

Radiation Report

# TPS7H3024-SP Total Ionizing Dose (TID) Report

---



ABSTRACT

This report discusses the total ionizing dose (TID) parametric results for TPS7H3024-SP, 3V to 14V, four-channel radiation-hardness-assured power-supply supervisor with watchdog. The study was done to determine the TID effects under high dose rate (HDR) and low dose rate (LDR) radiation up to 100krad(Si). The results show that all samples passed within the specified limits up to 100krad(Si).

---

Table of Contents

|                                             |    |
|---------------------------------------------|----|
| <b>1 Device Information</b>                 | 2  |
| 1.1 Product Description                     | 2  |
| 1.2 Device Details                          | 2  |
| <b>2 Total Dose Test Setup</b>              | 4  |
| 2.1 Test Overview                           | 4  |
| 2.2 Test Description and Facilities         | 4  |
| 2.3 Test Setup Details                      | 4  |
| 2.4 Test Configuration and Condition        | 5  |
| <b>3 TID Characterization Test Results</b>  | 6  |
| 3.1 TID Characterization Summary Results    | 6  |
| 3.2 Specification Compliance Matrix         | 7  |
| <b>4 Applicable and Reference Documents</b> | 12 |
| 4.1 Applicable Documents                    | 12 |
| 4.2 Reference Documents                     | 12 |
| <b>A Appendix: HDR TID Report Data</b>      | 12 |
| <b>B Appendix: LDR TID Report Data</b>      | 13 |
| <b>C Revision History</b>                   | 14 |

List of Figures

|                                               |   |
|-----------------------------------------------|---|
| Figure 1-1. TPS7H3024-SP Device               | 3 |
| Figure 2-1. Bias Diagram Used in TID Exposure | 4 |

List of Tables

|                                            |   |
|--------------------------------------------|---|
| Table 1-1. Device and Exposure Details     | 2 |
| Table 2-1. LDR Biased Device Information   | 5 |
| Table 2-2. LDR Unbiased Device Information | 5 |
| Table 2-3. HDR Biased Device Information   | 5 |
| Table 2-4. HDR Unbiased Device Information | 5 |

Trademarks

All trademarks are the property of their respective owners.

# 1 Device Information

## 1.1 Product Description

The TPS7H3024-SP is an integrated, 3V to 14V, four-channel radiation-hardness-assured power-supply supervisor with watchdog. An accurate 599mV  $\pm 1\%$  threshold voltage and a 24 $\mu$ A  $\pm 3\%$  hysteresis current provide programmable monitoring voltages. A programmable delay time is globally programmed through a single resistor. Additionally, a PWRGD output is provided to monitor the global power tree status. The device also incorporates a positive edge detection watchdog timer to monitor an external processor for coherent execution. External faults can be propagated to the system by using the SR\_UVLO input.

The TPS7H3024-SP is packaged in a 22-pin CFP (ceramic flat package) package. A standard microcircuit drawing (SMD) is available for the QML variant, 5962R2420601VXC.

## 1.2 Device Details

[Table 1-1](#) lists the device information used in this TID HDR characterization.

**Table 1-1. Device and Exposure Details**

| TID Exposure Details    |                                                            |
|-------------------------|------------------------------------------------------------|
| TI Device               | TPS7H3024-SP                                               |
| TI Part Name            | 5962R2420601VXC                                            |
| Package                 | 22-pin CFP<br>(HFT)                                        |
| Technology              | LBC7                                                       |
| Quantity Tested         | HDR: 50 Devices<br>LDR: 12 Devices                         |
| Lot Accept/Reject       | All levels tested and passed up to 100krad(Si)             |
| HDR Radiation Facility  | Texas Instruments, Dallas, TX                              |
| HDR Dose Level          | 3krad(Si), 10krad(Si), 30krad(Si), 50krad(Si), 100krad(Si) |
| HDR Dose Rate           | 163.7473 rads(Si)/s                                        |
| HDR Radiation Source    | Gammacell (Hopewell, GR420) Co-60                          |
| LDR Radiation Facility  | Radiation Test Solutions, Colorado Springs, Colorado       |
| LDR Dose Level          | 50krad(Si), 100krad(Si)                                    |
| LDR Dose Rate           | <10 milirad(Si)/s                                          |
| LDR Radiation Source    | Co-60 LDR Irradiation Source                               |
| Irradiation Temperature | Ambient room temperature                                   |



**Figure 1-1. TPS7H3024-SP Device**





## 2.4 Test Configuration and Condition

HDR and LDR devices were stressed up to 100krad(Si) for biased and unbiased conditions.

**Table 2-1. LDR Biased Device Information**

| Total Samples:<br>12 |                              |                              |
|----------------------|------------------------------|------------------------------|
| Exposure Levels      |                              |                              |
| Control              | 50krad(Si)                   | 100krad(Si)                  |
| 200, 201, 202        | 203, 204, 205, 206, 207, 208 | 203, 204, 205, 206, 207, 208 |

**Table 2-2. LDR Unbiased Device Information**

| Total Samples:<br>12 |                              |                              |
|----------------------|------------------------------|------------------------------|
| Exposure Levels      |                              |                              |
| Control              | 50krad(Si)                   | 100krad(Si)                  |
| 200, 201, 202        | 209, 210, 211, 212, 213, 214 | 209, 210, 211, 212, 213, 214 |

**Table 2-3. HDR Biased Device Information**

| Total Samples:<br>30 |                            |                            |                            |                            |                            |
|----------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Exposure Levels      |                            |                            |                            |                            |                            |
| Control              | 3krad(Si)                  | 10krad(Si)                 | 30krad(Si)                 | 50krad(Si)                 | 100krad(Si)                |
| 300, 301, 302        | 303, 304, 305, 306,<br>307 | 313, 314, 315, 316,<br>317 | 323, 324, 325, 326,<br>327 | 333, 334, 335, 336,<br>337 | 343, 344, 345, 346,<br>347 |

**Table 2-4. HDR Unbiased Device Information**

| Total Samples:<br>30 |                            |                            |                            |                            |                            |
|----------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Exposure Levels      |                            |                            |                            |                            |                            |
| Control              | 3krad(Si)                  | 10krad(Si)                 | 30krad(Si)                 | 50krad(Si)                 | 100krad(Si)                |
| 300, 301, 302        | 308, 309, 310, 311,<br>312 | 318, 319, 320, 321,<br>322 | 328, 329, 330, 331,<br>332 | 338, 339, 340, 341,<br>342 | 348, 349, 350, 351,<br>352 |

### 3 TID Characterization Test Results

#### 3.1 TID Characterization Summary Results

The parametric data for the TPS7H3024-SP passes up to 100krad(Si) HDR and LDR TID irradiation. The drifts of the electrical parameters through HDR and LDR were within the datasheet limits.

Overall, the TPS7H3024-SP showed a strong degree of hardness to HDR and LDR TID irradiation up to 100krad(Si) for both biased and unbiased exposure conditions. The measurements taken post-irradiation for each sample set showed a marginal shift for most parameters at each dose level for both biased and unbiased. The parameters that did show a greater degree of change between pre- and post-irradiation were still within the electrical performance characteristics specified in the data sheet electrical parameters. See [TPS7H3024-SP Radiation-Hardness-Assured, 14-V, 4-Channel Supervisor with watchdog](#) datasheet for the datasheet electrical parameters and associated tests.

See [Appendix A](#) for HDR report up to 100krad(Si) and [Appendix B](#) for LDR report up to 100krad(Si).

## 3.2 Specification Compliance Matrix

### 3.2.1 Electrical Characteristics

| Parameter                                            | Test Conditions                                                                            | Sub-Group | MIN   | TYP   | MAX   | UNIT              | Test Number                                                                                                                                                                                                           |
|------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------|-------|-------|-------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SUPPLY VOLTAGES AND CURRENTS                         |                                                                                            |           |       |       |       |                   |                                                                                                                                                                                                                       |
| V <sub>IN</sub> quiescent current                    | RESETx = Low and High, V <sub>SR_UVLO</sub> > V <sub>TH_SR_UVLO_RISING</sub> (MAX)         | 1, 2, 3   |       | 1.5   | 2.5   | mA                | 6.4, 6.5, 6.6, 6.7                                                                                                                                                                                                    |
| V <sub>IN</sub> shutdown current                     | V <sub>SR_UVLO</sub> = 0                                                                   | 1, 2, 3   |       | 1.5   | 2.1   |                   | 6.0 and 6.1                                                                                                                                                                                                           |
| V <sub>IN</sub> rising undervoltage lockout          |                                                                                            | 1, 2, 3   | 2.73  | 2.8   | 2.88  | V                 | 6.137                                                                                                                                                                                                                 |
| V <sub>IN</sub> falling undervoltage lockout         |                                                                                            | 1, 2, 3   | 2.58  | 2.65  | 2.72  |                   | 6.138                                                                                                                                                                                                                 |
| Internal linear regulator output voltage             | 4V ≤ V <sub>IN</sub> ≤ 14V                                                                 | 1, 2, 3   | 3.23  | 3.29  | 3.37  | V                 | 6.9 and 6.10                                                                                                                                                                                                          |
|                                                      | V <sub>IN</sub> < 3V                                                                       | 1, 2, 3   | 98%   | 99%   |       | × V <sub>IN</sub> | 6.8                                                                                                                                                                                                                   |
| VLDO maximum current for out of regulation operation | 3.65V ≤ VIN ≤ 14V, VLDO= 98.5% x VLDO <sub>(NOM)</sub>                                     | 1, 2, 3   |       |       | 5     | mA                | 6.11, 6.12                                                                                                                                                                                                            |
| Internal bandgap voltage                             |                                                                                            | 1, 2, 3   | 1.188 | 1.2   | 1.212 | V                 | 6.13 and 6.14                                                                                                                                                                                                         |
| IN power on reset voltage                            | 1.6V ≤ V <sub>PULL_UPx</sub> ≤ 7V, V <sub>OL</sub> ≤ 320mV with I <sub>RESETx</sub> = −1mA | 1, 2, 3   |       | 1.42  | 2     |                   | 6.139, 6.140, 6.141, 6.142, 6.143, 6.144, 6.145, 6.146, 6.147, 6.148                                                                                                                                                  |
| PULL_UPx power on reset voltage                      | V <sub>IN</sub> = 0V, V <sub>OL</sub> ≤ 320mV with I <sub>RESETx</sub> = −100μA            | 1, 2, 3   |       | 0.85  | 1.1   |                   | 6.149, 6.150, 6.151, 6.152, 6.153                                                                                                                                                                                     |
| V <sub>HYS</sub>                                     | R <sub>HYS</sub> = 49.9kΩ                                                                  | 1, 2, 3   | 1.164 | 1.2   | 1.236 |                   | 6.155                                                                                                                                                                                                                 |
| SENSE1 TO SENSE4, UP AND DOWN COMPARATOR INPUTS      |                                                                                            |           |       |       |       |                   |                                                                                                                                                                                                                       |
| Threshold voltage at SENSEx                          |                                                                                            | 1, 2, 3   | 593.1 | 599.7 | 604.9 | mV                | 13.1, 13.2, 13.3, 13.4, 13.5, 13.6, 13.7, 13.8, 13.9, 13.10, 13.11, 13.12, 13.13, 13.14, 13.15, 13.16, 13.17, 13.18, 13.19, 13.20, 13.21, 13.22, 13.23, 13.24, 13.25, 13.26, 13.27, 13.28, 13.29, 13.30, 13.31, 13.32 |
| SENSEx hysteresis current                            | V <sub>SENSEX</sub> = 700mV                                                                | 1, 2, 3   | 23.28 | 24    | 24.72 | μA                | 6.25, 6.26, 6.27, 6.28, 6.29, 6.30, 6.31, 6.32                                                                                                                                                                        |
| Input leakage current at SENSEx                      | V <sub>SENSEX</sub> = 500mV                                                                | 1, 2, 3   |       | 1     | 100   | nA                | 6.17, 6.18, 6.19, 6.20, 6.21, 6.22, 6.23, 6.24                                                                                                                                                                        |
| Rising threshold voltage at SR_SVLO                  |                                                                                            | 1, 2, 3   | 580   | 602   | 618   | mV                | 13.33, 13.36, 13.39, 13.42                                                                                                                                                                                            |
| Falling threshold voltage at SR_SVLO                 |                                                                                            | 1, 2, 3   | 475   | 499   | 517   |                   | 13.34, 13.37, 13.40, 13.43                                                                                                                                                                                            |
| Input leakage current at SR_SVLO                     | V <sub>SR_UVLO</sub> = 7V                                                                  | 1, 2, 3   |       | 2     | 100   | nA                | 6.15 and 6.16                                                                                                                                                                                                         |
| Rising threshold voltage at WDI                      |                                                                                            | 1, 2, 3   | 578   | 602   | 624   | mV                | 13.45                                                                                                                                                                                                                 |
| Falling threshold voltage at WDI                     |                                                                                            | 1, 2, 3   | 473   | 498   | 521   | mV                | 13.46                                                                                                                                                                                                                 |
| Input leakage current at WDI                         | V <sub>WDI</sub> = 7V                                                                      | 1, 2, 3   |       | 1.4   | 100   | nA                | 6.37 and 6.38                                                                                                                                                                                                         |
| Rising threshold voltage at MODE                     |                                                                                            | 1, 2, 3   | 576   | 600   | 623   | mV                | 13.48                                                                                                                                                                                                                 |
| Falling threshold voltage at MODE                    |                                                                                            | 1, 2, 3   | 475   | 498   | 520   | mV                | 13.49                                                                                                                                                                                                                 |
| Input leakage current at MODE                        | V <sub>MODE</sub> = 7V                                                                     | 1, 2, 3   |       | 1     | 100   | nA                | 6.39 and 6.40                                                                                                                                                                                                         |
| RESET1 TO RESET4, PWRGD AND WDO PUSH PULL OUTPUTS    |                                                                                            |           |       |       |       |                   |                                                                                                                                                                                                                       |
| PULL_UPx leakage current                             | V <sub>PULL_UPx</sub> = 7V, RESETx = LOW                                                   | 1, 2, 3   |       | 48    | 100   | μA                | 6.33, 6.34, 6.35, 6.36                                                                                                                                                                                                |

### 3.2.1 Electrical Characteristics (continued)

| Parameter                                            | Test Conditions                          | Sub-Group                        | MIN     | TYP | MAX | UNIT                     | Test Number                                                                                                                   |
|------------------------------------------------------|------------------------------------------|----------------------------------|---------|-----|-----|--------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Low-level $\overline{\text{RESETx}}$ output voltage  | $1.6V \leq V_{\text{PULL\_UP1}} \leq 7V$ | $I_{\text{LOAD}} = -2\text{mA}$  | 1, 2, 3 |     | 5%  | x $V_{\text{PULL\_UP1}}$ | 6.65, 6.66, 6.67,<br>6.68, 6.71, 6.72,<br>6.73, 6.74, 6.77,<br>6.78, 6.79, 6.80,<br>6.83, 6.84, 6.85,<br>6.86                 |
|                                                      |                                          | $I_{\text{LOAD}} = -10\text{mA}$ | 1, 2, 3 |     | 23% |                          | 6.113, 6.114, 6.115,<br>6.116, 6.119, 6.120,<br>6.121, 6.122, 6.125,<br>6.126, 6.127, 6.128,<br>6.131, 6.132, 6.133,<br>6.134 |
| High-level $\overline{\text{RESETx}}$ output voltage | $1.6V \leq V_{\text{PULL\_UP1}} \leq 7V$ | $I_{\text{LOAD}} = 2\text{mA}$   | 1, 2, 3 | 95% |     |                          | 6.41, 6.42, 6.43,<br>6.44, 6.47, 6.48,<br>6.49, 6.50, 6.53,<br>6.54, 6.55, 6.56,<br>6.59, 6.60, 6.61,<br>6.62                 |
|                                                      |                                          | $I_{\text{LOAD}} = 10\text{mA}$  | 1, 2, 3 | 75% |     |                          | 6.89, 6.90, 6.91,<br>6.92, 6.95, 6.96,<br>6.97, 6.98, 6.101,<br>6.102, 6.103, 6.104,<br>6.107, 6.108, 6.109,<br>6.110         |
| Low-level PWRGD output voltage                       | $1.6V \leq V_{\text{PULL\_UP2}} \leq 7V$ | $I_{\text{LOAD}} = -2\text{mA}$  | 1, 2, 3 |     | 5%  | x $V_{\text{PULL\_UP2}}$ | 6.70, 6.76, 6.82,<br>6.88                                                                                                     |
|                                                      |                                          | $I_{\text{LOAD}} = -10\text{mA}$ | 1, 2, 3 |     | 23% |                          | 6.118, 6.124, 6.130,<br>6.136                                                                                                 |
| High-level PWRGD output voltage                      | $1.6V \leq V_{\text{PULL\_UP2}} \leq 7V$ | $I_{\text{LOAD}} = 2\text{mA}$   | 1, 2, 3 | 95% |     |                          | 6.46, 6.52, 6.58,<br>6.64                                                                                                     |
|                                                      |                                          | $I_{\text{LOAD}} = 10\text{mA}$  | 1, 2, 3 | 75% |     |                          | 6.94, 6.100, 6.106,<br>6.112                                                                                                  |
| Low-level $\overline{\text{WDO}}$ output voltage     | $1.6V \leq V_{\text{PULL\_UP2}} \leq 7V$ | $I_{\text{LOAD}} = -2\text{mA}$  | 1, 2, 3 |     | 5%  |                          | 6.69, 6.75, 6.81,<br>6.87                                                                                                     |
|                                                      |                                          | $I_{\text{LOAD}} = -10\text{mA}$ | 1, 2, 3 |     | 23% |                          | 6.117, 6.123, 6.129,<br>6.135                                                                                                 |
| High-level $\overline{\text{WDO}}$ output voltage    | $1.6V \leq V_{\text{PULL\_UP2}} \leq 7V$ | $I_{\text{LOAD}} = 2\text{mA}$   | 1, 2, 3 | 95% |     |                          | 6.45, 6.51, 6.57,<br>6.63                                                                                                     |
|                                                      |                                          | $I_{\text{LOAD}} = 10\text{mA}$  | 1, 2, 3 | 75% |     |                          | 6.93, 6.99, 6.105,<br>6.111                                                                                                   |

### 3.2.1 Electrical Characteristics (continued)

| Parameter                               | Test Conditions                                                                   |                                     | Sub-Group | MIN | TYP | MAX | UNIT       | Test Number                                                                                                                   |
|-----------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------|-----------|-----|-----|-----|------------|-------------------------------------------------------------------------------------------------------------------------------|
| RESETx rising output voltage slew rate  | 10% to 90% of $V_{PULL\_UP1}$ ,<br>$R_{LOAD} = 50k\Omega$ ,<br>$C_{LOAD} = 100pF$ | $1.6V \leq V_{PULL\_UP1} \leq 7V$   | 9, 10, 11 | 17  | 298 |     | V/ $\mu s$ | 19.0, 19.1, 19.2,<br>19.3, 19.12, 19.13,<br>19.14, 19.15, 19.24,<br>19.25, 19.26, 19.27,<br>19.36, 19.37, 19.38,<br>19.39     |
| PWRGD rising output voltage slew rate   |                                                                                   |                                     | 9, 10, 11 | 17  | 298 |     |            | 19.4, 19.16, 19.28,<br>19.40                                                                                                  |
| WD0 rising output voltage slew rate     |                                                                                   |                                     | 9, 10, 11 | 17  | 298 |     |            | 19.5, 19.17, 19.29,<br>19.41                                                                                                  |
| RESETx falling output voltage slew rate | 90% to 10% of $V_{PULL\_UP1}$ ,<br>$R_{LOAD} = 50k\Omega$ ,<br>$C_{LOAD} = 100pF$ | $1.6V \leq V_{PULL\_UP1} \leq 7V$   | 9, 10, 11 | 44  | 186 |     |            | 19.6, 19.7, 19.8,<br>19.9, 19.18, 19.19,<br>19.20, 19.21, 19.30,<br>19.31, 19.32, 19.33,<br>19.42, 19.43, 19.44,<br>19.45     |
| PWRGD falling output voltage slew rate  |                                                                                   |                                     | 9, 10, 11 | 44  | 186 |     |            | 19.10, 19.22, 19.34,<br>19.46                                                                                                 |
| WD0 falling output voltage slew rate    |                                                                                   |                                     | 9, 10, 11 | 44  | 186 |     |            | 19.11, 19.23, 19.35,<br>19.47                                                                                                 |
| RESET PMOS source output resistance     | $I_{LOAD} = 2mA$                                                                  | $1.6V \leq V_{PULL\_UP1} \leq 3.3V$ | 1, 2, 3   |     | 20  | 40  | $\Omega$   | 18.0, 18.1, 18.2,<br>18.3, 18.6, 18.7,<br>18.8, 18.9                                                                          |
|                                         |                                                                                   | $3.3V \leq V_{PULL\_UP1} \leq 7V$   | 1, 2, 3   |     | 9   | 20  |            | 18.12, 18.13, 18.14,<br>18.15, 18.18, 18.19,<br>18.20, 18.21                                                                  |
| PWRGD PMOS source output resistance     | $I_{LOAD} = 2mA$                                                                  | $1.6V \leq V_{PULL\_UP2} \leq 3.3V$ | 1, 2, 3   |     | 20  | 40  |            | 18.4, 18.10                                                                                                                   |
|                                         |                                                                                   | $3.3V \leq V_{PULL\_UP2} \leq 7V$   | 1, 2, 3   |     | 9   | 20  |            | 18.16, 18.22                                                                                                                  |
| WD0 PMOS source output resistance       | $I_{LOAD} = 2mA$                                                                  | $1.6V \leq V_{PULL\_UP2} \leq 3.3V$ | 1, 2, 3   |     | 20  | 40  |            | 18.5, 18.11                                                                                                                   |
|                                         |                                                                                   | $3.3V \leq V_{PULL\_UP2} \leq 7V$   | 1, 2, 3   |     | 9   | 20  |            | 18.17, 18.23                                                                                                                  |
| RESET NMOS sink output resistance       | $I_{LOAD} = -2mA$ , $1.6V \leq V_{PULL\_UP1} \leq 7V$                             |                                     | 1, 2, 3   |     | 16  | 36  |            | 18.24, 18.25, 18.26,<br>18.27, 18.30, 18.31,<br>18.32, 18.33, 18.36,<br>18.37, 18.38, 18.39,<br>18.42, 18.43, 18.44,<br>18.45 |
| PWRGD NMOS sink output resistance       | $I_{LOAD} = -2mA$ , $1.6V \leq V_{PULL\_UP1} \leq 7V$                             |                                     | 1, 2, 3   |     | 16  | 36  |            | 18.28, 18.34, 18.40,<br>18.46                                                                                                 |
| WD0 NMOS sink output resistance         | $I_{LOAD} = -2mA$ , $1.6V \leq V_{PULL\_UP1} \leq 7V$                             |                                     | 1, 2, 3   |     | 16  | 36  |            | 18.29, 18.35, 18.41,<br>18.47                                                                                                 |

### 3.2.1 Electrical Characteristics (continued)

| Parameter                          | Test Conditions               | Sub-Group | MIN  | TYP  | MAX  | UNIT | Test Number                                                                                                            |
|------------------------------------|-------------------------------|-----------|------|------|------|------|------------------------------------------------------------------------------------------------------------------------|
| THERMAL PROTECTION                 |                               |           |      |      |      |      |                                                                                                                        |
| Thermal shutdown enter temperature |                               |           |      | 185  |      | °C   |                                                                                                                        |
| Thermal shutdown exit temperature  |                               |           |      | 171  |      |      |                                                                                                                        |
| DELAY AND WATCHDOG TIMERS          |                               |           |      |      |      |      |                                                                                                                        |
| Delay time                         | R <sub>DLY_TMR</sub> = 10.5kΩ | 1, 2, 3   | 0.22 | 0.26 | 0.33 | ms   | 5.20, 5.21, 5.23, 5.24, 5.25, 5.38, 5.39, 5.41, 5.42, 5.43, 5.56, 5.57, 5.59, 5.60, 5.61, 5.74, 5.75, 5.77, 5.78, 5.79 |
|                                    | R <sub>DLY_TMR</sub> = 619kΩ  | 1, 2, 3   | 11.3 | 12.5 | 13.7 |      | 5.26, 5.27, 5.29, 5.30, 5.31, 5.44, 5.45, 5.47, 5.48, 5.49, 5.62, 5.63, 5.65, 5.66, 5.67, 5.80, 5.81, 5.83, 5.84, 5.85 |
|                                    | R <sub>DLY_TMR</sub> = 1.18MΩ | 1, 2, 3   | 21.3 | 23.7 | 26.2 |      | 5.32, 5.33, 5.35, 5.36, 5.37, 5.50, 5.51, 5.53, 5.54, 5.55, 5.68, 5.69, 5.71, 5.72, 5.73, 5.86, 5.87, 5.89, 5.90, 5.91 |
| Watchdog time-out                  | R <sub>WD_TMR</sub> = 56.2kΩ  | 1, 2, 3   | 0.43 | 0.52 | 0.57 | s    | 5.22, 5.40, 5.58, 5.76                                                                                                 |
|                                    | R <sub>WD_TMR</sub> = 118kΩ   | 1, 2, 3   | 0.8  | 1    | 1.2  |      | 5.28, 5.46, 5.64, 5.82                                                                                                 |
|                                    | R <sub>WD_TMR</sub> = 174kΩ   | 1, 2, 3   | 1.34 | 1.5  | 1.7  |      | 5.34, 5.52, 5.70, 5.88                                                                                                 |



### 3.2.2 Timing Requirements

| Parameter                                   | Test Conditions                                                                                                                |                                                   | Sub-Group | MIN | TYP  | MAX | UNIT                 | Test Number                                                                                              |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-----------|-----|------|-----|----------------------|----------------------------------------------------------------------------------------------------------|
| Start-up delay time                         | $V_{REFCAP} \geq 1.1V$                                                                                                         |                                                   | 1, 2, 3   |     | 0.3  | 2.8 | ms                   | 6.154                                                                                                    |
| RESET propagation delay                     | DLY_TMR = Open,<br>$V_{OVERDRIVE} = 10mV$ ,<br>$SR_{SENSEX} = 27V/\mu s$ ,<br>from 50% of SENSEx to 50% of RESETx              |                                                   | 1, 2, 3   |     | 0.62 | 4.3 | $\mu s$              | 5.0, 5.1, 5.3,<br>5.4, 5.5, 5.6,<br>5.8, 5.9,<br>5.10, 5.11,<br>5.13, 5.14,<br>5.15, 5.16,<br>5.18, 5.19 |
| PWRGD propagation delay                     | DLY_TMR = Open,<br>$V_{OVERDRIVE} = 10mV$ ,<br>$SR_{SENSEX} = 27V/\mu s$ ,<br>from 50% of $V_{SENSEX}$ to 50% of $V_{PWRGD}$   |                                                   | 1, 2, 3   |     | 0.51 | 4.3 | $\mu s$              | 5.2, 5.7,<br>5.12, 5.17                                                                                  |
| SR_UVLO propagation delay                   | $V_{SR\_FAULT}$ = Falling from 1V to 0V in 10ns,<br>$V_{SENSEX} = 610mV$ , from 50% of $V_{SR\_UVLO}$ to<br>50% of $V_{PWRGD}$ |                                                   | 1, 2, 3   |     | 0.92 | 2   | $\mu s$              | 5.104, 5.105,<br>5.106, 5.107,<br>5.108, 5.109,<br>5.110, 5.111                                          |
| WDI propagation delay                       | $V_{WDI}$ = Rising from<br>0V to 1V in 10ns,<br>$V_{SENSEX} = 610mV$ ,<br>from 50% of $V_{WDI}$ to<br>50% of $V_{WDO}$         | $t_{WD\_TMR} = 0.5s$                              | 1, 2, 3   |     | 23   | 40  | $\mu s$              |                                                                                                          |
|                                             |                                                                                                                                | $t_{WD\_TMR} = 1s$                                |           |     | 47   | 80  |                      |                                                                                                          |
|                                             |                                                                                                                                | $t_{WD\_TMR} = 1.5s$                              |           |     | 68   | 116 |                      |                                                                                                          |
| WDI minimum pulse width                     |                                                                                                                                |                                                   | 4, 5, 6   | 2   |      |     | $\times t_{WD\_OSC}$ | 25.11, 25.12,<br>25.13, 25.14,<br>25.15, 25.16                                                           |
| SR_UVLO minimum pulse width for valid reset |                                                                                                                                |                                                   | 4, 5, 6   |     | 0.61 | 1.1 | $\mu s$              | 25.1, 25.2                                                                                               |
| VSENSEX hold time for valid fault detection |                                                                                                                                | $C_{LOAD} = 100pF$ ,<br>$V_{OVERDRIVE} =  100mV $ | 4, 5, 6   |     | 0.56 | 2.2 | $\mu s$              | 25.3, 25.4,<br>25.5, 25.6,<br>25.7, 25.8,<br>25.9, 25.10                                                 |
| Rising threshold on VSENSEX hold time       |                                                                                                                                |                                                   | 4, 5, 6   |     |      | 3.7 | $\mu s$              |                                                                                                          |

## 4 Applicable and Reference Documents

### 4.1 Applicable Documents

- Texas Instruments, [TPS7H3024-SP Radiation-Hardness-Assured, 14-V, 4-Channel Supervisor with Watchdog](#), datasheet.
- Texas Instruments, [TPS7H3024EVM-CVAL Evaluation Module User's Guide](#), user's guide.

### 4.2 Reference Documents

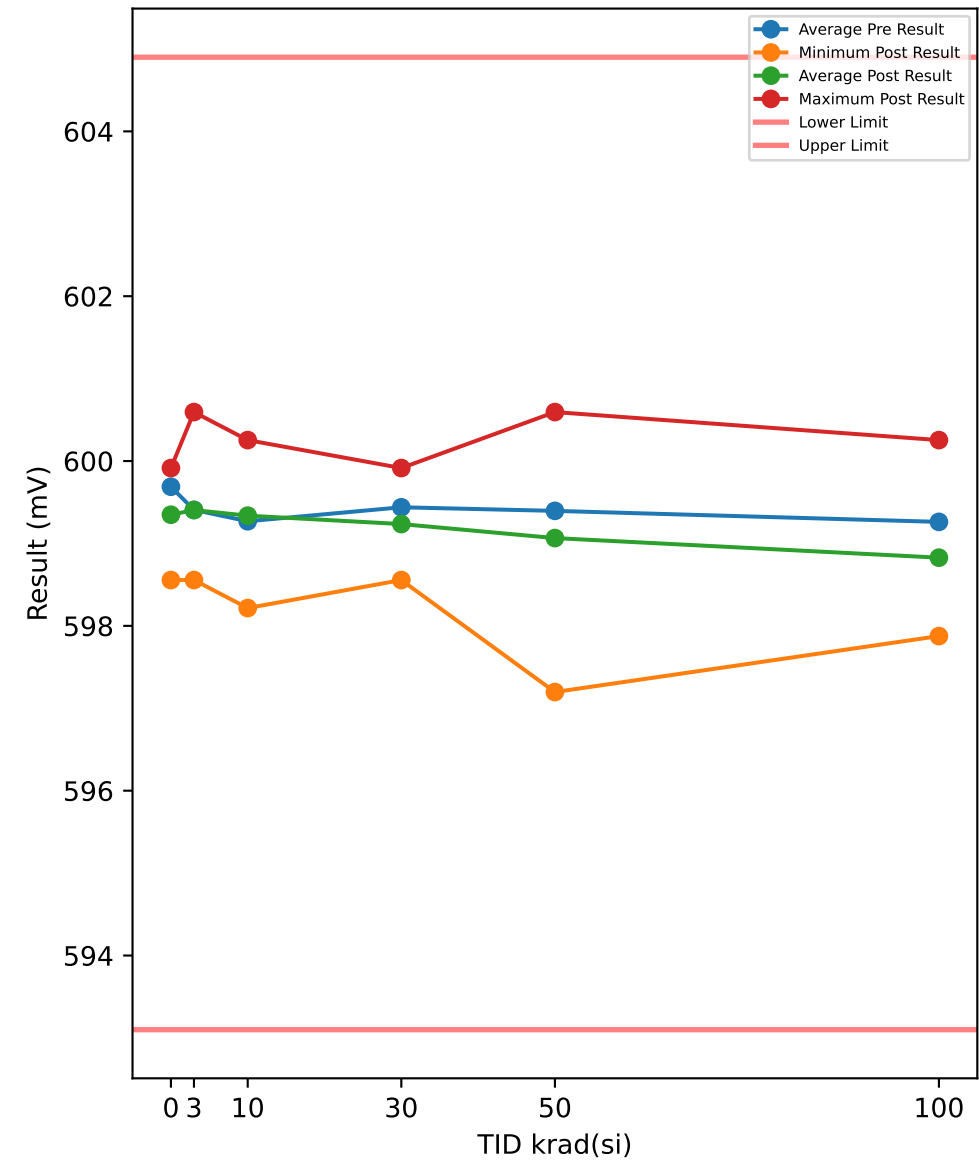
Texas Instruments total ionizing dose radiation (total dose) test procedure follows the standards put forth in MIL-STD-883 TM 1019. The document can be found at the DLA website.

## A Appendix: HDR TID Report Data

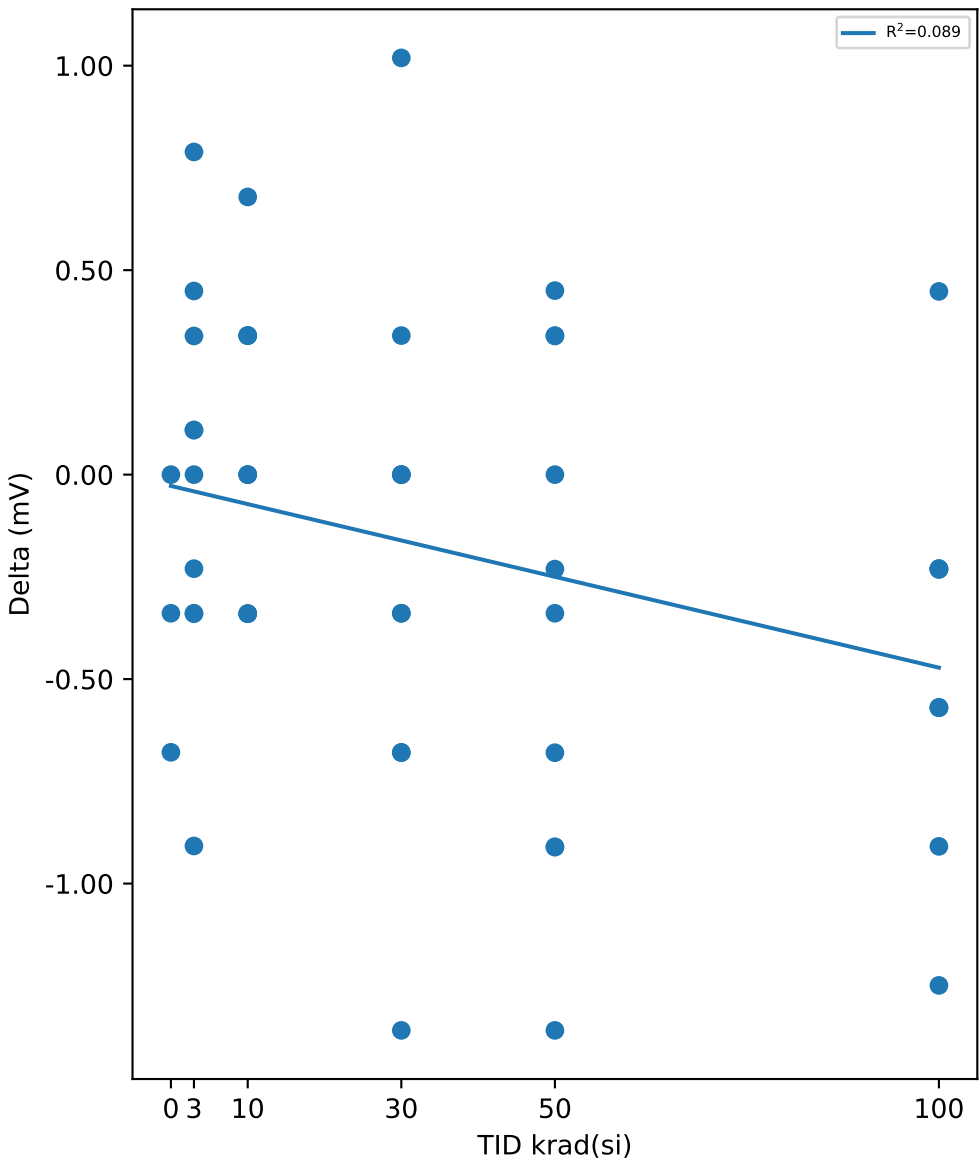
This appendix contains the HDR TID report data.

Device Test: 13.1 ; VTH\_SENSE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

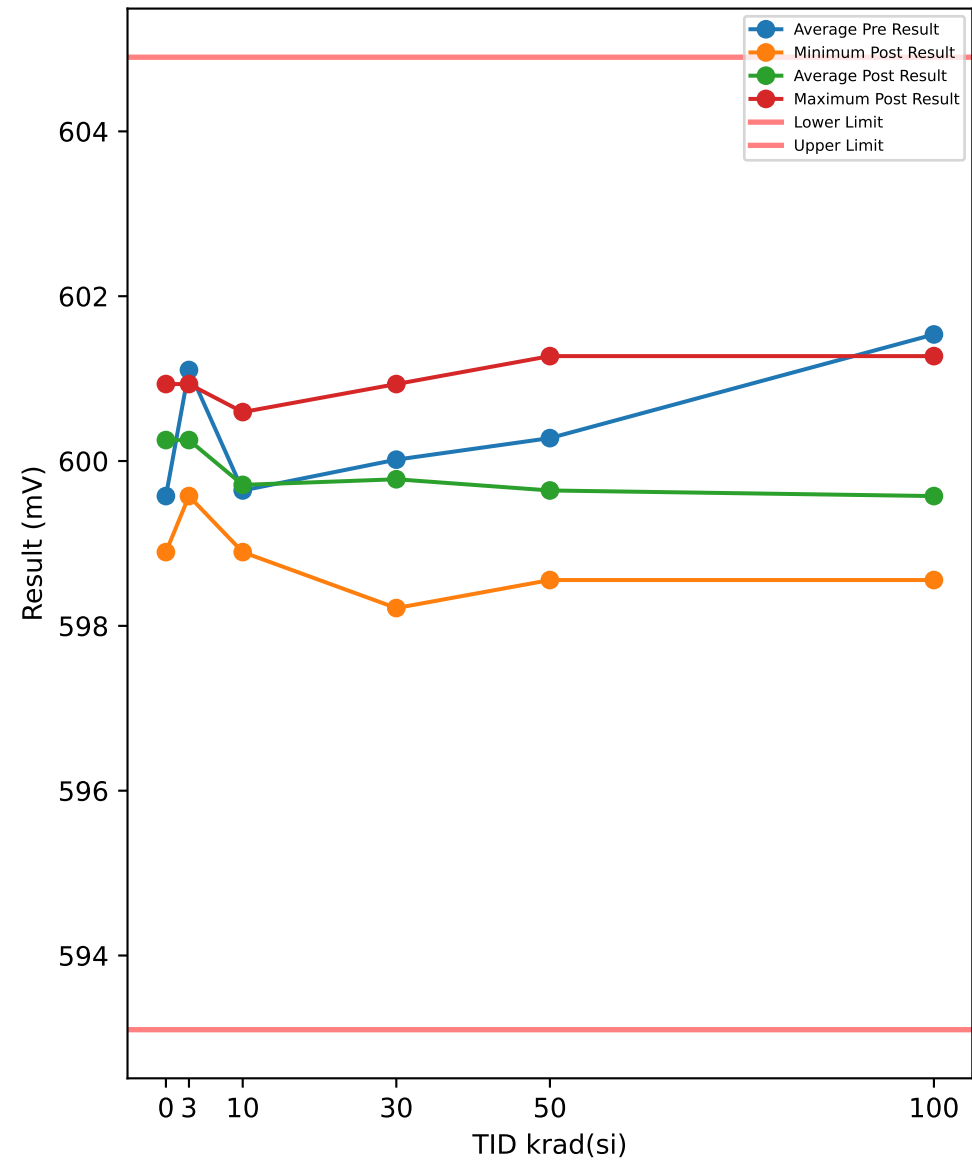
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 600.59     | 599.91      | -0.679 |
| 301      | 0        | Correlation         | 599.58     | 599.58      | 0      |
| 302      | 0        | Correlation         | 598.89     | 598.56      | -0.339 |
| 303      | 3        | Bias                | 598.79     | 598.89      | 0.109  |
| 304      | 3        | Bias                | 599.8      | 600.25      | 0.449  |
| 305      | 3        | Bias                | 599.8      | 599.58      | -0.23  |
| 306      | 3        | Bias                | 600.82     | 599.91      | -0.908 |
| 307      | 3        | Bias                | 598.45     | 598.56      | 0.109  |
| 308      | 3        | Unbiased            | 599.8      | 600.59      | 0.789  |
| 309      | 3        | Unbiased            | 598.89     | 598.56      | -0.339 |
| 310      | 3        | Unbiased            | 599.58     | 599.58      | 0      |
| 311      | 3        | Unbiased            | 599.58     | 599.24      | -0.34  |
| 312      | 3        | Unbiased            | 598.56     | 598.89      | 0.339  |
| 313      | 10       | Bias                | 599.58     | 599.24      | -0.34  |
| 314      | 10       | Bias                | 598.22     | 598.56      | 0.34   |
| 315      | 10       | Bias                | 599.91     | 599.58      | -0.34  |
| 316      | 10       | Bias                | 599.24     | 599.58      | 0.34   |
| 317      | 10       | Bias                | 599.24     | 598.89      | -0.34  |
| 318      | 10       | Unbiased            | 599.58     | 600.25      | 0.679  |
| 319      | 10       | Unbiased            | 598.22     | 598.22      | 0      |
| 320      | 10       | Unbiased            | 599.24     | 599.24      | 0      |
| 321      | 10       | Unbiased            | 599.91     | 599.91      | 0      |
| 322      | 10       | Unbiased            | 599.58     | 599.91      | 0.34   |
| 323      | 30       | Bias                | 599.58     | 598.89      | -0.68  |
| 324      | 30       | Bias                | 598.89     | 598.89      | 0      |
| 325      | 30       | Bias                | 600.25     | 599.58      | -0.679 |
| 326      | 30       | Bias                | 599.24     | 599.24      | 0      |
| 327      | 30       | Bias                | 599.24     | 599.24      | 0      |
| 328      | 30       | Unbiased            | 600.59     | 599.24      | -1.359 |
| 329      | 30       | Unbiased            | 598.22     | 599.24      | 1.019  |
| 330      | 30       | Unbiased            | 600.25     | 599.91      | -0.339 |
| 331      | 30       | Unbiased            | 599.24     | 599.58      | 0.34   |
| 332      | 30       | Unbiased            | 598.89     | 598.56      | -0.339 |
| 333      | 50       | Bias                | 599.58     | 599.58      | 0      |
| 334      | 50       | Bias                | 598.89     | 599.24      | 0.34   |
| 335      | 50       | Bias                | 598.56     | 598.89      | 0.339  |
| 336      | 50       | Bias                | 599.58     | 598.89      | -0.68  |
| 337      | 50       | Bias                | 599.91     | 598.56      | -1.359 |
| 338      | 50       | Unbiased            | 600.25     | 599.91      | -0.339 |
| 339      | 50       | Unbiased            | 599.8      | 598.89      | -0.91  |
| 340      | 50       | Unbiased            | 599.13     | 598.89      | -0.231 |
| 341      | 50       | Unbiased            | 598.11     | 597.2       | -0.911 |
| 342      | 50       | Unbiased            | 600.14     | 600.59      | 0.45   |
| 343      | 100      | Bias                | 599.8      | 598.56      | -1.249 |
| 344      | 100      | Bias                | 597.77     | 598.22      | 0.448  |
| 345      | 100      | Bias                | 598.79     | 598.56      | -0.23  |
| 346      | 100      | Bias                | 599.47     | 598.56      | -0.909 |
| 347      | 100      | Bias                | 600.48     | 600.25      | -0.23  |
| 348      | 100      | Unbiased            | 599.8      | 599.24      | -0.57  |
| 349      | 100      | Unbiased            | 598.11     | 597.88      | -0.232 |
| 350      | 100      | Unbiased            | 600.48     | 599.91      | -0.569 |
| 351      | 100      | Unbiased            | 598.45     | 598.22      | -0.231 |
| 352      | 100      | Unbiased            | 599.47     | 598.89      | -0.57  |

Test Statistics (mV)

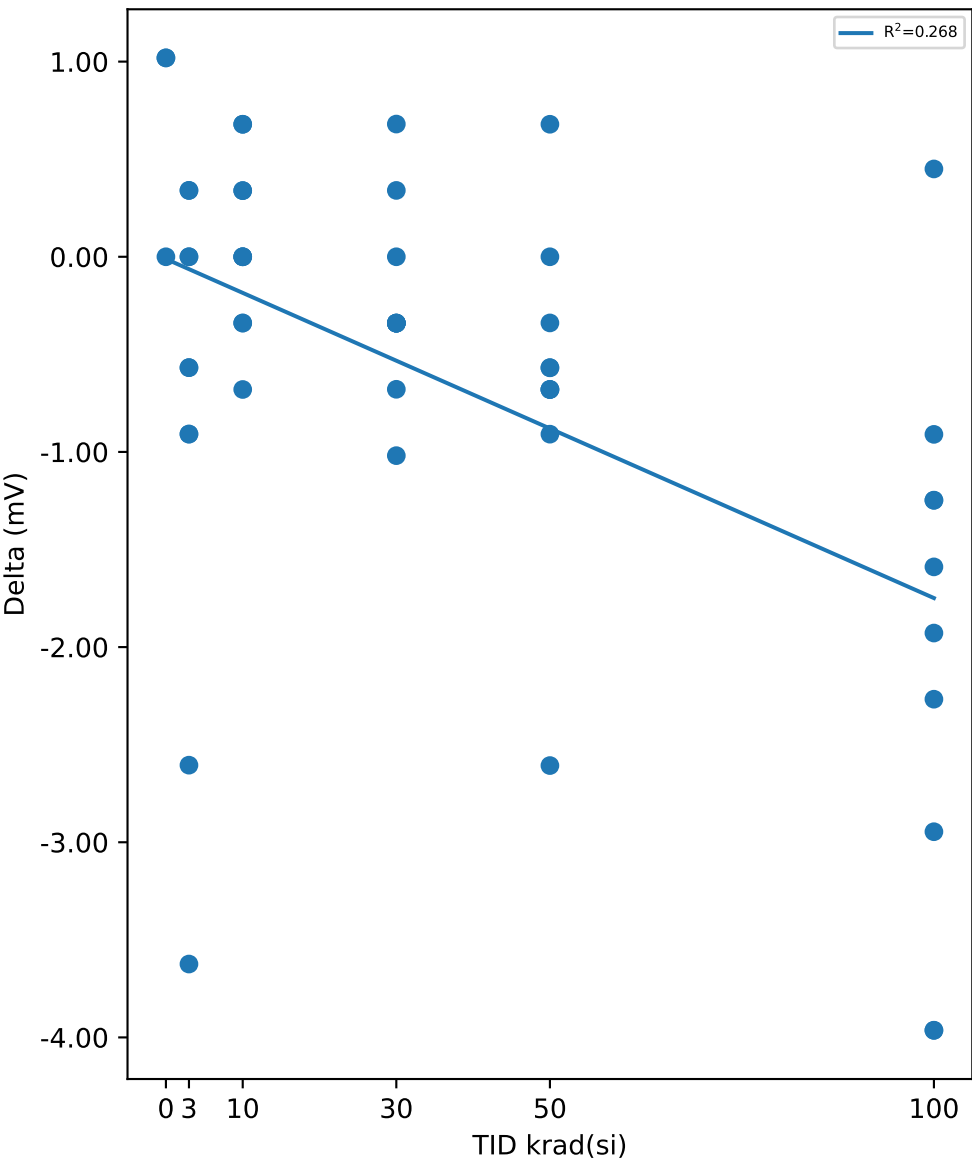
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 598.89           | 599.69           | 600.59           | 0.85512          | 598.56            | 599.35            | 599.91            | 0.70721           | -0.679    | -0.33933  | 0         | 0.3395    |
| 3        | 598.45           | 599.41           | 600.82           | 0.7326           | 598.56            | 599.4             | 600.59            | 0.70262           | -0.908    | -0.0022   | 0.789     | 0.47966   |
| 10       | 598.22           | 599.27           | 599.91           | 0.60888          | 598.22            | 599.34            | 600.25            | 0.64162           | -0.34     | 0.0679    | 0.679     | 0.35096   |
| 30       | 598.22           | 599.44           | 600.59           | 0.73737          | 598.56            | 599.24            | 599.91            | 0.39241           | -1.359    | -0.2037   | 1.019     | 0.64457   |
| 50       | 598.11           | 599.4            | 600.25           | 0.70591          | 597.2             | 599.07            | 600.59            | 0.89526           | -1.359    | -0.3301   | 0.45      | 0.62173   |
| 100      | 597.77           | 599.26           | 600.48           | 0.94946          | 597.88            | 598.83            | 600.25            | 0.76467           | -1.249    | -0.4342   | 0.448     | 0.45804   |

Device Test: 13.10 ; VTH\_SENSE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



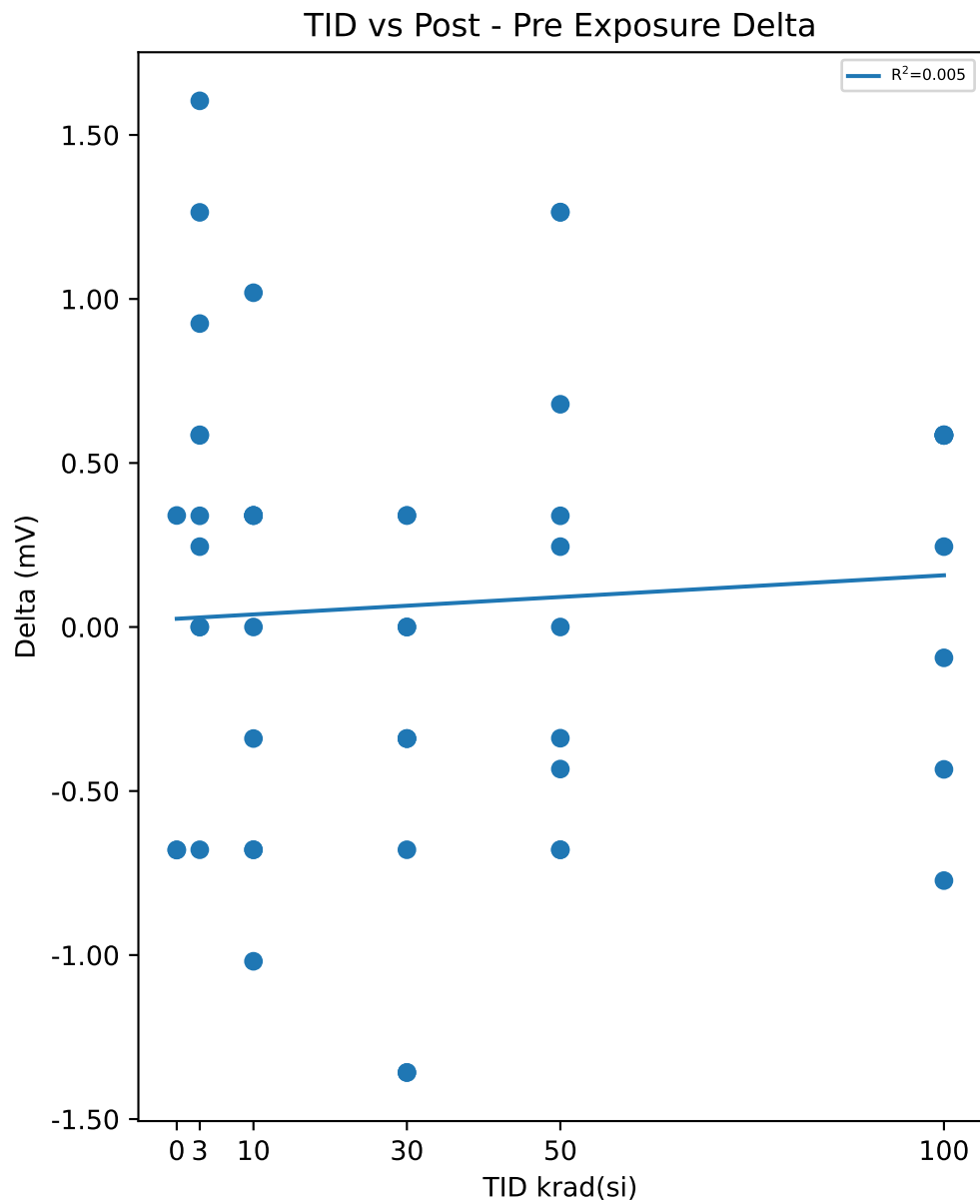
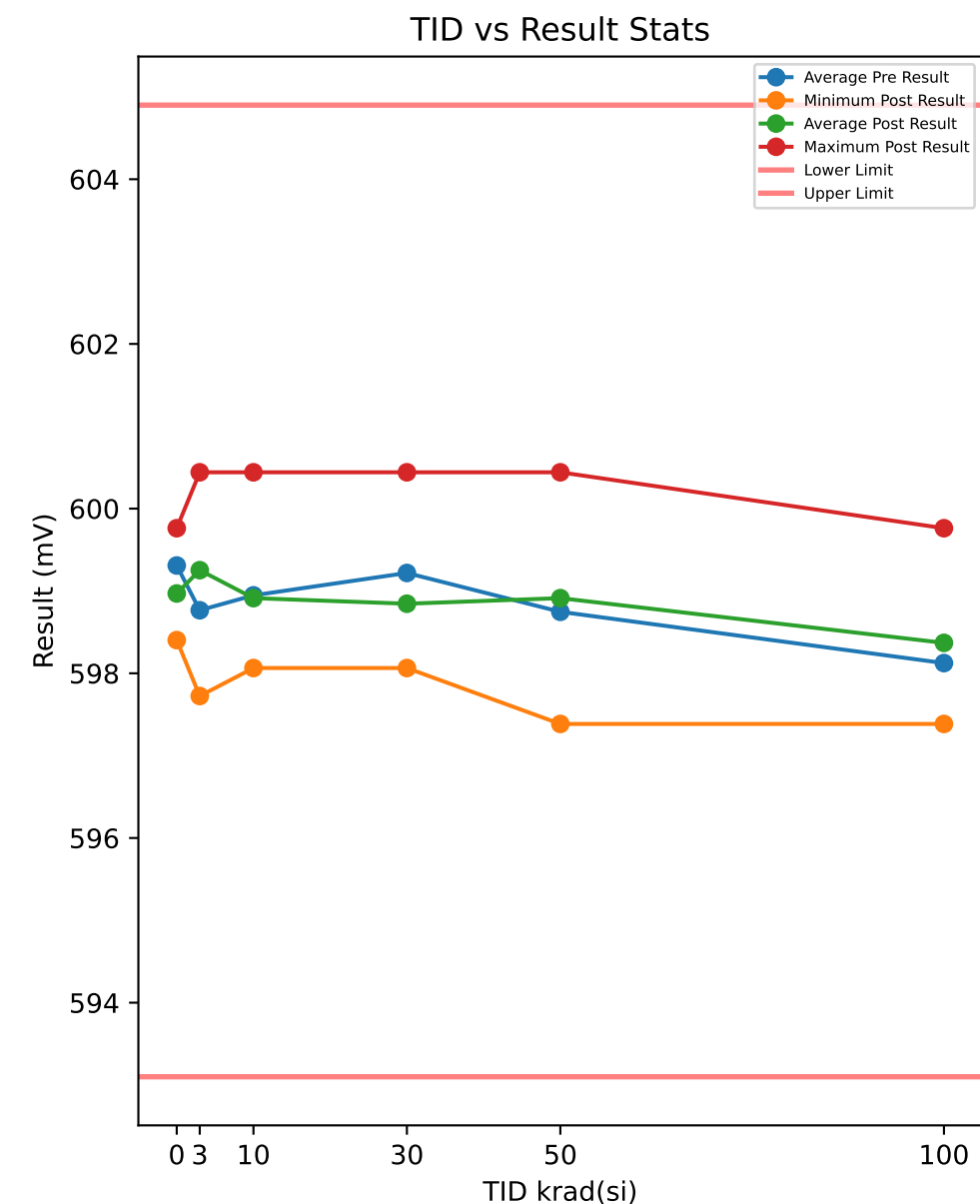
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 599.91     | 600.93      | 1.019  |
| 301      | 0        | Correlation         | 599.91     | 600.93      | 1.019  |
| 302      | 0        | Correlation         | 598.89     | 598.89      | 0      |
| 303      | 3        | Bias                | 600.82     | 599.91      | -0.908 |
| 304      | 3        | Bias                | 601.16     | 600.25      | -0.909 |
| 305      | 3        | Bias                | 602.52     | 599.91      | -2.605 |
| 306      | 3        | Bias                | 601.5      | 600.93      | -0.568 |
| 307      | 3        | Bias                | 603.2      | 599.58      | -3.624 |
| 308      | 3        | Unbiased            | 601.5      | 600.93      | -0.568 |
| 309      | 3        | Unbiased            | 599.91     | 599.91      | 0      |
| 310      | 3        | Unbiased            | 600.25     | 600.59      | 0.34   |
| 311      | 3        | Unbiased            | 600.59     | 600.59      | 0      |
| 312      | 3        | Unbiased            | 599.58     | 599.91      | 0.34   |
| 313      | 10       | Bias                | 598.89     | 598.89      | 0      |
| 314      | 10       | Bias                | 599.24     | 599.24      | 0      |
| 315      | 10       | Bias                | 599.91     | 600.25      | 0.339  |
| 316      | 10       | Bias                | 600.25     | 599.91      | -0.339 |
| 317      | 10       | Bias                | 599.24     | 598.89      | -0.34  |
| 318      | 10       | Unbiased            | 600.93     | 600.25      | -0.68  |
| 319      | 10       | Unbiased            | 598.56     | 598.89      | 0.339  |
| 320      | 10       | Unbiased            | 599.91     | 600.59      | 0.679  |
| 321      | 10       | Unbiased            | 599.58     | 600.25      | 0.679  |
| 322      | 10       | Unbiased            | 599.91     | 599.91      | 0      |
| 323      | 30       | Bias                | 599.91     | 599.91      | 0      |
| 324      | 30       | Bias                | 599.58     | 599.24      | -0.34  |
| 325      | 30       | Bias                | 600.59     | 599.58      | -1.019 |
| 326      | 30       | Bias                | 599.91     | 599.58      | -0.34  |
| 327      | 30       | Bias                | 600.59     | 600.25      | -0.34  |
| 328      | 30       | Unbiased            | 600.25     | 600.93      | 0.68   |
| 329      | 30       | Unbiased            | 598.56     | 598.22      | -0.34  |
| 330      | 30       | Unbiased            | 600.59     | 600.25      | -0.34  |
| 331      | 30       | Unbiased            | 600.59     | 599.91      | -0.679 |
| 332      | 30       | Unbiased            | 599.58     | 599.91      | 0.34   |
| 333      | 50       | Bias                | 599.58     | 599.58      | 0      |
| 334      | 50       | Bias                | 599.91     | 599.24      | -0.68  |
| 335      | 50       | Bias                | 599.58     | 598.89      | -0.68  |
| 336      | 50       | Bias                | 599.91     | 599.24      | -0.68  |
| 337      | 50       | Bias                | 600.25     | 599.91      | -0.339 |
| 338      | 50       | Unbiased            | 599.91     | 600.59      | 0.679  |
| 339      | 50       | Unbiased            | 600.48     | 599.91      | -0.569 |
| 340      | 50       | Unbiased            | 600.14     | 599.24      | -0.909 |
| 341      | 50       | Unbiased            | 601.16     | 598.56      | -2.607 |
| 342      | 50       | Unbiased            | 601.84     | 601.27      | -0.568 |
| 343      | 100      | Bias                | 600.14     | 600.59      | 0.45   |
| 344      | 100      | Bias                | 601.5      | 598.56      | -2.946 |
| 345      | 100      | Bias                | 603.54     | 599.58      | -3.964 |
| 346      | 100      | Bias                | 600.48     | 598.89      | -1.589 |
| 347      | 100      | Bias                | 602.52     | 601.27      | -1.247 |
| 348      | 100      | Unbiased            | 601.16     | 599.91      | -1.248 |
| 349      | 100      | Unbiased            | 600.82     | 598.89      | -1.928 |
| 350      | 100      | Unbiased            | 603.88     | 599.91      | -3.963 |
| 351      | 100      | Unbiased            | 601.5      | 599.24      | -2.267 |
| 352      | 100      | Unbiased            | 599.8      | 598.89      | -0.91  |

Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 598.89           | 599.57           | 599.91           | 0.5889           | 598.89            | 600.25            | 600.93            | 1.1772            | 0         | 0.67933   | 1.019     | 0.58832   |
| 3        | 599.58           | 601.1            | 603.2            | 1.1317           | 599.58            | 600.25            | 600.93            | 0.48036           | -3.624    | -0.8502   | 0.34      | 1.3004    |
| 10       | 598.56           | 599.64           | 600.93           | 0.69447          | 598.89            | 599.71            | 600.59            | 0.6643            | -0.68     | 0.0677    | 0.679     | 0.44709   |
| 30       | 598.56           | 600.02           | 600.59           | 0.66114          | 598.22            | 599.78            | 600.93            | 0.71979           | -1.019    | -0.2378   | 0.68      | 0.48188   |
| 50       | 599.58           | 600.28           | 601.84           | 0.72041          | 598.56            | 599.64            | 601.27            | 0.81339           | -2.607    | -0.6353   | 0.679     | 0.82974   |
| 100      | 599.8            | 601.54           | 603.88           | 1.3807           | 598.56            | 599.57            | 601.27            | 0.86242           | -3.964    | -1.9612   | 0.45      | 1.3808    |

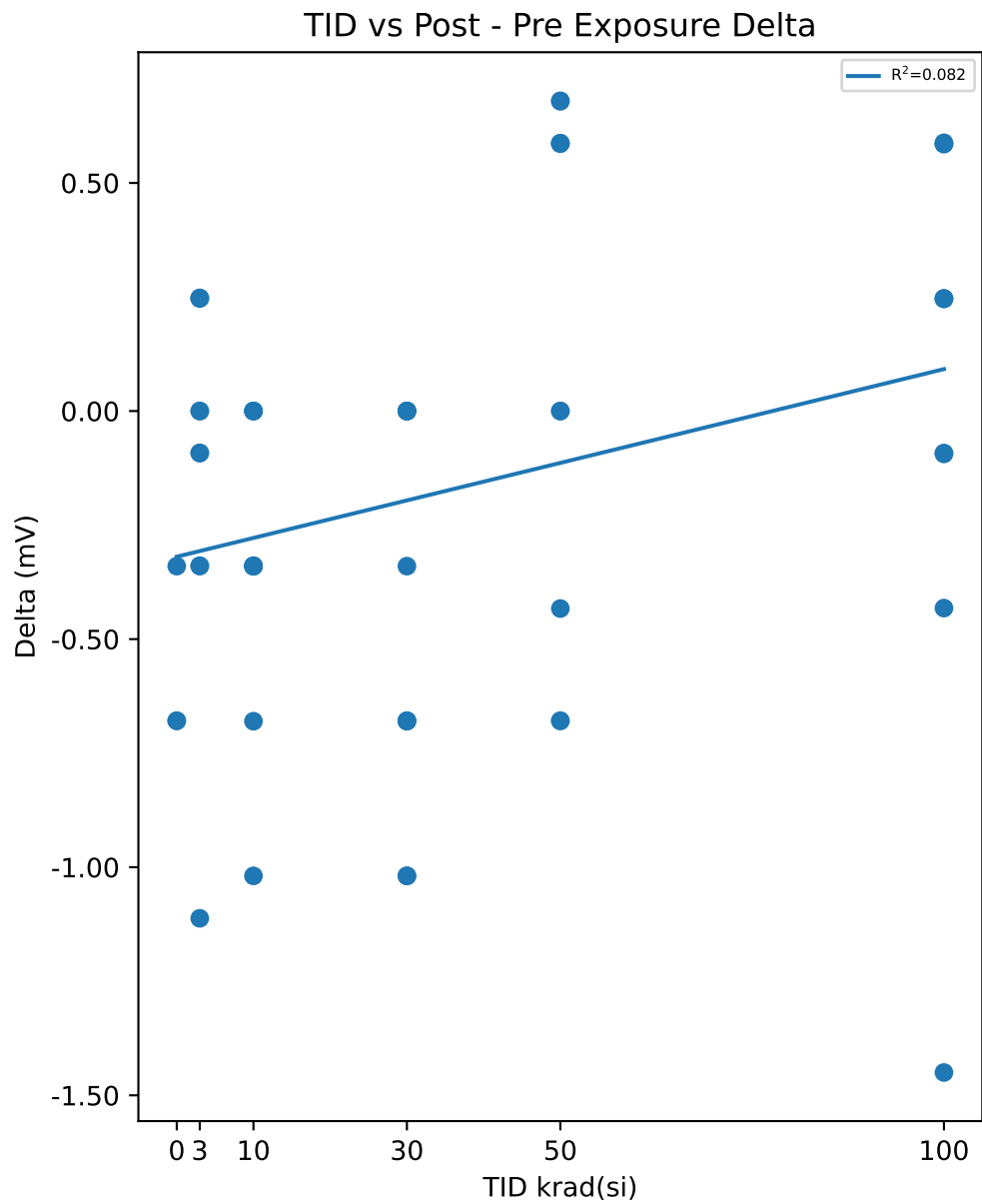
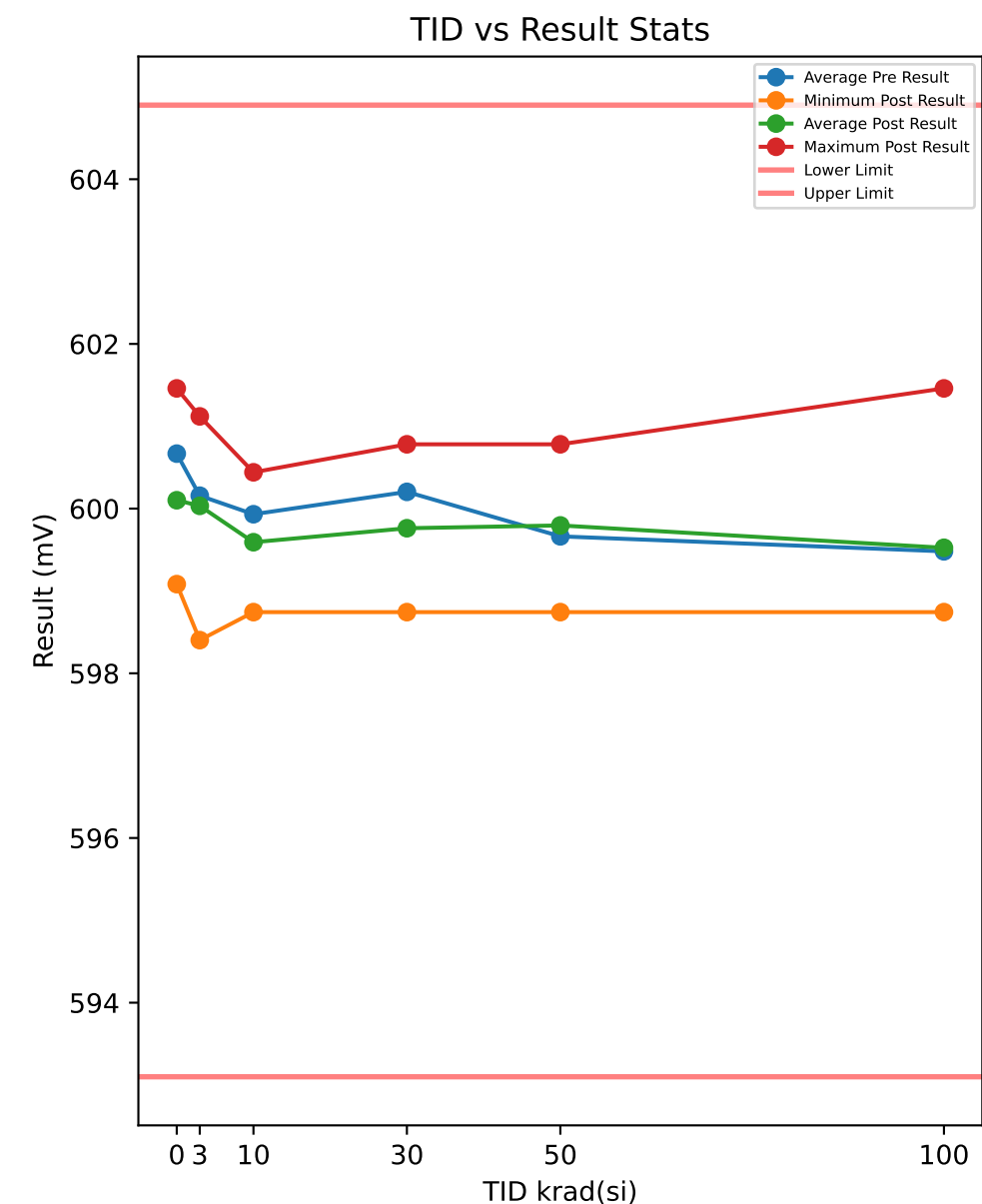
## Device Test: 13.11 ; VTH\_SENSE



| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 599.08     | 598.4       | -0.68  |
| 301      | 0        | Correlation         | 600.44     | 599.76      | -0.679 |
| 302      | 0        | Correlation         | 598.4      | 598.74      | 0.34   |
| 303      | 3        | Bias                | 597.82     | 599.08      | 1.264  |
| 304      | 3        | Bias                | 597.14     | 597.72      | 0.584  |
| 305      | 3        | Bias                | 599.18     | 599.76      | 0.586  |
| 306      | 3        | Bias                | 598.5      | 599.42      | 0.925  |
| 307      | 3        | Bias                | 598.84     | 600.44      | 1.604  |
| 308      | 3        | Unbiased            | 598.16     | 598.4       | 0.245  |
| 309      | 3        | Unbiased            | 600.44     | 599.76      | -0.679 |
| 310      | 3        | Unbiased            | 599.42     | 599.42      | 0      |
| 311      | 3        | Unbiased            | 599.08     | 599.08      | 0      |
| 312      | 3        | Unbiased            | 599.08     | 599.42      | 0.339  |
| 313      | 10       | Bias                | 597.72     | 598.06      | 0.34   |
| 314      | 10       | Bias                | 599.76     | 599.76      | 0      |
| 315      | 10       | Bias                | 598.74     | 599.08      | 0.34   |
| 316      | 10       | Bias                | 599.76     | 599.08      | -0.679 |
| 317      | 10       | Bias                | 599.08     | 598.06      | -1.019 |
| 318      | 10       | Unbiased            | 600.1      | 600.44      | 0.34   |
| 319      | 10       | Unbiased            | 597.72     | 598.06      | 0.34   |
| 320      | 10       | Unbiased            | 599.42     | 598.74      | -0.679 |
| 321      | 10       | Unbiased            | 599.08     | 598.74      | -0.34  |
| 322      | 10       | Unbiased            | 598.06     | 599.08      | 1.019  |
| 323      | 30       | Bias                | 598.74     | 598.06      | -0.679 |
| 324      | 30       | Bias                | 599.08     | 598.74      | -0.34  |
| 325      | 30       | Bias                | 599.76     | 599.42      | -0.34  |
| 326      | 30       | Bias                | 599.08     | 598.74      | -0.34  |
| 327      | 30       | Bias                | 599.42     | 598.06      | -1.358 |
| 328      | 30       | Unbiased            | 600.1      | 600.44      | 0.34   |
| 329      | 30       | Unbiased            | 598.74     | 598.74      | 0      |
| 330      | 30       | Unbiased            | 600.44     | 599.08      | -1.358 |
| 331      | 30       | Unbiased            | 598.4      | 598.4       | 0      |
| 332      | 30       | Unbiased            | 598.4      | 598.74      | 0.34   |
| 333      | 50       | Bias                | 599.42     | 598.74      | -0.679 |
| 334      | 50       | Bias                | 599.08     | 599.08      | 0      |
| 335      | 50       | Bias                | 598.74     | 598.06      | -0.679 |
| 336      | 50       | Bias                | 599.76     | 600.1       | 0.339  |
| 337      | 50       | Bias                | 598.06     | 598.74      | 0.679  |
| 338      | 50       | Unbiased            | 599.42     | 599.08      | -0.339 |
| 339      | 50       | Unbiased            | 598.5      | 598.06      | -0.433 |
| 340      | 50       | Unbiased            | 598.16     | 599.42      | 1.264  |
| 341      | 50       | Unbiased            | 597.14     | 597.38      | 0.245  |
| 342      | 50       | Unbiased            | 599.18     | 600.44      | 1.265  |
| 343      | 100      | Bias                | 597.82     | 598.4       | 0.584  |
| 344      | 100      | Bias                | 597.48     | 597.38      | -0.094 |
| 345      | 100      | Bias                | 599.18     | 598.4       | -0.773 |
| 346      | 100      | Bias                | 598.16     | 597.72      | -0.434 |
| 347      | 100      | Bias                | 599.18     | 599.76      | 0.586  |
| 348      | 100      | Unbiased            | 598.16     | 598.74      | 0.585  |
| 349      | 100      | Unbiased            | 597.14     | 597.38      | 0.245  |
| 350      | 100      | Unbiased            | 598.5      | 599.08      | 0.586  |
| 351      | 100      | Unbiased            | 597.82     | 598.4       | 0.584  |
| 352      | 100      | Unbiased            | 597.82     | 598.4       | 0.584  |

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 598.4            | 599.31           | 600.44           | 1.0376           | 598.4             | 598.97            | 599.76            | 0.70721           | -0.68     | -0.33967  | 0.34      | 0.58861   |
| 3        | 597.14           | 598.77           | 600.44           | 0.9185           | 597.72            | 599.25            | 600.44            | 0.75523           | -0.679    | 0.4868    | 1.604     | 0.66473   |
| 10       | 597.72           | 598.95           | 600.1            | 0.8651           | 598.06            | 598.91            | 600.44            | 0.7719            | -1.019    | -0.0338   | 1.019     | 0.62941   |
| 30       | 598.4            | 599.22           | 600.44           | 0.70152          | 598.06            | 598.84            | 600.44            | 0.6987            | -1.358    | -0.3735   | 0.34      | 0.60849   |
| 50       | 597.14           | 598.75           | 599.76           | 0.7956           | 597.38            | 598.91            | 600.44            | 0.93673           | -0.679    | 0.1662    | 1.265     | 0.72894   |
| 100      | 597.14           | 598.12           | 599.18           | 0.66818          | 597.38            | 598.37            | 599.76            | 0.74142           | -0.773    | 0.2453    | 0.586     | 0.5061    |

## Device Test: 13.12 ; VTH\_SENSE



Test Results (Lower Limit = 593.1,  
Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 600.44     | 599.76      | -0.679 |
| 301      | 0        | Correlation         | 601.8      | 601.46      | -0.34  |
| 302      | 0        | Correlation         | 599.76     | 599.08      | -0.679 |
| 303      | 3        | Bias                | 599.85     | 599.76      | -0.092 |
| 304      | 3        | Bias                | 599.51     | 598.4       | -1.112 |
| 305      | 3        | Bias                | 599.85     | 600.1       | 0.247  |
| 306      | 3        | Bias                | 599.51     | 599.76      | 0.247  |
| 307      | 3        | Bias                | 600.87     | 601.12      | 0.248  |
| 308      | 3        | Unbiased            | 599.85     | 599.76      | -0.092 |
| 309      | 3        | Unbiased            | 600.78     | 600.44      | -0.34  |
| 310      | 3        | Unbiased            | 600.44     | 600.44      | 0      |
| 311      | 3        | Unbiased            | 600.78     | 600.78      | 0      |
| 312      | 3        | Unbiased            | 600.1      | 599.76      | -0.339 |
| 313      | 10       | Bias                | 598.74     | 598.74      | 0      |
| 314      | 10       | Bias                | 600.1      | 599.76      | -0.339 |
| 315      | 10       | Bias                | 599.42     | 599.42      | 0      |
| 316      | 10       | Bias                | 599.76     | 599.42      | -0.34  |
| 317      | 10       | Bias                | 599.76     | 599.42      | -0.34  |
| 318      | 10       | Unbiased            | 601.12     | 600.1       | -1.019 |
| 319      | 10       | Unbiased            | 599.08     | 599.08      | 0      |
| 320      | 10       | Unbiased            | 600.78     | 600.1       | -0.68  |
| 321      | 10       | Unbiased            | 600.78     | 600.44      | -0.34  |
| 322      | 10       | Unbiased            | 599.76     | 599.42      | -0.34  |
| 323      | 30       | Bias                | 600.1      | 599.42      | -0.679 |
| 324      | 30       | Bias                | 600.44     | 599.76      | -0.679 |
| 325      | 30       | Bias                | 601.12     | 600.1       | -1.019 |
| 326      | 30       | Bias                | 599.42     | 599.42      | 0      |
| 327      | 30       | Bias                | 600.78     | 600.1       | -0.68  |
| 328      | 30       | Unbiased            | 600.78     | 600.78      | 0      |
| 329      | 30       | Unbiased            | 599.76     | 599.42      | -0.34  |
| 330      | 30       | Unbiased            | 600.78     | 600.78      | 0      |
| 331      | 30       | Unbiased            | 599.08     | 599.08      | 0      |
| 332      | 30       | Unbiased            | 599.76     | 598.74      | -1.019 |
| 333      | 50       | Bias                | 600.1      | 599.42      | -0.679 |
| 334      | 50       | Bias                | 598.74     | 599.42      | 0.679  |
| 335      | 50       | Bias                | 599.42     | 599.42      | 0      |
| 336      | 50       | Bias                | 600.44     | 599.76      | -0.679 |
| 337      | 50       | Bias                | 599.42     | 599.42      | 0      |
| 338      | 50       | Unbiased            | 600.1      | 600.78      | 0.68   |
| 339      | 50       | Unbiased            | 599.18     | 599.76      | 0.586  |
| 340      | 50       | Unbiased            | 599.85     | 600.44      | 0.587  |
| 341      | 50       | Unbiased            | 599.18     | 598.74      | -0.433 |
| 342      | 50       | Unbiased            | 600.19     | 600.78      | 0.587  |
| 343      | 100      | Bias                | 600.53     | 599.08      | -1.45  |
| 344      | 100      | Bias                | 598.5      | 598.74      | 0.246  |
| 345      | 100      | Bias                | 600.19     | 599.76      | -0.432 |
| 346      | 100      | Bias                | 598.5      | 599.08      | 0.586  |
| 347      | 100      | Bias                | 600.87     | 601.46      | 0.588  |
| 348      | 100      | Unbiased            | 598.84     | 599.42      | 0.585  |
| 349      | 100      | Unbiased            | 598.84     | 598.74      | -0.094 |
| 350      | 100      | Unbiased            | 599.85     | 599.76      | -0.092 |
| 351      | 100      | Unbiased            | 599.51     | 599.76      | 0.247  |
| 352      | 100      | Unbiased            | 599.18     | 599.42      | 0.246  |

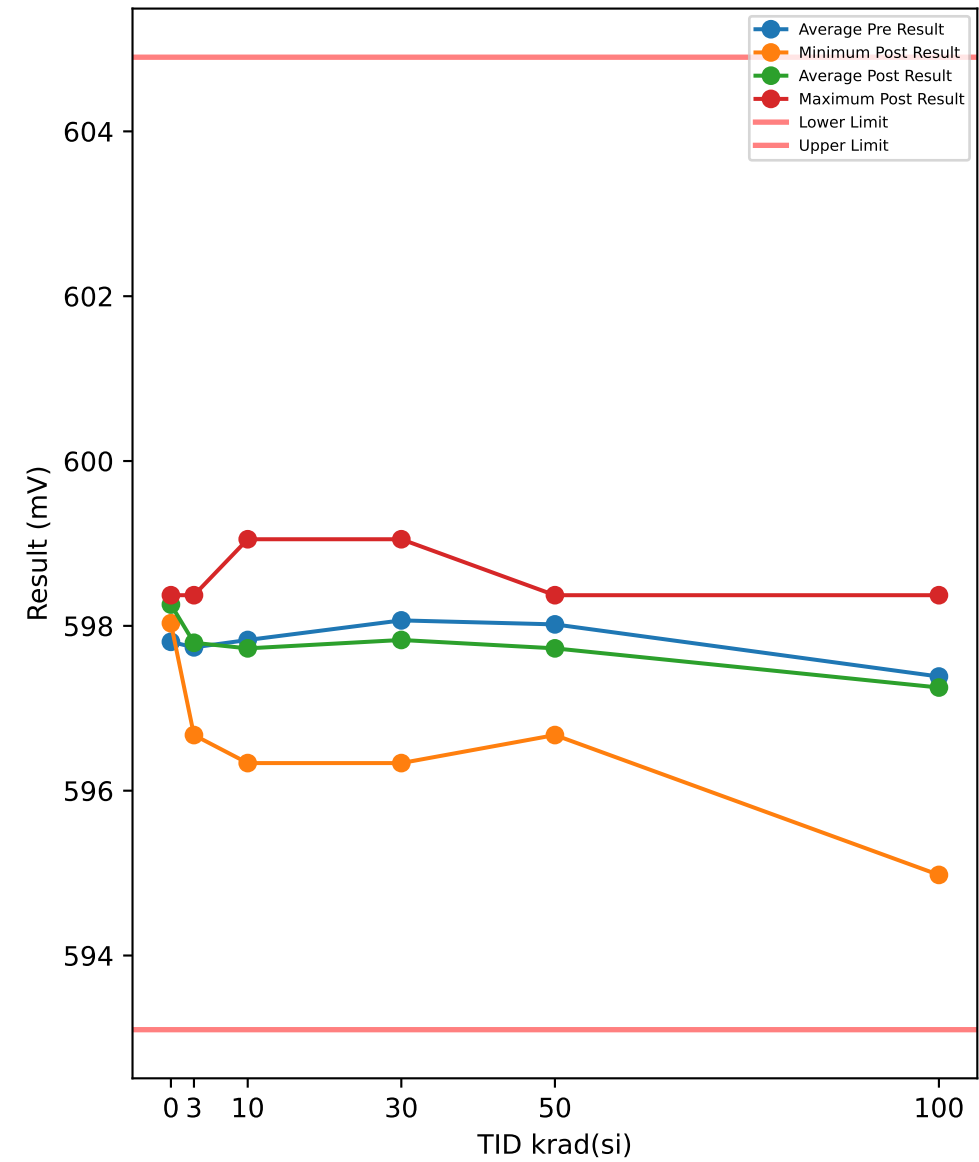
Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 599.76           | 600.67           | 601.8            | 1.0377           | 599.08            | 600.1             | 601.46            | 1.2244            | -0.679    | -0.566    | -0.34     | 0.19572   |
| 3        | 599.51           | 600.16           | 600.87           | 0.52425          | 598.4             | 600.03            | 601.12            | 0.74754           | -1.112    | -0.1233   | 0.248     | 0.41035   |
| 10       | 598.74           | 599.93           | 601.12           | 0.77193          | 598.74            | 599.59            | 600.44            | 0.51244           | -1.019    | -0.3398   | 0         | 0.32032   |
| 30       | 599.08           | 600.2            | 601.12           | 0.68016          | 598.74            | 599.76            | 600.78            | 0.67928           | -1.019    | -0.4416   | 0         | 0.42514   |
| 50       | 598.74           | 599.66           | 600.44           | 0.5522           | 598.74            | 599.8             | 600.78            | 0.66892           | -0.679    | 0.1328    | 0.68      | 0.56659   |
| 100      | 598.5            | 599.48           | 600.87           | 0.85305          | 598.74            | 599.52            | 601.46            | 0.78512           | -1.45     | 0.043     | 0.588     | 0.62373   |



Device Test: 13.13 ; VTH\_SENSE

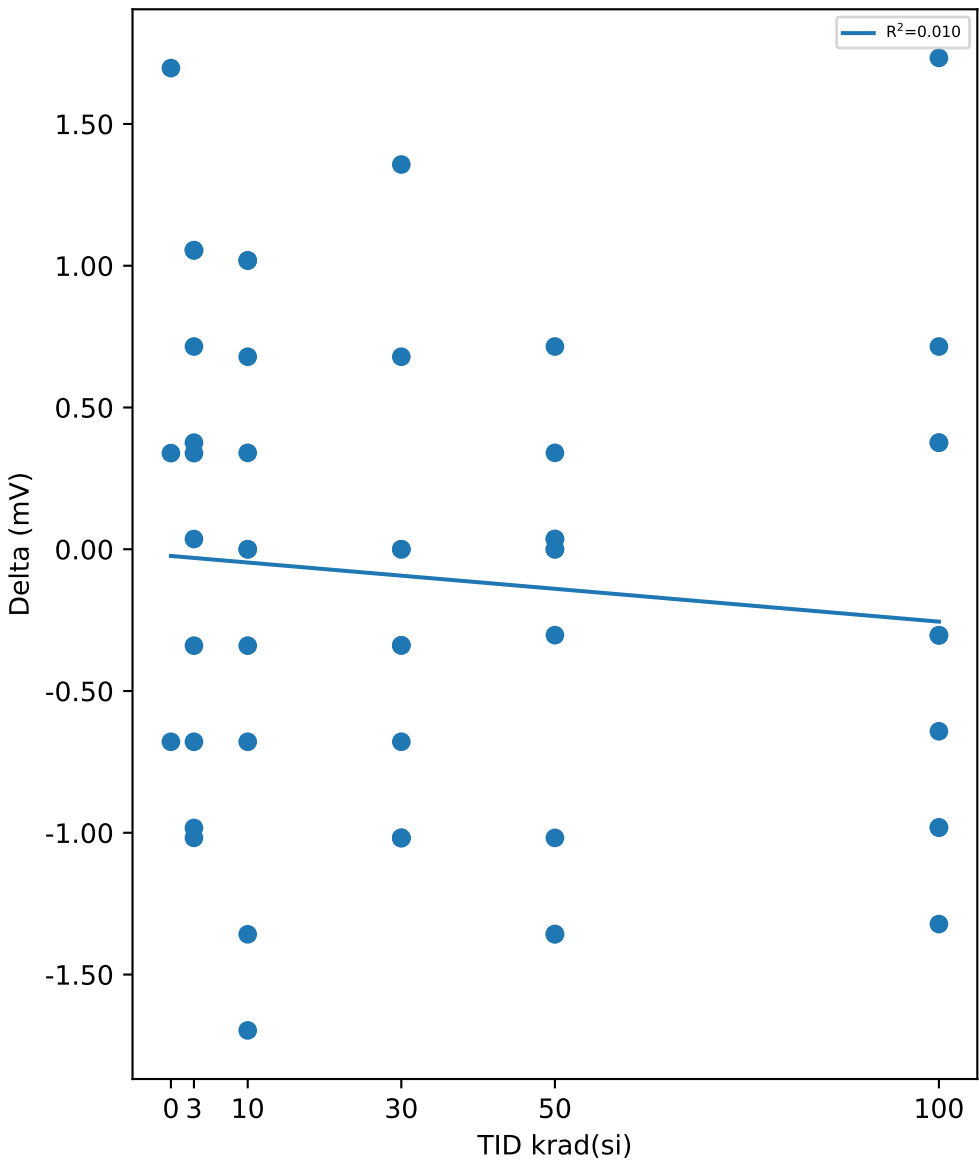
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 599.05     | 598.37      | -0.679 |
| 301      | 0        | Correlation         | 597.69     | 598.03      | 0.339  |
| 302      | 0        | Correlation         | 596.67     | 598.37      | 1.697  |
| 303      | 3        | Bias                | 598        | 598.37      | 0.376  |
| 304      | 3        | Bias                | 598        | 598.03      | 0.036  |
| 305      | 3        | Bias                | 597.32     | 598.37      | 1.055  |
| 306      | 3        | Bias                | 598.68     | 597.69      | -0.983 |
| 307      | 3        | Bias                | 596.98     | 598.03      | 1.054  |
| 308      | 3        | Unbiased            | 596.98     | 597.69      | 0.715  |
| 309      | 3        | Unbiased            | 598.71     | 598.03      | -0.679 |
| 310      | 3        | Unbiased            | 597.69     | 596.67      | -1.018 |
| 311      | 3        | Unbiased            | 598.37     | 598.03      | -0.34  |
| 312      | 3        | Unbiased            | 596.67     | 597.01      | 0.339  |
| 313      | 10       | Bias                | 597.01     | 596.34      | -0.679 |
| 314      | 10       | Bias                | 598.03     | 598.37      | 0.34   |
| 315      | 10       | Bias                | 596.67     | 597.69      | 1.018  |
| 316      | 10       | Bias                | 599.39     | 598.03      | -1.358 |
| 317      | 10       | Bias                | 597.35     | 597.35      | 0      |
| 318      | 10       | Unbiased            | 598.03     | 599.05      | 1.019  |
| 319      | 10       | Unbiased            | 598.03     | 598.03      | 0      |
| 320      | 10       | Unbiased            | 598.71     | 597.01      | -1.697 |
| 321      | 10       | Unbiased            | 596.67     | 597.35      | 0.679  |
| 322      | 10       | Unbiased            | 598.37     | 598.03      | -0.34  |
| 323      | 30       | Bias                | 597.69     | 597.69      | 0      |
| 324      | 30       | Bias                | 598.37     | 599.05      | 0.679  |
| 325      | 30       | Bias                | 598.71     | 598.37      | -0.339 |
| 326      | 30       | Bias                | 596.67     | 598.03      | 1.357  |
| 327      | 30       | Bias                | 598.37     | 597.35      | -1.018 |
| 328      | 30       | Unbiased            | 598.37     | 598.37      | 0      |
| 329      | 30       | Unbiased            | 598.03     | 597.01      | -1.018 |
| 330      | 30       | Unbiased            | 598.71     | 598.37      | -0.339 |
| 331      | 30       | Unbiased            | 598.37     | 597.69      | -0.679 |
| 332      | 30       | Unbiased            | 597.35     | 596.34      | -1.019 |
| 333      | 50       | Bias                | 598.37     | 598.37      | 0      |
| 334      | 50       | Bias                | 598.03     | 597.01      | -1.018 |
| 335      | 50       | Bias                | 598.03     | 596.67      | -1.357 |
| 336      | 50       | Bias                | 598.03     | 598.37      | 0.34   |
| 337      | 50       | Bias                | 598.37     | 598.37      | 0      |
| 338      | 50       | Unbiased            | 599.05     | 597.69      | -1.358 |
| 339      | 50       | Unbiased            | 597.66     | 597.35      | -0.303 |
| 340      | 50       | Unbiased            | 596.98     | 597.69      | 0.715  |
| 341      | 50       | Unbiased            | 597.66     | 597.69      | 0.036  |
| 342      | 50       | Unbiased            | 598        | 598.03      | 0.036  |
| 343      | 100      | Bias                | 598.34     | 598.03      | -0.304 |
| 344      | 100      | Bias                | 596.3      | 598.03      | 1.733  |
| 345      | 100      | Bias                | 598        | 597.35      | -0.642 |
| 346      | 100      | Bias                | 596.98     | 597.35      | 0.376  |
| 347      | 100      | Bias                | 598        | 598.37      | 0.376  |
| 348      | 100      | Unbiased            | 598        | 597.01      | -0.982 |
| 349      | 100      | Unbiased            | 596.3      | 596         | -0.303 |
| 350      | 100      | Unbiased            | 598.34     | 597.01      | -1.322 |
| 351      | 100      | Unbiased            | 595.96     | 594.98      | -0.981 |
| 352      | 100      | Unbiased            | 597.66     | 598.37      | 0.715  |

TID vs Post - Pre Exposure Delta

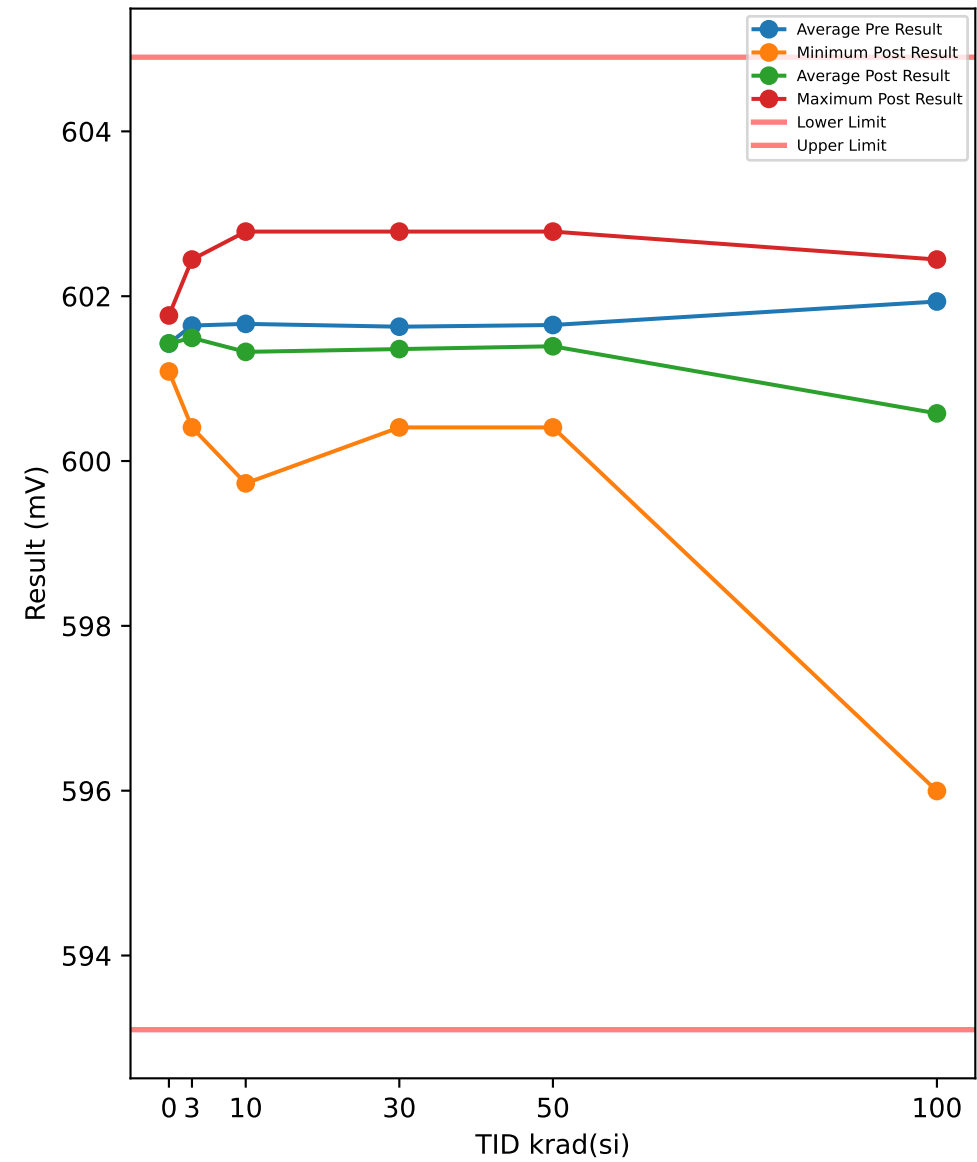


Test Statistics (mV)

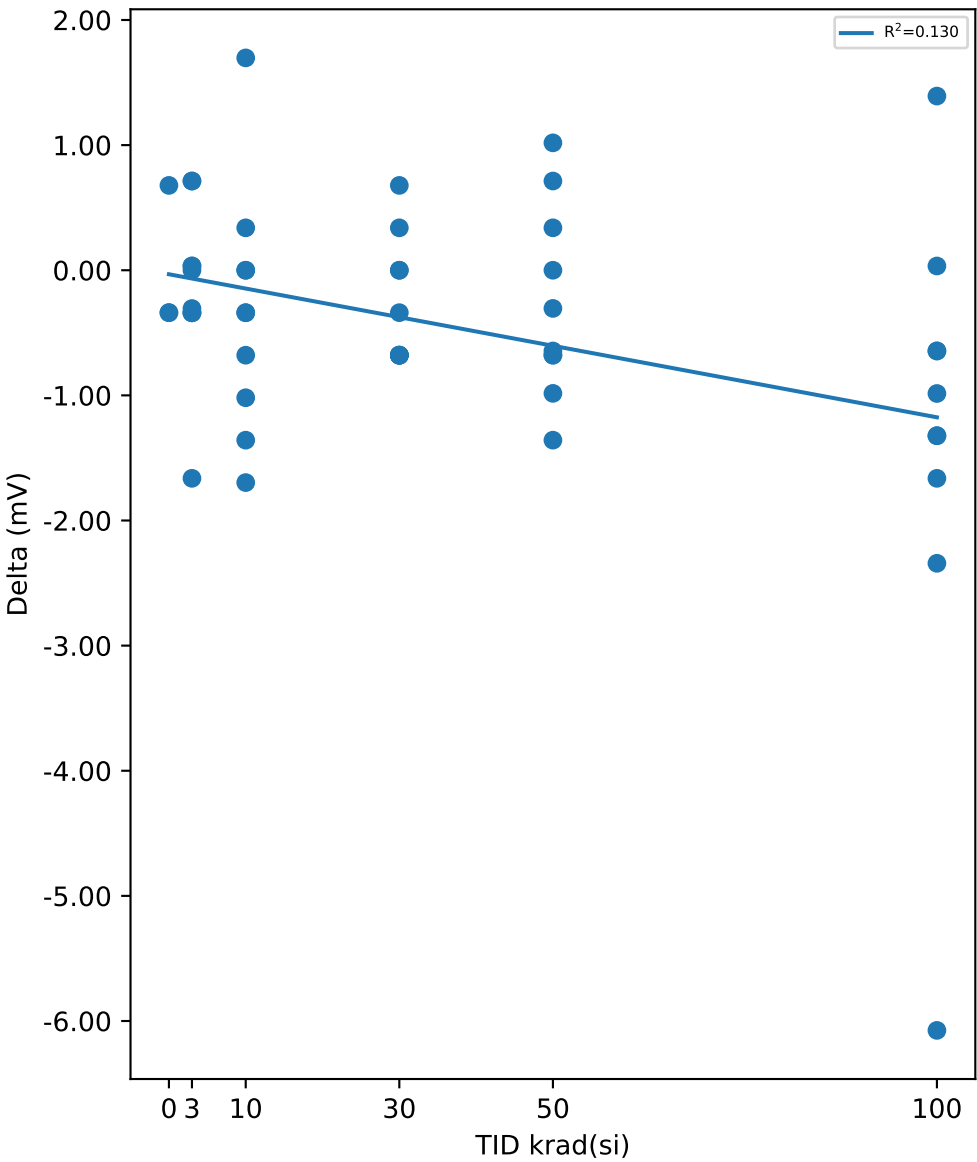
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 596.67           | 597.81           | 599.05           | 1.192            | 598.03            | 598.26            | 598.37            | 0.1963            | -0.679    | 0.45233   | 1.697     | 1.192     |
| 3        | 596.67           | 597.74           | 598.71           | 0.73228          | 596.67            | 597.79            | 598.37            | 0.55535           | -1.018    | 0.0555    | 1.055     | 0.78466   |
| 10       | 596.67           | 597.83           | 599.39           | 0.89358          | 596.34            | 597.73            | 599.05            | 0.75818           | -1.697    | -0.1018   | 1.019     | 0.93383   |
| 30       | 596.67           | 598.07           | 598.71           | 0.64882          | 596.34            | 597.83            | 599.05            | 0.78725           | -1.019    | -0.2376   | 1.357     | 0.78456   |
| 50       | 596.98           | 598.02           | 599.05           | 0.54376          | 596.67            | 597.73            | 598.37            | 0.58678           | -1.358    | -0.2909   | 0.715     | 0.71468   |
| 100      | 595.96           | 597.39           | 598.34           | 0.91656          | 594.98            | 597.25            | 598.37            | 1.0857            | -1.322    | -0.1334   | 1.733     | 0.93631   |

Device Test: 13.14 ; VTH\_SENSE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 601.43     | 601.09      | -0.339 |
| 301      | 0        | Correlation         | 602.11     | 601.77      | -0.339 |
| 302      | 0        | Correlation         | 600.75     | 601.43      | 0.678  |
| 303      | 3        | Bias                | 601.05     | 601.77      | 0.713  |
| 304      | 3        | Bias                | 601.73     | 601.77      | 0.034  |
| 305      | 3        | Bias                | 602.41     | 602.11      | -0.306 |
| 306      | 3        | Bias                | 601.73     | 601.77      | 0.034  |
| 307      | 3        | Bias                | 601.73     | 602.45      | 0.713  |
| 308      | 3        | Unbiased            | 602.41     | 600.75      | -1.663 |
| 309      | 3        | Unbiased            | 601.77     | 601.43      | -0.34  |
| 310      | 3        | Unbiased            | 600.41     | 600.41      | 0      |
| 311      | 3        | Unbiased            | 602.45     | 602.11      | -0.34  |
| 312      | 3        | Unbiased            | 600.75     | 600.41      | -0.34  |
| 313      | 10       | Bias                | 600.75     | 599.73      | -1.019 |
| 314      | 10       | Bias                | 602.11     | 602.11      | 0      |
| 315      | 10       | Bias                | 602.45     | 600.75      | -1.697 |
| 316      | 10       | Bias                | 601.43     | 601.43      | 0      |
| 317      | 10       | Bias                | 601.09     | 600.75      | -0.339 |
| 318      | 10       | Unbiased            | 602.45     | 602.78      | 0.339  |
| 319      | 10       | Unbiased            | 601.77     | 601.43      | -0.34  |
| 320      | 10       | Unbiased            | 602.45     | 601.09      | -1.358 |
| 321      | 10       | Unbiased            | 600.41     | 602.11      | 1.697  |
| 322      | 10       | Unbiased            | 601.77     | 601.09      | -0.679 |
| 323      | 30       | Bias                | 601.09     | 600.41      | -0.679 |
| 324      | 30       | Bias                | 602.78     | 602.11      | -0.679 |
| 325      | 30       | Bias                | 603.12     | 602.45      | -0.678 |
| 326      | 30       | Bias                | 601.09     | 600.41      | -0.679 |
| 327      | 30       | Bias                | 601.43     | 601.09      | -0.339 |
| 328      | 30       | Unbiased            | 602.11     | 602.11      | 0      |
| 329      | 30       | Unbiased            | 600.41     | 600.41      | 0      |
| 330      | 30       | Unbiased            | 602.45     | 602.78      | 0.339  |
| 331      | 30       | Unbiased            | 601.09     | 600.41      | -0.679 |
| 332      | 30       | Unbiased            | 600.75     | 601.43      | 0.678  |
| 333      | 50       | Bias                | 600.75     | 601.77      | 1.018  |
| 334      | 50       | Bias                | 601.43     | 600.75      | -0.678 |
| 335      | 50       | Bias                | 600.07     | 600.41      | 0.339  |
| 336      | 50       | Bias                | 600.75     | 600.75      | 0      |
| 337      | 50       | Bias                | 602.78     | 601.43      | -1.358 |
| 338      | 50       | Unbiased            | 602.78     | 602.11      | -0.679 |
| 339      | 50       | Unbiased            | 602.75     | 602.11      | -0.645 |
| 340      | 50       | Unbiased            | 602.07     | 601.09      | -0.984 |
| 341      | 50       | Unbiased            | 601.05     | 600.75      | -0.305 |
| 342      | 50       | Unbiased            | 602.07     | 602.78      | 0.713  |
| 343      | 100      | Bias                | 602.41     | 601.77      | -0.645 |
| 344      | 100      | Bias                | 602.41     | 601.77      | -0.645 |
| 345      | 100      | Bias                | 601.05     | 602.45      | 1.392  |
| 346      | 100      | Bias                | 601.05     | 601.09      | 0.034  |
| 347      | 100      | Bias                | 603.43     | 602.45      | -0.985 |
| 348      | 100      | Unbiased            | 602.07     | 600.41      | -1.663 |
| 349      | 100      | Unbiased            | 601.39     | 600.07      | -1.323 |
| 350      | 100      | Unbiased            | 603.09     | 600.75      | -2.342 |
| 351      | 100      | Unbiased            | 600.37     | 599.05      | -1.322 |
| 352      | 100      | Unbiased            | 602.07     | 596         | -6.075 |

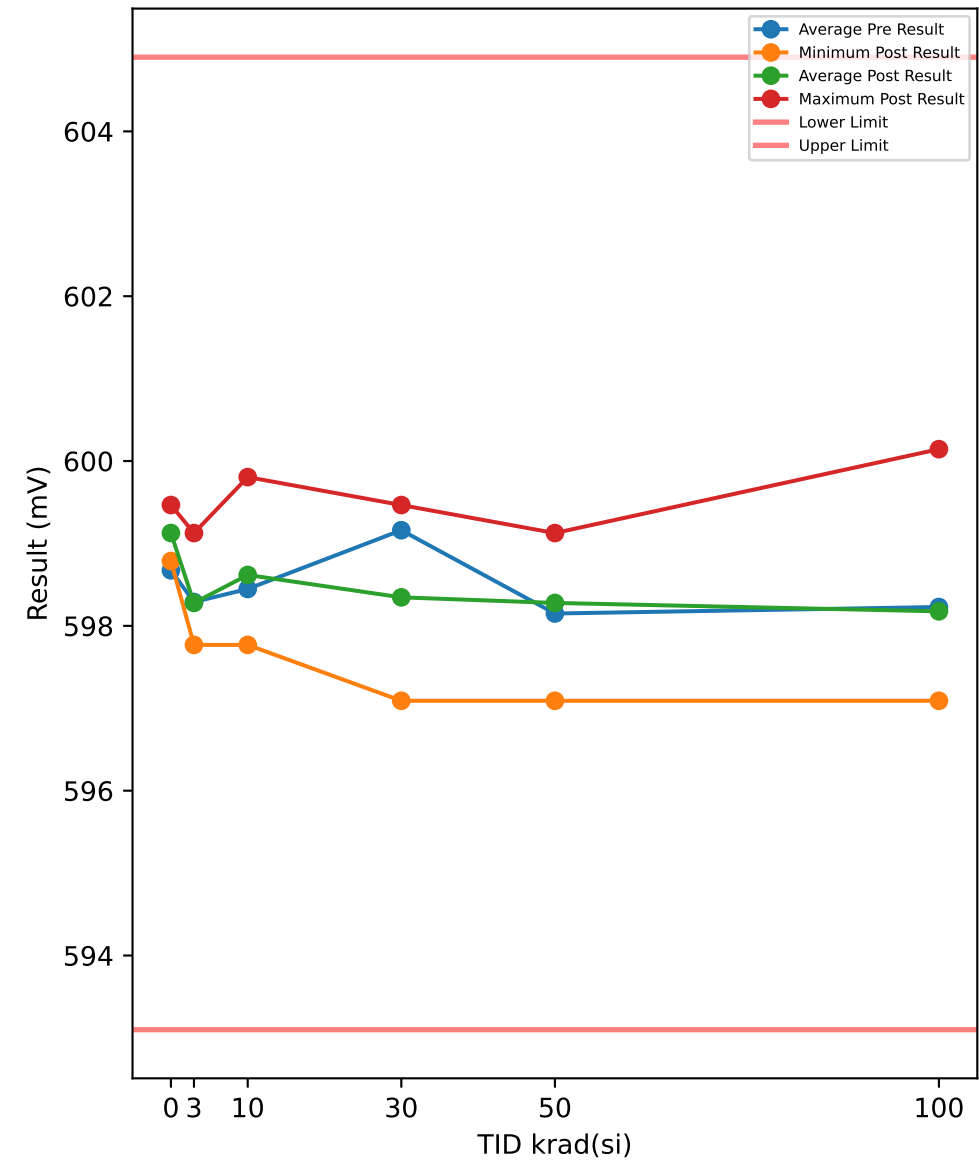
Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|-----------|
| 0        | 600.75           | 601.43           | 602.11           | 0.6785           | 601.09            | 601.43            | 601.77            | 0.3395            | -0.339    | -3.7896e-14 | 0.678     | 0.58717   |
| 3        | 600.41           | 601.64           | 602.45           | 0.70994          | 600.41            | 601.49            | 602.45            | 0.72976           | -1.663    | -0.1495     | 0.713     | 0.6668    |
| 10       | 600.41           | 601.66           | 602.45           | 0.73419          | 599.73            | 601.32            | 602.78            | 0.86231           | -1.697    | -0.3396     | 1.697     | 0.96005   |
| 30       | 600.41           | 601.63           | 603.12           | 0.92183          | 600.41            | 601.36            | 602.78            | 0.94394           | -0.679    | -0.2716     | 0.678     | 0.50063   |
| 50       | 600.07           | 601.65           | 602.78           | 0.98148          | 600.41            | 601.39            | 602.78            | 0.77466           | -1.358    | -0.2579     | 1.018     | 0.76279   |
| 100      | 600.37           | 601.94           | 603.43           | 0.9632           | 596               | 600.58            | 602.45            | 1.935             | -6.075    | -1.3574     | 1.392     | 1.9428    |

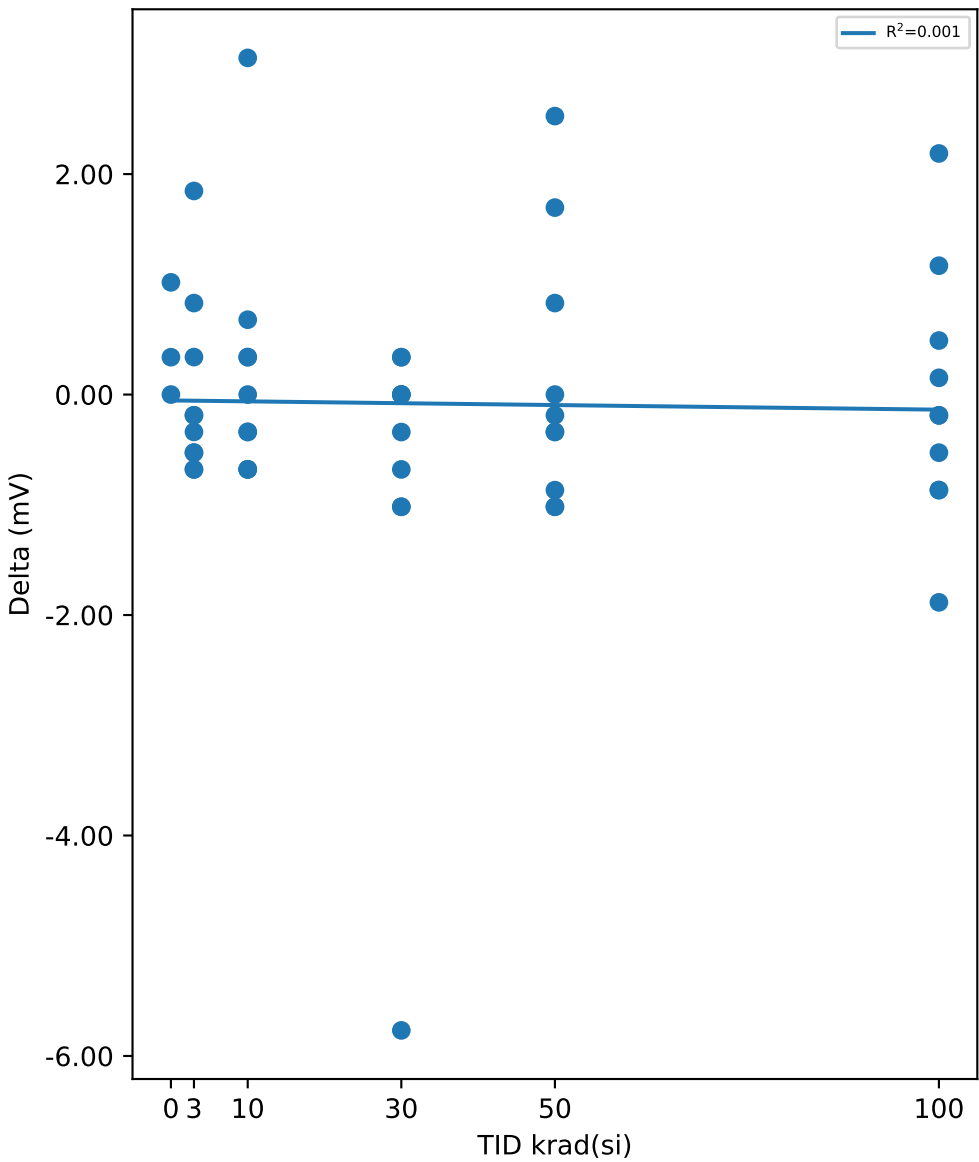


Device Test: 13.15 ; VTH\_SENSE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

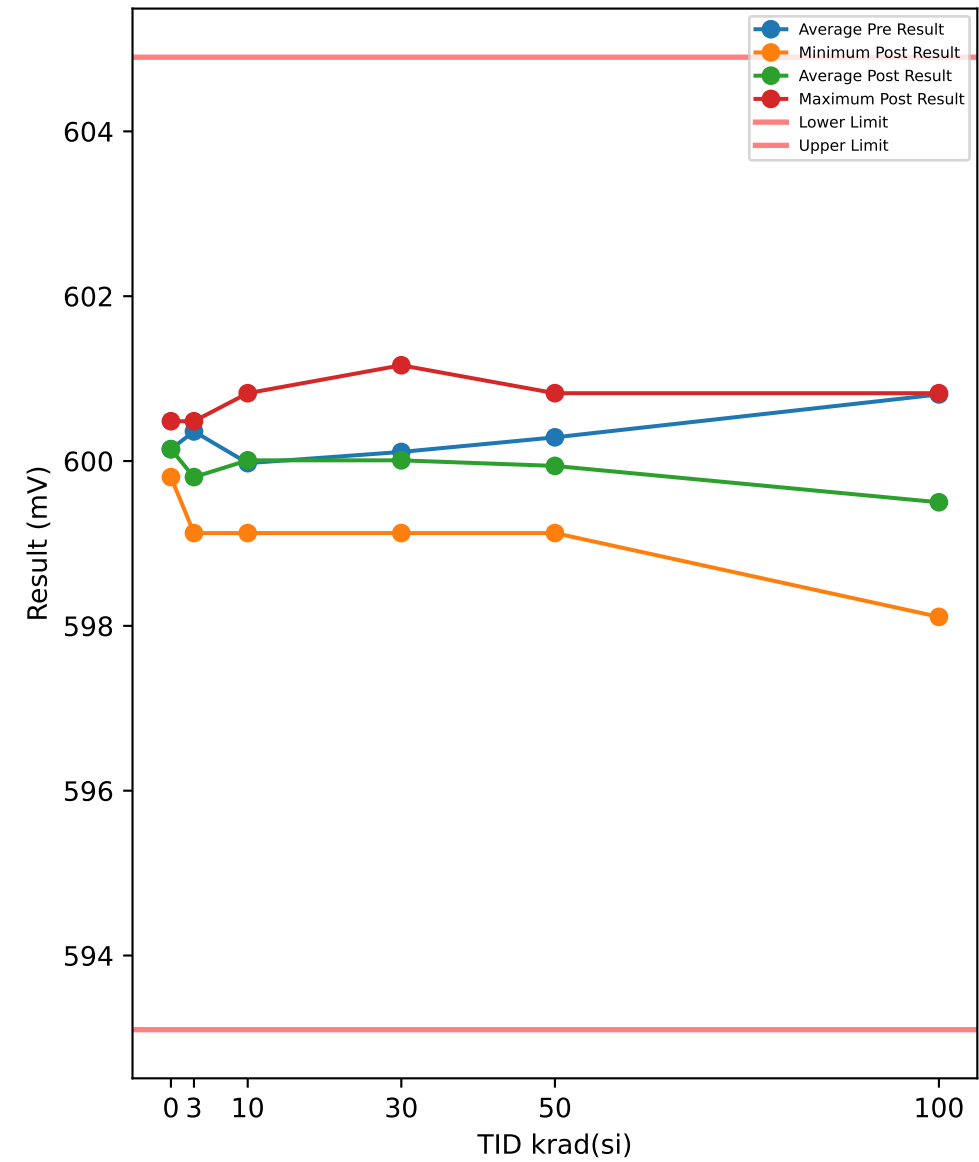
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 598.45     | 599.47      | 1.018  |
| 301      | 0        | Correlation         | 598.45     | 598.79      | 0.339  |
| 302      | 0        | Correlation         | 599.13     | 599.13      | 0      |
| 303      | 3        | Bias                | 598.64     | 598.11      | -0.527 |
| 304      | 3        | Bias                | 598.64     | 598.11      | -0.527 |
| 305      | 3        | Bias                | 597.62     | 598.45      | 0.83   |
| 306      | 3        | Bias                | 598.64     | 598.45      | -0.188 |
| 307      | 3        | Bias                | 598.3      | 598.11      | -0.188 |
| 308      | 3        | Unbiased            | 597.28     | 599.13      | 1.847  |
| 309      | 3        | Unbiased            | 598.45     | 597.77      | -0.679 |
| 310      | 3        | Unbiased            | 599.13     | 598.79      | -0.339 |
| 311      | 3        | Unbiased            | 598.45     | 597.77      | -0.679 |
| 312      | 3        | Unbiased            | 597.77     | 598.11      | 0.34   |
| 313      | 10       | Bias                | 597.77     | 598.11      | 0.34   |
| 314      | 10       | Bias                | 597.43     | 597.77      | 0.339  |
| 315      | 10       | Bias                | 598.79     | 598.45      | -0.339 |
| 316      | 10       | Bias                | 596.41     | 599.47      | 3.054  |
| 317      | 10       | Bias                | 598.79     | 598.11      | -0.678 |
| 318      | 10       | Unbiased            | 599.8      | 599.13      | -0.679 |
| 319      | 10       | Unbiased            | 599.13     | 599.8       | 0.679  |
| 320      | 10       | Unbiased            | 598.79     | 598.11      | -0.678 |
| 321      | 10       | Unbiased            | 598.79     | 598.45      | -0.339 |
| 322      | 10       | Unbiased            | 598.79     | 598.79      | 0      |
| 323      | 30       | Bias                | 598.45     | 597.77      | -0.679 |
| 324      | 30       | Bias                | 598.79     | 599.13      | 0.339  |
| 325      | 30       | Bias                | 599.47     | 598.45      | -1.018 |
| 326      | 30       | Bias                | 603.54     | 597.77      | -5.768 |
| 327      | 30       | Bias                | 598.11     | 598.45      | 0.339  |
| 328      | 30       | Unbiased            | 599.47     | 599.47      | 0      |
| 329      | 30       | Unbiased            | 598.45     | 598.45      | 0      |
| 330      | 30       | Unbiased            | 599.13     | 599.13      | 0      |
| 331      | 30       | Unbiased            | 598.11     | 597.77      | -0.34  |
| 332      | 30       | Unbiased            | 598.11     | 597.09      | -1.018 |
| 333      | 50       | Bias                | 600.14     | 599.13      | -1.018 |
| 334      | 50       | Bias                | 596.75     | 598.45      | 1.696  |
| 335      | 50       | Bias                | 598.11     | 598.11      | 0      |
| 336      | 50       | Bias                | 598.79     | 597.77      | -1.018 |
| 337      | 50       | Bias                | 598.45     | 598.11      | -0.339 |
| 338      | 50       | Unbiased            | 598.79     | 598.45      | -0.339 |
| 339      | 50       | Unbiased            | 596.6      | 599.13      | 2.526  |
| 340      | 50       | Unbiased            | 598.64     | 597.77      | -0.867 |
| 341      | 50       | Unbiased            | 597.28     | 597.09      | -0.188 |
| 342      | 50       | Unbiased            | 597.96     | 598.79      | 0.83   |
| 343      | 100      | Bias                | 599.65     | 597.77      | -1.885 |
| 344      | 100      | Bias                | 597.96     | 598.11      | 0.152  |
| 345      | 100      | Bias                | 597.96     | 597.77      | -0.188 |
| 346      | 100      | Bias                | 597.28     | 597.77      | 0.49   |
| 347      | 100      | Bias                | 598.98     | 600.14      | 1.169  |
| 348      | 100      | Unbiased            | 595.58     | 597.77      | 2.187  |
| 349      | 100      | Unbiased            | 597.96     | 597.43      | -0.527 |
| 350      | 100      | Unbiased            | 599.32     | 599.13      | -0.189 |
| 351      | 100      | Unbiased            | 597.96     | 597.09      | -0.866 |
| 352      | 100      | Unbiased            | 599.65     | 598.79      | -0.867 |

Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 598.45           | 598.67           | 599.13           | 0.39144          | 598.79            | 599.13            | 599.47            | 0.3395            | 0         | 0.45233   | 1.018     | 0.51838   |
| 3        | 597.28           | 598.29           | 599.13           | 0.56304          | 597.77            | 598.28            | 599.13            | 0.43055           | -0.679    | -0.011    | 1.847     | 0.80814   |
| 10       | 596.41           | 598.45           | 599.8            | 0.97288          | 597.77            | 598.62            | 599.8             | 0.66421           | -0.679    | 0.1699    | 3.054     | 1.1225    |
| 30       | 598.11           | 599.16           | 603.54           | 1.6266           | 597.09            | 598.35            | 599.47            | 0.75102           | -5.768    | -0.8145   | 0.339     | 1.8109    |
| 50       | 596.6            | 598.15           | 600.14           | 1.0681           | 597.09            | 598.28            | 599.13            | 0.64458           | -1.018    | 0.1283    | 2.526     | 1.1959    |
| 100      | 595.58           | 598.23           | 599.65           | 1.2473           | 597.09            | 598.18            | 600.14            | 0.91589           | -1.885    | -0.0524   | 2.187     | 1.1445    |

Device Test: 13.16 ; VTH\_SENSE

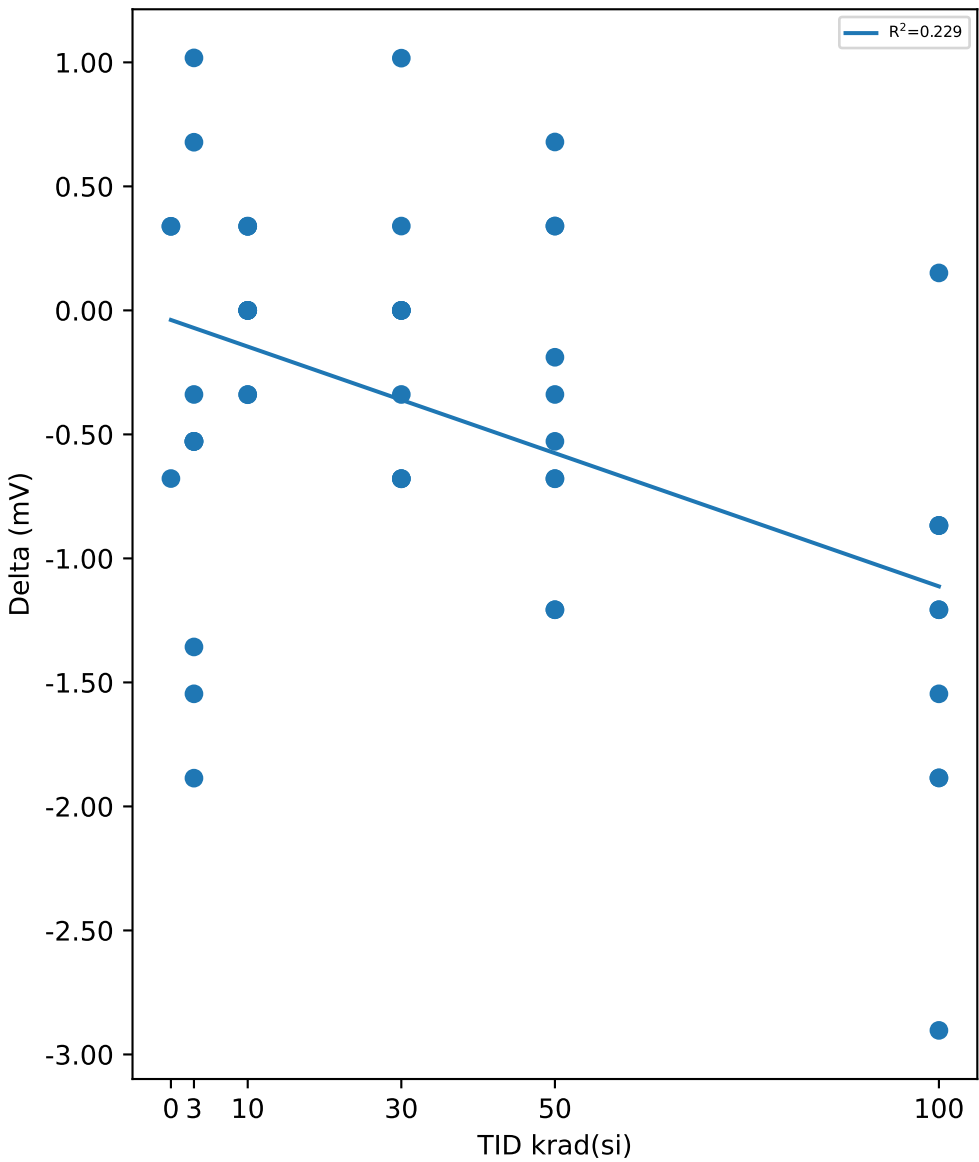
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 599.8      | 600.14      | 0.339  |
| 301      | 0        | Correlation         | 600.48     | 599.8       | -0.678 |
| 302      | 0        | Correlation         | 600.14     | 600.48      | 0.339  |
| 303      | 3        | Bias                | 600.33     | 599.8       | -0.528 |
| 304      | 3        | Bias                | 601.01     | 600.48      | -0.529 |
| 305      | 3        | Bias                | 600.33     | 599.8       | -0.528 |
| 306      | 3        | Bias                | 602.03     | 600.14      | -1.886 |
| 307      | 3        | Bias                | 600.33     | 599.8       | -0.528 |
| 308      | 3        | Unbiased            | 600.67     | 599.13      | -1.546 |
| 309      | 3        | Unbiased            | 599.47     | 600.14      | 0.678  |
| 310      | 3        | Unbiased            | 600.82     | 599.47      | -1.357 |
| 311      | 3        | Unbiased            | 598.79     | 599.8       | 1.018  |
| 312      | 3        | Unbiased            | 599.8      | 599.47      | -0.339 |
| 313      | 10       | Bias                | 599.47     | 599.13      | -0.34  |
| 314      | 10       | Bias                | 599.47     | 599.8       | 0.339  |
| 315      | 10       | Bias                | 599.8      | 600.14      | 0.339  |
| 316      | 10       | Bias                | 599.8      | 599.8       | 0      |
| 317      | 10       | Bias                | 599.8      | 599.8       | 0      |
| 318      | 10       | Unbiased            | 600.48     | 600.82      | 0.34   |
| 319      | 10       | Unbiased            | 600.14     | 600.14      | 0      |
| 320      | 10       | Unbiased            | 600.14     | 600.14      | 0      |
| 321      | 10       | Unbiased            | 600.14     | 599.8       | -0.339 |
| 322      | 10       | Unbiased            | 600.48     | 600.48      | 0      |
| 323      | 30       | Bias                | 600.14     | 599.47      | -0.678 |
| 324      | 30       | Bias                | 600.14     | 600.14      | 0      |
| 325      | 30       | Bias                | 601.16     | 600.48      | -0.679 |
| 326      | 30       | Bias                | 599.47     | 600.48      | 1.017  |
| 327      | 30       | Bias                | 599.13     | 599.47      | 0.34   |
| 328      | 30       | Unbiased            | 601.16     | 601.16      | 0      |
| 329      | 30       | Unbiased            | 599.47     | 599.47      | 0      |
| 330      | 30       | Unbiased            | 601.16     | 600.82      | -0.339 |
| 331      | 30       | Unbiased            | 599.47     | 599.47      | 0      |
| 332      | 30       | Unbiased            | 599.8      | 599.13      | -0.679 |
| 333      | 50       | Bias                | 601.5      | 600.82      | -0.678 |
| 334      | 50       | Bias                | 599.13     | 599.47      | 0.34   |
| 335      | 50       | Bias                | 599.13     | 599.8       | 0.679  |
| 336      | 50       | Bias                | 600.48     | 600.14      | -0.339 |
| 337      | 50       | Bias                | 599.8      | 599.13      | -0.679 |
| 338      | 50       | Unbiased            | 600.48     | 600.82      | 0.34   |
| 339      | 50       | Unbiased            | 600.67     | 600.14      | -0.528 |
| 340      | 50       | Unbiased            | 599.99     | 599.8       | -0.189 |
| 341      | 50       | Unbiased            | 600.33     | 599.13      | -1.207 |
| 342      | 50       | Unbiased            | 601.35     | 600.14      | -1.207 |
| 343      | 100      | Bias                | 601.01     | 600.14      | -0.868 |
| 344      | 100      | Bias                | 599.65     | 599.8       | 0.151  |
| 345      | 100      | Bias                | 600.67     | 599.13      | -1.546 |
| 346      | 100      | Bias                | 600.33     | 599.47      | -0.867 |
| 347      | 100      | Bias                | 602.71     | 600.82      | -1.885 |
| 348      | 100      | Unbiased            | 601.01     | 598.11      | -2.903 |
| 349      | 100      | Unbiased            | 599.99     | 598.79      | -1.207 |
| 350      | 100      | Unbiased            | 601.69     | 599.8       | -1.885 |
| 351      | 100      | Unbiased            | 599.32     | 598.45      | -0.867 |
| 352      | 100      | Unbiased            | 601.69     | 600.48      | -1.207 |

TID vs Post - Pre Exposure Delta

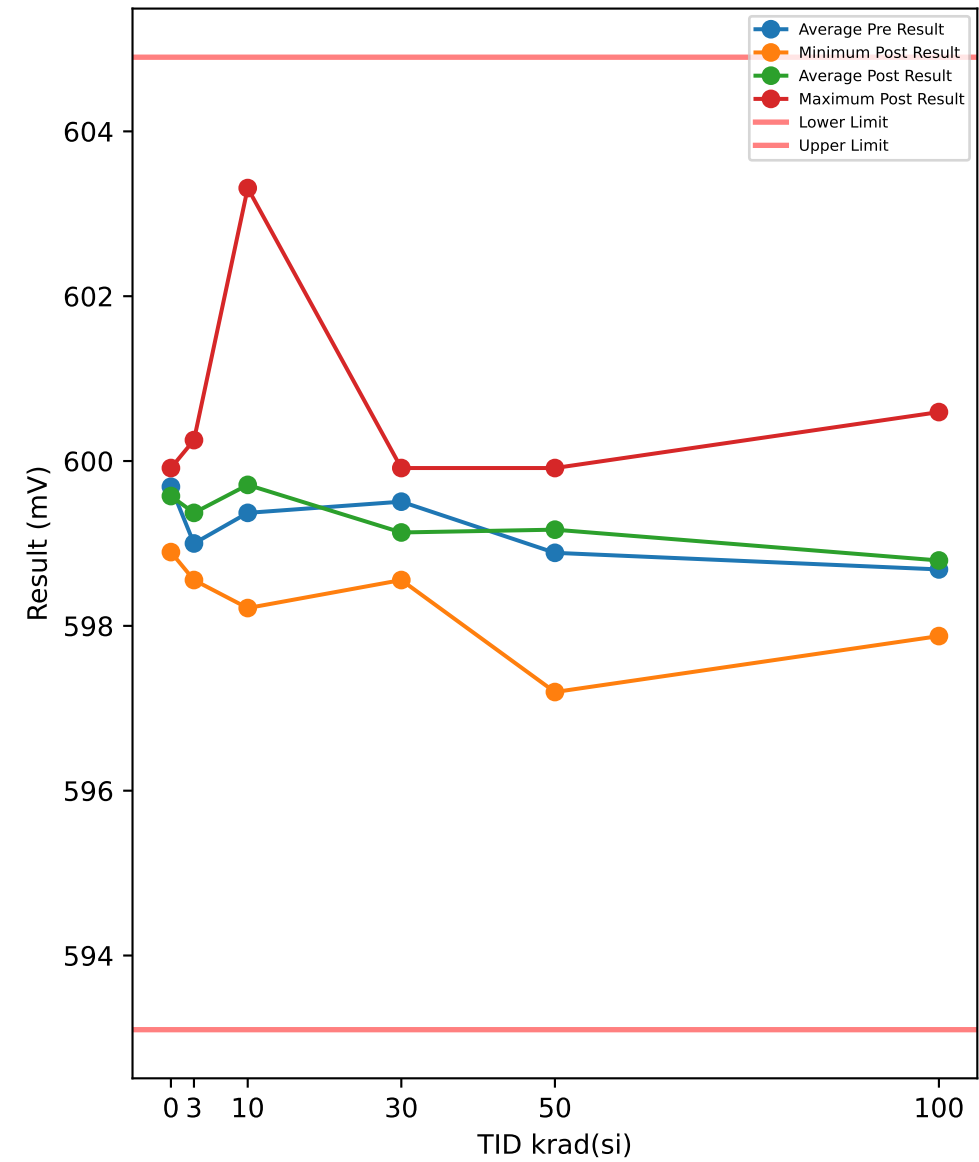


Test Statistics (mV)

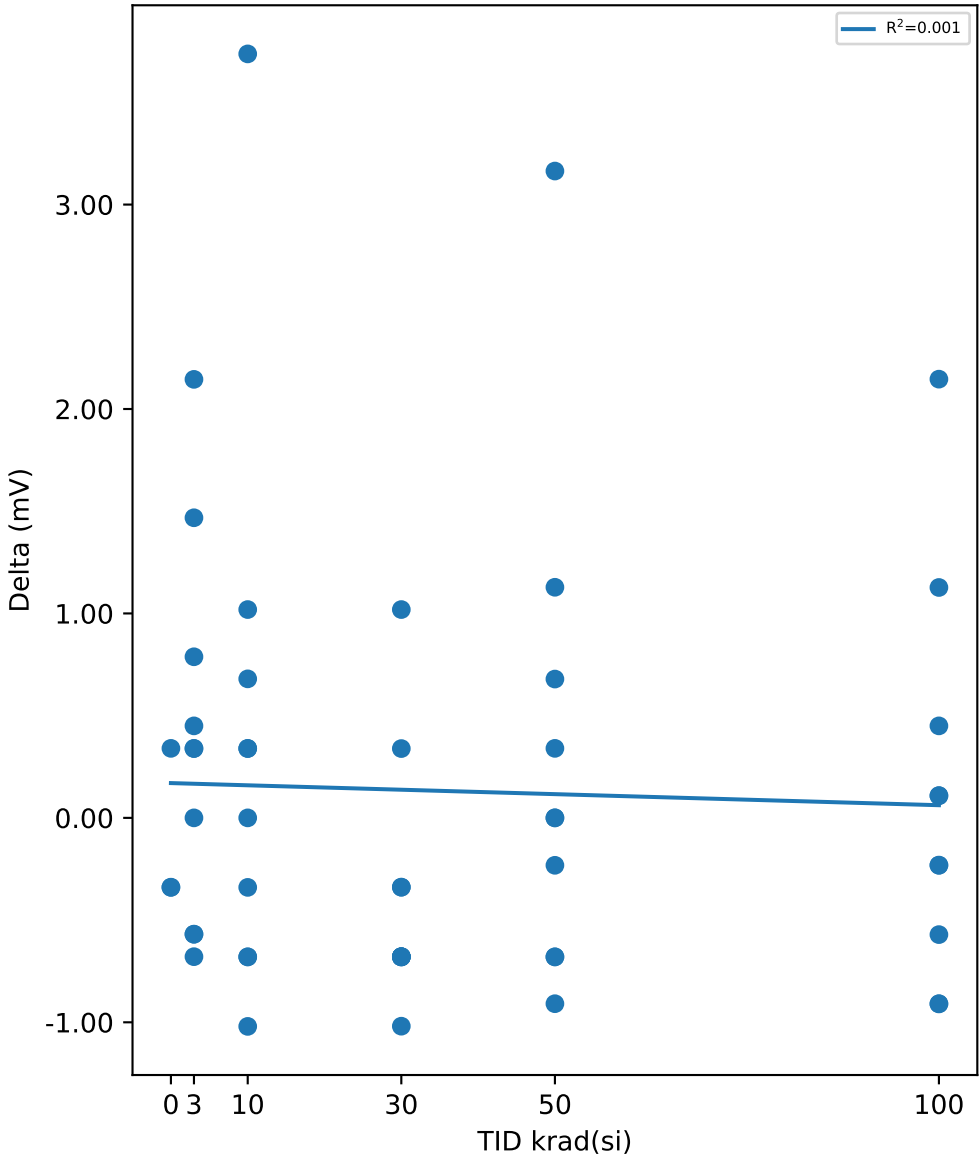
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 599.8            | 600.14           | 600.48           | 0.339            | 599.8             | 600.14            | 600.48            | 0.339             | -0.678    | 0         | 0.339     | 0.58717   |
| 3        | 598.79           | 600.36           | 602.03           | 0.88879          | 599.13            | 599.8             | 600.48            | 0.39164           | -1.886    | -0.5545   | 1.018     | 0.90927   |
| 10       | 599.47           | 599.97           | 600.48           | 0.36616          | 599.13            | 600.01            | 600.82            | 0.45803           | -0.34     | 0.0339    | 0.34      | 0.25044   |
| 30       | 599.13           | 600.11           | 601.16           | 0.79077          | 599.13            | 600.01            | 601.16            | 0.70069           | -0.679    | -0.1018   | 1.017     | 0.53155   |
| 50       | 599.13           | 600.29           | 601.5            | 0.80602          | 599.13            | 599.94            | 600.82            | 0.60282           | -1.207    | -0.3468   | 0.679     | 0.64579   |
| 100      | 599.32           | 600.81           | 602.71           | 1.039            | 598.11            | 599.5             | 600.82            | 0.88245           | -2.903    | -1.3084   | 0.151     | 0.81637   |

Device Test: 13.17 ; VTH\_SENSE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

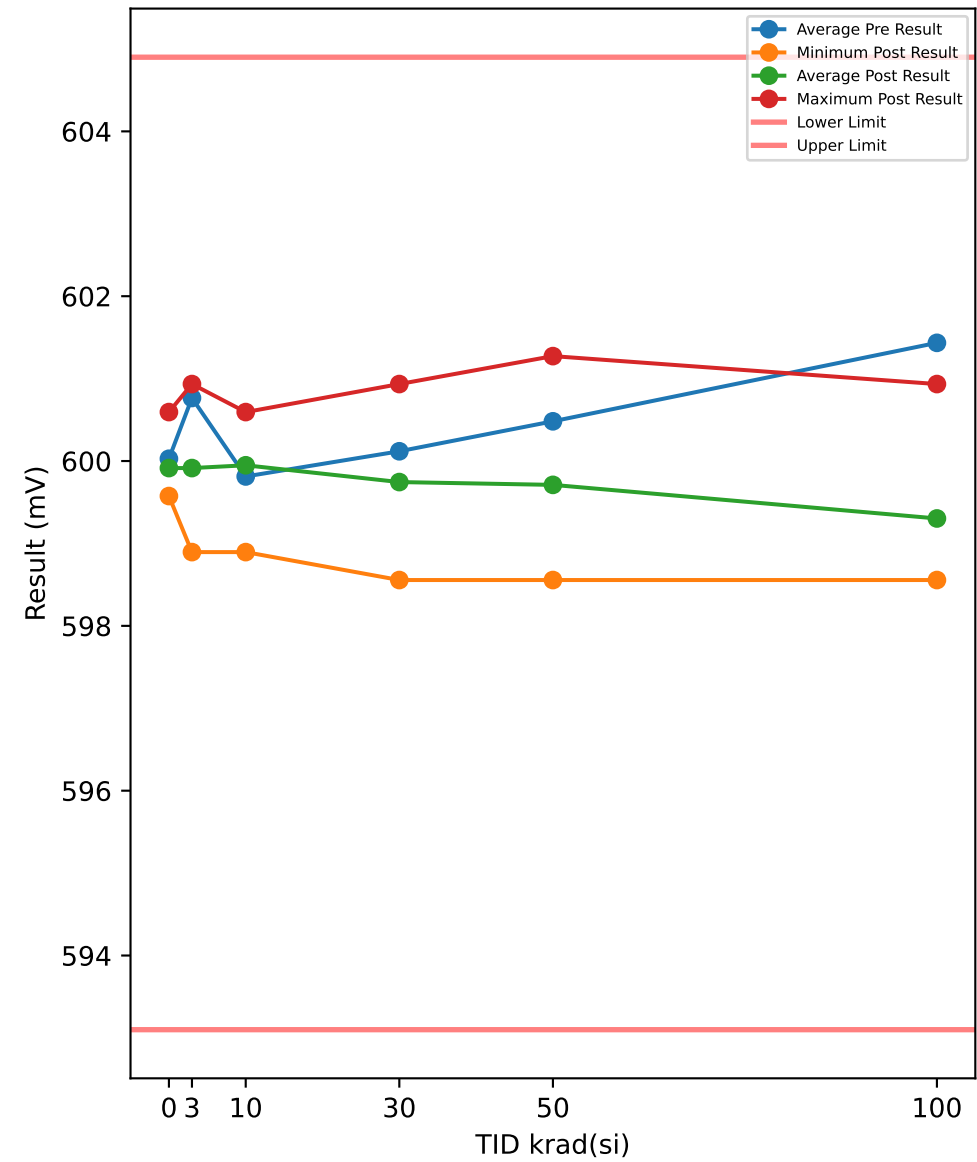
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 600.25     | 599.91      | -0.339 |
| 301      | 0        | Correlation         | 599.58     | 599.91      | 0.34   |
| 302      | 0        | Correlation         | 599.24     | 598.89      | -0.34  |
| 303      | 3        | Bias                | 596.75     | 598.89      | 2.145  |
| 304      | 3        | Bias                | 600.14     | 599.58      | -0.569 |
| 305      | 3        | Bias                | 599.47     | 599.91      | 0.45   |
| 306      | 3        | Bias                | 600.14     | 599.58      | -0.569 |
| 307      | 3        | Bias                | 598.45     | 599.24      | 0.788  |
| 308      | 3        | Unbiased            | 598.79     | 600.25      | 1.468  |
| 309      | 3        | Unbiased            | 598.56     | 598.89      | 0.339  |
| 310      | 3        | Unbiased            | 599.58     | 599.58      | 0      |
| 311      | 3        | Unbiased            | 598.89     | 599.24      | 0.34   |
| 312      | 3        | Unbiased            | 599.24     | 598.56      | -0.679 |
| 313      | 10       | Bias                | 598.89     | 598.89      | 0      |
| 314      | 10       | Bias                | 598.56     | 598.89      | 0.339  |
| 315      | 10       | Bias                | 599.91     | 599.24      | -0.68  |
| 316      | 10       | Bias                | 599.91     | 598.89      | -1.02  |
| 317      | 10       | Bias                | 599.58     | 598.89      | -0.68  |
| 318      | 10       | Unbiased            | 600.25     | 600.93      | 0.68   |
| 319      | 10       | Unbiased            | 598.56     | 598.22      | -0.34  |
| 320      | 10       | Unbiased            | 599.58     | 603.31      | 3.737  |
| 321      | 10       | Unbiased            | 599.24     | 600.25      | 1.019  |
| 322      | 10       | Unbiased            | 599.24     | 599.58      | 0.34   |
| 323      | 30       | Bias                | 599.58     | 598.56      | -1.019 |
| 324      | 30       | Bias                | 599.24     | 598.56      | -0.679 |
| 325      | 30       | Bias                | 600.25     | 599.58      | -0.679 |
| 326      | 30       | Bias                | 599.58     | 598.89      | -0.68  |
| 327      | 30       | Bias                | 599.58     | 598.89      | -0.68  |
| 328      | 30       | Unbiased            | 600.25     | 599.91      | -0.339 |
| 329      | 30       | Unbiased            | 598.56     | 598.89      | 0.339  |
| 330      | 30       | Unbiased            | 600.25     | 599.91      | -0.339 |
| 331      | 30       | Unbiased            | 599.91     | 599.24      | -0.68  |
| 332      | 30       | Unbiased            | 597.88     | 598.89      | 1.019  |
| 333      | 50       | Bias                | 599.91     | 599.91      | 0      |
| 334      | 50       | Bias                | 598.56     | 599.24      | 0.679  |
| 335      | 50       | Bias                | 598.89     | 599.24      | 0.34   |
| 336      | 50       | Bias                | 599.58     | 598.89      | -0.68  |
| 337      | 50       | Bias                | 599.91     | 599.24      | -0.68  |
| 338      | 50       | Unbiased            | 599.91     | 599.91      | 0      |
| 339      | 50       | Unbiased            | 600.14     | 599.24      | -0.909 |
| 340      | 50       | Unbiased            | 596.07     | 599.24      | 3.164  |
| 341      | 50       | Unbiased            | 597.43     | 597.2       | -0.232 |
| 342      | 50       | Unbiased            | 598.45     | 599.58      | 1.128  |
| 343      | 100      | Bias                | 600.14     | 599.24      | -0.909 |
| 344      | 100      | Bias                | 598.11     | 597.88      | -0.232 |
| 345      | 100      | Bias                | 599.8      | 598.89      | -0.91  |
| 346      | 100      | Bias                | 597.77     | 597.88      | 0.108  |
| 347      | 100      | Bias                | 600.14     | 600.59      | 0.45   |
| 348      | 100      | Unbiased            | 598.45     | 598.56      | 0.109  |
| 349      | 100      | Unbiased            | 597.43     | 598.56      | 1.127  |
| 350      | 100      | Unbiased            | 597.43     | 599.58      | 2.146  |
| 351      | 100      | Unbiased            | 598.45     | 597.88      | -0.571 |
| 352      | 100      | Unbiased            | 599.13     | 598.89      | -0.231 |

Test Statistics (mV)

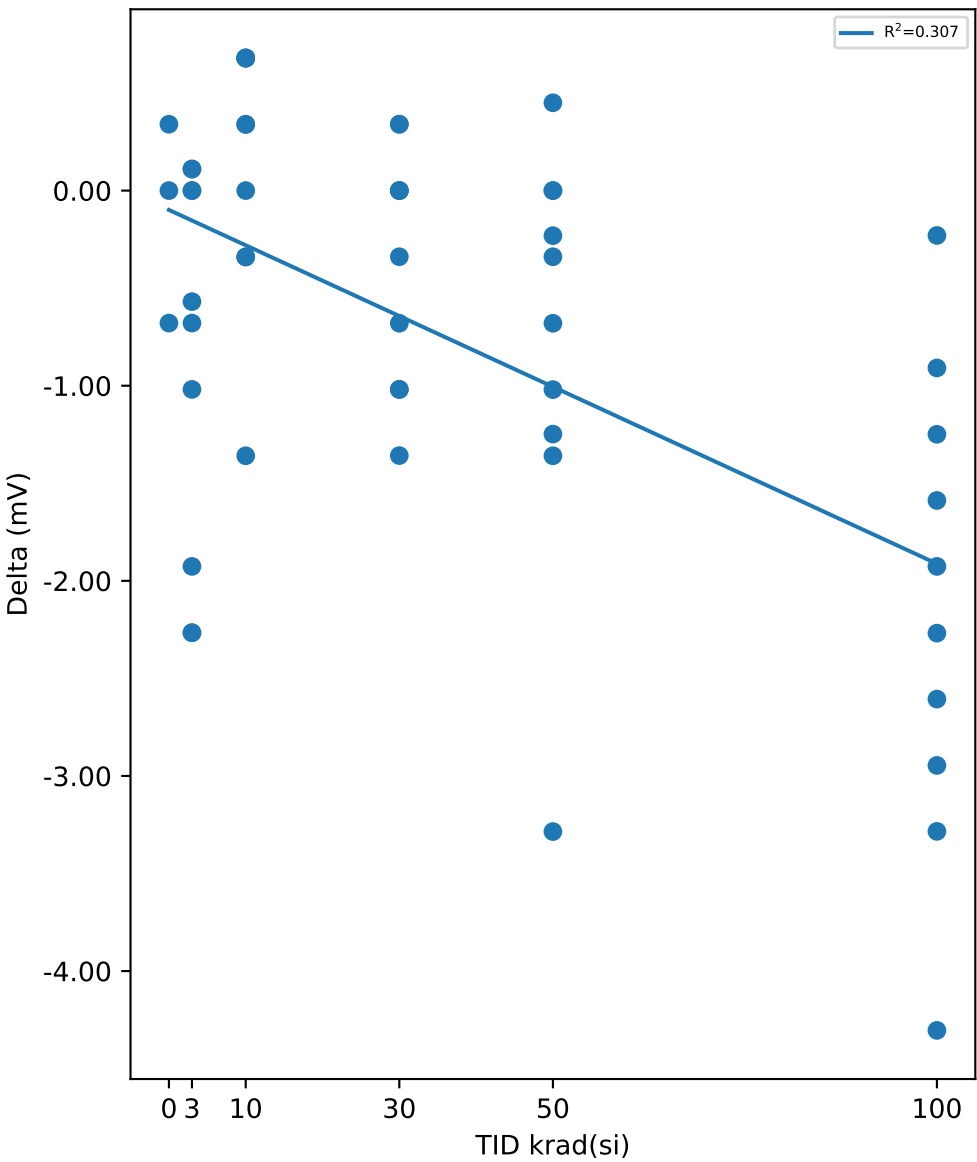
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 599.24           | 599.69           | 600.25           | 0.51881          | 598.89            | 599.57            | 599.91            | 0.5889            | -0.34     | -0.113    | 0.34      | 0.39231   |
| 3        | 596.75           | 599              | 600.14           | 0.99117          | 598.56            | 599.37            | 600.25            | 0.51152           | -0.679    | 0.3713    | 2.145     | 0.9153    |
| 10       | 598.56           | 599.37           | 600.25           | 0.58184          | 598.22            | 599.71            | 603.31            | 1.487             | -1.02     | 0.3395    | 3.737     | 1.3591    |
| 30       | 597.88           | 599.51           | 600.25           | 0.78123          | 598.56            | 599.13            | 599.91            | 0.50785           | -1.019    | -0.3737   | 1.019     | 0.60866   |
| 50       | 596.07           | 598.89           | 600.14           | 1.3158           | 597.2             | 599.17            | 599.91            | 0.76474           | -0.909    | 0.281     | 3.164     | 1.1961    |
| 100      | 597.43           | 598.68           | 600.14           | 1.0619           | 597.88            | 598.79            | 600.59            | 0.86322           | -0.91     | 0.1087    | 2.146     | 0.94698   |

Device Test: 13.18 ; VTH\_SENSE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



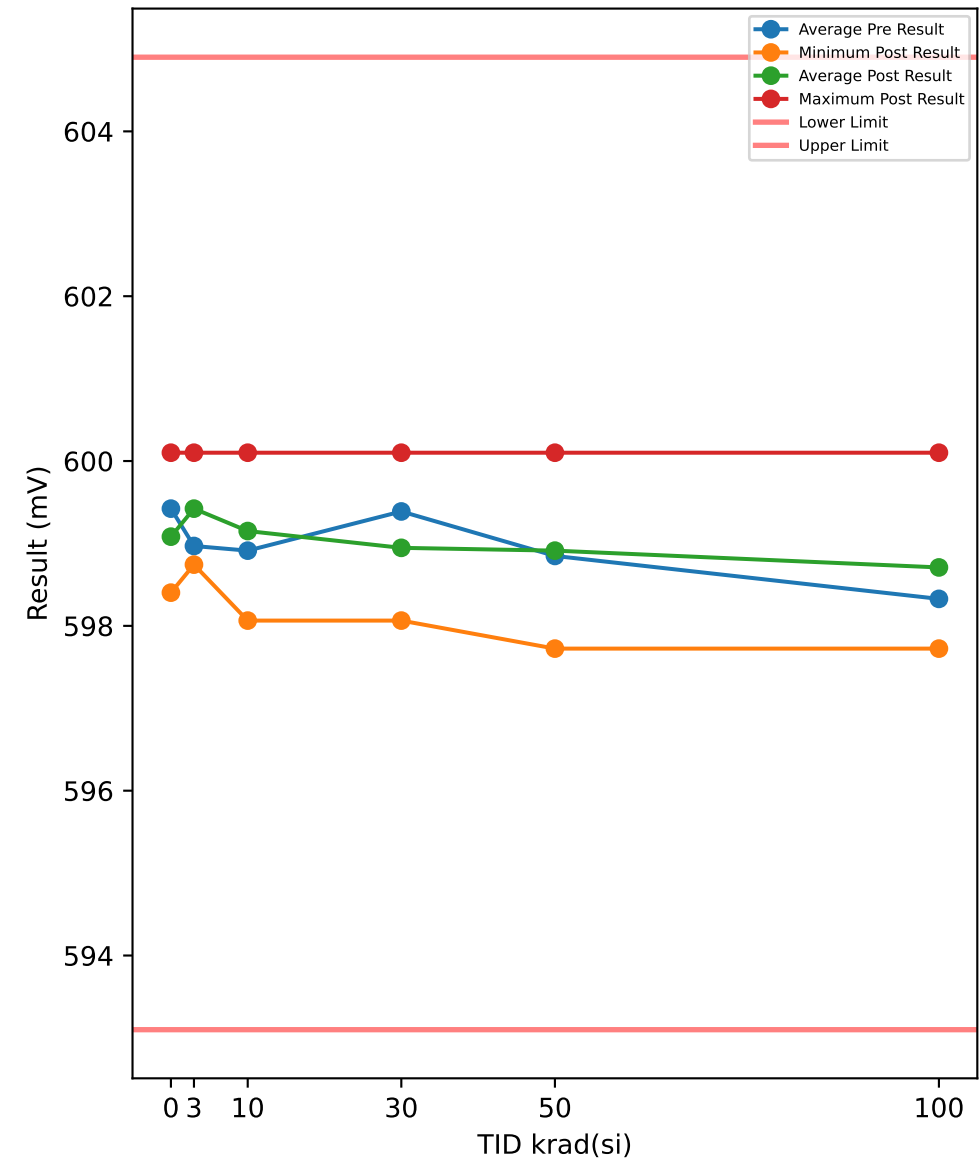
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 600.25     | 599.58      | -0.679 |
| 301      | 0        | Correlation         | 600.59     | 600.59      | 0      |
| 302      | 0        | Correlation         | 599.24     | 599.58      | 0.34   |
| 303      | 3        | Bias                | 600.14     | 599.58      | -0.569 |
| 304      | 3        | Bias                | 601.84     | 599.91      | -1.926 |
| 305      | 3        | Bias                | 602.18     | 599.91      | -2.266 |
| 306      | 3        | Bias                | 600.82     | 600.93      | 0.111  |
| 307      | 3        | Bias                | 602.18     | 599.91      | -2.266 |
| 308      | 3        | Unbiased            | 600.48     | 600.59      | 0.11   |
| 309      | 3        | Unbiased            | 600.59     | 600.59      | 0      |
| 310      | 3        | Unbiased            | 600.25     | 599.58      | -0.679 |
| 311      | 3        | Unbiased            | 600.25     | 599.24      | -1.019 |
| 312      | 3        | Unbiased            | 598.89     | 598.89      | 0      |
| 313      | 10       | Bias                | 599.24     | 599.91      | 0.68   |
| 314      | 10       | Bias                | 599.58     | 599.91      | 0.34   |
| 315      | 10       | Bias                | 600.25     | 600.25      | 0      |
| 316      | 10       | Bias                | 600.59     | 599.24      | -1.359 |
| 317      | 10       | Bias                | 599.58     | 599.24      | -0.34  |
| 318      | 10       | Unbiased            | 600.93     | 600.59      | -0.34  |
| 319      | 10       | Unbiased            | 598.22     | 598.89      | 0.679  |
| 320      | 10       | Unbiased            | 599.91     | 600.59      | 0.679  |
| 321      | 10       | Unbiased            | 599.91     | 600.25      | 0.339  |
| 322      | 10       | Unbiased            | 599.91     | 600.59      | 0.679  |
| 323      | 30       | Bias                | 600.25     | 599.24      | -1.019 |
| 324      | 30       | Bias                | 599.58     | 598.56      | -1.019 |
| 325      | 30       | Bias                | 600.25     | 600.25      | 0      |
| 326      | 30       | Bias                | 599.58     | 599.58      | 0      |
| 327      | 30       | Bias                | 600.25     | 599.91      | -0.339 |
| 328      | 30       | Unbiased            | 601.27     | 599.91      | -1.358 |
| 329      | 30       | Unbiased            | 598.89     | 599.24      | 0.34   |
| 330      | 30       | Unbiased            | 600.93     | 600.93      | 0      |
| 331      | 30       | Unbiased            | 600.25     | 600.59      | 0.34   |
| 332      | 30       | Unbiased            | 599.91     | 599.24      | -0.68  |
| 333      | 50       | Bias                | 600.25     | 599.91      | -0.339 |
| 334      | 50       | Bias                | 599.58     | 599.58      | 0      |
| 335      | 50       | Bias                | 599.91     | 598.56      | -1.359 |
| 336      | 50       | Bias                | 599.91     | 599.24      | -0.68  |
| 337      | 50       | Bias                | 599.91     | 598.89      | -1.02  |
| 338      | 50       | Unbiased            | 601.27     | 601.27      | 0      |
| 339      | 50       | Unbiased            | 601.16     | 599.91      | -1.248 |
| 340      | 50       | Unbiased            | 602.86     | 599.58      | -3.285 |
| 341      | 50       | Unbiased            | 599.13     | 598.89      | -0.231 |
| 342      | 50       | Unbiased            | 600.82     | 601.27      | 0.45   |
| 343      | 100      | Bias                | 603.54     | 599.24      | -4.304 |
| 344      | 100      | Bias                | 599.47     | 598.56      | -0.909 |
| 345      | 100      | Bias                | 601.84     | 599.24      | -2.606 |
| 346      | 100      | Bias                | 600.14     | 598.56      | -1.588 |
| 347      | 100      | Bias                | 604.22     | 600.93      | -3.284 |
| 348      | 100      | Unbiased            | 602.18     | 599.24      | -2.946 |
| 349      | 100      | Unbiased            | 599.47     | 599.24      | -0.23  |
| 350      | 100      | Unbiased            | 601.84     | 599.91      | -1.926 |
| 351      | 100      | Unbiased            | 600.48     | 599.24      | -1.249 |
| 352      | 100      | Unbiased            | 601.16     | 598.89      | -2.268 |

Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 599.24           | 600.03           | 600.59           | 0.70721          | 599.58            | 599.91            | 600.59            | 0.58832           | -0.679    | -0.113    | 0.34      | 0.51881   |
| 3        | 598.89           | 600.77           | 602.18           | 1.0373           | 598.89            | 599.91            | 600.93            | 0.6407            | -2.266    | -0.8504   | 0.111     | 0.97723   |
| 10       | 598.22           | 599.81           | 600.93           | 0.75204          | 598.89            | 599.95            | 600.59            | 0.62955           | -1.359    | 0.1357    | 0.68      | 0.66416   |
| 30       | 598.89           | 600.12           | 601.27           | 0.68317          | 598.56            | 599.74            | 600.93            | 0.72067           | -1.358    | -0.3735   | 0.34      | 0.60868   |
| 50       | 599.13           | 600.48           | 602.86           | 1.0821           | 598.56            | 599.71            | 601.27            | 0.93644           | -3.285    | -0.7712   | 0.45      | 1.0605    |
| 100      | 599.47           | 601.43           | 604.22           | 1.6147           | 598.56            | 599.3             | 600.93            | 0.69445           | -4.304    | -2.131    | -0.23     | 1.2102    |

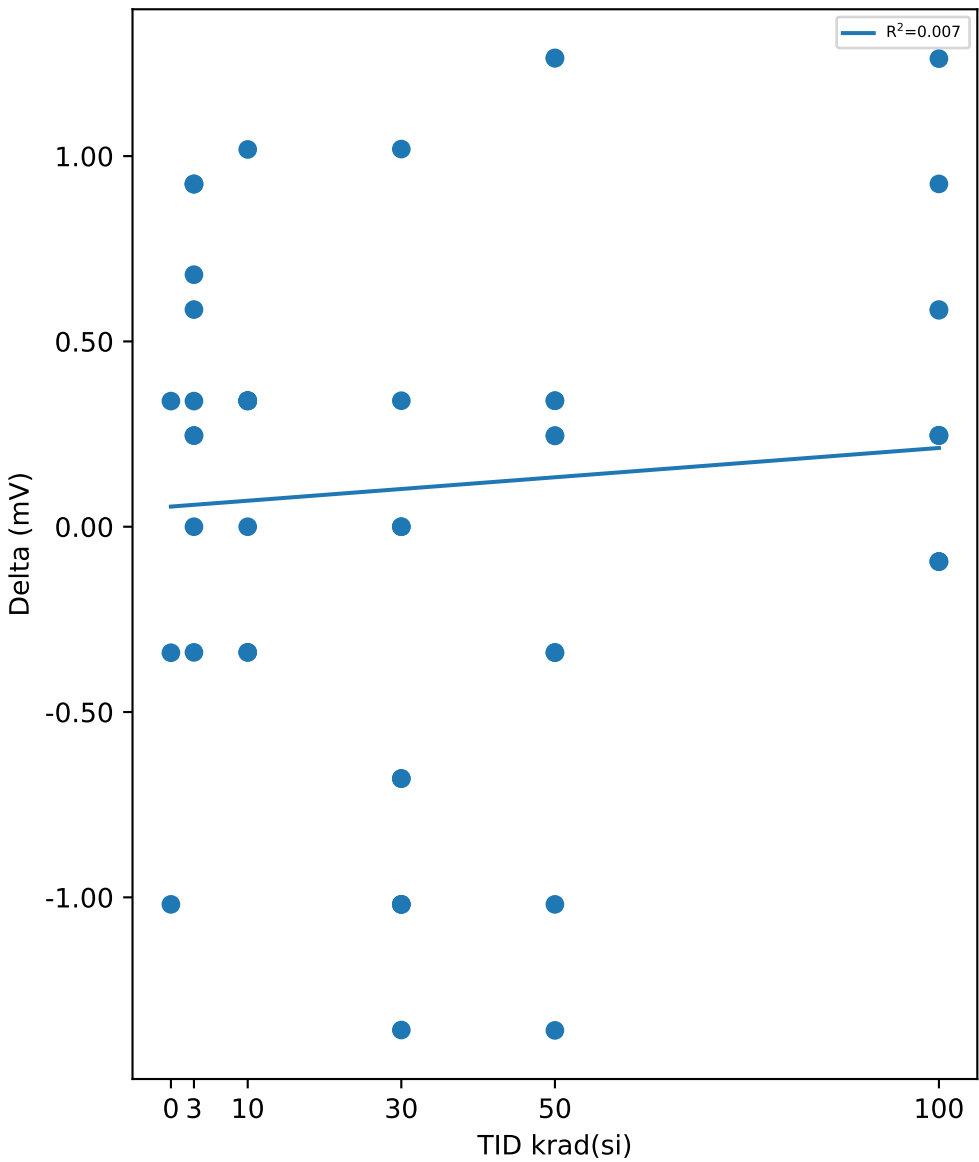
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 599.76     | 598.74      | -1.019 |
| 301      | 0        | Correlation         | 599.76     | 600.1       | 0.339  |
| 302      | 0        | Correlation         | 598.74     | 598.4       | -0.34  |
| 303      | 3        | Bias                | 598.5      | 599.42      | 0.925  |
| 304      | 3        | Bias                | 598.84     | 599.08      | 0.246  |
| 305      | 3        | Bias                | 598.84     | 599.08      | 0.246  |
| 306      | 3        | Bias                | 599.18     | 599.76      | 0.586  |
| 307      | 3        | Bias                | 599.18     | 600.1       | 0.925  |
| 308      | 3        | Unbiased            | 597.82     | 598.74      | 0.924  |
| 309      | 3        | Unbiased            | 599.76     | 600.1       | 0.339  |
| 310      | 3        | Unbiased            | 599.42     | 599.08      | -0.339 |
| 311      | 3        | Unbiased            | 599.76     | 599.76      | 0      |
| 312      | 3        | Unbiased            | 598.4      | 599.08      | 0.68   |
| 313      | 10       | Bias                | 598.4      | 598.06      | -0.339 |
| 314      | 10       | Bias                | 599.08     | 600.1       | 1.018  |
| 315      | 10       | Bias                | 598.4      | 598.74      | 0.34   |
| 316      | 10       | Bias                | 599.42     | 599.76      | 0.34   |
| 317      | 10       | Bias                | 598.74     | 599.08      | 0.34   |
| 318      | 10       | Unbiased            | 599.76     | 600.1       | 0.339  |
| 319      | 10       | Unbiased            | 598.4      | 598.74      | 0.34   |
| 320      | 10       | Unbiased            | 599.42     | 599.08      | -0.339 |
| 321      | 10       | Unbiased            | 598.74     | 598.74      | 0      |
| 322      | 10       | Unbiased            | 598.74     | 599.08      | 0.34   |
| 323      | 30       | Bias                | 599.08     | 599.08      | 0      |
| 324      | 30       | Bias                | 598.4      | 599.42      | 1.019  |
| 325      | 30       | Bias                | 600.44     | 599.42      | -1.019 |
| 326      | 30       | Bias                | 598.74     | 598.06      | -0.679 |
| 327      | 30       | Bias                | 599.42     | 598.4       | -1.019 |
| 328      | 30       | Unbiased            | 600.1      | 600.1       | 0      |
| 329      | 30       | Unbiased            | 599.08     | 598.4       | -0.68  |
| 330      | 30       | Unbiased            | 600.44     | 599.42      | -1.019 |
| 331      | 30       | Unbiased            | 599.42     | 598.06      | -1.358 |
| 332      | 30       | Unbiased            | 598.74     | 599.08      | 0.34   |
| 333      | 50       | Bias                | 599.08     | 598.74      | -0.34  |
| 334      | 50       | Bias                | 598.4      | 598.74      | 0.34   |
| 335      | 50       | Bias                | 599.08     | 597.72      | -1.359 |
| 336      | 50       | Bias                | 599.42     | 599.08      | -0.339 |
| 337      | 50       | Bias                | 599.42     | 598.4       | -1.019 |
| 338      | 50       | Unbiased            | 599.42     | 599.76      | 0.34   |
| 339      | 50       | Unbiased            | 598.5      | 598.74      | 0.246  |
| 340      | 50       | Unbiased            | 598.5      | 599.76      | 1.265  |
| 341      | 50       | Unbiased            | 597.82     | 598.06      | 0.245  |
| 342      | 50       | Unbiased            | 598.84     | 600.1       | 1.264  |
| 343      | 100      | Bias                | 598.5      | 598.74      | 0.246  |
| 344      | 100      | Bias                | 597.14     | 598.4       | 1.263  |
| 345      | 100      | Bias                | 598.5      | 598.74      | 0.246  |
| 346      | 100      | Bias                | 598.5      | 598.4       | -0.094 |
| 347      | 100      | Bias                | 599.85     | 600.1       | 0.247  |
| 348      | 100      | Unbiased            | 598.84     | 598.74      | -0.094 |
| 349      | 100      | Unbiased            | 597.14     | 597.72      | 0.584  |
| 350      | 100      | Unbiased            | 598.5      | 599.08      | 0.586  |
| 351      | 100      | Unbiased            | 598.16     | 598.06      | -0.094 |
| 352      | 100      | Unbiased            | 598.16     | 599.08      | 0.925  |

TID vs Post - Pre Exposure Delta

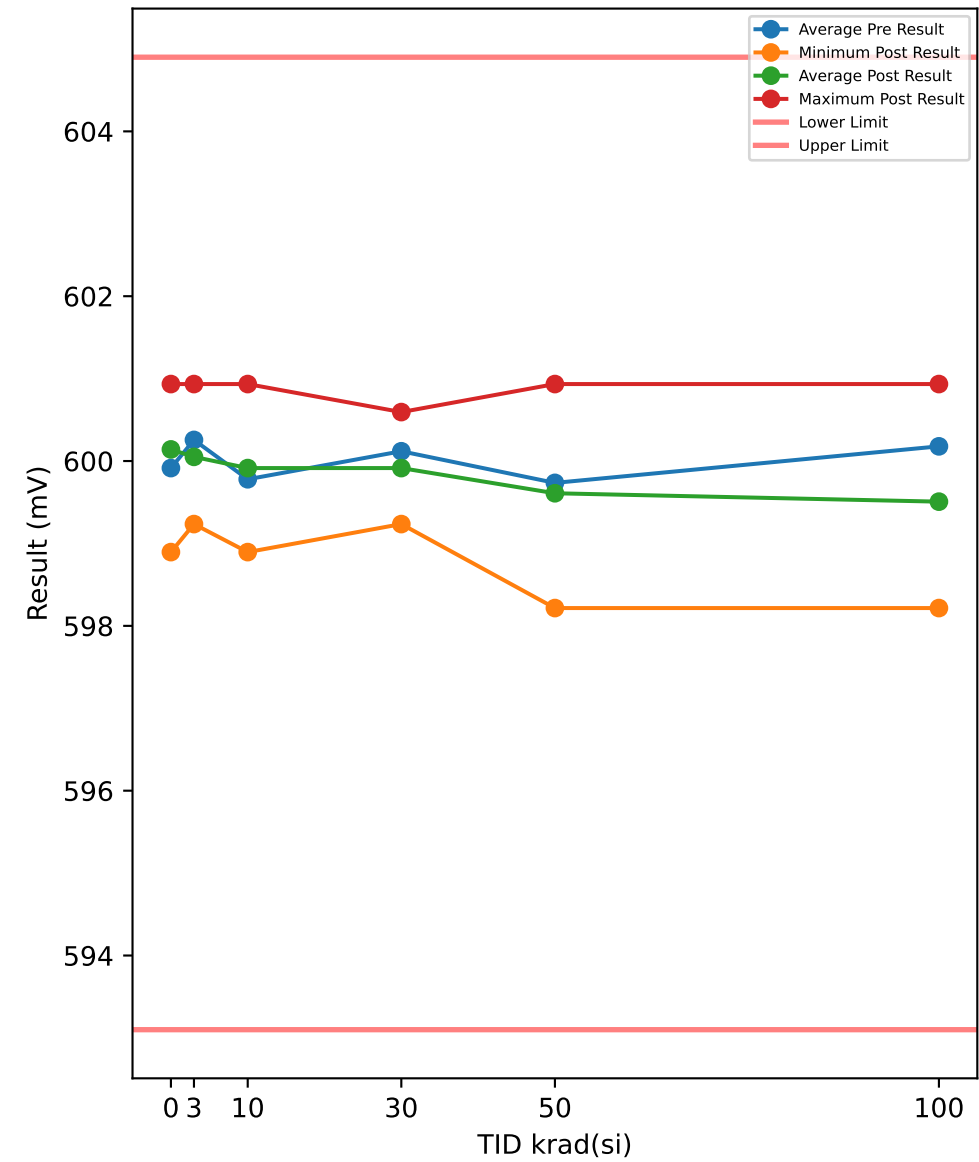


Test Statistics (mV)

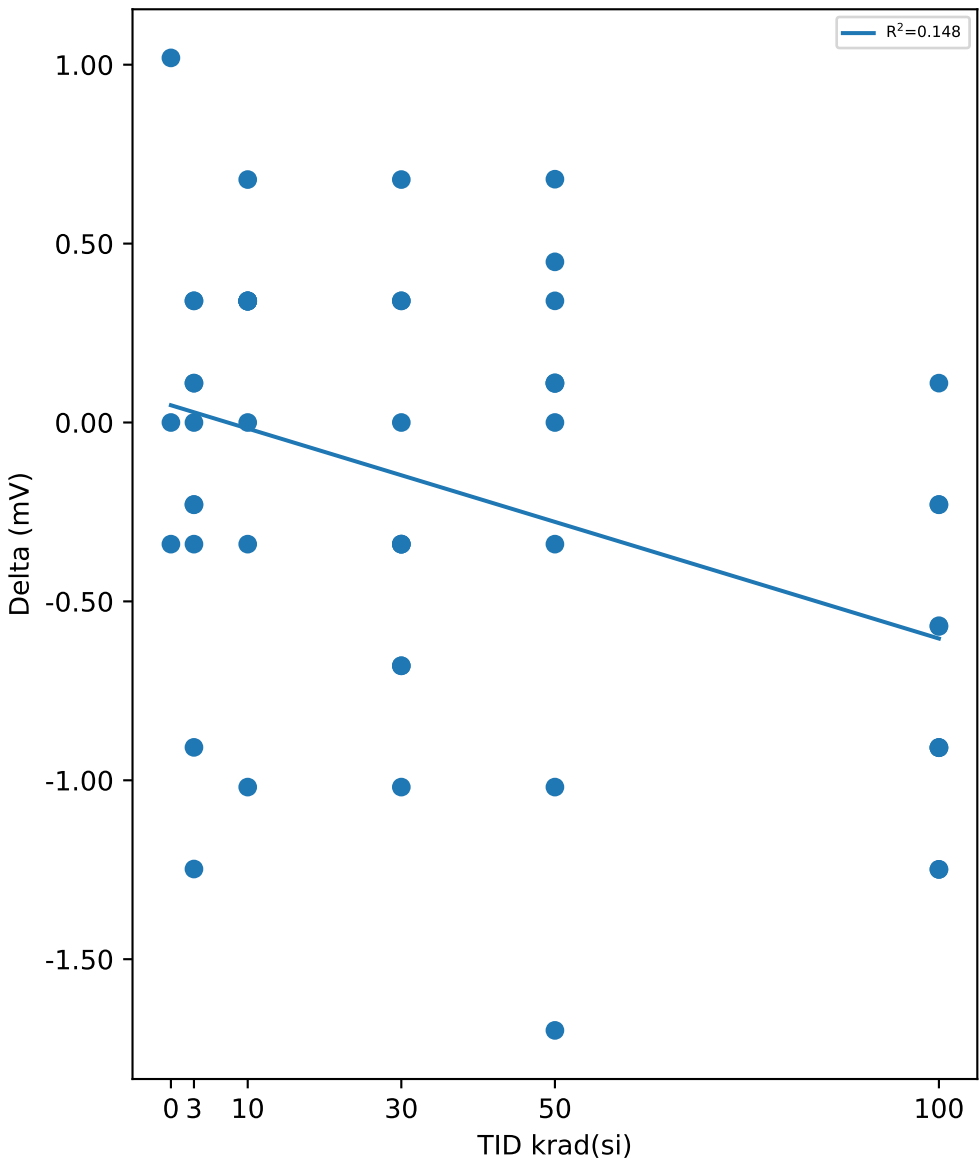
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 598.74           | 599.42           | 599.76           | 0.58832          | 598.4             | 599.08            | 600.1             | 0.89842           | -1.019    | -0.34     | 0.339     | 0.679     |
| 3        | 597.82           | 598.97           | 599.76           | 0.61906          | 598.74            | 599.42            | 600.1             | 0.48005           | -0.339    | 0.4532    | 0.925     | 0.43048   |
| 10       | 598.4            | 598.91           | 599.76           | 0.48704          | 598.06            | 599.15            | 600.1             | 0.65601           | -0.339    | 0.2379    | 1.018     | 0.39344   |
| 30       | 598.4            | 599.39           | 600.44           | 0.72393          | 598.06            | 598.95            | 600.1             | 0.68287           | -1.358    | -0.4415   | 1.019     | 0.75184   |
| 50       | 597.82           | 598.85           | 599.42           | 0.53772          | 597.72            | 598.91            | 600.1             | 0.77195           | -1.359    | 0.0643    | 1.265     | 0.85791   |
| 100      | 597.14           | 598.33           | 599.85           | 0.78758          | 597.72            | 598.71            | 600.1             | 0.64931           | -0.094    | 0.3815    | 1.263     | 0.45806   |



TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

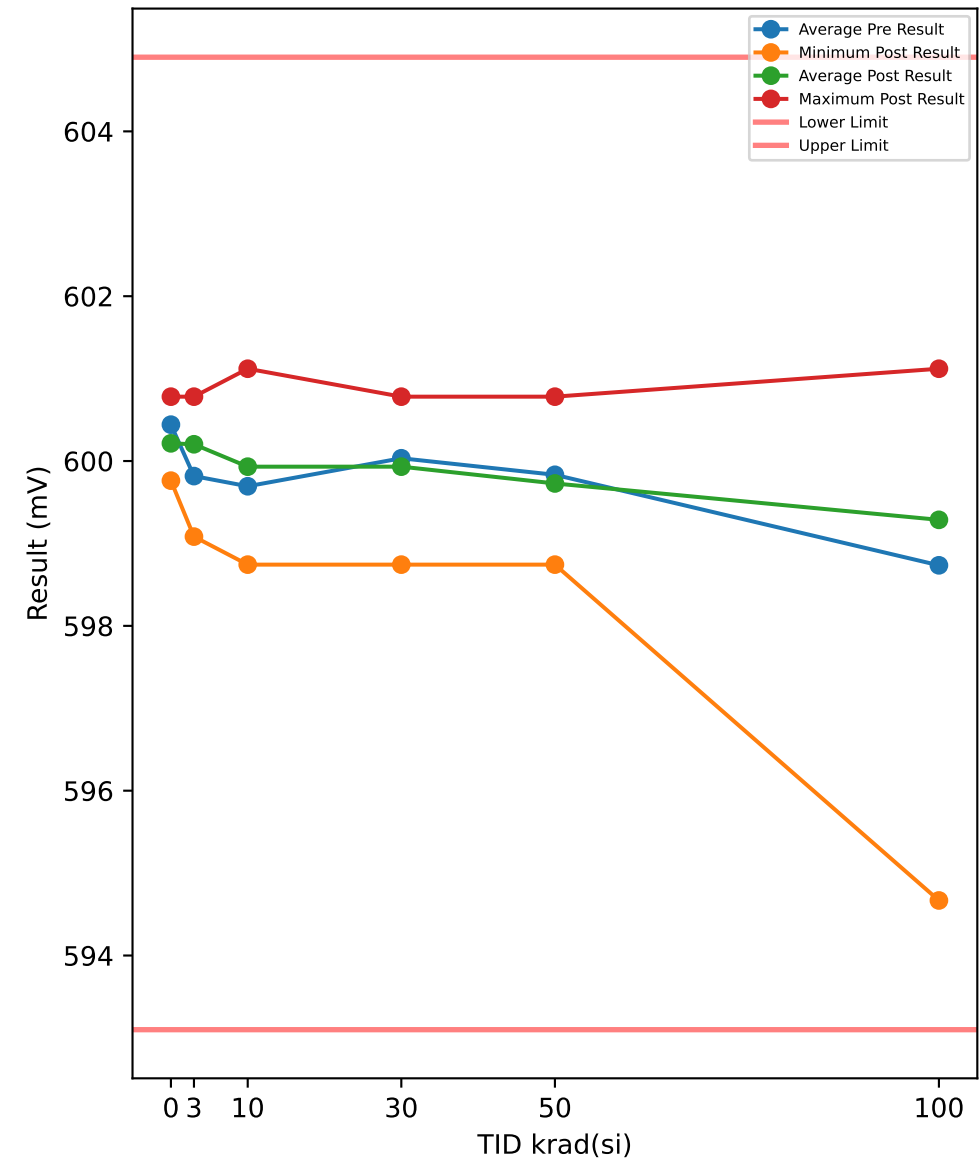
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 600.59     | 600.59      | 0      |
| 301      | 0        | Correlation         | 599.91     | 600.93      | 1.019  |
| 302      | 0        | Correlation         | 599.24     | 598.89      | -0.34  |
| 303      | 3        | Bias                | 599.47     | 599.58      | 0.11   |
| 304      | 3        | Bias                | 600.48     | 600.25      | -0.23  |
| 305      | 3        | Bias                | 600.82     | 599.58      | -1.248 |
| 306      | 3        | Bias                | 601.5      | 600.59      | -0.908 |
| 307      | 3        | Bias                | 599.8      | 599.91      | 0.11   |
| 308      | 3        | Unbiased            | 601.16     | 600.93      | -0.229 |
| 309      | 3        | Unbiased            | 599.58     | 599.91      | 0.34   |
| 310      | 3        | Unbiased            | 600.59     | 600.93      | 0.34   |
| 311      | 3        | Unbiased            | 599.58     | 599.58      | 0      |
| 312      | 3        | Unbiased            | 599.58     | 599.24      | -0.34  |
| 313      | 10       | Bias                | 598.56     | 598.89      | 0.339  |
| 314      | 10       | Bias                | 599.58     | 599.91      | 0.34   |
| 315      | 10       | Bias                | 599.91     | 600.59      | 0.679  |
| 316      | 10       | Bias                | 600.59     | 600.25      | -0.34  |
| 317      | 10       | Bias                | 598.89     | 599.24      | 0.34   |
| 318      | 10       | Unbiased            | 600.59     | 600.93      | 0.34   |
| 319      | 10       | Unbiased            | 598.56     | 598.89      | 0.339  |
| 320      | 10       | Unbiased            | 599.91     | 600.25      | 0.339  |
| 321      | 10       | Unbiased            | 600.59     | 599.58      | -1.019 |
| 322      | 10       | Unbiased            | 600.59     | 600.59      | 0      |
| 323      | 30       | Bias                | 599.91     | 599.91      | 0      |
| 324      | 30       | Bias                | 599.58     | 599.24      | -0.34  |
| 325      | 30       | Bias                | 600.59     | 599.58      | -1.019 |
| 326      | 30       | Bias                | 599.58     | 599.91      | 0.34   |
| 327      | 30       | Bias                | 600.59     | 600.25      | -0.34  |
| 328      | 30       | Unbiased            | 599.91     | 600.59      | 0.679  |
| 329      | 30       | Unbiased            | 599.91     | 599.24      | -0.68  |
| 330      | 30       | Unbiased            | 600.25     | 600.59      | 0.34   |
| 331      | 30       | Unbiased            | 600.93     | 600.59      | -0.34  |
| 332      | 30       | Unbiased            | 599.91     | 599.24      | -0.68  |
| 333      | 50       | Bias                | 599.91     | 599.58      | -0.34  |
| 334      | 50       | Bias                | 598.89     | 599.58      | 0.68   |
| 335      | 50       | Bias                | 599.91     | 598.22      | -1.699 |
| 336      | 50       | Bias                | 599.58     | 598.56      | -1.019 |
| 337      | 50       | Bias                | 599.91     | 599.91      | 0      |
| 338      | 50       | Unbiased            | 600.59     | 600.93      | 0.34   |
| 339      | 50       | Unbiased            | 600.14     | 600.25      | 0.11   |
| 340      | 50       | Unbiased            | 599.13     | 599.58      | 0.449  |
| 341      | 50       | Unbiased            | 598.45     | 598.56      | 0.109  |
| 342      | 50       | Unbiased            | 600.82     | 600.93      | 0.111  |
| 343      | 100      | Bias                | 600.48     | 599.58      | -0.909 |
| 344      | 100      | Bias                | 599.47     | 598.22      | -1.249 |
| 345      | 100      | Bias                | 599.8      | 599.91      | 0.11   |
| 346      | 100      | Bias                | 600.14     | 599.24      | -0.909 |
| 347      | 100      | Bias                | 601.5      | 600.93      | -0.568 |
| 348      | 100      | Unbiased            | 599.8      | 599.58      | -0.23  |
| 349      | 100      | Unbiased            | 599.8      | 598.56      | -1.249 |
| 350      | 100      | Unbiased            | 600.82     | 599.91      | -0.908 |
| 351      | 100      | Unbiased            | 599.8      | 599.24      | -0.57  |
| 352      | 100      | Unbiased            | 600.14     | 599.91      | -0.229 |

Test Statistics (mV)

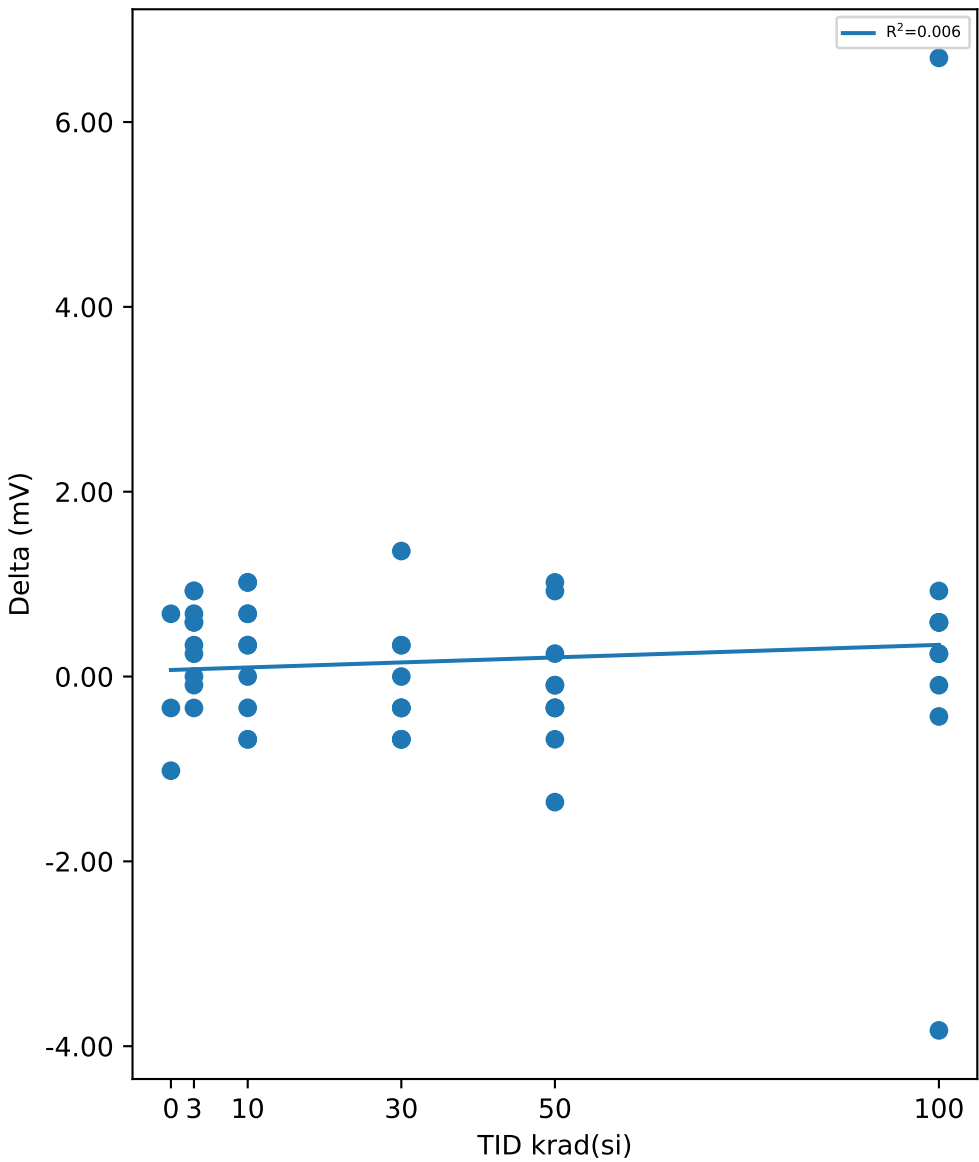
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 599.24           | 599.91           | 600.59           | 0.6795           | 598.89            | 600.14            | 600.93            | 1.0924            | -0.34     | 0.22633   | 1.019     | 0.70721   |
| 3        | 599.47           | 600.26           | 601.5            | 0.75154          | 599.24            | 600.05            | 600.93            | 0.60351           | -1.248    | -0.2055   | 0.34      | 0.52026   |
| 10       | 598.56           | 599.78           | 600.59           | 0.85039          | 598.89            | 599.91            | 600.93            | 0.73402           | -1.019    | 0.1357    | 0.679     | 0.48562   |
| 30       | 599.58           | 600.12           | 600.93           | 0.4585           | 599.24            | 599.91            | 600.59            | 0.57743           | -1.019    | -0.204    | 0.679     | 0.53604   |
| 50       | 598.45           | 599.73           | 600.82           | 0.7414           | 598.22            | 599.61            | 600.93            | 0.9535            | -1.699    | -0.1259   | 0.68      | 0.72249   |
| 100      | 599.47           | 600.18           | 601.5            | 0.60826          | 598.22            | 599.51            | 600.93            | 0.76478           | -1.249    | -0.6711   | 0.11      | 0.45439   |

Device Test: 13.20 ; VTH\_SENSE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

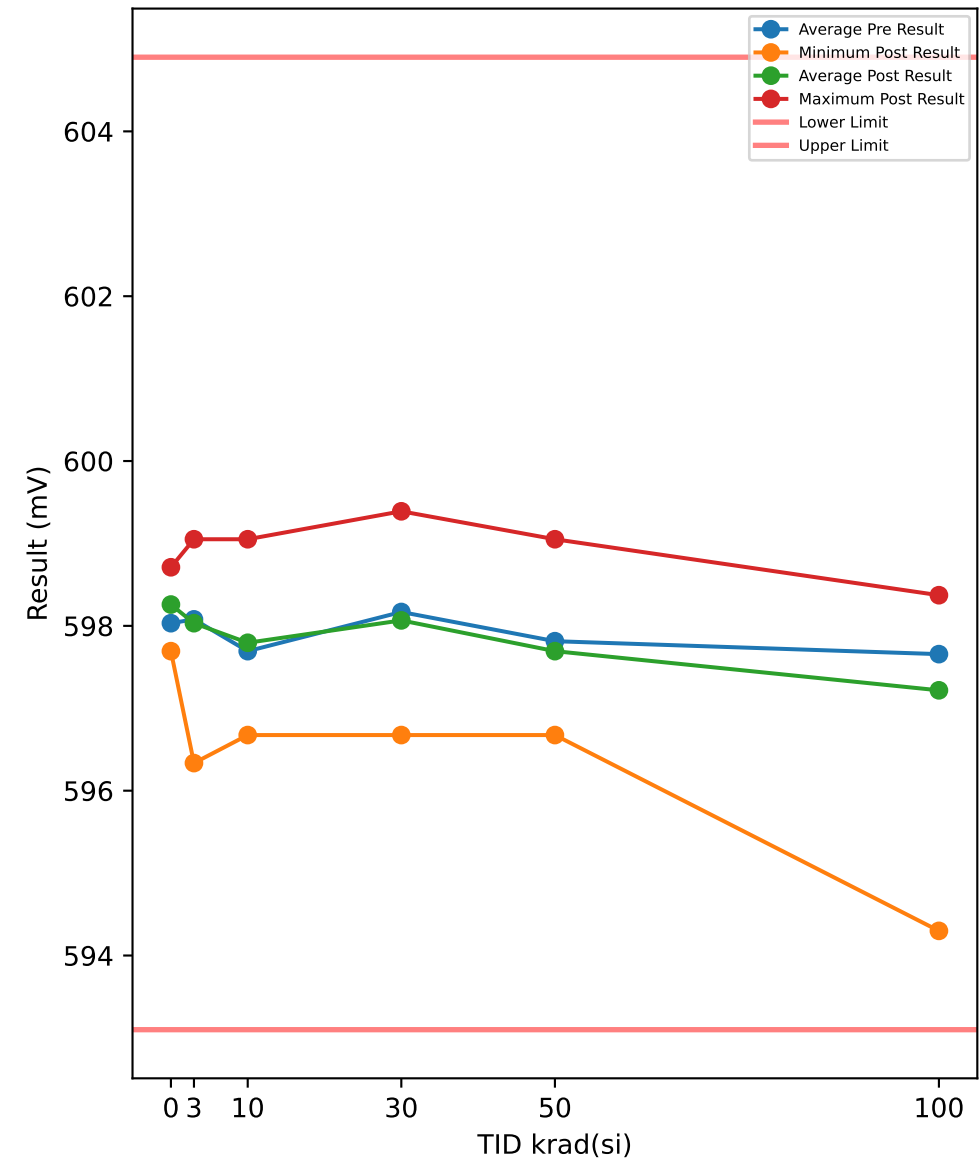
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 600.44     | 600.1       | -0.34  |
| 301      | 0        | Correlation         | 601.8      | 600.78      | -1.019 |
| 302      | 0        | Correlation         | 599.08     | 599.76      | 0.679  |
| 303      | 3        | Bias                | 600.19     | 600.78      | 0.587  |
| 304      | 3        | Bias                | 598.5      | 599.08      | 0.586  |
| 305      | 3        | Bias                | 599.85     | 600.1       | 0.247  |
| 306      | 3        | Bias                | 599.51     | 600.44      | 0.926  |
| 307      | 3        | Bias                | 599.85     | 600.78      | 0.927  |
| 308      | 3        | Unbiased            | 600.19     | 600.1       | -0.093 |
| 309      | 3        | Unbiased            | 600.1      | 600.1       | 0      |
| 310      | 3        | Unbiased            | 600.1      | 600.78      | 0.68   |
| 311      | 3        | Unbiased            | 600.44     | 600.1       | -0.34  |
| 312      | 3        | Unbiased            | 599.42     | 599.76      | 0.34   |
| 313      | 10       | Bias                | 598.74     | 599.42      | 0.679  |
| 314      | 10       | Bias                | 600.78     | 600.1       | -0.68  |
| 315      | 10       | Bias                | 599.08     | 600.1       | 1.018  |
| 316      | 10       | Bias                | 600.1      | 599.42      | -0.679 |
| 317      | 10       | Bias                | 599.42     | 599.76      | 0.34   |
| 318      | 10       | Unbiased            | 600.78     | 601.12      | 0.339  |
| 319      | 10       | Unbiased            | 598.74     | 598.74      | 0      |
| 320      | 10       | Unbiased            | 600.1      | 599.76      | -0.339 |
| 321      | 10       | Unbiased            | 599.76     | 600.44      | 0.679  |
| 322      | 10       | Unbiased            | 599.42     | 600.44      | 1.019  |
| 323      | 30       | Bias                | 599.76     | 599.42      | -0.34  |
| 324      | 30       | Bias                | 599.76     | 600.1       | 0.339  |
| 325      | 30       | Bias                | 601.46     | 600.78      | -0.679 |
| 326      | 30       | Bias                | 599.08     | 600.44      | 1.358  |
| 327      | 30       | Bias                | 600.1      | 599.76      | -0.339 |
| 328      | 30       | Unbiased            | 600.78     | 600.78      | 0      |
| 329      | 30       | Unbiased            | 599.08     | 599.42      | 0.339  |
| 330      | 30       | Unbiased            | 601.12     | 600.78      | -0.339 |
| 331      | 30       | Unbiased            | 599.42     | 598.74      | -0.679 |
| 332      | 30       | Unbiased            | 599.76     | 599.08      | -0.679 |
| 333      | 50       | Bias                | 599.76     | 600.78      | 1.019  |
| 334      | 50       | Bias                | 599.42     | 599.08      | -0.339 |
| 335      | 50       | Bias                | 599.76     | 599.42      | -0.34  |
| 336      | 50       | Bias                | 600.78     | 599.42      | -1.359 |
| 337      | 50       | Bias                | 600.1      | 599.76      | -0.339 |
| 338      | 50       | Unbiased            | 600.44     | 599.76      | -0.679 |
| 339      | 50       | Unbiased            | 599.51     | 599.42      | -0.093 |
| 340      | 50       | Unbiased            | 599.18     | 600.1       | 0.925  |
| 341      | 50       | Unbiased            | 598.84     | 598.74      | -0.094 |
| 342      | 50       | Unbiased            | 600.53     | 600.78      | 0.248  |
| 343      | 100      | Bias                | 599.85     | 600.1       | 0.247  |
| 344      | 100      | Bias                | 598.5      | 594.67      | -3.829 |
| 345      | 100      | Bias                | 599.51     | 600.44      | 0.926  |
| 346      | 100      | Bias                | 598.84     | 598.74      | -0.094 |
| 347      | 100      | Bias                | 594.43     | 601.12      | 6.694  |
| 348      | 100      | Unbiased            | 598.84     | 599.08      | 0.246  |
| 349      | 100      | Unbiased            | 598.5      | 599.08      | 0.586  |
| 350      | 100      | Unbiased            | 599.85     | 600.44      | 0.587  |
| 351      | 100      | Unbiased            | 599.85     | 599.42      | -0.432 |
| 352      | 100      | Unbiased            | 599.18     | 599.76      | 0.586  |

Test Statistics (mV)

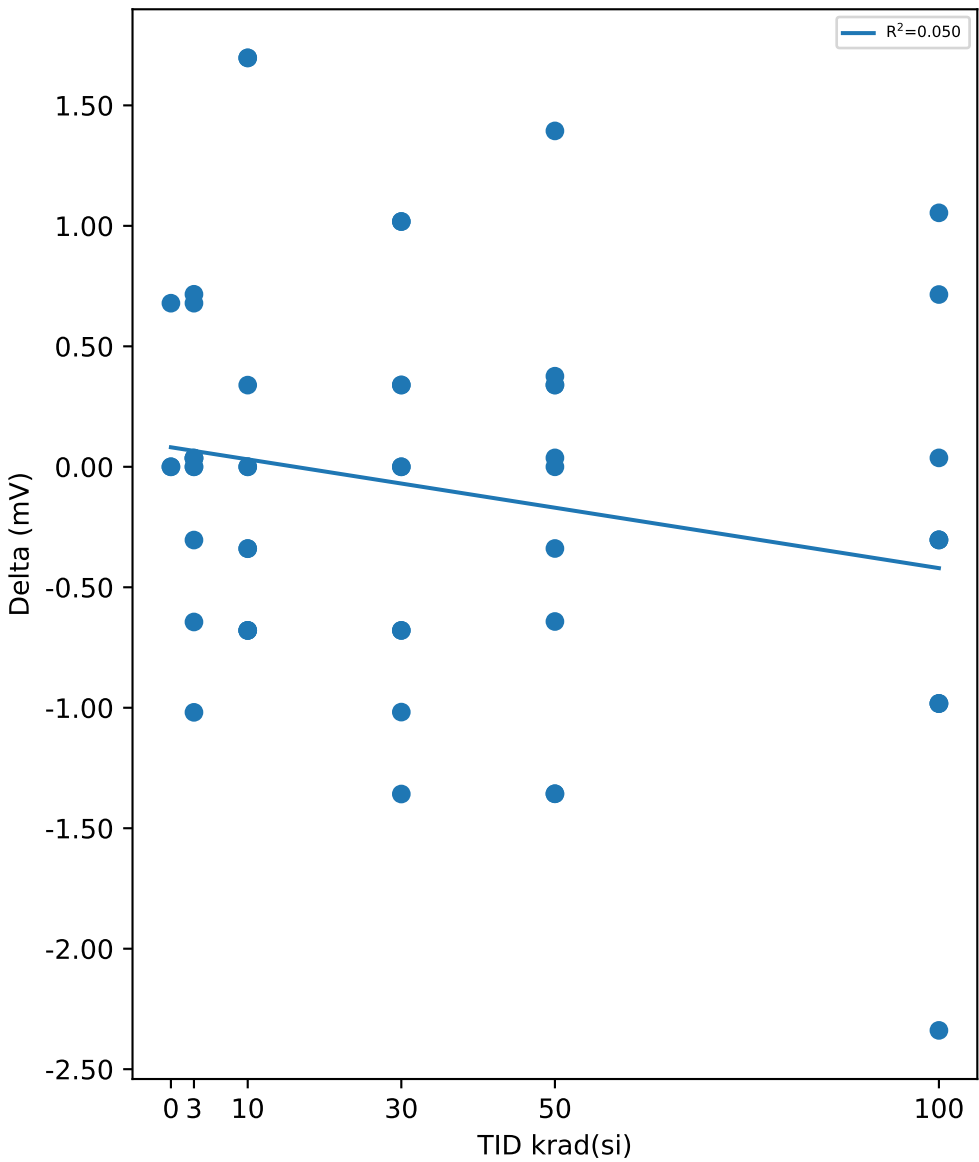
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 599.08           | 600.44           | 601.8            | 1.3585           | 599.76            | 600.21            | 600.78            | 0.51892           | -1.019    | -0.22667  | 0.679     | 0.85465   |
| 3        | 598.5            | 599.82           | 600.44           | 0.56049          | 599.08            | 600.2             | 600.78            | 0.53223           | -0.34     | 0.386     | 0.927     | 0.4318    |
| 10       | 598.74           | 599.69           | 600.78           | 0.74753          | 598.74            | 599.93            | 601.12            | 0.66486           | -0.68     | 0.2376    | 1.019     | 0.64128   |
| 30       | 599.08           | 600.03           | 601.46           | 0.8287           | 598.74            | 599.93            | 600.78            | 0.75525           | -0.679    | -0.1019   | 1.358     | 0.64107   |
| 50       | 598.84           | 599.83           | 600.78           | 0.62663          | 598.74            | 599.73            | 600.78            | 0.66885           | -1.359    | -0.1051   | 1.019     | 0.70835   |
| 100      | 594.43           | 598.73           | 599.85           | 1.6077           | 594.67            | 599.29            | 601.12            | 1.784             | -3.829    | 0.5517    | 6.694     | 2.5524    |



TID vs Result Stats



TID vs Post - Pre Exposure Delta



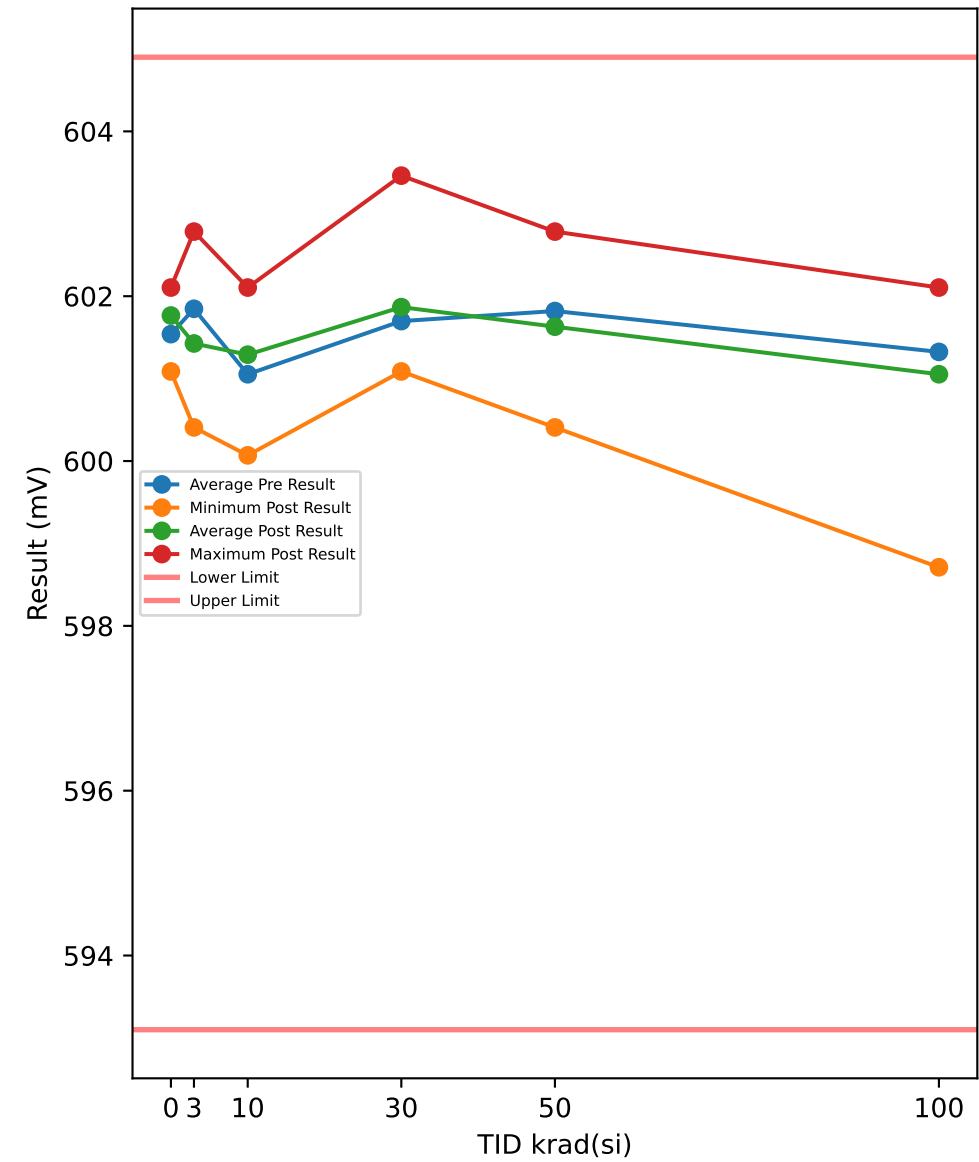
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 598.71     | 598.71      | 0      |
| 301      | 0        | Correlation         | 598.37     | 598.37      | 0      |
| 302      | 0        | Correlation         | 597.01     | 597.69      | 0.679  |
| 303      | 3        | Bias                | 598.34     | 598.37      | 0.036  |
| 304      | 3        | Bias                | 598        | 598.03      | 0.036  |
| 305      | 3        | Bias                | 598.68     | 598.03      | -0.644 |
| 306      | 3        | Bias                | 598.34     | 598.37      | 0.036  |
| 307      | 3        | Bias                | 599.36     | 599.05      | -0.304 |
| 308      | 3        | Unbiased            | 596.64     | 597.35      | 0.716  |
| 309      | 3        | Unbiased            | 598.37     | 598.37      | 0      |
| 310      | 3        | Unbiased            | 597.35     | 597.35      | 0      |
| 311      | 3        | Unbiased            | 598.37     | 599.05      | 0.679  |
| 312      | 3        | Unbiased            | 597.35     | 596.34      | -1.019 |
| 313      | 10       | Bias                | 597.35     | 597.01      | -0.34  |
| 314      | 10       | Bias                | 598.03     | 598.03      | 0      |
| 315      | 10       | Bias                | 596.34     | 598.03      | 1.697  |
| 316      | 10       | Bias                | 599.05     | 598.37      | -0.679 |
| 317      | 10       | Bias                | 596.34     | 598.03      | 1.697  |
| 318      | 10       | Unbiased            | 599.05     | 599.05      | 0      |
| 319      | 10       | Unbiased            | 597.35     | 597.69      | 0.339  |
| 320      | 10       | Unbiased            | 597.35     | 596.67      | -0.679 |
| 321      | 10       | Unbiased            | 597.69     | 597.35      | -0.339 |
| 322      | 10       | Unbiased            | 598.37     | 597.69      | -0.679 |
| 323      | 30       | Bias                | 598.03     | 598.03      | 0      |
| 324      | 30       | Bias                | 599.39     | 598.71      | -0.679 |
| 325      | 30       | Bias                | 600.07     | 599.05      | -1.018 |
| 326      | 30       | Bias                | 597.35     | 597.69      | 0.339  |
| 327      | 30       | Bias                | 597.35     | 596.67      | -0.679 |
| 328      | 30       | Unbiased            | 598.03     | 598.37      | 0.34   |
| 329      | 30       | Unbiased            | 596.67     | 597.69      | 1.018  |
| 330      | 30       | Unbiased            | 598.37     | 599.39      | 1.018  |
| 331      | 30       | Unbiased            | 597.35     | 597.35      | 0      |
| 332      | 30       | Unbiased            | 599.05     | 597.69      | -1.358 |
| 333      | 50       | Bias                | 598.71     | 597.35      | -1.357 |
| 334      | 50       | Bias                | 598.03     | 596.67      | -1.357 |
| 335      | 50       | Bias                | 597.35     | 597.69      | 0.339  |
| 336      | 50       | Bias                | 598.03     | 597.69      | -0.339 |
| 337      | 50       | Bias                | 598.71     | 599.05      | 0.34   |
| 338      | 50       | Unbiased            | 598.03     | 598.03      | 0      |
| 339      | 50       | Unbiased            | 596.64     | 598.03      | 1.394  |
| 340      | 50       | Unbiased            | 598        | 598.37      | 0.376  |
| 341      | 50       | Unbiased            | 597.32     | 596.67      | -0.642 |
| 342      | 50       | Unbiased            | 597.32     | 597.35      | 0.037  |
| 343      | 100      | Bias                | 598.68     | 597.69      | -0.983 |
| 344      | 100      | Bias                | 597.66     | 597.35      | -0.303 |
| 345      | 100      | Bias                | 597.32     | 598.03      | 0.715  |
| 346      | 100      | Bias                | 596.64     | 596.67      | 0.037  |
| 347      | 100      | Bias                | 598.68     | 598.37      | -0.304 |
| 348      | 100      | Unbiased            | 596.98     | 598.03      | 1.054  |
| 349      | 100      | Unbiased            | 597.66     | 596.67      | -0.982 |
| 350      | 100      | Unbiased            | 598.34     | 597.35      | -0.982 |
| 351      | 100      | Unbiased            | 596.64     | 594.3       | -2.339 |
| 352      | 100      | Unbiased            | 598        | 597.69      | -0.303 |

Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 597.01           | 598.03           | 598.71           | 0.89804          | 597.69            | 598.26            | 598.71            | 0.51838           | 0         | 0.22633   | 0.679     | 0.39202   |
| 3        | 596.64           | 598.08           | 599.36           | 0.77624          | 596.34            | 598.03            | 599.05            | 0.83151           | -1.019    | -0.0464   | 0.716     | 0.52721   |
| 10       | 596.34           | 597.69           | 599.05           | 0.96017          | 596.67            | 597.79            | 599.05            | 0.67976           | -0.679    | 0.1017    | 1.697     | 0.90583   |
| 30       | 596.67           | 598.17           | 600.07           | 1.0637           | 596.67            | 598.07            | 599.39            | 0.82282           | -1.358    | -0.1019   | 1.018     | 0.81663   |
| 50       | 596.64           | 597.81           | 598.71           | 0.65604          | 596.67            | 597.69            | 599.05            | 0.73315           | -1.357    | -0.1209   | 1.394     | 0.84198   |
| 100      | 596.64           | 597.66           | 598.68           | 0.76783          | 594.3             | 597.22            | 598.37            | 1.1669            | -2.339    | -0.439    | 1.054     | 0.96253   |

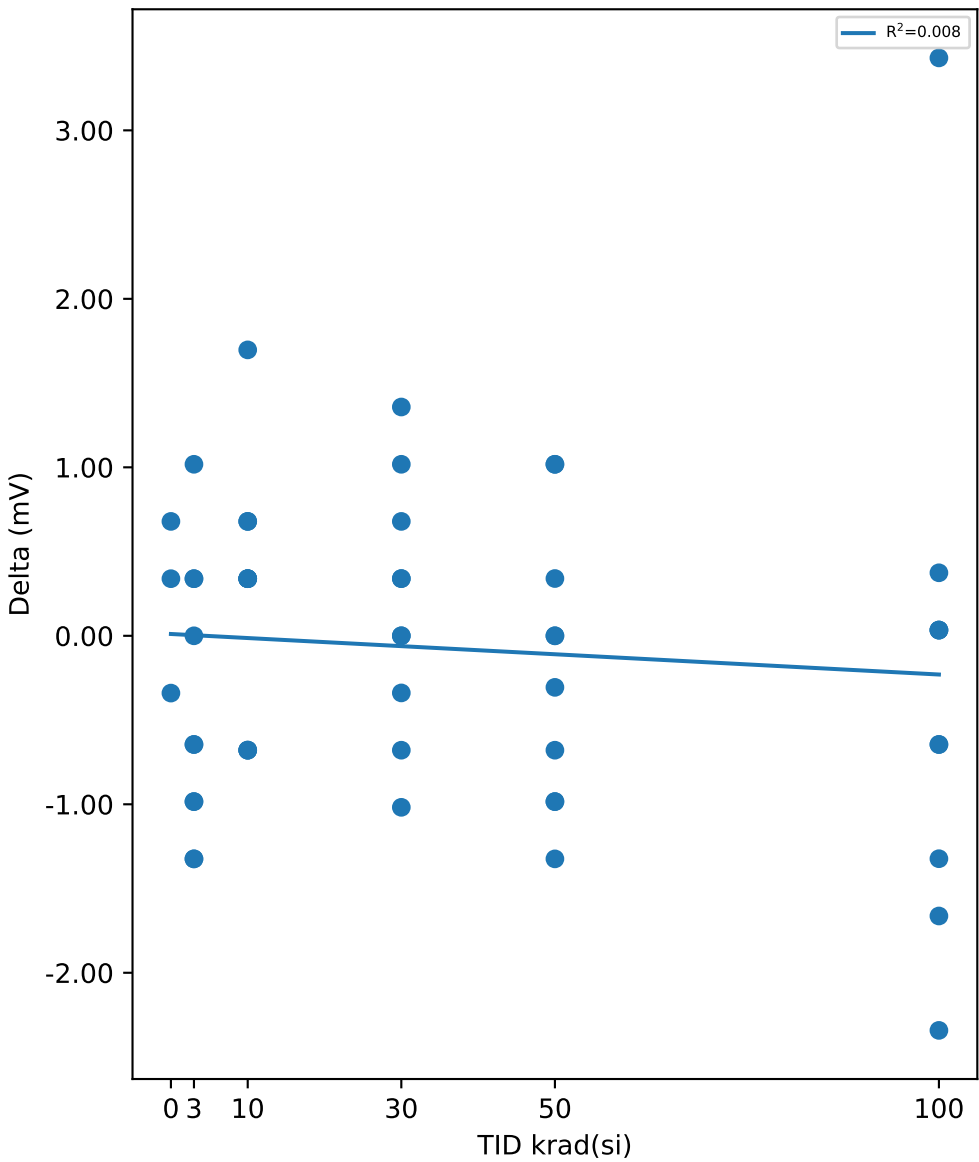
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 601.43     | 602.11      | 0.679  |
| 301      | 0        | Correlation         | 602.45     | 602.11      | -0.34  |
| 302      | 0        | Correlation         | 600.75     | 601.09      | 0.339  |
| 303      | 3        | Bias                | 603.09     | 601.77      | -1.324 |
| 304      | 3        | Bias                | 602.07     | 601.09      | -0.984 |
| 305      | 3        | Bias                | 601.73     | 601.09      | -0.645 |
| 306      | 3        | Bias                | 601.73     | 600.41      | -1.324 |
| 307      | 3        | Bias                | 601.73     | 601.09      | -0.645 |
| 308      | 3        | Unbiased            | 602.07     | 601.09      | -0.984 |
| 309      | 3        | Unbiased            | 602.11     | 602.11      | 0      |
| 310      | 3        | Unbiased            | 600.41     | 601.43      | 1.018  |
| 311      | 3        | Unbiased            | 602.45     | 602.78      | 0.339  |
| 312      | 3        | Unbiased            | 601.09     | 601.43      | 0.339  |
| 313      | 10       | Bias                | 599.39     | 600.07      | 0.679  |
| 314      | 10       | Bias                | 601.77     | 602.11      | 0.339  |
| 315      | 10       | Bias                | 601.09     | 601.43      | 0.339  |
| 316      | 10       | Bias                | 602.11     | 601.43      | -0.679 |
| 317      | 10       | Bias                | 601.09     | 600.41      | -0.679 |
| 318      | 10       | Unbiased            | 601.77     | 602.11      | 0.339  |
| 319      | 10       | Unbiased            | 600.41     | 602.11      | 1.697  |
| 320      | 10       | Unbiased            | 601.43     | 600.75      | -0.678 |
| 321      | 10       | Unbiased            | 600.41     | 601.09      | 0.679  |
| 322      | 10       | Unbiased            | 601.09     | 601.43      | 0.339  |
| 323      | 30       | Bias                | 601.77     | 601.09      | -0.679 |
| 324      | 30       | Bias                | 602.11     | 603.46      | 1.358  |
| 325      | 30       | Bias                | 603.46     | 602.45      | -1.018 |
| 326      | 30       | Bias                | 600.75     | 601.09      | 0.339  |
| 327      | 30       | Bias                | 601.43     | 601.77      | 0.34   |
| 328      | 30       | Unbiased            | 602.11     | 602.78      | 0.679  |
| 329      | 30       | Unbiased            | 601.09     | 601.09      | 0      |
| 330      | 30       | Unbiased            | 601.77     | 602.78      | 1.018  |
| 331      | 30       | Unbiased            | 601.43     | 601.09      | -0.339 |
| 332      | 30       | Unbiased            | 601.09     | 601.09      | 0      |
| 333      | 50       | Bias                | 601.43     | 601.43      | 0      |
| 334      | 50       | Bias                | 600.41     | 601.43      | 1.018  |
| 335      | 50       | Bias                | 600.41     | 600.75      | 0.34   |
| 336      | 50       | Bias                | 601.77     | 601.77      | 0      |
| 337      | 50       | Bias                | 602.78     | 602.11      | -0.679 |
| 338      | 50       | Unbiased            | 601.77     | 602.78      | 1.018  |
| 339      | 50       | Unbiased            | 603.09     | 601.77      | -1.324 |
| 340      | 50       | Unbiased            | 602.07     | 601.09      | -0.984 |
| 341      | 50       | Unbiased            | 601.39     | 600.41      | -0.984 |
| 342      | 50       | Unbiased            | 603.09     | 602.78      | -0.306 |
| 343      | 100      | Bias                | 598        | 601.43      | 3.43   |
| 344      | 100      | Bias                | 601.39     | 601.77      | 0.374  |
| 345      | 100      | Bias                | 601.39     | 601.43      | 0.034  |
| 346      | 100      | Bias                | 602.41     | 600.75      | -1.663 |
| 347      | 100      | Bias                | 602.07     | 602.11      | 0.034  |
| 348      | 100      | Unbiased            | 601.73     | 601.09      | -0.645 |
| 349      | 100      | Unbiased            | 602.07     | 600.75      | -1.323 |
| 350      | 100      | Unbiased            | 601.05     | 601.09      | 0.034  |
| 351      | 100      | Unbiased            | 601.05     | 598.71      | -2.342 |
| 352      | 100      | Unbiased            | 602.07     | 601.43      | -0.645 |

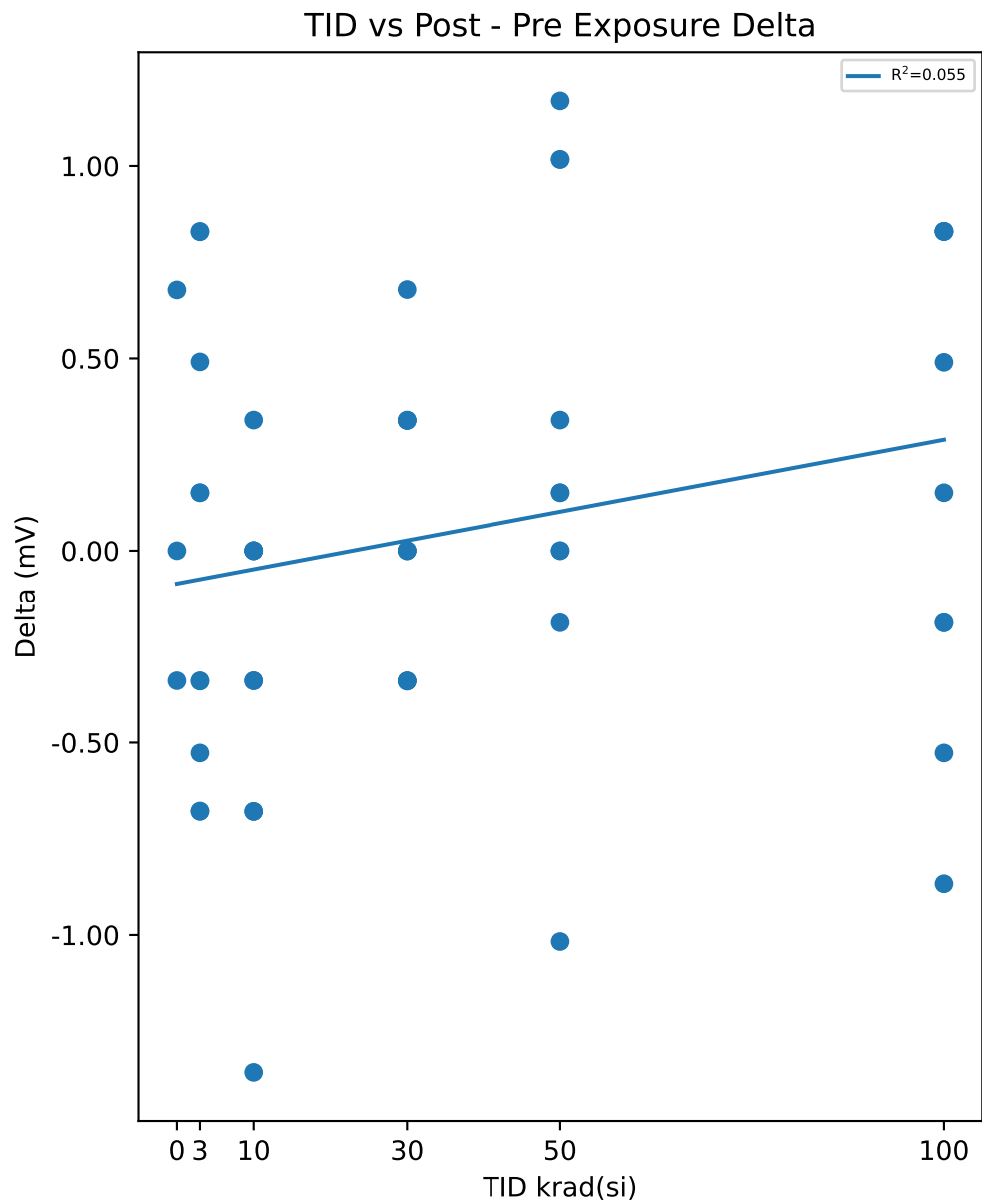
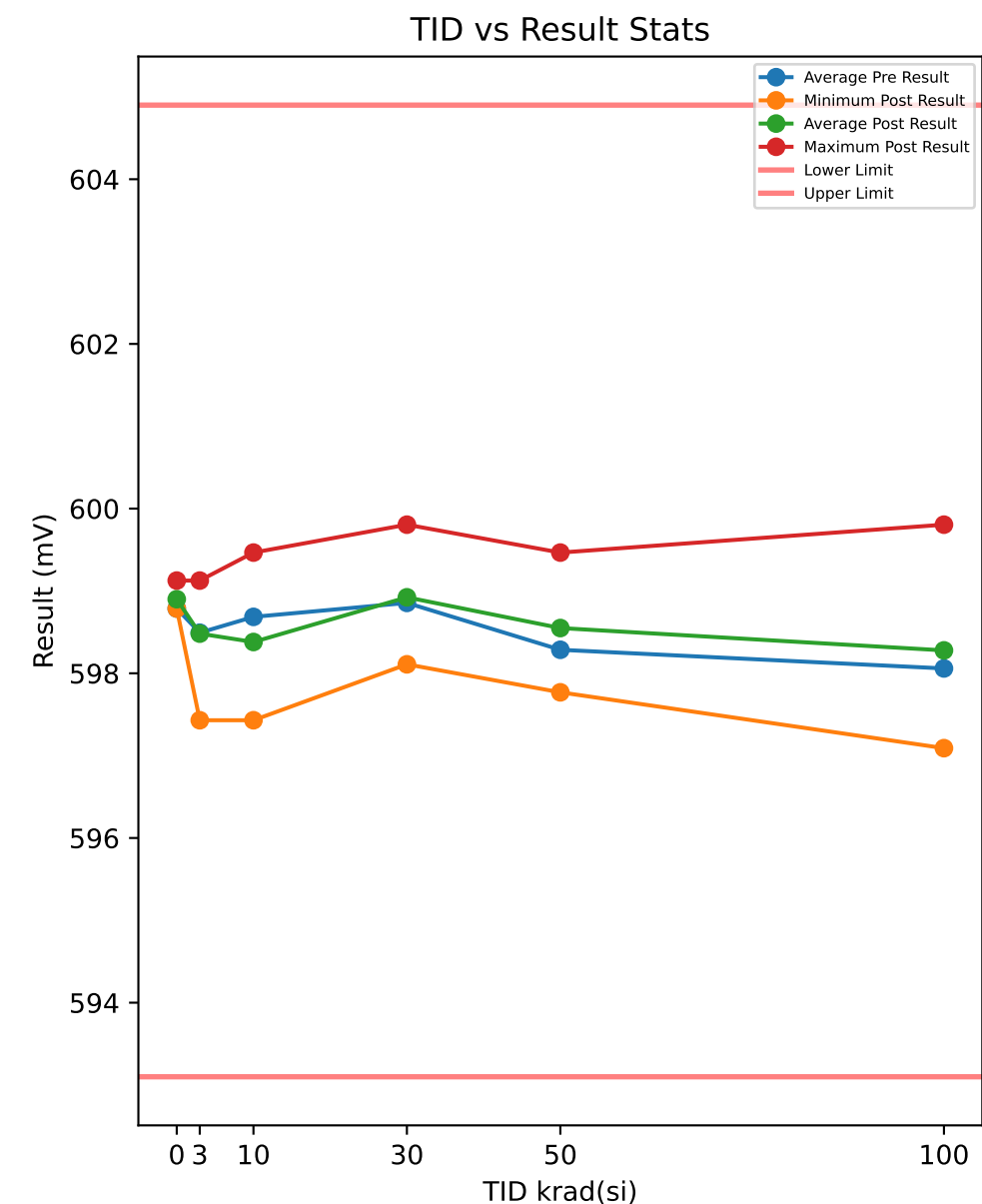
TID vs Post - Pre Exposure Delta



Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 600.75           | 601.54           | 602.45           | 0.85419          | 601.09            | 601.77            | 602.11            | 0.58774           | -0.34     | 0.226     | 0.679     | 0.51881   |
| 3        | 600.41           | 601.85           | 603.09           | 0.72706          | 600.41            | 601.43            | 602.78            | 0.6597            | -1.324    | -0.421    | 1.018     | 0.80057   |
| 10       | 599.39           | 601.05           | 602.11           | 0.80717          | 600.07            | 601.29            | 602.11            | 0.71894           | -0.679    | 0.2375    | 1.697     | 0.75124   |
| 30       | 600.75           | 601.7            | 603.46           | 0.76397          | 601.09            | 601.87            | 603.46            | 0.91986           | -1.018    | 0.1698    | 1.358     | 0.73756   |
| 50       | 600.41           | 601.82           | 603.09           | 0.97467          | 600.41            | 601.63            | 602.78            | 0.78707           | -1.324    | -0.1901   | 1.018     | 0.82132   |
| 100      | 598              | 601.32           | 602.41           | 1.2585           | 598.71            | 601.05            | 602.11            | 0.92531           | -2.342    | -0.2712   | 3.43      | 1.5637    |

Device Test: 13.23 ; VTH\_SENSE



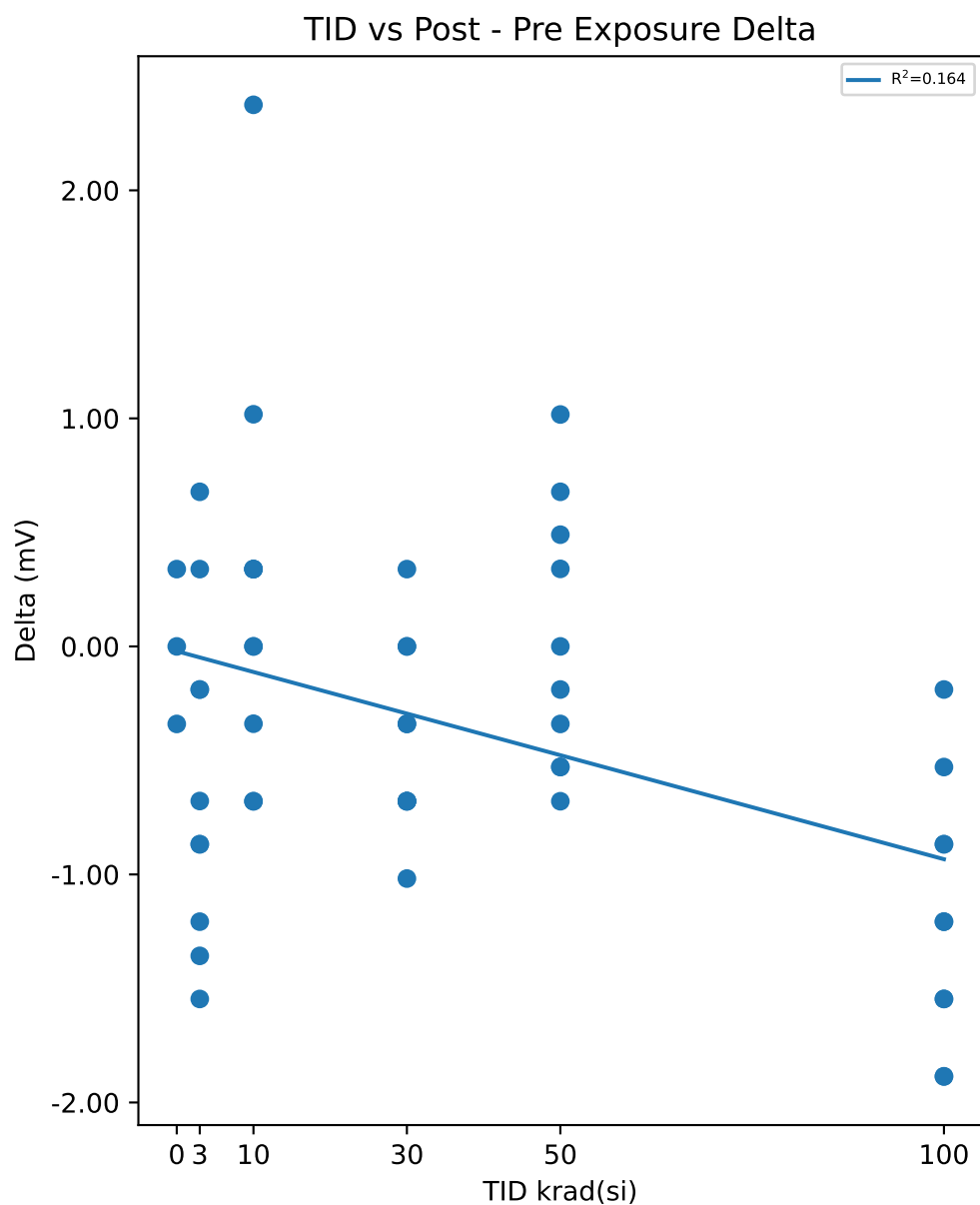
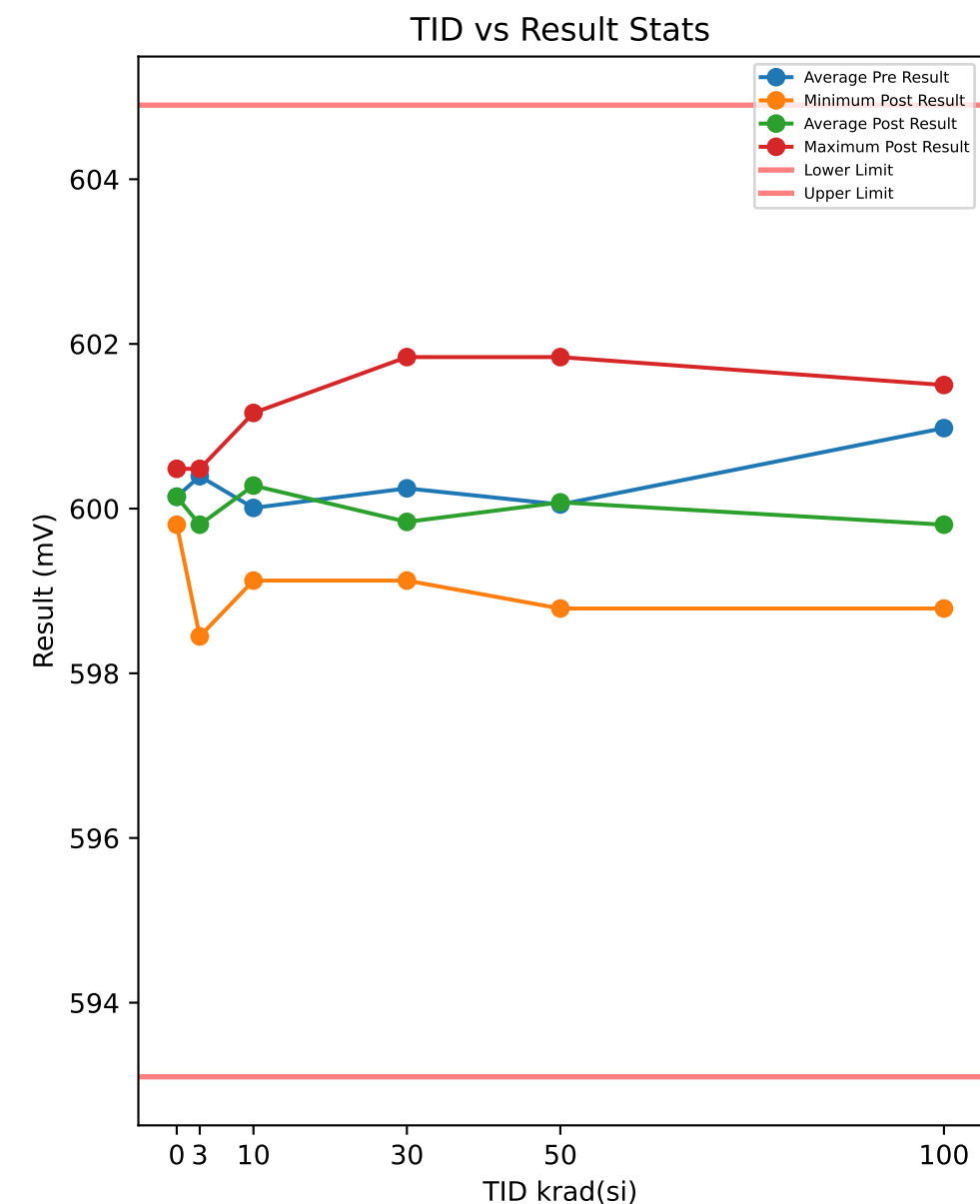
Test Results (Lower Limit = 593.1,  
Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 599.13     | 599.13      | 0      |
| 301      | 0        | Correlation         | 598.11     | 598.79      | 0.678  |
| 302      | 0        | Correlation         | 599.13     | 598.79      | -0.339 |
| 303      | 3        | Bias                | 597.62     | 598.45      | 0.83   |
| 304      | 3        | Bias                | 598.3      | 599.13      | 0.829  |
| 305      | 3        | Bias                | 598.98     | 598.45      | -0.527 |
| 306      | 3        | Bias                | 598.64     | 598.79      | 0.151  |
| 307      | 3        | Bias                | 598.3      | 598.45      | 0.151  |
| 308      | 3        | Unbiased            | 597.96     | 598.45      | 0.491  |
| 309      | 3        | Unbiased            | 598.79     | 598.45      | -0.339 |
| 310      | 3        | Unbiased            | 599.47     | 599.13      | -0.34  |
| 311      | 3        | Unbiased            | 598.79     | 598.11      | -0.678 |
| 312      | 3        | Unbiased            | 598.11     | 597.43      | -0.679 |
| 313      | 10       | Bias                | 597.77     | 597.43      | -0.339 |
| 314      | 10       | Bias                | 598.45     | 597.77      | -0.679 |
| 315      | 10       | Bias                | 598.45     | 598.45      | 0      |
| 316      | 10       | Bias                | 598.79     | 598.79      | 0      |
| 317      | 10       | Bias                | 599.13     | 598.79      | -0.339 |
| 318      | 10       | Unbiased            | 599.13     | 599.47      | 0.34   |
| 319      | 10       | Unbiased            | 599.47     | 598.79      | -0.679 |
| 320      | 10       | Unbiased            | 599.13     | 597.77      | -1.357 |
| 321      | 10       | Unbiased            | 598.45     | 598.45      | 0      |
| 322      | 10       | Unbiased            | 598.11     | 598.11      | 0      |
| 323      | 30       | Bias                | 598.45     | 598.79      | 0.339  |
| 324      | 30       | Bias                | 598.79     | 599.47      | 0.679  |
| 325      | 30       | Bias                | 599.47     | 599.13      | -0.34  |
| 326      | 30       | Bias                | 599.13     | 598.79      | -0.339 |
| 327      | 30       | Bias                | 598.79     | 598.79      | 0      |
| 328      | 30       | Unbiased            | 599.8      | 599.8       | 0      |
| 329      | 30       | Unbiased            | 598.11     | 598.45      | 0.339  |
| 330      | 30       | Unbiased            | 599.47     | 599.13      | -0.34  |
| 331      | 30       | Unbiased            | 598.79     | 598.79      | 0      |
| 332      | 30       | Unbiased            | 597.77     | 598.11      | 0.34   |
| 333      | 50       | Bias                | 599.47     | 599.47      | 0      |
| 334      | 50       | Bias                | 597.77     | 597.77      | 0      |
| 335      | 50       | Bias                | 597.77     | 598.11      | 0.34   |
| 336      | 50       | Bias                | 598.11     | 599.13      | 1.017  |
| 337      | 50       | Bias                | 599.13     | 598.11      | -1.017 |
| 338      | 50       | Unbiased            | 598.11     | 599.13      | 1.017  |
| 339      | 50       | Unbiased            | 598.3      | 598.45      | 0.151  |
| 340      | 50       | Unbiased            | 598.3      | 598.45      | 0.151  |
| 341      | 50       | Unbiased            | 597.96     | 597.77      | -0.188 |
| 342      | 50       | Unbiased            | 597.96     | 599.13      | 1.169  |
| 343      | 100      | Bias                | 598.64     | 599.47      | 0.83   |
| 344      | 100      | Bias                | 596.94     | 597.77      | 0.83   |
| 345      | 100      | Bias                | 597.62     | 597.09      | -0.527 |
| 346      | 100      | Bias                | 597.28     | 597.77      | 0.49   |
| 347      | 100      | Bias                | 598.64     | 599.47      | 0.83   |
| 348      | 100      | Unbiased            | 597.28     | 597.43      | 0.151  |
| 349      | 100      | Unbiased            | 597.96     | 597.77      | -0.188 |
| 350      | 100      | Unbiased            | 599.32     | 598.45      | -0.867 |
| 351      | 100      | Unbiased            | 597.96     | 597.77      | -0.188 |
| 352      | 100      | Unbiased            | 598.98     | 599.8       | 0.83   |

Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 598.11           | 598.79           | 599.13           | 0.58717          | 598.79            | 598.9             | 599.13            | 0.19572           | -0.339    | 0.113     | 0.678     | 0.51783   |
| 3        | 597.62           | 598.49           | 599.47           | 0.54258          | 597.43            | 598.48            | 599.13            | 0.4915            | -0.679    | -0.0111   | 0.83      | 0.586     |
| 10       | 597.77           | 598.69           | 599.47           | 0.53157          | 597.43            | 598.38            | 599.47            | 0.61537           | -1.357    | -0.3053   | 0.34      | 0.49181   |
| 30       | 597.77           | 598.86           | 599.8            | 0.63579          | 598.11            | 598.92            | 599.8             | 0.48504           | -0.34     | 0.0678    | 0.679     | 0.35066   |
| 50       | 597.77           | 598.29           | 599.47           | 0.56882          | 597.77            | 598.55            | 599.47            | 0.6204            | -1.017    | 0.264     | 1.169     | 0.66408   |
| 100      | 596.94           | 598.06           | 599.32           | 0.80062          | 597.09            | 598.28            | 599.8             | 0.96308           | -0.867    | 0.2191    | 0.83      | 0.63583   |

Device Test: 13.24 ; VTH\_SENSE



Test Results (Lower Limit = 593.1,  
Upper Limit = 604.9 (mV))

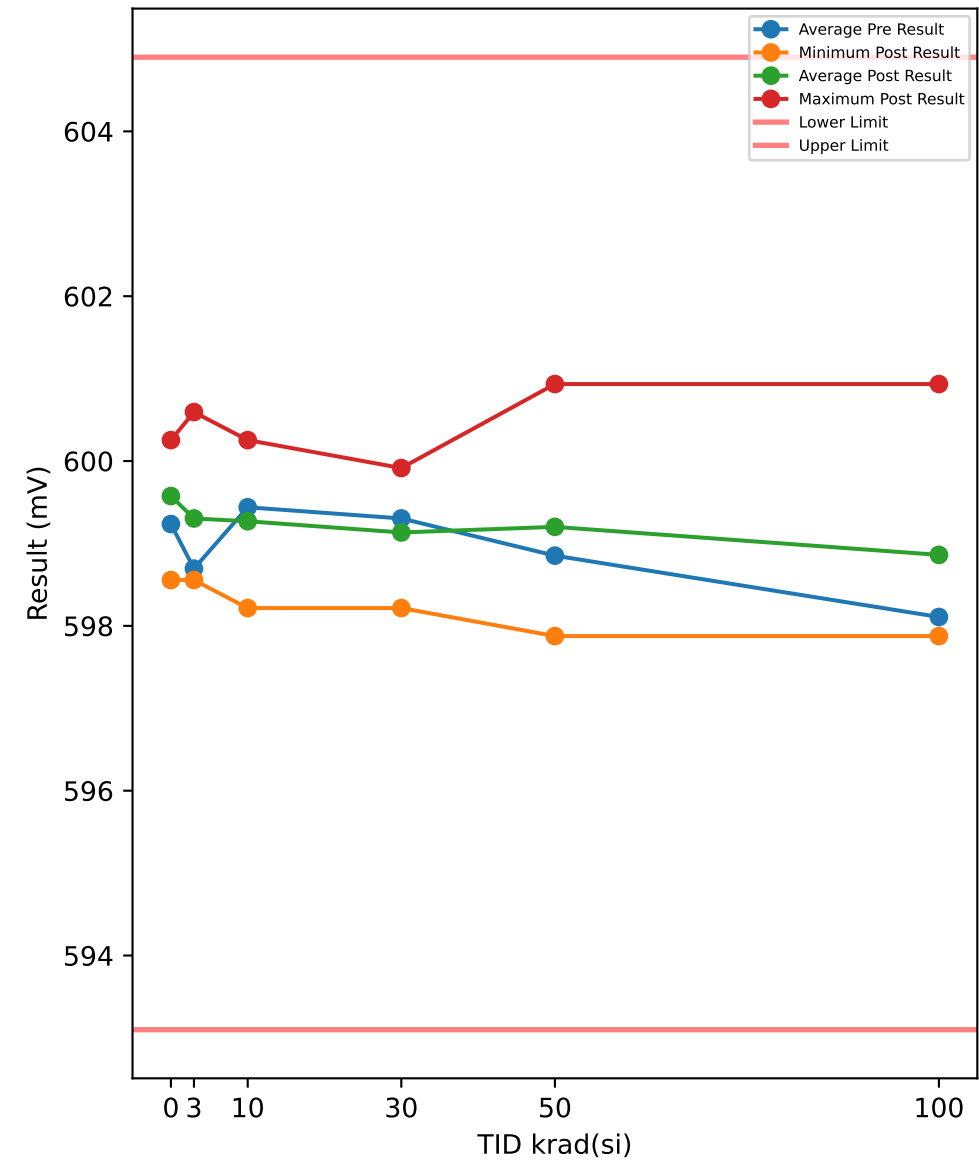
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 600.14     | 600.14      | 0      |
| 301      | 0        | Correlation         | 599.47     | 599.8       | 0.339  |
| 302      | 0        | Correlation         | 600.82     | 600.48      | -0.34  |
| 303      | 3        | Bias                | 601.01     | 599.8       | -1.207 |
| 304      | 3        | Bias                | 600.33     | 600.14      | -0.189 |
| 305      | 3        | Bias                | 600.33     | 599.47      | -0.867 |
| 306      | 3        | Bias                | 601.35     | 599.8       | -1.546 |
| 307      | 3        | Bias                | 599.99     | 599.8       | -0.189 |
| 308      | 3        | Unbiased            | 601.35     | 600.48      | -0.868 |
| 309      | 3        | Unbiased            | 599.8      | 600.14      | 0.339  |
| 310      | 3        | Unbiased            | 599.8      | 600.48      | 0.678  |
| 311      | 3        | Unbiased            | 600.82     | 599.47      | -1.357 |
| 312      | 3        | Unbiased            | 599.13     | 598.45      | -0.678 |
| 313      | 10       | Bias                | 599.8      | 599.13      | -0.679 |
| 314      | 10       | Bias                | 600.14     | 599.8       | -0.339 |
| 315      | 10       | Bias                | 598.79     | 601.16      | 2.375  |
| 316      | 10       | Bias                | 600.14     | 600.48      | 0.339  |
| 317      | 10       | Bias                | 599.8      | 600.14      | 0.339  |
| 318      | 10       | Unbiased            | 600.82     | 600.82      | 0      |
| 319      | 10       | Unbiased            | 599.8      | 600.82      | 1.018  |
| 320      | 10       | Unbiased            | 600.82     | 600.14      | -0.679 |
| 321      | 10       | Unbiased            | 599.8      | 600.14      | 0.339  |
| 322      | 10       | Unbiased            | 600.14     | 600.14      | 0      |
| 323      | 30       | Bias                | 599.47     | 599.13      | -0.34  |
| 324      | 30       | Bias                | 600.14     | 599.47      | -0.678 |
| 325      | 30       | Bias                | 600.14     | 600.14      | 0      |
| 326      | 30       | Bias                | 600.82     | 600.14      | -0.679 |
| 327      | 30       | Bias                | 599.8      | 599.13      | -0.679 |
| 328      | 30       | Unbiased            | 601.5      | 601.84      | 0.339  |
| 329      | 30       | Unbiased            | 599.8      | 599.8       | 0      |
| 330      | 30       | Unbiased            | 600.82     | 600.14      | -0.679 |
| 331      | 30       | Unbiased            | 599.8      | 599.47      | -0.339 |
| 332      | 30       | Unbiased            | 600.14     | 599.13      | -1.018 |
| 333      | 50       | Bias                | 601.16     | 601.84      | 0.678  |
| 334      | 50       | Bias                | 599.13     | 599.47      | 0.34   |
| 335      | 50       | Bias                | 599.47     | 598.79      | -0.679 |
| 336      | 50       | Bias                | 600.14     | 600.14      | 0      |
| 337      | 50       | Bias                | 599.47     | 599.13      | -0.34  |
| 338      | 50       | Unbiased            | 599.47     | 600.48      | 1.017  |
| 339      | 50       | Unbiased            | 601.01     | 600.82      | -0.189 |
| 340      | 50       | Unbiased            | 599.65     | 600.14      | 0.49   |
| 341      | 50       | Unbiased            | 599.99     | 599.47      | -0.528 |
| 342      | 50       | Unbiased            | 601.01     | 600.48      | -0.529 |
| 343      | 100      | Bias                | 600.67     | 600.48      | -0.189 |
| 344      | 100      | Bias                | 600.33     | 599.47      | -0.867 |
| 345      | 100      | Bias                | 600.33     | 599.13      | -1.207 |
| 346      | 100      | Bias                | 601.01     | 599.13      | -1.886 |
| 347      | 100      | Bias                | 602.03     | 601.5       | -0.529 |
| 348      | 100      | Unbiased            | 599.99     | 599.13      | -0.868 |
| 349      | 100      | Unbiased            | 601.01     | 599.47      | -1.546 |
| 350      | 100      | Unbiased            | 601.35     | 600.14      | -1.207 |
| 351      | 100      | Unbiased            | 600.67     | 598.79      | -1.885 |
| 352      | 100      | Unbiased            | 602.37     | 600.82      | -1.546 |

Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|-----------|
| 0        | 599.47           | 600.14           | 600.82           | 0.6785           | 599.8             | 600.14            | 600.48            | 0.339             | -0.34     | -0.00033333 | 0.339     | 0.3395    |
| 3        | 599.13           | 600.39           | 601.35           | 0.73536          | 598.45            | 599.8             | 600.48            | 0.59819           | -1.546    | -0.5884     | 0.678     | 0.73311   |
| 10       | 598.79           | 600.01           | 600.82           | 0.58115          | 599.13            | 600.28            | 601.16            | 0.5812            | -0.679    | 0.2713      | 2.375     | 0.90201   |
| 30       | 599.47           | 600.25           | 601.5            | 0.62039          | 599.13            | 599.84            | 601.84            | 0.82244           | -1.018    | -0.4073     | 0.339     | 0.41709   |
| 50       | 599.13           | 600.05           | 601.16           | 0.75522          | 598.79            | 600.08            | 601.84            | 0.90176           | -0.679    | 0.026       | 1.017     | 0.57869   |
| 100      | 599.99           | 600.98           | 602.37           | 0.75797          | 598.79            | 599.8             | 601.5             | 0.89048           | -1.886    | -1.173      | -0.189    | 0.56426   |

Device Test: 13.25 ; VTH\_SENSE

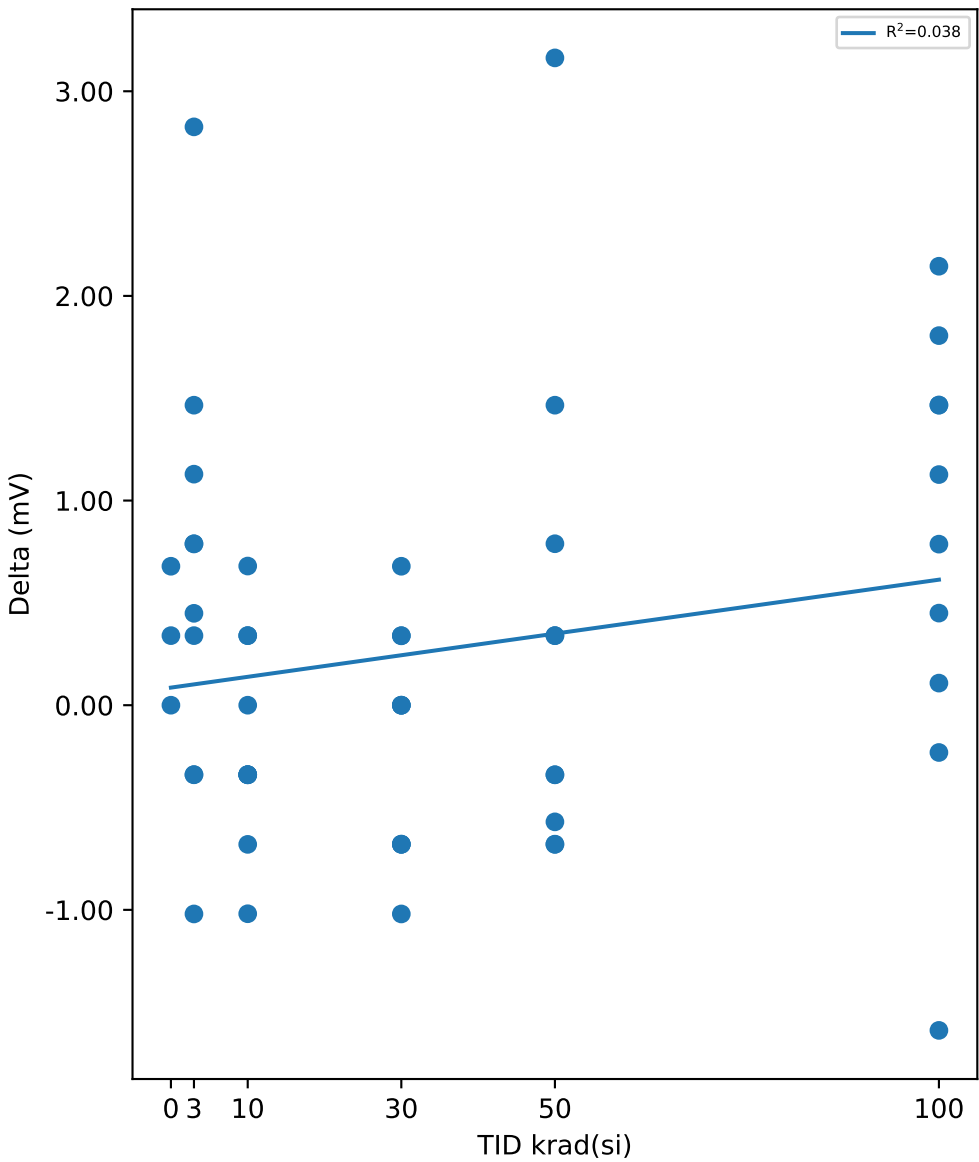
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 599.91     | 599.91      | 0      |
| 301      | 0        | Correlation         | 599.58     | 600.25      | 0.679  |
| 302      | 0        | Correlation         | 598.22     | 598.56      | 0.34   |
| 303      | 3        | Bias                | 597.43     | 598.89      | 1.466  |
| 304      | 3        | Bias                | 597.09     | 599.91      | 2.826  |
| 305      | 3        | Bias                | 599.13     | 599.58      | 0.449  |
| 306      | 3        | Bias                | 598.79     | 599.58      | 0.789  |
| 307      | 3        | Bias                | 597.77     | 598.56      | 0.788  |
| 308      | 3        | Unbiased            | 599.47     | 600.59      | 1.129  |
| 309      | 3        | Unbiased            | 598.89     | 598.56      | -0.339 |
| 310      | 3        | Unbiased            | 599.91     | 598.89      | -1.02  |
| 311      | 3        | Unbiased            | 599.24     | 599.58      | 0.34   |
| 312      | 3        | Unbiased            | 599.24     | 598.89      | -0.34  |
| 313      | 10       | Bias                | 598.89     | 598.56      | -0.339 |
| 314      | 10       | Bias                | 599.58     | 598.56      | -1.019 |
| 315      | 10       | Bias                | 599.58     | 599.91      | 0.34   |
| 316      | 10       | Bias                | 599.24     | 599.24      | 0      |
| 317      | 10       | Bias                | 599.24     | 598.89      | -0.34  |
| 318      | 10       | Unbiased            | 600.59     | 600.25      | -0.34  |
| 319      | 10       | Unbiased            | 598.56     | 598.22      | -0.34  |
| 320      | 10       | Unbiased            | 599.58     | 599.91      | 0.34   |
| 321      | 10       | Unbiased            | 599.91     | 599.24      | -0.68  |
| 322      | 10       | Unbiased            | 599.24     | 599.91      | 0.68   |
| 323      | 30       | Bias                | 599.24     | 598.56      | -0.679 |
| 324      | 30       | Bias                | 598.22     | 598.22      | 0      |
| 325      | 30       | Bias                | 599.58     | 599.58      | 0      |
| 326      | 30       | Bias                | 599.91     | 598.89      | -1.02  |
| 327      | 30       | Bias                | 599.91     | 599.24      | -0.68  |
| 328      | 30       | Unbiased            | 600.59     | 599.58      | -0.679 |
| 329      | 30       | Unbiased            | 598.22     | 598.89      | 0.679  |
| 330      | 30       | Unbiased            | 599.58     | 599.91      | 0.34   |
| 331      | 30       | Unbiased            | 599.58     | 599.58      | 0      |
| 332      | 30       | Unbiased            | 598.56     | 598.89      | 0.339  |
| 333      | 50       | Bias                | 599.58     | 599.24      | -0.34  |
| 334      | 50       | Bias                | 599.24     | 598.56      | -0.679 |
| 335      | 50       | Bias                | 598.89     | 599.24      | 0.34   |
| 336      | 50       | Bias                | 599.58     | 598.89      | -0.68  |
| 337      | 50       | Bias                | 599.58     | 599.24      | -0.34  |
| 338      | 50       | Unbiased            | 600.59     | 600.93      | 0.34   |
| 339      | 50       | Unbiased            | 599.13     | 598.56      | -0.57  |
| 340      | 50       | Unbiased            | 597.43     | 598.89      | 1.466  |
| 341      | 50       | Unbiased            | 594.71     | 597.88      | 3.163  |
| 342      | 50       | Unbiased            | 599.8      | 600.59      | 0.789  |
| 343      | 100      | Bias                | 597.43     | 598.89      | 1.466  |
| 344      | 100      | Bias                | 596.75     | 598.56      | 1.806  |
| 345      | 100      | Bias                | 599.13     | 598.89      | -0.231 |
| 346      | 100      | Bias                | 599.8      | 598.22      | -1.589 |
| 347      | 100      | Bias                | 600.48     | 600.93      | 0.45   |
| 348      | 100      | Unbiased            | 597.77     | 598.89      | 1.127  |
| 349      | 100      | Unbiased            | 598.11     | 598.22      | 0.108  |
| 350      | 100      | Unbiased            | 597.77     | 599.24      | 1.467  |
| 351      | 100      | Unbiased            | 597.09     | 597.88      | 0.787  |
| 352      | 100      | Unbiased            | 596.75     | 598.89      | 2.145  |

TID vs Post - Pre Exposure Delta

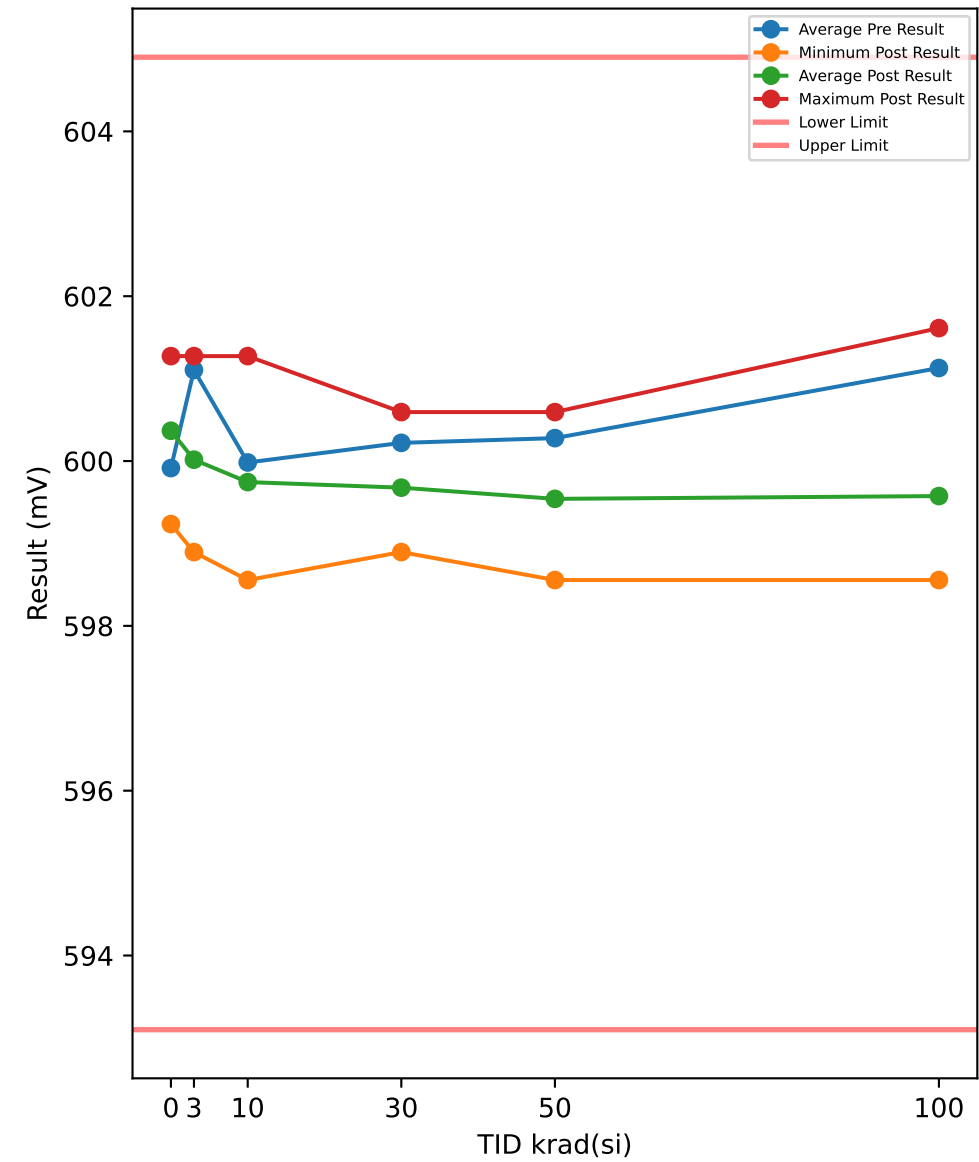


Test Statistics (mV)

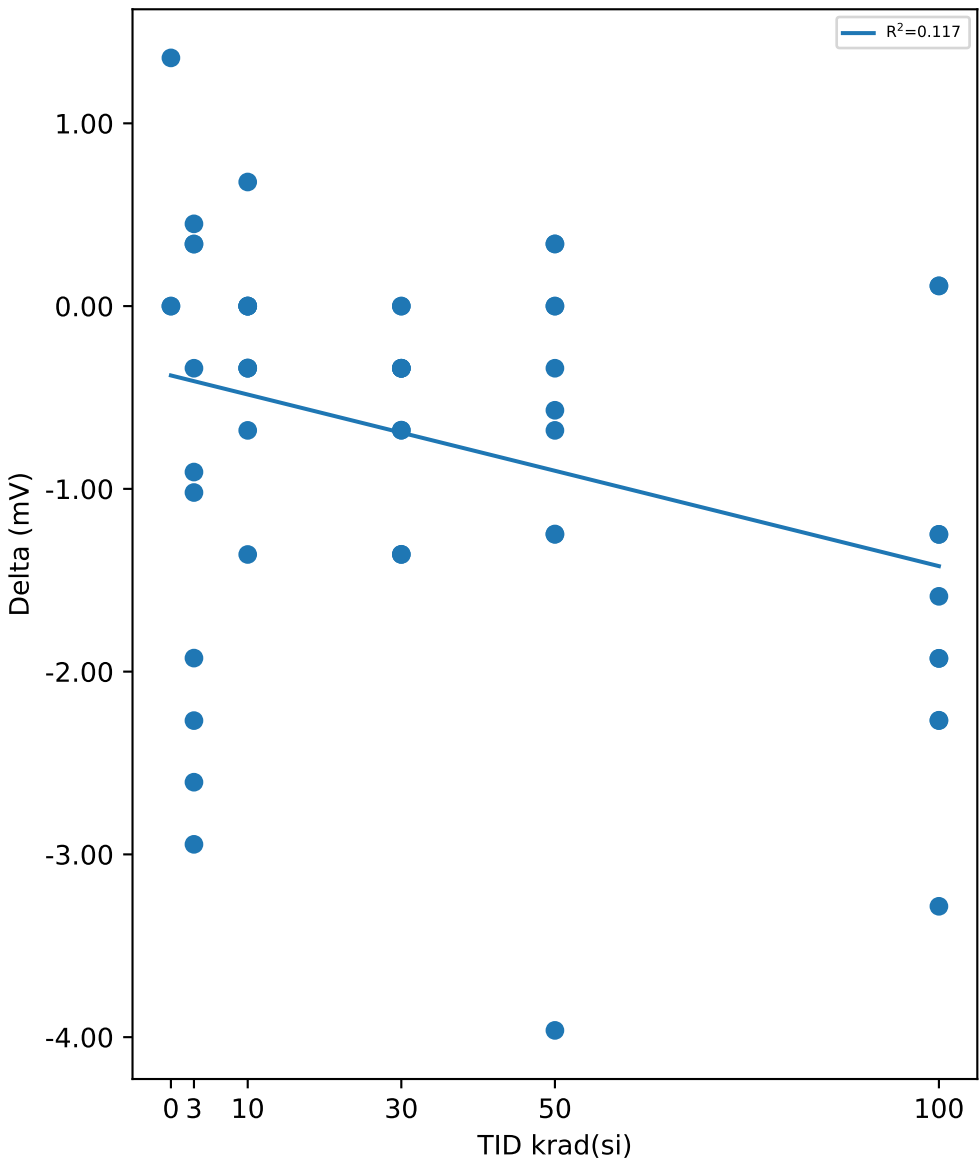
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 598.22           | 599.24           | 599.91           | 0.89899          | 598.56            | 599.57            | 600.25            | 0.89861           | 0         | 0.33967   | 0.679     | 0.3395    |
| 3        | 597.09           | 598.69           | 599.91           | 0.93926          | 598.56            | 599.3             | 600.59            | 0.65647           | -1.02     | 0.6088    | 2.826     | 1.0819    |
| 10       | 598.56           | 599.44           | 600.59           | 0.55942          | 598.22            | 599.27            | 600.25            | 0.70631           | -1.019    | -0.1698   | 0.68      | 0.51292   |
| 30       | 598.22           | 599.3            | 600.25           | 0.73039          | 598.22            | 599.13            | 599.91            | 0.53248           | -1.02     | -0.17     | 0.679     | 0.5605    |
| 50       | 594.71           | 598.85           | 600.59           | 1.663            | 597.88            | 599.2             | 600.93            | 0.92629           | -0.68     | 0.3489    | 3.163     | 1.2143    |
| 100      | 596.75           | 598.11           | 600.48           | 1.2902           | 597.88            | 598.86            | 600.93            | 0.83912           | -1.589    | 0.7536    | 2.145     | 1.1139    |



TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

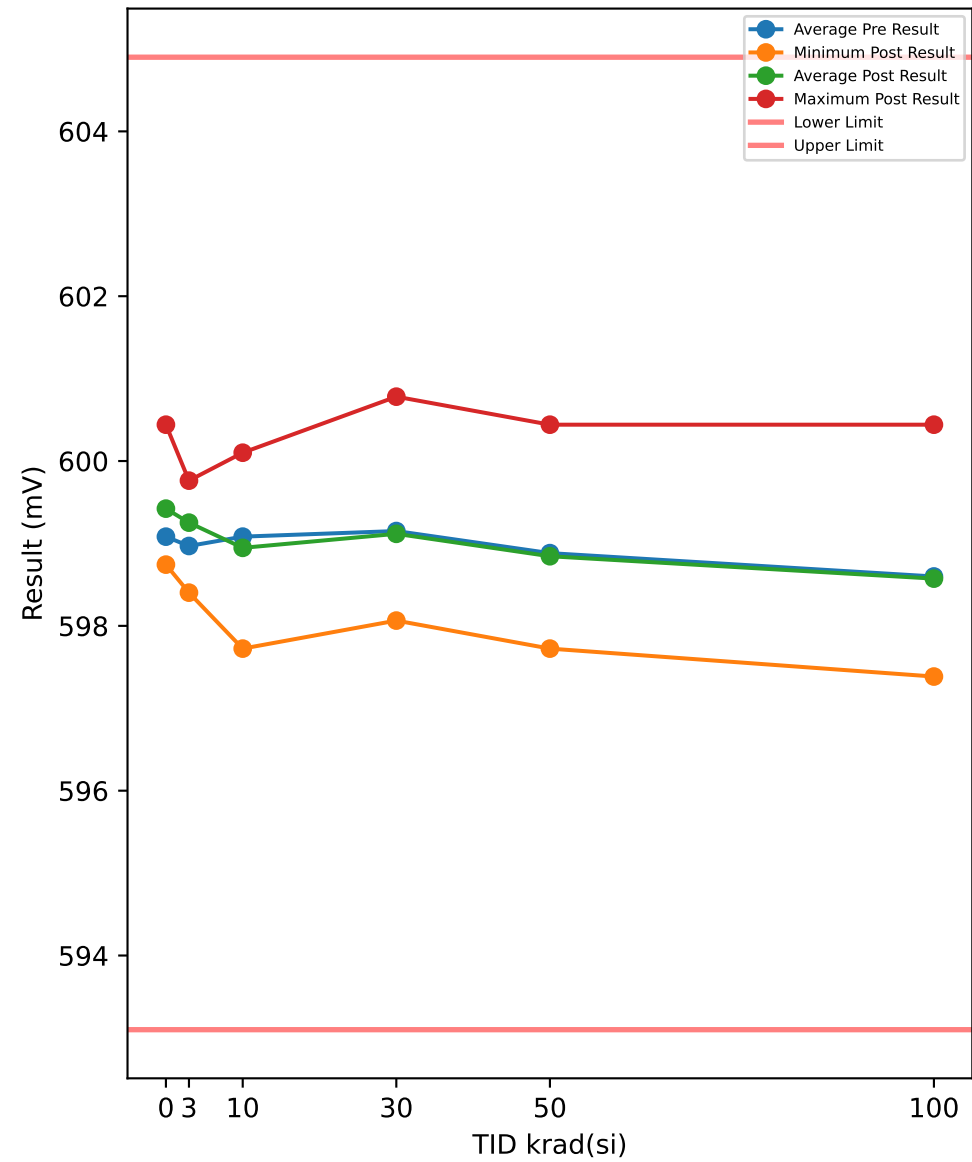
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 599.91     | 601.27      | 1.358  |
| 301      | 0        | Correlation         | 600.59     | 600.59      | 0      |
| 302      | 0        | Correlation         | 599.24     | 599.24      | 0      |
| 303      | 3        | Bias                | 601.16     | 598.89      | -2.268 |
| 304      | 3        | Bias                | 603.2      | 600.59      | -2.605 |
| 305      | 3        | Bias                | 601.84     | 599.91      | -1.926 |
| 306      | 3        | Bias                | 600.82     | 601.27      | 0.45   |
| 307      | 3        | Bias                | 600.82     | 599.91      | -0.908 |
| 308      | 3        | Unbiased            | 603.2      | 600.25      | -2.945 |
| 309      | 3        | Unbiased            | 599.91     | 599.58      | -0.34  |
| 310      | 3        | Unbiased            | 599.91     | 600.25      | 0.339  |
| 311      | 3        | Unbiased            | 600.25     | 600.59      | 0.34   |
| 312      | 3        | Unbiased            | 599.91     | 598.89      | -1.02  |
| 313      | 10       | Bias                | 599.58     | 598.89      | -0.68  |
| 314      | 10       | Bias                | 599.58     | 599.24      | -0.34  |
| 315      | 10       | Bias                | 599.58     | 600.25      | 0.679  |
| 316      | 10       | Bias                | 600.25     | 599.91      | -0.339 |
| 317      | 10       | Bias                | 600.25     | 598.89      | -1.359 |
| 318      | 10       | Unbiased            | 601.27     | 601.27      | 0      |
| 319      | 10       | Unbiased            | 598.89     | 598.56      | -0.339 |
| 320      | 10       | Unbiased            | 600.25     | 600.25      | 0      |
| 321      | 10       | Unbiased            | 599.91     | 599.91      | 0      |
| 322      | 10       | Unbiased            | 600.25     | 600.25      | 0      |
| 323      | 30       | Bias                | 599.91     | 599.58      | -0.34  |
| 324      | 30       | Bias                | 599.58     | 599.58      | 0      |
| 325      | 30       | Bias                | 600.25     | 599.58      | -0.679 |
| 326      | 30       | Bias                | 600.59     | 599.24      | -1.359 |
| 327      | 30       | Bias                | 599.91     | 599.91      | 0      |
| 328      | 30       | Unbiased            | 600.59     | 599.91      | -0.679 |
| 329      | 30       | Unbiased            | 599.24     | 598.89      | -0.34  |
| 330      | 30       | Unbiased            | 601.27     | 599.91      | -1.358 |
| 331      | 30       | Unbiased            | 600.93     | 600.59      | -0.34  |
| 332      | 30       | Unbiased            | 599.91     | 599.58      | -0.34  |
| 333      | 50       | Bias                | 599.58     | 599.24      | -0.34  |
| 334      | 50       | Bias                | 599.24     | 599.58      | 0.34   |
| 335      | 50       | Bias                | 598.56     | 598.56      | 0      |
| 336      | 50       | Bias                | 599.91     | 599.24      | -0.68  |
| 337      | 50       | Bias                | 599.58     | 599.91      | 0.34   |
| 338      | 50       | Unbiased            | 600.59     | 600.59      | 0      |
| 339      | 50       | Unbiased            | 603.88     | 599.91      | -3.963 |
| 340      | 50       | Unbiased            | 600.48     | 599.24      | -1.249 |
| 341      | 50       | Unbiased            | 599.13     | 598.56      | -0.57  |
| 342      | 50       | Unbiased            | 601.84     | 600.59      | -1.247 |
| 343      | 100      | Bias                | 602.18     | 599.91      | -2.266 |
| 344      | 100      | Bias                | 601.16     | 598.89      | -2.268 |
| 345      | 100      | Bias                | 603.2      | 599.91      | -3.284 |
| 346      | 100      | Bias                | 600.48     | 598.56      | -1.928 |
| 347      | 100      | Bias                | 601.5      | 601.61      | 0.111  |
| 348      | 100      | Unbiased            | 599.47     | 599.58      | 0.11   |
| 349      | 100      | Unbiased            | 600.14     | 598.89      | -1.249 |
| 350      | 100      | Unbiased            | 602.18     | 600.25      | -1.927 |
| 351      | 100      | Unbiased            | 599.8      | 598.56      | -1.249 |
| 352      | 100      | Unbiased            | 601.16     | 599.58      | -1.588 |

Test Statistics (mV)

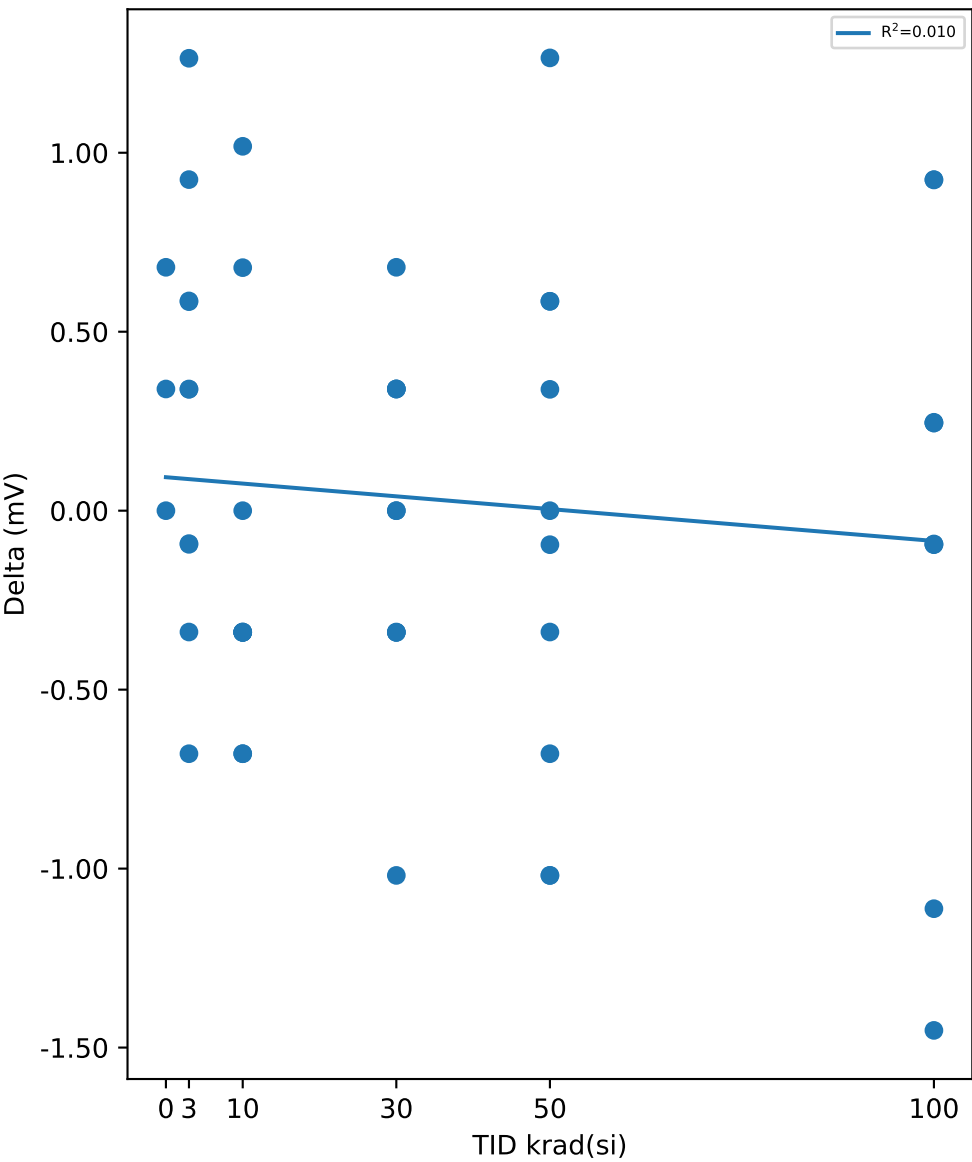
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 599.24           | 599.91           | 600.59           | 0.6795           | 599.24            | 600.37            | 601.27            | 1.0377            | 0         | 0.45267   | 1.358     | 0.78404   |
| 3        | 599.91           | 601.1            | 603.2            | 1.2669           | 598.89            | 600.02            | 601.27            | 0.75201           | -2.945    | -1.0883   | 0.45      | 1.2859    |
| 10       | 598.89           | 599.98           | 601.27           | 0.63645          | 598.56            | 599.74            | 601.27            | 0.83591           | -1.359    | -0.2378   | 0.679     | 0.53232   |
| 30       | 599.24           | 600.22           | 601.27           | 0.62936          | 598.89            | 599.68            | 600.59            | 0.45452           | -1.359    | -0.5435   | 0         | 0.48552   |
| 50       | 598.56           | 600.28           | 603.88           | 1.5651           | 598.56            | 599.54            | 600.59            | 0.72418           | -3.963    | -0.7369   | 0.34      | 1.2704    |
| 100      | 599.47           | 601.13           | 603.2            | 1.1808           | 598.56            | 599.57            | 601.61            | 0.93376           | -3.284    | -1.5538   | 0.111     | 1.055     |



TID vs Result Stats



TID vs Post - Pre Exposure Delta



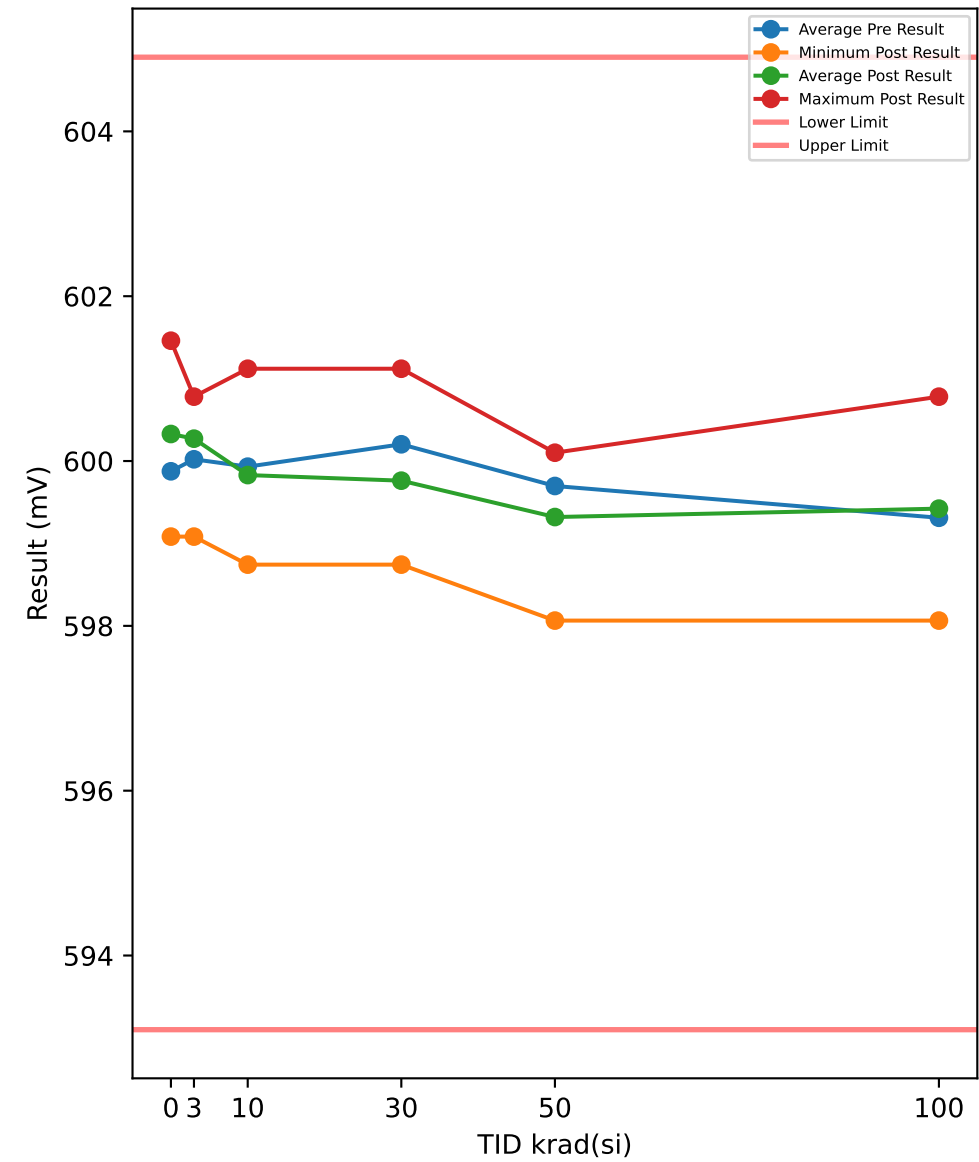
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 598.4      | 599.08      | 0.68   |
| 301      | 0        | Correlation         | 600.1      | 600.44      | 0.34   |
| 302      | 0        | Correlation         | 598.74     | 598.74      | 0      |
| 303      | 3        | Bias                | 599.18     | 599.76      | 0.586  |
| 304      | 3        | Bias                | 597.82     | 598.4       | 0.584  |
| 305      | 3        | Bias                | 598.84     | 598.74      | -0.094 |
| 306      | 3        | Bias                | 598.16     | 599.42      | 1.264  |
| 307      | 3        | Bias                | 599.85     | 599.76      | -0.092 |
| 308      | 3        | Unbiased            | 598.16     | 599.08      | 0.925  |
| 309      | 3        | Unbiased            | 599.08     | 599.42      | 0.339  |
| 310      | 3        | Unbiased            | 599.42     | 599.76      | 0.34   |
| 311      | 3        | Unbiased            | 599.76     | 599.08      | -0.679 |
| 312      | 3        | Unbiased            | 599.42     | 599.08      | -0.339 |
| 313      | 10       | Bias                | 598.4      | 598.06      | -0.339 |
| 314      | 10       | Bias                | 599.42     | 599.08      | -0.339 |
| 315      | 10       | Bias                | 598.74     | 598.4       | -0.34  |
| 316      | 10       | Bias                | 599.42     | 599.42      | 0      |
| 317      | 10       | Bias                | 599.08     | 598.74      | -0.34  |
| 318      | 10       | Unbiased            | 600.44     | 599.76      | -0.679 |
| 319      | 10       | Unbiased            | 598.4      | 597.72      | -0.679 |
| 320      | 10       | Unbiased            | 598.74     | 599.42      | 0.679  |
| 321      | 10       | Unbiased            | 599.08     | 598.74      | -0.34  |
| 322      | 10       | Unbiased            | 599.08     | 600.1       | 1.018  |
| 323      | 30       | Bias                | 599.08     | 599.08      | 0      |
| 324      | 30       | Bias                | 598.74     | 599.08      | 0.34   |
| 325      | 30       | Bias                | 599.76     | 599.42      | -0.34  |
| 326      | 30       | Bias                | 598.74     | 598.74      | 0      |
| 327      | 30       | Bias                | 599.08     | 598.74      | -0.34  |
| 328      | 30       | Unbiased            | 600.1      | 600.78      | 0.68   |
| 329      | 30       | Unbiased            | 598.4      | 598.74      | 0.34   |
| 330      | 30       | Unbiased            | 600.1      | 600.44      | 0.34   |
| 331      | 30       | Unbiased            | 598.4      | 598.06      | -0.339 |
| 332      | 30       | Unbiased            | 599.08     | 598.06      | -1.019 |
| 333      | 50       | Bias                | 599.42     | 599.42      | 0      |
| 334      | 50       | Bias                | 598.06     | 598.4       | 0.339  |
| 335      | 50       | Bias                | 598.74     | 597.72      | -1.019 |
| 336      | 50       | Bias                | 599.76     | 599.08      | -0.679 |
| 337      | 50       | Bias                | 599.42     | 598.4       | -1.019 |
| 338      | 50       | Unbiased            | 599.42     | 599.08      | -0.339 |
| 339      | 50       | Unbiased            | 598.16     | 598.74      | 0.585  |
| 340      | 50       | Unbiased            | 598.84     | 599.42      | 0.585  |
| 341      | 50       | Unbiased            | 597.82     | 597.72      | -0.095 |
| 342      | 50       | Unbiased            | 599.18     | 600.44      | 1.265  |
| 343      | 100      | Bias                | 598.84     | 597.38      | -1.452 |
| 344      | 100      | Bias                | 598.84     | 598.74      | -0.094 |
| 345      | 100      | Bias                | 599.18     | 599.08      | -0.093 |
| 346      | 100      | Bias                | 597.82     | 597.72      | -0.095 |
| 347      | 100      | Bias                | 600.19     | 600.44      | 0.247  |
| 348      | 100      | Unbiased            | 598.16     | 598.4       | 0.245  |
| 349      | 100      | Unbiased            | 597.48     | 597.72      | 0.245  |
| 350      | 100      | Unbiased            | 599.51     | 598.4       | -1.112 |
| 351      | 100      | Unbiased            | 597.82     | 598.74      | 0.924  |
| 352      | 100      | Unbiased            | 598.16     | 599.08      | 0.925  |

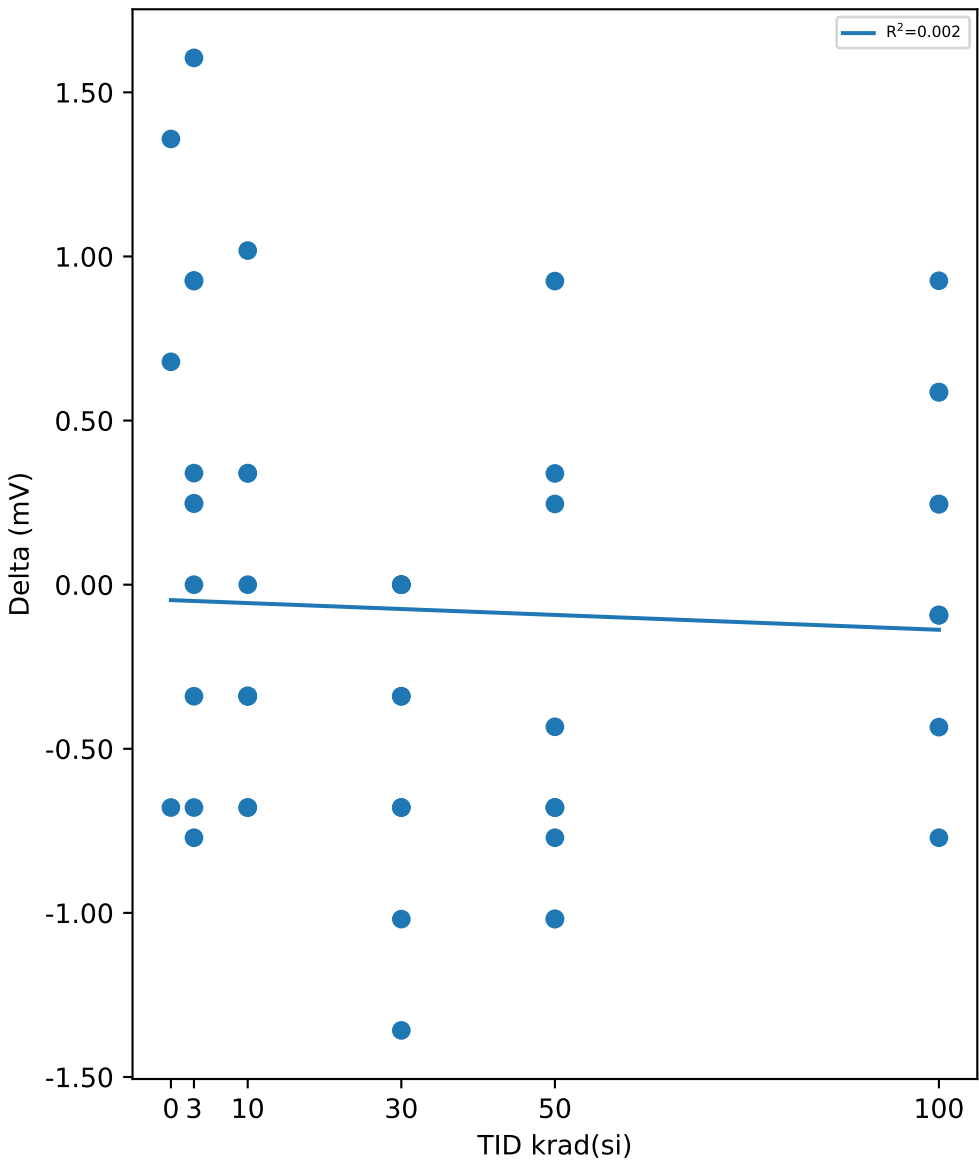
Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 598.4            | 599.08           | 600.1            | 0.89842          | 598.74            | 599.42            | 600.44            | 0.89842           | 0         | 0.34      | 0.68      | 0.34      |
| 3        | 597.82           | 598.97           | 599.85           | 0.70975          | 598.4             | 599.25            | 599.76            | 0.45991           | -0.679    | 0.2834    | 1.264     | 0.5924    |
| 10       | 598.4            | 599.08           | 600.44           | 0.59907          | 597.72            | 598.95            | 600.1             | 0.75427           | -0.679    | -0.1359   | 1.018     | 0.55891   |
| 30       | 598.4            | 599.15           | 600.1            | 0.63632          | 598.06            | 599.12            | 600.78            | 0.8978            | -1.019    | -0.0338   | 0.68      | 0.49242   |
| 50       | 597.82           | 598.88           | 599.76           | 0.67332          | 597.72            | 598.84            | 600.44            | 0.83272           | -1.019    | -0.0377   | 1.265     | 0.74886   |
| 100      | 597.48           | 598.6            | 600.19           | 0.86213          | 597.38            | 598.57            | 600.44            | 0.88054           | -1.452    | -0.026    | 0.925     | 0.76413   |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



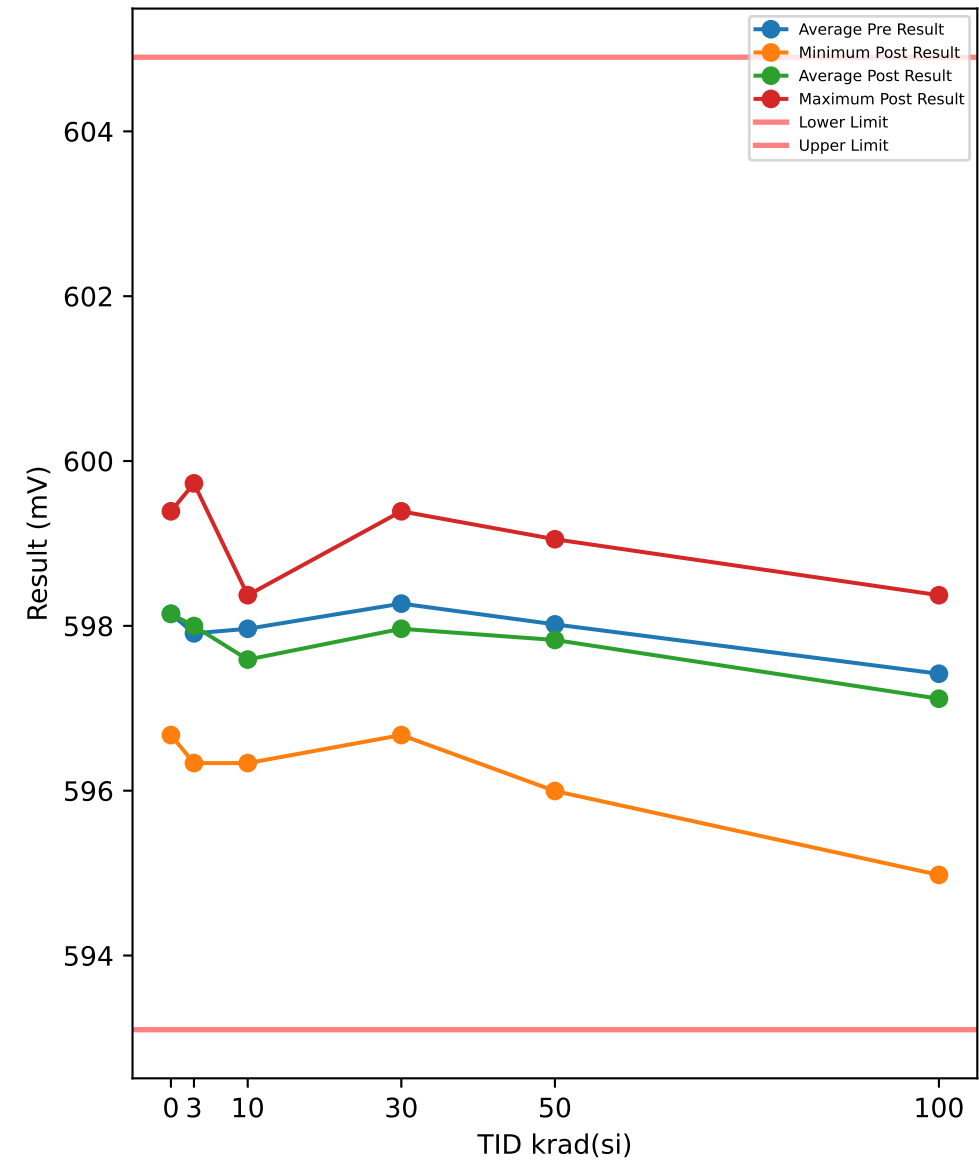
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 599.76     | 599.08      | -0.679 |
| 301      | 0        | Correlation         | 600.78     | 601.46      | 0.679  |
| 302      | 0        | Correlation         | 599.08     | 600.44      | 1.358  |
| 303      | 3        | Bias                | 599.85     | 600.78      | 0.927  |
| 304      | 3        | Bias                | 599.85     | 599.08      | -0.771 |
| 305      | 3        | Bias                | 599.18     | 600.78      | 1.605  |
| 306      | 3        | Bias                | 600.19     | 600.44      | 0.247  |
| 307      | 3        | Bias                | 600.53     | 600.78      | 0.248  |
| 308      | 3        | Unbiased            | 599.18     | 600.1       | 0.925  |
| 309      | 3        | Unbiased            | 600.44     | 600.1       | -0.34  |
| 310      | 3        | Unbiased            | 600.1      | 600.1       | 0      |
| 311      | 3        | Unbiased            | 600.44     | 600.78      | 0.34   |
| 312      | 3        | Unbiased            | 600.44     | 599.76      | -0.679 |
| 313      | 10       | Bias                | 599.08     | 598.74      | -0.34  |
| 314      | 10       | Bias                | 600.44     | 600.78      | 0.34   |
| 315      | 10       | Bias                | 599.08     | 600.1       | 1.018  |
| 316      | 10       | Bias                | 600.1      | 599.42      | -0.679 |
| 317      | 10       | Bias                | 599.76     | 599.42      | -0.34  |
| 318      | 10       | Unbiased            | 601.12     | 601.12      | 0      |
| 319      | 10       | Unbiased            | 599.42     | 599.08      | -0.339 |
| 320      | 10       | Unbiased            | 600.44     | 599.76      | -0.679 |
| 321      | 10       | Unbiased            | 599.76     | 600.1       | 0.339  |
| 322      | 10       | Unbiased            | 600.1      | 599.76      | -0.339 |
| 323      | 30       | Bias                | 599.76     | 599.76      | 0      |
| 324      | 30       | Bias                | 599.42     | 599.42      | 0      |
| 325      | 30       | Bias                | 601.46     | 601.12      | -0.34  |
| 326      | 30       | Bias                | 600.44     | 599.42      | -1.019 |
| 327      | 30       | Bias                | 600.44     | 600.1       | -0.34  |
| 328      | 30       | Unbiased            | 600.44     | 600.44      | 0      |
| 329      | 30       | Unbiased            | 599.42     | 598.74      | -0.679 |
| 330      | 30       | Unbiased            | 601.12     | 600.44      | -0.679 |
| 331      | 30       | Unbiased            | 599.42     | 599.42      | 0      |
| 332      | 30       | Unbiased            | 600.1      | 598.74      | -1.358 |
| 333      | 50       | Bias                | 600.1      | 599.08      | -1.018 |
| 334      | 50       | Bias                | 599.76     | 600.1       | 0.339  |
| 335      | 50       | Bias                | 599.76     | 599.08      | -0.679 |
| 336      | 50       | Bias                | 600.44     | 599.42      | -1.019 |
| 337      | 50       | Bias                | 599.76     | 599.08      | -0.679 |
| 338      | 50       | Unbiased            | 599.76     | 599.08      | -0.679 |
| 339      | 50       | Unbiased            | 599.18     | 600.1       | 0.925  |
| 340      | 50       | Unbiased            | 599.18     | 599.42      | 0.246  |
| 341      | 50       | Unbiased            | 598.5      | 598.06      | -0.433 |
| 342      | 50       | Unbiased            | 600.53     | 599.76      | -0.771 |
| 343      | 100      | Bias                | 599.18     | 599.42      | 0.246  |
| 344      | 100      | Bias                | 598.84     | 598.4       | -0.434 |
| 345      | 100      | Bias                | 599.51     | 600.44      | 0.926  |
| 346      | 100      | Bias                | 599.18     | 599.08      | -0.093 |
| 347      | 100      | Bias                | 600.19     | 600.78      | 0.587  |
| 348      | 100      | Unbiased            | 599.18     | 599.76      | 0.586  |
| 349      | 100      | Unbiased            | 597.82     | 598.06      | 0.245  |
| 350      | 100      | Unbiased            | 599.51     | 599.42      | -0.093 |
| 351      | 100      | Unbiased            | 599.85     | 599.76      | -0.092 |
| 352      | 100      | Unbiased            | 599.85     | 599.08      | -0.771 |

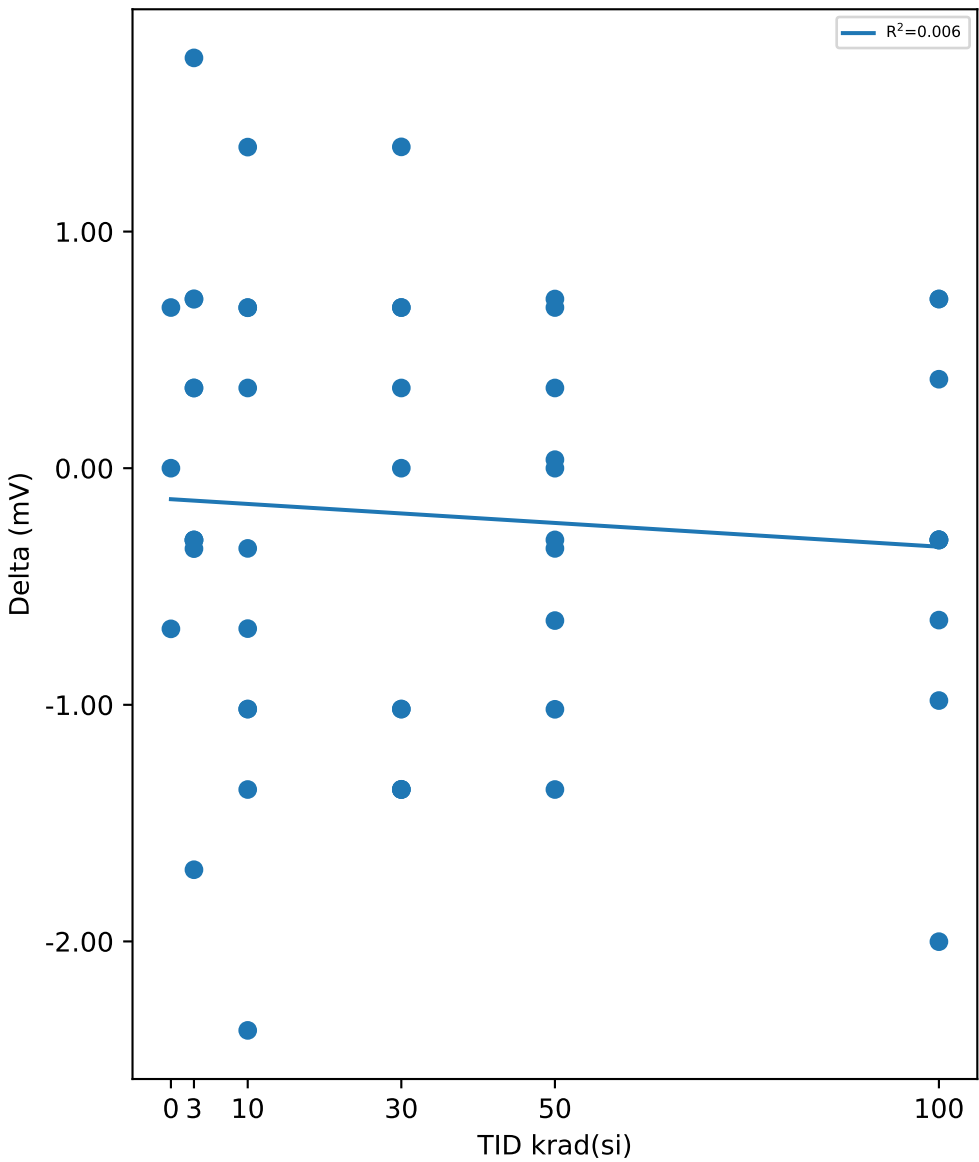
Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 599.08           | 599.88           | 600.78           | 0.85465          | 599.08            | 600.33            | 601.46            | 1.1925            | -0.679    | 0.45267   | 1.358     | 1.0372    |
| 3        | 599.18           | 600.02           | 600.53           | 0.50679          | 599.08            | 600.27            | 600.78            | 0.5604            | -0.771    | 0.2502    | 1.605     | 0.75086   |
| 10       | 599.08           | 599.93           | 601.12           | 0.64516          | 598.74            | 599.83            | 601.12            | 0.73008           | -0.679    | -0.1019   | 1.018     | 0.53189   |
| 30       | 599.42           | 600.2            | 601.46           | 0.71691          | 598.74            | 599.76            | 601.12            | 0.76773           | -1.358    | -0.4415   | 0         | 0.4815    |
| 50       | 598.5            | 599.7            | 600.53           | 0.61603          | 598.06            | 599.32            | 600.1             | 0.59984           | -1.019    | -0.3768   | 0.925     | 0.65413   |
| 100      | 597.82           | 599.31           | 600.19           | 0.66316          | 598.06            | 599.42            | 600.78            | 0.83192           | -0.771    | 0.1107    | 0.926     | 0.51121   |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



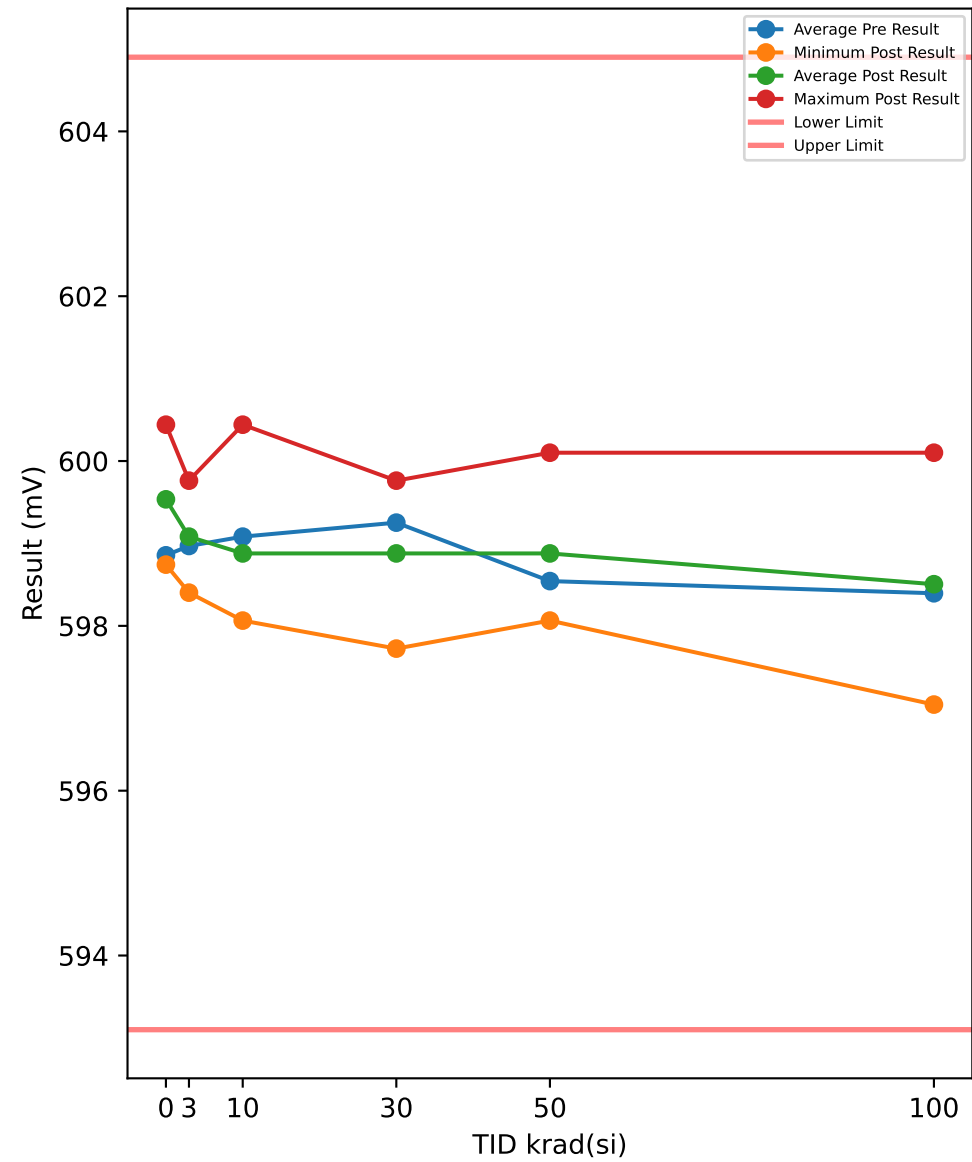
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 598.71     | 599.39      | 0.679  |
| 301      | 0        | Correlation         | 598.37     | 598.37      | 0      |
| 302      | 0        | Correlation         | 597.35     | 596.67      | -0.679 |
| 303      | 3        | Bias                | 596.64     | 598.37      | 1.734  |
| 304      | 3        | Bias                | 597.66     | 597.35      | -0.303 |
| 305      | 3        | Bias                | 598.68     | 598.37      | -0.304 |
| 306      | 3        | Bias                | 598.34     | 598.03      | -0.304 |
| 307      | 3        | Bias                | 599.01     | 599.73      | 0.714  |
| 308      | 3        | Unbiased            | 596.64     | 597.35      | 0.716  |
| 309      | 3        | Unbiased            | 597.69     | 598.03      | 0.339  |
| 310      | 3        | Unbiased            | 598.03     | 596.34      | -1.697 |
| 311      | 3        | Unbiased            | 599.05     | 598.71      | -0.34  |
| 312      | 3        | Unbiased            | 597.35     | 597.69      | 0.339  |
| 313      | 10       | Bias                | 596.67     | 598.03      | 1.357  |
| 314      | 10       | Bias                | 597.35     | 598.03      | 0.678  |
| 315      | 10       | Bias                | 597.69     | 596.67      | -1.018 |
| 316      | 10       | Bias                | 599.39     | 598.37      | -1.018 |
| 317      | 10       | Bias                | 596.67     | 597.35      | 0.679  |
| 318      | 10       | Unbiased            | 599.39     | 598.03      | -1.358 |
| 319      | 10       | Unbiased            | 598.03     | 597.35      | -0.678 |
| 320      | 10       | Unbiased            | 598.71     | 596.34      | -2.376 |
| 321      | 10       | Unbiased            | 597.69     | 598.03      | 0.339  |
| 322      | 10       | Unbiased            | 598.03     | 597.69      | -0.339 |
| 323      | 30       | Bias                | 598.37     | 597.35      | -1.018 |
| 324      | 30       | Bias                | 599.39     | 598.03      | -1.358 |
| 325      | 30       | Bias                | 598.03     | 599.39      | 1.358  |
| 326      | 30       | Bias                | 596.67     | 597.35      | 0.679  |
| 327      | 30       | Bias                | 599.05     | 597.69      | -1.358 |
| 328      | 30       | Unbiased            | 598.03     | 598.71      | 0.679  |
| 329      | 30       | Unbiased            | 597.69     | 596.67      | -1.018 |
| 330      | 30       | Unbiased            | 599.05     | 599.05      | 0      |
| 331      | 30       | Unbiased            | 598.37     | 598.71      | 0.339  |
| 332      | 30       | Unbiased            | 598.03     | 596.67      | -1.357 |
| 333      | 50       | Bias                | 598.37     | 599.05      | 0.679  |
| 334      | 50       | Bias                | 597.69     | 598.03      | 0.339  |
| 335      | 50       | Bias                | 597.35     | 596         | -1.358 |
| 336      | 50       | Bias                | 598.03     | 598.03      | 0      |
| 337      | 50       | Bias                | 599.05     | 598.03      | -1.019 |
| 338      | 50       | Unbiased            | 598.03     | 597.69      | -0.339 |
| 339      | 50       | Unbiased            | 598        | 598.03      | 0.036  |
| 340      | 50       | Unbiased            | 596.98     | 597.69      | 0.715  |
| 341      | 50       | Unbiased            | 598        | 597.69      | -0.303 |
| 342      | 50       | Unbiased            | 598.68     | 598.03      | -0.644 |
| 343      | 100      | Bias                | 596.98     | 597.69      | 0.715  |
| 344      | 100      | Bias                | 598.34     | 598.03      | -0.304 |
| 345      | 100      | Bias                | 597.66     | 596.67      | -0.982 |
| 346      | 100      | Bias                | 598        | 597.69      | -0.303 |
| 347      | 100      | Bias                | 597.66     | 598.37      | 0.715  |
| 348      | 100      | Unbiased            | 596.64     | 597.01      | 0.376  |
| 349      | 100      | Unbiased            | 596.98     | 596.67      | -0.303 |
| 350      | 100      | Unbiased            | 598.68     | 596.67      | -2.001 |
| 351      | 100      | Unbiased            | 595.28     | 594.98      | -0.302 |
| 352      | 100      | Unbiased            | 598        | 597.35      | -0.642 |

Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|-----------|
| 0        | 597.35           | 598.15           | 598.71           | 0.70625          | 596.67            | 598.15            | 599.39            | 1.3716            | -0.679    | -3.7896e-14 | 0.679     | 0.679     |
| 3        | 596.64           | 597.91           | 599.05           | 0.87953          | 596.34            | 598               | 599.73            | 0.91134           | -1.697    | 0.0894      | 1.734     | 0.90989   |
| 10       | 596.67           | 597.96           | 599.39           | 0.97047          | 596.34            | 597.59            | 598.37            | 0.66057           | -2.376    | -0.3734     | 1.357     | 1.1363    |
| 30       | 596.67           | 598.27           | 599.39           | 0.78472          | 596.67            | 597.96            | 599.39            | 0.97047           | -1.358    | -0.3054     | 1.358     | 1.0302    |
| 50       | 596.98           | 598.02           | 599.05           | 0.60137          | 596               | 597.83            | 599.05            | 0.75386           | -1.358    | -0.1894     | 0.715     | 0.68587   |
| 100      | 595.28           | 597.42           | 598.68           | 0.98738          | 594.98            | 597.12            | 598.37            | 0.96055           | -2.001    | -0.3031     | 0.715     | 0.81601   |

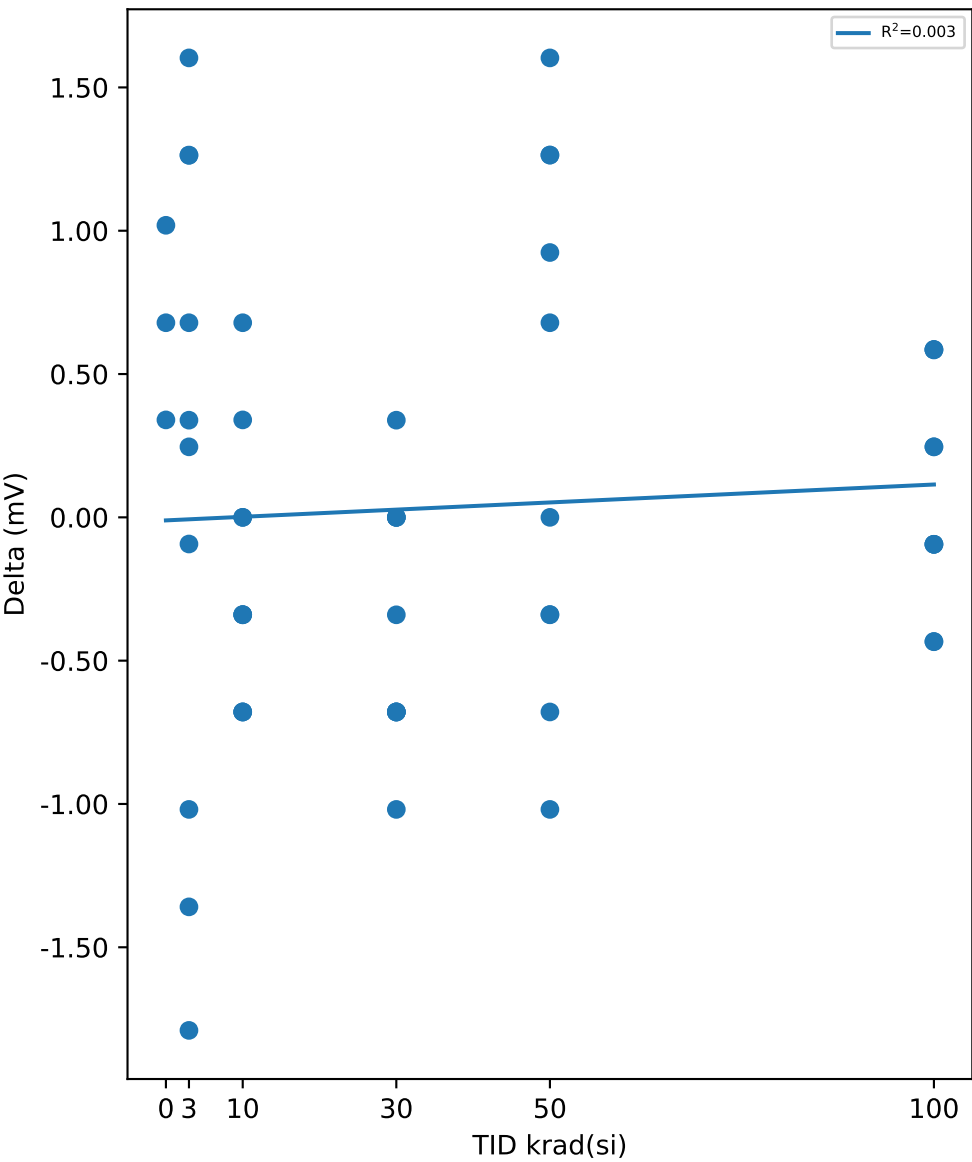
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 598.74     | 599.42      | 0.679  |
| 301      | 0        | Correlation         | 599.42     | 600.44      | 1.019  |
| 302      | 0        | Correlation         | 598.4      | 598.74      | 0.34   |
| 303      | 3        | Bias                | 597.82     | 599.08      | 1.264  |
| 304      | 3        | Bias                | 597.14     | 598.4       | 1.263  |
| 305      | 3        | Bias                | 600.53     | 598.74      | -1.79  |
| 306      | 3        | Bias                | 598.5      | 598.74      | 0.246  |
| 307      | 3        | Bias                | 599.18     | 599.08      | -0.093 |
| 308      | 3        | Unbiased            | 597.82     | 599.42      | 1.603  |
| 309      | 3        | Unbiased            | 600.78     | 599.42      | -1.359 |
| 310      | 3        | Unbiased            | 599.08     | 599.76      | 0.679  |
| 311      | 3        | Unbiased            | 599.76     | 598.74      | -1.019 |
| 312      | 3        | Unbiased            | 599.08     | 599.42      | 0.339  |
| 313      | 10       | Bias                | 597.72     | 598.06      | 0.34   |
| 314      | 10       | Bias                | 599.76     | 599.76      | 0      |
| 315      | 10       | Bias                | 598.74     | 598.74      | 0      |
| 316      | 10       | Bias                | 599.42     | 598.74      | -0.679 |
| 317      | 10       | Bias                | 599.08     | 598.74      | -0.34  |
| 318      | 10       | Unbiased            | 599.76     | 600.44      | 0.679  |
| 319      | 10       | Unbiased            | 598.4      | 598.06      | -0.339 |
| 320      | 10       | Unbiased            | 599.42     | 598.74      | -0.679 |
| 321      | 10       | Unbiased            | 599.08     | 598.74      | -0.34  |
| 322      | 10       | Unbiased            | 599.42     | 598.74      | -0.679 |
| 323      | 30       | Bias                | 599.76     | 598.74      | -1.019 |
| 324      | 30       | Bias                | 598.74     | 598.74      | 0      |
| 325      | 30       | Bias                | 599.76     | 599.76      | 0      |
| 326      | 30       | Bias                | 599.08     | 598.74      | -0.34  |
| 327      | 30       | Bias                | 599.42     | 598.74      | -0.679 |
| 328      | 30       | Unbiased            | 600.44     | 599.76      | -0.679 |
| 329      | 30       | Unbiased            | 599.08     | 599.08      | 0      |
| 330      | 30       | Unbiased            | 599.76     | 599.08      | -0.679 |
| 331      | 30       | Unbiased            | 598.06     | 598.4       | 0.339  |
| 332      | 30       | Unbiased            | 598.4      | 597.72      | -0.679 |
| 333      | 50       | Bias                | 599.42     | 599.08      | -0.339 |
| 334      | 50       | Bias                | 599.08     | 598.06      | -1.019 |
| 335      | 50       | Bias                | 598.74     | 598.06      | -0.679 |
| 336      | 50       | Bias                | 598.74     | 598.74      | 0      |
| 337      | 50       | Bias                | 598.74     | 598.4       | -0.34  |
| 338      | 50       | Unbiased            | 599.08     | 599.76      | 0.679  |
| 339      | 50       | Unbiased            | 597.82     | 599.42      | 1.603  |
| 340      | 50       | Unbiased            | 597.82     | 599.08      | 1.264  |
| 341      | 50       | Unbiased            | 597.14     | 598.06      | 0.924  |
| 342      | 50       | Unbiased            | 598.84     | 600.1       | 1.264  |
| 343      | 100      | Bias                | 598.16     | 598.74      | 0.585  |
| 344      | 100      | Bias                | 597.82     | 598.4       | 0.584  |
| 345      | 100      | Bias                | 598.84     | 599.08      | 0.246  |
| 346      | 100      | Bias                | 598.5      | 598.06      | -0.433 |
| 347      | 100      | Bias                | 599.51     | 600.1       | 0.586  |
| 348      | 100      | Unbiased            | 598.16     | 598.06      | -0.094 |
| 349      | 100      | Unbiased            | 597.48     | 597.04      | -0.434 |
| 350      | 100      | Unbiased            | 598.84     | 599.08      | 0.246  |
| 351      | 100      | Unbiased            | 598.5      | 598.4       | -0.094 |
| 352      | 100      | Unbiased            | 598.16     | 598.06      | -0.094 |

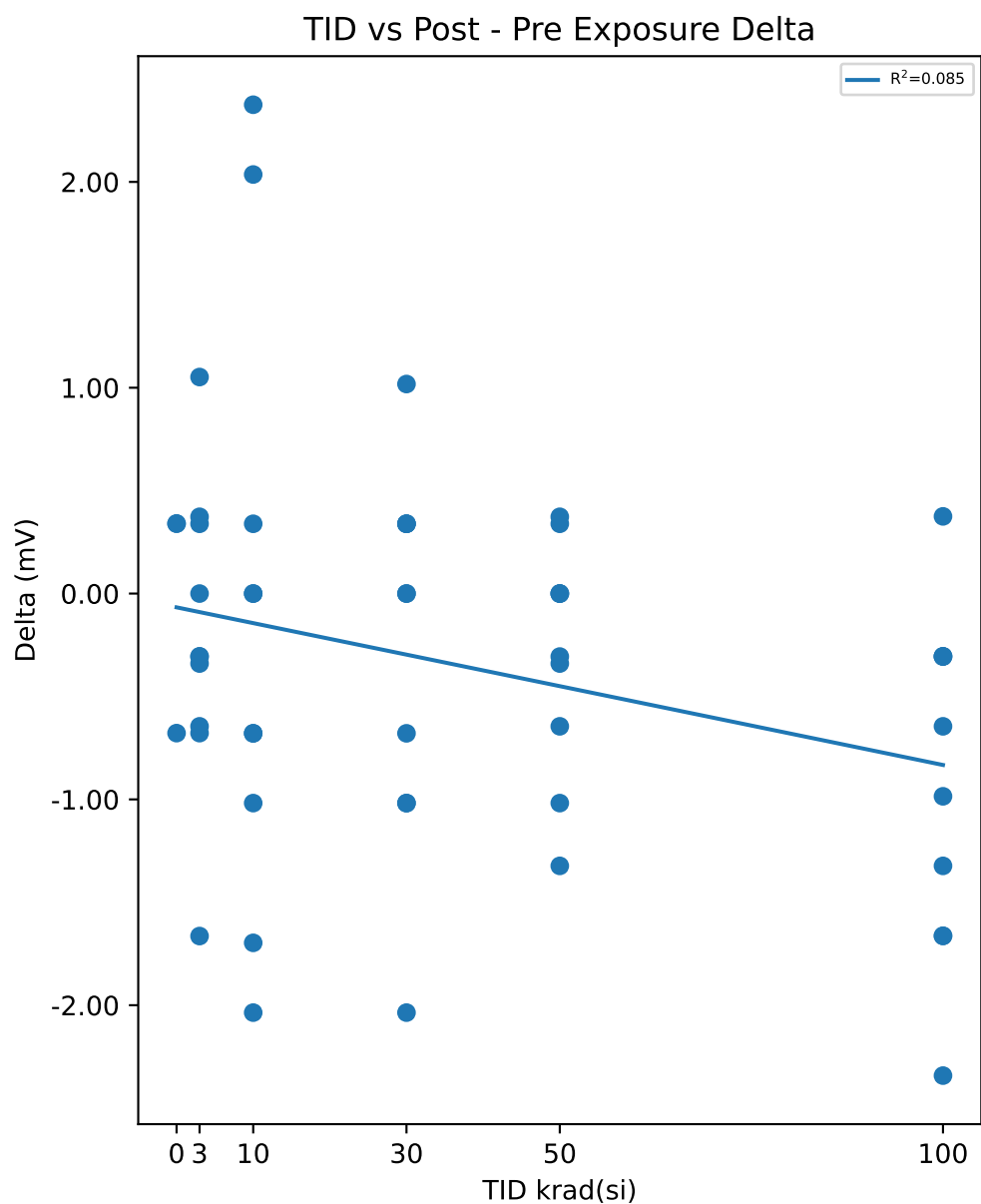
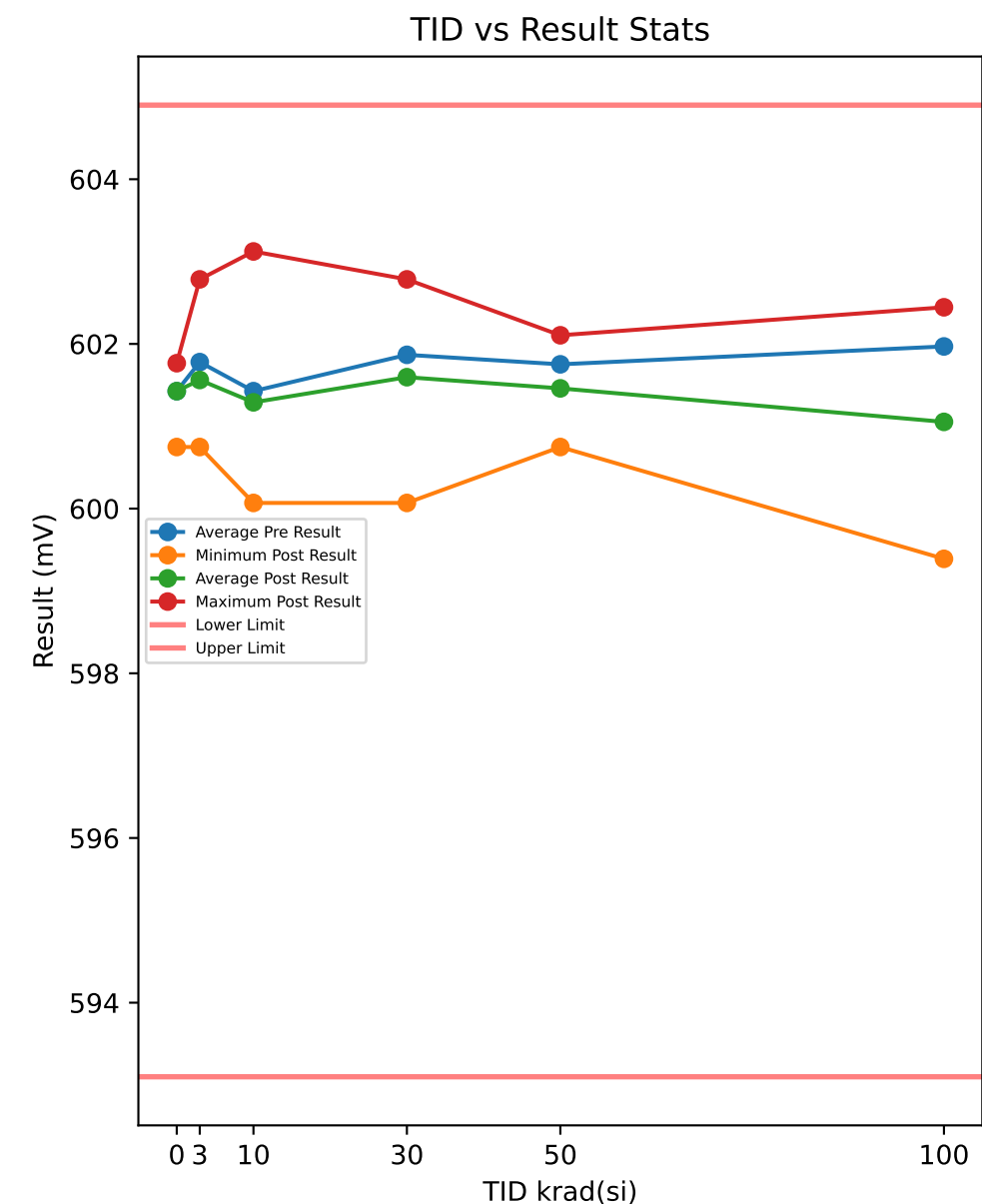
TID vs Post - Pre Exposure Delta



Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 598.4            | 598.86           | 599.42           | 0.51881          | 598.74            | 599.54            | 600.44            | 0.85465           | 0.34      | 0.67933   | 1.019     | 0.3395    |
| 3        | 597.14           | 598.97           | 600.78           | 1.1851           | 598.4             | 599.08            | 599.76            | 0.42361           | -1.79     | 0.1133    | 1.603     | 1.1723    |
| 10       | 597.72           | 599.08           | 599.76           | 0.64046          | 598.06            | 598.88            | 600.44            | 0.71949           | -0.679    | -0.2037   | 0.679     | 0.45837   |
| 30       | 598.06           | 599.25           | 600.44           | 0.72044          | 597.72            | 598.88            | 599.76            | 0.60343           | -1.019    | -0.3736   | 0.339     | 0.43682   |
| 50       | 597.14           | 598.54           | 599.42           | 0.71329          | 598.06            | 598.88            | 600.1             | 0.73702           | -1.019    | 0.3357    | 1.603     | 0.92393   |
| 100      | 597.48           | 598.4            | 599.51           | 0.57786          | 597.04            | 598.51            | 600.1             | 0.81703           | -0.434    | 0.1098    | 0.586     | 0.39854   |

## Device Test: 13.30 ; VTH\_SENSE



Test Results (Lower Limit = 593.1,  
Upper Limit = 604.9 (mV))

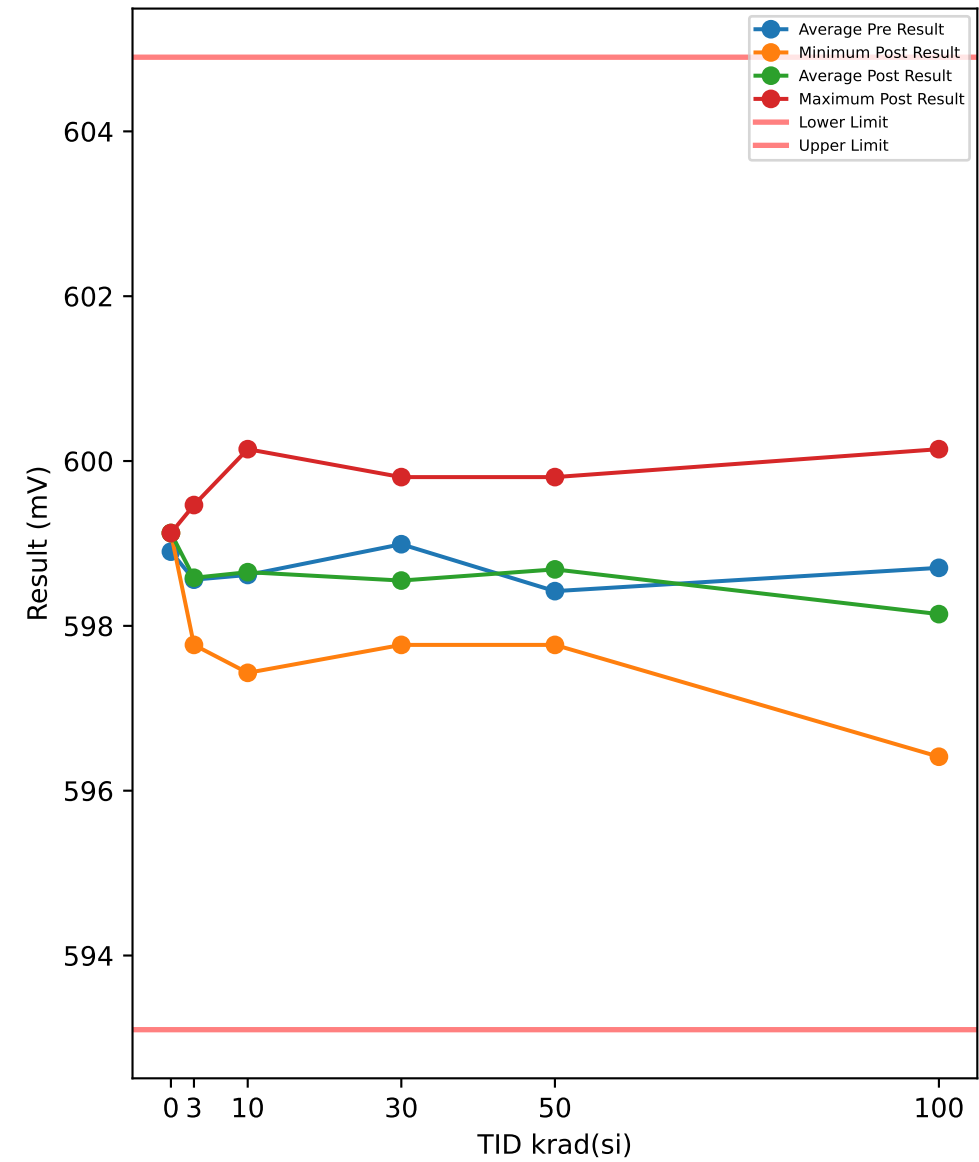
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 601.43     | 601.77      | 0.34   |
| 301      | 0        | Correlation         | 601.43     | 601.77      | 0.34   |
| 302      | 0        | Correlation         | 601.43     | 600.75      | -0.678 |
| 303      | 3        | Bias                | 601.05     | 600.75      | -0.305 |
| 304      | 3        | Bias                | 601.73     | 601.09      | -0.645 |
| 305      | 3        | Bias                | 602.41     | 602.11      | -0.306 |
| 306      | 3        | Bias                | 601.73     | 602.78      | 1.052  |
| 307      | 3        | Bias                | 603.09     | 601.43      | -1.664 |
| 308      | 3        | Unbiased            | 601.05     | 601.43      | 0.373  |
| 309      | 3        | Unbiased            | 601.77     | 601.77      | 0      |
| 310      | 3        | Unbiased            | 601.09     | 601.43      | 0.339  |
| 311      | 3        | Unbiased            | 602.45     | 602.11      | -0.34  |
| 312      | 3        | Unbiased            | 601.43     | 600.75      | -0.678 |
| 313      | 10       | Bias                | 600.75     | 600.75      | 0      |
| 314      | 10       | Bias                | 602.11     | 601.43      | -0.679 |
| 315      | 10       | Bias                | 599.05     | 601.09      | 2.036  |
| 316      | 10       | Bias                | 602.78     | 600.75      | -2.036 |
| 317      | 10       | Bias                | 601.09     | 600.07      | -1.018 |
| 318      | 10       | Unbiased            | 602.45     | 602.78      | 0.339  |
| 319      | 10       | Unbiased            | 601.77     | 601.09      | -0.679 |
| 320      | 10       | Unbiased            | 602.45     | 600.75      | -1.697 |
| 321      | 10       | Unbiased            | 601.09     | 601.09      | 0      |
| 322      | 10       | Unbiased            | 600.75     | 603.12      | 2.375  |
| 323      | 30       | Bias                | 601.09     | 601.43      | 0.339  |
| 324      | 30       | Bias                | 602.78     | 602.78      | 0      |
| 325      | 30       | Bias                | 602.45     | 602.78      | 0.339  |
| 326      | 30       | Bias                | 600.75     | 601.77      | 1.018  |
| 327      | 30       | Bias                | 602.11     | 600.07      | -2.036 |
| 328      | 30       | Unbiased            | 602.78     | 601.77      | -1.018 |
| 329      | 30       | Unbiased            | 600.75     | 600.75      | 0      |
| 330      | 30       | Unbiased            | 603.12     | 602.11      | -1.018 |
| 331      | 30       | Unbiased            | 601.77     | 602.11      | 0.339  |
| 332      | 30       | Unbiased            | 601.09     | 600.41      | -0.679 |
| 333      | 50       | Bias                | 601.77     | 601.77      | 0      |
| 334      | 50       | Bias                | 601.43     | 601.43      | 0      |
| 335      | 50       | Bias                | 601.09     | 601.43      | 0.339  |
| 336      | 50       | Bias                | 600.75     | 600.75      | 0      |
| 337      | 50       | Bias                | 603.12     | 602.11      | -1.018 |
| 338      | 50       | Unbiased            | 602.45     | 602.11      | -0.34  |
| 339      | 50       | Unbiased            | 602.07     | 601.43      | -0.645 |
| 340      | 50       | Unbiased            | 601.05     | 601.43      | 0.373  |
| 341      | 50       | Unbiased            | 602.07     | 600.75      | -1.323 |
| 342      | 50       | Unbiased            | 601.73     | 601.43      | -0.306 |
| 343      | 100      | Bias                | 603.09     | 602.11      | -0.985 |
| 344      | 100      | Bias                | 602.41     | 602.11      | -0.306 |
| 345      | 100      | Bias                | 602.07     | 601.77      | -0.305 |
| 346      | 100      | Bias                | 601.05     | 600.75      | -0.305 |
| 347      | 100      | Bias                | 603.09     | 602.45      | -0.645 |
| 348      | 100      | Unbiased            | 602.07     | 600.41      | -1.663 |
| 349      | 100      | Unbiased            | 602.07     | 600.75      | -1.323 |
| 350      | 100      | Unbiased            | 602.41     | 600.75      | -1.663 |
| 351      | 100      | Unbiased            | 599.01     | 599.39      | 0.375  |
| 352      | 100      | Unbiased            | 602.41     | 600.07      | -2.342 |

Test Statistics (mV)

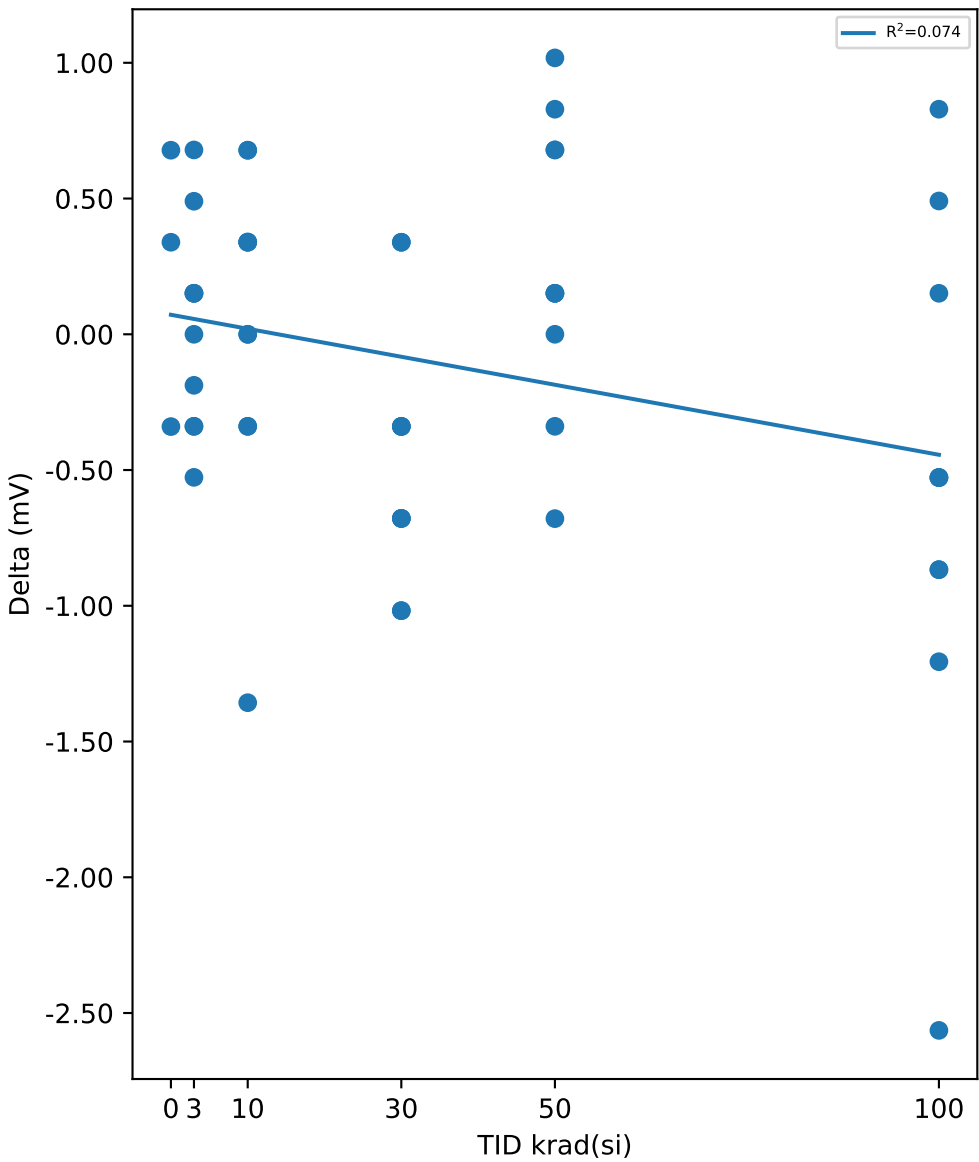
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 601.43           | 601.43           | 601.43           | 0                | 600.75            | 601.43            | 601.77            | 0.58774           | -0.678    | 0.00066667 | 0.34      | 0.58774   |
| 3        | 601.05           | 601.78           | 603.09           | 0.68507          | 600.75            | 601.56            | 602.78            | 0.64385           | -1.664    | -0.2174    | 1.052     | 0.73295   |
| 10       | 599.05           | 601.43           | 602.78           | 1.1199           | 600.07            | 601.29            | 603.12            | 0.94904           | -2.036    | -0.1359    | 2.375     | 1.4414    |
| 30       | 600.75           | 601.87           | 603.12           | 0.90562          | 600.07            | 601.6             | 602.78            | 0.93629           | -2.036    | -0.2716    | 1.018     | 0.902     |
| 50       | 600.75           | 601.75           | 603.12           | 0.71563          | 600.75            | 601.46            | 602.11            | 0.46492           | -1.323    | -0.292     | 0.373     | 0.5591    |
| 100      | 599.01           | 601.97           | 603.09           | 1.1877           | 599.39            | 601.05            | 602.45            | 1.0049            | -2.342    | -0.9162    | 0.375     | 0.82857   |



TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

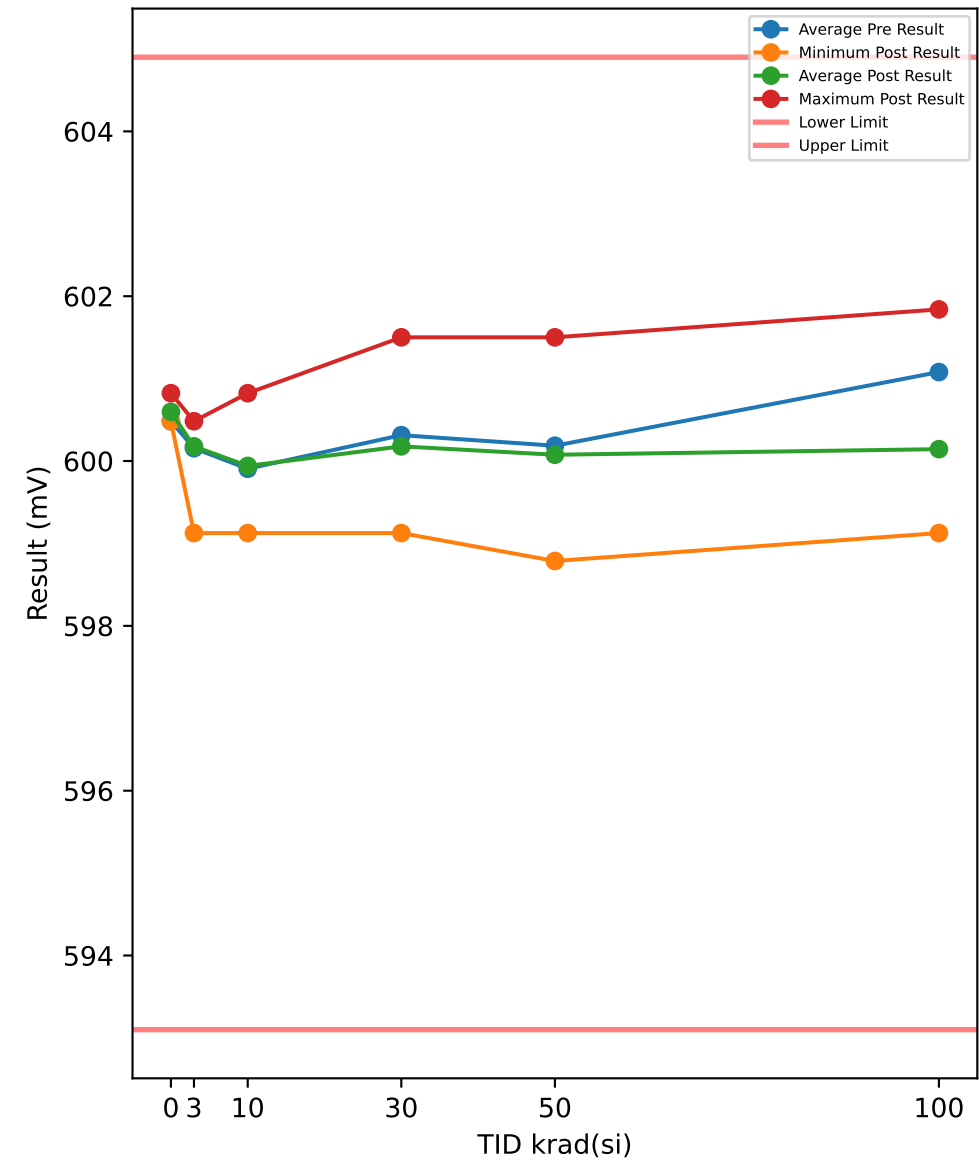
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 599.47     | 599.13      | -0.34  |
| 301      | 0        | Correlation         | 598.45     | 599.13      | 0.678  |
| 302      | 0        | Correlation         | 598.79     | 599.13      | 0.339  |
| 303      | 3        | Bias                | 598.98     | 599.13      | 0.151  |
| 304      | 3        | Bias                | 598.98     | 598.45      | -0.527 |
| 305      | 3        | Bias                | 598.3      | 598.79      | 0.49   |
| 306      | 3        | Bias                | 598.3      | 598.45      | 0.151  |
| 307      | 3        | Bias                | 597.96     | 597.77      | -0.188 |
| 308      | 3        | Unbiased            | 598.98     | 599.13      | 0.151  |
| 309      | 3        | Unbiased            | 598.45     | 598.11      | -0.339 |
| 310      | 3        | Unbiased            | 598.79     | 599.47      | 0.679  |
| 311      | 3        | Unbiased            | 599.13     | 598.79      | -0.339 |
| 312      | 3        | Unbiased            | 597.77     | 597.77      | 0      |
| 313      | 10       | Bias                | 597.77     | 597.43      | -0.339 |
| 314      | 10       | Bias                | 597.77     | 597.77      | 0      |
| 315      | 10       | Bias                | 598.45     | 598.79      | 0.339  |
| 316      | 10       | Bias                | 599.13     | 599.47      | 0.34   |
| 317      | 10       | Bias                | 598.79     | 598.45      | -0.339 |
| 318      | 10       | Unbiased            | 599.47     | 600.14      | 0.678  |
| 319      | 10       | Unbiased            | 598.79     | 598.79      | 0      |
| 320      | 10       | Unbiased            | 598.45     | 598.79      | 0.339  |
| 321      | 10       | Unbiased            | 598.11     | 598.79      | 0.678  |
| 322      | 10       | Unbiased            | 599.47     | 598.11      | -1.357 |
| 323      | 30       | Bias                | 598.79     | 597.77      | -1.018 |
| 324      | 30       | Bias                | 599.47     | 599.13      | -0.34  |
| 325      | 30       | Bias                | 599.47     | 598.79      | -0.679 |
| 326      | 30       | Bias                | 599.13     | 598.45      | -0.678 |
| 327      | 30       | Bias                | 598.11     | 598.45      | 0.339  |
| 328      | 30       | Unbiased            | 600.14     | 599.8       | -0.339 |
| 329      | 30       | Unbiased            | 598.79     | 598.11      | -0.678 |
| 330      | 30       | Unbiased            | 599.8      | 598.79      | -1.018 |
| 331      | 30       | Unbiased            | 598.79     | 598.45      | -0.339 |
| 332      | 30       | Unbiased            | 597.43     | 597.77      | 0.339  |
| 333      | 50       | Bias                | 599.13     | 599.8       | 0.679  |
| 334      | 50       | Bias                | 598.11     | 598.11      | 0      |
| 335      | 50       | Bias                | 598.45     | 597.77      | -0.679 |
| 336      | 50       | Bias                | 599.13     | 598.79      | -0.339 |
| 337      | 50       | Bias                | 597.77     | 598.45      | 0.679  |
| 338      | 50       | Unbiased            | 598.45     | 599.47      | 1.018  |
| 339      | 50       | Unbiased            | 598.3      | 599.13      | 0.829  |
| 340      | 50       | Unbiased            | 598.3      | 598.45      | 0.151  |
| 341      | 50       | Unbiased            | 597.62     | 597.77      | 0.151  |
| 342      | 50       | Unbiased            | 598.98     | 599.13      | 0.151  |
| 343      | 100      | Bias                | 598.98     | 598.45      | -0.527 |
| 344      | 100      | Bias                | 598.64     | 597.77      | -0.867 |
| 345      | 100      | Bias                | 598.3      | 597.77      | -0.528 |
| 346      | 100      | Bias                | 597.96     | 598.45      | 0.491  |
| 347      | 100      | Bias                | 599.32     | 600.14      | 0.829  |
| 348      | 100      | Unbiased            | 597.62     | 596.41      | -1.206 |
| 349      | 100      | Unbiased            | 600.33     | 597.77      | -2.564 |
| 350      | 100      | Unbiased            | 599.32     | 598.79      | -0.528 |
| 351      | 100      | Unbiased            | 598.3      | 597.43      | -0.867 |
| 352      | 100      | Unbiased            | 598.3      | 598.45      | 0.151  |

Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 598.45           | 598.9            | 599.47           | 0.51838          | 599.13            | 599.13            | 599.13            | 0                 | -0.34     | 0.22567   | 0.678     | 0.51838   |
| 3        | 597.77           | 598.56           | 599.13           | 0.47478          | 597.77            | 598.58            | 599.47            | 0.58108           | -0.527    | 0.0229    | 0.679     | 0.38111   |
| 10       | 597.77           | 598.62           | 599.47           | 0.62467          | 597.43            | 598.65            | 600.14            | 0.78677           | -1.357    | 0.0339    | 0.678     | 0.60778   |
| 30       | 597.43           | 598.99           | 600.14           | 0.80284          | 597.77            | 598.55            | 599.8             | 0.62046           | -1.018    | -0.4411   | 0.339     | 0.48105   |
| 50       | 597.62           | 598.42           | 599.13           | 0.52709          | 597.77            | 598.69            | 599.8             | 0.69809           | -0.679    | 0.264     | 1.018     | 0.53677   |
| 100      | 597.62           | 598.7            | 600.33           | 0.79671          | 596.41            | 598.14            | 600.14            | 0.97878           | -2.564    | -0.5616   | 0.829     | 0.95245   |



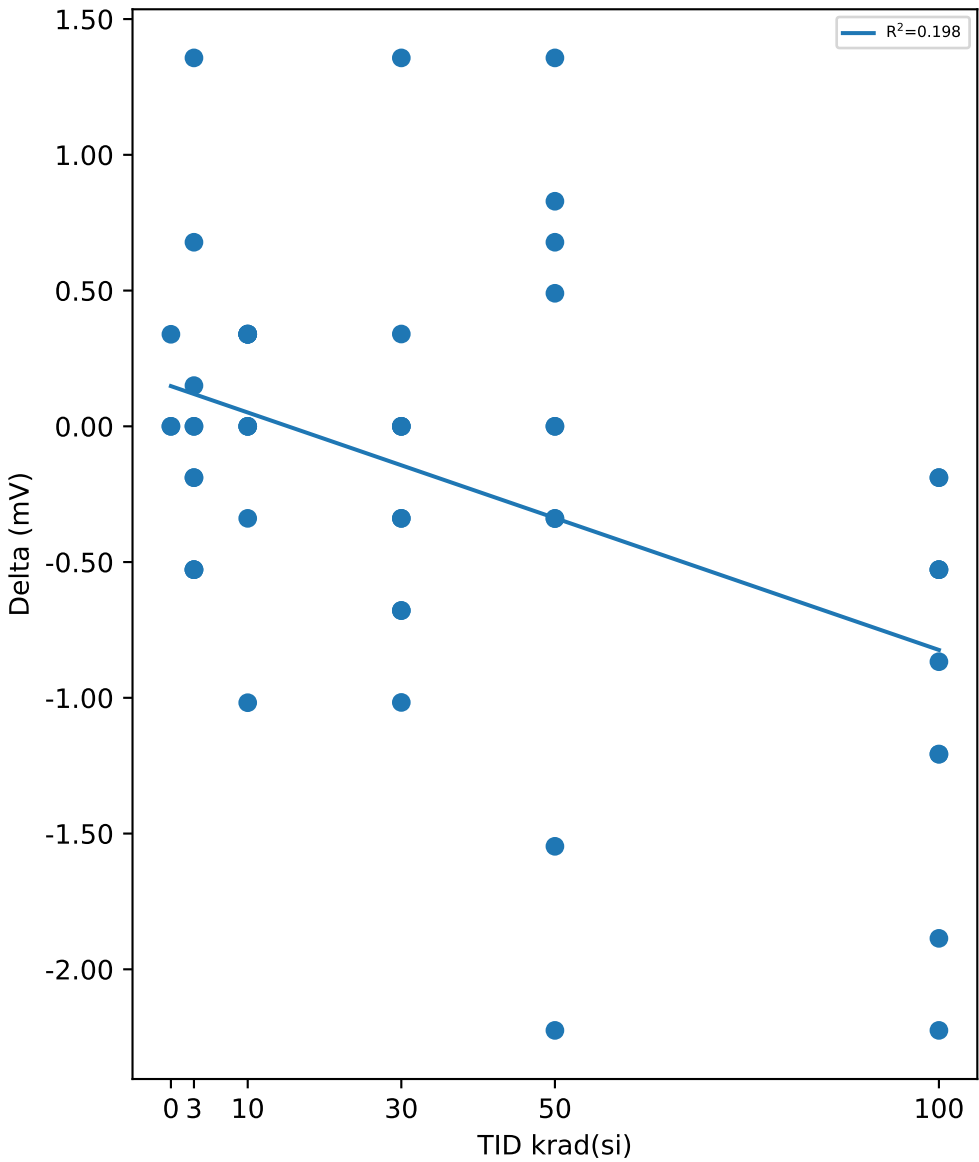
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 600.14     | 600.48      | 0.339  |
| 301      | 0        | Correlation         | 600.82     | 600.82      | 0      |
| 302      | 0        | Correlation         | 600.48     | 600.48      | 0      |
| 303      | 3        | Bias                | 600.33     | 600.48      | 0.15   |
| 304      | 3        | Bias                | 600.33     | 599.8       | -0.528 |
| 305      | 3        | Bias                | 600.67     | 600.14      | -0.528 |
| 306      | 3        | Bias                | 600.67     | 600.48      | -0.189 |
| 307      | 3        | Bias                | 600.67     | 600.14      | -0.528 |
| 308      | 3        | Unbiased            | 600.33     | 600.14      | -0.189 |
| 309      | 3        | Unbiased            | 599.8      | 600.48      | 0.678  |
| 310      | 3        | Unbiased            | 600.48     | 600.48      | 0      |
| 311      | 3        | Unbiased            | 599.13     | 600.48      | 1.357  |
| 312      | 3        | Unbiased            | 599.13     | 599.13      | 0      |
| 313      | 10       | Bias                | 598.79     | 599.13      | 0.339  |
| 314      | 10       | Bias                | 599.8      | 599.8       | 0      |
| 315      | 10       | Bias                | 599.8      | 600.14      | 0.339  |
| 316      | 10       | Bias                | 600.48     | 600.48      | 0      |
| 317      | 10       | Bias                | 599.13     | 599.47      | 0.34   |
| 318      | 10       | Unbiased            | 600.48     | 600.82      | 0.34   |
| 319      | 10       | Unbiased            | 600.82     | 599.8       | -1.018 |
| 320      | 10       | Unbiased            | 600.14     | 599.8       | -0.339 |
| 321      | 10       | Unbiased            | 599.47     | 599.8       | 0.339  |
| 322      | 10       | Unbiased            | 600.14     | 600.14      | 0      |
| 323      | 30       | Bias                | 599.8      | 599.13      | -0.679 |
| 324      | 30       | Bias                | 600.14     | 600.14      | 0      |
| 325      | 30       | Bias                | 601.5      | 600.82      | -0.678 |
| 326      | 30       | Bias                | 599.8      | 599.8       | 0      |
| 327      | 30       | Bias                | 600.48     | 599.47      | -1.017 |
| 328      | 30       | Unbiased            | 601.84     | 601.5       | -0.339 |
| 329      | 30       | Unbiased            | 600.14     | 599.8       | -0.339 |
| 330      | 30       | Unbiased            | 600.82     | 600.82      | 0      |
| 331      | 30       | Unbiased            | 599.47     | 600.82      | 1.357  |
| 332      | 30       | Unbiased            | 599.13     | 599.47      | 0.34   |
| 333      | 50       | Bias                | 600.82     | 601.5       | 0.678  |
| 334      | 50       | Bias                | 598.45     | 599.8       | 1.357  |
| 335      | 50       | Bias                | 599.13     | 599.13      | 0      |
| 336      | 50       | Bias                | 600.14     | 599.8       | -0.339 |
| 337      | 50       | Bias                | 599.47     | 599.47      | 0      |
| 338      | 50       | Unbiased            | 600.82     | 600.48      | -0.34  |
| 339      | 50       | Unbiased            | 602.03     | 600.48      | -1.547 |
| 340      | 50       | Unbiased            | 599.65     | 600.14      | 0.49   |
| 341      | 50       | Unbiased            | 601.01     | 598.79      | -2.225 |
| 342      | 50       | Unbiased            | 600.33     | 601.16      | 0.829  |
| 343      | 100      | Bias                | 602.71     | 600.48      | -2.225 |
| 344      | 100      | Bias                | 600.33     | 600.14      | -0.189 |
| 345      | 100      | Bias                | 599.99     | 599.47      | -0.528 |
| 346      | 100      | Bias                | 600.33     | 599.13      | -1.207 |
| 347      | 100      | Bias                | 603.05     | 601.84      | -1.208 |
| 348      | 100      | Unbiased            | 599.99     | 599.8       | -0.189 |
| 349      | 100      | Unbiased            | 600.67     | 599.8       | -0.867 |
| 350      | 100      | Unbiased            | 601.35     | 600.82      | -0.528 |
| 351      | 100      | Unbiased            | 600.33     | 599.8       | -0.528 |
| 352      | 100      | Unbiased            | 602.03     | 600.14      | -1.886 |

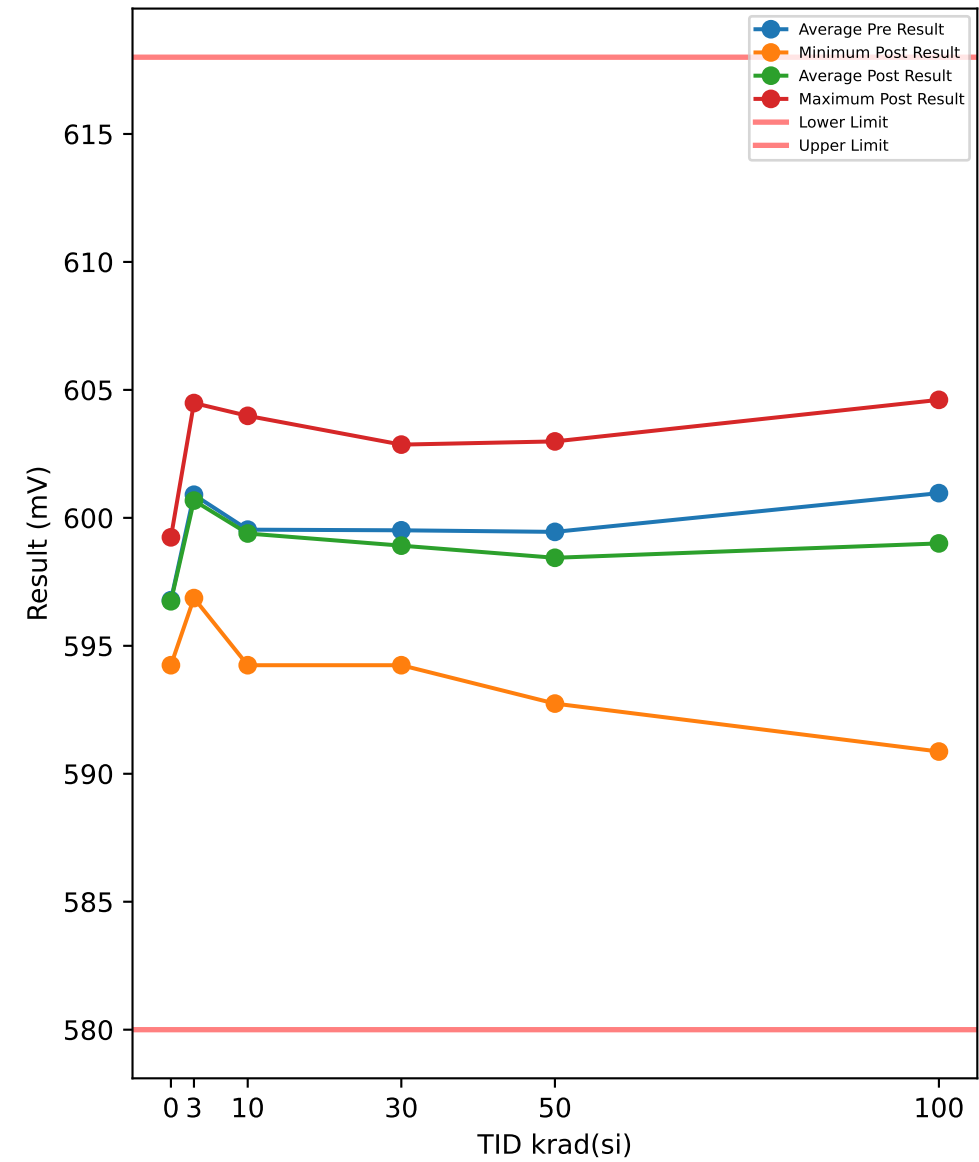
TID vs Post - Pre Exposure Delta



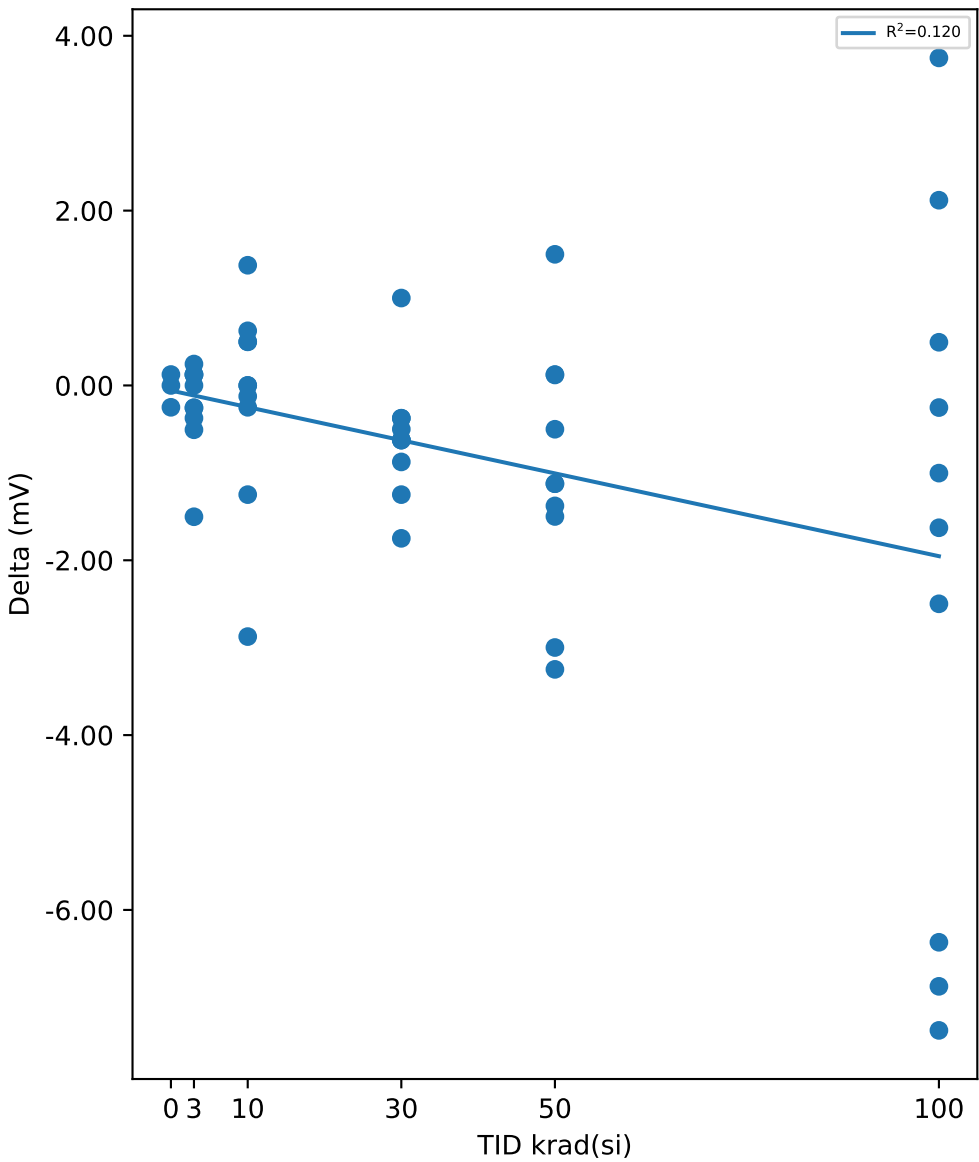
Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 600.14           | 600.48           | 600.82           | 0.3395           | 600.48            | 600.6             | 600.82            | 0.1963            | 0         | 0.113     | 0.339     | 0.19572   |
| 3        | 599.13           | 600.16           | 600.67           | 0.60043          | 599.13            | 600.18            | 600.48            | 0.43645           | -0.528    | 0.0223    | 1.357     | 0.59874   |
| 10       | 598.79           | 599.91           | 600.82           | 0.64071          | 599.13            | 599.94            | 600.82            | 0.4851            | -1.018    | 0.034     | 0.34      | 0.43661   |
| 30       | 599.13           | 600.31           | 601.84           | 0.86485          | 599.13            | 600.18            | 601.5             | 0.77448           | -1.017    | -0.1355   | 1.357     | 0.66318   |
| 50       | 598.45           | 600.19           | 602.03           | 1.0469           | 598.79            | 600.08            | 601.5             | 0.85822           | -2.225    | -0.1097   | 1.357     | 1.0895    |
| 100      | 599.99           | 601.08           | 603.05           | 1.1401           | 599.13            | 600.14            | 601.84            | 0.76689           | -2.225    | -0.9355   | -0.189    | 0.69375   |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



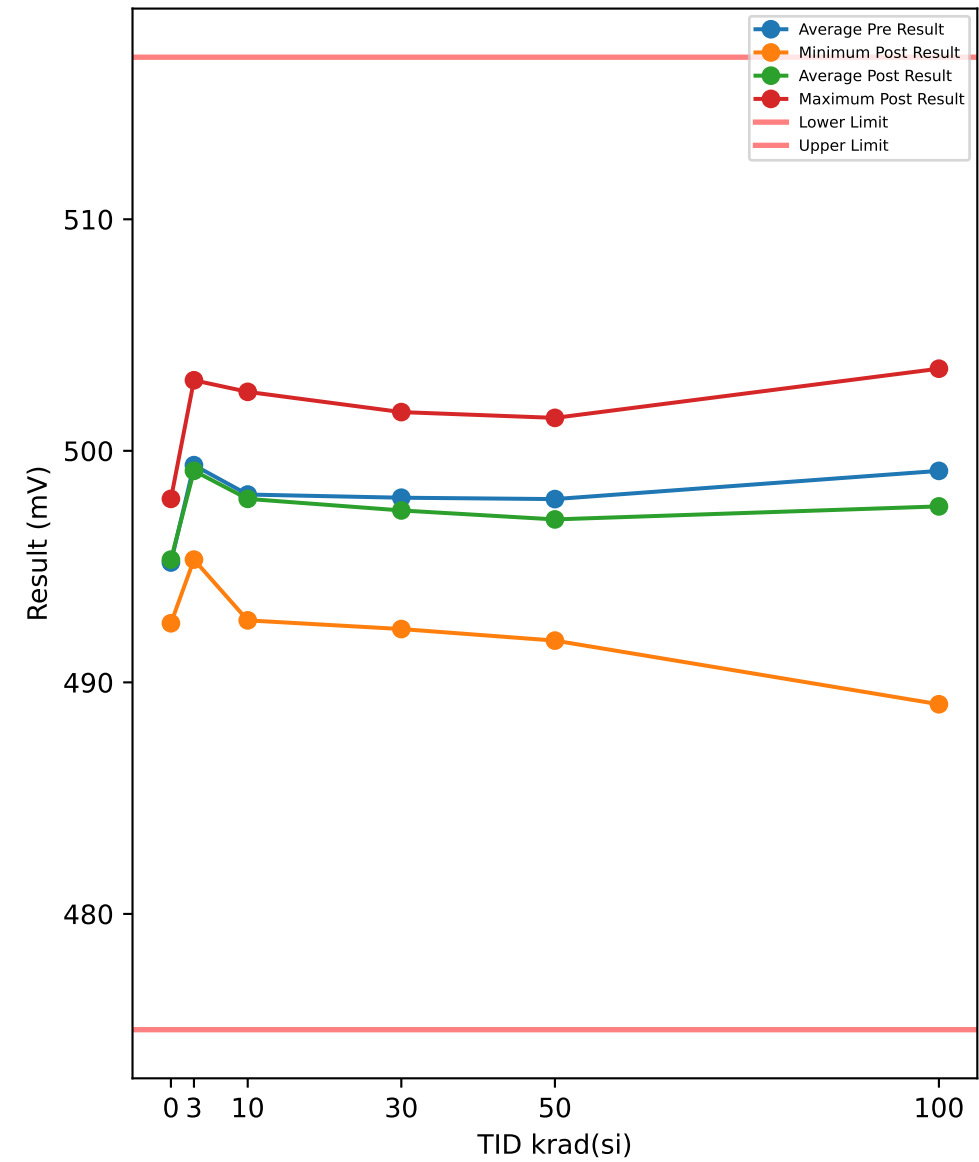
Test Results (Lower Limit = 580.0, Upper Limit = 618.0 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 596.99     | 596.74      | -0.25  |
| 301      | 0        | Correlation         | 594.24     | 594.24      | 0      |
| 302      | 0        | Correlation         | 599.11     | 599.24      | 0.125  |
| 303      | 3        | Bias                | 604.99     | 604.49      | -0.507 |
| 304      | 3        | Bias                | 601.99     | 601.74      | -0.255 |
| 305      | 3        | Bias                | 603.99     | 603.74      | -0.257 |
| 306      | 3        | Bias                | 600.24     | 600.36      | 0.122  |
| 307      | 3        | Bias                | 600.37     | 598.86      | -1.502 |
| 308      | 3        | Unbiased            | 602.12     | 602.36      | 0.245  |
| 309      | 3        | Unbiased            | 597.74     | 597.87      | 0.125  |
| 310      | 3        | Unbiased            | 596.87     | 596.87      | 0      |
| 311      | 3        | Unbiased            | 600.11     | 599.74      | -0.374 |
| 312      | 3        | Unbiased            | 600.61     | 600.74      | 0.125  |
| 313      | 10       | Bias                | 602.74     | 602.74      | 0      |
| 314      | 10       | Bias                | 601.11     | 601.61      | 0.499  |
| 315      | 10       | Bias                | 594.49     | 594.24      | -0.25  |
| 316      | 10       | Bias                | 600.61     | 597.74      | -2.873 |
| 317      | 10       | Bias                | 600.24     | 598.99      | -1.249 |
| 318      | 10       | Unbiased            | 598.24     | 598.74      | 0.5    |
| 319      | 10       | Unbiased            | 603.36     | 603.99      | 0.625  |
| 320      | 10       | Unbiased            | 599.86     | 599.74      | -0.124 |
| 321      | 10       | Unbiased            | 599.74     | 599.74      | 0      |
| 322      | 10       | Unbiased            | 594.99     | 596.37      | 1.375  |
| 323      | 30       | Bias                | 604.61     | 602.86      | -1.749 |
| 324      | 30       | Bias                | 595.12     | 594.49      | -0.624 |
| 325      | 30       | Bias                | 597.49     | 596.62      | -0.875 |
| 326      | 30       | Bias                | 595.49     | 594.24      | -1.249 |
| 327      | 30       | Bias                | 598.49     | 597.87      | -0.624 |
| 328      | 30       | Unbiased            | 601.49     | 602.49      | 1      |
| 329      | 30       | Unbiased            | 602.36     | 601.86      | -0.5   |
| 330      | 30       | Unbiased            | 600.61     | 600.24      | -0.375 |
| 331      | 30       | Unbiased            | 602.24     | 601.61      | -0.625 |
| 332      | 30       | Unbiased            | 597.24     | 596.87      | -0.375 |
| 333      | 50       | Bias                | 597.12     | 595.99      | -1.124 |
| 334      | 50       | Bias                | 599.11     | 597.99      | -1.124 |
| 335      | 50       | Bias                | 594.24     | 592.74      | -1.499 |
| 336      | 50       | Bias                | 599.36     | 596.12      | -3.248 |
| 337      | 50       | Bias                | 601.61     | 598.61      | -2.998 |
| 338      | 50       | Unbiased            | 602.86     | 602.99      | 0.125  |
| 339      | 50       | Unbiased            | 601.62     | 600.24      | -1.378 |
| 340      | 50       | Unbiased            | 599.24     | 598.74      | -0.501 |
| 341      | 50       | Unbiased            | 602.12     | 602.24      | 0.12   |
| 342      | 50       | Unbiased            | 597.24     | 598.74      | 1.5    |
| 343      | 100      | Bias                | 597.24     | 590.87      | -6.37  |
| 344      | 100      | Bias                | 598.24     | 595.74      | -2.498 |
| 345      | 100      | Bias                | 601.24     | 594.37      | -6.874 |
| 346      | 100      | Bias                | 604.87     | 597.49      | -7.378 |
| 347      | 100      | Bias                | 601.87     | 600.24      | -1.628 |
| 348      | 100      | Unbiased            | 601.37     | 600.36      | -1.003 |
| 349      | 100      | Unbiased            | 602.49     | 604.61      | 2.119  |
| 350      | 100      | Unbiased            | 598.74     | 602.49      | 3.747  |
| 351      | 100      | Unbiased            | 603.12     | 603.61      | 0.494  |
| 352      | 100      | Unbiased            | 600.49     | 600.24      | -0.253 |

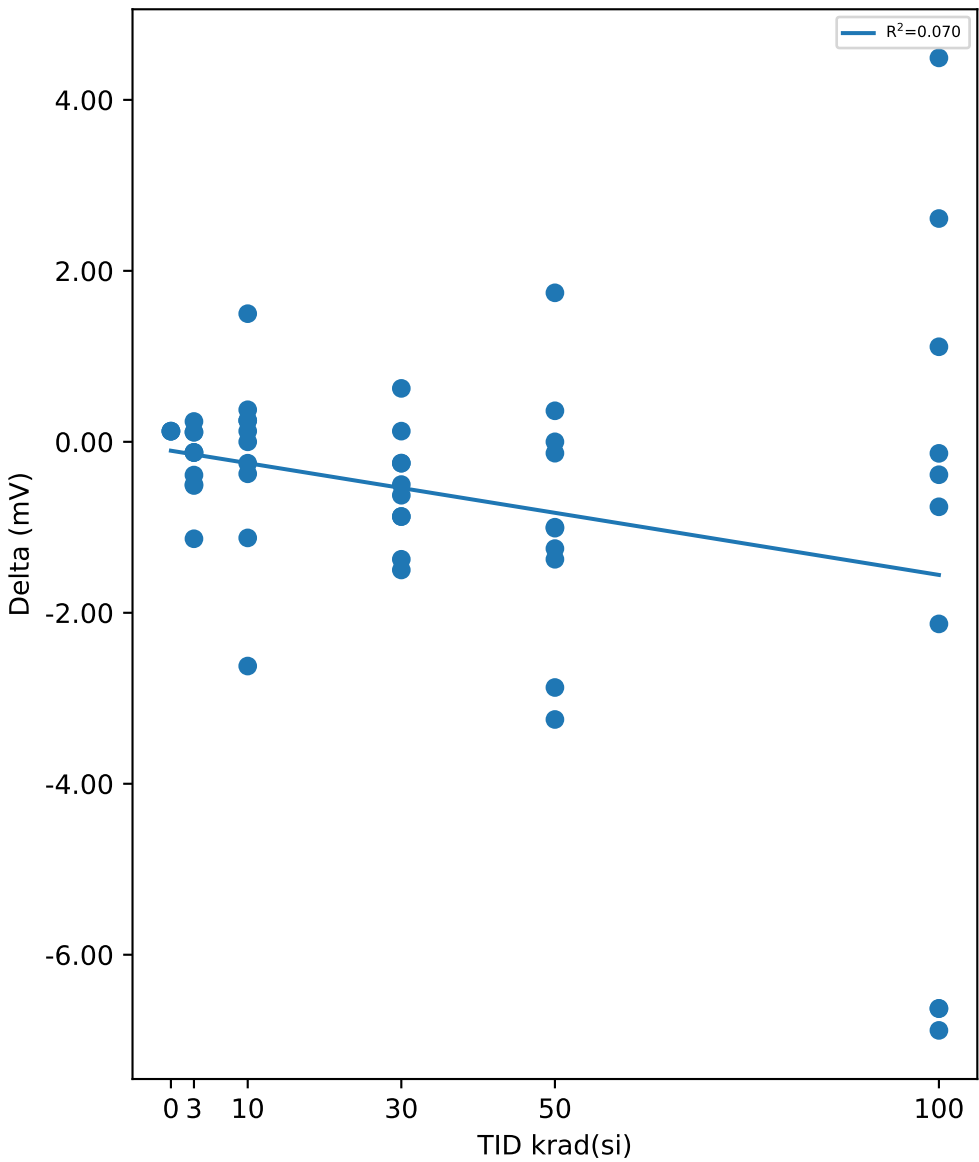
Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 594.24           | 596.78           | 599.11           | 2.4427           | 594.24            | 596.74            | 599.24            | 2.4985            | -0.25     | -0.041667 | 0.125     | 0.19094   |
| 3        | 596.87           | 600.9            | 604.99           | 2.5096           | 596.87            | 600.68            | 604.49            | 2.4616            | -1.502    | -0.2278   | 0.245     | 0.51329   |
| 10       | 594.49           | 599.54           | 603.36           | 2.924            | 594.24            | 599.39            | 603.99            | 2.9147            | -2.873    | -0.1497   | 1.375     | 1.1761    |
| 30       | 595.12           | 599.51           | 604.61           | 3.205            | 594.24            | 598.91            | 602.86            | 3.3005            | -1.749    | -0.5996   | 1         | 0.70632   |
| 50       | 594.24           | 599.45           | 602.86           | 2.7029           | 592.74            | 598.44            | 602.99            | 3.0293            | -3.248    | -1.0127   | 1.5       | 1.4332    |
| 100      | 597.24           | 600.97           | 604.87           | 2.3508           | 590.87            | 599               | 604.61            | 4.35              | -7.378    | -1.9644   | 3.747     | 3.8356    |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



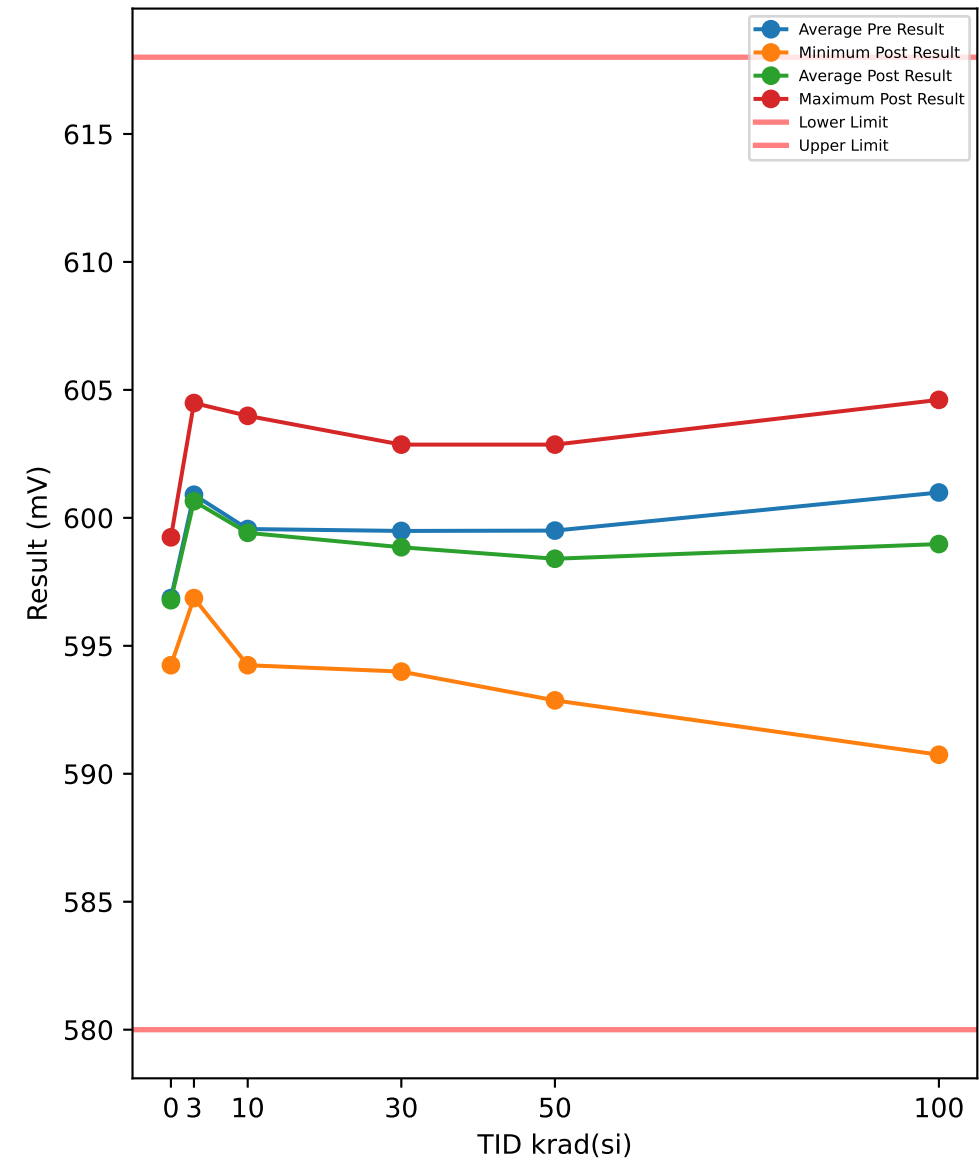
Test Results (Lower Limit = 475.0, Upper Limit = 517.0 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 495.3      | 495.43      | 0.124  |
| 301      | 0        | Correlation         | 492.43     | 492.55      | 0.125  |
| 302      | 0        | Correlation         | 497.8      | 497.93      | 0.125  |
| 303      | 3        | Bias                | 502.94     | 503.05      | 0.111  |
| 304      | 3        | Bias                | 500.56     | 500.05      | -0.511 |
| 305      | 3        | Bias                | 502.56     | 502.17      | -0.389 |
| 306      | 3        | Bias                | 498.93     | 499.05      | 0.115  |
| 307      | 3        | Bias                | 498.68     | 497.55      | -1.134 |
| 308      | 3        | Unbiased            | 500.56     | 500.8       | 0.238  |
| 309      | 3        | Unbiased            | 496.05     | 495.93      | -0.125 |
| 310      | 3        | Unbiased            | 495.43     | 495.3       | -0.124 |
| 311      | 3        | Unbiased            | 498.8      | 498.3       | -0.499 |
| 312      | 3        | Unbiased            | 499.3      | 499.17      | -0.125 |
| 313      | 10       | Bias                | 501.42     | 501.42      | 0      |
| 314      | 10       | Bias                | 499.67     | 500.05      | 0.375  |
| 315      | 10       | Bias                | 492.93     | 492.68      | -0.25  |
| 316      | 10       | Bias                | 498.92     | 496.3       | -2.623 |
| 317      | 10       | Bias                | 498.67     | 497.55      | -1.124 |
| 318      | 10       | Unbiased            | 496.8      | 497.05      | 0.249  |
| 319      | 10       | Unbiased            | 502.3      | 502.55      | 0.25   |
| 320      | 10       | Unbiased            | 498.3      | 498.43      | 0.125  |
| 321      | 10       | Unbiased            | 498.67     | 498.3       | -0.374 |
| 322      | 10       | Unbiased            | 493.43     | 494.93      | 1.499  |
| 323      | 30       | Bias                | 503.05     | 501.67      | -1.374 |
| 324      | 30       | Bias                | 493.43     | 492.8       | -0.625 |
| 325      | 30       | Bias                | 495.93     | 495.05      | -0.874 |
| 326      | 30       | Bias                | 493.8      | 492.3       | -1.499 |
| 327      | 30       | Bias                | 497.05     | 496.8       | -0.249 |
| 328      | 30       | Unbiased            | 499.55     | 500.17      | 0.625  |
| 329      | 30       | Unbiased            | 501.17     | 500.67      | -0.5   |
| 330      | 30       | Unbiased            | 498.8      | 498.92      | 0.125  |
| 331      | 30       | Unbiased            | 501.05     | 500.17      | -0.874 |
| 332      | 30       | Unbiased            | 495.93     | 495.68      | -0.25  |
| 333      | 50       | Bias                | 495.43     | 494.43      | -0.999 |
| 334      | 50       | Bias                | 498.05     | 496.8       | -1.249 |
| 335      | 50       | Bias                | 493.18     | 491.8       | -1.374 |
| 336      | 50       | Bias                | 497.93     | 494.68      | -3.248 |
| 337      | 50       | Bias                | 500.17     | 497.3       | -2.874 |
| 338      | 50       | Unbiased            | 501.42     | 501.42      | 0      |
| 339      | 50       | Unbiased            | 499.68     | 498.67      | -1.01  |
| 340      | 50       | Unbiased            | 497.31     | 497.18      | -0.133 |
| 341      | 50       | Unbiased            | 500.56     | 500.92      | 0.363  |
| 342      | 50       | Unbiased            | 495.43     | 497.18      | 1.743  |
| 343      | 100      | Bias                | 495.68     | 489.06      | -6.627 |
| 344      | 100      | Bias                | 496.56     | 494.43      | -2.13  |
| 345      | 100      | Bias                | 499.43     | 492.8       | -6.631 |
| 346      | 100      | Bias                | 502.94     | 496.05      | -6.885 |
| 347      | 100      | Bias                | 499.56     | 498.8       | -0.76  |
| 348      | 100      | Unbiased            | 499.43     | 499.05      | -0.385 |
| 349      | 100      | Unbiased            | 500.94     | 503.55      | 2.612  |
| 350      | 100      | Unbiased            | 496.43     | 500.92      | 4.491  |
| 351      | 100      | Unbiased            | 501.44     | 502.55      | 1.112  |
| 352      | 100      | Unbiased            | 498.93     | 498.8       | -0.135 |

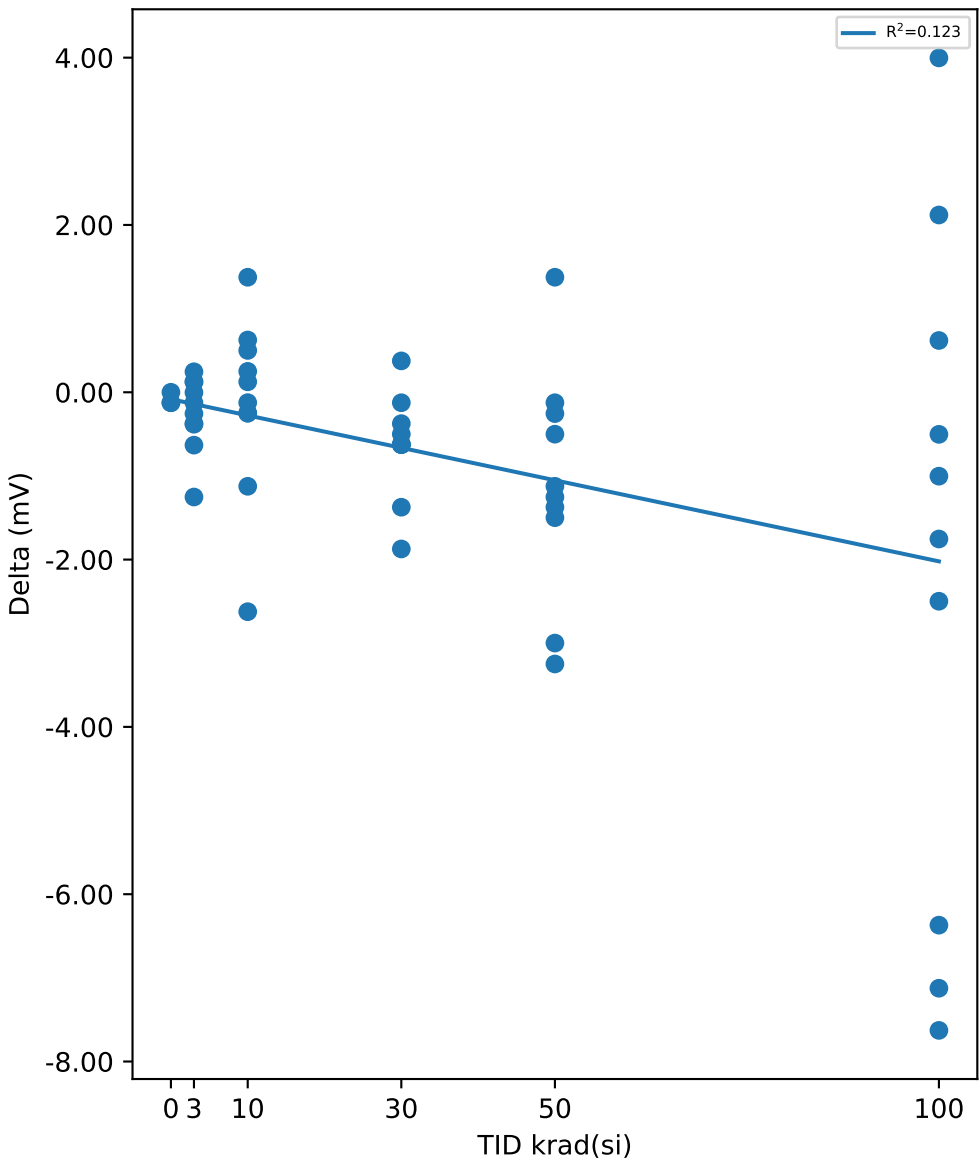
Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| 0        | 492.43           | 495.18           | 497.8            | 2.6882           | 492.55            | 495.3             | 497.93            | 2.6882            | 0.124     | 0.12467   | 0.125     | 0.00057735 |
| 3        | 495.43           | 499.38           | 502.94           | 2.4334           | 495.3             | 499.14            | 503.05            | 2.5019            | -1.134    | -0.2443   | 0.238     | 0.40543    |
| 10       | 492.93           | 498.11           | 502.3            | 3.0327           | 492.68            | 497.93            | 502.55            | 2.9545            | -2.623    | -0.1873   | 1.499     | 1.0813     |
| 30       | 493.43           | 497.97           | 503.05           | 3.2642           | 492.3             | 497.43            | 501.67            | 3.3769            | -1.499    | -0.5495   | 0.625     | 0.65103    |
| 50       | 493.18           | 497.92           | 501.42           | 2.6399           | 491.8             | 497.04            | 501.42            | 2.924             | -3.248    | -0.8781   | 1.743     | 1.4815     |
| 100      | 495.68           | 499.13           | 502.94           | 2.3393           | 489.06            | 497.6             | 503.55            | 4.5259            | -6.885    | -1.5338   | 4.491     | 4.0177     |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



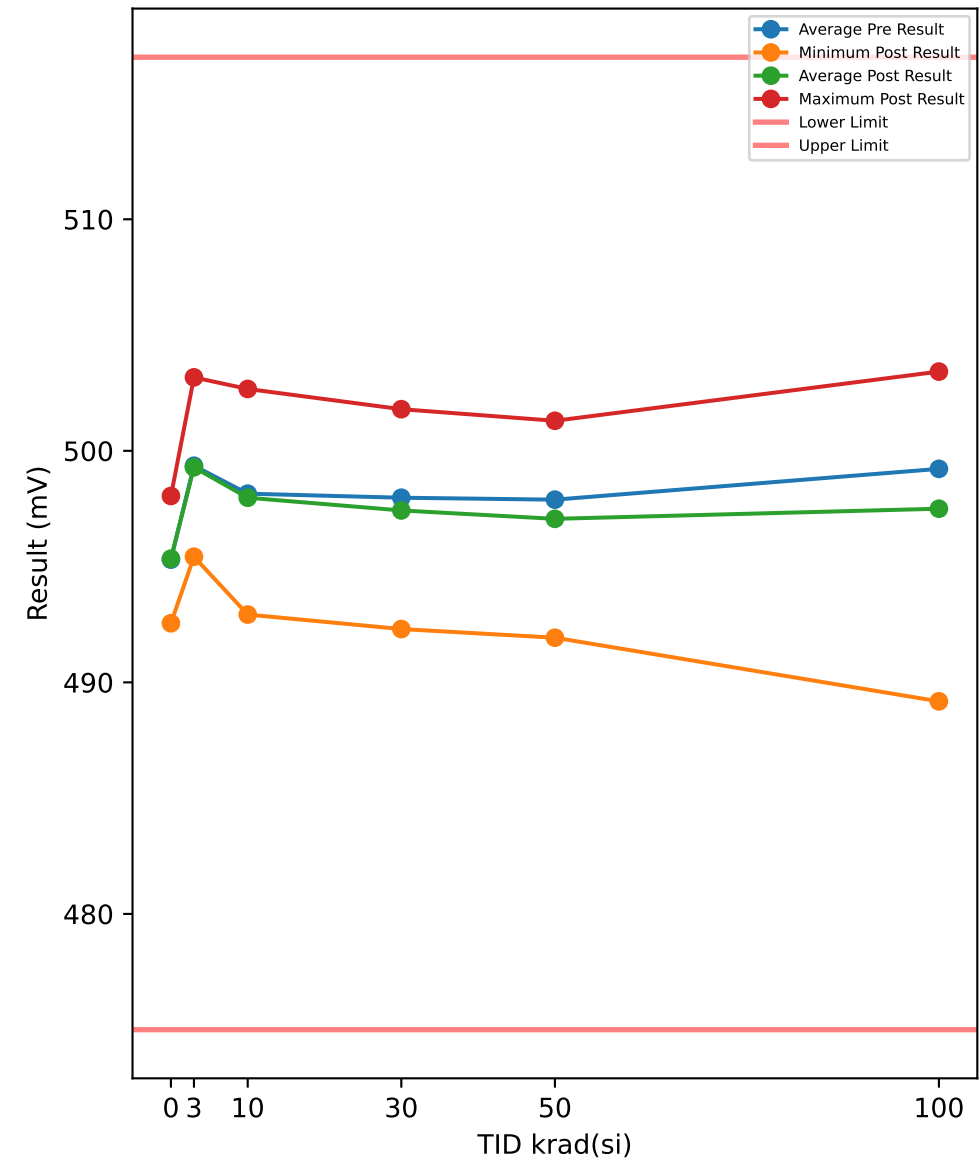
Test Results (Lower Limit = 580.0, Upper Limit = 618.0 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 596.99     | 596.87      | -0.125 |
| 301      | 0        | Correlation         | 594.37     | 594.24      | -0.125 |
| 302      | 0        | Correlation         | 599.24     | 599.24      | 0      |
| 303      | 3        | Bias                | 604.87     | 604.49      | -0.382 |
| 304      | 3        | Bias                | 601.99     | 601.74      | -0.255 |
| 305      | 3        | Bias                | 604.24     | 603.61      | -0.632 |
| 306      | 3        | Bias                | 600.24     | 600.24      | -0.003 |
| 307      | 3        | Bias                | 600.24     | 598.99      | -1.252 |
| 308      | 3        | Unbiased            | 601.99     | 602.24      | 0.245  |
| 309      | 3        | Unbiased            | 597.74     | 597.87      | 0.125  |
| 310      | 3        | Unbiased            | 596.99     | 596.87      | -0.125 |
| 311      | 3        | Unbiased            | 600.11     | 599.74      | -0.374 |
| 312      | 3        | Unbiased            | 600.61     | 600.74      | 0.125  |
| 313      | 10       | Bias                | 602.61     | 602.74      | 0.125  |
| 314      | 10       | Bias                | 601.11     | 601.36      | 0.25   |
| 315      | 10       | Bias                | 594.49     | 594.24      | -0.25  |
| 316      | 10       | Bias                | 600.61     | 597.99      | -2.623 |
| 317      | 10       | Bias                | 600.24     | 599.11      | -1.124 |
| 318      | 10       | Unbiased            | 598.24     | 598.86      | 0.625  |
| 319      | 10       | Unbiased            | 603.49     | 603.99      | 0.5    |
| 320      | 10       | Unbiased            | 599.99     | 599.74      | -0.249 |
| 321      | 10       | Unbiased            | 599.86     | 599.74      | -0.124 |
| 322      | 10       | Unbiased            | 594.99     | 596.37      | 1.375  |
| 323      | 30       | Bias                | 604.74     | 602.86      | -1.873 |
| 324      | 30       | Bias                | 594.99     | 594.37      | -0.624 |
| 325      | 30       | Bias                | 597.37     | 596.74      | -0.625 |
| 326      | 30       | Bias                | 595.37     | 593.99      | -1.374 |
| 327      | 30       | Bias                | 598.49     | 597.87      | -0.624 |
| 328      | 30       | Unbiased            | 601.74     | 602.11      | 0.375  |
| 329      | 30       | Unbiased            | 602.24     | 601.86      | -0.375 |
| 330      | 30       | Unbiased            | 600.49     | 600.36      | -0.125 |
| 331      | 30       | Unbiased            | 602.24     | 601.61      | -0.625 |
| 332      | 30       | Unbiased            | 597.24     | 596.74      | -0.5   |
| 333      | 50       | Bias                | 597.12     | 595.99      | -1.124 |
| 334      | 50       | Bias                | 599.36     | 597.87      | -1.499 |
| 335      | 50       | Bias                | 594.24     | 592.87      | -1.374 |
| 336      | 50       | Bias                | 599.36     | 596.12      | -3.248 |
| 337      | 50       | Bias                | 601.61     | 598.61      | -2.998 |
| 338      | 50       | Unbiased            | 602.99     | 602.86      | -0.125 |
| 339      | 50       | Unbiased            | 601.49     | 600.24      | -1.253 |
| 340      | 50       | Unbiased            | 599.12     | 598.61      | -0.501 |
| 341      | 50       | Unbiased            | 602.24     | 601.99      | -0.255 |
| 342      | 50       | Unbiased            | 597.49     | 598.86      | 1.375  |
| 343      | 100      | Bias                | 597.11     | 590.74      | -6.37  |
| 344      | 100      | Bias                | 598.24     | 595.74      | -2.498 |
| 345      | 100      | Bias                | 601.49     | 594.37      | -7.124 |
| 346      | 100      | Bias                | 604.99     | 597.37      | -7.628 |
| 347      | 100      | Bias                | 601.99     | 600.24      | -1.754 |
| 348      | 100      | Unbiased            | 601.24     | 600.24      | -1.003 |
| 349      | 100      | Unbiased            | 602.49     | 604.61      | 2.119  |
| 350      | 100      | Unbiased            | 598.62     | 602.61      | 3.997  |
| 351      | 100      | Unbiased            | 603.12     | 603.74      | 0.619  |
| 352      | 100      | Unbiased            | 600.62     | 600.11      | -0.503 |

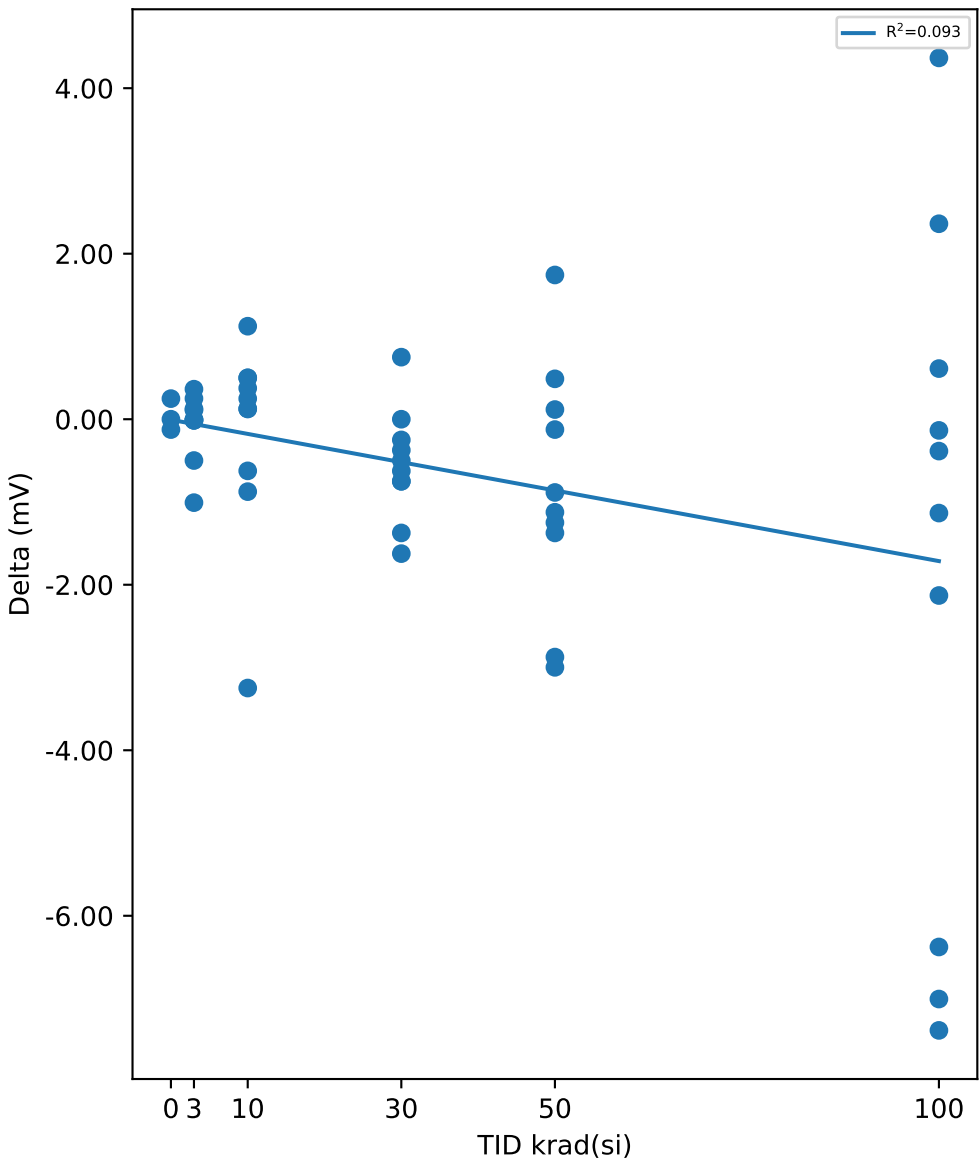
Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 594.37           | 596.87           | 599.24           | 2.4384           | 594.24            | 596.78            | 599.24            | 2.4995            | -0.125    | -0.083333 | 0         | 0.072169  |
| 3        | 596.99           | 600.9            | 604.87           | 2.4978           | 596.87            | 600.65            | 604.49            | 2.4274            | -1.252    | -0.2528   | 0.245     | 0.44542   |
| 10       | 594.49           | 599.56           | 603.49           | 2.9305           | 594.24            | 599.41            | 603.99            | 2.8755            | -2.623    | -0.1495   | 1.375     | 1.0888    |
| 30       | 594.99           | 599.49           | 604.74           | 3.2741           | 593.99            | 598.85            | 602.86            | 3.3216            | -1.873    | -0.637    | 0.375     | 0.61871   |
| 50       | 594.24           | 599.5            | 602.99           | 2.7012           | 592.87            | 598.4             | 602.86            | 2.9509            | -3.248    | -1.1002   | 1.375     | 1.3591    |
| 100      | 597.11           | 600.99           | 604.99           | 2.4151           | 590.74            | 598.98            | 604.61            | 4.3992            | -7.628    | -2.0145   | 3.997     | 3.9491    |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 475.0, Upper Limit = 517.0 (mV))

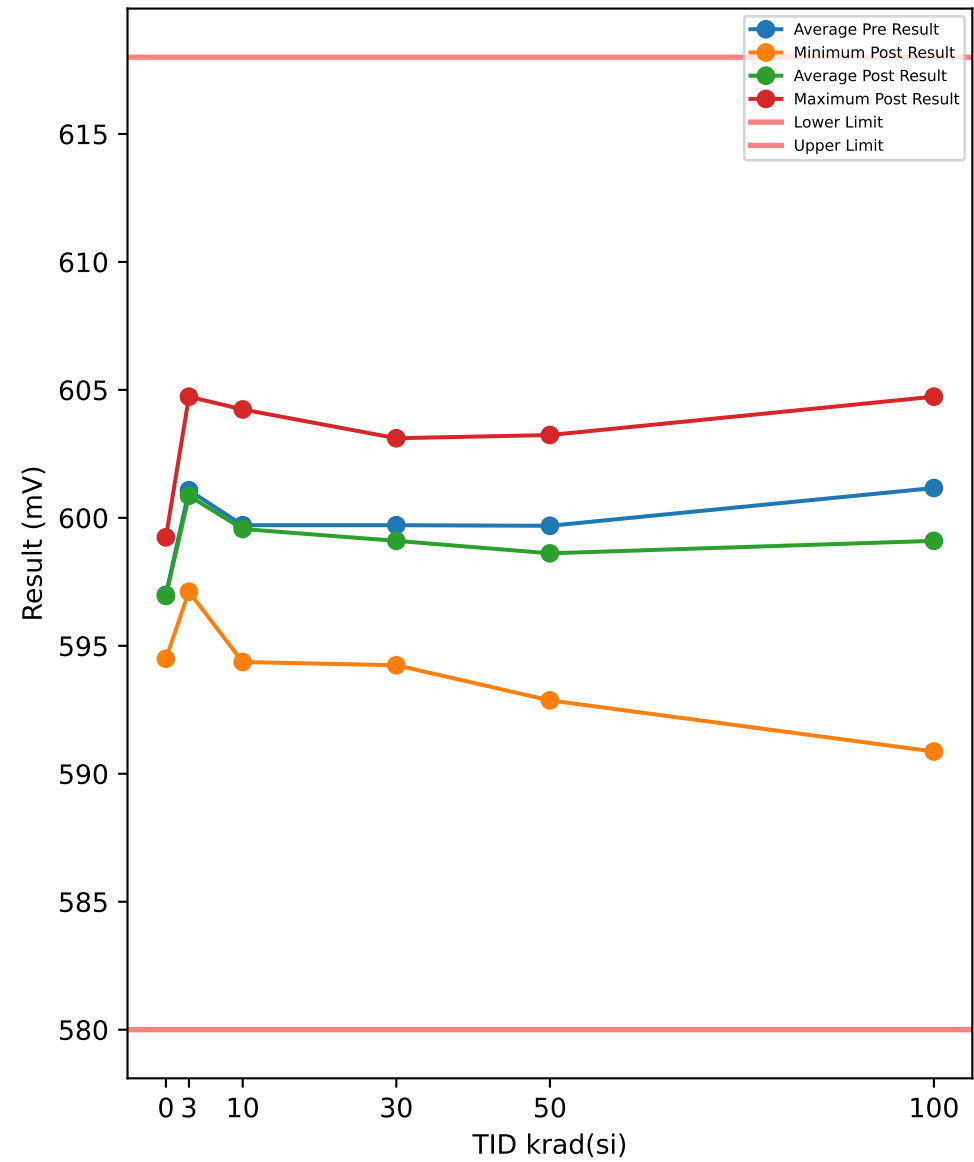
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 495.18     | 495.43      | 0.249  |
| 301      | 0        | Correlation         | 492.55     | 492.55      | 0      |
| 302      | 0        | Correlation         | 498.18     | 498.05      | -0.125 |
| 303      | 3        | Bias                | 503.06     | 503.17      | 0.111  |
| 304      | 3        | Bias                | 500.44     | 500.42      | -0.012 |
| 305      | 3        | Bias                | 502.69     | 502.67      | -0.014 |
| 306      | 3        | Bias                | 498.81     | 498.8       | -0.01  |
| 307      | 3        | Bias                | 498.56     | 497.55      | -1.008 |
| 308      | 3        | Unbiased            | 500.56     | 500.92      | 0.363  |
| 309      | 3        | Unbiased            | 496.05     | 496.3       | 0.25   |
| 310      | 3        | Unbiased            | 495.43     | 495.43      | 0      |
| 311      | 3        | Unbiased            | 498.67     | 498.18      | -0.499 |
| 312      | 3        | Unbiased            | 499.3      | 499.42      | 0.125  |
| 313      | 10       | Bias                | 501.42     | 501.8       | 0.375  |
| 314      | 10       | Bias                | 499.92     | 500.05      | 0.125  |
| 315      | 10       | Bias                | 492.8      | 492.93      | 0.125  |
| 316      | 10       | Bias                | 499.3      | 496.05      | -3.248 |
| 317      | 10       | Bias                | 498.55     | 497.68      | -0.875 |
| 318      | 10       | Unbiased            | 496.55     | 497.05      | 0.499  |
| 319      | 10       | Unbiased            | 502.17     | 502.67      | 0.5    |
| 320      | 10       | Unbiased            | 498.43     | 498.67      | 0.249  |
| 321      | 10       | Unbiased            | 498.8      | 498.18      | -0.624 |
| 322      | 10       | Unbiased            | 493.55     | 494.68      | 1.124  |
| 323      | 30       | Bias                | 503.42     | 501.8       | -1.624 |
| 324      | 30       | Bias                | 493.3      | 492.8       | -0.5   |
| 325      | 30       | Bias                | 495.8      | 495.05      | -0.749 |
| 326      | 30       | Bias                | 493.68     | 492.3       | -1.374 |
| 327      | 30       | Bias                | 497.05     | 496.68      | -0.374 |
| 328      | 30       | Unbiased            | 499.55     | 500.3       | 0.75   |
| 329      | 30       | Unbiased            | 500.92     | 500.67      | -0.25  |
| 330      | 30       | Unbiased            | 498.8      | 498.8       | 0      |
| 331      | 30       | Unbiased            | 501.05     | 500.42      | -0.625 |
| 332      | 30       | Unbiased            | 496.18     | 495.43      | -0.75  |
| 333      | 50       | Bias                | 495.43     | 494.18      | -1.249 |
| 334      | 50       | Bias                | 498.18     | 496.8       | -1.374 |
| 335      | 50       | Bias                | 493.05     | 491.93      | -1.124 |
| 336      | 50       | Bias                | 497.8      | 494.8       | -2.998 |
| 337      | 50       | Bias                | 500.17     | 497.3       | -2.874 |
| 338      | 50       | Unbiased            | 501.42     | 501.3       | -0.125 |
| 339      | 50       | Unbiased            | 499.68     | 498.8       | -0.885 |
| 340      | 50       | Unbiased            | 497.18     | 497.3       | 0.117  |
| 341      | 50       | Unbiased            | 500.56     | 501.05      | 0.488  |
| 342      | 50       | Unbiased            | 495.43     | 497.18      | 1.743  |
| 343      | 100      | Bias                | 495.56     | 489.18      | -6.377 |
| 344      | 100      | Bias                | 496.68     | 494.55      | -2.13  |
| 345      | 100      | Bias                | 499.56     | 492.55      | -7.006 |
| 346      | 100      | Bias                | 503.19     | 495.8       | -7.385 |
| 347      | 100      | Bias                | 499.56     | 498.43      | -1.134 |
| 348      | 100      | Unbiased            | 499.56     | 499.17      | -0.385 |
| 349      | 100      | Unbiased            | 501.06     | 503.42      | 2.362  |
| 350      | 100      | Unbiased            | 496.56     | 500.92      | 4.366  |
| 351      | 100      | Unbiased            | 501.56     | 502.17      | 0.612  |
| 352      | 100      | Unbiased            | 498.93     | 498.8       | -0.135 |

Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 492.55           | 495.3            | 498.18           | 2.8131           | 492.55            | 495.34            | 498.05            | 2.7494            | -0.125    | 0.041333  | 0.249     | 0.1904    |
| 3        | 495.43           | 499.36           | 503.06           | 2.4766           | 495.43            | 499.29            | 503.17            | 2.5572            | -1.008    | -0.0694   | 0.363     | 0.39994   |
| 10       | 492.8            | 498.15           | 502.17           | 3.0604           | 492.93            | 497.97            | 502.67            | 3.0277            | -3.248    | -0.175    | 1.124     | 1.22      |
| 30       | 493.3            | 497.97           | 503.42           | 3.3346           | 492.3             | 497.43            | 501.8             | 3.4415            | -1.624    | -0.5496   | 0.75      | 0.66947   |
| 50       | 493.05           | 497.89           | 501.42           | 2.6697           | 491.93            | 497.06            | 501.3             | 2.9216            | -2.998    | -0.8281   | 1.743     | 1.4602    |
| 100      | 495.56           | 499.22           | 503.19           | 2.4029           | 489.18            | 497.5             | 503.42            | 4.4626            | -7.385    | -1.7212   | 4.366     | 4.0231    |



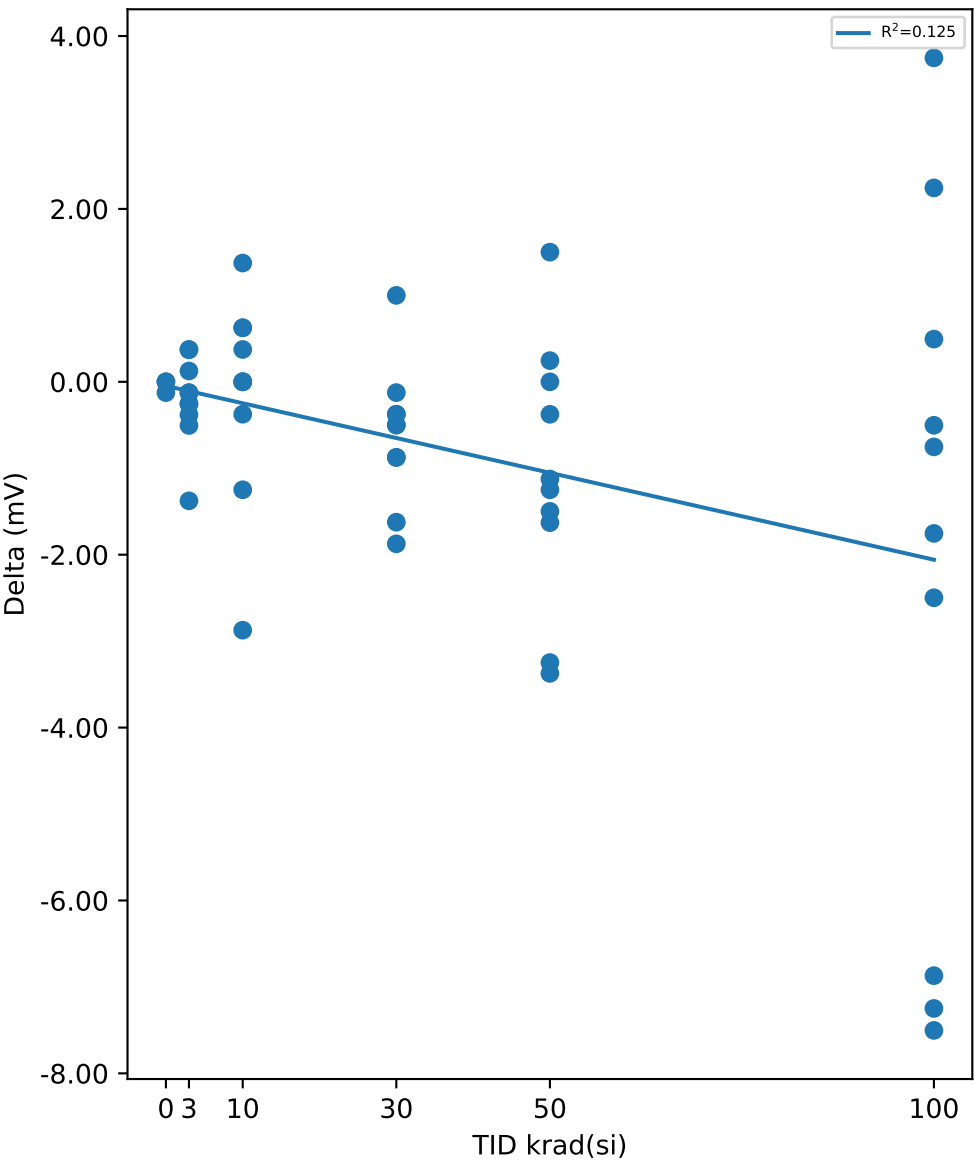
TID vs Result Stats



Test Results (Lower Limit = 580.0, Upper Limit = 618.0 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 597.12     | 597.12      | 0      |
| 301      | 0        | Correlation         | 594.49     | 594.49      | 0      |
| 302      | 0        | Correlation         | 599.36     | 599.24      | -0.125 |
| 303      | 3        | Bias                | 604.99     | 604.74      | -0.258 |
| 304      | 3        | Bias                | 602.24     | 601.74      | -0.505 |
| 305      | 3        | Bias                | 604.24     | 603.86      | -0.382 |
| 306      | 3        | Bias                | 600.49     | 600.36      | -0.128 |
| 307      | 3        | Bias                | 600.49     | 599.11      | -1.377 |
| 308      | 3        | Unbiased            | 602.37     | 602.74      | 0.37   |
| 309      | 3        | Unbiased            | 597.99     | 597.87      | -0.125 |
| 310      | 3        | Unbiased            | 596.99     | 597.12      | 0.125  |
| 311      | 3        | Unbiased            | 600.24     | 599.99      | -0.25  |
| 312      | 3        | Unbiased            | 600.74     | 601.11      | 0.375  |
| 313      | 10       | Bias                | 602.86     | 602.86      | 0      |
| 314      | 10       | Bias                | 601.36     | 601.74      | 0.374  |
| 315      | 10       | Bias                | 594.74     | 594.37      | -0.375 |
| 316      | 10       | Bias                | 600.86     | 597.99      | -2.873 |
| 317      | 10       | Bias                | 600.36     | 599.11      | -1.249 |
| 318      | 10       | Unbiased            | 598.36     | 598.99      | 0.625  |
| 319      | 10       | Unbiased            | 603.61     | 604.24      | 0.625  |
| 320      | 10       | Unbiased            | 599.86     | 599.86      | 0      |
| 321      | 10       | Unbiased            | 599.86     | 599.86      | 0      |
| 322      | 10       | Unbiased            | 595.24     | 596.62      | 1.374  |
| 323      | 30       | Bias                | 604.99     | 603.11      | -1.874 |
| 324      | 30       | Bias                | 595.37     | 594.49      | -0.874 |
| 325      | 30       | Bias                | 597.74     | 596.87      | -0.875 |
| 326      | 30       | Bias                | 595.87     | 594.24      | -1.624 |
| 327      | 30       | Bias                | 598.61     | 598.24      | -0.375 |
| 328      | 30       | Unbiased            | 601.74     | 602.74      | 1      |
| 329      | 30       | Unbiased            | 602.49     | 602.11      | -0.375 |
| 330      | 30       | Unbiased            | 600.74     | 600.61      | -0.125 |
| 331      | 30       | Unbiased            | 602.24     | 601.74      | -0.5   |
| 332      | 30       | Unbiased            | 597.37     | 596.87      | -0.5   |
| 333      | 50       | Bias                | 597.37     | 596.12      | -1.249 |
| 334      | 50       | Bias                | 599.36     | 598.24      | -1.125 |
| 335      | 50       | Bias                | 594.37     | 592.87      | -1.499 |
| 336      | 50       | Bias                | 599.74     | 596.37      | -3.373 |
| 337      | 50       | Bias                | 601.86     | 598.61      | -3.248 |
| 338      | 50       | Unbiased            | 603.24     | 603.24      | 0      |
| 339      | 50       | Unbiased            | 601.99     | 600.36      | -1.629 |
| 340      | 50       | Unbiased            | 599.24     | 598.86      | -0.376 |
| 341      | 50       | Unbiased            | 602.12     | 602.36      | 0.245  |
| 342      | 50       | Unbiased            | 597.61     | 599.11      | 1.5    |
| 343      | 100      | Bias                | 597.74     | 590.87      | -6.87  |
| 344      | 100      | Bias                | 598.24     | 595.74      | -2.498 |
| 345      | 100      | Bias                | 601.74     | 594.49      | -7.249 |
| 346      | 100      | Bias                | 604.99     | 597.49      | -7.503 |
| 347      | 100      | Bias                | 601.99     | 600.24      | -1.754 |
| 348      | 100      | Unbiased            | 601.37     | 600.61      | -0.753 |
| 349      | 100      | Unbiased            | 602.49     | 604.74      | 2.243  |
| 350      | 100      | Unbiased            | 598.99     | 602.74      | 3.747  |
| 351      | 100      | Unbiased            | 603.37     | 603.86      | 0.494  |
| 352      | 100      | Unbiased            | 600.74     | 600.24      | -0.503 |

TID vs Post - Pre Exposure Delta

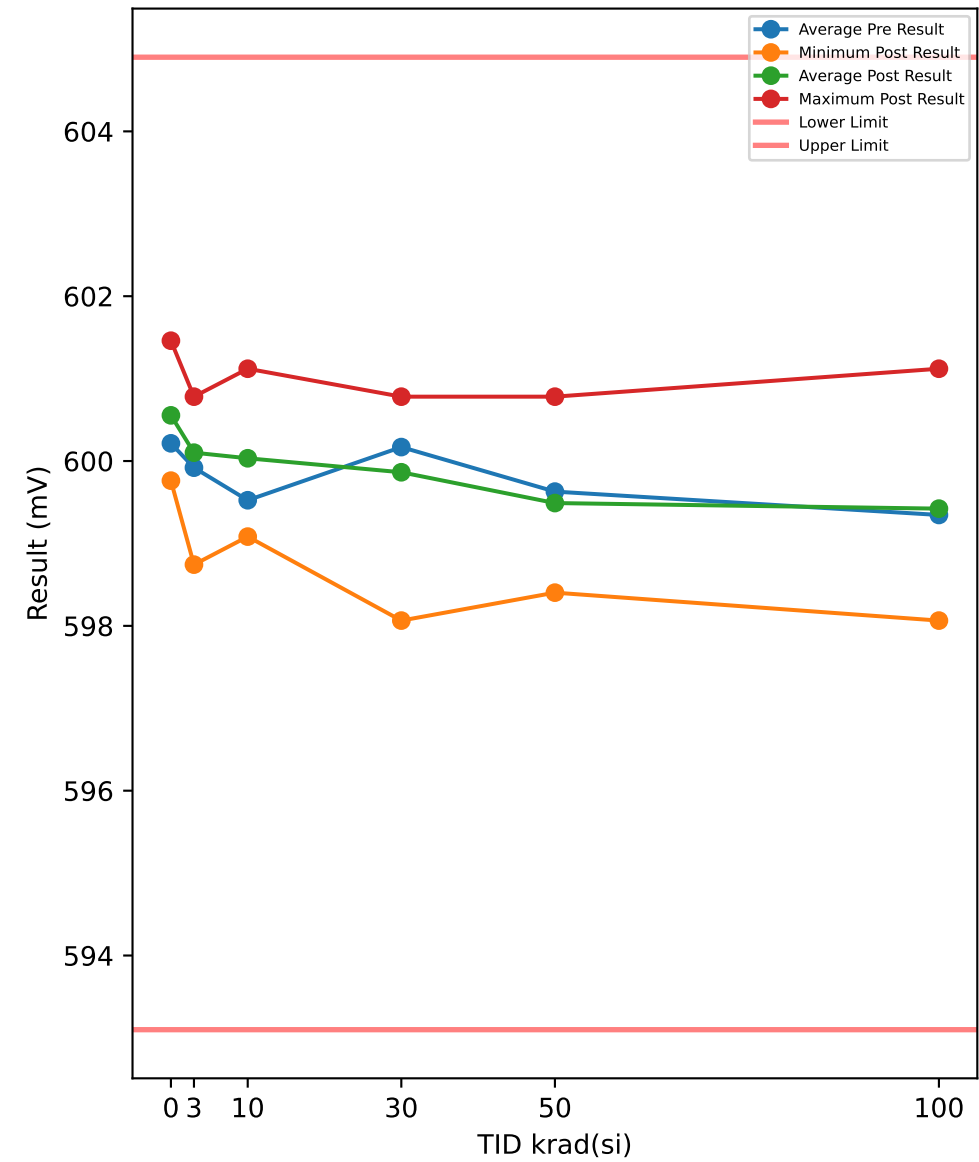


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 594.49           | 596.99           | 599.36           | 2.4384           | 594.49            | 596.95            | 599.24            | 2.3779            | -0.125    | -0.041667 | 0         | 0.072169  |
| 3        | 596.99           | 601.08           | 604.99           | 2.4971           | 597.12            | 600.86            | 604.74            | 2.4817            | -1.377    | -0.2155   | 0.375     | 0.50408   |
| 10       | 594.74           | 599.71           | 603.61           | 2.9088           | 594.37            | 599.56            | 604.24            | 2.9121            | -2.873    | -0.1499   | 1.374     | 1.1804    |
| 30       | 595.37           | 599.71           | 604.99           | 3.1853           | 594.24            | 599.1             | 603.11            | 3.3862            | -1.874    | -0.6122   | 1         | 0.79776   |
| 50       | 594.37           | 599.69           | 603.24           | 2.7252           | 592.87            | 598.61            | 603.24            | 3.0411            | -3.373    | -1.0754   | 1.5       | 1.5107    |
| 100      | 597.74           | 601.17           | 604.99           | 2.298            | 590.87            | 599.1             | 604.74            | 4.4144            | -7.503    | -2.0646   | 3.747     | 3.9842    |



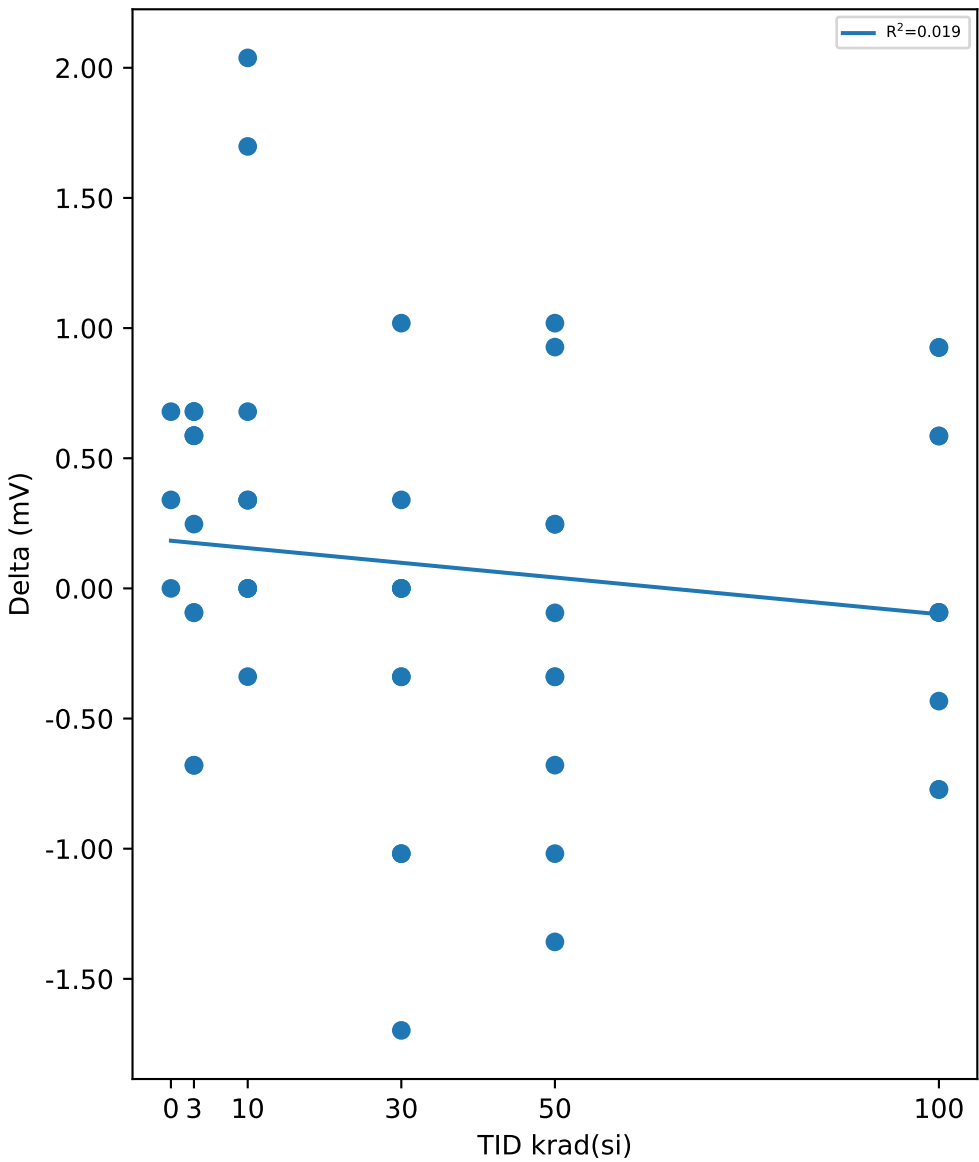
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 600.44     | 600.44      | 0      |
| 301      | 0        | Correlation         | 600.78     | 601.46      | 0.679  |
| 302      | 0        | Correlation         | 599.42     | 599.76      | 0.34   |
| 303      | 3        | Bias                | 599.85     | 600.1       | 0.247  |
| 304      | 3        | Bias                | 598.84     | 598.74      | -0.094 |
| 305      | 3        | Bias                | 600.19     | 600.78      | 0.587  |
| 306      | 3        | Bias                | 599.85     | 599.76      | -0.092 |
| 307      | 3        | Bias                | 600.19     | 600.78      | 0.587  |
| 308      | 3        | Unbiased            | 599.18     | 599.76      | 0.586  |
| 309      | 3        | Unbiased            | 600.1      | 600.78      | 0.68   |
| 310      | 3        | Unbiased            | 600.78     | 600.1       | -0.68  |
| 311      | 3        | Unbiased            | 600.44     | 599.76      | -0.679 |
| 312      | 3        | Unbiased            | 599.76     | 600.44      | 0.679  |
| 313      | 10       | Bias                | 598.74     | 599.08      | 0.34   |
| 314      | 10       | Bias                | 600.44     | 600.44      | 0      |
| 315      | 10       | Bias                | 599.08     | 600.78      | 1.698  |
| 316      | 10       | Bias                | 600.1      | 599.76      | -0.339 |
| 317      | 10       | Bias                | 599.08     | 599.42      | 0.339  |
| 318      | 10       | Unbiased            | 600.78     | 601.12      | 0.339  |
| 319      | 10       | Unbiased            | 599.42     | 599.42      | 0      |
| 320      | 10       | Unbiased            | 599.76     | 600.44      | 0.679  |
| 321      | 10       | Unbiased            | 598.4      | 600.44      | 2.038  |
| 322      | 10       | Unbiased            | 599.42     | 599.42      | 0      |
| 323      | 30       | Bias                | 600.44     | 599.42      | -1.019 |
| 324      | 30       | Bias                | 599.42     | 600.44      | 1.019  |
| 325      | 30       | Bias                | 600.78     | 600.44      | -0.34  |
| 326      | 30       | Bias                | 600.1      | 599.76      | -0.339 |
| 327      | 30       | Bias                | 600.44     | 600.44      | 0      |
| 328      | 30       | Unbiased            | 601.46     | 600.44      | -1.019 |
| 329      | 30       | Unbiased            | 599.42     | 599.42      | 0      |
| 330      | 30       | Unbiased            | 600.44     | 600.78      | 0.34   |
| 331      | 30       | Unbiased            | 599.42     | 599.42      | 0      |
| 332      | 30       | Unbiased            | 599.76     | 598.06      | -1.698 |
| 333      | 50       | Bias                | 599.42     | 600.44      | 1.019  |
| 334      | 50       | Bias                | 598.74     | 598.4       | -0.34  |
| 335      | 50       | Bias                | 599.42     | 599.08      | -0.339 |
| 336      | 50       | Bias                | 600.1      | 599.42      | -0.679 |
| 337      | 50       | Bias                | 600.44     | 599.08      | -1.358 |
| 338      | 50       | Unbiased            | 600.44     | 599.42      | -1.019 |
| 339      | 50       | Unbiased            | 599.18     | 599.42      | 0.246  |
| 340      | 50       | Unbiased            | 600.19     | 600.44      | 0.247  |
| 341      | 50       | Unbiased            | 598.5      | 598.4       | -0.094 |
| 342      | 50       | Unbiased            | 599.85     | 600.78      | 0.927  |
| 343      | 100      | Bias                | 599.85     | 599.76      | -0.092 |
| 344      | 100      | Bias                | 598.16     | 599.08      | 0.925  |
| 345      | 100      | Bias                | 600.19     | 599.42      | -0.772 |
| 346      | 100      | Bias                | 599.18     | 598.74      | -0.433 |
| 347      | 100      | Bias                | 600.19     | 601.12      | 0.926  |
| 348      | 100      | Unbiased            | 598.84     | 599.42      | 0.585  |
| 349      | 100      | Unbiased            | 598.84     | 598.06      | -0.773 |
| 350      | 100      | Unbiased            | 599.85     | 599.76      | -0.092 |
| 351      | 100      | Unbiased            | 599.18     | 599.08      | -0.093 |
| 352      | 100      | Unbiased            | 599.18     | 599.76      | 0.586  |

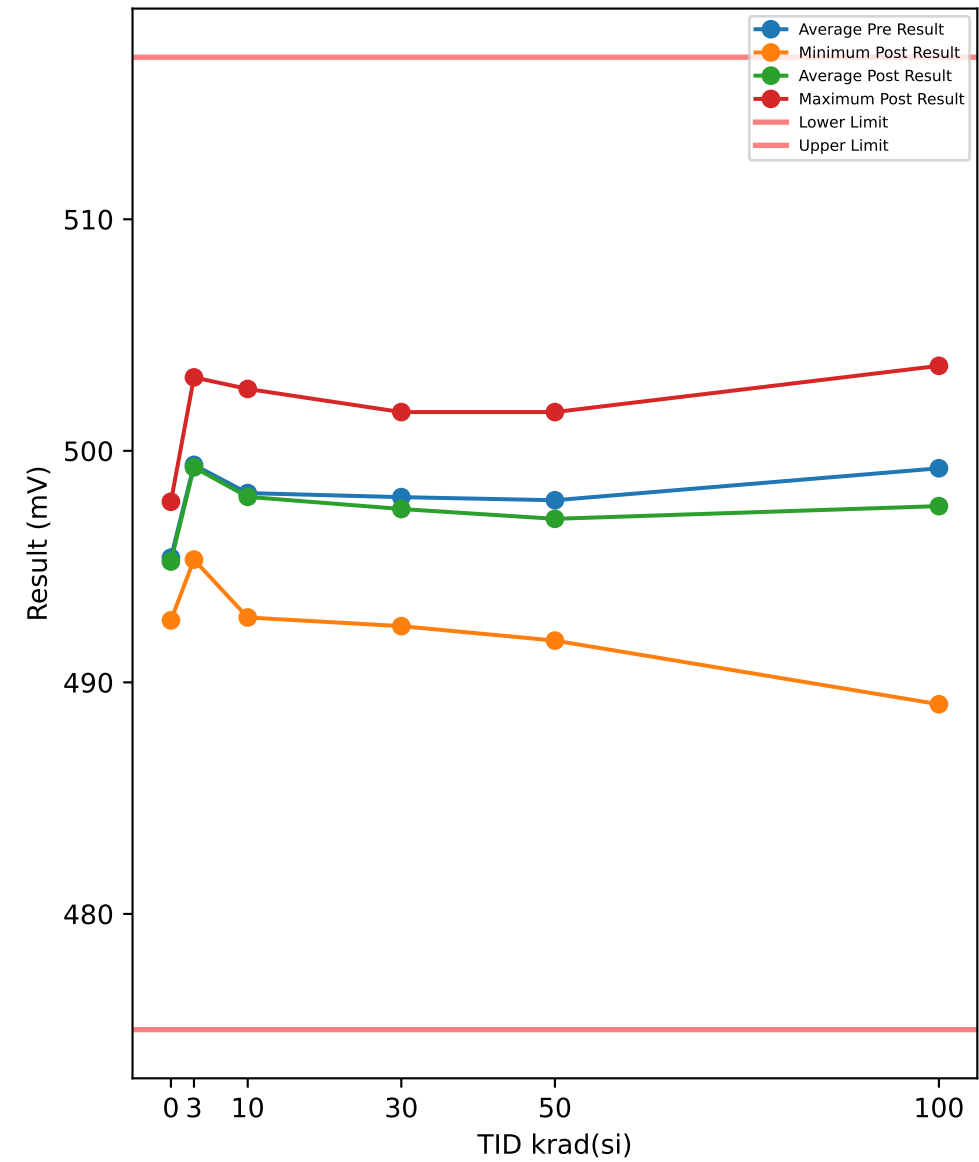
TID vs Post - Pre Exposure Delta



Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 599.42           | 600.21           | 600.78           | 0.70721          | 599.76            | 600.55            | 601.46            | 0.85465           | 0         | 0.33967   | 0.679     | 0.3395    |
| 3        | 598.84           | 599.92           | 600.78           | 0.57308          | 598.74            | 600.1             | 600.78            | 0.64046           | -0.68     | 0.1821    | 0.68      | 0.54018   |
| 10       | 598.4            | 599.52           | 600.78           | 0.7518           | 599.08            | 600.03            | 601.12            | 0.69413           | -0.339    | 0.5094    | 2.038     | 0.77195   |
| 30       | 599.42           | 600.17           | 601.46           | 0.67556          | 598.06            | 599.86            | 600.78            | 0.81712           | -1.698    | -0.3056   | 1.019     | 0.77535   |
| 50       | 598.5            | 599.63           | 600.44           | 0.68869          | 598.4             | 599.49            | 600.78            | 0.82891           | -1.358    | -0.139    | 1.019     | 0.77524   |
| 100      | 598.16           | 599.35           | 600.19           | 0.66421          | 598.06            | 599.42            | 601.12            | 0.80035           | -0.773    | 0.0767    | 0.926     | 0.64519   |

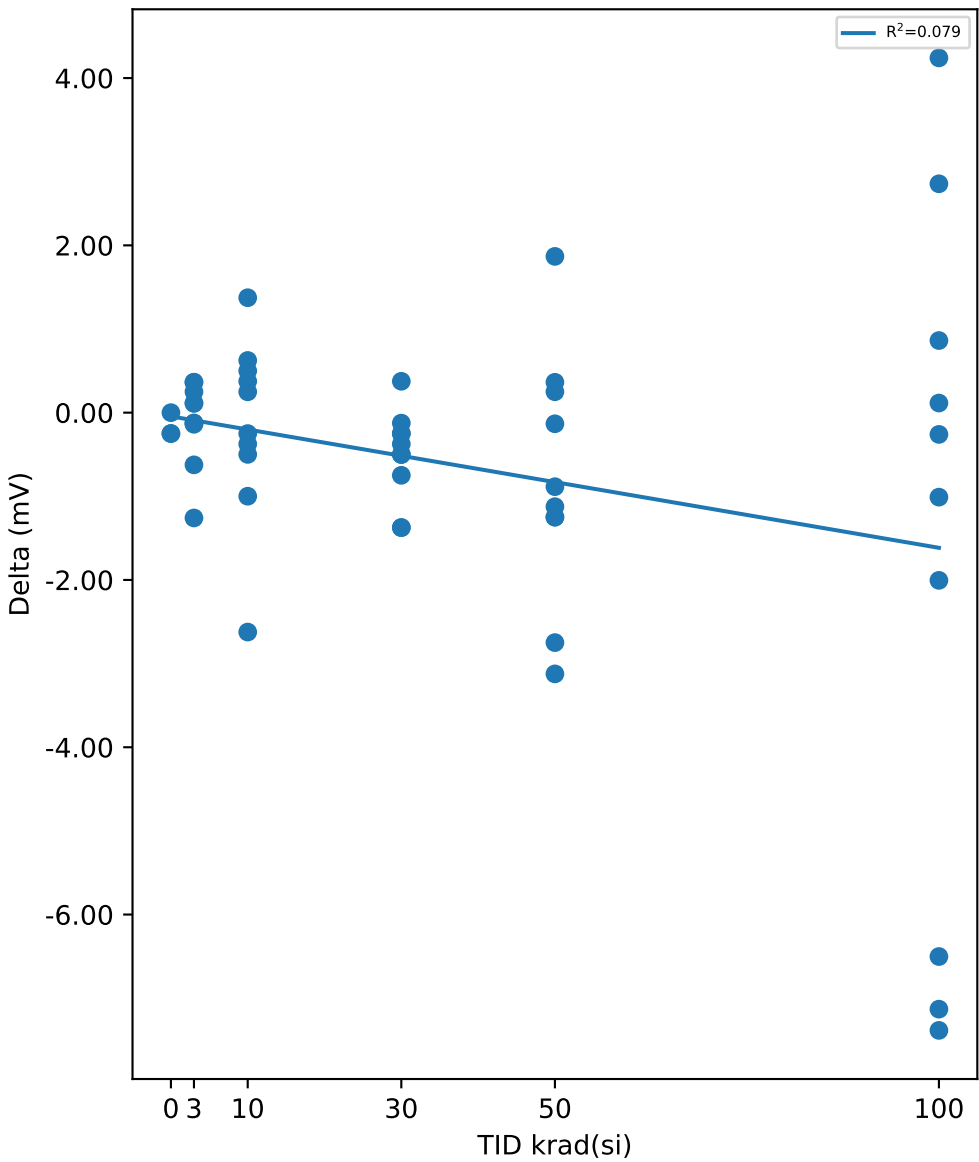
TID vs Result Stats



Test Results (Lower Limit = 475.0, Upper Limit = 517.0 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 495.43     | 495.18      | -0.249 |
| 301      | 0        | Correlation         | 492.68     | 492.68      | 0      |
| 302      | 0        | Correlation         | 498.05     | 497.8       | -0.25  |
| 303      | 3        | Bias                | 503.31     | 503.17      | -0.139 |
| 304      | 3        | Bias                | 500.31     | 500.67      | 0.364  |
| 305      | 3        | Bias                | 502.56     | 502.67      | 0.111  |
| 306      | 3        | Bias                | 498.81     | 498.92      | 0.115  |
| 307      | 3        | Bias                | 498.81     | 497.55      | -1.259 |
| 308      | 3        | Unbiased            | 500.56     | 500.92      | 0.363  |
| 309      | 3        | Unbiased            | 496.18     | 496.05      | -0.125 |
| 310      | 3        | Unbiased            | 495.43     | 495.3       | -0.124 |
| 311      | 3        | Unbiased            | 498.8      | 498.18      | -0.624 |
| 312      | 3        | Unbiased            | 499.17     | 499.42      | 0.25   |
| 313      | 10       | Bias                | 501.67     | 501.42      | -0.25  |
| 314      | 10       | Bias                | 499.8      | 500.17      | 0.375  |
| 315      | 10       | Bias                | 493.18     | 492.8       | -0.375 |
| 316      | 10       | Bias                | 499.17     | 496.55      | -2.623 |
| 317      | 10       | Bias                | 498.67     | 497.68      | -0.999 |
| 318      | 10       | Unbiased            | 496.43     | 497.05      | 0.624  |
| 319      | 10       | Unbiased            | 502.17     | 502.67      | 0.5    |
| 320      | 10       | Unbiased            | 498.55     | 498.8       | 0.249  |
| 321      | 10       | Unbiased            | 498.67     | 498.18      | -0.499 |
| 322      | 10       | Unbiased            | 493.43     | 494.8       | 1.374  |
| 323      | 30       | Bias                | 503.05     | 501.67      | -1.374 |
| 324      | 30       | Bias                | 493.3      | 492.8       | -0.5   |
| 325      | 30       | Bias                | 496.05     | 495.3       | -0.749 |
| 326      | 30       | Bias                | 493.8      | 492.43      | -1.374 |
| 327      | 30       | Bias                | 497.05     | 496.8       | -0.249 |
| 328      | 30       | Unbiased            | 499.8      | 500.17      | 0.375  |
| 329      | 30       | Unbiased            | 501.05     | 500.67      | -0.375 |
| 330      | 30       | Unbiased            | 498.92     | 498.8       | -0.125 |
| 331      | 30       | Unbiased            | 501.05     | 500.55      | -0.5   |
| 332      | 30       | Unbiased            | 495.93     | 495.68      | -0.25  |
| 333      | 50       | Bias                | 495.55     | 494.43      | -1.124 |
| 334      | 50       | Bias                | 498.05     | 496.8       | -1.249 |
| 335      | 50       | Bias                | 493.05     | 491.8       | -1.249 |
| 336      | 50       | Bias                | 497.8      | 494.68      | -3.123 |
| 337      | 50       | Bias                | 500.05     | 497.3       | -2.749 |
| 338      | 50       | Unbiased            | 501.42     | 501.67      | 0.25   |
| 339      | 50       | Unbiased            | 499.56     | 498.67      | -0.885 |
| 340      | 50       | Unbiased            | 497.31     | 497.18      | -0.133 |
| 341      | 50       | Unbiased            | 500.56     | 500.92      | 0.363  |
| 342      | 50       | Unbiased            | 495.31     | 497.18      | 1.868  |
| 343      | 100      | Bias                | 495.56     | 489.06      | -6.502 |
| 344      | 100      | Bias                | 496.68     | 494.68      | -2.005 |
| 345      | 100      | Bias                | 499.68     | 492.55      | -7.131 |
| 346      | 100      | Bias                | 503.31     | 495.93      | -7.385 |
| 347      | 100      | Bias                | 499.68     | 498.67      | -1.01  |
| 348      | 100      | Unbiased            | 499.56     | 499.3       | -0.26  |
| 349      | 100      | Unbiased            | 500.94     | 503.67      | 2.736  |
| 350      | 100      | Unbiased            | 496.68     | 500.92      | 4.241  |
| 351      | 100      | Unbiased            | 501.69     | 502.55      | 0.862  |
| 352      | 100      | Unbiased            | 498.68     | 498.8       | 0.115  |

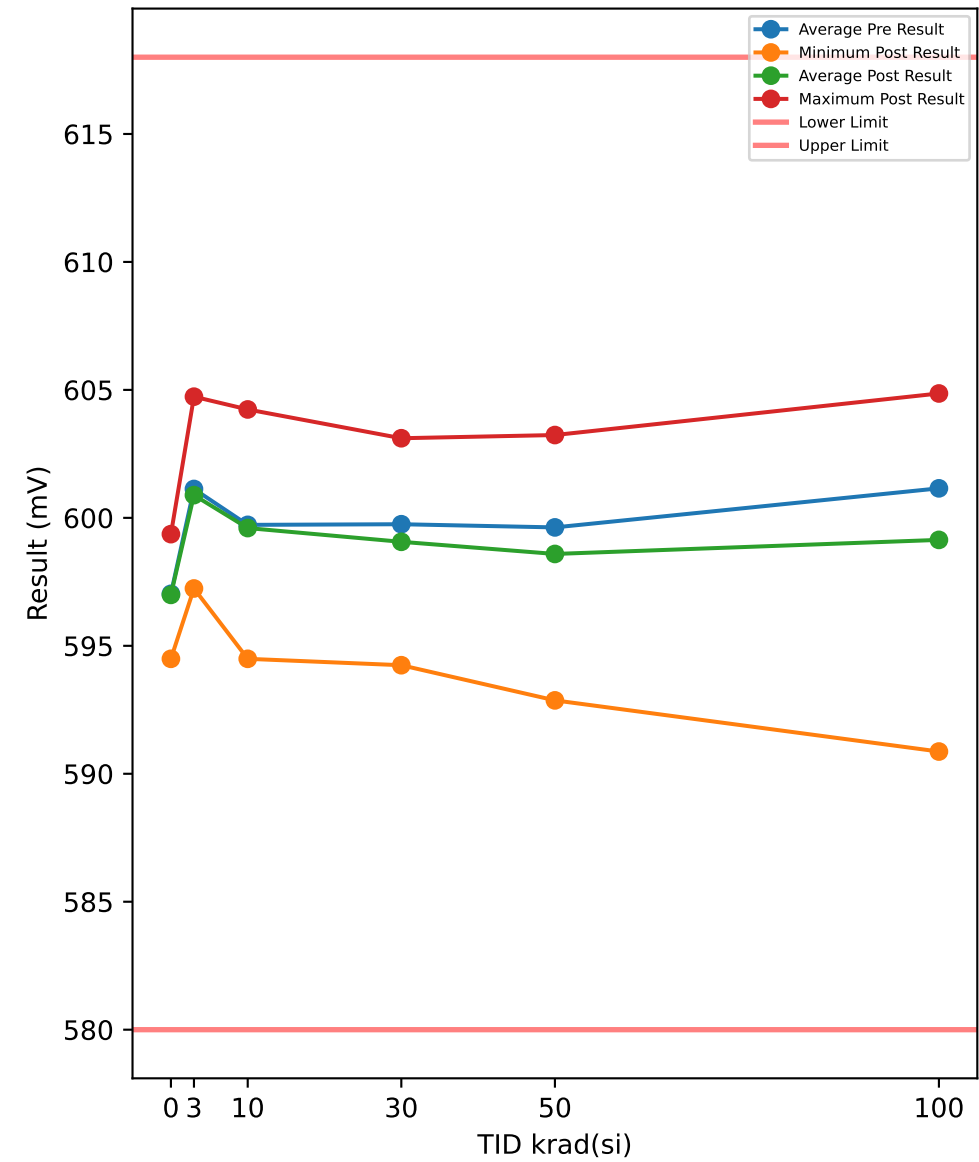
TID vs Post - Pre Exposure Delta



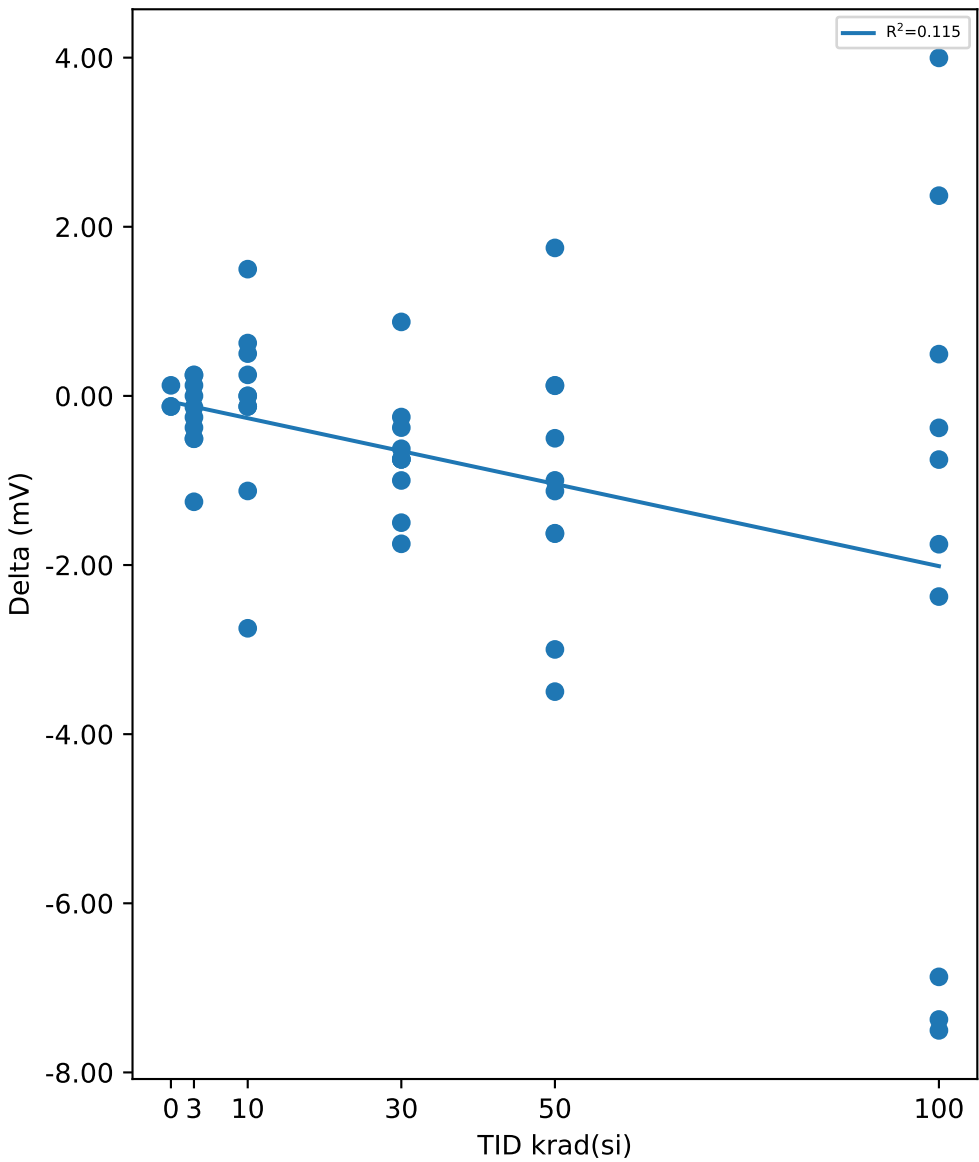
Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 492.68           | 495.38           | 498.05           | 2.6862           | 492.68            | 495.22            | 497.8             | 2.5613            | -0.25     | -0.16633  | 0         | 0.14405   |
| 3        | 495.43           | 499.39           | 503.31           | 2.4666           | 495.3             | 499.29            | 503.17            | 2.6227            | -1.259    | -0.1068   | 0.364     | 0.50145   |
| 10       | 493.18           | 498.17           | 502.17           | 3.0377           | 492.8             | 498.01            | 502.67            | 2.968             | -2.623    | -0.1624   | 1.374     | 1.0953    |
| 30       | 493.3            | 498              | 503.05           | 3.2801           | 492.43            | 497.49            | 501.67            | 3.3672            | -1.374    | -0.5121   | 0.375     | 0.54116   |
| 50       | 493.05           | 497.87           | 501.42           | 2.645            | 491.8             | 497.06            | 501.67            | 2.9664            | -3.123    | -0.8031   | 1.868     | 1.4806    |
| 100      | 495.56           | 499.25           | 503.31           | 2.424            | 489.06            | 497.61            | 503.67            | 4.5666            | -7.385    | -1.6339   | 4.241     | 4.1137    |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



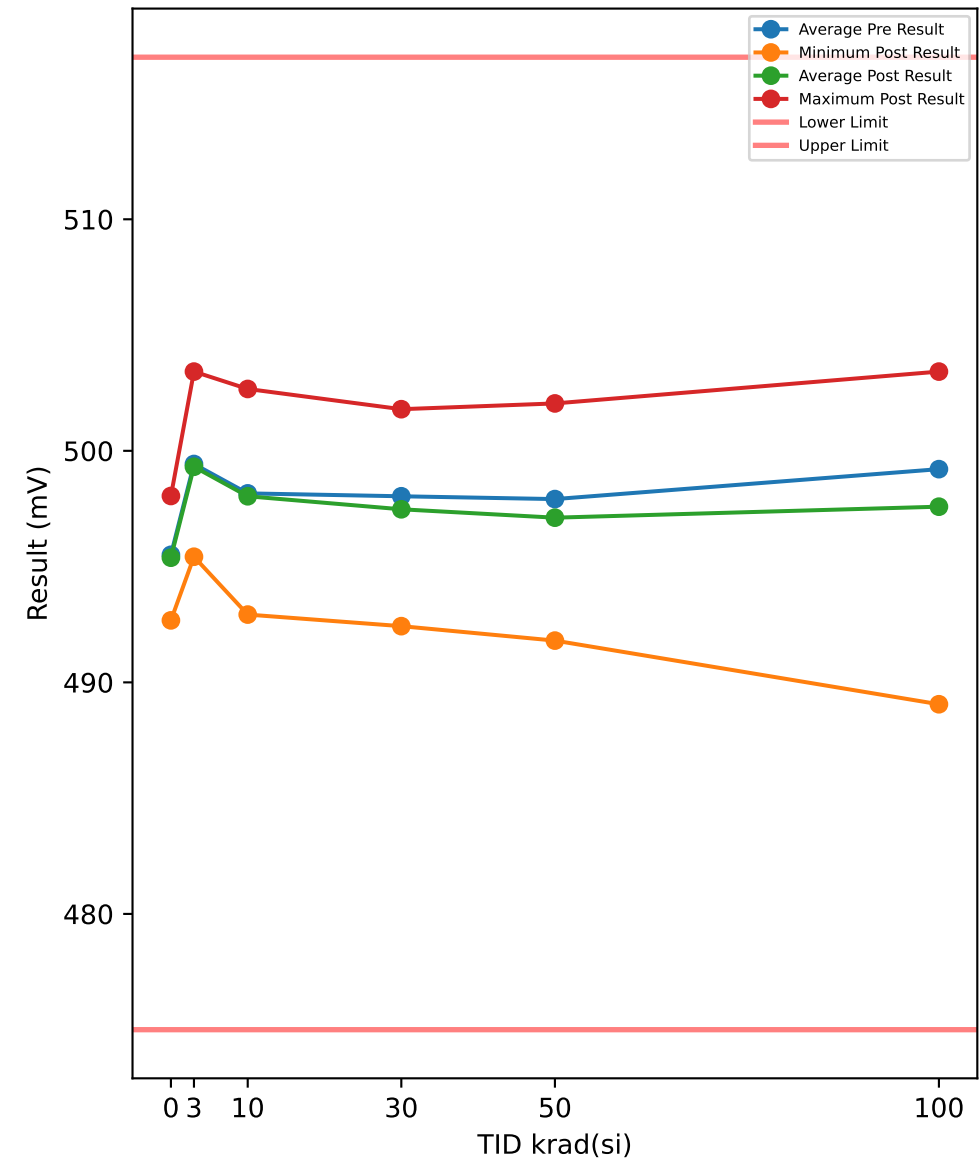
Test Results (Lower Limit = 580.0, Upper Limit = 618.0 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 597.24     | 597.12      | -0.125 |
| 301      | 0        | Correlation         | 594.37     | 594.49      | 0.125  |
| 302      | 0        | Correlation         | 599.49     | 599.36      | -0.125 |
| 303      | 3        | Bias                | 604.87     | 604.74      | -0.133 |
| 304      | 3        | Bias                | 602.24     | 601.74      | -0.505 |
| 305      | 3        | Bias                | 604.37     | 603.86      | -0.507 |
| 306      | 3        | Bias                | 600.74     | 600.49      | -0.253 |
| 307      | 3        | Bias                | 600.49     | 599.24      | -1.252 |
| 308      | 3        | Unbiased            | 602.37     | 602.61      | 0.245  |
| 309      | 3        | Unbiased            | 597.87     | 598.11      | 0.249  |
| 310      | 3        | Unbiased            | 597.12     | 597.24      | 0.125  |
| 311      | 3        | Unbiased            | 600.36     | 599.99      | -0.375 |
| 312      | 3        | Unbiased            | 600.86     | 600.86      | 0      |
| 313      | 10       | Bias                | 602.86     | 602.86      | 0      |
| 314      | 10       | Bias                | 601.36     | 601.61      | 0.249  |
| 315      | 10       | Bias                | 594.62     | 594.49      | -0.125 |
| 316      | 10       | Bias                | 600.74     | 597.99      | -2.748 |
| 317      | 10       | Bias                | 600.36     | 599.24      | -1.124 |
| 318      | 10       | Unbiased            | 598.36     | 598.99      | 0.625  |
| 319      | 10       | Unbiased            | 603.74     | 604.24      | 0.5    |
| 320      | 10       | Unbiased            | 599.86     | 599.86      | 0      |
| 321      | 10       | Unbiased            | 600.11     | 599.99      | -0.125 |
| 322      | 10       | Unbiased            | 595.24     | 596.74      | 1.499  |
| 323      | 30       | Bias                | 604.86     | 603.11      | -1.749 |
| 324      | 30       | Bias                | 595.37     | 594.62      | -0.749 |
| 325      | 30       | Bias                | 597.74     | 596.74      | -1     |
| 326      | 30       | Bias                | 595.74     | 594.24      | -1.499 |
| 327      | 30       | Bias                | 598.74     | 598.11      | -0.625 |
| 328      | 30       | Unbiased            | 601.74     | 602.61      | 0.875  |
| 329      | 30       | Unbiased            | 602.49     | 602.11      | -0.375 |
| 330      | 30       | Unbiased            | 600.74     | 600.49      | -0.25  |
| 331      | 30       | Unbiased            | 602.61     | 601.86      | -0.75  |
| 332      | 30       | Unbiased            | 597.49     | 596.74      | -0.75  |
| 333      | 50       | Bias                | 597.24     | 596.24      | -0.999 |
| 334      | 50       | Bias                | 599.36     | 598.24      | -1.125 |
| 335      | 50       | Bias                | 594.49     | 592.87      | -1.624 |
| 336      | 50       | Bias                | 599.86     | 596.37      | -3.497 |
| 337      | 50       | Bias                | 601.61     | 598.61      | -2.998 |
| 338      | 50       | Unbiased            | 603.11     | 603.24      | 0.125  |
| 339      | 50       | Unbiased            | 601.99     | 600.36      | -1.629 |
| 340      | 50       | Unbiased            | 599.24     | 598.74      | -0.501 |
| 341      | 50       | Unbiased            | 602.12     | 602.24      | 0.12   |
| 342      | 50       | Unbiased            | 597.24     | 598.99      | 1.75   |
| 343      | 100      | Bias                | 597.74     | 590.87      | -6.87  |
| 344      | 100      | Bias                | 598.24     | 595.87      | -2.373 |
| 345      | 100      | Bias                | 601.87     | 594.49      | -7.374 |
| 346      | 100      | Bias                | 605.12     | 597.62      | -7.503 |
| 347      | 100      | Bias                | 602.12     | 600.36      | -1.754 |
| 348      | 100      | Unbiased            | 601.24     | 600.49      | -0.753 |
| 349      | 100      | Unbiased            | 602.49     | 604.86      | 2.368  |
| 350      | 100      | Unbiased            | 598.74     | 602.74      | 3.997  |
| 351      | 100      | Unbiased            | 603.24     | 603.74      | 0.494  |
| 352      | 100      | Unbiased            | 600.74     | 600.36      | -0.378 |

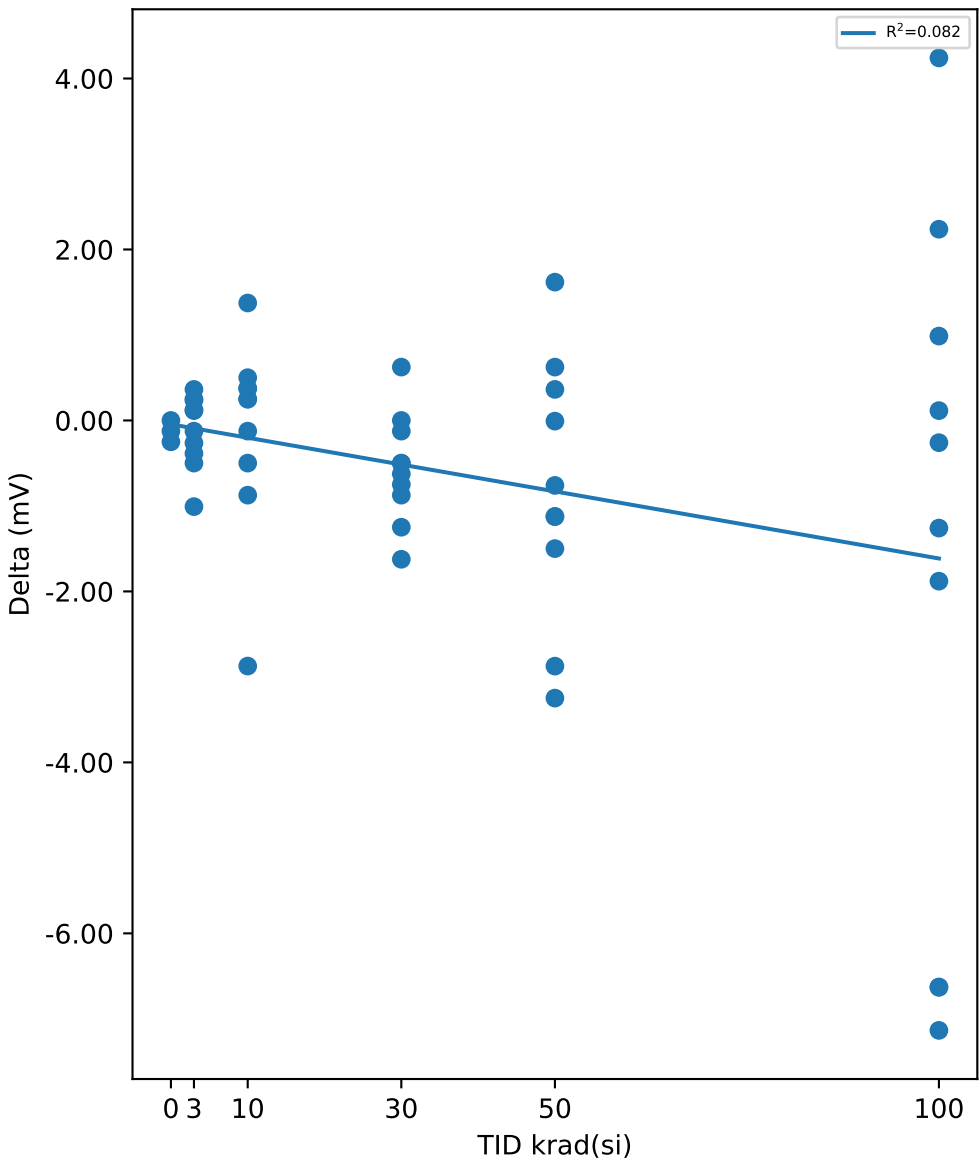
Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 594.37           | 597.03           | 599.49           | 2.5673           | 594.49            | 596.99            | 599.36            | 2.4384            | -0.125    | -0.041667 | 0.125     | 0.14434   |
| 3        | 597.12           | 601.13           | 604.87           | 2.4771           | 597.24            | 600.89            | 604.74            | 2.4043            | -1.252    | -0.2406   | 0.249     | 0.45469   |
| 10       | 594.62           | 599.73           | 603.74           | 2.9489           | 594.49            | 599.6             | 604.24            | 2.8629            | -2.748    | -0.1249   | 1.499     | 1.1372    |
| 30       | 595.37           | 599.75           | 604.86           | 3.2003           | 594.24            | 599.06            | 603.11            | 3.3804            | -1.749    | -0.6872   | 0.875     | 0.71717   |
| 50       | 594.49           | 599.63           | 603.11           | 2.7063           | 592.87            | 598.59            | 603.24            | 3.01              | -3.497    | -1.0378   | 1.75      | 1.54      |
| 100      | 597.74           | 601.15           | 605.12           | 2.3443           | 590.87            | 599.14            | 604.86            | 4.4051            | -7.503    | -2.0146   | 3.997     | 4.0624    |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



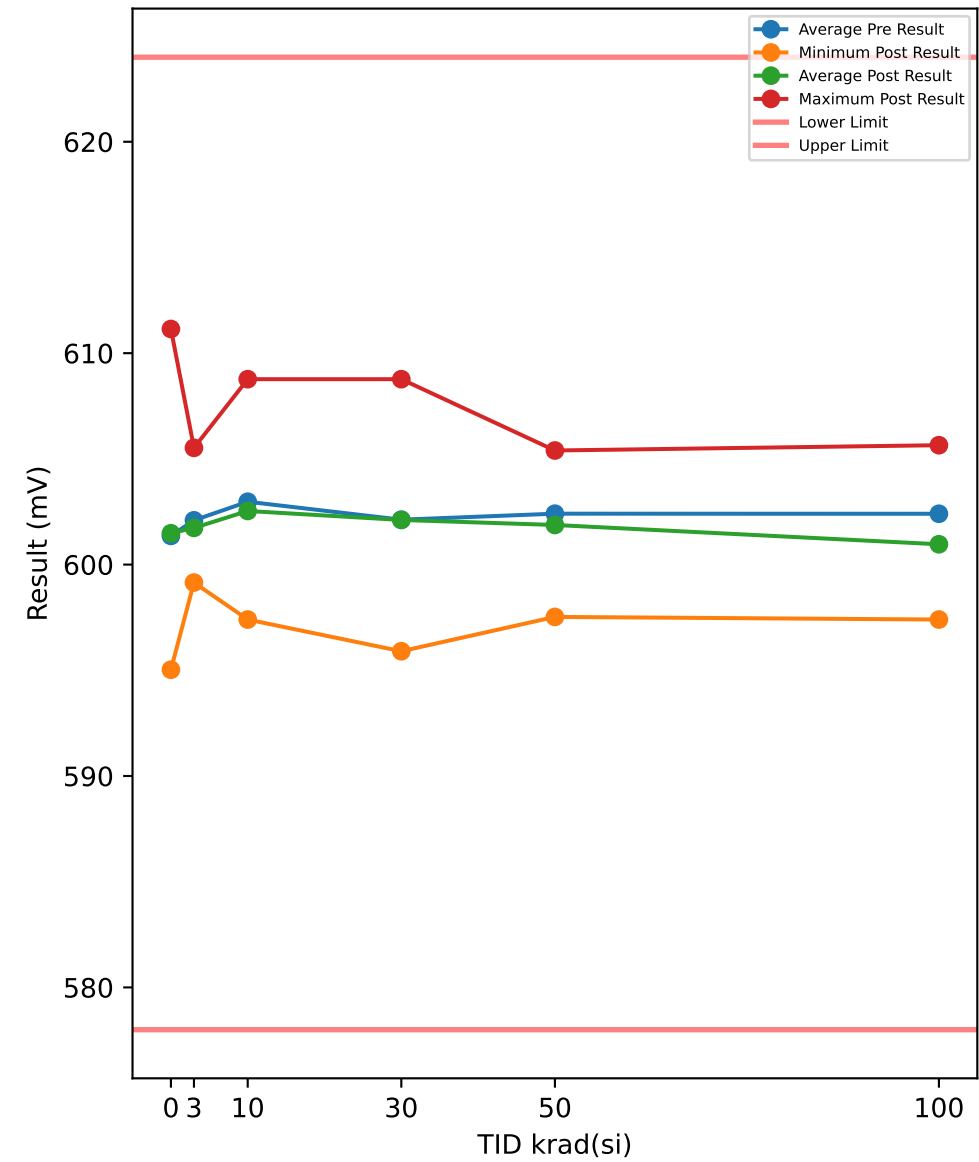
Test Results (Lower Limit = 475.0, Upper Limit = 517.0 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 495.68     | 495.43      | -0.25  |
| 301      | 0        | Correlation         | 492.68     | 492.68      | 0      |
| 302      | 0        | Correlation         | 498.18     | 498.05      | -0.125 |
| 303      | 3        | Bias                | 503.19     | 503.42      | 0.236  |
| 304      | 3        | Bias                | 500.69     | 500.3       | -0.386 |
| 305      | 3        | Bias                | 502.94     | 502.67      | -0.264 |
| 306      | 3        | Bias                | 498.81     | 498.92      | 0.115  |
| 307      | 3        | Bias                | 498.56     | 497.55      | -1.008 |
| 308      | 3        | Unbiased            | 500.56     | 500.92      | 0.363  |
| 309      | 3        | Unbiased            | 496.3      | 496.18      | -0.125 |
| 310      | 3        | Unbiased            | 495.3      | 495.43      | 0.124  |
| 311      | 3        | Unbiased            | 498.67     | 498.18      | -0.499 |
| 312      | 3        | Unbiased            | 499.3      | 499.55      | 0.25   |
| 313      | 10       | Bias                | 501.42     | 501.8       | 0.375  |
| 314      | 10       | Bias                | 499.92     | 500.17      | 0.25   |
| 315      | 10       | Bias                | 493.05     | 492.93      | -0.125 |
| 316      | 10       | Bias                | 499.17     | 496.3       | -2.873 |
| 317      | 10       | Bias                | 498.8      | 497.93      | -0.874 |
| 318      | 10       | Unbiased            | 496.43     | 496.8       | 0.375  |
| 319      | 10       | Unbiased            | 502.17     | 502.67      | 0.5    |
| 320      | 10       | Unbiased            | 498.43     | 498.67      | 0.249  |
| 321      | 10       | Unbiased            | 498.8      | 498.3       | -0.499 |
| 322      | 10       | Unbiased            | 493.43     | 494.8       | 1.374  |
| 323      | 30       | Bias                | 503.42     | 501.8       | -1.624 |
| 324      | 30       | Bias                | 493.43     | 492.93      | -0.5   |
| 325      | 30       | Bias                | 495.93     | 495.18      | -0.749 |
| 326      | 30       | Bias                | 493.68     | 492.43      | -1.249 |
| 327      | 30       | Bias                | 496.93     | 496.8       | -0.125 |
| 328      | 30       | Unbiased            | 499.8      | 500.42      | 0.624  |
| 329      | 30       | Unbiased            | 501.17     | 500.67      | -0.5   |
| 330      | 30       | Unbiased            | 498.8      | 498.8       | 0      |
| 331      | 30       | Unbiased            | 501.17     | 500.3       | -0.874 |
| 332      | 30       | Unbiased            | 496.05     | 495.43      | -0.625 |
| 333      | 50       | Bias                | 495.43     | 494.3       | -1.124 |
| 334      | 50       | Bias                | 497.93     | 496.8       | -1.124 |
| 335      | 50       | Bias                | 493.3      | 491.8       | -1.499 |
| 336      | 50       | Bias                | 498.18     | 494.93      | -3.248 |
| 337      | 50       | Bias                | 500.05     | 497.18      | -2.874 |
| 338      | 50       | Unbiased            | 501.42     | 502.05      | 0.624  |
| 339      | 50       | Unbiased            | 499.56     | 498.8       | -0.76  |
| 340      | 50       | Unbiased            | 497.31     | 497.3       | -0.008 |
| 341      | 50       | Unbiased            | 500.44     | 500.8       | 0.363  |
| 342      | 50       | Unbiased            | 495.56     | 497.18      | 1.618  |
| 343      | 100      | Bias                | 495.68     | 489.06      | -6.627 |
| 344      | 100      | Bias                | 496.43     | 494.55      | -1.88  |
| 345      | 100      | Bias                | 499.43     | 492.8       | -6.631 |
| 346      | 100      | Bias                | 503.31     | 496.18      | -7.135 |
| 347      | 100      | Bias                | 499.68     | 498.43      | -1.259 |
| 348      | 100      | Unbiased            | 499.43     | 499.17      | -0.26  |
| 349      | 100      | Unbiased            | 501.19     | 503.42      | 2.237  |
| 350      | 100      | Unbiased            | 496.68     | 500.92      | 4.241  |
| 351      | 100      | Unbiased            | 501.56     | 502.55      | 0.987  |
| 352      | 100      | Unbiased            | 498.68     | 498.8       | 0.115  |

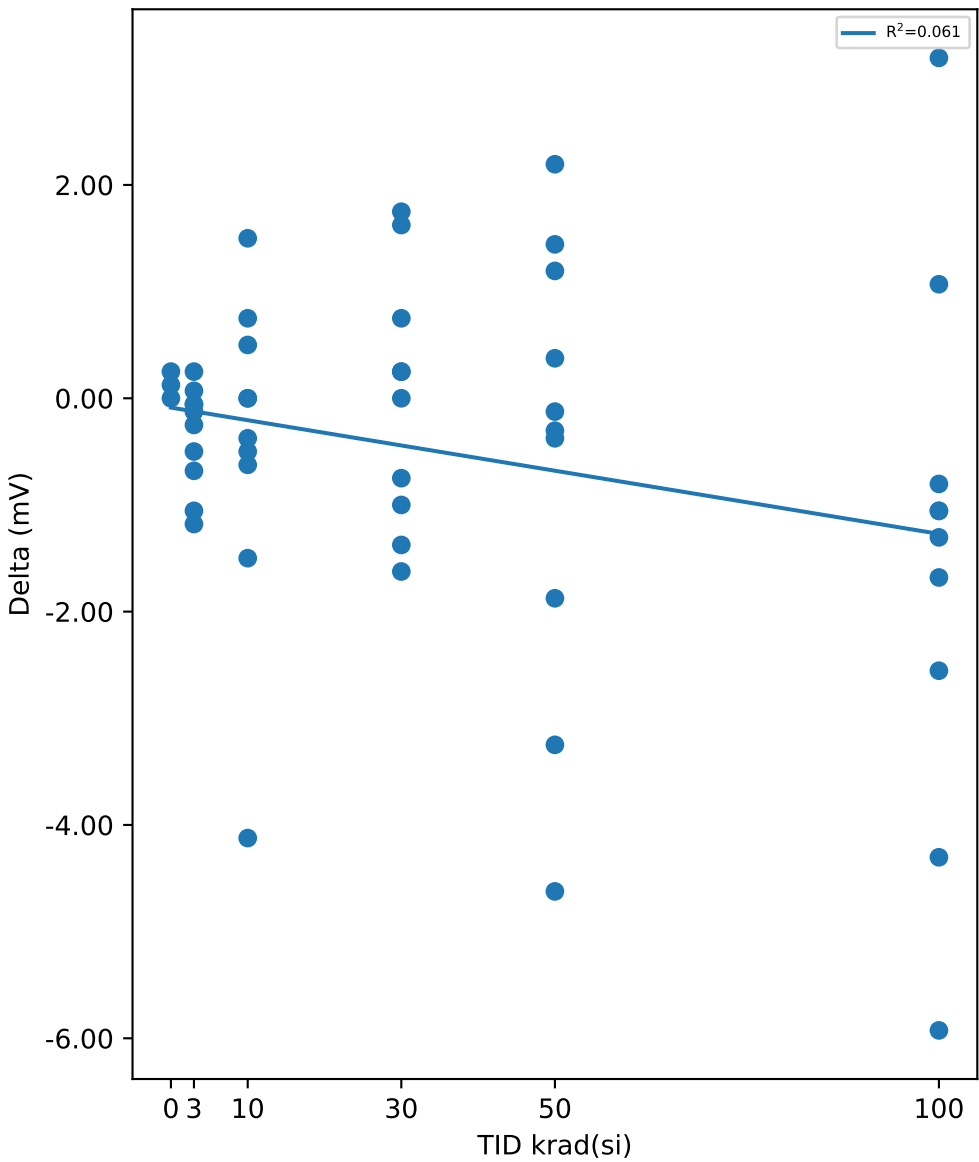
Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 492.68           | 495.51           | 498.18           | 2.7523           | 492.68            | 495.38            | 498.05            | 2.6862            | -0.25     | -0.125    | 0         | 0.125     |
| 3        | 495.3            | 499.43           | 503.19           | 2.5346           | 495.43            | 499.31            | 503.42            | 2.6096            | -1.008    | -0.1194   | 0.363     | 0.42627   |
| 10       | 493.05           | 498.16           | 502.17           | 3.0414           | 492.93            | 498.04            | 502.67            | 3.0146            | -2.873    | -0.1248   | 1.374     | 1.1387    |
| 30       | 493.43           | 498.04           | 503.42           | 3.3705           | 492.43            | 497.48            | 501.8             | 3.3898            | -1.624    | -0.5622   | 0.624     | 0.63746   |
| 50       | 493.3            | 497.92           | 501.42           | 2.5685           | 491.8             | 497.11            | 502.05            | 3.0143            | -3.248    | -0.8032   | 1.618     | 1.522     |
| 100      | 495.68           | 499.21           | 503.31           | 2.4358           | 489.06            | 497.59            | 503.42            | 4.4889            | -7.135    | -1.6212   | 4.241     | 3.9676    |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 578.0, Upper Limit = 624.0 (mV))

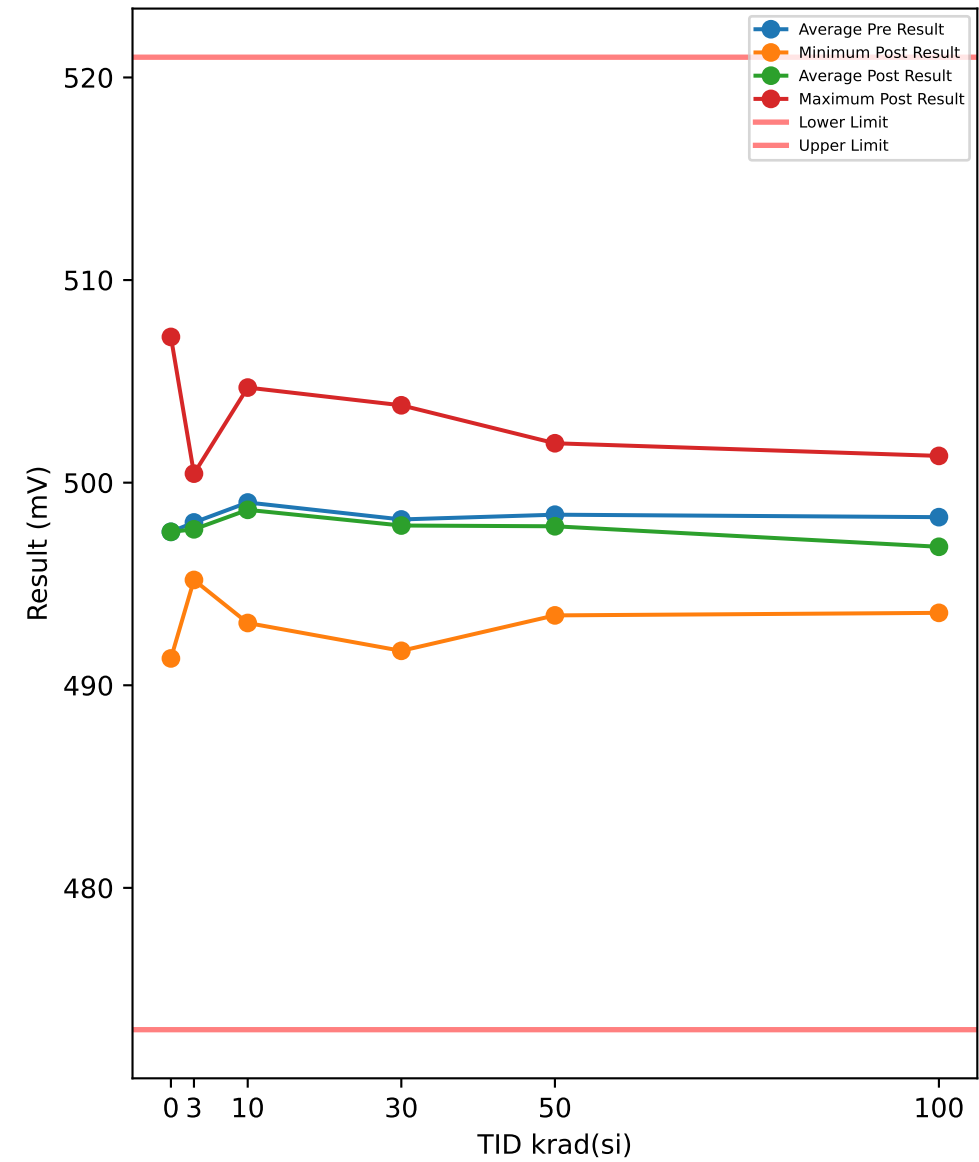
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 595.03     | 595.03      | 0      |
| 301      | 0        | Correlation         | 598.02     | 598.27      | 0.25   |
| 302      | 0        | Correlation         | 611.02     | 611.14      | 0.125  |
| 303      | 3        | Bias                | 602.45     | 602.52      | 0.07   |
| 304      | 3        | Bias                | 603.33     | 602.65      | -0.68  |
| 305      | 3        | Bias                | 599.83     | 599.77      | -0.057 |
| 306      | 3        | Bias                | 601.58     | 600.52      | -1.055 |
| 307      | 3        | Bias                | 605.2      | 604.02      | -1.179 |
| 308      | 3        | Unbiased            | 600.83     | 600.77      | -0.056 |
| 309      | 3        | Unbiased            | 601.77     | 601.65      | -0.125 |
| 310      | 3        | Unbiased            | 601.02     | 600.77      | -0.25  |
| 311      | 3        | Unbiased            | 599.65     | 599.15      | -0.499 |
| 312      | 3        | Unbiased            | 605.27     | 605.52      | 0.25   |
| 313      | 10       | Bias                | 604.65     | 604.27      | -0.375 |
| 314      | 10       | Bias                | 606.77     | 606.77      | 0      |
| 315      | 10       | Bias                | 600.77     | 601.52      | 0.75   |
| 316      | 10       | Bias                | 603.15     | 599.02      | -4.123 |
| 317      | 10       | Bias                | 604.27     | 603.77      | -0.499 |
| 318      | 10       | Unbiased            | 603.4      | 603.4       | 0      |
| 319      | 10       | Unbiased            | 601.9      | 601.27      | -0.624 |
| 320      | 10       | Unbiased            | 598.9      | 597.4       | -1.499 |
| 321      | 10       | Unbiased            | 597.65     | 599.15      | 1.5    |
| 322      | 10       | Unbiased            | 608.27     | 608.77      | 0.5    |
| 323      | 30       | Bias                | 605.65     | 604.27      | -1.375 |
| 324      | 30       | Bias                | 600.52     | 600.77      | 0.25   |
| 325      | 30       | Bias                | 607.15     | 605.52      | -1.624 |
| 326      | 30       | Bias                | 596.9      | 595.9       | -1     |
| 327      | 30       | Bias                | 604.9      | 604.9       | 0      |
| 328      | 30       | Unbiased            | 597.4      | 597.65      | 0.249  |
| 329      | 30       | Unbiased            | 598.02     | 597.28      | -0.749 |
| 330      | 30       | Unbiased            | 607.02     | 608.77      | 1.749  |
| 331      | 30       | Unbiased            | 604.27     | 605.02      | 0.75   |
| 332      | 30       | Unbiased            | 599.4      | 601.02      | 1.624  |
| 333      | 50       | Bias                | 603.77     | 600.52      | -3.249 |
| 334      | 50       | Bias                | 605.02     | 604.9       | -0.125 |
| 335      | 50       | Bias                | 599.4      | 597.52      | -1.875 |
| 336      | 50       | Bias                | 603.02     | 598.4       | -4.623 |
| 337      | 50       | Bias                | 601.65     | 601.27      | -0.375 |
| 338      | 50       | Unbiased            | 600.52     | 600.9       | 0.375  |
| 339      | 50       | Unbiased            | 601.83     | 603.02      | 1.194  |
| 340      | 50       | Unbiased            | 600.71     | 602.15      | 1.443  |
| 341      | 50       | Unbiased            | 605.7      | 605.4       | -0.304 |
| 342      | 50       | Unbiased            | 602.45     | 604.65      | 2.194  |
| 343      | 100      | Bias                | 601.45     | 600.4       | -1.055 |
| 344      | 100      | Bias                | 603.83     | 602.52      | -1.304 |
| 345      | 100      | Bias                | 607.2      | 601.27      | -5.926 |
| 346      | 100      | Bias                | 599.08     | 597.4       | -1.68  |
| 347      | 100      | Bias                | 603.58     | 599.27      | -4.303 |
| 348      | 100      | Unbiased            | 597.08     | 600.27      | 3.191  |
| 349      | 100      | Unbiased            | 603.2      | 600.65      | -2.554 |
| 350      | 100      | Unbiased            | 602.33     | 603.4       | 1.069  |
| 351      | 100      | Unbiased            | 599.83     | 598.77      | -1.056 |
| 352      | 100      | Unbiased            | 606.45     | 605.65      | -0.803 |

Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 595.03           | 601.36           | 611.02           | 8.5007           | 595.03            | 601.48            | 611.14            | 8.5237            | 0         | 0.125     | 0.25      | 0.125     |
| 3        | 599.65           | 602.09           | 605.27           | 1.9893           | 599.15            | 601.74            | 605.52            | 1.9685            | -1.179    | -0.3581   | 0.25      | 0.4812    |
| 10       | 597.65           | 602.97           | 608.27           | 3.3015           | 597.4             | 602.54            | 608.77            | 3.5725            | -4.123    | -0.437    | 1.5       | 1.534     |
| 30       | 596.9            | 602.12           | 607.15           | 4.0864           | 595.9             | 602.11            | 608.77            | 4.2386            | -1.624    | -0.0126   | 1.749     | 1.1771    |
| 50       | 599.4            | 602.41           | 605.7            | 2.0091           | 597.52            | 601.87            | 605.4             | 2.6823            | -4.623    | -0.5345   | 2.194     | 2.1421    |
| 100      | 597.08           | 602.4            | 607.2            | 3.1675           | 597.4             | 600.96            | 605.65            | 2.3948            | -5.926    | -1.4421   | 3.191     | 2.5404    |



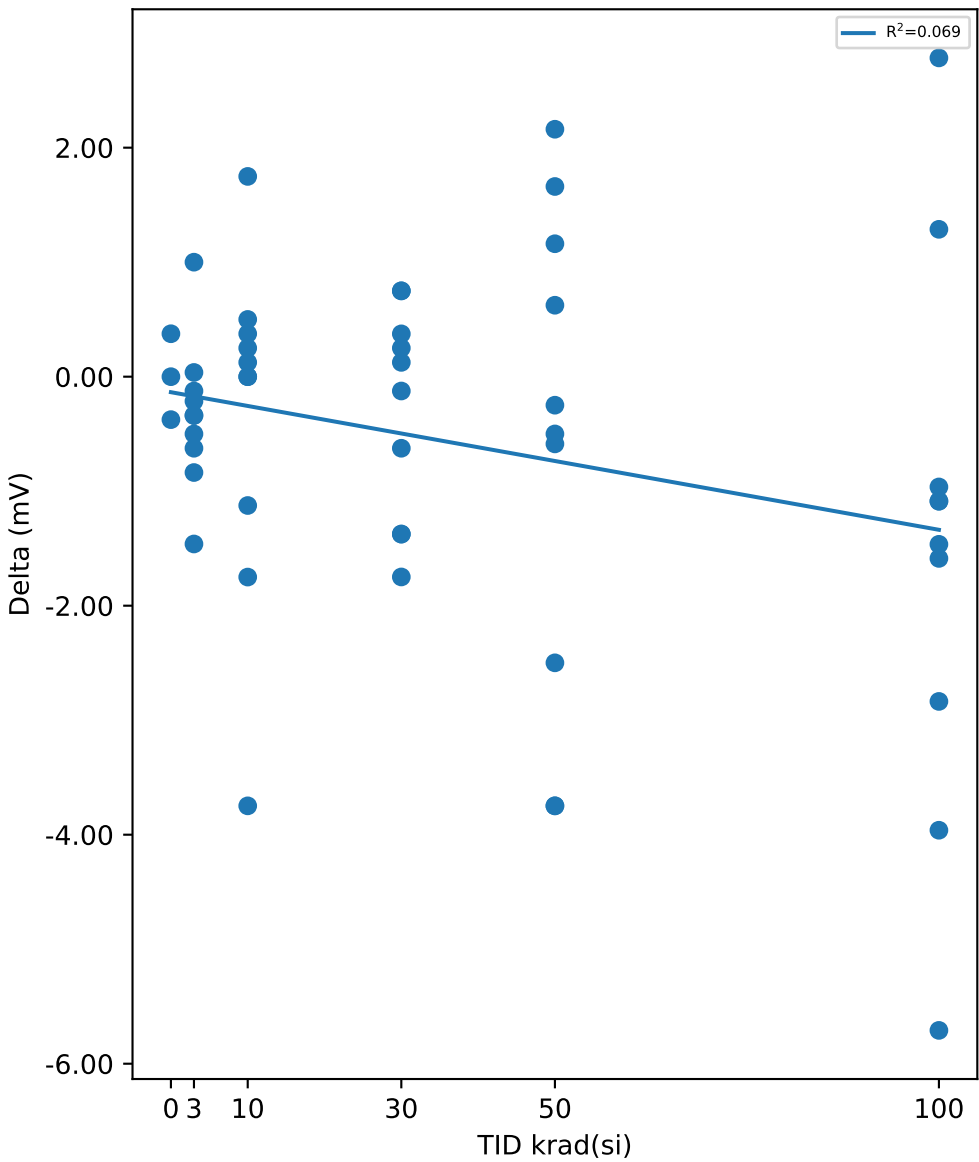
TID vs Result Stats



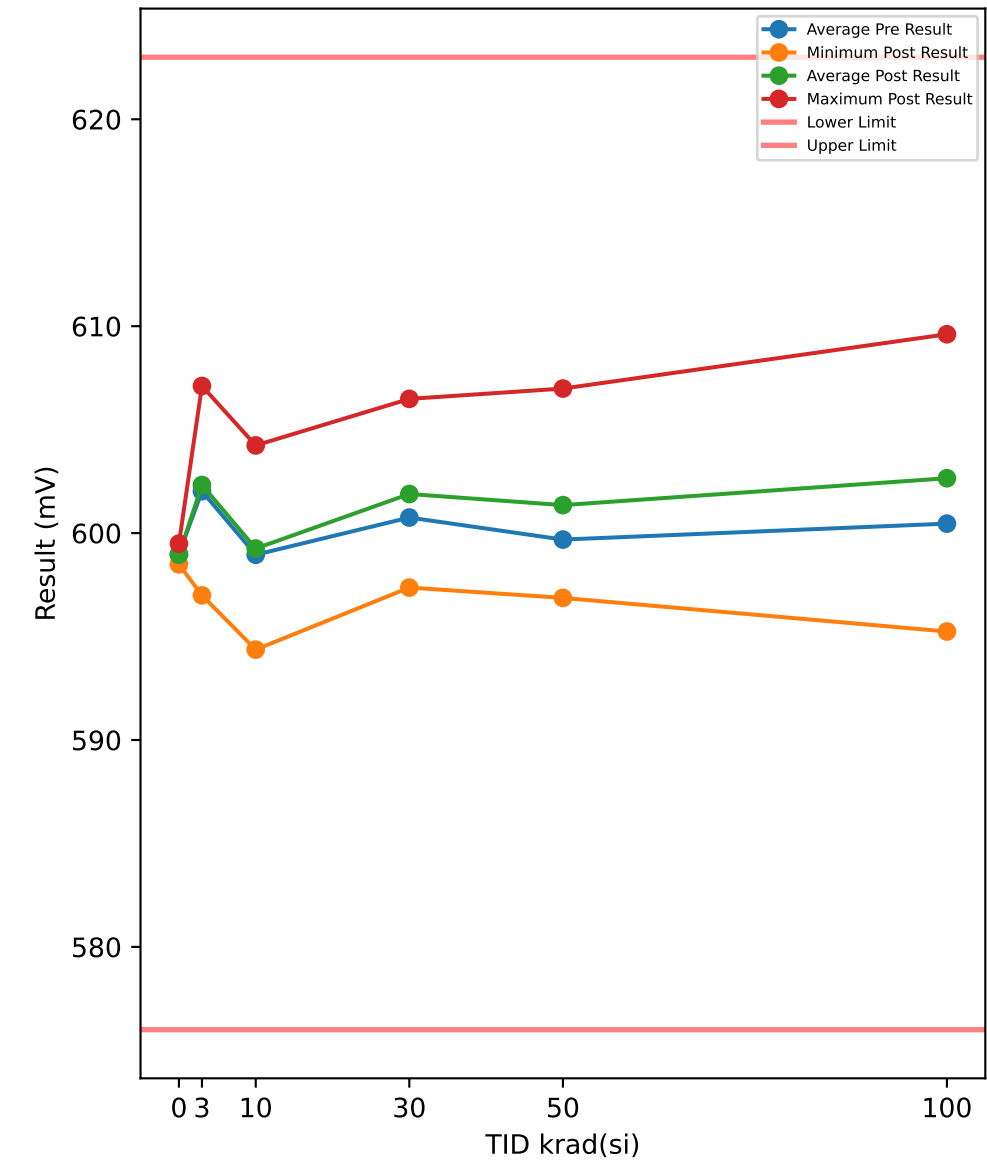
Test Results (Lower Limit = 473.0, Upper Limit = 521.0 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 490.95     | 491.32      | 0.375  |
| 301      | 0        | Correlation         | 494.2      | 494.2       | 0      |
| 302      | 0        | Correlation         | 507.57     | 507.19      | -0.375 |
| 303      | 3        | Bias                | 498.41     | 498.07      | -0.338 |
| 304      | 3        | Bias                | 499.16     | 498.32      | -0.837 |
| 305      | 3        | Bias                | 496.29     | 495.95      | -0.339 |
| 306      | 3        | Bias                | 497.41     | 497.2       | -0.214 |
| 307      | 3        | Bias                | 501.66     | 500.2       | -1.461 |
| 308      | 3        | Unbiased            | 497.04     | 497.07      | 0.037  |
| 309      | 3        | Unbiased            | 497.2      | 498.2       | 1      |
| 310      | 3        | Unbiased            | 496.45     | 496.32      | -0.125 |
| 311      | 3        | Unbiased            | 495.7      | 495.2       | -0.5   |
| 312      | 3        | Unbiased            | 501.07     | 500.45      | -0.625 |
| 313      | 10       | Bias                | 500.95     | 500.95      | 0      |
| 314      | 10       | Bias                | 503.07     | 501.94      | -1.125 |
| 315      | 10       | Bias                | 497.2      | 497.57      | 0.375  |
| 316      | 10       | Bias                | 498.45     | 494.7       | -3.748 |
| 317      | 10       | Bias                | 500.57     | 500.7       | 0.125  |
| 318      | 10       | Unbiased            | 499.57     | 500.07      | 0.5    |
| 319      | 10       | Unbiased            | 497.7      | 497.7       | 0      |
| 320      | 10       | Unbiased            | 494.82     | 493.07      | -1.75  |
| 321      | 10       | Unbiased            | 493.45     | 495.2       | 1.749  |
| 322      | 10       | Unbiased            | 504.44     | 504.69      | 0.25   |
| 323      | 30       | Bias                | 501.2      | 500.57      | -0.625 |
| 324      | 30       | Bias                | 496.07     | 496.32      | 0.25   |
| 325      | 30       | Bias                | 503.44     | 502.07      | -1.374 |
| 326      | 30       | Bias                | 493.45     | 491.7       | -1.749 |
| 327      | 30       | Bias                | 500.82     | 500.95      | 0.125  |
| 328      | 30       | Unbiased            | 492.7      | 493.07      | 0.374  |
| 329      | 30       | Unbiased            | 494.82     | 493.45      | -1.375 |
| 330      | 30       | Unbiased            | 503.07     | 503.82      | 0.749  |
| 331      | 30       | Unbiased            | 500.7      | 500.57      | -0.125 |
| 332      | 30       | Unbiased            | 495.57     | 496.32      | 0.75   |
| 333      | 50       | Bias                | 499.7      | 495.95      | -3.748 |
| 334      | 50       | Bias                | 501.32     | 501.94      | 0.624  |
| 335      | 50       | Bias                | 495.95     | 493.45      | -2.499 |
| 336      | 50       | Bias                | 498.45     | 494.7       | -3.748 |
| 337      | 50       | Bias                | 497.2      | 496.95      | -0.249 |
| 338      | 50       | Unbiased            | 496.82     | 496.32      | -0.5   |
| 339      | 50       | Unbiased            | 497.79     | 498.95      | 1.161  |
| 340      | 50       | Unbiased            | 496.66     | 498.32      | 1.661  |
| 341      | 50       | Unbiased            | 502.03     | 501.44      | -0.587 |
| 342      | 50       | Unbiased            | 498.29     | 500.45      | 2.161  |
| 343      | 100      | Bias                | 497.41     | 496.32      | -1.088 |
| 344      | 100      | Bias                | 500.03     | 498.45      | -1.587 |
| 345      | 100      | Bias                | 502.53     | 496.82      | -5.709 |
| 346      | 100      | Bias                | 495.04     | 493.57      | -1.464 |
| 347      | 100      | Bias                | 499.16     | 495.2       | -3.961 |
| 348      | 100      | Unbiased            | 493.04     | 495.82      | 2.784  |
| 349      | 100      | Unbiased            | 499.66     | 496.82      | -2.836 |
| 350      | 100      | Unbiased            | 497.91     | 499.2       | 1.287  |
| 351      | 100      | Unbiased            | 495.79     | 494.82      | -0.963 |
| 352      | 100      | Unbiased            | 502.41     | 501.32      | -1.086 |

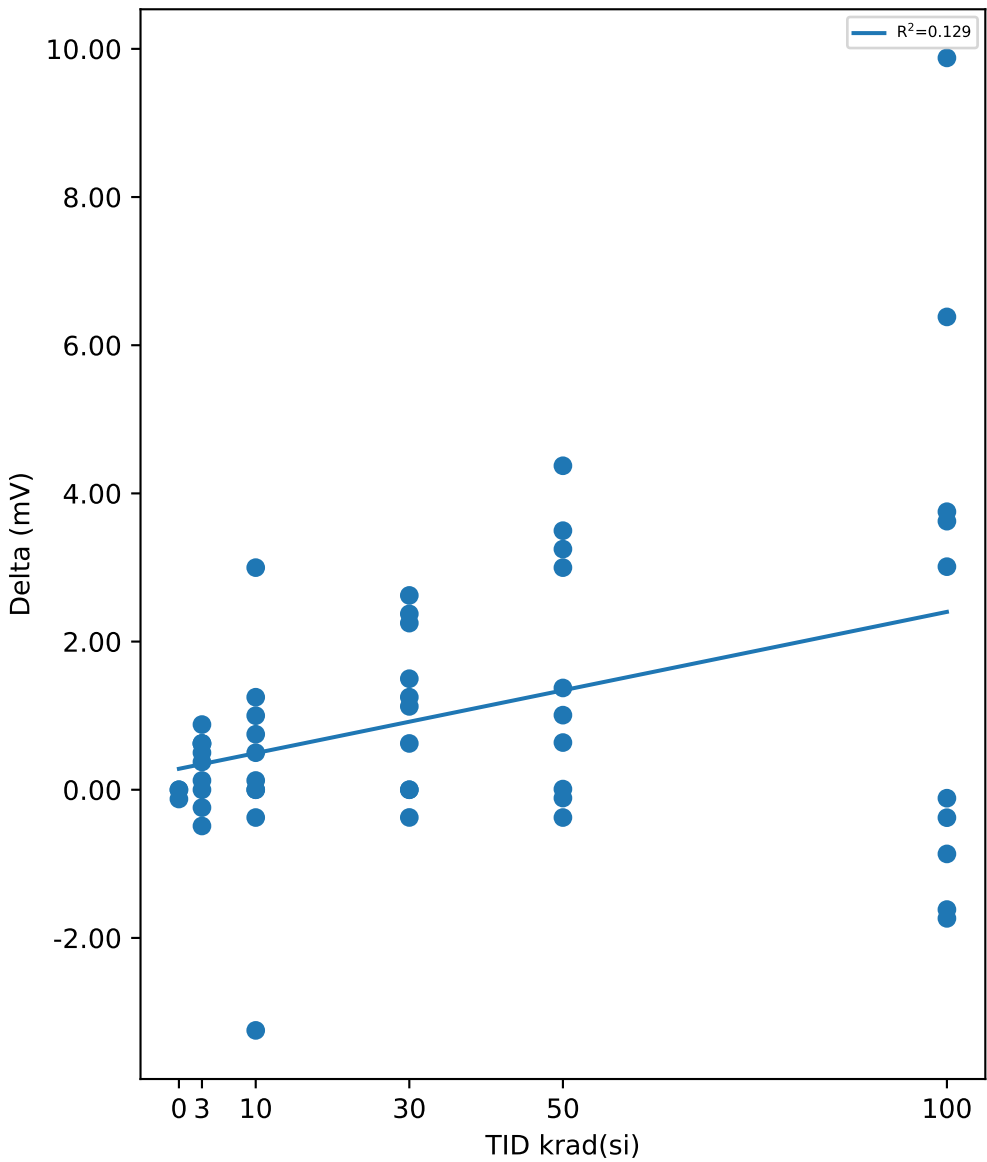
TID vs Post - Pre Exposure Delta



TID vs Result Stats



TID vs Post - Pre Exposure Delta

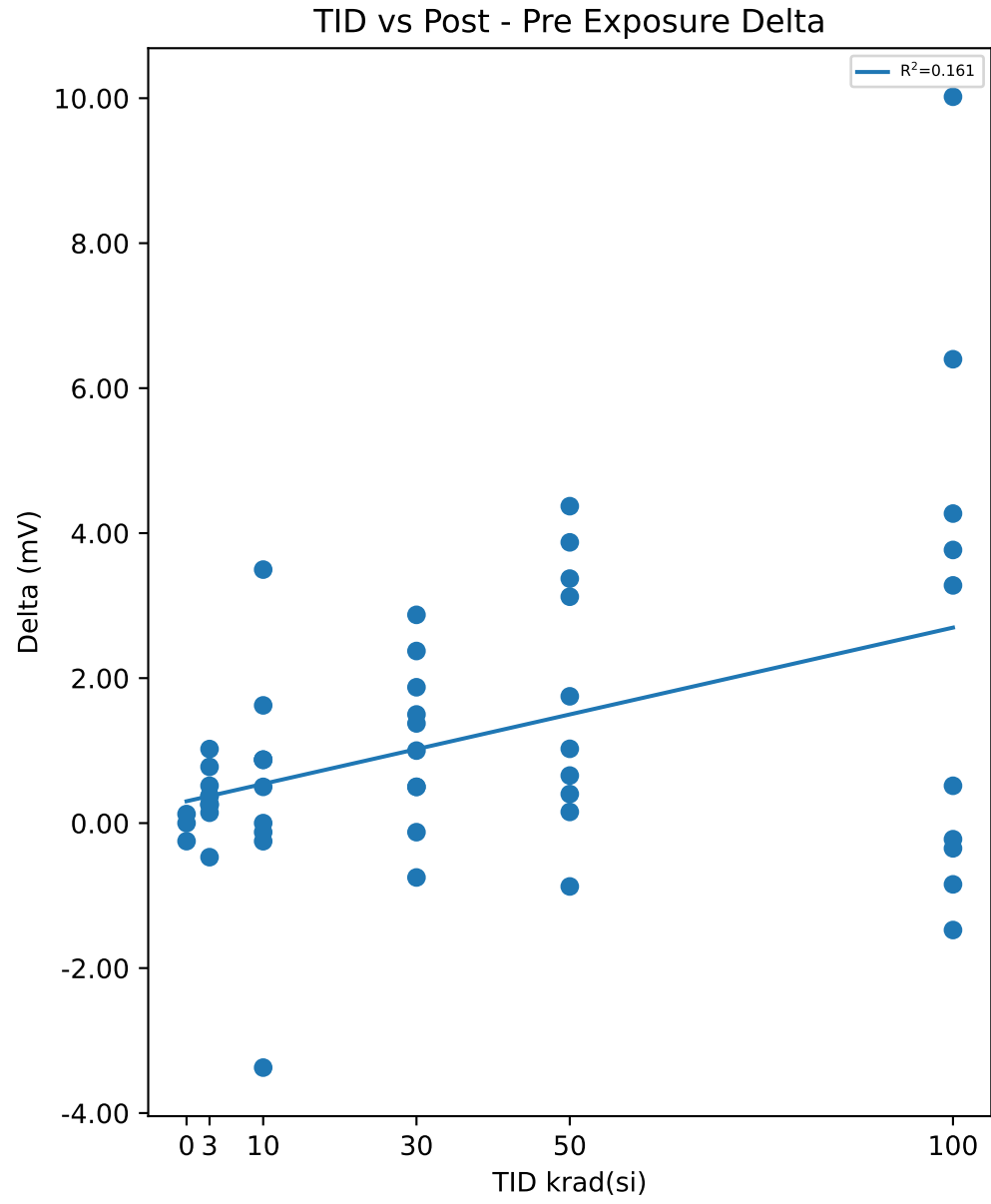
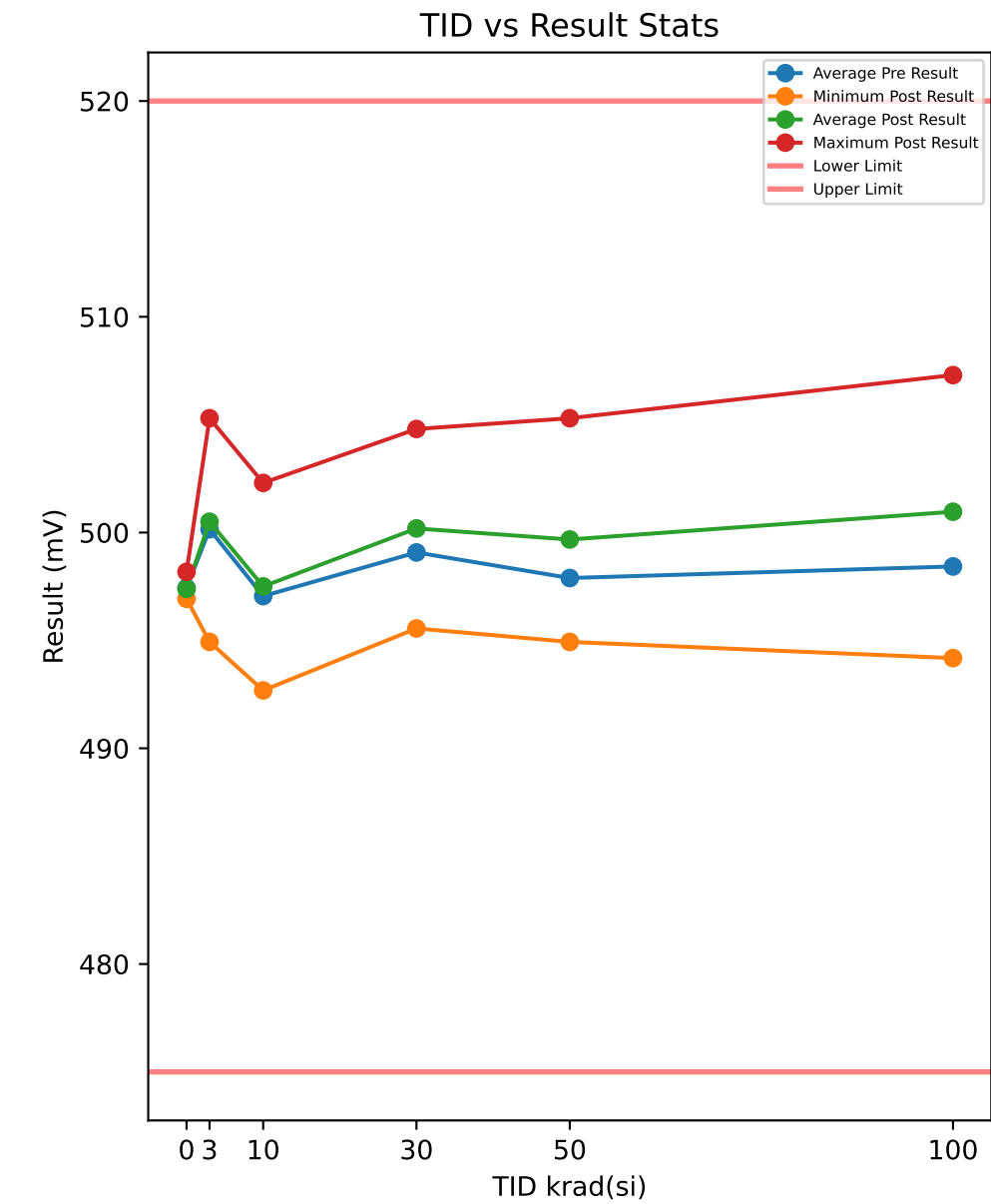


Test Results (Lower Limit = 576.0, Upper Limit = 623.0 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 599.49     | 599.49      | 0      |
| 301      | 0        | Correlation         | 598.99     | 598.87      | -0.125 |
| 302      | 0        | Correlation         | 598.49     | 598.49      | 0      |
| 303      | 3        | Bias                | 601.86     | 602.74      | 0.88   |
| 304      | 3        | Bias                | 606.49     | 607.11      | 0.623  |
| 305      | 3        | Bias                | 605.36     | 605.99      | 0.625  |
| 306      | 3        | Bias                | 597.48     | 596.99      | -0.489 |
| 307      | 3        | Bias                | 599.73     | 599.49      | -0.241 |
| 308      | 3        | Unbiased            | 605.36     | 605.49      | 0.125  |
| 309      | 3        | Unbiased            | 602.74     | 603.24      | 0.5    |
| 310      | 3        | Unbiased            | 599.99     | 600.62      | 0.624  |
| 311      | 3        | Unbiased            | 598.99     | 598.99      | 0      |
| 312      | 3        | Unbiased            | 602.24     | 602.61      | 0.375  |
| 313      | 10       | Bias                | 600.62     | 601.62      | 1      |
| 314      | 10       | Bias                | 593.62     | 594.37      | 0.749  |
| 315      | 10       | Bias                | 596.87     | 598.12      | 1.249  |
| 316      | 10       | Bias                | 604.24     | 604.24      | 0      |
| 317      | 10       | Bias                | 596.24     | 596.37      | 0.125  |
| 318      | 10       | Unbiased            | 601.62     | 601.24      | -0.375 |
| 319      | 10       | Unbiased            | 601.74     | 601.74      | 0      |
| 320      | 10       | Unbiased            | 597.49     | 600.49      | 2.998  |
| 321      | 10       | Unbiased            | 600.12     | 596.87      | -3.248 |
| 322      | 10       | Unbiased            | 596.99     | 597.49      | 0.5    |
| 323      | 30       | Bias                | 603.24     | 604.74      | 1.499  |
| 324      | 30       | Bias                | 602.61     | 603.24      | 0.625  |
| 325      | 30       | Bias                | 599.37     | 601.74      | 2.374  |
| 326      | 30       | Bias                | 596.87     | 599.49      | 2.623  |
| 327      | 30       | Bias                | 604.24     | 606.49      | 2.249  |
| 328      | 30       | Unbiased            | 597.37     | 597.37      | 0      |
| 329      | 30       | Unbiased            | 603.74     | 603.74      | 0      |
| 330      | 30       | Unbiased            | 602.24     | 601.87      | -0.374 |
| 331      | 30       | Unbiased            | 597.37     | 598.49      | 1.125  |
| 332      | 30       | Unbiased            | 600.49     | 601.74      | 1.25   |
| 333      | 50       | Bias                | 603.74     | 606.99      | 3.248  |
| 334      | 50       | Bias                | 597.37     | 601.74      | 4.373  |
| 335      | 50       | Bias                | 600.12     | 603.61      | 3.497  |
| 336      | 50       | Bias                | 598.12     | 601.12      | 2.998  |
| 337      | 50       | Bias                | 601.74     | 603.11      | 1.374  |
| 338      | 50       | Unbiased            | 602.61     | 602.24      | -0.375 |
| 339      | 50       | Unbiased            | 596.36     | 596.99      | 0.637  |
| 340      | 50       | Unbiased            | 600.23     | 601.24      | 1.007  |
| 341      | 50       | Unbiased            | 596.98     | 596.87      | -0.112 |
| 342      | 50       | Unbiased            | 599.61     | 599.62      | 0.009  |
| 343      | 100      | Bias                | 596.48     | 599.49      | 3.011  |
| 344      | 100      | Bias                | 598.48     | 604.86      | 6.382  |
| 345      | 100      | Bias                | 602.23     | 605.99      | 3.753  |
| 346      | 100      | Bias                | 603.86     | 607.49      | 3.625  |
| 347      | 100      | Bias                | 599.73     | 609.61      | 9.878  |
| 348      | 100      | Unbiased            | 607.24     | 606.86      | -0.377 |
| 349      | 100      | Unbiased            | 596.98     | 595.24      | -1.736 |
| 350      | 100      | Unbiased            | 599.86     | 598.99      | -0.866 |
| 351      | 100      | Unbiased            | 601.11     | 599.49      | -1.617 |
| 352      | 100      | Unbiased            | 598.61     | 598.49      | -0.114 |

Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 598.49           | 598.99           | 599.49           | 0.4995           | 598.49            | 598.95            | 599.49            | 0.50473           | -0.125    | -0.041667 | 0         | 0.072169  |
| 3        | 597.48           | 602.02           | 606.49           | 3.0188           | 596.99            | 602.33            | 607.11            | 3.2984            | -0.489    | 0.3022    | 0.88      | 0.43878   |
| 10       | 593.62           | 598.95           | 604.24           | 3.2148           | 594.37            | 599.25            | 604.24            | 3.0614            | -3.248    | 0.2998    | 2.998     | 1.5694    |
| 30       | 596.87           | 600.75           | 604.24           | 2.8465           | 597.37            | 601.89            | 606.49            | 2.834             | -0.374    | 1.1371    | 2.623     | 1.0672    |
| 50       | 596.36           | 599.69           | 603.74           | 2.4935           | 596.87            | 601.35            | 606.99            | 3.0385            | -0.375    | 1.6656    | 4.373     | 1.7194    |
| 100      | 596.48           | 600.46           | 607.24           | 3.2876           | 595.24            | 602.65            | 609.61            | 4.8428            | -1.736    | 2.1939    | 9.878     | 3.8442    |

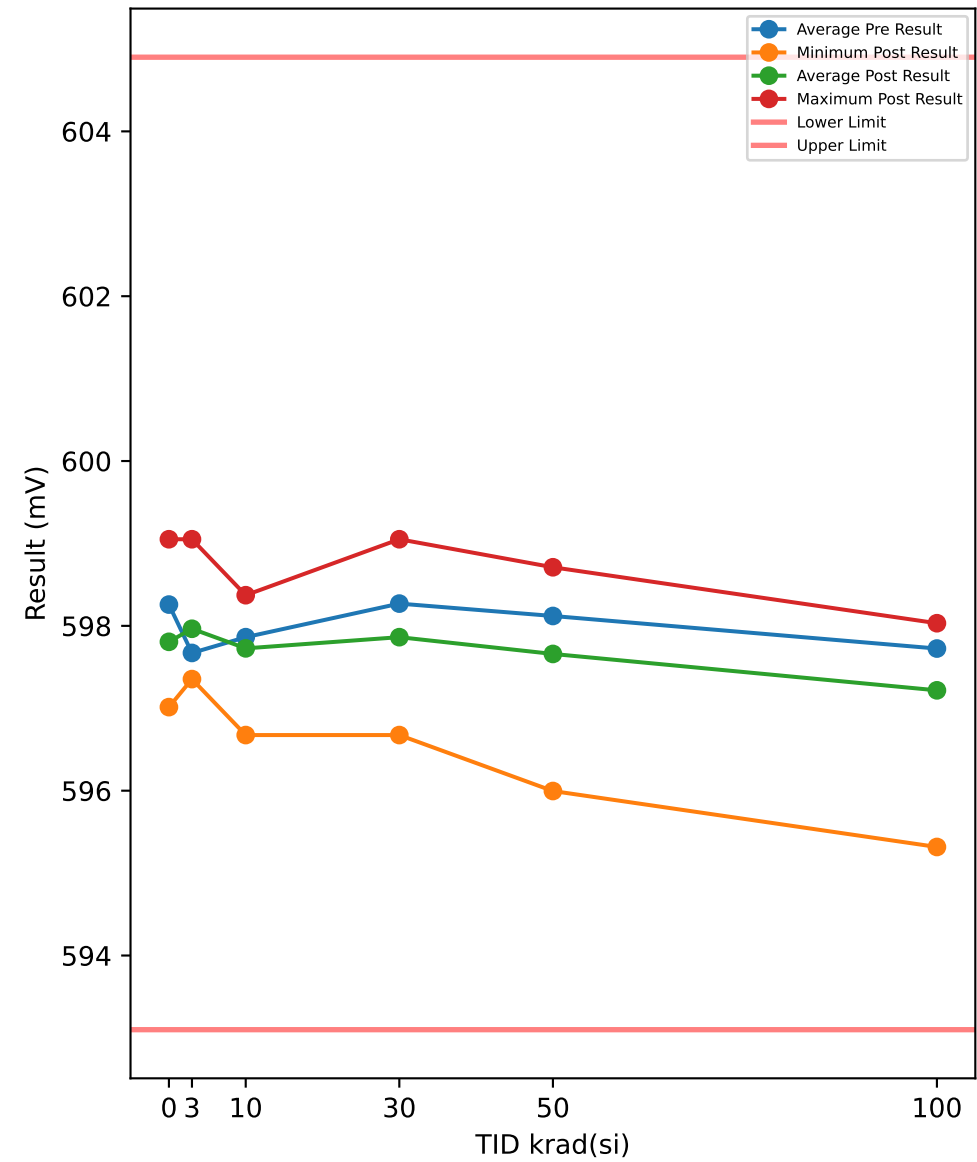


| Test Results (Lower Limit = 475.0, Upper Limit = 520.0 (mV)) |          |                     |            |             |        |
|--------------------------------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                                     | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                                          | 0        | Correlation         | 498.18     | 498.18      | 0      |
| 301                                                          | 0        | Correlation         | 497.3      | 497.05      | -0.249 |
| 302                                                          | 0        | Correlation         | 496.8      | 496.93      | 0.125  |
| 303                                                          | 3        | Bias                | 500.03     | 501.05      | 1.022  |
| 304                                                          | 3        | Bias                | 504.78     | 505.3       | 0.516  |
| 305                                                          | 3        | Bias                | 504.03     | 504.3       | 0.267  |
| 306                                                          | 3        | Bias                | 495.4      | 494.93      | -0.47  |
| 307                                                          | 3        | Bias                | 497.15     | 497.93      | 0.776  |
| 308                                                          | 3        | Unbiased            | 503.53     | 503.68      | 0.143  |
| 309                                                          | 3        | Unbiased            | 500.93     | 501.3       | 0.375  |
| 310                                                          | 3        | Unbiased            | 498.43     | 498.68      | 0.25   |
| 311                                                          | 3        | Unbiased            | 496.8      | 497.05      | 0.25   |
| 312                                                          | 3        | Unbiased            | 500.43     | 500.8       | 0.374  |
| 313                                                          | 10       | Bias                | 498.8      | 499.68      | 0.874  |
| 314                                                          | 10       | Bias                | 491.81     | 492.68      | 0.874  |
| 315                                                          | 10       | Bias                | 494.93     | 496.55      | 1.624  |
| 316                                                          | 10       | Bias                | 502.55     | 502.3       | -0.25  |
| 317                                                          | 10       | Bias                | 494.43     | 494.43      | 0      |
| 318                                                          | 10       | Unbiased            | 499.43     | 499.3       | -0.125 |
| 319                                                          | 10       | Unbiased            | 499.68     | 500.18      | 0.5    |
| 320                                                          | 10       | Unbiased            | 495.43     | 498.93      | 3.497  |
| 321                                                          | 10       | Unbiased            | 498.8      | 495.43      | -3.373 |
| 322                                                          | 10       | Unbiased            | 494.68     | 495.56      | 0.875  |
| 323                                                          | 30       | Bias                | 501.43     | 502.93      | 1.499  |
| 324                                                          | 30       | Bias                | 500.8      | 501.3       | 0.5    |
| 325                                                          | 30       | Bias                | 498.18     | 500.05      | 1.874  |
| 326                                                          | 30       | Bias                | 494.68     | 497.55      | 2.873  |
| 327                                                          | 30       | Bias                | 502.43     | 504.8       | 2.374  |
| 328                                                          | 30       | Unbiased            | 495.06     | 495.56      | 0.5    |
| 329                                                          | 30       | Unbiased            | 502.55     | 502.43      | -0.125 |
| 330                                                          | 30       | Unbiased            | 500.43     | 499.68      | -0.75  |
| 331                                                          | 30       | Unbiased            | 495.8      | 497.18      | 1.375  |
| 332                                                          | 30       | Unbiased            | 499.43     | 500.43      | 1      |
| 333                                                          | 50       | Bias                | 501.93     | 505.3       | 3.373  |
| 334                                                          | 50       | Bias                | 495.93     | 499.8       | 3.873  |
| 335                                                          | 50       | Bias                | 498.43     | 502.8       | 4.372  |
| 336                                                          | 50       | Bias                | 496.18     | 499.3       | 3.123  |
| 337                                                          | 50       | Bias                | 499.93     | 501.68      | 1.749  |
| 338                                                          | 50       | Unbiased            | 501.05     | 500.18      | -0.874 |
| 339                                                          | 50       | Unbiased            | 494.27     | 494.93      | 0.656  |
| 340                                                          | 50       | Unbiased            | 498.28     | 499.3       | 1.025  |
| 341                                                          | 50       | Unbiased            | 495.52     | 495.68      | 0.154  |
| 342                                                          | 50       | Unbiased            | 497.4      | 497.8       | 0.401  |
| 343                                                          | 100      | Bias                | 494.27     | 497.55      | 3.279  |
| 344                                                          | 100      | Bias                | 497.03     | 503.43      | 6.399  |
| 345                                                          | 100      | Bias                | 500.03     | 504.3       | 4.27   |
| 346                                                          | 100      | Bias                | 502.03     | 505.8       | 3.768  |
| 347                                                          | 100      | Bias                | 497.28     | 507.3       | 10.02  |
| 348                                                          | 100      | Unbiased            | 505.16     | 505.67      | 0.515  |
| 349                                                          | 100      | Unbiased            | 495.02     | 494.18      | -0.845 |
| 350                                                          | 100      | Unbiased            | 497.28     | 496.93      | -0.348 |
| 351                                                          | 100      | Unbiased            | 499.4      | 497.93      | -1.475 |
| 352                                                          | 100      | Unbiased            | 496.78     | 496.55      | -0.222 |

Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 496.8            | 497.43           | 498.18           | 0.69552          | 496.93            | 497.39            | 498.18            | 0.68787           | -0.249    | -0.041333 | 0.125     | 0.1904    |
| 3        | 495.4            | 500.15           | 504.78           | 3.2383           | 494.93            | 500.5             | 505.3             | 3.3568            | -0.47     | 0.3503    | 1.022     | 0.39496   |
| 10       | 491.81           | 497.05           | 502.55           | 3.2666           | 492.68            | 497.5             | 502.3             | 3.0155            | -3.373    | 0.4496    | 3.497     | 1.727     |
| 30       | 494.68           | 499.08           | 502.55           | 2.9951           | 495.56            | 500.19            | 504.8             | 2.844             | -0.75     | 1.112     | 2.873     | 1.1181    |
| 50       | 494.27           | 497.89           | 501.93           | 2.5066           | 494.93            | 499.68            | 505.3             | 3.1257            | -0.874    | 1.7852    | 4.372     | 1.7908    |
| 100      | 494.27           | 498.43           | 505.16           | 3.2992           | 494.18            | 500.96            | 507.3             | 4.7776            | -1.475    | 2.5361    | 10.02     | 3.7049    |

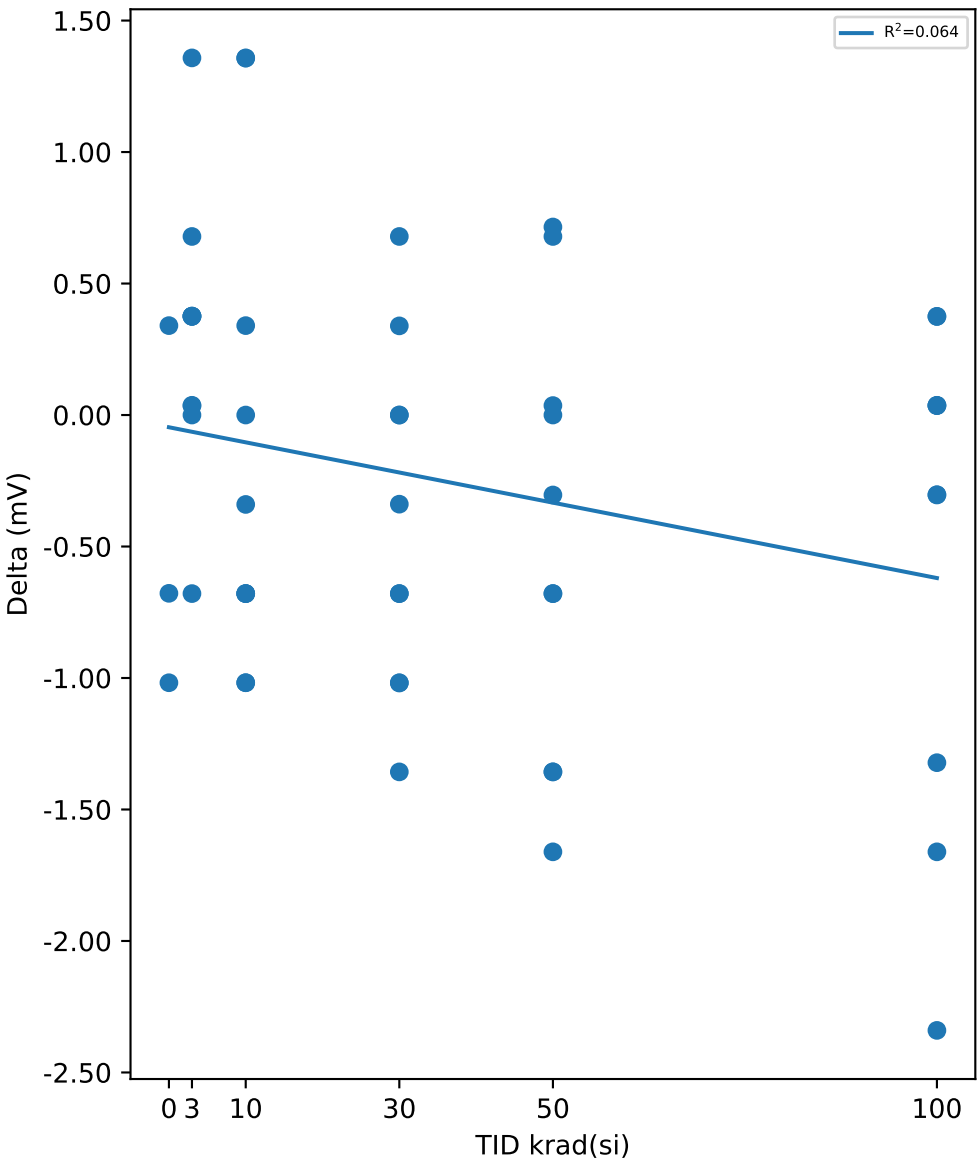
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 598.71     | 599.05      | 0.34   |
| 301      | 0        | Correlation         | 598.03     | 597.35      | -0.678 |
| 302      | 0        | Correlation         | 598.03     | 597.01      | -1.018 |
| 303      | 3        | Bias                | 596.98     | 597.35      | 0.376  |
| 304      | 3        | Bias                | 597.32     | 597.35      | 0.037  |
| 305      | 3        | Bias                | 598.34     | 598.71      | 0.375  |
| 306      | 3        | Bias                | 598        | 598.37      | 0.376  |
| 307      | 3        | Bias                | 598.68     | 598.71      | 0.035  |
| 308      | 3        | Unbiased            | 597.32     | 597.69      | 0.376  |
| 309      | 3        | Unbiased            | 598.37     | 599.05      | 0.679  |
| 310      | 3        | Unbiased            | 597.35     | 597.35      | 0      |
| 311      | 3        | Unbiased            | 598.37     | 597.69      | -0.679 |
| 312      | 3        | Unbiased            | 596        | 597.35      | 1.358  |
| 313      | 10       | Bias                | 597.35     | 596.67      | -0.679 |
| 314      | 10       | Bias                | 598.37     | 598.37      | 0      |
| 315      | 10       | Bias                | 598.37     | 597.35      | -1.018 |
| 316      | 10       | Bias                | 598.03     | 598.37      | 0.34   |
| 317      | 10       | Bias                | 597.35     | 596.67      | -0.679 |
| 318      | 10       | Unbiased            | 599.39     | 598.37      | -1.018 |
| 319      | 10       | Unbiased            | 596.67     | 598.03      | 1.357  |
| 320      | 10       | Unbiased            | 597.69     | 597.01      | -0.679 |
| 321      | 10       | Unbiased            | 597.01     | 598.37      | 1.358  |
| 322      | 10       | Unbiased            | 598.37     | 598.03      | -0.34  |
| 323      | 30       | Bias                | 597.35     | 597.69      | 0.339  |
| 324      | 30       | Bias                | 598.37     | 599.05      | 0.679  |
| 325      | 30       | Bias                | 599.05     | 599.05      | 0      |
| 326      | 30       | Bias                | 597.69     | 597.01      | -0.679 |
| 327      | 30       | Bias                | 598.03     | 596.67      | -1.357 |
| 328      | 30       | Unbiased            | 598.37     | 597.69      | -0.679 |
| 329      | 30       | Unbiased            | 598.03     | 597.69      | -0.339 |
| 330      | 30       | Unbiased            | 599.05     | 599.05      | 0      |
| 331      | 30       | Unbiased            | 599.05     | 598.03      | -1.019 |
| 332      | 30       | Unbiased            | 597.69     | 596.67      | -1.018 |
| 333      | 50       | Bias                | 598.03     | 598.71      | 0.679  |
| 334      | 50       | Bias                | 598.03     | 596.67      | -1.357 |
| 335      | 50       | Bias                | 597.35     | 597.35      | 0      |
| 336      | 50       | Bias                | 598.03     | 596.67      | -1.357 |
| 337      | 50       | Bias                | 599.05     | 598.37      | -0.679 |
| 338      | 50       | Unbiased            | 598.37     | 597.69      | -0.679 |
| 339      | 50       | Unbiased            | 597.66     | 598.37      | 0.715  |
| 340      | 50       | Unbiased            | 598.68     | 598.37      | -0.304 |
| 341      | 50       | Unbiased            | 597.66     | 596         | -1.661 |
| 342      | 50       | Unbiased            | 598.34     | 598.37      | 0.036  |
| 343      | 100      | Bias                | 598.34     | 598.03      | -0.304 |
| 344      | 100      | Bias                | 598        | 598.03      | 0.036  |
| 345      | 100      | Bias                | 597.32     | 597.35      | 0.037  |
| 346      | 100      | Bias                | 596.98     | 596.67      | -0.303 |
| 347      | 100      | Bias                | 597.66     | 598.03      | 0.375  |
| 348      | 100      | Unbiased            | 597.66     | 595.32      | -2.34  |
| 349      | 100      | Unbiased            | 596.98     | 597.01      | 0.036  |
| 350      | 100      | Unbiased            | 599.01     | 597.69      | -1.322 |
| 351      | 100      | Unbiased            | 597.66     | 596         | -1.661 |
| 352      | 100      | Unbiased            | 597.66     | 598.03      | 0.375  |

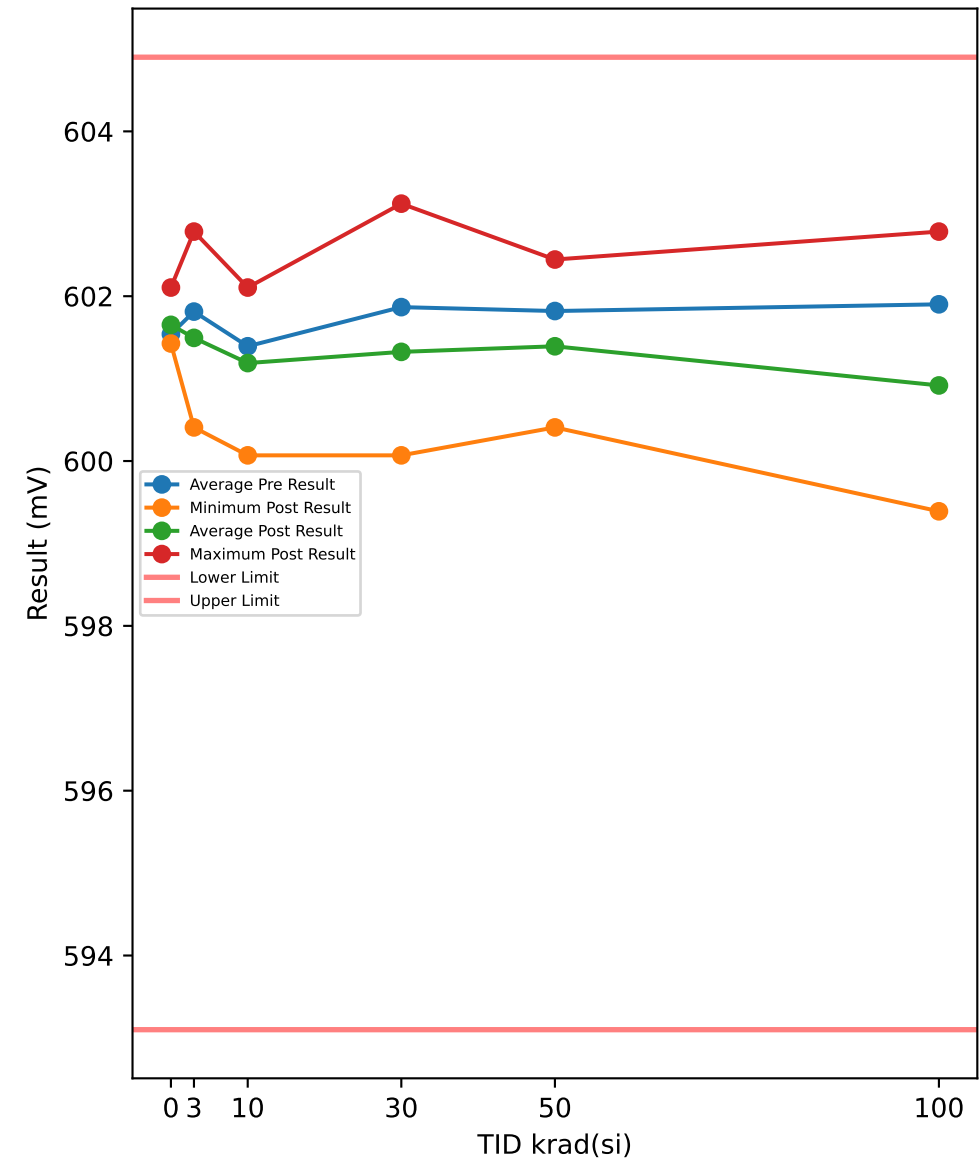
TID vs Post - Pre Exposure Delta



Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 598.03           | 598.26           | 598.71           | 0.39202          | 597.01            | 597.81            | 599.05            | 1.0912            | -1.018    | -0.452    | 0.34      | 0.70665   |
| 3        | 596              | 597.67           | 598.68           | 0.8285           | 597.35            | 597.96            | 599.05            | 0.67489           | -0.679    | 0.2933    | 1.358     | 0.52423   |
| 10       | 596.67           | 597.86           | 599.39           | 0.80393          | 596.67            | 597.73            | 598.37            | 0.7235            | -1.018    | -0.1358   | 1.358     | 0.89369   |
| 30       | 597.35           | 598.27           | 599.05           | 0.62083          | 596.67            | 597.86            | 599.05            | 0.93647           | -1.357    | -0.4073   | 0.679     | 0.65576   |
| 50       | 597.35           | 598.12           | 599.05           | 0.50824          | 596               | 597.66            | 598.71            | 0.93906           | -1.661    | -0.4607   | 0.715     | 0.83715   |
| 100      | 596.98           | 597.72           | 599.01           | 0.61571          | 595.32            | 597.22            | 598.03            | 0.96252           | -2.34     | -0.5071   | 0.375     | 0.93572   |

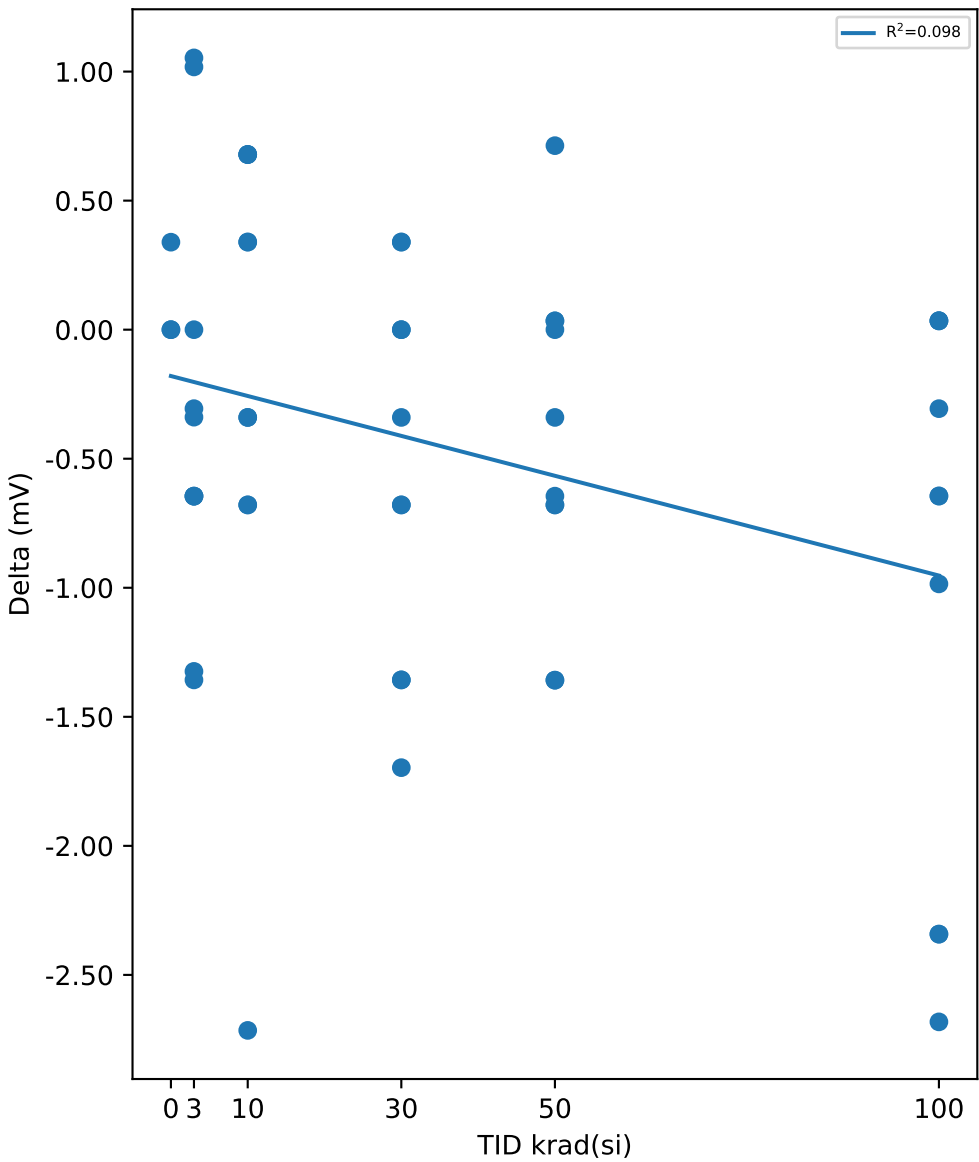
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 601.09     | 601.43      | 0.339  |
| 301      | 0        | Correlation         | 602.11     | 602.11      | 0      |
| 302      | 0        | Correlation         | 601.43     | 601.43      | 0      |
| 303      | 3        | Bias                | 601.73     | 600.41      | -1.324 |
| 304      | 3        | Bias                | 602.41     | 601.77      | -0.645 |
| 305      | 3        | Bias                | 601.73     | 601.43      | -0.306 |
| 306      | 3        | Bias                | 601.39     | 602.45      | 1.053  |
| 307      | 3        | Bias                | 602.41     | 601.77      | -0.645 |
| 308      | 3        | Unbiased            | 601.73     | 601.09      | -0.645 |
| 309      | 3        | Unbiased            | 602.11     | 600.75      | -1.357 |
| 310      | 3        | Unbiased            | 600.41     | 601.43      | 1.018  |
| 311      | 3        | Unbiased            | 602.78     | 602.78      | 0      |
| 312      | 3        | Unbiased            | 601.43     | 601.09      | -0.339 |
| 313      | 10       | Bias                | 600.75     | 600.41      | -0.34  |
| 314      | 10       | Bias                | 601.77     | 601.43      | -0.34  |
| 315      | 10       | Bias                | 601.09     | 601.43      | 0.339  |
| 316      | 10       | Bias                | 601.43     | 602.11      | 0.679  |
| 317      | 10       | Bias                | 600.07     | 600.75      | 0.679  |
| 318      | 10       | Unbiased            | 602.11     | 601.43      | -0.679 |
| 319      | 10       | Unbiased            | 601.77     | 601.09      | -0.679 |
| 320      | 10       | Unbiased            | 602.78     | 600.07      | -2.715 |
| 321      | 10       | Unbiased            | 601.43     | 601.77      | 0.34   |
| 322      | 10       | Unbiased            | 600.75     | 601.43      | 0.678  |
| 323      | 30       | Bias                | 601.43     | 600.07      | -1.357 |
| 324      | 30       | Bias                | 602.78     | 603.12      | 0.339  |
| 325      | 30       | Bias                | 603.8      | 602.45      | -1.357 |
| 326      | 30       | Bias                | 600.41     | 600.75      | 0.34   |
| 327      | 30       | Bias                | 601.77     | 601.09      | -0.679 |
| 328      | 30       | Unbiased            | 602.11     | 602.11      | 0      |
| 329      | 30       | Unbiased            | 601.09     | 600.41      | -0.679 |
| 330      | 30       | Unbiased            | 603.12     | 601.43      | -1.697 |
| 331      | 30       | Unbiased            | 601.43     | 601.43      | 0      |
| 332      | 30       | Unbiased            | 600.75     | 600.41      | -0.34  |
| 333      | 50       | Bias                | 601.43     | 601.43      | 0      |
| 334      | 50       | Bias                | 601.77     | 600.41      | -1.358 |
| 335      | 50       | Bias                | 601.77     | 601.43      | -0.34  |
| 336      | 50       | Bias                | 601.09     | 600.41      | -0.679 |
| 337      | 50       | Bias                | 602.78     | 601.43      | -1.358 |
| 338      | 50       | Unbiased            | 602.11     | 601.43      | -0.679 |
| 339      | 50       | Unbiased            | 601.39     | 601.43      | 0.034  |
| 340      | 50       | Unbiased            | 601.73     | 602.45      | 0.713  |
| 341      | 50       | Unbiased            | 601.73     | 601.09      | -0.645 |
| 342      | 50       | Unbiased            | 602.41     | 602.45      | 0.034  |
| 343      | 100      | Bias                | 602.41     | 601.43      | -0.985 |
| 344      | 100      | Bias                | 603.09     | 600.41      | -2.682 |
| 345      | 100      | Bias                | 601.73     | 601.43      | -0.306 |
| 346      | 100      | Bias                | 601.05     | 601.09      | 0.034  |
| 347      | 100      | Bias                | 602.75     | 602.78      | 0.034  |
| 348      | 100      | Unbiased            | 600.37     | 600.41      | 0.035  |
| 349      | 100      | Unbiased            | 602.41     | 600.07      | -2.342 |
| 350      | 100      | Unbiased            | 602.75     | 600.41      | -2.342 |
| 351      | 100      | Unbiased            | 600.03     | 599.39      | -0.644 |
| 352      | 100      | Unbiased            | 602.41     | 601.77      | -0.645 |

TID vs Post - Pre Exposure Delta

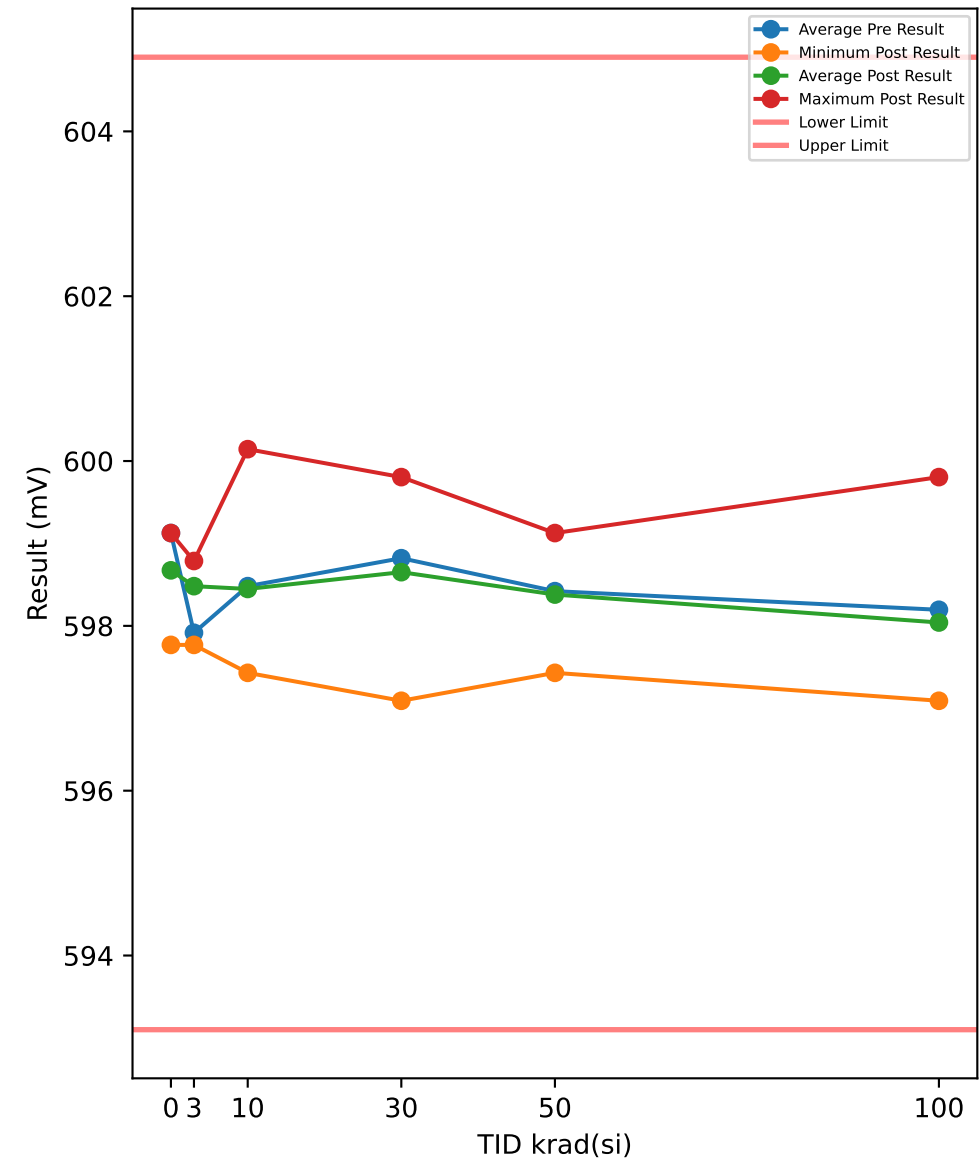


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 601.09           | 601.54           | 602.11           | 0.51838          | 601.43            | 601.65            | 602.11            | 0.39202           | 0         | 0.113     | 0.339     | 0.19572   |
| 3        | 600.41           | 601.81           | 602.78           | 0.67198          | 600.41            | 601.49            | 602.78            | 0.72976           | -1.357    | -0.319    | 1.053     | 0.82856   |
| 10       | 600.07           | 601.39           | 602.78           | 0.77466          | 600.07            | 601.19            | 602.11            | 0.62056           | -2.715    | -0.2038   | 0.679     | 1.0393    |
| 30       | 600.41           | 601.87           | 603.8            | 1.0856           | 600.07            | 601.32            | 603.12            | 0.98685           | -1.697    | -0.543    | 0.34      | 0.73654   |
| 50       | 601.09           | 601.82           | 602.78           | 0.50076          | 600.41            | 601.39            | 602.45            | 0.68742           | -1.358    | -0.4278   | 0.713     | 0.65171   |
| 100      | 600.03           | 601.9            | 603.09           | 1.0648           | 599.39            | 600.92            | 602.78            | 0.97648           | -2.682    | -0.9843   | 0.035     | 1.0736    |



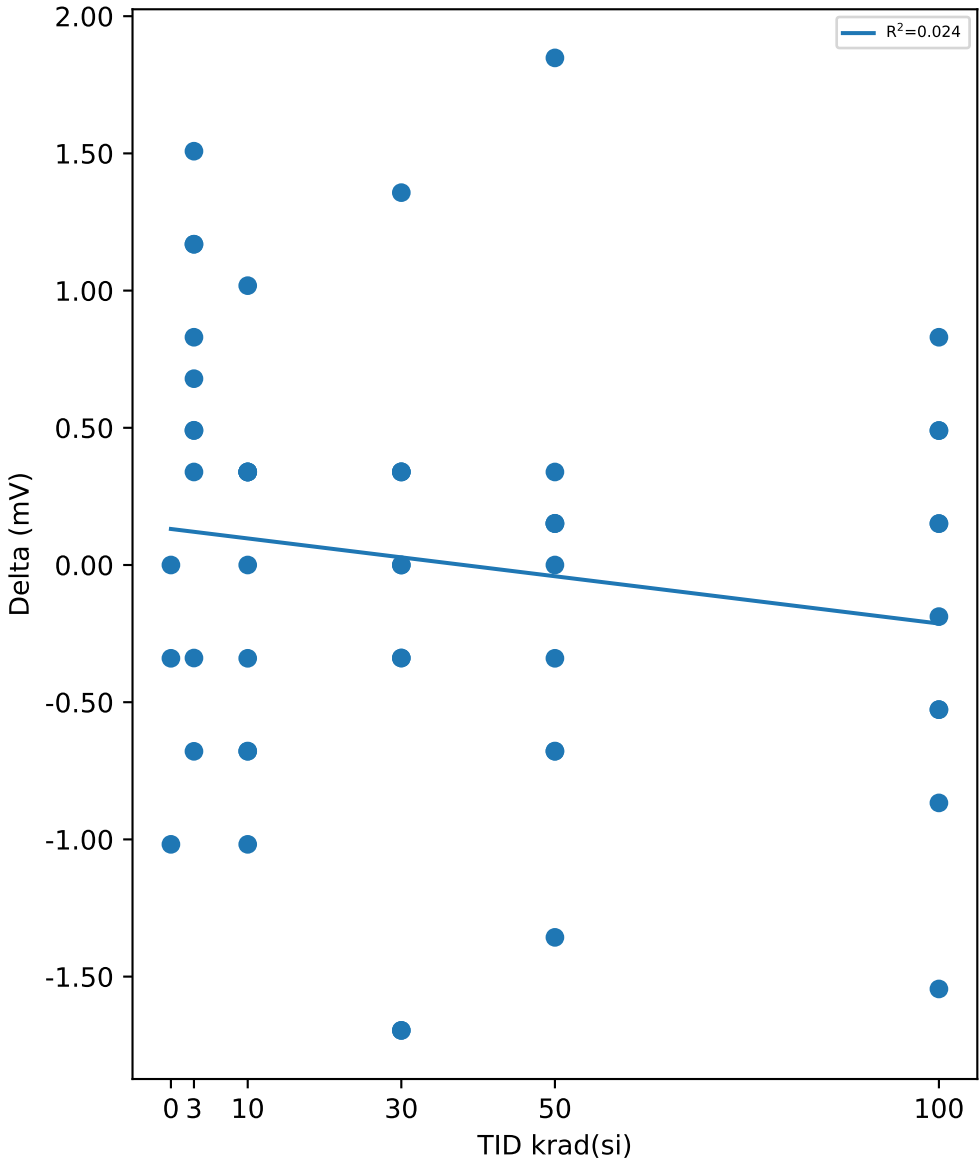
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 599.47     | 599.13      | -0.34  |
| 301      | 0        | Correlation         | 598.79     | 597.77      | -1.018 |
| 302      | 0        | Correlation         | 599.13     | 599.13      | 0      |
| 303      | 3        | Bias                | 597.96     | 598.79      | 0.83   |
| 304      | 3        | Bias                | 597.62     | 598.79      | 1.169  |
| 305      | 3        | Bias                | 597.28     | 598.79      | 1.508  |
| 306      | 3        | Bias                | 597.62     | 598.79      | 1.169  |
| 307      | 3        | Bias                | 597.96     | 598.45      | 0.491  |
| 308      | 3        | Unbiased            | 598.3      | 598.79      | 0.49   |
| 309      | 3        | Unbiased            | 597.77     | 598.45      | 0.679  |
| 310      | 3        | Unbiased            | 597.43     | 597.77      | 0.339  |
| 311      | 3        | Unbiased            | 598.79     | 598.45      | -0.339 |
| 312      | 3        | Unbiased            | 598.45     | 597.77      | -0.679 |
| 313      | 10       | Bias                | 598.11     | 597.77      | -0.34  |
| 314      | 10       | Bias                | 598.11     | 597.43      | -0.679 |
| 315      | 10       | Bias                | 598.11     | 598.45      | 0.339  |
| 316      | 10       | Bias                | 599.47     | 599.8       | 0.339  |
| 317      | 10       | Bias                | 597.77     | 597.77      | 0      |
| 318      | 10       | Unbiased            | 599.8      | 600.14      | 0.339  |
| 319      | 10       | Unbiased            | 598.79     | 597.77      | -1.018 |
| 320      | 10       | Unbiased            | 598.11     | 598.45      | 0.339  |
| 321      | 10       | Unbiased            | 597.77     | 598.79      | 1.018  |
| 322      | 10       | Unbiased            | 598.79     | 598.11      | -0.678 |
| 323      | 30       | Bias                | 598.45     | 598.79      | 0.339  |
| 324      | 30       | Bias                | 599.13     | 598.79      | -0.339 |
| 325      | 30       | Bias                | 599.47     | 599.47      | 0      |
| 326      | 30       | Bias                | 599.13     | 598.79      | -0.339 |
| 327      | 30       | Bias                | 598.11     | 598.11      | 0      |
| 328      | 30       | Unbiased            | 599.47     | 599.8       | 0.339  |
| 329      | 30       | Unbiased            | 597.43     | 598.79      | 1.357  |
| 330      | 30       | Unbiased            | 600.48     | 598.79      | -1.696 |
| 331      | 30       | Unbiased            | 597.77     | 598.11      | 0.34   |
| 332      | 30       | Unbiased            | 598.79     | 597.09      | -1.696 |
| 333      | 50       | Bias                | 599.8      | 599.13      | -0.679 |
| 334      | 50       | Bias                | 597.77     | 597.77      | 0      |
| 335      | 50       | Bias                | 598.11     | 597.77      | -0.34  |
| 336      | 50       | Bias                | 598.79     | 599.13      | 0.339  |
| 337      | 50       | Bias                | 598.79     | 597.43      | -1.357 |
| 338      | 50       | Unbiased            | 599.13     | 598.45      | -0.678 |
| 339      | 50       | Unbiased            | 598.64     | 598.79      | 0.151  |
| 340      | 50       | Unbiased            | 596.26     | 598.11      | 1.848  |
| 341      | 50       | Unbiased            | 597.96     | 598.11      | 0.152  |
| 342      | 50       | Unbiased            | 598.98     | 599.13      | 0.151  |
| 343      | 100      | Bias                | 598.64     | 598.79      | 0.151  |
| 344      | 100      | Bias                | 597.96     | 597.43      | -0.527 |
| 345      | 100      | Bias                | 597.28     | 597.43      | 0.151  |
| 346      | 100      | Bias                | 597.96     | 597.43      | -0.527 |
| 347      | 100      | Bias                | 599.32     | 599.8       | 0.49   |
| 348      | 100      | Unbiased            | 597.28     | 598.11      | 0.83   |
| 349      | 100      | Unbiased            | 597.28     | 597.09      | -0.188 |
| 350      | 100      | Unbiased            | 599.32     | 598.45      | -0.867 |
| 351      | 100      | Unbiased            | 597.28     | 597.77      | 0.49   |
| 352      | 100      | Unbiased            | 599.65     | 598.11      | -1.545 |

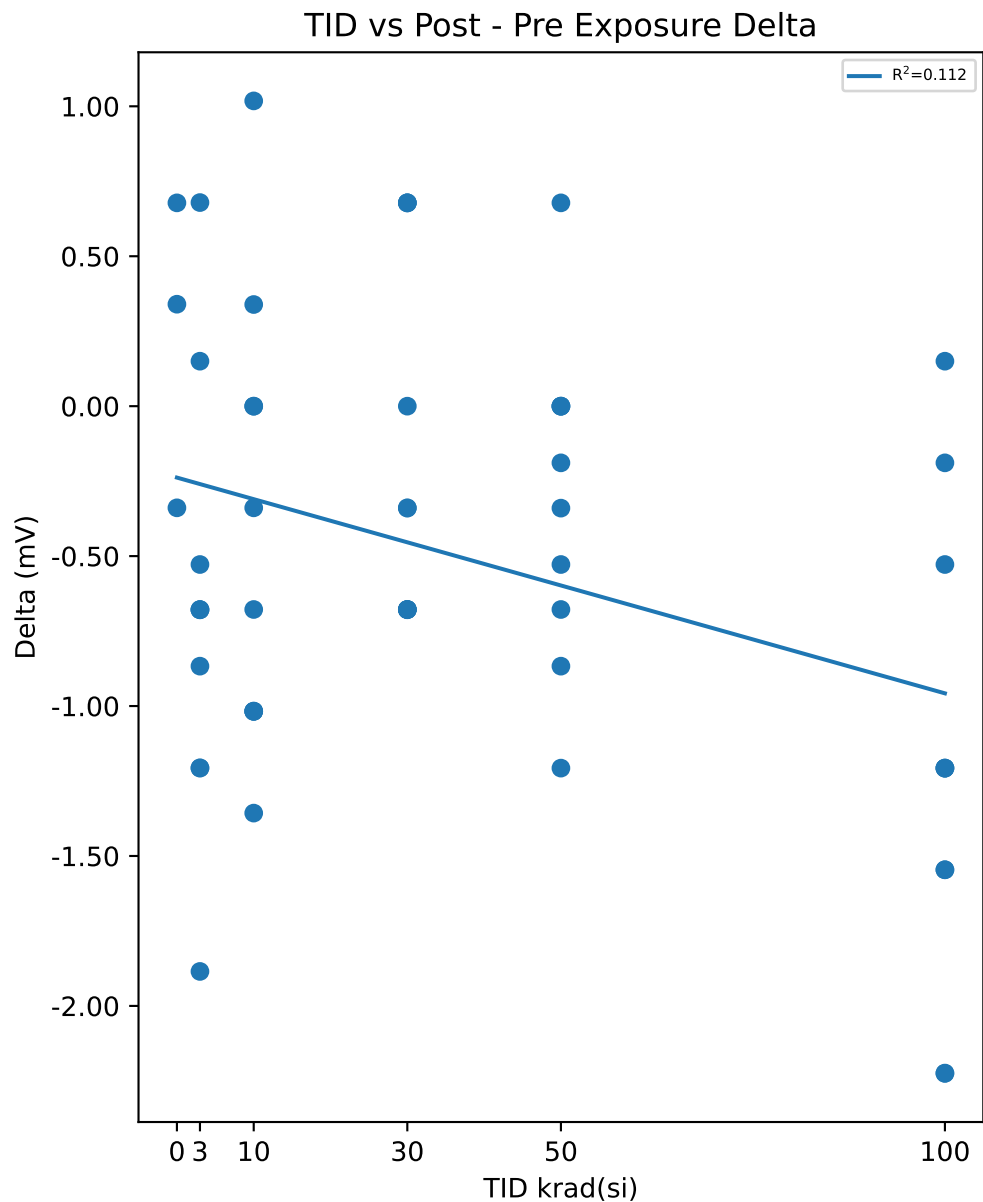
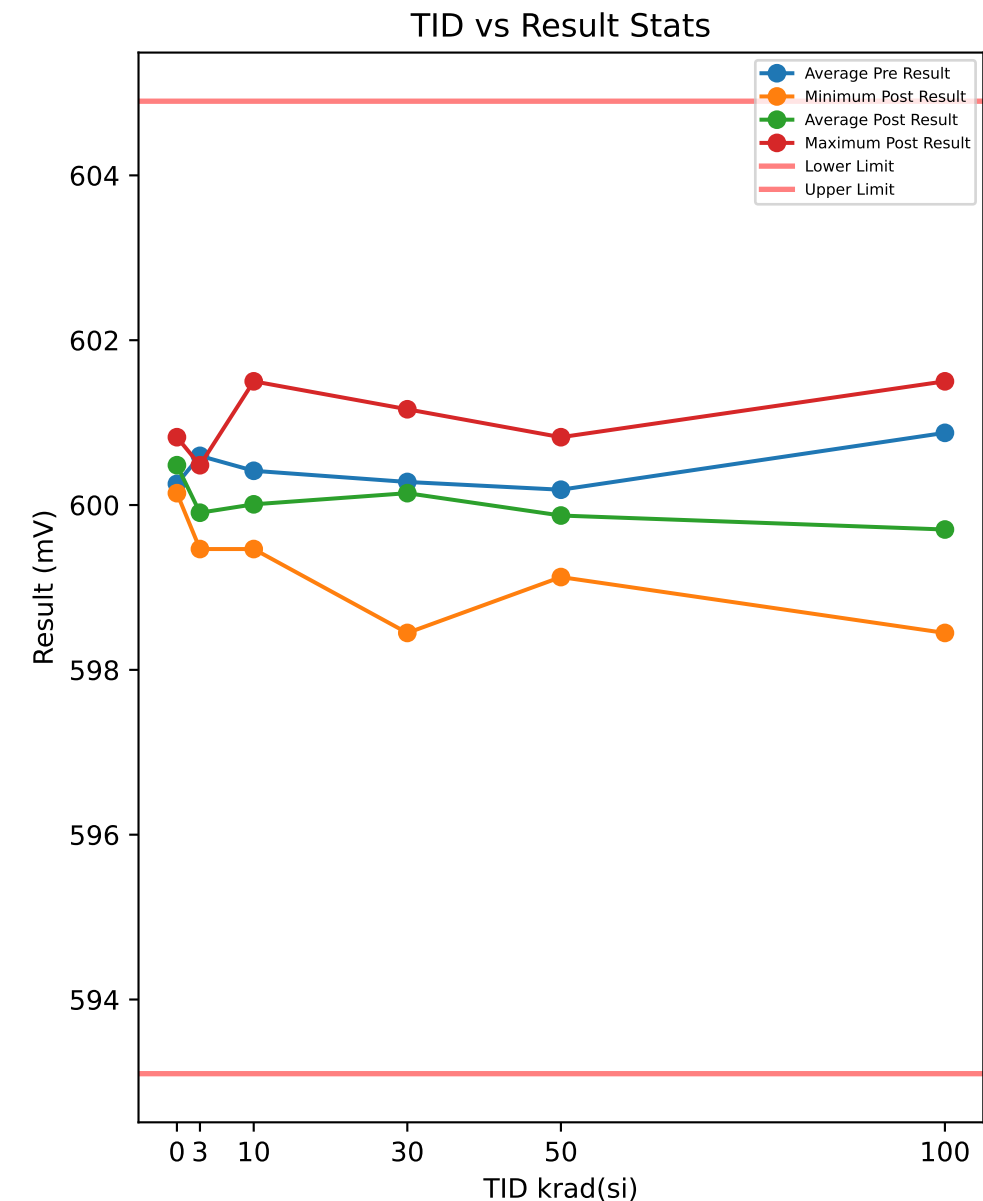
TID vs Post - Pre Exposure Delta



Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 598.79           | 599.13           | 599.47           | 0.3395           | 597.77            | 598.67            | 599.13            | 0.78346           | -1.018    | -0.45267  | 0         | 0.51827   |
| 3        | 597.28           | 597.92           | 598.79           | 0.47509          | 597.77            | 598.48            | 598.79            | 0.40625           | -0.679    | 0.5657    | 1.508     | 0.67733   |
| 10       | 597.77           | 598.48           | 599.8            | 0.70537          | 597.43            | 598.45            | 600.14            | 0.90475           | -1.018    | -0.0341   | 1.018     | 0.62867   |
| 30       | 597.43           | 598.82           | 600.48           | 0.91099          | 597.09            | 598.65            | 599.8             | 0.75348           | -1.696    | -0.1695   | 1.357     | 0.93585   |
| 50       | 596.26           | 598.42           | 599.8            | 0.96821          | 597.43            | 598.38            | 599.13            | 0.6356            | -1.357    | -0.0413   | 1.848     | 0.84718   |
| 100      | 597.28           | 598.19           | 599.65           | 0.96041          | 597.09            | 598.04            | 599.8             | 0.81237           | -1.545    | -0.1542   | 0.83      | 0.72314   |

## Device Test: 13.8 ; VTH\_SENSE



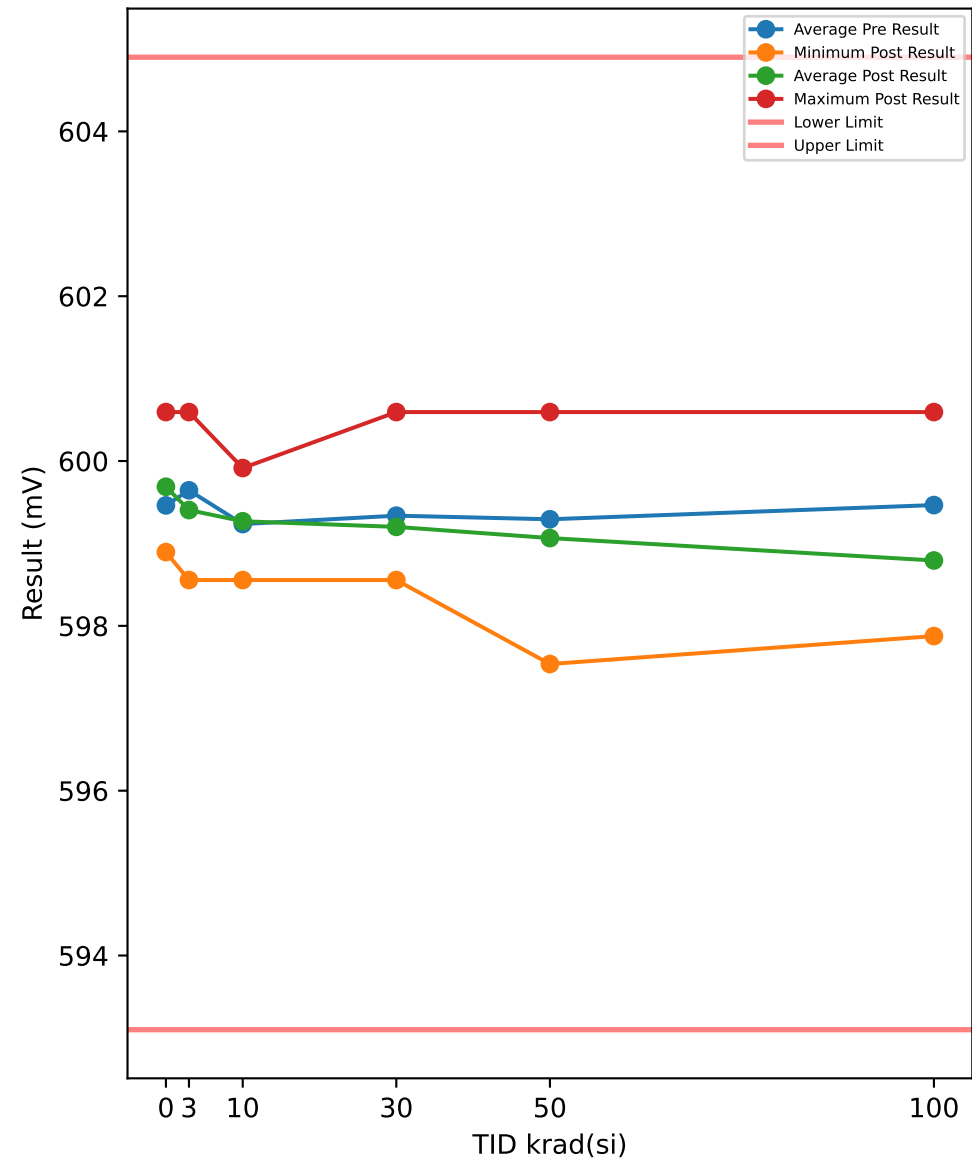
Test Results (Lower Limit = 593.1,  
Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 600.48     | 600.14      | -0.339 |
| 301      | 0        | Correlation         | 599.8      | 600.48      | 0.678  |
| 302      | 0        | Correlation         | 600.48     | 600.82      | 0.34   |
| 303      | 3        | Bias                | 600.67     | 599.8       | -0.867 |
| 304      | 3        | Bias                | 600.33     | 600.48      | 0.15   |
| 305      | 3        | Bias                | 600.67     | 600.14      | -0.528 |
| 306      | 3        | Bias                | 601.35     | 600.14      | -1.207 |
| 307      | 3        | Bias                | 601.35     | 599.47      | -1.885 |
| 308      | 3        | Unbiased            | 600.67     | 599.47      | -1.206 |
| 309      | 3        | Unbiased            | 600.14     | 599.47      | -0.678 |
| 310      | 3        | Unbiased            | 601.16     | 600.48      | -0.679 |
| 311      | 3        | Unbiased            | 600.82     | 600.14      | -0.679 |
| 312      | 3        | Unbiased            | 598.79     | 599.47      | 0.679  |
| 313      | 10       | Bias                | 600.48     | 599.47      | -1.017 |
| 314      | 10       | Bias                | 599.47     | 599.8       | 0.339  |
| 315      | 10       | Bias                | 599.13     | 600.14      | 1.018  |
| 316      | 10       | Bias                | 600.48     | 600.14      | -0.339 |
| 317      | 10       | Bias                | 599.8      | 599.8       | 0      |
| 318      | 10       | Unbiased            | 602.52     | 601.5       | -1.018 |
| 319      | 10       | Unbiased            | 601.5      | 600.14      | -1.357 |
| 320      | 10       | Unbiased            | 600.14     | 599.47      | -0.678 |
| 321      | 10       | Unbiased            | 600.14     | 600.14      | 0      |
| 322      | 10       | Unbiased            | 600.48     | 599.47      | -1.017 |
| 323      | 30       | Bias                | 599.47     | 600.14      | 0.678  |
| 324      | 30       | Bias                | 600.82     | 600.82      | 0      |
| 325      | 30       | Bias                | 601.16     | 600.48      | -0.679 |
| 326      | 30       | Bias                | 600.48     | 600.14      | -0.339 |
| 327      | 30       | Bias                | 600.14     | 599.47      | -0.678 |
| 328      | 30       | Unbiased            | 601.84     | 601.16      | -0.678 |
| 329      | 30       | Unbiased            | 599.47     | 600.14      | 0.678  |
| 330      | 30       | Unbiased            | 600.82     | 600.48      | -0.34  |
| 331      | 30       | Unbiased            | 599.47     | 600.14      | 0.678  |
| 332      | 30       | Unbiased            | 599.13     | 598.45      | -0.678 |
| 333      | 50       | Bias                | 601.5      | 600.82      | -0.678 |
| 334      | 50       | Bias                | 599.13     | 599.13      | 0      |
| 335      | 50       | Bias                | 599.47     | 599.13      | -0.34  |
| 336      | 50       | Bias                | 600.14     | 600.14      | 0      |
| 337      | 50       | Bias                | 599.47     | 600.14      | 0.678  |
| 338      | 50       | Unbiased            | 600.14     | 600.14      | 0      |
| 339      | 50       | Unbiased            | 599.99     | 599.8       | -0.189 |
| 340      | 50       | Unbiased            | 599.99     | 599.47      | -0.528 |
| 341      | 50       | Unbiased            | 600.33     | 599.13      | -1.207 |
| 342      | 50       | Unbiased            | 601.69     | 600.82      | -0.867 |
| 343      | 100      | Bias                | 601.35     | 600.14      | -1.207 |
| 344      | 100      | Bias                | 600.33     | 600.14      | -0.189 |
| 345      | 100      | Bias                | 600.67     | 598.45      | -2.224 |
| 346      | 100      | Bias                | 601.35     | 599.13      | -2.225 |
| 347      | 100      | Bias                | 601.69     | 601.16      | -0.528 |
| 348      | 100      | Unbiased            | 599.99     | 598.79      | -1.207 |
| 349      | 100      | Unbiased            | 599.99     | 598.79      | -1.207 |
| 350      | 100      | Unbiased            | 601.35     | 599.8       | -1.546 |
| 351      | 100      | Unbiased            | 600.67     | 599.13      | -1.546 |
| 352      | 100      | Unbiased            | 601.35     | 601.5       | 0.15   |

Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 599.8            | 600.26           | 600.48           | 0.39144          | 600.14            | 600.48            | 600.82            | 0.3395            | -0.339    | 0.22633   | 0.678     | 0.51794   |
| 3        | 598.79           | 600.6            | 601.35           | 0.75094          | 599.47            | 599.91            | 600.48            | 0.42431           | -1.885    | -0.69     | 0.679     | 0.71487   |
| 10       | 599.13           | 600.42           | 602.52           | 0.98326          | 599.47            | 600.01            | 601.5             | 0.60247           | -1.357    | -0.4069   | 1.018     | 0.74659   |
| 30       | 599.13           | 600.28           | 601.84           | 0.89321          | 598.45            | 600.14            | 601.16            | 0.75006           | -0.679    | -0.1358   | 0.678     | 0.60233   |
| 50       | 599.13           | 600.19           | 601.69           | 0.83337          | 599.13            | 599.87            | 600.82            | 0.65571           | -1.207    | -0.3131   | 0.678     | 0.53517   |
| 100      | 599.99           | 600.88           | 601.69           | 0.62352          | 598.45            | 599.7             | 601.5             | 1.0371            | -2.225    | -1.1729   | 0.15      | 0.79075   |

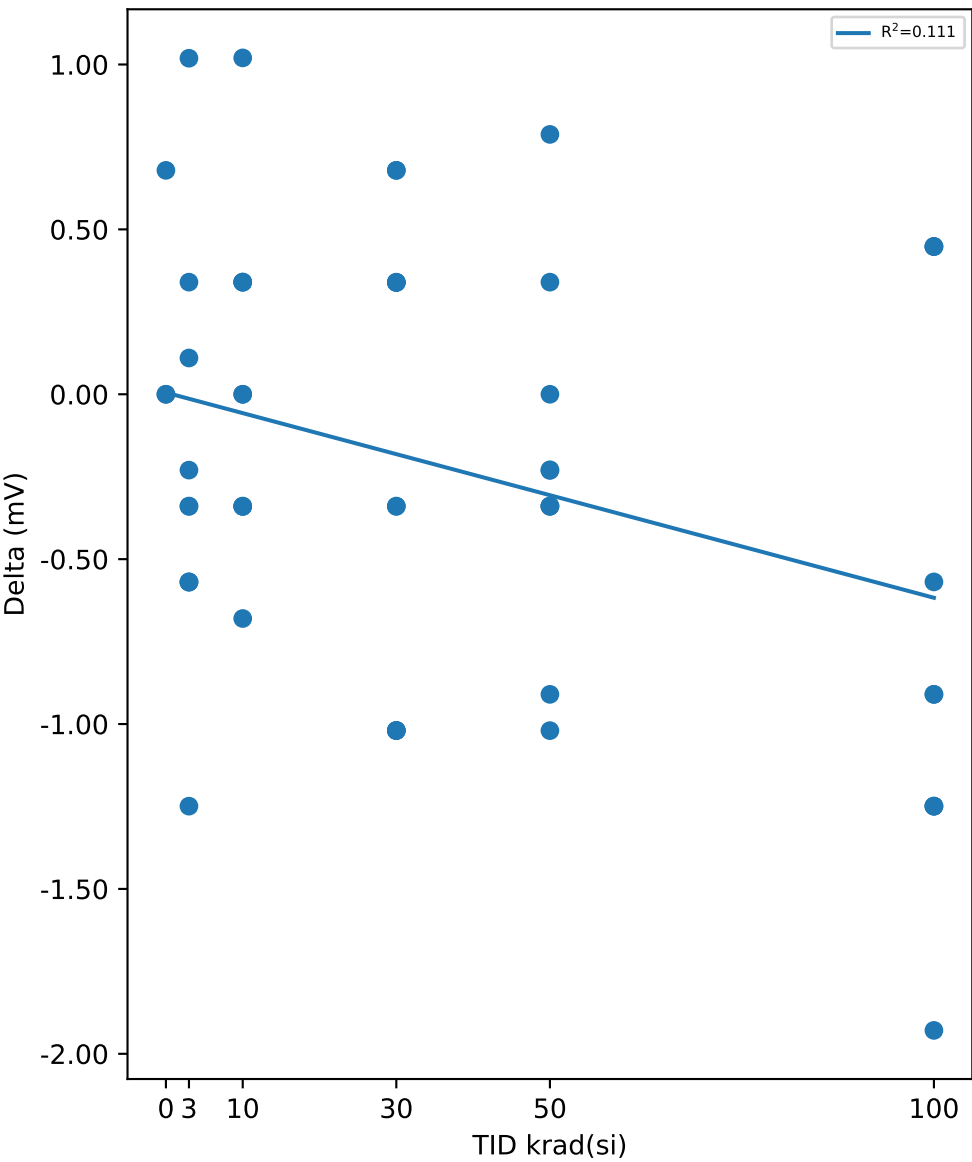
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 599.91     | 600.59      | 0.679  |
| 301      | 0        | Correlation         | 599.58     | 599.58      | 0      |
| 302      | 0        | Correlation         | 598.89     | 598.89      | 0      |
| 303      | 3        | Bias                | 599.8      | 598.56      | -1.249 |
| 304      | 3        | Bias                | 599.8      | 599.24      | -0.57  |
| 305      | 3        | Bias                | 600.14     | 599.58      | -0.569 |
| 306      | 3        | Bias                | 600.82     | 600.25      | -0.569 |
| 307      | 3        | Bias                | 598.79     | 598.56      | -0.23  |
| 308      | 3        | Unbiased            | 600.48     | 600.59      | 0.11   |
| 309      | 3        | Unbiased            | 598.56     | 599.58      | 1.019  |
| 310      | 3        | Unbiased            | 599.91     | 599.58      | -0.34  |
| 311      | 3        | Unbiased            | 599.24     | 599.58      | 0.34   |
| 312      | 3        | Unbiased            | 598.89     | 598.56      | -0.339 |
| 313      | 10       | Bias                | 598.56     | 598.56      | 0      |
| 314      | 10       | Bias                | 598.89     | 599.24      | 0.34   |
| 315      | 10       | Bias                | 599.58     | 599.58      | 0      |
| 316      | 10       | Bias                | 599.58     | 598.89      | -0.68  |
| 317      | 10       | Bias                | 599.24     | 598.89      | -0.34  |
| 318      | 10       | Unbiased            | 600.25     | 599.91      | -0.339 |
| 319      | 10       | Unbiased            | 598.22     | 598.56      | 0.34   |
| 320      | 10       | Unbiased            | 598.89     | 599.91      | 1.02   |
| 321      | 10       | Unbiased            | 599.58     | 599.91      | 0.34   |
| 322      | 10       | Unbiased            | 599.58     | 599.24      | -0.34  |
| 323      | 30       | Bias                | 599.58     | 598.56      | -1.019 |
| 324      | 30       | Bias                | 598.89     | 598.56      | -0.339 |
| 325      | 30       | Bias                | 599.91     | 599.58      | -0.34  |
| 326      | 30       | Bias                | 598.56     | 598.89      | 0.339  |
| 327      | 30       | Bias                | 599.91     | 598.89      | -1.02  |
| 328      | 30       | Unbiased            | 599.91     | 600.25      | 0.339  |
| 329      | 30       | Unbiased            | 598.22     | 598.89      | 0.679  |
| 330      | 30       | Unbiased            | 600.25     | 600.59      | 0.34   |
| 331      | 30       | Unbiased            | 599.91     | 598.89      | -1.02  |
| 332      | 30       | Unbiased            | 598.22     | 598.89      | 0.679  |
| 333      | 50       | Bias                | 599.58     | 599.24      | -0.34  |
| 334      | 50       | Bias                | 598.89     | 598.56      | -0.339 |
| 335      | 50       | Bias                | 599.24     | 599.24      | 0      |
| 336      | 50       | Bias                | 598.89     | 598.56      | -0.339 |
| 337      | 50       | Bias                | 599.91     | 598.89      | -1.02  |
| 338      | 50       | Unbiased            | 600.25     | 600.59      | 0.34   |
| 339      | 50       | Unbiased            | 599.13     | 598.89      | -0.231 |
| 340      | 50       | Unbiased            | 598.45     | 599.24      | 0.788  |
| 341      | 50       | Unbiased            | 598.45     | 597.54      | -0.91  |
| 342      | 50       | Unbiased            | 600.14     | 599.91      | -0.229 |
| 343      | 100      | Bias                | 600.14     | 598.89      | -1.249 |
| 344      | 100      | Bias                | 597.77     | 598.22      | 0.448  |
| 345      | 100      | Bias                | 599.8      | 598.89      | -0.91  |
| 346      | 100      | Bias                | 599.8      | 597.88      | -1.929 |
| 347      | 100      | Bias                | 601.16     | 600.59      | -0.569 |
| 348      | 100      | Unbiased            | 599.8      | 598.56      | -1.249 |
| 349      | 100      | Unbiased            | 599.13     | 598.22      | -0.91  |
| 350      | 100      | Unbiased            | 600.48     | 599.24      | -1.249 |
| 351      | 100      | Unbiased            | 598.11     | 598.56      | 0.448  |
| 352      | 100      | Unbiased            | 598.45     | 598.89      | 0.448  |

TID vs Post - Pre Exposure Delta

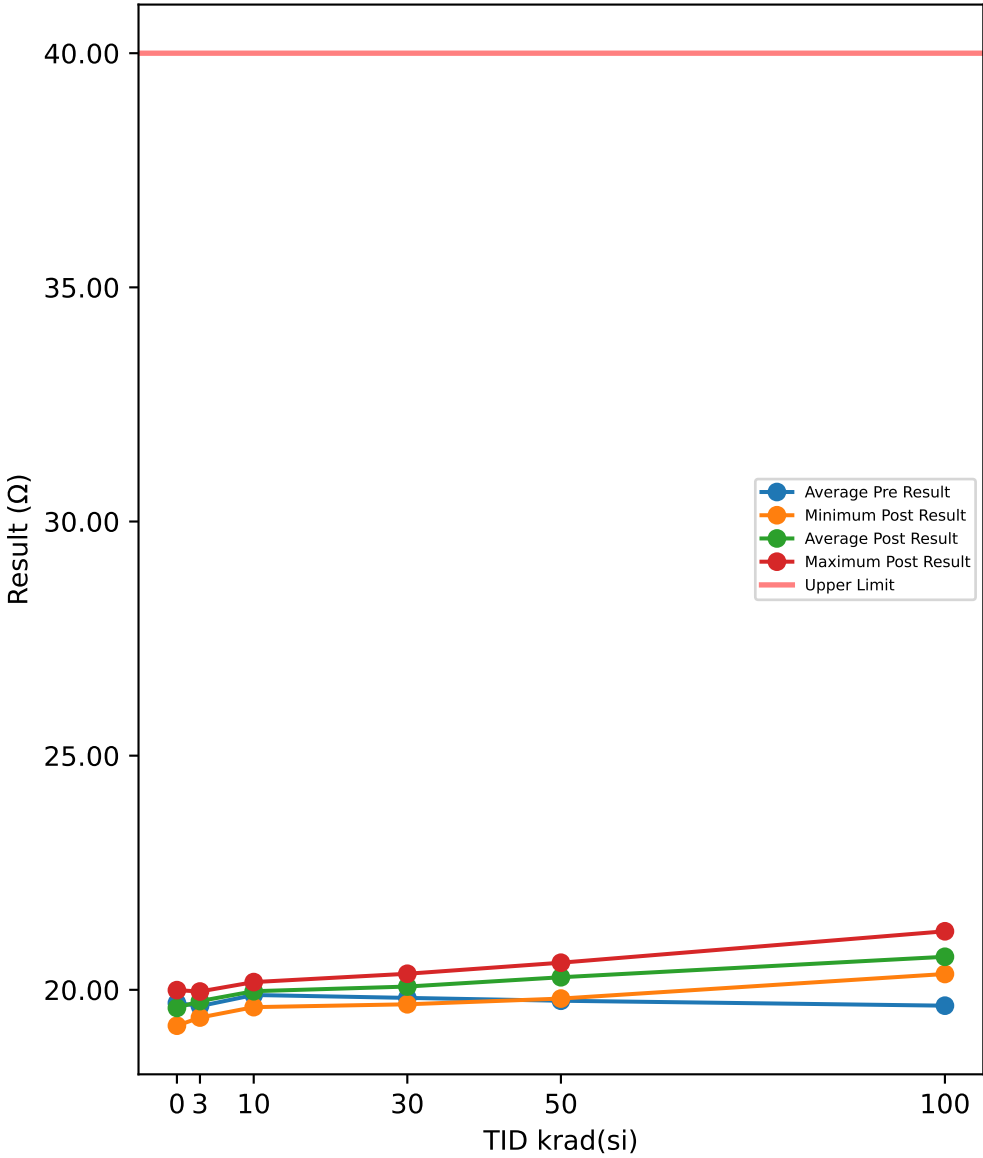


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 598.89           | 599.46           | 599.91           | 0.51936          | 598.89            | 599.69            | 600.59            | 0.85512           | 0         | 0.22633   | 0.679     | 0.39202   |
| 3        | 598.56           | 599.64           | 600.82           | 0.75418          | 598.56            | 599.41            | 600.59            | 0.70249           | -1.249    | -0.2397   | 1.019     | 0.6153    |
| 10       | 598.22           | 599.24           | 600.25           | 0.5992           | 598.56            | 599.27            | 599.91            | 0.54205           | -0.68     | 0.0341    | 1.02      | 0.49262   |
| 30       | 598.22           | 599.34           | 600.25           | 0.78546          | 598.56            | 599.2             | 600.59            | 0.70627           | -1.02     | -0.1362   | 0.679     | 0.70172   |
| 50       | 598.45           | 599.29           | 600.25           | 0.65774          | 597.54            | 599.07            | 600.59            | 0.82042           | -1.02     | -0.228    | 0.788     | 0.53087   |
| 100      | 597.77           | 599.47           | 601.16           | 1.0854           | 597.88            | 598.79            | 600.59            | 0.75198           | -1.929    | -0.6721   | 0.448     | 0.84761   |

Device Test: 18.0 ; RESET\_RPMOS\_LOW\_V

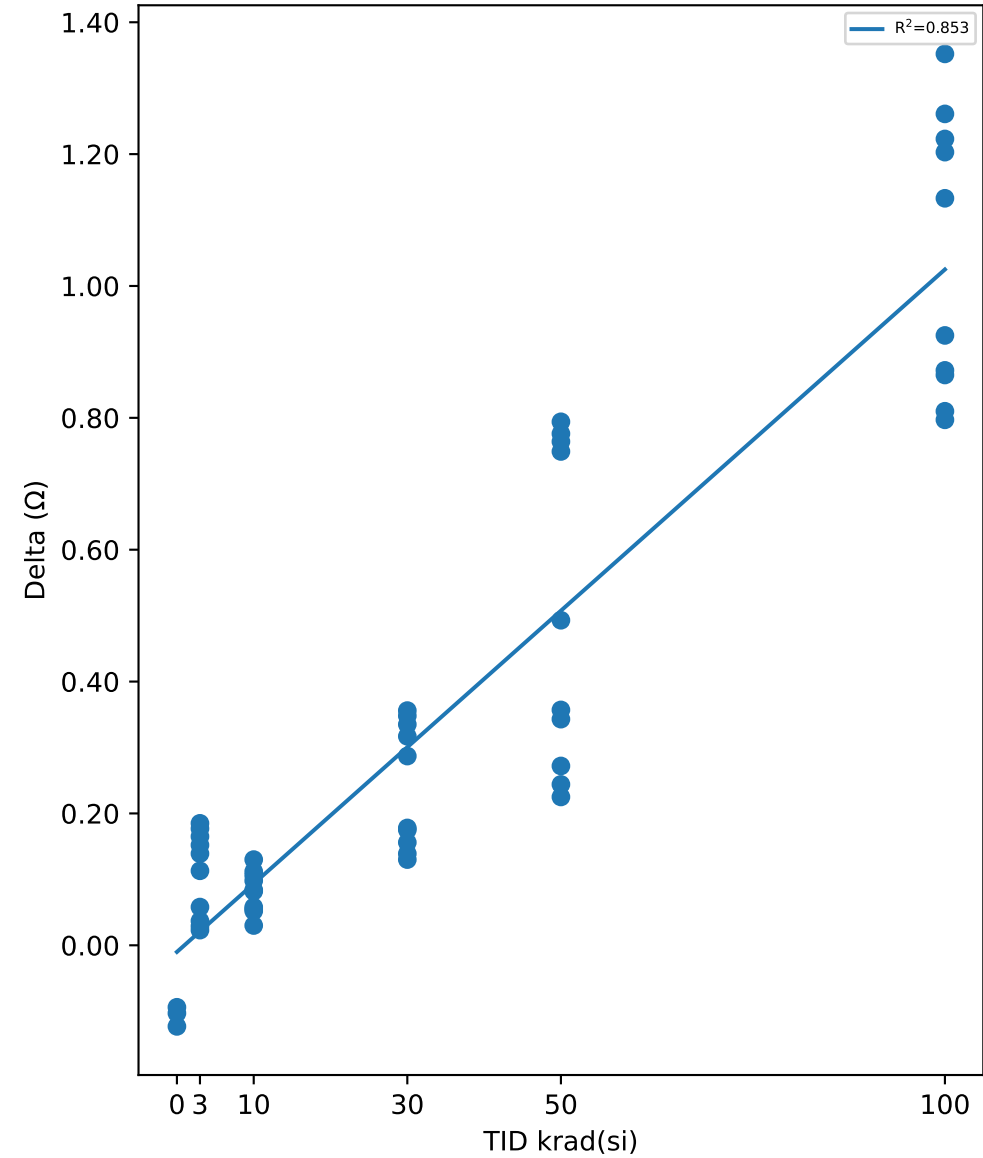
TID vs Result Stats



Test Results (Upper Limit = 40.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 19.736     | 19.613      | -0.123 |
| 301      | 0        | Correlation         | 19.337     | 19.234      | -0.103 |
| 302      | 0        | Correlation         | 20.087     | 19.993      | -0.094 |
| 303      | 3        | Bias                | 19.659     | 19.772      | 0.113  |
| 304      | 3        | Bias                | 19.721     | 19.886      | 0.165  |
| 305      | 3        | Bias                | 19.657     | 19.796      | 0.139  |
| 306      | 3        | Bias                | 19.65      | 19.802      | 0.152  |
| 307      | 3        | Bias                | 19.779     | 19.964      | 0.185  |
| 308      | 3        | Unbiased            | 19.6       | 19.777      | 0.177  |
| 309      | 3        | Unbiased            | 19.777     | 19.835      | 0.058  |
| 310      | 3        | Unbiased            | 19.879     | 19.916      | 0.037  |
| 311      | 3        | Unbiased            | 19.385     | 19.408      | 0.023  |
| 312      | 3        | Unbiased            | 19.413     | 19.442      | 0.029  |
| 313      | 10       | Bias                | 19.823     | 19.881      | 0.058  |
| 314      | 10       | Bias                | 19.893     | 19.945      | 0.052  |
| 315      | 10       | Bias                | 20.093     | 20.148      | 0.055  |
| 316      | 10       | Bias                | 19.518     | 19.63       | 0.112  |
| 317      | 10       | Bias                | 20.135     | 20.165      | 0.03   |
| 318      | 10       | Unbiased            | 19.91      | 20.008      | 0.098  |
| 319      | 10       | Unbiased            | 19.839     | 19.923      | 0.084  |
| 320      | 10       | Unbiased            | 19.991     | 20.097      | 0.106  |
| 321      | 10       | Unbiased            | 19.976     | 20.106      | 0.13   |
| 322      | 10       | Unbiased            | 19.717     | 19.799      | 0.082  |
| 323      | 30       | Bias                | 19.949     | 20.088      | 0.139  |
| 324      | 30       | Bias                | 19.758     | 19.914      | 0.156  |
| 325      | 30       | Bias                | 20.055     | 20.23       | 0.175  |
| 326      | 30       | Bias                | 19.561     | 19.691      | 0.13   |
| 327      | 30       | Bias                | 19.791     | 19.969      | 0.178  |
| 328      | 30       | Unbiased            | 19.796     | 20.113      | 0.317  |
| 329      | 30       | Unbiased            | 19.825     | 20.112      | 0.287  |
| 330      | 30       | Unbiased            | 19.652     | 19.987      | 0.335  |
| 331      | 30       | Unbiased            | 19.894     | 20.25       | 0.356  |
| 332      | 30       | Unbiased            | 19.995     | 20.343      | 0.348  |
| 333      | 50       | Bias                | 19.588     | 19.813      | 0.225  |
| 334      | 50       | Bias                | 20.117     | 20.361      | 0.244  |
| 335      | 50       | Bias                | 19.887     | 20.244      | 0.357  |
| 336      | 50       | Bias                | 19.839     | 20.182      | 0.343  |
| 337      | 50       | Bias                | 20.232     | 20.504      | 0.272  |
| 338      | 50       | Unbiased            | 19.599     | 20.092      | 0.493  |
| 339      | 50       | Unbiased            | 19.638     | 20.387      | 0.749  |
| 340      | 50       | Unbiased            | 19.785     | 20.579      | 0.794  |
| 341      | 50       | Unbiased            | 19.438     | 20.202      | 0.764  |
| 342      | 50       | Unbiased            | 19.543     | 20.319      | 0.776  |
| 343      | 100      | Bias                | 19.599     | 20.396      | 0.797  |
| 344      | 100      | Bias                | 19.734     | 20.544      | 0.81   |
| 345      | 100      | Bias                | 19.473     | 20.338      | 0.865  |
| 346      | 100      | Bias                | 19.9       | 20.825      | 0.925  |
| 347      | 100      | Bias                | 19.777     | 20.649      | 0.872  |
| 348      | 100      | Unbiased            | 19.63      | 20.833      | 1.203  |
| 349      | 100      | Unbiased            | 19.578     | 20.711      | 1.133  |
| 350      | 100      | Unbiased            | 19.594     | 20.855      | 1.261  |
| 351      | 100      | Unbiased            | 19.898     | 21.25       | 1.352  |
| 352      | 100      | Unbiased            | 19.432     | 20.655      | 1.223  |

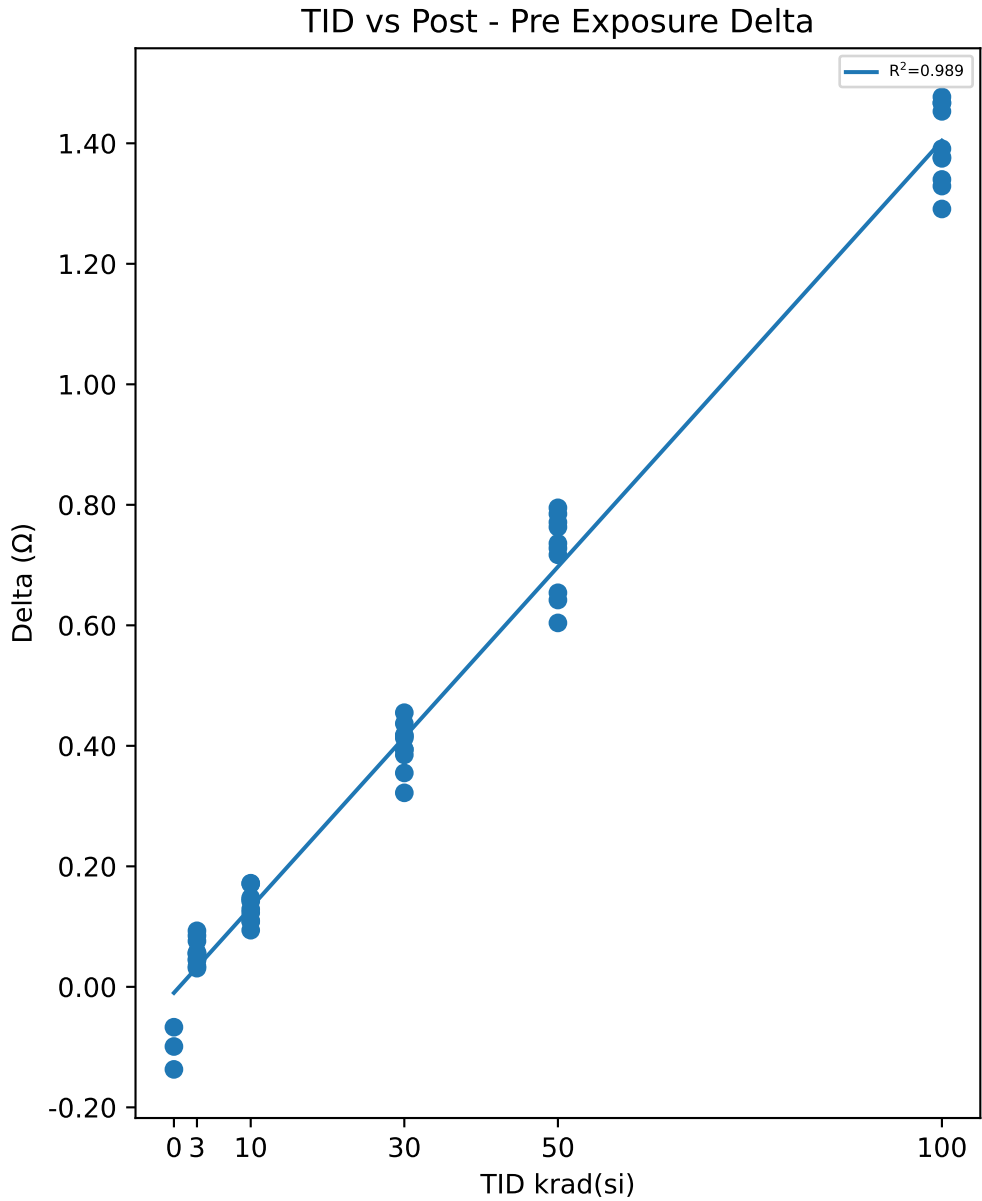
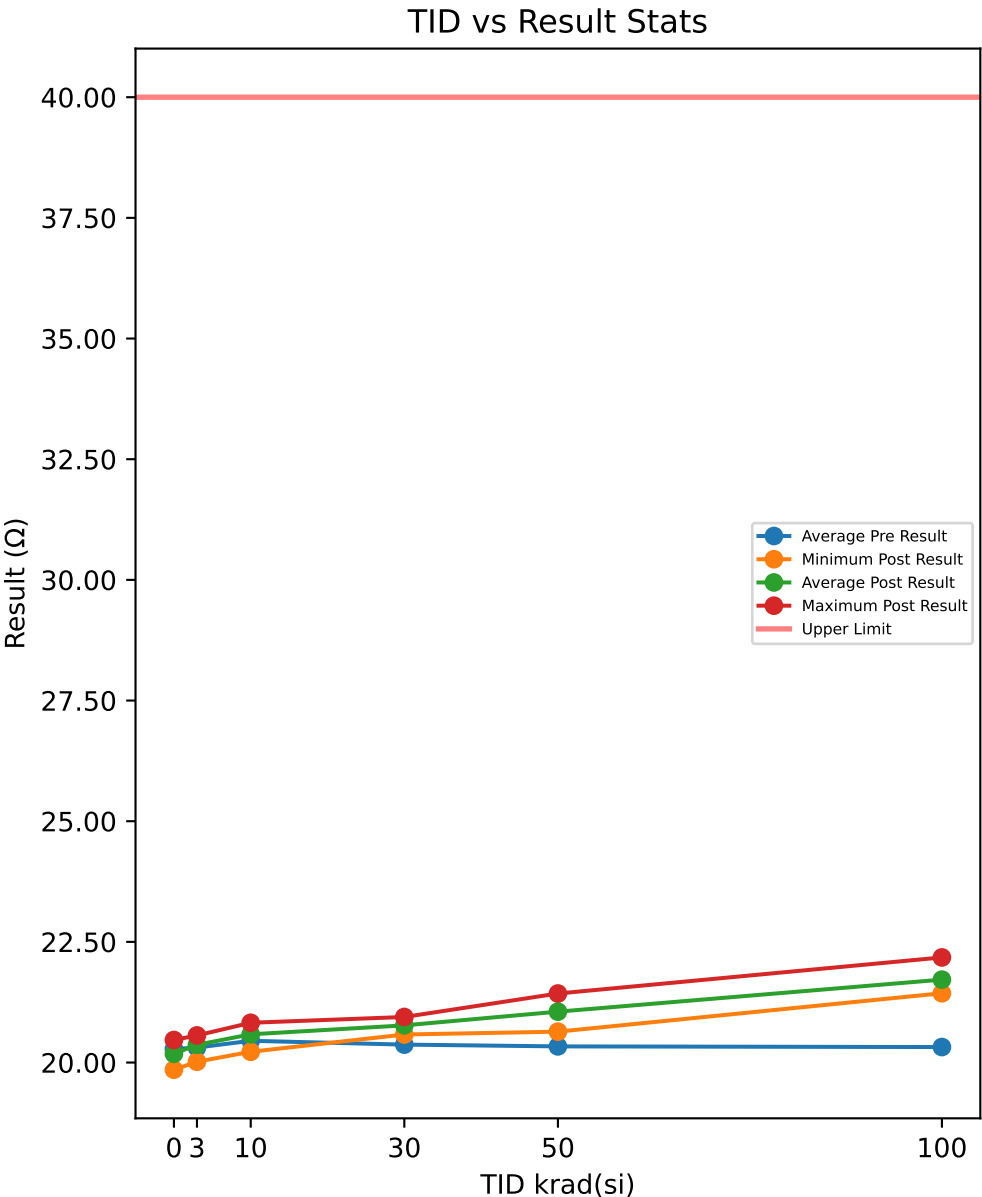
TID vs Post - Pre Exposure Delta



Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 19.337           | 19.72            | 20.087           | 0.37526          | 19.234            | 19.613            | 19.993            | 0.3795            | -0.123    | -0.10667  | -0.094    | 0.014844  |
| 3        | 19.385           | 19.652           | 19.879           | 0.15608          | 19.408            | 19.76             | 19.964            | 0.18737           | 0.023     | 0.1078    | 0.185     | 0.064865  |
| 10       | 19.518           | 19.89            | 20.135           | 0.18094          | 19.63             | 19.97             | 20.165            | 0.17042           | 0.03      | 0.0807    | 0.13      | 0.031503  |
| 30       | 19.561           | 19.828           | 20.055           | 0.15202          | 19.691            | 20.07             | 20.343            | 0.18901           | 0.13      | 0.2421    | 0.356     | 0.094083  |
| 50       | 19.438           | 19.767           | 20.232           | 0.25689          | 19.813            | 20.268            | 20.579            | 0.21811           | 0.225     | 0.5017    | 0.794     | 0.24326   |
| 100      | 19.432           | 19.662           | 19.9             | 0.16195          | 20.338            | 20.706            | 21.25             | 0.26078           | 0.797     | 1.0441    | 1.352     | 0.21049   |

Device Test: 18.1 ; RESET\_RPMOS\_LOW\_V



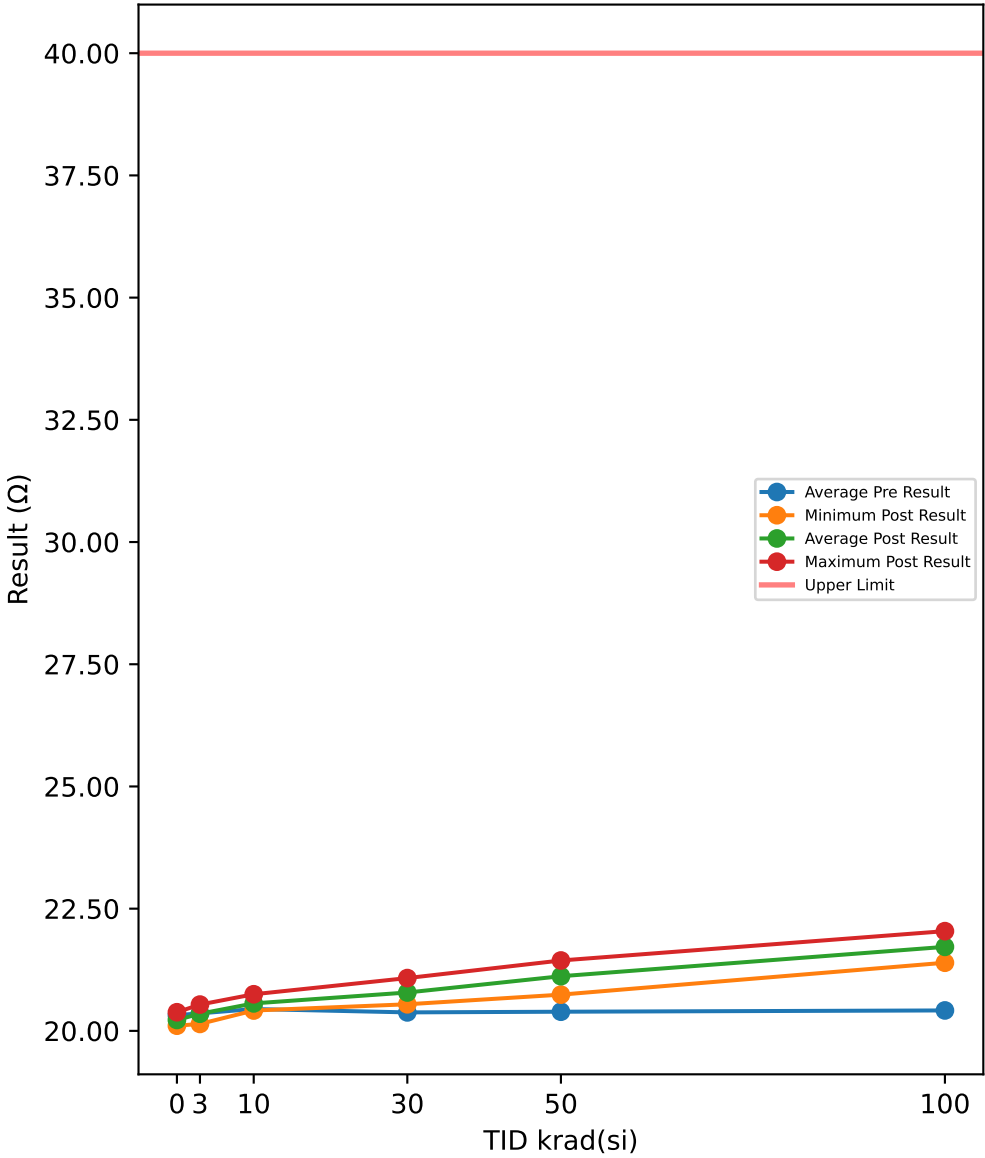
| Test Results (Upper Limit = 40.0 (Ω)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 20.361     | 20.224      | -0.137 |
| 301                                   | 0        | Correlation         | 19.951     | 19.852      | -0.099 |
| 302                                   | 0        | Correlation         | 20.534     | 20.467      | -0.067 |
| 303                                   | 3        | Bias                | 20.446     | 20.48       | 0.034  |
| 304                                   | 3        | Bias                | 20.445     | 20.499      | 0.054  |
| 305                                   | 3        | Bias                | 20.269     | 20.362      | 0.093  |
| 306                                   | 3        | Bias                | 20.326     | 20.402      | 0.076  |
| 307                                   | 3        | Bias                | 20.506     | 20.562      | 0.056  |
| 308                                   | 3        | Unbiased            | 20.299     | 20.384      | 0.085  |
| 309                                   | 3        | Unbiased            | 20.39      | 20.434      | 0.044  |
| 310                                   | 3        | Unbiased            | 20.447     | 20.504      | 0.057  |
| 311                                   | 3        | Unbiased            | 19.971     | 20.017      | 0.046  |
| 312                                   | 3        | Unbiased            | 20.003     | 20.034      | 0.031  |
| 313                                   | 10       | Bias                | 20.363     | 20.505      | 0.142  |
| 314                                   | 10       | Bias                | 20.458     | 20.581      | 0.123  |
| 315                                   | 10       | Bias                | 20.679     | 20.824      | 0.145  |
| 316                                   | 10       | Bias                | 20.052     | 20.223      | 0.171  |
| 317                                   | 10       | Bias                | 20.591     | 20.739      | 0.148  |
| 318                                   | 10       | Unbiased            | 20.385     | 20.495      | 0.11   |
| 319                                   | 10       | Unbiased            | 20.561     | 20.669      | 0.108  |
| 320                                   | 10       | Unbiased            | 20.502     | 20.596      | 0.094  |
| 321                                   | 10       | Unbiased            | 20.469     | 20.641      | 0.172  |
| 322                                   | 10       | Unbiased            | 20.447     | 20.576      | 0.129  |
| 323                                   | 30       | Bias                | 20.436     | 20.83       | 0.394  |
| 324                                   | 30       | Bias                | 20.301     | 20.686      | 0.385  |
| 325                                   | 30       | Bias                | 20.489     | 20.944      | 0.455  |
| 326                                   | 30       | Bias                | 20.149     | 20.586      | 0.437  |
| 327                                   | 30       | Bias                | 20.507     | 20.925      | 0.418  |
| 328                                   | 30       | Unbiased            | 20.34      | 20.695      | 0.355  |
| 329                                   | 30       | Unbiased            | 20.43      | 20.752      | 0.322  |
| 330                                   | 30       | Unbiased            | 20.165     | 20.581      | 0.416  |
| 331                                   | 30       | Unbiased            | 20.406     | 20.819      | 0.413  |
| 332                                   | 30       | Unbiased            | 20.492     | 20.886      | 0.394  |
| 333                                   | 50       | Bias                | 19.998     | 20.64       | 0.642  |
| 334                                   | 50       | Bias                | 20.5       | 21.154      | 0.654  |
| 335                                   | 50       | Bias                | 20.507     | 21.27       | 0.763  |
| 336                                   | 50       | Bias                | 20.402     | 21.138      | 0.736  |
| 337                                   | 50       | Bias                | 20.702     | 21.43       | 0.728  |
| 338                                   | 50       | Unbiased            | 20.068     | 20.672      | 0.604  |
| 339                                   | 50       | Unbiased            | 20.382     | 21.099      | 0.717  |
| 340                                   | 50       | Unbiased            | 20.351     | 21.146      | 0.795  |
| 341                                   | 50       | Unbiased            | 20.164     | 20.949      | 0.785  |
| 342                                   | 50       | Unbiased            | 20.275     | 21.046      | 0.771  |
| 343                                   | 100      | Bias                | 20.194     | 21.534      | 1.34   |
| 344                                   | 100      | Bias                | 20.311     | 21.686      | 1.375  |
| 345                                   | 100      | Bias                | 20.155     | 21.632      | 1.477  |
| 346                                   | 100      | Bias                | 20.711     | 22.178      | 1.467  |
| 347                                   | 100      | Bias                | 20.478     | 21.869      | 1.391  |
| 348                                   | 100      | Unbiased            | 20.257     | 21.586      | 1.329  |
| 349                                   | 100      | Unbiased            | 20.242     | 21.533      | 1.291  |
| 350                                   | 100      | Unbiased            | 20.307     | 21.76       | 1.453  |
| 351                                   | 100      | Unbiased            | 20.498     | 21.965      | 1.467  |
| 352                                   | 100      | Unbiased            | 20.059     | 21.436      | 1.377  |

Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 19.951           | 20.282           | 20.534           | 0.29942          | 19.852            | 20.181            | 20.467            | 0.30975           | -0.137    | -0.101    | -0.067    | 0.035043  |
| 3        | 19.971           | 20.31            | 20.506           | 0.18605          | 20.017            | 20.368            | 20.562            | 0.19044           | 0.031     | 0.0576    | 0.093     | 0.02093   |
| 10       | 20.052           | 20.451           | 20.679           | 0.1693           | 20.223            | 20.585            | 20.824            | 0.1622            | 0.094     | 0.1342    | 0.172     | 0.026229  |
| 30       | 20.149           | 20.372           | 20.507           | 0.13063          | 20.581            | 20.77             | 20.944            | 0.1318            | 0.322     | 0.3989    | 0.455     | 0.038783  |
| 50       | 19.998           | 20.335           | 20.702           | 0.21503          | 20.64             | 21.054            | 21.43             | 0.24585           | 0.604     | 0.7195    | 0.795     | 0.065424  |
| 100      | 20.059           | 20.321           | 20.711           | 0.19179          | 21.436            | 21.718            | 22.178            | 0.22867           | 1.291     | 1.3967    | 1.477     | 0.066135  |



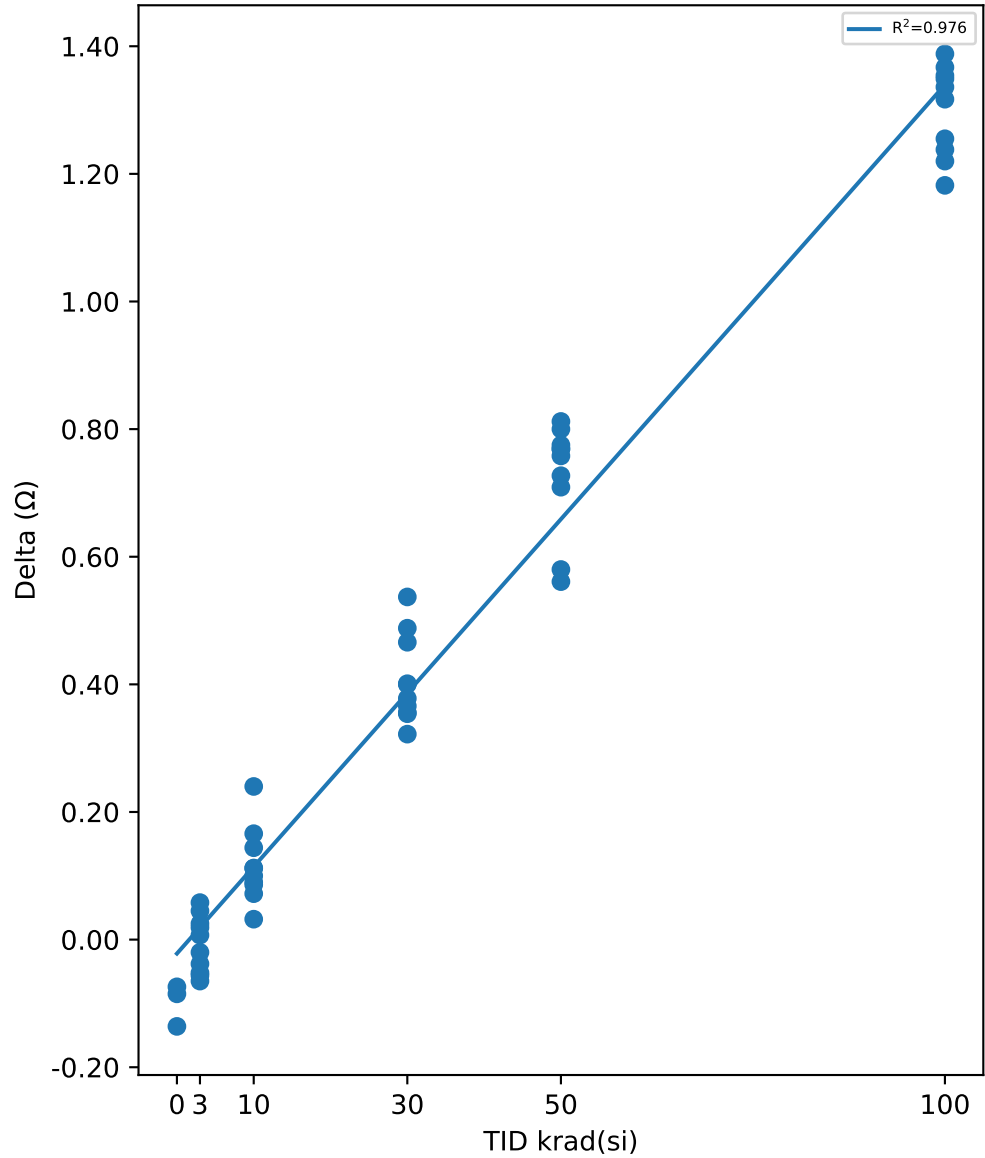
TID vs Result Stats



Test Results (Upper Limit = 40.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 20.319     | 20.183      | -0.136 |
| 301      | 0        | Correlation         | 20.191     | 20.106      | -0.085 |
| 302      | 0        | Correlation         | 20.455     | 20.381      | -0.074 |
| 303      | 3        | Bias                | 20.468     | 20.412      | -0.056 |
| 304      | 3        | Bias                | 20.478     | 20.426      | -0.052 |
| 305      | 3        | Bias                | 20.222     | 20.229      | 0.007  |
| 306      | 3        | Bias                | 20.396     | 20.376      | -0.02  |
| 307      | 3        | Bias                | 20.603     | 20.538      | -0.065 |
| 308      | 3        | Unbiased            | 20.338     | 20.3        | -0.038 |
| 309      | 3        | Unbiased            | 20.357     | 20.415      | 0.058  |
| 310      | 3        | Unbiased            | 20.429     | 20.474      | 0.045  |
| 311      | 3        | Unbiased            | 20.117     | 20.142      | 0.025  |
| 312      | 3        | Unbiased            | 20.178     | 20.197      | 0.019  |
| 313      | 10       | Bias                | 20.304     | 20.416      | 0.112  |
| 314      | 10       | Bias                | 20.354     | 20.454      | 0.1    |
| 315      | 10       | Bias                | 20.491     | 20.657      | 0.166  |
| 316      | 10       | Bias                | 20.327     | 20.439      | 0.112  |
| 317      | 10       | Bias                | 20.435     | 20.579      | 0.144  |
| 318      | 10       | Unbiased            | 20.407     | 20.497      | 0.09   |
| 319      | 10       | Unbiased            | 20.5       | 20.572      | 0.072  |
| 320      | 10       | Unbiased            | 20.606     | 20.638      | 0.032  |
| 321      | 10       | Unbiased            | 20.509     | 20.749      | 0.24   |
| 322      | 10       | Unbiased            | 20.534     | 20.62       | 0.086  |
| 323      | 30       | Bias                | 20.389     | 20.789      | 0.4    |
| 324      | 30       | Bias                | 20.29      | 20.644      | 0.354  |
| 325      | 30       | Bias                | 20.543     | 21.08       | 0.537  |
| 326      | 30       | Bias                | 20.263     | 20.641      | 0.378  |
| 327      | 30       | Bias                | 20.393     | 20.794      | 0.401  |
| 328      | 30       | Unbiased            | 20.304     | 20.626      | 0.322  |
| 329      | 30       | Unbiased            | 20.453     | 20.819      | 0.366  |
| 330      | 30       | Unbiased            | 20.188     | 20.544      | 0.356  |
| 331      | 30       | Unbiased            | 20.428     | 20.894      | 0.466  |
| 332      | 30       | Unbiased            | 20.53      | 21.018      | 0.488  |
| 333      | 50       | Bias                | 20.161     | 20.741      | 0.58   |
| 334      | 50       | Bias                | 20.649     | 21.358      | 0.709  |
| 335      | 50       | Bias                | 20.461     | 21.273      | 0.812  |
| 336      | 50       | Bias                | 20.381     | 21.181      | 0.8    |
| 337      | 50       | Bias                | 20.665     | 21.44       | 0.775  |
| 338      | 50       | Unbiased            | 20.256     | 20.817      | 0.561  |
| 339      | 50       | Unbiased            | 20.288     | 21.015      | 0.727  |
| 340      | 50       | Unbiased            | 20.481     | 21.25       | 0.769  |
| 341      | 50       | Unbiased            | 20.233     | 20.991      | 0.758  |
| 342      | 50       | Unbiased            | 20.344     | 21.113      | 0.769  |
| 343      | 100      | Bias                | 20.314     | 21.569      | 1.255  |
| 344      | 100      | Bias                | 20.401     | 21.639      | 1.238  |
| 345      | 100      | Bias                | 20.318     | 21.706      | 1.388  |
| 346      | 100      | Bias                | 20.673     | 22.04       | 1.367  |
| 347      | 100      | Bias                | 20.494     | 21.811      | 1.317  |
| 348      | 100      | Unbiased            | 20.432     | 21.652      | 1.22   |
| 349      | 100      | Unbiased            | 20.396     | 21.578      | 1.182  |
| 350      | 100      | Unbiased            | 20.433     | 21.787      | 1.354  |
| 351      | 100      | Unbiased            | 20.662     | 22.011      | 1.349  |
| 352      | 100      | Unbiased            | 20.058     | 21.394      | 1.336  |

TID vs Post - Pre Exposure Delta

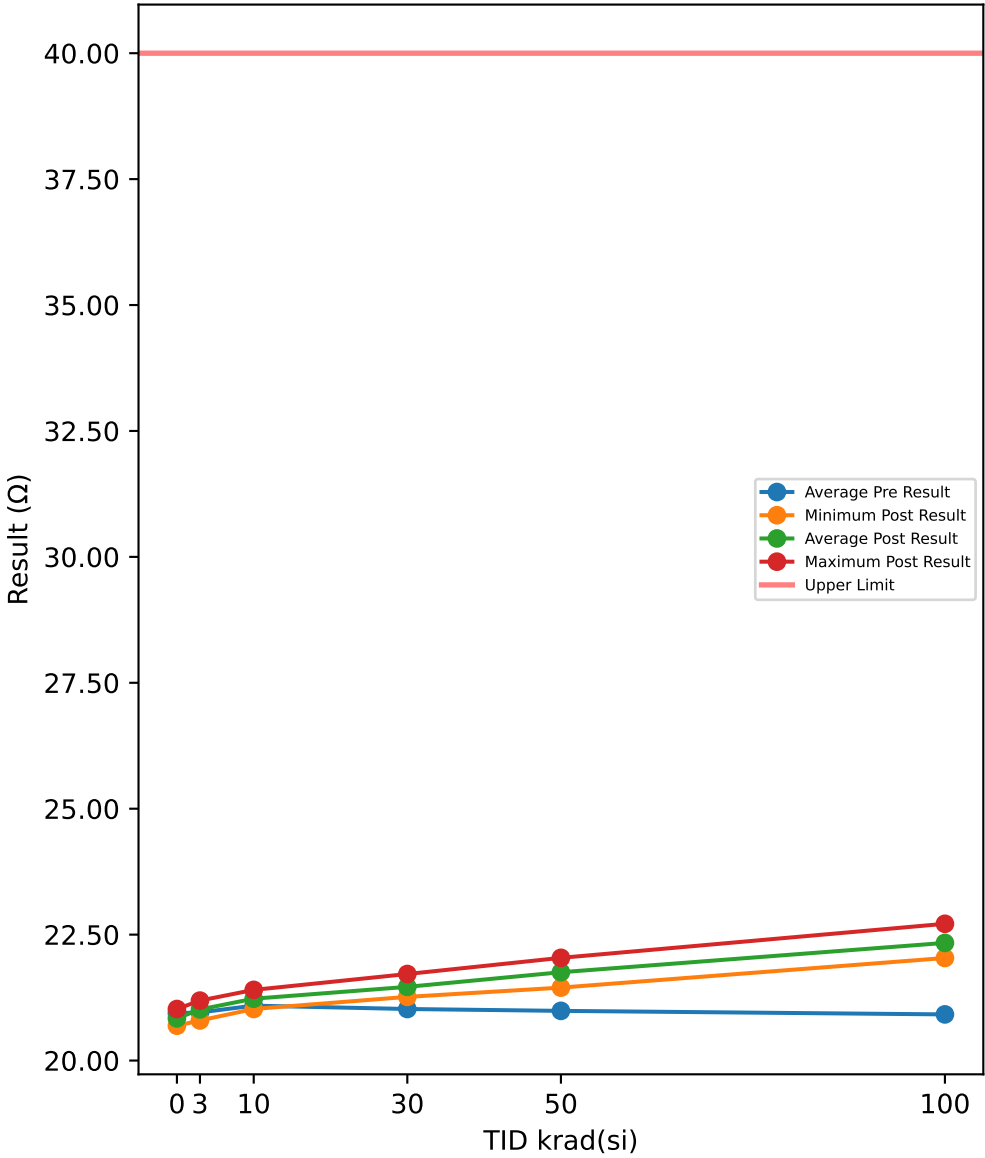


Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 20.191           | 20.322           | 20.455           | 0.13202          | 20.106            | 20.223            | 20.381            | 0.14187           | -0.136    | -0.098333 | -0.074    | 0.033081  |
| 3        | 20.117           | 20.359           | 20.603           | 0.14996          | 20.142            | 20.351            | 20.538            | 0.12869           | -0.065    | -0.0077   | 0.058     | 0.044397  |
| 10       | 20.304           | 20.447           | 20.606           | 0.098138         | 20.416            | 20.562            | 20.749            | 0.10845           | 0.032     | 0.1154    | 0.24      | 0.057264  |
| 30       | 20.188           | 20.378           | 20.543           | 0.11612          | 20.544            | 20.785            | 21.08             | 0.17589           | 0.322     | 0.4068    | 0.537     | 0.068462  |
| 50       | 20.161           | 20.392           | 20.665           | 0.17115          | 20.741            | 21.118            | 21.44             | 0.22759           | 0.561     | 0.726     | 0.812     | 0.087449  |
| 100      | 20.058           | 20.418           | 20.673           | 0.177            | 21.394            | 21.719            | 22.04             | 0.20013           | 1.182     | 1.3006    | 1.388     | 0.070965  |

Device Test: 18.11 ; WDO\_RPMOS\_LOW\_V

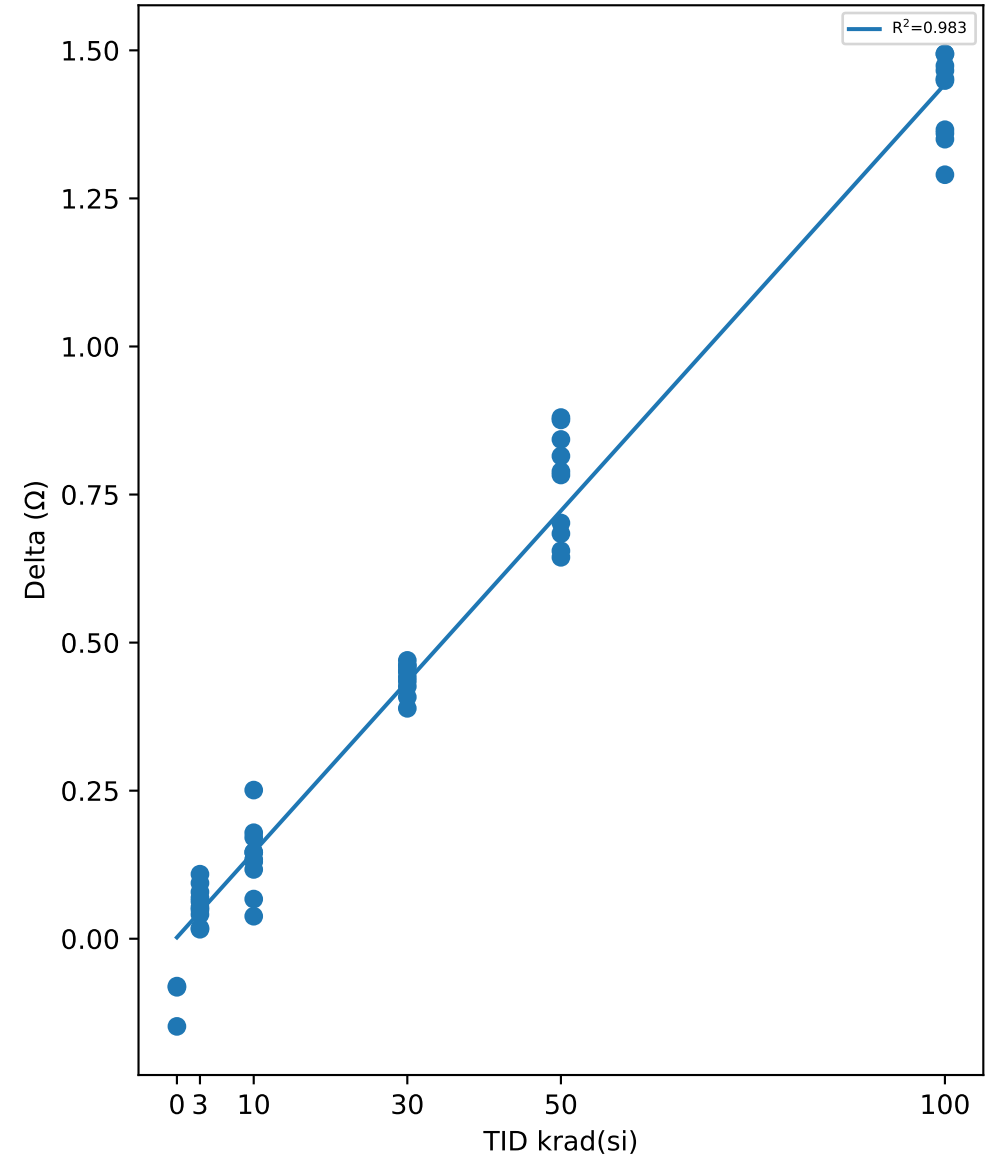
TID vs Result Stats



Test Results (Upper Limit = 40.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 20.945     | 20.797      | -0.148 |
| 301      | 0        | Correlation         | 20.774     | 20.692      | -0.082 |
| 302      | 0        | Correlation         | 21.103     | 21.023      | -0.08  |
| 303      | 3        | Bias                | 21.087     | 21.136      | 0.049  |
| 304      | 3        | Bias                | 21.038     | 21.147      | 0.109  |
| 305      | 3        | Bias                | 20.804     | 20.898      | 0.094  |
| 306      | 3        | Bias                | 20.881     | 20.934      | 0.053  |
| 307      | 3        | Bias                | 21.111     | 21.19       | 0.079  |
| 308      | 3        | Unbiased            | 20.933     | 21.002      | 0.069  |
| 309      | 3        | Unbiased            | 21.025     | 21.088      | 0.063  |
| 310      | 3        | Unbiased            | 21.088     | 21.129      | 0.041  |
| 311      | 3        | Unbiased            | 20.78      | 20.796      | 0.016  |
| 312      | 3        | Unbiased            | 20.809     | 20.827      | 0.018  |
| 313      | 10       | Bias                | 20.946     | 21.076      | 0.13   |
| 314      | 10       | Bias                | 20.985     | 21.131      | 0.146  |
| 315      | 10       | Bias                | 21.232     | 21.403      | 0.171  |
| 316      | 10       | Bias                | 20.878     | 21.024      | 0.146  |
| 317      | 10       | Bias                | 21.133     | 21.312      | 0.179  |
| 318      | 10       | Unbiased            | 21.062     | 21.179      | 0.117  |
| 319      | 10       | Unbiased            | 21.141     | 21.208      | 0.067  |
| 320      | 10       | Unbiased            | 21.215     | 21.253      | 0.038  |
| 321      | 10       | Unbiased            | 21.105     | 21.356      | 0.251  |
| 322      | 10       | Unbiased            | 21.203     | 21.337      | 0.134  |
| 323      | 30       | Bias                | 21.05      | 21.503      | 0.453  |
| 324      | 30       | Bias                | 20.892     | 21.327      | 0.435  |
| 325      | 30       | Bias                | 21.257     | 21.718      | 0.461  |
| 326      | 30       | Bias                | 20.859     | 21.32       | 0.461  |
| 327      | 30       | Bias                | 21.062     | 21.513      | 0.451  |
| 328      | 30       | Unbiased            | 20.99      | 21.398      | 0.408  |
| 329      | 30       | Unbiased            | 21.025     | 21.414      | 0.389  |
| 330      | 30       | Unbiased            | 20.838     | 21.264      | 0.426  |
| 331      | 30       | Unbiased            | 21.063     | 21.533      | 0.47   |
| 332      | 30       | Unbiased            | 21.198     | 21.64       | 0.442  |
| 333      | 50       | Bias                | 20.764     | 21.448      | 0.684  |
| 334      | 50       | Bias                | 21.235     | 21.89       | 0.655  |
| 335      | 50       | Bias                | 21.148     | 21.931      | 0.783  |
| 336      | 50       | Bias                | 21.015     | 21.804      | 0.789  |
| 337      | 50       | Bias                | 21.337     | 22.039      | 0.702  |
| 338      | 50       | Unbiased            | 20.841     | 21.485      | 0.644  |
| 339      | 50       | Unbiased            | 20.819     | 21.634      | 0.815  |
| 340      | 50       | Unbiased            | 21         | 21.876      | 0.876  |
| 341      | 50       | Unbiased            | 20.765     | 21.645      | 0.88   |
| 342      | 50       | Unbiased            | 20.94      | 21.783      | 0.843  |
| 343      | 100      | Bias                | 20.822     | 22.182      | 1.36   |
| 344      | 100      | Bias                | 20.89      | 22.256      | 1.366  |
| 345      | 100      | Bias                | 20.812     | 22.306      | 1.494  |
| 346      | 100      | Bias                | 21.221     | 22.715      | 1.494  |
| 347      | 100      | Bias                | 20.946     | 22.398      | 1.452  |
| 348      | 100      | Unbiased            | 20.999     | 22.349      | 1.35   |
| 349      | 100      | Unbiased            | 20.833     | 22.123      | 1.29   |
| 350      | 100      | Unbiased            | 20.941     | 22.407      | 1.466  |
| 351      | 100      | Unbiased            | 21.111     | 22.585      | 1.474  |
| 352      | 100      | Unbiased            | 20.587     | 22.036      | 1.449  |

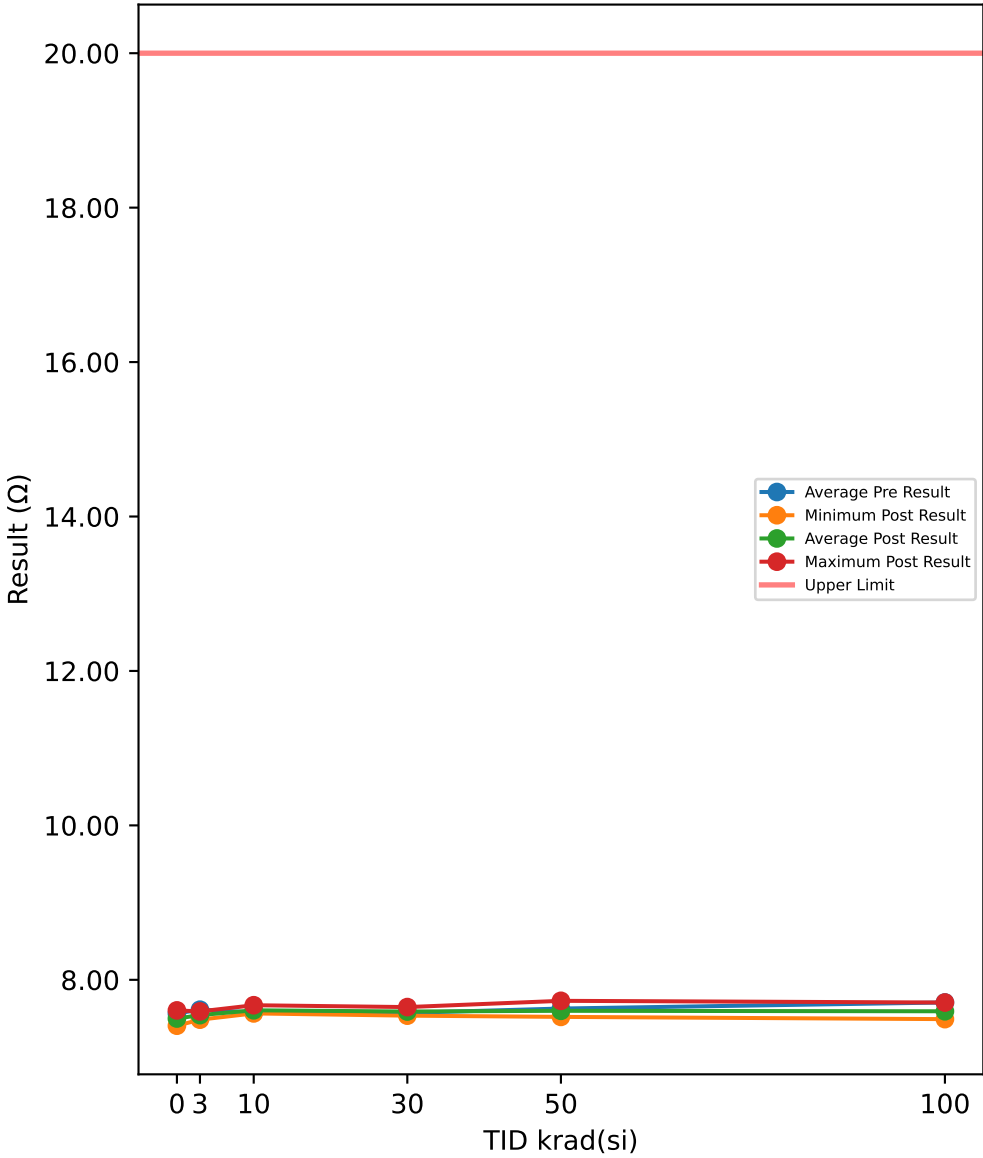
TID vs Post - Pre Exposure Delta



Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 20.774           | 20.941           | 21.103           | 0.16454          | 20.692            | 20.837            | 21.023            | 0.16915           | -0.148    | -0.10333  | -0.08     | 0.038695  |
| 3        | 20.78            | 20.956           | 21.111           | 0.12993          | 20.796            | 21.015            | 21.19             | 0.14327           | 0.016     | 0.0591    | 0.109     | 0.030241  |
| 10       | 20.878           | 21.09            | 21.232           | 0.12052          | 21.024            | 21.228            | 21.403            | 0.12627           | 0.038     | 0.1379    | 0.251     | 0.058906  |
| 30       | 20.838           | 21.023           | 21.257           | 0.13687          | 21.264            | 21.463            | 21.718            | 0.1455            | 0.389     | 0.4396    | 0.47      | 0.025648  |
| 50       | 20.764           | 20.986           | 21.337           | 0.20045          | 21.448            | 21.753            | 22.039            | 0.19481           | 0.644     | 0.7671    | 0.88      | 0.089602  |
| 100      | 20.587           | 20.916           | 21.221           | 0.17478          | 22.036            | 22.336            | 22.715            | 0.20577           | 1.29      | 1.4195    | 1.494     | 0.071618  |

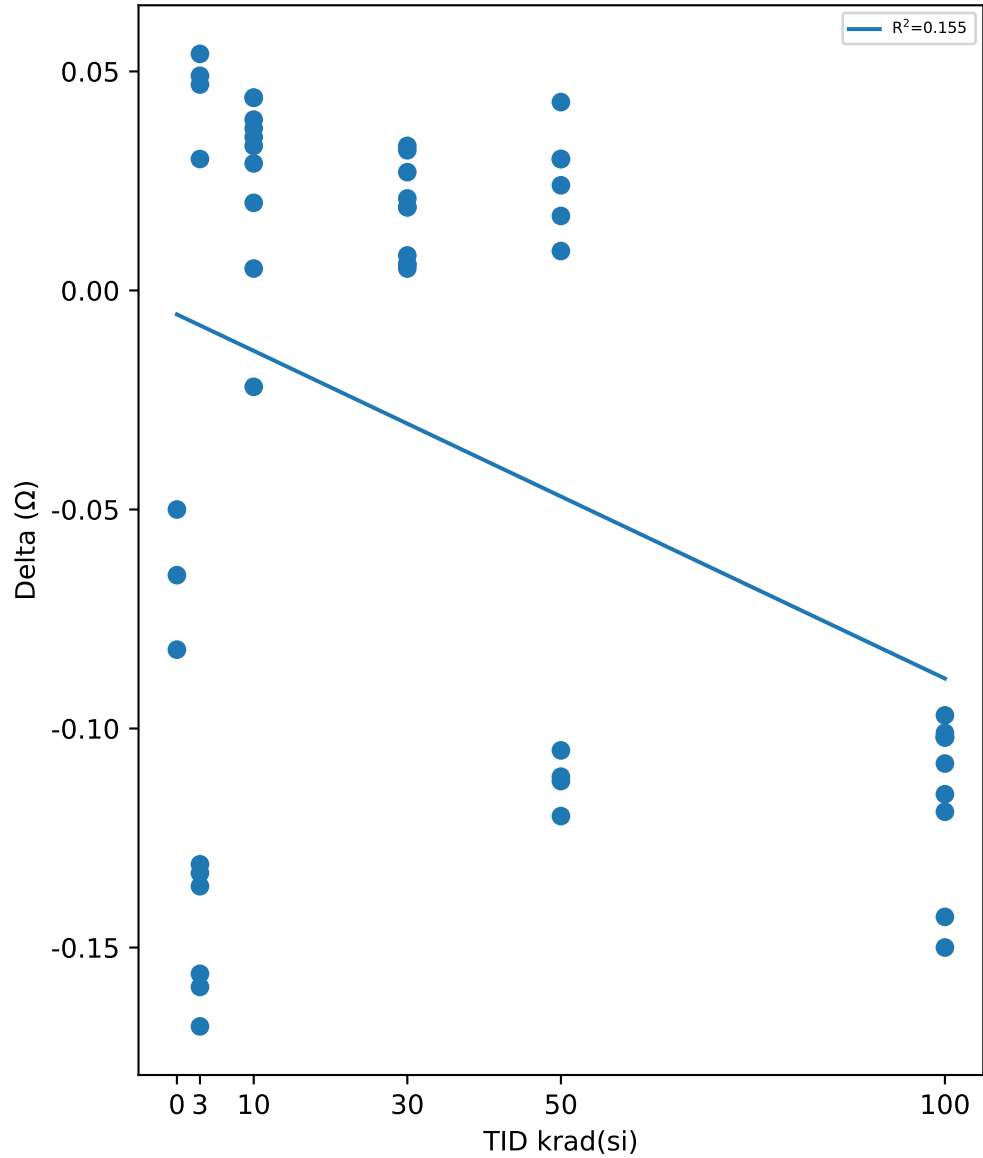
TID vs Result Stats



Test Results (Upper Limit = 20.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 7.569      | 7.487       | -0.082 |
| 301      | 0        | Correlation         | 7.471      | 7.406       | -0.065 |
| 302      | 0        | Correlation         | 7.654      | 7.604       | -0.05  |
| 303      | 3        | Bias                | 7.661      | 7.493       | -0.168 |
| 304      | 3        | Bias                | 7.703      | 7.572       | -0.131 |
| 305      | 3        | Bias                | 7.709      | 7.553       | -0.156 |
| 306      | 3        | Bias                | 7.697      | 7.538       | -0.159 |
| 307      | 3        | Bias                | 7.724      | 7.591       | -0.133 |
| 308      | 3        | Unbiased            | 7.7        | 7.564       | -0.136 |
| 309      | 3        | Unbiased            | 7.518      | 7.565       | 0.047  |
| 310      | 3        | Unbiased            | 7.535      | 7.584       | 0.049  |
| 311      | 3        | Unbiased            | 7.454      | 7.484       | 0.03   |
| 312      | 3        | Unbiased            | 7.43       | 7.484       | 0.054  |
| 313      | 10       | Bias                | 7.561      | 7.605       | 0.044  |
| 314      | 10       | Bias                | 7.61       | 7.643       | 0.033  |
| 315      | 10       | Bias                | 7.627      | 7.671       | 0.044  |
| 316      | 10       | Bias                | 7.585      | 7.622       | 0.037  |
| 317      | 10       | Bias                | 7.603      | 7.623       | 0.02   |
| 318      | 10       | Unbiased            | 7.557      | 7.586       | 0.029  |
| 319      | 10       | Unbiased            | 7.537      | 7.572       | 0.035  |
| 320      | 10       | Unbiased            | 7.587      | 7.565       | -0.022 |
| 321      | 10       | Unbiased            | 7.559      | 7.598       | 0.039  |
| 322      | 10       | Unbiased            | 7.565      | 7.57        | 0.005  |
| 323      | 30       | Bias                | 7.597      | 7.618       | 0.021  |
| 324      | 30       | Bias                | 7.57       | 7.589       | 0.019  |
| 325      | 30       | Bias                | 7.642      | 7.647       | 0.005  |
| 326      | 30       | Bias                | 7.503      | 7.536       | 0.033  |
| 327      | 30       | Bias                | 7.585      | 7.591       | 0.006  |
| 328      | 30       | Unbiased            | 7.572      | 7.58        | 0.008  |
| 329      | 30       | Unbiased            | 7.574      | 7.58        | 0.006  |
| 330      | 30       | Unbiased            | 7.587      | 7.606       | 0.019  |
| 331      | 30       | Unbiased            | 7.533      | 7.565       | 0.032  |
| 332      | 30       | Unbiased            | 7.557      | 7.584       | 0.027  |
| 333      | 50       | Bias                | 7.558      | 7.567       | 0.009  |
| 334      | 50       | Bias                | 7.655      | 7.672       | 0.017  |
| 335      | 50       | Bias                | 7.521      | 7.564       | 0.043  |
| 336      | 50       | Bias                | 7.518      | 7.548       | 0.03   |
| 337      | 50       | Bias                | 7.698      | 7.728       | 0.03   |
| 338      | 50       | Unbiased            | 7.541      | 7.565       | 0.024  |
| 339      | 50       | Unbiased            | 7.687      | 7.582       | -0.105 |
| 340      | 50       | Unbiased            | 7.745      | 7.633       | -0.112 |
| 341      | 50       | Unbiased            | 7.64       | 7.52        | -0.12  |
| 342      | 50       | Unbiased            | 7.719      | 7.608       | -0.111 |
| 343      | 100      | Bias                | 7.681      | 7.566       | -0.115 |
| 344      | 100      | Bias                | 7.737      | 7.587       | -0.15  |
| 345      | 100      | Bias                | 7.649      | 7.541       | -0.108 |
| 346      | 100      | Bias                | 7.788      | 7.645       | -0.143 |
| 347      | 100      | Bias                | 7.727      | 7.625       | -0.102 |
| 348      | 100      | Unbiased            | 7.678      | 7.576       | -0.102 |
| 349      | 100      | Unbiased            | 7.728      | 7.626       | -0.102 |
| 350      | 100      | Unbiased            | 7.683      | 7.564       | -0.119 |
| 351      | 100      | Unbiased            | 7.803      | 7.706       | -0.097 |
| 352      | 100      | Unbiased            | 7.592      | 7.491       | -0.101 |

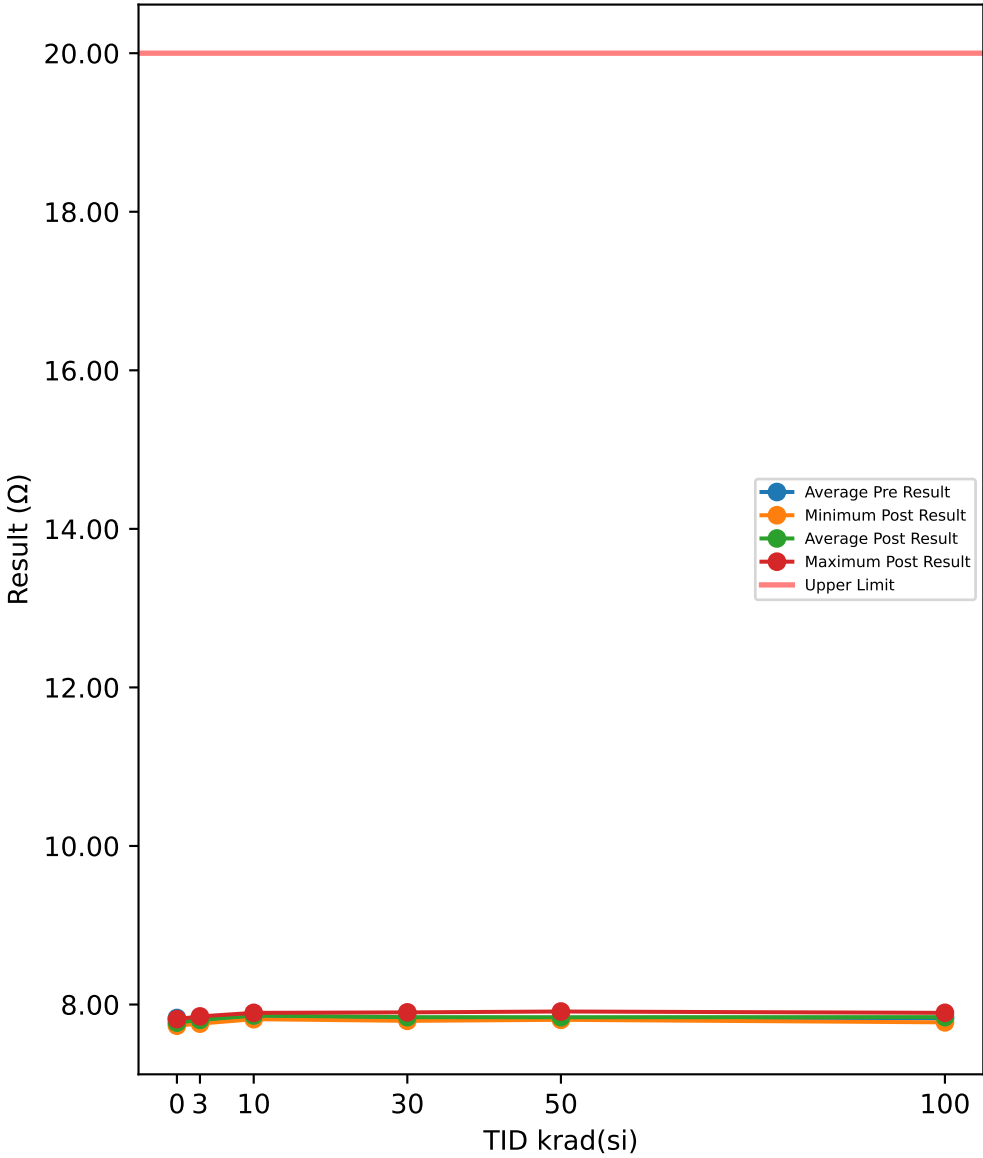
TID vs Post - Pre Exposure Delta



Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 7.471            | 7.5647           | 7.654            | 0.091577         | 7.406             | 7.499             | 7.604             | 0.099544          | -0.082    | -0.065667 | -0.05     | 0.01601   |
| 3        | 7.43             | 7.6131           | 7.724            | 0.11568          | 7.484             | 7.5428            | 7.591             | 0.041282          | -0.168    | -0.0703   | 0.054     | 0.10011   |
| 10       | 7.537            | 7.5791           | 7.627            | 0.028105         | 7.565             | 7.6055            | 7.671             | 0.034536          | -0.022    | 0.0264    | 0.044     | 0.0207    |
| 30       | 7.503            | 7.572            | 7.642            | 0.037169         | 7.536             | 7.5896            | 7.647             | 0.029938          | 0.005     | 0.0176    | 0.033     | 0.010895  |
| 50       | 7.518            | 7.6282           | 7.745            | 0.086437         | 7.52              | 7.5987            | 7.728             | 0.063019          | -0.12     | -0.0295   | 0.043     | 0.071634  |
| 100      | 7.592            | 7.7066           | 7.803            | 0.06342          | 7.491             | 7.5927            | 7.706             | 0.060174          | -0.15     | -0.1139   | -0.097    | 0.018526  |

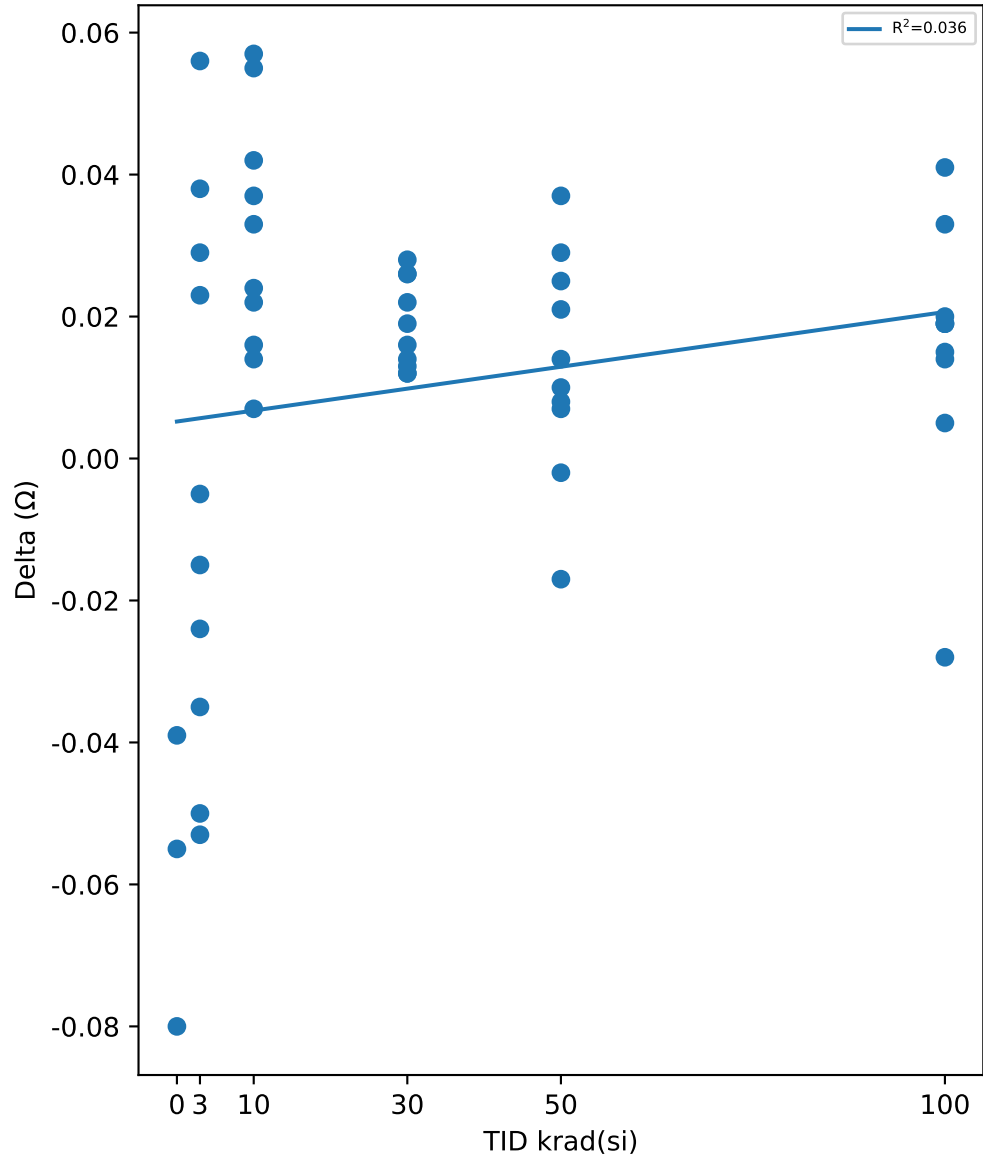
TID vs Result Stats



Test Results (Upper Limit = 20.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 7.846      | 7.766       | -0.08  |
| 301      | 0        | Correlation         | 7.788      | 7.733       | -0.055 |
| 302      | 0        | Correlation         | 7.855      | 7.816       | -0.039 |
| 303      | 3        | Bias                | 7.817      | 7.767       | -0.05  |
| 304      | 3        | Bias                | 7.874      | 7.85        | -0.024 |
| 305      | 3        | Bias                | 7.856      | 7.803       | -0.053 |
| 306      | 3        | Bias                | 7.834      | 7.799       | -0.035 |
| 307      | 3        | Bias                | 7.853      | 7.848       | -0.005 |
| 308      | 3        | Unbiased            | 7.827      | 7.812       | -0.015 |
| 309      | 3        | Unbiased            | 7.777      | 7.815       | 0.038  |
| 310      | 3        | Unbiased            | 7.807      | 7.836       | 0.029  |
| 311      | 3        | Unbiased            | 7.736      | 7.759       | 0.023  |
| 312      | 3        | Unbiased            | 7.722      | 7.778       | 0.056  |
| 313      | 10       | Bias                | 7.82       | 7.875       | 0.055  |
| 314      | 10       | Bias                | 7.856      | 7.878       | 0.022  |
| 315      | 10       | Bias                | 7.871      | 7.895       | 0.024  |
| 316      | 10       | Bias                | 7.82       | 7.877       | 0.057  |
| 317      | 10       | Bias                | 7.843      | 7.859       | 0.016  |
| 318      | 10       | Unbiased            | 7.782      | 7.815       | 0.033  |
| 319      | 10       | Unbiased            | 7.824      | 7.866       | 0.042  |
| 320      | 10       | Unbiased            | 7.824      | 7.831       | 0.007  |
| 321      | 10       | Unbiased            | 7.808      | 7.845       | 0.037  |
| 322      | 10       | Unbiased            | 7.857      | 7.871       | 0.014  |
| 323      | 30       | Bias                | 7.814      | 7.833       | 0.019  |
| 324      | 30       | Bias                | 7.839      | 7.851       | 0.012  |
| 325      | 30       | Bias                | 7.841      | 7.867       | 0.026  |
| 326      | 30       | Bias                | 7.768      | 7.794       | 0.026  |
| 327      | 30       | Bias                | 7.887      | 7.901       | 0.014  |
| 328      | 30       | Unbiased            | 7.808      | 7.821       | 0.013  |
| 329      | 30       | Unbiased            | 7.84       | 7.852       | 0.012  |
| 330      | 30       | Unbiased            | 7.832      | 7.848       | 0.016  |
| 331      | 30       | Unbiased            | 7.787      | 7.815       | 0.028  |
| 332      | 30       | Unbiased            | 7.803      | 7.825       | 0.022  |
| 333      | 50       | Bias                | 7.797      | 7.811       | 0.014  |
| 334      | 50       | Bias                | 7.846      | 7.875       | 0.029  |
| 335      | 50       | Bias                | 7.787      | 7.824       | 0.037  |
| 336      | 50       | Bias                | 7.79       | 7.811       | 0.021  |
| 337      | 50       | Bias                | 7.905      | 7.912       | 0.007  |
| 338      | 50       | Unbiased            | 7.782      | 7.807       | 0.025  |
| 339      | 50       | Unbiased            | 7.834      | 7.842       | 0.008  |
| 340      | 50       | Unbiased            | 7.819      | 7.829       | 0.01   |
| 341      | 50       | Unbiased            | 7.828      | 7.826       | -0.002 |
| 342      | 50       | Unbiased            | 7.879      | 7.862       | -0.017 |
| 343      | 100      | Bias                | 7.796      | 7.81        | 0.014  |
| 344      | 100      | Bias                | 7.823      | 7.828       | 0.005  |
| 345      | 100      | Bias                | 7.814      | 7.834       | 0.02   |
| 346      | 100      | Bias                | 7.912      | 7.884       | -0.028 |
| 347      | 100      | Bias                | 7.824      | 7.843       | 0.019  |
| 348      | 100      | Unbiased            | 7.805      | 7.838       | 0.033  |
| 349      | 100      | Unbiased            | 7.858      | 7.877       | 0.019  |
| 350      | 100      | Unbiased            | 7.813      | 7.828       | 0.015  |
| 351      | 100      | Unbiased            | 7.876      | 7.895       | 0.019  |
| 352      | 100      | Unbiased            | 7.734      | 7.775       | 0.041  |

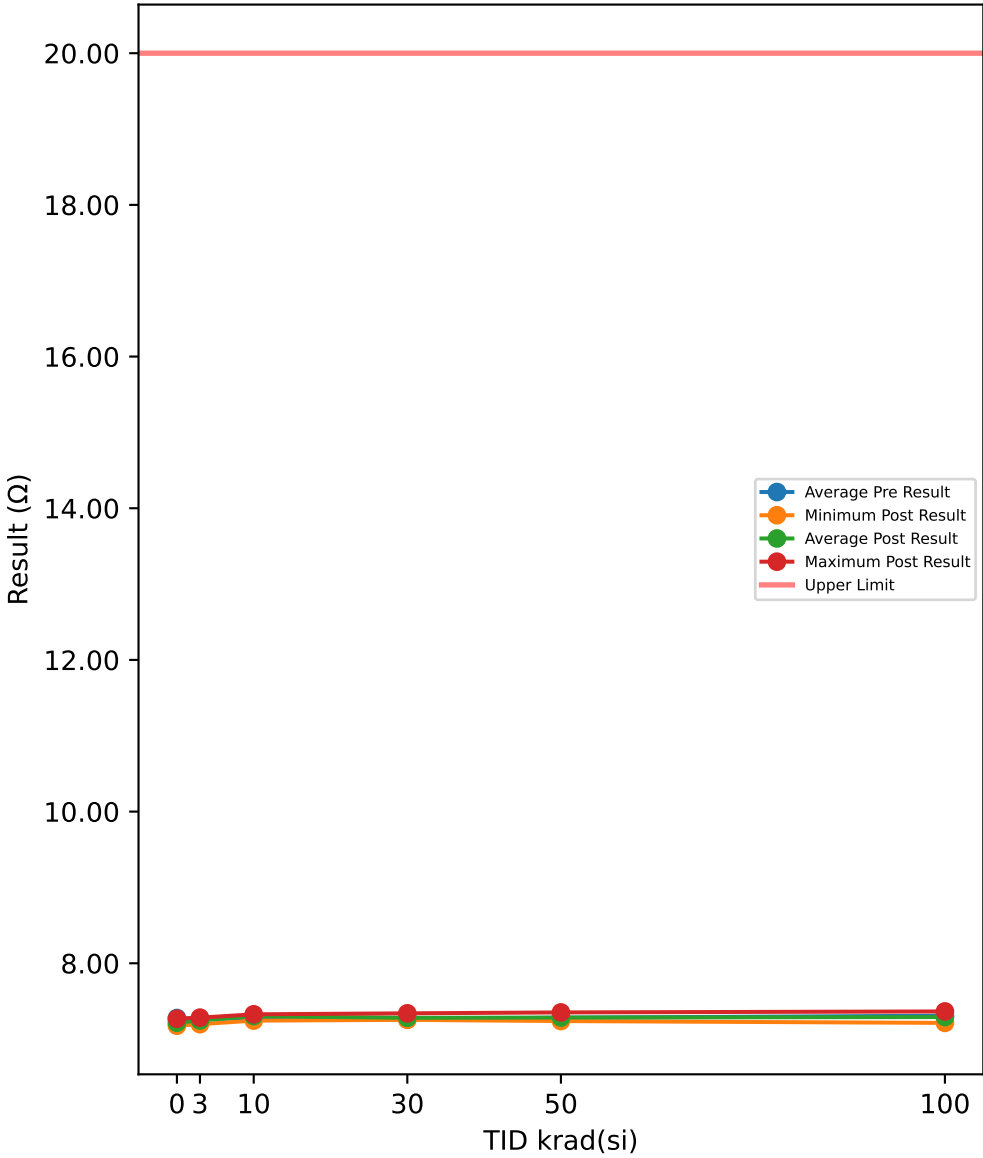
TID vs Post - Pre Exposure Delta



Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 7.788            | 7.8297           | 7.855            | 0.036364         | 7.733             | 7.7717            | 7.816             | 0.041789          | -0.08     | -0.058    | -0.039    | 0.020664  |
| 3        | 7.722            | 7.8103           | 7.874            | 0.050872         | 7.759             | 7.8067            | 7.85              | 0.032118          | -0.053    | -0.0036   | 0.056     | 0.038269  |
| 10       | 7.782            | 7.8305           | 7.871            | 0.026484         | 7.815             | 7.8612            | 7.895             | 0.024262          | 0.007     | 0.0307    | 0.057     | 0.017101  |
| 30       | 7.768            | 7.8219           | 7.887            | 0.033435         | 7.794             | 7.8407            | 7.901             | 0.030093          | 0.012     | 0.0188    | 0.028     | 0.0062858 |
| 50       | 7.782            | 7.8267           | 7.905            | 0.041037         | 7.807             | 7.8399            | 7.912             | 0.033732          | -0.017    | 0.0132    | 0.037     | 0.015761  |
| 100      | 7.734            | 7.8255           | 7.912            | 0.04836          | 7.775             | 7.8412            | 7.895             | 0.036175          | -0.028    | 0.0157    | 0.041     | 0.018312  |

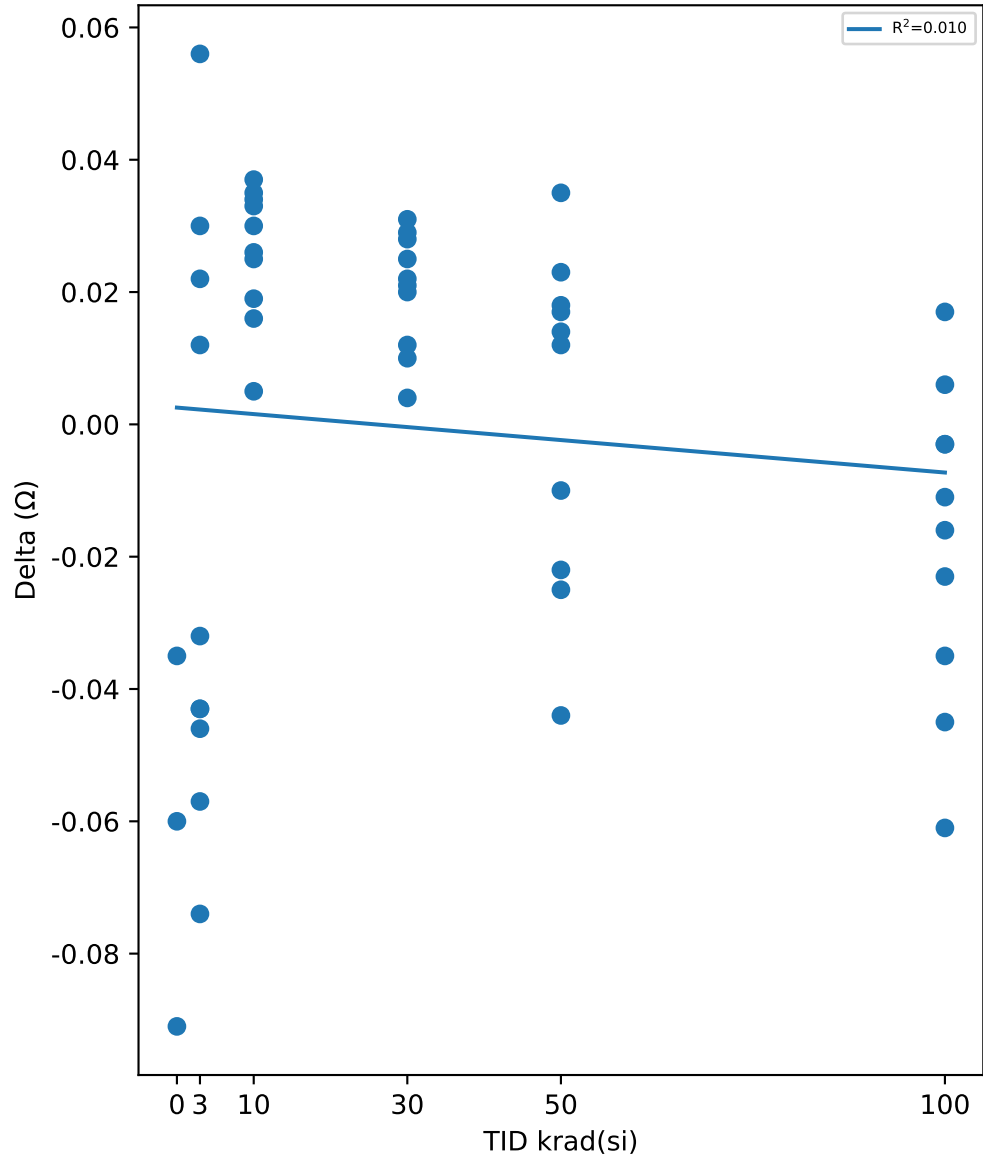
TID vs Result Stats



Test Results (Upper Limit = 20.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 7.293      | 7.202       | -0.091 |
| 301      | 0        | Correlation         | 7.237      | 7.177       | -0.06  |
| 302      | 0        | Correlation         | 7.304      | 7.269       | -0.035 |
| 303      | 3        | Bias                | 7.243      | 7.197       | -0.046 |
| 304      | 3        | Bias                | 7.328      | 7.271       | -0.057 |
| 305      | 3        | Bias                | 7.275      | 7.232       | -0.043 |
| 306      | 3        | Bias                | 7.328      | 7.254       | -0.074 |
| 307      | 3        | Bias                | 7.298      | 7.255       | -0.043 |
| 308      | 3        | Unbiased            | 7.293      | 7.261       | -0.032 |
| 309      | 3        | Unbiased            | 7.242      | 7.264       | 0.022  |
| 310      | 3        | Unbiased            | 7.253      | 7.283       | 0.03   |
| 311      | 3        | Unbiased            | 7.206      | 7.218       | 0.012  |
| 312      | 3        | Unbiased            | 7.167      | 7.223       | 0.056  |
| 313      | 10       | Bias                | 7.258      | 7.292       | 0.034  |
| 314      | 10       | Bias                | 7.276      | 7.311       | 0.035  |
| 315      | 10       | Bias                | 7.308      | 7.327       | 0.019  |
| 316      | 10       | Bias                | 7.282      | 7.319       | 0.037  |
| 317      | 10       | Bias                | 7.27       | 7.3         | 0.03   |
| 318      | 10       | Unbiased            | 7.218      | 7.244       | 0.026  |
| 319      | 10       | Unbiased            | 7.274      | 7.307       | 0.033  |
| 320      | 10       | Unbiased            | 7.3        | 7.305       | 0.005  |
| 321      | 10       | Unbiased            | 7.292      | 7.317       | 0.025  |
| 322      | 10       | Unbiased            | 7.296      | 7.312       | 0.016  |
| 323      | 30       | Bias                | 7.239      | 7.26        | 0.021  |
| 324      | 30       | Bias                | 7.289      | 7.311       | 0.022  |
| 325      | 30       | Bias                | 7.289      | 7.314       | 0.025  |
| 326      | 30       | Bias                | 7.227      | 7.258       | 0.031  |
| 327      | 30       | Bias                | 7.336      | 7.34        | 0.004  |
| 328      | 30       | Unbiased            | 7.251      | 7.263       | 0.012  |
| 329      | 30       | Unbiased            | 7.248      | 7.276       | 0.028  |
| 330      | 30       | Unbiased            | 7.253      | 7.263       | 0.01   |
| 331      | 30       | Unbiased            | 7.225      | 7.254       | 0.029  |
| 332      | 30       | Unbiased            | 7.248      | 7.268       | 0.02   |
| 333      | 50       | Bias                | 7.232      | 7.246       | 0.014  |
| 334      | 50       | Bias                | 7.321      | 7.333       | 0.012  |
| 335      | 50       | Bias                | 7.246      | 7.281       | 0.035  |
| 336      | 50       | Bias                | 7.221      | 7.238       | 0.017  |
| 337      | 50       | Bias                | 7.334      | 7.352       | 0.018  |
| 338      | 50       | Unbiased            | 7.245      | 7.268       | 0.023  |
| 339      | 50       | Unbiased            | 7.301      | 7.279       | -0.022 |
| 340      | 50       | Unbiased            | 7.301      | 7.276       | -0.025 |
| 341      | 50       | Unbiased            | 7.249      | 7.239       | -0.01  |
| 342      | 50       | Unbiased            | 7.377      | 7.333       | -0.044 |
| 343      | 100      | Bias                | 7.267      | 7.264       | -0.003 |
| 344      | 100      | Bias                | 7.314      | 7.269       | -0.045 |
| 345      | 100      | Bias                | 7.271      | 7.268       | -0.003 |
| 346      | 100      | Bias                | 7.399      | 7.338       | -0.061 |
| 347      | 100      | Bias                | 7.305      | 7.294       | -0.011 |
| 348      | 100      | Unbiased            | 7.26       | 7.266       | 0.006  |
| 349      | 100      | Unbiased            | 7.371      | 7.348       | -0.023 |
| 350      | 100      | Unbiased            | 7.299      | 7.283       | -0.016 |
| 351      | 100      | Unbiased            | 7.4        | 7.365       | -0.035 |
| 352      | 100      | Unbiased            | 7.197      | 7.214       | 0.017  |

TID vs Post - Pre Exposure Delta

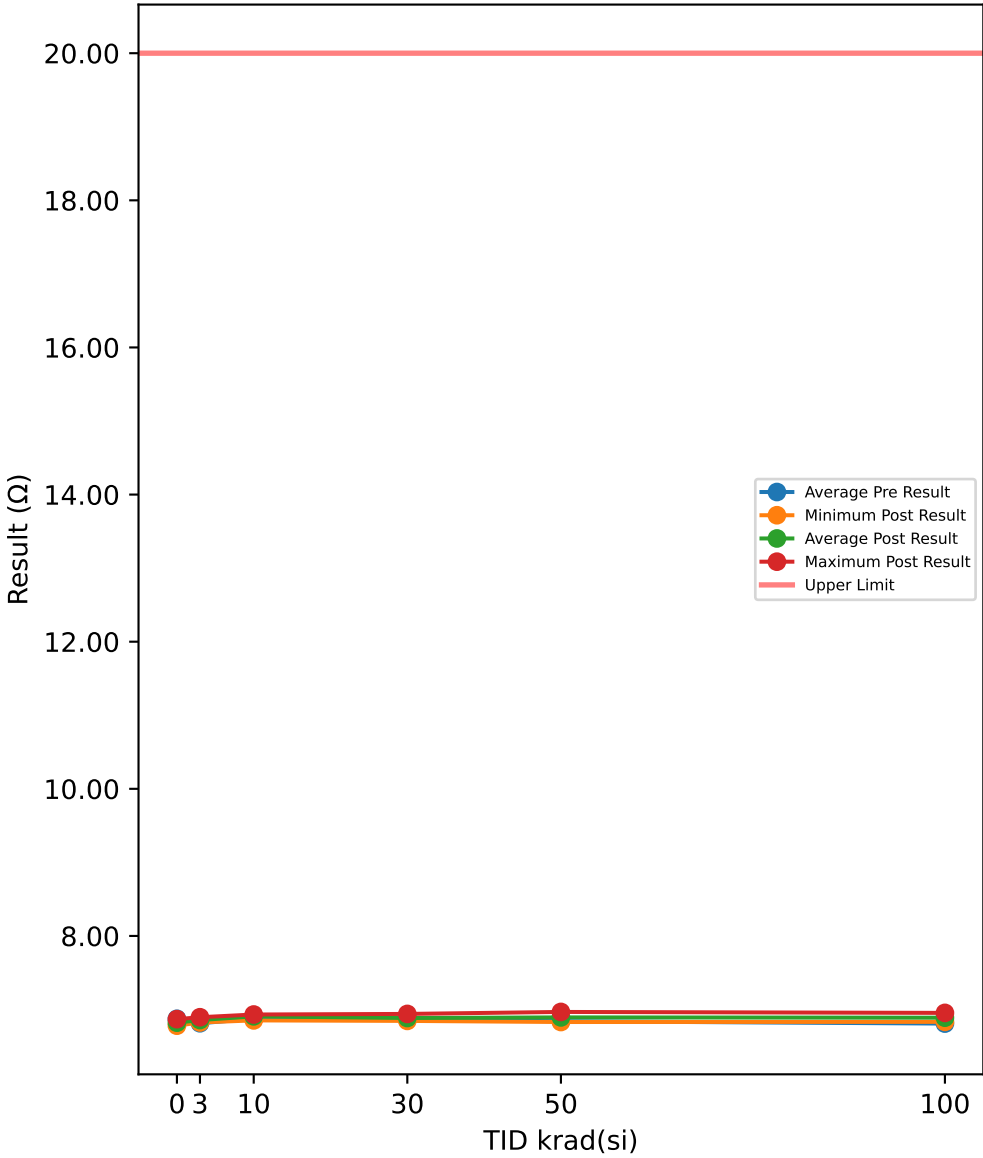


Test Statistics (Ω)

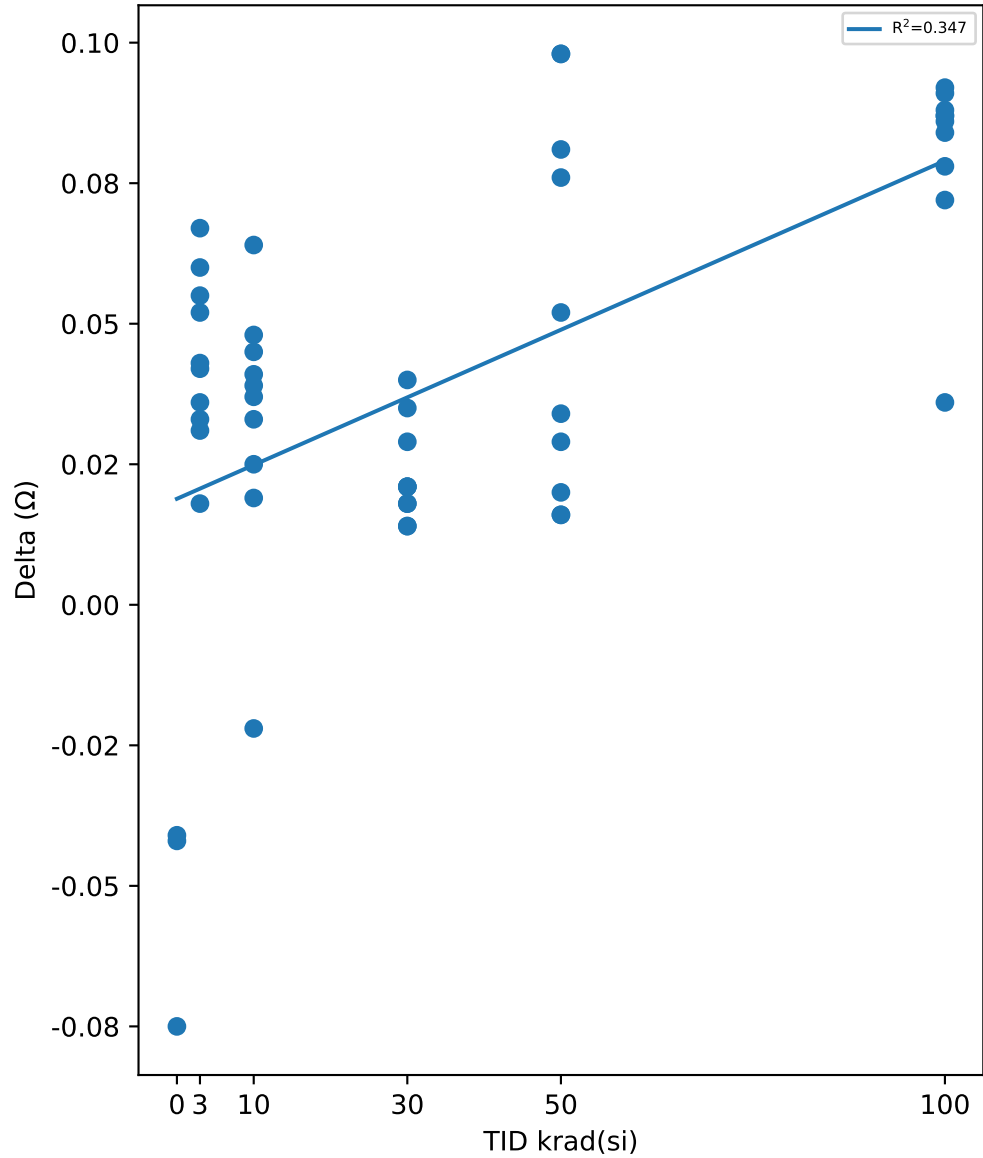
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 7.237            | 7.278            | 7.304            | 0.03593          | 7.177             | 7.216             | 7.269             | 0.047571          | -0.091    | -0.062    | -0.035    | 0.028054  |
| 3        | 7.167            | 7.2633           | 7.328            | 0.051773         | 7.197             | 7.2458            | 7.283             | 0.027075          | -0.074    | -0.0175   | 0.056     | 0.043671  |
| 10       | 7.218            | 7.2774           | 7.308            | 0.025821         | 7.244             | 7.3034            | 7.327             | 0.0231            | 0.005     | 0.026     | 0.037     | 0.010121  |
| 30       | 7.225            | 7.2605           | 7.336            | 0.034365         | 7.254             | 7.2807            | 7.34              | 0.029833          | 0.004     | 0.0202    | 0.031     | 0.0089169 |
| 50       | 7.221            | 7.2827           | 7.377            | 0.051577         | 7.238             | 7.2845            | 7.352             | 0.041315          | -0.044    | 0.0018    | 0.035     | 0.025429  |
| 100      | 7.197            | 7.3083           | 7.4              | 0.065417         | 7.214             | 7.2909            | 7.365             | 0.046312          | -0.061    | -0.0174   | 0.017     | 0.024019  |



TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 20.0 (Ω))

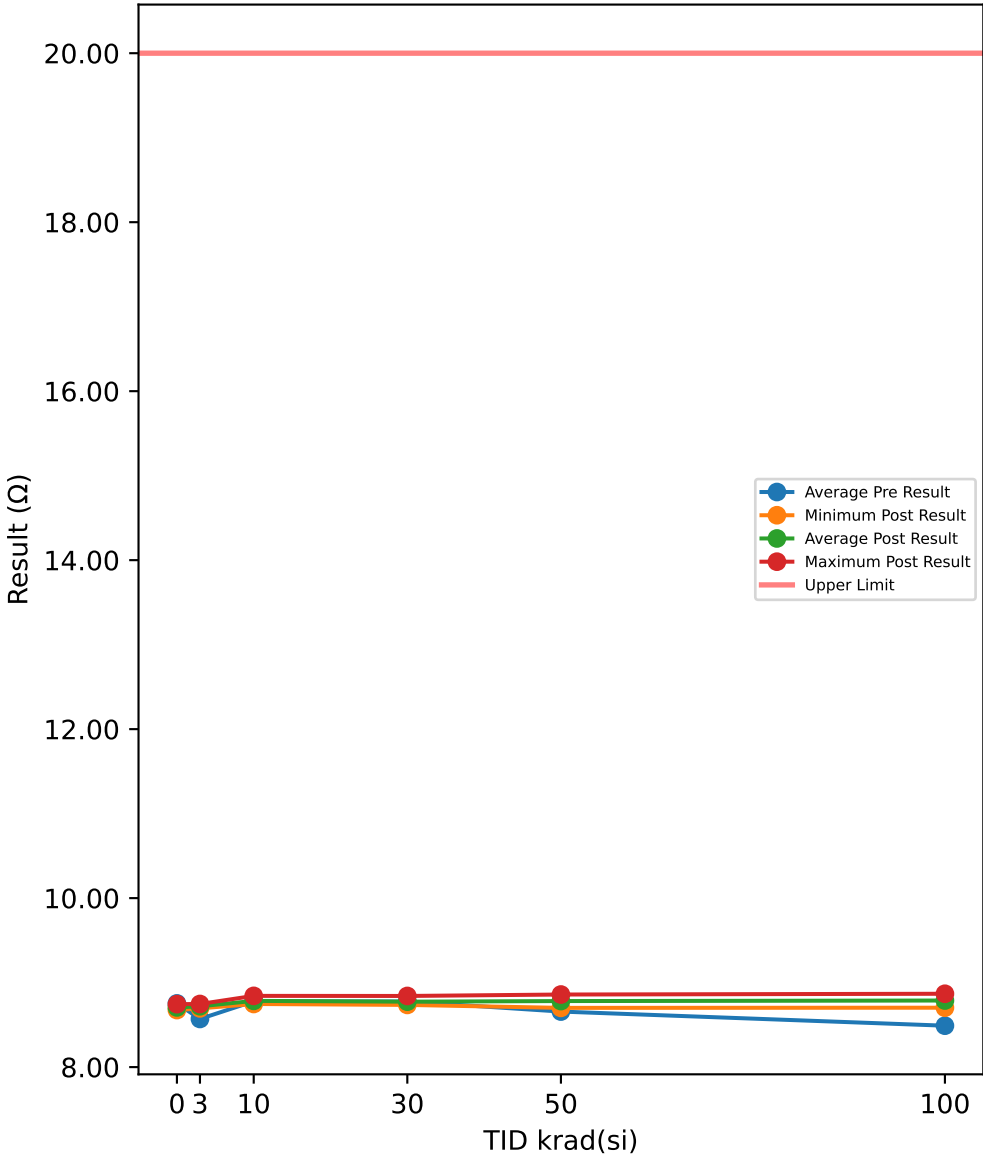
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 6.889      | 6.814       | -0.075 |
| 301      | 0        | Correlation         | 6.821      | 6.78        | -0.041 |
| 302      | 0        | Correlation         | 6.911      | 6.869       | -0.042 |
| 303      | 3        | Bias                | 6.805      | 6.836       | 0.031  |
| 304      | 3        | Bias                | 6.822      | 6.874       | 0.052  |
| 305      | 3        | Bias                | 6.797      | 6.839       | 0.042  |
| 306      | 3        | Bias                | 6.817      | 6.853       | 0.036  |
| 307      | 3        | Bias                | 6.84       | 6.895       | 0.055  |
| 308      | 3        | Unbiased            | 6.816      | 6.876       | 0.06   |
| 309      | 3        | Unbiased            | 6.82       | 6.853       | 0.033  |
| 310      | 3        | Unbiased            | 6.835      | 6.878       | 0.043  |
| 311      | 3        | Unbiased            | 6.806      | 6.824       | 0.018  |
| 312      | 3        | Unbiased            | 6.773      | 6.84        | 0.067  |
| 313      | 10       | Bias                | 6.847      | 6.895       | 0.048  |
| 314      | 10       | Bias                | 6.868      | 6.909       | 0.041  |
| 315      | 10       | Bias                | 6.903      | 6.928       | 0.025  |
| 316      | 10       | Bias                | 6.86       | 6.905       | 0.045  |
| 317      | 10       | Bias                | 6.902      | 6.921       | 0.019  |
| 318      | 10       | Unbiased            | 6.815      | 6.852       | 0.037  |
| 319      | 10       | Unbiased            | 6.878      | 6.917       | 0.039  |
| 320      | 10       | Unbiased            | 6.909      | 6.887       | -0.022 |
| 321      | 10       | Unbiased            | 6.868      | 6.932       | 0.064  |
| 322      | 10       | Unbiased            | 6.894      | 6.927       | 0.033  |
| 323      | 30       | Bias                | 6.845      | 6.866       | 0.021  |
| 324      | 30       | Bias                | 6.869      | 6.89        | 0.021  |
| 325      | 30       | Bias                | 6.9        | 6.94        | 0.04   |
| 326      | 30       | Bias                | 6.816      | 6.845       | 0.029  |
| 327      | 30       | Bias                | 6.908      | 6.922       | 0.014  |
| 328      | 30       | Unbiased            | 6.864      | 6.882       | 0.018  |
| 329      | 30       | Unbiased            | 6.865      | 6.883       | 0.018  |
| 330      | 30       | Unbiased            | 6.839      | 6.853       | 0.014  |
| 331      | 30       | Unbiased            | 6.856      | 6.877       | 0.021  |
| 332      | 30       | Unbiased            | 6.853      | 6.888       | 0.035  |
| 333      | 50       | Bias                | 6.817      | 6.833       | 0.016  |
| 334      | 50       | Bias                | 6.938      | 6.967       | 0.029  |
| 335      | 50       | Bias                | 6.852      | 6.886       | 0.034  |
| 336      | 50       | Bias                | 6.814      | 6.83        | 0.016  |
| 337      | 50       | Bias                | 6.93       | 6.95        | 0.02   |
| 338      | 50       | Unbiased            | 6.834      | 6.886       | 0.052  |
| 339      | 50       | Unbiased            | 6.797      | 6.895       | 0.098  |
| 340      | 50       | Unbiased            | 6.796      | 6.894       | 0.098  |
| 341      | 50       | Unbiased            | 6.793      | 6.874       | 0.081  |
| 342      | 50       | Unbiased            | 6.837      | 6.913       | 0.076  |
| 343      | 100      | Bias                | 6.775      | 6.853       | 0.078  |
| 344      | 100      | Bias                | 6.819      | 6.891       | 0.072  |
| 345      | 100      | Bias                | 6.77       | 6.856       | 0.086  |
| 346      | 100      | Bias                | 6.886      | 6.922       | 0.036  |
| 347      | 100      | Bias                | 6.792      | 6.88        | 0.088  |
| 348      | 100      | Unbiased            | 6.796      | 6.887       | 0.091  |
| 349      | 100      | Unbiased            | 6.85       | 6.937       | 0.087  |
| 350      | 100      | Unbiased            | 6.791      | 6.875       | 0.084  |
| 351      | 100      | Unbiased            | 6.862      | 6.954       | 0.092  |
| 352      | 100      | Unbiased            | 6.745      | 6.832       | 0.087  |

Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 6.821            | 6.8737           | 6.911            | 0.046918         | 6.78              | 6.821             | 6.869             | 0.044911          | -0.075    | -0.052667 | -0.041    | 0.019348  |
| 3        | 6.773            | 6.8131           | 6.84             | 0.019255         | 6.824             | 6.8568            | 6.895             | 0.022876          | 0.018     | 0.0437    | 0.067     | 0.014922  |
| 10       | 6.815            | 6.8744           | 6.909            | 0.02933          | 6.852             | 6.9073            | 6.932             | 0.024354          | -0.022    | 0.0329    | 0.064     | 0.022927  |
| 30       | 6.816            | 6.8615           | 6.908            | 0.027224         | 6.845             | 6.8846            | 6.94              | 0.028845          | 0.014     | 0.0231    | 0.04      | 0.0087743 |
| 50       | 6.793            | 6.8408           | 6.938            | 0.052795         | 6.83              | 6.8928            | 6.967             | 0.043662          | 0.016     | 0.052     | 0.098     | 0.033529  |
| 100      | 6.745            | 6.8086           | 6.886            | 0.044811         | 6.832             | 6.8887            | 6.954             | 0.038782          | 0.036     | 0.0801    | 0.092     | 0.01661   |

Device Test: 18.16 ; PWRGD\_RPMOS\_HIGH\_V

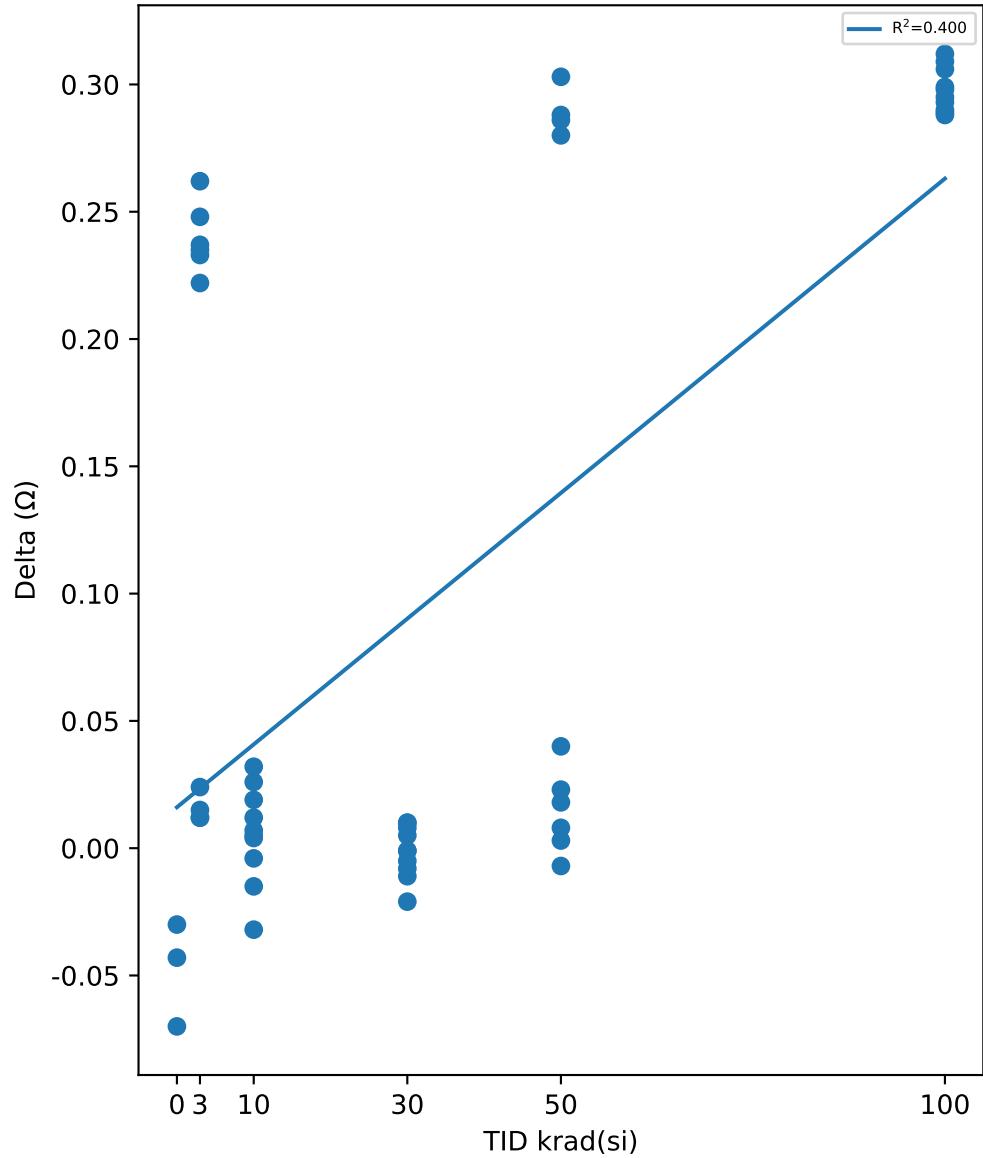
TID vs Result Stats



Test Results (Upper Limit = 20.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 8.745      | 8.675       | -0.07  |
| 301      | 0        | Correlation         | 8.742      | 8.699       | -0.043 |
| 302      | 0        | Correlation         | 8.775      | 8.745       | -0.03  |
| 303      | 3        | Bias                | 8.44       | 8.702       | 0.262  |
| 304      | 3        | Bias                | 8.525      | 8.747       | 0.222  |
| 305      | 3        | Bias                | 8.467      | 8.704       | 0.237  |
| 306      | 3        | Bias                | 8.466      | 8.699       | 0.233  |
| 307      | 3        | Bias                | 8.497      | 8.745       | 0.248  |
| 308      | 3        | Unbiased            | 8.473      | 8.708       | 0.235  |
| 309      | 3        | Unbiased            | 8.726      | 8.738       | 0.012  |
| 310      | 3        | Unbiased            | 8.731      | 8.743       | 0.012  |
| 311      | 3        | Unbiased            | 8.68       | 8.695       | 0.015  |
| 312      | 3        | Unbiased            | 8.693      | 8.717       | 0.024  |
| 313      | 10       | Bias                | 8.756      | 8.752       | -0.004 |
| 314      | 10       | Bias                | 8.749      | 8.754       | 0.005  |
| 315      | 10       | Bias                | 8.774      | 8.781       | 0.007  |
| 316      | 10       | Bias                | 8.858      | 8.843       | -0.015 |
| 317      | 10       | Bias                | 8.782      | 8.794       | 0.012  |
| 318      | 10       | Unbiased            | 8.744      | 8.77        | 0.026  |
| 319      | 10       | Unbiased            | 8.743      | 8.747       | 0.004  |
| 320      | 10       | Unbiased            | 8.8        | 8.768       | -0.032 |
| 321      | 10       | Unbiased            | 8.772      | 8.804       | 0.032  |
| 322      | 10       | Unbiased            | 8.806      | 8.825       | 0.019  |
| 323      | 30       | Bias                | 8.763      | 8.773       | 0.01   |
| 324      | 30       | Bias                | 8.745      | 8.755       | 0.01   |
| 325      | 30       | Bias                | 8.796      | 8.804       | 0.008  |
| 326      | 30       | Bias                | 8.756      | 8.751       | -0.005 |
| 327      | 30       | Bias                | 8.863      | 8.842       | -0.021 |
| 328      | 30       | Unbiased            | 8.74       | 8.745       | 0.005  |
| 329      | 30       | Unbiased            | 8.797      | 8.789       | -0.008 |
| 330      | 30       | Unbiased            | 8.762      | 8.761       | -0.001 |
| 331      | 30       | Unbiased            | 8.747      | 8.736       | -0.011 |
| 332      | 30       | Unbiased            | 8.79       | 8.789       | -0.001 |
| 333      | 50       | Bias                | 8.761      | 8.764       | 0.003  |
| 334      | 50       | Bias                | 8.815      | 8.823       | 0.008  |
| 335      | 50       | Bias                | 8.74       | 8.758       | 0.018  |
| 336      | 50       | Bias                | 8.726      | 8.749       | 0.023  |
| 337      | 50       | Bias                | 8.819      | 8.859       | 0.04   |
| 338      | 50       | Unbiased            | 8.799      | 8.792       | -0.007 |
| 339      | 50       | Unbiased            | 8.421      | 8.701       | 0.28   |
| 340      | 50       | Unbiased            | 8.524      | 8.81        | 0.286  |
| 341      | 50       | Unbiased            | 8.46       | 8.763       | 0.303  |
| 342      | 50       | Unbiased            | 8.508      | 8.796       | 0.288  |
| 343      | 100      | Bias                | 8.45       | 8.749       | 0.299  |
| 344      | 100      | Bias                | 8.479      | 8.767       | 0.288  |
| 345      | 100      | Bias                | 8.491      | 8.786       | 0.295  |
| 346      | 100      | Bias                | 8.514      | 8.823       | 0.309  |
| 347      | 100      | Bias                | 8.487      | 8.793       | 0.306  |
| 348      | 100      | Unbiased            | 8.48       | 8.792       | 0.312  |
| 349      | 100      | Unbiased            | 8.57       | 8.868       | 0.298  |
| 350      | 100      | Unbiased            | 8.483      | 8.773       | 0.29   |
| 351      | 100      | Unbiased            | 8.537      | 8.826       | 0.289  |
| 352      | 100      | Unbiased            | 8.41       | 8.703       | 0.293  |

TID vs Post - Pre Exposure Delta

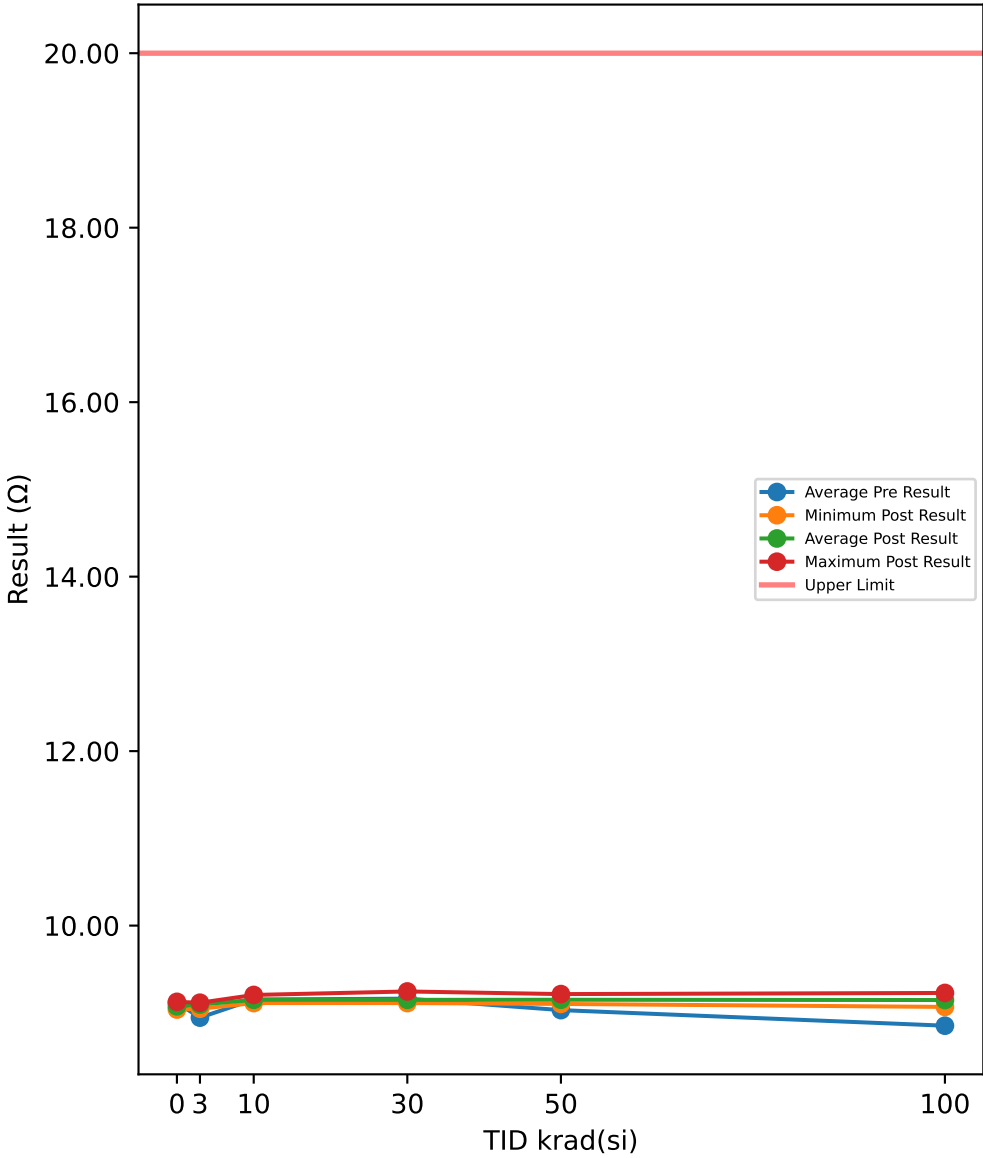


Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 8.742            | 8.754            | 8.775            | 0.018248         | 8.675             | 8.7063            | 8.745             | 0.035572          | -0.07     | -0.047667 | -0.03     | 0.020404  |
| 3        | 8.44             | 8.5698           | 8.731            | 0.12137          | 8.695             | 8.7198            | 8.747             | 0.021097          | 0.012     | 0.15      | 0.262     | 0.11605   |
| 10       | 8.743            | 8.7784           | 8.858            | 0.035653         | 8.747             | 8.7838            | 8.843             | 0.032345          | -0.032    | 0.0054    | 0.032     | 0.019057  |
| 30       | 8.74             | 8.7759           | 8.863            | 0.037221         | 8.736             | 8.7745            | 8.842             | 0.032174          | -0.021    | -0.0014   | 0.01      | 0.010124  |
| 50       | 8.421            | 8.6573           | 8.819            | 0.15925          | 8.701             | 8.7815            | 8.859             | 0.04422           | -0.007    | 0.1242    | 0.303     | 0.1427    |
| 100      | 8.41             | 8.4901           | 8.57             | 0.044052         | 8.703             | 8.788             | 8.868             | 0.04537           | 0.288     | 0.2979    | 0.312     | 0.0085693 |

Device Test: 18.17 ; WDO\_RPMOS\_HIGH\_V

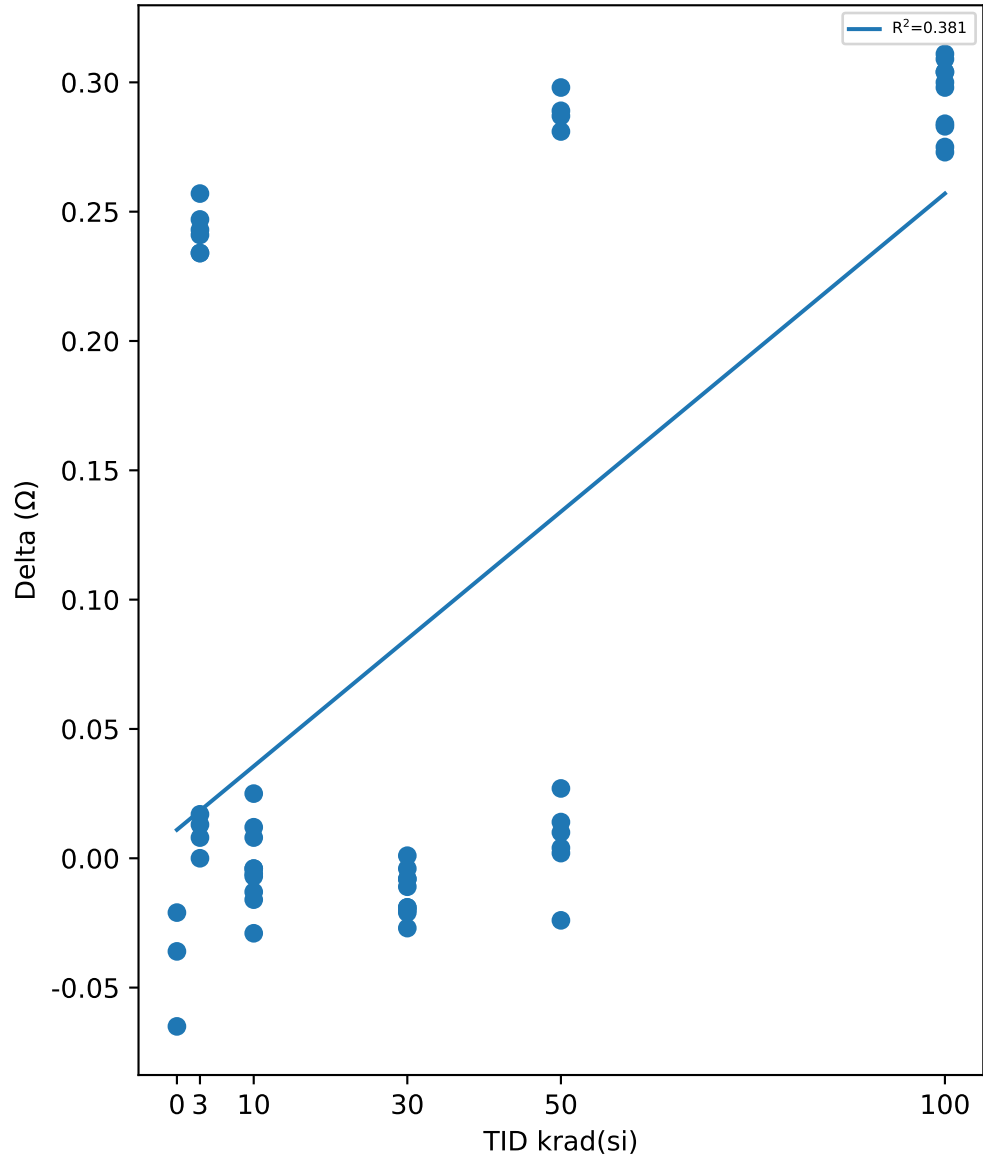
TID vs Result Stats



Test Results (Upper Limit = 20.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 9.103      | 9.038       | -0.065 |
| 301      | 0        | Correlation         | 9.095      | 9.059       | -0.036 |
| 302      | 0        | Correlation         | 9.147      | 9.126       | -0.021 |
| 303      | 3        | Bias                | 8.852      | 9.109       | 0.257  |
| 304      | 3        | Bias                | 8.872      | 9.115       | 0.243  |
| 305      | 3        | Bias                | 8.849      | 9.083       | 0.234  |
| 306      | 3        | Bias                | 8.806      | 9.047       | 0.241  |
| 307      | 3        | Bias                | 8.87       | 9.104       | 0.234  |
| 308      | 3        | Unbiased            | 8.869      | 9.116       | 0.247  |
| 309      | 3        | Unbiased            | 9.103      | 9.103       | 0      |
| 310      | 3        | Unbiased            | 9.085      | 9.093       | 0.008  |
| 311      | 3        | Unbiased            | 9.074      | 9.091       | 0.017  |
| 312      | 3        | Unbiased            | 9.072      | 9.085       | 0.013  |
| 313      | 10       | Bias                | 9.127      | 9.121       | -0.006 |
| 314      | 10       | Bias                | 9.132      | 9.14        | 0.008  |
| 315      | 10       | Bias                | 9.173      | 9.166       | -0.007 |
| 316      | 10       | Bias                | 9.221      | 9.205       | -0.016 |
| 317      | 10       | Bias                | 9.177      | 9.173       | -0.004 |
| 318      | 10       | Unbiased            | 9.119      | 9.131       | 0.012  |
| 319      | 10       | Unbiased            | 9.125      | 9.112       | -0.013 |
| 320      | 10       | Unbiased            | 9.151      | 9.122       | -0.029 |
| 321      | 10       | Unbiased            | 9.127      | 9.152       | 0.025  |
| 322      | 10       | Unbiased            | 9.178      | 9.174       | -0.004 |
| 323      | 30       | Bias                | 9.158      | 9.138       | -0.02  |
| 324      | 30       | Bias                | 9.153      | 9.142       | -0.011 |
| 325      | 30       | Bias                | 9.156      | 9.157       | 0.001  |
| 326      | 30       | Bias                | 9.127      | 9.119       | -0.008 |
| 327      | 30       | Bias                | 9.272      | 9.245       | -0.027 |
| 328      | 30       | Unbiased            | 9.14       | 9.119       | -0.021 |
| 329      | 30       | Unbiased            | 9.155      | 9.136       | -0.019 |
| 330      | 30       | Unbiased            | 9.167      | 9.163       | -0.004 |
| 331      | 30       | Unbiased            | 9.131      | 9.112       | -0.019 |
| 332      | 30       | Unbiased            | 9.167      | 9.159       | -0.008 |
| 333      | 50       | Bias                | 9.133      | 9.135       | 0.002  |
| 334      | 50       | Bias                | 9.162      | 9.172       | 0.01   |
| 335      | 50       | Bias                | 9.108      | 9.122       | 0.014  |
| 336      | 50       | Bias                | 9.101      | 9.105       | 0.004  |
| 337      | 50       | Bias                | 9.188      | 9.215       | 0.027  |
| 338      | 50       | Unbiased            | 9.191      | 9.167       | -0.024 |
| 339      | 50       | Unbiased            | 8.813      | 9.102       | 0.289  |
| 340      | 50       | Unbiased            | 8.896      | 9.183       | 0.287  |
| 341      | 50       | Unbiased            | 8.818      | 9.116       | 0.298  |
| 342      | 50       | Unbiased            | 8.903      | 9.184       | 0.281  |
| 343      | 100      | Bias                | 8.823      | 9.127       | 0.304  |
| 344      | 100      | Bias                | 8.84       | 9.113       | 0.273  |
| 345      | 100      | Bias                | 8.836      | 9.136       | 0.3    |
| 346      | 100      | Bias                | 8.906      | 9.181       | 0.275  |
| 347      | 100      | Bias                | 8.831      | 9.135       | 0.304  |
| 348      | 100      | Unbiased            | 8.847      | 9.158       | 0.311  |
| 349      | 100      | Unbiased            | 8.945      | 9.228       | 0.283  |
| 350      | 100      | Unbiased            | 8.843      | 9.141       | 0.298  |
| 351      | 100      | Unbiased            | 8.897      | 9.181       | 0.284  |
| 352      | 100      | Unbiased            | 8.759      | 9.068       | 0.309  |

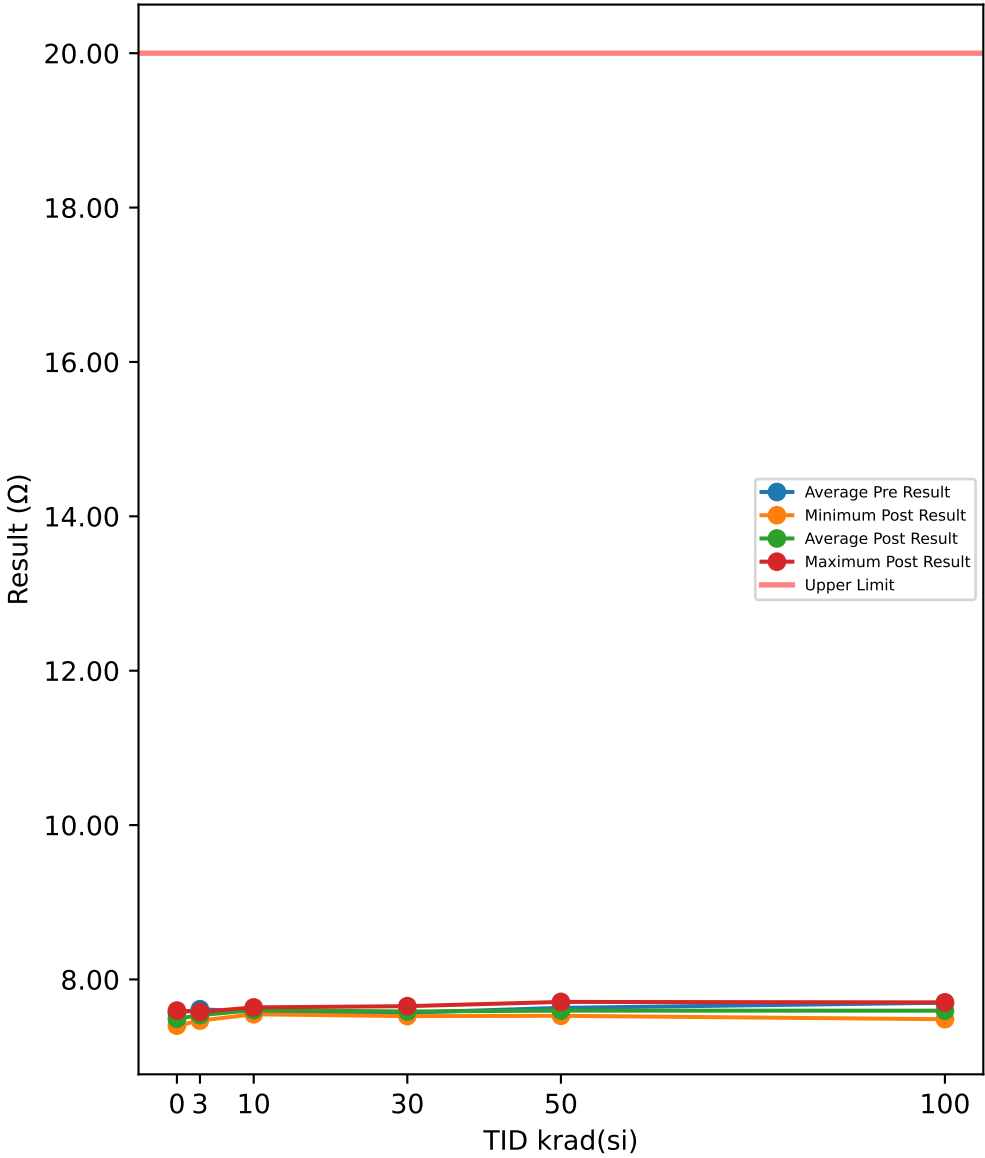
TID vs Post - Pre Exposure Delta



Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 9.095            | 9.115            | 9.147            | 0.028            | 9.038             | 9.0743            | 9.126             | 0.04596           | -0.065    | -0.040667 | -0.021    | 0.022368  |
| 3        | 8.806            | 8.9452           | 9.103            | 0.12076          | 9.047             | 9.0946            | 9.116             | 0.020408          | 0         | 0.1494    | 0.257     | 0.12065   |
| 10       | 9.119            | 9.153            | 9.221            | 0.03327          | 9.112             | 9.1496            | 9.205             | 0.029662          | -0.029    | -0.0034   | 0.025     | 0.015277  |
| 30       | 9.127            | 9.1626           | 9.272            | 0.040823         | 9.112             | 9.149             | 9.245             | 0.038128          | -0.027    | -0.0136   | 0.001     | 0.0088719 |
| 50       | 8.813            | 9.0313           | 9.191            | 0.15497          | 9.102             | 9.1501            | 9.215             | 0.039068          | -0.024    | 0.1188    | 0.298     | 0.14687   |
| 100      | 8.759            | 8.8527           | 8.945            | 0.051664         | 9.068             | 9.1468            | 9.228             | 0.043578          | 0.273     | 0.2941    | 0.311     | 0.014098  |

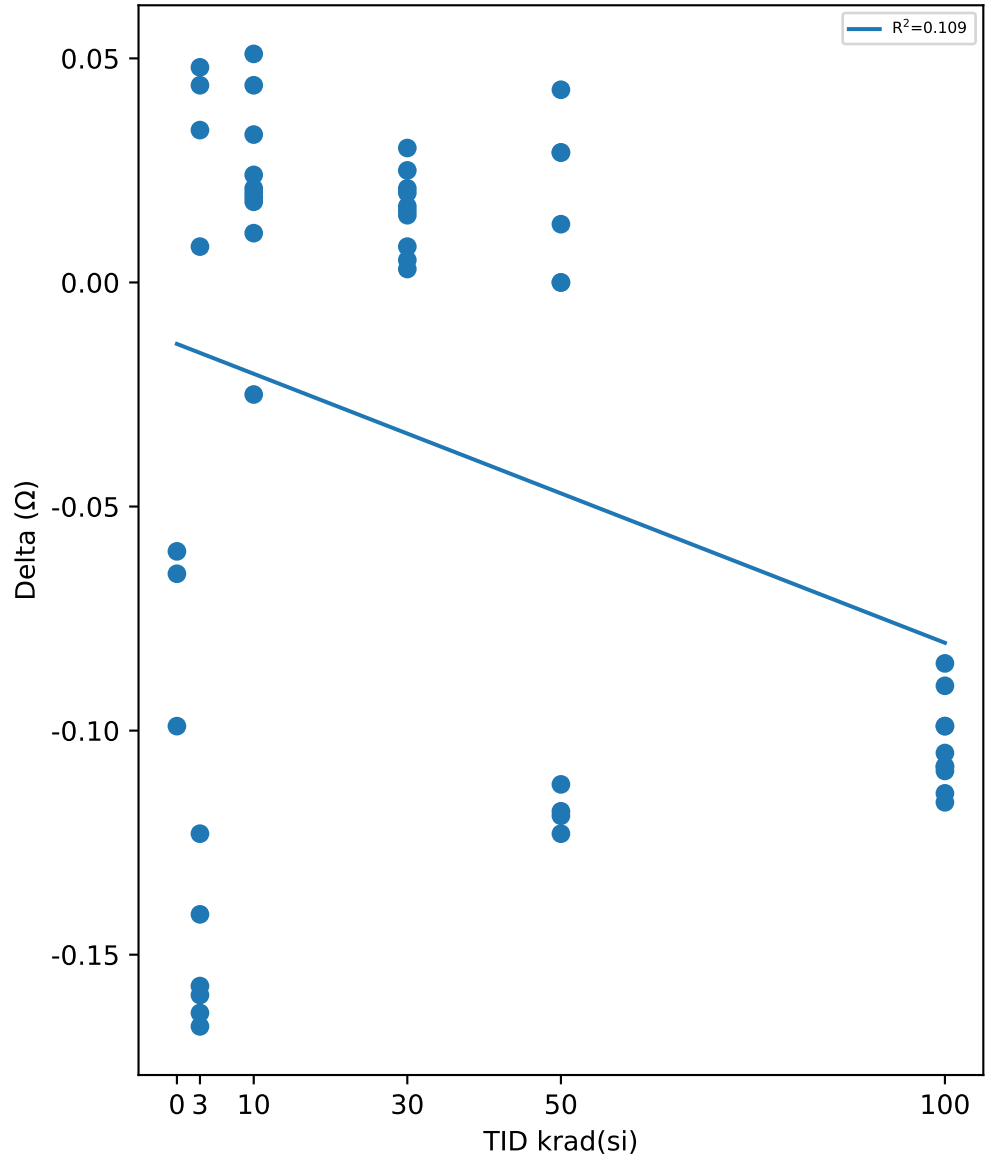
TID vs Result Stats



Test Results (Upper Limit = 20.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 7.573      | 7.474       | -0.099 |
| 301      | 0        | Correlation         | 7.461      | 7.401       | -0.06  |
| 302      | 0        | Correlation         | 7.662      | 7.597       | -0.065 |
| 303      | 3        | Bias                | 7.662      | 7.503       | -0.159 |
| 304      | 3        | Bias                | 7.703      | 7.562       | -0.141 |
| 305      | 3        | Bias                | 7.705      | 7.548       | -0.157 |
| 306      | 3        | Bias                | 7.691      | 7.525       | -0.166 |
| 307      | 3        | Bias                | 7.729      | 7.566       | -0.163 |
| 308      | 3        | Unbiased            | 7.699      | 7.576       | -0.123 |
| 309      | 3        | Unbiased            | 7.525      | 7.559       | 0.034  |
| 310      | 3        | Unbiased            | 7.535      | 7.579       | 0.044  |
| 311      | 3        | Unbiased            | 7.459      | 7.467       | 0.008  |
| 312      | 3        | Unbiased            | 7.441      | 7.489       | 0.048  |
| 313      | 10       | Bias                | 7.571      | 7.615       | 0.044  |
| 314      | 10       | Bias                | 7.613      | 7.637       | 0.024  |
| 315      | 10       | Bias                | 7.627      | 7.638       | 0.011  |
| 316      | 10       | Bias                | 7.574      | 7.625       | 0.051  |
| 317      | 10       | Bias                | 7.616      | 7.634       | 0.018  |
| 318      | 10       | Unbiased            | 7.563      | 7.596       | 0.033  |
| 319      | 10       | Unbiased            | 7.53       | 7.549       | 0.019  |
| 320      | 10       | Unbiased            | 7.585      | 7.56        | -0.025 |
| 321      | 10       | Unbiased            | 7.569      | 7.59        | 0.021  |
| 322      | 10       | Unbiased            | 7.563      | 7.583       | 0.02   |
| 323      | 30       | Bias                | 7.585      | 7.606       | 0.021  |
| 324      | 30       | Bias                | 7.573      | 7.578       | 0.005  |
| 325      | 30       | Bias                | 7.634      | 7.654       | 0.02   |
| 326      | 30       | Bias                | 7.51       | 7.525       | 0.015  |
| 327      | 30       | Bias                | 7.579      | 7.604       | 0.025  |
| 328      | 30       | Unbiased            | 7.553      | 7.583       | 0.03   |
| 329      | 30       | Unbiased            | 7.57       | 7.578       | 0.008  |
| 330      | 30       | Unbiased            | 7.589      | 7.592       | 0.003  |
| 331      | 30       | Unbiased            | 7.535      | 7.551       | 0.016  |
| 332      | 30       | Unbiased            | 7.565      | 7.582       | 0.017  |
| 333      | 50       | Bias                | 7.562      | 7.575       | 0.013  |
| 334      | 50       | Bias                | 7.648      | 7.648       | 0      |
| 335      | 50       | Bias                | 7.525      | 7.554       | 0.029  |
| 336      | 50       | Bias                | 7.523      | 7.552       | 0.029  |
| 337      | 50       | Bias                | 7.709      | 7.709       | 0      |
| 338      | 50       | Unbiased            | 7.544      | 7.587       | 0.043  |
| 339      | 50       | Unbiased            | 7.697      | 7.579       | -0.118 |
| 340      | 50       | Unbiased            | 7.74       | 7.628       | -0.112 |
| 341      | 50       | Unbiased            | 7.652      | 7.529       | -0.123 |
| 342      | 50       | Unbiased            | 7.717      | 7.598       | -0.119 |
| 343      | 100      | Bias                | 7.678      | 7.562       | -0.116 |
| 344      | 100      | Bias                | 7.695      | 7.596       | -0.099 |
| 345      | 100      | Bias                | 7.665      | 7.556       | -0.109 |
| 346      | 100      | Bias                | 7.762      | 7.654       | -0.108 |
| 347      | 100      | Bias                | 7.73       | 7.616       | -0.114 |
| 348      | 100      | Unbiased            | 7.675      | 7.57        | -0.105 |
| 349      | 100      | Unbiased            | 7.725      | 7.64        | -0.085 |
| 350      | 100      | Unbiased            | 7.673      | 7.574       | -0.099 |
| 351      | 100      | Unbiased            | 7.793      | 7.703       | -0.09  |
| 352      | 100      | Unbiased            | 7.593      | 7.485       | -0.108 |

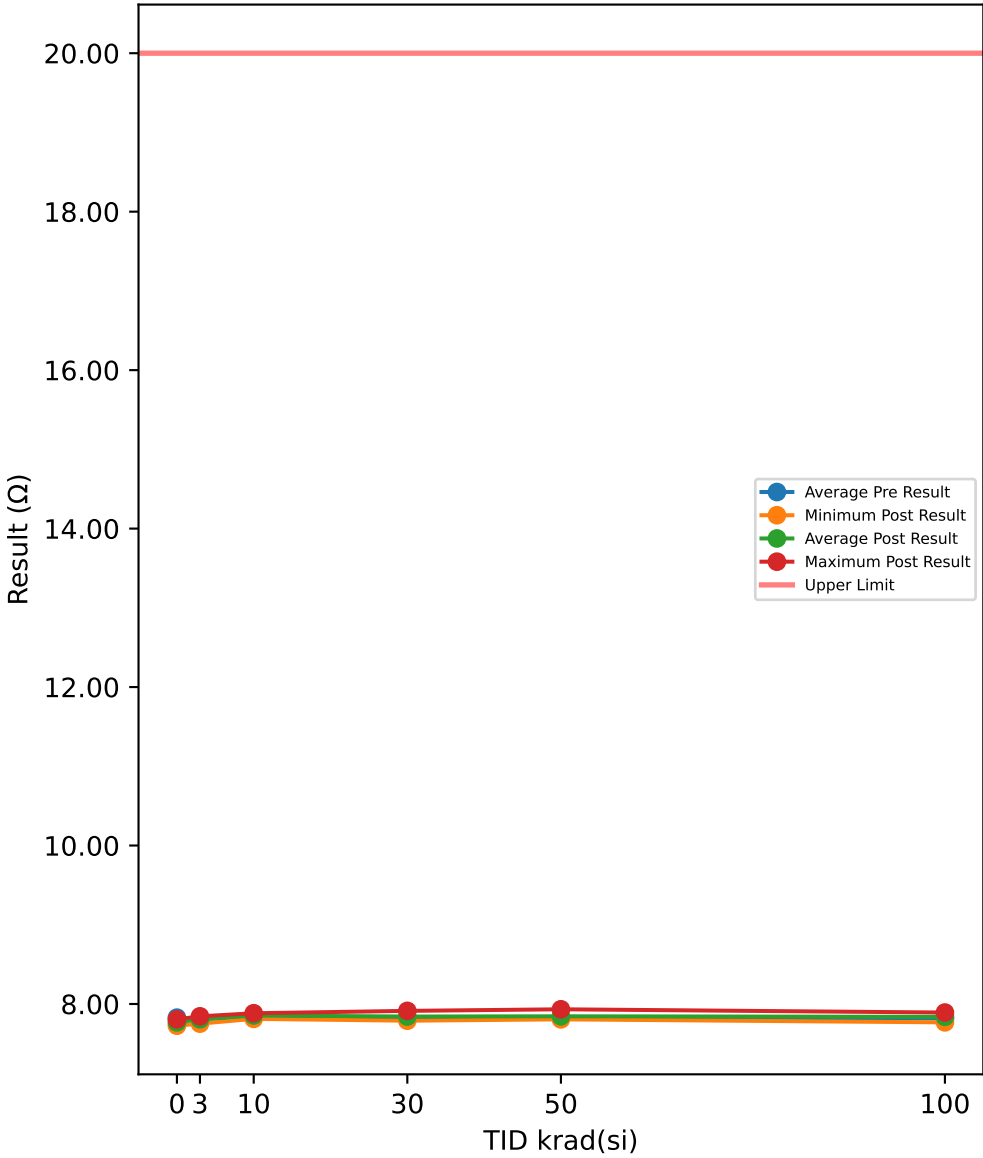
TID vs Post - Pre Exposure Delta



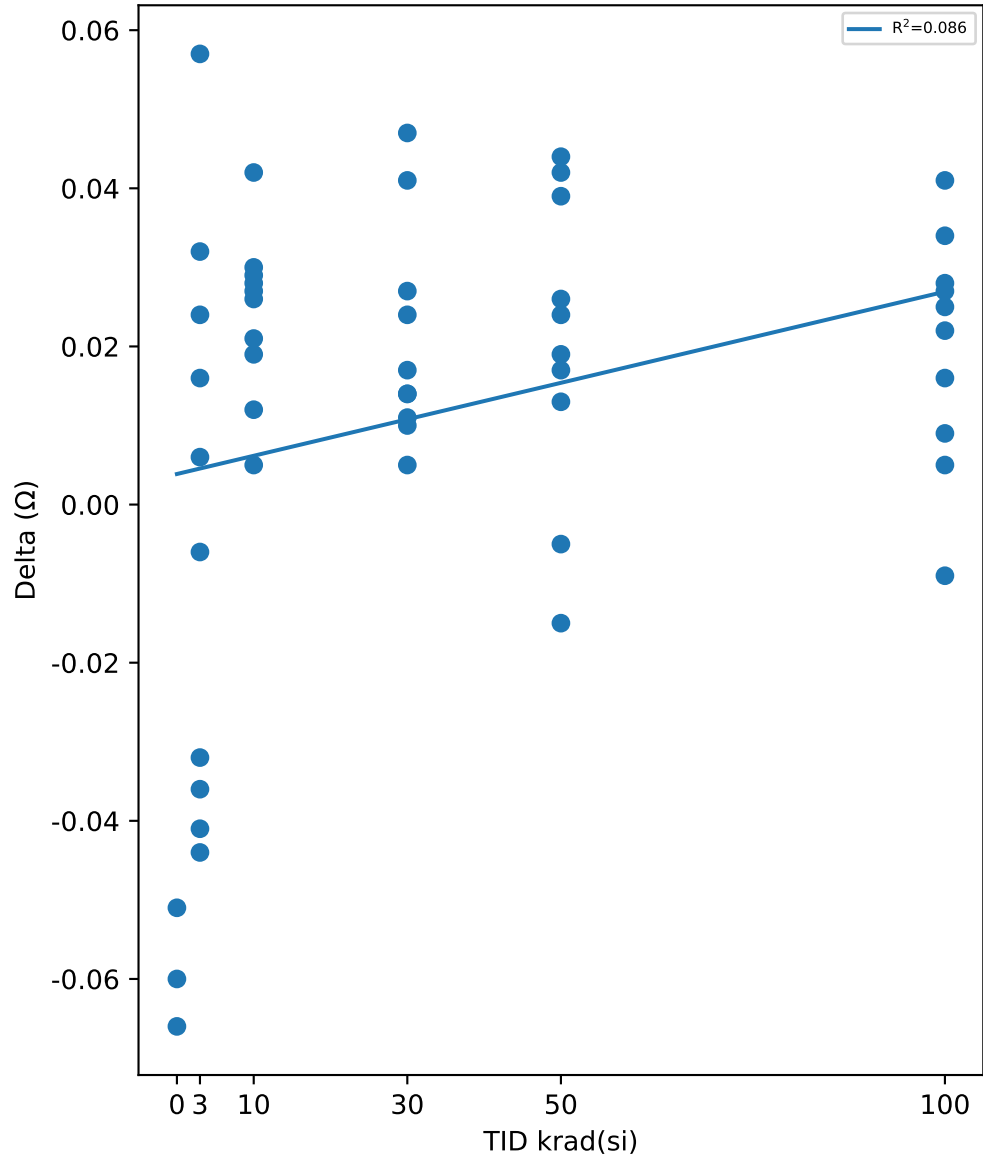
Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 7.461            | 7.5653           | 7.662            | 0.10072          | 7.401             | 7.4907            | 7.597             | 0.099057          | -0.099    | -0.074667 | -0.06     | 0.021221  |
| 3        | 7.441            | 7.6149           | 7.729            | 0.11205          | 7.467             | 7.5374            | 7.579             | 0.039241          | -0.166    | -0.0775   | 0.048     | 0.096875  |
| 10       | 7.53             | 7.5811           | 7.627            | 0.02967          | 7.549             | 7.6027            | 7.638             | 0.032235          | -0.025    | 0.0216    | 0.051     | 0.020571  |
| 30       | 7.51             | 7.5693           | 7.634            | 0.033176         | 7.525             | 7.5853            | 7.654             | 0.034121          | 0.003     | 0.016     | 0.03      | 0.0086538 |
| 50       | 7.523            | 7.6317           | 7.74             | 0.085422         | 7.529             | 7.5959            | 7.709             | 0.05323           | -0.123    | -0.0358   | 0.043     | 0.071989  |
| 100      | 7.593            | 7.6989           | 7.793            | 0.056315         | 7.485             | 7.5956            | 7.703             | 0.060905          | -0.116    | -0.1033   | -0.085    | 0.010023  |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 20.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 7.839      | 7.773       | -0.066 |
| 301      | 0        | Correlation         | 7.777      | 7.726       | -0.051 |
| 302      | 0        | Correlation         | 7.866      | 7.806       | -0.06  |
| 303      | 3        | Bias                | 7.825      | 7.789       | -0.036 |
| 304      | 3        | Bias                | 7.85       | 7.844       | -0.006 |
| 305      | 3        | Bias                | 7.849      | 7.817       | -0.032 |
| 306      | 3        | Bias                | 7.841      | 7.797       | -0.044 |
| 307      | 3        | Bias                | 7.865      | 7.824       | -0.041 |
| 308      | 3        | Unbiased            | 7.823      | 7.829       | 0.006  |
| 309      | 3        | Unbiased            | 7.791      | 7.815       | 0.024  |
| 310      | 3        | Unbiased            | 7.795      | 7.827       | 0.032  |
| 311      | 3        | Unbiased            | 7.736      | 7.752       | 0.016  |
| 312      | 3        | Unbiased            | 7.723      | 7.78        | 0.057  |
| 313      | 10       | Bias                | 7.838      | 7.864       | 0.026  |
| 314      | 10       | Bias                | 7.862      | 7.883       | 0.021  |
| 315      | 10       | Bias                | 7.862      | 7.881       | 0.019  |
| 316      | 10       | Bias                | 7.825      | 7.867       | 0.042  |
| 317      | 10       | Bias                | 7.839      | 7.868       | 0.029  |
| 318      | 10       | Unbiased            | 7.785      | 7.812       | 0.027  |
| 319      | 10       | Unbiased            | 7.823      | 7.851       | 0.028  |
| 320      | 10       | Unbiased            | 7.813      | 7.818       | 0.005  |
| 321      | 10       | Unbiased            | 7.812      | 7.842       | 0.03   |
| 322      | 10       | Unbiased            | 7.854      | 7.866       | 0.012  |
| 323      | 30       | Bias                | 7.816      | 7.843       | 0.027  |
| 324      | 30       | Bias                | 7.829      | 7.846       | 0.017  |
| 325      | 30       | Bias                | 7.825      | 7.872       | 0.047  |
| 326      | 30       | Bias                | 7.775      | 7.789       | 0.014  |
| 327      | 30       | Bias                | 7.889      | 7.913       | 0.024  |
| 328      | 30       | Unbiased            | 7.801      | 7.842       | 0.041  |
| 329      | 30       | Unbiased            | 7.843      | 7.848       | 0.005  |
| 330      | 30       | Unbiased            | 7.826      | 7.837       | 0.011  |
| 331      | 30       | Unbiased            | 7.787      | 7.801       | 0.014  |
| 332      | 30       | Unbiased            | 7.812      | 7.822       | 0.01   |
| 333      | 50       | Bias                | 7.792      | 7.818       | 0.026  |
| 334      | 50       | Bias                | 7.851      | 7.868       | 0.017  |
| 335      | 50       | Bias                | 7.786      | 7.828       | 0.042  |
| 336      | 50       | Bias                | 7.784      | 7.828       | 0.044  |
| 337      | 50       | Bias                | 7.894      | 7.933       | 0.039  |
| 338      | 50       | Unbiased            | 7.782      | 7.806       | 0.024  |
| 339      | 50       | Unbiased            | 7.832      | 7.845       | 0.013  |
| 340      | 50       | Unbiased            | 7.818      | 7.837       | 0.019  |
| 341      | 50       | Unbiased            | 7.835      | 7.82        | -0.015 |
| 342      | 50       | Unbiased            | 7.868      | 7.863       | -0.005 |
| 343      | 100      | Bias                | 7.794      | 7.799       | 0.005  |
| 344      | 100      | Bias                | 7.803      | 7.825       | 0.022  |
| 345      | 100      | Bias                | 7.813      | 7.822       | 0.009  |
| 346      | 100      | Bias                | 7.886      | 7.877       | -0.009 |
| 347      | 100      | Bias                | 7.816      | 7.844       | 0.028  |
| 348      | 100      | Unbiased            | 7.801      | 7.817       | 0.016  |
| 349      | 100      | Unbiased            | 7.853      | 7.88        | 0.027  |
| 350      | 100      | Unbiased            | 7.809      | 7.85        | 0.041  |
| 351      | 100      | Unbiased            | 7.858      | 7.892       | 0.034  |
| 352      | 100      | Unbiased            | 7.743      | 7.768       | 0.025  |

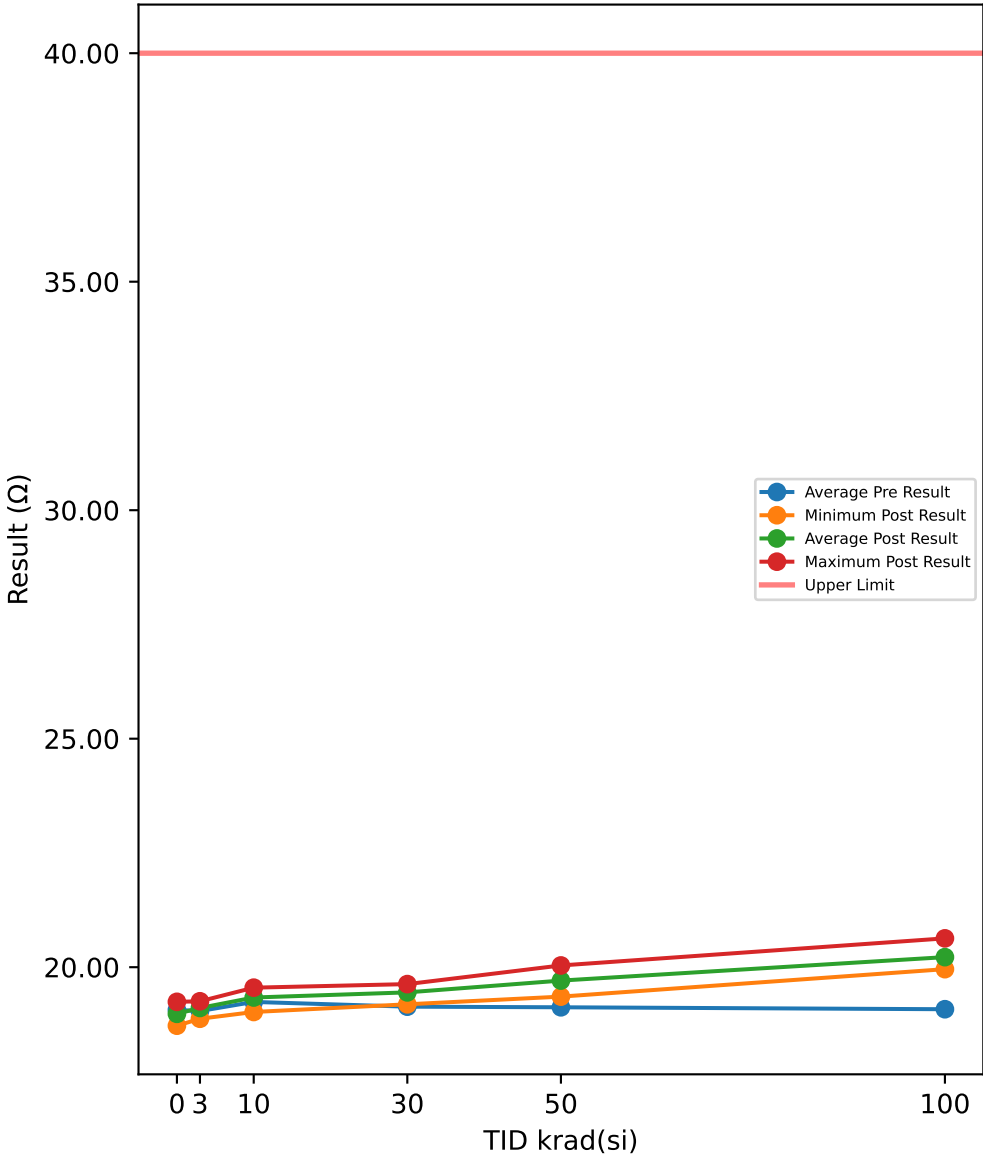
Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 7.777            | 7.8273           | 7.866            | 0.045633         | 7.726             | 7.7683            | 7.806             | 0.040204          | -0.066    | -0.059    | -0.051    | 0.0075498 |
| 3        | 7.723            | 7.8098           | 7.865            | 0.048456         | 7.752             | 7.8074            | 7.844             | 0.027653          | -0.044    | -0.0024   | 0.057     | 0.03505   |
| 10       | 7.785            | 7.8313           | 7.862            | 0.02464          | 7.812             | 7.8552            | 7.883             | 0.024444          | 0.005     | 0.0239    | 0.042     | 0.01029   |
| 30       | 7.775            | 7.8203           | 7.889            | 0.031598         | 7.789             | 7.8413            | 7.913             | 0.034808          | 0.005     | 0.021     | 0.047     | 0.013792  |
| 50       | 7.782            | 7.8242           | 7.894            | 0.038898         | 7.806             | 7.8446            | 7.933             | 0.036685          | -0.015    | 0.0204    | 0.044     | 0.01938   |
| 100      | 7.743            | 7.8176           | 7.886            | 0.039822         | 7.768             | 7.8374            | 7.892             | 0.038965          | -0.009    | 0.0198    | 0.041     | 0.014838  |



Device Test: 18.2 ; RESET\_RPMOS\_LOW\_V

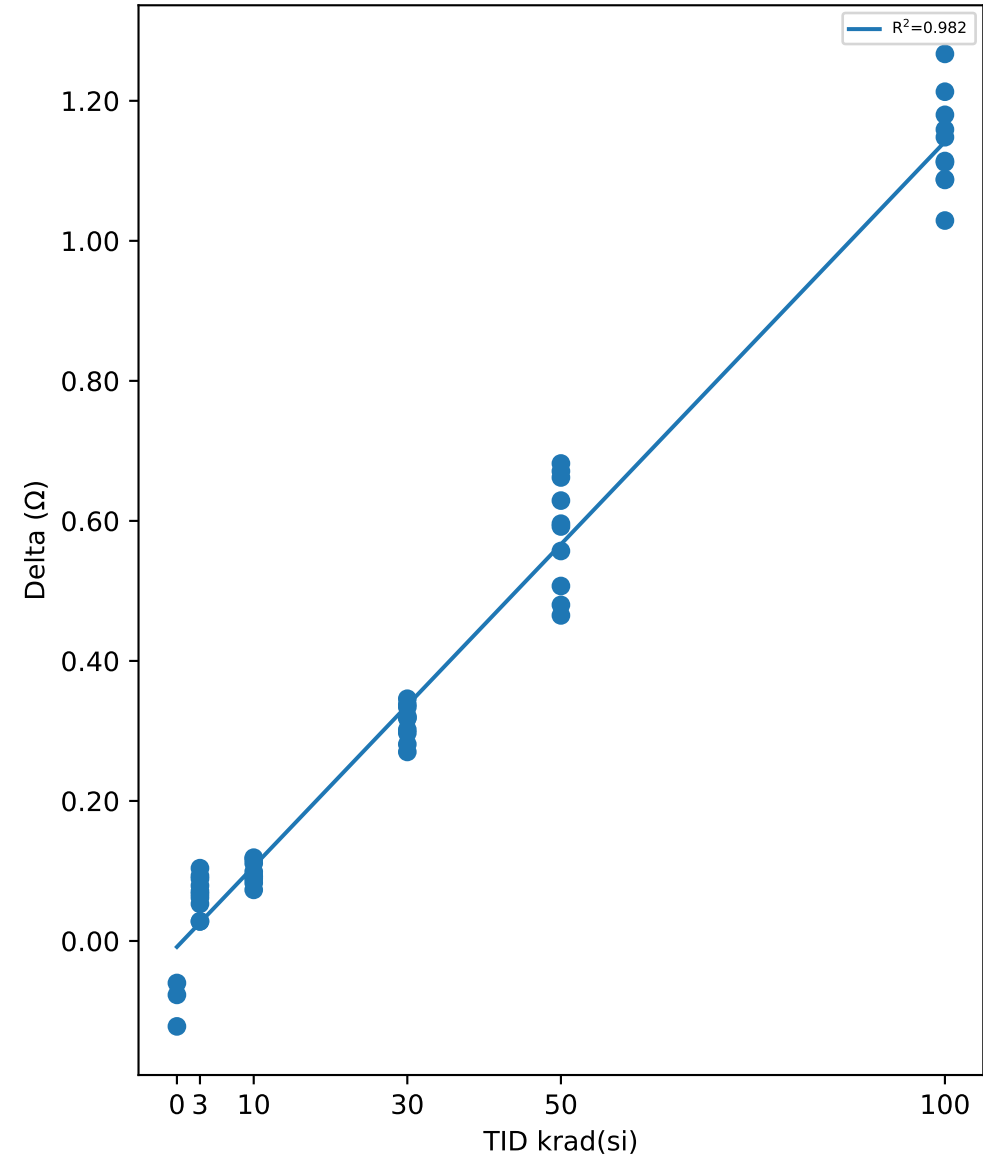
TID vs Result Stats



Test Results (Upper Limit = 40.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 19.099     | 18.977      | -0.122 |
| 301      | 0        | Correlation         | 18.797     | 18.72       | -0.077 |
| 302      | 0        | Correlation         | 19.302     | 19.242      | -0.06  |
| 303      | 3        | Bias                | 19.038     | 19.105      | 0.067  |
| 304      | 3        | Bias                | 19.123     | 19.202      | 0.079  |
| 305      | 3        | Bias                | 18.955     | 19.044      | 0.089  |
| 306      | 3        | Bias                | 19.099     | 19.203      | 0.104  |
| 307      | 3        | Bias                | 19.145     | 19.216      | 0.071  |
| 308      | 3        | Unbiased            | 19.031     | 19.124      | 0.093  |
| 309      | 3        | Unbiased            | 19.117     | 19.179      | 0.062  |
| 310      | 3        | Unbiased            | 19.201     | 19.254      | 0.053  |
| 311      | 3        | Unbiased            | 18.855     | 18.883      | 0.028  |
| 312      | 3        | Unbiased            | 18.844     | 18.872      | 0.028  |
| 313      | 10       | Bias                | 19.135     | 19.227      | 0.092  |
| 314      | 10       | Bias                | 19.166     | 19.255      | 0.089  |
| 315      | 10       | Bias                | 19.433     | 19.552      | 0.119  |
| 316      | 10       | Bias                | 18.909     | 19.02       | 0.111  |
| 317      | 10       | Bias                | 19.395     | 19.512      | 0.117  |
| 318      | 10       | Unbiased            | 19.081     | 19.164      | 0.083  |
| 319      | 10       | Unbiased            | 19.343     | 19.416      | 0.073  |
| 320      | 10       | Unbiased            | 19.348     | 19.441      | 0.093  |
| 321      | 10       | Unbiased            | 19.351     | 19.45       | 0.099  |
| 322      | 10       | Unbiased            | 19.239     | 19.33       | 0.091  |
| 323      | 30       | Bias                | 19.104     | 19.422      | 0.318  |
| 324      | 30       | Bias                | 19.151     | 19.47       | 0.319  |
| 325      | 30       | Bias                | 19.284     | 19.63       | 0.346  |
| 326      | 30       | Bias                | 18.936     | 19.238      | 0.302  |
| 327      | 30       | Bias                | 19.263     | 19.584      | 0.321  |
| 328      | 30       | Unbiased            | 19.117     | 19.398      | 0.281  |
| 329      | 30       | Unbiased            | 19.174     | 19.444      | 0.27   |
| 330      | 30       | Unbiased            | 18.891     | 19.188      | 0.297  |
| 331      | 30       | Unbiased            | 19.206     | 19.54       | 0.334  |
| 332      | 30       | Unbiased            | 19.238     | 19.576      | 0.338  |
| 333      | 50       | Bias                | 18.876     | 19.356      | 0.48   |
| 334      | 50       | Bias                | 19.361     | 19.868      | 0.507  |
| 335      | 50       | Bias                | 19.29      | 19.886      | 0.596  |
| 336      | 50       | Bias                | 19.113     | 19.705      | 0.592  |
| 337      | 50       | Bias                | 19.481     | 20.038      | 0.557  |
| 338      | 50       | Unbiased            | 18.933     | 19.398      | 0.465  |
| 339      | 50       | Unbiased            | 19.061     | 19.69       | 0.629  |
| 340      | 50       | Unbiased            | 19.091     | 19.773      | 0.682  |
| 341      | 50       | Unbiased            | 18.948     | 19.61       | 0.662  |
| 342      | 50       | Unbiased            | 19.074     | 19.745      | 0.671  |
| 343      | 100      | Bias                | 18.957     | 20.044      | 1.087  |
| 344      | 100      | Bias                | 19.069     | 20.181      | 1.112  |
| 345      | 100      | Bias                | 18.924     | 20.104      | 1.18   |
| 346      | 100      | Bias                | 19.364     | 20.631      | 1.267  |
| 347      | 100      | Bias                | 19.159     | 20.318      | 1.159  |
| 348      | 100      | Unbiased            | 19.014     | 20.102      | 1.088  |
| 349      | 100      | Unbiased            | 19.096     | 20.125      | 1.029  |
| 350      | 100      | Unbiased            | 19.088     | 20.236      | 1.148  |
| 351      | 100      | Unbiased            | 19.29      | 20.503      | 1.213  |
| 352      | 100      | Unbiased            | 18.843     | 19.957      | 1.114  |

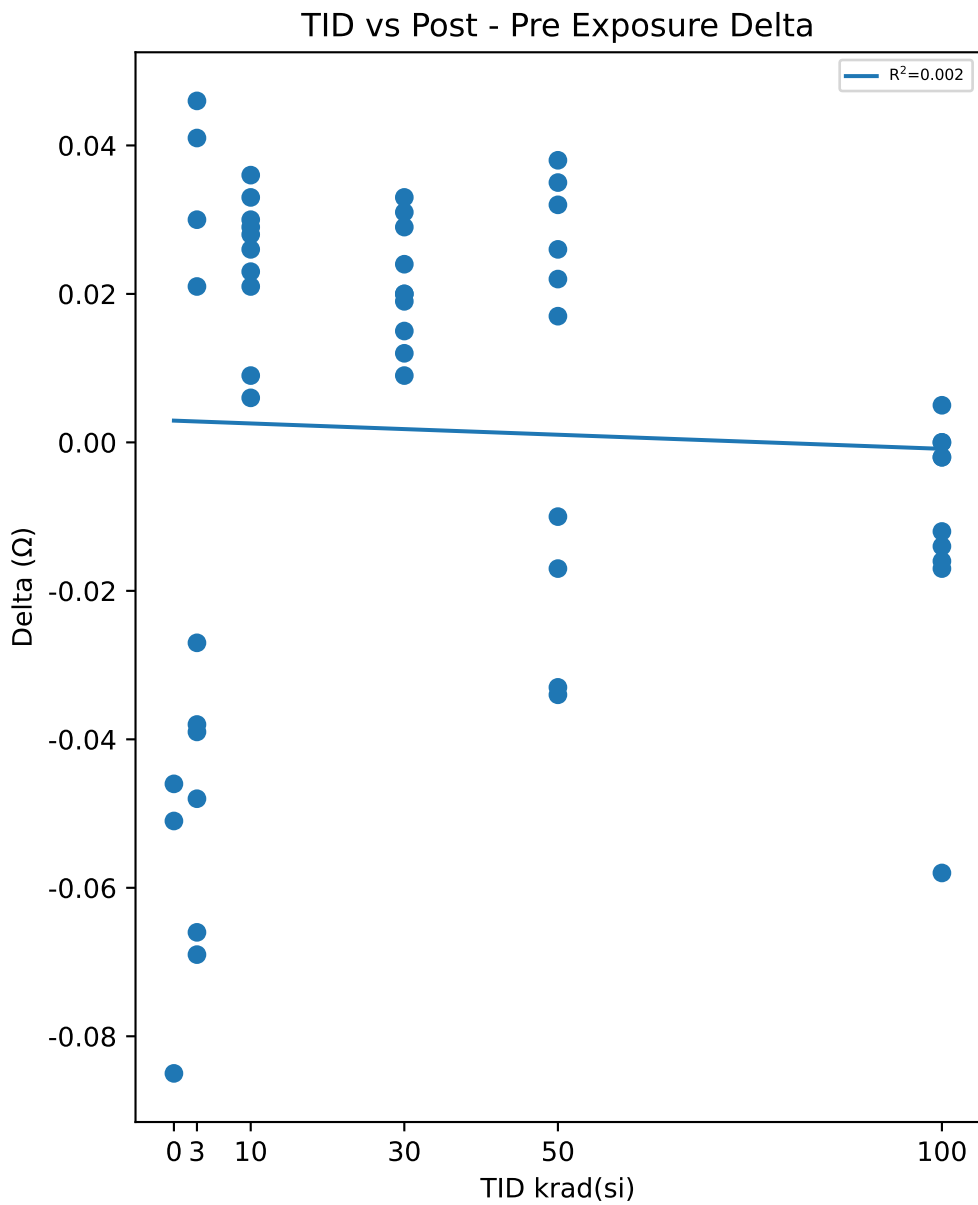
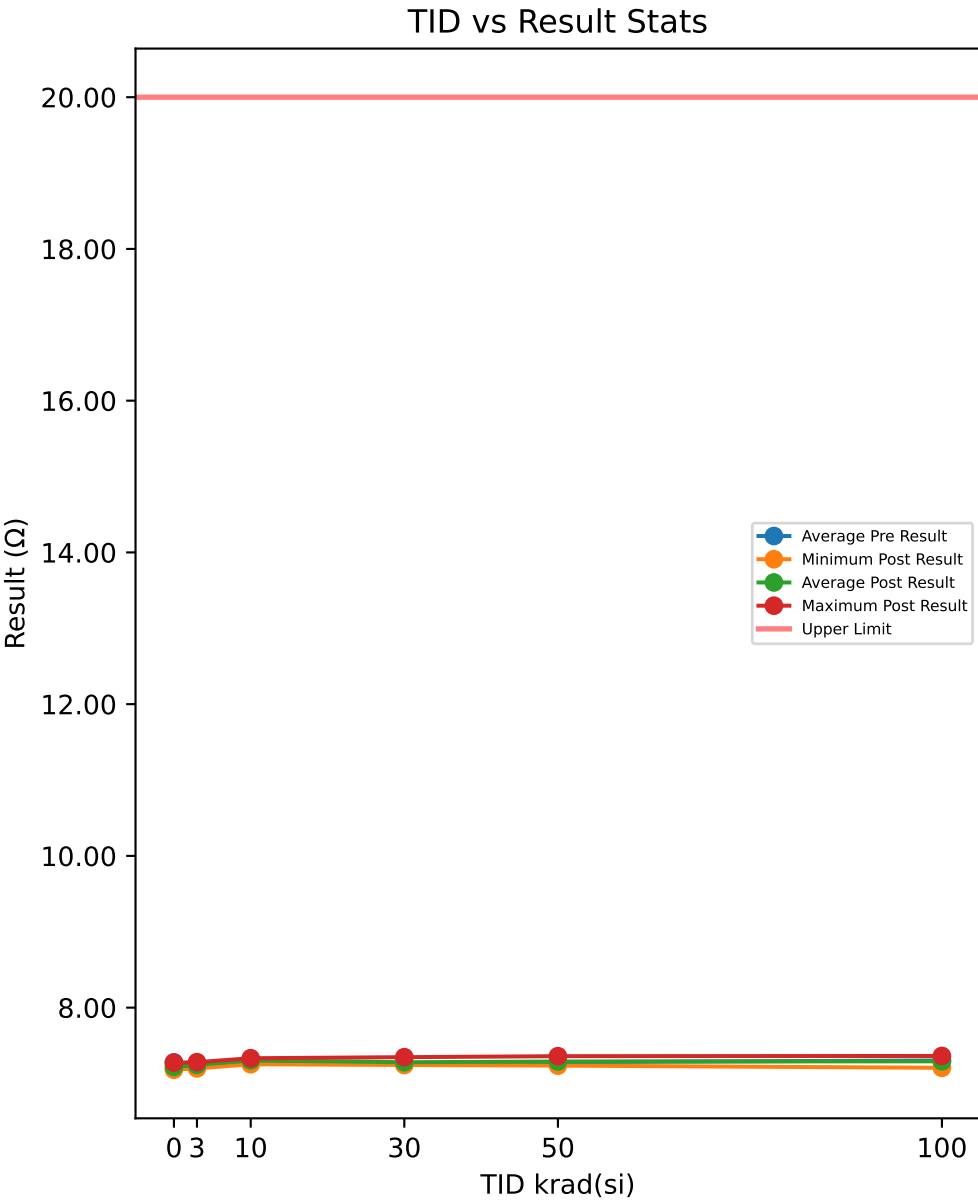
TID vs Post - Pre Exposure Delta



Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 18.797           | 19.066           | 19.302           | 0.25411          | 18.72             | 18.98             | 19.242            | 0.26101           | -0.122    | -0.086333 | -0.06     | 0.032036  |
| 3        | 18.844           | 19.041           | 19.201           | 0.12165          | 18.872            | 19.108            | 19.254            | 0.13604           | 0.028     | 0.0674    | 0.104     | 0.025713  |
| 10       | 18.909           | 19.24            | 19.433           | 0.16573          | 19.02             | 19.337            | 19.552            | 0.16864           | 0.073     | 0.0967    | 0.119     | 0.014893  |
| 30       | 18.891           | 19.136           | 19.284           | 0.13183          | 19.188            | 19.449            | 19.63             | 0.146             | 0.27      | 0.3126    | 0.346     | 0.024784  |
| 50       | 18.876           | 19.123           | 19.481           | 0.19658          | 19.356            | 19.707            | 20.038            | 0.21127           | 0.465     | 0.5841    | 0.682     | 0.079669  |
| 100      | 18.843           | 19.08            | 19.364           | 0.16036          | 19.957            | 20.22             | 20.631            | 0.21001           | 1.029     | 1.1397    | 1.267     | 0.068941  |

Device Test: 18.20 ; RESET\_RPMOS\_HIGH\_V



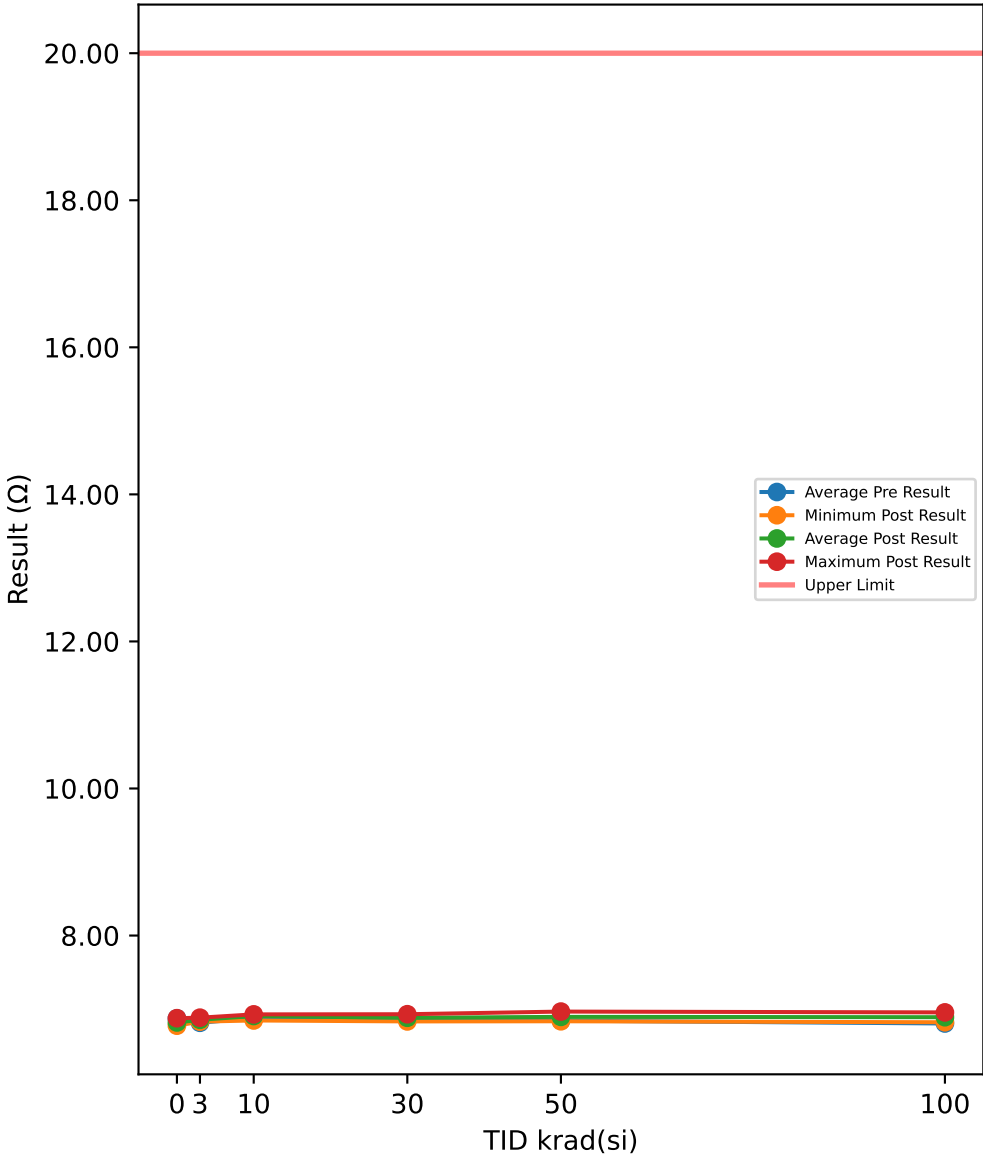
### Test Results (Upper Limit = 20.0 ( $\Omega$ ))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 7.284      | 7.199       | -0.085 |
| 301      | 0        | Correlation         | 7.233      | 7.182       | -0.051 |
| 302      | 0        | Correlation         | 7.32       | 7.274       | -0.046 |
| 303      | 3        | Bias                | 7.265      | 7.199       | -0.066 |
| 304      | 3        | Bias                | 7.306      | 7.267       | -0.039 |
| 305      | 3        | Bias                | 7.273      | 7.225       | -0.048 |
| 306      | 3        | Bias                | 7.328      | 7.259       | -0.069 |
| 307      | 3        | Bias                | 7.289      | 7.251       | -0.038 |
| 308      | 3        | Unbiased            | 7.291      | 7.264       | -0.027 |
| 309      | 3        | Unbiased            | 7.229      | 7.259       | 0.03   |
| 310      | 3        | Unbiased            | 7.24       | 7.281       | 0.041  |
| 311      | 3        | Unbiased            | 7.2        | 7.221       | 0.021  |
| 312      | 3        | Unbiased            | 7.174      | 7.22        | 0.046  |
| 313      | 10       | Bias                | 7.269      | 7.302       | 0.033  |
| 314      | 10       | Bias                | 7.274      | 7.302       | 0.028  |
| 315      | 10       | Bias                | 7.303      | 7.333       | 0.03   |
| 316      | 10       | Bias                | 7.294      | 7.32        | 0.026  |
| 317      | 10       | Bias                | 7.29       | 7.319       | 0.029  |
| 318      | 10       | Unbiased            | 7.218      | 7.254       | 0.036  |
| 319      | 10       | Unbiased            | 7.27       | 7.293       | 0.023  |
| 320      | 10       | Unbiased            | 7.298      | 7.304       | 0.006  |
| 321      | 10       | Unbiased            | 7.291      | 7.312       | 0.021  |
| 322      | 10       | Unbiased            | 7.301      | 7.31        | 0.009  |
| 323      | 30       | Bias                | 7.237      | 7.268       | 0.031  |
| 324      | 30       | Bias                | 7.286      | 7.306       | 0.02   |
| 325      | 30       | Bias                | 7.282      | 7.306       | 0.024  |
| 326      | 30       | Bias                | 7.229      | 7.244       | 0.015  |
| 327      | 30       | Bias                | 7.328      | 7.347       | 0.019  |
| 328      | 30       | Unbiased            | 7.244      | 7.273       | 0.029  |
| 329      | 30       | Unbiased            | 7.262      | 7.274       | 0.012  |
| 330      | 30       | Unbiased            | 7.237      | 7.27        | 0.033  |
| 331      | 30       | Unbiased            | 7.239      | 7.248       | 0.009  |
| 332      | 30       | Unbiased            | 7.246      | 7.266       | 0.02   |
| 333      | 50       | Bias                | 7.235      | 7.261       | 0.026  |
| 334      | 50       | Bias                | 7.305      | 7.327       | 0.022  |
| 335      | 50       | Bias                | 7.253      | 7.288       | 0.035  |
| 336      | 50       | Bias                | 7.217      | 7.249       | 0.032  |
| 337      | 50       | Bias                | 7.343      | 7.36        | 0.017  |
| 338      | 50       | Unbiased            | 7.248      | 7.286       | 0.038  |
| 339      | 50       | Unbiased            | 7.305      | 7.295       | -0.01  |
| 340      | 50       | Unbiased            | 7.287      | 7.27        | -0.017 |
| 341      | 50       | Unbiased            | 7.27       | 7.236       | -0.034 |
| 342      | 50       | Unbiased            | 7.357      | 7.324       | -0.033 |
| 343      | 100      | Bias                | 7.263      | 7.251       | -0.012 |
| 344      | 100      | Bias                | 7.285      | 7.283       | -0.002 |
| 345      | 100      | Bias                | 7.264      | 7.264       | 0      |
| 346      | 100      | Bias                | 7.392      | 7.334       | -0.058 |
| 347      | 100      | Bias                | 7.316      | 7.299       | -0.017 |
| 348      | 100      | Unbiased            | 7.262      | 7.262       | 0      |
| 349      | 100      | Unbiased            | 7.375      | 7.361       | -0.014 |
| 350      | 100      | Unbiased            | 7.3        | 7.298       | -0.002 |
| 351      | 100      | Unbiased            | 7.379      | 7.363       | -0.016 |
| 352      | 100      | Unbiased            | 7.202      | 7.207       | 0.005  |

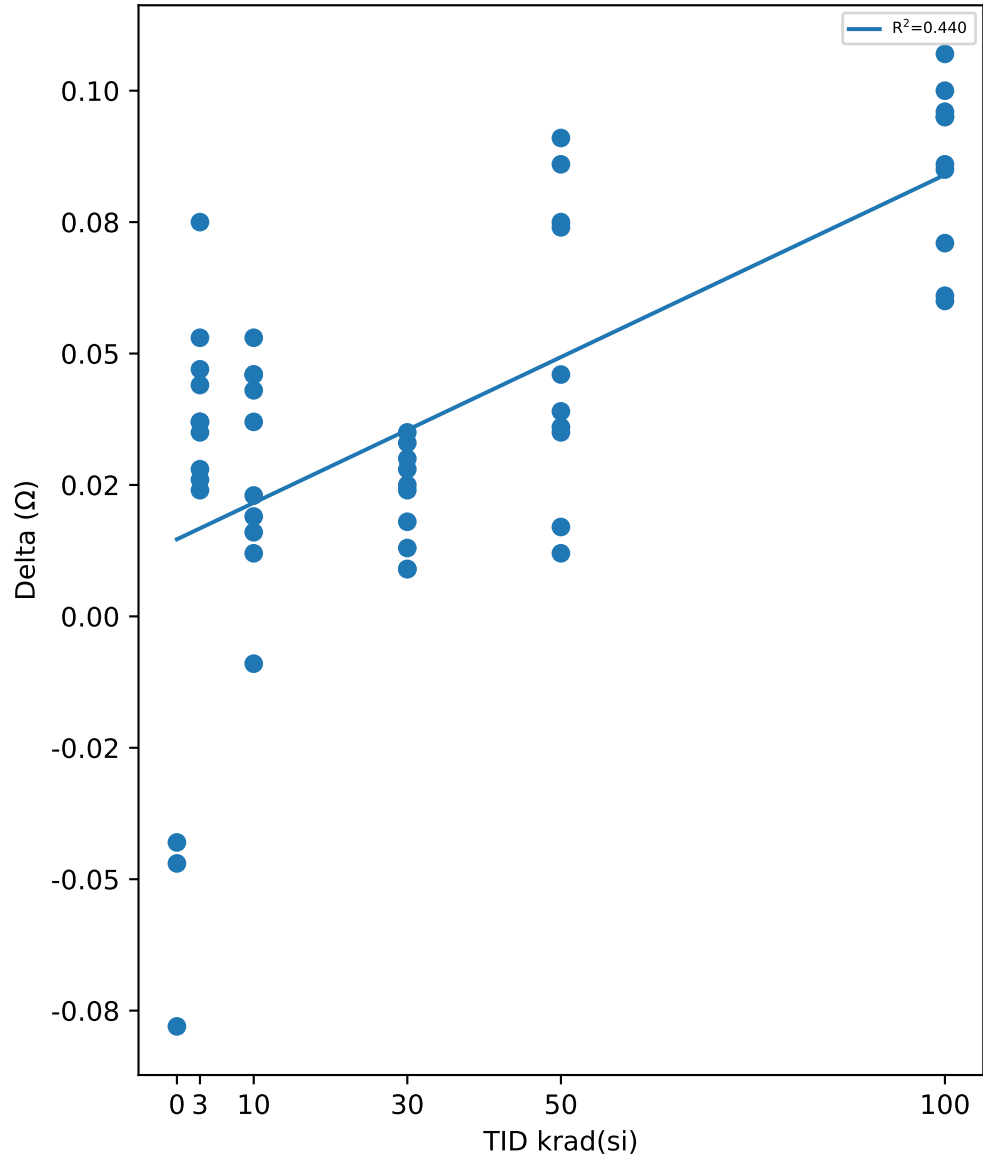
### Test Statistics ( $\Omega$

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 7.233            | 7.279            | 7.32             | 0.043715         | 7.182             | 7.2183            | 7.274             | 0.048952          | -0.085    | -0.060667 | -0.046    | 0.021221  |
| 3        | 7.174            | 7.2595           | 7.328            | 0.048409         | 7.199             | 7.2446            | 7.281             | 0.026425          | -0.069    | -0.0149   | 0.046     | 0.044762  |
| 10       | 7.218            | 7.2808           | 7.303            | 0.025398         | 7.254             | 7.3049            | 7.333             | 0.021195          | 0.006     | 0.0241    | 0.036     | 0.0098031 |
| 30       | 7.229            | 7.259            | 7.328            | 0.031073         | 7.244             | 7.2802            | 7.347             | 0.031066          | 0.009     | 0.0212    | 0.033     | 0.0080526 |
| 50       | 7.217            | 7.282            | 7.357            | 0.045952         | 7.236             | 7.2896            | 7.36              | 0.038451          | -0.034    | 0.0076    | 0.038     | 0.028281  |
| 100      | 7.202            | 7.3038           | 7.392            | 0.061806         | 7.207             | 7.2922            | 7.363             | 0.049801          | -0.058    | -0.0116   | 0.005     | 0.018063  |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



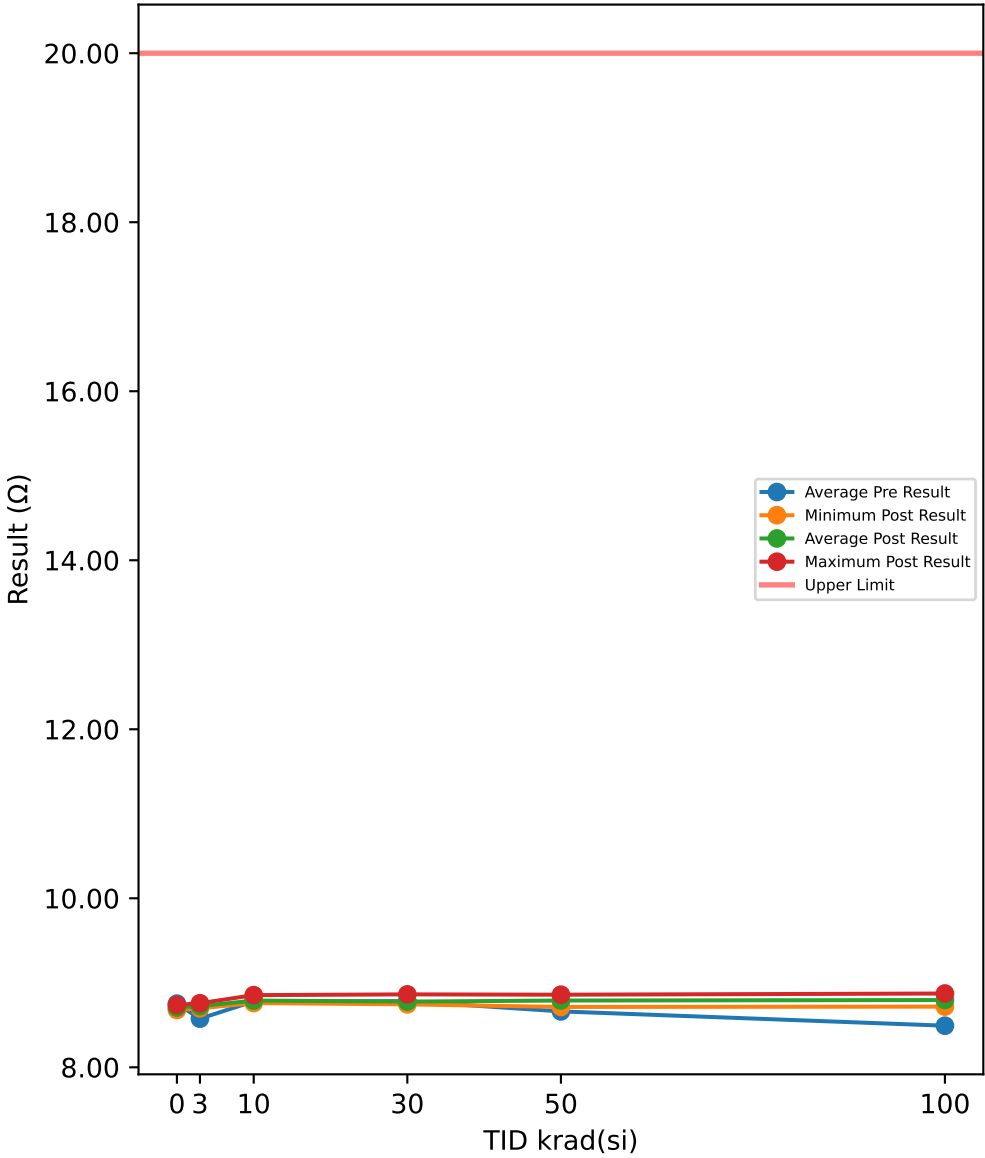
Test Results (Upper Limit = 20.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 6.882      | 6.804       | -0.078 |
| 301      | 0        | Correlation         | 6.817      | 6.774       | -0.043 |
| 302      | 0        | Correlation         | 6.923      | 6.876       | -0.047 |
| 303      | 3        | Bias                | 6.808      | 6.836       | 0.028  |
| 304      | 3        | Bias                | 6.81       | 6.857       | 0.047  |
| 305      | 3        | Bias                | 6.797      | 6.841       | 0.044  |
| 306      | 3        | Bias                | 6.818      | 6.855       | 0.037  |
| 307      | 3        | Bias                | 6.846      | 6.883       | 0.037  |
| 308      | 3        | Unbiased            | 6.808      | 6.883       | 0.075  |
| 309      | 3        | Unbiased            | 6.831      | 6.857       | 0.026  |
| 310      | 3        | Unbiased            | 6.837      | 6.872       | 0.035  |
| 311      | 3        | Unbiased            | 6.805      | 6.829       | 0.024  |
| 312      | 3        | Unbiased            | 6.777      | 6.83        | 0.053  |
| 313      | 10       | Bias                | 6.844      | 6.897       | 0.053  |
| 314      | 10       | Bias                | 6.875      | 6.918       | 0.043  |
| 315      | 10       | Bias                | 6.897      | 6.909       | 0.012  |
| 316      | 10       | Bias                | 6.859      | 6.905       | 0.046  |
| 317      | 10       | Bias                | 6.907      | 6.926       | 0.019  |
| 318      | 10       | Unbiased            | 6.822      | 6.845       | 0.023  |
| 319      | 10       | Unbiased            | 6.884      | 6.921       | 0.037  |
| 320      | 10       | Unbiased            | 6.897      | 6.888       | -0.009 |
| 321      | 10       | Unbiased            | 6.882      | 6.928       | 0.046  |
| 322      | 10       | Unbiased            | 6.906      | 6.922       | 0.016  |
| 323      | 30       | Bias                | 6.846      | 6.876       | 0.03   |
| 324      | 30       | Bias                | 6.856      | 6.889       | 0.033  |
| 325      | 30       | Bias                | 6.895      | 6.92        | 0.025  |
| 326      | 30       | Bias                | 6.814      | 6.832       | 0.018  |
| 327      | 30       | Bias                | 6.917      | 6.93        | 0.013  |
| 328      | 30       | Unbiased            | 6.847      | 6.882       | 0.035  |
| 329      | 30       | Unbiased            | 6.874      | 6.883       | 0.009  |
| 330      | 30       | Unbiased            | 6.832      | 6.856       | 0.024  |
| 331      | 30       | Unbiased            | 6.863      | 6.872       | 0.009  |
| 332      | 30       | Unbiased            | 6.85       | 6.878       | 0.028  |
| 333      | 50       | Bias                | 6.822      | 6.834       | 0.012  |
| 334      | 50       | Bias                | 6.93       | 6.947       | 0.017  |
| 335      | 50       | Bias                | 6.852      | 6.891       | 0.039  |
| 336      | 50       | Bias                | 6.81       | 6.845       | 0.035  |
| 337      | 50       | Bias                | 6.93       | 6.966       | 0.036  |
| 338      | 50       | Unbiased            | 6.839      | 6.885       | 0.046  |
| 339      | 50       | Unbiased            | 6.807      | 6.893       | 0.086  |
| 340      | 50       | Unbiased            | 6.811      | 6.886       | 0.075  |
| 341      | 50       | Unbiased            | 6.796      | 6.887       | 0.091  |
| 342      | 50       | Unbiased            | 6.83       | 6.904       | 0.074  |
| 343      | 100      | Bias                | 6.792      | 6.853       | 0.061  |
| 344      | 100      | Bias                | 6.793      | 6.879       | 0.086  |
| 345      | 100      | Bias                | 6.759      | 6.854       | 0.095  |
| 346      | 100      | Bias                | 6.874      | 6.934       | 0.06   |
| 347      | 100      | Bias                | 6.803      | 6.874       | 0.071  |
| 348      | 100      | Unbiased            | 6.793      | 6.878       | 0.085  |
| 349      | 100      | Unbiased            | 6.852      | 6.948       | 0.096  |
| 350      | 100      | Unbiased            | 6.798      | 6.898       | 0.1    |
| 351      | 100      | Unbiased            | 6.848      | 6.955       | 0.107  |
| 352      | 100      | Unbiased            | 6.726      | 6.821       | 0.095  |

Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 6.817            | 6.874            | 6.923            | 0.053451         | 6.774             | 6.818             | 6.876             | 0.052421          | -0.078    | -0.056    | -0.043    | 0.019157  |
| 3        | 6.777            | 6.8137           | 6.846            | 0.020232         | 6.829             | 6.8543            | 6.883             | 0.020325          | 0.024     | 0.0406    | 0.075     | 0.015255  |
| 10       | 6.822            | 6.8773           | 6.907            | 0.028            | 6.845             | 6.9059            | 6.928             | 0.025044          | -0.009    | 0.0286    | 0.053     | 0.01958   |
| 30       | 6.814            | 6.8594           | 6.917            | 0.029919         | 6.832             | 6.8818            | 6.93              | 0.028138          | 0.009     | 0.0224    | 0.035     | 0.0096402 |
| 50       | 6.796            | 6.8427           | 6.93             | 0.048833         | 6.834             | 6.8938            | 6.966             | 0.039858          | 0.012     | 0.0511    | 0.091     | 0.028396  |
| 100      | 6.726            | 6.8038           | 6.874            | 0.044312         | 6.821             | 6.8894            | 6.955             | 0.044137          | 0.06      | 0.0856    | 0.107     | 0.016413  |

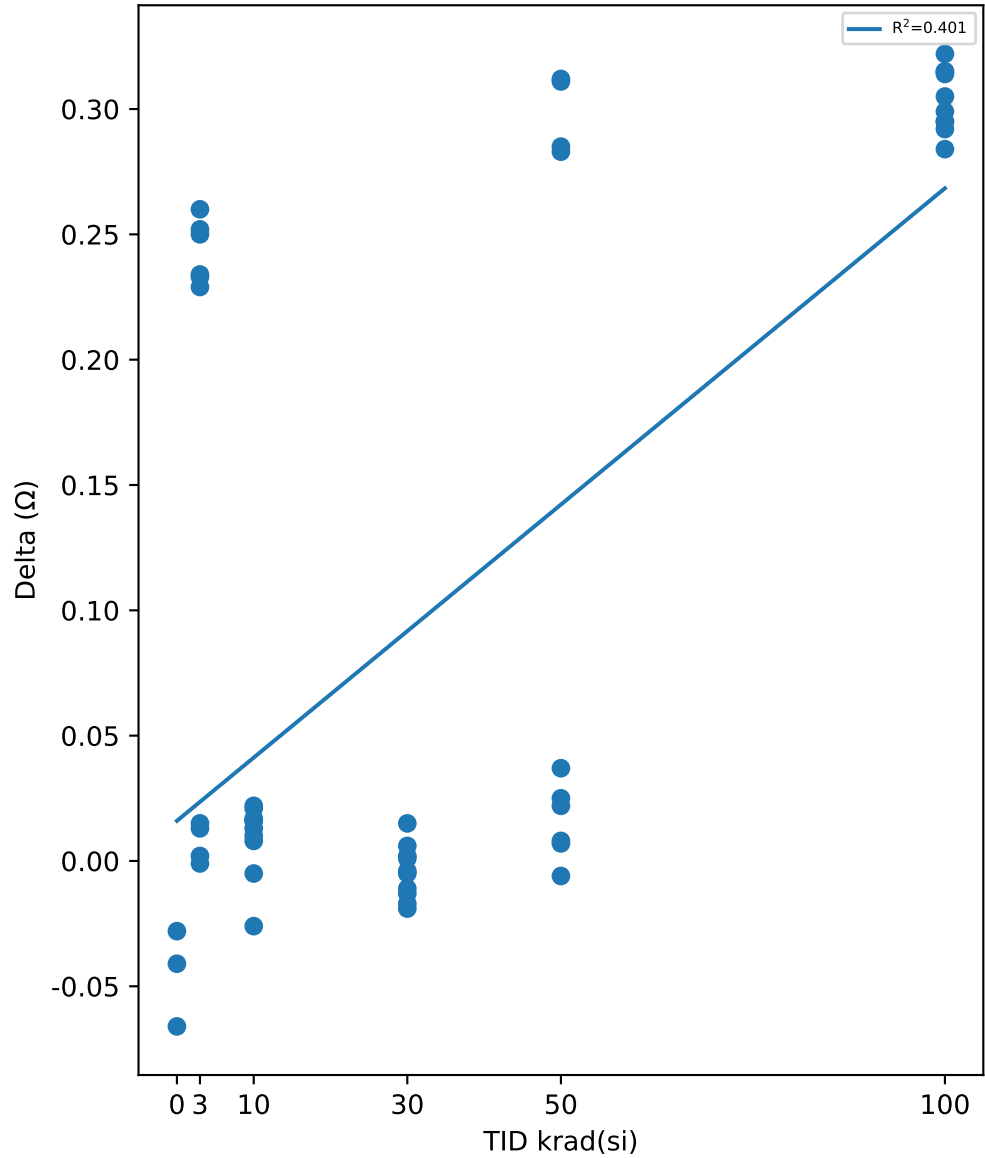
TID vs Result Stats



Test Results (Upper Limit = 20.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 8.744      | 8.678       | -0.066 |
| 301      | 0        | Correlation         | 8.749      | 8.708       | -0.041 |
| 302      | 0        | Correlation         | 8.766      | 8.738       | -0.028 |
| 303      | 3        | Bias                | 8.449      | 8.699       | 0.25   |
| 304      | 3        | Bias                | 8.514      | 8.743       | 0.229  |
| 305      | 3        | Bias                | 8.479      | 8.713       | 0.234  |
| 306      | 3        | Bias                | 8.465      | 8.698       | 0.233  |
| 307      | 3        | Bias                | 8.498      | 8.758       | 0.26   |
| 308      | 3        | Unbiased            | 8.478      | 8.73        | 0.252  |
| 309      | 3        | Unbiased            | 8.728      | 8.743       | 0.015  |
| 310      | 3        | Unbiased            | 8.736      | 8.738       | 0.002  |
| 311      | 3        | Unbiased            | 8.7        | 8.699       | -0.001 |
| 312      | 3        | Unbiased            | 8.705      | 8.718       | 0.013  |
| 313      | 10       | Bias                | 8.75       | 8.767       | 0.017  |
| 314      | 10       | Bias                | 8.761      | 8.771       | 0.01   |
| 315      | 10       | Bias                | 8.769      | 8.782       | 0.013  |
| 316      | 10       | Bias                | 8.838      | 8.854       | 0.016  |
| 317      | 10       | Bias                | 8.786      | 8.794       | 0.008  |
| 318      | 10       | Unbiased            | 8.744      | 8.76        | 0.016  |
| 319      | 10       | Unbiased            | 8.765      | 8.76        | -0.005 |
| 320      | 10       | Unbiased            | 8.804      | 8.778       | -0.026 |
| 321      | 10       | Unbiased            | 8.775      | 8.797       | 0.022  |
| 322      | 10       | Unbiased            | 8.814      | 8.835       | 0.021  |
| 323      | 30       | Bias                | 8.767      | 8.773       | 0.006  |
| 324      | 30       | Bias                | 8.761      | 8.748       | -0.013 |
| 325      | 30       | Bias                | 8.806      | 8.808       | 0.002  |
| 326      | 30       | Bias                | 8.77       | 8.751       | -0.019 |
| 327      | 30       | Bias                | 8.868      | 8.863       | -0.005 |
| 328      | 30       | Unbiased            | 8.749      | 8.75        | 0.001  |
| 329      | 30       | Unbiased            | 8.801      | 8.784       | -0.017 |
| 330      | 30       | Unbiased            | 8.76       | 8.775       | 0.015  |
| 331      | 30       | Unbiased            | 8.749      | 8.745       | -0.004 |
| 332      | 30       | Unbiased            | 8.79       | 8.779       | -0.011 |
| 333      | 50       | Bias                | 8.772      | 8.766       | -0.006 |
| 334      | 50       | Bias                | 8.813      | 8.838       | 0.025  |
| 335      | 50       | Bias                | 8.739      | 8.776       | 0.037  |
| 336      | 50       | Bias                | 8.742      | 8.75        | 0.008  |
| 337      | 50       | Bias                | 8.837      | 8.859       | 0.022  |
| 338      | 50       | Unbiased            | 8.794      | 8.801       | 0.007  |
| 339      | 50       | Unbiased            | 8.429      | 8.714       | 0.285  |
| 340      | 50       | Unbiased            | 8.528      | 8.811       | 0.283  |
| 341      | 50       | Unbiased            | 8.459      | 8.77        | 0.311  |
| 342      | 50       | Unbiased            | 8.503      | 8.815       | 0.312  |
| 343      | 100      | Bias                | 8.453      | 8.768       | 0.315  |
| 344      | 100      | Bias                | 8.489      | 8.773       | 0.284  |
| 345      | 100      | Bias                | 8.489      | 8.803       | 0.314  |
| 346      | 100      | Bias                | 8.525      | 8.82        | 0.295  |
| 347      | 100      | Bias                | 8.488      | 8.787       | 0.299  |
| 348      | 100      | Unbiased            | 8.496      | 8.801       | 0.305  |
| 349      | 100      | Unbiased            | 8.581      | 8.873       | 0.292  |
| 350      | 100      | Unbiased            | 8.477      | 8.792       | 0.315  |
| 351      | 100      | Unbiased            | 8.529      | 8.824       | 0.295  |
| 352      | 100      | Unbiased            | 8.396      | 8.718       | 0.322  |

TID vs Post - Pre Exposure Delta

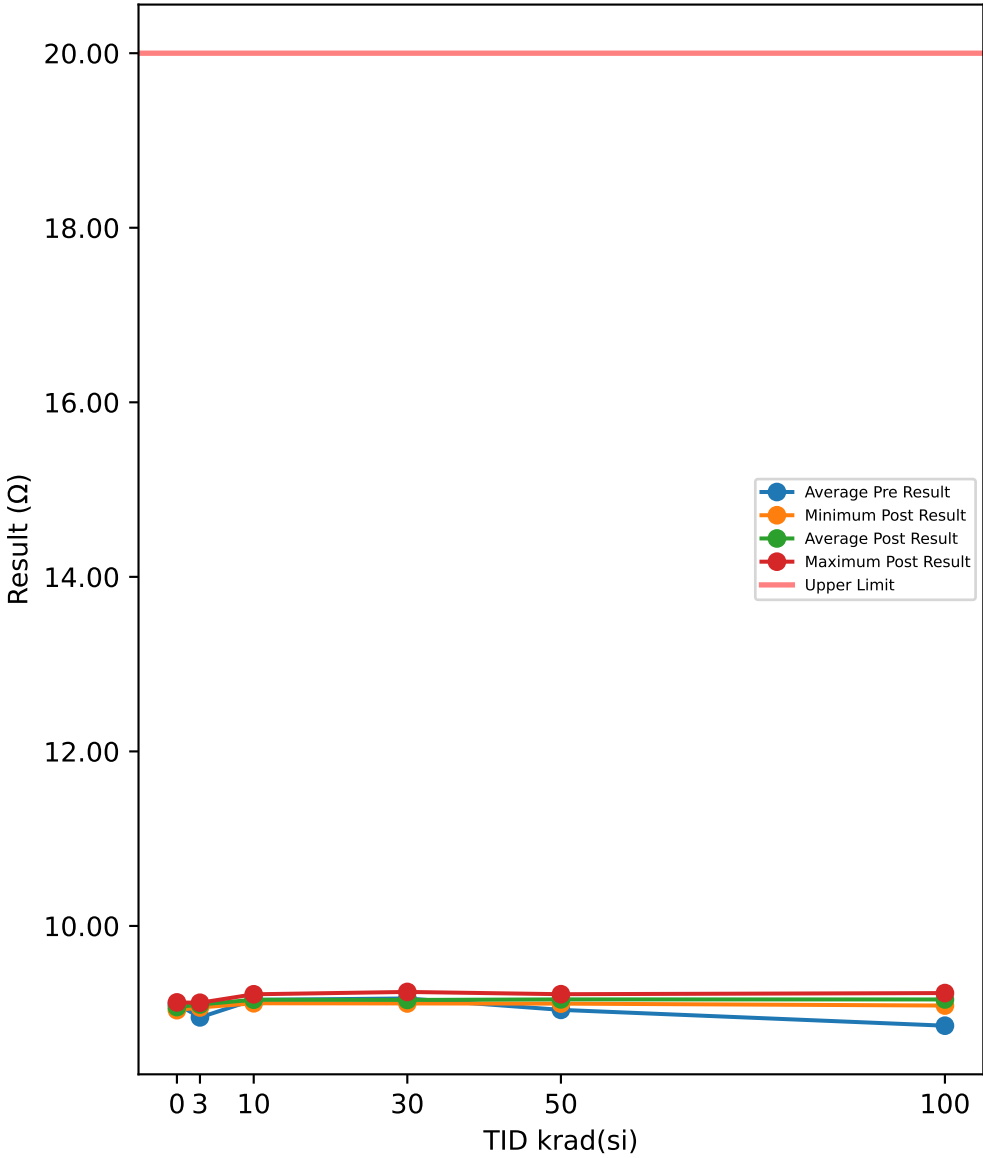


Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 8.744            | 8.753            | 8.766            | 0.011533         | 8.678             | 8.708             | 8.738             | 0.03              | -0.066    | -0.045    | -0.028    | 0.019313  |
| 3        | 8.449            | 8.5752           | 8.736            | 0.12388          | 8.698             | 8.7239            | 8.758             | 0.021584          | -0.001    | 0.1487    | 0.26      | 0.12219   |
| 10       | 8.744            | 8.7806           | 8.838            | 0.029919         | 8.76              | 8.7898            | 8.854             | 0.031769          | -0.026    | 0.0092    | 0.022     | 0.014582  |
| 30       | 8.749            | 8.7821           | 8.868            | 0.036315         | 8.745             | 8.7776            | 8.863             | 0.03605           | -0.019    | -0.0045   | 0.015     | 0.010773  |
| 50       | 8.429            | 8.6616           | 8.837            | 0.16125          | 8.714             | 8.79              | 8.859             | 0.043205          | -0.006    | 0.1284    | 0.312     | 0.14649   |
| 100      | 8.396            | 8.4923           | 8.581            | 0.048751         | 8.718             | 8.7959            | 8.873             | 0.04063           | 0.284     | 0.3036    | 0.322     | 0.012456  |

Device Test: 18.23 ; WDO\_RPMOS\_HIGH\_V

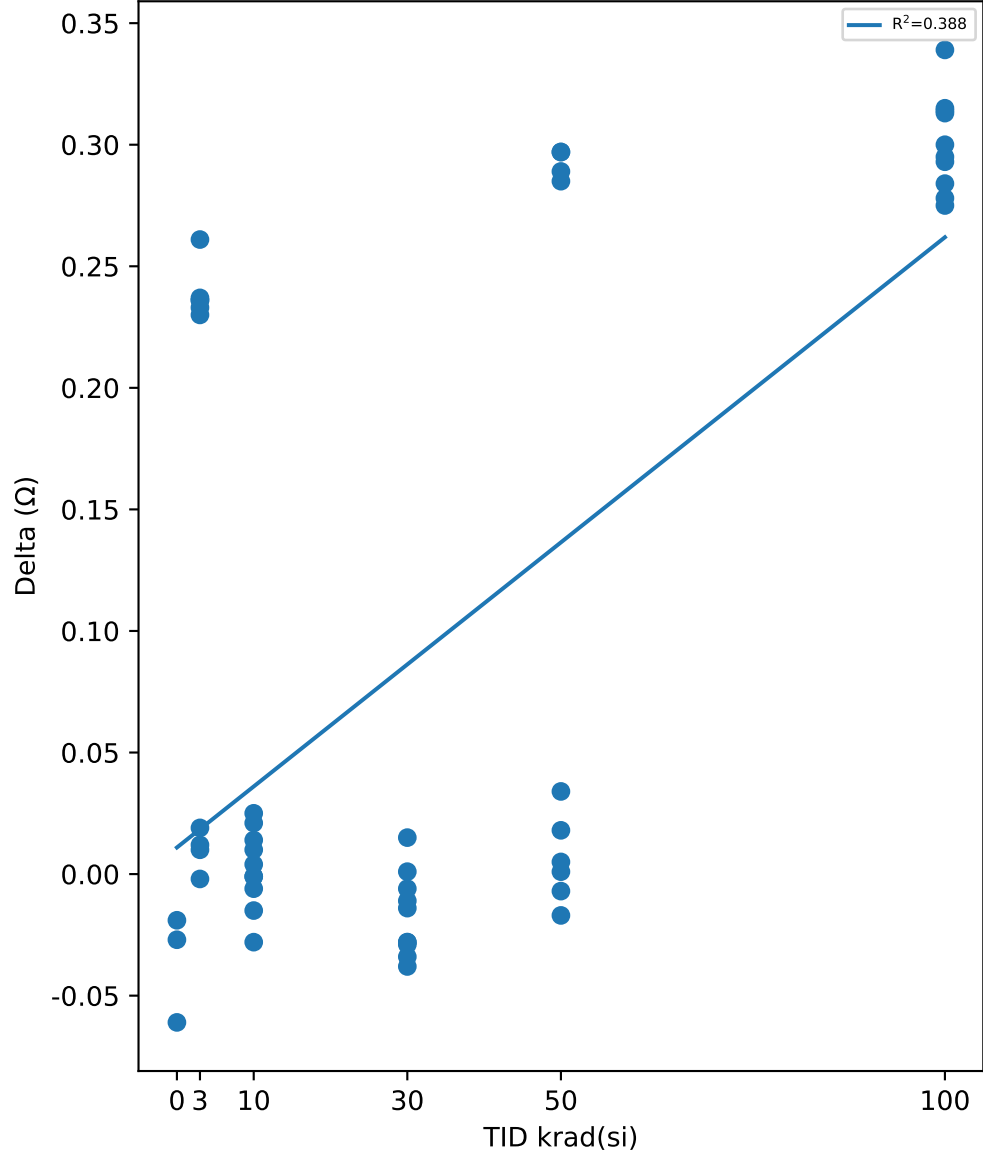
TID vs Result Stats



Test Results (Upper Limit = 20.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 9.096      | 9.035       | -0.061 |
| 301      | 0        | Correlation         | 9.078      | 9.051       | -0.027 |
| 302      | 0        | Correlation         | 9.143      | 9.124       | -0.019 |
| 303      | 3        | Bias                | 8.869      | 9.105       | 0.236  |
| 304      | 3        | Bias                | 8.887      | 9.12        | 0.233  |
| 305      | 3        | Bias                | 8.857      | 9.093       | 0.236  |
| 306      | 3        | Bias                | 8.805      | 9.066       | 0.261  |
| 307      | 3        | Bias                | 8.876      | 9.113       | 0.237  |
| 308      | 3        | Unbiased            | 8.887      | 9.117       | 0.23   |
| 309      | 3        | Unbiased            | 9.085      | 9.104       | 0.019  |
| 310      | 3        | Unbiased            | 9.092      | 9.102       | 0.01   |
| 311      | 3        | Unbiased            | 9.085      | 9.097       | 0.012  |
| 312      | 3        | Unbiased            | 9.083      | 9.081       | -0.002 |
| 313      | 10       | Bias                | 9.12       | 9.145       | 0.025  |
| 314      | 10       | Bias                | 9.147      | 9.146       | -0.001 |
| 315      | 10       | Bias                | 9.152      | 9.156       | 0.004  |
| 316      | 10       | Bias                | 9.196      | 9.217       | 0.021  |
| 317      | 10       | Bias                | 9.172      | 9.166       | -0.006 |
| 318      | 10       | Unbiased            | 9.118      | 9.132       | 0.014  |
| 319      | 10       | Unbiased            | 9.129      | 9.114       | -0.015 |
| 320      | 10       | Unbiased            | 9.157      | 9.129       | -0.028 |
| 321      | 10       | Unbiased            | 9.142      | 9.152       | 0.01   |
| 322      | 10       | Unbiased            | 9.194      | 9.193       | -0.001 |
| 323      | 30       | Bias                | 9.14       | 9.155       | 0.015  |
| 324      | 30       | Bias                | 9.15       | 9.144       | -0.006 |
| 325      | 30       | Bias                | 9.181      | 9.167       | -0.014 |
| 326      | 30       | Bias                | 9.14       | 9.112       | -0.028 |
| 327      | 30       | Bias                | 9.273      | 9.244       | -0.029 |
| 328      | 30       | Unbiased            | 9.143      | 9.132       | -0.011 |
| 329      | 30       | Unbiased            | 9.167      | 9.129       | -0.038 |
| 330      | 30       | Unbiased            | 9.165      | 9.166       | 0.001  |
| 331      | 30       | Unbiased            | 9.148      | 9.12        | -0.028 |
| 332      | 30       | Unbiased            | 9.185      | 9.151       | -0.034 |
| 333      | 50       | Bias                | 9.146      | 9.139       | -0.007 |
| 334      | 50       | Bias                | 9.177      | 9.178       | 0.001  |
| 335      | 50       | Bias                | 9.118      | 9.152       | 0.034  |
| 336      | 50       | Bias                | 9.105      | 9.11        | 0.005  |
| 337      | 50       | Bias                | 9.2        | 9.218       | 0.018  |
| 338      | 50       | Unbiased            | 9.184      | 9.167       | -0.017 |
| 339      | 50       | Unbiased            | 8.823      | 9.112       | 0.289  |
| 340      | 50       | Unbiased            | 8.893      | 9.178       | 0.285  |
| 341      | 50       | Unbiased            | 8.826      | 9.123       | 0.297  |
| 342      | 50       | Unbiased            | 8.913      | 9.21        | 0.297  |
| 343      | 100      | Bias                | 8.821      | 9.135       | 0.314  |
| 344      | 100      | Bias                | 8.828      | 9.123       | 0.295  |
| 345      | 100      | Bias                | 8.846      | 9.159       | 0.313  |
| 346      | 100      | Bias                | 8.903      | 9.178       | 0.275  |
| 347      | 100      | Bias                | 8.845      | 9.145       | 0.3    |
| 348      | 100      | Unbiased            | 8.879      | 9.172       | 0.293  |
| 349      | 100      | Unbiased            | 8.947      | 9.231       | 0.284  |
| 350      | 100      | Unbiased            | 8.844      | 9.159       | 0.315  |
| 351      | 100      | Unbiased            | 8.91       | 9.188       | 0.278  |
| 352      | 100      | Unbiased            | 8.749      | 9.088       | 0.339  |

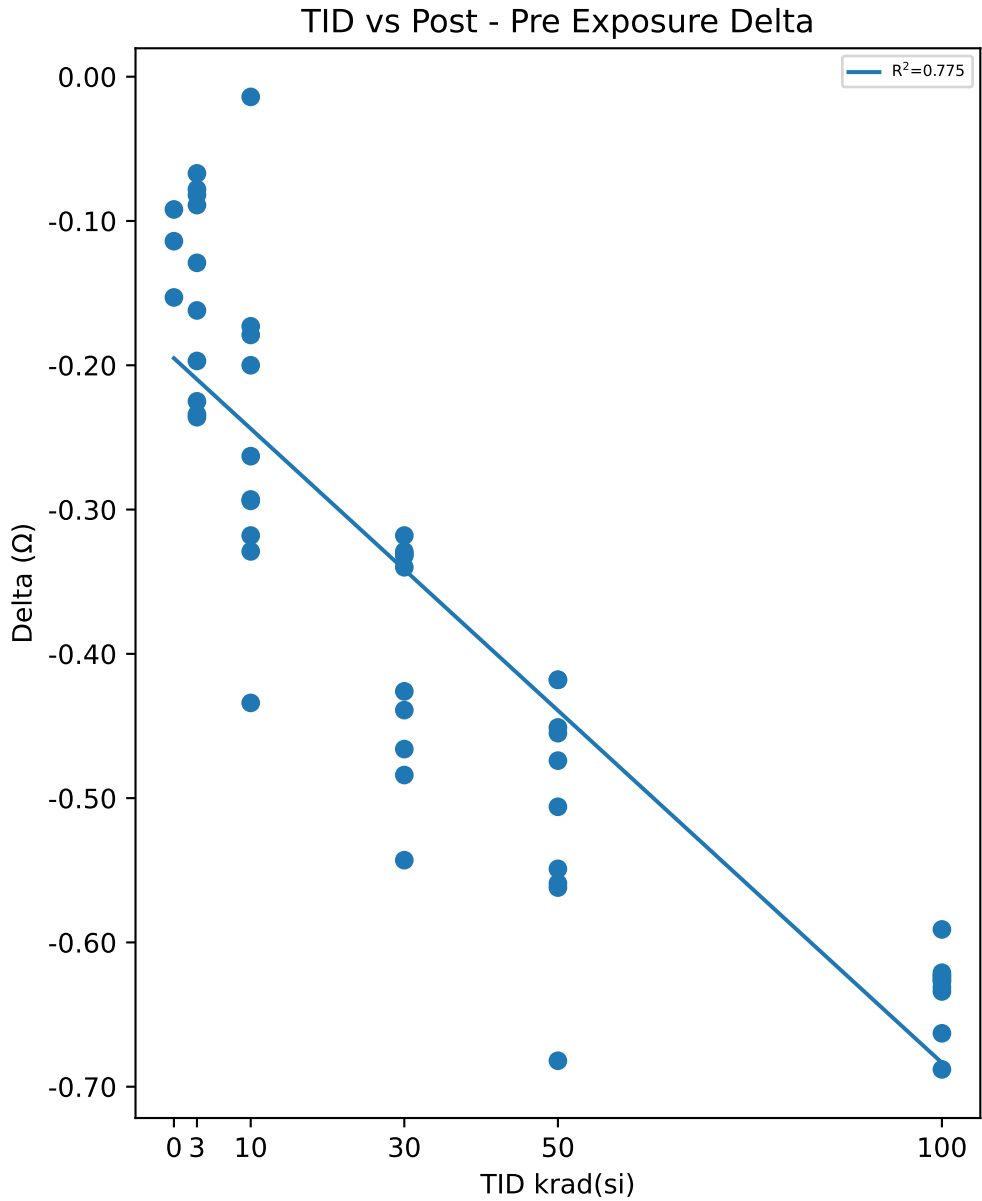
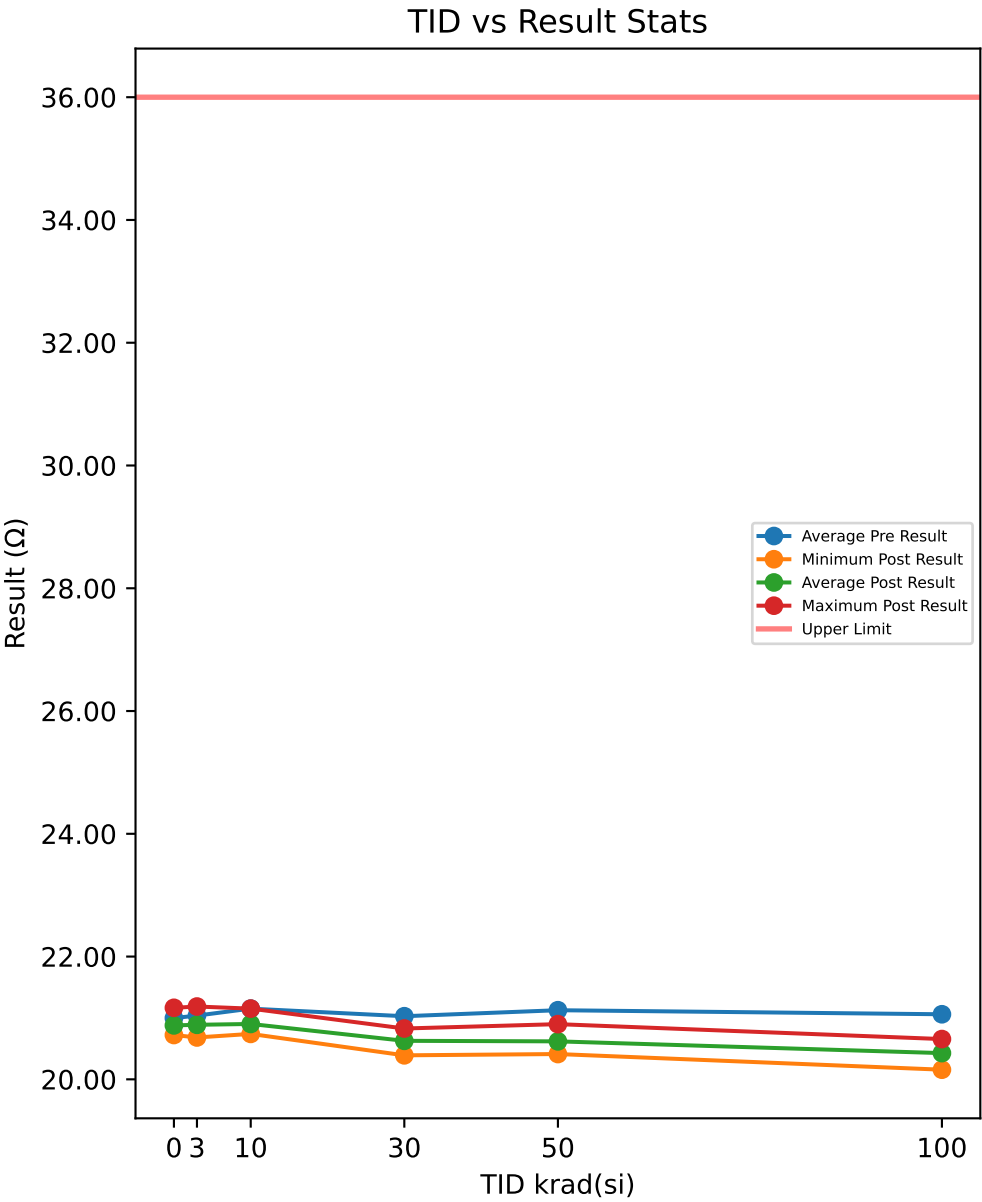
TID vs Post - Pre Exposure Delta



Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 9.078            | 9.1057           | 9.143            | 0.033561         | 9.035             | 9.07              | 9.124             | 0.047445          | -0.061    | -0.035667 | -0.019    | 0.022301  |
| 3        | 8.805            | 8.9526           | 9.092            | 0.11732          | 9.066             | 9.0998            | 9.12              | 0.016592          | -0.002    | 0.1472    | 0.261     | 0.1187    |
| 10       | 9.118            | 9.1527           | 9.196            | 0.027797         | 9.114             | 9.155             | 9.217             | 0.030706          | -0.028    | 0.0023    | 0.025     | 0.016235  |
| 30       | 9.14             | 9.1692           | 9.273            | 0.039994         | 9.112             | 9.152             | 9.244             | 0.037286          | -0.038    | -0.0172   | 0.015     | 0.017093  |
| 50       | 8.823            | 9.0385           | 9.2              | 0.15537          | 9.11              | 9.1587            | 9.218             | 0.038329          | -0.017    | 0.1202    | 0.297     | 0.14852   |
| 100      | 8.749            | 8.8572           | 8.947            | 0.055521         | 9.088             | 9.1578            | 9.231             | 0.038944          | 0.275     | 0.3006    | 0.339     | 0.019851  |



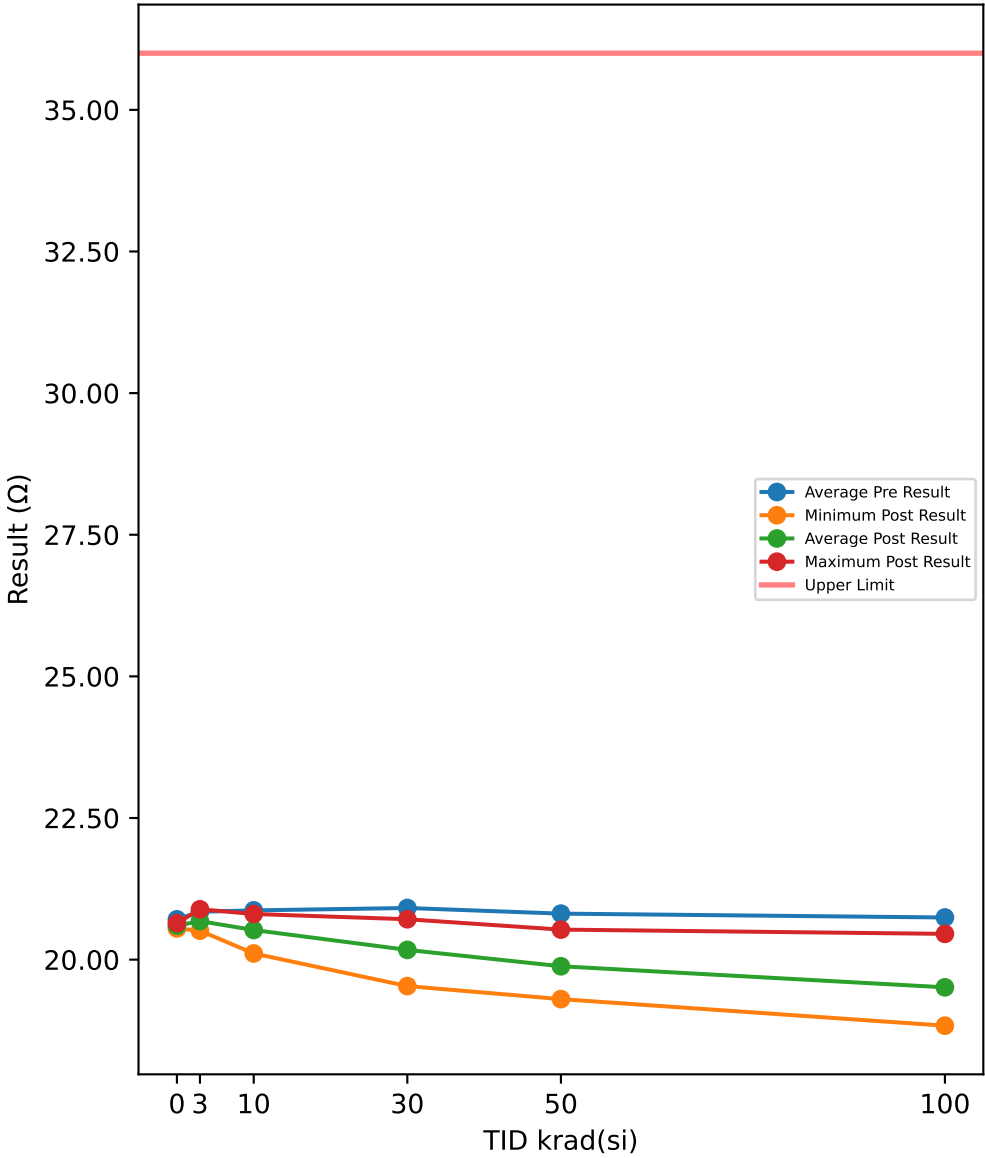


| Test Results (Upper Limit = 36.0 (Ω)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 20.902     | 20.749      | -0.153 |
| 301                                   | 0        | Correlation         | 20.814     | 20.722      | -0.092 |
| 302                                   | 0        | Correlation         | 21.279     | 21.165      | -0.114 |
| 303                                   | 3        | Bias                | 20.958     | 20.722      | -0.236 |
| 304                                   | 3        | Bias                | 21.411     | 21.186      | -0.225 |
| 305                                   | 3        | Bias                | 21.082     | 20.848      | -0.234 |
| 306                                   | 3        | Bias                | 21.072     | 20.875      | -0.197 |
| 307                                   | 3        | Bias                | 21.057     | 20.895      | -0.162 |
| 308                                   | 3        | Unbiased            | 21.043     | 20.914      | -0.129 |
| 309                                   | 3        | Unbiased            | 21.19      | 21.108      | -0.082 |
| 310                                   | 3        | Unbiased            | 20.965     | 20.898      | -0.067 |
| 311                                   | 3        | Unbiased            | 20.76      | 20.682      | -0.078 |
| 312                                   | 3        | Unbiased            | 20.845     | 20.756      | -0.089 |
| 313                                   | 10       | Bias                | 21.157     | 20.864      | -0.293 |
| 314                                   | 10       | Bias                | 21.276     | 20.947      | -0.329 |
| 315                                   | 10       | Bias                | 21.067     | 20.773      | -0.294 |
| 316                                   | 10       | Bias                | 21.099     | 20.899      | -0.2   |
| 317                                   | 10       | Bias                | 21.106     | 20.788      | -0.318 |
| 318                                   | 10       | Unbiased            | 21.067     | 20.894      | -0.173 |
| 319                                   | 10       | Unbiased            | 20.919     | 20.74       | -0.179 |
| 320                                   | 10       | Unbiased            | 21.308     | 20.874      | -0.434 |
| 321                                   | 10       | Unbiased            | 21.102     | 21.088      | -0.014 |
| 322                                   | 10       | Unbiased            | 21.415     | 21.152      | -0.263 |
| 323                                   | 30       | Bias                | 21.005     | 20.579      | -0.426 |
| 324                                   | 30       | Bias                | 20.941     | 20.502      | -0.439 |
| 325                                   | 30       | Bias                | 21.296     | 20.753      | -0.543 |
| 326                                   | 30       | Bias                | 20.875     | 20.391      | -0.484 |
| 327                                   | 30       | Bias                | 21.138     | 20.672      | -0.466 |
| 328                                   | 30       | Unbiased            | 20.872     | 20.554      | -0.318 |
| 329                                   | 30       | Unbiased            | 21.16      | 20.828      | -0.332 |
| 330                                   | 30       | Unbiased            | 20.928     | 20.597      | -0.331 |
| 331                                   | 30       | Unbiased            | 21.077     | 20.737      | -0.34  |
| 332                                   | 30       | Unbiased            | 20.989     | 20.66       | -0.329 |
| 333                                   | 50       | Bias                | 20.918     | 20.412      | -0.506 |
| 334                                   | 50       | Bias                | 21.198     | 20.649      | -0.549 |
| 335                                   | 50       | Bias                | 21.019     | 20.457      | -0.562 |
| 336                                   | 50       | Bias                | 21.123     | 20.564      | -0.559 |
| 337                                   | 50       | Bias                | 21.491     | 20.809      | -0.682 |
| 338                                   | 50       | Unbiased            | 20.977     | 20.559      | -0.418 |
| 339                                   | 50       | Unbiased            | 20.835     | 20.417      | -0.418 |
| 340                                   | 50       | Unbiased            | 21.148     | 20.693      | -0.455 |
| 341                                   | 50       | Unbiased            | 21.177     | 20.726      | -0.451 |
| 342                                   | 50       | Unbiased            | 21.373     | 20.899      | -0.474 |
| 343                                   | 100      | Bias                | 20.999     | 20.376      | -0.623 |
| 344                                   | 100      | Bias                | 21.103     | 20.477      | -0.626 |
| 345                                   | 100      | Bias                | 21.028     | 20.365      | -0.663 |
| 346                                   | 100      | Bias                | 21.176     | 20.555      | -0.621 |
| 347                                   | 100      | Bias                | 21.114     | 20.49       | -0.624 |
| 348                                   | 100      | Unbiased            | 21.287     | 20.656      | -0.631 |
| 349                                   | 100      | Unbiased            | 21.066     | 20.475      | -0.591 |
| 350                                   | 100      | Unbiased            | 20.845     | 20.157      | -0.688 |
| 351                                   | 100      | Unbiased            | 21.123     | 20.489      | -0.634 |
| 352                                   | 100      | Unbiased            | 20.859     | 20.232      | -0.627 |

| Test Statistics (Ω) |                  |                  |                  |                  |                   |                   |                   |                   |           |           |           |           |
|---------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| krad(si)            | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
| 0                   | 20.814           | 20.998           | 21.279           | 0.24701          | 20.722            | 20.879            | 21.165            | 0.24834           | -0.153    | -0.11967  | -0.092    | 0.030892  |
| 3                   | 20.76            | 21.038           | 21.411           | 0.18011          | 20.682            | 20.888            | 21.186            | 0.15889           | -0.236    | -0.1499   | -0.067    | 0.069353  |
| 10                  | 20.919           | 21.152           | 21.415           | 0.1434           | 20.74             | 20.902            | 21.152            | 0.1322            | -0.434    | -0.2497   | -0.014    | 0.11443   |
| 30                  | 20.872           | 21.028           | 21.296           | 0.13789          | 20.391            | 20.627            | 20.828            | 0.12968           | -0.543    | -0.4008   | -0.318    | 0.08083   |
| 50                  | 20.835           | 21.126           | 21.491           | 0.20114          | 20.412            | 20.619            | 20.899            | 0.16628           | -0.682    | -0.5074   | -0.418    | 0.082252  |
| 100                 | 20.845           | 21.06            | 21.287           | 0.13545          | 20.157            | 20.427            | 20.656            | 0.14863           | -0.688    | -0.6328   | -0.591    | 0.026042  |

Device Test: 18.25 ; RESET\_RNMOS

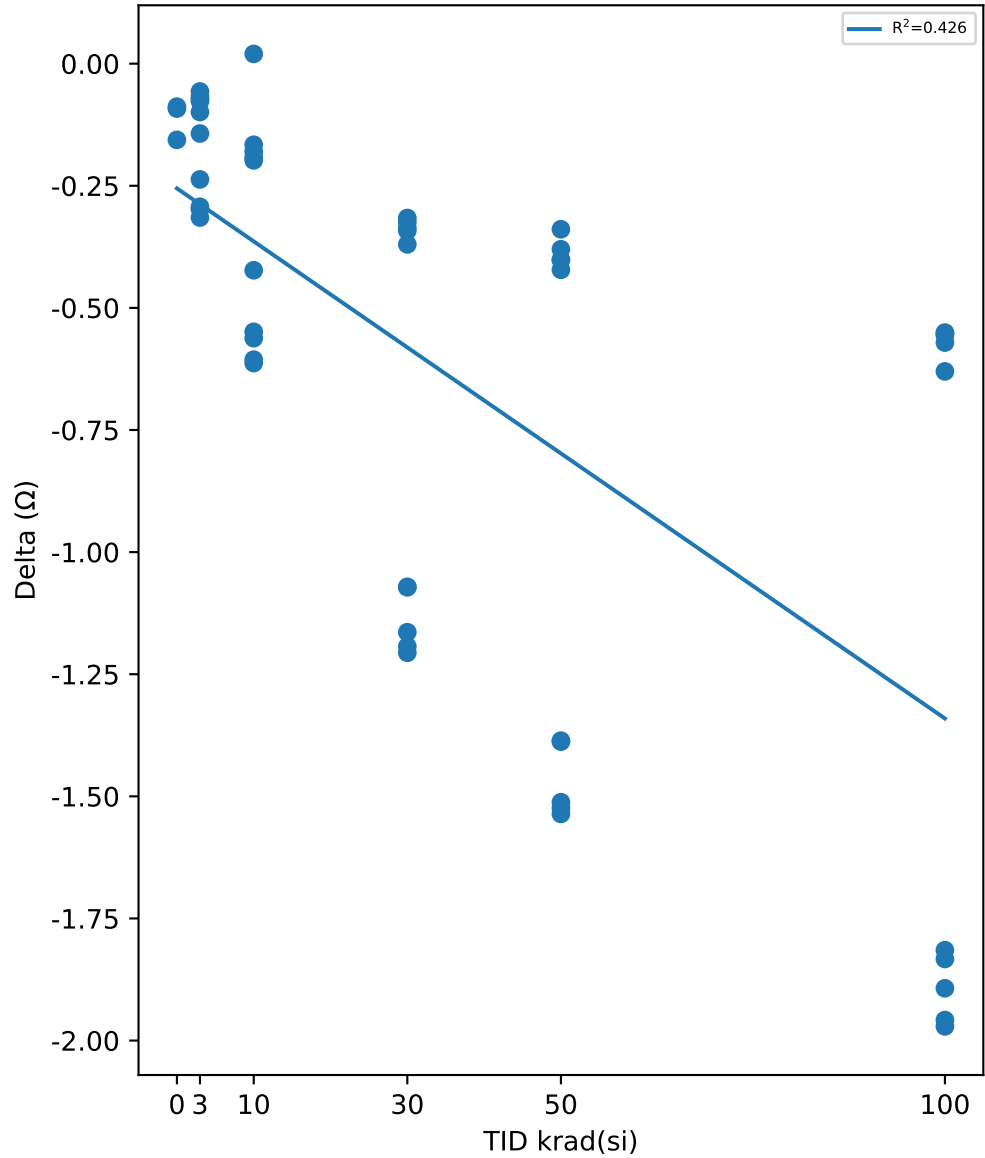
TID vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 20.799     | 20.643      | -0.156 |
| 301      | 0        | Correlation         | 20.639     | 20.551      | -0.088 |
| 302      | 0        | Correlation         | 20.696     | 20.604      | -0.092 |
| 303      | 3        | Bias                | 20.859     | 20.566      | -0.293 |
| 304      | 3        | Bias                | 20.915     | 20.617      | -0.298 |
| 305      | 3        | Bias                | 21.049     | 20.734      | -0.315 |
| 306      | 3        | Bias                | 20.878     | 20.641      | -0.237 |
| 307      | 3        | Bias                | 20.949     | 20.806      | -0.143 |
| 308      | 3        | Unbiased            | 20.988     | 20.889      | -0.099 |
| 309      | 3        | Unbiased            | 20.641     | 20.564      | -0.077 |
| 310      | 3        | Unbiased            | 20.943     | 20.886      | -0.057 |
| 311      | 3        | Unbiased            | 20.65      | 20.582      | -0.068 |
| 312      | 3        | Unbiased            | 20.584     | 20.511      | -0.073 |
| 313      | 10       | Bias                | 21.003     | 20.454      | -0.549 |
| 314      | 10       | Bias                | 20.671     | 20.109      | -0.562 |
| 315      | 10       | Bias                | 20.997     | 20.384      | -0.613 |
| 316      | 10       | Bias                | 20.813     | 20.615      | -0.198 |
| 317      | 10       | Bias                | 21.071     | 20.465      | -0.606 |
| 318      | 10       | Unbiased            | 20.583     | 20.417      | -0.166 |
| 319      | 10       | Unbiased            | 20.954     | 20.774      | -0.18  |
| 320      | 10       | Unbiased            | 20.786     | 20.806      | 0.02   |
| 321      | 10       | Unbiased            | 21.022     | 20.599      | -0.423 |
| 322      | 10       | Unbiased            | 20.795     | 20.603      | -0.192 |
| 323      | 30       | Bias                | 21.005     | 19.934      | -1.071 |
| 324      | 30       | Bias                | 20.936     | 19.864      | -1.072 |
| 325      | 30       | Bias                | 20.739     | 19.533      | -1.206 |
| 326      | 30       | Bias                | 20.798     | 19.605      | -1.193 |
| 327      | 30       | Bias                | 21.13      | 19.966      | -1.164 |
| 328      | 30       | Unbiased            | 20.829     | 20.493      | -0.336 |
| 329      | 30       | Unbiased            | 21.029     | 20.713      | -0.316 |
| 330      | 30       | Unbiased            | 20.711     | 20.387      | -0.324 |
| 331      | 30       | Unbiased            | 20.912     | 20.542      | -0.37  |
| 332      | 30       | Unbiased            | 21.026     | 20.684      | -0.342 |
| 333      | 50       | Bias                | 20.883     | 19.495      | -1.388 |
| 334      | 50       | Bias                | 20.689     | 19.303      | -1.386 |
| 335      | 50       | Bias                | 20.911     | 19.399      | -1.512 |
| 336      | 50       | Bias                | 20.961     | 19.437      | -1.524 |
| 337      | 50       | Bias                | 20.993     | 19.457      | -1.536 |
| 338      | 50       | Unbiased            | 20.8       | 20.378      | -0.422 |
| 339      | 50       | Unbiased            | 20.567     | 20.228      | -0.339 |
| 340      | 50       | Unbiased            | 20.742     | 20.34       | -0.402 |
| 341      | 50       | Unbiased            | 20.931     | 20.53       | -0.401 |
| 342      | 50       | Unbiased            | 20.644     | 20.264      | -0.38  |
| 343      | 100      | Bias                | 20.649     | 18.834      | -1.815 |
| 344      | 100      | Bias                | 20.807     | 18.974      | -1.833 |
| 345      | 100      | Bias                | 20.822     | 18.864      | -1.958 |
| 346      | 100      | Bias                | 20.89      | 18.919      | -1.971 |
| 347      | 100      | Bias                | 20.864     | 18.971      | -1.893 |
| 348      | 100      | Unbiased            | 20.608     | 20.057      | -0.551 |
| 349      | 100      | Unbiased            | 21.026     | 20.455      | -0.571 |
| 350      | 100      | Unbiased            | 20.657     | 20.027      | -0.63  |
| 351      | 100      | Unbiased            | 20.541     | 19.985      | -0.556 |
| 352      | 100      | Unbiased            | 20.577     | 20.026      | -0.551 |

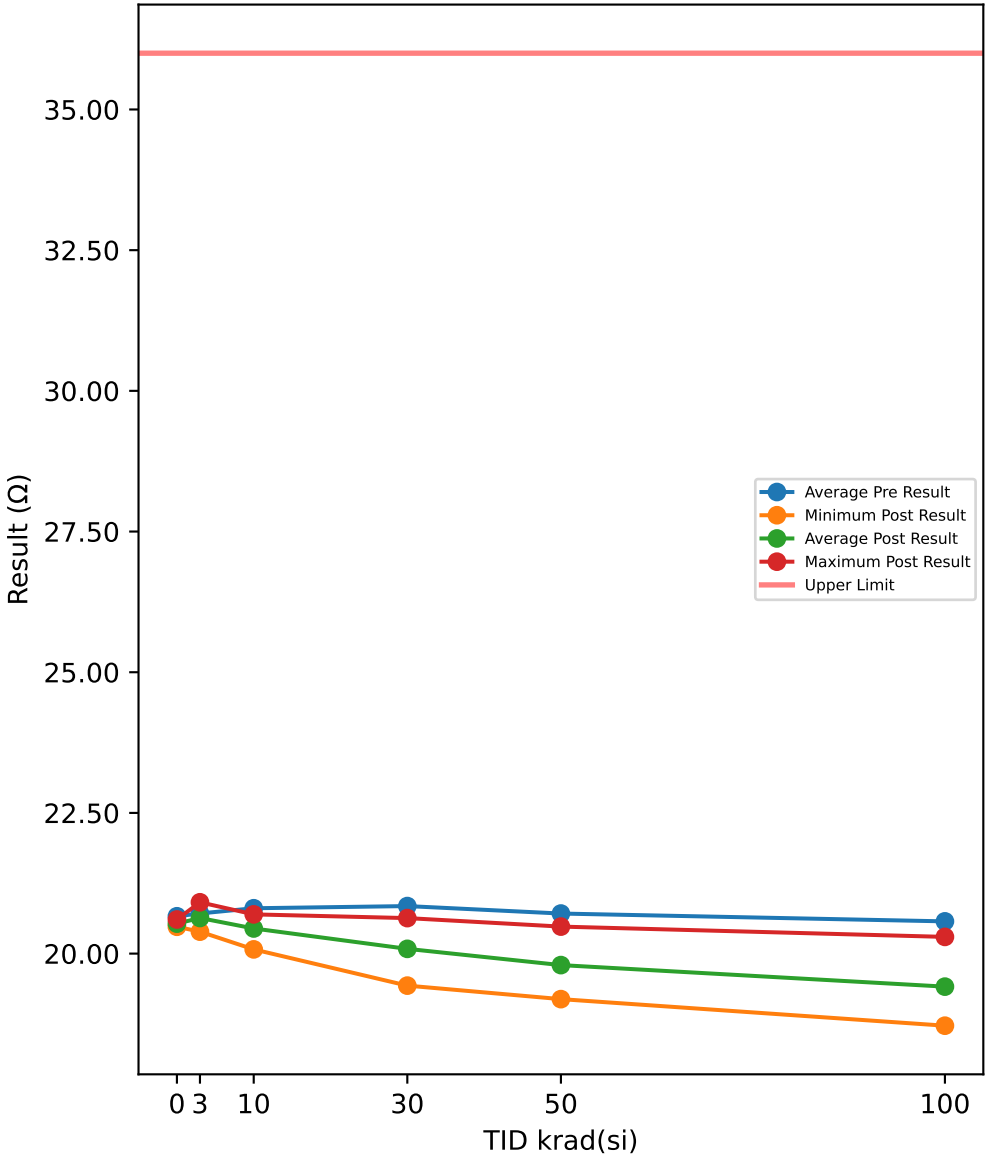
TID vs Post - Pre Exposure Delta



Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 20.639           | 20.711           | 20.799           | 0.081095         | 20.551            | 20.599            | 20.643            | 0.046177          | -0.156    | -0.112    | -0.088    | 0.038158  |
| 3        | 20.584           | 20.846           | 21.049           | 0.16208          | 20.511            | 20.68             | 20.889            | 0.13945           | -0.315    | -0.166    | -0.057    | 0.10743   |
| 10       | 20.583           | 20.869           | 21.071           | 0.16407          | 20.109            | 20.523            | 20.806            | 0.2038            | -0.613    | -0.3469   | 0.02      | 0.22906   |
| 30       | 20.711           | 20.912           | 21.13            | 0.1389           | 19.533            | 20.172            | 20.713            | 0.44281           | -1.206    | -0.7394   | -0.316    | 0.426     |
| 50       | 20.567           | 20.812           | 20.993           | 0.14621          | 19.303            | 19.883            | 20.53             | 0.49869           | -1.536    | -0.929    | -0.339    | 0.57203   |
| 100      | 20.541           | 20.744           | 21.026           | 0.15968          | 18.834            | 19.511            | 20.455            | 0.64574           | -1.971    | -1.2329   | -0.551    | 0.69881   |

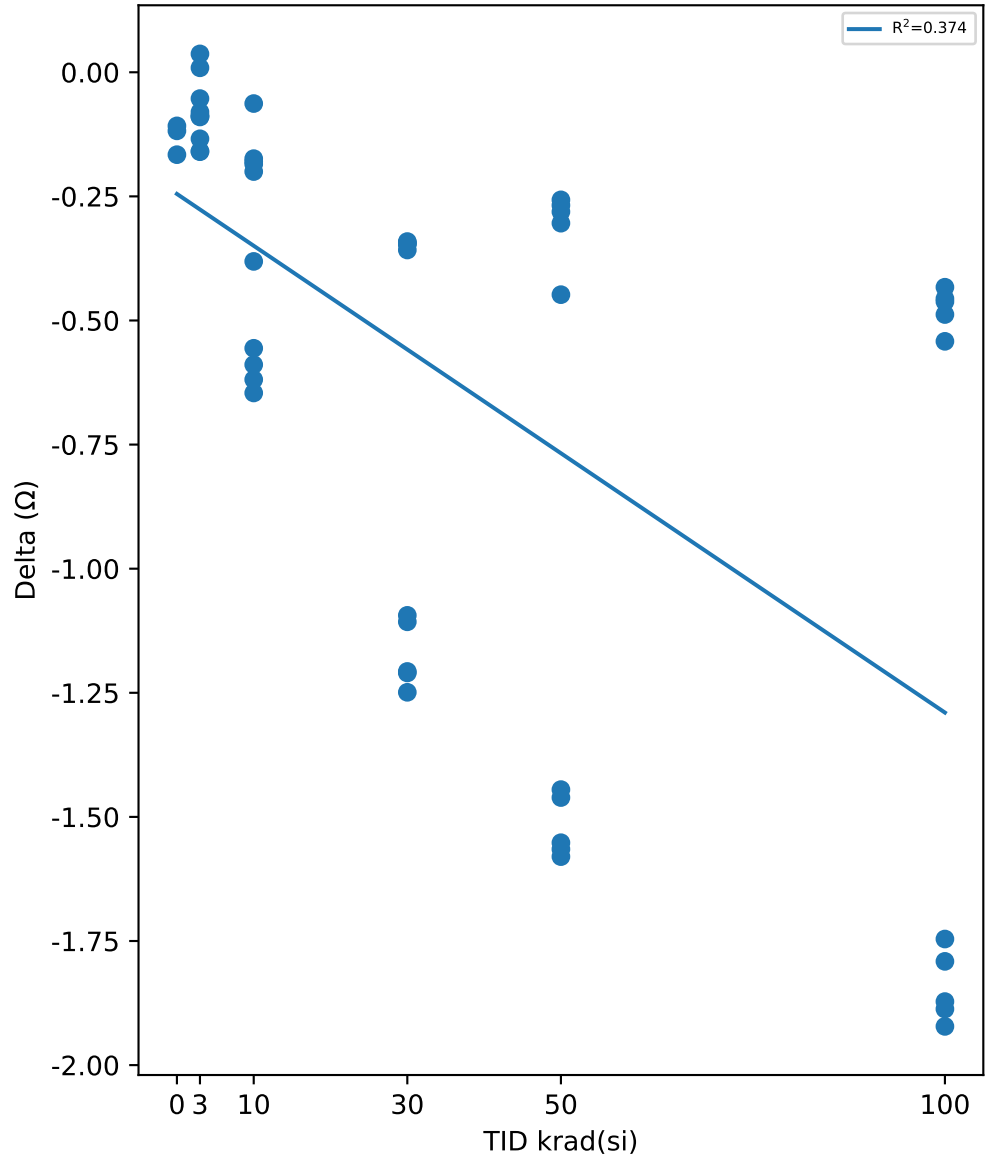
TID vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 20.772     | 20.606      | -0.166 |
| 301      | 0        | Correlation         | 20.595     | 20.477      | -0.118 |
| 302      | 0        | Correlation         | 20.623     | 20.515      | -0.108 |
| 303      | 3        | Bias                | 20.623     | 20.489      | -0.134 |
| 304      | 3        | Bias                | 20.869     | 20.709      | -0.16  |
| 305      | 3        | Bias                | 20.733     | 20.574      | -0.159 |
| 306      | 3        | Bias                | 20.74      | 20.65       | -0.09  |
| 307      | 3        | Bias                | 20.726     | 20.735      | 0.009  |
| 308      | 3        | Unbiased            | 20.875     | 20.912      | 0.037  |
| 309      | 3        | Unbiased            | 20.649     | 20.569      | -0.08  |
| 310      | 3        | Unbiased            | 20.881     | 20.828      | -0.053 |
| 311      | 3        | Unbiased            | 20.56      | 20.473      | -0.087 |
| 312      | 3        | Unbiased            | 20.479     | 20.39       | -0.089 |
| 313      | 10       | Bias                | 20.967     | 20.411      | -0.556 |
| 314      | 10       | Bias                | 20.664     | 20.075      | -0.589 |
| 315      | 10       | Bias                | 20.89      | 20.244      | -0.646 |
| 316      | 10       | Bias                | 20.742     | 20.568      | -0.174 |
| 317      | 10       | Bias                | 21.008     | 20.389      | -0.619 |
| 318      | 10       | Unbiased            | 20.482     | 20.302      | -0.18  |
| 319      | 10       | Unbiased            | 20.83      | 20.645      | -0.185 |
| 320      | 10       | Unbiased            | 20.76      | 20.697      | -0.063 |
| 321      | 10       | Unbiased            | 20.931     | 20.55       | -0.381 |
| 322      | 10       | Unbiased            | 20.785     | 20.585      | -0.2   |
| 323      | 30       | Bias                | 20.971     | 19.864      | -1.107 |
| 324      | 30       | Bias                | 20.819     | 19.725      | -1.094 |
| 325      | 30       | Bias                | 20.746     | 19.497      | -1.249 |
| 326      | 30       | Bias                | 20.641     | 19.431      | -1.21  |
| 327      | 30       | Bias                | 21.089     | 19.882      | -1.207 |
| 328      | 30       | Unbiased            | 20.691     | 20.348      | -0.343 |
| 329      | 30       | Unbiased            | 20.972     | 20.631      | -0.341 |
| 330      | 30       | Unbiased            | 20.616     | 20.27       | -0.346 |
| 331      | 30       | Unbiased            | 20.981     | 20.623      | -0.358 |
| 332      | 30       | Unbiased            | 20.919     | 20.573      | -0.346 |
| 333      | 50       | Bias                | 20.786     | 19.341      | -1.445 |
| 334      | 50       | Bias                | 20.652     | 19.191      | -1.461 |
| 335      | 50       | Bias                | 20.868     | 19.303      | -1.565 |
| 336      | 50       | Bias                | 20.983     | 19.431      | -1.552 |
| 337      | 50       | Bias                | 20.936     | 19.356      | -1.58  |
| 338      | 50       | Unbiased            | 20.728     | 20.28       | -0.448 |
| 339      | 50       | Unbiased            | 20.399     | 20.142      | -0.257 |
| 340      | 50       | Unbiased            | 20.532     | 20.228      | -0.304 |
| 341      | 50       | Unbiased            | 20.748     | 20.48       | -0.268 |
| 342      | 50       | Unbiased            | 20.487     | 20.206      | -0.281 |
| 343      | 100      | Bias                | 20.465     | 18.719      | -1.746 |
| 344      | 100      | Bias                | 20.69      | 18.899      | -1.791 |
| 345      | 100      | Bias                | 20.614     | 18.742      | -1.872 |
| 346      | 100      | Bias                | 20.864     | 18.942      | -1.922 |
| 347      | 100      | Bias                | 20.746     | 18.859      | -1.887 |
| 348      | 100      | Unbiased            | 20.432     | 19.97       | -0.462 |
| 349      | 100      | Unbiased            | 20.73      | 20.297      | -0.433 |
| 350      | 100      | Unbiased            | 20.439     | 19.897      | -0.542 |
| 351      | 100      | Unbiased            | 20.49      | 20.002      | -0.488 |
| 352      | 100      | Unbiased            | 20.259     | 19.803      | -0.456 |

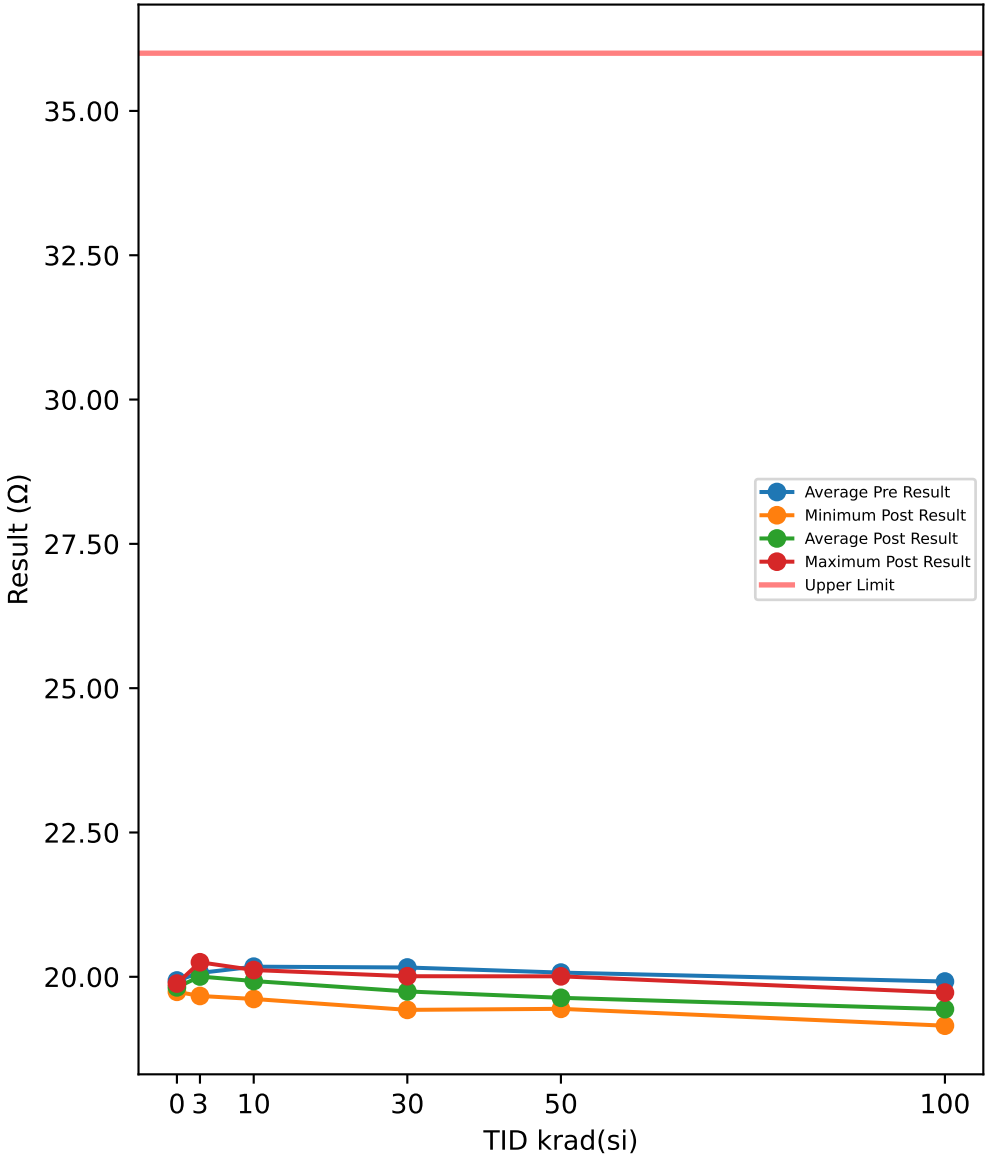
TID vs Post - Pre Exposure Delta



Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 20.595           | 20.663           | 20.772           | 0.095144         | 20.477            | 20.533            | 20.606            | 0.06629           | -0.166    | -0.13067  | -0.108    | 0.031005  |
| 3        | 20.479           | 20.713           | 20.881           | 0.13762          | 20.39             | 20.633            | 20.912            | 0.16509           | -0.16     | -0.0806   | 0.037     | 0.065083  |
| 10       | 20.482           | 20.806           | 21.008           | 0.15698          | 20.075            | 20.447            | 20.697            | 0.19756           | -0.646    | -0.3593   | -0.063    | 0.224     |
| 30       | 20.616           | 20.845           | 21.089           | 0.16457          | 19.431            | 20.084            | 20.631            | 0.46215           | -1.249    | -0.7601   | -0.341    | 0.43808   |
| 50       | 20.399           | 20.712           | 20.983           | 0.19424          | 19.191            | 19.796            | 20.48             | 0.50766           | -1.58     | -0.9161   | -0.257    | 0.6407    |
| 100      | 20.259           | 20.573           | 20.864           | 0.18548          | 18.719            | 19.413            | 20.297            | 0.62803           | -1.922    | -1.1599   | -0.433    | 0.72284   |

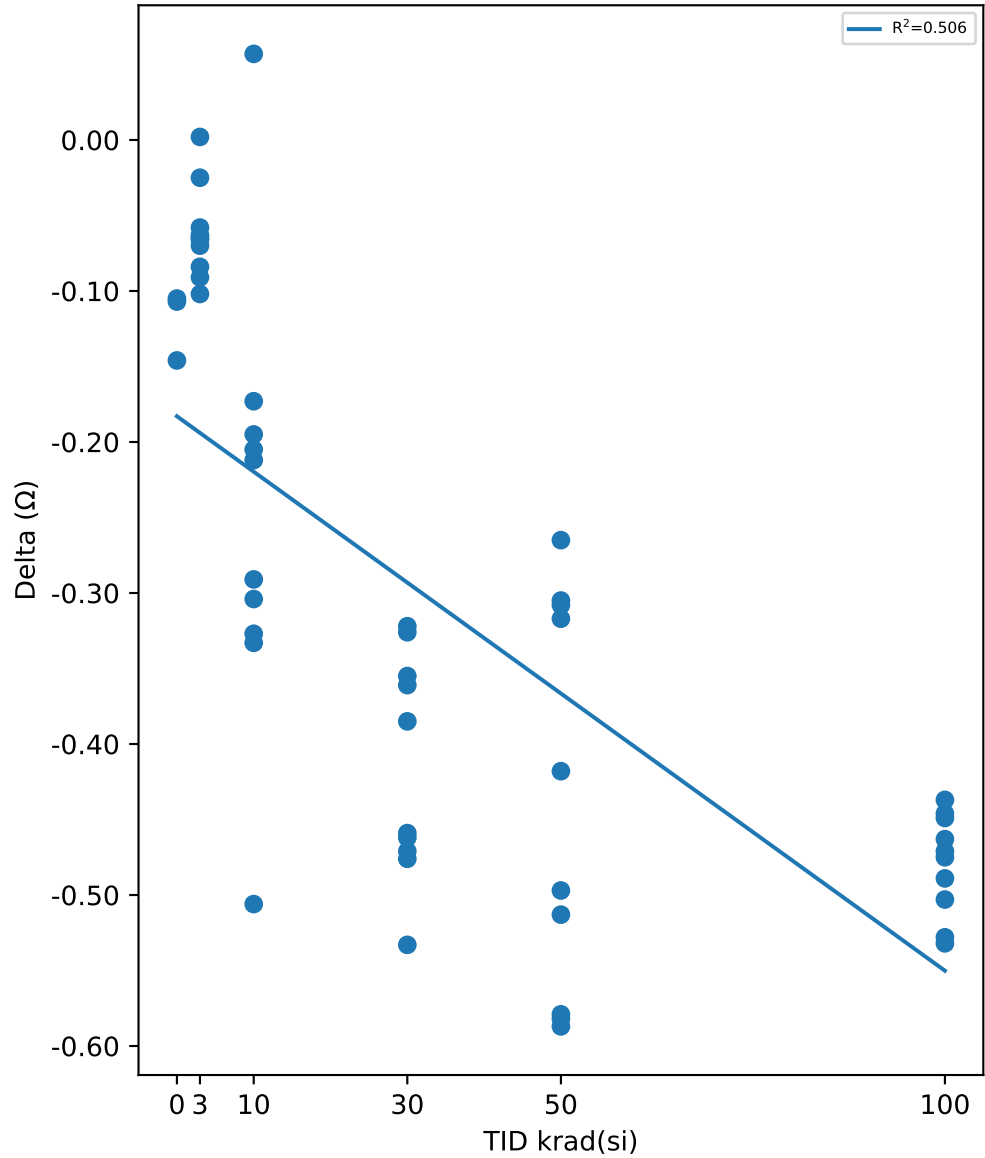
TID vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 20.029     | 19.883      | -0.146 |
| 301      | 0        | Correlation         | 19.847     | 19.74       | -0.107 |
| 302      | 0        | Correlation         | 19.933     | 19.828      | -0.105 |
| 303      | 3        | Bias                | 19.976     | 19.885      | -0.091 |
| 304      | 3        | Bias                | 20.317     | 20.252      | -0.065 |
| 305      | 3        | Bias                | 20.192     | 20.09       | -0.102 |
| 306      | 3        | Bias                | 20.089     | 20.023      | -0.066 |
| 307      | 3        | Bias                | 20.135     | 20.11       | -0.025 |
| 308      | 3        | Unbiased            | 20.211     | 20.213      | 0.002  |
| 309      | 3        | Unbiased            | 19.949     | 19.865      | -0.084 |
| 310      | 3        | Unbiased            | 20.242     | 20.184      | -0.058 |
| 311      | 3        | Unbiased            | 19.83      | 19.76       | -0.07  |
| 312      | 3        | Unbiased            | 19.731     | 19.668      | -0.063 |
| 313      | 10       | Bias                | 20.338     | 20.034      | -0.304 |
| 314      | 10       | Bias                | 19.987     | 19.696      | -0.291 |
| 315      | 10       | Bias                | 20.318     | 19.991      | -0.327 |
| 316      | 10       | Bias                | 20.04      | 19.845      | -0.195 |
| 317      | 10       | Bias                | 20.45      | 20.117      | -0.333 |
| 318      | 10       | Unbiased            | 19.789     | 19.616      | -0.173 |
| 319      | 10       | Unbiased            | 20.204     | 19.999      | -0.205 |
| 320      | 10       | Unbiased            | 20.049     | 20.106      | 0.057  |
| 321      | 10       | Unbiased            | 20.359     | 19.853      | -0.506 |
| 322      | 10       | Unbiased            | 20.221     | 20.009      | -0.212 |
| 323      | 30       | Bias                | 20.333     | 19.857      | -0.476 |
| 324      | 30       | Bias                | 20.143     | 19.681      | -0.462 |
| 325      | 30       | Bias                | 20.036     | 19.565      | -0.471 |
| 326      | 30       | Bias                | 19.886     | 19.427      | -0.459 |
| 327      | 30       | Bias                | 20.503     | 19.97       | -0.533 |
| 328      | 30       | Unbiased            | 19.941     | 19.615      | -0.326 |
| 329      | 30       | Unbiased            | 20.365     | 20.01       | -0.355 |
| 330      | 30       | Unbiased            | 19.89      | 19.568      | -0.322 |
| 331      | 30       | Unbiased            | 20.283     | 19.898      | -0.385 |
| 332      | 30       | Unbiased            | 20.235     | 19.874      | -0.361 |
| 333      | 50       | Bias                | 20.062     | 19.549      | -0.513 |
| 334      | 50       | Bias                | 19.962     | 19.465      | -0.497 |
| 335      | 50       | Bias                | 20.276     | 19.697      | -0.579 |
| 336      | 50       | Bias                | 20.34      | 19.758      | -0.582 |
| 337      | 50       | Bias                | 20.258     | 19.671      | -0.587 |
| 338      | 50       | Unbiased            | 20.012     | 19.594      | -0.418 |
| 339      | 50       | Unbiased            | 19.71      | 19.445      | -0.265 |
| 340      | 50       | Unbiased            | 19.969     | 19.661      | -0.308 |
| 341      | 50       | Unbiased            | 20.325     | 20.008      | -0.317 |
| 342      | 50       | Unbiased            | 19.817     | 19.512      | -0.305 |
| 343      | 100      | Bias                | 19.757     | 19.294      | -0.463 |
| 344      | 100      | Bias                | 20.073     | 19.57       | -0.503 |
| 345      | 100      | Bias                | 20.098     | 19.566      | -0.532 |
| 346      | 100      | Bias                | 20.103     | 19.614      | -0.489 |
| 347      | 100      | Bias                | 19.944     | 19.495      | -0.449 |
| 348      | 100      | Unbiased            | 19.825     | 19.379      | -0.446 |
| 349      | 100      | Unbiased            | 20.198     | 19.727      | -0.471 |
| 350      | 100      | Unbiased            | 19.776     | 19.248      | -0.528 |
| 351      | 100      | Unbiased            | 19.821     | 19.346      | -0.475 |
| 352      | 100      | Unbiased            | 19.59      | 19.153      | -0.437 |

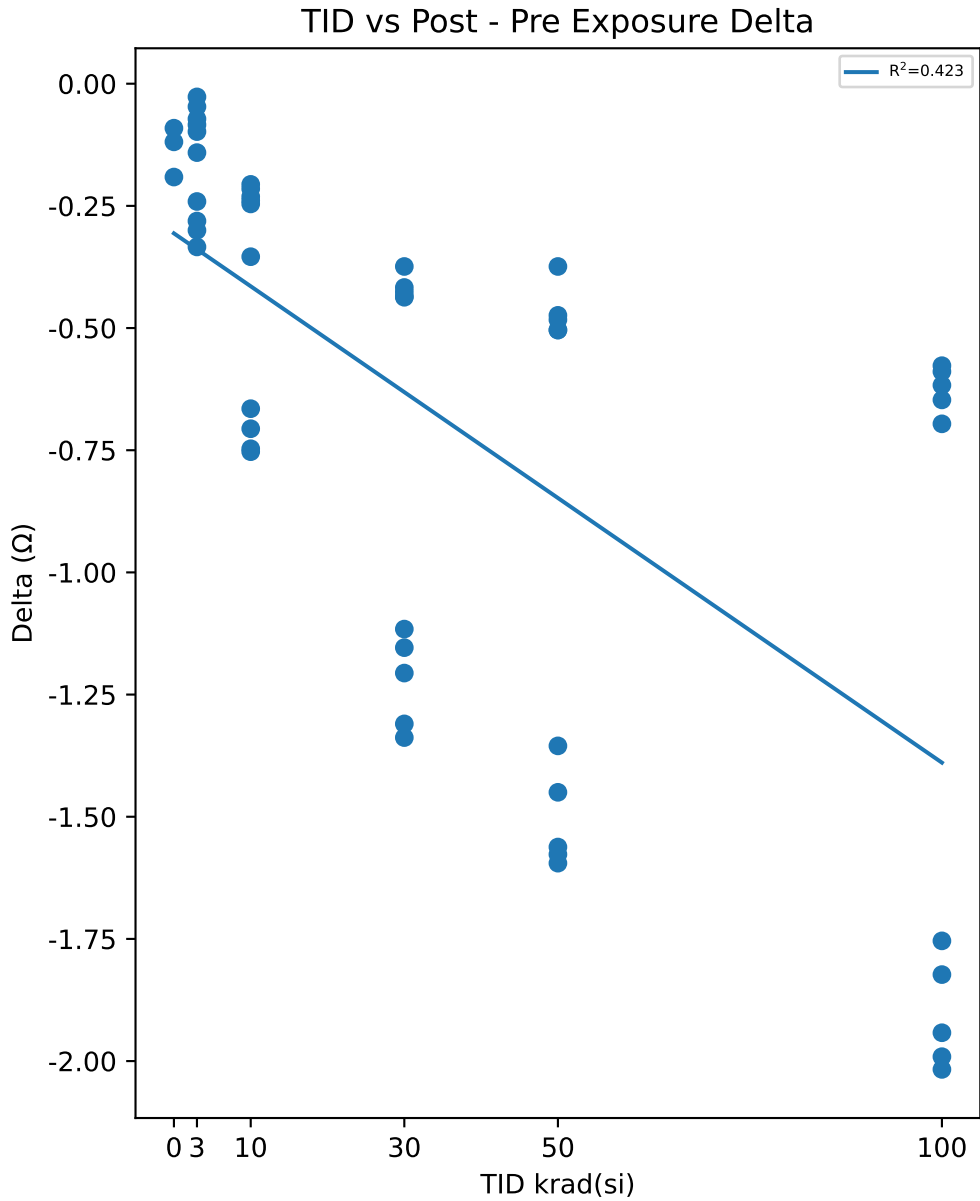
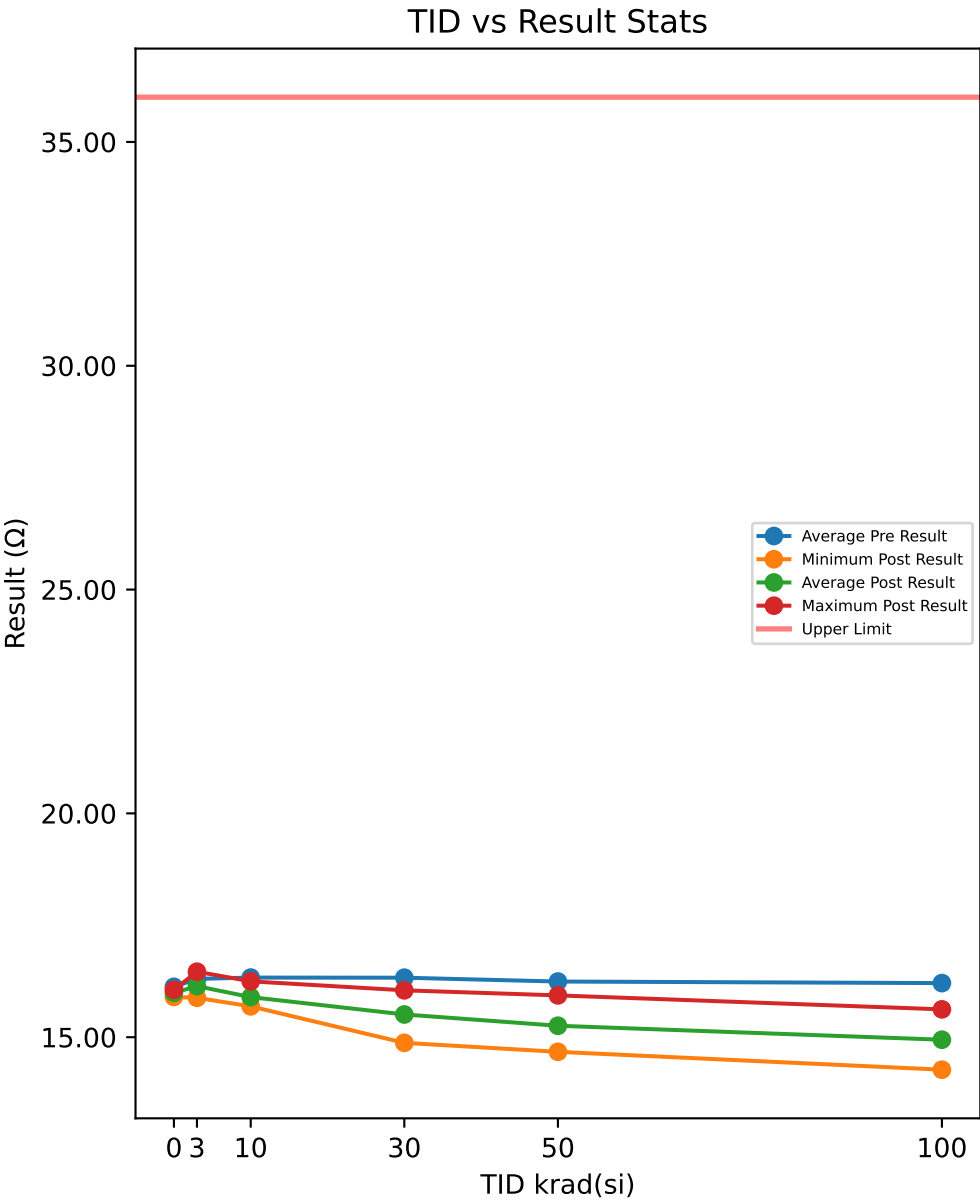
TID vs Post - Pre Exposure Delta



Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 19.847           | 19.936           | 20.029           | 0.091046         | 19.74             | 19.817            | 19.883            | 0.072132          | -0.146    | -0.11933  | -0.105    | 0.023116  |
| 3        | 19.731           | 20.067           | 20.317           | 0.19028          | 19.668            | 20.005            | 20.252            | 0.20069           | -0.102    | -0.0622   | 0.002     | 0.030724  |
| 10       | 19.789           | 20.175           | 20.45            | 0.20491          | 19.616            | 19.927            | 20.117            | 0.16927           | -0.506    | -0.2489   | 0.057     | 0.14515   |
| 30       | 19.886           | 20.162           | 20.503           | 0.21652          | 19.427            | 19.747            | 20.01             | 0.1998            | -0.533    | -0.415    | -0.322    | 0.07372   |
| 50       | 19.71            | 20.073           | 20.34            | 0.21972          | 19.445            | 19.636            | 20.008            | 0.16642           | -0.587    | -0.4371   | -0.265    | 0.12973   |
| 100      | 19.59            | 19.919           | 20.198           | 0.19478          | 19.153            | 19.439            | 19.727            | 0.18304           | -0.532    | -0.4793   | -0.437    | 0.03329   |

Device Test: 18.28 ; PWRGD\_RNMOS

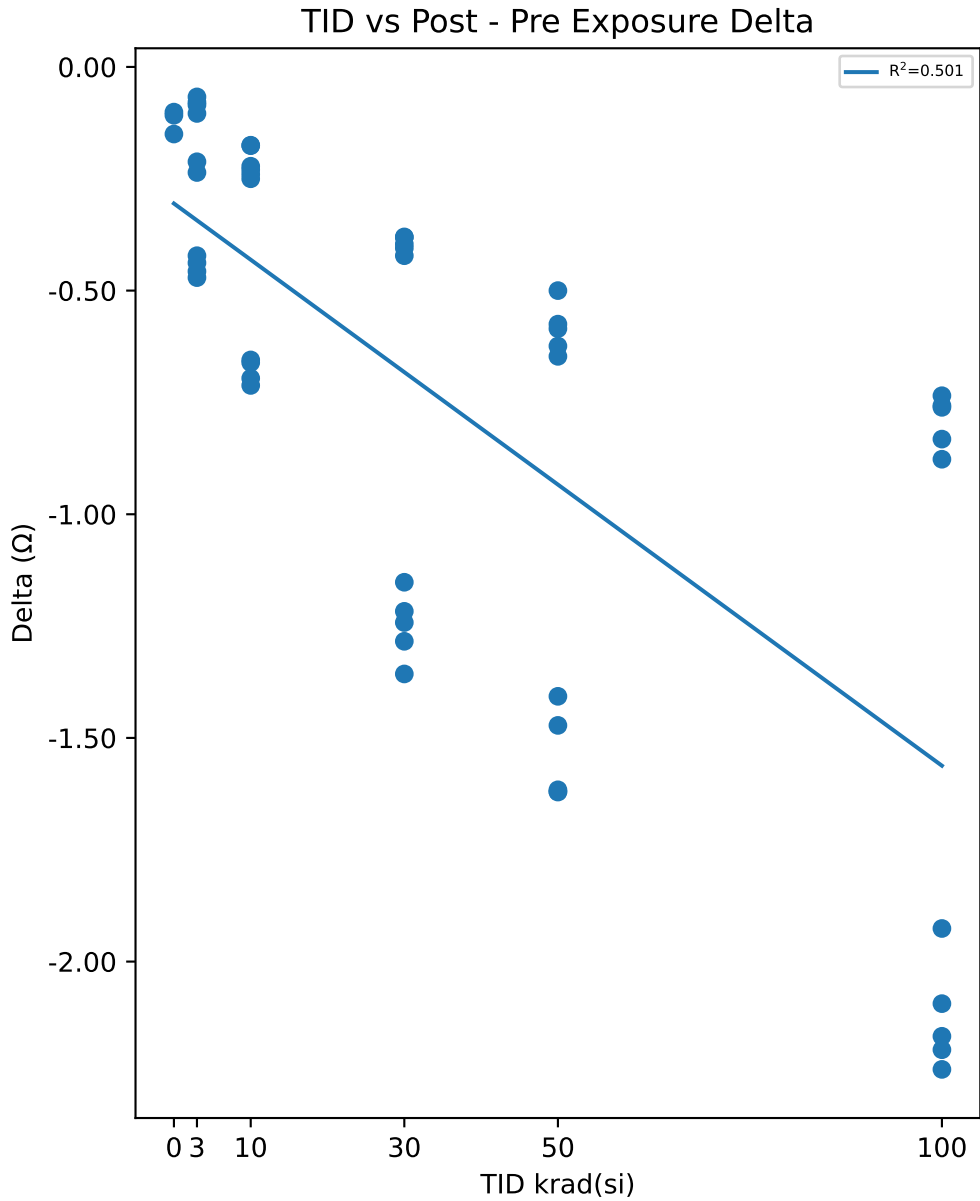
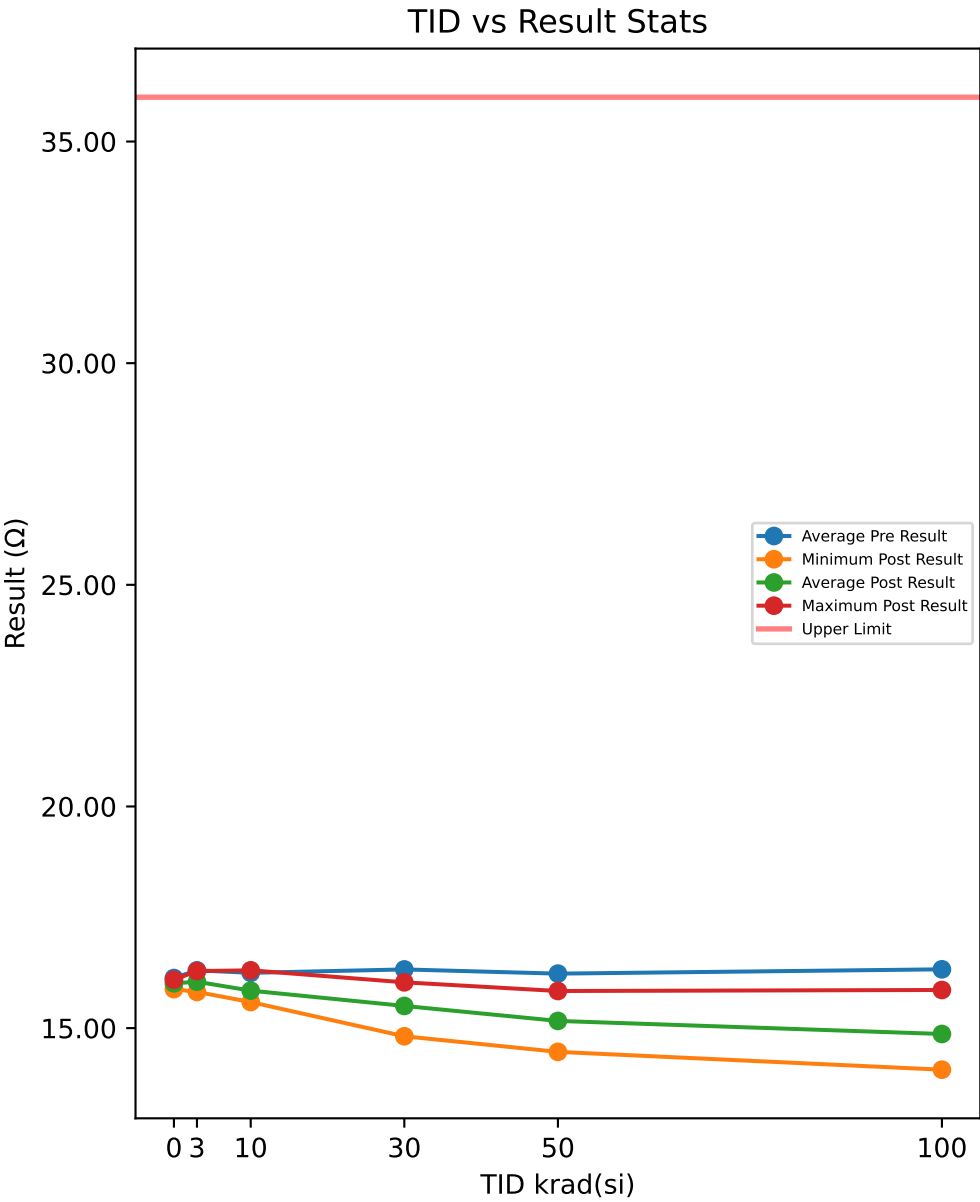


| Test Results (Upper Limit = 36.0 (Ω)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 16.249     | 16.058      | -0.191 |
| 301                                   | 0        | Correlation         | 15.99      | 15.899      | -0.091 |
| 302                                   | 0        | Correlation         | 16.137     | 16.018      | -0.119 |
| 303                                   | 3        | Bias                | 16.413     | 16.113      | -0.3   |
| 304                                   | 3        | Bias                | 16.511     | 16.23       | -0.281 |
| 305                                   | 3        | Bias                | 16.356     | 16.022      | -0.334 |
| 306                                   | 3        | Bias                | 16.121     | 15.88       | -0.241 |
| 307                                   | 3        | Bias                | 16.43      | 16.383      | -0.047 |
| 308                                   | 3        | Unbiased            | 16.49      | 16.463      | -0.027 |
| 309                                   | 3        | Unbiased            | 16.243     | 16.102      | -0.141 |
| 310                                   | 3        | Unbiased            | 16.423     | 16.351      | -0.072 |
| 311                                   | 3        | Unbiased            | 15.999     | 15.915      | -0.084 |
| 312                                   | 3        | Unbiased            | 16.04      | 15.942      | -0.098 |
| 313                                   | 10       | Bias                | 16.375     | 15.71       | -0.665 |
| 314                                   | 10       | Bias                | 16.462     | 15.756      | -0.706 |
| 315                                   | 10       | Bias                | 16.471     | 15.718      | -0.753 |
| 316                                   | 10       | Bias                | 16.143     | 15.912      | -0.231 |
| 317                                   | 10       | Bias                | 16.436     | 15.689      | -0.747 |
| 318                                   | 10       | Unbiased            | 16.196     | 15.95       | -0.246 |
| 319                                   | 10       | Unbiased            | 16.463     | 16.248      | -0.215 |
| 320                                   | 10       | Unbiased            | 16.119     | 15.913      | -0.206 |
| 321                                   | 10       | Unbiased            | 16.228     | 15.874      | -0.354 |
| 322                                   | 10       | Unbiased            | 16.425     | 16.186      | -0.239 |
| 323                                   | 30       | Bias                | 16.642     | 15.436      | -1.206 |
| 324                                   | 30       | Bias                | 16.266     | 15.15       | -1.116 |
| 325                                   | 30       | Bias                | 16.41      | 15.1        | -1.31  |
| 326                                   | 30       | Bias                | 16.028     | 14.874      | -1.154 |
| 327                                   | 30       | Bias                | 16.647     | 15.309      | -1.338 |
| 328                                   | 30       | Unbiased            | 16.134     | 15.76       | -0.374 |
| 329                                   | 30       | Unbiased            | 16.367     | 15.941      | -0.426 |
| 330                                   | 30       | Unbiased            | 16.123     | 15.706      | -0.417 |
| 331                                   | 30       | Unbiased            | 16.19      | 15.755      | -0.435 |
| 332                                   | 30       | Unbiased            | 16.484     | 16.047      | -0.437 |
| 333                                   | 50       | Bias                | 16.028     | 14.673      | -1.355 |
| 334                                   | 50       | Bias                | 16.216     | 14.766      | -1.45  |
| 335                                   | 50       | Bias                | 16.364     | 14.787      | -1.577 |
| 336                                   | 50       | Bias                | 16.318     | 14.756      | -1.562 |
| 337                                   | 50       | Bias                | 16.352     | 14.757      | -1.595 |
| 338                                   | 50       | Unbiased            | 16.192     | 15.688      | -0.504 |
| 339                                   | 50       | Unbiased            | 15.989     | 15.615      | -0.374 |
| 340                                   | 50       | Unbiased            | 16.36      | 15.856      | -0.504 |
| 341                                   | 50       | Unbiased            | 16.417     | 15.934      | -0.483 |
| 342                                   | 50       | Unbiased            | 16.2       | 15.726      | -0.474 |
| 343                                   | 100      | Bias                | 16.028     | 14.274      | -1.754 |
| 344                                   | 100      | Bias                | 16.201     | 14.378      | -1.823 |
| 345                                   | 100      | Bias                | 16.4       | 14.409      | -1.991 |
| 346                                   | 100      | Bias                | 16.467     | 14.45       | -2.017 |
| 347                                   | 100      | Bias                | 16.3       | 14.358      | -1.942 |
| 348                                   | 100      | Unbiased            | 16.104     | 15.515      | -0.589 |
| 349                                   | 100      | Unbiased            | 16.239     | 15.622      | -0.617 |
| 350                                   | 100      | Unbiased            | 16.166     | 15.47       | -0.696 |
| 351                                   | 100      | Unbiased            | 16.196     | 15.549      | -0.647 |
| 352                                   | 100      | Unbiased            | 15.988     | 15.411      | -0.577 |

| Test Statistics (Ω) |                  |                  |                  |                  |                   |                   |                   |                   |           |           |           |           |
|---------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| krad(si)            | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
| 0                   | 15.99            | 16.125           | 16.249           | 0.12989          | 15.899            | 15.992            | 16.058            | 0.082706          | -0.191    | -0.13367  | -0.091    | 0.051588  |
| 3                   | 15.999           | 16.303           | 16.511           | 0.18914          | 15.88             | 16.14             | 16.463            | 0.20804           | -0.334    | -0.1625   | -0.027    | 0.11508   |
| 10                  | 16.119           | 16.332           | 16.471           | 0.14341          | 15.689            | 15.896            | 16.248            | 0.19456           | -0.753    | -0.4362   | -0.206    | 0.24675   |
| 30                  | 16.028           | 16.329           | 16.647           | 0.21743          | 14.874            | 15.508            | 16.047            | 0.39202           | -1.338    | -0.8213   | -0.374    | 0.43051   |
| 50                  | 15.989           | 16.244           | 16.417           | 0.14607          | 14.673            | 15.256            | 15.934            | 0.54314           | -1.595    | -0.9878   | -0.374    | 0.55354   |
| 100                 | 15.988           | 16.209           | 16.467           | 0.15163          | 14.274            | 14.944            | 15.622            | 0.60456           | -2.017    | -1.2653   | -0.577    | 0.67965   |



Device Test: 18.29 ; WDO\_RNMOS



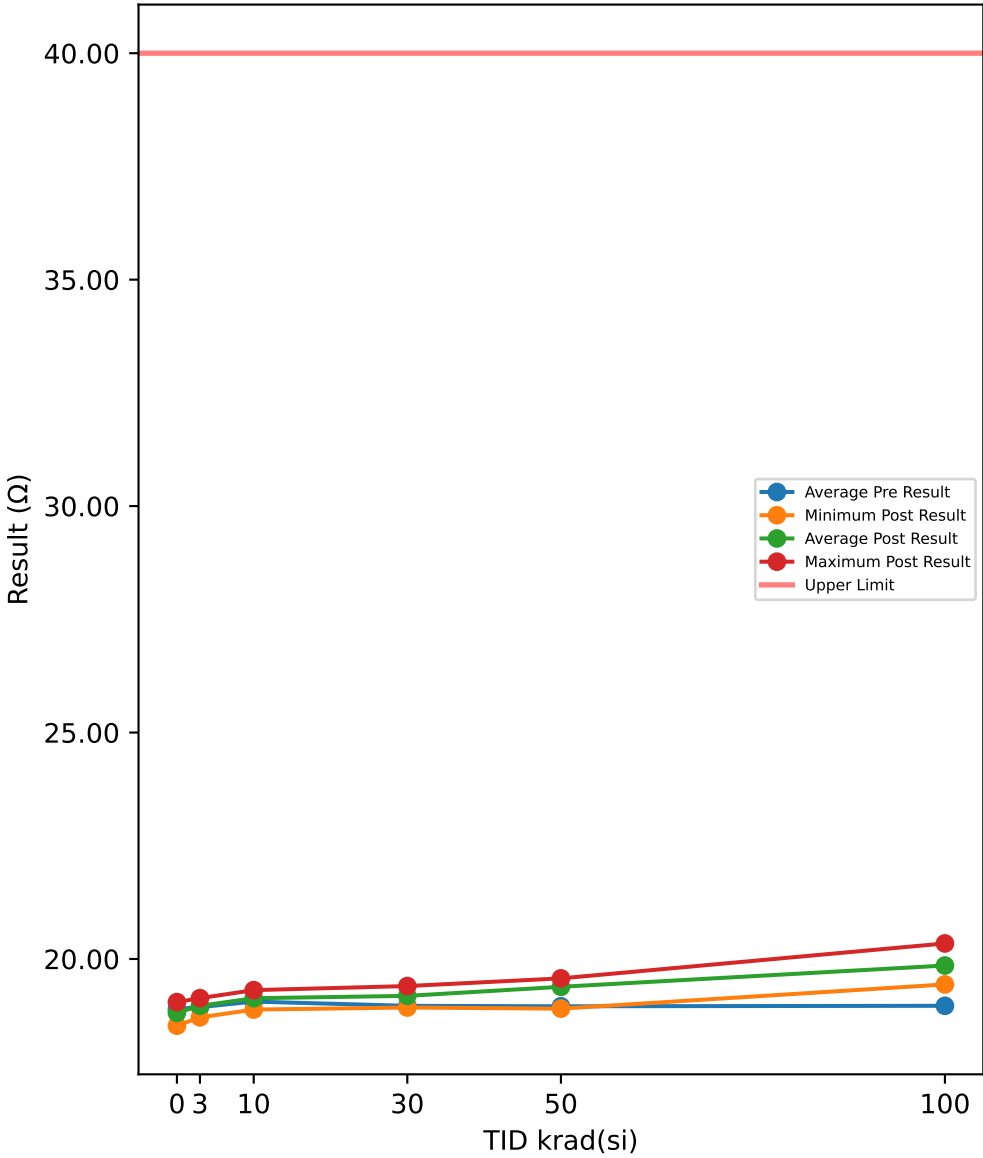
| Test Results (Upper Limit = 36.0 (Ω)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 16.242     | 16.092      | -0.15  |
| 301                                   | 0        | Correlation         | 15.981     | 15.88       | -0.101 |
| 302                                   | 0        | Correlation         | 16.167     | 16.059      | -0.108 |
| 303                                   | 3        | Bias                | 16.461     | 16.023      | -0.438 |
| 304                                   | 3        | Bias                | 16.499     | 16.042      | -0.457 |
| 305                                   | 3        | Bias                | 16.489     | 16.018      | -0.471 |
| 306                                   | 3        | Bias                | 16.382     | 15.96       | -0.422 |
| 307                                   | 3        | Bias                | 16.501     | 16.265      | -0.236 |
| 308                                   | 3        | Unbiased            | 16.498     | 16.286      | -0.212 |
| 309                                   | 3        | Unbiased            | 16.127     | 16.023      | -0.104 |
| 310                                   | 3        | Unbiased            | 16.225     | 16.158      | -0.067 |
| 311                                   | 3        | Unbiased            | 15.954     | 15.869      | -0.085 |
| 312                                   | 3        | Unbiased            | 15.895     | 15.816      | -0.079 |
| 313                                   | 10       | Bias                | 16.383     | 15.728      | -0.655 |
| 314                                   | 10       | Bias                | 16.249     | 15.588      | -0.661 |
| 315                                   | 10       | Bias                | 16.348     | 15.636      | -0.712 |
| 316                                   | 10       | Bias                | 16.122     | 15.892      | -0.23  |
| 317                                   | 10       | Bias                | 16.362     | 15.666      | -0.696 |
| 318                                   | 10       | Unbiased            | 15.907     | 15.731      | -0.176 |
| 319                                   | 10       | Unbiased            | 16.479     | 16.304      | -0.175 |
| 320                                   | 10       | Unbiased            | 16.159     | 15.919      | -0.24  |
| 321                                   | 10       | Unbiased            | 16.177     | 15.927      | -0.25  |
| 322                                   | 10       | Unbiased            | 16.284     | 16.062      | -0.222 |
| 323                                   | 30       | Bias                | 16.622     | 15.405      | -1.217 |
| 324                                   | 30       | Bias                | 16.283     | 15.131      | -1.152 |
| 325                                   | 30       | Bias                | 16.213     | 14.929      | -1.284 |
| 326                                   | 30       | Bias                | 16.058     | 14.816      | -1.242 |
| 327                                   | 30       | Bias                | 16.711     | 15.354      | -1.357 |
| 328                                   | 30       | Unbiased            | 16.168     | 15.788      | -0.38  |
| 329                                   | 30       | Unbiased            | 16.361     | 15.98       | -0.381 |
| 330                                   | 30       | Unbiased            | 16.139     | 15.734      | -0.405 |
| 331                                   | 30       | Unbiased            | 16.253     | 15.831      | -0.422 |
| 332                                   | 30       | Unbiased            | 16.429     | 16.033      | -0.396 |
| 333                                   | 50       | Bias                | 15.871     | 14.464      | -1.407 |
| 334                                   | 50       | Bias                | 16.144     | 14.672      | -1.472 |
| 335                                   | 50       | Bias                | 16.261     | 14.645      | -1.616 |
| 336                                   | 50       | Bias                | 16.328     | 14.708      | -1.62  |
| 337                                   | 50       | Bias                | 16.271     | 14.65       | -1.621 |
| 338                                   | 50       | Unbiased            | 16.187     | 15.687      | -0.5   |
| 339                                   | 50       | Unbiased            | 16.227     | 15.652      | -0.575 |
| 340                                   | 50       | Unbiased            | 16.366     | 15.719      | -0.647 |
| 341                                   | 50       | Unbiased            | 16.461     | 15.837      | -0.624 |
| 342                                   | 50       | Unbiased            | 16.174     | 15.589      | -0.585 |
| 343                                   | 100      | Bias                | 15.988     | 14.062      | -1.926 |
| 344                                   | 100      | Bias                | 16.362     | 14.268      | -2.094 |
| 345                                   | 100      | Bias                | 16.377     | 14.21       | -2.167 |
| 346                                   | 100      | Bias                | 16.581     | 14.34       | -2.241 |
| 347                                   | 100      | Bias                | 16.445     | 14.248      | -2.197 |
| 348                                   | 100      | Unbiased            | 16.164     | 15.403      | -0.761 |
| 349                                   | 100      | Unbiased            | 16.617     | 15.86       | -0.757 |
| 350                                   | 100      | Unbiased            | 16.368     | 15.491      | -0.877 |
| 351                                   | 100      | Unbiased            | 16.387     | 15.555      | -0.832 |
| 352                                   | 100      | Unbiased            | 15.972     | 15.237      | -0.735 |

Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 15.981           | 16.13            | 16.242           | 0.13438          | 15.88             | 16.01             | 16.092            | 0.11407           | -0.15     | -0.11967  | -0.101    | 0.026502  |
| 3        | 15.895           | 16.303           | 16.501           | 0.23729          | 15.816            | 16.046            | 16.286            | 0.15333           | -0.471    | -0.2571   | -0.067    | 0.17289   |
| 10       | 15.907           | 16.247           | 16.479           | 0.16364          | 15.588            | 15.845            | 16.304            | 0.22127           | -0.712    | -0.4017   | -0.175    | 0.24211   |
| 30       | 16.058           | 16.324           | 16.711           | 0.21064          | 14.816            | 15.5              | 16.033            | 0.43744           | -1.357    | -0.8236   | -0.38     | 0.45291   |
| 50       | 15.871           | 16.229           | 16.461           | 0.15824          | 14.464            | 15.162            | 15.837            | 0.57026           | -1.621    | -1.0667   | -0.5      | 0.51232   |
| 100      | 15.972           | 16.326           | 16.617           | 0.22087          | 14.062            | 14.867            | 15.86             | 0.697             | -2.241    | -1.4587   | -0.735    | 0.70827   |

Device Test: 18.3 ; RESET\_RPMOS\_LOW\_V

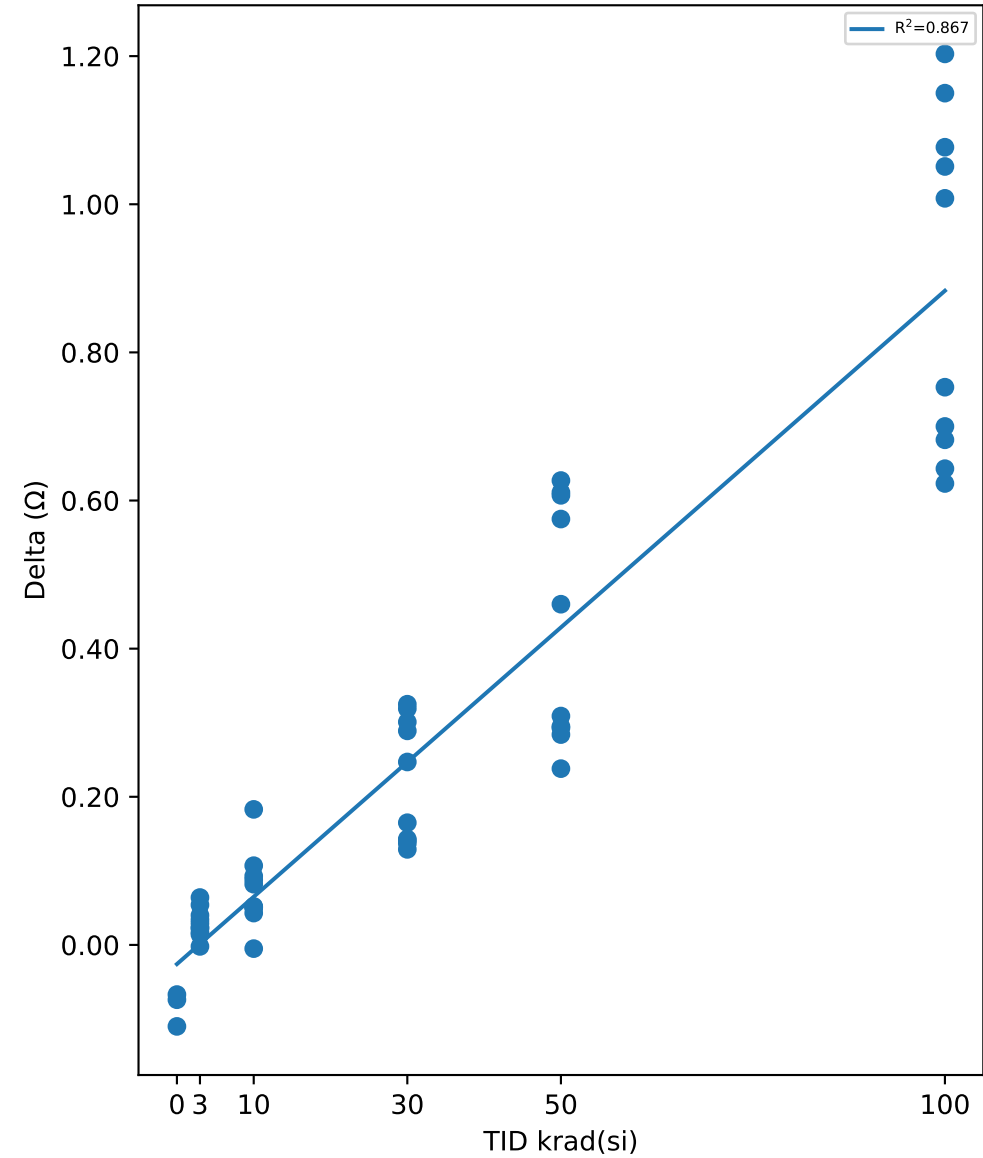
TID vs Result Stats



Test Results (Upper Limit = 40.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 18.967     | 18.857      | -0.11  |
| 301      | 0        | Correlation         | 18.601     | 18.527      | -0.074 |
| 302      | 0        | Correlation         | 19.115     | 19.048      | -0.067 |
| 303      | 3        | Bias                | 19.007     | 19.005      | -0.002 |
| 304      | 3        | Bias                | 19.016     | 19.03       | 0.014  |
| 305      | 3        | Bias                | 18.871     | 18.888      | 0.017  |
| 306      | 3        | Bias                | 18.987     | 19.01       | 0.023  |
| 307      | 3        | Bias                | 19.106     | 19.135      | 0.029  |
| 308      | 3        | Unbiased            | 18.978     | 19.032      | 0.054  |
| 309      | 3        | Unbiased            | 18.972     | 19.012      | 0.04   |
| 310      | 3        | Unbiased            | 19.058     | 19.122      | 0.064  |
| 311      | 3        | Unbiased            | 18.688     | 18.711      | 0.023  |
| 312      | 3        | Unbiased            | 18.683     | 18.717      | 0.034  |
| 313      | 10       | Bias                | 18.904     | 18.955      | 0.051  |
| 314      | 10       | Bias                | 18.98      | 19.03       | 0.05   |
| 315      | 10       | Bias                | 19.229     | 19.281      | 0.052  |
| 316      | 10       | Bias                | 18.776     | 18.883      | 0.107  |
| 317      | 10       | Bias                | 19.218     | 19.261      | 0.043  |
| 318      | 10       | Unbiased            | 18.907     | 18.989      | 0.082  |
| 319      | 10       | Unbiased            | 19.157     | 19.245      | 0.088  |
| 320      | 10       | Unbiased            | 19.213     | 19.208      | -0.005 |
| 321      | 10       | Unbiased            | 19.129     | 19.312      | 0.183  |
| 322      | 10       | Unbiased            | 19.078     | 19.171      | 0.093  |
| 323      | 30       | Bias                | 18.969     | 19.11       | 0.141  |
| 324      | 30       | Bias                | 18.927     | 19.056      | 0.129  |
| 325      | 30       | Bias                | 19.119     | 19.284      | 0.165  |
| 326      | 30       | Bias                | 18.791     | 18.928      | 0.137  |
| 327      | 30       | Bias                | 19.07      | 19.213      | 0.143  |
| 328      | 30       | Unbiased            | 18.926     | 19.215      | 0.289  |
| 329      | 30       | Unbiased            | 19.02      | 19.267      | 0.247  |
| 330      | 30       | Unbiased            | 18.714     | 19.015      | 0.301  |
| 331      | 30       | Unbiased            | 19.039     | 19.364      | 0.325  |
| 332      | 30       | Unbiased            | 19.083     | 19.402      | 0.319  |
| 333      | 50       | Bias                | 18.665     | 18.903      | 0.238  |
| 334      | 50       | Bias                | 19.185     | 19.469      | 0.284  |
| 335      | 50       | Bias                | 19.081     | 19.39       | 0.309  |
| 336      | 50       | Bias                | 18.941     | 19.234      | 0.293  |
| 337      | 50       | Bias                | 19.24      | 19.535      | 0.295  |
| 338      | 50       | Unbiased            | 18.751     | 19.211      | 0.46   |
| 339      | 50       | Unbiased            | 18.956     | 19.531      | 0.575  |
| 340      | 50       | Unbiased            | 18.945     | 19.572      | 0.627  |
| 341      | 50       | Unbiased            | 18.863     | 19.474      | 0.611  |
| 342      | 50       | Unbiased            | 18.927     | 19.534      | 0.607  |
| 343      | 100      | Bias                | 18.815     | 19.438      | 0.623  |
| 344      | 100      | Bias                | 18.962     | 19.605      | 0.643  |
| 345      | 100      | Bias                | 18.8       | 19.482      | 0.682  |
| 346      | 100      | Bias                | 19.272     | 20.025      | 0.753  |
| 347      | 100      | Bias                | 19.04      | 19.74       | 0.7    |
| 348      | 100      | Unbiased            | 18.925     | 19.976      | 1.051  |
| 349      | 100      | Unbiased            | 19.004     | 20.012      | 1.008  |
| 350      | 100      | Unbiased            | 18.977     | 20.127      | 1.15   |
| 351      | 100      | Unbiased            | 19.14      | 20.343      | 1.203  |
| 352      | 100      | Unbiased            | 18.726     | 19.803      | 1.077  |

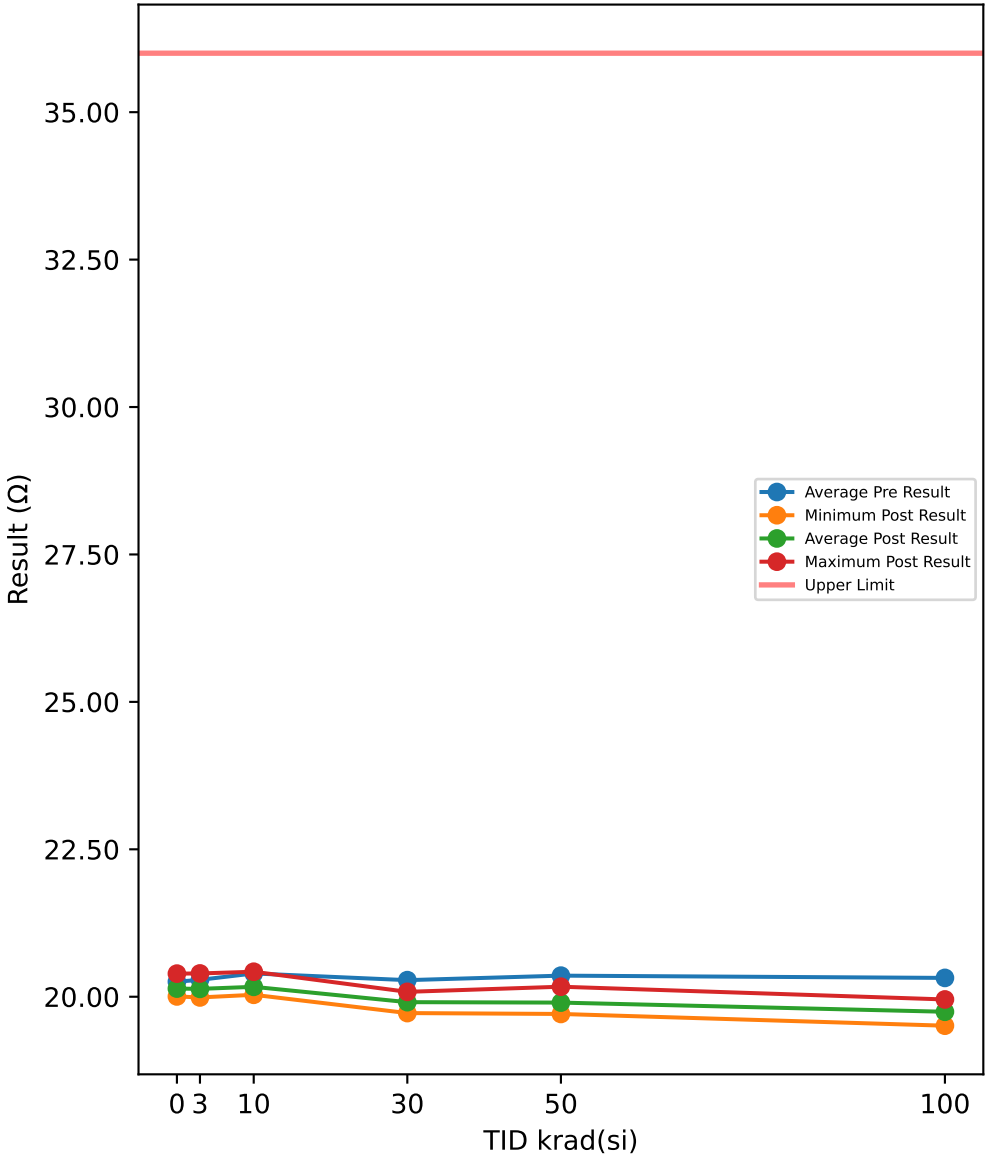
TID vs Post - Pre Exposure Delta



Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 18.601           | 18.894           | 19.115           | 0.26459          | 18.527            | 18.811            | 19.048            | 0.26357           | -0.11     | -0.083667 | -0.067    | 0.023072  |
| 3        | 18.683           | 18.937           | 19.106           | 0.14553          | 18.711            | 18.966            | 19.135            | 0.14908           | -0.002    | 0.0296    | 0.064     | 0.01942   |
| 10       | 18.776           | 19.059           | 19.229           | 0.15854          | 18.883            | 19.134            | 19.312            | 0.15473           | -0.005    | 0.0744    | 0.183     | 0.049867  |
| 30       | 18.714           | 18.966           | 19.119           | 0.13056          | 18.928            | 19.185            | 19.402            | 0.1544            | 0.129     | 0.2196    | 0.325     | 0.083825  |
| 50       | 18.665           | 18.955           | 19.24            | 0.17803          | 18.903            | 19.385            | 19.572            | 0.21118           | 0.238     | 0.4299    | 0.627     | 0.16147   |
| 100      | 18.726           | 18.966           | 19.272           | 0.16351          | 19.438            | 19.855            | 20.343            | 0.29283           | 0.623     | 0.889     | 1.203     | 0.22872   |

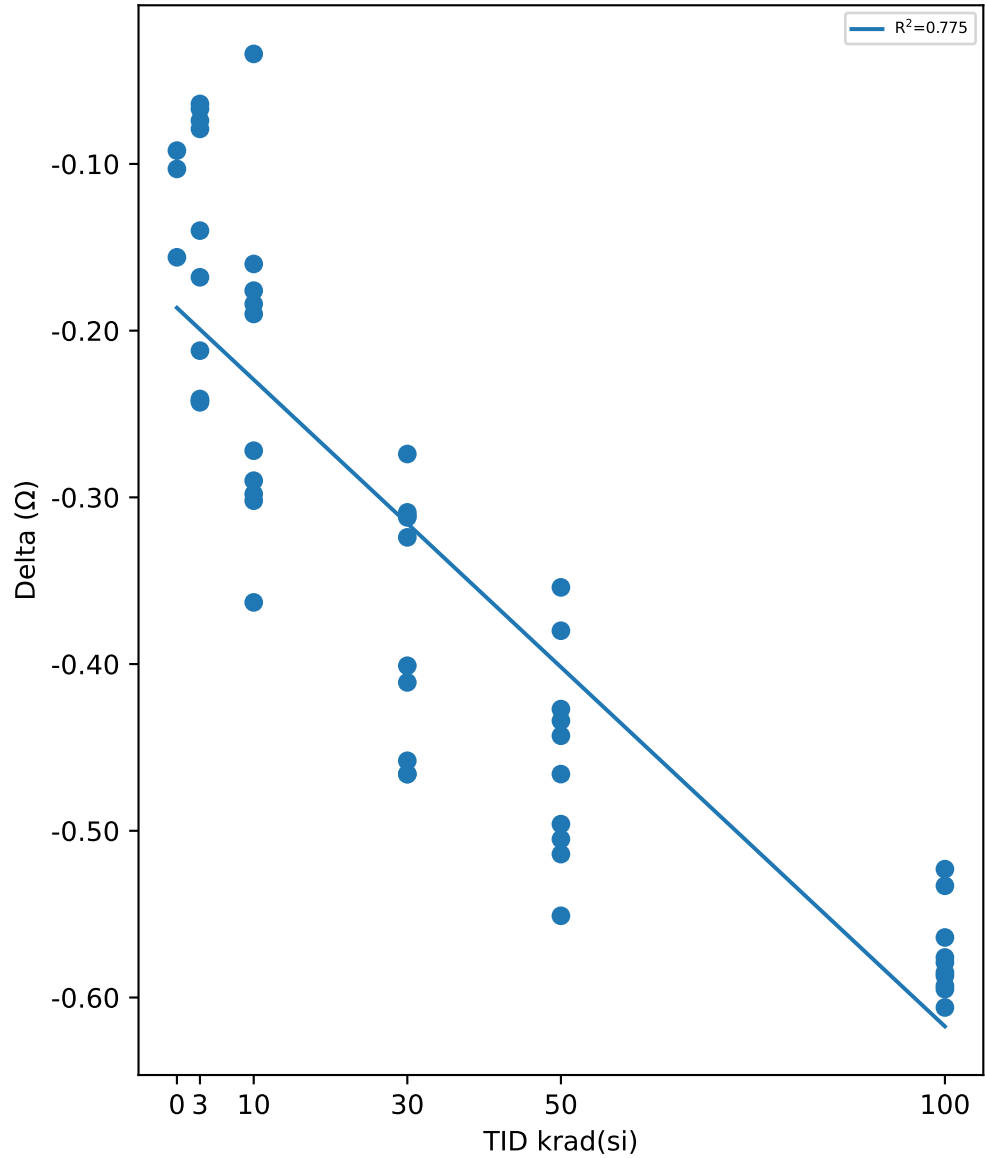
TID vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

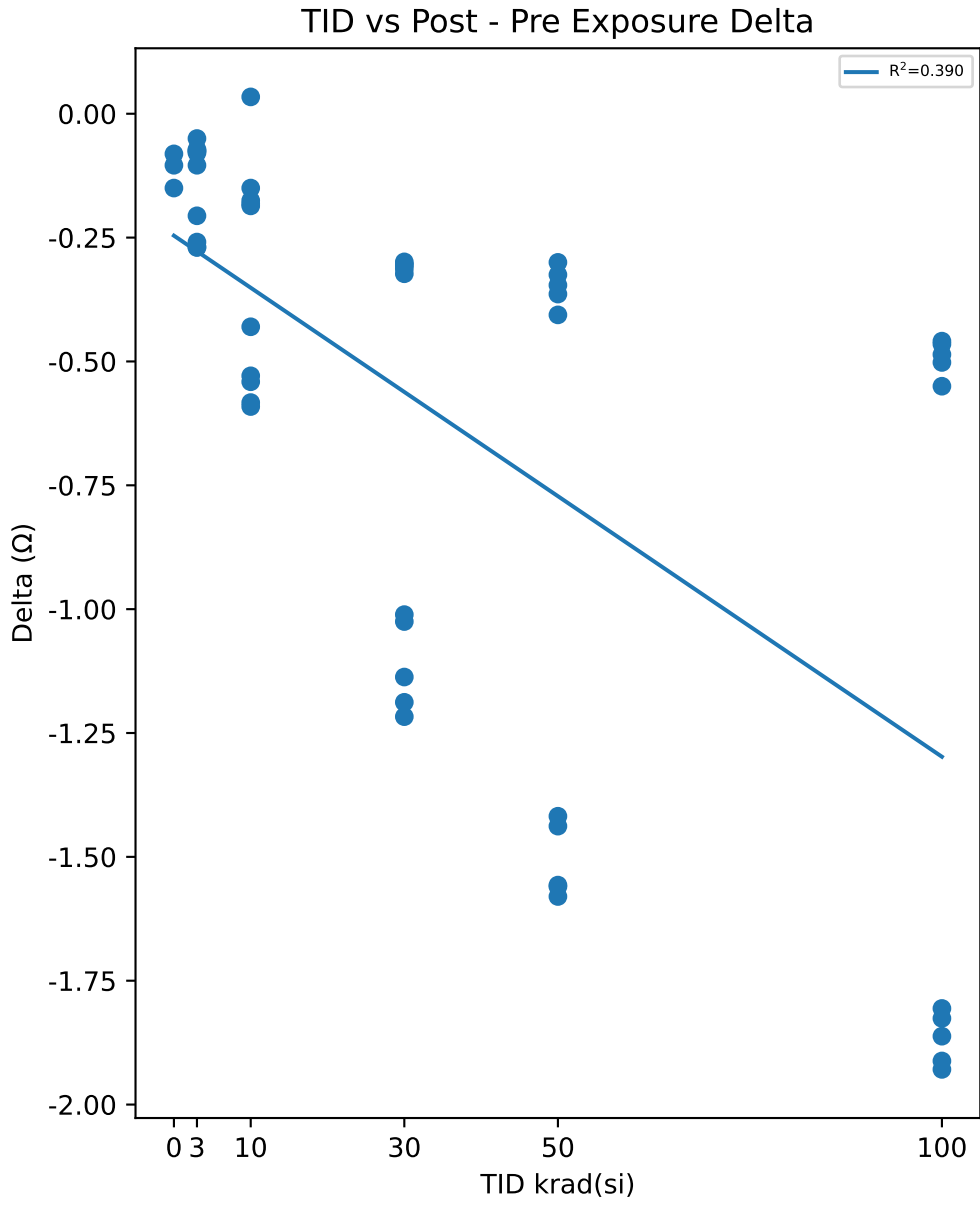
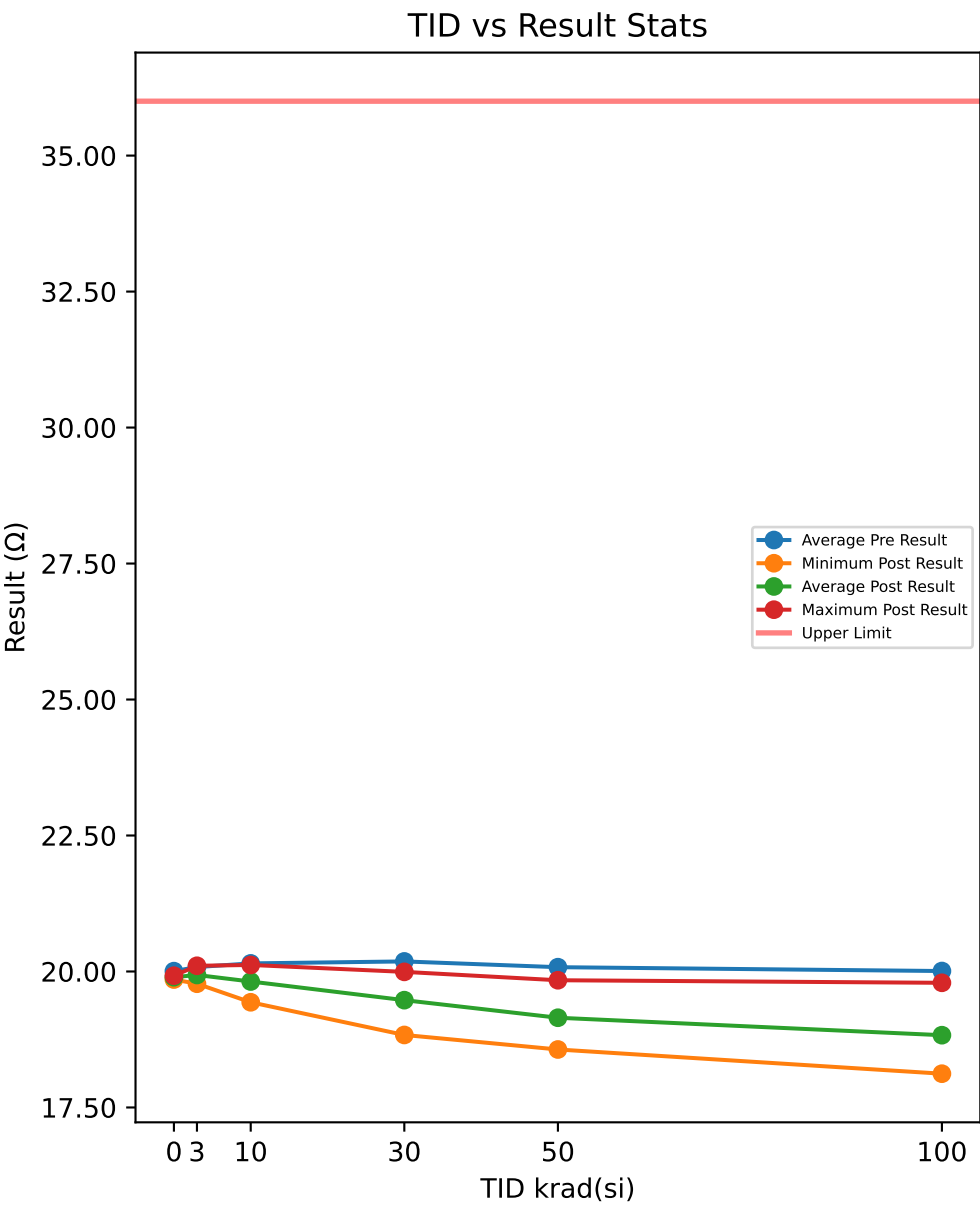
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 20.161     | 20.005      | -0.156 |
| 301      | 0        | Correlation         | 20.11      | 20.018      | -0.092 |
| 302      | 0        | Correlation         | 20.495     | 20.392      | -0.103 |
| 303      | 3        | Bias                | 20.272     | 20.031      | -0.241 |
| 304      | 3        | Bias                | 20.638     | 20.395      | -0.243 |
| 305      | 3        | Bias                | 20.34      | 20.098      | -0.242 |
| 306      | 3        | Bias                | 20.35      | 20.138      | -0.212 |
| 307      | 3        | Bias                | 20.264     | 20.096      | -0.168 |
| 308      | 3        | Unbiased            | 20.279     | 20.139      | -0.14  |
| 309      | 3        | Unbiased            | 20.403     | 20.324      | -0.079 |
| 310      | 3        | Unbiased            | 20.179     | 20.115      | -0.064 |
| 311      | 3        | Unbiased            | 20.055     | 19.988      | -0.067 |
| 312      | 3        | Unbiased            | 20.085     | 20.011      | -0.074 |
| 313      | 10       | Bias                | 20.382     | 20.11       | -0.272 |
| 314      | 10       | Bias                | 20.488     | 20.186      | -0.302 |
| 315      | 10       | Bias                | 20.329     | 20.039      | -0.29  |
| 316      | 10       | Bias                | 20.363     | 20.173      | -0.19  |
| 317      | 10       | Bias                | 20.355     | 20.057      | -0.298 |
| 318      | 10       | Unbiased            | 20.3       | 20.124      | -0.176 |
| 319      | 10       | Unbiased            | 20.193     | 20.033      | -0.16  |
| 320      | 10       | Unbiased            | 20.539     | 20.176      | -0.363 |
| 321      | 10       | Unbiased            | 20.392     | 20.358      | -0.034 |
| 322      | 10       | Unbiased            | 20.608     | 20.424      | -0.184 |
| 323      | 30       | Bias                | 20.262     | 19.851      | -0.411 |
| 324      | 30       | Bias                | 20.212     | 19.811      | -0.401 |
| 325      | 30       | Bias                | 20.484     | 20.018      | -0.466 |
| 326      | 30       | Bias                | 20.189     | 19.723      | -0.466 |
| 327      | 30       | Bias                | 20.372     | 19.914      | -0.458 |
| 328      | 30       | Unbiased            | 20.11      | 19.836      | -0.274 |
| 329      | 30       | Unbiased            | 20.394     | 20.083      | -0.311 |
| 330      | 30       | Unbiased            | 20.21      | 19.898      | -0.312 |
| 331      | 30       | Unbiased            | 20.318     | 19.994      | -0.324 |
| 332      | 30       | Unbiased            | 20.262     | 19.953      | -0.309 |
| 333      | 50       | Bias                | 20.216     | 19.75       | -0.466 |
| 334      | 50       | Bias                | 20.432     | 19.936      | -0.496 |
| 335      | 50       | Bias                | 20.248     | 19.734      | -0.514 |
| 336      | 50       | Bias                | 20.347     | 19.842      | -0.505 |
| 337      | 50       | Bias                | 20.62      | 20.069      | -0.551 |
| 338      | 50       | Unbiased            | 20.221     | 19.841      | -0.38  |
| 339      | 50       | Unbiased            | 20.062     | 19.708      | -0.354 |
| 340      | 50       | Unbiased            | 20.371     | 19.928      | -0.443 |
| 341      | 50       | Unbiased            | 20.456     | 20.029      | -0.427 |
| 342      | 50       | Unbiased            | 20.604     | 20.17       | -0.434 |
| 343      | 100      | Bias                | 20.238     | 19.674      | -0.564 |
| 344      | 100      | Bias                | 20.352     | 19.759      | -0.593 |
| 345      | 100      | Bias                | 20.296     | 19.69       | -0.606 |
| 346      | 100      | Bias                | 20.472     | 19.887      | -0.585 |
| 347      | 100      | Bias                | 20.395     | 19.816      | -0.579 |
| 348      | 100      | Unbiased            | 20.541     | 19.954      | -0.587 |
| 349      | 100      | Unbiased            | 20.344     | 19.811      | -0.533 |
| 350      | 100      | Unbiased            | 20.104     | 19.509      | -0.595 |
| 351      | 100      | Unbiased            | 20.352     | 19.776      | -0.576 |
| 352      | 100      | Unbiased            | 20.1       | 19.577      | -0.523 |

TID vs Post - Pre Exposure Delta



Test Statistics (Ω)

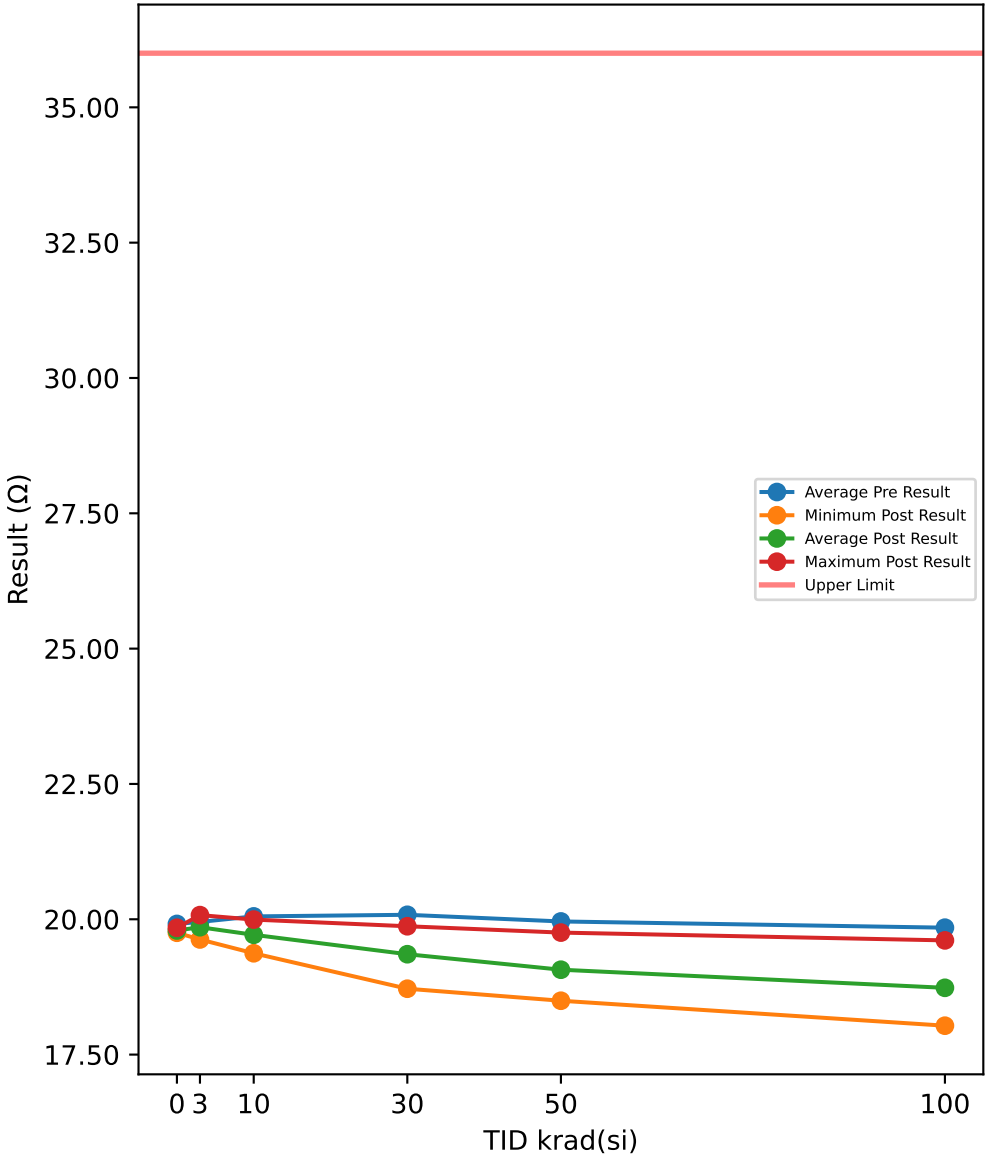
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 20.11            | 20.255           | 20.495           | 0.20912          | 20.005            | 20.138            | 20.392            | 0.21978           | -0.156    | -0.117    | -0.092    | 0.03422   |
| 3        | 20.055           | 20.287           | 20.638           | 0.16685          | 19.988            | 20.134            | 20.395            | 0.13099           | -0.243    | -0.153    | -0.064    | 0.077942  |
| 10       | 20.193           | 20.395           | 20.608           | 0.12099          | 20.033            | 20.168            | 20.424            | 0.13104           | -0.363    | -0.2269   | -0.034    | 0.095866  |
| 30       | 20.11            | 20.281           | 20.484           | 0.11148          | 19.723            | 19.908            | 20.083            | 0.10768           | -0.466    | -0.3732   | -0.274    | 0.074992  |
| 50       | 20.062           | 20.358           | 20.62            | 0.17738          | 19.708            | 19.901            | 20.17             | 0.15418           | -0.551    | -0.457    | -0.354    | 0.061603  |
| 100      | 20.1             | 20.319           | 20.541           | 0.14242          | 19.509            | 19.745            | 19.954            | 0.13597           | -0.606    | -0.5741   | -0.523    | 0.02693   |



| Test Results (Upper Limit = 36.0 (Ω)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 20.06      | 19.91       | -0.15  |
| 301                                   | 0        | Correlation         | 19.956     | 19.852      | -0.104 |
| 302                                   | 0        | Correlation         | 20.003     | 19.922      | -0.081 |
| 303                                   | 3        | Bias                | 20.124     | 19.865      | -0.259 |
| 304                                   | 3        | Bias                | 20.142     | 19.873      | -0.269 |
| 305                                   | 3        | Bias                | 20.281     | 20.011      | -0.27  |
| 306                                   | 3        | Bias                | 20.128     | 19.922      | -0.206 |
| 307                                   | 3        | Bias                | 20.104     | 20          | -0.104 |
| 308                                   | 3        | Unbiased            | 20.17      | 20.096      | -0.074 |
| 309                                   | 3        | Unbiased            | 19.905     | 19.829      | -0.076 |
| 310                                   | 3        | Unbiased            | 20.155     | 20.105      | -0.05  |
| 311                                   | 3        | Unbiased            | 19.96      | 19.881      | -0.079 |
| 312                                   | 3        | Unbiased            | 19.847     | 19.775      | -0.072 |
| 313                                   | 10       | Bias                | 20.261     | 19.72       | -0.541 |
| 314                                   | 10       | Bias                | 19.963     | 19.434      | -0.529 |
| 315                                   | 10       | Bias                | 20.278     | 19.687      | -0.591 |
| 316                                   | 10       | Bias                | 20.09      | 19.904      | -0.186 |
| 317                                   | 10       | Bias                | 20.327     | 19.744      | -0.583 |
| 318                                   | 10       | Unbiased            | 19.859     | 19.709      | -0.15  |
| 319                                   | 10       | Unbiased            | 20.221     | 20.046      | -0.175 |
| 320                                   | 10       | Unbiased            | 20.086     | 20.12       | 0.034  |
| 321                                   | 10       | Unbiased            | 20.34      | 19.91       | -0.43  |
| 322                                   | 10       | Unbiased            | 20.064     | 19.882      | -0.182 |
| 323                                   | 30       | Bias                | 20.237     | 19.212      | -1.025 |
| 324                                   | 30       | Bias                | 20.213     | 19.202      | -1.011 |
| 325                                   | 30       | Bias                | 20.05      | 18.833      | -1.217 |
| 326                                   | 30       | Bias                | 20.106     | 18.918      | -1.188 |
| 327                                   | 30       | Bias                | 20.384     | 19.247      | -1.137 |
| 328                                   | 30       | Unbiased            | 20.103     | 19.804      | -0.299 |
| 329                                   | 30       | Unbiased            | 20.273     | 19.969      | -0.304 |
| 330                                   | 30       | Unbiased            | 20.03      | 19.717      | -0.313 |
| 331                                   | 30       | Unbiased            | 20.156     | 19.833      | -0.323 |
| 332                                   | 30       | Unbiased            | 20.299     | 19.993      | -0.306 |
| 333                                   | 50       | Bias                | 20.194     | 18.776      | -1.418 |
| 334                                   | 50       | Bias                | 20.004     | 18.566      | -1.438 |
| 335                                   | 50       | Bias                | 20.148     | 18.591      | -1.557 |
| 336                                   | 50       | Bias                | 20.207     | 18.627      | -1.58  |
| 337                                   | 50       | Bias                | 20.25      | 18.69       | -1.56  |
| 338                                   | 50       | Unbiased            | 20.082     | 19.676      | -0.406 |
| 339                                   | 50       | Unbiased            | 19.839     | 19.539      | -0.3   |
| 340                                   | 50       | Unbiased            | 19.973     | 19.609      | -0.364 |
| 341                                   | 50       | Unbiased            | 20.164     | 19.839      | -0.325 |
| 342                                   | 50       | Unbiased            | 19.93      | 19.584      | -0.346 |
| 343                                   | 100      | Bias                | 19.927     | 18.121      | -1.806 |
| 344                                   | 100      | Bias                | 20.064     | 18.238      | -1.826 |
| 345                                   | 100      | Bias                | 20.058     | 18.146      | -1.912 |
| 346                                   | 100      | Bias                | 20.138     | 18.209      | -1.929 |
| 347                                   | 100      | Bias                | 20.141     | 18.279      | -1.862 |
| 348                                   | 100      | Unbiased            | 19.877     | 19.418      | -0.459 |
| 349                                   | 100      | Unbiased            | 20.257     | 19.792      | -0.465 |
| 350                                   | 100      | Unbiased            | 19.928     | 19.378      | -0.55  |
| 351                                   | 100      | Unbiased            | 19.814     | 19.312      | -0.502 |
| 352                                   | 100      | Unbiased            | 19.881     | 19.395      | -0.486 |

| Test Statistics (Ω) |                  |                  |                  |                  |                   |                   |                   |                   |           |           |           |           |
|---------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| krad(si)            | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
| 0                   | 19.956           | 20.006           | 20.06            | 0.05208          | 19.852            | 19.895            | 19.922            | 0.037434          | -0.15     | -0.11167  | -0.081    | 0.035133  |
| 3                   | 19.847           | 20.082           | 20.281           | 0.13419          | 19.775            | 19.936            | 20.105            | 0.11229           | -0.27     | -0.1459   | -0.05     | 0.093037  |
| 10                  | 19.859           | 20.149           | 20.34            | 0.1619           | 19.434            | 19.816            | 20.12             | 0.19851           | -0.591    | -0.3333   | 0.034     | 0.22551   |
| 30                  | 20.03            | 20.185           | 20.384           | 0.11541          | 18.833            | 19.473            | 19.993            | 0.43785           | -1.217    | -0.7123   | -0.299    | 0.42973   |
| 50                  | 19.839           | 20.079           | 20.25            | 0.13643          | 18.566            | 19.15             | 19.839            | 0.53544           | -1.58     | -0.9294   | -0.3      | 0.61533   |
| 100                 | 19.814           | 20.009           | 20.257           | 0.1438           | 18.121            | 18.829            | 19.792            | 0.67768           | -1.929    | -1.1797   | -0.459    | 0.72575   |

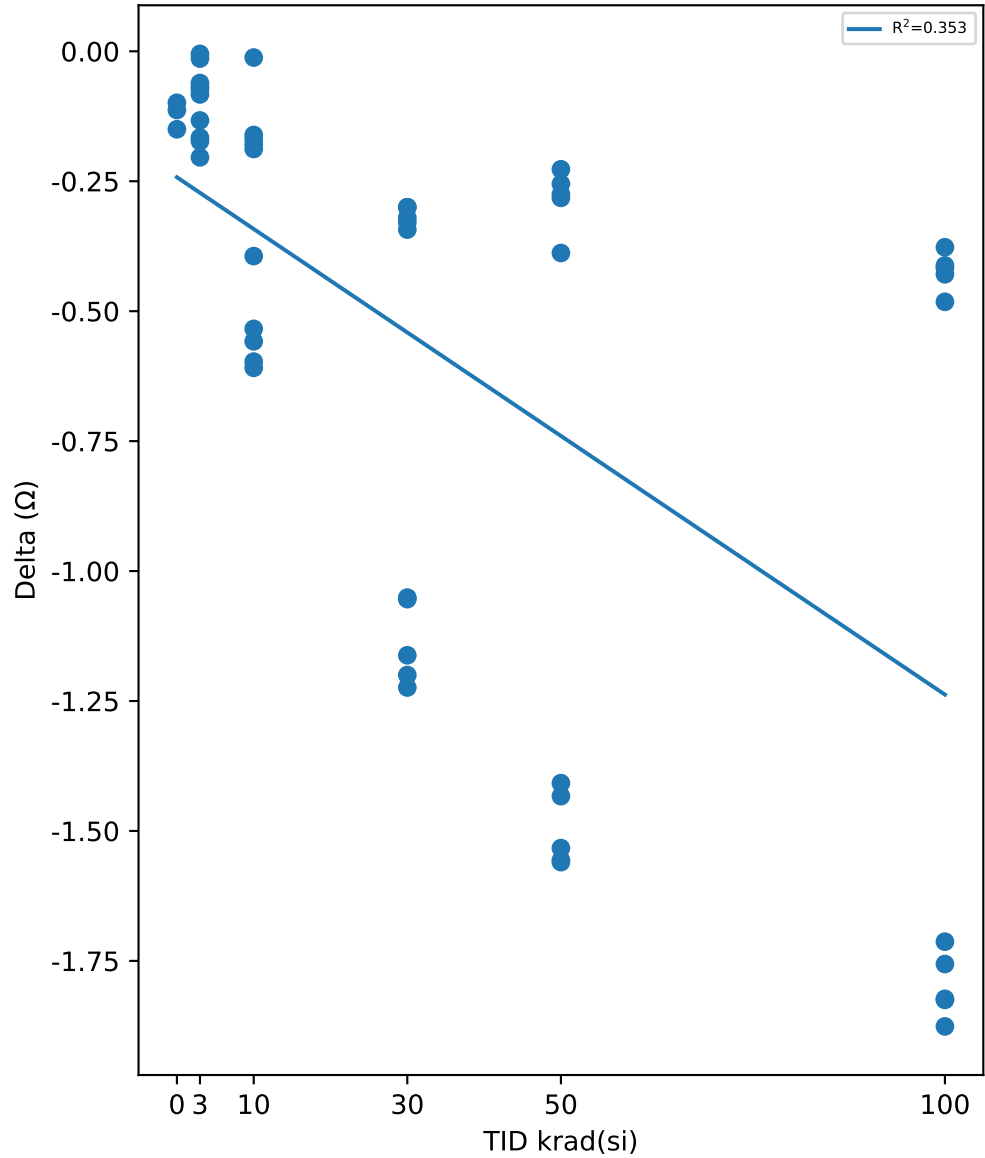
TID vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 19.993     | 19.843      | -0.15  |
| 301      | 0        | Correlation         | 19.85      | 19.751      | -0.099 |
| 302      | 0        | Correlation         | 19.899     | 19.786      | -0.113 |
| 303      | 3        | Bias                | 19.924     | 19.758      | -0.166 |
| 304      | 3        | Bias                | 20.086     | 19.913      | -0.173 |
| 305      | 3        | Bias                | 20.017     | 19.813      | -0.204 |
| 306      | 3        | Bias                | 20.015     | 19.882      | -0.133 |
| 307      | 3        | Bias                | 19.914     | 19.9        | -0.014 |
| 308      | 3        | Unbiased            | 20.082     | 20.077      | -0.005 |
| 309      | 3        | Unbiased            | 19.873     | 19.79       | -0.083 |
| 310      | 3        | Unbiased            | 20.072     | 20.011      | -0.061 |
| 311      | 3        | Unbiased            | 19.829     | 19.761      | -0.068 |
| 312      | 3        | Unbiased            | 19.7       | 19.627      | -0.073 |
| 313      | 10       | Bias                | 20.195     | 19.637      | -0.558 |
| 314      | 10       | Bias                | 19.906     | 19.372      | -0.534 |
| 315      | 10       | Bias                | 20.14      | 19.543      | -0.597 |
| 316      | 10       | Bias                | 20.001     | 19.813      | -0.188 |
| 317      | 10       | Bias                | 20.253     | 19.644      | -0.609 |
| 318      | 10       | Unbiased            | 19.724     | 19.563      | -0.161 |
| 319      | 10       | Unbiased            | 20.063     | 19.894      | -0.169 |
| 320      | 10       | Unbiased            | 20.006     | 19.994      | -0.012 |
| 321      | 10       | Unbiased            | 20.227     | 19.833      | -0.394 |
| 322      | 10       | Unbiased            | 20.017     | 19.838      | -0.179 |
| 323      | 30       | Bias                | 20.178     | 19.124      | -1.054 |
| 324      | 30       | Bias                | 20.072     | 19.021      | -1.051 |
| 325      | 30       | Bias                | 19.988     | 18.764      | -1.224 |
| 326      | 30       | Bias                | 19.917     | 18.717      | -1.2   |
| 327      | 30       | Bias                | 20.308     | 19.146      | -1.162 |
| 328      | 30       | Unbiased            | 19.931     | 19.631      | -0.3   |
| 329      | 30       | Unbiased            | 20.171     | 19.871      | -0.3   |
| 330      | 30       | Unbiased            | 19.914     | 19.585      | -0.329 |
| 331      | 30       | Unbiased            | 20.18      | 19.837      | -0.343 |
| 332      | 30       | Unbiased            | 20.168     | 19.848      | -0.32  |
| 333      | 50       | Bias                | 20.053     | 18.645      | -1.408 |
| 334      | 50       | Bias                | 19.928     | 18.495      | -1.433 |
| 335      | 50       | Bias                | 20.078     | 18.545      | -1.533 |
| 336      | 50       | Bias                | 20.19      | 18.63       | -1.56  |
| 337      | 50       | Bias                | 20.16      | 18.604      | -1.556 |
| 338      | 50       | Unbiased            | 19.954     | 19.566      | -0.388 |
| 339      | 50       | Unbiased            | 19.671     | 19.444      | -0.227 |
| 340      | 50       | Unbiased            | 19.77      | 19.495      | -0.275 |
| 341      | 50       | Unbiased            | 20.009     | 19.754      | -0.255 |
| 342      | 50       | Unbiased            | 19.786     | 19.504      | -0.282 |
| 343      | 100      | Bias                | 19.747     | 18.034      | -1.713 |
| 344      | 100      | Bias                | 19.947     | 18.191      | -1.756 |
| 345      | 100      | Bias                | 19.875     | 18.05       | -1.825 |
| 346      | 100      | Bias                | 20.125     | 18.249      | -1.876 |
| 347      | 100      | Bias                | 20.045     | 18.222      | -1.823 |
| 348      | 100      | Unbiased            | 19.706     | 19.294      | -0.412 |
| 349      | 100      | Unbiased            | 19.987     | 19.61       | -0.377 |
| 350      | 100      | Unbiased            | 19.705     | 19.223      | -0.482 |
| 351      | 100      | Unbiased            | 19.731     | 19.302      | -0.429 |
| 352      | 100      | Unbiased            | 19.58      | 19.163      | -0.417 |

TID vs Post - Pre Exposure Delta

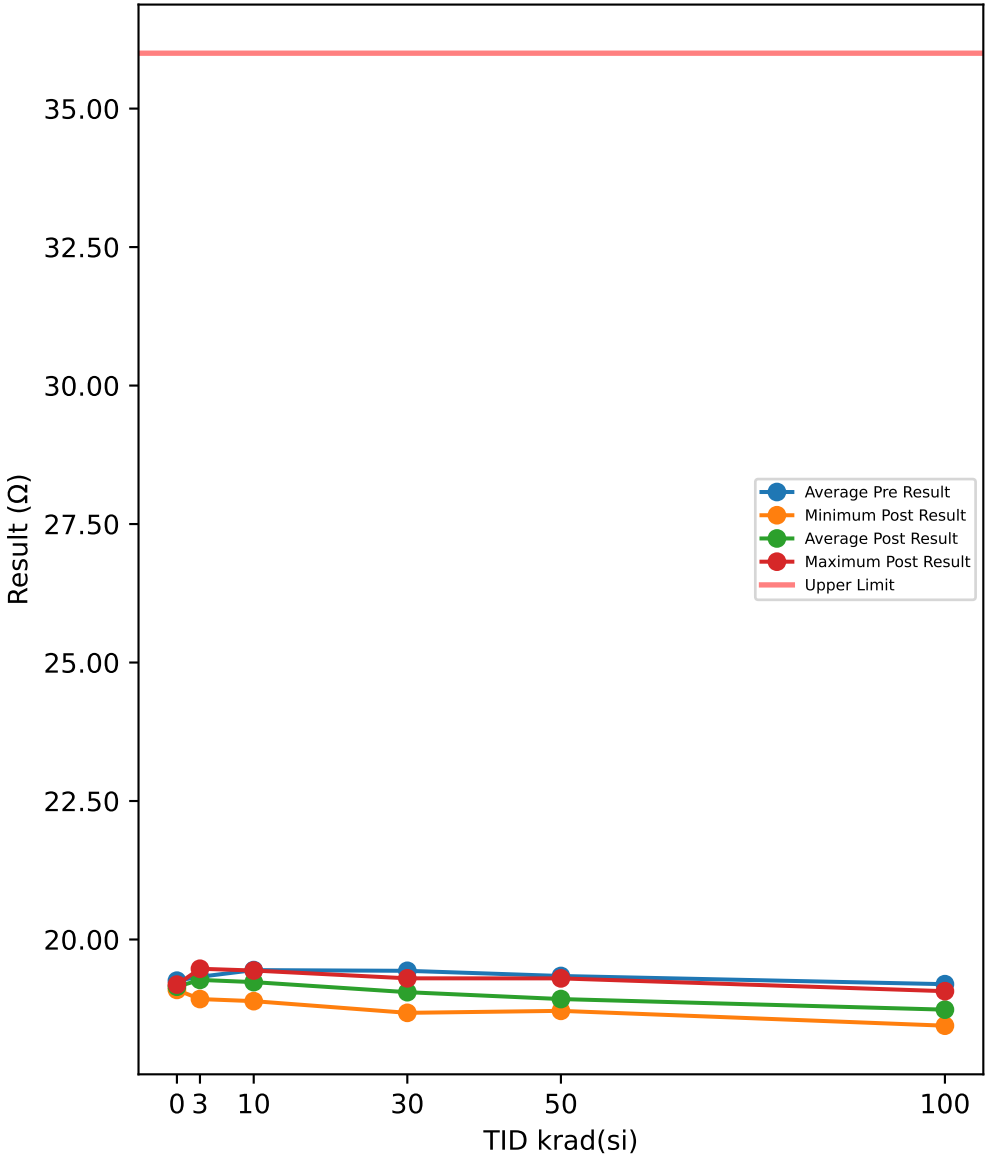


Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 19.85            | 19.914           | 19.993           | 0.07267          | 19.751            | 19.793            | 19.843            | 0.046436          | -0.15     | -0.12067  | -0.099    | 0.02635   |
| 3        | 19.7             | 19.951           | 20.086           | 0.12673          | 19.627            | 19.853            | 20.077            | 0.13162           | -0.204    | -0.098    | -0.005    | 0.067933  |
| 10       | 19.724           | 20.053           | 20.253           | 0.1613           | 19.372            | 19.713            | 19.994            | 0.19148           | -0.609    | -0.3401   | -0.012    | 0.22221   |
| 30       | 19.914           | 20.083           | 20.308           | 0.1384           | 18.717            | 19.354            | 19.871            | 0.45162           | -1.224    | -0.7283   | -0.3      | 0.43564   |
| 50       | 19.671           | 19.96            | 20.19            | 0.17283          | 18.495            | 19.068            | 19.754            | 0.51858           | -1.56     | -0.8917   | -0.227    | 0.6422    |
| 100      | 19.58            | 19.845           | 20.125           | 0.17689          | 18.034            | 18.734            | 19.61             | 0.63042           | -1.876    | -1.111    | -0.377    | 0.72649   |



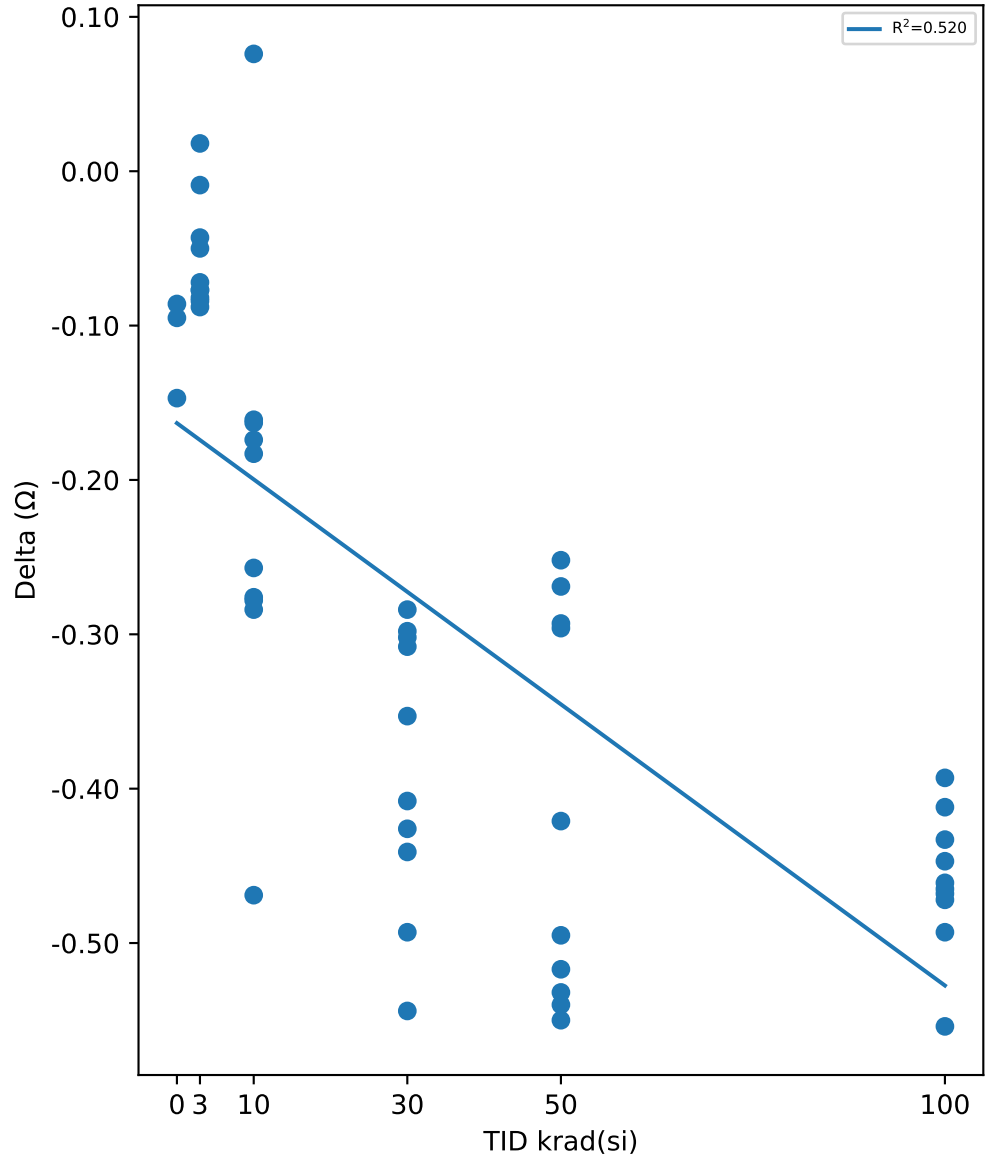
TID vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 19.333     | 19.186      | -0.147 |
| 301      | 0        | Correlation         | 19.185     | 19.09       | -0.095 |
| 302      | 0        | Correlation         | 19.253     | 19.167      | -0.086 |
| 303      | 3        | Bias                | 19.288     | 19.206      | -0.082 |
| 304      | 3        | Bias                | 19.549     | 19.472      | -0.077 |
| 305      | 3        | Bias                | 19.457     | 19.385      | -0.072 |
| 306      | 3        | Bias                | 19.366     | 19.323      | -0.043 |
| 307      | 3        | Bias                | 19.33      | 19.321      | -0.009 |
| 308      | 3        | Unbiased            | 19.414     | 19.432      | 0.018  |
| 309      | 3        | Unbiased            | 19.238     | 19.15       | -0.088 |
| 310      | 3        | Unbiased            | 19.456     | 19.406      | -0.05  |
| 311      | 3        | Unbiased            | 19.163     | 19.086      | -0.077 |
| 312      | 3        | Unbiased            | 19.009     | 18.925      | -0.084 |
| 313      | 10       | Bias                | 19.573     | 19.316      | -0.257 |
| 314      | 10       | Bias                | 19.285     | 19.007      | -0.278 |
| 315      | 10       | Bias                | 19.581     | 19.305      | -0.276 |
| 316      | 10       | Bias                | 19.336     | 19.162      | -0.174 |
| 317      | 10       | Bias                | 19.674     | 19.39       | -0.284 |
| 318      | 10       | Unbiased            | 19.07      | 18.887      | -0.183 |
| 319      | 10       | Unbiased            | 19.466     | 19.305      | -0.161 |
| 320      | 10       | Unbiased            | 19.364     | 19.44       | 0.076  |
| 321      | 10       | Unbiased            | 19.652     | 19.183      | -0.469 |
| 322      | 10       | Unbiased            | 19.475     | 19.312      | -0.163 |
| 323      | 30       | Bias                | 19.558     | 19.15       | -0.408 |
| 324      | 30       | Bias                | 19.436     | 19.01       | -0.426 |
| 325      | 30       | Bias                | 19.353     | 18.86       | -0.493 |
| 326      | 30       | Bias                | 19.22      | 18.676      | -0.544 |
| 327      | 30       | Bias                | 19.709     | 19.268      | -0.441 |
| 328      | 30       | Unbiased            | 19.244     | 18.936      | -0.308 |
| 329      | 30       | Unbiased            | 19.583     | 19.299      | -0.284 |
| 330      | 30       | Unbiased            | 19.231     | 18.878      | -0.353 |
| 331      | 30       | Unbiased            | 19.5       | 19.198      | -0.302 |
| 332      | 30       | Unbiased            | 19.513     | 19.215      | -0.298 |
| 333      | 50       | Bias                | 19.389     | 18.894      | -0.495 |
| 334      | 50       | Bias                | 19.302     | 18.752      | -0.55  |
| 335      | 50       | Bias                | 19.516     | 18.976      | -0.54  |
| 336      | 50       | Bias                | 19.548     | 19.031      | -0.517 |
| 337      | 50       | Bias                | 19.511     | 18.979      | -0.532 |
| 338      | 50       | Unbiased            | 19.308     | 18.887      | -0.421 |
| 339      | 50       | Unbiased            | 18.981     | 18.712      | -0.269 |
| 340      | 50       | Unbiased            | 19.208     | 18.912      | -0.296 |
| 341      | 50       | Unbiased            | 19.55      | 19.298      | -0.252 |
| 342      | 50       | Unbiased            | 19.101     | 18.808      | -0.293 |
| 343      | 100      | Bias                | 19.039     | 18.546      | -0.493 |
| 344      | 100      | Bias                | 19.344     | 18.872      | -0.472 |
| 345      | 100      | Bias                | 19.339     | 18.871      | -0.468 |
| 346      | 100      | Bias                | 19.376     | 18.964      | -0.412 |
| 347      | 100      | Bias                | 19.266     | 18.833      | -0.433 |
| 348      | 100      | Unbiased            | 19.091     | 18.63       | -0.461 |
| 349      | 100      | Unbiased            | 19.46      | 19.067      | -0.393 |
| 350      | 100      | Unbiased            | 19.058     | 18.504      | -0.554 |
| 351      | 100      | Unbiased            | 19.07      | 18.605      | -0.465 |
| 352      | 100      | Unbiased            | 18.891     | 18.444      | -0.447 |

TID vs Post - Pre Exposure Delta

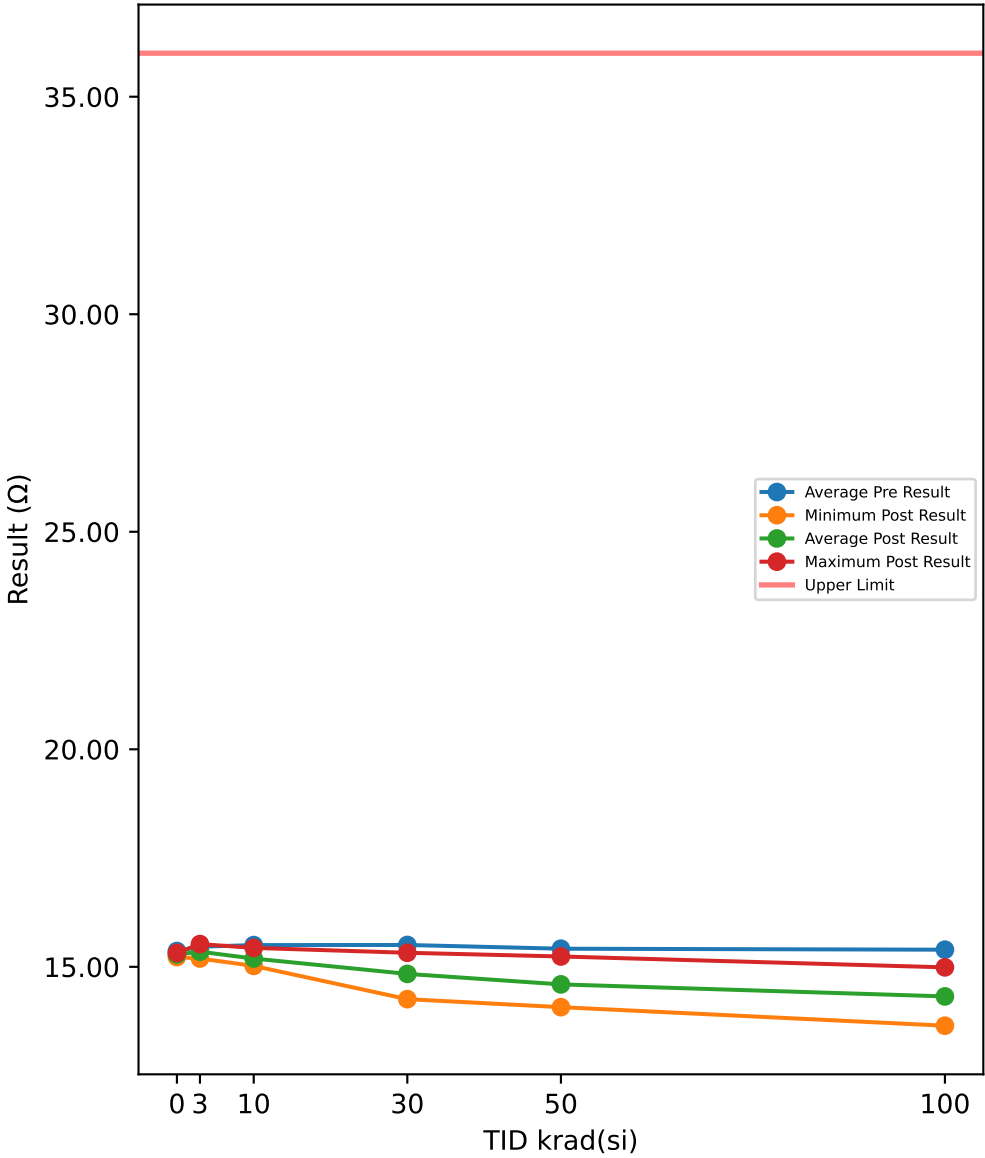


Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 19.185           | 19.257           | 19.333           | 0.074081         | 19.09             | 19.148            | 19.186            | 0.050836          | -0.147    | -0.10933  | -0.086    | 0.032929  |
| 3        | 19.009           | 19.327           | 19.549           | 0.15965          | 18.925            | 19.271            | 19.472            | 0.17498           | -0.088    | -0.0564   | 0.018     | 0.035762  |
| 10       | 19.07            | 19.448           | 19.674           | 0.18741          | 18.887            | 19.231            | 19.44             | 0.17297           | -0.469    | -0.2169   | 0.076     | 0.13812   |
| 30       | 19.22            | 19.435           | 19.709           | 0.16782          | 18.676            | 19.049            | 19.299            | 0.20785           | -0.544    | -0.3857   | -0.284    | 0.090614  |
| 50       | 18.981           | 19.341           | 19.55            | 0.19885          | 18.712            | 18.925            | 19.298            | 0.16581           | -0.55     | -0.4165   | -0.252    | 0.12529   |
| 100      | 18.891           | 19.193           | 19.46            | 0.18646          | 18.444            | 18.734            | 19.067            | 0.21375           | -0.554    | -0.4598   | -0.393    | 0.044534  |

Device Test: 18.34 ; PWRGD\_RNMOS

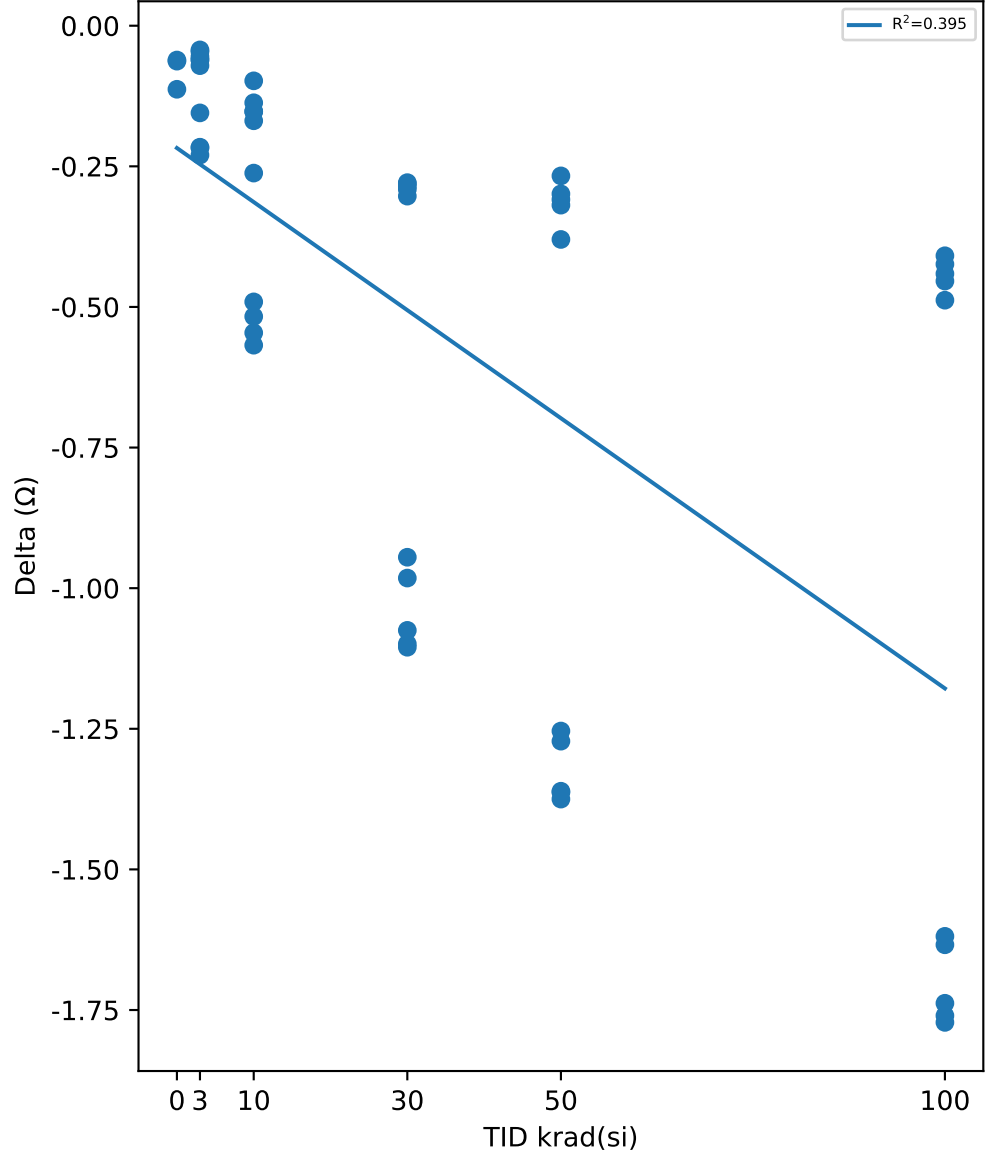
TID vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 15.433     | 15.32       | -0.113 |
| 301      | 0        | Correlation         | 15.288     | 15.225      | -0.063 |
| 302      | 0        | Correlation         | 15.368     | 15.307      | -0.061 |
| 303      | 3        | Bias                | 15.587     | 15.37       | -0.217 |
| 304      | 3        | Bias                | 15.628     | 15.398      | -0.23  |
| 305      | 3        | Bias                | 15.509     | 15.293      | -0.216 |
| 306      | 3        | Bias                | 15.346     | 15.191      | -0.155 |
| 307      | 3        | Bias                | 15.506     | 15.451      | -0.055 |
| 308      | 3        | Unbiased            | 15.566     | 15.523      | -0.043 |
| 309      | 3        | Unbiased            | 15.406     | 15.335      | -0.071 |
| 310      | 3        | Unbiased            | 15.508     | 15.462      | -0.046 |
| 311      | 3        | Unbiased            | 15.303     | 15.242      | -0.061 |
| 312      | 3        | Unbiased            | 15.272     | 15.212      | -0.06  |
| 313      | 10       | Bias                | 15.514     | 15.023      | -0.491 |
| 314      | 10       | Bias                | 15.571     | 15.054      | -0.517 |
| 315      | 10       | Bias                | 15.629     | 15.061      | -0.568 |
| 316      | 10       | Bias                | 15.371     | 15.218      | -0.153 |
| 317      | 10       | Bias                | 15.567     | 15.021      | -0.546 |
| 318      | 10       | Unbiased            | 15.369     | 15.217      | -0.152 |
| 319      | 10       | Unbiased            | 15.572     | 15.435      | -0.137 |
| 320      | 10       | Unbiased            | 15.379     | 15.281      | -0.098 |
| 321      | 10       | Unbiased            | 15.479     | 15.217      | -0.262 |
| 322      | 10       | Unbiased            | 15.545     | 15.376      | -0.169 |
| 323      | 30       | Bias                | 15.713     | 14.731      | -0.982 |
| 324      | 30       | Bias                | 15.443     | 14.498      | -0.945 |
| 325      | 30       | Bias                | 15.55      | 14.451      | -1.099 |
| 326      | 30       | Bias                | 15.332     | 14.257      | -1.075 |
| 327      | 30       | Bias                | 15.756     | 14.651      | -1.105 |
| 328      | 30       | Unbiased            | 15.364     | 15.085      | -0.279 |
| 329      | 30       | Unbiased            | 15.501     | 15.22       | -0.281 |
| 330      | 30       | Unbiased            | 15.358     | 15.072      | -0.286 |
| 331      | 30       | Unbiased            | 15.38      | 15.089      | -0.291 |
| 332      | 30       | Unbiased            | 15.626     | 15.323      | -0.303 |
| 333      | 50       | Bias                | 15.327     | 14.073      | -1.254 |
| 334      | 50       | Bias                | 15.422     | 14.15       | -1.272 |
| 335      | 50       | Bias                | 15.492     | 14.131      | -1.361 |
| 336      | 50       | Bias                | 15.456     | 14.093      | -1.363 |
| 337      | 50       | Bias                | 15.501     | 14.126      | -1.375 |
| 338      | 50       | Unbiased            | 15.38      | 15          | -0.38  |
| 339      | 50       | Unbiased            | 15.217     | 14.95       | -0.267 |
| 340      | 50       | Unbiased            | 15.456     | 15.137      | -0.319 |
| 341      | 50       | Unbiased            | 15.547     | 15.238      | -0.309 |
| 342      | 50       | Unbiased            | 15.366     | 15.067      | -0.299 |
| 343      | 100      | Bias                | 15.266     | 13.647      | -1.619 |
| 344      | 100      | Bias                | 15.398     | 13.764      | -1.634 |
| 345      | 100      | Bias                | 15.533     | 13.773      | -1.76  |
| 346      | 100      | Bias                | 15.608     | 13.836      | -1.772 |
| 347      | 100      | Bias                | 15.518     | 13.78       | -1.738 |
| 348      | 100      | Unbiased            | 15.286     | 14.877      | -0.409 |
| 349      | 100      | Unbiased            | 15.412     | 14.988      | -0.424 |
| 350      | 100      | Unbiased            | 15.342     | 14.854      | -0.488 |
| 351      | 100      | Unbiased            | 15.335     | 14.894      | -0.441 |
| 352      | 100      | Unbiased            | 15.241     | 14.787      | -0.454 |

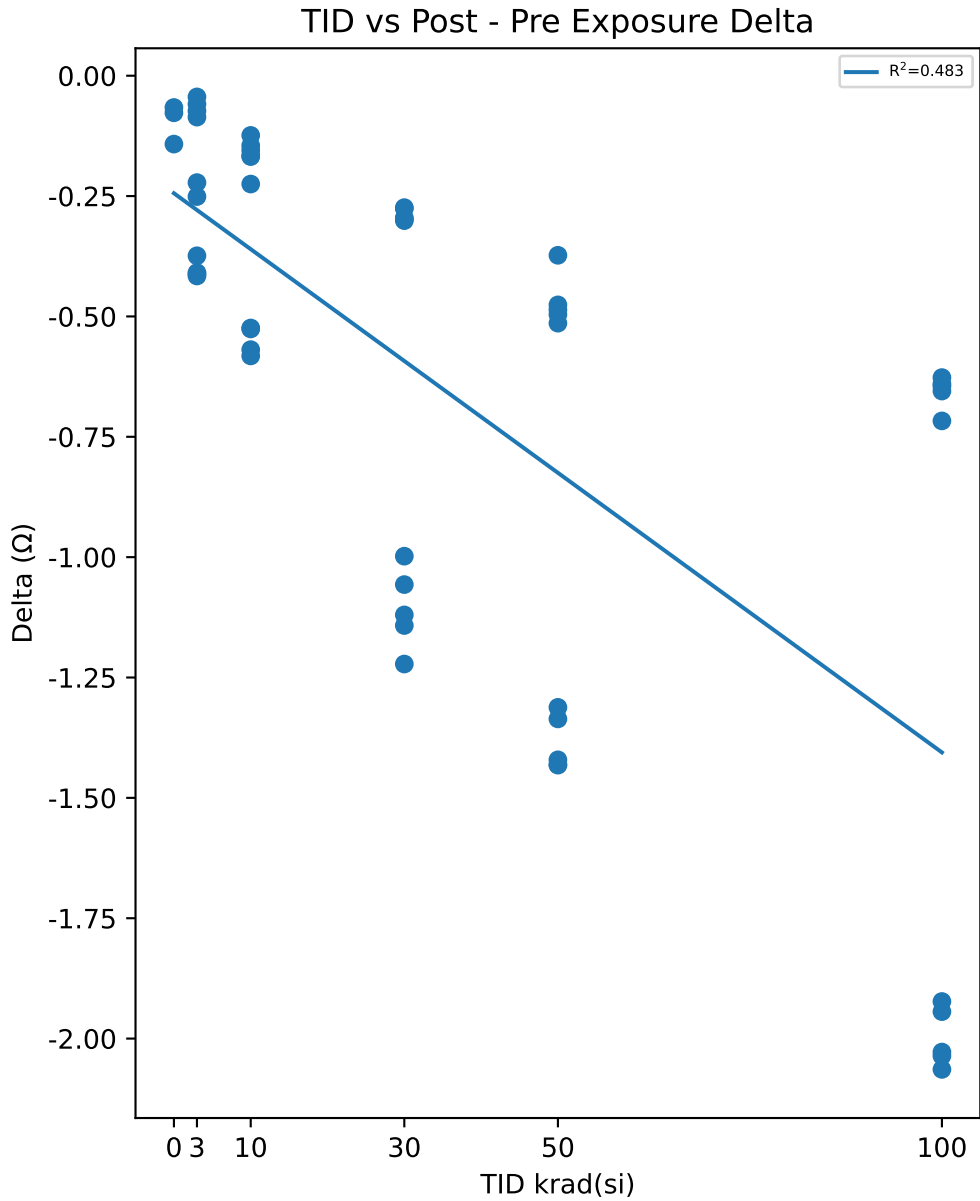
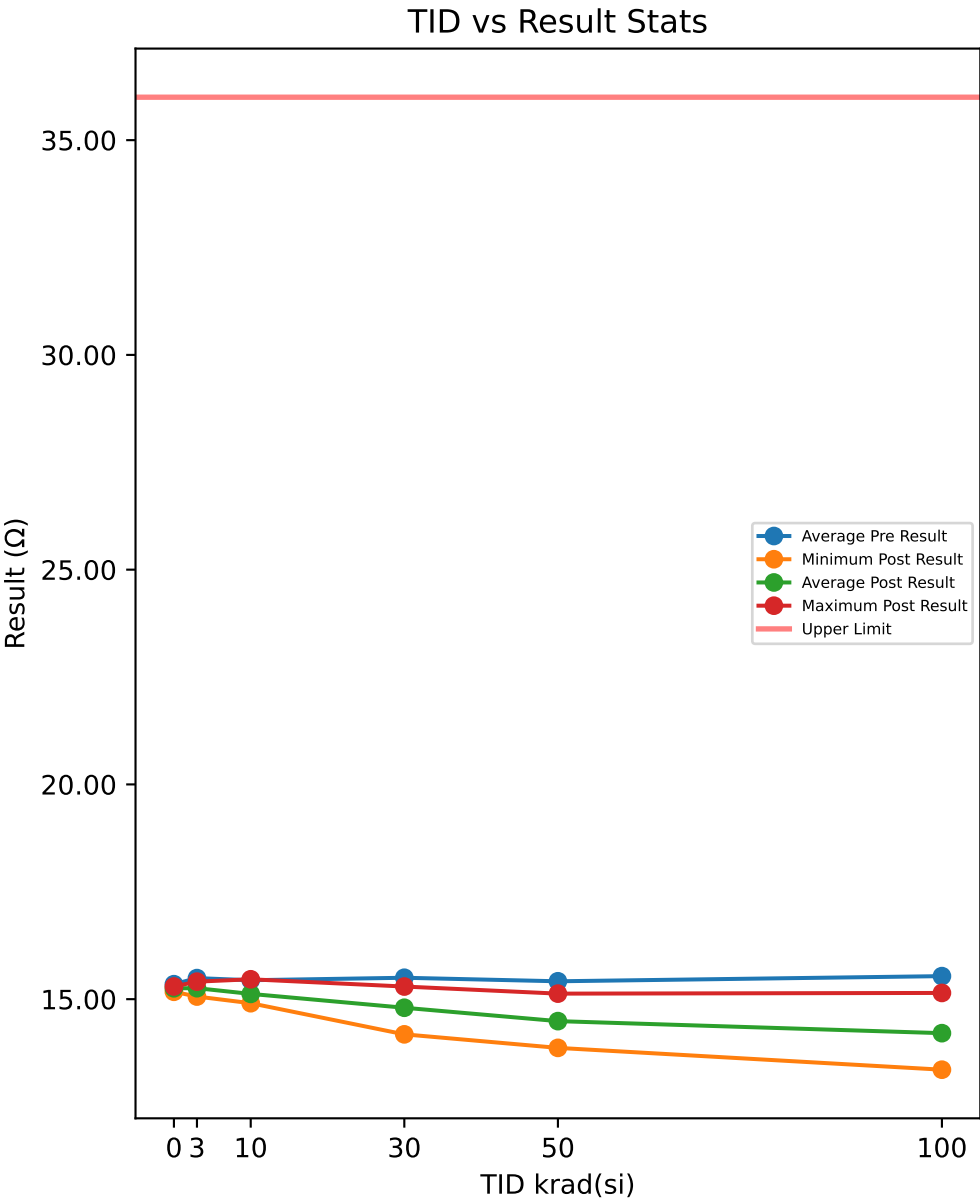
TID vs Post - Pre Exposure Delta



Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 15.288           | 15.363           | 15.433           | 0.072629         | 15.225            | 15.284            | 15.32             | 0.051507          | -0.113    | -0.079    | -0.061    | 0.029462  |
| 3        | 15.272           | 15.463           | 15.628           | 0.12393          | 15.191            | 15.348            | 15.523            | 0.11293           | -0.23     | -0.1154   | -0.043    | 0.079478  |
| 10       | 15.369           | 15.5             | 15.629           | 0.095719         | 15.021            | 15.19             | 15.435            | 0.14785           | -0.568    | -0.3093   | -0.098    | 0.19566   |
| 30       | 15.332           | 15.502           | 15.756           | 0.15411          | 14.257            | 14.838            | 15.323            | 0.36655           | -1.105    | -0.6646   | -0.279    | 0.39999   |
| 50       | 15.217           | 15.416           | 15.547           | 0.097019         | 14.073            | 14.597            | 15.238            | 0.514             | -1.375    | -0.8199   | -0.267    | 0.5345    |
| 100      | 15.241           | 15.394           | 15.608           | 0.12404          | 13.647            | 14.32             | 14.988            | 0.59407           | -1.772    | -1.0739   | -0.409    | 0.66688   |

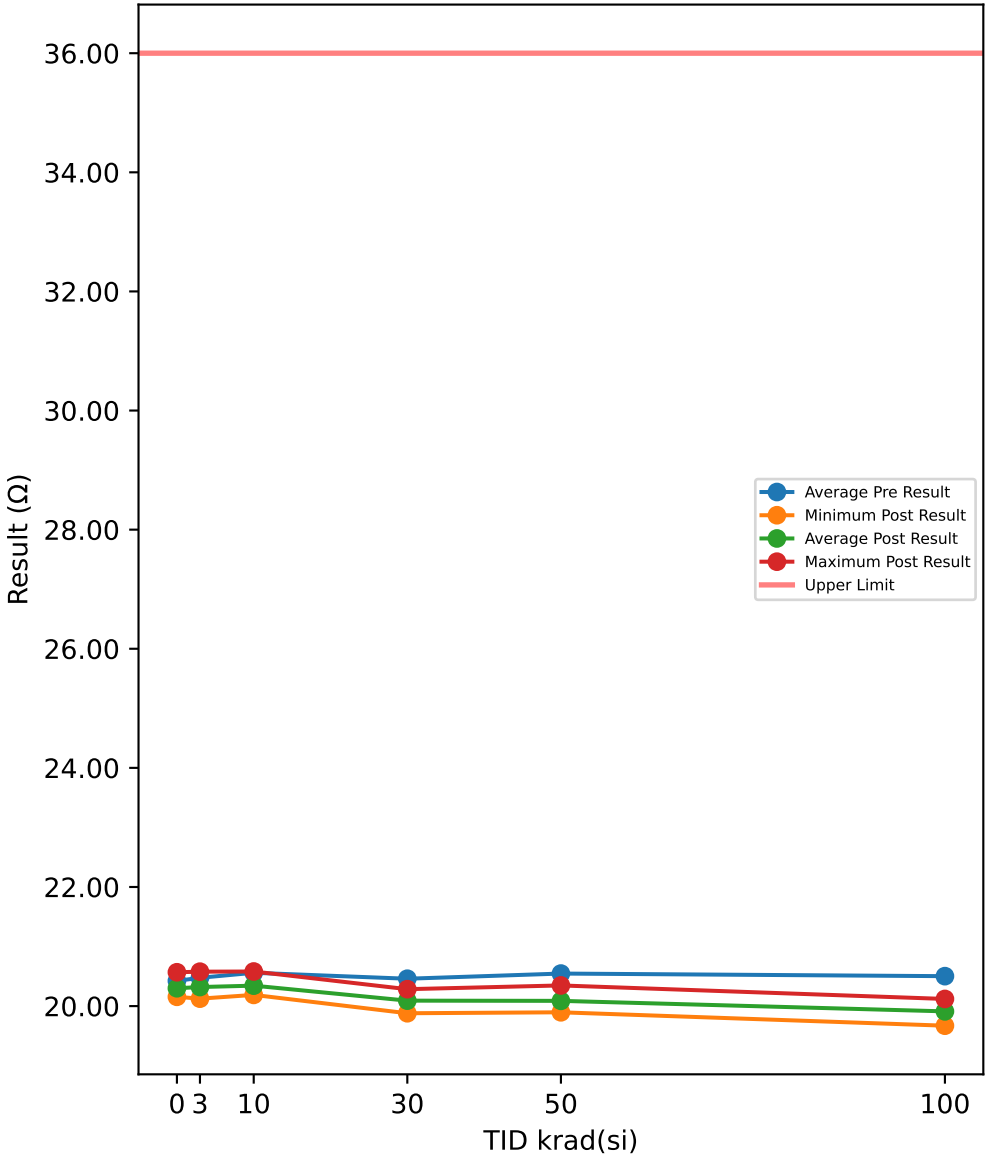
Device Test: 18.35 ; WDO\_RNMOS



| Test Results (Upper Limit = 36.0 (Ω)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 15.436     | 15.294      | -0.142 |
| 301                                   | 0        | Correlation         | 15.238     | 15.172      | -0.066 |
| 302                                   | 0        | Correlation         | 15.372     | 15.295      | -0.077 |
| 303                                   | 3        | Bias                | 15.676     | 15.267      | -0.409 |
| 304                                   | 3        | Bias                | 15.653     | 15.241      | -0.412 |
| 305                                   | 3        | Bias                | 15.671     | 15.255      | -0.416 |
| 306                                   | 3        | Bias                | 15.588     | 15.214      | -0.374 |
| 307                                   | 3        | Bias                | 15.617     | 15.366      | -0.251 |
| 308                                   | 3        | Unbiased            | 15.63      | 15.408      | -0.222 |
| 309                                   | 3        | Unbiased            | 15.333     | 15.26       | -0.073 |
| 310                                   | 3        | Unbiased            | 15.373     | 15.329      | -0.044 |
| 311                                   | 3        | Unbiased            | 15.241     | 15.155      | -0.086 |
| 312                                   | 3        | Unbiased            | 15.12      | 15.061      | -0.059 |
| 313                                   | 10       | Bias                | 15.53      | 15.006      | -0.524 |
| 314                                   | 10       | Bias                | 15.432     | 14.906      | -0.526 |
| 315                                   | 10       | Bias                | 15.539     | 14.957      | -0.582 |
| 316                                   | 10       | Bias                | 15.321     | 15.166      | -0.155 |
| 317                                   | 10       | Bias                | 15.532     | 14.963      | -0.569 |
| 318                                   | 10       | Unbiased            | 15.16      | 15.015      | -0.145 |
| 319                                   | 10       | Unbiased            | 15.629     | 15.463      | -0.166 |
| 320                                   | 10       | Unbiased            | 15.375     | 15.251      | -0.124 |
| 321                                   | 10       | Unbiased            | 15.442     | 15.217      | -0.225 |
| 322                                   | 10       | Unbiased            | 15.451     | 15.283      | -0.168 |
| 323                                   | 30       | Bias                | 15.731     | 14.674      | -1.057 |
| 324                                   | 30       | Bias                | 15.437     | 14.439      | -0.998 |
| 325                                   | 30       | Bias                | 15.402     | 14.26       | -1.142 |
| 326                                   | 30       | Bias                | 15.301     | 14.181      | -1.12  |
| 327                                   | 30       | Bias                | 15.897     | 14.675      | -1.222 |
| 328                                   | 30       | Unbiased            | 15.355     | 15.081      | -0.274 |
| 329                                   | 30       | Unbiased            | 15.501     | 15.225      | -0.276 |
| 330                                   | 30       | Unbiased            | 15.352     | 15.057      | -0.295 |
| 331                                   | 30       | Unbiased            | 15.414     | 15.116      | -0.298 |
| 332                                   | 30       | Unbiased            | 15.595     | 15.294      | -0.301 |
| 333                                   | 50       | Bias                | 15.178     | 13.866      | -1.312 |
| 334                                   | 50       | Bias                | 15.369     | 14.033      | -1.336 |
| 335                                   | 50       | Bias                | 15.416     | 13.985      | -1.431 |
| 336                                   | 50       | Bias                | 15.446     | 14.025      | -1.421 |
| 337                                   | 50       | Bias                | 15.436     | 14.004      | -1.432 |
| 338                                   | 50       | Unbiased            | 15.348     | 14.975      | -0.373 |
| 339                                   | 50       | Unbiased            | 15.425     | 14.949      | -0.476 |
| 340                                   | 50       | Unbiased            | 15.515     | 15.001      | -0.514 |
| 341                                   | 50       | Unbiased            | 15.615     | 15.129      | -0.486 |
| 342                                   | 50       | Unbiased            | 15.416     | 14.92       | -0.496 |
| 343                                   | 100      | Bias                | 15.281     | 13.358      | -1.923 |
| 344                                   | 100      | Bias                | 15.557     | 13.613      | -1.944 |
| 345                                   | 100      | Bias                | 15.554     | 13.526      | -2.028 |
| 346                                   | 100      | Bias                | 15.764     | 13.7        | -2.064 |
| 347                                   | 100      | Bias                | 15.689     | 13.653      | -2.036 |
| 348                                   | 100      | Unbiased            | 15.379     | 14.752      | -0.627 |
| 349                                   | 100      | Unbiased            | 15.785     | 15.145      | -0.64  |
| 350                                   | 100      | Unbiased            | 15.557     | 14.84       | -0.717 |
| 351                                   | 100      | Unbiased            | 15.527     | 14.872      | -0.655 |
| 352                                   | 100      | Unbiased            | 15.27      | 14.625      | -0.645 |

| Test Statistics (Ω) |                  |                  |                  |                  |                   |                   |                   |                   |           |           |           |           |
|---------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| krad(si)            | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
| 0                   | 15.238           | 15.349           | 15.436           | 0.10104          | 15.172            | 15.254            | 15.295            | 0.070727          | -0.142    | -0.095    | -0.066    | 0.041073  |
| 3                   | 15.12            | 15.49            | 15.676           | 0.20453          | 15.061            | 15.256            | 15.408            | 0.10049           | -0.416    | -0.2346   | -0.044    | 0.15987   |
| 10                  | 15.16            | 15.441           | 15.629           | 0.13294          | 14.906            | 15.123            | 15.463            | 0.1807            | -0.582    | -0.3184   | -0.124    | 0.20188   |
| 30                  | 15.301           | 15.499           | 15.897           | 0.18958          | 14.181            | 14.8              | 15.294            | 0.40908           | -1.222    | -0.6983   | -0.274    | 0.43545   |
| 50                  | 15.178           | 15.416           | 15.615           | 0.11267          | 13.866            | 14.489            | 15.129            | 0.53809           | -1.432    | -0.9277   | -0.373    | 0.48645   |
| 100                 | 15.27            | 15.536           | 15.785           | 0.1823           | 13.358            | 14.208            | 15.145            | 0.69088           | -2.064    | -1.3279   | -0.627    | 0.70898   |

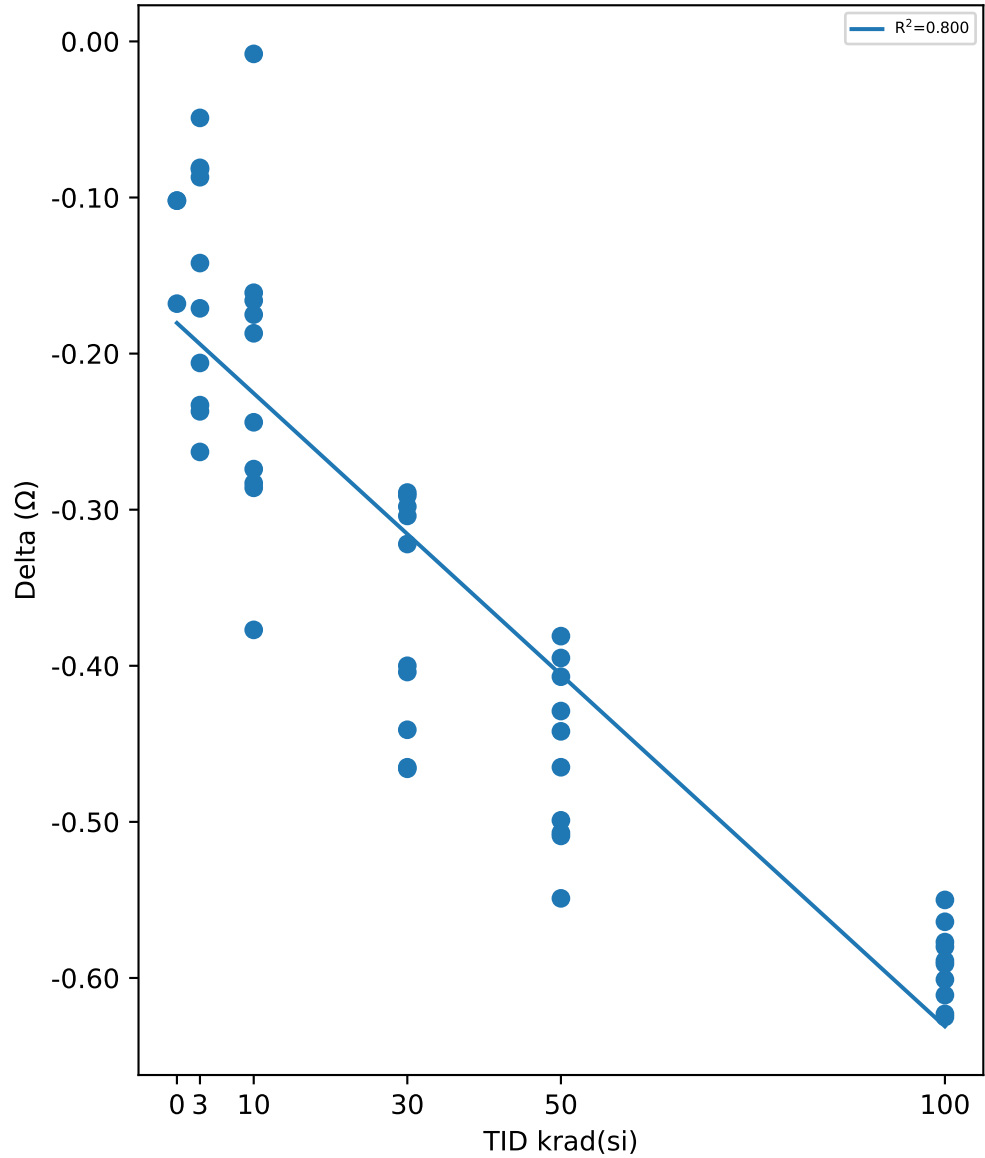
TID vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

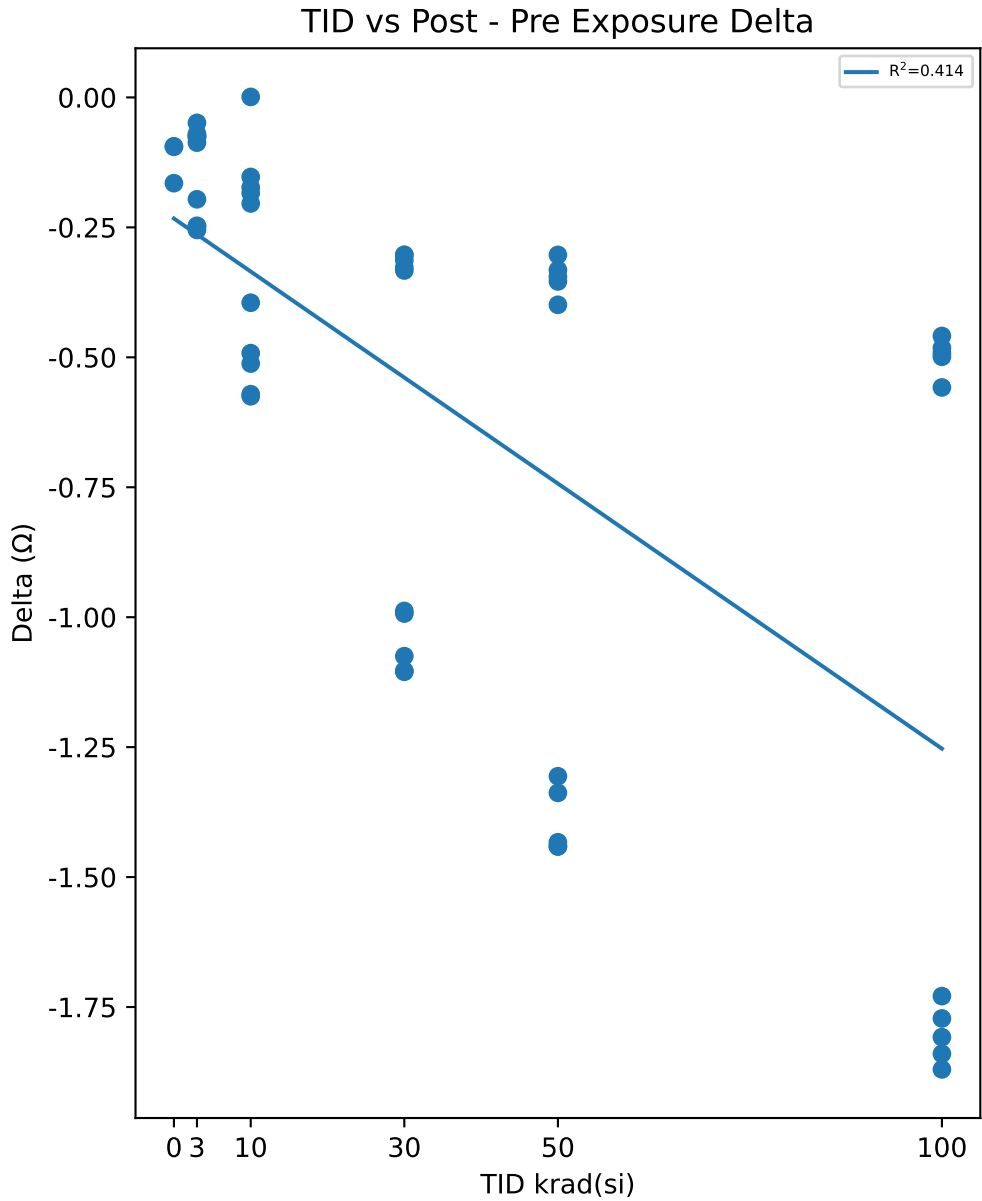
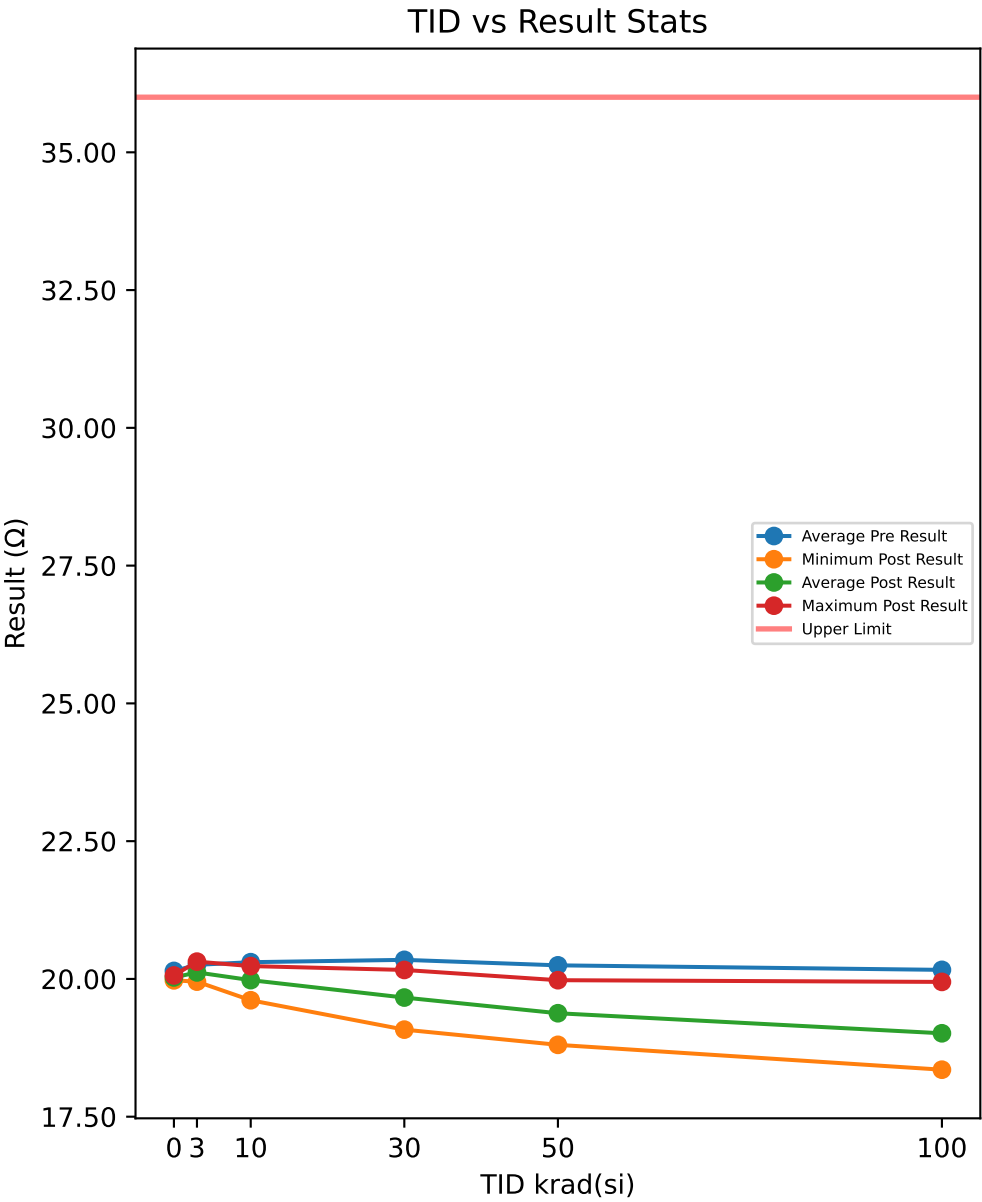
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 20.343     | 20.175      | -0.168 |
| 301      | 0        | Correlation         | 20.258     | 20.156      | -0.102 |
| 302      | 0        | Correlation         | 20.67      | 20.568      | -0.102 |
| 303      | 3        | Bias                | 20.424     | 20.161      | -0.263 |
| 304      | 3        | Bias                | 20.815     | 20.578      | -0.237 |
| 305      | 3        | Bias                | 20.517     | 20.284      | -0.233 |
| 306      | 3        | Bias                | 20.524     | 20.318      | -0.206 |
| 307      | 3        | Bias                | 20.5       | 20.329      | -0.171 |
| 308      | 3        | Unbiased            | 20.486     | 20.344      | -0.142 |
| 309      | 3        | Unbiased            | 20.612     | 20.53       | -0.082 |
| 310      | 3        | Unbiased            | 20.388     | 20.339      | -0.049 |
| 311      | 3        | Unbiased            | 20.206     | 20.125      | -0.081 |
| 312      | 3        | Unbiased            | 20.28      | 20.193      | -0.087 |
| 313      | 10       | Bias                | 20.558     | 20.314      | -0.244 |
| 314      | 10       | Bias                | 20.661     | 20.375      | -0.286 |
| 315      | 10       | Bias                | 20.485     | 20.211      | -0.274 |
| 316      | 10       | Bias                | 20.553     | 20.378      | -0.175 |
| 317      | 10       | Bias                | 20.528     | 20.245      | -0.283 |
| 318      | 10       | Unbiased            | 20.492     | 20.331      | -0.161 |
| 319      | 10       | Unbiased            | 20.354     | 20.188      | -0.166 |
| 320      | 10       | Unbiased            | 20.685     | 20.308      | -0.377 |
| 321      | 10       | Unbiased            | 20.51      | 20.502      | -0.008 |
| 322      | 10       | Unbiased            | 20.768     | 20.581      | -0.187 |
| 323      | 30       | Bias                | 20.45      | 20.05       | -0.4   |
| 324      | 30       | Bias                | 20.392     | 19.988      | -0.404 |
| 325      | 30       | Bias                | 20.669     | 20.204      | -0.465 |
| 326      | 30       | Bias                | 20.346     | 19.88       | -0.466 |
| 327      | 30       | Bias                | 20.577     | 20.136      | -0.441 |
| 328      | 30       | Unbiased            | 20.312     | 20.021      | -0.291 |
| 329      | 30       | Unbiased            | 20.573     | 20.284      | -0.289 |
| 330      | 30       | Unbiased            | 20.364     | 20.066      | -0.298 |
| 331      | 30       | Unbiased            | 20.499     | 20.177      | -0.322 |
| 332      | 30       | Unbiased            | 20.414     | 20.11       | -0.304 |
| 333      | 50       | Bias                | 20.38      | 19.915      | -0.465 |
| 334      | 50       | Bias                | 20.603     | 20.104      | -0.499 |
| 335      | 50       | Bias                | 20.43      | 19.923      | -0.507 |
| 336      | 50       | Bias                | 20.539     | 20.03       | -0.509 |
| 337      | 50       | Bias                | 20.819     | 20.27       | -0.549 |
| 338      | 50       | Unbiased            | 20.424     | 20.029      | -0.395 |
| 339      | 50       | Unbiased            | 20.277     | 19.896      | -0.381 |
| 340      | 50       | Unbiased            | 20.603     | 20.161      | -0.442 |
| 341      | 50       | Unbiased            | 20.612     | 20.205      | -0.407 |
| 342      | 50       | Unbiased            | 20.776     | 20.347      | -0.429 |
| 343      | 100      | Bias                | 20.437     | 19.86       | -0.577 |
| 344      | 100      | Bias                | 20.554     | 19.953      | -0.601 |
| 345      | 100      | Bias                | 20.476     | 19.853      | -0.623 |
| 346      | 100      | Bias                | 20.627     | 20.036      | -0.591 |
| 347      | 100      | Bias                | 20.549     | 19.96       | -0.589 |
| 348      | 100      | Unbiased            | 20.7       | 20.12       | -0.58  |
| 349      | 100      | Unbiased            | 20.532     | 19.968      | -0.564 |
| 350      | 100      | Unbiased            | 20.296     | 19.671      | -0.625 |
| 351      | 100      | Unbiased            | 20.562     | 19.951      | -0.611 |
| 352      | 100      | Unbiased            | 20.294     | 19.744      | -0.55  |

TID vs Post - Pre Exposure Delta



Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 20.258           | 20.424           | 20.67            | 0.21752          | 20.156            | 20.3              | 20.568            | 0.23258           | -0.168    | -0.124    | -0.102    | 0.038105  |
| 3        | 20.206           | 20.475           | 20.815           | 0.16991          | 20.125            | 20.32             | 20.578            | 0.14622           | -0.263    | -0.1551   | -0.049    | 0.077576  |
| 10       | 20.354           | 20.559           | 20.768           | 0.11802          | 20.188            | 20.343            | 20.581            | 0.12357           | -0.377    | -0.2161   | -0.008    | 0.10043   |
| 30       | 20.312           | 20.46            | 20.669           | 0.11672          | 19.88             | 20.092            | 20.284            | 0.11649           | -0.466    | -0.368    | -0.289    | 0.074494  |
| 50       | 20.277           | 20.546           | 20.819           | 0.17211          | 19.896            | 20.088            | 20.347            | 0.15647           | -0.549    | -0.4583   | -0.381    | 0.05638   |
| 100      | 20.294           | 20.503           | 20.7             | 0.13116          | 19.671            | 19.912            | 20.12             | 0.13324           | -0.625    | -0.5911   | -0.55     | 0.02452   |

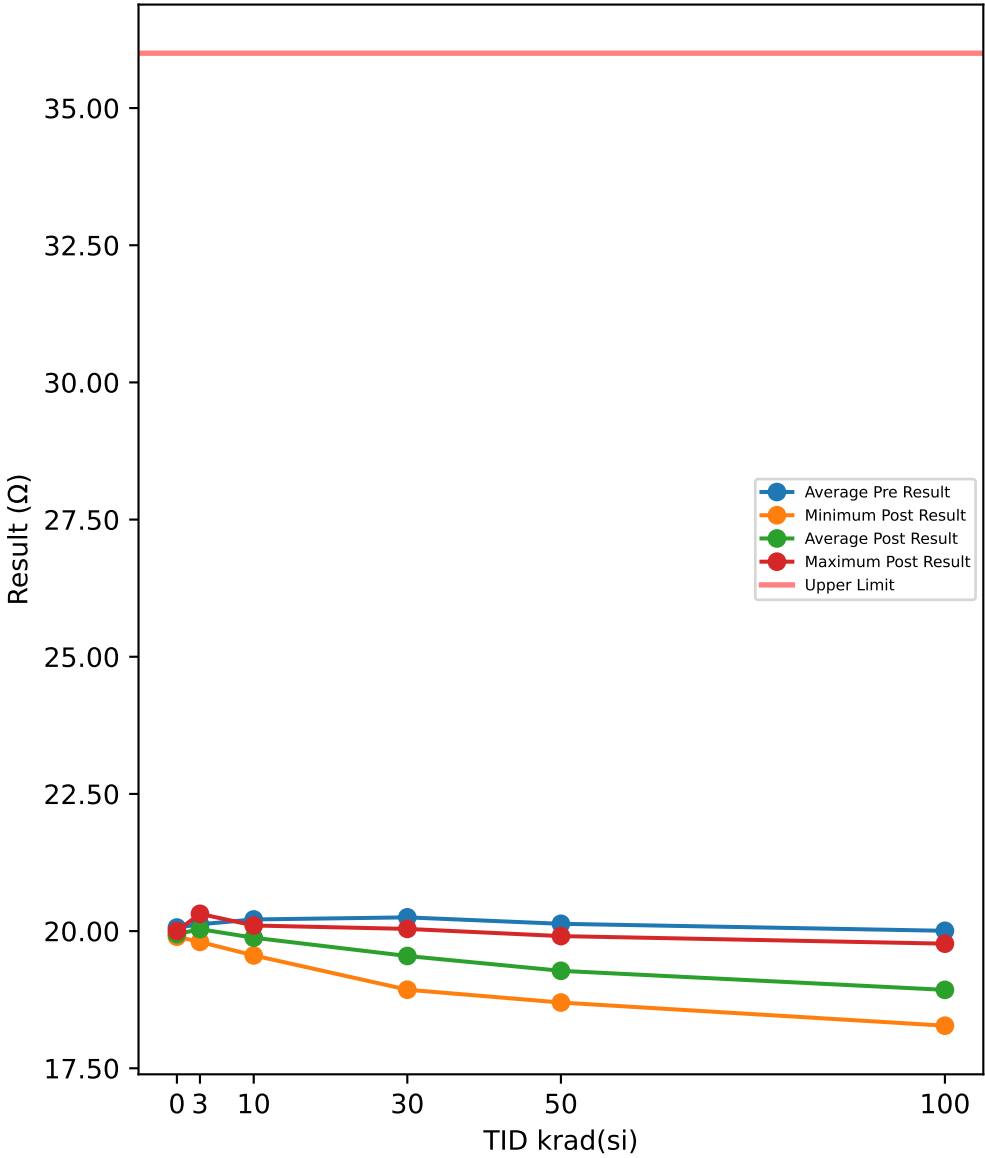


| Test Results (Upper Limit = 36.0 (Ω)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 20.228     | 20.063      | -0.165 |
| 301                                   | 0        | Correlation         | 20.069     | 19.974      | -0.095 |
| 302                                   | 0        | Correlation         | 20.139     | 20.045      | -0.094 |
| 303                                   | 3        | Bias                | 20.264     | 20.017      | -0.247 |
| 304                                   | 3        | Bias                | 20.313     | 20.058      | -0.255 |
| 305                                   | 3        | Bias                | 20.425     | 20.177      | -0.248 |
| 306                                   | 3        | Bias                | 20.274     | 20.078      | -0.196 |
| 307                                   | 3        | Bias                | 20.328     | 20.241      | -0.087 |
| 308                                   | 3        | Unbiased            | 20.383     | 20.307      | -0.076 |
| 309                                   | 3        | Unbiased            | 20.083     | 20.013      | -0.07  |
| 310                                   | 3        | Unbiased            | 20.363     | 20.314      | -0.049 |
| 311                                   | 3        | Unbiased            | 20.101     | 20.025      | -0.076 |
| 312                                   | 3        | Unbiased            | 20.024     | 19.951      | -0.073 |
| 313                                   | 10       | Bias                | 20.427     | 19.915      | -0.512 |
| 314                                   | 10       | Bias                | 20.105     | 19.613      | -0.492 |
| 315                                   | 10       | Bias                | 20.415     | 19.844      | -0.571 |
| 316                                   | 10       | Bias                | 20.268     | 20.095      | -0.173 |
| 317                                   | 10       | Bias                | 20.486     | 19.911      | -0.575 |
| 318                                   | 10       | Unbiased            | 20.034     | 19.881      | -0.153 |
| 319                                   | 10       | Unbiased            | 20.377     | 20.193      | -0.184 |
| 320                                   | 10       | Unbiased            | 20.232     | 20.233      | 0.001  |
| 321                                   | 10       | Unbiased            | 20.444     | 20.049      | -0.395 |
| 322                                   | 10       | Unbiased            | 20.251     | 20.047      | -0.204 |
| 323                                   | 30       | Bias                | 20.428     | 19.435      | -0.993 |
| 324                                   | 30       | Bias                | 20.37      | 19.382      | -0.988 |
| 325                                   | 30       | Bias                | 20.185     | 19.08       | -1.105 |
| 326                                   | 30       | Bias                | 20.239     | 19.136      | -1.103 |
| 327                                   | 30       | Bias                | 20.56      | 19.485      | -1.075 |
| 328                                   | 30       | Unbiased            | 20.267     | 19.964      | -0.303 |
| 329                                   | 30       | Unbiased            | 20.466     | 20.163      | -0.303 |
| 330                                   | 30       | Unbiased            | 20.173     | 19.86       | -0.313 |
| 331                                   | 30       | Unbiased            | 20.336     | 20.003      | -0.333 |
| 332                                   | 30       | Unbiased            | 20.438     | 20.111      | -0.327 |
| 333                                   | 50       | Bias                | 20.333     | 19.027      | -1.306 |
| 334                                   | 50       | Bias                | 20.142     | 18.804      | -1.338 |
| 335                                   | 50       | Bias                | 20.332     | 18.891      | -1.441 |
| 336                                   | 50       | Bias                | 20.396     | 18.955      | -1.441 |
| 337                                   | 50       | Bias                | 20.426     | 18.993      | -1.433 |
| 338                                   | 50       | Unbiased            | 20.248     | 19.849      | -0.399 |
| 339                                   | 50       | Unbiased            | 20.005     | 19.702      | -0.303 |
| 340                                   | 50       | Unbiased            | 20.169     | 19.815      | -0.354 |
| 341                                   | 50       | Unbiased            | 20.322     | 19.977      | -0.345 |
| 342                                   | 50       | Unbiased            | 20.094     | 19.762      | -0.332 |
| 343                                   | 100      | Bias                | 20.082     | 18.353      | -1.729 |
| 344                                   | 100      | Bias                | 20.22      | 18.448      | -1.772 |
| 345                                   | 100      | Bias                | 20.215     | 18.375      | -1.84  |
| 346                                   | 100      | Bias                | 20.289     | 18.419      | -1.87  |
| 347                                   | 100      | Bias                | 20.267     | 18.459      | -1.808 |
| 348                                   | 100      | Unbiased            | 20.046     | 19.587      | -0.459 |
| 349                                   | 100      | Unbiased            | 20.428     | 19.946      | -0.482 |
| 350                                   | 100      | Unbiased            | 20.095     | 19.537      | -0.558 |
| 351                                   | 100      | Unbiased            | 19.993     | 19.494      | -0.499 |
| 352                                   | 100      | Unbiased            | 20.01      | 19.518      | -0.492 |

| Test Statistics (Ω) |                  |                  |                  |                  |                   |                   |                   |                   |           |           |           |           |
|---------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| krad(si)            | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
| 0                   | 20.069           | 20.145           | 20.228           | 0.079689         | 19.974            | 20.027            | 20.063            | 0.047057          | -0.165    | -0.118    | -0.094    | 0.040706  |
| 3                   | 20.024           | 20.256           | 20.425           | 0.13854          | 19.951            | 20.118            | 20.314            | 0.13153           | -0.255    | -0.1377   | -0.049    | 0.086982  |
| 10                  | 20.034           | 20.304           | 20.486           | 0.15176          | 19.613            | 19.978            | 20.233            | 0.18372           | -0.575    | -0.3258   | 0.001     | 0.20663   |
| 30                  | 20.173           | 20.346           | 20.56            | 0.12893          | 19.08             | 19.662            | 20.163            | 0.40496           | -1.105    | -0.6843   | -0.303    | 0.39047   |
| 50                  | 20.005           | 20.247           | 20.426           | 0.13887          | 18.804            | 19.378            | 19.977            | 0.47622           | -1.441    | -0.8692   | -0.303    | 0.55305   |
| 100                 | 19.993           | 20.165           | 20.428           | 0.14143          | 18.353            | 19.014            | 19.946            | 0.64829           | -1.87     | -1.1509   | -0.459    | 0.68965   |



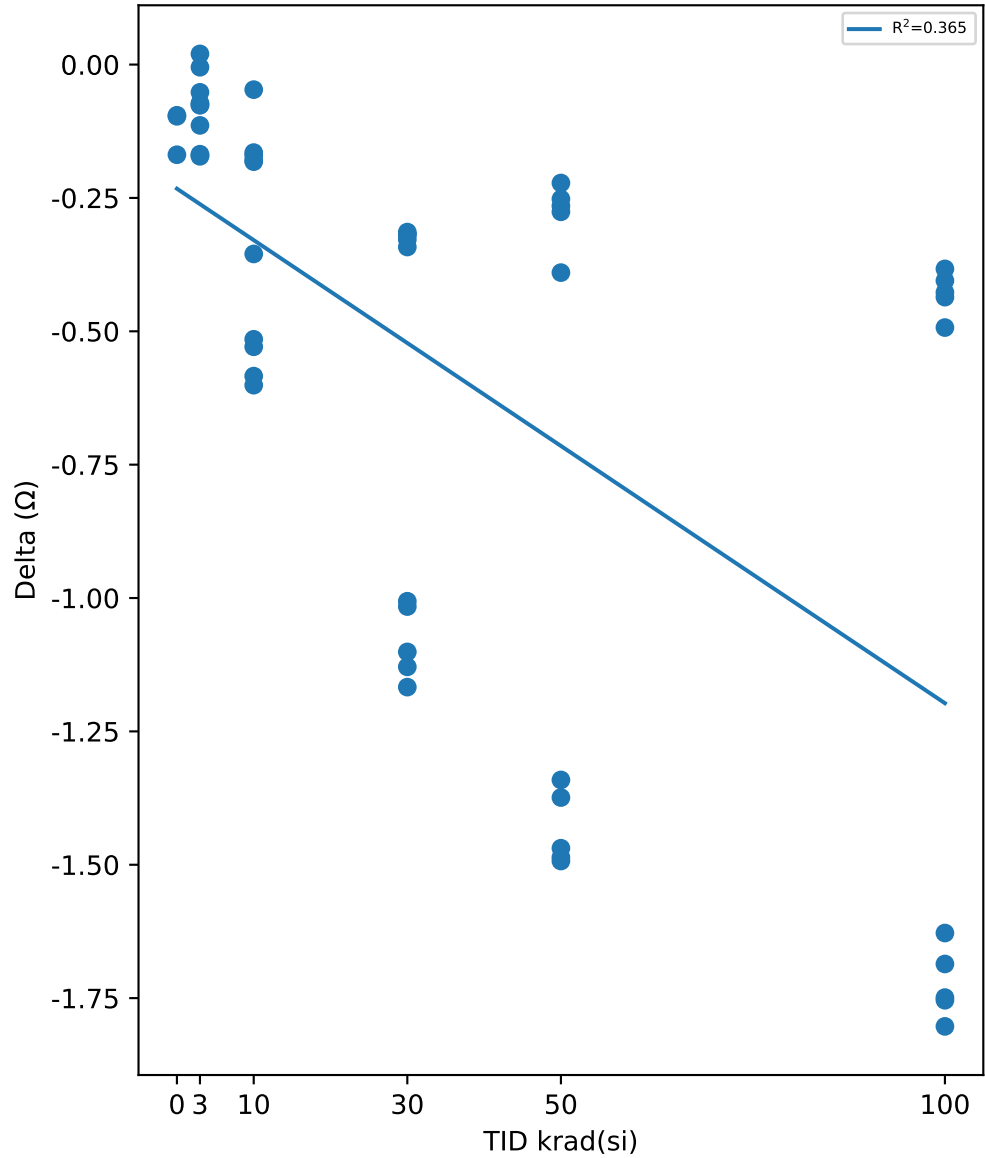
TID vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 20.171     | 20.002      | -0.169 |
| 301      | 0        | Correlation         | 19.995     | 19.898      | -0.097 |
| 302      | 0        | Correlation         | 20.028     | 19.933      | -0.095 |
| 303      | 3        | Bias                | 20.054     | 19.886      | -0.168 |
| 304      | 3        | Bias                | 20.278     | 20.106      | -0.172 |
| 305      | 3        | Bias                | 20.146     | 19.976      | -0.17  |
| 306      | 3        | Bias                | 20.165     | 20.051      | -0.114 |
| 307      | 3        | Bias                | 20.133     | 20.128      | -0.005 |
| 308      | 3        | Unbiased            | 20.295     | 20.315      | 0.02   |
| 309      | 3        | Unbiased            | 20.047     | 19.971      | -0.076 |
| 310      | 3        | Unbiased            | 20.275     | 20.223      | -0.052 |
| 311      | 3        | Unbiased            | 19.968     | 19.896      | -0.072 |
| 312      | 3        | Unbiased            | 19.879     | 19.803      | -0.076 |
| 313      | 10       | Bias                | 20.377     | 19.848      | -0.529 |
| 314      | 10       | Bias                | 20.072     | 19.557      | -0.515 |
| 315      | 10       | Bias                | 20.284     | 19.7        | -0.584 |
| 316      | 10       | Bias                | 20.186     | 20.004      | -0.182 |
| 317      | 10       | Bias                | 20.41      | 19.809      | -0.601 |
| 318      | 10       | Unbiased            | 19.902     | 19.737      | -0.165 |
| 319      | 10       | Unbiased            | 20.223     | 20.053      | -0.17  |
| 320      | 10       | Unbiased            | 20.149     | 20.102      | -0.047 |
| 321      | 10       | Unbiased            | 20.328     | 19.973      | -0.355 |
| 322      | 10       | Unbiased            | 20.19      | 20.011      | -0.179 |
| 323      | 30       | Bias                | 20.369     | 19.353      | -1.016 |
| 324      | 30       | Bias                | 20.233     | 19.227      | -1.006 |
| 325      | 30       | Bias                | 20.164     | 18.997      | -1.167 |
| 326      | 30       | Bias                | 20.061     | 18.932      | -1.129 |
| 327      | 30       | Bias                | 20.487     | 19.386      | -1.101 |
| 328      | 30       | Unbiased            | 20.095     | 19.776      | -0.319 |
| 329      | 30       | Unbiased            | 20.354     | 20.04       | -0.314 |
| 330      | 30       | Unbiased            | 20.057     | 19.739      | -0.318 |
| 331      | 30       | Unbiased            | 20.368     | 20.026      | -0.342 |
| 332      | 30       | Unbiased            | 20.315     | 19.987      | -0.328 |
| 333      | 50       | Bias                | 20.195     | 18.854      | -1.341 |
| 334      | 50       | Bias                | 20.072     | 18.698      | -1.374 |
| 335      | 50       | Bias                | 20.27      | 18.784      | -1.486 |
| 336      | 50       | Bias                | 20.389     | 18.92       | -1.469 |
| 337      | 50       | Bias                | 20.349     | 18.856      | -1.493 |
| 338      | 50       | Unbiased            | 20.137     | 19.747      | -0.39  |
| 339      | 50       | Unbiased            | 19.84      | 19.618      | -0.222 |
| 340      | 50       | Unbiased            | 19.979     | 19.703      | -0.276 |
| 341      | 50       | Unbiased            | 20.161     | 19.909      | -0.252 |
| 342      | 50       | Unbiased            | 19.938     | 19.673      | -0.265 |
| 343      | 100      | Bias                | 19.904     | 18.276      | -1.628 |
| 344      | 100      | Bias                | 20.109     | 18.423      | -1.686 |
| 345      | 100      | Bias                | 20.043     | 18.294      | -1.749 |
| 346      | 100      | Bias                | 20.276     | 18.473      | -1.803 |
| 347      | 100      | Bias                | 20.17      | 18.416      | -1.754 |
| 348      | 100      | Unbiased            | 19.882     | 19.477      | -0.405 |
| 349      | 100      | Unbiased            | 20.154     | 19.771      | -0.383 |
| 350      | 100      | Unbiased            | 19.871     | 19.378      | -0.493 |
| 351      | 100      | Unbiased            | 19.925     | 19.489      | -0.436 |
| 352      | 100      | Unbiased            | 19.72      | 19.293      | -0.427 |

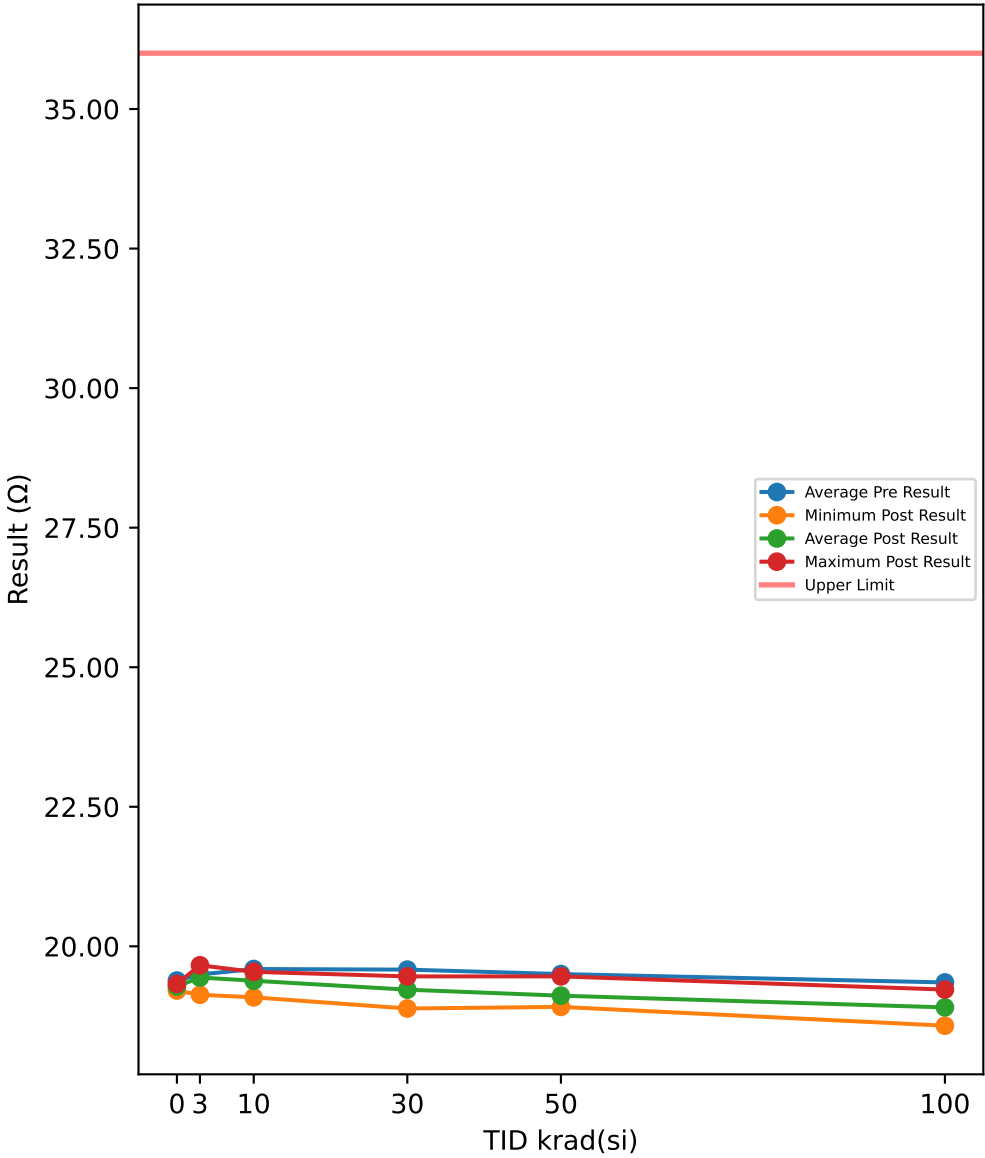
TID vs Post - Pre Exposure Delta



Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 19.995           | 20.065           | 20.171           | 0.093554         | 19.898            | 19.944            | 20.002            | 0.052918          | -0.169    | -0.12033  | -0.095    | 0.042158  |
| 3        | 19.879           | 20.124           | 20.295           | 0.13872          | 19.803            | 20.035            | 20.315            | 0.16007           | -0.172    | -0.0885   | 0.02      | 0.067697  |
| 10       | 19.902           | 20.212           | 20.41            | 0.1513           | 19.557            | 19.879            | 20.102            | 0.17753           | -0.601    | -0.3327   | -0.047    | 0.20815   |
| 30       | 20.057           | 20.25            | 20.487           | 0.15054          | 18.932            | 19.546            | 20.04             | 0.42191           | -1.167    | -0.704    | -0.314    | 0.40317   |
| 50       | 19.84            | 20.133           | 20.389           | 0.17855          | 18.698            | 19.276            | 19.909            | 0.48726           | -1.493    | -0.8568   | -0.222    | 0.61024   |
| 100      | 19.72            | 20.005           | 20.276           | 0.17193          | 18.276            | 18.929            | 19.771            | 0.59756           | -1.803    | -1.0764   | -0.383    | 0.68468   |

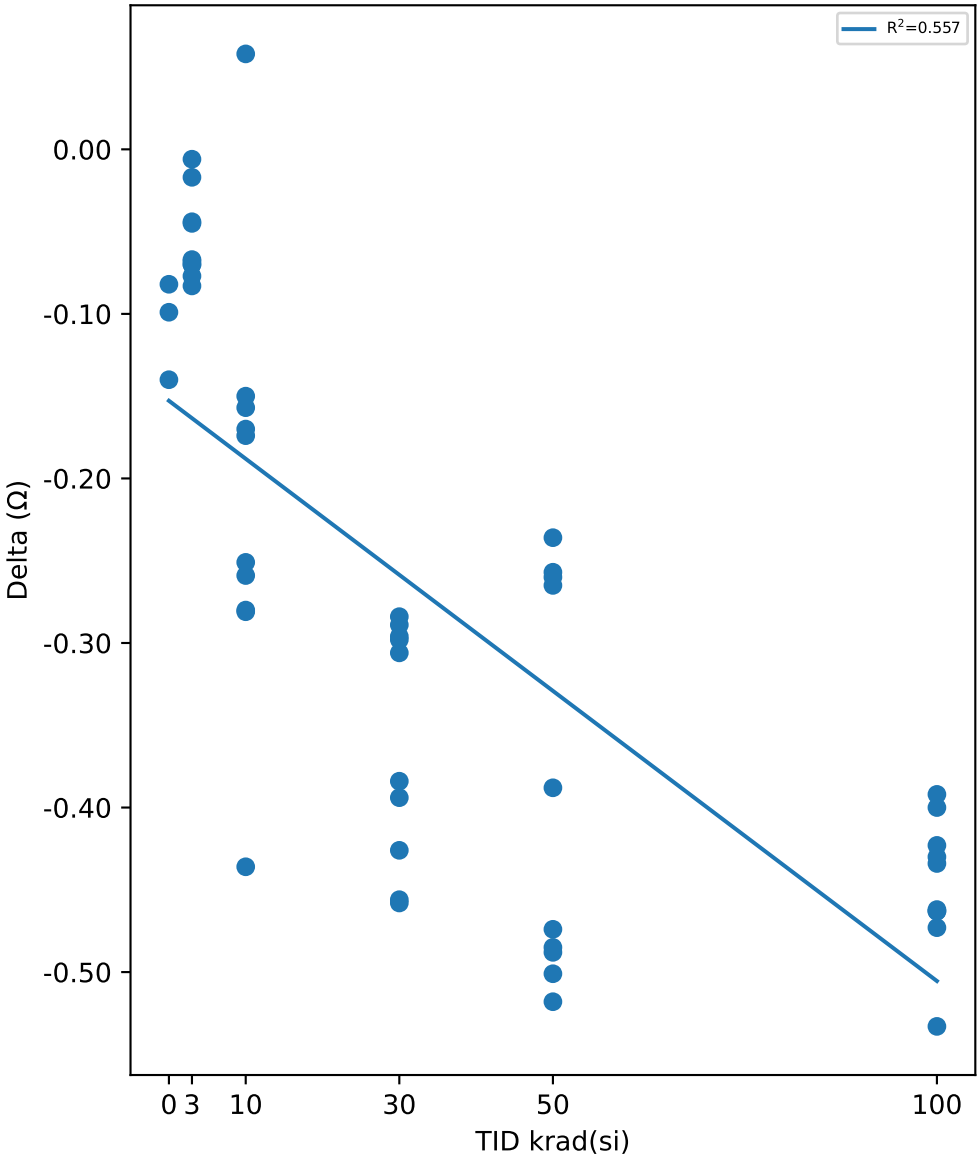
TID vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 19.466     | 19.326      | -0.14  |
| 301      | 0        | Correlation         | 19.306     | 19.207      | -0.099 |
| 302      | 0        | Correlation         | 19.389     | 19.307      | -0.082 |
| 303      | 3        | Bias                | 19.415     | 19.332      | -0.083 |
| 304      | 3        | Bias                | 19.727     | 19.66       | -0.067 |
| 305      | 3        | Bias                | 19.594     | 19.524      | -0.07  |
| 306      | 3        | Bias                | 19.503     | 19.459      | -0.044 |
| 307      | 3        | Bias                | 19.555     | 19.538      | -0.017 |
| 308      | 3        | Unbiased            | 19.627     | 19.621      | -0.006 |
| 309      | 3        | Unbiased            | 19.401     | 19.331      | -0.07  |
| 310      | 3        | Unbiased            | 19.641     | 19.596      | -0.045 |
| 311      | 3        | Unbiased            | 19.29      | 19.213      | -0.077 |
| 312      | 3        | Unbiased            | 19.2       | 19.132      | -0.068 |
| 313      | 10       | Bias                | 19.735     | 19.476      | -0.259 |
| 314      | 10       | Bias                | 19.443     | 19.192      | -0.251 |
| 315      | 10       | Bias                | 19.712     | 19.432      | -0.28  |
| 316      | 10       | Bias                | 19.501     | 19.331      | -0.17  |
| 317      | 10       | Bias                | 19.824     | 19.543      | -0.281 |
| 318      | 10       | Unbiased            | 19.236     | 19.086      | -0.15  |
| 319      | 10       | Unbiased            | 19.605     | 19.448      | -0.157 |
| 320      | 10       | Unbiased            | 19.482     | 19.54       | 0.058  |
| 321      | 10       | Unbiased            | 19.74      | 19.304      | -0.436 |
| 322      | 10       | Unbiased            | 19.655     | 19.481      | -0.174 |
| 323      | 30       | Bias                | 19.714     | 19.33       | -0.384 |
| 324      | 30       | Bias                | 19.568     | 19.174      | -0.394 |
| 325      | 30       | Bias                | 19.499     | 19.043      | -0.456 |
| 326      | 30       | Bias                | 19.344     | 18.886      | -0.458 |
| 327      | 30       | Bias                | 19.873     | 19.447      | -0.426 |
| 328      | 30       | Unbiased            | 19.394     | 19.105      | -0.289 |
| 329      | 30       | Unbiased            | 19.745     | 19.461      | -0.284 |
| 330      | 30       | Unbiased            | 19.372     | 19.074      | -0.298 |
| 331      | 30       | Unbiased            | 19.671     | 19.365      | -0.306 |
| 332      | 30       | Unbiased            | 19.645     | 19.349      | -0.296 |
| 333      | 50       | Bias                | 19.529     | 19.055      | -0.474 |
| 334      | 50       | Bias                | 19.424     | 18.936      | -0.488 |
| 335      | 50       | Bias                | 19.671     | 19.17       | -0.501 |
| 336      | 50       | Bias                | 19.72      | 19.235      | -0.485 |
| 337      | 50       | Bias                | 19.667     | 19.149      | -0.518 |
| 338      | 50       | Unbiased            | 19.478     | 19.09       | -0.388 |
| 339      | 50       | Unbiased            | 19.151     | 18.915      | -0.236 |
| 340      | 50       | Unbiased            | 19.405     | 19.148      | -0.257 |
| 341      | 50       | Unbiased            | 19.721     | 19.461      | -0.26  |
| 342      | 50       | Unbiased            | 19.264     | 18.999      | -0.265 |
| 343      | 100      | Bias                | 19.197     | 18.734      | -0.463 |
| 344      | 100      | Bias                | 19.504     | 19.07       | -0.434 |
| 345      | 100      | Bias                | 19.516     | 19.054      | -0.462 |
| 346      | 100      | Bias                | 19.533     | 19.103      | -0.43  |
| 347      | 100      | Bias                | 19.376     | 18.976      | -0.4   |
| 348      | 100      | Unbiased            | 19.256     | 18.833      | -0.423 |
| 349      | 100      | Unbiased            | 19.617     | 19.225      | -0.392 |
| 350      | 100      | Unbiased            | 19.209     | 18.676      | -0.533 |
| 351      | 100      | Unbiased            | 19.272     | 18.809      | -0.463 |
| 352      | 100      | Unbiased            | 19.051     | 18.578      | -0.473 |

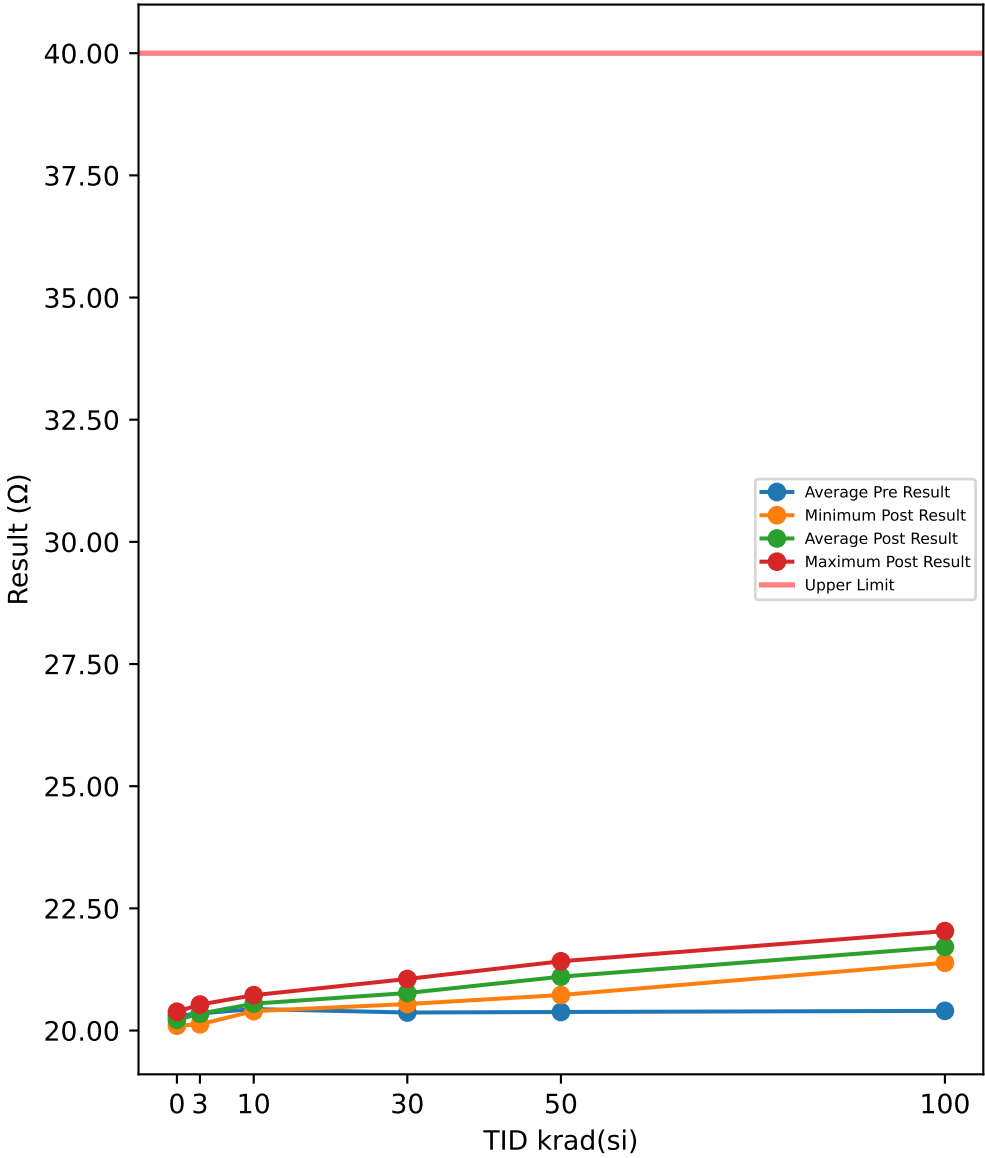
TID vs Post - Pre Exposure Delta



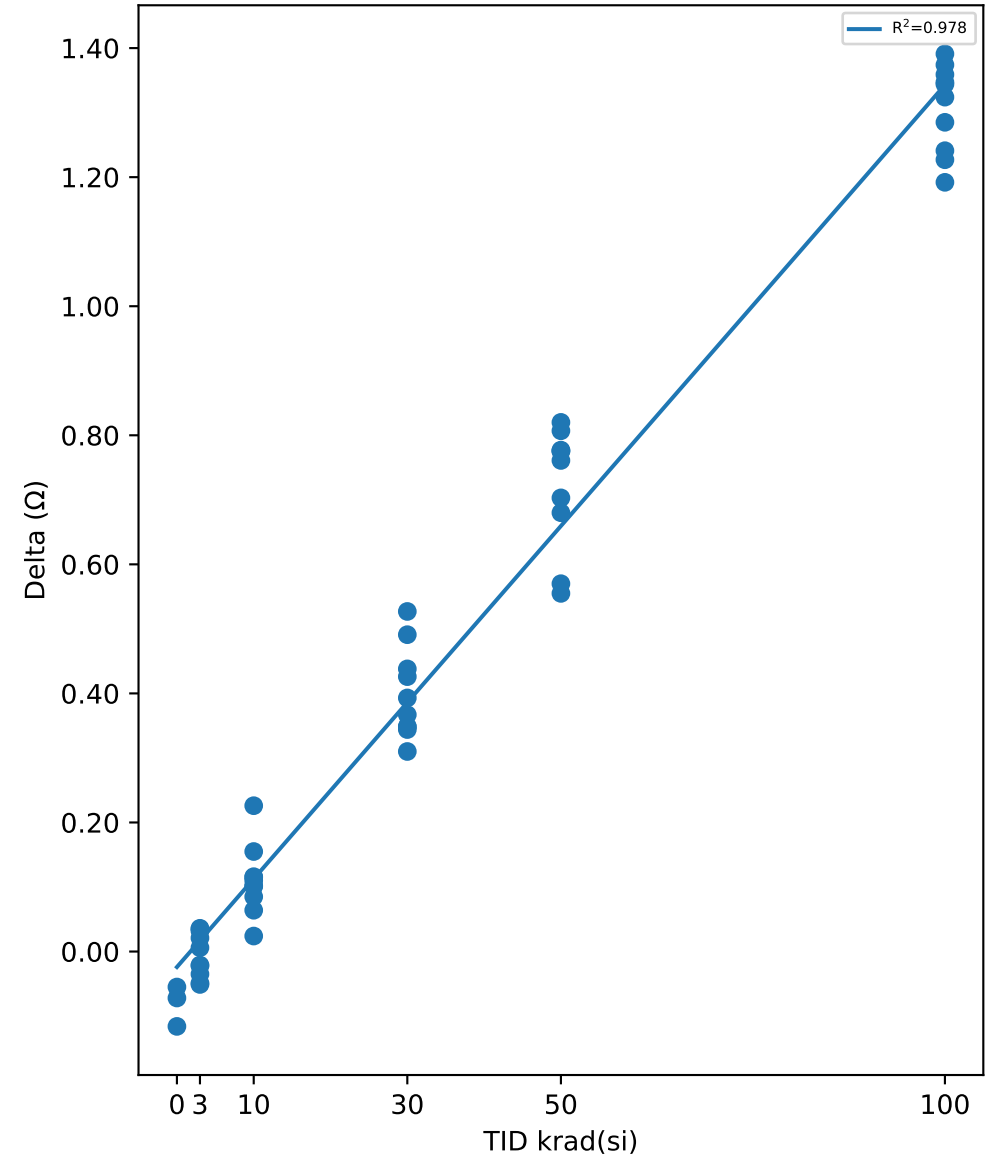
Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 19.306           | 19.387           | 19.466           | 0.080019         | 19.207            | 19.28             | 19.326            | 0.06393           | -0.14     | -0.107    | -0.082    | 0.029816  |
| 3        | 19.2             | 19.495           | 19.727           | 0.16677          | 19.132            | 19.441            | 19.66             | 0.18026           | -0.083    | -0.0547   | -0.006    | 0.026026  |
| 10       | 19.236           | 19.593           | 19.824           | 0.17764          | 19.086            | 19.383            | 19.543            | 0.1523            | -0.436    | -0.21     | 0.058     | 0.12747   |
| 30       | 19.344           | 19.582           | 19.873           | 0.17756          | 18.886            | 19.223            | 19.461            | 0.19402           | -0.458    | -0.3591   | -0.284    | 0.071936  |
| 50       | 19.151           | 19.503           | 19.721           | 0.19661          | 18.915            | 19.116            | 19.461            | 0.15955           | -0.518    | -0.3872   | -0.236    | 0.11937   |
| 100      | 19.051           | 19.353           | 19.617           | 0.18386          | 18.578            | 18.906            | 19.225            | 0.21057           | -0.533    | -0.4473   | -0.392    | 0.040928  |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 40.0 (Ω))

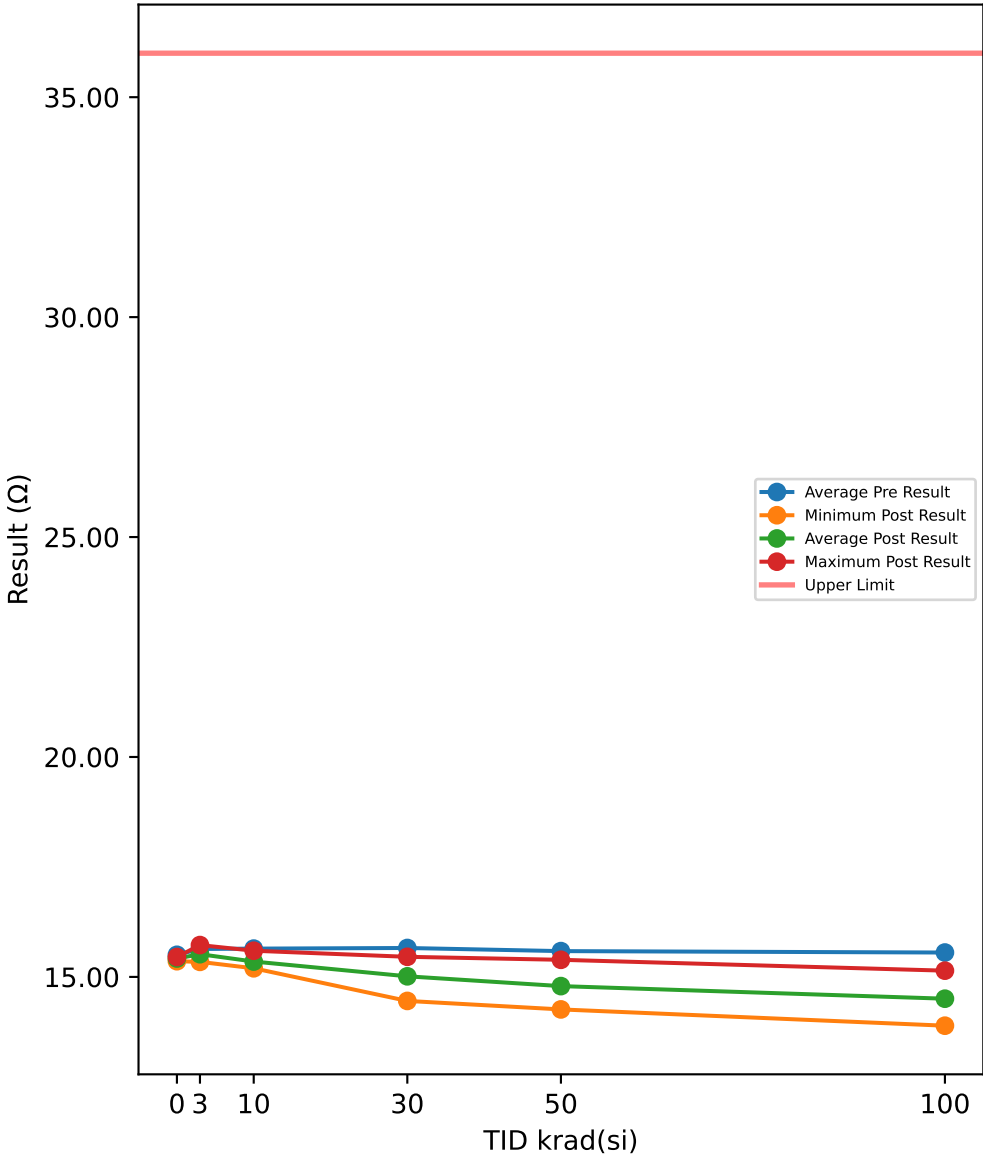
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 20.297     | 20.181      | -0.116 |
| 301      | 0        | Correlation         | 20.171     | 20.099      | -0.072 |
| 302      | 0        | Correlation         | 20.439     | 20.384      | -0.055 |
| 303      | 3        | Bias                | 20.454     | 20.405      | -0.049 |
| 304      | 3        | Bias                | 20.469     | 20.434      | -0.035 |
| 305      | 3        | Bias                | 20.218     | 20.224      | 0.006  |
| 306      | 3        | Bias                | 20.385     | 20.364      | -0.021 |
| 307      | 3        | Bias                | 20.583     | 20.532      | -0.051 |
| 308      | 3        | Unbiased            | 20.323     | 20.301      | -0.022 |
| 309      | 3        | Unbiased            | 20.359     | 20.395      | 0.036  |
| 310      | 3        | Unbiased            | 20.425     | 20.46       | 0.035  |
| 311      | 3        | Unbiased            | 20.106     | 20.127      | 0.021  |
| 312      | 3        | Unbiased            | 20.161     | 20.193      | 0.032  |
| 313      | 10       | Bias                | 20.287     | 20.397      | 0.11   |
| 314      | 10       | Bias                | 20.338     | 20.44       | 0.102  |
| 315      | 10       | Bias                | 20.484     | 20.639      | 0.155  |
| 316      | 10       | Bias                | 20.316     | 20.431      | 0.115  |
| 317      | 10       | Bias                | 20.456     | 20.572      | 0.116  |
| 318      | 10       | Unbiased            | 20.4       | 20.485      | 0.085  |
| 319      | 10       | Unbiased            | 20.5       | 20.564      | 0.064  |
| 320      | 10       | Unbiased            | 20.595     | 20.619      | 0.024  |
| 321      | 10       | Unbiased            | 20.497     | 20.723      | 0.226  |
| 322      | 10       | Unbiased            | 20.524     | 20.625      | 0.101  |
| 323      | 30       | Bias                | 20.372     | 20.765      | 0.393  |
| 324      | 30       | Bias                | 20.283     | 20.627      | 0.344  |
| 325      | 30       | Bias                | 20.528     | 21.055      | 0.527  |
| 326      | 30       | Bias                | 20.261     | 20.628      | 0.367  |
| 327      | 30       | Bias                | 20.376     | 20.802      | 0.426  |
| 328      | 30       | Unbiased            | 20.289     | 20.599      | 0.31   |
| 329      | 30       | Unbiased            | 20.453     | 20.802      | 0.349  |
| 330      | 30       | Unbiased            | 20.194     | 20.542      | 0.348  |
| 331      | 30       | Unbiased            | 20.429     | 20.867      | 0.438  |
| 332      | 30       | Unbiased            | 20.499     | 20.99       | 0.491  |
| 333      | 50       | Bias                | 20.157     | 20.727      | 0.57   |
| 334      | 50       | Bias                | 20.634     | 21.337      | 0.703  |
| 335      | 50       | Bias                | 20.454     | 21.274      | 0.82   |
| 336      | 50       | Bias                | 20.359     | 21.166      | 0.807  |
| 337      | 50       | Bias                | 20.64      | 21.417      | 0.777  |
| 338      | 50       | Unbiased            | 20.246     | 20.801      | 0.555  |
| 339      | 50       | Unbiased            | 20.287     | 20.967      | 0.68   |
| 340      | 50       | Unbiased            | 20.463     | 21.238      | 0.775  |
| 341      | 50       | Unbiased            | 20.224     | 20.985      | 0.761  |
| 342      | 50       | Unbiased            | 20.329     | 21.105      | 0.776  |
| 343      | 100      | Bias                | 20.283     | 21.568      | 1.285  |
| 344      | 100      | Bias                | 20.39      | 21.631      | 1.241  |
| 345      | 100      | Bias                | 20.317     | 21.708      | 1.391  |
| 346      | 100      | Bias                | 20.661     | 22.035      | 1.374  |
| 347      | 100      | Bias                | 20.476     | 21.8        | 1.324  |
| 348      | 100      | Unbiased            | 20.414     | 21.641      | 1.227  |
| 349      | 100      | Unbiased            | 20.367     | 21.559      | 1.192  |
| 350      | 100      | Unbiased            | 20.428     | 21.775      | 1.347  |
| 351      | 100      | Unbiased            | 20.645     | 22.004      | 1.359  |
| 352      | 100      | Unbiased            | 20.043     | 21.387      | 1.344  |

Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 20.171           | 20.302           | 20.439           | 0.13408          | 20.099            | 20.221            | 20.384            | 0.14672           | -0.116    | -0.081    | -0.055    | 0.03148   |
| 3        | 20.106           | 20.348           | 20.583           | 0.14891          | 20.127            | 20.343            | 20.532            | 0.129             | -0.051    | -0.0048   | 0.036     | 0.034871  |
| 10       | 20.287           | 20.44            | 20.595           | 0.1005           | 20.397            | 20.55             | 20.723            | 0.10688           | 0.024     | 0.1098    | 0.226     | 0.053566  |
| 30       | 20.194           | 20.368           | 20.528           | 0.11004          | 20.542            | 20.768            | 21.055            | 0.17091           | 0.31      | 0.3993    | 0.527     | 0.070083  |
| 50       | 20.157           | 20.379           | 20.64            | 0.16606          | 20.727            | 21.102            | 21.417            | 0.22847           | 0.555     | 0.7224    | 0.82      | 0.094408  |
| 100      | 20.043           | 20.402           | 20.661           | 0.17766          | 21.387            | 21.711            | 22.035            | 0.20074           | 1.192     | 1.3084    | 1.391     | 0.068274  |

Device Test: 18.40 ; PWRGD\_RNMOS

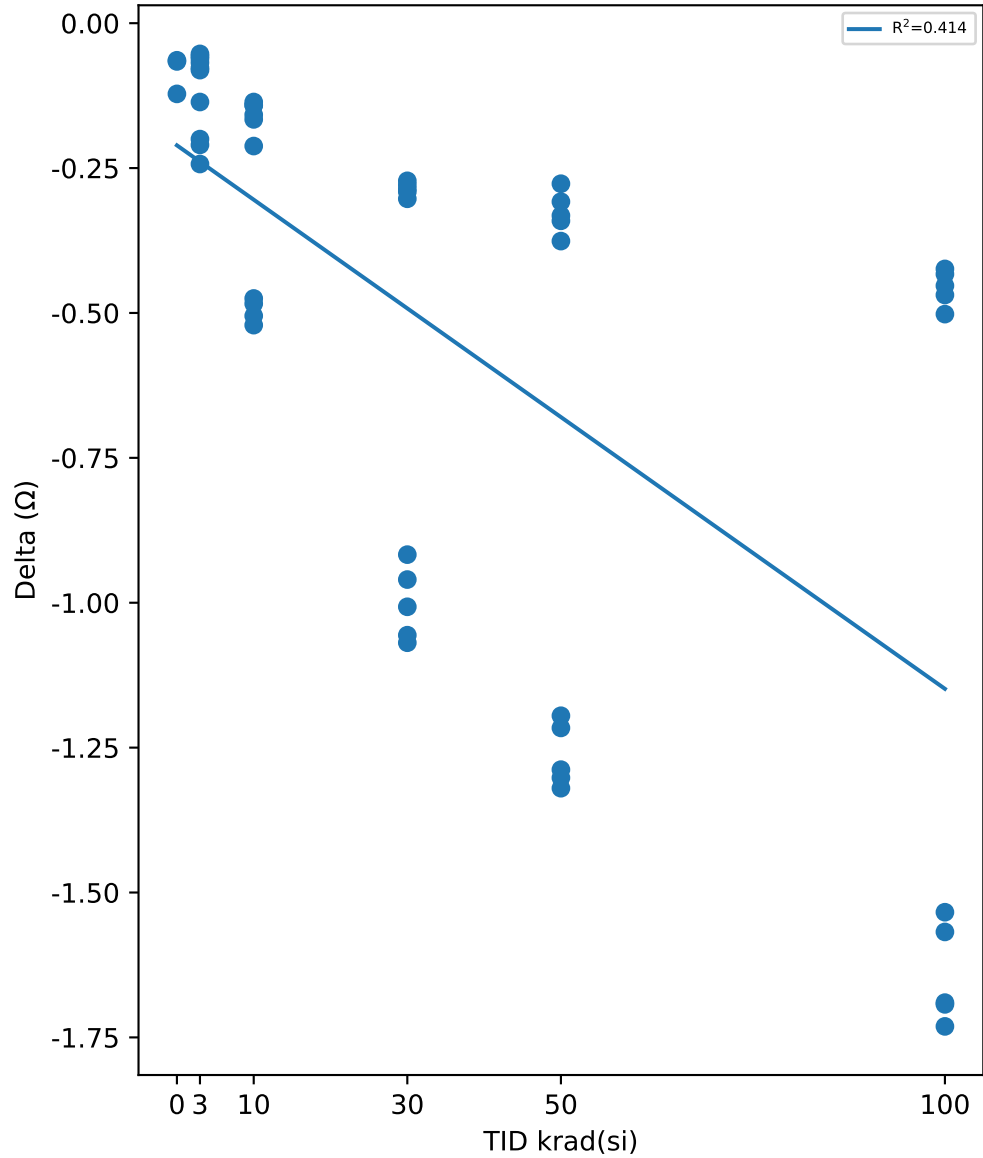
TID vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 15.569     | 15.447      | -0.122 |
| 301      | 0        | Correlation         | 15.423     | 15.357      | -0.066 |
| 302      | 0        | Correlation         | 15.516     | 15.452      | -0.064 |
| 303      | 3        | Bias                | 15.714     | 15.504      | -0.21  |
| 304      | 3        | Bias                | 15.812     | 15.569      | -0.243 |
| 305      | 3        | Bias                | 15.657     | 15.457      | -0.2   |
| 306      | 3        | Bias                | 15.478     | 15.342      | -0.136 |
| 307      | 3        | Bias                | 15.738     | 15.657      | -0.081 |
| 308      | 3        | Unbiased            | 15.781     | 15.724      | -0.057 |
| 309      | 3        | Unbiased            | 15.583     | 15.506      | -0.077 |
| 310      | 3        | Unbiased            | 15.697     | 15.644      | -0.053 |
| 311      | 3        | Unbiased            | 15.431     | 15.37       | -0.061 |
| 312      | 3        | Unbiased            | 15.459     | 15.391      | -0.068 |
| 313      | 10       | Bias                | 15.671     | 15.196      | -0.475 |
| 314      | 10       | Bias                | 15.735     | 15.251      | -0.484 |
| 315      | 10       | Bias                | 15.736     | 15.215      | -0.521 |
| 316      | 10       | Bias                | 15.535     | 15.377      | -0.158 |
| 317      | 10       | Bias                | 15.705     | 15.2        | -0.505 |
| 318      | 10       | Unbiased            | 15.55      | 15.409      | -0.141 |
| 319      | 10       | Unbiased            | 15.731     | 15.595      | -0.136 |
| 320      | 10       | Unbiased            | 15.508     | 15.366      | -0.142 |
| 321      | 10       | Unbiased            | 15.555     | 15.343      | -0.212 |
| 322      | 10       | Unbiased            | 15.708     | 15.542      | -0.166 |
| 323      | 30       | Bias                | 15.901     | 14.941      | -0.96  |
| 324      | 30       | Bias                | 15.604     | 14.687      | -0.917 |
| 325      | 30       | Bias                | 15.705     | 14.649      | -1.056 |
| 326      | 30       | Bias                | 15.461     | 14.454      | -1.007 |
| 327      | 30       | Bias                | 15.915     | 14.846      | -1.069 |
| 328      | 30       | Unbiased            | 15.519     | 15.247      | -0.272 |
| 329      | 30       | Unbiased            | 15.656     | 15.377      | -0.279 |
| 330      | 30       | Unbiased            | 15.509     | 15.223      | -0.286 |
| 331      | 30       | Unbiased            | 15.546     | 15.255      | -0.291 |
| 332      | 30       | Unbiased            | 15.76      | 15.457      | -0.303 |
| 333      | 50       | Bias                | 15.456     | 14.261      | -1.195 |
| 334      | 50       | Bias                | 15.568     | 14.352      | -1.216 |
| 335      | 50       | Bias                | 15.664     | 14.362      | -1.302 |
| 336      | 50       | Bias                | 15.62      | 14.332      | -1.288 |
| 337      | 50       | Bias                | 15.667     | 14.347      | -1.32  |
| 338      | 50       | Unbiased            | 15.552     | 15.176      | -0.376 |
| 339      | 50       | Unbiased            | 15.393     | 15.116      | -0.277 |
| 340      | 50       | Unbiased            | 15.682     | 15.341      | -0.341 |
| 341      | 50       | Unbiased            | 15.721     | 15.389      | -0.332 |
| 342      | 50       | Unbiased            | 15.542     | 15.234      | -0.308 |
| 343      | 100      | Bias                | 15.425     | 13.891      | -1.534 |
| 344      | 100      | Bias                | 15.546     | 13.978      | -1.568 |
| 345      | 100      | Bias                | 15.69      | 13.997      | -1.693 |
| 346      | 100      | Bias                | 15.764     | 14.033      | -1.731 |
| 347      | 100      | Bias                | 15.635     | 13.945      | -1.69  |
| 348      | 100      | Unbiased            | 15.46      | 15.036      | -0.424 |
| 349      | 100      | Unbiased            | 15.575     | 15.142      | -0.433 |
| 350      | 100      | Unbiased            | 15.515     | 15.013      | -0.502 |
| 351      | 100      | Unbiased            | 15.542     | 15.073      | -0.469 |
| 352      | 100      | Unbiased            | 15.392     | 14.939      | -0.453 |

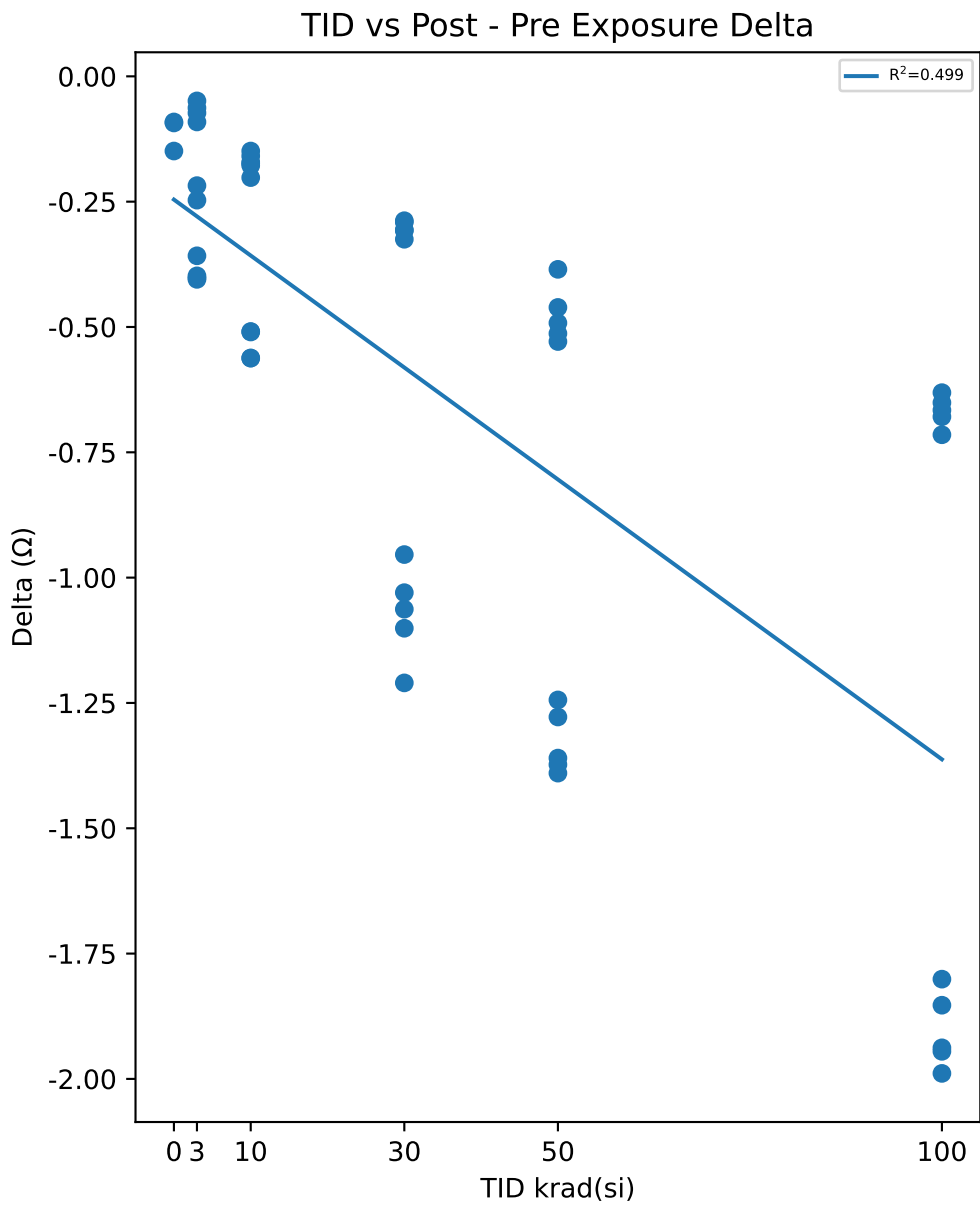
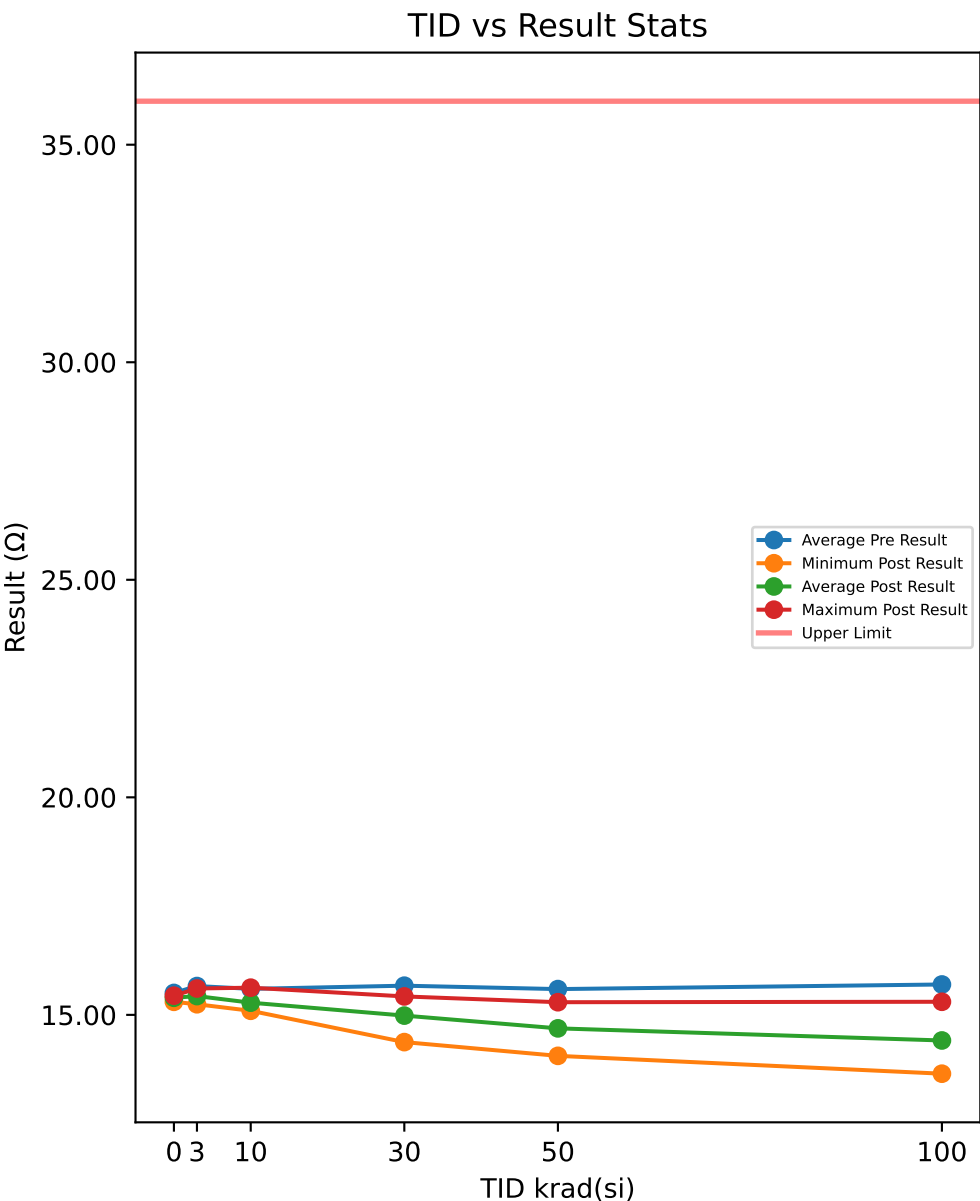
TID vs Post - Pre Exposure Delta



Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 15.423           | 15.503           | 15.569           | 0.073908         | 15.357            | 15.419            | 15.452            | 0.053463          | -0.122    | -0.084    | -0.064    | 0.032924  |
| 3        | 15.431           | 15.635           | 15.812           | 0.13895          | 15.342            | 15.516            | 15.724            | 0.1305            | -0.243    | -0.1186   | -0.053    | 0.072937  |
| 10       | 15.508           | 15.643           | 15.736           | 0.094275         | 15.196            | 15.349            | 15.595            | 0.1397            | -0.521    | -0.294    | -0.136    | 0.17575   |
| 30       | 15.461           | 15.658           | 15.915           | 0.16107          | 14.454            | 15.014            | 15.457            | 0.34502           | -1.069    | -0.644    | -0.272    | 0.37965   |
| 50       | 15.393           | 15.587           | 15.721           | 0.10478          | 14.261            | 14.791            | 15.389            | 0.49167           | -1.32     | -0.7955   | -0.277    | 0.49604   |
| 100      | 15.392           | 15.554           | 15.764           | 0.11693          | 13.891            | 14.505            | 15.142            | 0.56823           | -1.731    | -1.0497   | -0.424    | 0.6286    |

Device Test: 18.41 ; WDO\_RNMOS



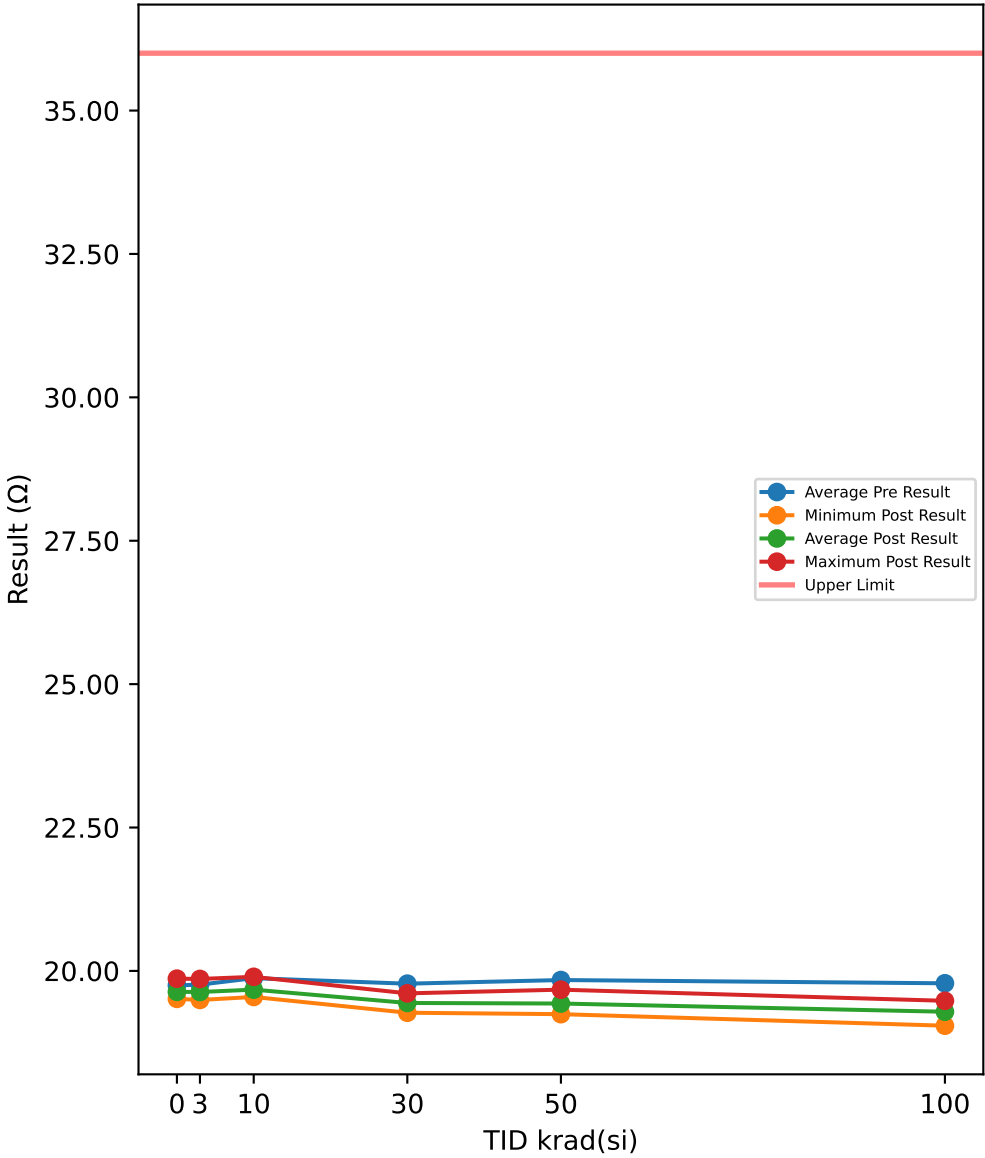
| Test Results (Upper Limit = 36.0 (Ω)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 15.59      | 15.441      | -0.149 |
| 301                                   | 0        | Correlation         | 15.393     | 15.3        | -0.093 |
| 302                                   | 0        | Correlation         | 15.529     | 15.438      | -0.091 |
| 303                                   | 3        | Bias                | 15.799     | 15.394      | -0.405 |
| 304                                   | 3        | Bias                | 15.838     | 15.436      | -0.402 |
| 305                                   | 3        | Bias                | 15.819     | 15.421      | -0.398 |
| 306                                   | 3        | Bias                | 15.734     | 15.376      | -0.358 |
| 307                                   | 3        | Bias                | 15.834     | 15.587      | -0.247 |
| 308                                   | 3        | Unbiased            | 15.824     | 15.606      | -0.218 |
| 309                                   | 3        | Unbiased            | 15.519     | 15.428      | -0.091 |
| 310                                   | 3        | Unbiased            | 15.574     | 15.525      | -0.049 |
| 311                                   | 3        | Unbiased            | 15.365     | 15.302      | -0.063 |
| 312                                   | 3        | Unbiased            | 15.317     | 15.244      | -0.073 |
| 313                                   | 10       | Bias                | 15.692     | 15.183      | -0.509 |
| 314                                   | 10       | Bias                | 15.604     | 15.094      | -0.51  |
| 315                                   | 10       | Bias                | 15.666     | 15.104      | -0.562 |
| 316                                   | 10       | Bias                | 15.49      | 15.331      | -0.159 |
| 317                                   | 10       | Bias                | 15.696     | 15.134      | -0.562 |
| 318                                   | 10       | Unbiased            | 15.343     | 15.194      | -0.149 |
| 319                                   | 10       | Unbiased            | 15.796     | 15.625      | -0.171 |
| 320                                   | 10       | Unbiased            | 15.526     | 15.324      | -0.202 |
| 321                                   | 10       | Unbiased            | 15.523     | 15.349      | -0.174 |
| 322                                   | 10       | Unbiased            | 15.643     | 15.465      | -0.178 |
| 323                                   | 30       | Bias                | 15.949     | 14.919      | -1.03  |
| 324                                   | 30       | Bias                | 15.613     | 14.659      | -0.954 |
| 325                                   | 30       | Bias                | 15.572     | 14.471      | -1.101 |
| 326                                   | 30       | Bias                | 15.437     | 14.374      | -1.063 |
| 327                                   | 30       | Bias                | 16.075     | 14.865      | -1.21  |
| 328                                   | 30       | Unbiased            | 15.527     | 15.239      | -0.288 |
| 329                                   | 30       | Unbiased            | 15.685     | 15.394      | -0.291 |
| 330                                   | 30       | Unbiased            | 15.518     | 15.212      | -0.306 |
| 331                                   | 30       | Unbiased            | 15.583     | 15.275      | -0.308 |
| 332                                   | 30       | Unbiased            | 15.749     | 15.424      | -0.325 |
| 333                                   | 50       | Bias                | 15.302     | 14.058      | -1.244 |
| 334                                   | 50       | Bias                | 15.52      | 14.242      | -1.278 |
| 335                                   | 50       | Bias                | 15.59      | 14.217      | -1.373 |
| 336                                   | 50       | Bias                | 15.64      | 14.28       | -1.36  |
| 337                                   | 50       | Bias                | 15.615     | 14.225      | -1.39  |
| 338                                   | 50       | Unbiased            | 15.543     | 15.158      | -0.385 |
| 339                                   | 50       | Unbiased            | 15.597     | 15.136      | -0.461 |
| 340                                   | 50       | Unbiased            | 15.73      | 15.201      | -0.529 |
| 341                                   | 50       | Unbiased            | 15.804     | 15.291      | -0.513 |
| 342                                   | 50       | Unbiased            | 15.585     | 15.093      | -0.492 |
| 343                                   | 100      | Bias                | 15.449     | 13.648      | -1.801 |
| 344                                   | 100      | Bias                | 15.71      | 13.857      | -1.853 |
| 345                                   | 100      | Bias                | 15.72      | 13.782      | -1.938 |
| 346                                   | 100      | Bias                | 15.919     | 13.93       | -1.989 |
| 347                                   | 100      | Bias                | 15.786     | 13.841      | -1.945 |
| 348                                   | 100      | Unbiased            | 15.572     | 14.941      | -0.631 |
| 349                                   | 100      | Unbiased            | 15.967     | 15.301      | -0.666 |
| 350                                   | 100      | Unbiased            | 15.715     | 15          | -0.715 |
| 351                                   | 100      | Unbiased            | 15.733     | 15.054      | -0.679 |
| 352                                   | 100      | Unbiased            | 15.413     | 14.762      | -0.651 |

Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 15.393           | 15.504           | 15.59            | 0.10085          | 15.3              | 15.393            | 15.441            | 0.080554          | -0.149    | -0.111    | -0.091    | 0.032924  |
| 3        | 15.317           | 15.662           | 15.838           | 0.20299          | 15.244            | 15.432            | 15.606            | 0.11543           | -0.405    | -0.2304   | -0.049    | 0.1527    |
| 10       | 15.343           | 15.598           | 15.796           | 0.12988          | 15.094            | 15.28             | 15.625            | 0.17199           | -0.562    | -0.3176   | -0.149    | 0.18905   |
| 30       | 15.437           | 15.671           | 16.075           | 0.20182          | 14.374            | 14.983            | 15.424            | 0.38336           | -1.21     | -0.6876   | -0.288    | 0.40976   |
| 50       | 15.302           | 15.593           | 15.804           | 0.13274          | 14.058            | 14.69             | 15.291            | 0.51756           | -1.39     | -0.9025   | -0.385    | 0.45319   |
| 100      | 15.413           | 15.698           | 15.967           | 0.17956          | 13.648            | 14.412            | 15.301            | 0.64958           | -1.989    | -1.2868   | -0.631    | 0.65417   |



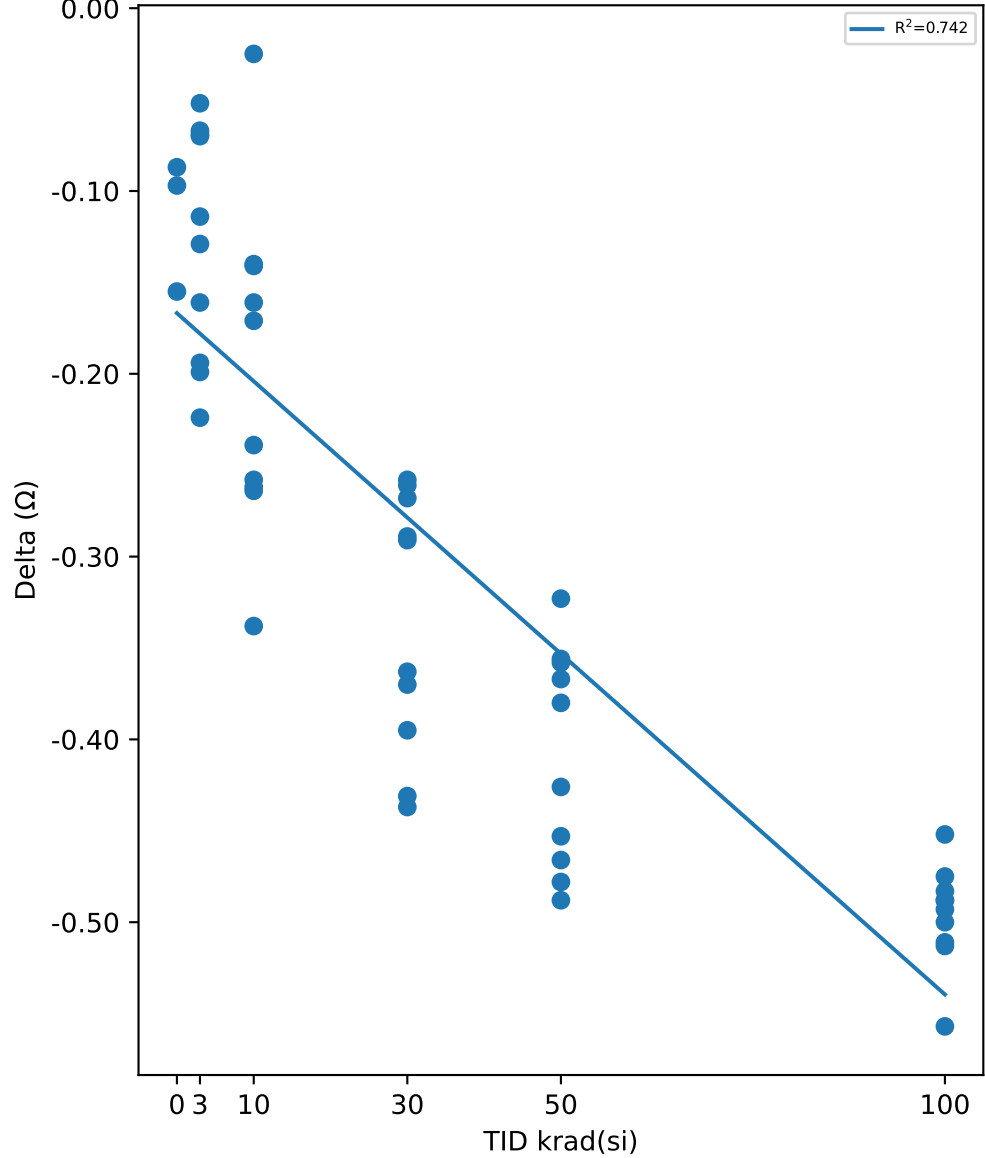
TID vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 19.668     | 19.513      | -0.155 |
| 301      | 0        | Correlation         | 19.615     | 19.528      | -0.087 |
| 302      | 0        | Correlation         | 19.962     | 19.865      | -0.097 |
| 303      | 3        | Bias                | 19.736     | 19.537      | -0.199 |
| 304      | 3        | Bias                | 20.084     | 19.86       | -0.224 |
| 305      | 3        | Bias                | 19.801     | 19.607      | -0.194 |
| 306      | 3        | Bias                | 19.813     | 19.652      | -0.161 |
| 307      | 3        | Bias                | 19.737     | 19.608      | -0.129 |
| 308      | 3        | Unbiased            | 19.746     | 19.632      | -0.114 |
| 309      | 3        | Unbiased            | 19.862     | 19.795      | -0.067 |
| 310      | 3        | Unbiased            | 19.678     | 19.626      | -0.052 |
| 311      | 3        | Unbiased            | 19.563     | 19.494      | -0.069 |
| 312      | 3        | Unbiased            | 19.584     | 19.514      | -0.07  |
| 313      | 10       | Bias                | 19.864     | 19.625      | -0.239 |
| 314      | 10       | Bias                | 19.951     | 19.693      | -0.258 |
| 315      | 10       | Bias                | 19.815     | 19.553      | -0.262 |
| 316      | 10       | Bias                | 19.866     | 19.705      | -0.161 |
| 317      | 10       | Bias                | 19.838     | 19.574      | -0.264 |
| 318      | 10       | Unbiased            | 19.775     | 19.635      | -0.14  |
| 319      | 10       | Unbiased            | 19.687     | 19.546      | -0.141 |
| 320      | 10       | Unbiased            | 20.011     | 19.673      | -0.338 |
| 321      | 10       | Unbiased            | 19.859     | 19.834      | -0.025 |
| 322      | 10       | Unbiased            | 20.068     | 19.897      | -0.171 |
| 323      | 30       | Bias                | 19.75      | 19.38       | -0.37  |
| 324      | 30       | Bias                | 19.717     | 19.354      | -0.363 |
| 325      | 30       | Bias                | 19.966     | 19.535      | -0.431 |
| 326      | 30       | Bias                | 19.708     | 19.271      | -0.437 |
| 327      | 30       | Bias                | 19.866     | 19.471      | -0.395 |
| 328      | 30       | Unbiased            | 19.62      | 19.359      | -0.261 |
| 329      | 30       | Unbiased            | 19.867     | 19.609      | -0.258 |
| 330      | 30       | Unbiased            | 19.729     | 19.44       | -0.289 |
| 331      | 30       | Unbiased            | 19.804     | 19.513      | -0.291 |
| 332      | 30       | Unbiased            | 19.748     | 19.48       | -0.268 |
| 333      | 50       | Bias                | 19.742     | 19.316      | -0.426 |
| 334      | 50       | Bias                | 19.912     | 19.459      | -0.453 |
| 335      | 50       | Bias                | 19.734     | 19.268      | -0.466 |
| 336      | 50       | Bias                | 19.839     | 19.361      | -0.478 |
| 337      | 50       | Bias                | 20.083     | 19.595      | -0.488 |
| 338      | 50       | Unbiased            | 19.736     | 19.38       | -0.356 |
| 339      | 50       | Unbiased            | 19.569     | 19.246      | -0.323 |
| 340      | 50       | Unbiased            | 19.83      | 19.463      | -0.367 |
| 341      | 50       | Unbiased            | 19.91      | 19.552      | -0.358 |
| 342      | 50       | Unbiased            | 20.053     | 19.673      | -0.38  |
| 343      | 100      | Bias                | 19.699     | 19.216      | -0.483 |
| 344      | 100      | Bias                | 19.811     | 19.3        | -0.511 |
| 345      | 100      | Bias                | 19.757     | 19.244      | -0.513 |
| 346      | 100      | Bias                | 19.932     | 19.432      | -0.5   |
| 347      | 100      | Bias                | 19.842     | 19.354      | -0.488 |
| 348      | 100      | Unbiased            | 19.972     | 19.479      | -0.493 |
| 349      | 100      | Unbiased            | 19.815     | 19.363      | -0.452 |
| 350      | 100      | Unbiased            | 19.602     | 19.045      | -0.557 |
| 351      | 100      | Unbiased            | 19.81      | 19.322      | -0.488 |
| 352      | 100      | Unbiased            | 19.603     | 19.128      | -0.475 |

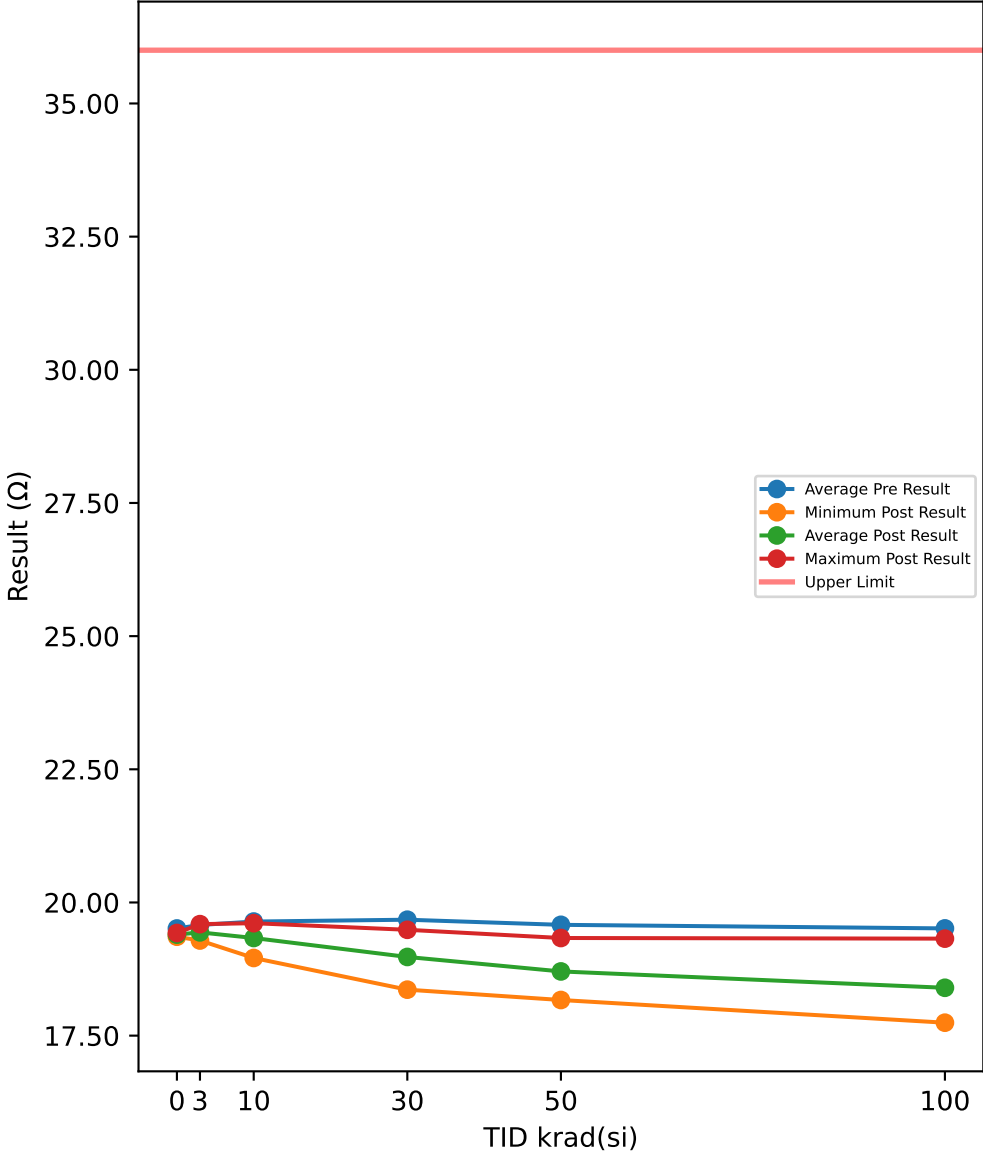
TID vs Post - Pre Exposure Delta



Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 19.615           | 19.748           | 19.962           | 0.18693          | 19.513            | 19.635            | 19.865            | 0.19904           | -0.155    | -0.113    | -0.087    | 0.036715  |
| 3        | 19.563           | 19.76            | 20.084           | 0.1482           | 19.494            | 19.633            | 19.86             | 0.11651           | -0.224    | -0.1279   | -0.052    | 0.063457  |
| 10       | 19.687           | 19.873           | 20.068           | 0.11169          | 19.546            | 19.674            | 19.897            | 0.11624           | -0.338    | -0.1999   | -0.025    | 0.089404  |
| 30       | 19.62            | 19.777           | 19.966           | 0.09964          | 19.271            | 19.441            | 19.609            | 0.10087           | -0.437    | -0.3363   | -0.258    | 0.070835  |
| 50       | 19.569           | 19.841           | 20.083           | 0.15624          | 19.246            | 19.431            | 19.673            | 0.14276           | -0.488    | -0.4095   | -0.323    | 0.059521  |
| 100      | 19.602           | 19.784           | 19.972           | 0.1233           | 19.045            | 19.288            | 19.479            | 0.13344           | -0.557    | -0.496    | -0.452    | 0.027757  |

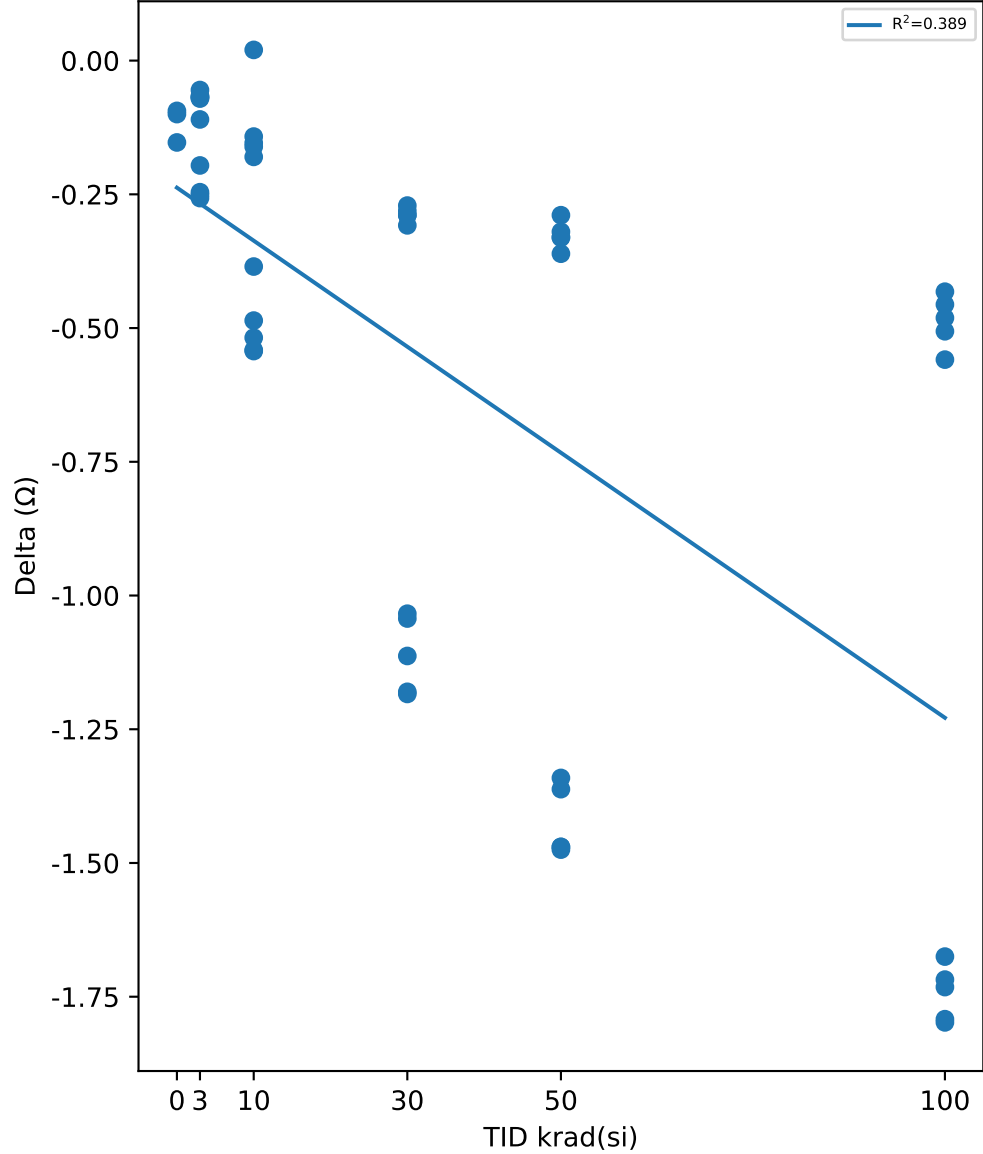
TID vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 19.557     | 19.404      | -0.153 |
| 301      | 0        | Correlation         | 19.451     | 19.357      | -0.094 |
| 302      | 0        | Correlation         | 19.527     | 19.427      | -0.1   |
| 303      | 3        | Bias                | 19.617     | 19.371      | -0.246 |
| 304      | 3        | Bias                | 19.634     | 19.383      | -0.251 |
| 305      | 3        | Bias                | 19.761     | 19.504      | -0.257 |
| 306      | 3        | Bias                | 19.619     | 19.423      | -0.196 |
| 307      | 3        | Bias                | 19.607     | 19.497      | -0.11  |
| 308      | 3        | Unbiased            | 19.661     | 19.593      | -0.068 |
| 309      | 3        | Unbiased            | 19.414     | 19.348      | -0.066 |
| 310      | 3        | Unbiased            | 19.647     | 19.592      | -0.055 |
| 311      | 3        | Unbiased            | 19.461     | 19.39       | -0.071 |
| 312      | 3        | Unbiased            | 19.355     | 19.286      | -0.069 |
| 313      | 10       | Bias                | 19.739     | 19.253      | -0.486 |
| 314      | 10       | Bias                | 19.476     | 18.958      | -0.518 |
| 315      | 10       | Bias                | 19.745     | 19.204      | -0.541 |
| 316      | 10       | Bias                | 19.611     | 19.457      | -0.154 |
| 317      | 10       | Bias                | 19.808     | 19.265      | -0.543 |
| 318      | 10       | Unbiased            | 19.374     | 19.232      | -0.142 |
| 319      | 10       | Unbiased            | 19.688     | 19.527      | -0.161 |
| 320      | 10       | Unbiased            | 19.591     | 19.611      | 0.02   |
| 321      | 10       | Unbiased            | 19.805     | 19.42       | -0.385 |
| 322      | 10       | Unbiased            | 19.582     | 19.402      | -0.18  |
| 323      | 30       | Bias                | 19.725     | 18.682      | -1.043 |
| 324      | 30       | Bias                | 19.701     | 18.667      | -1.034 |
| 325      | 30       | Bias                | 19.547     | 18.363      | -1.184 |
| 326      | 30       | Bias                | 19.596     | 18.416      | -1.18  |
| 327      | 30       | Bias                | 19.859     | 18.746      | -1.113 |
| 328      | 30       | Unbiased            | 19.603     | 19.322      | -0.281 |
| 329      | 30       | Unbiased            | 19.751     | 19.48       | -0.271 |
| 330      | 30       | Unbiased            | 19.555     | 19.266      | -0.289 |
| 331      | 30       | Unbiased            | 19.65      | 19.342      | -0.308 |
| 332      | 30       | Unbiased            | 19.776     | 19.487      | -0.289 |
| 333      | 50       | Bias                | 19.698     | 18.336      | -1.362 |
| 334      | 50       | Bias                | 19.51      | 18.169      | -1.341 |
| 335      | 50       | Bias                | 19.647     | 18.172      | -1.475 |
| 336      | 50       | Bias                | 19.677     | 18.207      | -1.47  |
| 337      | 50       | Bias                | 19.737     | 18.267      | -1.47  |
| 338      | 50       | Unbiased            | 19.583     | 19.222      | -0.361 |
| 339      | 50       | Unbiased            | 19.351     | 19.062      | -0.289 |
| 340      | 50       | Unbiased            | 19.487     | 19.156      | -0.331 |
| 341      | 50       | Unbiased            | 19.653     | 19.333      | -0.32  |
| 342      | 50       | Unbiased            | 19.459     | 19.129      | -0.33  |
| 343      | 100      | Bias                | 19.418     | 17.743      | -1.675 |
| 344      | 100      | Bias                | 19.564     | 17.846      | -1.718 |
| 345      | 100      | Bias                | 19.56      | 17.768      | -1.792 |
| 346      | 100      | Bias                | 19.636     | 17.838      | -1.798 |
| 347      | 100      | Bias                | 19.627     | 17.895      | -1.732 |
| 348      | 100      | Unbiased            | 19.398     | 18.942      | -0.456 |
| 349      | 100      | Unbiased            | 19.753     | 19.321      | -0.432 |
| 350      | 100      | Unbiased            | 19.442     | 18.883      | -0.559 |
| 351      | 100      | Unbiased            | 19.338     | 18.832      | -0.506 |
| 352      | 100      | Unbiased            | 19.397     | 18.916      | -0.481 |

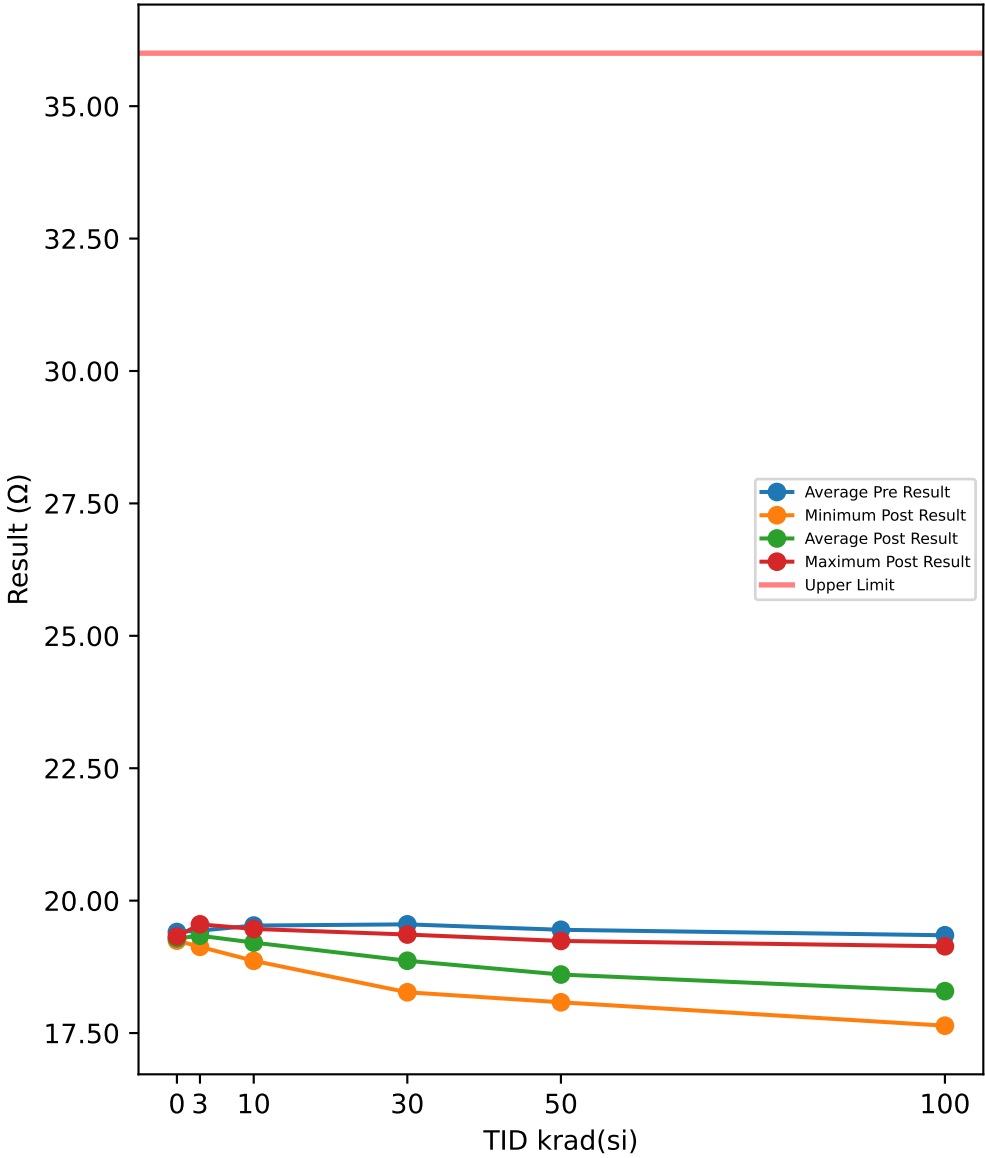
TID vs Post - Pre Exposure Delta



Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 19.451           | 19.512           | 19.557           | 0.054638         | 19.357            | 19.396            | 19.427            | 0.035679          | -0.153    | -0.11567  | -0.094    | 0.03247   |
| 3        | 19.355           | 19.578           | 19.761           | 0.12589          | 19.286            | 19.439            | 19.593            | 0.10372           | -0.257    | -0.1389   | -0.055    | 0.087532  |
| 10       | 19.374           | 19.642           | 19.808           | 0.14252          | 18.958            | 19.333            | 19.611            | 0.18889           | -0.543    | -0.309    | 0.02      | 0.20765   |
| 30       | 19.547           | 19.676           | 19.859           | 0.10319          | 18.363            | 18.977            | 19.487            | 0.44436           | -1.184    | -0.6992   | -0.271    | 0.43659   |
| 50       | 19.351           | 19.58            | 19.737           | 0.12402          | 18.169            | 18.705            | 19.333            | 0.50768           | -1.475    | -0.8749   | -0.289    | 0.58032   |
| 100      | 19.338           | 19.513           | 19.753           | 0.13413          | 17.743            | 18.398            | 19.321            | 0.6269            | -1.798    | -1.1149   | -0.432    | 0.66378   |

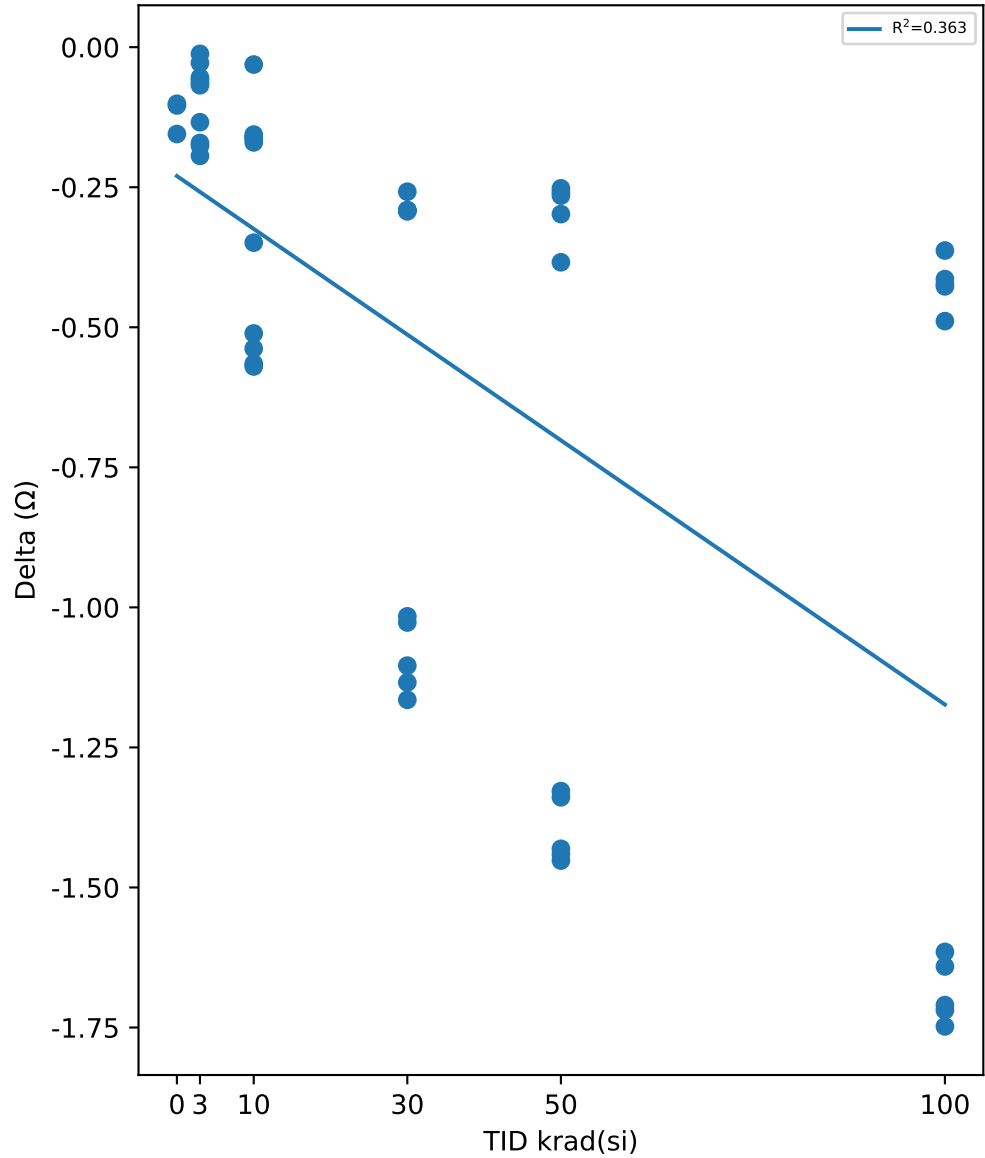
TID vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 19.479     | 19.324      | -0.155 |
| 301      | 0        | Correlation         | 19.349     | 19.245      | -0.104 |
| 302      | 0        | Correlation         | 19.396     | 19.295      | -0.101 |
| 303      | 3        | Bias                | 19.419     | 19.243      | -0.176 |
| 304      | 3        | Bias                | 19.566     | 19.395      | -0.171 |
| 305      | 3        | Bias                | 19.495     | 19.301      | -0.194 |
| 306      | 3        | Bias                | 19.501     | 19.367      | -0.134 |
| 307      | 3        | Bias                | 19.405     | 19.377      | -0.028 |
| 308      | 3        | Unbiased            | 19.565     | 19.553      | -0.012 |
| 309      | 3        | Unbiased            | 19.347     | 19.283      | -0.064 |
| 310      | 3        | Unbiased            | 19.538     | 19.484      | -0.054 |
| 311      | 3        | Unbiased            | 19.315     | 19.247      | -0.068 |
| 312      | 3        | Unbiased            | 19.186     | 19.128      | -0.058 |
| 313      | 10       | Bias                | 19.657     | 19.146      | -0.511 |
| 314      | 10       | Bias                | 19.402     | 18.864      | -0.538 |
| 315      | 10       | Bias                | 19.606     | 19.036      | -0.57  |
| 316      | 10       | Bias                | 19.5       | 19.339      | -0.161 |
| 317      | 10       | Bias                | 19.702     | 19.137      | -0.565 |
| 318      | 10       | Unbiased            | 19.222     | 19.066      | -0.156 |
| 319      | 10       | Unbiased            | 19.535     | 19.373      | -0.162 |
| 320      | 10       | Unbiased            | 19.497     | 19.466      | -0.031 |
| 321      | 10       | Unbiased            | 19.668     | 19.319      | -0.349 |
| 322      | 10       | Unbiased            | 19.507     | 19.337      | -0.17  |
| 323      | 30       | Bias                | 19.631     | 18.604      | -1.027 |
| 324      | 30       | Bias                | 19.541     | 18.525      | -1.016 |
| 325      | 30       | Bias                | 19.49      | 18.325      | -1.165 |
| 326      | 30       | Bias                | 19.404     | 18.27       | -1.134 |
| 327      | 30       | Bias                | 19.755     | 18.651      | -1.104 |
| 328      | 30       | Unbiased            | 19.411     | 19.12       | -0.291 |
| 329      | 30       | Unbiased            | 19.618     | 19.36       | -0.258 |
| 330      | 30       | Unbiased            | 19.405     | 19.114      | -0.291 |
| 331      | 30       | Unbiased            | 19.632     | 19.34       | -0.292 |
| 332      | 30       | Unbiased            | 19.636     | 19.343      | -0.293 |
| 333      | 50       | Bias                | 19.542     | 18.214      | -1.328 |
| 334      | 50       | Bias                | 19.42      | 18.081      | -1.339 |
| 335      | 50       | Bias                | 19.555     | 18.124      | -1.431 |
| 336      | 50       | Bias                | 19.64      | 18.199      | -1.441 |
| 337      | 50       | Bias                | 19.632     | 18.18       | -1.452 |
| 338      | 50       | Unbiased            | 19.447     | 19.063      | -0.384 |
| 339      | 50       | Unbiased            | 19.189     | 18.93       | -0.259 |
| 340      | 50       | Unbiased            | 19.291     | 18.993      | -0.298 |
| 341      | 50       | Unbiased            | 19.491     | 19.239      | -0.252 |
| 342      | 50       | Unbiased            | 19.29      | 19.025      | -0.265 |
| 343      | 100      | Bias                | 19.254     | 17.639      | -1.615 |
| 344      | 100      | Bias                | 19.441     | 17.8        | -1.641 |
| 345      | 100      | Bias                | 19.375     | 17.656      | -1.719 |
| 346      | 100      | Bias                | 19.6       | 17.852      | -1.748 |
| 347      | 100      | Bias                | 19.525     | 17.815      | -1.71  |
| 348      | 100      | Unbiased            | 19.223     | 18.809      | -0.414 |
| 349      | 100      | Unbiased            | 19.501     | 19.138      | -0.363 |
| 350      | 100      | Unbiased            | 19.217     | 18.728      | -0.489 |
| 351      | 100      | Unbiased            | 19.238     | 18.811      | -0.427 |
| 352      | 100      | Unbiased            | 19.087     | 18.664      | -0.423 |

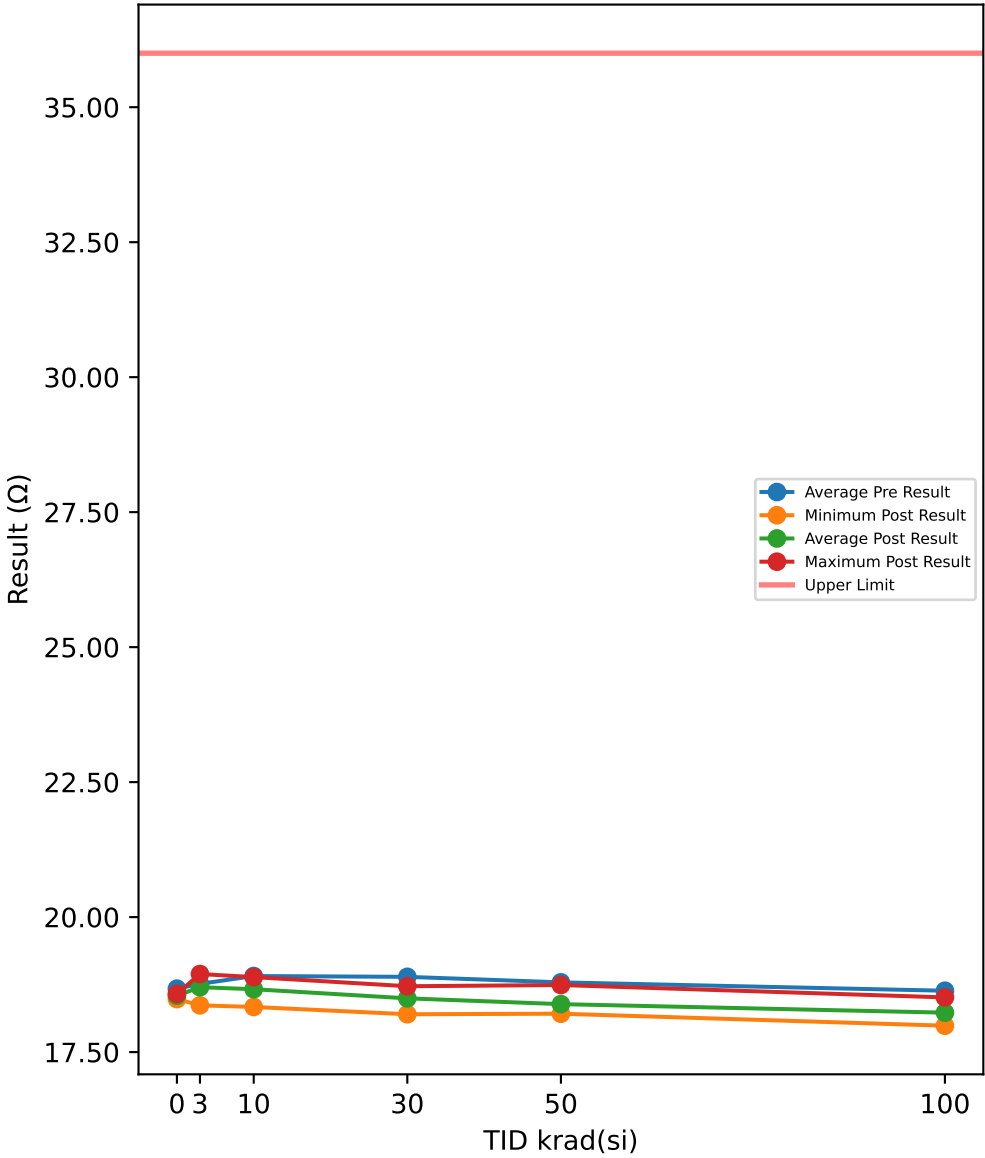
TID vs Post - Pre Exposure Delta



Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 19.349           | 19.408           | 19.479           | 0.065826         | 19.245            | 19.288            | 19.324            | 0.039962          | -0.155    | -0.12     | -0.101    | 0.030348  |
| 3        | 19.186           | 19.434           | 19.566           | 0.12379          | 19.128            | 19.338            | 19.553            | 0.12425           | -0.194    | -0.0959   | -0.012    | 0.066474  |
| 10       | 19.222           | 19.53            | 19.702           | 0.14311          | 18.864            | 19.208            | 19.466            | 0.18764           | -0.57     | -0.3213   | -0.031    | 0.2083    |
| 30       | 19.404           | 19.552           | 19.755           | 0.12139          | 18.27             | 18.865            | 19.36             | 0.43478           | -1.165    | -0.6871   | -0.258    | 0.42622   |
| 50       | 19.189           | 19.45            | 19.64            | 0.15286          | 18.081            | 18.605            | 19.239            | 0.47709           | -1.452    | -0.8449   | -0.252    | 0.58572   |
| 100      | 19.087           | 19.346           | 19.6             | 0.16648          | 17.639            | 18.291            | 19.138            | 0.58452           | -1.748    | -1.0549   | -0.363    | 0.66759   |

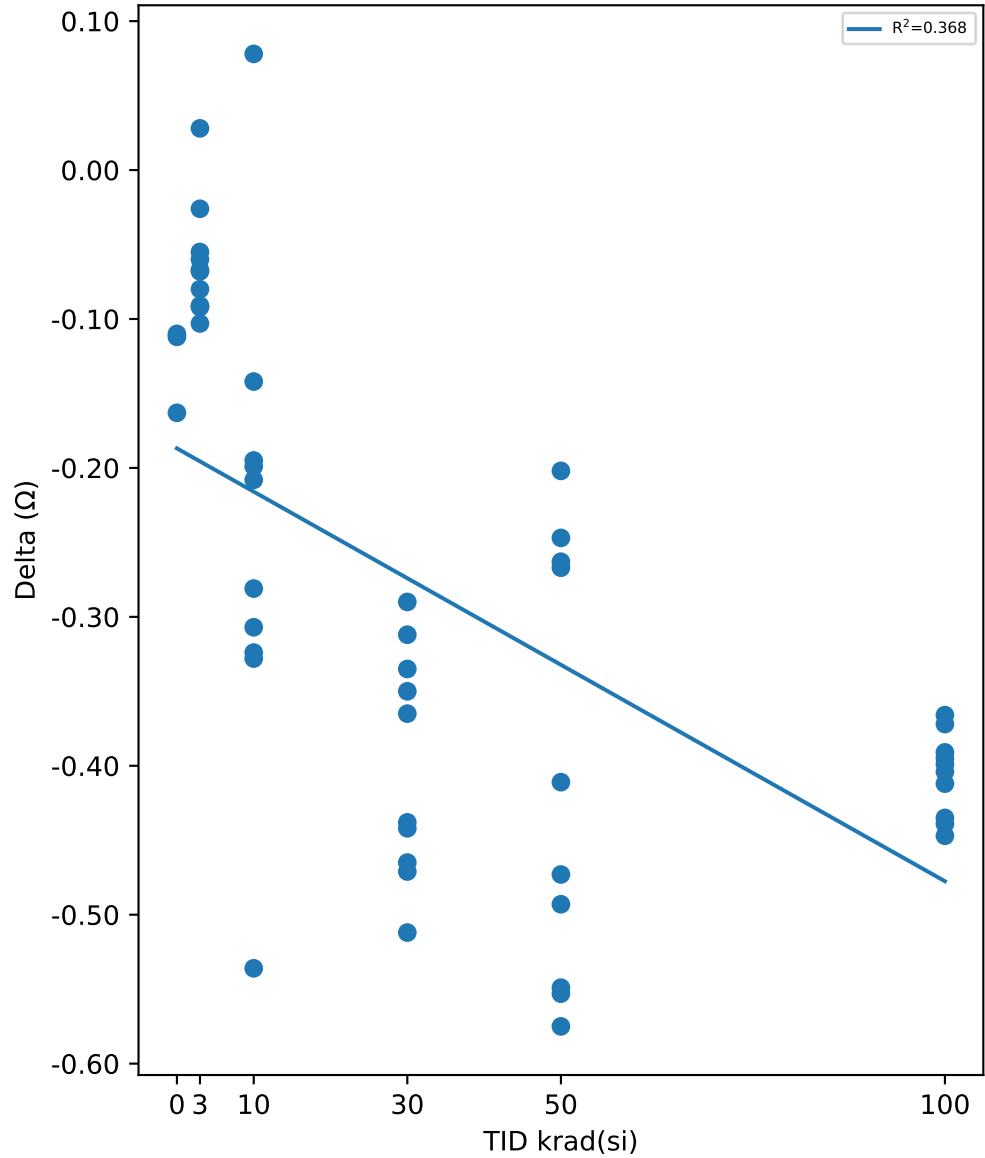
TID vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 18.742     | 18.579      | -0.163 |
| 301      | 0        | Correlation         | 18.594     | 18.482      | -0.112 |
| 302      | 0        | Correlation         | 18.688     | 18.578      | -0.11  |
| 303      | 3        | Bias                | 18.717     | 18.614      | -0.103 |
| 304      | 3        | Bias                | 19.014     | 18.946      | -0.068 |
| 305      | 3        | Bias                | 18.912     | 18.82       | -0.092 |
| 306      | 3        | Bias                | 18.791     | 18.736      | -0.055 |
| 307      | 3        | Bias                | 18.77      | 18.744      | -0.026 |
| 308      | 3        | Unbiased            | 18.859     | 18.887      | 0.028  |
| 309      | 3        | Unbiased            | 18.651     | 18.56       | -0.091 |
| 310      | 3        | Unbiased            | 18.928     | 18.848      | -0.08  |
| 311      | 3        | Unbiased            | 18.56      | 18.5        | -0.06  |
| 312      | 3        | Unbiased            | 18.433     | 18.366      | -0.067 |
| 313      | 10       | Bias                | 19.043     | 18.736      | -0.307 |
| 314      | 10       | Bias                | 18.72      | 18.439      | -0.281 |
| 315      | 10       | Bias                | 19.057     | 18.729      | -0.328 |
| 316      | 10       | Bias                | 18.804     | 18.609      | -0.195 |
| 317      | 10       | Bias                | 19.159     | 18.835      | -0.324 |
| 318      | 10       | Unbiased            | 18.478     | 18.336      | -0.142 |
| 319      | 10       | Unbiased            | 18.923     | 18.724      | -0.199 |
| 320      | 10       | Unbiased            | 18.811     | 18.889      | 0.078  |
| 321      | 10       | Unbiased            | 19.132     | 18.596      | -0.536 |
| 322      | 10       | Unbiased            | 18.961     | 18.753      | -0.208 |
| 323      | 30       | Bias                | 19.03      | 18.559      | -0.471 |
| 324      | 30       | Bias                | 18.894     | 18.452      | -0.442 |
| 325      | 30       | Bias                | 18.796     | 18.331      | -0.465 |
| 326      | 30       | Bias                | 18.639     | 18.201      | -0.438 |
| 327      | 30       | Bias                | 19.213     | 18.701      | -0.512 |
| 328      | 30       | Unbiased            | 18.676     | 18.386      | -0.29  |
| 329      | 30       | Unbiased            | 19.055     | 18.72       | -0.335 |
| 330      | 30       | Unbiased            | 18.667     | 18.355      | -0.312 |
| 331      | 30       | Unbiased            | 18.976     | 18.611      | -0.365 |
| 332      | 30       | Unbiased            | 18.991     | 18.641      | -0.35  |
| 333      | 50       | Bias                | 18.86      | 18.367      | -0.493 |
| 334      | 50       | Bias                | 18.738     | 18.265      | -0.473 |
| 335      | 50       | Bias                | 18.967     | 18.418      | -0.549 |
| 336      | 50       | Bias                | 19.005     | 18.452      | -0.553 |
| 337      | 50       | Bias                | 18.987     | 18.412      | -0.575 |
| 338      | 50       | Unbiased            | 18.754     | 18.343      | -0.411 |
| 339      | 50       | Unbiased            | 18.413     | 18.211      | -0.202 |
| 340      | 50       | Unbiased            | 18.64      | 18.377      | -0.263 |
| 341      | 50       | Unbiased            | 19.009     | 18.742      | -0.267 |
| 342      | 50       | Unbiased            | 18.543     | 18.296      | -0.247 |
| 343      | 100      | Bias                | 18.475     | 18.071      | -0.404 |
| 344      | 100      | Bias                | 18.781     | 18.342      | -0.439 |
| 345      | 100      | Bias                | 18.778     | 18.343      | -0.435 |
| 346      | 100      | Bias                | 18.819     | 18.407      | -0.412 |
| 347      | 100      | Bias                | 18.702     | 18.311      | -0.391 |
| 348      | 100      | Unbiased            | 18.53      | 18.158      | -0.372 |
| 349      | 100      | Unbiased            | 18.912     | 18.513      | -0.399 |
| 350      | 100      | Unbiased            | 18.485     | 18.038      | -0.447 |
| 351      | 100      | Unbiased            | 18.528     | 18.133      | -0.395 |
| 352      | 100      | Unbiased            | 18.355     | 17.989      | -0.366 |

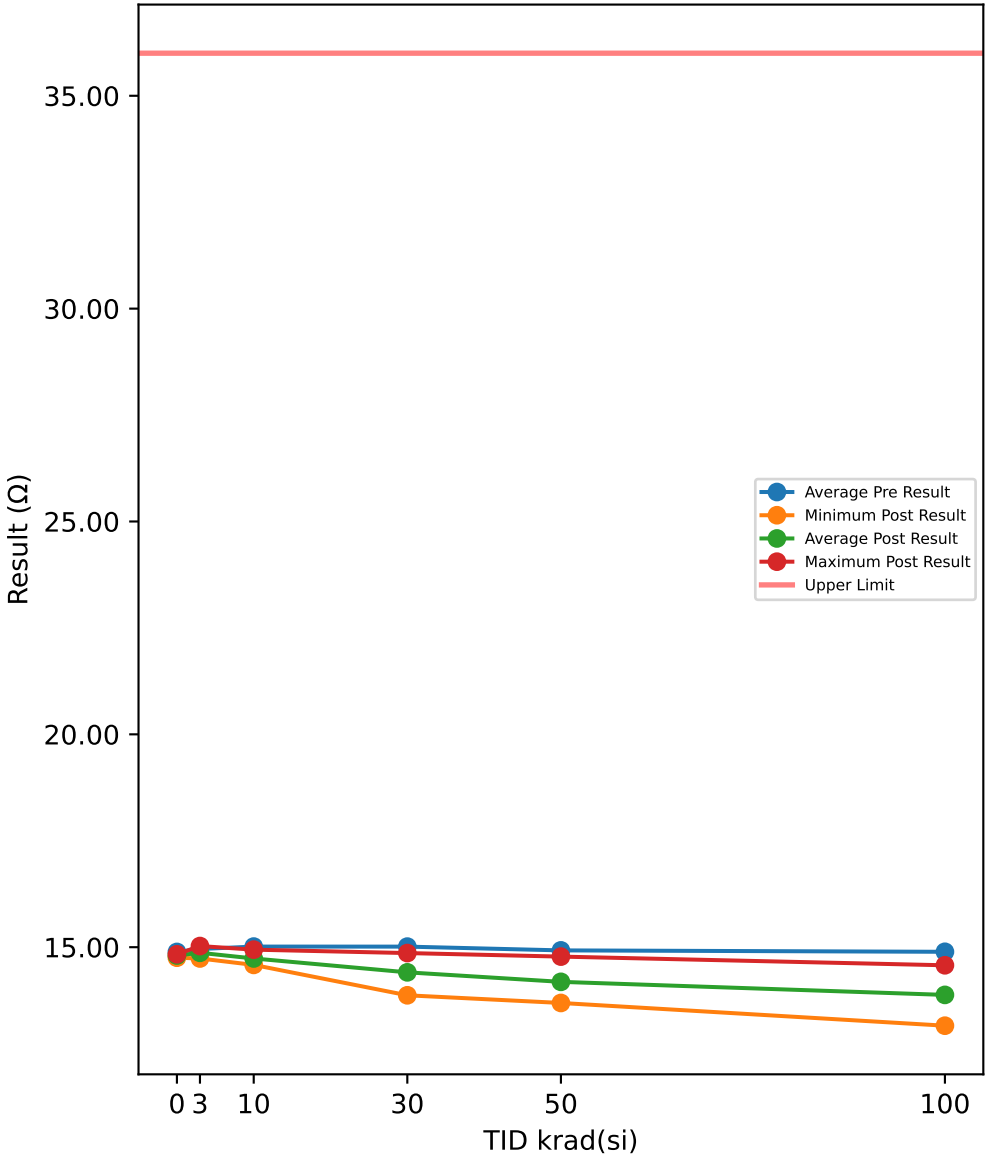
TID vs Post - Pre Exposure Delta



Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 18.594           | 18.675           | 18.742           | 0.074895         | 18.482            | 18.546            | 18.579            | 0.055717          | -0.163    | -0.12833  | -0.11     | 0.030039  |
| 3        | 18.433           | 18.764           | 19.014           | 0.17865          | 18.366            | 18.702            | 18.946            | 0.18665           | -0.103    | -0.0614   | 0.028     | 0.038373  |
| 10       | 18.478           | 18.909           | 19.159           | 0.21005          | 18.336            | 18.665            | 18.889            | 0.17213           | -0.536    | -0.2442   | 0.078     | 0.15772   |
| 30       | 18.639           | 18.894           | 19.213           | 0.19322          | 18.201            | 18.496            | 18.72             | 0.17594           | -0.512    | -0.398    | -0.29     | 0.076574  |
| 50       | 18.413           | 18.792           | 19.009           | 0.21051          | 18.211            | 18.388            | 18.742            | 0.14468           | -0.575    | -0.4033   | -0.202    | 0.14503   |
| 100      | 18.355           | 18.637           | 18.912           | 0.18433          | 17.989            | 18.23             | 18.513            | 0.17579           | -0.447    | -0.406    | -0.366    | 0.027491  |

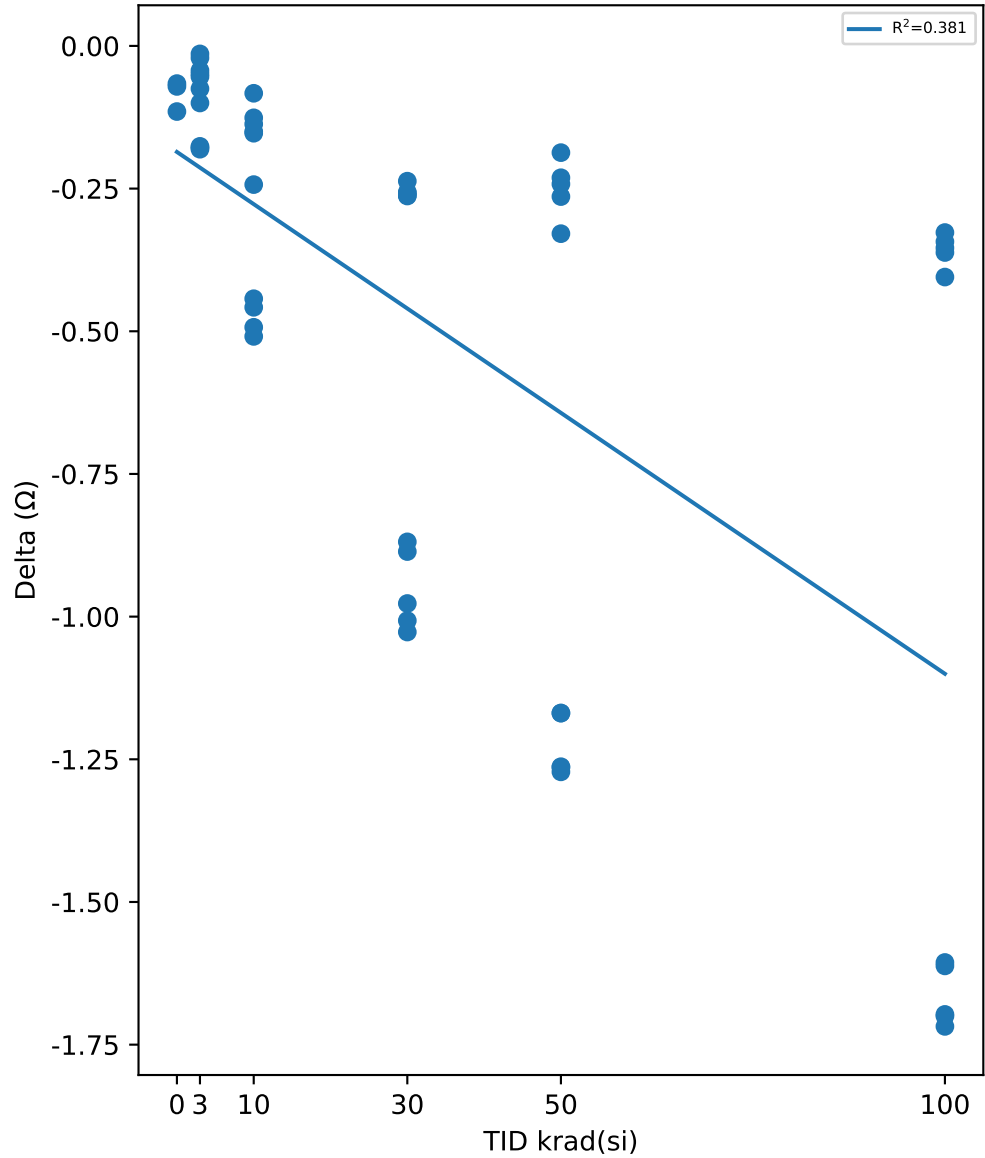
TID vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 14.942     | 14.827      | -0.115 |
| 301      | 0        | Correlation         | 14.819     | 14.753      | -0.066 |
| 302      | 0        | Correlation         | 14.904     | 14.833      | -0.071 |
| 303      | 3        | Bias                | 15.062     | 14.884      | -0.178 |
| 304      | 3        | Bias                | 15.095     | 14.914      | -0.181 |
| 305      | 3        | Bias                | 14.986     | 14.81       | -0.176 |
| 306      | 3        | Bias                | 14.835     | 14.735      | -0.1   |
| 307      | 3        | Bias                | 14.981     | 14.967      | -0.014 |
| 308      | 3        | Unbiased            | 15.048     | 15.027      | -0.021 |
| 309      | 3        | Unbiased            | 14.931     | 14.856      | -0.075 |
| 310      | 3        | Unbiased            | 15.023     | 14.98       | -0.043 |
| 311      | 3        | Unbiased            | 14.819     | 14.77       | -0.049 |
| 312      | 3        | Unbiased            | 14.793     | 14.739      | -0.054 |
| 313      | 10       | Bias                | 15.027     | 14.584      | -0.443 |
| 314      | 10       | Bias                | 15.089     | 14.631      | -0.458 |
| 315      | 10       | Bias                | 15.124     | 14.615      | -0.509 |
| 316      | 10       | Bias                | 14.91      | 14.757      | -0.153 |
| 317      | 10       | Bias                | 15.078     | 14.585      | -0.493 |
| 318      | 10       | Unbiased            | 14.893     | 14.767      | -0.126 |
| 319      | 10       | Unbiased            | 15.079     | 14.942      | -0.137 |
| 320      | 10       | Unbiased            | 14.895     | 14.812      | -0.083 |
| 321      | 10       | Unbiased            | 14.994     | 14.751      | -0.243 |
| 322      | 10       | Unbiased            | 15.056     | 14.906      | -0.15  |
| 323      | 30       | Bias                | 15.201     | 14.315      | -0.886 |
| 324      | 30       | Bias                | 14.955     | 14.086      | -0.869 |
| 325      | 30       | Bias                | 15.052     | 14.045      | -1.007 |
| 326      | 30       | Bias                | 14.847     | 13.87       | -0.977 |
| 327      | 30       | Bias                | 15.257     | 14.23       | -1.027 |
| 328      | 30       | Unbiased            | 14.891     | 14.654      | -0.237 |
| 329      | 30       | Unbiased            | 15.012     | 14.756      | -0.256 |
| 330      | 30       | Unbiased            | 14.894     | 14.632      | -0.262 |
| 331      | 30       | Unbiased            | 14.906     | 14.643      | -0.263 |
| 332      | 30       | Unbiased            | 15.12      | 14.862      | -0.258 |
| 333      | 50       | Bias                | 14.859     | 13.69       | -1.169 |
| 334      | 50       | Bias                | 14.938     | 13.769      | -1.169 |
| 335      | 50       | Bias                | 15.011     | 13.747      | -1.264 |
| 336      | 50       | Bias                | 14.968     | 13.705      | -1.263 |
| 337      | 50       | Bias                | 15.018     | 13.746      | -1.272 |
| 338      | 50       | Unbiased            | 14.896     | 14.567      | -0.329 |
| 339      | 50       | Unbiased            | 14.71      | 14.523      | -0.187 |
| 340      | 50       | Unbiased            | 14.95      | 14.686      | -0.264 |
| 341      | 50       | Unbiased            | 15.021     | 14.779      | -0.242 |
| 342      | 50       | Unbiased            | 14.879     | 14.648      | -0.231 |
| 343      | 100      | Bias                | 14.768     | 13.156      | -1.612 |
| 344      | 100      | Bias                | 14.903     | 13.297      | -1.606 |
| 345      | 100      | Bias                | 15.013     | 13.295      | -1.718 |
| 346      | 100      | Bias                | 15.09      | 13.39       | -1.7   |
| 347      | 100      | Bias                | 15.017     | 13.32       | -1.697 |
| 348      | 100      | Unbiased            | 14.788     | 14.461      | -0.327 |
| 349      | 100      | Unbiased            | 14.918     | 14.575      | -0.343 |
| 350      | 100      | Unbiased            | 14.844     | 14.439      | -0.405 |
| 351      | 100      | Unbiased            | 14.838     | 14.476      | -0.362 |
| 352      | 100      | Unbiased            | 14.739     | 14.385      | -0.354 |

TID vs Post - Pre Exposure Delta

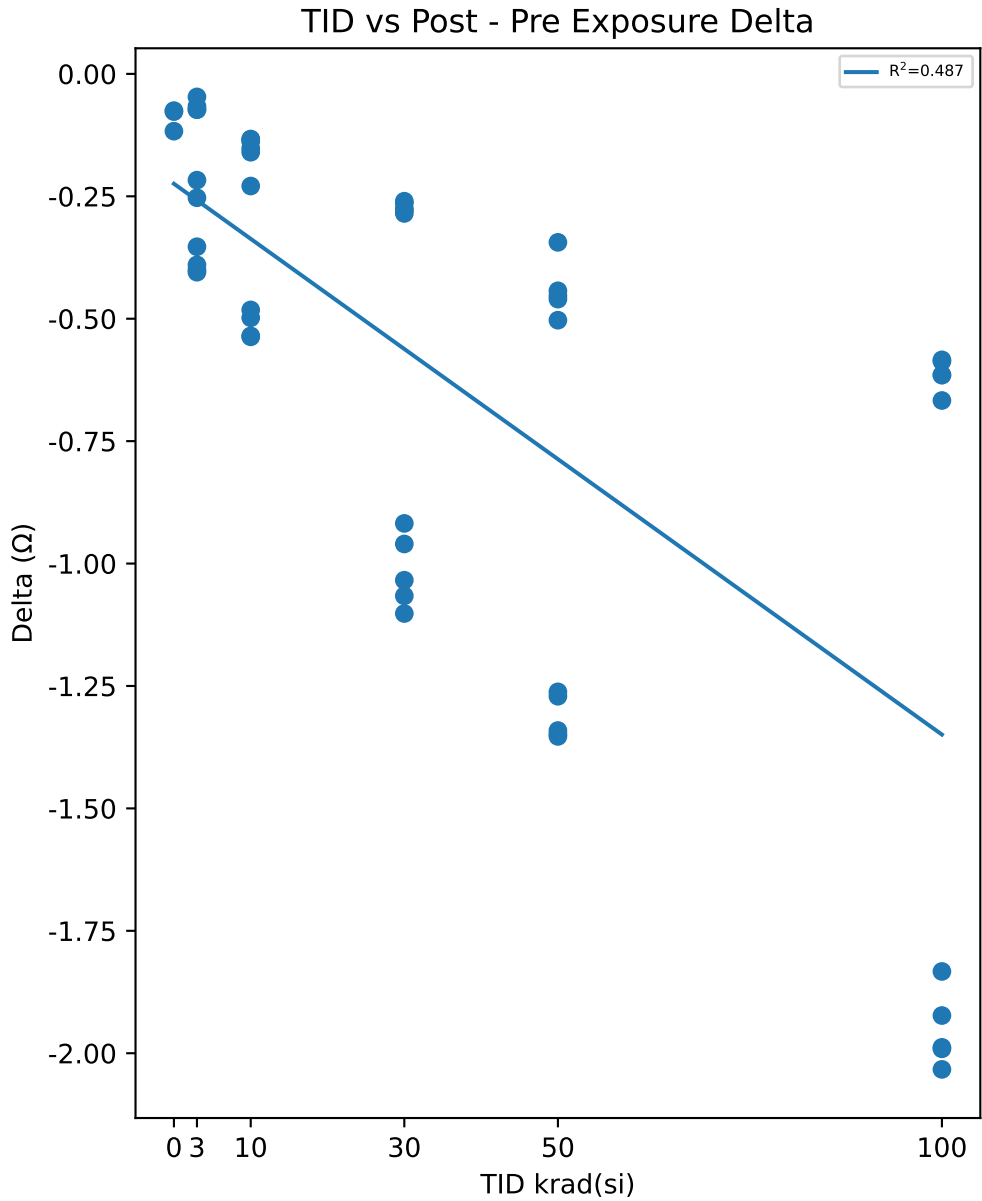
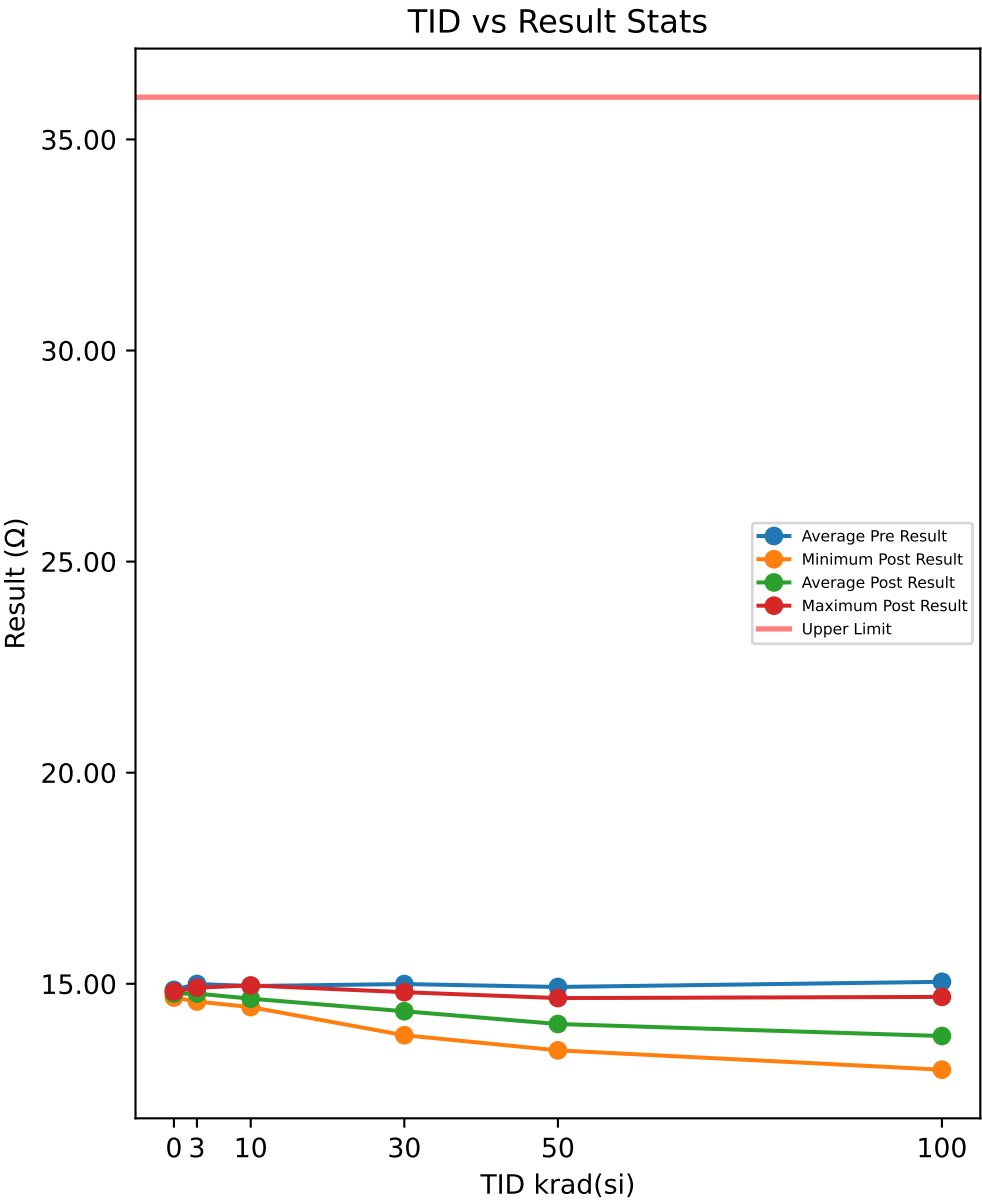


Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 14.819           | 14.888           | 14.942           | 0.062979         | 14.753            | 14.804            | 14.833            | 0.044557          | -0.115    | -0.084    | -0.066    | 0.026963  |
| 3        | 14.793           | 14.957           | 15.095           | 0.10833          | 14.735            | 14.868            | 15.027            | 0.10405           | -0.181    | -0.0891   | -0.014    | 0.066216  |
| 10       | 14.893           | 15.015           | 15.124           | 0.086919         | 14.584            | 14.735            | 14.942            | 0.12923           | -0.509    | -0.2795   | -0.083    | 0.1743    |
| 30       | 14.847           | 15.013           | 15.257           | 0.14113          | 13.87             | 14.409            | 14.862            | 0.34292           | -1.027    | -0.6042   | -0.237    | 0.37103   |
| 50       | 14.71            | 14.925           | 15.021           | 0.095127         | 13.69             | 14.186            | 14.779            | 0.48436           | -1.272    | -0.739    | -0.187    | 0.51721   |
| 100      | 14.739           | 14.892           | 15.09            | 0.11789          | 13.156            | 13.879            | 14.575            | 0.6239            | -1.718    | -1.0124   | -0.327    | 0.69078   |



Device Test: 18.47 ; WDO\_RNMOS

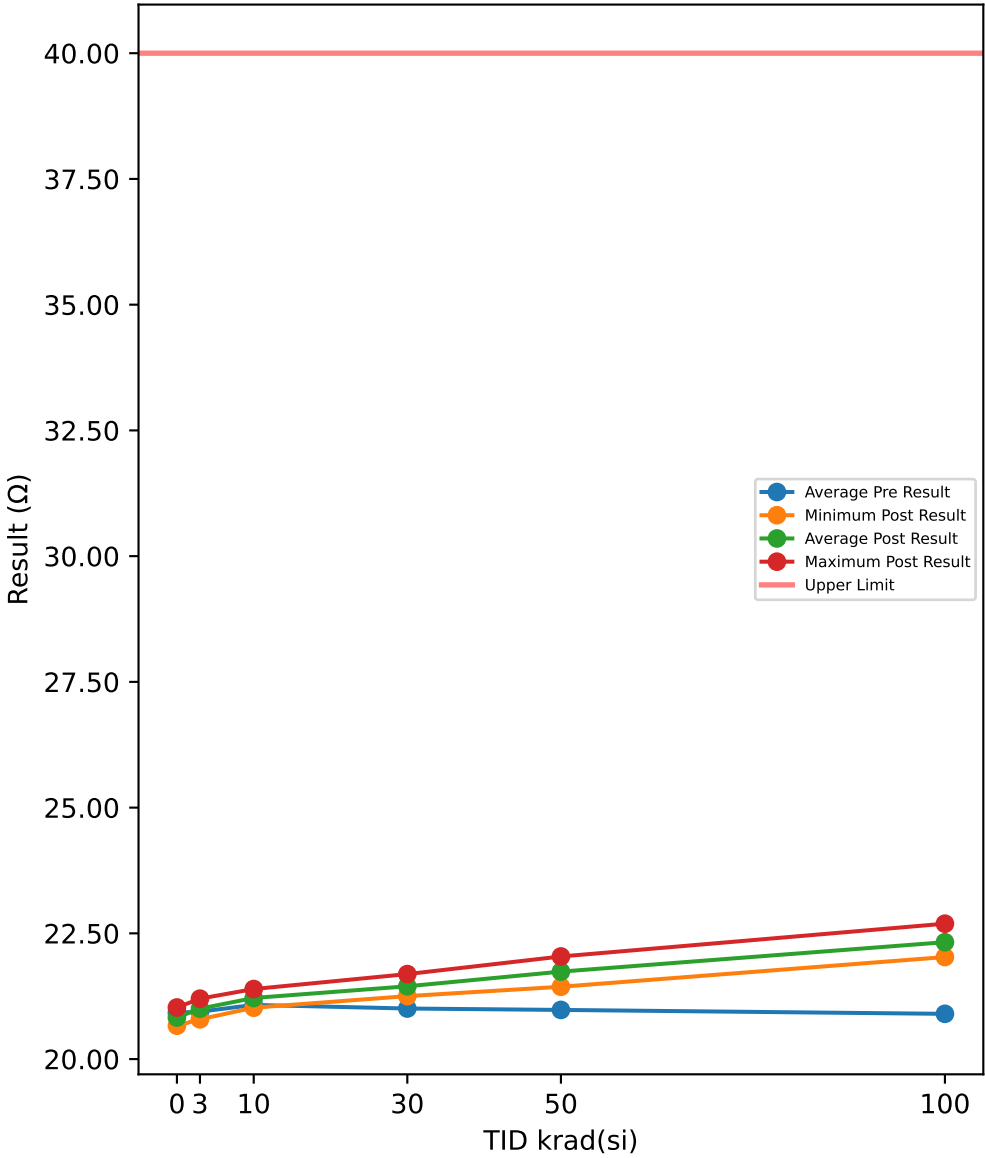


| Test Results (Upper Limit = 36.0 (Ω)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 14.926     | 14.809      | -0.117 |
| 301                                   | 0        | Correlation         | 14.749     | 14.674      | -0.075 |
| 302                                   | 0        | Correlation         | 14.892     | 14.815      | -0.077 |
| 303                                   | 3        | Bias                | 15.175     | 14.775      | -0.4   |
| 304                                   | 3        | Bias                | 15.163     | 14.773      | -0.39  |
| 305                                   | 3        | Bias                | 15.178     | 14.773      | -0.405 |
| 306                                   | 3        | Bias                | 15.083     | 14.73       | -0.353 |
| 307                                   | 3        | Bias                | 15.114     | 14.861      | -0.253 |
| 308                                   | 3        | Unbiased            | 15.125     | 14.908      | -0.217 |
| 309                                   | 3        | Unbiased            | 14.836     | 14.77       | -0.066 |
| 310                                   | 3        | Unbiased            | 14.886     | 14.839      | -0.047 |
| 311                                   | 3        | Unbiased            | 14.745     | 14.672      | -0.073 |
| 312                                   | 3        | Unbiased            | 14.653     | 14.58       | -0.073 |
| 313                                   | 10       | Bias                | 15.016     | 14.534      | -0.482 |
| 314                                   | 10       | Bias                | 14.946     | 14.448      | -0.498 |
| 315                                   | 10       | Bias                | 15.029     | 14.494      | -0.535 |
| 316                                   | 10       | Bias                | 14.85      | 14.69       | -0.16  |
| 317                                   | 10       | Bias                | 15.022     | 14.485      | -0.537 |
| 318                                   | 10       | Unbiased            | 14.69      | 14.557      | -0.133 |
| 319                                   | 10       | Unbiased            | 15.098     | 14.96       | -0.138 |
| 320                                   | 10       | Unbiased            | 14.888     | 14.754      | -0.134 |
| 321                                   | 10       | Unbiased            | 14.959     | 14.73       | -0.229 |
| 322                                   | 10       | Unbiased            | 14.971     | 14.819      | -0.152 |
| 323                                   | 30       | Bias                | 15.195     | 14.235      | -0.96  |
| 324                                   | 30       | Bias                | 14.943     | 14.025      | -0.918 |
| 325                                   | 30       | Bias                | 14.924     | 13.858      | -1.066 |
| 326                                   | 30       | Bias                | 14.815     | 13.781      | -1.034 |
| 327                                   | 30       | Bias                | 15.333     | 14.231      | -1.102 |
| 328                                   | 30       | Unbiased            | 14.873     | 14.609      | -0.264 |
| 329                                   | 30       | Unbiased            | 14.997     | 14.737      | -0.26  |
| 330                                   | 30       | Unbiased            | 14.872     | 14.587      | -0.285 |
| 331                                   | 30       | Unbiased            | 14.91      | 14.631      | -0.279 |
| 332                                   | 30       | Unbiased            | 15.076     | 14.801      | -0.275 |
| 333                                   | 50       | Bias                | 14.694     | 13.423      | -1.271 |
| 334                                   | 50       | Bias                | 14.876     | 13.614      | -1.262 |
| 335                                   | 50       | Bias                | 14.91      | 13.557      | -1.353 |
| 336                                   | 50       | Bias                | 14.954     | 13.606      | -1.348 |
| 337                                   | 50       | Bias                | 14.935     | 13.594      | -1.341 |
| 338                                   | 50       | Unbiased            | 14.86      | 14.516      | -0.344 |
| 339                                   | 50       | Unbiased            | 14.933     | 14.49       | -0.443 |
| 340                                   | 50       | Unbiased            | 15.039     | 14.536      | -0.503 |
| 341                                   | 50       | Unbiased            | 15.114     | 14.661      | -0.453 |
| 342                                   | 50       | Unbiased            | 14.933     | 14.473      | -0.46  |
| 343                                   | 100      | Bias                | 14.798     | 12.965      | -1.833 |
| 344                                   | 100      | Bias                | 15.073     | 13.15       | -1.923 |
| 345                                   | 100      | Bias                | 15.059     | 13.071      | -1.988 |
| 346                                   | 100      | Bias                | 15.257     | 13.224      | -2.033 |
| 347                                   | 100      | Bias                | 15.18      | 13.189      | -1.991 |
| 348                                   | 100      | Unbiased            | 14.903     | 14.319      | -0.584 |
| 349                                   | 100      | Unbiased            | 15.276     | 14.689      | -0.587 |
| 350                                   | 100      | Unbiased            | 15.068     | 14.401      | -0.667 |
| 351                                   | 100      | Unbiased            | 15.05      | 14.435      | -0.615 |
| 352                                   | 100      | Unbiased            | 14.799     | 14.184      | -0.615 |

Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 14.749           | 14.856           | 14.926           | 0.093927         | 14.674            | 14.766            | 14.815            | 0.079731          | -0.117    | -0.089667 | -0.075    | 0.023692  |
| 3        | 14.653           | 14.996           | 15.178           | 0.19707          | 14.58             | 14.768            | 14.908            | 0.093925          | -0.405    | -0.2277   | -0.047    | 0.15296   |
| 10       | 14.69            | 14.947           | 15.098           | 0.11526          | 14.448            | 14.647            | 14.96             | 0.16927           | -0.537    | -0.2998   | -0.133    | 0.18618   |
| 30       | 14.815           | 14.994           | 15.333           | 0.16268          | 13.781            | 14.35             | 14.801            | 0.37331           | -1.102    | -0.6443   | -0.26     | 0.39511   |
| 50       | 14.694           | 14.925           | 15.114           | 0.11055          | 13.423            | 14.047            | 14.661            | 0.51966           | -1.353    | -0.8778   | -0.344    | 0.46346   |
| 100      | 14.798           | 15.046           | 15.276           | 0.16988          | 12.965            | 13.763            | 14.689            | 0.69233           | -2.033    | -1.2836   | -0.584    | 0.7085    |

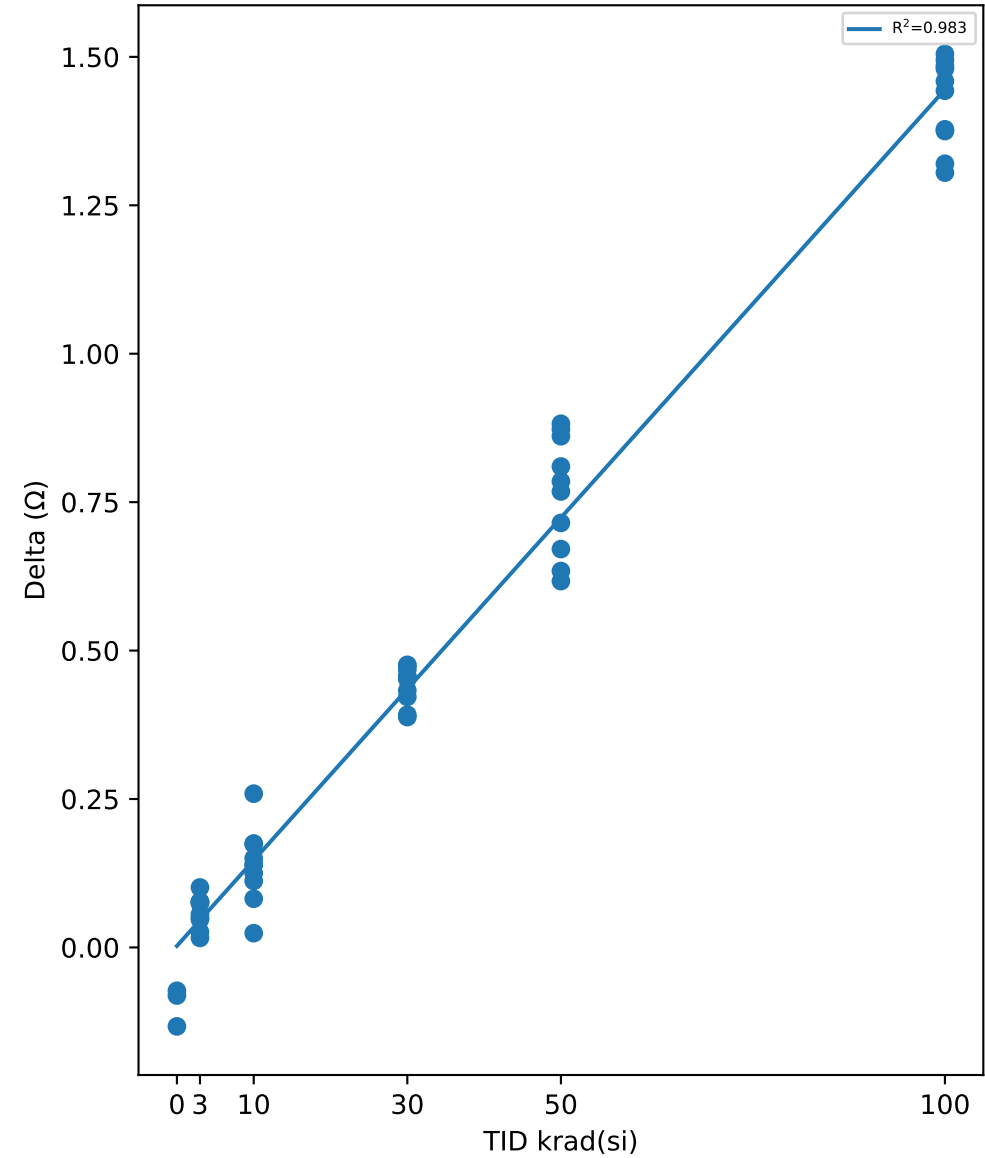
TID vs Result Stats



Test Results (Upper Limit = 40.0 (Ω))

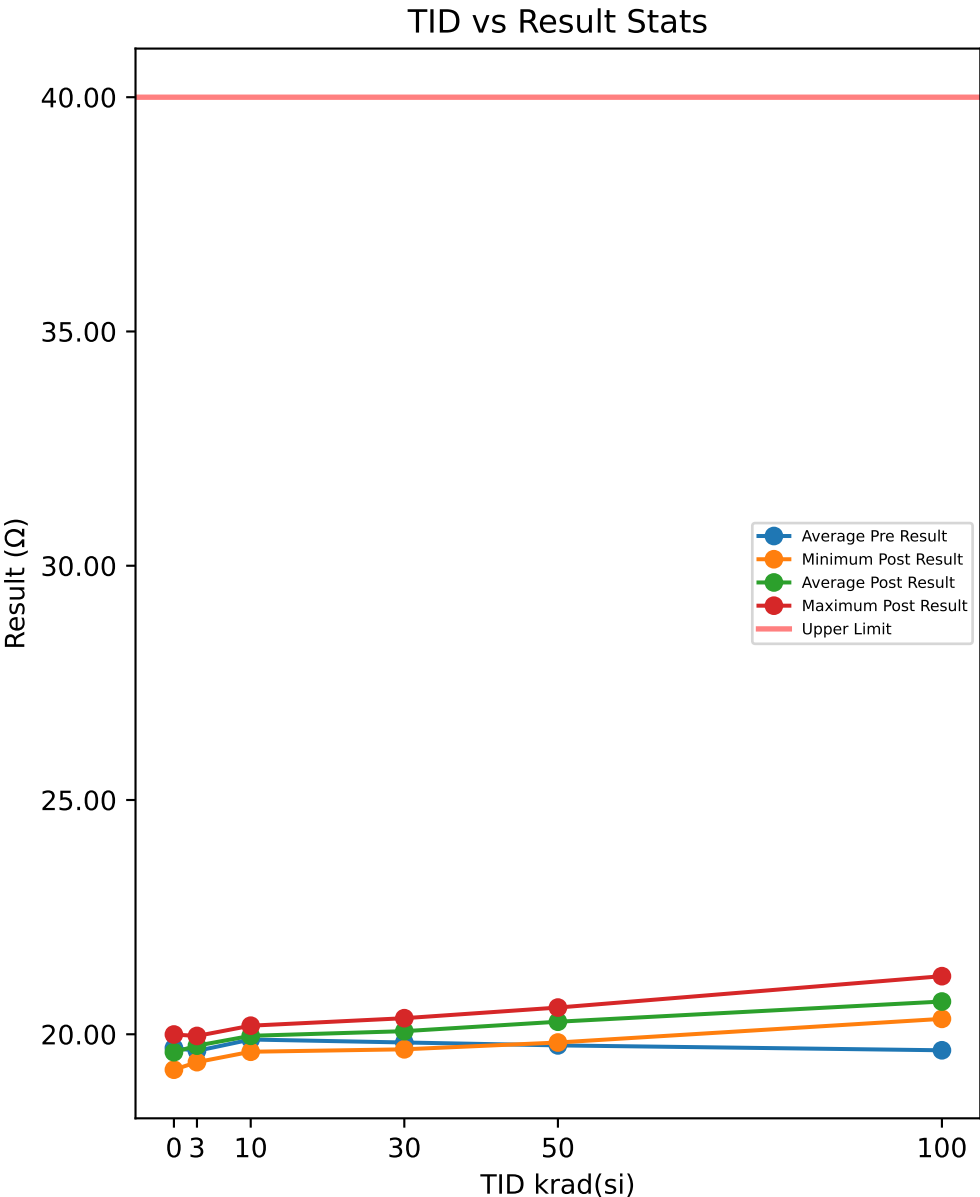
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 20.923     | 20.79       | -0.133 |
| 301      | 0        | Correlation         | 20.745     | 20.664      | -0.081 |
| 302      | 0        | Correlation         | 21.099     | 21.026      | -0.073 |
| 303      | 3        | Bias                | 21.068     | 21.124      | 0.056  |
| 304      | 3        | Bias                | 21.041     | 21.116      | 0.075  |
| 305      | 3        | Bias                | 20.807     | 20.882      | 0.075  |
| 306      | 3        | Bias                | 20.854     | 20.931      | 0.077  |
| 307      | 3        | Bias                | 21.1       | 21.201      | 0.101  |
| 308      | 3        | Unbiased            | 20.918     | 20.995      | 0.077  |
| 309      | 3        | Unbiased            | 21.023     | 21.07       | 0.047  |
| 310      | 3        | Unbiased            | 21.056     | 21.106      | 0.05   |
| 311      | 3        | Unbiased            | 20.765     | 20.791      | 0.026  |
| 312      | 3        | Unbiased            | 20.792     | 20.808      | 0.016  |
| 313      | 10       | Bias                | 20.917     | 21.056      | 0.139  |
| 314      | 10       | Bias                | 20.985     | 21.125      | 0.14   |
| 315      | 10       | Bias                | 21.219     | 21.393      | 0.174  |
| 316      | 10       | Bias                | 20.872     | 21.022      | 0.15   |
| 317      | 10       | Bias                | 21.118     | 21.293      | 0.175  |
| 318      | 10       | Unbiased            | 21.056     | 21.168      | 0.112  |
| 319      | 10       | Unbiased            | 21.115     | 21.197      | 0.082  |
| 320      | 10       | Unbiased            | 21.199     | 21.223      | 0.024  |
| 321      | 10       | Unbiased            | 21.091     | 21.35       | 0.259  |
| 322      | 10       | Unbiased            | 21.201     | 21.326      | 0.125  |
| 323      | 30       | Bias                | 21.025     | 21.493      | 0.468  |
| 324      | 30       | Bias                | 20.881     | 21.303      | 0.422  |
| 325      | 30       | Bias                | 21.214     | 21.69       | 0.476  |
| 326      | 30       | Bias                | 20.846     | 21.302      | 0.456  |
| 327      | 30       | Bias                | 21.043     | 21.518      | 0.475  |
| 328      | 30       | Unbiased            | 20.984     | 21.376      | 0.392  |
| 329      | 30       | Unbiased            | 21.009     | 21.397      | 0.388  |
| 330      | 30       | Unbiased            | 20.819     | 21.252      | 0.433  |
| 331      | 30       | Unbiased            | 21.054     | 21.511      | 0.457  |
| 332      | 30       | Unbiased            | 21.179     | 21.631      | 0.452  |
| 333      | 50       | Bias                | 20.767     | 21.438      | 0.671  |
| 334      | 50       | Bias                | 21.23      | 21.864      | 0.634  |
| 335      | 50       | Bias                | 21.146     | 21.914      | 0.768  |
| 336      | 50       | Bias                | 21.003     | 21.788      | 0.785  |
| 337      | 50       | Bias                | 21.325     | 22.04       | 0.715  |
| 338      | 50       | Unbiased            | 20.837     | 21.454      | 0.617  |
| 339      | 50       | Unbiased            | 20.807     | 21.617      | 0.81   |
| 340      | 50       | Unbiased            | 20.978     | 21.851      | 0.873  |
| 341      | 50       | Unbiased            | 20.76      | 21.642      | 0.882  |
| 342      | 50       | Unbiased            | 20.922     | 21.783      | 0.861  |
| 343      | 100      | Bias                | 20.804     | 22.179      | 1.375  |
| 344      | 100      | Bias                | 20.866     | 22.244      | 1.378  |
| 345      | 100      | Bias                | 20.798     | 22.303      | 1.505  |
| 346      | 100      | Bias                | 21.197     | 22.692      | 1.495  |
| 347      | 100      | Bias                | 20.935     | 22.378      | 1.443  |
| 348      | 100      | Unbiased            | 21.001     | 22.321      | 1.32   |
| 349      | 100      | Unbiased            | 20.811     | 22.116      | 1.305  |
| 350      | 100      | Unbiased            | 20.922     | 22.402      | 1.48   |
| 351      | 100      | Unbiased            | 21.093     | 22.578      | 1.485  |
| 352      | 100      | Unbiased            | 20.57      | 22.029      | 1.459  |

TID vs Post - Pre Exposure Delta

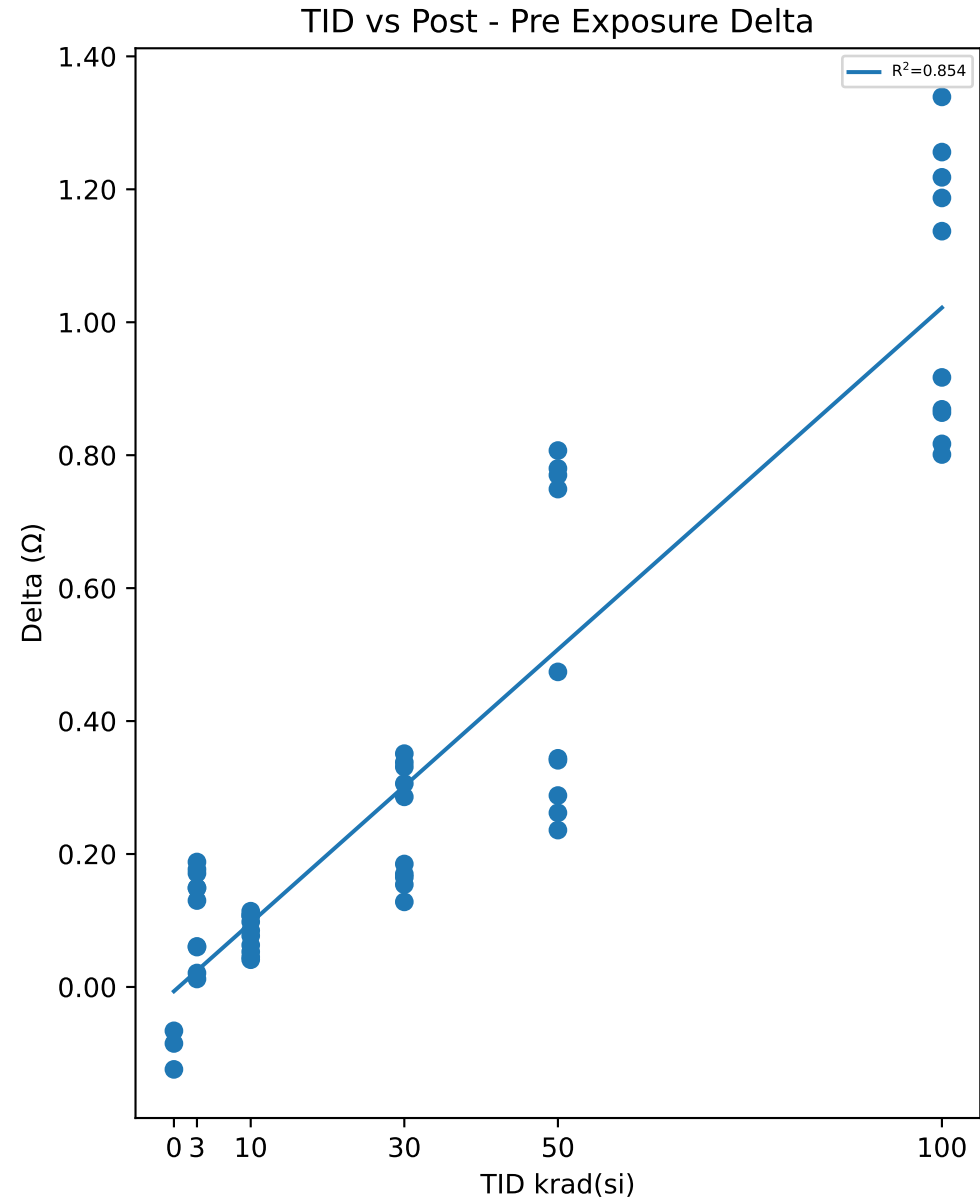


Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 20.745           | 20.922           | 21.099           | 0.177            | 20.664            | 20.827            | 21.026            | 0.18376           | -0.133    | -0.095667 | -0.073    | 0.032578  |
| 3        | 20.765           | 20.942           | 21.1             | 0.12934          | 20.791            | 21.002            | 21.201            | 0.1432            | 0.016     | 0.06      | 0.101     | 0.026004  |
| 10       | 20.872           | 21.077           | 21.219           | 0.12031          | 21.022            | 21.215            | 21.393            | 0.12541           | 0.024     | 0.138     | 0.259     | 0.061853  |
| 30       | 20.819           | 21.005           | 21.214           | 0.13077          | 21.252            | 21.447            | 21.69             | 0.14586           | 0.388     | 0.4419    | 0.476     | 0.032213  |
| 50       | 20.76            | 20.977           | 21.325           | 0.19918          | 21.438            | 21.739            | 22.04             | 0.19716           | 0.617     | 0.7616    | 0.882     | 0.098482  |
| 100      | 20.57            | 20.9             | 21.197           | 0.17479          | 22.029            | 22.324            | 22.692            | 0.20196           | 1.305     | 1.4245    | 1.505     | 0.074189  |



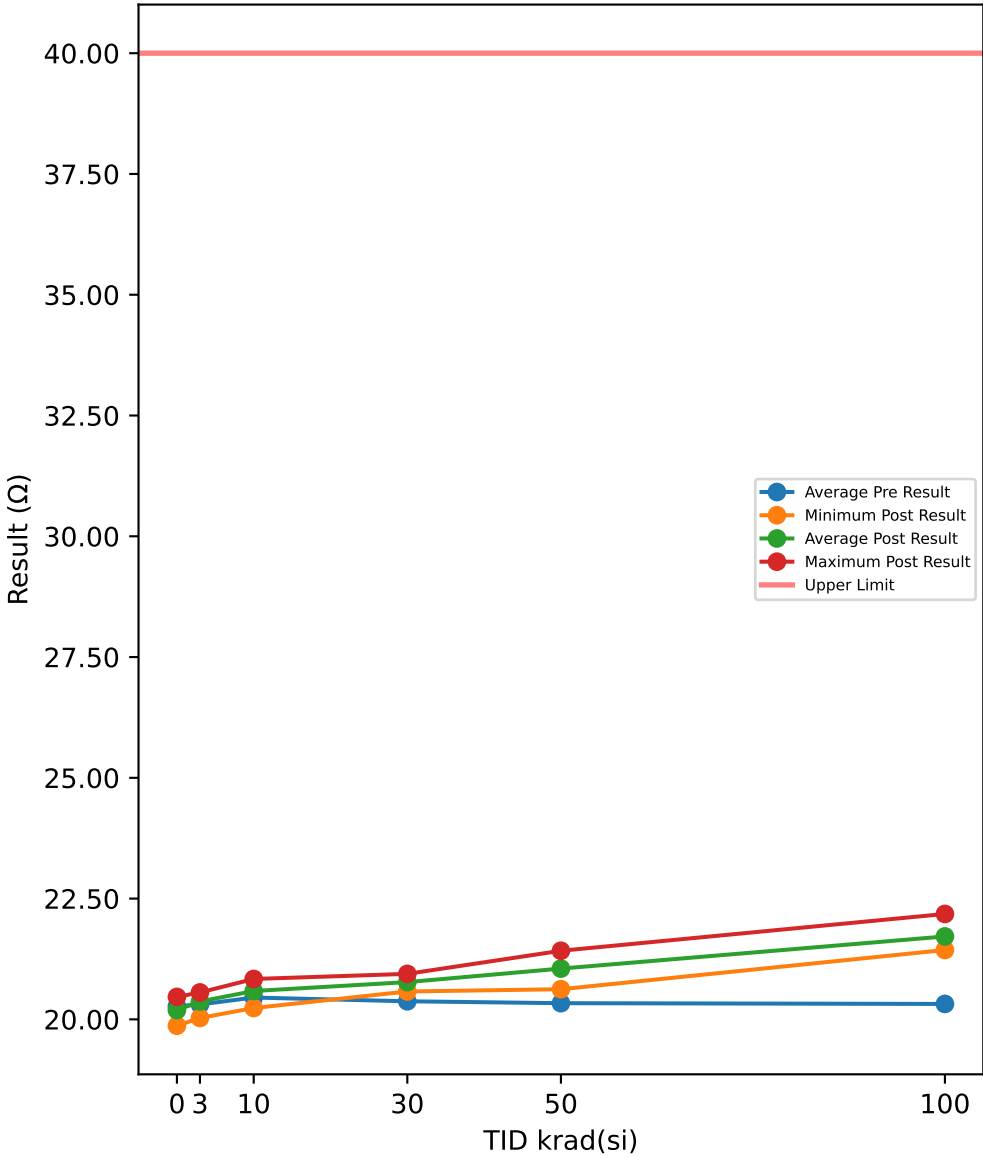
| Test Results (Upper Limit = 40.0 (Ω)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 19.736     | 19.612      | -0.124 |
| 301                                   | 0        | Correlation         | 19.329     | 19.244      | -0.085 |
| 302                                   | 0        | Correlation         | 20.061     | 19.995      | -0.066 |
| 303                                   | 3        | Bias                | 19.652     | 19.782      | 0.13   |
| 304                                   | 3        | Bias                | 19.719     | 19.868      | 0.149  |
| 305                                   | 3        | Bias                | 19.642     | 19.791      | 0.149  |
| 306                                   | 3        | Bias                | 19.641     | 19.812      | 0.171  |
| 307                                   | 3        | Bias                | 19.776     | 19.964      | 0.188  |
| 308                                   | 3        | Unbiased            | 19.595     | 19.772      | 0.177  |
| 309                                   | 3        | Unbiased            | 19.763     | 19.823      | 0.06   |
| 310                                   | 3        | Unbiased            | 19.859     | 19.92       | 0.061  |
| 311                                   | 3        | Unbiased            | 19.384     | 19.405      | 0.021  |
| 312                                   | 3        | Unbiased            | 19.423     | 19.435      | 0.012  |
| 313                                   | 10       | Bias                | 19.814     | 19.859      | 0.045  |
| 314                                   | 10       | Bias                | 19.897     | 19.938      | 0.041  |
| 315                                   | 10       | Bias                | 20.093     | 20.146      | 0.053  |
| 316                                   | 10       | Bias                | 19.529     | 19.627      | 0.098  |
| 317                                   | 10       | Bias                | 20.12      | 20.183      | 0.063  |
| 318                                   | 10       | Unbiased            | 19.903     | 20.017      | 0.114  |
| 319                                   | 10       | Unbiased            | 19.841     | 19.918      | 0.077  |
| 320                                   | 10       | Unbiased            | 19.98      | 20.087      | 0.107  |
| 321                                   | 10       | Unbiased            | 19.984     | 20.092      | 0.108  |
| 322                                   | 10       | Unbiased            | 19.719     | 19.804      | 0.085  |
| 323                                   | 30       | Bias                | 19.941     | 20.095      | 0.154  |
| 324                                   | 30       | Bias                | 19.75      | 19.915      | 0.165  |
| 325                                   | 30       | Bias                | 20.051     | 20.221      | 0.17   |
| 326                                   | 30       | Bias                | 19.551     | 19.679      | 0.128  |
| 327                                   | 30       | Bias                | 19.779     | 19.964      | 0.185  |
| 328                                   | 30       | Unbiased            | 19.798     | 20.084      | 0.286  |
| 329                                   | 30       | Unbiased            | 19.815     | 20.121      | 0.306  |
| 330                                   | 30       | Unbiased            | 19.669     | 20          | 0.331  |
| 331                                   | 30       | Unbiased            | 19.902     | 20.24       | 0.338  |
| 332                                   | 30       | Unbiased            | 19.992     | 20.343      | 0.351  |
| 333                                   | 50       | Bias                | 19.588     | 19.824      | 0.236  |
| 334                                   | 50       | Bias                | 20.108     | 20.37       | 0.262  |
| 335                                   | 50       | Bias                | 19.897     | 20.238      | 0.341  |
| 336                                   | 50       | Bias                | 19.836     | 20.18       | 0.344  |
| 337                                   | 50       | Bias                | 20.218     | 20.506      | 0.288  |
| 338                                   | 50       | Unbiased            | 19.615     | 20.089      | 0.474  |
| 339                                   | 50       | Unbiased            | 19.623     | 20.372      | 0.749  |
| 340                                   | 50       | Unbiased            | 19.763     | 20.57       | 0.807  |
| 341                                   | 50       | Unbiased            | 19.434     | 20.204      | 0.77   |
| 342                                   | 50       | Unbiased            | 19.545     | 20.325      | 0.78   |
| 343                                   | 100      | Bias                | 19.589     | 20.39       | 0.801  |
| 344                                   | 100      | Bias                | 19.73      | 20.547      | 0.817  |
| 345                                   | 100      | Bias                | 19.465     | 20.329      | 0.864  |
| 346                                   | 100      | Bias                | 19.899     | 20.816      | 0.917  |
| 347                                   | 100      | Bias                | 19.765     | 20.634      | 0.869  |
| 348                                   | 100      | Unbiased            | 19.632     | 20.819      | 1.187  |
| 349                                   | 100      | Unbiased            | 19.578     | 20.715      | 1.137  |
| 350                                   | 100      | Unbiased            | 19.599     | 20.855      | 1.256  |
| 351                                   | 100      | Unbiased            | 19.901     | 21.24       | 1.339  |
| 352                                   | 100      | Unbiased            | 19.425     | 20.643      | 1.218  |



Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 19.329           | 19.709           | 20.061           | 0.36676          | 19.244            | 19.617            | 19.995            | 0.37552           | -0.124    | -0.091667 | -0.066    | 0.029569  |
| 3        | 19.384           | 19.645           | 19.859           | 0.14994          | 19.405            | 19.757            | 19.964            | 0.18818           | 0.012     | 0.1118    | 0.188     | 0.066775  |
| 10       | 19.529           | 19.888           | 20.12            | 0.17606          | 19.627            | 19.967            | 20.183            | 0.17266           | 0.041     | 0.0791    | 0.114     | 0.027453  |
| 30       | 19.551           | 19.825           | 20.051           | 0.15141          | 19.679            | 20.066            | 20.343            | 0.18931           | 0.128     | 0.2414    | 0.351     | 0.088285  |
| 50       | 19.434           | 19.763           | 20.218           | 0.25325          | 19.824            | 20.268            | 20.57             | 0.21454           | 0.236     | 0.5051    | 0.807     | 0.24241   |
| 100      | 19.425           | 19.658           | 19.901           | 0.16351          | 20.329            | 20.699            | 21.24             | 0.25996           | 0.801     | 1.0405    | 1.339     | 0.20574   |

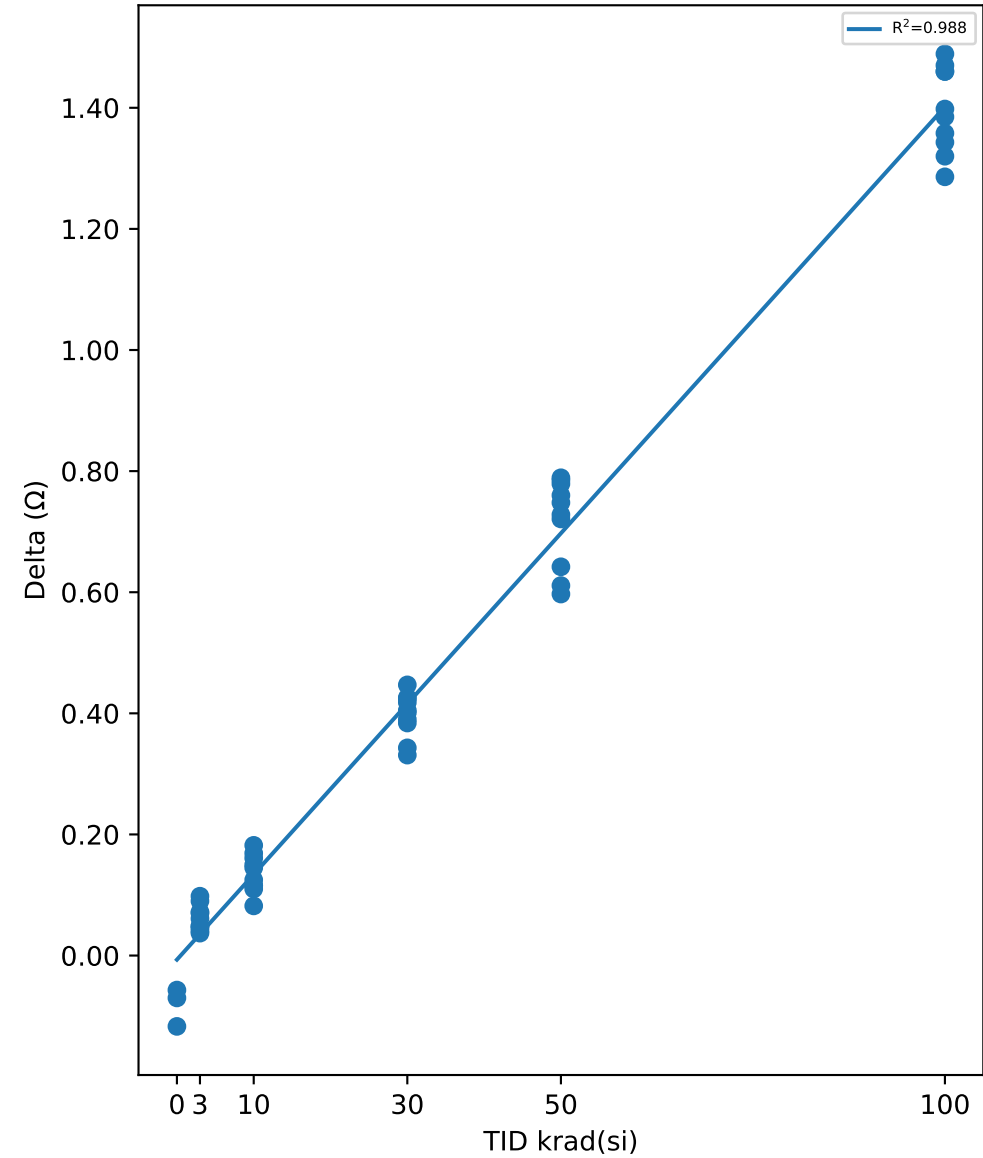
TID vs Result Stats



Test Results (Upper Limit = 40.0 (Ω))

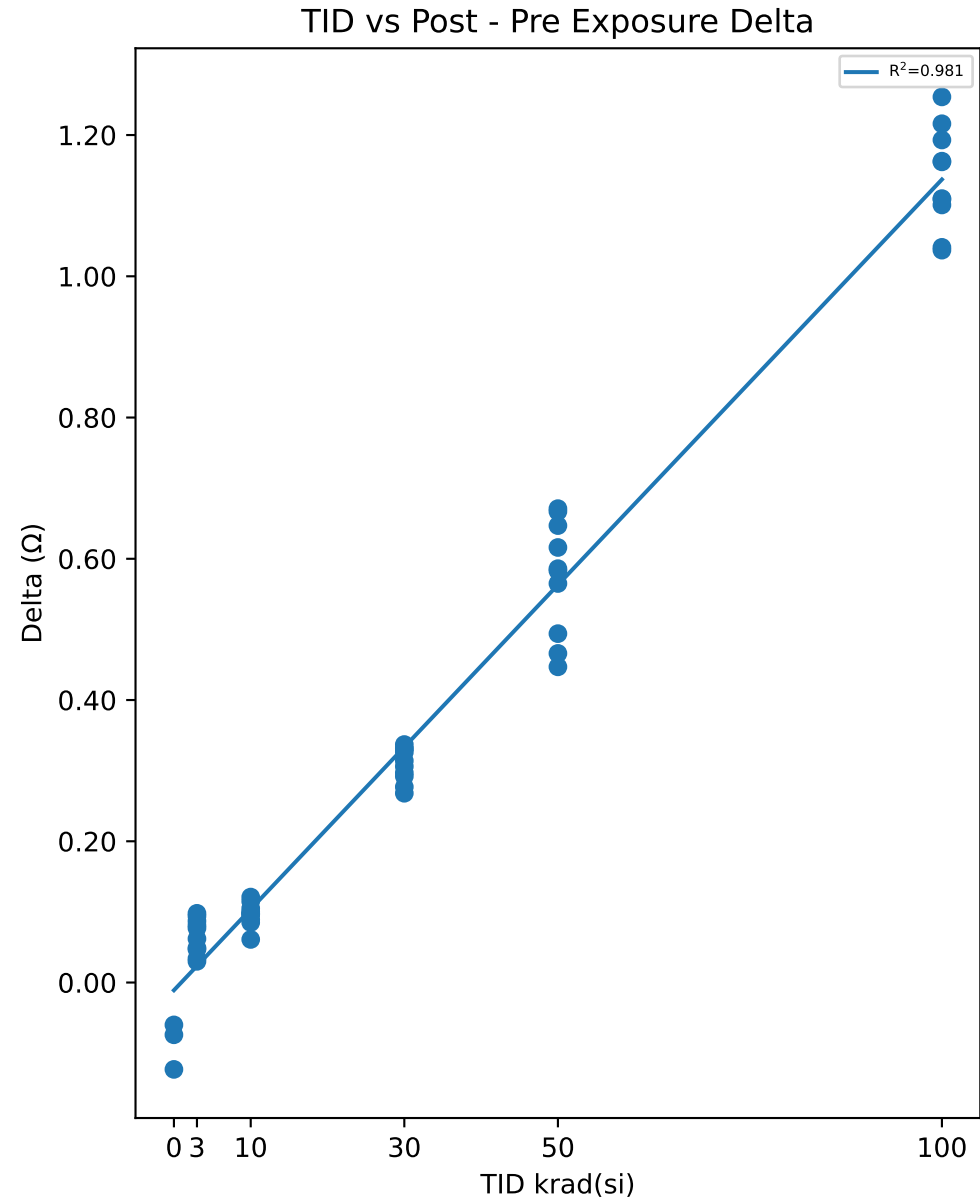
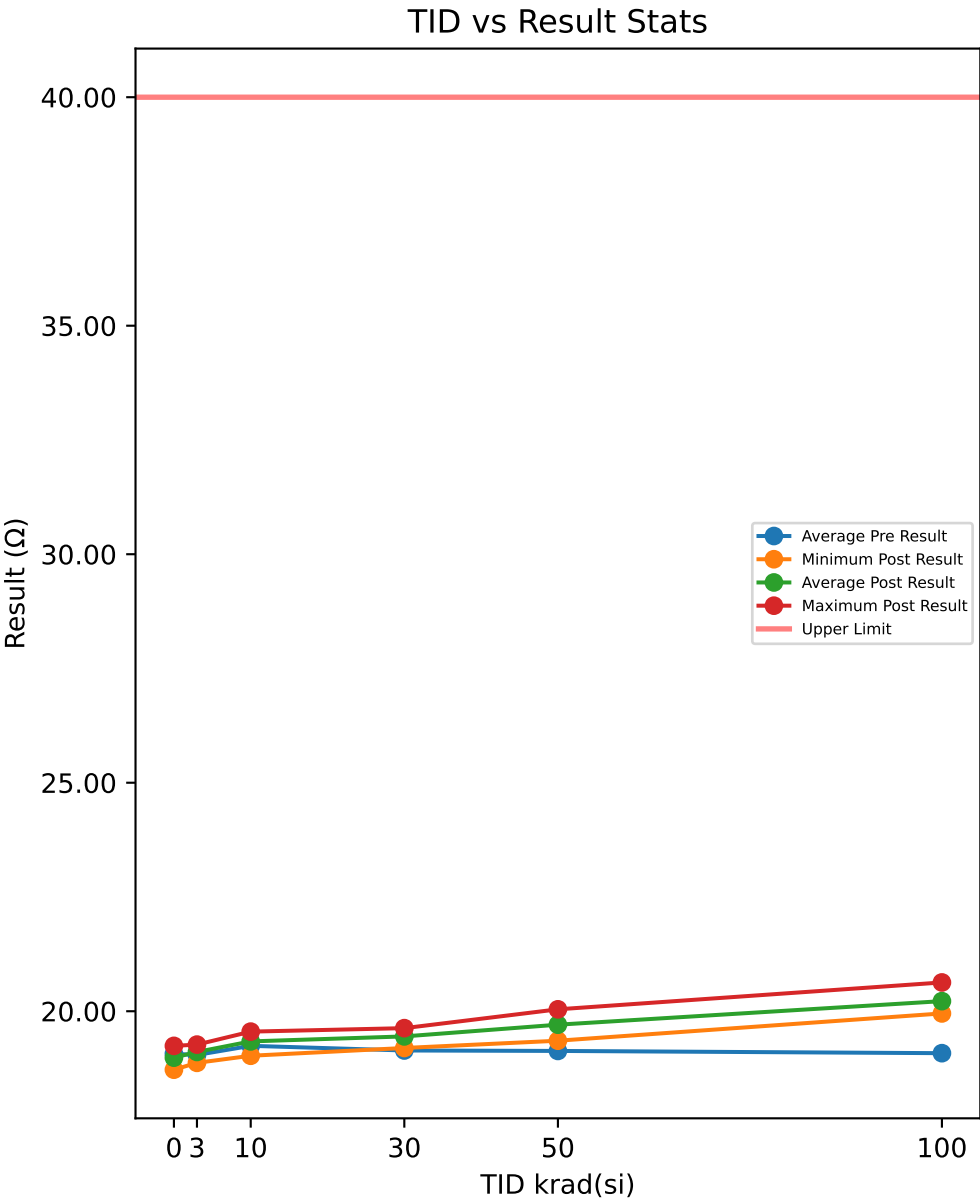
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 20.356     | 20.239      | -0.117 |
| 301      | 0        | Correlation         | 19.939     | 19.869      | -0.07  |
| 302      | 0        | Correlation         | 20.522     | 20.465      | -0.057 |
| 303      | 3        | Bias                | 20.443     | 20.483      | 0.04   |
| 304      | 3        | Bias                | 20.453     | 20.498      | 0.045  |
| 305      | 3        | Bias                | 20.257     | 20.355      | 0.098  |
| 306      | 3        | Bias                | 20.33      | 20.402      | 0.072  |
| 307      | 3        | Bias                | 20.509     | 20.557      | 0.048  |
| 308      | 3        | Unbiased            | 20.301     | 20.391      | 0.09   |
| 309      | 3        | Unbiased            | 20.373     | 20.434      | 0.061  |
| 310      | 3        | Unbiased            | 20.445     | 20.515      | 0.07   |
| 311      | 3        | Unbiased            | 19.98      | 20.029      | 0.049  |
| 312      | 3        | Unbiased            | 20         | 20.037      | 0.037  |
| 313      | 10       | Bias                | 20.345     | 20.495      | 0.15   |
| 314      | 10       | Bias                | 20.455     | 20.58       | 0.125  |
| 315      | 10       | Bias                | 20.675     | 20.836      | 0.161  |
| 316      | 10       | Bias                | 20.053     | 20.235      | 0.182  |
| 317      | 10       | Bias                | 20.601     | 20.746      | 0.145  |
| 318      | 10       | Unbiased            | 20.381     | 20.496      | 0.115  |
| 319      | 10       | Unbiased            | 20.556     | 20.666      | 0.11   |
| 320      | 10       | Unbiased            | 20.513     | 20.595      | 0.082  |
| 321      | 10       | Unbiased            | 20.474     | 20.643      | 0.169  |
| 322      | 10       | Unbiased            | 20.463     | 20.579      | 0.116  |
| 323      | 30       | Bias                | 20.447     | 20.831      | 0.384  |
| 324      | 30       | Bias                | 20.288     | 20.693      | 0.405  |
| 325      | 30       | Bias                | 20.495     | 20.942      | 0.447  |
| 326      | 30       | Bias                | 20.153     | 20.577      | 0.424  |
| 327      | 30       | Bias                | 20.508     | 20.926      | 0.418  |
| 328      | 30       | Unbiased            | 20.346     | 20.689      | 0.343  |
| 329      | 30       | Unbiased            | 20.428     | 20.759      | 0.331  |
| 330      | 30       | Unbiased            | 20.171     | 20.597      | 0.426  |
| 331      | 30       | Unbiased            | 20.405     | 20.806      | 0.401  |
| 332      | 30       | Unbiased            | 20.502     | 20.892      | 0.39   |
| 333      | 50       | Bias                | 20.013     | 20.624      | 0.611  |
| 334      | 50       | Bias                | 20.506     | 21.148      | 0.642  |
| 335      | 50       | Bias                | 20.508     | 21.268      | 0.76   |
| 336      | 50       | Bias                | 20.404     | 21.152      | 0.748  |
| 337      | 50       | Bias                | 20.692     | 21.42       | 0.728  |
| 338      | 50       | Unbiased            | 20.069     | 20.666      | 0.597  |
| 339      | 50       | Unbiased            | 20.371     | 21.092      | 0.721  |
| 340      | 50       | Unbiased            | 20.346     | 21.135      | 0.789  |
| 341      | 50       | Unbiased            | 20.166     | 20.951      | 0.785  |
| 342      | 50       | Unbiased            | 20.275     | 21.054      | 0.779  |
| 343      | 100      | Bias                | 20.199     | 21.542      | 1.343  |
| 344      | 100      | Bias                | 20.313     | 21.671      | 1.358  |
| 345      | 100      | Bias                | 20.159     | 21.629      | 1.47   |
| 346      | 100      | Bias                | 20.722     | 22.182      | 1.46   |
| 347      | 100      | Bias                | 20.482     | 21.88       | 1.398  |
| 348      | 100      | Unbiased            | 20.248     | 21.568      | 1.32   |
| 349      | 100      | Unbiased            | 20.241     | 21.527      | 1.286  |
| 350      | 100      | Unbiased            | 20.298     | 21.758      | 1.46   |
| 351      | 100      | Unbiased            | 20.481     | 21.97       | 1.489  |
| 352      | 100      | Unbiased            | 20.051     | 21.436      | 1.385  |

TID vs Post - Pre Exposure Delta



Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 19.939           | 20.272           | 20.522           | 0.30037          | 19.869            | 20.191            | 20.465            | 0.30089           | -0.117    | -0.081333 | -0.057    | 0.031565  |
| 3        | 19.98            | 20.309           | 20.509           | 0.18506          | 20.029            | 20.37             | 20.557            | 0.188             | 0.037     | 0.061     | 0.098     | 0.021077  |
| 10       | 20.053           | 20.452           | 20.675           | 0.17087          | 20.235            | 20.587            | 20.836            | 0.16244           | 0.082     | 0.1355    | 0.182     | 0.031017  |
| 30       | 20.153           | 20.374           | 20.508           | 0.13183          | 20.577            | 20.771            | 20.942            | 0.13064           | 0.331     | 0.3969    | 0.447     | 0.036638  |
| 50       | 20.013           | 20.335           | 20.692           | 0.21066          | 20.624            | 21.051            | 21.42             | 0.24769           | 0.597     | 0.716     | 0.789     | 0.072915  |
| 100      | 20.051           | 20.319           | 20.722           | 0.19398          | 21.436            | 21.716            | 22.182            | 0.23243           | 1.286     | 1.3969    | 1.489     | 0.070366  |



| Test Results (Upper Limit = 40.0 (Ω)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 19.112     | 18.989      | -0.123 |
| 301                                   | 0        | Correlation         | 18.795     | 18.721      | -0.074 |
| 302                                   | 0        | Correlation         | 19.302     | 19.242      | -0.06  |
| 303                                   | 3        | Bias                | 19.049     | 19.096      | 0.047  |
| 304                                   | 3        | Bias                | 19.118     | 19.195      | 0.077  |
| 305                                   | 3        | Bias                | 18.949     | 19.043      | 0.094  |
| 306                                   | 3        | Bias                | 19.113     | 19.194      | 0.081  |
| 307                                   | 3        | Bias                | 19.134     | 19.221      | 0.087  |
| 308                                   | 3        | Unbiased            | 19.041     | 19.139      | 0.098  |
| 309                                   | 3        | Unbiased            | 19.133     | 19.182      | 0.049  |
| 310                                   | 3        | Unbiased            | 19.208     | 19.27       | 0.062  |
| 311                                   | 3        | Unbiased            | 18.848     | 18.882      | 0.034  |
| 312                                   | 3        | Unbiased            | 18.841     | 18.871      | 0.03   |
| 313                                   | 10       | Bias                | 19.121     | 19.218      | 0.097  |
| 314                                   | 10       | Bias                | 19.161     | 19.266      | 0.105  |
| 315                                   | 10       | Bias                | 19.433     | 19.554      | 0.121  |
| 316                                   | 10       | Bias                | 18.911     | 19.026      | 0.115  |
| 317                                   | 10       | Bias                | 19.404     | 19.502      | 0.098  |
| 318                                   | 10       | Unbiased            | 19.087     | 19.172      | 0.085  |
| 319                                   | 10       | Unbiased            | 19.352     | 19.413      | 0.061  |
| 320                                   | 10       | Unbiased            | 19.363     | 19.452      | 0.089  |
| 321                                   | 10       | Unbiased            | 19.354     | 19.454      | 0.1    |
| 322                                   | 10       | Unbiased            | 19.247     | 19.343      | 0.096  |
| 323                                   | 30       | Bias                | 19.103     | 19.417      | 0.314  |
| 324                                   | 30       | Bias                | 19.163     | 19.469      | 0.306  |
| 325                                   | 30       | Bias                | 19.299     | 19.63       | 0.331  |
| 326                                   | 30       | Bias                | 18.942     | 19.234      | 0.292  |
| 327                                   | 30       | Bias                | 19.259     | 19.585      | 0.326  |
| 328                                   | 30       | Unbiased            | 19.122     | 19.399      | 0.277  |
| 329                                   | 30       | Unbiased            | 19.184     | 19.452      | 0.268  |
| 330                                   | 30       | Unbiased            | 18.899     | 19.196      | 0.297  |
| 331                                   | 30       | Unbiased            | 19.208     | 19.539      | 0.331  |
| 332                                   | 30       | Unbiased            | 19.234     | 19.571      | 0.337  |
| 333                                   | 50       | Bias                | 18.889     | 19.355      | 0.466  |
| 334                                   | 50       | Bias                | 19.369     | 19.863      | 0.494  |
| 335                                   | 50       | Bias                | 19.298     | 19.881      | 0.583  |
| 336                                   | 50       | Bias                | 19.132     | 19.718      | 0.586  |
| 337                                   | 50       | Bias                | 19.477     | 20.042      | 0.565  |
| 338                                   | 50       | Unbiased            | 18.947     | 19.394      | 0.447  |
| 339                                   | 50       | Unbiased            | 19.068     | 19.684      | 0.616  |
| 340                                   | 50       | Unbiased            | 19.097     | 19.764      | 0.667  |
| 341                                   | 50       | Unbiased            | 18.949     | 19.62       | 0.671  |
| 342                                   | 50       | Unbiased            | 19.089     | 19.736      | 0.647  |
| 343                                   | 100      | Bias                | 18.948     | 20.057      | 1.109  |
| 344                                   | 100      | Bias                | 19.075     | 20.176      | 1.101  |
| 345                                   | 100      | Bias                | 18.923     | 20.116      | 1.193  |
| 346                                   | 100      | Bias                | 19.376     | 20.63       | 1.254  |
| 347                                   | 100      | Bias                | 19.159     | 20.321      | 1.162  |
| 348                                   | 100      | Unbiased            | 19.032     | 20.073      | 1.041  |
| 349                                   | 100      | Unbiased            | 19.085     | 20.122      | 1.037  |
| 350                                   | 100      | Unbiased            | 19.087     | 20.25       | 1.163  |
| 351                                   | 100      | Unbiased            | 19.297     | 20.513      | 1.216  |
| 352                                   | 100      | Unbiased            | 18.842     | 19.952      | 1.11   |

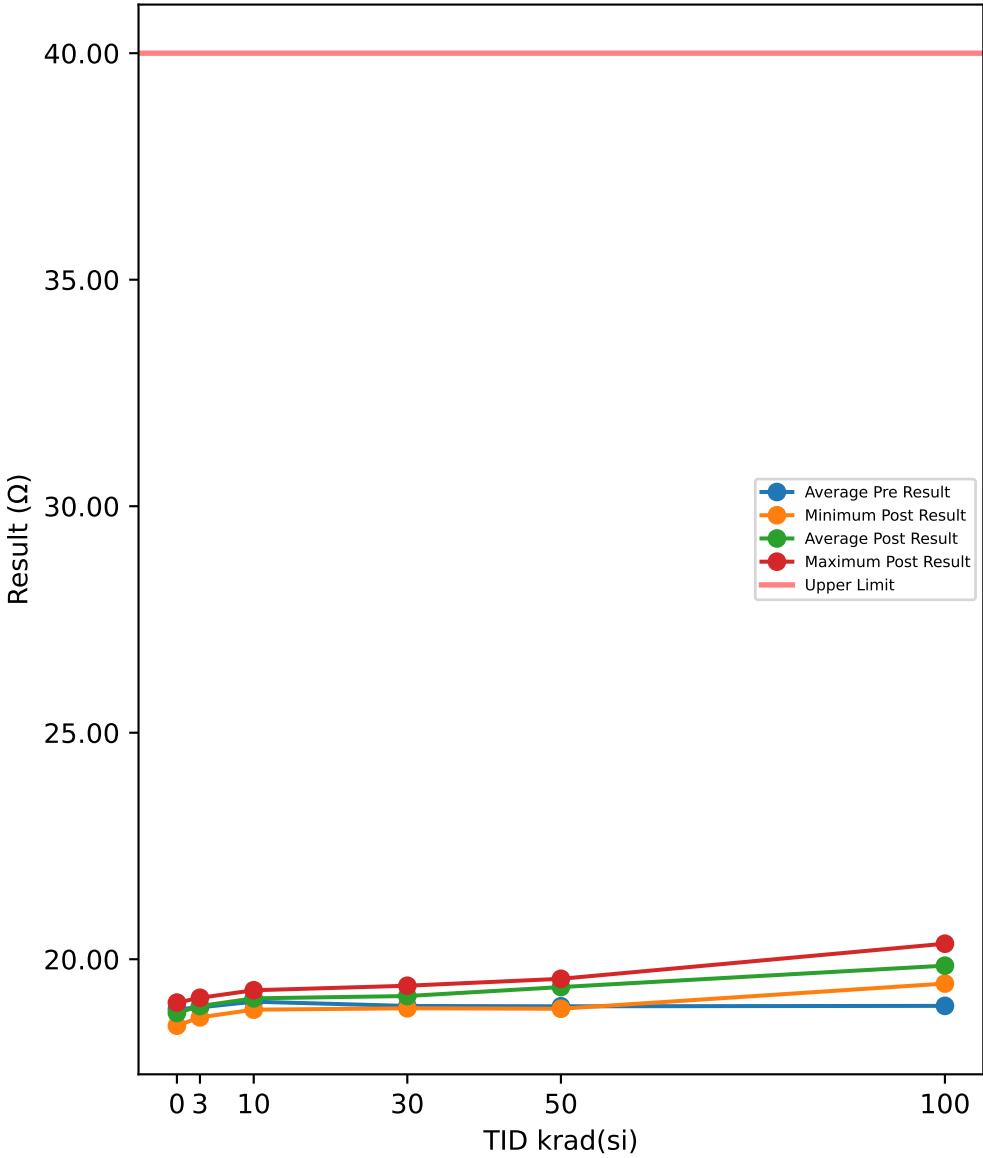
Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 18.795           | 19.07            | 19.302           | 0.25614          | 18.721            | 18.984            | 19.242            | 0.26054           | -0.123    | -0.085667 | -0.06     | 0.033081  |
| 3        | 18.841           | 19.043           | 19.208           | 0.12554          | 18.871            | 19.109            | 19.27             | 0.13825           | 0.03      | 0.0659    | 0.098     | 0.024902  |
| 10       | 18.911           | 19.243           | 19.433           | 0.16892          | 19.026            | 19.34             | 19.554            | 0.1667            | 0.061     | 0.0967    | 0.121     | 0.016594  |
| 30       | 18.899           | 19.141           | 19.299           | 0.13095          | 19.196            | 19.449            | 19.63             | 0.14469           | 0.268     | 0.3079    | 0.337     | 0.024039  |
| 50       | 18.889           | 19.131           | 19.477           | 0.19341          | 19.355            | 19.706            | 20.042            | 0.21108           | 0.447     | 0.5742    | 0.671     | 0.081411  |
| 100      | 18.842           | 19.082           | 19.376           | 0.16398          | 19.952            | 20.221            | 20.63             | 0.21276           | 1.037     | 1.1386    | 1.254     | 0.071776  |



Device Test: 18.9 ; RESET\_RPMOS\_LOW\_V

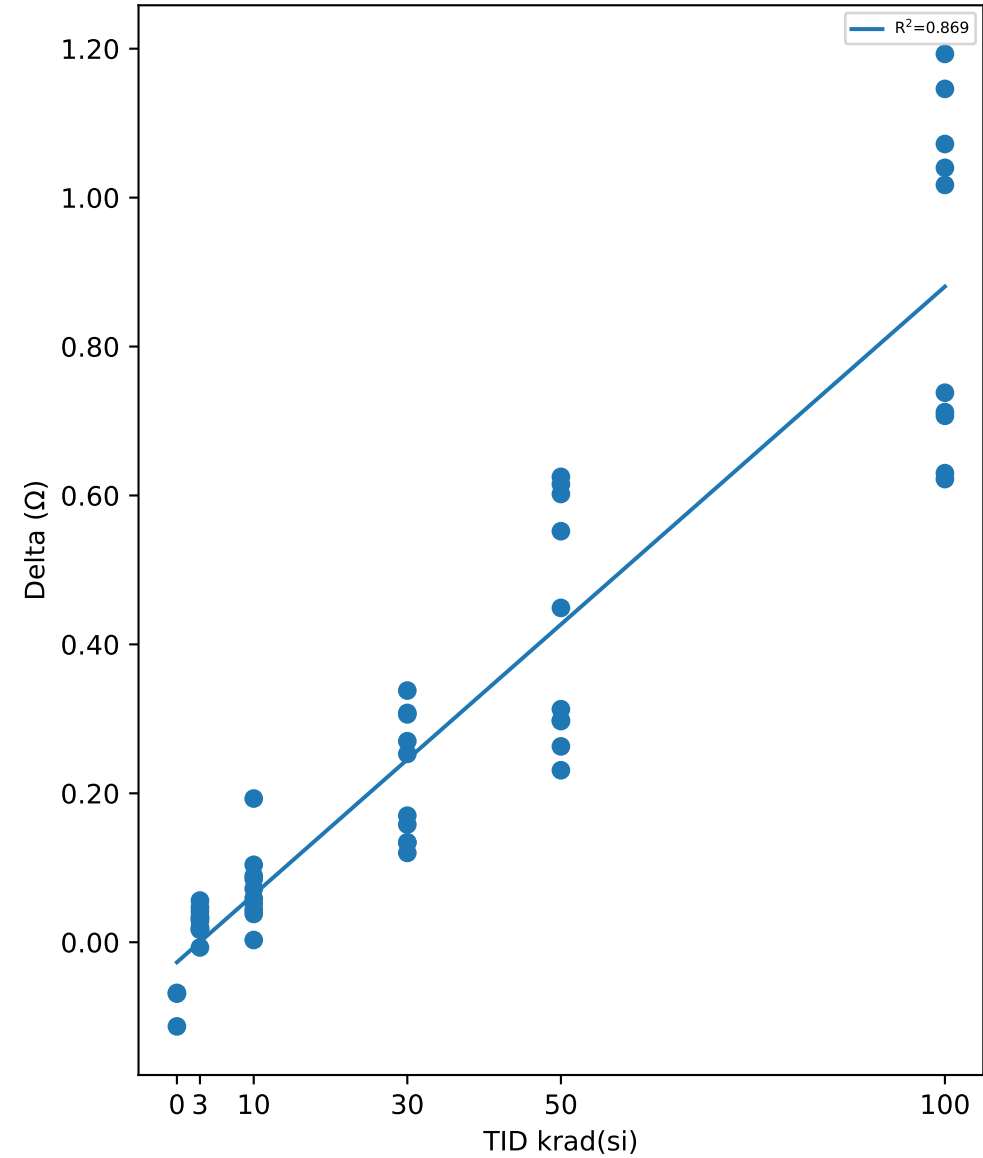
TID vs Result Stats



Test Results (Upper Limit = 40.0 (Ω))

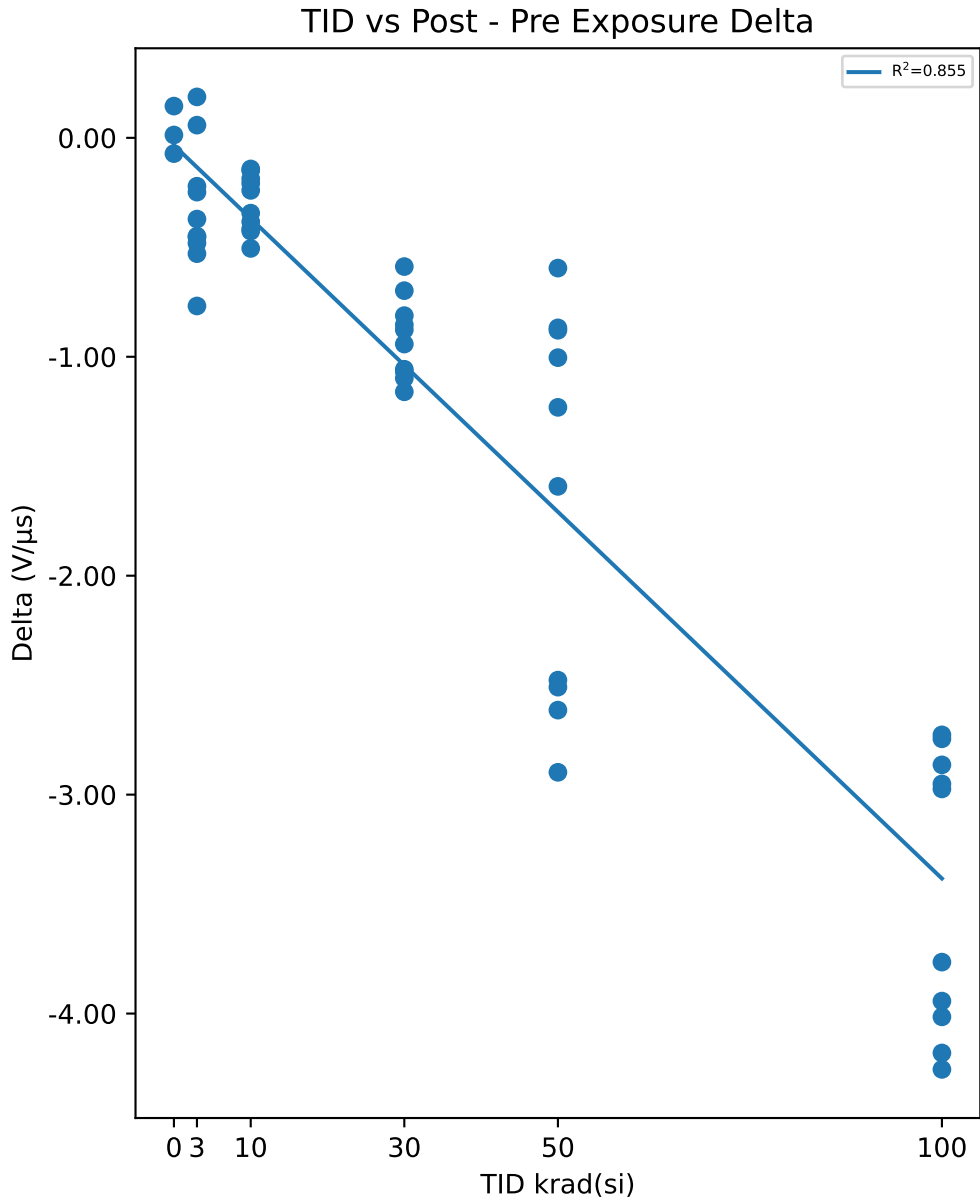
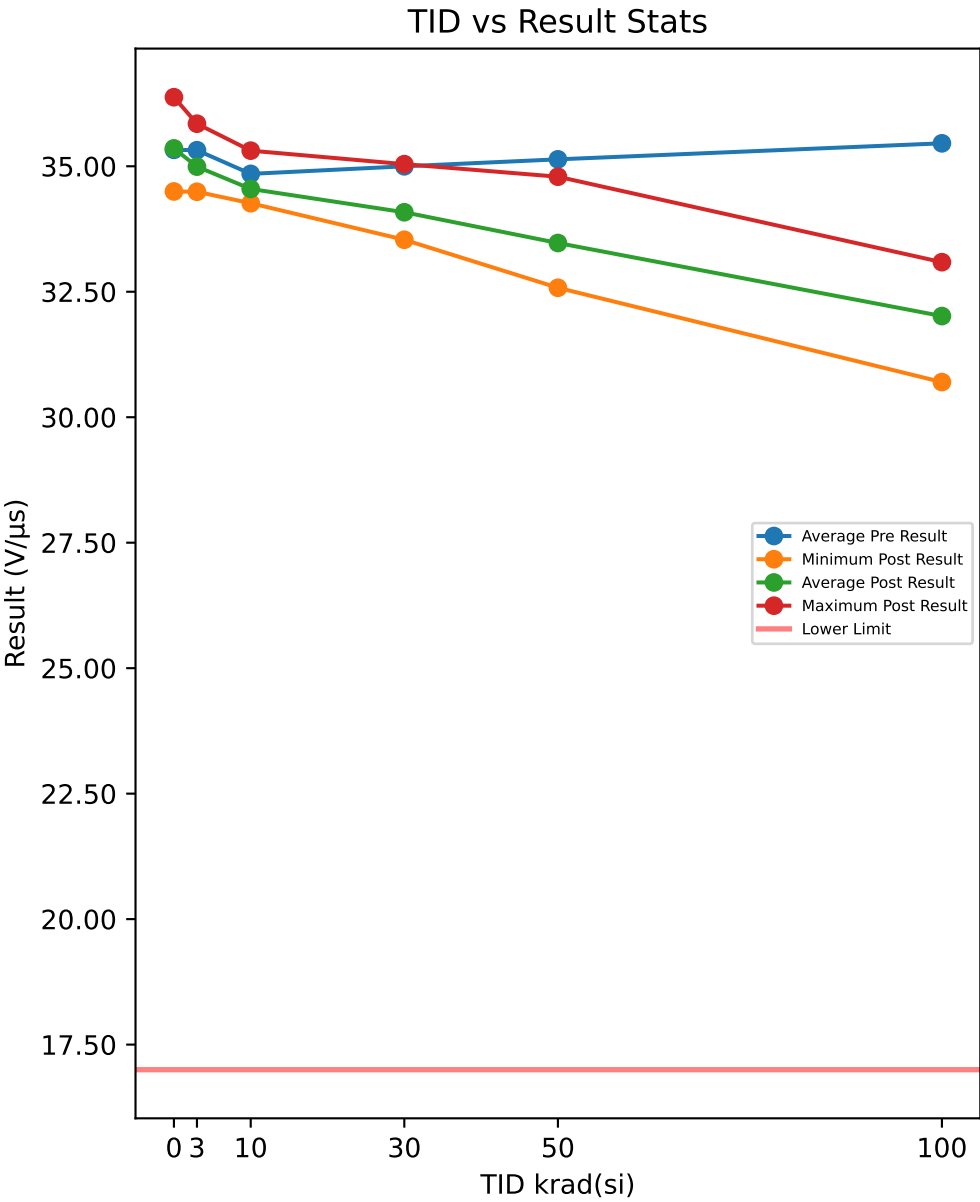
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 18.98      | 18.867      | -0.113 |
| 301      | 0        | Correlation         | 18.602     | 18.533      | -0.069 |
| 302      | 0        | Correlation         | 19.11      | 19.042      | -0.068 |
| 303      | 3        | Bias                | 19.016     | 19.009      | -0.007 |
| 304      | 3        | Bias                | 19.005     | 19.022      | 0.017  |
| 305      | 3        | Bias                | 18.864     | 18.884      | 0.02   |
| 306      | 3        | Bias                | 18.988     | 19.005      | 0.017  |
| 307      | 3        | Bias                | 19.108     | 19.149      | 0.041  |
| 308      | 3        | Unbiased            | 18.998     | 19.03       | 0.032  |
| 309      | 3        | Unbiased            | 18.958     | 19.005      | 0.047  |
| 310      | 3        | Unbiased            | 19.071     | 19.127      | 0.056  |
| 311      | 3        | Unbiased            | 18.683     | 18.717      | 0.034  |
| 312      | 3        | Unbiased            | 18.689     | 18.718      | 0.029  |
| 313      | 10       | Bias                | 18.891     | 18.95       | 0.059  |
| 314      | 10       | Bias                | 18.998     | 19.036      | 0.038  |
| 315      | 10       | Bias                | 19.245     | 19.289      | 0.044  |
| 316      | 10       | Bias                | 18.783     | 18.887      | 0.104  |
| 317      | 10       | Bias                | 19.218     | 19.27       | 0.052  |
| 318      | 10       | Unbiased            | 18.905     | 18.994      | 0.089  |
| 319      | 10       | Unbiased            | 19.165     | 19.237      | 0.072  |
| 320      | 10       | Unbiased            | 19.217     | 19.22       | 0.003  |
| 321      | 10       | Unbiased            | 19.122     | 19.315      | 0.193  |
| 322      | 10       | Unbiased            | 19.083     | 19.168      | 0.085  |
| 323      | 30       | Bias                | 18.977     | 19.111      | 0.134  |
| 324      | 30       | Bias                | 18.922     | 19.056      | 0.134  |
| 325      | 30       | Bias                | 19.12      | 19.29       | 0.17   |
| 326      | 30       | Bias                | 18.797     | 18.917      | 0.12   |
| 327      | 30       | Bias                | 19.064     | 19.222      | 0.158  |
| 328      | 30       | Unbiased            | 18.941     | 19.211      | 0.27   |
| 329      | 30       | Unbiased            | 19.02      | 19.273      | 0.253  |
| 330      | 30       | Unbiased            | 18.715     | 19.021      | 0.306  |
| 331      | 30       | Unbiased            | 19.053     | 19.361      | 0.308  |
| 332      | 30       | Unbiased            | 19.077     | 19.415      | 0.338  |
| 333      | 50       | Bias                | 18.676     | 18.907      | 0.231  |
| 334      | 50       | Bias                | 19.201     | 19.464      | 0.263  |
| 335      | 50       | Bias                | 19.08      | 19.393      | 0.313  |
| 336      | 50       | Bias                | 18.943     | 19.241      | 0.298  |
| 337      | 50       | Bias                | 19.239     | 19.536      | 0.297  |
| 338      | 50       | Unbiased            | 18.759     | 19.208      | 0.449  |
| 339      | 50       | Unbiased            | 18.964     | 19.516      | 0.552  |
| 340      | 50       | Unbiased            | 18.943     | 19.568      | 0.625  |
| 341      | 50       | Unbiased            | 18.864     | 19.479      | 0.615  |
| 342      | 50       | Unbiased            | 18.941     | 19.543      | 0.602  |
| 343      | 100      | Bias                | 18.833     | 19.463      | 0.63   |
| 344      | 100      | Bias                | 18.972     | 19.594      | 0.622  |
| 345      | 100      | Bias                | 18.788     | 19.5        | 0.712  |
| 346      | 100      | Bias                | 19.282     | 20.02       | 0.738  |
| 347      | 100      | Bias                | 19.042     | 19.749      | 0.707  |
| 348      | 100      | Unbiased            | 18.919     | 19.959      | 1.04   |
| 349      | 100      | Unbiased            | 18.997     | 20.014      | 1.017  |
| 350      | 100      | Unbiased            | 18.987     | 20.133      | 1.146  |
| 351      | 100      | Unbiased            | 19.15      | 20.343      | 1.193  |
| 352      | 100      | Unbiased            | 18.734     | 19.806      | 1.072  |

TID vs Post - Pre Exposure Delta



Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 18.602           | 18.897           | 19.11            | 0.2639           | 18.533            | 18.814            | 19.042            | 0.25861           | -0.113    | -0.083333 | -0.068    | 0.025697  |
| 3        | 18.683           | 18.938           | 19.108           | 0.14763          | 18.717            | 18.967            | 19.149            | 0.14973           | -0.007    | 0.0286    | 0.056     | 0.017933  |
| 10       | 18.783           | 19.063           | 19.245           | 0.16067          | 18.887            | 19.137            | 19.315            | 0.15579           | 0.003     | 0.0739    | 0.193     | 0.050943  |
| 30       | 18.715           | 18.969           | 19.12            | 0.12923          | 18.917            | 19.188            | 19.415            | 0.15827           | 0.12      | 0.2191    | 0.338     | 0.084183  |
| 50       | 18.676           | 18.961           | 19.239           | 0.17687          | 18.907            | 19.386            | 19.568            | 0.20926           | 0.231     | 0.4245    | 0.625     | 0.16092   |
| 100      | 18.734           | 18.97            | 19.282           | 0.16537          | 19.463            | 19.858            | 20.343            | 0.28676           | 0.622     | 0.8877    | 1.193     | 0.22528   |

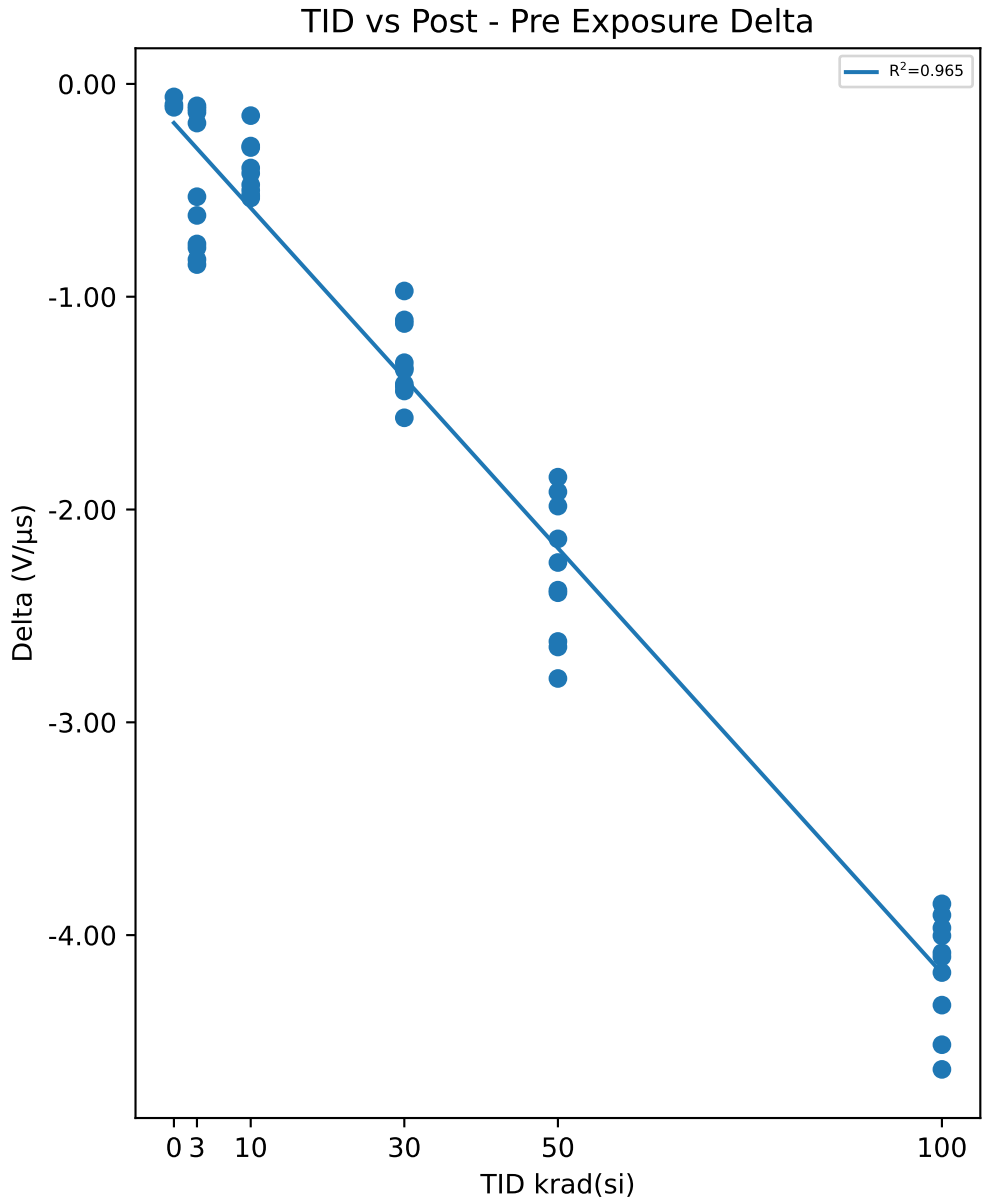
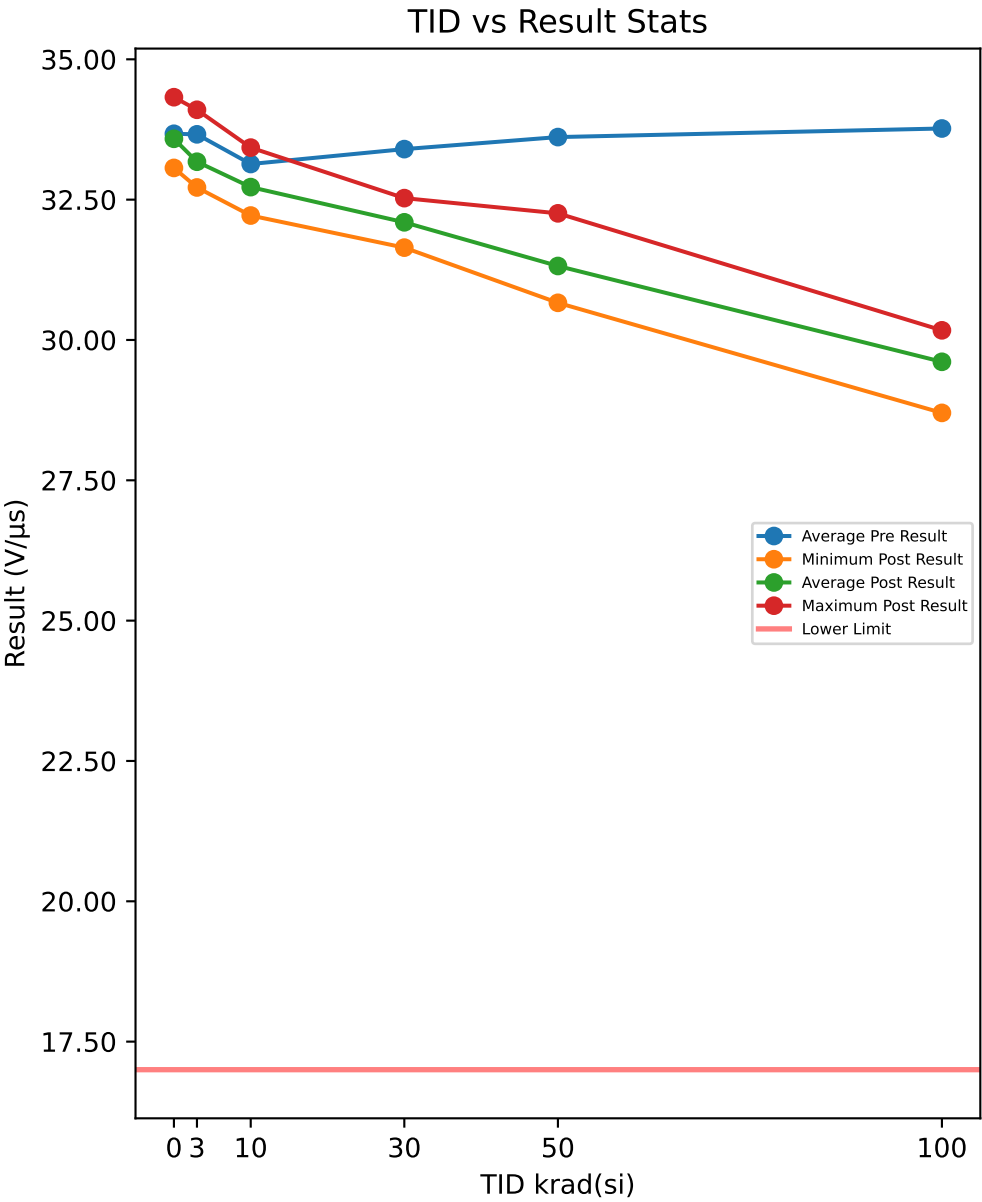


| Test Results (Lower Limit = 17.0 (V/μs)) |          |                     |            |             |        |
|------------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                      | 0        | Correlation         | 35.181     | 35.194      | 0.013  |
| 301                                      | 0        | Correlation         | 36.231     | 36.376      | 0.145  |
| 302                                      | 0        | Correlation         | 34.57      | 34.498      | -0.072 |
| 303                                      | 3        | Bias                | 35.397     | 34.916      | -0.481 |
| 304                                      | 3        | Bias                | 35.023     | 34.802      | -0.221 |
| 305                                      | 3        | Bias                | 35.132     | 34.683      | -0.449 |
| 306                                      | 3        | Bias                | 35.458     | 35.087      | -0.371 |
| 307                                      | 3        | Bias                | 34.945     | 34.492      | -0.453 |
| 308                                      | 3        | Unbiased            | 35.484     | 34.716      | -0.768 |
| 309                                      | 3        | Unbiased            | 34.893     | 35.08       | 0.187  |
| 310                                      | 3        | Unbiased            | 34.639     | 34.697      | 0.058  |
| 311                                      | 3        | Unbiased            | 36.096     | 35.848      | -0.248 |
| 312                                      | 3        | Unbiased            | 36.135     | 35.606      | -0.529 |
| 313                                      | 10       | Bias                | 34.829     | 34.589      | -0.24  |
| 314                                      | 10       | Bias                | 34.862     | 34.675      | -0.187 |
| 315                                      | 10       | Bias                | 34.608     | 34.264      | -0.344 |
| 316                                      | 10       | Bias                | 35.816     | 35.311      | -0.505 |
| 317                                      | 10       | Bias                | 34.469     | 34.327      | -0.142 |
| 318                                      | 10       | Unbiased            | 34.778     | 34.352      | -0.426 |
| 319                                      | 10       | Unbiased            | 34.507     | 34.299      | -0.208 |
| 320                                      | 10       | Unbiased            | 34.792     | 34.376      | -0.416 |
| 321                                      | 10       | Unbiased            | 34.466     | 34.317      | -0.149 |
| 322                                      | 10       | Unbiased            | 35.357     | 34.974      | -0.383 |
| 323                                      | 30       | Bias                | 34.741     | 34.153      | -0.588 |
| 324                                      | 30       | Bias                | 35.355     | 34.478      | -0.877 |
| 325                                      | 30       | Bias                | 34.508     | 33.654      | -0.854 |
| 326                                      | 30       | Bias                | 35.74      | 35.042      | -0.698 |
| 327                                      | 30       | Bias                | 34.918     | 34.106      | -0.812 |
| 328                                      | 30       | Unbiased            | 34.903     | 33.961      | -0.942 |
| 329                                      | 30       | Unbiased            | 34.988     | 33.92       | -1.068 |
| 330                                      | 30       | Unbiased            | 35.415     | 34.358      | -1.057 |
| 331                                      | 30       | Unbiased            | 34.788     | 33.628      | -1.16  |
| 332                                      | 30       | Unbiased            | 34.634     | 33.536      | -1.098 |
| 333                                      | 50       | Bias                | 35.387     | 34.792      | -0.595 |
| 334                                      | 50       | Bias                | 34.415     | 33.536      | -0.879 |
| 335                                      | 50       | Bias                | 34.627     | 33.759      | -0.868 |
| 336                                      | 50       | Bias                | 34.801     | 33.797      | -1.004 |
| 337                                      | 50       | Bias                | 34.3       | 33.069      | -1.231 |
| 338                                      | 50       | Unbiased            | 35.229     | 33.637      | -1.592 |
| 339                                      | 50       | Unbiased            | 35.73      | 33.116      | -2.614 |
| 340                                      | 50       | Unbiased            | 35.056     | 32.579      | -2.477 |
| 341                                      | 50       | Unbiased            | 36.017     | 33.119      | -2.898 |
| 342                                      | 50       | Unbiased            | 35.817     | 33.308      | -2.509 |
| 343                                      | 100      | Bias                | 35.676     | 32.931      | -2.745 |
| 344                                      | 100      | Bias                | 35.386     | 32.435      | -2.951 |
| 345                                      | 100      | Bias                | 35.953     | 33.089      | -2.864 |
| 346                                      | 100      | Bias                | 34.725     | 31.998      | -2.727 |
| 347                                      | 100      | Bias                | 35.174     | 32.2        | -2.974 |
| 348                                      | 100      | Unbiased            | 35.582     | 31.639      | -3.943 |
| 349                                      | 100      | Unbiased            | 35.407     | 31.642      | -3.765 |
| 350                                      | 100      | Unbiased            | 35.782     | 31.602      | -4.18  |
| 351                                      | 100      | Unbiased            | 34.955     | 30.7        | -4.255 |
| 352                                      | 100      | Unbiased            | 35.933     | 31.918      | -4.015 |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 34.57            | 35.327           | 36.231           | 0.84011          | 34.498            | 35.356            | 36.376            | 0.94942           | -0.072    | 0.028667  | 0.145     | 0.10935   |
| 3        | 34.639           | 35.32            | 36.135           | 0.49761          | 34.492            | 34.993            | 35.848            | 0.43167           | -0.768    | -0.3275   | 0.187     | 0.28316   |
| 10       | 34.466           | 34.848           | 35.816           | 0.43052          | 34.264            | 34.548            | 35.311            | 0.3487            | -0.505    | -0.3      | -0.142    | 0.13029   |
| 30       | 34.508           | 34.999           | 35.74            | 0.38732          | 33.536            | 34.084            | 35.042            | 0.45807           | -1.16     | -0.9154   | -0.588    | 0.18487   |
| 50       | 34.3             | 35.138           | 36.017           | 0.60192          | 32.579            | 33.471            | 34.792            | 0.59627           | -2.898    | -1.6667   | -0.595    | 0.87057   |
| 100      | 34.725           | 35.457           | 35.953           | 0.41059          | 30.7              | 32.015            | 33.089            | 0.69866           | -4.255    | -3.4419   | -2.727    | 0.63949   |

Device Test: 19.1 ; RESET\_SLEW\_RATE\_RISE

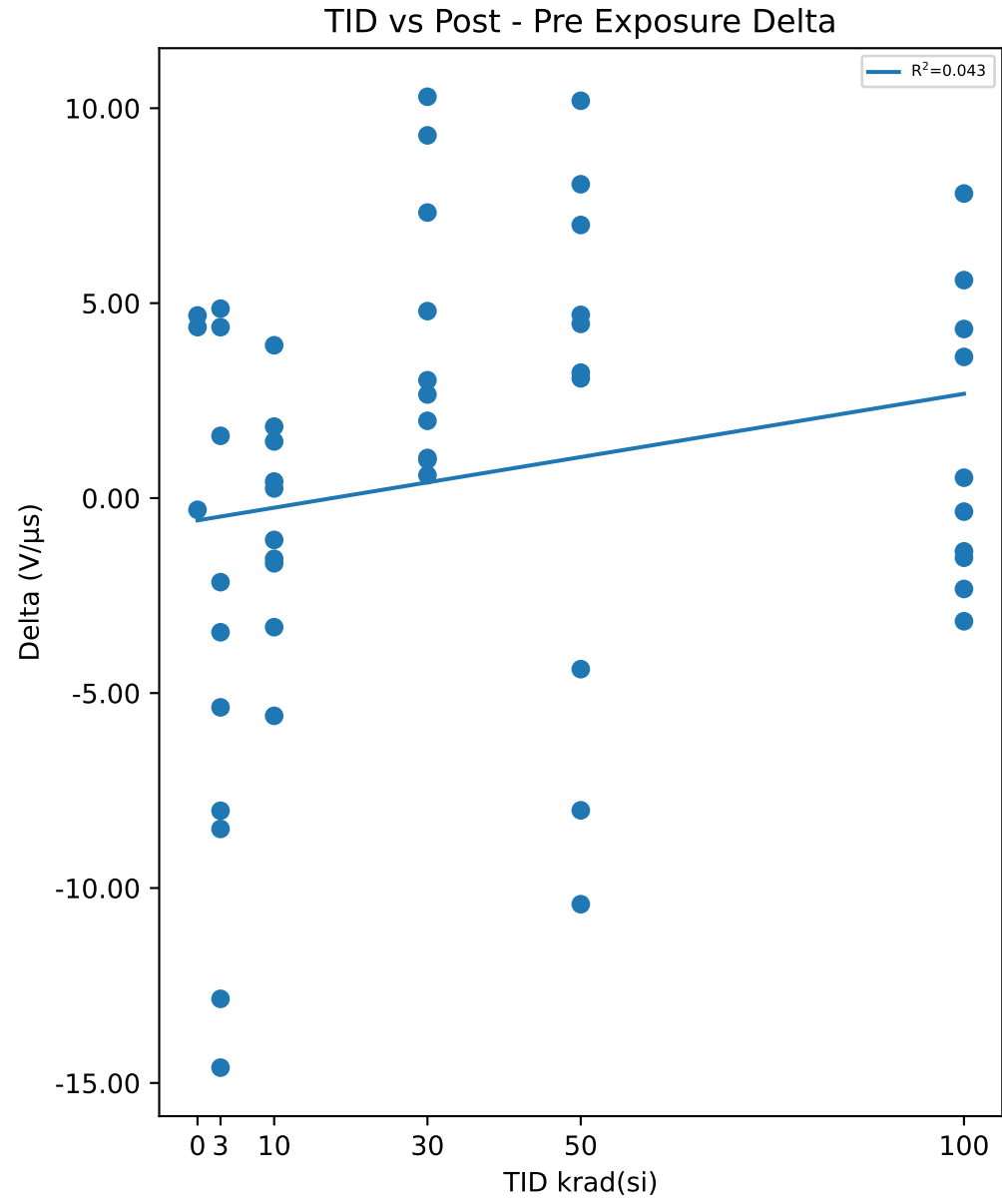
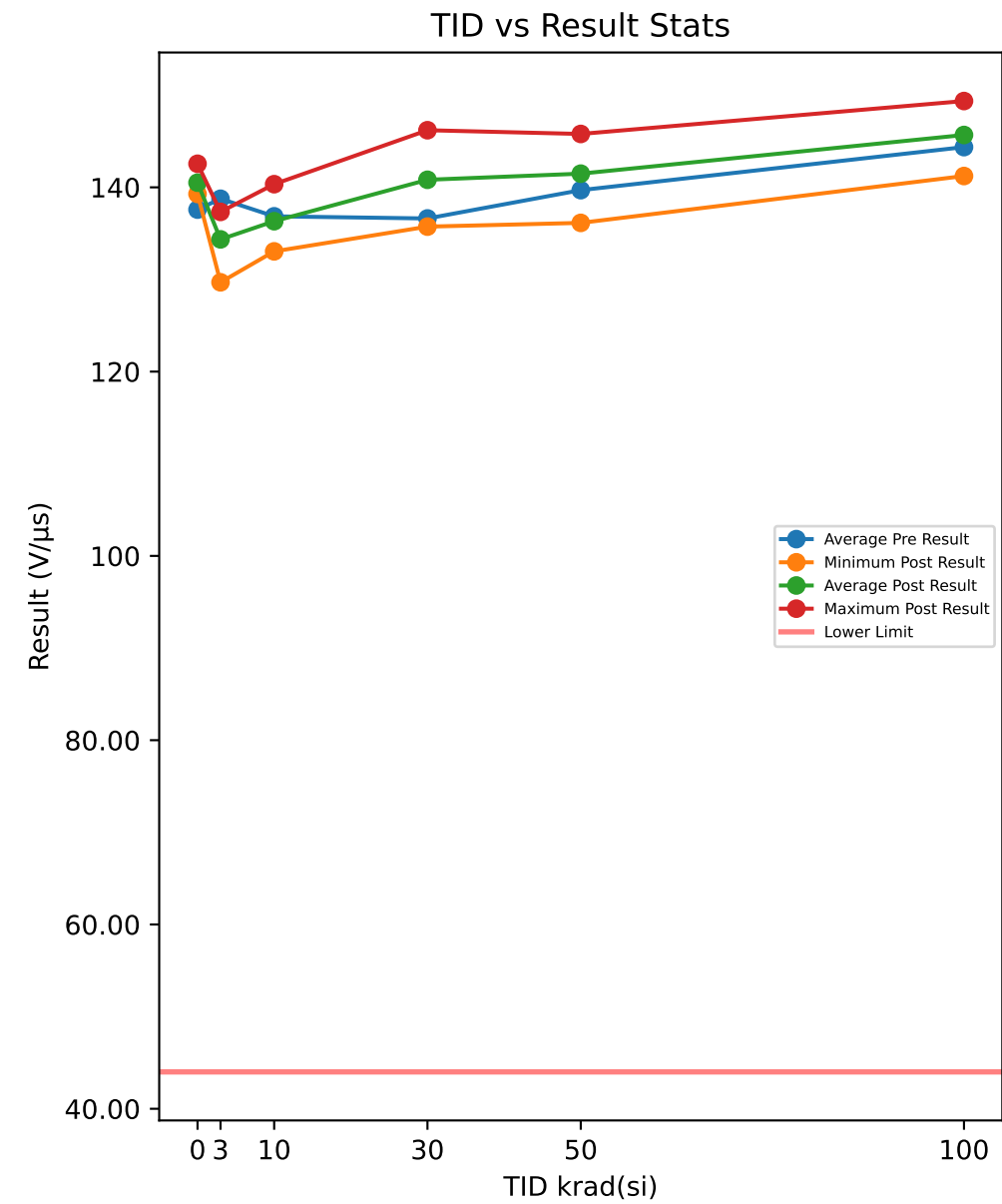


| Test Results (Lower Limit = 17.0 (V/μs)) |          |                     |            |             |        |
|------------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                      | 0        | Correlation         | 33.459     | 33.362      | -0.097 |
| 301                                      | 0        | Correlation         | 34.435     | 34.325      | -0.11  |
| 302                                      | 0        | Correlation         | 33.126     | 33.065      | -0.061 |
| 303                                      | 3        | Bias                | 33.566     | 32.717      | -0.849 |
| 304                                      | 3        | Bias                | 33.548     | 32.778      | -0.77  |
| 305                                      | 3        | Bias                | 33.683     | 33.153      | -0.53  |
| 306                                      | 3        | Bias                | 33.709     | 33.091      | -0.618 |
| 307                                      | 3        | Bias                | 33.533     | 32.781      | -0.752 |
| 308                                      | 3        | Unbiased            | 33.774     | 32.949      | -0.825 |
| 309                                      | 3        | Unbiased            | 33.263     | 33.13       | -0.133 |
| 310                                      | 3        | Unbiased            | 33.166     | 32.982      | -0.184 |
| 311                                      | 3        | Unbiased            | 34.218     | 34.101      | -0.117 |
| 312                                      | 3        | Unbiased            | 34.175     | 34.072      | -0.103 |
| 313                                      | 10       | Bias                | 33.106     | 32.814      | -0.292 |
| 314                                      | 10       | Bias                | 33.221     | 32.801      | -0.42  |
| 315                                      | 10       | Bias                | 32.691     | 32.217      | -0.474 |
| 316                                      | 10       | Bias                | 33.95      | 33.427      | -0.523 |
| 317                                      | 10       | Bias                | 32.79      | 32.395      | -0.395 |
| 318                                      | 10       | Unbiased            | 33.135     | 32.986      | -0.149 |
| 319                                      | 10       | Unbiased            | 32.949     | 32.421      | -0.528 |
| 320                                      | 10       | Unbiased            | 32.99      | 32.691      | -0.299 |
| 321                                      | 10       | Unbiased            | 33.127     | 32.627      | -0.5   |
| 322                                      | 10       | Unbiased            | 33.39      | 32.854      | -0.536 |
| 323                                      | 30       | Bias                | 33.055     | 31.745      | -1.31  |
| 324                                      | 30       | Bias                | 33.838     | 32.504      | -1.334 |
| 325                                      | 30       | Bias                | 32.989     | 31.645      | -1.344 |
| 326                                      | 30       | Bias                | 33.863     | 32.441      | -1.422 |
| 327                                      | 30       | Bias                | 33.125     | 31.715      | -1.41  |
| 328                                      | 30       | Unbiased            | 33.573     | 32.447      | -1.126 |
| 329                                      | 30       | Unbiased            | 33.184     | 32.211      | -0.973 |
| 330                                      | 30       | Unbiased            | 33.97      | 32.527      | -1.443 |
| 331                                      | 30       | Unbiased            | 33.516     | 31.947      | -1.569 |
| 332                                      | 30       | Unbiased            | 32.889     | 31.78       | -1.109 |
| 333                                      | 50       | Bias                | 34.24      | 32.256      | -1.984 |
| 334                                      | 50       | Bias                | 33.271     | 31.354      | -1.917 |
| 335                                      | 50       | Bias                | 33.126     | 30.735      | -2.391 |
| 336                                      | 50       | Bias                | 33.273     | 31.024      | -2.249 |
| 337                                      | 50       | Bias                | 32.8       | 30.662      | -2.138 |
| 338                                      | 50       | Unbiased            | 34.06      | 32.212      | -1.848 |
| 339                                      | 50       | Unbiased            | 33.648     | 31.269      | -2.379 |
| 340                                      | 50       | Unbiased            | 33.82      | 31.026      | -2.794 |
| 341                                      | 50       | Unbiased            | 34.008     | 31.362      | -2.646 |
| 342                                      | 50       | Unbiased            | 33.9       | 31.28       | -2.62  |
| 343                                      | 100      | Bias                | 33.966     | 30.06       | -3.906 |
| 344                                      | 100      | Bias                | 33.927     | 29.598      | -4.329 |
| 345                                      | 100      | Bias                | 34.301     | 29.67       | -4.631 |
| 346                                      | 100      | Bias                | 32.803     | 28.701      | -4.102 |
| 347                                      | 100      | Bias                | 33.29      | 29.207      | -4.083 |
| 348                                      | 100      | Unbiased            | 33.936     | 29.933      | -4.003 |
| 349                                      | 100      | Unbiased            | 33.84      | 29.987      | -3.853 |
| 350                                      | 100      | Unbiased            | 34.021     | 29.506      | -4.515 |
| 351                                      | 100      | Unbiased            | 33.453     | 29.277      | -4.176 |
| 352                                      | 100      | Unbiased            | 34.138     | 30.172      | -3.966 |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 33.126           | 33.673           | 34.435           | 0.68031          | 33.065            | 33.584            | 34.325            | 0.65868           | -0.11     | -0.089333 | -0.061    | 0.025384  |
| 3        | 33.166           | 33.663           | 34.218           | 0.33855          | 32.717            | 33.175            | 34.101            | 0.50361           | -0.849    | -0.4881   | -0.103    | 0.31904   |
| 10       | 32.691           | 33.135           | 33.95            | 0.35108          | 32.217            | 32.723            | 33.427            | 0.34341           | -0.536    | -0.4116   | -0.149    | 0.12885   |
| 30       | 32.889           | 33.4             | 33.97            | 0.40081          | 31.645            | 32.096            | 32.527            | 0.36538           | -1.569    | -1.304    | -0.973    | 0.18151   |
| 50       | 32.8             | 33.615           | 34.24            | 0.47212          | 30.662            | 31.318            | 32.256            | 0.54038           | -2.794    | -2.2966   | -1.848    | 0.32664   |
| 100      | 32.803           | 33.767           | 34.301           | 0.45238          | 28.701            | 29.611            | 30.172            | 0.45691           | -4.631    | -4.1564   | -3.853    | 0.25968   |

Device Test: 19.10 ; PWRGD\_SLEW\_RATE\_FALL



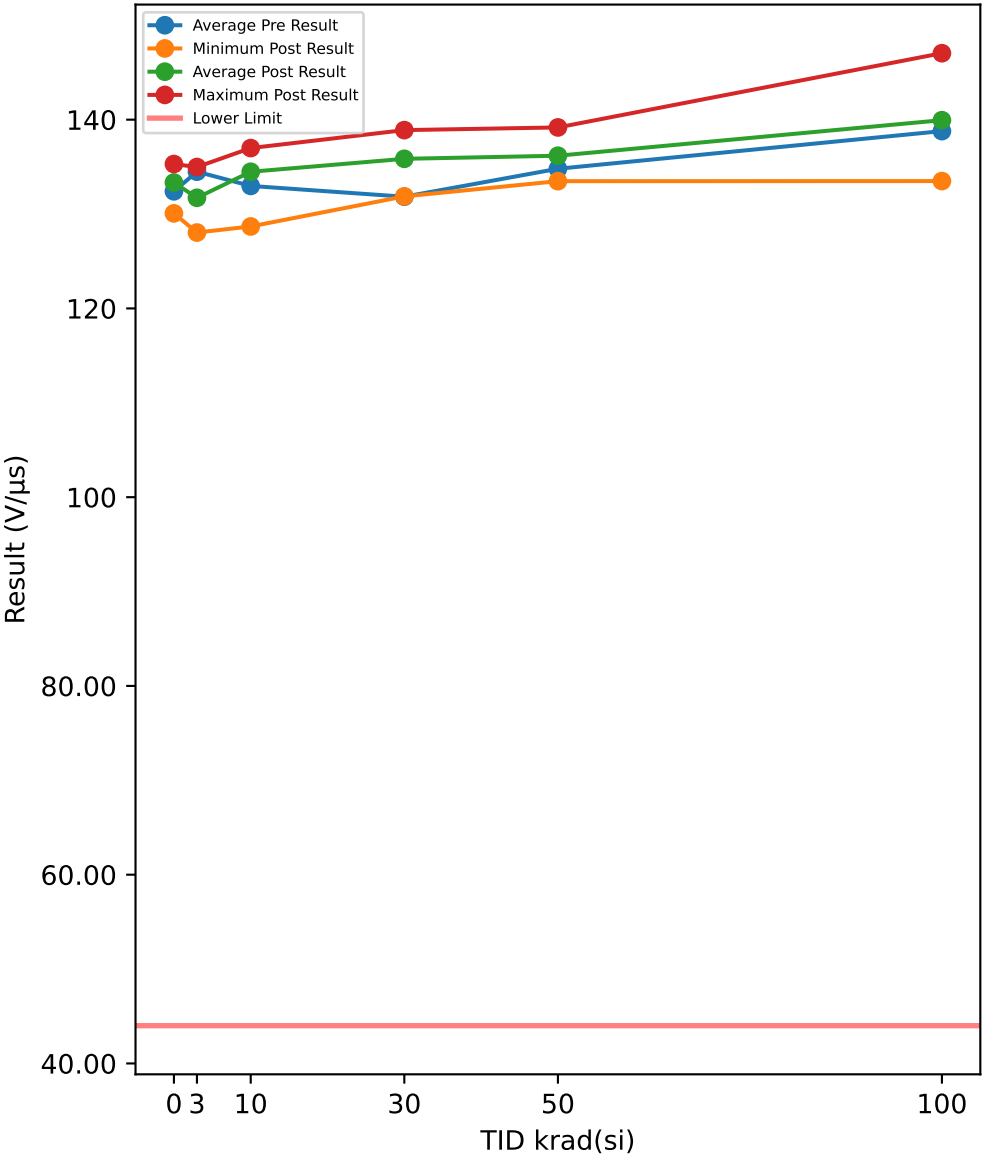
| Test Results (Lower Limit = 44.0 (V/μs)) |          |                     |            |             |         |
|------------------------------------------|----------|---------------------|------------|-------------|---------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta   |
| 300                                      | 0        | Correlation         | 134.99     | 139.67      | 4.684   |
| 301                                      | 0        | Correlation         | 138.17     | 142.56      | 4.385   |
| 302                                      | 0        | Correlation         | 139.59     | 139.28      | -0.3    |
| 303                                      | 3        | Bias                | 145.82     | 137.33      | -8.484  |
| 304                                      | 3        | Bias                | 138.25     | 132.88      | -5.367  |
| 305                                      | 3        | Bias                | 147.35     | 134.51      | -12.842 |
| 306                                      | 3        | Bias                | 140.63     | 137.19      | -3.44   |
| 307                                      | 3        | Bias                | 137.71     | 129.69      | -8.018  |
| 308                                      | 3        | Unbiased            | 148.06     | 133.45      | -14.606 |
| 309                                      | 3        | Unbiased            | 130.46     | 134.85      | 4.384   |
| 310                                      | 3        | Unbiased            | 133.47     | 131.31      | -2.155  |
| 311                                      | 3        | Unbiased            | 133.53     | 135.13      | 1.597   |
| 312                                      | 3        | Unbiased            | 132.32     | 137.18      | 4.859   |
| 313                                      | 10       | Bias                | 133.46     | 135.3       | 1.834   |
| 314                                      | 10       | Bias                | 137.01     | 135.34      | -1.672  |
| 315                                      | 10       | Bias                | 140.2      | 138.64      | -1.557  |
| 316                                      | 10       | Bias                | 139.68     | 140.1       | 0.425   |
| 317                                      | 10       | Bias                | 133.25     | 134.7       | 1.453   |
| 318                                      | 10       | Unbiased            | 138.93     | 133.34      | -5.584  |
| 319                                      | 10       | Unbiased            | 136.36     | 133.05      | -3.31   |
| 320                                      | 10       | Unbiased            | 136.42     | 140.34      | 3.92    |
| 321                                      | 10       | Unbiased            | 136.48     | 136.73      | 0.248   |
| 322                                      | 10       | Unbiased            | 136.75     | 135.68      | -1.072  |
| 323                                      | 30       | Bias                | 128.41     | 135.74      | 7.324   |
| 324                                      | 30       | Bias                | 138.07     | 140.06      | 1.982   |
| 325                                      | 30       | Bias                | 137.66     | 140.32      | 2.657   |
| 326                                      | 30       | Bias                | 140.93     | 141.51      | 0.587   |
| 327                                      | 30       | Bias                | 136.9      | 146.2       | 9.303   |
| 328                                      | 30       | Unbiased            | 140.75     | 141.78      | 1.029   |
| 329                                      | 30       | Unbiased            | 136.98     | 137.96      | 0.985   |
| 330                                      | 30       | Unbiased            | 137.03     | 141.83      | 4.796   |
| 331                                      | 30       | Unbiased            | 135.46     | 145.75      | 10.294  |
| 332                                      | 30       | Unbiased            | 134.02     | 137.04      | 3.023   |
| 333                                      | 50       | Bias                | 135.31     | 143.36      | 8.05    |
| 334                                      | 50       | Bias                | 138.05     | 142.75      | 4.7     |
| 335                                      | 50       | Bias                | 134.08     | 144.27      | 10.191  |
| 336                                      | 50       | Bias                | 137.54     | 140.61      | 3.072   |
| 337                                      | 50       | Bias                | 138.79     | 145.79      | 7.005   |
| 338                                      | 50       | Unbiased            | 132.92     | 136.14      | 3.218   |
| 339                                      | 50       | Unbiased            | 154.05     | 143.63      | -10.415 |
| 340                                      | 50       | Unbiased            | 133.79     | 138.26      | 4.469   |
| 341                                      | 50       | Unbiased            | 145.44     | 137.43      | -8.007  |
| 342                                      | 50       | Unbiased            | 146.97     | 142.59      | -4.386  |
| 343                                      | 100      | Bias                | 148.62     | 148.27      | -0.347  |
| 344                                      | 100      | Bias                | 146.4      | 146.93      | 0.523   |
| 345                                      | 100      | Bias                | 148.9      | 147.53      | -1.366  |
| 346                                      | 100      | Bias                | 144.97     | 141.81      | -3.158  |
| 347                                      | 100      | Bias                | 150.89     | 149.37      | -1.529  |
| 348                                      | 100      | Unbiased            | 138.98     | 146.79      | 7.812   |
| 349                                      | 100      | Unbiased            | 138.4      | 143.99      | 5.591   |
| 350                                      | 100      | Unbiased            | 142.44     | 146.78      | 4.337   |
| 351                                      | 100      | Unbiased            | 137.61     | 141.23      | 3.621   |
| 352                                      | 100      | Unbiased            | 146.45     | 144.12      | -2.33   |

Test Statistics (V/μs)

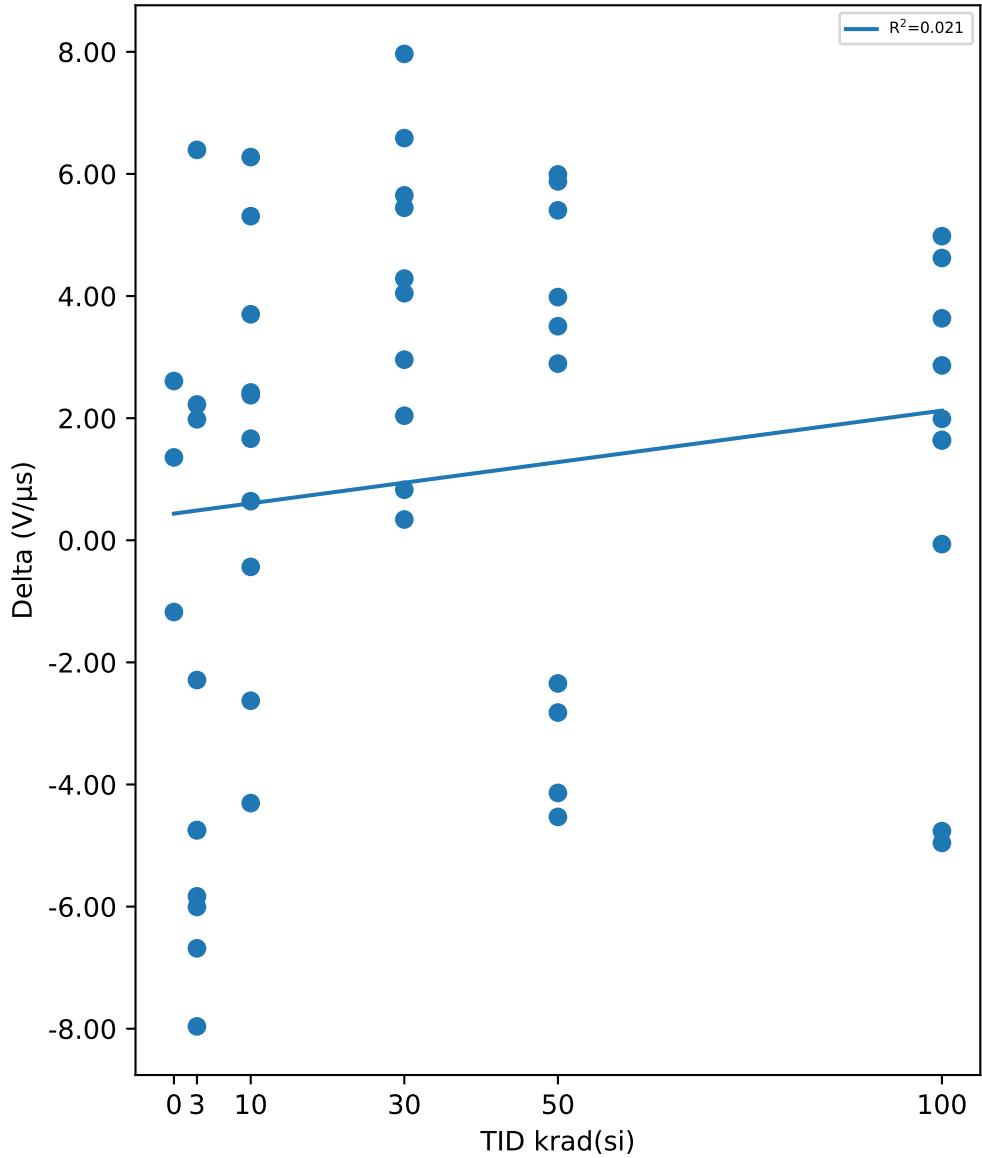
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 134.99           | 137.58           | 139.59           | 2.3537           | 139.28            | 140.51            | 142.56            | 1.788             | -0.3      | 2.923     | 4.684     | 2.7952    |
| 3        | 130.46           | 138.76           | 148.06           | 6.5033           | 129.69            | 134.35            | 137.33            | 2.5758            | -14.606   | -4.4072   | 4.859     | 6.7573    |
| 10       | 133.25           | 136.85           | 140.2            | 2.3225           | 133.05            | 136.32            | 140.34            | 2.5951            | -5.584    | -0.5315   | 3.92      | 2.7237    |
| 30       | 128.41           | 136.62           | 140.93           | 3.57             | 135.74            | 140.82            | 146.2             | 3.4116            | 0.587     | 4.198     | 10.294    | 3.5812    |
| 50       | 132.92           | 139.69           | 154.05           | 6.9247           | 136.14            | 141.48            | 145.79            | 3.2208            | -10.415   | 1.7897    | 10.191    | 6.9871    |
| 100      | 137.61           | 144.37           | 150.89           | 4.7626           | 141.23            | 145.68            | 149.37            | 2.7461            | -3.158    | 1.3154    | 7.812     | 3.7551    |

Device Test: 19.11 ; WDO\_SLEW\_RATE\_FALL

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 44.0 (V/μs))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 131.25     | 130.07      | -1.175 |
| 301      | 0        | Correlation         | 133.94     | 135.3       | 1.357  |
| 302      | 0        | Correlation         | 132.04     | 134.64      | 2.608  |
| 303      | 3        | Bias                | 135.68     | 129.68      | -6.006 |
| 304      | 3        | Bias                | 135.08     | 129.25      | -5.832 |
| 305      | 3        | Bias                | 137.64     | 132.9       | -4.747 |
| 306      | 3        | Bias                | 141.44     | 134.76      | -6.683 |
| 307      | 3        | Bias                | 132.79     | 128.04      | -4.75  |
| 308      | 3        | Unbiased            | 137.6      | 129.64      | -7.962 |
| 309      | 3        | Unbiased            | 132.63     | 130.34      | -2.289 |
| 310      | 3        | Unbiased            | 127.99     | 134.38      | 6.394  |
| 311      | 3        | Unbiased            | 132.76     | 134.98      | 2.224  |
| 312      | 3        | Unbiased            | 131.28     | 133.26      | 1.981  |
| 313      | 10       | Bias                | 134.14     | 134.78      | 0.64   |
| 314      | 10       | Bias                | 131.22     | 136.53      | 5.308  |
| 315      | 10       | Bias                | 134.25     | 136.63      | 2.376  |
| 316      | 10       | Bias                | 134.57     | 136.99      | 2.421  |
| 317      | 10       | Bias                | 134.92     | 136.59      | 1.664  |
| 318      | 10       | Unbiased            | 132.72     | 132.28      | -0.436 |
| 319      | 10       | Unbiased            | 129.39     | 133.09      | 3.701  |
| 320      | 10       | Unbiased            | 129.88     | 136.16      | 6.276  |
| 321      | 10       | Unbiased            | 137.38     | 133.08      | -4.305 |
| 322      | 10       | Unbiased            | 131.31     | 128.69      | -2.628 |
| 323      | 30       | Bias                | 130.66     | 133.62      | 2.958  |
| 324      | 30       | Bias                | 129.9      | 133.95      | 4.046  |
| 325      | 30       | Bias                | 130.92     | 138.88      | 7.966  |
| 326      | 30       | Bias                | 132.41     | 134.45      | 2.04   |
| 327      | 30       | Bias                | 132.31     | 138.89      | 6.587  |
| 328      | 30       | Unbiased            | 133.34     | 137.63      | 4.286  |
| 329      | 30       | Unbiased            | 132.22     | 137.87      | 5.649  |
| 330      | 30       | Unbiased            | 135.71     | 136.54      | 0.828  |
| 331      | 30       | Unbiased            | 131.53     | 131.87      | 0.34   |
| 332      | 30       | Unbiased            | 129.37     | 134.82      | 5.446  |
| 333      | 50       | Bias                | 133.19     | 139.18      | 5.992  |
| 334      | 50       | Bias                | 134.46     | 137.35      | 2.894  |
| 335      | 50       | Bias                | 131.38     | 134.89      | 3.506  |
| 336      | 50       | Bias                | 131.15     | 137.03      | 5.878  |
| 337      | 50       | Bias                | 132.98     | 138.38      | 5.404  |
| 338      | 50       | Unbiased            | 129.71     | 133.69      | 3.983  |
| 339      | 50       | Unbiased            | 139.6      | 136.78      | -2.822 |
| 340      | 50       | Unbiased            | 138.01     | 133.48      | -4.531 |
| 341      | 50       | Unbiased            | 139.12     | 134.98      | -4.138 |
| 342      | 50       | Unbiased            | 138.38     | 136.04      | -2.345 |
| 343      | 100      | Bias                | 146.65     | 141.69      | -4.957 |
| 344      | 100      | Bias                | 136.34     | 139.2       | 2.864  |
| 345      | 100      | Bias                | 135.65     | 139.29      | 3.635  |
| 346      | 100      | Bias                | 139.69     | 141.32      | 1.633  |
| 347      | 100      | Bias                | 142.42     | 147.04      | 4.623  |
| 348      | 100      | Unbiased            | 135.84     | 137.83      | 1.989  |
| 349      | 100      | Unbiased            | 138.85     | 138.78      | -0.063 |
| 350      | 100      | Unbiased            | 133.96     | 138.94      | 4.981  |
| 351      | 100      | Unbiased            | 138.26     | 133.5       | -4.764 |
| 352      | 100      | Unbiased            | 140.22     | 141.87      | 1.644  |

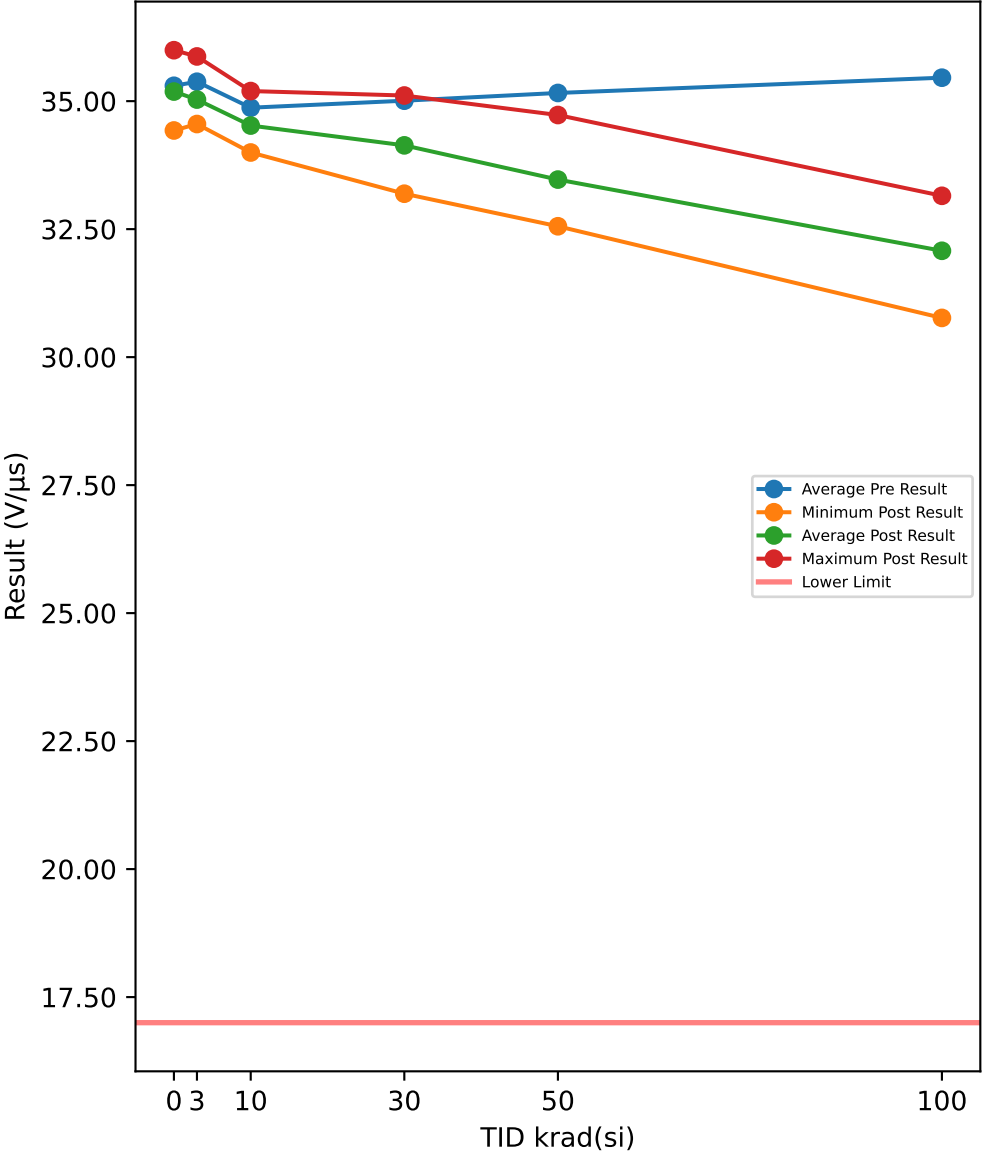
Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 131.25           | 132.41           | 133.94           | 1.3861           | 130.07            | 133.34            | 135.3             | 2.848             | -1.175    | 0.93      | 2.608     | 1.9273    |
| 3        | 127.99           | 134.49           | 141.44           | 3.8238           | 128.04            | 131.72            | 134.98            | 2.5983            | -7.962    | -2.767    | 6.394     | 4.7337    |
| 10       | 129.39           | 132.98           | 137.38           | 2.5186           | 128.69            | 134.48            | 136.99            | 2.6836            | -4.305    | 1.5017    | 6.276     | 3.317     |
| 30       | 129.37           | 131.84           | 135.71           | 1.8286           | 131.87            | 135.85            | 138.89            | 2.44              | 0.34      | 4.0146    | 7.966     | 2.4877    |
| 50       | 129.71           | 134.8            | 139.6            | 3.6795           | 133.48            | 136.18            | 139.18            | 1.911             | -4.531    | 1.3821    | 5.992     | 4.3231    |
| 100      | 133.96           | 138.79           | 146.65           | 3.7407           | 133.5             | 139.95            | 147.04            | 3.4708            | -4.957    | 1.1585    | 4.981     | 3.5083    |

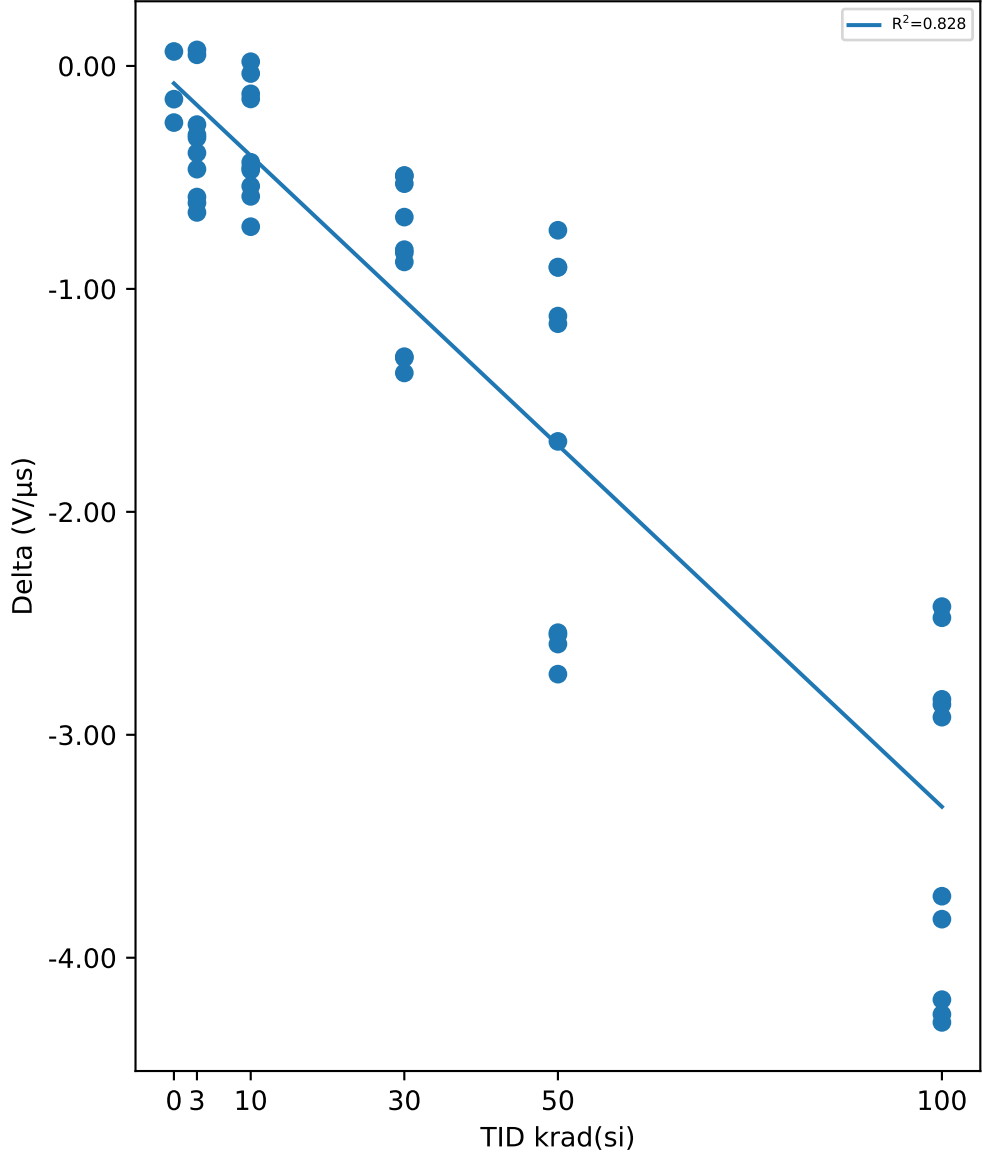


Device Test: 19.12 ; RESET\_SLEW\_RATE\_RISE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



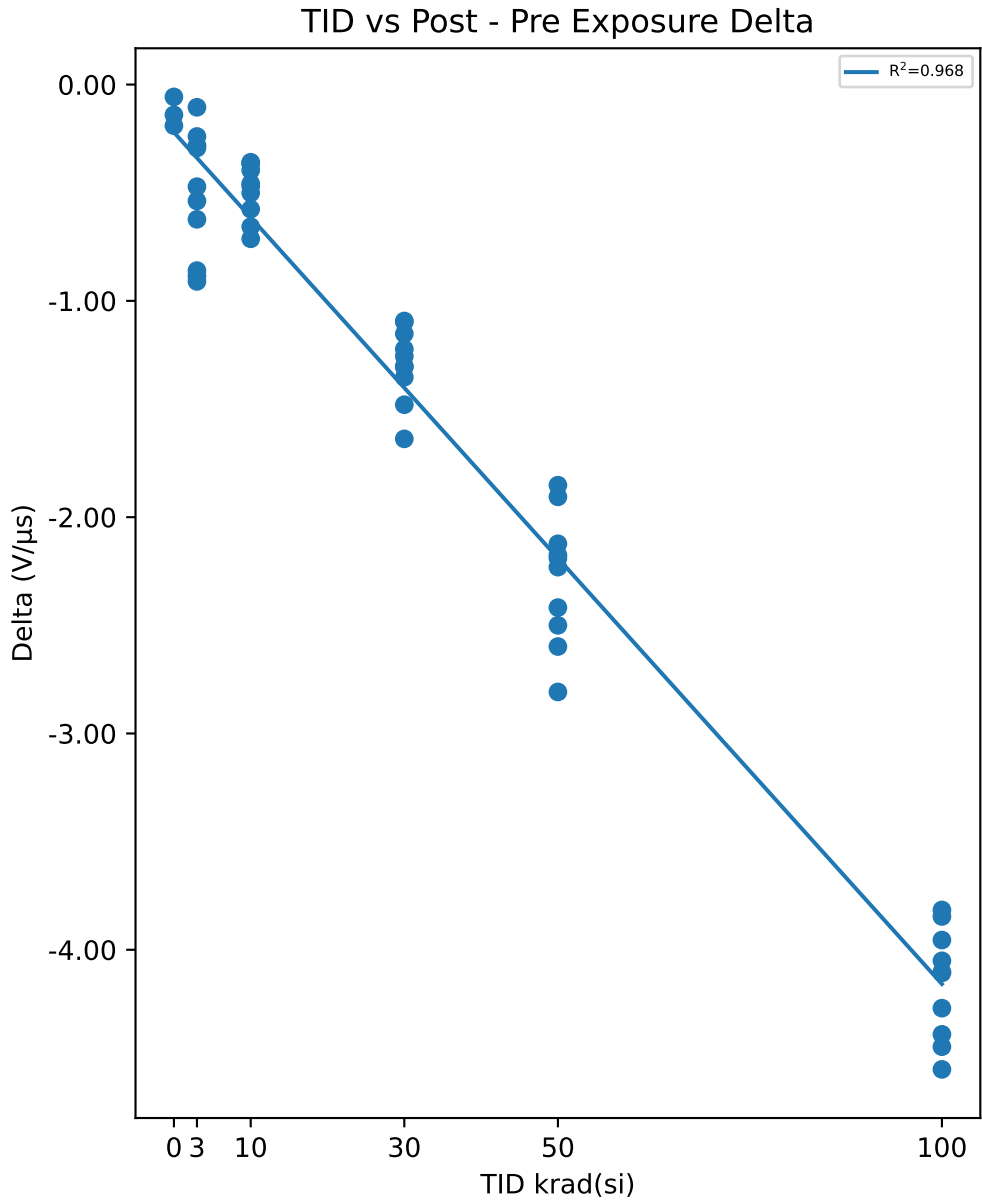
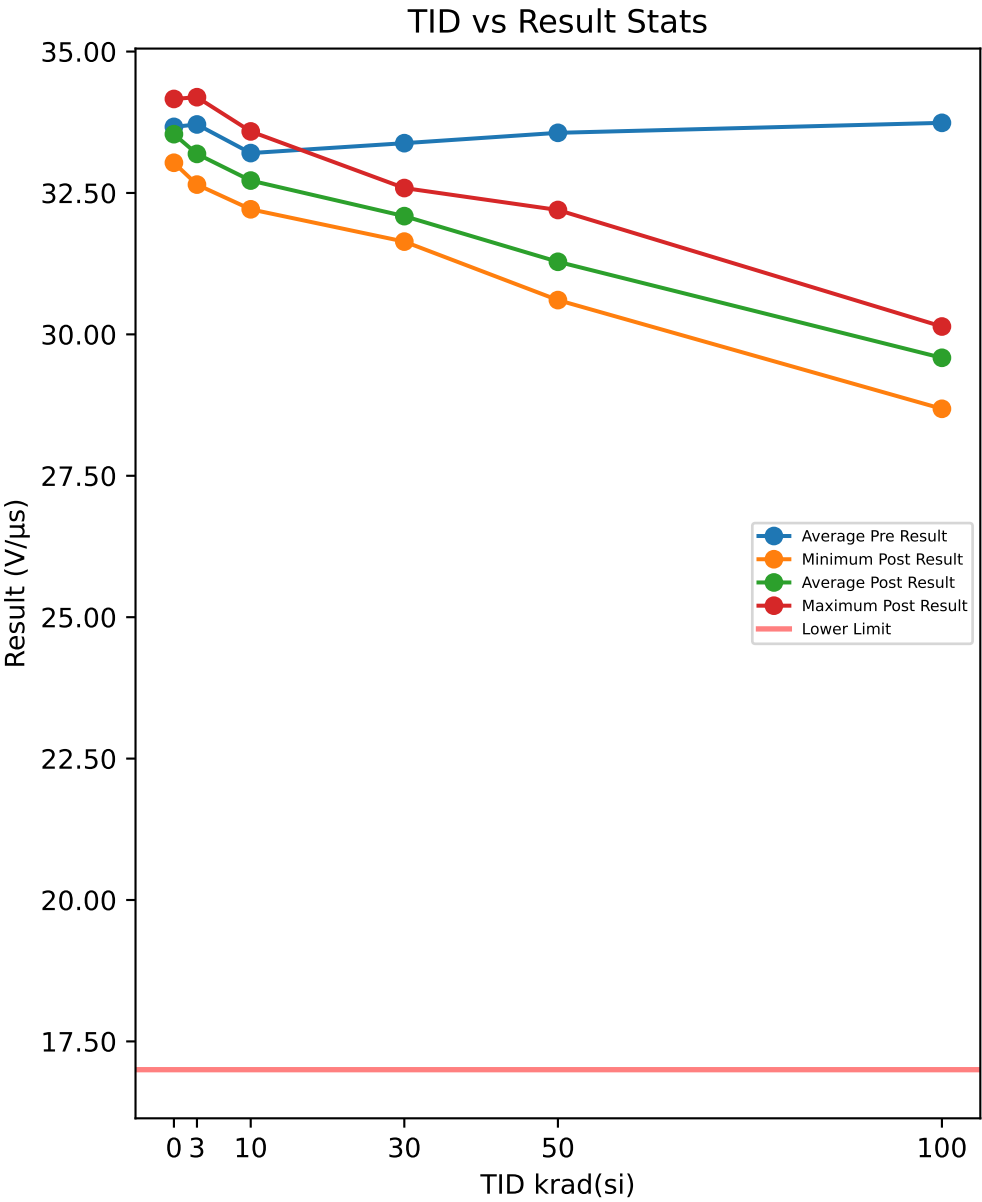
Test Results (Lower Limit = 17.0 (V/μs))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 35.075     | 35.14       | 0.065  |
| 301      | 0        | Correlation         | 36.144     | 35.995      | -0.149 |
| 302      | 0        | Correlation         | 34.681     | 34.427      | -0.254 |
| 303      | 3        | Bias                | 35.179     | 34.789      | -0.39  |
| 304      | 3        | Bias                | 35.387     | 34.799      | -0.588 |
| 305      | 3        | Bias                | 35.423     | 34.809      | -0.614 |
| 306      | 3        | Bias                | 35.546     | 35.083      | -0.463 |
| 307      | 3        | Bias                | 35.21      | 34.553      | -0.657 |
| 308      | 3        | Unbiased            | 35.375     | 35.112      | -0.263 |
| 309      | 3        | Unbiased            | 35.173     | 34.864      | -0.309 |
| 310      | 3        | Unbiased            | 34.536     | 34.586      | 0.05   |
| 311      | 3        | Unbiased            | 36.161     | 35.839      | -0.322 |
| 312      | 3        | Unbiased            | 35.801     | 35.873      | 0.072  |
| 313      | 10       | Bias                | 34.686     | 34.652      | -0.034 |
| 314      | 10       | Bias                | 34.896     | 34.748      | -0.148 |
| 315      | 10       | Bias                | 34.371     | 34.246      | -0.125 |
| 316      | 10       | Bias                | 35.653     | 35.197      | -0.456 |
| 317      | 10       | Bias                | 34.582     | 33.997      | -0.585 |
| 318      | 10       | Unbiased            | 34.84      | 34.408      | -0.432 |
| 319      | 10       | Unbiased            | 34.907     | 34.186      | -0.721 |
| 320      | 10       | Unbiased            | 34.785     | 34.318      | -0.467 |
| 321      | 10       | Unbiased            | 34.619     | 34.638      | 0.019  |
| 322      | 10       | Unbiased            | 35.381     | 34.842      | -0.539 |
| 323      | 30       | Bias                | 34.84      | 33.961      | -0.879 |
| 324      | 30       | Bias                | 35.126     | 34.598      | -0.528 |
| 325      | 30       | Bias                | 34.506     | 34.015      | -0.491 |
| 326      | 30       | Bias                | 35.788     | 35.11       | -0.678 |
| 327      | 30       | Bias                | 34.809     | 34.315      | -0.494 |
| 328      | 30       | Unbiased            | 35.358     | 33.981      | -1.377 |
| 329      | 30       | Unbiased            | 34.8       | 33.976      | -0.824 |
| 330      | 30       | Unbiased            | 35.567     | 34.258      | -1.309 |
| 331      | 30       | Unbiased            | 34.796     | 33.958      | -0.838 |
| 332      | 30       | Unbiased            | 34.496     | 33.192      | -1.304 |
| 333      | 50       | Bias                | 35.466     | 34.729      | -0.737 |
| 334      | 50       | Bias                | 34.481     | 33.579      | -0.902 |
| 335      | 50       | Bias                | 34.553     | 33.649      | -0.904 |
| 336      | 50       | Bias                | 34.894     | 33.738      | -1.156 |
| 337      | 50       | Bias                | 34.276     | 33.154      | -1.122 |
| 338      | 50       | Unbiased            | 35.374     | 33.69       | -1.684 |
| 339      | 50       | Unbiased            | 35.637     | 33.044      | -2.593 |
| 340      | 50       | Unbiased            | 35.107     | 32.556      | -2.551 |
| 341      | 50       | Unbiased            | 35.922     | 33.194      | -2.728 |
| 342      | 50       | Unbiased            | 35.888     | 33.346      | -2.542 |
| 343      | 100      | Bias                | 35.537     | 33.062      | -2.475 |
| 344      | 100      | Bias                | 35.157     | 32.732      | -2.425 |
| 345      | 100      | Bias                | 36.015     | 33.151      | -2.864 |
| 346      | 100      | Bias                | 34.822     | 31.901      | -2.921 |
| 347      | 100      | Bias                | 35.192     | 32.351      | -2.841 |
| 348      | 100      | Unbiased            | 35.494     | 31.77       | -3.724 |
| 349      | 100      | Unbiased            | 35.566     | 31.739      | -3.827 |
| 350      | 100      | Unbiased            | 35.631     | 31.443      | -4.188 |
| 351      | 100      | Unbiased            | 35.056     | 30.766      | -4.29  |
| 352      | 100      | Unbiased            | 36.11      | 31.856      | -4.254 |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 34.681           | 35.3             | 36.144           | 0.75701          | 34.427            | 35.187            | 35.995            | 0.78507           | -0.254    | -0.11267  | 0.065     | 0.16257   |
| 3        | 34.536           | 35.379           | 36.161           | 0.42703          | 34.553            | 35.031            | 35.873            | 0.46989           | -0.657    | -0.3484   | 0.072     | 0.25453   |
| 10       | 34.371           | 34.872           | 35.653           | 0.38197          | 33.997            | 34.523            | 35.197            | 0.35882           | -0.721    | -0.3488   | 0.019     | 0.25553   |
| 30       | 34.496           | 35.009           | 35.788           | 0.43811          | 33.192            | 34.136            | 35.11             | 0.49741           | -1.377    | -0.8722   | -0.491    | 0.34643   |
| 50       | 34.276           | 35.16            | 35.922           | 0.59274          | 32.556            | 33.468            | 34.729            | 0.57324           | -2.728    | -1.6919   | -0.737    | 0.82427   |
| 100      | 34.822           | 35.458           | 36.11            | 0.40987          | 30.766            | 32.077            | 33.151            | 0.74809           | -4.29     | -3.3809   | -2.425    | 0.74992   |

Device Test: 19.13 ; RESET\_SLEW\_RATE\_RISE

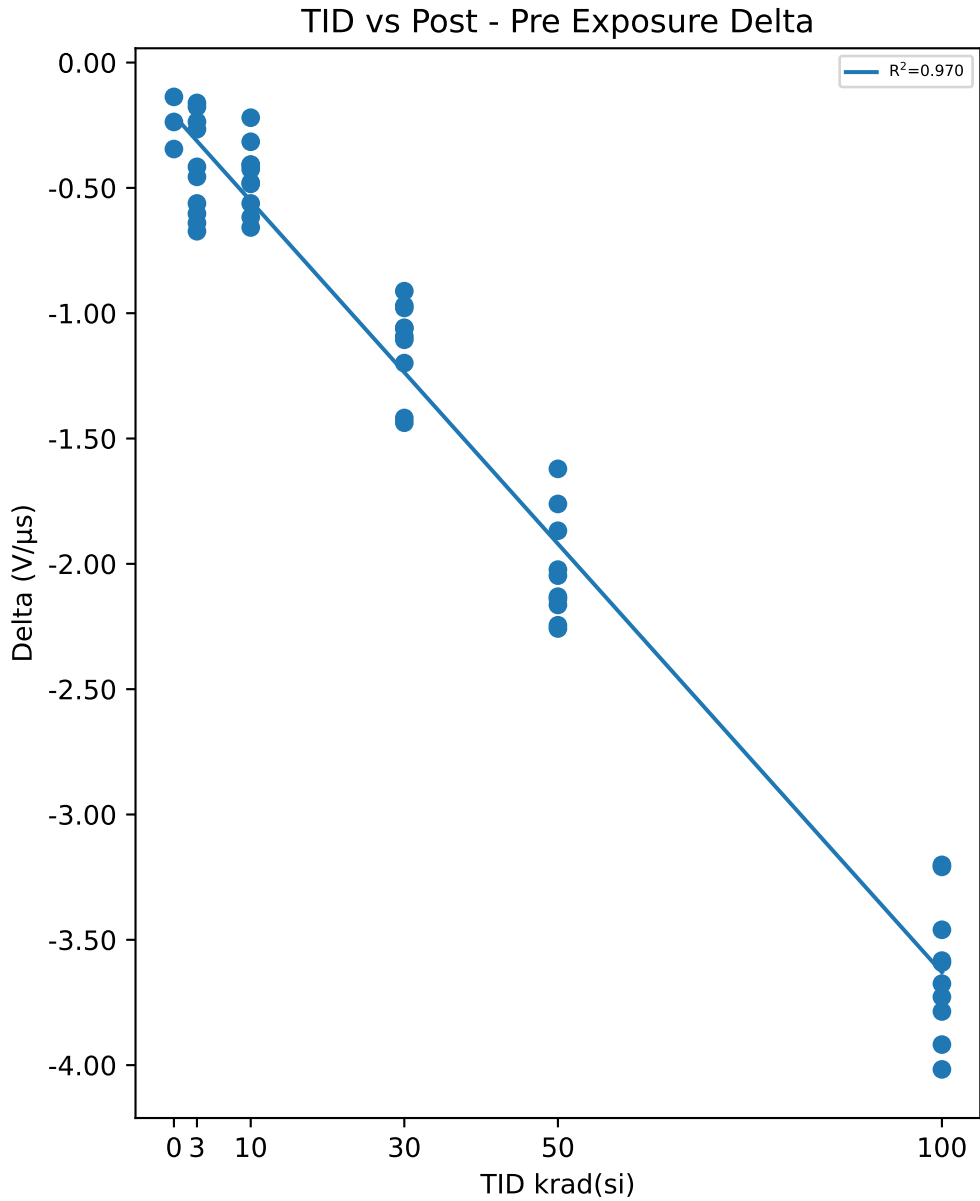
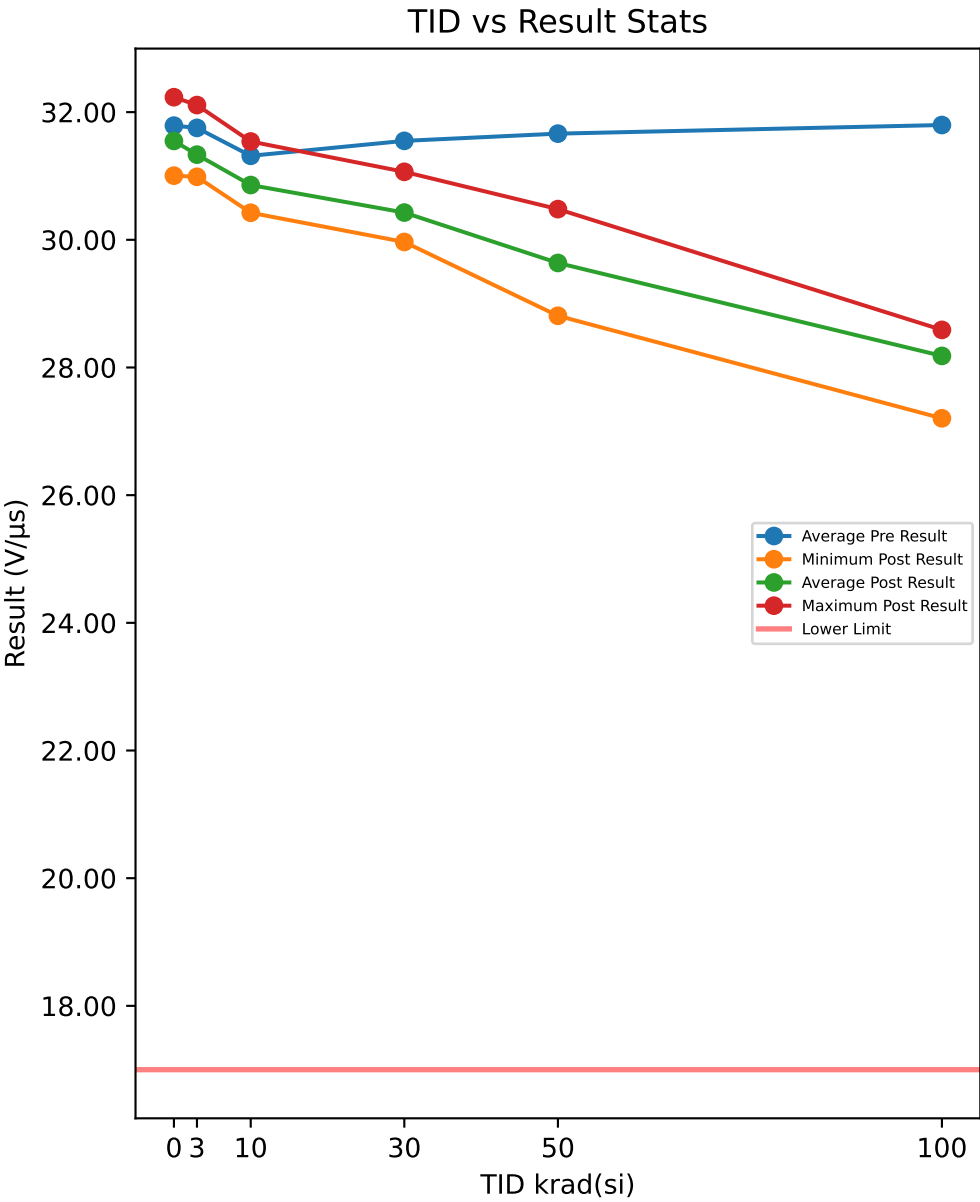


| Test Results (Lower Limit = 17.0 (V/μs)) |          |                     |            |             |        |
|------------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                      | 0        | Correlation         | 33.479     | 33.422      | -0.057 |
| 301                                      | 0        | Correlation         | 34.352     | 34.162      | -0.19  |
| 302                                      | 0        | Correlation         | 33.174     | 33.034      | -0.14  |
| 303                                      | 3        | Bias                | 33.454     | 32.916      | -0.538 |
| 304                                      | 3        | Bias                | 33.532     | 32.648      | -0.884 |
| 305                                      | 3        | Bias                | 33.71      | 33.238      | -0.472 |
| 306                                      | 3        | Bias                | 33.692     | 33.069      | -0.623 |
| 307                                      | 3        | Bias                | 33.655     | 32.745      | -0.91  |
| 308                                      | 3        | Unbiased            | 33.845     | 32.985      | -0.86  |
| 309                                      | 3        | Unbiased            | 33.372     | 33.132      | -0.24  |
| 310                                      | 3        | Unbiased            | 33.299     | 33.018      | -0.281 |
| 311                                      | 3        | Unbiased            | 34.298     | 34.193      | -0.105 |
| 312                                      | 3        | Unbiased            | 34.254     | 33.961      | -0.293 |
| 313                                      | 10       | Bias                | 33.366     | 32.653      | -0.713 |
| 314                                      | 10       | Bias                | 33.216     | 32.758      | -0.458 |
| 315                                      | 10       | Bias                | 32.787     | 32.211      | -0.576 |
| 316                                      | 10       | Bias                | 33.953     | 33.588      | -0.365 |
| 317                                      | 10       | Bias                | 32.854     | 32.458      | -0.396 |
| 318                                      | 10       | Unbiased            | 33.28      | 32.921      | -0.359 |
| 319                                      | 10       | Unbiased            | 32.921     | 32.452      | -0.469 |
| 320                                      | 10       | Unbiased            | 33.261     | 32.604      | -0.657 |
| 321                                      | 10       | Unbiased            | 33.136     | 32.771      | -0.365 |
| 322                                      | 10       | Unbiased            | 33.277     | 32.776      | -0.501 |
| 323                                      | 30       | Bias                | 33.14      | 31.787      | -1.353 |
| 324                                      | 30       | Bias                | 33.68      | 32.587      | -1.093 |
| 325                                      | 30       | Bias                | 32.946     | 31.64       | -1.306 |
| 326                                      | 30       | Bias                | 34.054     | 32.416      | -1.638 |
| 327                                      | 30       | Bias                | 33.01      | 31.708      | -1.302 |
| 328                                      | 30       | Unbiased            | 33.603     | 32.38       | -1.223 |
| 329                                      | 30       | Unbiased            | 33.255     | 32.103      | -1.152 |
| 330                                      | 30       | Unbiased            | 34.051     | 32.571      | -1.48  |
| 331                                      | 30       | Unbiased            | 33.083     | 31.986      | -1.097 |
| 332                                      | 30       | Unbiased            | 32.981     | 31.725      | -1.256 |
| 333                                      | 50       | Bias                | 34.105     | 32.199      | -1.906 |
| 334                                      | 50       | Bias                | 33.213     | 31.09       | -2.123 |
| 335                                      | 50       | Bias                | 32.861     | 30.686      | -2.175 |
| 336                                      | 50       | Bias                | 33.167     | 30.978      | -2.189 |
| 337                                      | 50       | Bias                | 32.837     | 30.606      | -2.231 |
| 338                                      | 50       | Unbiased            | 33.967     | 32.115      | -1.852 |
| 339                                      | 50       | Unbiased            | 33.838     | 31.42       | -2.418 |
| 340                                      | 50       | Unbiased            | 33.619     | 31.119      | -2.5   |
| 341                                      | 50       | Unbiased            | 34.08      | 31.272      | -2.808 |
| 342                                      | 50       | Unbiased            | 33.945     | 31.347      | -2.598 |
| 343                                      | 100      | Bias                | 34.14      | 30.033      | -4.107 |
| 344                                      | 100      | Bias                | 33.758     | 29.656      | -4.102 |
| 345                                      | 100      | Bias                | 34.032     | 29.584      | -4.448 |
| 346                                      | 100      | Bias                | 32.954     | 28.684      | -4.27  |
| 347                                      | 100      | Bias                | 33.165     | 29.21       | -3.955 |
| 348                                      | 100      | Unbiased            | 33.746     | 29.9        | -3.846 |
| 349                                      | 100      | Unbiased            | 33.772     | 29.956      | -3.816 |
| 350                                      | 100      | Unbiased            | 33.978     | 29.425      | -4.553 |
| 351                                      | 100      | Unbiased            | 33.662     | 29.271      | -4.391 |
| 352                                      | 100      | Unbiased            | 34.19      | 30.139      | -4.051 |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 33.174           | 33.668           | 34.352           | 0.6114           | 33.034            | 33.539            | 34.162            | 0.57308           | -0.19     | -0.129    | -0.057    | 0.067179  |
| 3        | 33.299           | 33.711           | 34.298           | 0.34053          | 32.648            | 33.191            | 34.193            | 0.50102           | -0.91     | -0.5206   | -0.105    | 0.29301   |
| 10       | 32.787           | 33.205           | 33.953           | 0.33046          | 32.211            | 32.719            | 33.588            | 0.36795           | -0.713    | -0.4859   | -0.359    | 0.12635   |
| 30       | 32.946           | 33.38            | 34.054           | 0.43335          | 31.64             | 32.09             | 32.587            | 0.37315           | -1.638    | -1.29     | -1.093    | 0.17072   |
| 50       | 32.837           | 33.563           | 34.105           | 0.49979          | 30.606            | 31.283            | 32.199            | 0.5298            | -2.808    | -2.28     | -1.852    | 0.30125   |
| 100      | 32.954           | 33.74            | 34.19            | 0.40281          | 28.684            | 29.586            | 30.139            | 0.45045           | -4.553    | -4.1539   | -3.816    | 0.25375   |

Device Test: 19.14 ; RESET\_SLEW\_RATE\_RISE



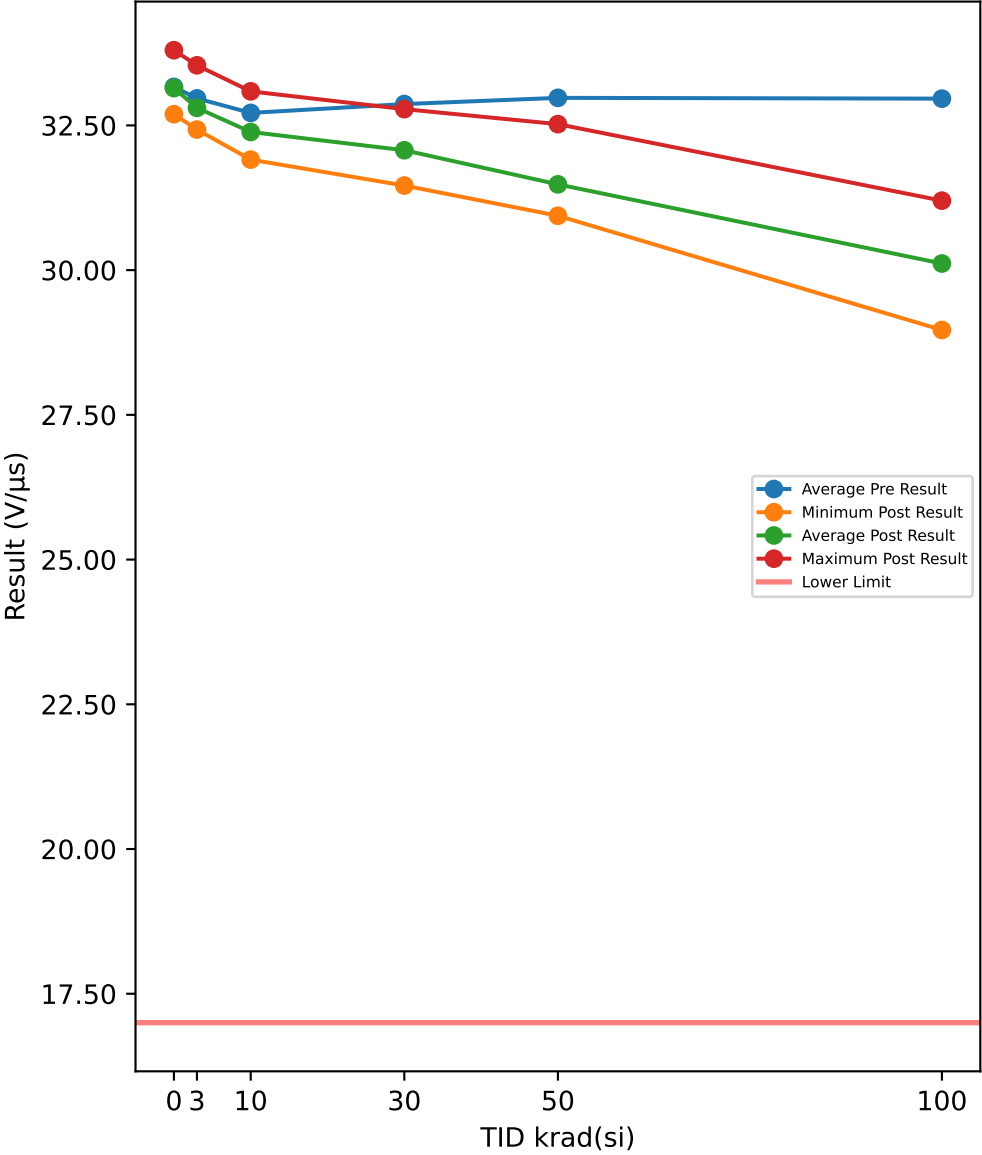
| Test Results (Lower Limit = 17.0 (V/μs)) |          |                     |            |             |        |
|------------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                      | 0        | Correlation         | 31.645     | 31.408      | -0.237 |
| 301                                      | 0        | Correlation         | 32.371     | 32.234      | -0.137 |
| 302                                      | 0        | Correlation         | 31.35      | 31.005      | -0.345 |
| 303                                      | 3        | Bias                | 31.62      | 31.058      | -0.562 |
| 304                                      | 3        | Bias                | 31.804     | 31.164      | -0.64  |
| 305                                      | 3        | Bias                | 31.871     | 31.268      | -0.603 |
| 306                                      | 3        | Bias                | 31.704     | 31.248      | -0.456 |
| 307                                      | 3        | Bias                | 31.66      | 30.987      | -0.673 |
| 308                                      | 3        | Unbiased            | 31.652     | 31.236      | -0.416 |
| 309                                      | 3        | Unbiased            | 31.443     | 31.282      | -0.161 |
| 310                                      | 3        | Unbiased            | 31.239     | 31.003      | -0.236 |
| 311                                      | 3        | Unbiased            | 32.161     | 31.984      | -0.177 |
| 312                                      | 3        | Unbiased            | 32.377     | 32.111      | -0.266 |
| 313                                      | 10       | Bias                | 31.489     | 30.831      | -0.658 |
| 314                                      | 10       | Bias                | 31.364     | 30.957      | -0.407 |
| 315                                      | 10       | Bias                | 30.925     | 30.609      | -0.316 |
| 316                                      | 10       | Bias                | 32.024     | 31.54       | -0.484 |
| 317                                      | 10       | Bias                | 31.041     | 30.424      | -0.617 |
| 318                                      | 10       | Unbiased            | 31.615     | 31.136      | -0.479 |
| 319                                      | 10       | Unbiased            | 30.987     | 30.767      | -0.22  |
| 320                                      | 10       | Unbiased            | 31.13      | 30.704      | -0.426 |
| 321                                      | 10       | Unbiased            | 31.133     | 30.725      | -0.408 |
| 322                                      | 10       | Unbiased            | 31.451     | 30.889      | -0.562 |
| 323                                      | 30       | Bias                | 31.42      | 30.362      | -1.058 |
| 324                                      | 30       | Bias                | 31.786     | 30.587      | -1.199 |
| 325                                      | 30       | Bias                | 31.475     | 30.038      | -1.437 |
| 326                                      | 30       | Bias                | 31.938     | 30.877      | -1.061 |
| 327                                      | 30       | Bias                | 31.384     | 29.966      | -1.418 |
| 328                                      | 30       | Unbiased            | 31.611     | 30.632      | -0.979 |
| 329                                      | 30       | Unbiased            | 31.444     | 30.352      | -1.092 |
| 330                                      | 30       | Unbiased            | 32.035     | 31.065      | -0.97  |
| 331                                      | 30       | Unbiased            | 31.323     | 30.411      | -0.912 |
| 332                                      | 30       | Unbiased            | 31.083     | 29.977      | -1.106 |
| 333                                      | 50       | Bias                | 32.054     | 30.433      | -1.621 |
| 334                                      | 50       | Bias                | 31.287     | 29.419      | -1.868 |
| 335                                      | 50       | Bias                | 31.207     | 29.184      | -2.023 |
| 336                                      | 50       | Bias                | 31.45      | 29.403      | -2.047 |
| 337                                      | 50       | Bias                | 30.941     | 28.81       | -2.131 |
| 338                                      | 50       | Unbiased            | 32.242     | 30.481      | -1.761 |
| 339                                      | 50       | Unbiased            | 31.907     | 29.662      | -2.245 |
| 340                                      | 50       | Unbiased            | 31.669     | 29.505      | -2.164 |
| 341                                      | 50       | Unbiased            | 31.951     | 29.693      | -2.258 |
| 342                                      | 50       | Unbiased            | 31.924     | 29.784      | -2.14  |
| 343                                      | 100      | Bias                | 32.199     | 28.524      | -3.675 |
| 344                                      | 100      | Bias                | 31.741     | 28.281      | -3.46  |
| 345                                      | 100      | Bias                | 32.32      | 28.303      | -4.017 |
| 346                                      | 100      | Bias                | 31.122     | 27.204      | -3.918 |
| 347                                      | 100      | Bias                | 31.585     | 27.857      | -3.728 |
| 348                                      | 100      | Unbiased            | 31.791     | 28.582      | -3.209 |
| 349                                      | 100      | Unbiased            | 31.58      | 28.379      | -3.201 |
| 350                                      | 100      | Unbiased            | 31.82      | 28.237      | -3.583 |
| 351                                      | 100      | Unbiased            | 31.448     | 27.857      | -3.591 |
| 352                                      | 100      | Unbiased            | 32.375     | 28.589      | -3.786 |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 31.35            | 31.789           | 32.371           | 0.52544          | 31.005            | 31.549            | 32.234            | 0.62651           | -0.345    | -0.23967  | -0.137    | 0.10403   |
| 3        | 31.239           | 31.753           | 32.377           | 0.32857          | 30.987            | 31.334            | 32.111            | 0.39233           | -0.673    | -0.419    | -0.161    | 0.1975    |
| 10       | 30.925           | 31.316           | 32.024           | 0.34091          | 30.424            | 30.858            | 31.54             | 0.30803           | -0.658    | -0.4577   | -0.22     | 0.13339   |
| 30       | 31.083           | 31.55            | 32.035           | 0.29366          | 29.966            | 30.427            | 31.065            | 0.37322           | -1.437    | -1.1232   | -0.912    | 0.17931   |
| 50       | 30.941           | 31.663           | 32.242           | 0.42357          | 28.81             | 29.637            | 30.481            | 0.51426           | -2.258    | -2.0258   | -1.621    | 0.212     |
| 100      | 31.122           | 31.798           | 32.375           | 0.40033          | 27.204            | 28.181            | 28.589            | 0.43161           | -4.017    | -3.6168   | -3.201    | 0.27098   |

Device Test: 19.15 ; RESET\_SLEW\_RATE\_RISE

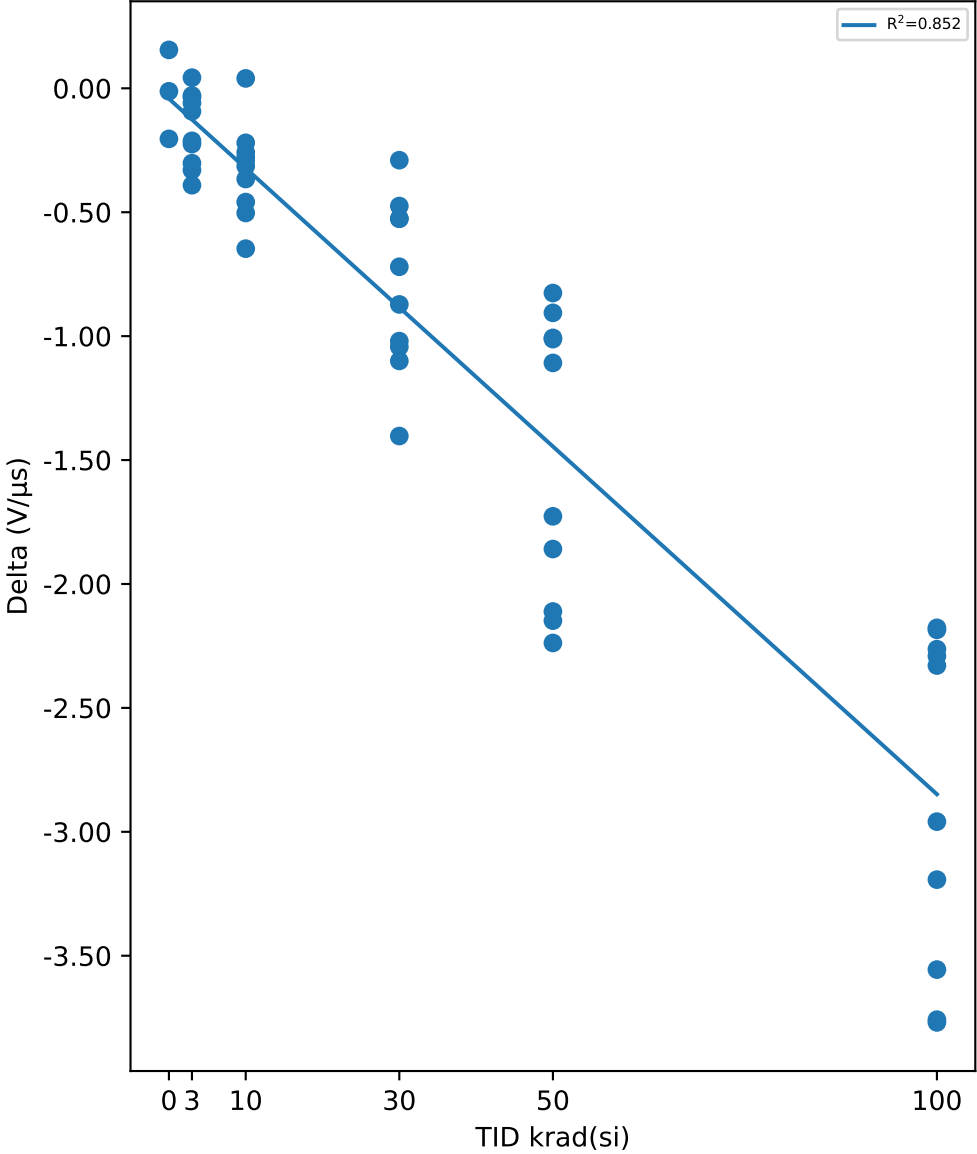
TID vs Result Stats



Test Results (Lower Limit = 17.0 (V/μs))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 32.952     | 32.94       | -0.012 |
| 301      | 0        | Correlation         | 34.003     | 33.799      | -0.204 |
| 302      | 0        | Correlation         | 32.539     | 32.694      | 0.155  |
| 303      | 3        | Bias                | 32.781     | 32.556      | -0.225 |
| 304      | 3        | Bias                | 32.776     | 32.683      | -0.093 |
| 305      | 3        | Bias                | 33.072     | 32.681      | -0.391 |
| 306      | 3        | Bias                | 32.807     | 32.748      | -0.059 |
| 307      | 3        | Bias                | 32.73      | 32.428      | -0.302 |
| 308      | 3        | Unbiased            | 32.913     | 32.583      | -0.33  |
| 309      | 3        | Unbiased            | 32.79      | 32.755      | -0.035 |
| 310      | 3        | Unbiased            | 32.574     | 32.545      | -0.029 |
| 311      | 3        | Unbiased            | 33.495     | 33.538      | 0.043  |
| 312      | 3        | Unbiased            | 33.726     | 33.514      | -0.212 |
| 313      | 10       | Bias                | 32.989     | 32.769      | -0.22  |
| 314      | 10       | Bias                | 32.826     | 32.866      | 0.04   |
| 315      | 10       | Bias                | 32.316     | 32.038      | -0.278 |
| 316      | 10       | Bias                | 33.346     | 33.088      | -0.258 |
| 317      | 10       | Bias                | 32.57      | 32.204      | -0.366 |
| 318      | 10       | Unbiased            | 32.835     | 32.332      | -0.503 |
| 319      | 10       | Unbiased            | 32.368     | 31.909      | -0.459 |
| 320      | 10       | Unbiased            | 32.504     | 32.214      | -0.29  |
| 321      | 10       | Unbiased            | 32.642     | 31.995      | -0.647 |
| 322      | 10       | Unbiased            | 32.762     | 32.448      | -0.314 |
| 323      | 30       | Bias                | 32.659     | 32.133      | -0.526 |
| 324      | 30       | Bias                | 33.083     | 32.608      | -0.475 |
| 325      | 30       | Bias                | 32.552     | 32.026      | -0.526 |
| 326      | 30       | Bias                | 33.501     | 32.781      | -0.72  |
| 327      | 30       | Bias                | 32.494     | 32.204      | -0.29  |
| 328      | 30       | Unbiased            | 32.972     | 31.872      | -1.1   |
| 329      | 30       | Unbiased            | 32.686     | 31.643      | -1.043 |
| 330      | 30       | Unbiased            | 33.702     | 32.299      | -1.403 |
| 331      | 30       | Unbiased            | 32.704     | 31.684      | -1.02  |
| 332      | 30       | Unbiased            | 32.333     | 31.461      | -0.872 |
| 333      | 50       | Bias                | 33.348     | 32.522      | -0.826 |
| 334      | 50       | Bias                | 32.583     | 31.677      | -0.906 |
| 335      | 50       | Bias                | 32.507     | 31.5        | -1.007 |
| 336      | 50       | Bias                | 32.914     | 31.806      | -1.108 |
| 337      | 50       | Bias                | 32.432     | 31.42       | -1.012 |
| 338      | 50       | Unbiased            | 33.568     | 31.841      | -1.727 |
| 339      | 50       | Unbiased            | 33.253     | 31.142      | -2.111 |
| 340      | 50       | Unbiased            | 32.798     | 30.939      | -1.859 |
| 341      | 50       | Unbiased            | 33.215     | 30.977      | -2.238 |
| 342      | 50       | Unbiased            | 33.141     | 30.993      | -2.148 |
| 343      | 100      | Bias                | 33.491     | 31.2        | -2.291 |
| 344      | 100      | Bias                | 32.938     | 30.753      | -2.185 |
| 345      | 100      | Bias                | 33.321     | 31.058      | -2.263 |
| 346      | 100      | Bias                | 32.166     | 29.989      | -2.177 |
| 347      | 100      | Bias                | 32.614     | 30.285      | -2.329 |
| 348      | 100      | Unbiased            | 32.969     | 29.776      | -3.193 |
| 349      | 100      | Unbiased            | 32.642     | 29.683      | -2.959 |
| 350      | 100      | Unbiased            | 33.209     | 29.451      | -3.758 |
| 351      | 100      | Unbiased            | 32.735     | 28.966      | -3.769 |
| 352      | 100      | Unbiased            | 33.539     | 29.983      | -3.556 |

TID vs Post - Pre Exposure Delta

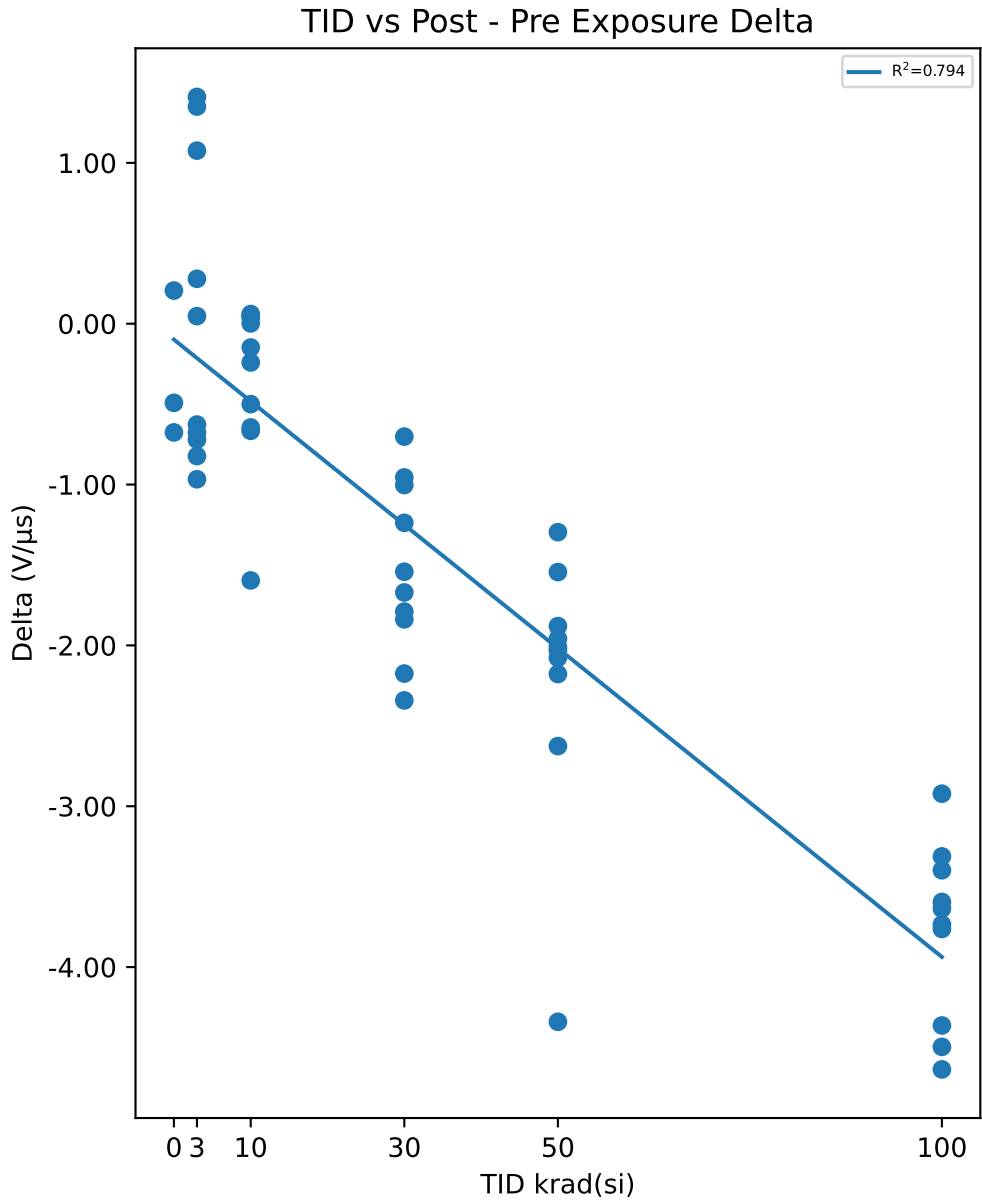
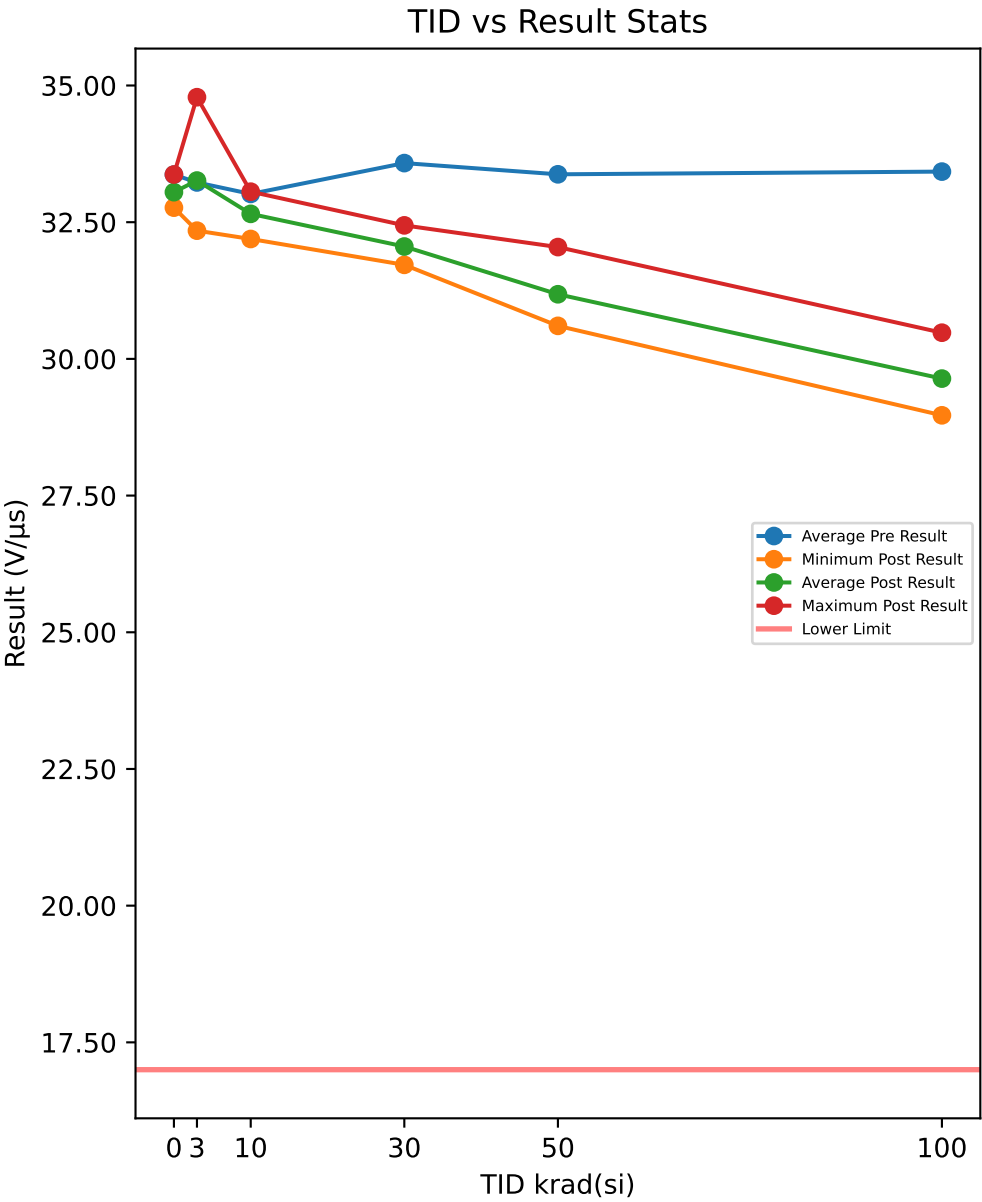


Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 32.539           | 33.165           | 34.003           | 0.75481          | 32.694            | 33.144            | 33.799            | 0.58015           | -0.204    | -0.020333 | 0.155     | 0.17965   |
| 3        | 32.574           | 32.966           | 33.726           | 0.36628          | 32.428            | 32.803            | 33.538            | 0.39398           | -0.391    | -0.1633   | 0.043     | 0.1483    |
| 10       | 32.316           | 32.716           | 33.346           | 0.3078           | 31.909            | 32.386            | 33.088            | 0.40012           | -0.647    | -0.3295   | 0.04      | 0.18472   |
| 30       | 32.333           | 32.869           | 33.702           | 0.44509          | 31.461            | 32.071            | 32.781            | 0.4233            | -1.403    | -0.7975   | -0.29     | 0.34776   |
| 50       | 32.432           | 32.976           | 33.568           | 0.38813          | 30.939            | 31.482            | 32.522            | 0.50136           | -2.238    | -1.4942   | -0.826    | 0.57348   |
| 100      | 32.166           | 32.962           | 33.539           | 0.43614          | 28.966            | 30.114            | 31.2              | 0.71479           | -3.769    | -2.848    | -2.177    | 0.67664   |



Device Test: 19.16 ; PWRGD\_SLEW\_RATE\_RISE

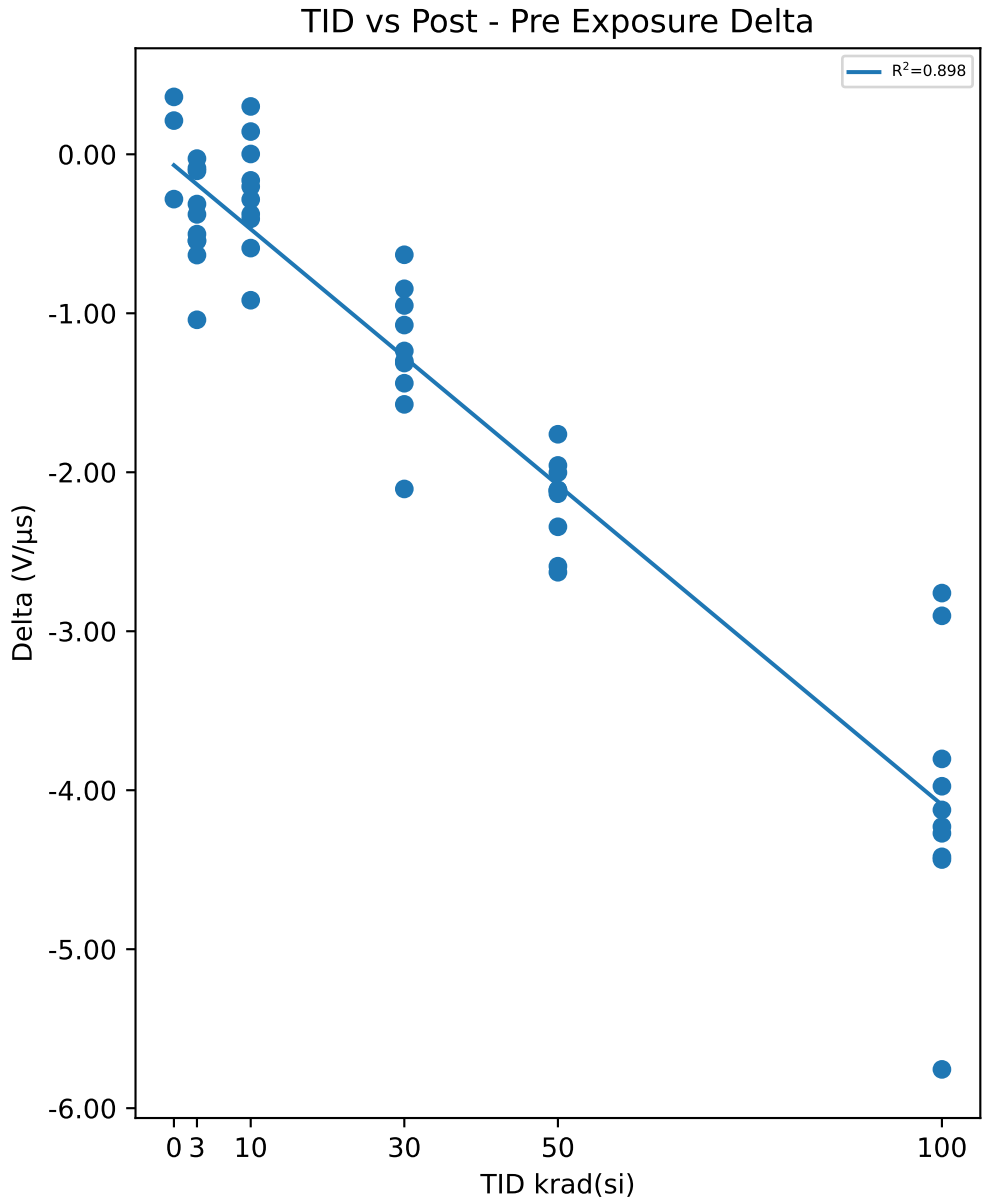
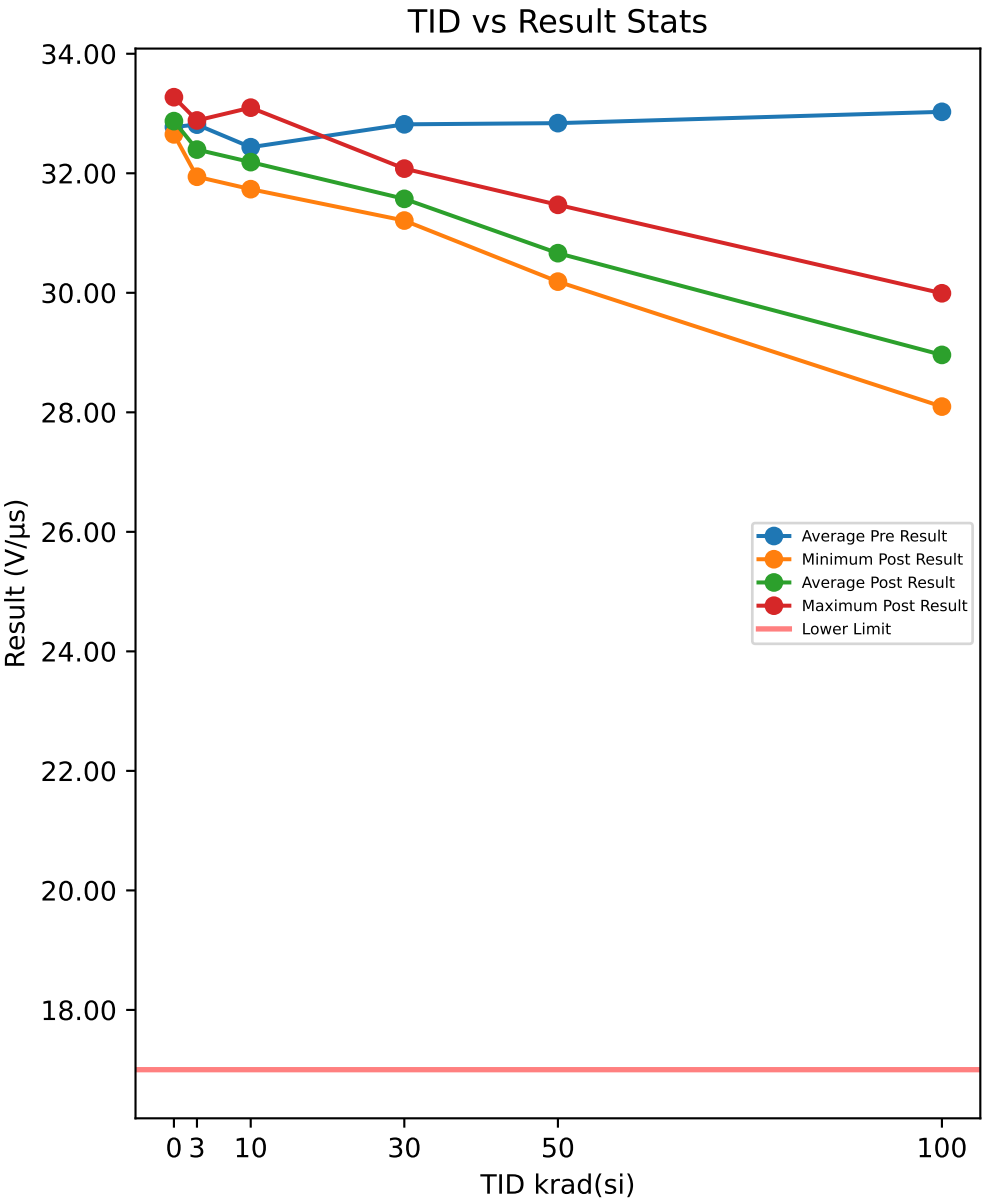


| Test Results (Lower Limit = 17.0 (V/μs)) |          |                     |            |             |        |
|------------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                      | 0        | Correlation         | 33.258     | 32.766      | -0.492 |
| 301                                      | 0        | Correlation         | 33.685     | 33.009      | -0.676 |
| 302                                      | 0        | Correlation         | 33.166     | 33.372      | 0.206  |
| 303                                      | 3        | Bias                | 32.753     | 33.829      | 1.076  |
| 304                                      | 3        | Bias                | 33.022     | 32.345      | -0.677 |
| 305                                      | 3        | Bias                | 33.399     | 32.772      | -0.627 |
| 306                                      | 3        | Bias                | 33.469     | 32.646      | -0.823 |
| 307                                      | 3        | Bias                | 33.418     | 32.697      | -0.721 |
| 308                                      | 3        | Unbiased            | 32.898     | 33.177      | 0.279  |
| 309                                      | 3        | Unbiased            | 33.643     | 32.676      | -0.967 |
| 310                                      | 3        | Unbiased            | 32.917     | 32.964      | 0.047  |
| 311                                      | 3        | Unbiased            | 33.376     | 34.786      | 1.41   |
| 312                                      | 3        | Unbiased            | 33.376     | 34.726      | 1.35   |
| 313                                      | 10       | Bias                | 32.815     | 32.817      | 0.002  |
| 314                                      | 10       | Bias                | 33.12      | 32.879      | -0.241 |
| 315                                      | 10       | Bias                | 33.008     | 33.058      | 0.05   |
| 316                                      | 10       | Bias                | 33.509     | 33.009      | -0.5   |
| 317                                      | 10       | Bias                | 33.359     | 32.714      | -0.645 |
| 318                                      | 10       | Unbiased            | 32.399     | 32.439      | 0.04   |
| 319                                      | 10       | Unbiased            | 33.957     | 32.361      | -1.596 |
| 320                                      | 10       | Unbiased            | 32.706     | 32.558      | -0.148 |
| 321                                      | 10       | Unbiased            | 32.859     | 32.193      | -0.666 |
| 322                                      | 10       | Unbiased            | 32.437     | 32.497      | 0.06   |
| 323                                      | 30       | Bias                | 33.331     | 31.789      | -1.542 |
| 324                                      | 30       | Bias                | 34.712     | 32.37       | -2.342 |
| 325                                      | 30       | Bias                | 32.422     | 31.72       | -0.702 |
| 326                                      | 30       | Bias                | 33.814     | 32.024      | -1.79  |
| 327                                      | 30       | Bias                | 34.36      | 32.185      | -2.175 |
| 328                                      | 30       | Unbiased            | 33.398     | 32.442      | -0.956 |
| 329                                      | 30       | Unbiased            | 33.069     | 32.066      | -1.003 |
| 330                                      | 30       | Unbiased            | 33.813     | 32.142      | -1.671 |
| 331                                      | 30       | Unbiased            | 33.881     | 32.043      | -1.838 |
| 332                                      | 30       | Unbiased            | 33.009     | 31.771      | -1.238 |
| 333                                      | 50       | Bias                | 33.341     | 32.045      | -1.296 |
| 334                                      | 50       | Bias                | 32.767     | 31.223      | -1.544 |
| 335                                      | 50       | Bias                | 32.631     | 30.751      | -1.88  |
| 336                                      | 50       | Bias                | 32.995     | 31.037      | -1.958 |
| 337                                      | 50       | Bias                | 32.769     | 30.76       | -2.009 |
| 338                                      | 50       | Unbiased            | 33.587     | 31.51       | -2.077 |
| 339                                      | 50       | Unbiased            | 33.443     | 31.413      | -2.03  |
| 340                                      | 50       | Unbiased            | 34.944     | 30.604      | -4.34  |
| 341                                      | 50       | Unbiased            | 33.583     | 31.405      | -2.178 |
| 342                                      | 50       | Unbiased            | 33.698     | 31.072      | -2.626 |
| 343                                      | 100      | Bias                | 33.823     | 30.228      | -3.595 |
| 344                                      | 100      | Bias                | 33.943     | 29.447      | -4.496 |
| 345                                      | 100      | Bias                | 34.057     | 29.421      | -4.636 |
| 346                                      | 100      | Bias                | 32.718     | 28.983      | -3.735 |
| 347                                      | 100      | Bias                | 32.852     | 29.54       | -3.312 |
| 348                                      | 100      | Unbiased            | 33.331     | 28.968      | -4.363 |
| 349                                      | 100      | Unbiased            | 32.879     | 29.957      | -2.922 |
| 350                                      | 100      | Unbiased            | 33.183     | 29.785      | -3.398 |
| 351                                      | 100      | Unbiased            | 33.351     | 29.588      | -3.763 |
| 352                                      | 100      | Unbiased            | 34.116     | 30.479      | -3.637 |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 33.166           | 33.37            | 33.685           | 0.27693          | 32.766            | 33.049            | 33.372            | 0.30497           | -0.676    | -0.32067  | 0.206     | 0.46529   |
| 3        | 32.753           | 33.227           | 33.643           | 0.30058          | 32.345            | 33.262            | 34.786            | 0.88232           | -0.967    | 0.0347    | 1.41      | 0.94399   |
| 10       | 32.399           | 33.017           | 33.957           | 0.48696          | 32.193            | 32.652            | 33.058            | 0.28838           | -1.596    | -0.3644   | 0.06      | 0.51818   |
| 30       | 32.422           | 33.581           | 34.712           | 0.67599          | 31.72             | 32.055            | 32.442            | 0.24457           | -2.342    | -1.5257   | -0.702    | 0.54116   |
| 50       | 32.631           | 33.376           | 34.944           | 0.67453          | 30.604            | 31.182            | 32.045            | 0.4331            | -4.34     | -2.1938   | -1.296    | 0.83335   |
| 100      | 32.718           | 33.425           | 34.116           | 0.52734          | 28.968            | 29.64             | 30.479            | 0.48903           | -4.636    | -3.7857   | -2.922    | 0.55207   |





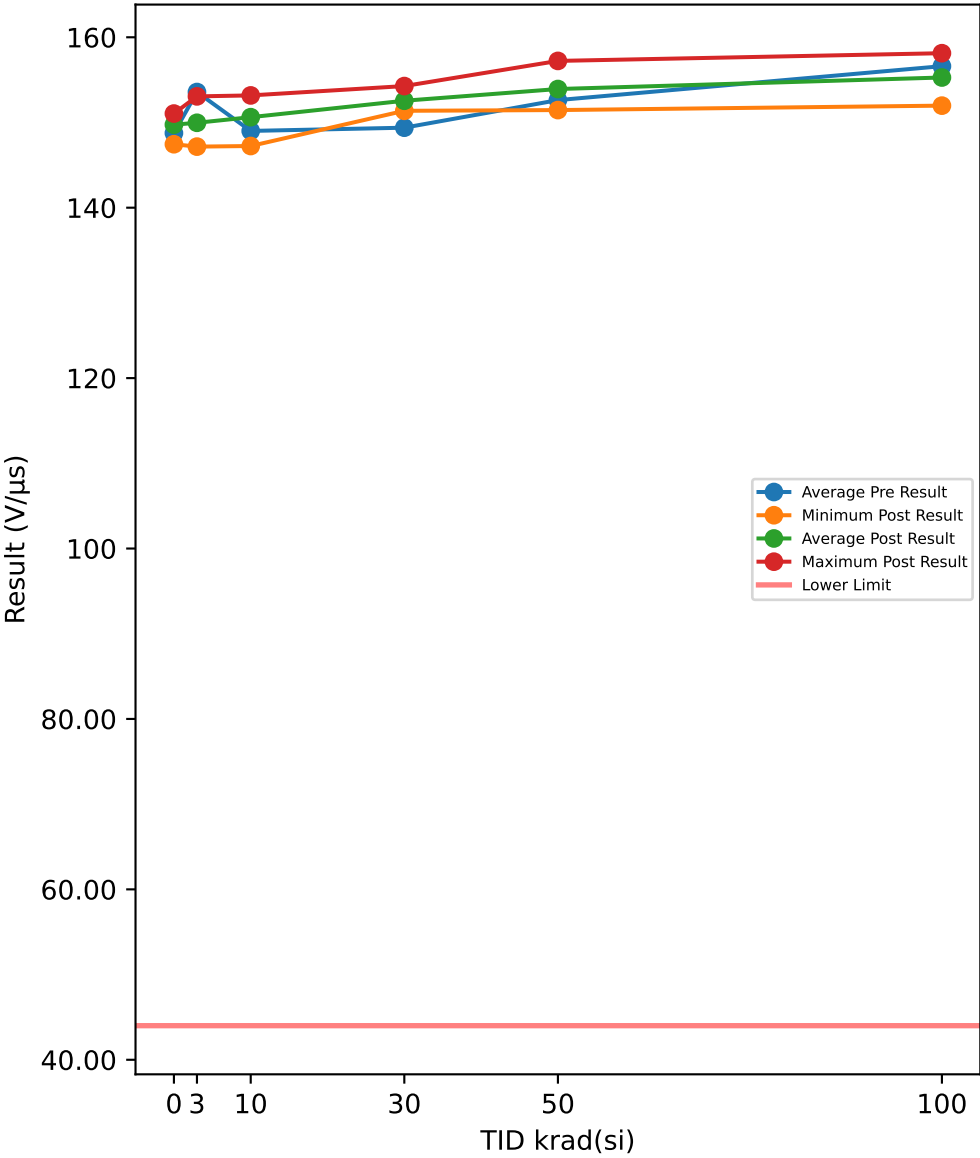
| Test Results (Lower Limit = 17.0 (V/μs)) |          |                     |            |             |        |
|------------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                      | 0        | Correlation         | 32.933     | 32.651      | -0.282 |
| 301                                      | 0        | Correlation         | 32.912     | 33.273      | 0.361  |
| 302                                      | 0        | Correlation         | 32.482     | 32.694      | 0.212  |
| 303                                      | 3        | Bias                | 33.095     | 32.054      | -1.041 |
| 304                                      | 3        | Bias                | 32.485     | 31.942      | -0.543 |
| 305                                      | 3        | Bias                | 32.793     | 32.249      | -0.544 |
| 306                                      | 3        | Bias                | 33.402     | 32.768      | -0.634 |
| 307                                      | 3        | Bias                | 32.383     | 32.005      | -0.378 |
| 308                                      | 3        | Unbiased            | 32.975     | 32.662      | -0.313 |
| 309                                      | 3        | Unbiased            | 32.502     | 32.398      | -0.104 |
| 310                                      | 3        | Unbiased            | 32.265     | 32.238      | -0.027 |
| 311                                      | 3        | Unbiased            | 32.971     | 32.884      | -0.087 |
| 312                                      | 3        | Unbiased            | 33.266     | 32.764      | -0.502 |
| 313                                      | 10       | Bias                | 32.561     | 32.155      | -0.406 |
| 314                                      | 10       | Bias                | 32.484     | 32.108      | -0.376 |
| 315                                      | 10       | Bias                | 32.586     | 31.996      | -0.59  |
| 316                                      | 10       | Bias                | 32.797     | 33.098      | 0.301  |
| 317                                      | 10       | Bias                | 32.001     | 32.144      | 0.143  |
| 318                                      | 10       | Unbiased            | 32.152     | 32.154      | 0.002  |
| 319                                      | 10       | Unbiased            | 32.145     | 31.981      | -0.164 |
| 320                                      | 10       | Unbiased            | 32.599     | 32.396      | -0.203 |
| 321                                      | 10       | Unbiased            | 32.652     | 31.734      | -0.918 |
| 322                                      | 10       | Unbiased            | 32.385     | 32.101      | -0.284 |
| 323                                      | 30       | Bias                | 32.327     | 31.376      | -0.951 |
| 324                                      | 30       | Bias                | 33.391     | 32.078      | -1.313 |
| 325                                      | 30       | Bias                | 32.446     | 31.209      | -1.237 |
| 326                                      | 30       | Bias                | 33.092     | 31.792      | -1.3   |
| 327                                      | 30       | Bias                | 33.004     | 31.564      | -1.44  |
| 328                                      | 30       | Unbiased            | 33.265     | 31.692      | -1.573 |
| 329                                      | 30       | Unbiased            | 32.244     | 31.612      | -0.632 |
| 330                                      | 30       | Unbiased            | 33.822     | 31.717      | -2.105 |
| 331                                      | 30       | Unbiased            | 32.279     | 31.433      | -0.846 |
| 332                                      | 30       | Unbiased            | 32.321     | 31.247      | -1.074 |
| 333                                      | 50       | Bias                | 34.063     | 31.472      | -2.591 |
| 334                                      | 50       | Bias                | 32.571     | 30.453      | -2.118 |
| 335                                      | 50       | Bias                | 32.299     | 30.187      | -2.112 |
| 336                                      | 50       | Bias                | 32.653     | 30.31       | -2.343 |
| 337                                      | 50       | Bias                | 32.051     | 30.29       | -1.761 |
| 338                                      | 50       | Unbiased            | 33.359     | 31.357      | -2.002 |
| 339                                      | 50       | Unbiased            | 32.897     | 30.786      | -2.111 |
| 340                                      | 50       | Unbiased            | 33.123     | 30.494      | -2.629 |
| 341                                      | 50       | Unbiased            | 32.731     | 30.774      | -1.957 |
| 342                                      | 50       | Unbiased            | 32.643     | 30.508      | -2.135 |
| 343                                      | 100      | Bias                | 32.693     | 29.79       | -2.903 |
| 344                                      | 100      | Bias                | 33.214     | 28.985      | -4.229 |
| 345                                      | 100      | Bias                | 33.331     | 28.912      | -4.419 |
| 346                                      | 100      | Bias                | 32.071     | 28.096      | -3.975 |
| 347                                      | 100      | Bias                | 33.083     | 28.812      | -4.271 |
| 348                                      | 100      | Unbiased            | 32.429     | 28.626      | -3.803 |
| 349                                      | 100      | Unbiased            | 32.752     | 29.992      | -2.76  |
| 350                                      | 100      | Unbiased            | 32.963     | 28.527      | -4.436 |
| 351                                      | 100      | Unbiased            | 32.704     | 28.58       | -4.124 |
| 352                                      | 100      | Unbiased            | 35.042     | 29.286      | -5.756 |

Test Statistics (V/μs)

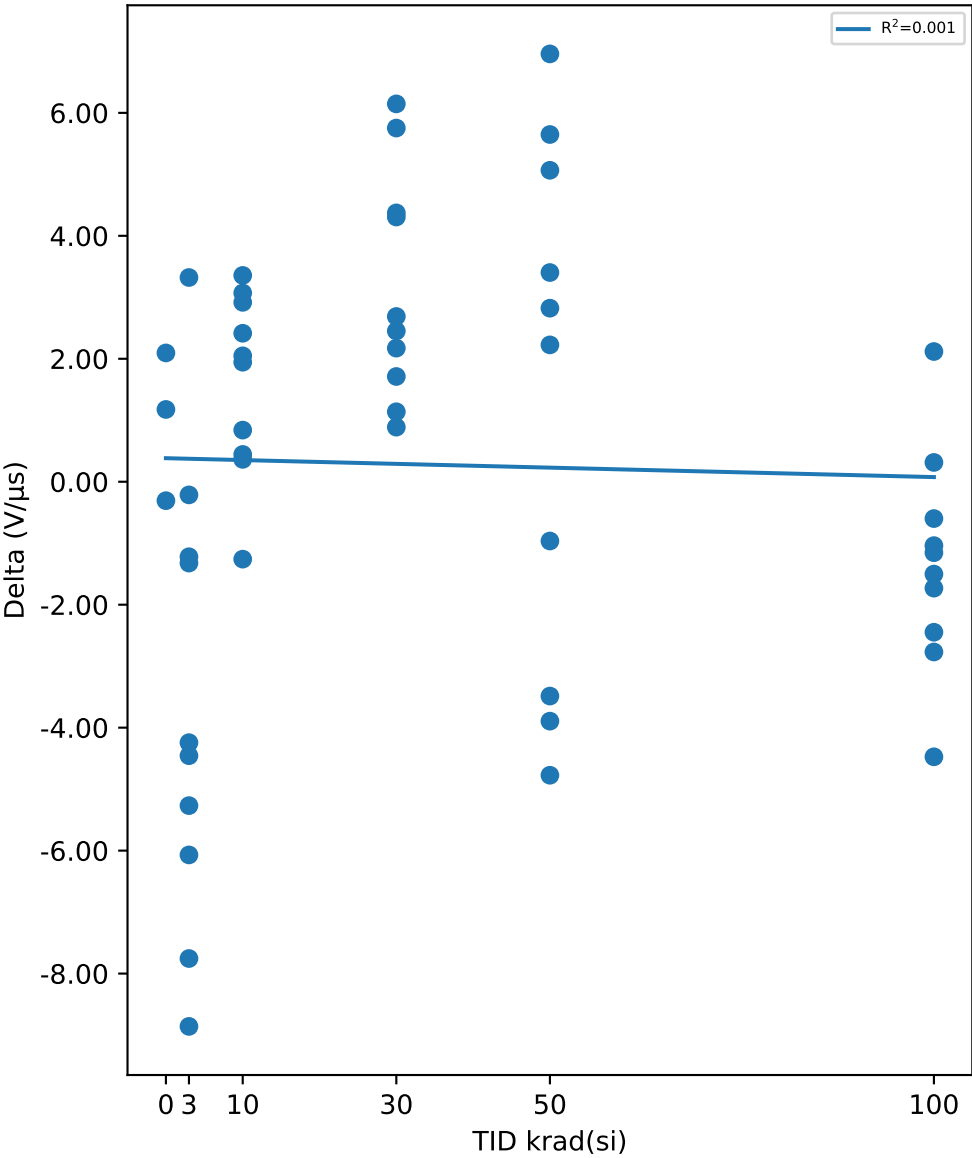
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 32.482           | 32.776           | 32.933           | 0.25454          | 32.651            | 32.873            | 33.273            | 0.34736           | -0.282    | 0.097     | 0.361     | 0.33657   |
| 3        | 32.265           | 32.814           | 33.402           | 0.39055          | 31.942            | 32.396            | 32.884            | 0.35044           | -1.041    | -0.4173   | -0.027    | 0.30678   |
| 10       | 32.001           | 32.436           | 32.797           | 0.25844          | 31.734            | 32.187            | 33.098            | 0.36137           | -0.918    | -0.2495   | 0.301     | 0.35502   |
| 30       | 32.244           | 32.819           | 33.822           | 0.56689          | 31.209            | 31.572            | 32.078            | 0.26597           | -2.105    | -1.2471   | -0.632    | 0.41413   |
| 50       | 32.051           | 32.839           | 34.063           | 0.56976          | 30.187            | 30.663            | 31.472            | 0.44103           | -2.629    | -2.1759   | -1.761    | 0.27267   |
| 100      | 32.071           | 33.028           | 35.042           | 0.79985          | 28.096            | 28.961            | 29.992            | 0.58452           | -5.756    | -4.0676   | -2.76     | 0.83833   |

Device Test: 19.18 ; RESET\_SLEW\_RATE\_FALL

TID vs Result Stats



TID vs Post - Pre Exposure Delta



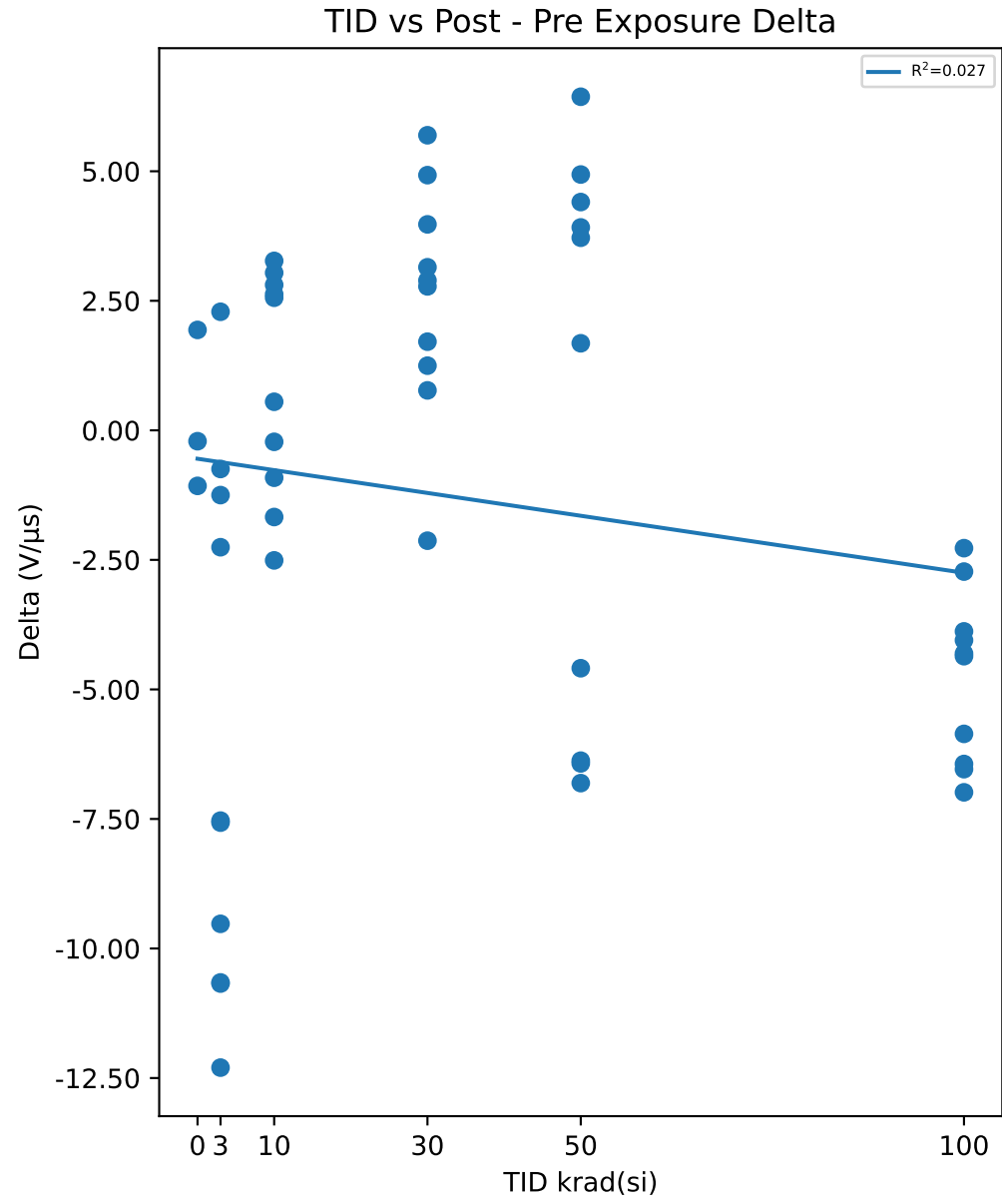
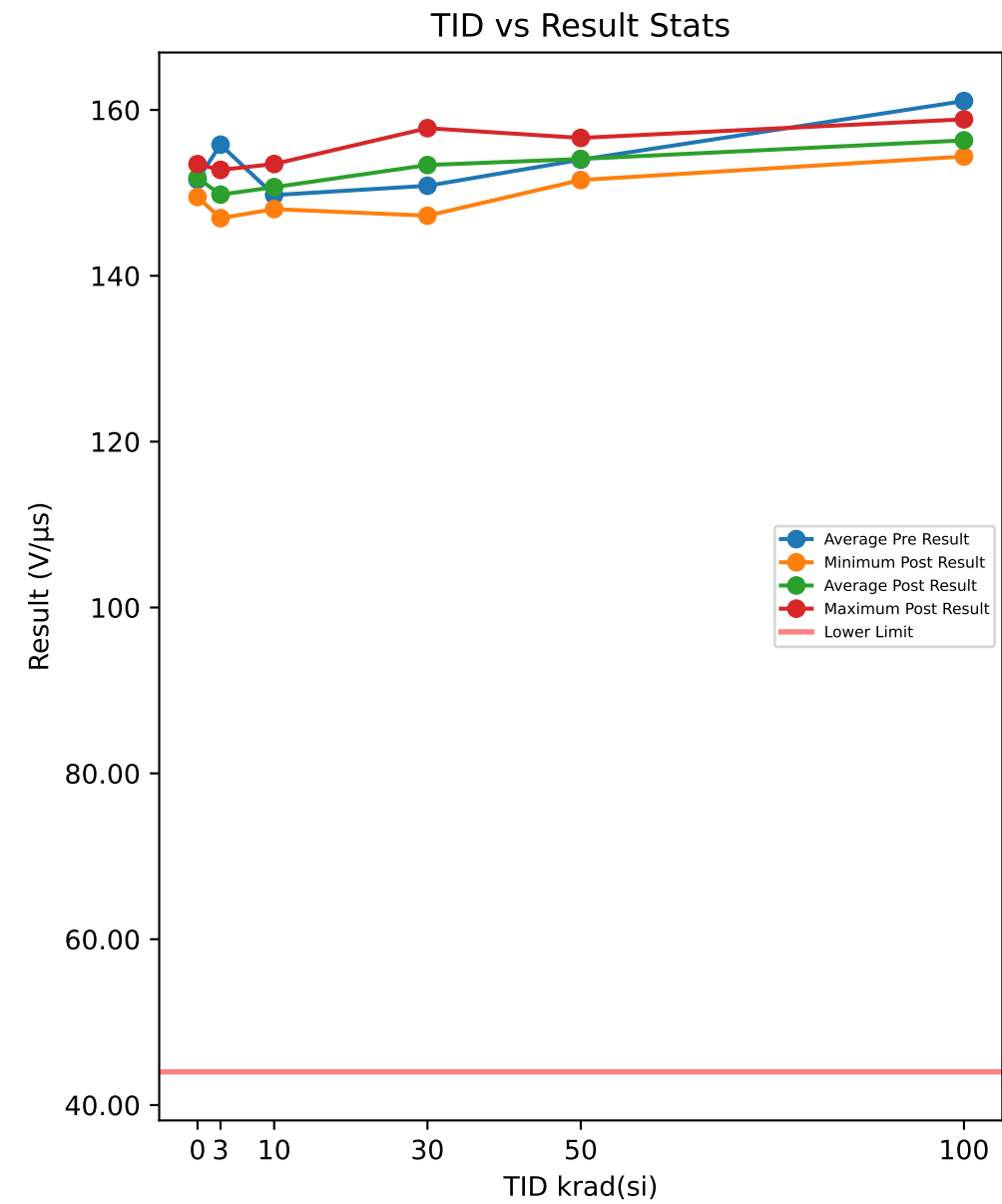
Test Results (Lower Limit = 44.0 (V/μs))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 148.95     | 151.05      | 2.095  |
| 301      | 0        | Correlation         | 149.56     | 150.73      | 1.176  |
| 302      | 0        | Correlation         | 147.76     | 147.45      | -0.308 |
| 303      | 3        | Bias                | 155.22     | 149.95      | -5.268 |
| 304      | 3        | Bias                | 152.18     | 147.73      | -4.456 |
| 305      | 3        | Bias                | 158.61     | 150.86      | -7.755 |
| 306      | 3        | Bias                | 157.91     | 149.05      | -8.859 |
| 307      | 3        | Bias                | 156.44     | 150.37      | -6.07  |
| 308      | 3        | Unbiased            | 156.57     | 152.32      | -4.244 |
| 309      | 3        | Unbiased            | 148.49     | 147.17      | -1.323 |
| 310      | 3        | Unbiased            | 150.11     | 148.89      | -1.22  |
| 311      | 3        | Unbiased            | 150.46     | 150.24      | -0.214 |
| 312      | 3        | Unbiased            | 149.74     | 153.06      | 3.322  |
| 313      | 10       | Bias                | 150.8      | 149.54      | -1.259 |
| 314      | 10       | Bias                | 147.46     | 150.53      | 3.07   |
| 315      | 10       | Bias                | 150.3      | 152.72      | 2.415  |
| 316      | 10       | Bias                | 150.17     | 151.01      | 0.84   |
| 317      | 10       | Bias                | 148.59     | 151.94      | 3.356  |
| 318      | 10       | Unbiased            | 150.26     | 153.18      | 2.918  |
| 319      | 10       | Unbiased            | 150.42     | 150.87      | 0.444  |
| 320      | 10       | Unbiased            | 147.38     | 149.42      | 2.048  |
| 321      | 10       | Unbiased            | 147.84     | 149.78      | 1.944  |
| 322      | 10       | Unbiased            | 146.88     | 147.24      | 0.364  |
| 323      | 30       | Bias                | 147.37     | 153.51      | 6.146  |
| 324      | 30       | Bias                | 149.31     | 151.49      | 2.173  |
| 325      | 30       | Bias                | 148.68     | 151.37      | 2.688  |
| 326      | 30       | Bias                | 150.42     | 152.87      | 2.452  |
| 327      | 30       | Bias                | 147.5      | 151.88      | 4.373  |
| 328      | 30       | Unbiased            | 150.47     | 151.61      | 1.138  |
| 329      | 30       | Unbiased            | 148.13     | 152.44      | 4.306  |
| 330      | 30       | Unbiased            | 153.39     | 154.27      | 0.888  |
| 331      | 30       | Unbiased            | 147.84     | 153.6       | 5.753  |
| 332      | 30       | Unbiased            | 150.77     | 152.48      | 1.712  |
| 333      | 50       | Bias                | 151.17     | 156.81      | 5.648  |
| 334      | 50       | Bias                | 148.92     | 153.98      | 5.066  |
| 335      | 50       | Bias                | 148.72     | 151.54      | 2.823  |
| 336      | 50       | Bias                | 149.91     | 156.87      | 6.959  |
| 337      | 50       | Bias                | 148.49     | 151.89      | 3.403  |
| 338      | 50       | Unbiased            | 149.23     | 151.46      | 2.226  |
| 339      | 50       | Unbiased            | 161.12     | 157.23      | -3.894 |
| 340      | 50       | Unbiased            | 157.26     | 152.48      | -4.774 |
| 341      | 50       | Unbiased            | 156.07     | 155.1       | -0.964 |
| 342      | 50       | Unbiased            | 155.38     | 151.9       | -3.486 |
| 343      | 100      | Bias                | 155.73     | 154.58      | -1.154 |
| 344      | 100      | Bias                | 153.61     | 153.92      | 0.314  |
| 345      | 100      | Bias                | 158.27     | 157.24      | -1.039 |
| 346      | 100      | Bias                | 158.71     | 157.2       | -1.502 |
| 347      | 100      | Bias                | 156.45     | 151.98      | -4.474 |
| 348      | 100      | Unbiased            | 155.87     | 155.27      | -0.599 |
| 349      | 100      | Unbiased            | 156.01     | 158.13      | 2.118  |
| 350      | 100      | Unbiased            | 157.65     | 155.92      | -1.731 |
| 351      | 100      | Unbiased            | 155.63     | 153.18      | -2.448 |
| 352      | 100      | Unbiased            | 158.15     | 155.38      | -2.769 |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 147.76           | 148.76           | 149.56           | 0.91663          | 147.45            | 149.74            | 151.05            | 1.9938            | -0.308    | 0.98767   | 2.095     | 1.2125    |
| 3        | 148.49           | 153.57           | 158.61           | 3.7751           | 147.17            | 149.96            | 153.06            | 1.8568            | -8.859    | -3.6087   | 3.322     | 3.7294    |
| 10       | 146.88           | 149.01           | 150.8            | 1.5252           | 147.24            | 150.62            | 153.18            | 1.7526            | -1.259    | 1.614     | 3.356     | 1.4749    |
| 30       | 147.37           | 149.39           | 153.39           | 1.8917           | 151.37            | 152.55            | 154.27            | 0.99916           | 0.888     | 3.1629    | 6.146     | 1.8699    |
| 50       | 148.49           | 152.63           | 161.12           | 4.4749           | 151.46            | 153.93            | 157.23            | 2.3899            | -4.774    | 1.3007    | 6.959     | 4.2767    |
| 100      | 153.61           | 156.61           | 158.71           | 1.5729           | 151.98            | 155.28            | 158.13            | 1.9357            | -4.474    | -1.3284   | 2.118     | 1.7838    |

Device Test: 19.19 ; RESET\_SLEW\_RATE\_FALL

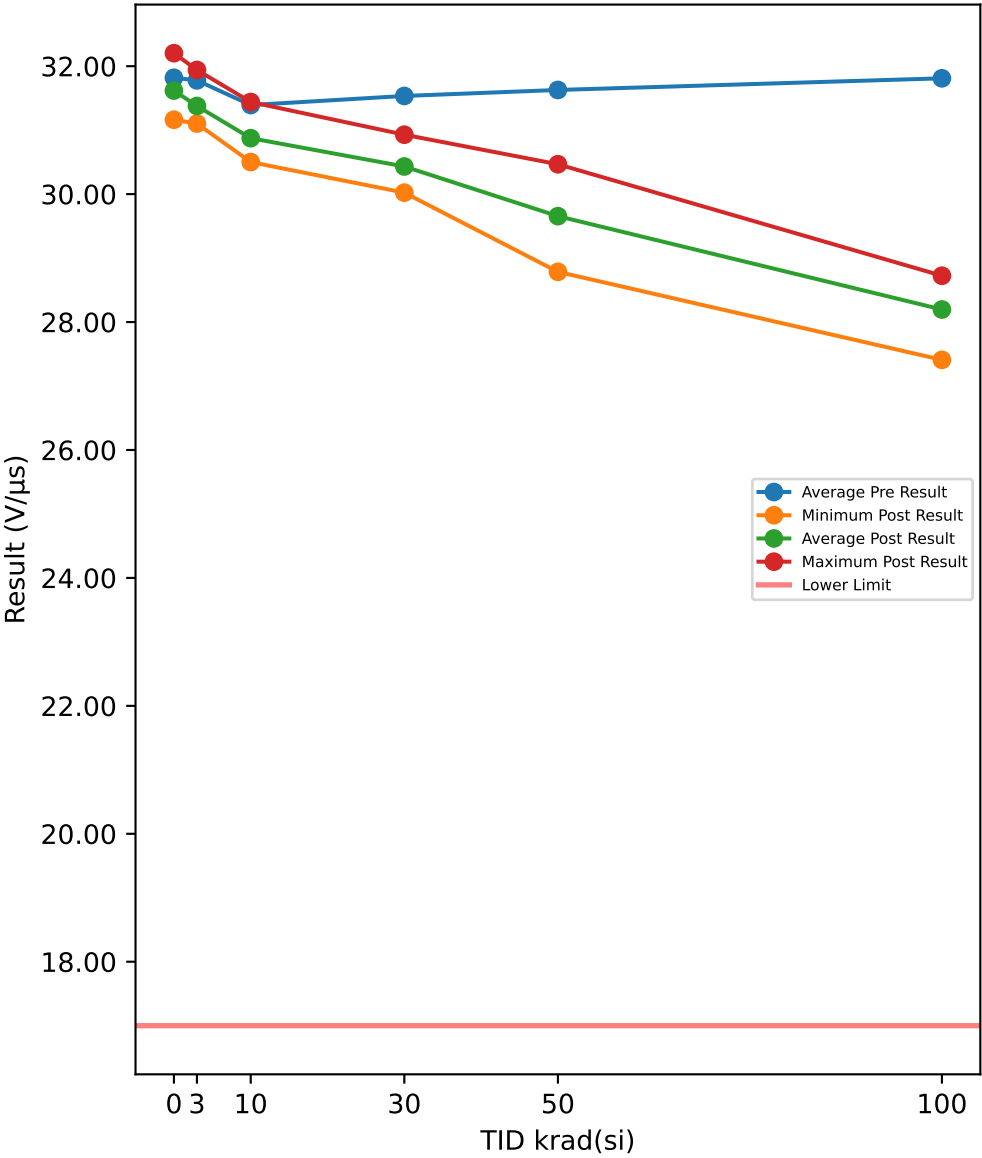


| Test Results (Lower Limit = 44.0 (V/μs)) |          |                     |            |             |         |
|------------------------------------------|----------|---------------------|------------|-------------|---------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta   |
| 300                                      | 0        | Correlation         | 150.57     | 149.5       | -1.072  |
| 301                                      | 0        | Correlation         | 151.53     | 153.47      | 1.938   |
| 302                                      | 0        | Correlation         | 152.66     | 152.45      | -0.21   |
| 303                                      | 3        | Bias                | 159.25     | 146.95      | -12.299 |
| 304                                      | 3        | Bias                | 156.97     | 149.4       | -7.571  |
| 305                                      | 3        | Bias                | 160.31     | 152.77      | -7.532  |
| 306                                      | 3        | Bias                | 160.07     | 149.41      | -10.655 |
| 307                                      | 3        | Bias                | 160.37     | 149.69      | -10.677 |
| 308                                      | 3        | Unbiased            | 160.27     | 150.74      | -9.524  |
| 309                                      | 3        | Unbiased            | 148.33     | 147.58      | -0.746  |
| 310                                      | 3        | Unbiased            | 150.17     | 148.92      | -1.25   |
| 311                                      | 3        | Unbiased            | 149.78     | 152.07      | 2.288   |
| 312                                      | 3        | Unbiased            | 152.59     | 150.33      | -2.256  |
| 313                                      | 10       | Bias                | 149.27     | 152.08      | 2.807   |
| 314                                      | 10       | Bias                | 152.29     | 151.38      | -0.915  |
| 315                                      | 10       | Bias                | 150.21     | 153.48      | 3.27    |
| 316                                      | 10       | Bias                | 149.22     | 151.85      | 2.626   |
| 317                                      | 10       | Bias                | 148.32     | 150.88      | 2.559   |
| 318                                      | 10       | Unbiased            | 152.56     | 150.05      | -2.51   |
| 319                                      | 10       | Unbiased            | 148.5      | 148.28      | -0.222  |
| 320                                      | 10       | Unbiased            | 149.72     | 148.04      | -1.673  |
| 321                                      | 10       | Unbiased            | 148.16     | 151.19      | 3.04    |
| 322                                      | 10       | Unbiased            | 149.1      | 149.66      | 0.551   |
| 323                                      | 30       | Bias                | 146.74     | 152.43      | 5.695   |
| 324                                      | 30       | Bias                | 150.94     | 153.71      | 2.778   |
| 325                                      | 30       | Bias                | 153.83     | 157.8       | 3.975   |
| 326                                      | 30       | Bias                | 152.31     | 154.02      | 1.711   |
| 327                                      | 30       | Bias                | 148.8      | 153.72      | 4.925   |
| 328                                      | 30       | Unbiased            | 152.76     | 155.65      | 2.893   |
| 329                                      | 30       | Unbiased            | 149.38     | 147.25      | -2.13   |
| 330                                      | 30       | Unbiased            | 154.71     | 155.96      | 1.248   |
| 331                                      | 30       | Unbiased            | 151.1      | 151.87      | 0.771   |
| 332                                      | 30       | Unbiased            | 148        | 151.15      | 3.147   |
| 333                                      | 50       | Bias                | 151.51     | 155.92      | 4.406   |
| 334                                      | 50       | Bias                | 152.28     | 155.99      | 3.717   |
| 335                                      | 50       | Bias                | 146.61     | 151.55      | 4.937   |
| 336                                      | 50       | Bias                | 150.49     | 154.41      | 3.916   |
| 337                                      | 50       | Bias                | 150.19     | 156.63      | 6.438   |
| 338                                      | 50       | Unbiased            | 150.36     | 152.04      | 1.68    |
| 339                                      | 50       | Unbiased            | 159.23     | 154.63      | -4.591  |
| 340                                      | 50       | Unbiased            | 159.81     | 153.43      | -6.375  |
| 341                                      | 50       | Unbiased            | 159.86     | 153.44      | -6.428  |
| 342                                      | 50       | Unbiased            | 159.64     | 152.83      | -6.808  |
| 343                                      | 100      | Bias                | 163.61     | 157.75      | -5.858  |
| 344                                      | 100      | Bias                | 160.41     | 156.36      | -4.051  |
| 345                                      | 100      | Bias                | 160.55     | 156.67      | -3.88   |
| 346                                      | 100      | Bias                | 159.07     | 156.34      | -2.726  |
| 347                                      | 100      | Bias                | 163.23     | 158.87      | -4.359  |
| 348                                      | 100      | Unbiased            | 162.26     | 155.72      | -6.539  |
| 349                                      | 100      | Unbiased            | 156.66     | 154.39      | -2.274  |
| 350                                      | 100      | Unbiased            | 161.96     | 155.52      | -6.439  |
| 351                                      | 100      | Unbiased            | 159.39     | 155.09      | -4.306  |
| 352                                      | 100      | Unbiased            | 163.58     | 156.6       | -6.986  |

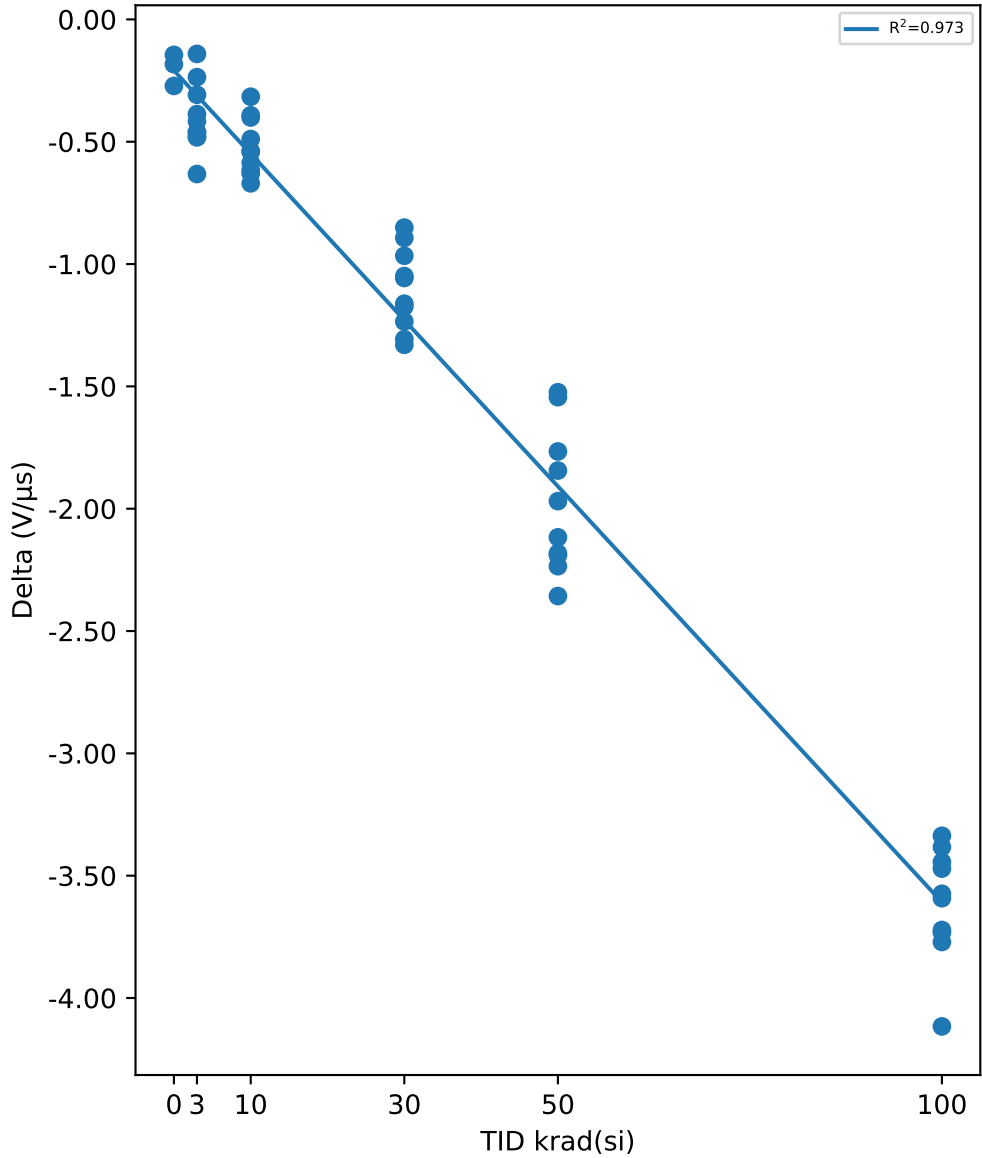
Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 150.57           | 151.59           | 152.66           | 1.0441           | 149.5             | 151.8             | 153.47            | 2.0614            | -1.072    | 0.21867   | 1.938     | 1.5501    |
| 3        | 148.33           | 155.81           | 160.37           | 5.0178           | 146.95            | 149.79            | 152.77            | 1.8037            | -12.299   | -6.0222   | 2.288     | 5.0917    |
| 10       | 148.16           | 149.74           | 152.56           | 1.5501           | 148.04            | 150.69            | 153.48            | 1.7026            | -2.51     | 0.9533    | 3.27      | 2.172     |
| 30       | 146.74           | 150.86           | 154.71           | 2.6037           | 147.25            | 153.36            | 157.8             | 2.9394            | -2.13     | 2.5013    | 5.695     | 2.2492    |
| 50       | 146.61           | 154              | 159.86           | 5.0672           | 151.55            | 154.09            | 156.63            | 1.7292            | -6.808    | 0.0892    | 6.438     | 5.4418    |
| 100      | 156.66           | 161.07           | 163.61           | 2.2754           | 154.39            | 156.33            | 158.87            | 1.2906            | -6.986    | -4.7418   | -2.274    | 1.6365    |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



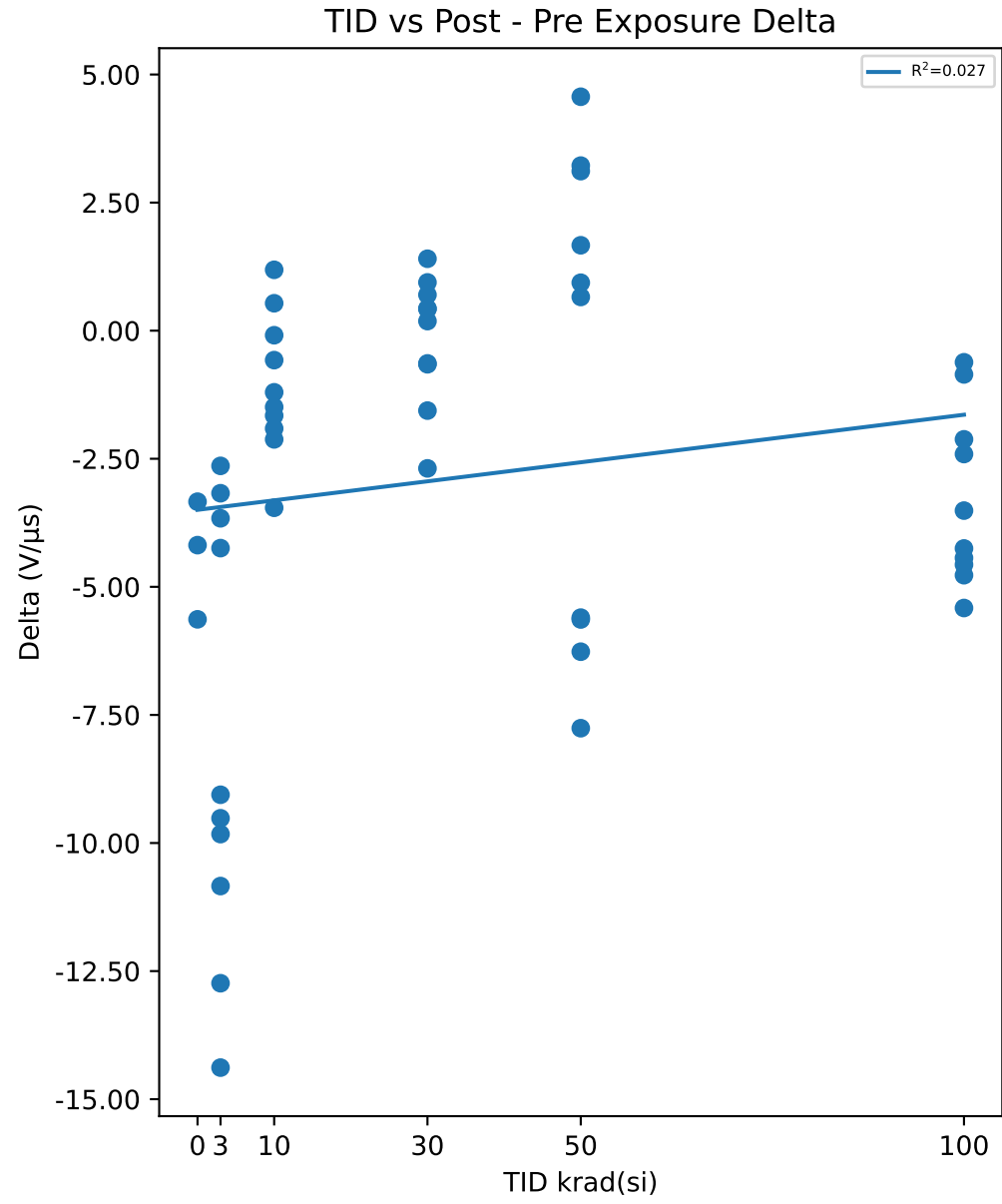
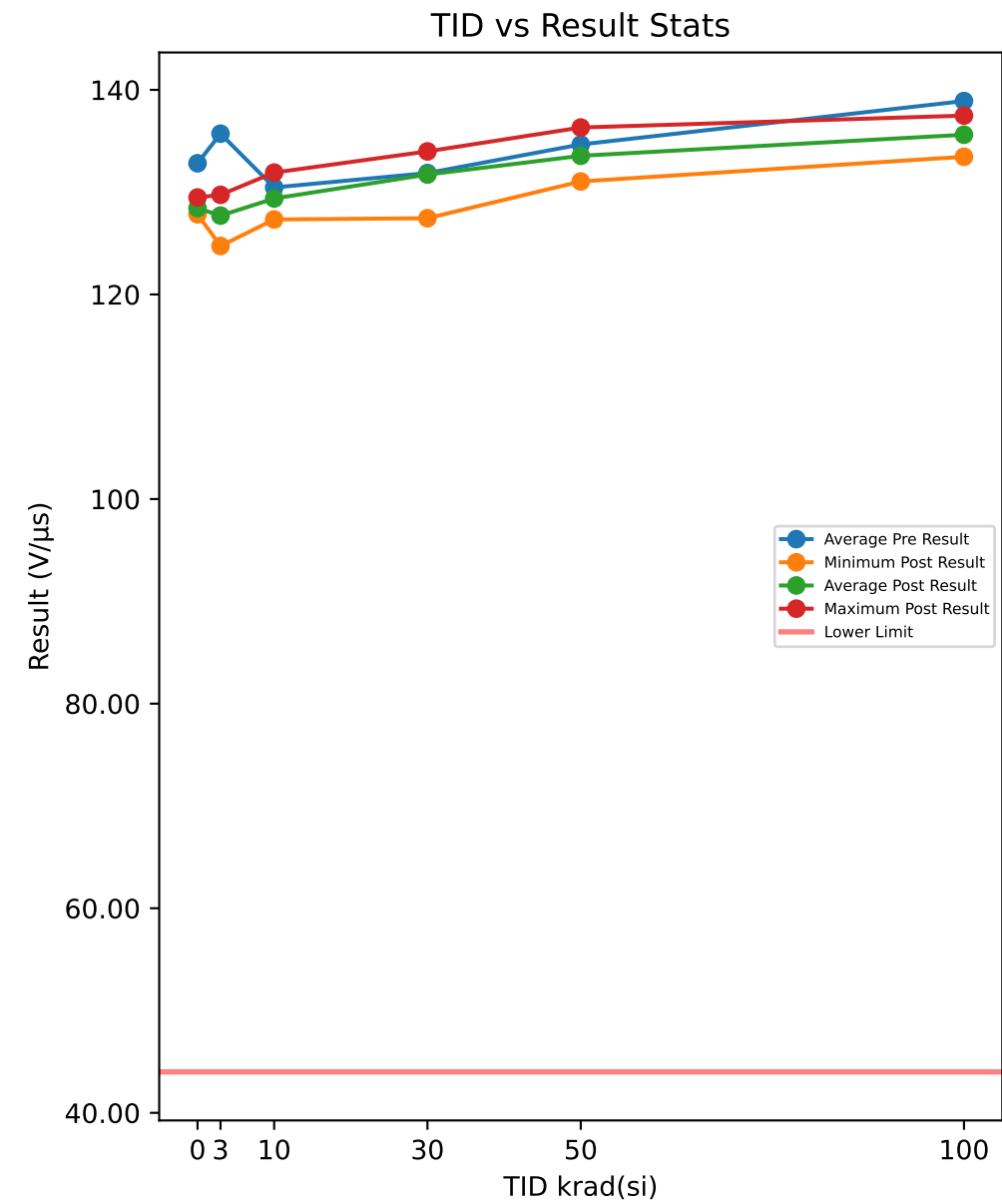
Test Results (Lower Limit = 17.0 (V/μs))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 31.762     | 31.49       | -0.272 |
| 301      | 0        | Correlation         | 32.386     | 32.203      | -0.183 |
| 302      | 0        | Correlation         | 31.308     | 31.163      | -0.145 |
| 303      | 3        | Bias                | 31.667     | 31.251      | -0.416 |
| 304      | 3        | Bias                | 31.582     | 31.103      | -0.479 |
| 305      | 3        | Bias                | 31.935     | 31.303      | -0.632 |
| 306      | 3        | Bias                | 31.764     | 31.282      | -0.482 |
| 307      | 3        | Bias                | 31.617     | 31.156      | -0.461 |
| 308      | 3        | Unbiased            | 31.764     | 31.303      | -0.461 |
| 309      | 3        | Unbiased            | 31.594     | 31.453      | -0.141 |
| 310      | 3        | Unbiased            | 31.491     | 31.104      | -0.387 |
| 311      | 3        | Unbiased            | 32.19      | 31.882      | -0.308 |
| 312      | 3        | Unbiased            | 32.177     | 31.941      | -0.236 |
| 313      | 10       | Bias                | 31.526     | 30.91       | -0.616 |
| 314      | 10       | Bias                | 31.577     | 31.088      | -0.489 |
| 315      | 10       | Bias                | 31.131     | 30.501      | -0.63  |
| 316      | 10       | Bias                | 31.981     | 31.44       | -0.541 |
| 317      | 10       | Bias                | 31.101     | 30.515      | -0.586 |
| 318      | 10       | Unbiased            | 31.507     | 30.968      | -0.539 |
| 319      | 10       | Unbiased            | 31.088     | 30.772      | -0.316 |
| 320      | 10       | Unbiased            | 31.402     | 30.732      | -0.67  |
| 321      | 10       | Unbiased            | 31.175     | 30.783      | -0.392 |
| 322      | 10       | Unbiased            | 31.437     | 31.036      | -0.401 |
| 323      | 30       | Bias                | 31.319     | 30.27       | -1.049 |
| 324      | 30       | Bias                | 31.635     | 30.742      | -0.893 |
| 325      | 30       | Bias                | 31.34      | 30.033      | -1.307 |
| 326      | 30       | Bias                | 31.986     | 30.929      | -1.057 |
| 327      | 30       | Bias                | 31.296     | 30.122      | -1.174 |
| 328      | 30       | Unbiased            | 31.507     | 30.541      | -0.966 |
| 329      | 30       | Unbiased            | 31.316     | 30.465      | -0.851 |
| 330      | 30       | Unbiased            | 32.226     | 30.896      | -1.33  |
| 331      | 30       | Unbiased            | 31.463     | 30.301      | -1.162 |
| 332      | 30       | Unbiased            | 31.258     | 30.023      | -1.235 |
| 333      | 50       | Bias                | 31.987     | 30.443      | -1.544 |
| 334      | 50       | Bias                | 31.395     | 29.629      | -1.766 |
| 335      | 50       | Bias                | 31.17      | 29.326      | -1.844 |
| 336      | 50       | Bias                | 31.372     | 29.403      | -1.969 |
| 337      | 50       | Bias                | 30.967     | 28.785      | -2.182 |
| 338      | 50       | Unbiased            | 31.991     | 30.467      | -1.524 |
| 339      | 50       | Unbiased            | 31.936     | 29.701      | -2.235 |
| 340      | 50       | Unbiased            | 31.689     | 29.499      | -2.19  |
| 341      | 50       | Unbiased            | 31.867     | 29.75       | -2.117 |
| 342      | 50       | Unbiased            | 31.908     | 29.551      | -2.357 |
| 343      | 100      | Bias                | 32.03      | 28.586      | -3.444 |
| 344      | 100      | Bias                | 31.842     | 28.268      | -3.574 |
| 345      | 100      | Bias                | 32.278     | 28.162      | -4.116 |
| 346      | 100      | Bias                | 31.131     | 27.409      | -3.722 |
| 347      | 100      | Bias                | 31.508     | 27.737      | -3.771 |
| 348      | 100      | Unbiased            | 31.901     | 28.518      | -3.383 |
| 349      | 100      | Unbiased            | 31.842     | 28.505      | -3.337 |
| 350      | 100      | Unbiased            | 31.966     | 28.233      | -3.733 |
| 351      | 100      | Unbiased            | 31.412     | 27.82       | -3.592 |
| 352      | 100      | Unbiased            | 32.195     | 28.724      | -3.471 |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 31.308           | 31.819           | 32.386           | 0.54123          | 31.163            | 31.619            | 32.203            | 0.5318            | -0.272    | -0.2      | -0.145    | 0.065184  |
| 3        | 31.491           | 31.778           | 32.19            | 0.2465           | 31.103            | 31.378            | 31.941            | 0.30059           | -0.632    | -0.4003   | -0.141    | 0.14028   |
| 10       | 31.088           | 31.393           | 31.981           | 0.28023          | 30.501            | 30.875            | 31.44             | 0.28075           | -0.67     | -0.518    | -0.316    | 0.11646   |
| 30       | 31.258           | 31.535           | 32.226           | 0.32717          | 30.023            | 30.432            | 30.929            | 0.3395            | -1.33     | -1.1024   | -0.851    | 0.16683   |
| 50       | 30.967           | 31.628           | 31.991           | 0.37435          | 28.785            | 29.655            | 30.467            | 0.50066           | -2.357    | -1.9728   | -1.524    | 0.29302   |
| 100      | 31.131           | 31.811           | 32.278           | 0.35916          | 27.409            | 28.196            | 28.724            | 0.42285           | -4.116    | -3.6143   | -3.337    | 0.2319    |

Device Test: 19.20 ; RESET\_SLEW\_RATE\_FALL



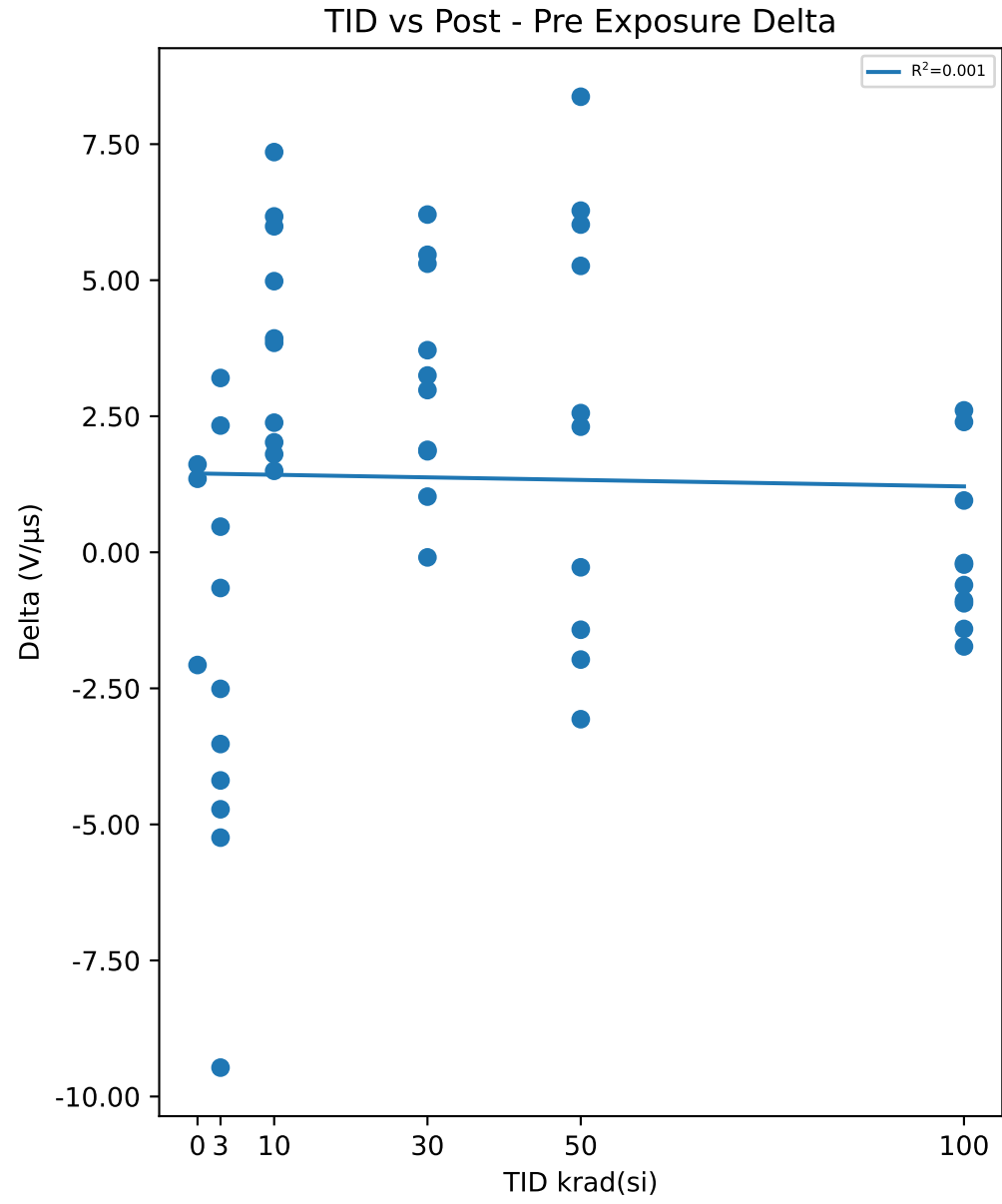
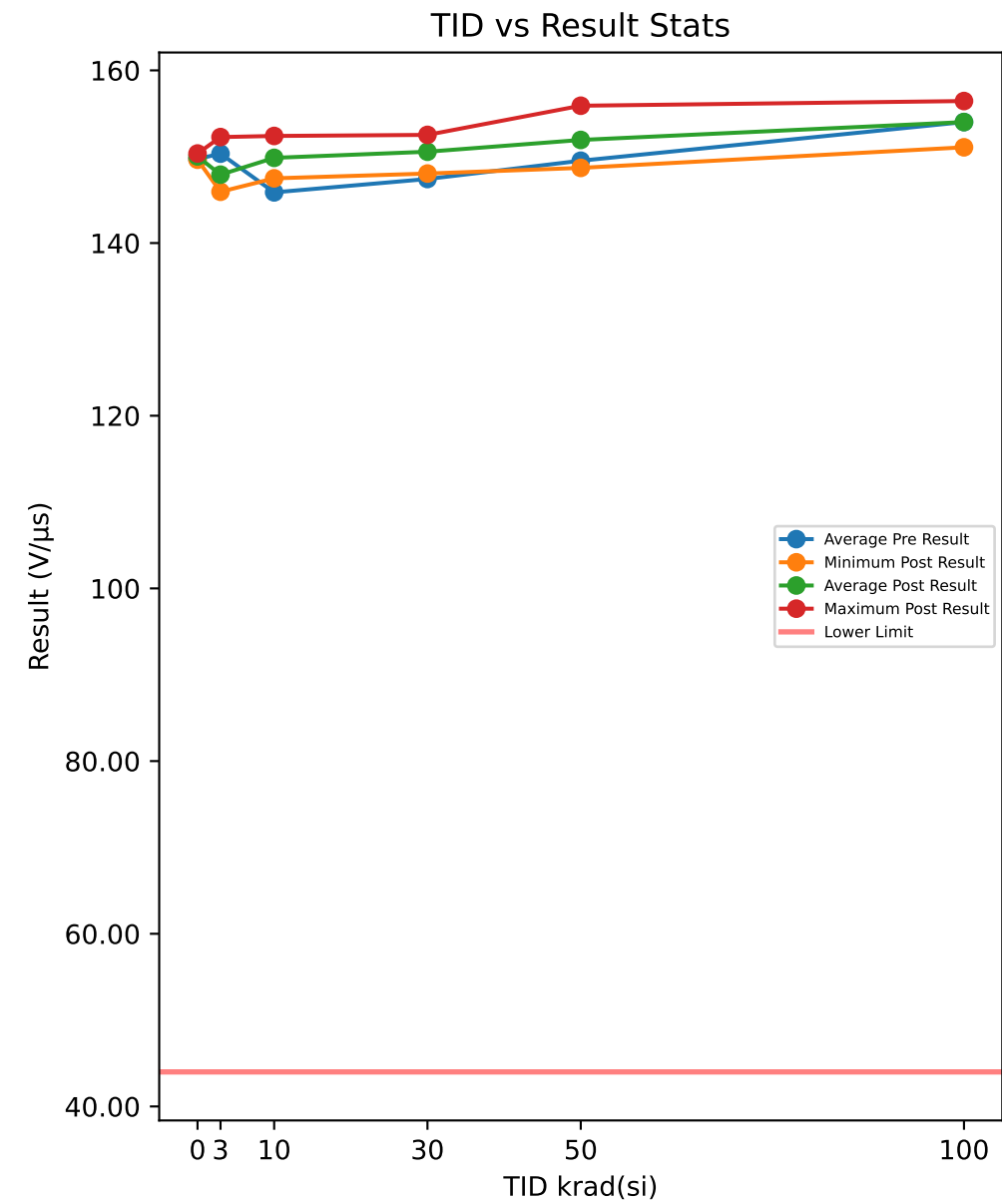
| Test Results (Lower Limit = 44.0 (V/μs)) |          |                     |            |             |         |
|------------------------------------------|----------|---------------------|------------|-------------|---------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta   |
| 300                                      | 0        | Correlation         | 131.34     | 128         | -3.338  |
| 301                                      | 0        | Correlation         | 132.03     | 127.84      | -4.186  |
| 302                                      | 0        | Correlation         | 135.11     | 129.48      | -5.634  |
| 303                                      | 3        | Bias                | 140.1      | 125.71      | -14.384 |
| 304                                      | 3        | Bias                | 137.47     | 124.74      | -12.737 |
| 305                                      | 3        | Bias                | 139.34     | 129.52      | -9.826  |
| 306                                      | 3        | Bias                | 138.58     | 127.74      | -10.84  |
| 307                                      | 3        | Bias                | 137.58     | 128.06      | -9.517  |
| 308                                      | 3        | Unbiased            | 136.96     | 127.91      | -9.058  |
| 309                                      | 3        | Unbiased            | 130.87     | 126.62      | -4.244  |
| 310                                      | 3        | Unbiased            | 130.93     | 128.29      | -2.639  |
| 311                                      | 3        | Unbiased            | 132.4      | 128.74      | -3.662  |
| 312                                      | 3        | Unbiased            | 132.91     | 129.74      | -3.173  |
| 313                                      | 10       | Bias                | 130.18     | 128.97      | -1.203  |
| 314                                      | 10       | Bias                | 131.38     | 131.91      | 0.535   |
| 315                                      | 10       | Bias                | 132.83     | 131.17      | -1.658  |
| 316                                      | 10       | Bias                | 131.28     | 127.82      | -3.457  |
| 317                                      | 10       | Bias                | 130.17     | 130.09      | -0.089  |
| 318                                      | 10       | Unbiased            | 131.54     | 130.05      | -1.491  |
| 319                                      | 10       | Unbiased            | 129.09     | 128.51      | -0.575  |
| 320                                      | 10       | Unbiased            | 129.24     | 127.33      | -1.91   |
| 321                                      | 10       | Unbiased            | 128.34     | 129.53      | 1.188   |
| 322                                      | 10       | Unbiased            | 130.56     | 128.44      | -2.122  |
| 323                                      | 30       | Bias                | 129.11     | 128.45      | -0.656  |
| 324                                      | 30       | Bias                | 132.56     | 133         | 0.432   |
| 325                                      | 30       | Bias                | 132.78     | 133.49      | 0.7     |
| 326                                      | 30       | Bias                | 132.64     | 133.07      | 0.424   |
| 327                                      | 30       | Bias                | 131.04     | 132.45      | 1.404   |
| 328                                      | 30       | Unbiased            | 133.8      | 133.99      | 0.187   |
| 329                                      | 30       | Unbiased            | 129.01     | 127.45      | -1.56   |
| 330                                      | 30       | Unbiased            | 135.66     | 132.97      | -2.688  |
| 331                                      | 30       | Unbiased            | 130.68     | 131.62      | 0.942   |
| 332                                      | 30       | Unbiased            | 131.37     | 130.73      | -0.639  |
| 333                                      | 50       | Bias                | 134.8      | 135.46      | 0.658   |
| 334                                      | 50       | Bias                | 132.87     | 136.09      | 3.222   |
| 335                                      | 50       | Bias                | 129.82     | 132.94      | 3.114   |
| 336                                      | 50       | Bias                | 130.28     | 134.85      | 4.566   |
| 337                                      | 50       | Bias                | 131.18     | 132.84      | 1.667   |
| 338                                      | 50       | Unbiased            | 130.11     | 131.05      | 0.936   |
| 339                                      | 50       | Unbiased            | 141.96     | 136.32      | -5.637  |
| 340                                      | 50       | Unbiased            | 137.85     | 131.59      | -6.266  |
| 341                                      | 50       | Unbiased            | 137.23     | 131.62      | -5.601  |
| 342                                      | 50       | Unbiased            | 140.55     | 132.79      | -7.759  |
| 343                                      | 100      | Bias                | 138.32     | 134.81      | -3.512  |
| 344                                      | 100      | Bias                | 139.89     | 137.48      | -2.408  |
| 345                                      | 100      | Bias                | 141.21     | 136.44      | -4.773  |
| 346                                      | 100      | Bias                | 137.47     | 135.35      | -2.121  |
| 347                                      | 100      | Bias                | 137.18     | 136.57      | -0.617  |
| 348                                      | 100      | Unbiased            | 139.18     | 133.77      | -5.413  |
| 349                                      | 100      | Unbiased            | 138.03     | 133.46      | -4.567  |
| 350                                      | 100      | Unbiased            | 140.01     | 135.76      | -4.251  |
| 351                                      | 100      | Unbiased            | 136.17     | 135.32      | -0.854  |
| 352                                      | 100      | Unbiased            | 141.6      | 137.16      | -4.436  |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 131.34           | 132.82           | 135.11           | 2.0107           | 127.84            | 128.44            | 129.48            | 0.90355           | -5.634    | -4.386    | -3.338    | 1.161     |
| 3        | 130.87           | 135.72           | 140.1            | 3.5574           | 124.74            | 127.71            | 129.74            | 1.5969            | -14.384   | -8.008    | -2.639    | 4.2555    |
| 10       | 128.34           | 130.46           | 132.83           | 1.3472           | 127.33            | 129.38            | 131.91            | 1.4551            | -3.457    | -1.0782   | 1.188     | 1.3716    |
| 30       | 129.01           | 131.87           | 135.66           | 2.0589           | 127.45            | 131.72            | 133.99            | 2.2032            | -2.688    | -0.1454   | 1.404     | 1.2488    |
| 50       | 129.82           | 134.66           | 141.96           | 4.5131           | 131.05            | 133.55            | 136.32            | 1.9643            | -7.759    | -1.11     | 4.566     | 4.6584    |
| 100      | 136.17           | 138.91           | 141.6            | 1.7777           | 133.46            | 135.61            | 137.48            | 1.3477            | -5.413    | -3.2952   | -0.617    | 1.6946    |



Device Test: 19.21 ; RESET\_SLEW\_RATE\_FALL

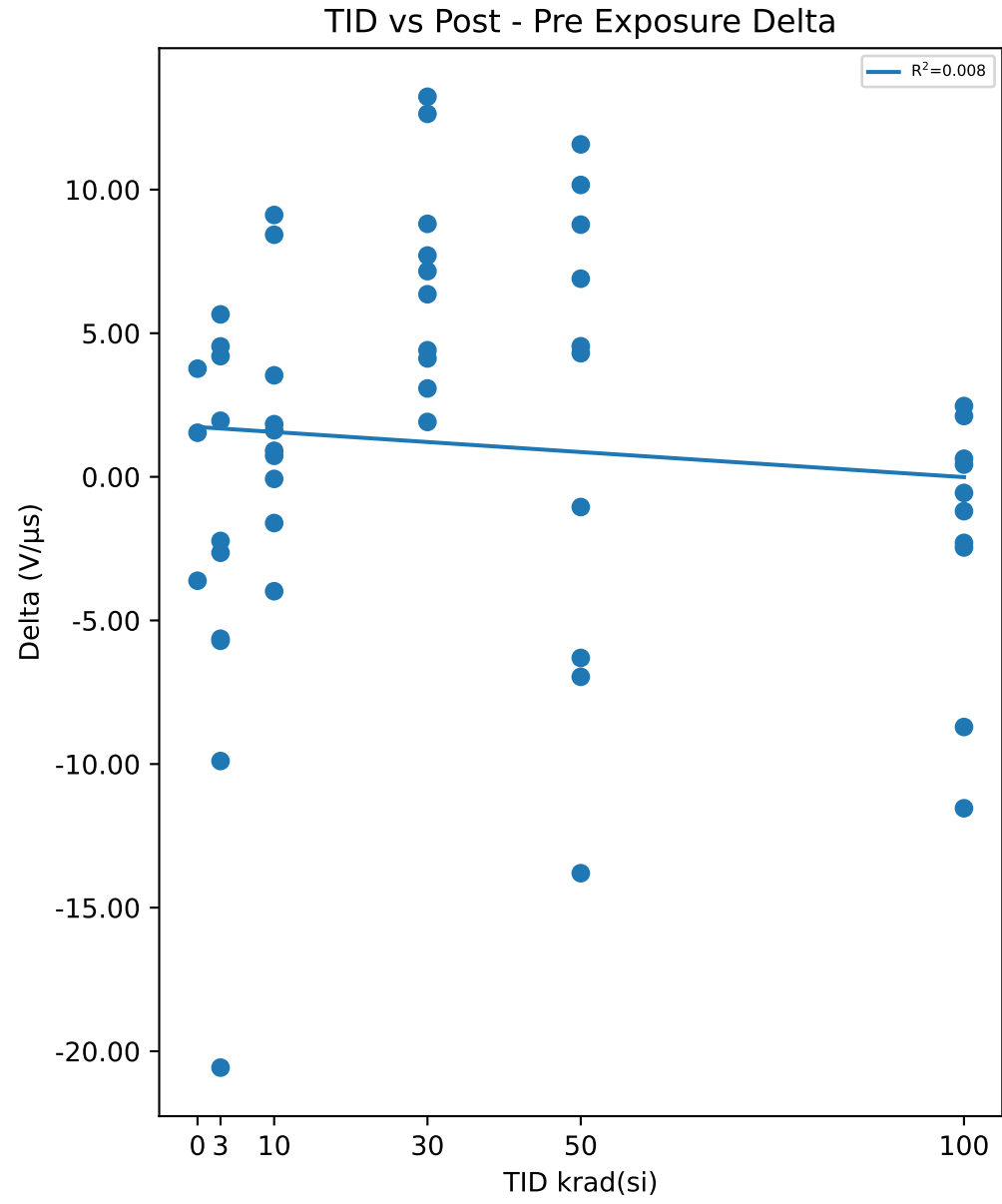
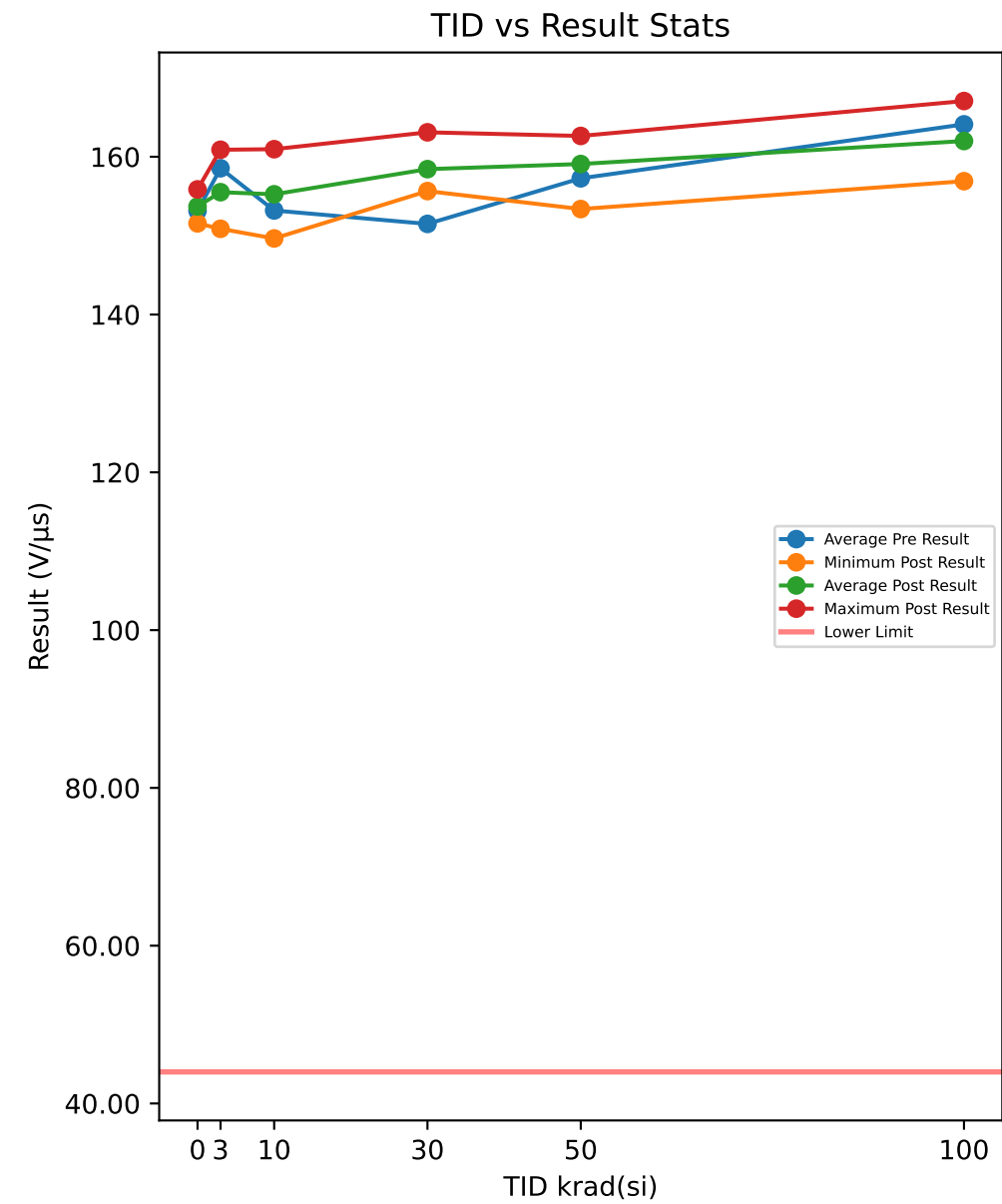


| Test Results (Lower Limit = 44.0 (V/μs)) |          |                     |            |             |        |
|------------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                      | 0        | Correlation         | 149.02     | 150.37      | 1.351  |
| 301                                      | 0        | Correlation         | 151.72     | 149.65      | -2.071 |
| 302                                      | 0        | Correlation         | 148.48     | 150.09      | 1.615  |
| 303                                      | 3        | Bias                | 151.07     | 147.54      | -3.523 |
| 304                                      | 3        | Bias                | 151.53     | 146.28      | -5.243 |
| 305                                      | 3        | Bias                | 157.97     | 148.51      | -9.469 |
| 306                                      | 3        | Bias                | 152.14     | 147.41      | -4.722 |
| 307                                      | 3        | Bias                | 151.08     | 146.89      | -4.192 |
| 308                                      | 3        | Unbiased            | 150.12     | 147.61      | -2.509 |
| 309                                      | 3        | Unbiased            | 144.54     | 146.87      | 2.329  |
| 310                                      | 3        | Unbiased            | 145.47     | 145.94      | 0.471  |
| 311                                      | 3        | Unbiased            | 149.07     | 152.27      | 3.203  |
| 312                                      | 3        | Unbiased            | 150.53     | 149.87      | -0.656 |
| 313                                      | 10       | Bias                | 147.72     | 151.65      | 3.93   |
| 314                                      | 10       | Bias                | 146.23     | 152.4       | 6.172  |
| 315                                      | 10       | Bias                | 147.72     | 149.52      | 1.803  |
| 316                                      | 10       | Bias                | 147.31     | 148.8       | 1.497  |
| 317                                      | 10       | Bias                | 143.61     | 149.6       | 5.99   |
| 318                                      | 10       | Unbiased            | 146.25     | 151.23      | 4.982  |
| 319                                      | 10       | Unbiased            | 145.27     | 149.12      | 3.849  |
| 320                                      | 10       | Unbiased            | 145.11     | 147.5       | 2.382  |
| 321                                      | 10       | Unbiased            | 143.34     | 150.69      | 7.354  |
| 322                                      | 10       | Unbiased            | 146.14     | 148.16      | 2.021  |
| 323                                      | 30       | Bias                | 143.68     | 149.15      | 5.467  |
| 324                                      | 30       | Bias                | 149.28     | 152.53      | 3.249  |
| 325                                      | 30       | Bias                | 150.1      | 151.99      | 1.883  |
| 326                                      | 30       | Bias                | 148.24     | 149.26      | 1.023  |
| 327                                      | 30       | Bias                | 145.05     | 150.35      | 5.303  |
| 328                                      | 30       | Unbiased            | 150.57     | 150.47      | -0.094 |
| 329                                      | 30       | Unbiased            | 144.34     | 148.05      | 3.714  |
| 330                                      | 30       | Unbiased            | 150.66     | 152.52      | 1.856  |
| 331                                      | 30       | Unbiased            | 145.67     | 151.88      | 6.206  |
| 332                                      | 30       | Unbiased            | 146.59     | 149.57      | 2.981  |
| 333                                      | 50       | Bias                | 150.03     | 152.59      | 2.558  |
| 334                                      | 50       | Bias                | 146.26     | 154.63      | 8.371  |
| 335                                      | 50       | Bias                | 142.69     | 148.71      | 6.022  |
| 336                                      | 50       | Bias                | 147.34     | 153.62      | 6.278  |
| 337                                      | 50       | Bias                | 144.85     | 150.12      | 5.263  |
| 338                                      | 50       | Unbiased            | 147.44     | 149.74      | 2.308  |
| 339                                      | 50       | Unbiased            | 157.88     | 155.91      | -1.971 |
| 340                                      | 50       | Unbiased            | 153.55     | 152.13      | -1.423 |
| 341                                      | 50       | Unbiased            | 150.9      | 150.62      | -0.276 |
| 342                                      | 50       | Unbiased            | 154.43     | 151.36      | -3.067 |
| 343                                      | 100      | Bias                | 156.51     | 155.91      | -0.602 |
| 344                                      | 100      | Bias                | 154.17     | 153.23      | -0.937 |
| 345                                      | 100      | Bias                | 155.37     | 153.96      | -1.408 |
| 346                                      | 100      | Bias                | 152.01     | 151.81      | -0.197 |
| 347                                      | 100      | Bias                | 152.34     | 154.95      | 2.608  |
| 348                                      | 100      | Unbiased            | 154.05     | 156.45      | 2.395  |
| 349                                      | 100      | Unbiased            | 151.31     | 151.09      | -0.226 |
| 350                                      | 100      | Unbiased            | 154.23     | 153.34      | -0.888 |
| 351                                      | 100      | Unbiased            | 153.34     | 154.29      | 0.952  |
| 352                                      | 100      | Unbiased            | 156.82     | 155.09      | -1.73  |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 148.48           | 149.74           | 151.72           | 1.7394           | 149.65            | 150.04            | 150.37            | 0.3615            | -2.071    | 0.29833   | 1.615     | 2.0561    |
| 3        | 144.54           | 150.35           | 157.97           | 3.698            | 145.94            | 147.92            | 152.27            | 1.8963            | -9.469    | -2.4311   | 3.203     | 3.8436    |
| 10       | 143.34           | 145.87           | 147.72           | 1.5518           | 147.5             | 149.87            | 152.4             | 1.5833            | 1.497     | 3.998     | 7.354     | 2.0695    |
| 30       | 143.68           | 147.42           | 150.66           | 2.6778           | 148.05            | 150.58            | 152.53            | 1.5801            | -0.094    | 3.1588    | 6.206     | 2.0555    |
| 50       | 142.69           | 149.54           | 157.88           | 4.721            | 148.71            | 151.94            | 155.91            | 2.2823            | -3.067    | 2.4063    | 8.371     | 3.9834    |
| 100      | 151.31           | 154.02           | 156.82           | 1.8434           | 151.09            | 154.01            | 156.45            | 1.703             | -1.73     | -0.0033   | 2.608     | 1.5106    |

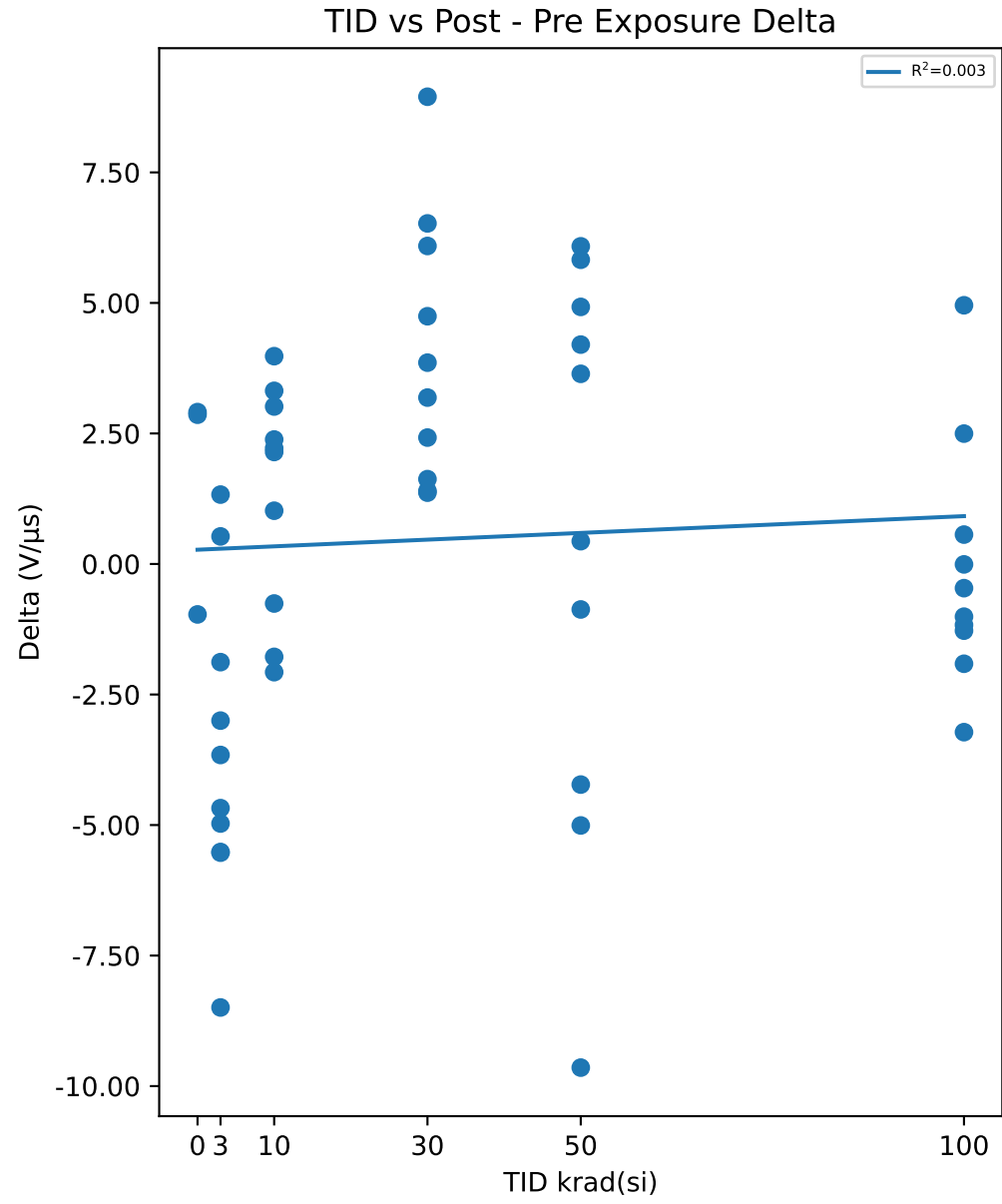
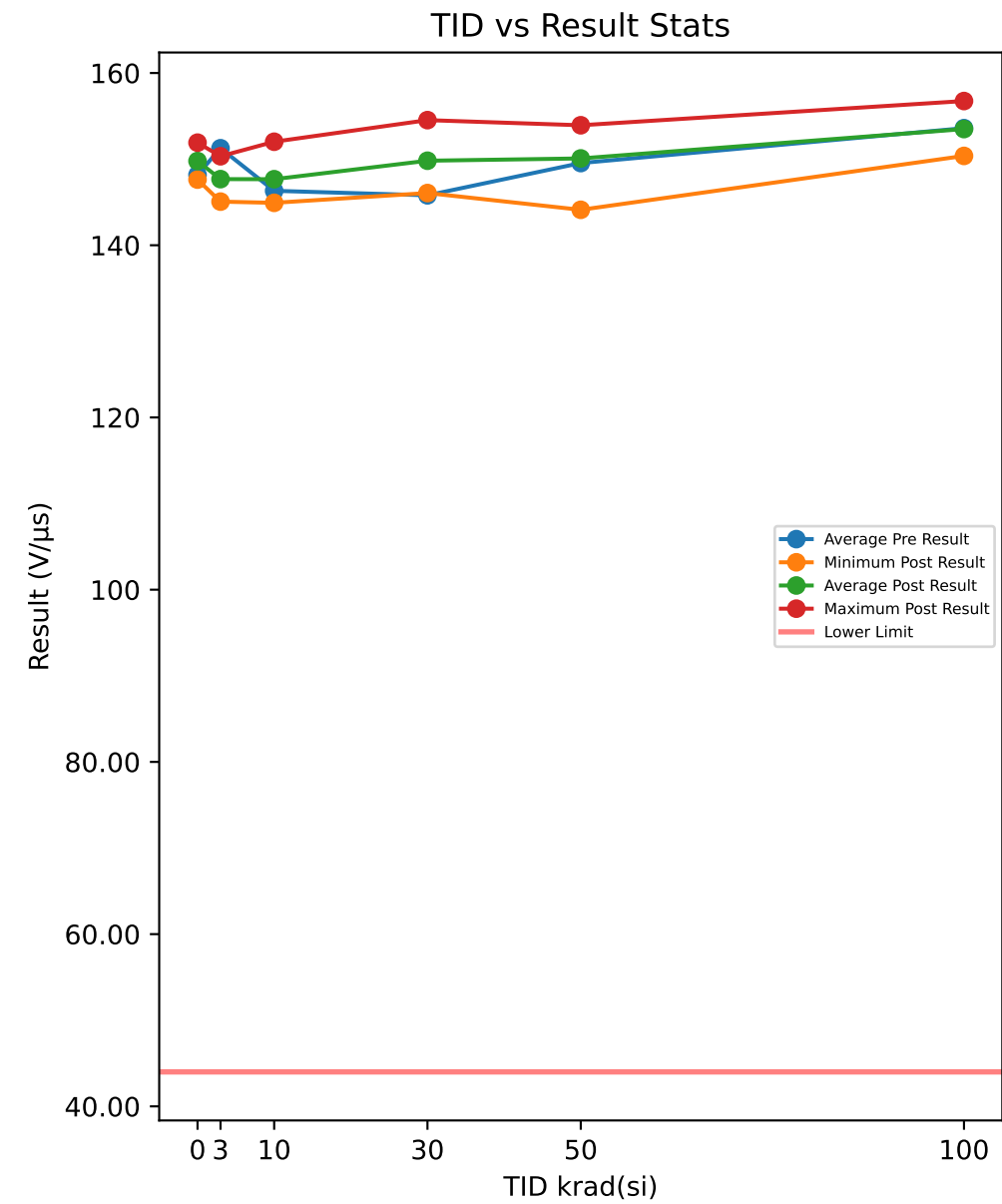
Device Test: 19.22 ; PWRGD\_SLEW\_RATE\_FALL



| Test Results (Lower Limit = 44.0 (V/μs)) |          |                     |            |             |         |
|------------------------------------------|----------|---------------------|------------|-------------|---------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta   |
| 300                                      | 0        | Correlation         | 155.17     | 151.56      | -3.618  |
| 301                                      | 0        | Correlation         | 152.13     | 153.66      | 1.535   |
| 302                                      | 0        | Correlation         | 152.1      | 155.87      | 3.766   |
| 303                                      | 3        | Bias                | 160.77     | 150.87      | -9.895  |
| 304                                      | 3        | Bias                | 155.16     | 152.93      | -2.232  |
| 305                                      | 3        | Bias                | 158.94     | 160.89      | 1.953   |
| 306                                      | 3        | Bias                | 160.2      | 154.56      | -5.637  |
| 307                                      | 3        | Bias                | 158.81     | 156.17      | -2.643  |
| 308                                      | 3        | Unbiased            | 175.07     | 154.5       | -20.57  |
| 309                                      | 3        | Unbiased            | 152.7      | 156.9       | 4.201   |
| 310                                      | 3        | Unbiased            | 150.2      | 154.74      | 4.541   |
| 311                                      | 3        | Unbiased            | 154.77     | 160.42      | 5.656   |
| 312                                      | 3        | Unbiased            | 158.82     | 153.11      | -5.708  |
| 313                                      | 10       | Bias                | 151.31     | 159.74      | 8.429   |
| 314                                      | 10       | Bias                | 156.2      | 157.11      | 0.907   |
| 315                                      | 10       | Bias                | 155.36     | 151.38      | -3.983  |
| 316                                      | 10       | Bias                | 154.55     | 152.94      | -1.609  |
| 317                                      | 10       | Bias                | 151.96     | 152.69      | 0.731   |
| 318                                      | 10       | Unbiased            | 153.92     | 157.46      | 3.535   |
| 319                                      | 10       | Unbiased            | 149.72     | 149.65      | -0.072  |
| 320                                      | 10       | Unbiased            | 151.84     | 160.96      | 9.117   |
| 321                                      | 10       | Unbiased            | 151.38     | 153.22      | 1.833   |
| 322                                      | 10       | Unbiased            | 155.67     | 157.29      | 1.62    |
| 323                                      | 30       | Bias                | 146.57     | 159.8       | 13.234  |
| 324                                      | 30       | Bias                | 150.11     | 156.47      | 6.357   |
| 325                                      | 30       | Bias                | 152.01     | 156.14      | 4.122   |
| 326                                      | 30       | Bias                | 150.46     | 163.1       | 12.638  |
| 327                                      | 30       | Bias                | 151.55     | 160.36      | 8.809   |
| 328                                      | 30       | Unbiased            | 156.5      | 158.41      | 1.911   |
| 329                                      | 30       | Unbiased            | 151.89     | 159.59      | 7.706   |
| 330                                      | 30       | Unbiased            | 152.59     | 155.66      | 3.077   |
| 331                                      | 30       | Unbiased            | 151.97     | 159.13      | 7.161   |
| 332                                      | 30       | Unbiased            | 151.24     | 155.65      | 4.407   |
| 333                                      | 50       | Bias                | 155.05     | 161.95      | 6.899   |
| 334                                      | 50       | Bias                | 149.85     | 160.02      | 10.163  |
| 335                                      | 50       | Bias                | 151.06     | 162.64      | 11.575  |
| 336                                      | 50       | Bias                | 155.81     | 160.12      | 4.304   |
| 337                                      | 50       | Bias                | 148.28     | 157.06      | 8.781   |
| 338                                      | 50       | Unbiased            | 148.83     | 153.37      | 4.547   |
| 339                                      | 50       | Unbiased            | 174.6      | 160.79      | -13.801 |
| 340                                      | 50       | Unbiased            | 159.71     | 153.4       | -6.305  |
| 341                                      | 50       | Unbiased            | 167.14     | 160.18      | -6.963  |
| 342                                      | 50       | Unbiased            | 162.34     | 161.28      | -1.052  |
| 343                                      | 100      | Bias                | 173.24     | 161.7       | -11.54  |
| 344                                      | 100      | Bias                | 166.31     | 165.11      | -1.196  |
| 345                                      | 100      | Bias                | 164.6      | 167.06      | 2.465   |
| 346                                      | 100      | Bias                | 158.43     | 158.85      | 0.425   |
| 347                                      | 100      | Bias                | 169.04     | 166.74      | -2.3    |
| 348                                      | 100      | Unbiased            | 166.96     | 158.25      | -8.71   |
| 349                                      | 100      | Unbiased            | 157.46     | 156.9       | -0.561  |
| 350                                      | 100      | Unbiased            | 161.2      | 163.31      | 2.117   |
| 351                                      | 100      | Unbiased            | 159.83     | 160.46      | 0.63    |
| 352                                      | 100      | Unbiased            | 164.03     | 161.57      | -2.461  |

Test Statistics (V/μs)

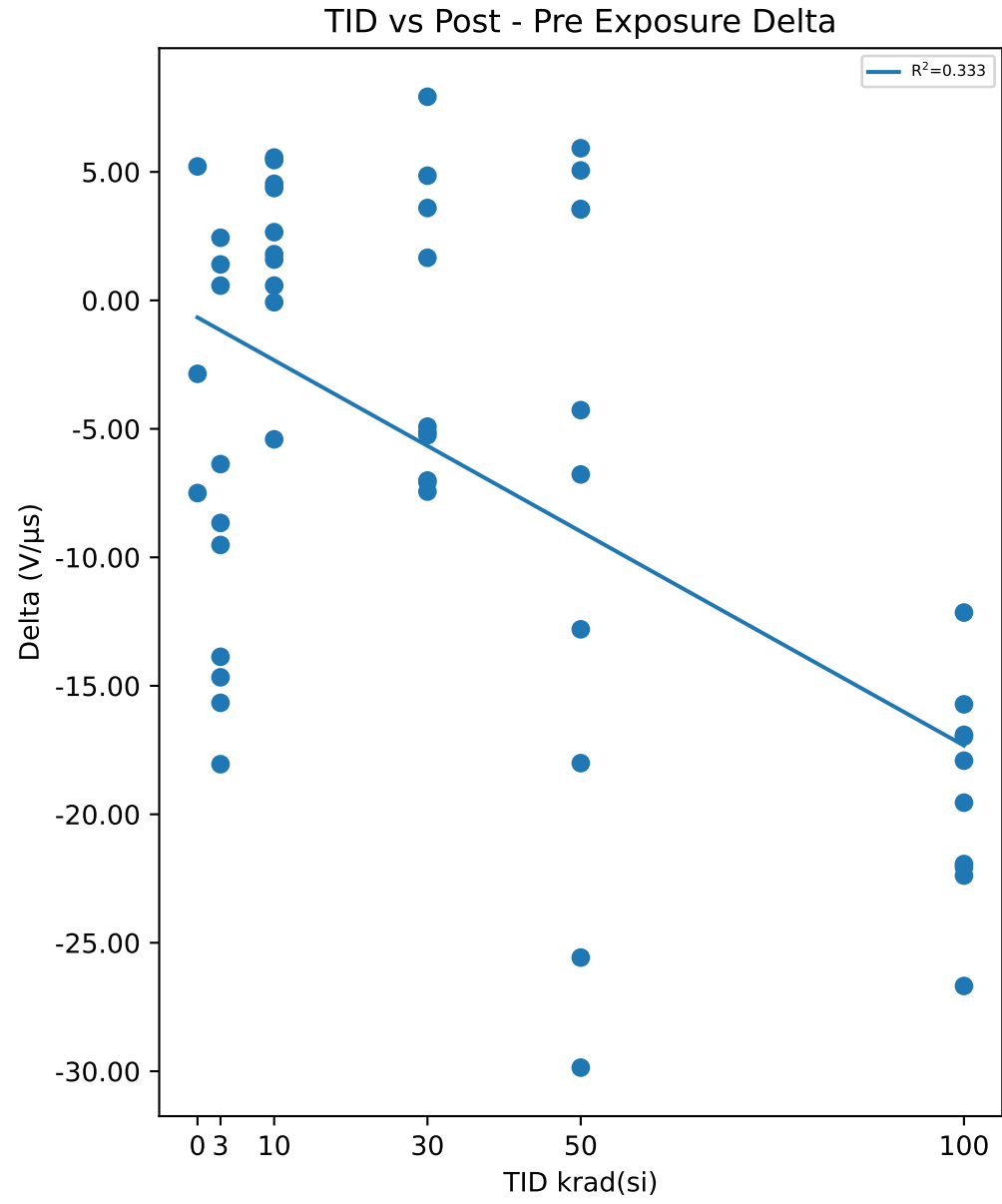
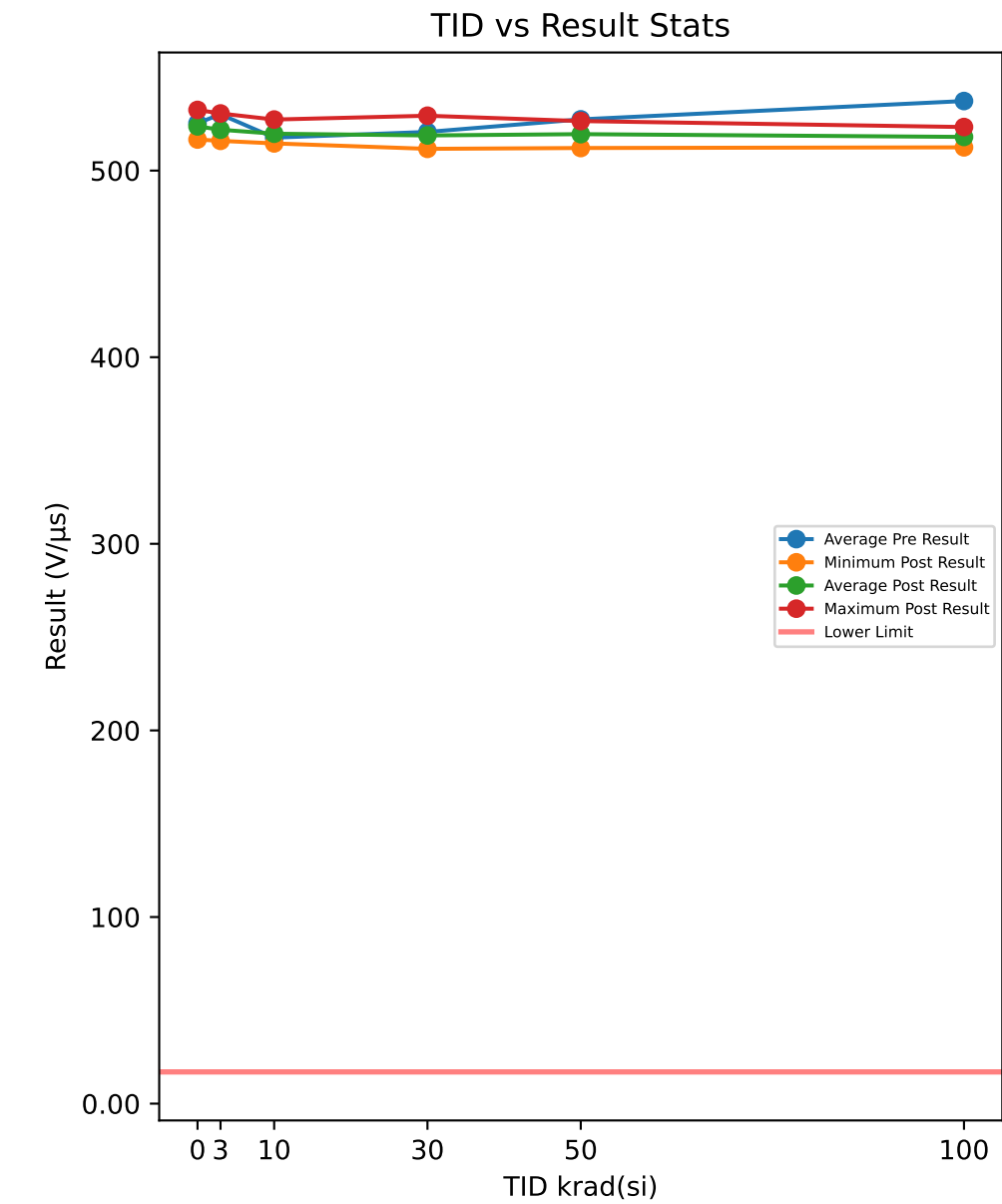
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 152.1            | 153.13           | 155.17           | 1.7673           | 151.56            | 153.69            | 155.87            | 2.1547            | -3.618    | 0.561     | 3.766     | 3.7871    |
| 3        | 150.2            | 158.54           | 175.07           | 6.7533           | 150.87            | 155.51            | 160.89            | 3.1954            | -20.57    | -3.0334   | 5.656     | 8.0237    |
| 10       | 149.72           | 153.19           | 156.2            | 2.2232           | 149.65            | 155.24            | 160.96            | 3.7671            | -3.983    | 2.0508    | 9.117     | 4.088     |
| 30       | 146.57           | 151.49           | 156.5            | 2.4548           | 155.65            | 158.43            | 163.1             | 2.4437            | 1.911     | 6.9422    | 13.234    | 3.8169    |
| 50       | 148.28           | 157.27           | 174.6            | 8.7048           | 153.37            | 159.08            | 162.64            | 3.3458            | -13.801   | 1.8148    | 11.575    | 8.4856    |
| 100      | 157.46           | 164.11           | 173.24           | 4.9909           | 156.9             | 162               | 167.06            | 3.5296            | -11.54    | -2.1131   | 2.465     | 4.5779    |



| Test Results (Lower Limit = 44.0 (V/μs)) |          |                     |            |             |        |
|------------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                      | 0        | Correlation         | 144.71     | 147.62      | 2.909  |
| 301                                      | 0        | Correlation         | 150.77     | 149.8       | -0.966 |
| 302                                      | 0        | Correlation         | 149.05     | 151.91      | 2.859  |
| 303                                      | 3        | Bias                | 151.75     | 146.22      | -5.529 |
| 304                                      | 3        | Bias                | 153.05     | 148.37      | -4.676 |
| 305                                      | 3        | Bias                | 157        | 148.51      | -8.494 |
| 306                                      | 3        | Bias                | 154.23     | 149.26      | -4.971 |
| 307                                      | 3        | Bias                | 152.46     | 146.94      | -5.516 |
| 308                                      | 3        | Unbiased            | 153.99     | 150.33      | -3.658 |
| 309                                      | 3        | Unbiased            | 148.06     | 145.06      | -3     |
| 310                                      | 3        | Unbiased            | 144.91     | 145.44      | 0.528  |
| 311                                      | 3        | Unbiased            | 148.13     | 149.46      | 1.329  |
| 312                                      | 3        | Unbiased            | 149.06     | 147.18      | -1.88  |
| 313                                      | 10       | Bias                | 144.21     | 147.23      | 3.016  |
| 314                                      | 10       | Bias                | 148.04     | 152.02      | 3.98   |
| 315                                      | 10       | Bias                | 146.66     | 147.68      | 1.02   |
| 316                                      | 10       | Bias                | 147.51     | 145.74      | -1.779 |
| 317                                      | 10       | Bias                | 148.26     | 147.5       | -0.757 |
| 318                                      | 10       | Unbiased            | 147.01     | 149.16      | 2.145  |
| 319                                      | 10       | Unbiased            | 143.26     | 145.65      | 2.384  |
| 320                                      | 10       | Unbiased            | 147.33     | 149.55      | 2.217  |
| 321                                      | 10       | Unbiased            | 147        | 144.93      | -2.072 |
| 322                                      | 10       | Unbiased            | 143.94     | 147.25      | 3.316  |
| 323                                      | 30       | Bias                | 145.92     | 147.28      | 1.366  |
| 324                                      | 30       | Bias                | 144.98     | 148.17      | 3.187  |
| 325                                      | 30       | Bias                | 148.07     | 150.5       | 2.421  |
| 326                                      | 30       | Bias                | 144.44     | 150.53      | 6.091  |
| 327                                      | 30       | Bias                | 145.58     | 154.53      | 8.949  |
| 328                                      | 30       | Unbiased            | 147.58     | 151.44      | 3.856  |
| 329                                      | 30       | Unbiased            | 149.13     | 153.87      | 4.745  |
| 330                                      | 30       | Unbiased            | 145.79     | 147.19      | 1.4    |
| 331                                      | 30       | Unbiased            | 142.06     | 148.58      | 6.523  |
| 332                                      | 30       | Unbiased            | 144.44     | 146.06      | 1.625  |
| 333                                      | 50       | Bias                | 147.85     | 153.93      | 6.084  |
| 334                                      | 50       | Bias                | 148.8      | 152.44      | 3.642  |
| 335                                      | 50       | Bias                | 145.07     | 149.99      | 4.924  |
| 336                                      | 50       | Bias                | 147.53     | 151.74      | 4.202  |
| 337                                      | 50       | Bias                | 146.83     | 152.66      | 5.827  |
| 338                                      | 50       | Unbiased            | 148.08     | 148.52      | 0.437  |
| 339                                      | 50       | Unbiased            | 154.33     | 149.32      | -5.008 |
| 340                                      | 50       | Unbiased            | 148.34     | 144.12      | -4.225 |
| 341                                      | 50       | Unbiased            | 151.27     | 150.4       | -0.871 |
| 342                                      | 50       | Unbiased            | 157.33     | 147.69      | -9.646 |
| 343                                      | 100      | Bias                | 157.21     | 156.75      | -0.463 |
| 344                                      | 100      | Bias                | 150.65     | 153.15      | 2.497  |
| 345                                      | 100      | Bias                | 152.56     | 153.13      | 0.563  |
| 346                                      | 100      | Bias                | 157.51     | 154.29      | -3.221 |
| 347                                      | 100      | Bias                | 157.1      | 155.19      | -1.911 |
| 348                                      | 100      | Unbiased            | 154.51     | 153.24      | -1.277 |
| 349                                      | 100      | Unbiased            | 151.72     | 150.55      | -1.168 |
| 350                                      | 100      | Unbiased            | 149.83     | 154.78      | 4.955  |
| 351                                      | 100      | Unbiased            | 150.38     | 150.37      | -0.008 |
| 352                                      | 100      | Unbiased            | 154.49     | 153.48      | -1.009 |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 144.71           | 148.18           | 150.77           | 3.1206           | 147.62            | 149.78            | 151.91            | 2.1456            | -0.966    | 1.6007    | 2.909     | 2.2229    |
| 3        | 144.91           | 151.26           | 157              | 3.641            | 145.06            | 147.68            | 150.33            | 1.7841            | -8.494    | -3.5867   | 1.329     | 2.9634    |
| 10       | 143.26           | 146.32           | 148.26           | 1.8167           | 144.93            | 147.67            | 152.02            | 2.1197            | -2.072    | 1.347     | 3.98      | 2.1618    |
| 30       | 142.06           | 145.8            | 149.13           | 2.051            | 146.06            | 149.81            | 154.53            | 2.8645            | 1.366     | 4.0163    | 8.949     | 2.5451    |
| 50       | 145.07           | 149.54           | 157.33           | 3.7272           | 144.12            | 150.08            | 153.93            | 2.8717            | -9.646    | 0.5366    | 6.084     | 5.3767    |
| 100      | 149.83           | 153.6            | 157.51           | 2.9831           | 150.37            | 153.49            | 156.75            | 1.9569            | -3.221    | -0.1042   | 4.955     | 2.3393    |

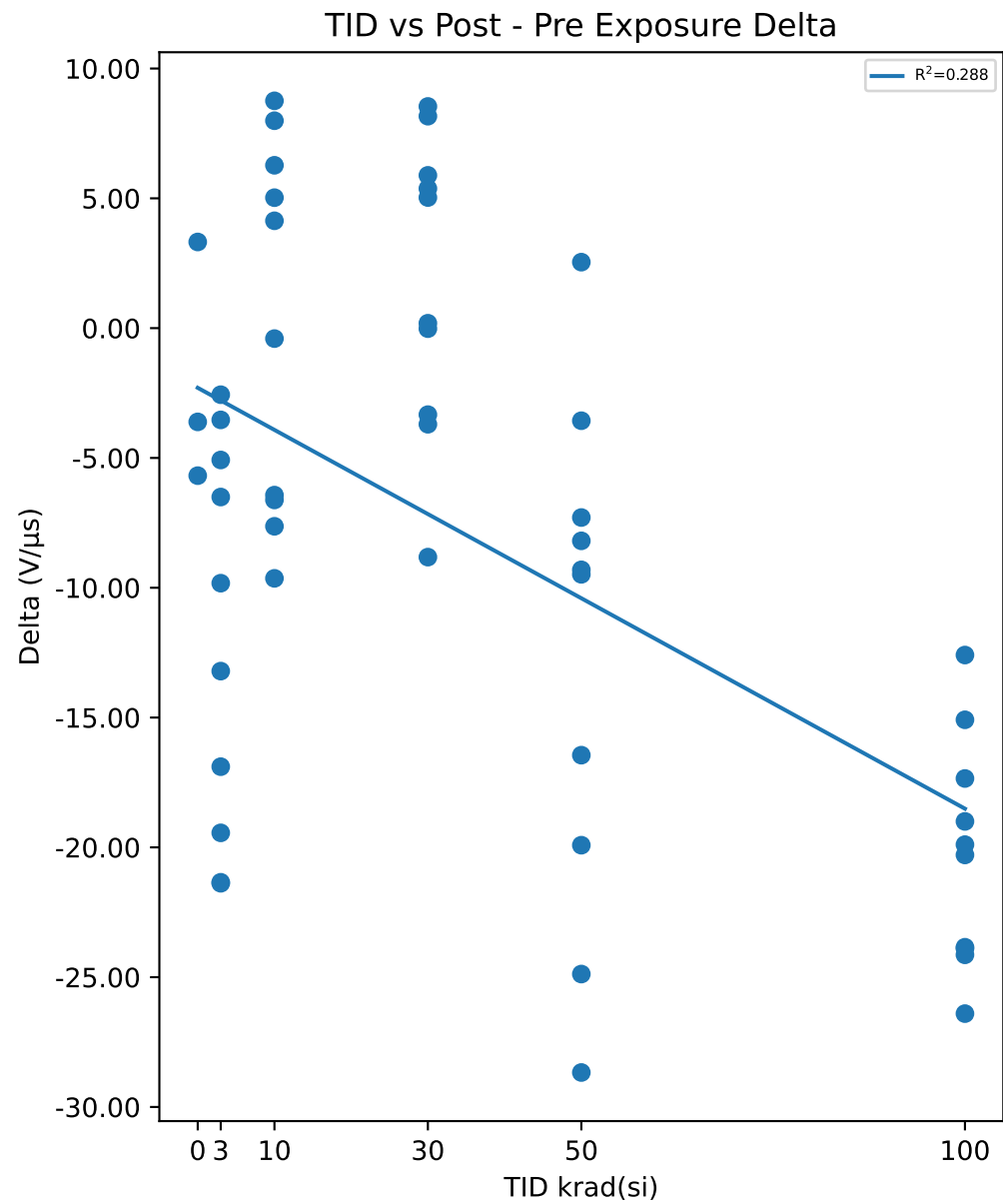
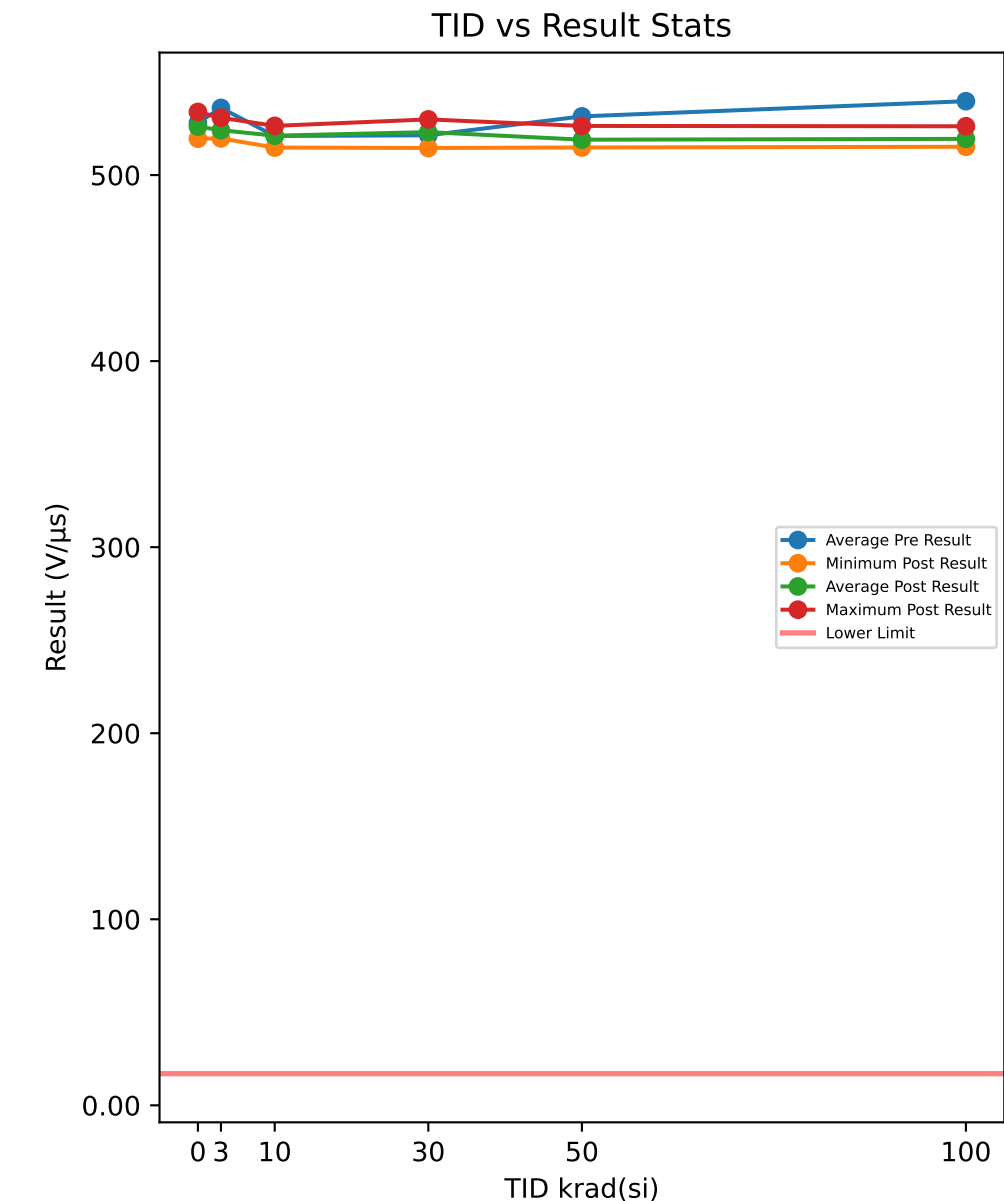


| Test Results (Lower Limit = 17.0 (V/μs)) |          |                     |            |             |         |
|------------------------------------------|----------|---------------------|------------|-------------|---------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta   |
| 300                                      | 0        | Correlation         | 516.71     | 521.92      | 5.214   |
| 301                                      | 0        | Correlation         | 535.37     | 532.51      | -2.858  |
| 302                                      | 0        | Correlation         | 524.15     | 516.65      | -7.499  |
| 303                                      | 3        | Bias                | 536.77     | 521.11      | -15.662 |
| 304                                      | 3        | Bias                | 527.75     | 518.23      | -9.519  |
| 305                                      | 3        | Bias                | 527.81     | 519.15      | -8.661  |
| 306                                      | 3        | Bias                | 535.39     | 521.52      | -13.871 |
| 307                                      | 3        | Bias                | 533.29     | 518.62      | -14.669 |
| 308                                      | 3        | Unbiased            | 541.73     | 523.68      | -18.051 |
| 309                                      | 3        | Unbiased            | 523.07     | 525.51      | 2.437   |
| 310                                      | 3        | Unbiased            | 522.31     | 515.94      | -6.372  |
| 311                                      | 3        | Unbiased            | 530.04     | 530.61      | 0.574   |
| 312                                      | 3        | Unbiased            | 523.22     | 524.62      | 1.399   |
| 313                                      | 10       | Bias                | 510.37     | 514.74      | 4.371   |
| 314                                      | 10       | Bias                | 516.16     | 518.81      | 2.655   |
| 315                                      | 10       | Bias                | 516.66     | 522.12      | 5.461   |
| 316                                      | 10       | Bias                | 518.39     | 523.95      | 5.56    |
| 317                                      | 10       | Bias                | 512.61     | 517.15      | 4.538   |
| 318                                      | 10       | Unbiased            | 524.36     | 525.95      | 1.587   |
| 319                                      | 10       | Unbiased            | 514.64     | 514.57      | -0.073  |
| 320                                      | 10       | Unbiased            | 520.05     | 514.64      | -5.408  |
| 321                                      | 10       | Unbiased            | 516.6      | 518.4       | 1.797   |
| 322                                      | 10       | Unbiased            | 526.78     | 527.35      | 0.576   |
| 323                                      | 30       | Bias                | 519.09     | 511.65      | -7.442  |
| 324                                      | 30       | Bias                | 524.43     | 517.42      | -7.011  |
| 325                                      | 30       | Bias                | 520.06     | 514.81      | -5.25   |
| 326                                      | 30       | Bias                | 524.55     | 529.4       | 4.853   |
| 327                                      | 30       | Bias                | 519.06     | 513.94      | -5.115  |
| 328                                      | 30       | Unbiased            | 525.65     | 518.57      | -7.079  |
| 329                                      | 30       | Unbiased            | 518.19     | 513.28      | -4.913  |
| 330                                      | 30       | Unbiased            | 521.67     | 525.27      | 3.595   |
| 331                                      | 30       | Unbiased            | 512.88     | 520.8       | 7.925   |
| 332                                      | 30       | Unbiased            | 521.57     | 523.23      | 1.658   |
| 333                                      | 50       | Bias                | 521.48     | 526.54      | 5.058   |
| 334                                      | 50       | Bias                | 522        | 515.23      | -6.775  |
| 335                                      | 50       | Bias                | 518.97     | 524.89      | 5.92    |
| 336                                      | 50       | Bias                | 518.57     | 522.12      | 3.556   |
| 337                                      | 50       | Bias                | 508.56     | 512.1       | 3.541   |
| 338                                      | 50       | Unbiased            | 525.69     | 521.41      | -4.271  |
| 339                                      | 50       | Unbiased            | 543.48     | 513.62      | -29.859 |
| 340                                      | 50       | Unbiased            | 536.39     | 518.38      | -18.01  |
| 341                                      | 50       | Unbiased            | 535.15     | 522.35      | -12.801 |
| 342                                      | 50       | Unbiased            | 544.22     | 518.64      | -25.577 |
| 343                                      | 100      | Bias                | 540.25     | 523.34      | -16.908 |
| 344                                      | 100      | Bias                | 530.07     | 517.92      | -12.149 |
| 345                                      | 100      | Bias                | 549.6      | 522.92      | -26.682 |
| 346                                      | 100      | Bias                | 535.3      | 513.36      | -21.936 |
| 347                                      | 100      | Bias                | 534.53     | 512.46      | -22.065 |
| 348                                      | 100      | Unbiased            | 538.84     | 516.45      | -22.385 |
| 349                                      | 100      | Unbiased            | 532.95     | 515.98      | -16.97  |
| 350                                      | 100      | Unbiased            | 537.15     | 519.24      | -17.913 |
| 351                                      | 100      | Unbiased            | 535.1      | 519.38      | -15.721 |
| 352                                      | 100      | Unbiased            | 538.93     | 519.39      | -19.547 |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 516.71           | 525.41           | 535.37           | 9.3927           | 516.65            | 523.7             | 532.51            | 8.0778            | -7.499    | -1.7143   | 5.214     | 6.4332    |
| 3        | 522.31           | 530.14           | 541.73           | 6.5503           | 515.94            | 521.9             | 530.61            | 4.3138            | -18.051   | -8.2395   | 2.437     | 7.5592    |
| 10       | 510.37           | 517.66           | 526.78           | 5.0155           | 514.57            | 519.77            | 527.35            | 4.7953            | -5.408    | 2.1064    | 5.56      | 3.3073    |
| 30       | 512.88           | 520.72           | 525.65           | 3.7732           | 511.65            | 518.84            | 529.4             | 5.7823            | -7.442    | -1.8779   | 7.925     | 5.7666    |
| 50       | 508.56           | 527.45           | 544.22           | 11.802           | 512.1             | 519.53            | 526.54            | 4.7941            | -29.859   | -7.9218   | 5.92      | 13.15     |
| 100      | 530.07           | 537.27           | 549.6            | 5.3004           | 512.46            | 518.04            | 523.34            | 3.6014            | -26.682   | -19.228   | -12.149   | 4.1584    |

Device Test: 19.25 ; RESET\_SLEW\_RATE\_RISE



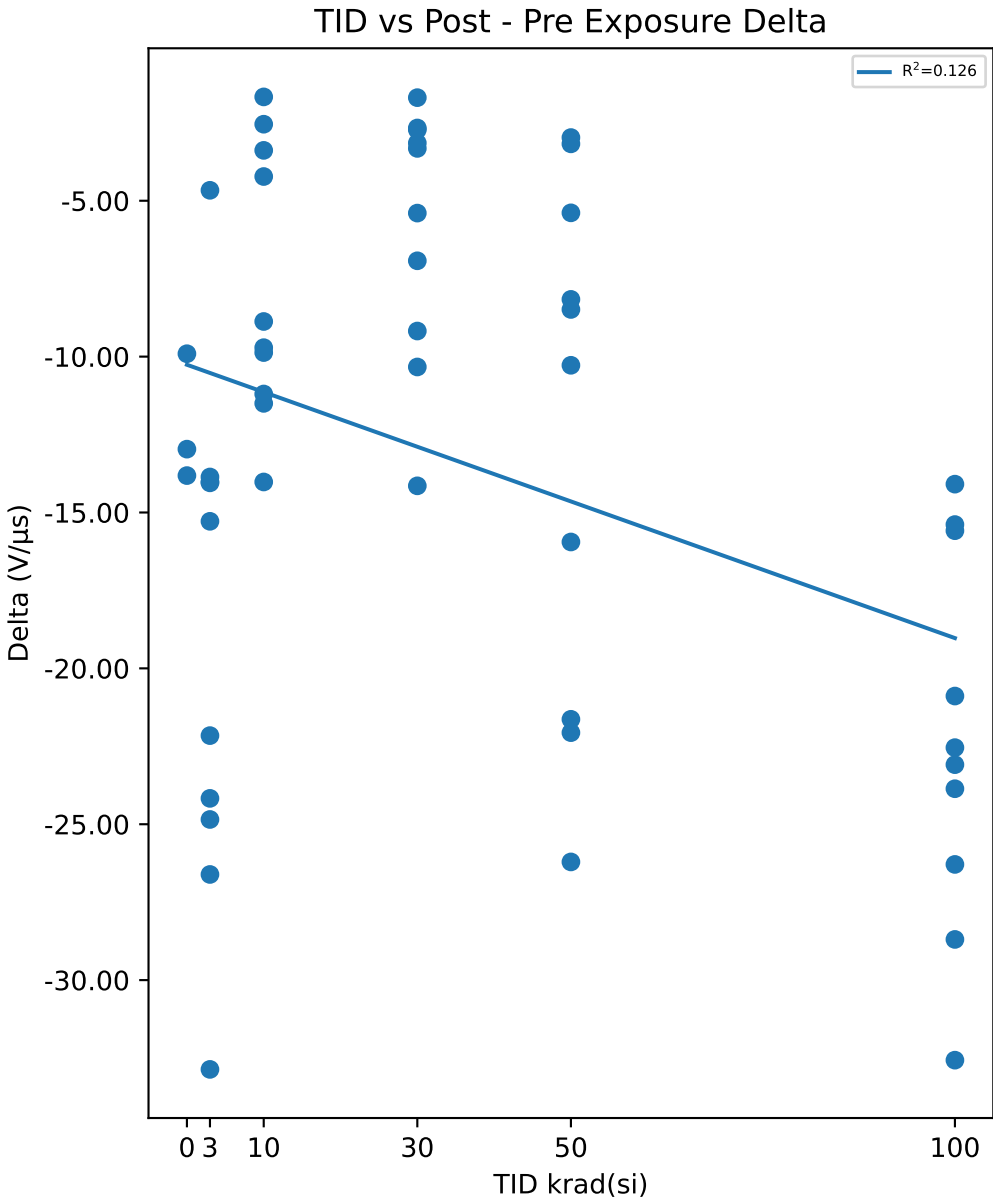
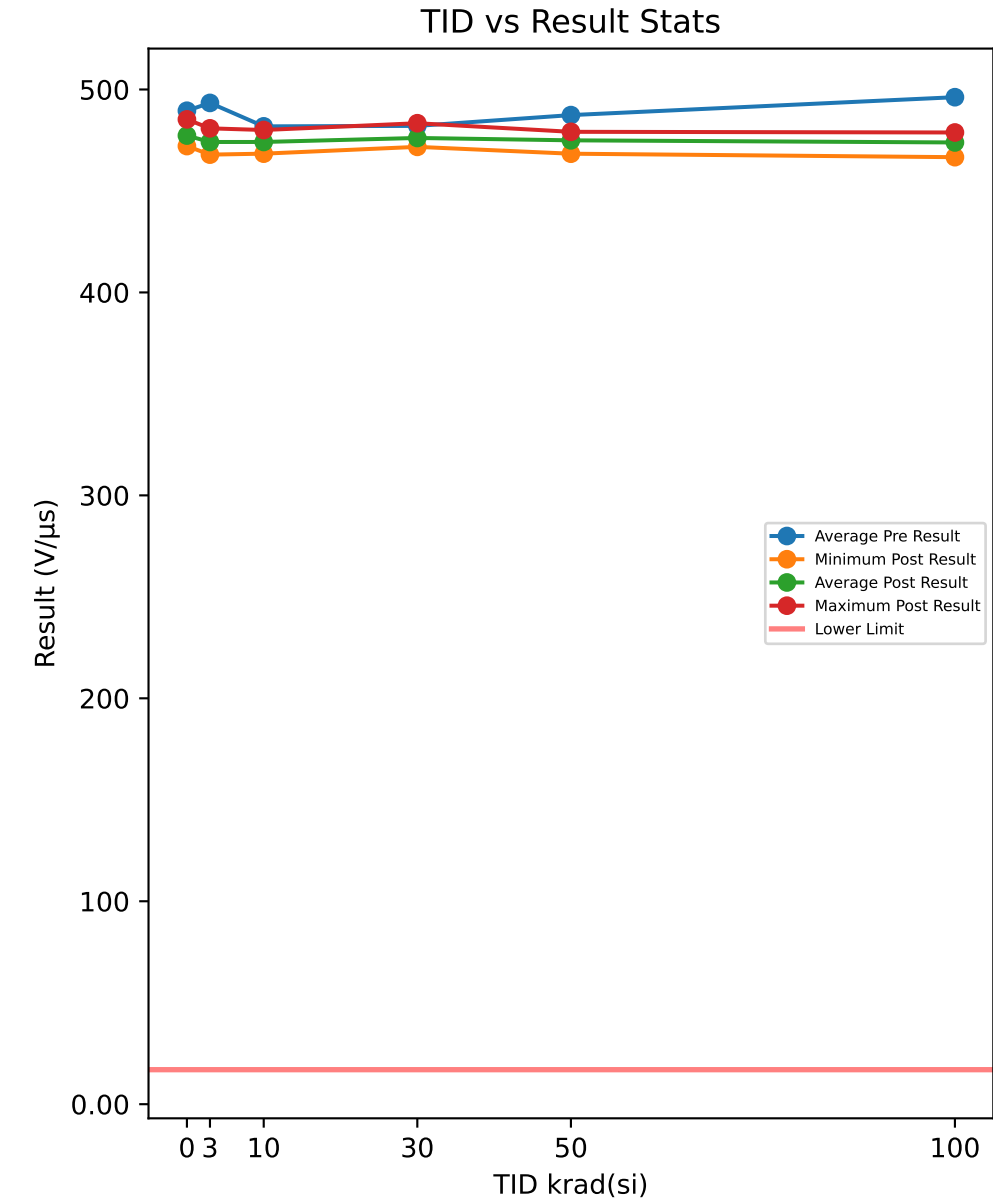
| Test Results (Lower Limit = 17.0 (V/μs)) |          |                     |            |             |         |
|------------------------------------------|----------|---------------------|------------|-------------|---------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta   |
| 300                                      | 0        | Correlation         | 525.22     | 519.54      | -5.682  |
| 301                                      | 0        | Correlation         | 537.55     | 533.94      | -3.611  |
| 302                                      | 0        | Correlation         | 521.38     | 524.7       | 3.319   |
| 303                                      | 3        | Bias                | 542.05     | 520.67      | -21.383 |
| 304                                      | 3        | Bias                | 539.17     | 519.73      | -19.441 |
| 305                                      | 3        | Bias                | 538.72     | 521.83      | -16.892 |
| 306                                      | 3        | Bias                | 543.28     | 521.93      | -21.345 |
| 307                                      | 3        | Bias                | 533.81     | 523.99      | -9.824  |
| 308                                      | 3        | Unbiased            | 539.26     | 526.05      | -13.211 |
| 309                                      | 3        | Unbiased            | 529.35     | 526.79      | -2.564  |
| 310                                      | 3        | Unbiased            | 525.17     | 520.09      | -5.078  |
| 311                                      | 3        | Unbiased            | 534.37     | 530.84      | -3.534  |
| 312                                      | 3        | Unbiased            | 535.94     | 529.43      | -6.505  |
| 313                                      | 10       | Bias                | 517.8      | 525.79      | 7.989   |
| 314                                      | 10       | Bias                | 521.75     | 525.88      | 4.135   |
| 315                                      | 10       | Bias                | 520.65     | 520.25      | -0.403  |
| 316                                      | 10       | Bias                | 528.22     | 518.58      | -9.638  |
| 317                                      | 10       | Bias                | 521.21     | 514.78      | -6.431  |
| 318                                      | 10       | Unbiased            | 521.42     | 526.45      | 5.025   |
| 319                                      | 10       | Unbiased            | 524.57     | 516.94      | -7.633  |
| 320                                      | 10       | Unbiased            | 522.54     | 515.93      | -6.618  |
| 321                                      | 10       | Unbiased            | 515.9      | 524.66      | 8.756   |
| 322                                      | 10       | Unbiased            | 516.1      | 522.38      | 6.273   |
| 323                                      | 30       | Bias                | 519.69     | 519.88      | 0.189   |
| 324                                      | 30       | Bias                | 523.53     | 528.91      | 5.377   |
| 325                                      | 30       | Bias                | 523.38     | 514.56      | -8.82   |
| 326                                      | 30       | Bias                | 524.04     | 529.93      | 5.885   |
| 327                                      | 30       | Bias                | 512.76     | 520.93      | 8.164   |
| 328                                      | 30       | Unbiased            | 520.36     | 520.34      | -0.02   |
| 329                                      | 30       | Unbiased            | 517.81     | 522.84      | 5.031   |
| 330                                      | 30       | Unbiased            | 531.47     | 528.14      | -3.332  |
| 331                                      | 30       | Unbiased            | 525.54     | 521.84      | -3.702  |
| 332                                      | 30       | Unbiased            | 515.11     | 523.65      | 8.539   |
| 333                                      | 50       | Bias                | 523.87     | 526.42      | 2.542   |
| 334                                      | 50       | Bias                | 524.31     | 514.83      | -9.483  |
| 335                                      | 50       | Bias                | 527.66     | 520.37      | -7.295  |
| 336                                      | 50       | Bias                | 527.16     | 518.96      | -8.193  |
| 337                                      | 50       | Bias                | 520.13     | 516.56      | -3.566  |
| 338                                      | 50       | Unbiased            | 530.92     | 521.61      | -9.31   |
| 339                                      | 50       | Unbiased            | 542.48     | 517.6       | -24.88  |
| 340                                      | 50       | Unbiased            | 531.97     | 515.52      | -16.449 |
| 341                                      | 50       | Unbiased            | 540.8      | 520.88      | -19.917 |
| 342                                      | 50       | Unbiased            | 546.2      | 517.52      | -28.672 |
| 343                                      | 100      | Bias                | 544.4      | 520.26      | -24.139 |
| 344                                      | 100      | Bias                | 536.9      | 517.9       | -19     |
| 345                                      | 100      | Bias                | 543.09     | 522.79      | -20.292 |
| 346                                      | 100      | Bias                | 539.05     | 515.21      | -23.847 |
| 347                                      | 100      | Bias                | 539.47     | 519.57      | -19.895 |
| 348                                      | 100      | Unbiased            | 545.05     | 521.16      | -23.894 |
| 349                                      | 100      | Unbiased            | 541.68     | 515.28      | -26.404 |
| 350                                      | 100      | Unbiased            | 534.9      | 519.81      | -15.086 |
| 351                                      | 100      | Unbiased            | 533.71     | 516.36      | -17.347 |
| 352                                      | 100      | Unbiased            | 538.82     | 526.23      | -12.592 |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 521.38           | 528.05           | 537.55           | 8.4499           | 519.54            | 526.06            | 533.94            | 7.2965            | -5.682    | -1.9913   | 3.319     | 4.714     |
| 3        | 525.17           | 536.11           | 543.28           | 5.6416           | 519.73            | 524.13            | 530.84            | 3.9678            | -21.383   | -11.978   | -2.564    | 7.4512    |
| 10       | 515.9            | 521.02           | 528.22           | 3.7757           | 514.78            | 521.16            | 526.45            | 4.4571            | -9.638    | 0.1455    | 8.756     | 7.1372    |
| 30       | 512.76           | 521.37           | 531.47           | 5.4268           | 514.56            | 523.1             | 529.93            | 4.7543            | -8.82     | 1.7311    | 8.539     | 5.784     |
| 50       | 520.13           | 531.55           | 546.2            | 8.7953           | 514.83            | 519.03            | 526.42            | 3.4449            | -28.672   | -12.522   | 2.542     | 9.7548    |
| 100      | 533.71           | 539.71           | 545.05           | 3.8604           | 515.21            | 519.46            | 526.23            | 3.4681            | -26.404   | -20.25    | -12.592   | 4.4051    |



Device Test: 19.26 ; RESET\_SLEW\_RATE\_RISE

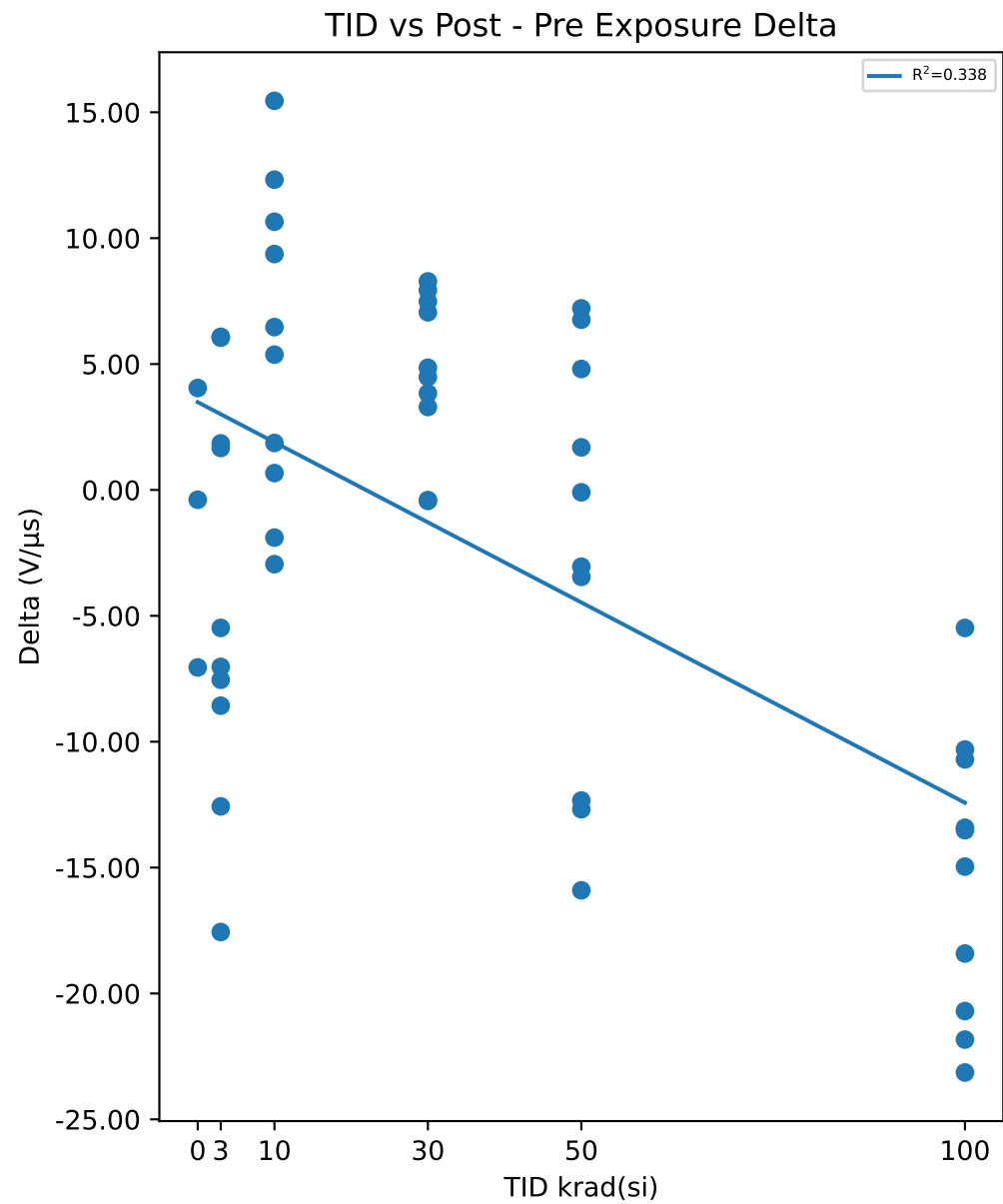
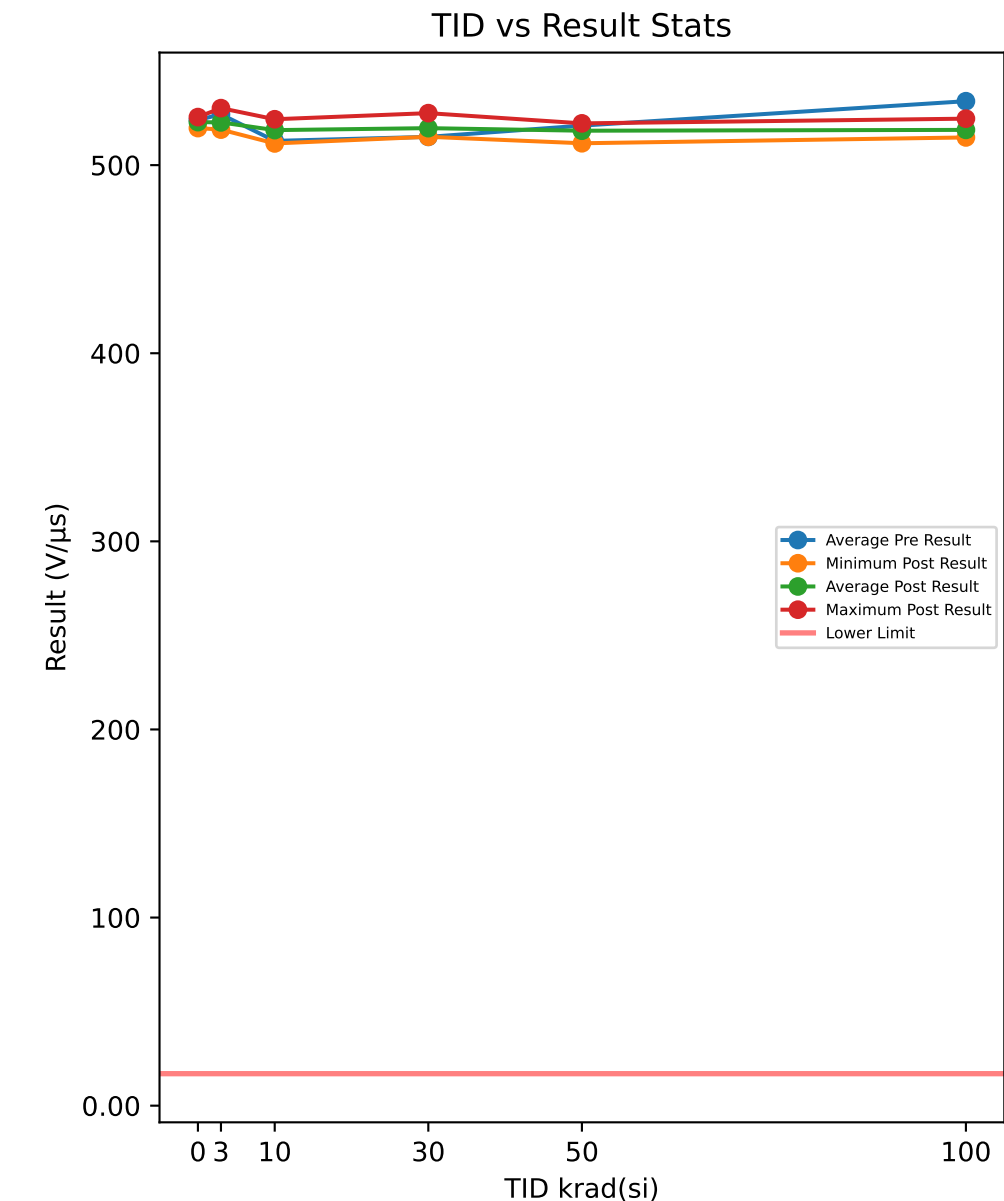


| Test Results (Lower Limit = 17.0 (V/μs)) |          |                     |            |             |         |
|------------------------------------------|----------|---------------------|------------|-------------|---------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta   |
| 300                                      | 0        | Correlation         | 488.33     | 474.52      | -13.816 |
| 301                                      | 0        | Correlation         | 495.18     | 485.27      | -9.907  |
| 302                                      | 0        | Correlation         | 485.09     | 472.12      | -12.968 |
| 303                                      | 3        | Bias                | 503.28     | 479.11      | -24.17  |
| 304                                      | 3        | Bias                | 490.06     | 467.9       | -22.157 |
| 305                                      | 3        | Bias                | 492.02     | 478         | -14.019 |
| 306                                      | 3        | Bias                | 503.33     | 470.46      | -32.864 |
| 307                                      | 3        | Bias                | 497.4      | 470.79      | -26.611 |
| 308                                      | 3        | Unbiased            | 496.21     | 471.36      | -24.847 |
| 309                                      | 3        | Unbiased            | 486.56     | 472.51      | -14.049 |
| 310                                      | 3        | Unbiased            | 486.66     | 472.8       | -13.861 |
| 311                                      | 3        | Unbiased            | 492.8      | 477.51      | -15.283 |
| 312                                      | 3        | Unbiased            | 485.52     | 480.86      | -4.665  |
| 313                                      | 10       | Bias                | 482        | 470.8       | -11.199 |
| 314                                      | 10       | Bias                | 481.76     | 478.37      | -3.384  |
| 315                                      | 10       | Bias                | 485.63     | 475.92      | -9.713  |
| 316                                      | 10       | Bias                | 480.32     | 477.78      | -2.545  |
| 317                                      | 10       | Bias                | 479.88     | 468.38      | -11.5   |
| 318                                      | 10       | Unbiased            | 484.26     | 480.04      | -4.223  |
| 319                                      | 10       | Unbiased            | 484.19     | 470.17      | -14.021 |
| 320                                      | 10       | Unbiased            | 479.15     | 470.28      | -8.873  |
| 321                                      | 10       | Unbiased            | 480.17     | 478.5       | -1.669  |
| 322                                      | 10       | Unbiased            | 481.03     | 471.16      | -9.87   |
| 323                                      | 30       | Bias                | 483.15     | 473.98      | -9.179  |
| 324                                      | 30       | Bias                | 480.79     | 478.13      | -2.666  |
| 325                                      | 30       | Bias                | 479.02     | 473.62      | -5.396  |
| 326                                      | 30       | Bias                | 483.73     | 476.8       | -6.926  |
| 327                                      | 30       | Bias                | 479.46     | 476.32      | -3.148  |
| 328                                      | 30       | Unbiased            | 480.17     | 476.85      | -3.321  |
| 329                                      | 30       | Unbiased            | 485.41     | 475.08      | -10.332 |
| 330                                      | 30       | Unbiased            | 485.07     | 483.38      | -1.693  |
| 331                                      | 30       | Unbiased            | 485.88     | 471.73      | -14.145 |
| 332                                      | 30       | Unbiased            | 478        | 475.27      | -2.724  |
| 333                                      | 50       | Bias                | 485.54     | 475.26      | -10.278 |
| 334                                      | 50       | Bias                | 477        | 474.03      | -2.973  |
| 335                                      | 50       | Bias                | 481.32     | 473.16      | -8.164  |
| 336                                      | 50       | Bias                | 485.06     | 476.58      | -8.487  |
| 337                                      | 50       | Bias                | 473.75     | 468.36      | -5.388  |
| 338                                      | 50       | Unbiased            | 482.32     | 479.15      | -3.175  |
| 339                                      | 50       | Unbiased            | 504.68     | 478.47      | -26.209 |
| 340                                      | 50       | Unbiased            | 497.85     | 476.22      | -21.634 |
| 341                                      | 50       | Unbiased            | 494.97     | 472.91      | -22.062 |
| 342                                      | 50       | Unbiased            | 491.32     | 475.38      | -15.946 |
| 343                                      | 100      | Bias                | 499.51     | 478.63      | -20.888 |
| 344                                      | 100      | Bias                | 495.46     | 472.92      | -22.543 |
| 345                                      | 100      | Bias                | 497.43     | 473.57      | -23.861 |
| 346                                      | 100      | Bias                | 499.02     | 472.73      | -26.289 |
| 347                                      | 100      | Bias                | 491.85     | 477.76      | -14.091 |
| 348                                      | 100      | Unbiased            | 492.63     | 477.05      | -15.584 |
| 349                                      | 100      | Unbiased            | 499.22     | 466.65      | -32.568 |
| 350                                      | 100      | Unbiased            | 494.2      | 478.82      | -15.387 |
| 351                                      | 100      | Unbiased            | 496.37     | 467.68      | -28.695 |
| 352                                      | 100      | Unbiased            | 496.31     | 473.22      | -23.089 |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 485.09           | 489.53           | 495.18           | 5.1509           | 472.12            | 477.3             | 485.27            | 7.0041            | -13.816   | -12.23    | -9.907    | 2.0563    |
| 3        | 485.52           | 493.38           | 503.33           | 6.5635           | 467.9             | 474.13            | 480.86            | 4.3704            | -32.864   | -19.253   | -4.665    | 8.2692    |
| 10       | 479.15           | 481.84           | 485.63           | 2.1764           | 468.38            | 474.14            | 480.04            | 4.3713            | -14.021   | -7.6997   | -1.669    | 4.3517    |
| 30       | 478              | 482.07           | 485.88           | 2.9152           | 471.73            | 476.11            | 483.38            | 3.155             | -14.145   | -5.953    | -1.693    | 4.1113    |
| 50       | 473.75           | 487.38           | 504.68           | 9.6984           | 468.36            | 474.95            | 479.15            | 3.0945            | -26.209   | -12.432   | -2.973    | 8.451     |
| 100      | 491.85           | 496.2            | 499.51           | 2.7037           | 466.65            | 473.9             | 478.82            | 4.2888            | -32.568   | -22.299   | -14.091   | 6.0336    |

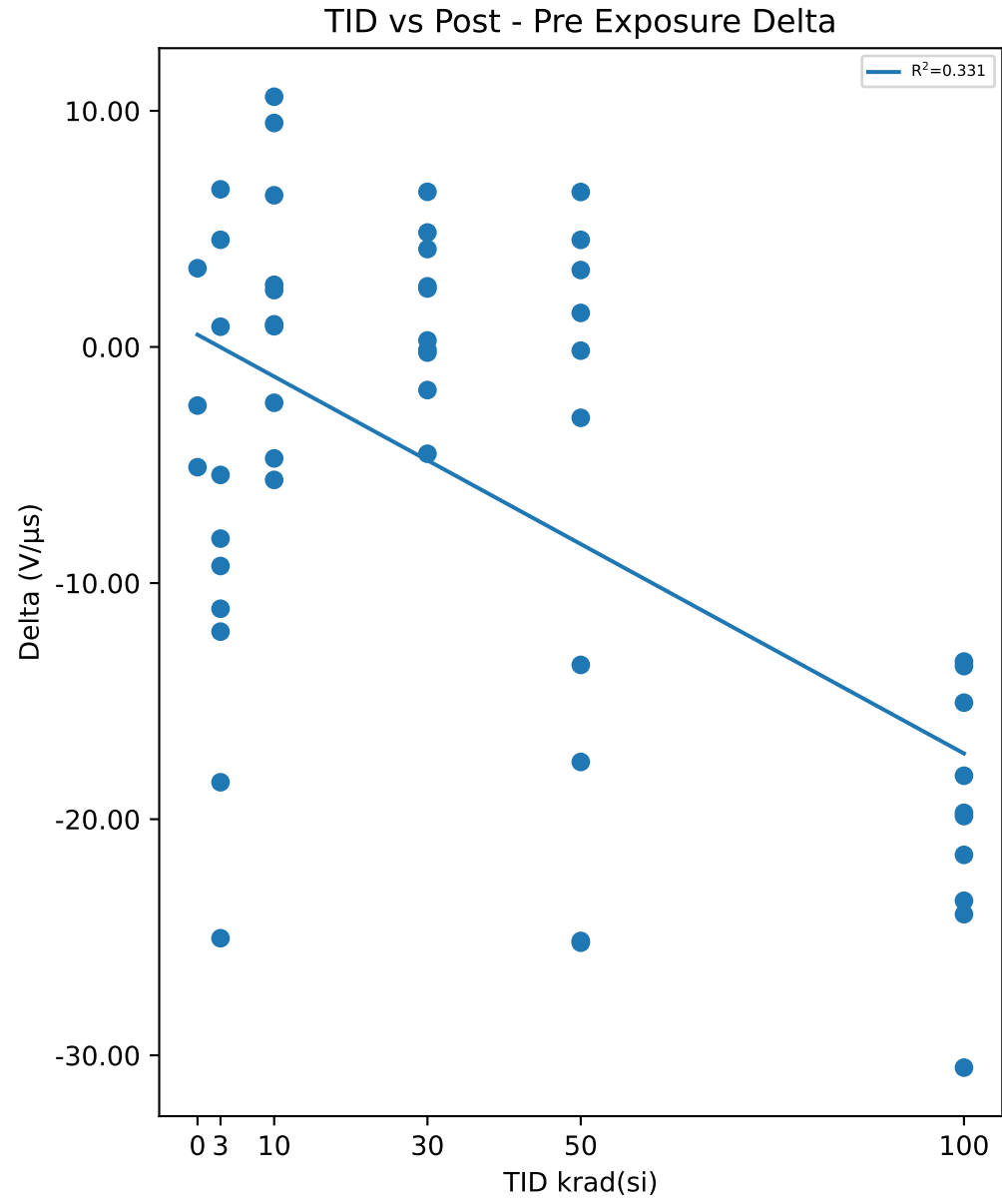
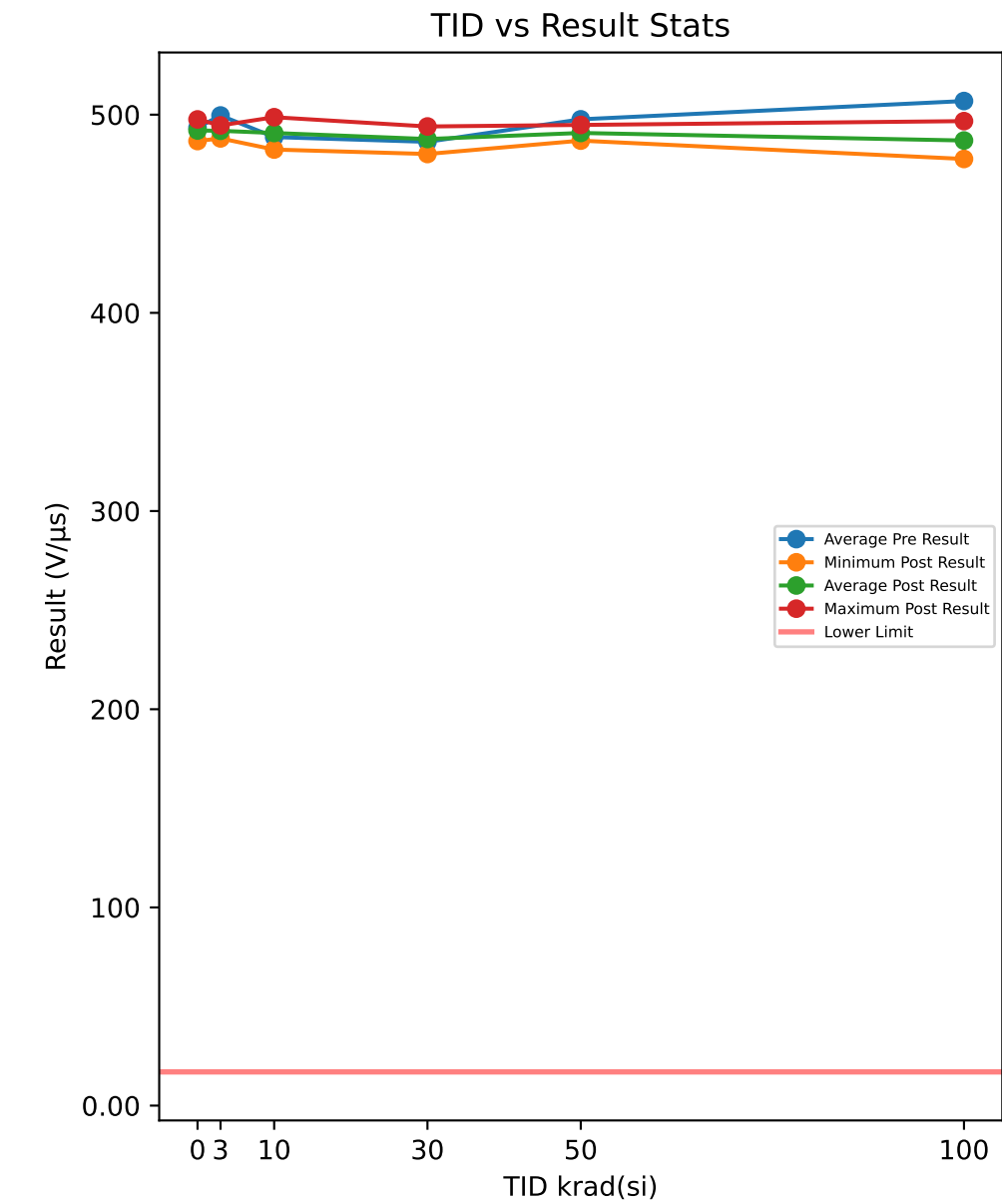
Device Test: 19.27 ; RESET\_SLEW\_RATE\_RISE



| Test Results (Lower Limit = 17.0 (V/μs)) |          |                     |            |             |         |
|------------------------------------------|----------|---------------------|------------|-------------|---------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta   |
| 300                                      | 0        | Correlation         | 519.32     | 523.37      | 4.049   |
| 301                                      | 0        | Correlation         | 532.59     | 525.54      | -7.05   |
| 302                                      | 0        | Correlation         | 520.09     | 519.7       | -0.389  |
| 303                                      | 3        | Bias                | 531.34     | 523.8       | -7.539  |
| 304                                      | 3        | Bias                | 526.76     | 521.29      | -5.479  |
| 305                                      | 3        | Bias                | 538.26     | 520.7       | -17.559 |
| 306                                      | 3        | Bias                | 531.43     | 522.86      | -8.569  |
| 307                                      | 3        | Bias                | 535.05     | 522.48      | -12.568 |
| 308                                      | 3        | Unbiased            | 525.91     | 518.88      | -7.028  |
| 309                                      | 3        | Unbiased            | 519.38     | 521.23      | 1.849   |
| 310                                      | 3        | Unbiased            | 521.15     | 522.81      | 1.666   |
| 311                                      | 3        | Unbiased            | 524.26     | 530.3       | 6.045   |
| 312                                      | 3        | Unbiased            | 516.71     | 522.79      | 6.083   |
| 313                                      | 10       | Bias                | 515.35     | 520.72      | 5.374   |
| 314                                      | 10       | Bias                | 514.49     | 520.96      | 6.468   |
| 315                                      | 10       | Bias                | 506.7      | 522.15      | 15.455  |
| 316                                      | 10       | Bias                | 509.71     | 522.03      | 12.323  |
| 317                                      | 10       | Bias                | 513.74     | 524.39      | 10.653  |
| 318                                      | 10       | Unbiased            | 511.74     | 521.11      | 9.37    |
| 319                                      | 10       | Unbiased            | 515.6      | 517.47      | 1.865   |
| 320                                      | 10       | Unbiased            | 512.04     | 512.71      | 0.67    |
| 321                                      | 10       | Unbiased            | 513.42     | 511.53      | -1.894  |
| 322                                      | 10       | Unbiased            | 516.02     | 513.08      | -2.948  |
| 323                                      | 30       | Bias                | 520.17     | 519.73      | -0.436  |
| 324                                      | 30       | Bias                | 515.03     | 522.09      | 7.055   |
| 325                                      | 30       | Bias                | 515.79     | 515.39      | -0.403  |
| 326                                      | 30       | Bias                | 514.79     | 518.62      | 3.838   |
| 327                                      | 30       | Bias                | 510.89     | 518.83      | 7.93    |
| 328                                      | 30       | Unbiased            | 514.34     | 522.63      | 8.283   |
| 329                                      | 30       | Unbiased            | 511.74     | 516.59      | 4.853   |
| 330                                      | 30       | Unbiased            | 520.15     | 527.64      | 7.483   |
| 331                                      | 30       | Unbiased            | 516.74     | 520.03      | 3.294   |
| 332                                      | 30       | Unbiased            | 510.58     | 515.06      | 4.485   |
| 333                                      | 50       | Bias                | 520.5      | 517.46      | -3.048  |
| 334                                      | 50       | Bias                | 515.06     | 514.97      | -0.094  |
| 335                                      | 50       | Bias                | 517.19     | 518.88      | 1.691   |
| 336                                      | 50       | Bias                | 514.61     | 521.37      | 6.761   |
| 337                                      | 50       | Bias                | 504.42     | 511.63      | 7.211   |
| 338                                      | 50       | Unbiased            | 517.4      | 522.21      | 4.805   |
| 339                                      | 50       | Unbiased            | 528.23     | 515.55      | -12.682 |
| 340                                      | 50       | Unbiased            | 521.99     | 518.54      | -3.453  |
| 341                                      | 50       | Unbiased            | 536.5      | 520.6       | -15.903 |
| 342                                      | 50       | Unbiased            | 534.12     | 521.78      | -12.335 |
| 343                                      | 100      | Bias                | 547.84     | 524.7       | -23.138 |
| 344                                      | 100      | Bias                | 533.29     | 522.99      | -10.31  |
| 345                                      | 100      | Bias                | 532.57     | 521.86      | -10.702 |
| 346                                      | 100      | Bias                | 534.01     | 519.05      | -14.961 |
| 347                                      | 100      | Bias                | 525.03     | 519.54      | -5.481  |
| 348                                      | 100      | Unbiased            | 537.22     | 515.39      | -21.831 |
| 349                                      | 100      | Unbiased            | 528.14     | 514.72      | -13.418 |
| 350                                      | 100      | Unbiased            | 537.44     | 516.74      | -20.698 |
| 351                                      | 100      | Unbiased            | 528.85     | 515.34      | -13.515 |
| 352                                      | 100      | Unbiased            | 535.46     | 517.05      | -18.413 |

Test Statistics (V/μs)

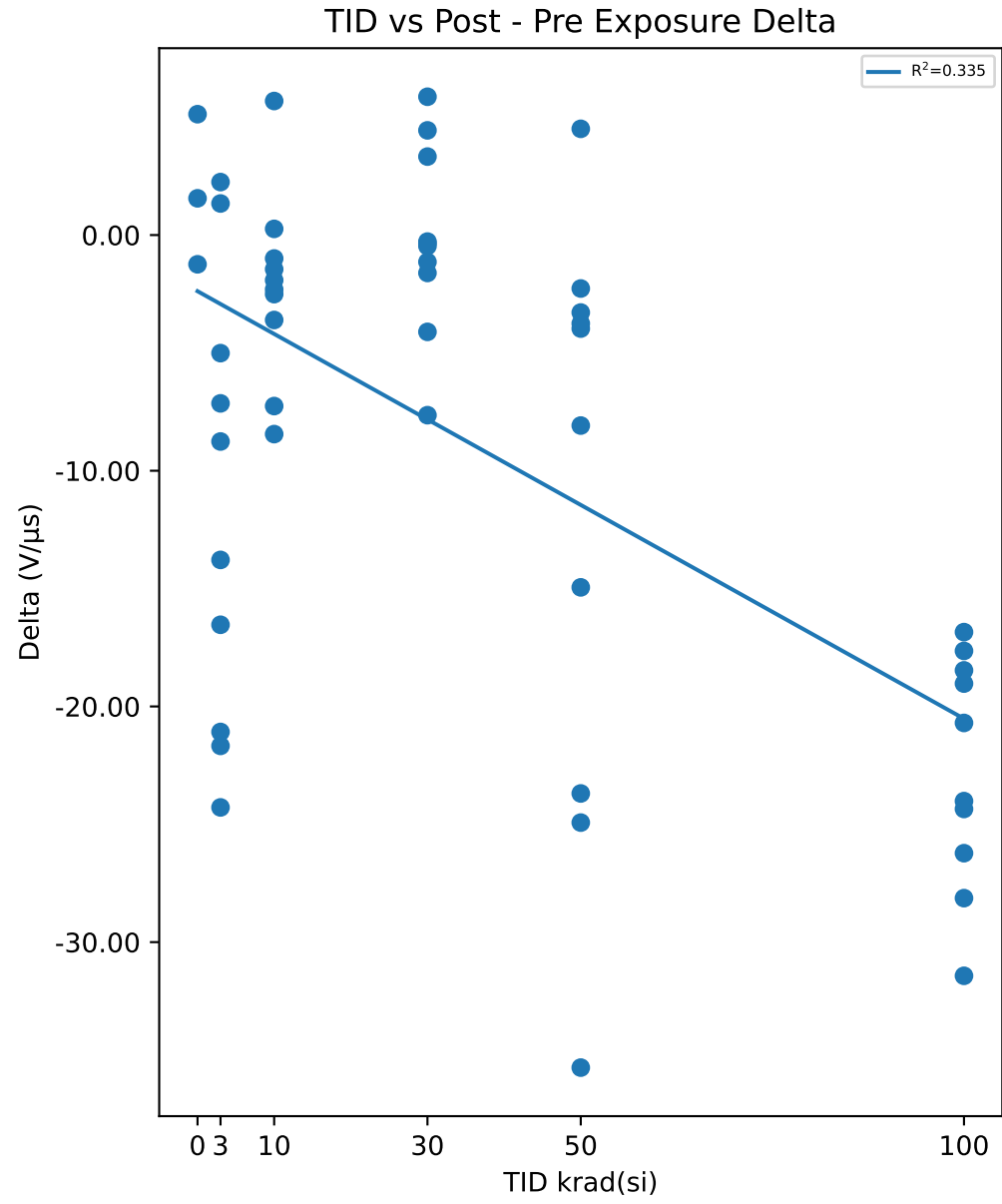
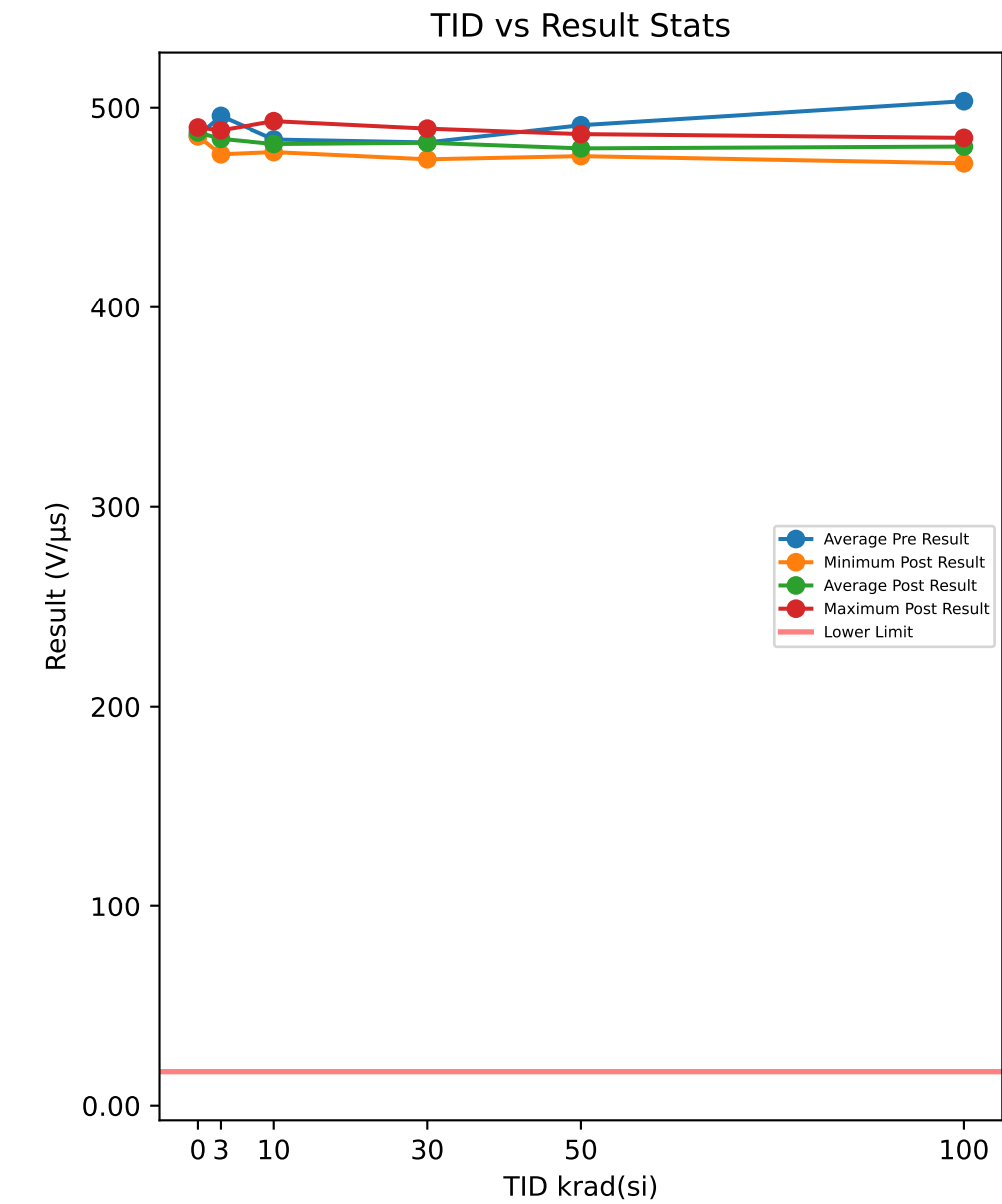
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 519.32           | 524              | 532.59           | 7.4502           | 519.7             | 522.87            | 525.54            | 2.9528            | -7.05     | -1.13     | 4.049     | 5.5865    |
| 3        | 516.71           | 527.02           | 538.26           | 6.9684           | 518.88            | 522.71            | 530.3             | 3.0149            | -17.559   | -4.3099   | 6.083     | 7.9578    |
| 10       | 506.7            | 512.88           | 516.02           | 2.9297           | 511.53            | 518.62            | 524.39            | 4.6045            | -2.948    | 5.7336    | 15.455    | 6.2377    |
| 30       | 510.58           | 515.02           | 520.17           | 3.4066           | 515.06            | 519.66            | 527.64            | 3.7861            | -0.436    | 4.6382    | 8.283     | 3.1926    |
| 50       | 504.42           | 521              | 536.5            | 9.6872           | 511.63            | 518.3             | 522.21            | 3.4382            | -15.903   | -2.7047   | 7.211     | 8.417     |
| 100      | 525.03           | 533.99           | 547.84           | 6.3227           | 514.72            | 518.74            | 524.7             | 3.4942            | -23.138   | -15.247   | -5.481    | 5.6978    |



| Test Results (Lower Limit = 17.0 (V/μs)) |          |                     |            |             |         |
|------------------------------------------|----------|---------------------|------------|-------------|---------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta   |
| 300                                      | 0        | Correlation         | 489.18     | 486.69      | -2.482  |
| 301                                      | 0        | Correlation         | 496.87     | 491.78      | -5.092  |
| 302                                      | 0        | Correlation         | 494.27     | 497.61      | 3.334   |
| 303                                      | 3        | Bias                | 511.12     | 492.69      | -18.435 |
| 304                                      | 3        | Bias                | 500.24     | 492.12      | -8.117  |
| 305                                      | 3        | Bias                | 515.55     | 490.51      | -25.041 |
| 306                                      | 3        | Bias                | 505.67     | 494.58      | -11.087 |
| 307                                      | 3        | Bias                | 500.93     | 488.87      | -12.056 |
| 308                                      | 3        | Unbiased            | 500.52     | 491.25      | -9.277  |
| 309                                      | 3        | Unbiased            | 487.7      | 492.24      | 4.539   |
| 310                                      | 3        | Unbiased            | 493.45     | 488.03      | -5.42   |
| 311                                      | 3        | Unbiased            | 493.12     | 493.98      | 0.857   |
| 312                                      | 3        | Unbiased            | 487.66     | 494.33      | 6.676   |
| 313                                      | 10       | Bias                | 493.13     | 487.5       | -5.631  |
| 314                                      | 10       | Bias                | 492.3      | 498.72      | 6.424   |
| 315                                      | 10       | Bias                | 487.3      | 496.79      | 9.485   |
| 316                                      | 10       | Bias                | 491.41     | 493.82      | 2.408   |
| 317                                      | 10       | Bias                | 490.02     | 490.9       | 0.877   |
| 318                                      | 10       | Unbiased            | 484.56     | 495.15      | 10.597  |
| 319                                      | 10       | Unbiased            | 481.44     | 482.4       | 0.959   |
| 320                                      | 10       | Unbiased            | 490.3      | 487.94      | -2.365  |
| 321                                      | 10       | Unbiased            | 485.36     | 487.99      | 2.632   |
| 322                                      | 10       | Unbiased            | 491.06     | 486.33      | -4.721  |
| 323                                      | 30       | Bias                | 483.16     | 487.31      | 4.145   |
| 324                                      | 30       | Bias                | 493.77     | 494.05      | 0.275   |
| 325                                      | 30       | Bias                | 483.51     | 488.36      | 4.848   |
| 326                                      | 30       | Bias                | 484.68     | 480.16      | -4.524  |
| 327                                      | 30       | Bias                | 484.64     | 484.4       | -0.239  |
| 328                                      | 30       | Unbiased            | 491.15     | 489.32      | -1.826  |
| 329                                      | 30       | Unbiased            | 480.88     | 483.35      | 2.476   |
| 330                                      | 30       | Unbiased            | 491.82     | 491.7       | -0.117  |
| 331                                      | 30       | Unbiased            | 489.85     | 492.42      | 2.568   |
| 332                                      | 30       | Unbiased            | 479.49     | 486.06      | 6.571   |
| 333                                      | 50       | Bias                | 487.86     | 489.3       | 1.442   |
| 334                                      | 50       | Bias                | 491.67     | 488.66      | -3.002  |
| 335                                      | 50       | Bias                | 485.34     | 491.9       | 6.563   |
| 336                                      | 50       | Bias                | 490.08     | 494.62      | 4.535   |
| 337                                      | 50       | Bias                | 491.25     | 491.09      | -0.156  |
| 338                                      | 50       | Unbiased            | 491.57     | 494.82      | 3.257   |
| 339                                      | 50       | Unbiased            | 517.14     | 491.91      | -25.23  |
| 340                                      | 50       | Unbiased            | 504.56     | 491.1       | -13.466 |
| 341                                      | 50       | Unbiased            | 504.48     | 486.9       | -17.575 |
| 342                                      | 50       | Unbiased            | 512.6      | 487.45      | -25.155 |
| 343                                      | 100      | Bias                | 507.82     | 488.09      | -19.73  |
| 344                                      | 100      | Bias                | 517        | 492.98      | -24.024 |
| 345                                      | 100      | Bias                | 509.44     | 485.99      | -23.454 |
| 346                                      | 100      | Bias                | 499.17     | 477.65      | -21.511 |
| 347                                      | 100      | Bias                | 504.48     | 484.61      | -19.869 |
| 348                                      | 100      | Unbiased            | 506.13     | 491.06      | -15.065 |
| 349                                      | 100      | Unbiased            | 496.78     | 483.26      | -13.516 |
| 350                                      | 100      | Unbiased            | 505.57     | 487.41      | -18.159 |
| 351                                      | 100      | Unbiased            | 512.37     | 481.84      | -30.521 |
| 352                                      | 100      | Unbiased            | 510.07     | 496.75      | -13.322 |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 489.18           | 493.44           | 496.87           | 3.914            | 486.69            | 492.03            | 497.61            | 5.4602            | -5.092    | -1.4133   | 3.334     | 4.3135    |
| 3        | 487.66           | 499.6            | 515.55           | 9.3753           | 488.03            | 491.86            | 494.58            | 2.2301            | -25.041   | -7.7361   | 6.676     | 9.9103    |
| 10       | 481.44           | 488.69           | 493.13           | 3.8402           | 482.4             | 490.75            | 498.72            | 5.208             | -5.631    | 2.0665    | 10.597    | 5.526     |
| 30       | 479.49           | 486.3            | 493.77           | 4.9581           | 480.16            | 487.71            | 494.05            | 4.3611            | -4.524    | 1.4177    | 6.571     | 3.3406    |
| 50       | 485.34           | 497.65           | 517.14           | 11.138           | 486.9             | 490.78            | 494.82            | 2.7209            | -25.23    | -6.8787   | 6.563     | 12.346    |
| 100      | 496.78           | 506.88           | 517              | 5.9601           | 477.65            | 486.96            | 496.75            | 5.6091            | -30.521   | -19.917   | -13.322   | 5.3281    |

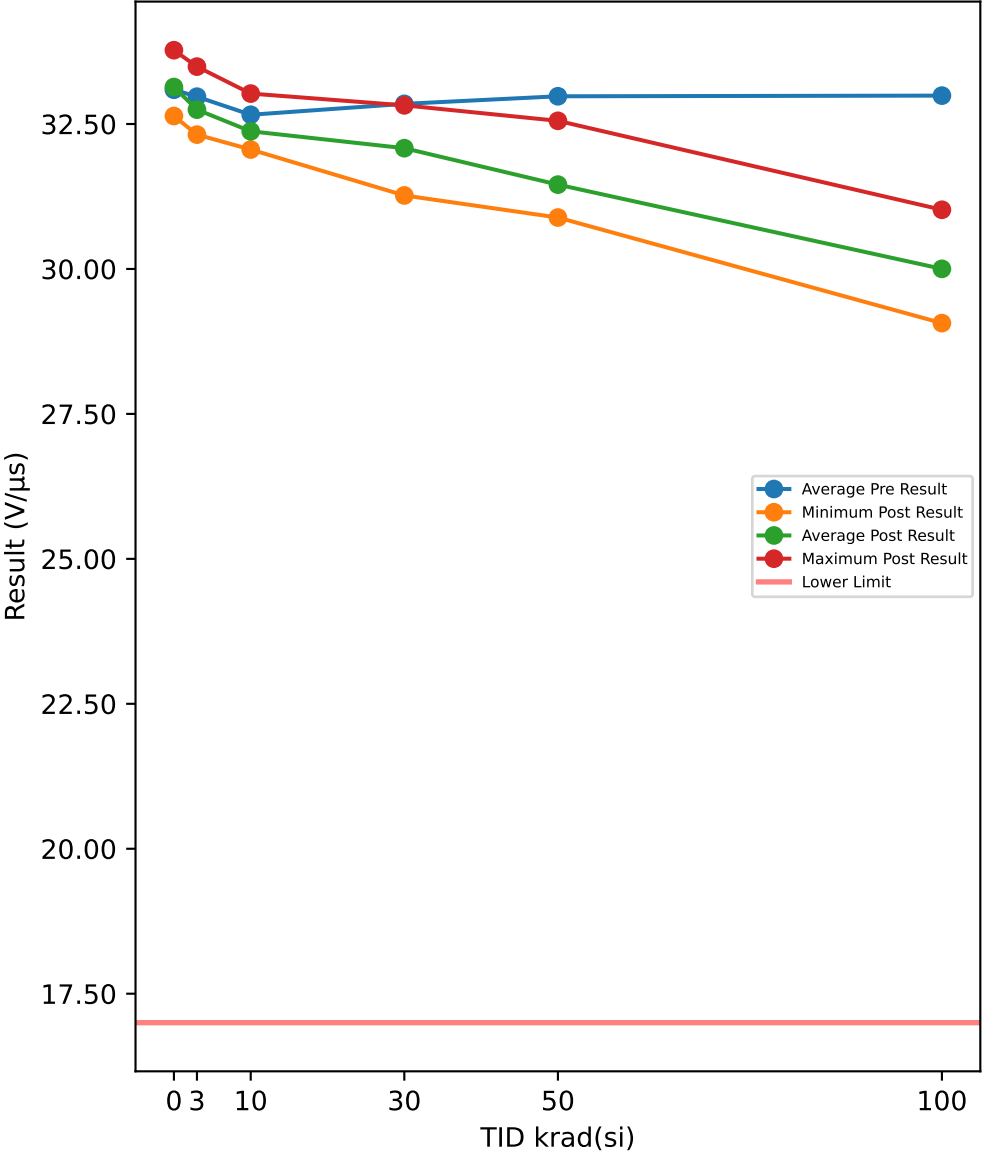


| Test Results (Lower Limit = 17.0 (V/μs)) |          |                     |            |             |         |
|------------------------------------------|----------|---------------------|------------|-------------|---------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta   |
| 300                                      | 0        | Correlation         | 482.01     | 487.14      | 5.128   |
| 301                                      | 0        | Correlation         | 488.55     | 490.1       | 1.559   |
| 302                                      | 0        | Correlation         | 486.99     | 485.75      | -1.241  |
| 303                                      | 3        | Bias                | 507.82     | 483.53      | -24.284 |
| 304                                      | 3        | Bias                | 495.78     | 488.64      | -7.142  |
| 305                                      | 3        | Bias                | 496.23     | 482.45      | -13.783 |
| 306                                      | 3        | Bias                | 509.74     | 488.65      | -21.082 |
| 307                                      | 3        | Bias                | 498.4      | 476.73      | -21.673 |
| 308                                      | 3        | Unbiased            | 500.9      | 484.36      | -16.535 |
| 309                                      | 3        | Unbiased            | 484.61     | 486.86      | 2.248   |
| 310                                      | 3        | Unbiased            | 485.62     | 480.61      | -5.01   |
| 311                                      | 3        | Unbiased            | 487.34     | 488.68      | 1.339   |
| 312                                      | 3        | Unbiased            | 492.63     | 483.87      | -8.76   |
| 313                                      | 10       | Bias                | 479.08     | 478.09      | -0.995  |
| 314                                      | 10       | Bias                | 487.59     | 493.28      | 5.687   |
| 315                                      | 10       | Bias                | 484.12     | 481.62      | -2.507  |
| 316                                      | 10       | Bias                | 487.02     | 479.76      | -7.256  |
| 317                                      | 10       | Bias                | 488.96     | 480.51      | -8.446  |
| 318                                      | 10       | Unbiased            | 480.12     | 477.81      | -2.306  |
| 319                                      | 10       | Unbiased            | 486.34     | 482.74      | -3.604  |
| 320                                      | 10       | Unbiased            | 487.27     | 485.35      | -1.915  |
| 321                                      | 10       | Unbiased            | 480.07     | 480.33      | 0.262   |
| 322                                      | 10       | Unbiased            | 480.47     | 479.02      | -1.45   |
| 323                                      | 30       | Bias                | 478.31     | 474.2       | -4.108  |
| 324                                      | 30       | Bias                | 488.76     | 481.12      | -7.643  |
| 325                                      | 30       | Bias                | 477.45     | 481.89      | 4.442   |
| 326                                      | 30       | Bias                | 488.34     | 487.99      | -0.351  |
| 327                                      | 30       | Bias                | 477.9      | 477.44      | -0.468  |
| 328                                      | 30       | Unbiased            | 482.11     | 485.43      | 3.329   |
| 329                                      | 30       | Unbiased            | 484.06     | 483.78      | -0.277  |
| 330                                      | 30       | Unbiased            | 483.67     | 489.54      | 5.868   |
| 331                                      | 30       | Unbiased            | 482.51     | 481.37      | -1.141  |
| 332                                      | 30       | Unbiased            | 483.36     | 481.75      | -1.608  |
| 333                                      | 50       | Bias                | 487        | 483.03      | -3.968  |
| 334                                      | 50       | Bias                | 479.08     | 475.79      | -3.287  |
| 335                                      | 50       | Bias                | 482.63     | 478.88      | -3.752  |
| 336                                      | 50       | Bias                | 485.7      | 477.61      | -8.083  |
| 337                                      | 50       | Bias                | 480.42     | 478.15      | -2.268  |
| 338                                      | 50       | Unbiased            | 482.3      | 486.81      | 4.507   |
| 339                                      | 50       | Unbiased            | 511.68     | 476.36      | -35.324 |
| 340                                      | 50       | Unbiased            | 493.32     | 478.37      | -14.948 |
| 341                                      | 50       | Unbiased            | 505.22     | 481.53      | -23.692 |
| 342                                      | 50       | Unbiased            | 505.13     | 480.2       | -24.928 |
| 343                                      | 100      | Bias                | 505.37     | 481.02      | -24.35  |
| 344                                      | 100      | Bias                | 505.37     | 484.67      | -20.7   |
| 345                                      | 100      | Bias                | 499        | 480.53      | -18.47  |
| 346                                      | 100      | Bias                | 504.38     | 476.25      | -28.133 |
| 347                                      | 100      | Bias                | 499.71     | 480.68      | -19.03  |
| 348                                      | 100      | Unbiased            | 498.12     | 480.47      | -17.644 |
| 349                                      | 100      | Unbiased            | 506.58     | 482.57      | -24.016 |
| 350                                      | 100      | Unbiased            | 499.27     | 482.42      | -16.846 |
| 351                                      | 100      | Unbiased            | 498.43     | 472.2       | -26.226 |
| 352                                      | 100      | Unbiased            | 516.35     | 484.92      | -31.429 |

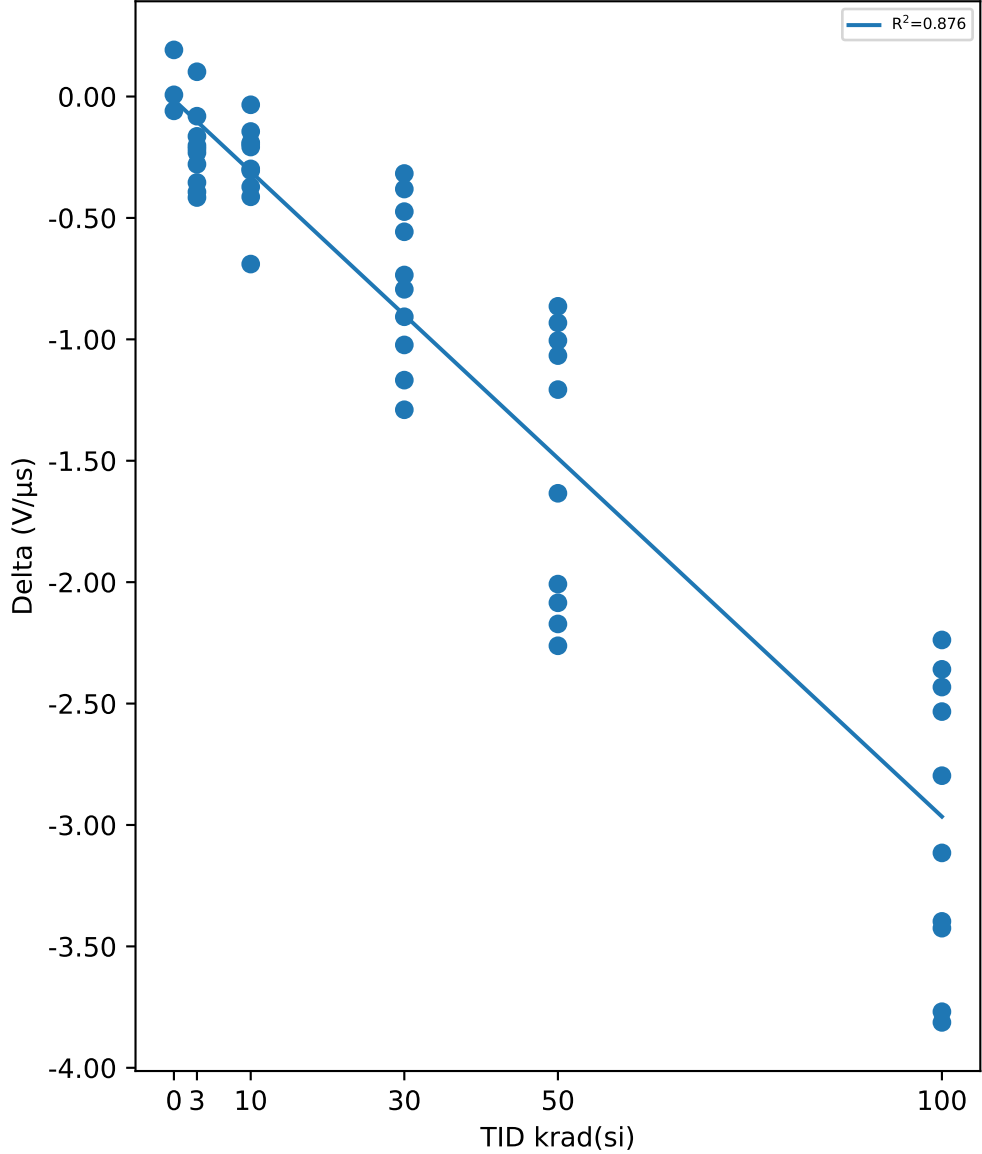
Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 482.01           | 485.85           | 488.55           | 3.4121           | 485.75            | 487.66            | 490.1             | 2.2242            | -1.241    | 1.8153    | 5.128     | 3.1922    |
| 3        | 484.61           | 495.91           | 509.74           | 8.7043           | 476.73            | 484.44            | 488.68            | 3.9231            | -24.284   | -11.468   | 2.248     | 9.4971    |
| 10       | 479.08           | 484.1            | 488.96           | 3.7983           | 477.81            | 481.85            | 493.28            | 4.6026            | -8.446    | -2.253    | 5.687     | 3.9014    |
| 30       | 477.45           | 482.65           | 488.76           | 3.971            | 474.2             | 482.45            | 489.54            | 4.5756            | -7.643    | -0.1957   | 5.868     | 4.0064    |
| 50       | 479.08           | 491.25           | 511.68           | 11.918           | 475.79            | 479.67            | 486.81            | 3.3468            | -35.324   | -11.574   | 4.507     | 12.674    |
| 100      | 498.12           | 503.26           | 516.35           | 5.6675           | 472.2             | 480.57            | 484.92            | 3.831             | -31.429   | -22.684   | -16.846   | 4.9193    |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 17.0 (V/μs))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 32.996     | 33.003      | 0.007  |
| 301      | 0        | Correlation         | 33.581     | 33.773      | 0.192  |
| 302      | 0        | Correlation         | 32.697     | 32.638      | -0.059 |
| 303      | 3        | Bias                | 32.819     | 32.54       | -0.279 |
| 304      | 3        | Bias                | 32.903     | 32.51       | -0.393 |
| 305      | 3        | Bias                | 32.989     | 32.774      | -0.215 |
| 306      | 3        | Bias                | 32.962     | 32.76       | -0.202 |
| 307      | 3        | Bias                | 32.743     | 32.327      | -0.416 |
| 308      | 3        | Unbiased            | 32.854     | 32.623      | -0.231 |
| 309      | 3        | Unbiased            | 32.779     | 32.881      | 0.102  |
| 310      | 3        | Unbiased            | 32.671     | 32.317      | -0.354 |
| 311      | 3        | Unbiased            | 33.571     | 33.49       | -0.081 |
| 312      | 3        | Unbiased            | 33.422     | 33.258      | -0.164 |
| 313      | 10       | Bias                | 32.974     | 32.669      | -0.305 |
| 314      | 10       | Bias                | 32.763     | 32.729      | -0.034 |
| 315      | 10       | Bias                | 32.308     | 32.164      | -0.144 |
| 316      | 10       | Bias                | 33.221     | 33.025      | -0.196 |
| 317      | 10       | Bias                | 32.355     | 32.147      | -0.208 |
| 318      | 10       | Unbiased            | 32.743     | 32.445      | -0.298 |
| 319      | 10       | Unbiased            | 32.494     | 32.081      | -0.413 |
| 320      | 10       | Unbiased            | 32.353     | 32.163      | -0.19  |
| 321      | 10       | Unbiased            | 32.75      | 32.06       | -0.69  |
| 322      | 10       | Unbiased            | 32.634     | 32.262      | -0.372 |
| 323      | 30       | Bias                | 32.507     | 32.126      | -0.381 |
| 324      | 30       | Bias                | 33.253     | 32.779      | -0.474 |
| 325      | 30       | Bias                | 32.673     | 32.116      | -0.557 |
| 326      | 30       | Bias                | 33.139     | 32.822      | -0.317 |
| 327      | 30       | Bias                | 32.715     | 31.98       | -0.735 |
| 328      | 30       | Unbiased            | 32.85      | 32.056      | -0.794 |
| 329      | 30       | Unbiased            | 32.691     | 31.668      | -1.023 |
| 330      | 30       | Unbiased            | 33.452     | 32.284      | -1.168 |
| 331      | 30       | Unbiased            | 32.638     | 31.731      | -0.907 |
| 332      | 30       | Unbiased            | 32.558     | 31.268      | -1.29  |
| 333      | 50       | Bias                | 33.487     | 32.555      | -0.932 |
| 334      | 50       | Bias                | 32.552     | 31.688      | -0.864 |
| 335      | 50       | Bias                | 32.513     | 31.446      | -1.067 |
| 336      | 50       | Bias                | 32.692     | 31.687      | -1.005 |
| 337      | 50       | Bias                | 32.461     | 31.254      | -1.207 |
| 338      | 50       | Unbiased            | 33.485     | 31.851      | -1.634 |
| 339      | 50       | Unbiased            | 33.077     | 31.069      | -2.008 |
| 340      | 50       | Unbiased            | 33.149     | 30.887      | -2.262 |
| 341      | 50       | Unbiased            | 33.171     | 30.999      | -2.172 |
| 342      | 50       | Unbiased            | 33.195     | 31.11       | -2.085 |
| 343      | 100      | Bias                | 33.453     | 31.021      | -2.432 |
| 344      | 100      | Bias                | 33.083     | 30.845      | -2.238 |
| 345      | 100      | Bias                | 33.558     | 30.761      | -2.797 |
| 346      | 100      | Bias                | 32.046     | 29.687      | -2.359 |
| 347      | 100      | Bias                | 32.646     | 30.113      | -2.533 |
| 348      | 100      | Unbiased            | 33.07      | 29.645      | -3.425 |
| 349      | 100      | Unbiased            | 32.727     | 29.612      | -3.115 |
| 350      | 100      | Unbiased            | 33.1       | 29.287      | -3.813 |
| 351      | 100      | Unbiased            | 32.835     | 29.066      | -3.769 |
| 352      | 100      | Unbiased            | 33.379     | 29.982      | -3.397 |

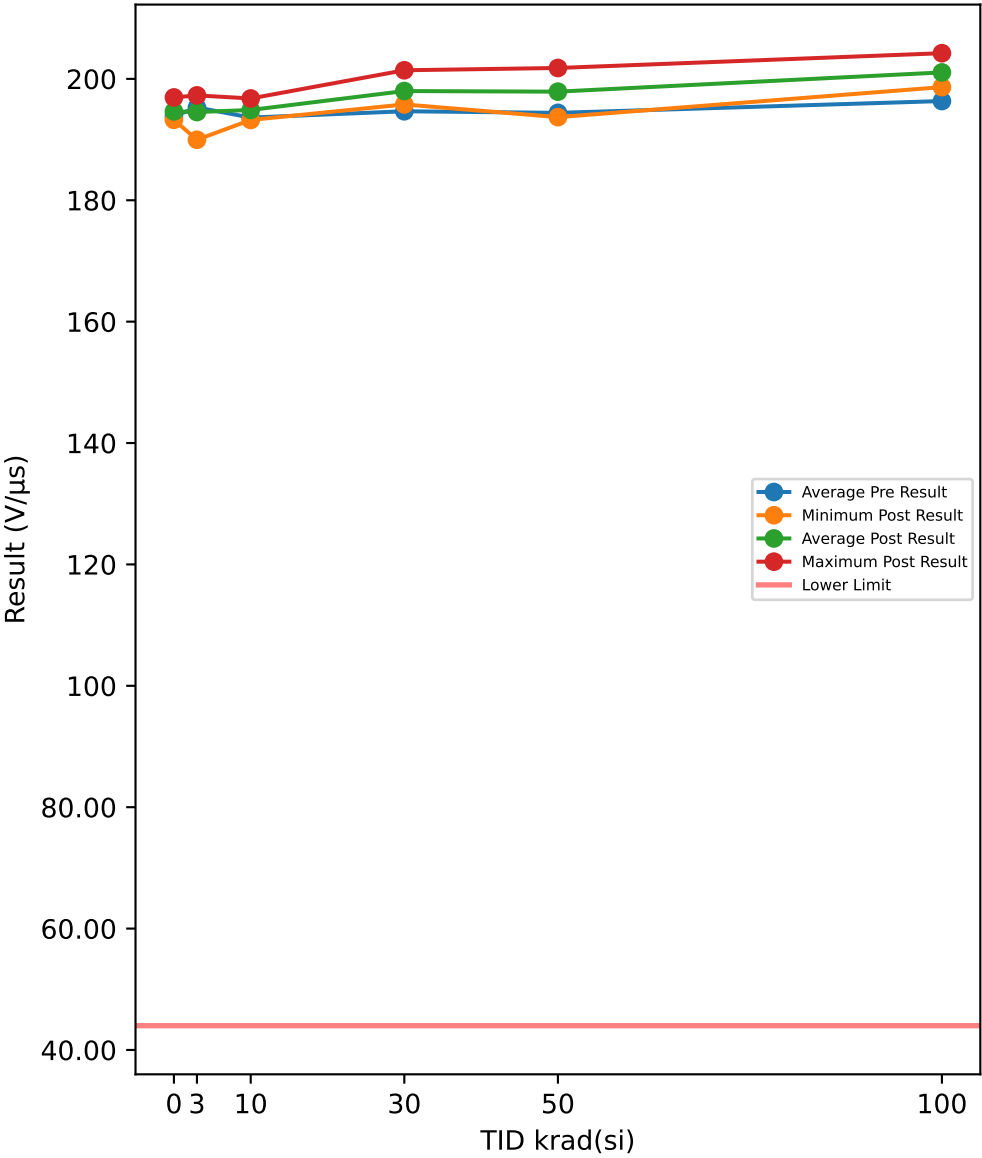
Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 32.697           | 33.091           | 33.581           | 0.44964          | 32.638            | 33.138            | 33.773            | 0.57942           | -0.059    | 0.046667  | 0.192     | 0.13012   |
| 3        | 32.671           | 32.971           | 33.571           | 0.29516          | 32.317            | 32.748            | 33.49             | 0.38118           | -0.416    | -0.2233   | 0.102     | 0.15502   |
| 10       | 32.308           | 32.659           | 33.221           | 0.29408          | 32.06             | 32.374            | 33.025            | 0.32982           | -0.69     | -0.285    | -0.034    | 0.18083   |
| 30       | 32.507           | 32.848           | 33.452           | 0.32162          | 31.268            | 32.083            | 32.822            | 0.47674           | -1.29     | -0.7646   | -0.317    | 0.33377   |
| 50       | 32.461           | 32.978           | 33.487           | 0.39247          | 30.887            | 31.455            | 32.555            | 0.50706           | -2.262    | -1.5236   | -0.864    | 0.5667    |
| 100      | 32.046           | 32.99            | 33.558           | 0.44946          | 29.066            | 30.002            | 31.021            | 0.67527           | -3.813    | -2.9878   | -2.238    | 0.59402   |

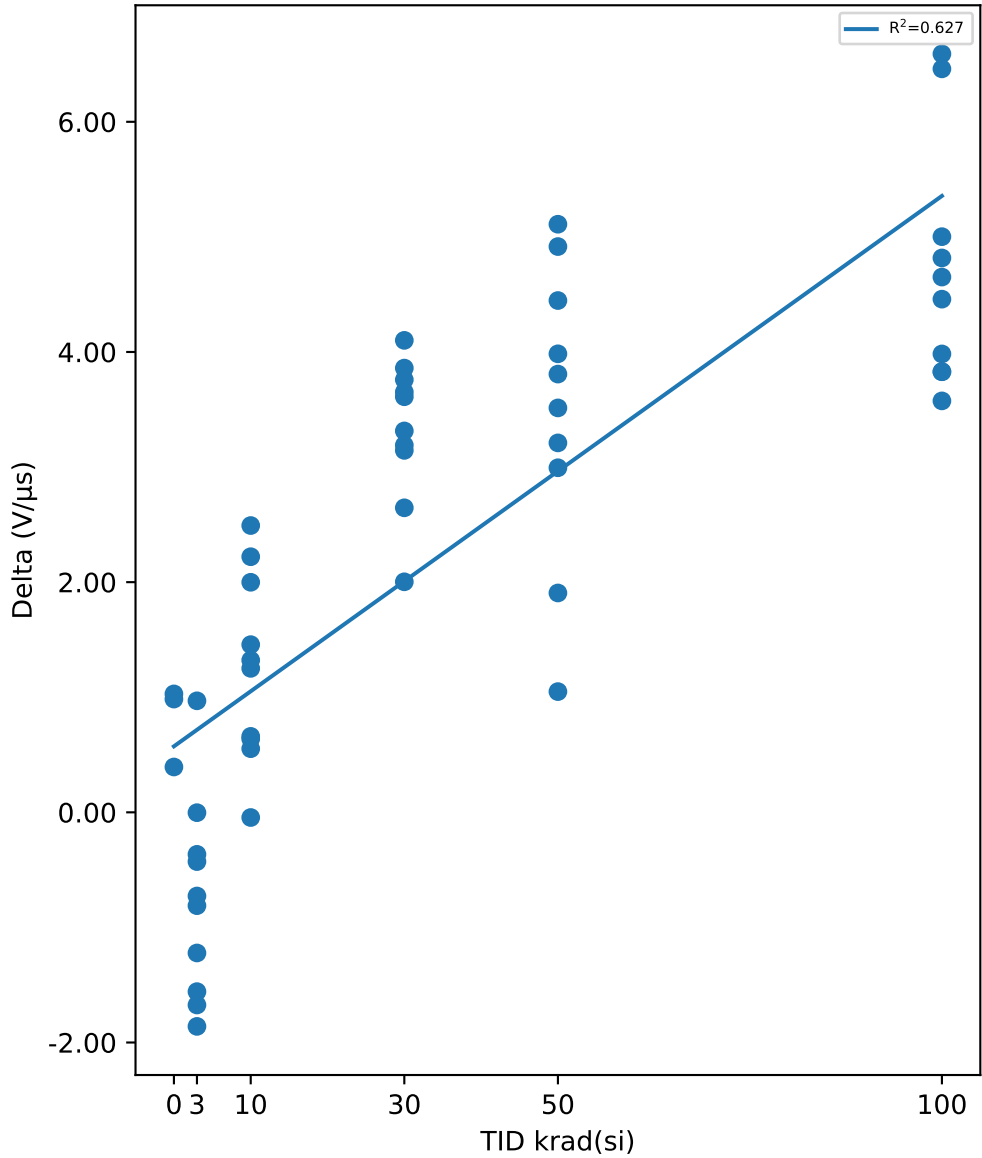


Device Test: 19.30 ; RESET\_SLEW\_RATE\_FALL

TID vs Result Stats



TID vs Post - Pre Exposure Delta

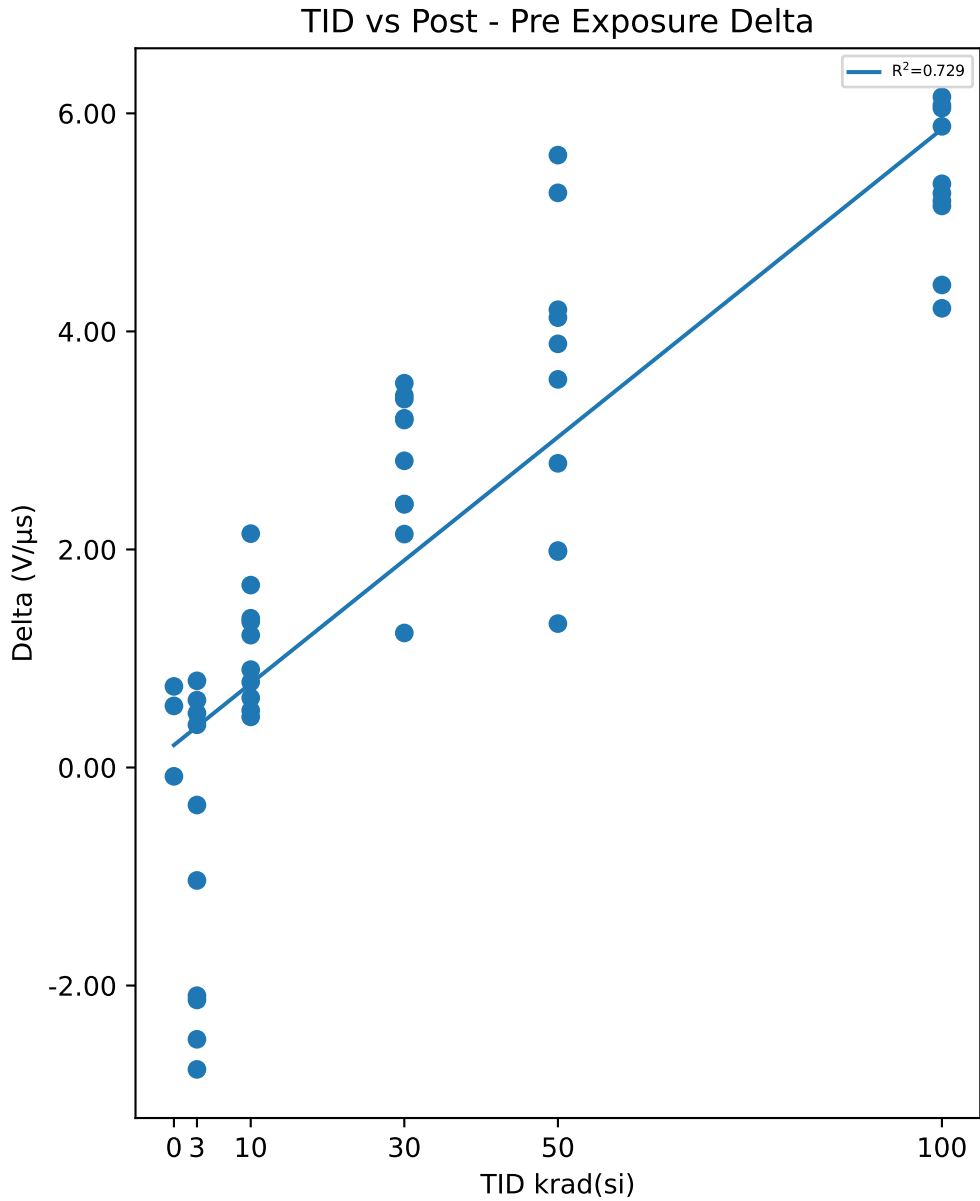
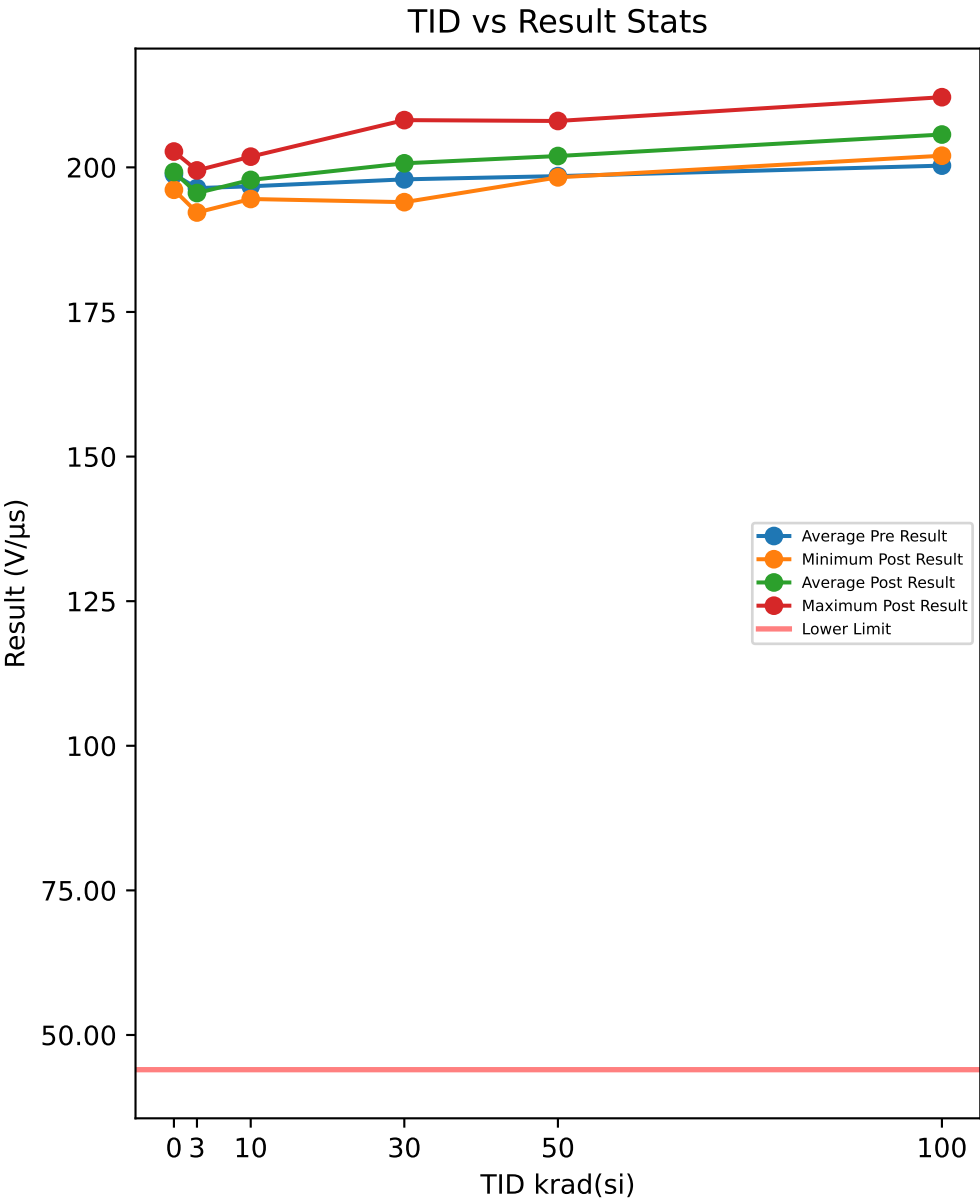


Test Results (Lower Limit = 44.0 (V/μs))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 192.71     | 193.74      | 1.029  |
| 301      | 0        | Correlation         | 195.95     | 196.94      | 0.984  |
| 302      | 0        | Correlation         | 192.86     | 193.25      | 0.394  |
| 303      | 3        | Bias                | 197.36     | 195.5       | -1.86  |
| 304      | 3        | Bias                | 193.42     | 192.61      | -0.811 |
| 305      | 3        | Bias                | 195.9      | 195.47      | -0.428 |
| 306      | 3        | Bias                | 197.29     | 195.73      | -1.558 |
| 307      | 3        | Bias                | 196.06     | 194.84      | -1.222 |
| 308      | 3        | Unbiased            | 196.53     | 194.86      | -1.674 |
| 309      | 3        | Unbiased            | 190.33     | 189.97      | -0.365 |
| 310      | 3        | Unbiased            | 193.17     | 193.17      | -0.003 |
| 311      | 3        | Unbiased            | 196.31     | 197.28      | 0.969  |
| 312      | 3        | Unbiased            | 196.59     | 195.87      | -0.727 |
| 313      | 10       | Bias                | 194.98     | 194.93      | -0.045 |
| 314      | 10       | Bias                | 191.98     | 193.23      | 1.251  |
| 315      | 10       | Bias                | 194.76     | 196.22      | 1.457  |
| 316      | 10       | Bias                | 194.41     | 195.04      | 0.638  |
| 317      | 10       | Bias                | 193.03     | 194.35      | 1.322  |
| 318      | 10       | Unbiased            | 195.37     | 196.03      | 0.66   |
| 319      | 10       | Unbiased            | 194.28     | 196.77      | 2.492  |
| 320      | 10       | Unbiased            | 192.02     | 194.02      | 1.999  |
| 321      | 10       | Unbiased            | 193.32     | 193.88      | 0.553  |
| 322      | 10       | Unbiased            | 192.08     | 194.3       | 2.221  |
| 323      | 30       | Bias                | 192.54     | 195.85      | 3.314  |
| 324      | 30       | Bias                | 194.2      | 197.81      | 3.611  |
| 325      | 30       | Bias                | 192.13     | 195.79      | 3.652  |
| 326      | 30       | Bias                | 197.27     | 201.37      | 4.101  |
| 327      | 30       | Bias                | 192.23     | 195.99      | 3.759  |
| 328      | 30       | Unbiased            | 194.06     | 197.92      | 3.86   |
| 329      | 30       | Unbiased            | 193.36     | 196.51      | 3.145  |
| 330      | 30       | Unbiased            | 199.41     | 201.42      | 2.003  |
| 331      | 30       | Unbiased            | 194.6      | 197.79      | 3.19   |
| 332      | 30       | Unbiased            | 196.83     | 199.47      | 2.646  |
| 333      | 50       | Bias                | 197.99     | 201.79      | 3.808  |
| 334      | 50       | Bias                | 192.71     | 196.22      | 3.514  |
| 335      | 50       | Bias                | 192.87     | 197.98      | 5.11   |
| 336      | 50       | Bias                | 193.65     | 198.57      | 4.916  |
| 337      | 50       | Bias                | 191.12     | 195.56      | 4.447  |
| 338      | 50       | Unbiased            | 194.02     | 198         | 3.984  |
| 339      | 50       | Unbiased            | 199.3      | 201.21      | 1.906  |
| 340      | 50       | Unbiased            | 192.65     | 193.69      | 1.049  |
| 341      | 50       | Unbiased            | 196.02     | 199.23      | 3.21   |
| 342      | 50       | Unbiased            | 193.67     | 196.67      | 2.994  |
| 343      | 100      | Bias                | 195.4      | 199.38      | 3.983  |
| 344      | 100      | Bias                | 193.82     | 198.64      | 4.817  |
| 345      | 100      | Bias                | 197.02     | 201.68      | 4.651  |
| 346      | 100      | Bias                | 198.41     | 202.24      | 3.829  |
| 347      | 100      | Bias                | 195.03     | 198.86      | 3.828  |
| 348      | 100      | Unbiased            | 197.29     | 200.87      | 3.575  |
| 349      | 100      | Unbiased            | 197.73     | 202.19      | 4.459  |
| 350      | 100      | Unbiased            | 197.77     | 204.23      | 6.46   |
| 351      | 100      | Unbiased            | 192.66     | 199.25      | 6.59   |
| 352      | 100      | Unbiased            | 198.31     | 203.31      | 5.002  |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 192.71           | 193.84           | 195.95           | 1.8305           | 193.25            | 194.64            | 196.94            | 2.0014            | 0.394     | 0.80233   | 1.029     | 0.35434   |
| 3        | 190.33           | 195.3            | 197.36           | 2.2624           | 189.97            | 194.53            | 197.28            | 2.0859            | -1.86     | -0.7679   | 0.969     | 0.86458   |
| 10       | 191.98           | 193.62           | 195.37           | 1.3052           | 193.23            | 194.88            | 196.77            | 1.1453            | -0.045    | 1.2548    | 2.492     | 0.81511   |
| 30       | 192.13           | 194.66           | 199.41           | 2.43             | 195.79            | 197.99            | 201.42            | 2.1362            | 2.003     | 3.3281    | 4.101     | 0.62582   |
| 50       | 191.12           | 194.4            | 199.3            | 2.5772           | 193.69            | 197.89            | 201.79            | 2.4899            | 1.049     | 3.4938    | 5.11      | 1.2785    |
| 100      | 192.66           | 196.34           | 198.41           | 1.999            | 198.64            | 201.06            | 204.23            | 1.9711            | 3.575     | 4.7194    | 6.59      | 1.0609    |

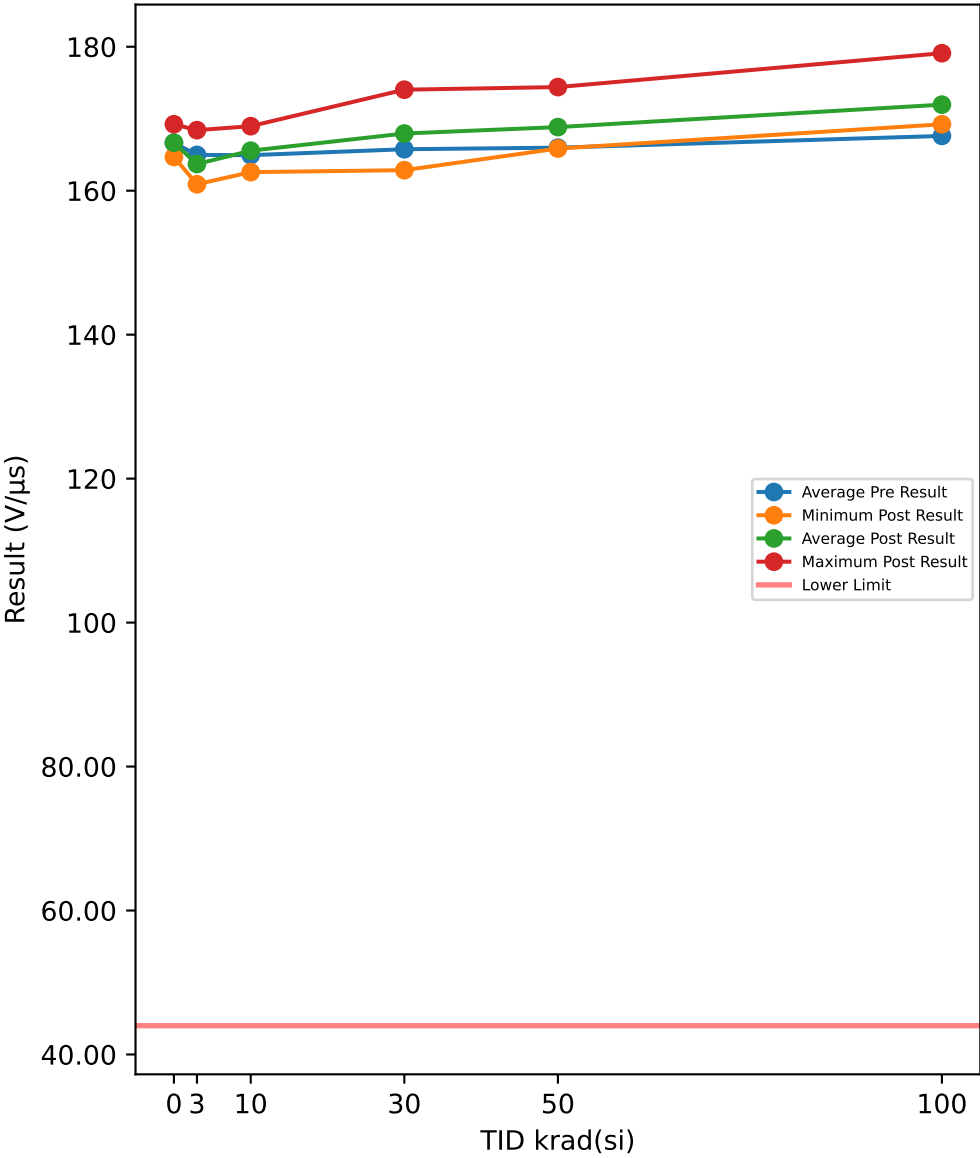


| Test Results (Lower Limit = 44.0 (V/μs)) |          |                     |            |             |        |
|------------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                      | 0        | Correlation         | 196.21     | 196.13      | -0.081 |
| 301                                      | 0        | Correlation         | 198.17     | 198.74      | 0.565  |
| 302                                      | 0        | Correlation         | 201.99     | 202.74      | 0.744  |
| 303                                      | 3        | Bias                | 196.55     | 194.05      | -2.493 |
| 304                                      | 3        | Bias                | 194.6      | 194.25      | -0.344 |
| 305                                      | 3        | Bias                | 201.56     | 199.47      | -2.093 |
| 306                                      | 3        | Bias                | 197.6      | 196.56      | -1.036 |
| 307                                      | 3        | Bias                | 194.96     | 192.19      | -2.769 |
| 308                                      | 3        | Unbiased            | 195.42     | 193.29      | -2.132 |
| 309                                      | 3        | Unbiased            | 194.93     | 195.32      | 0.392  |
| 310                                      | 3        | Unbiased            | 193.15     | 193.77      | 0.618  |
| 311                                      | 3        | Unbiased            | 197.75     | 198.25      | 0.498  |
| 312                                      | 3        | Unbiased            | 197.64     | 198.43      | 0.795  |
| 313                                      | 10       | Bias                | 195.18     | 196.39      | 1.214  |
| 314                                      | 10       | Bias                | 199.31     | 199.77      | 0.464  |
| 315                                      | 10       | Bias                | 198.49     | 199.39      | 0.898  |
| 316                                      | 10       | Bias                | 197.1      | 197.74      | 0.639  |
| 317                                      | 10       | Bias                | 195.47     | 196.84      | 1.369  |
| 318                                      | 10       | Unbiased            | 199.71     | 201.85      | 2.145  |
| 319                                      | 10       | Unbiased            | 194.01     | 194.53      | 0.523  |
| 320                                      | 10       | Unbiased            | 196.71     | 198.05      | 1.337  |
| 321                                      | 10       | Unbiased            | 196.79     | 198.47      | 1.673  |
| 322                                      | 10       | Unbiased            | 194.47     | 195.26      | 0.784  |
| 323                                      | 30       | Bias                | 192.02     | 195.21      | 3.187  |
| 324                                      | 30       | Bias                | 197.66     | 198.89      | 1.234  |
| 325                                      | 30       | Bias                | 203.75     | 207.13      | 3.379  |
| 326                                      | 30       | Bias                | 199.47     | 201.61      | 2.141  |
| 327                                      | 30       | Bias                | 193.8      | 196.22      | 2.417  |
| 328                                      | 30       | Unbiased            | 202.42     | 204.83      | 2.414  |
| 329                                      | 30       | Unbiased            | 191.17     | 193.98      | 2.813  |
| 330                                      | 30       | Unbiased            | 204.75     | 208.17      | 3.413  |
| 331                                      | 30       | Unbiased            | 196.64     | 199.84      | 3.203  |
| 332                                      | 30       | Unbiased            | 197.58     | 201.11      | 3.525  |
| 333                                      | 50       | Bias                | 201.71     | 204.5       | 2.79   |
| 334                                      | 50       | Bias                | 203.47     | 207.03      | 3.56   |
| 335                                      | 50       | Bias                | 193.02     | 198.64      | 5.617  |
| 336                                      | 50       | Bias                | 194.39     | 199.66      | 5.271  |
| 337                                      | 50       | Bias                | 197.59     | 201.47      | 3.886  |
| 338                                      | 50       | Unbiased            | 196.5      | 200.62      | 4.126  |
| 339                                      | 50       | Unbiased            | 206.03     | 208.02      | 1.99   |
| 340                                      | 50       | Unbiased            | 196.29     | 198.27      | 1.981  |
| 341                                      | 50       | Unbiased            | 195.71     | 199.91      | 4.199  |
| 342                                      | 50       | Unbiased            | 200.15     | 201.47      | 1.32   |
| 343                                      | 100      | Bias                | 202.9      | 207.11      | 4.212  |
| 344                                      | 100      | Bias                | 200.5      | 206.65      | 6.151  |
| 345                                      | 100      | Bias                | 198.74     | 203.89      | 5.151  |
| 346                                      | 100      | Bias                | 198.38     | 203.73      | 5.354  |
| 347                                      | 100      | Bias                | 202.84     | 208.91      | 6.075  |
| 348                                      | 100      | Unbiased            | 199.57     | 204.77      | 5.197  |
| 349                                      | 100      | Unbiased            | 196.75     | 202.01      | 5.268  |
| 350                                      | 100      | Unbiased            | 198.04     | 203.92      | 5.881  |
| 351                                      | 100      | Unbiased            | 197.59     | 203.64      | 6.048  |
| 352                                      | 100      | Unbiased            | 207.7      | 212.13      | 4.426  |

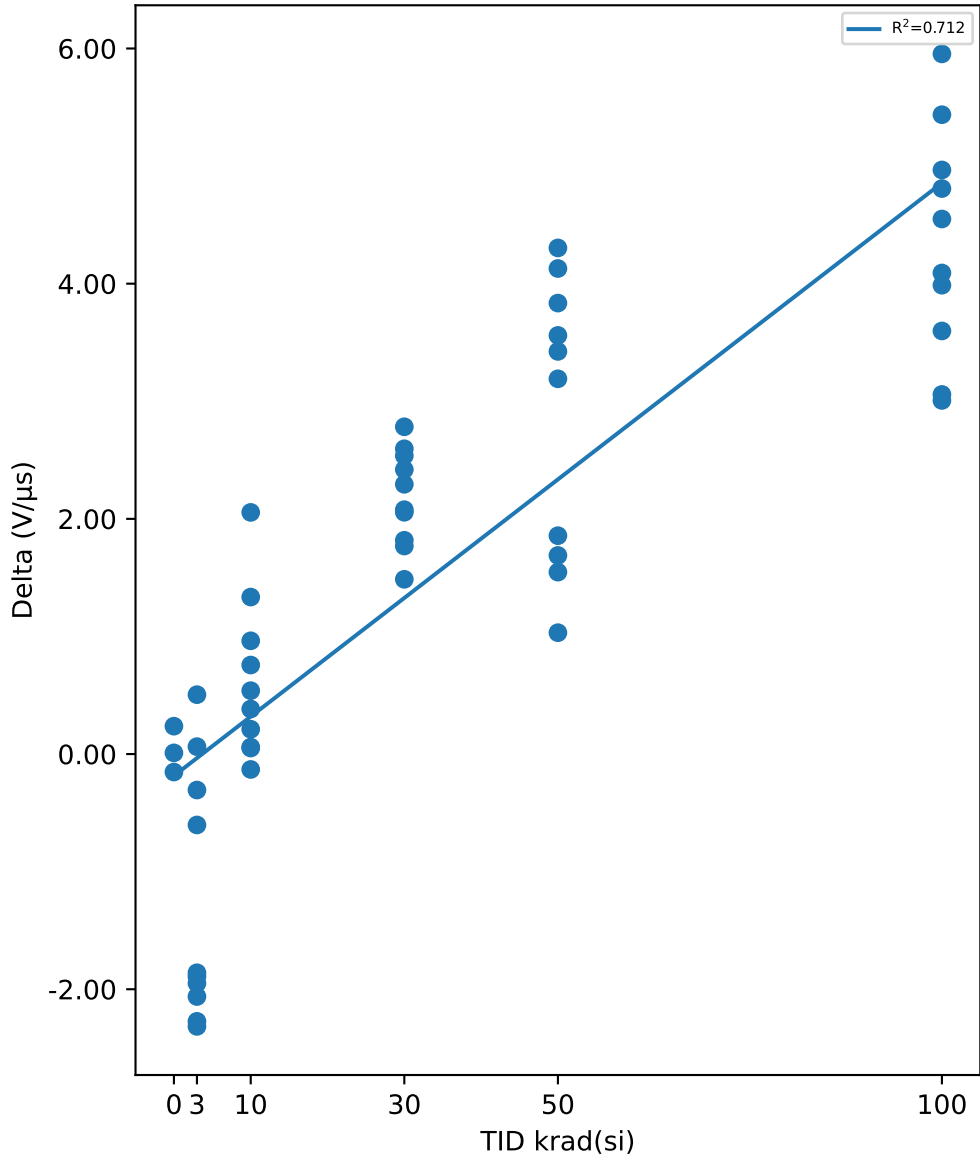
Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 196.21           | 198.79           | 201.99           | 2.942            | 196.13            | 199.2             | 202.74            | 3.3294            | -0.081    | 0.40933   | 0.744     | 0.43397   |
| 3        | 193.15           | 196.42           | 201.56           | 2.3685           | 192.19            | 195.56            | 199.47            | 2.4835            | -2.769    | -0.8564   | 0.795     | 1.4174    |
| 10       | 194.01           | 196.72           | 199.71           | 1.9795           | 194.53            | 197.83            | 201.85            | 2.1961            | 0.464     | 1.1046    | 2.145     | 0.54286   |
| 30       | 191.17           | 197.93           | 204.75           | 4.7426           | 193.98            | 200.7             | 208.17            | 4.8819            | 1.234     | 2.7726    | 3.525     | 0.72448   |
| 50       | 193.02           | 198.49           | 206.03           | 4.202            | 198.27            | 201.96            | 208.02            | 3.4212            | 1.32      | 3.474     | 5.617     | 1.4333    |
| 100      | 196.75           | 200.3            | 207.7            | 3.3291           | 202.01            | 205.68            | 212.13            | 3.0466            | 4.212     | 5.3763    | 6.151     | 0.67889   |

TID vs Result Stats



TID vs Post - Pre Exposure Delta

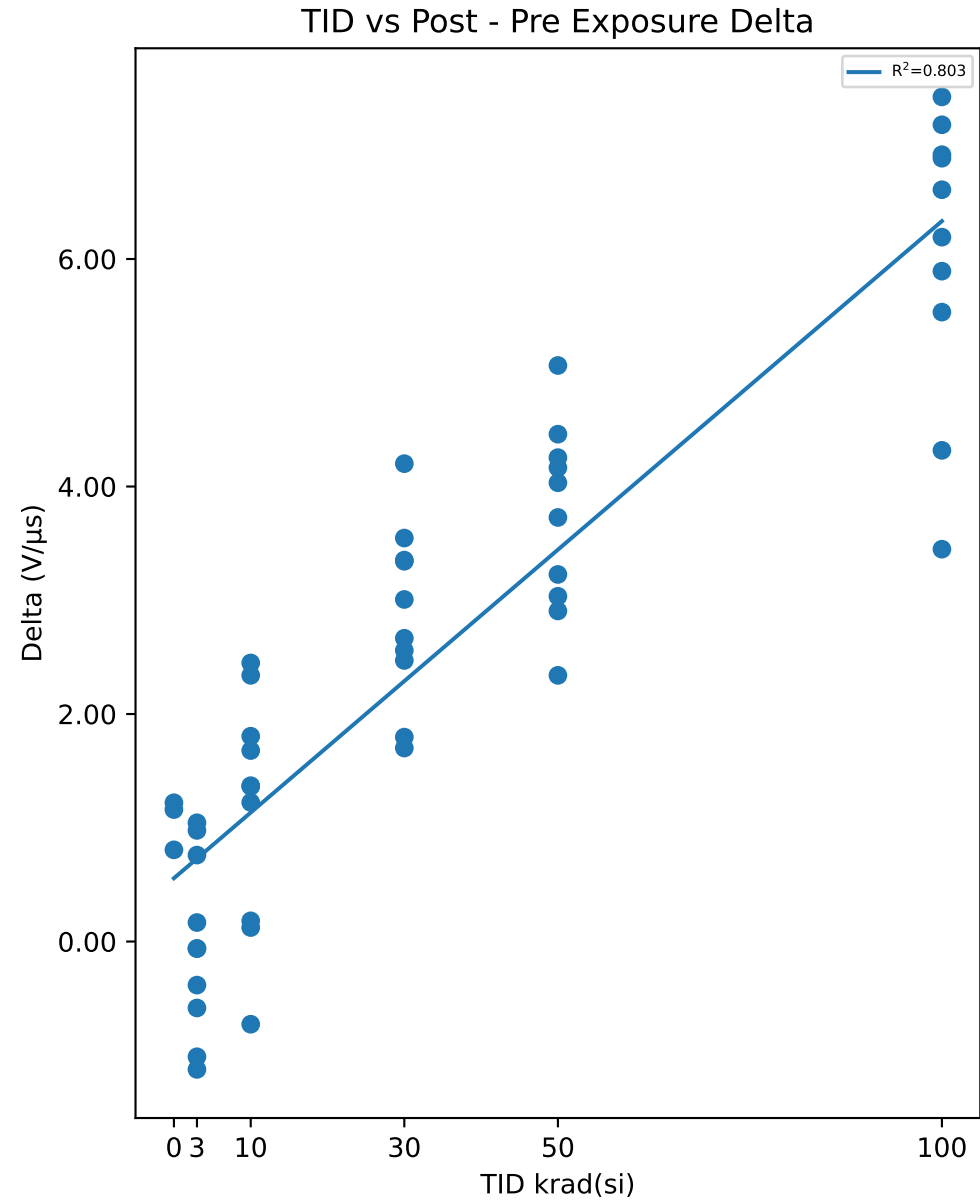
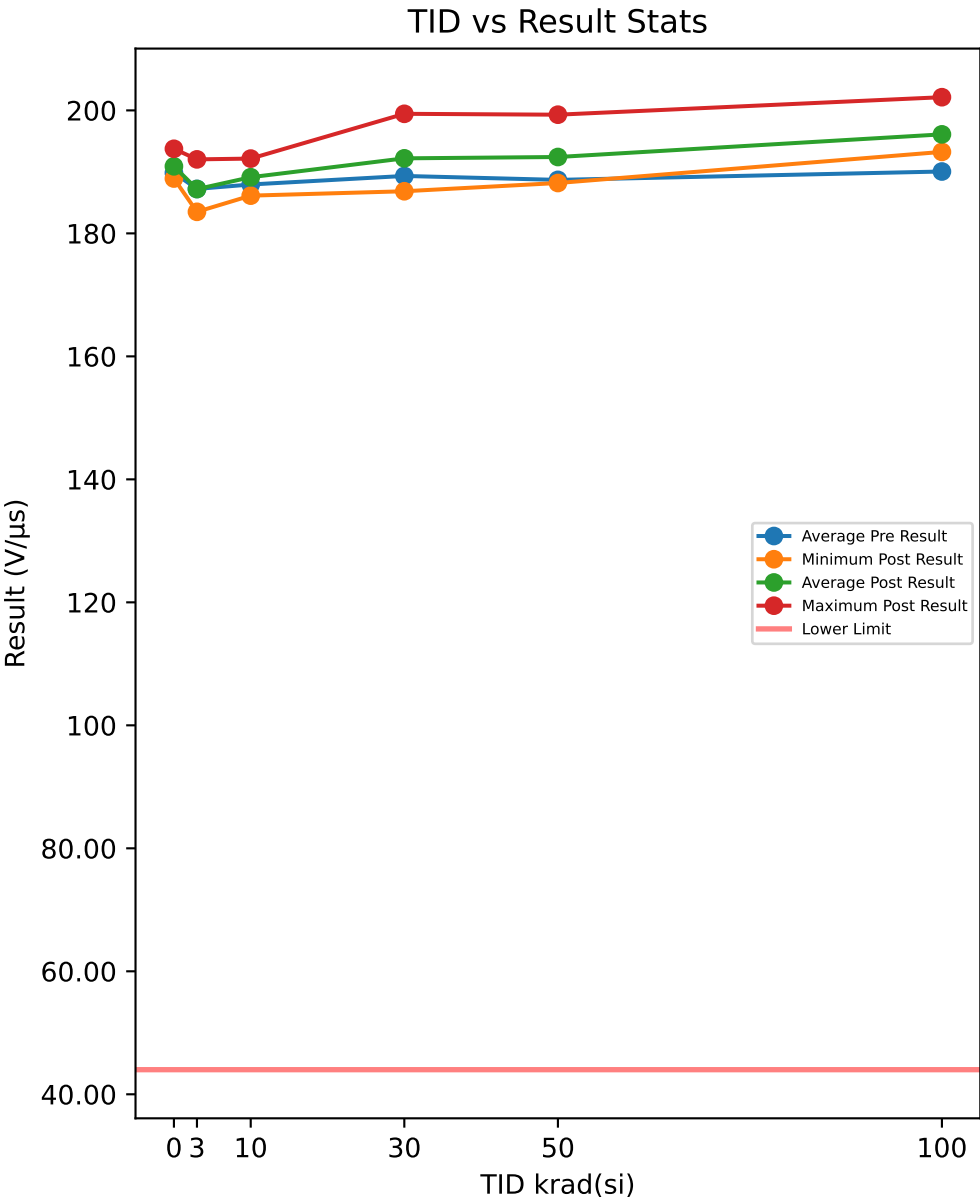


Test Results (Lower Limit = 44.0 (V/μs))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 164.68     | 164.69      | 0.01   |
| 301      | 0        | Correlation         | 166.25     | 166.09      | -0.153 |
| 302      | 0        | Correlation         | 169        | 169.24      | 0.237  |
| 303      | 3        | Bias                | 165.08     | 163.13      | -1.949 |
| 304      | 3        | Bias                | 162.79     | 160.9       | -1.891 |
| 305      | 3        | Bias                | 170.73     | 168.41      | -2.316 |
| 306      | 3        | Bias                | 165.91     | 163.63      | -2.273 |
| 307      | 3        | Bias                | 163.16     | 161.09      | -2.062 |
| 308      | 3        | Unbiased            | 163.56     | 161.7       | -1.86  |
| 309      | 3        | Unbiased            | 163.32     | 163.39      | 0.063  |
| 310      | 3        | Unbiased            | 162.17     | 162.68      | 0.505  |
| 311      | 3        | Unbiased            | 166.85     | 166.55      | -0.306 |
| 312      | 3        | Unbiased            | 166.18     | 165.58      | -0.603 |
| 313      | 10       | Bias                | 163.82     | 163.88      | 0.059  |
| 314      | 10       | Bias                | 166.31     | 166.53      | 0.211  |
| 315      | 10       | Bias                | 166.86     | 167.82      | 0.963  |
| 316      | 10       | Bias                | 165.13     | 165.51      | 0.383  |
| 317      | 10       | Bias                | 163.6      | 164.36      | 0.757  |
| 318      | 10       | Unbiased            | 167.63     | 168.97      | 1.335  |
| 319      | 10       | Unbiased            | 162.93     | 163.47      | 0.539  |
| 320      | 10       | Unbiased            | 164.47     | 166.52      | 2.055  |
| 321      | 10       | Unbiased            | 165.91     | 165.96      | 0.051  |
| 322      | 10       | Unbiased            | 162.71     | 162.58      | -0.131 |
| 323      | 30       | Bias                | 161.03     | 162.85      | 1.818  |
| 324      | 30       | Bias                | 165.56     | 167.33      | 1.769  |
| 325      | 30       | Bias                | 169.44     | 171.5       | 2.056  |
| 326      | 30       | Bias                | 166.99     | 169.41      | 2.419  |
| 327      | 30       | Bias                | 163.31     | 165.91      | 2.596  |
| 328      | 30       | Unbiased            | 169.2      | 171.74      | 2.537  |
| 329      | 30       | Unbiased            | 161.52     | 163.01      | 1.486  |
| 330      | 30       | Unbiased            | 171.25     | 174.03      | 2.783  |
| 331      | 30       | Unbiased            | 162.68     | 164.75      | 2.078  |
| 332      | 30       | Unbiased            | 166.63     | 168.92      | 2.294  |
| 333      | 50       | Bias                | 167.69     | 170.88      | 3.191  |
| 334      | 50       | Bias                | 169.05     | 173.35      | 4.304  |
| 335      | 50       | Bias                | 162.3      | 165.86      | 3.56   |
| 336      | 50       | Bias                | 161.93     | 166.06      | 4.129  |
| 337      | 50       | Bias                | 164.51     | 168.35      | 3.835  |
| 338      | 50       | Unbiased            | 164.14     | 167.56      | 3.424  |
| 339      | 50       | Unbiased            | 172.54     | 174.4       | 1.857  |
| 340      | 50       | Unbiased            | 164.65     | 166.34      | 1.689  |
| 341      | 50       | Unbiased            | 165.15     | 166.7       | 1.547  |
| 342      | 50       | Unbiased            | 167.84     | 168.87      | 1.032  |
| 343      | 100      | Bias                | 169.76     | 172.82      | 3.058  |
| 344      | 100      | Bias                | 168.46     | 171.47      | 3.007  |
| 345      | 100      | Bias                | 166.42     | 170.41      | 3.987  |
| 346      | 100      | Bias                | 164.26     | 169.23      | 4.967  |
| 347      | 100      | Bias                | 169.88     | 174.43      | 4.55   |
| 348      | 100      | Unbiased            | 167.02     | 170.62      | 3.598  |
| 349      | 100      | Unbiased            | 166.05     | 170.14      | 4.091  |
| 350      | 100      | Unbiased            | 166.06     | 172.01      | 5.954  |
| 351      | 100      | Unbiased            | 164.51     | 169.32      | 4.809  |
| 352      | 100      | Unbiased            | 173.67     | 179.1       | 5.437  |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 164.68           | 166.64           | 169              | 2.1871           | 164.69            | 166.67            | 169.24            | 2.3283            | -0.153    | 0.031333  | 0.237     | 0.19587   |
| 3        | 162.17           | 164.97           | 170.73           | 2.5743           | 160.9             | 163.71            | 168.41            | 2.4485            | -2.316    | -1.2692   | 0.505     | 1.0658    |
| 10       | 162.71           | 164.94           | 167.63           | 1.7025           | 162.58            | 165.56            | 168.97            | 2.0079            | -0.131    | 0.6222    | 2.055     | 0.67818   |
| 30       | 161.03           | 165.76           | 171.25           | 3.5533           | 162.85            | 167.95            | 174.03            | 3.8323            | 1.486     | 2.1836    | 2.783     | 0.41385   |
| 50       | 161.93           | 165.98           | 172.54           | 3.2784           | 165.86            | 168.84            | 174.4             | 3.0682            | 1.032     | 2.8568    | 4.304     | 1.2021    |
| 100      | 164.26           | 167.61           | 173.67           | 2.8793           | 169.23            | 171.95            | 179.1             | 2.9824            | 3.007     | 4.3458    | 5.954     | 0.97882   |

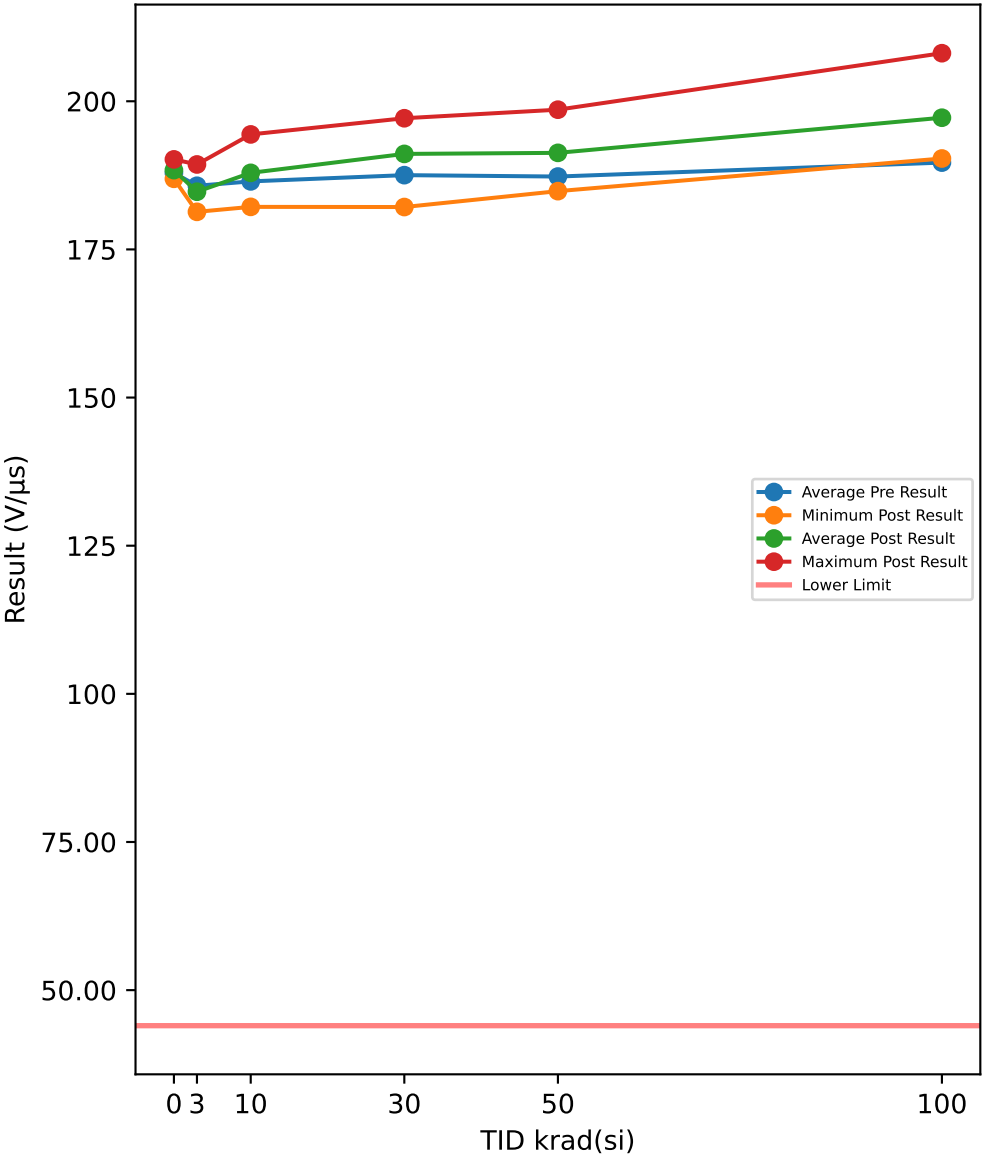


| Test Results (Lower Limit = 44.0 (V/μs)) |          |                     |            |             |        |
|------------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                      | 0        | Correlation         | 187.7      | 188.92      | 1.22   |
| 301                                      | 0        | Correlation         | 189.23     | 190.04      | 0.806  |
| 302                                      | 0        | Correlation         | 192.59     | 193.75      | 1.16   |
| 303                                      | 3        | Bias                | 186.74     | 186.67      | -0.062 |
| 304                                      | 3        | Bias                | 184.09     | 183.5       | -0.584 |
| 305                                      | 3        | Bias                | 193.16     | 192.03      | -1.124 |
| 306                                      | 3        | Bias                | 188.35     | 187.34      | -1.013 |
| 307                                      | 3        | Bias                | 184.77     | 184.71      | -0.061 |
| 308                                      | 3        | Unbiased            | 185.07     | 185.24      | 0.167  |
| 309                                      | 3        | Unbiased            | 185.9      | 186.87      | 0.977  |
| 310                                      | 3        | Unbiased            | 184.69     | 185.73      | 1.044  |
| 311                                      | 3        | Unbiased            | 189.99     | 190.75      | 0.76   |
| 312                                      | 3        | Unbiased            | 189.56     | 189.18      | -0.383 |
| 313                                      | 10       | Bias                | 185.8      | 188.25      | 2.449  |
| 314                                      | 10       | Bias                | 190.52     | 190.64      | 0.123  |
| 315                                      | 10       | Bias                | 189.82     | 192.16      | 2.34   |
| 316                                      | 10       | Bias                | 187.1      | 188.91      | 1.805  |
| 317                                      | 10       | Bias                | 186.06     | 187.28      | 1.223  |
| 318                                      | 10       | Unbiased            | 191.53     | 191.71      | 0.182  |
| 319                                      | 10       | Unbiased            | 185.82     | 187.19      | 1.37   |
| 320                                      | 10       | Unbiased            | 189.65     | 188.92      | -0.727 |
| 321                                      | 10       | Unbiased            | 188.75     | 190.12      | 1.364  |
| 322                                      | 10       | Unbiased            | 184.46     | 186.14      | 1.679  |
| 323                                      | 30       | Bias                | 183.89     | 186.9       | 3.007  |
| 324                                      | 30       | Bias                | 188.03     | 190.7       | 2.666  |
| 325                                      | 30       | Bias                | 193.04     | 196.39      | 3.353  |
| 326                                      | 30       | Bias                | 191.54     | 193.24      | 1.701  |
| 327                                      | 30       | Bias                | 186.87     | 189.34      | 2.471  |
| 328                                      | 30       | Unbiased            | 193.57     | 195.37      | 1.797  |
| 329                                      | 30       | Unbiased            | 184.29     | 186.85      | 2.559  |
| 330                                      | 30       | Unbiased            | 195.24     | 199.44      | 4.201  |
| 331                                      | 30       | Unbiased            | 186.63     | 190.18      | 3.547  |
| 332                                      | 30       | Unbiased            | 190.29     | 193.63      | 3.343  |
| 333                                      | 50       | Bias                | 190.81     | 194.97      | 4.166  |
| 334                                      | 50       | Bias                | 193.41     | 197.14      | 3.728  |
| 335                                      | 50       | Bias                | 184.76     | 189.22      | 4.46   |
| 336                                      | 50       | Bias                | 185.38     | 189.64      | 4.254  |
| 337                                      | 50       | Bias                | 188.37     | 193.43      | 5.064  |
| 338                                      | 50       | Unbiased            | 187.21     | 191.24      | 4.033  |
| 339                                      | 50       | Unbiased            | 196.96     | 199.3       | 2.34   |
| 340                                      | 50       | Unbiased            | 185.6      | 188.64      | 3.035  |
| 341                                      | 50       | Unbiased            | 184.97     | 188.19      | 3.227  |
| 342                                      | 50       | Unbiased            | 189.51     | 192.42      | 2.906  |
| 343                                      | 100      | Bias                | 193.96     | 197.41      | 3.449  |
| 344                                      | 100      | Bias                | 190.42     | 194.73      | 4.318  |
| 345                                      | 100      | Bias                | 186.36     | 193.54      | 7.18   |
| 346                                      | 100      | Bias                | 187.01     | 193.93      | 6.917  |
| 347                                      | 100      | Bias                | 193.8      | 200         | 6.192  |
| 348                                      | 100      | Unbiased            | 189.69     | 195.59      | 5.893  |
| 349                                      | 100      | Unbiased            | 186.64     | 193.25      | 6.609  |
| 350                                      | 100      | Unbiased            | 189.51     | 196.93      | 7.425  |
| 351                                      | 100      | Unbiased            | 186.61     | 193.49      | 6.886  |
| 352                                      | 100      | Unbiased            | 196.61     | 202.15      | 5.533  |

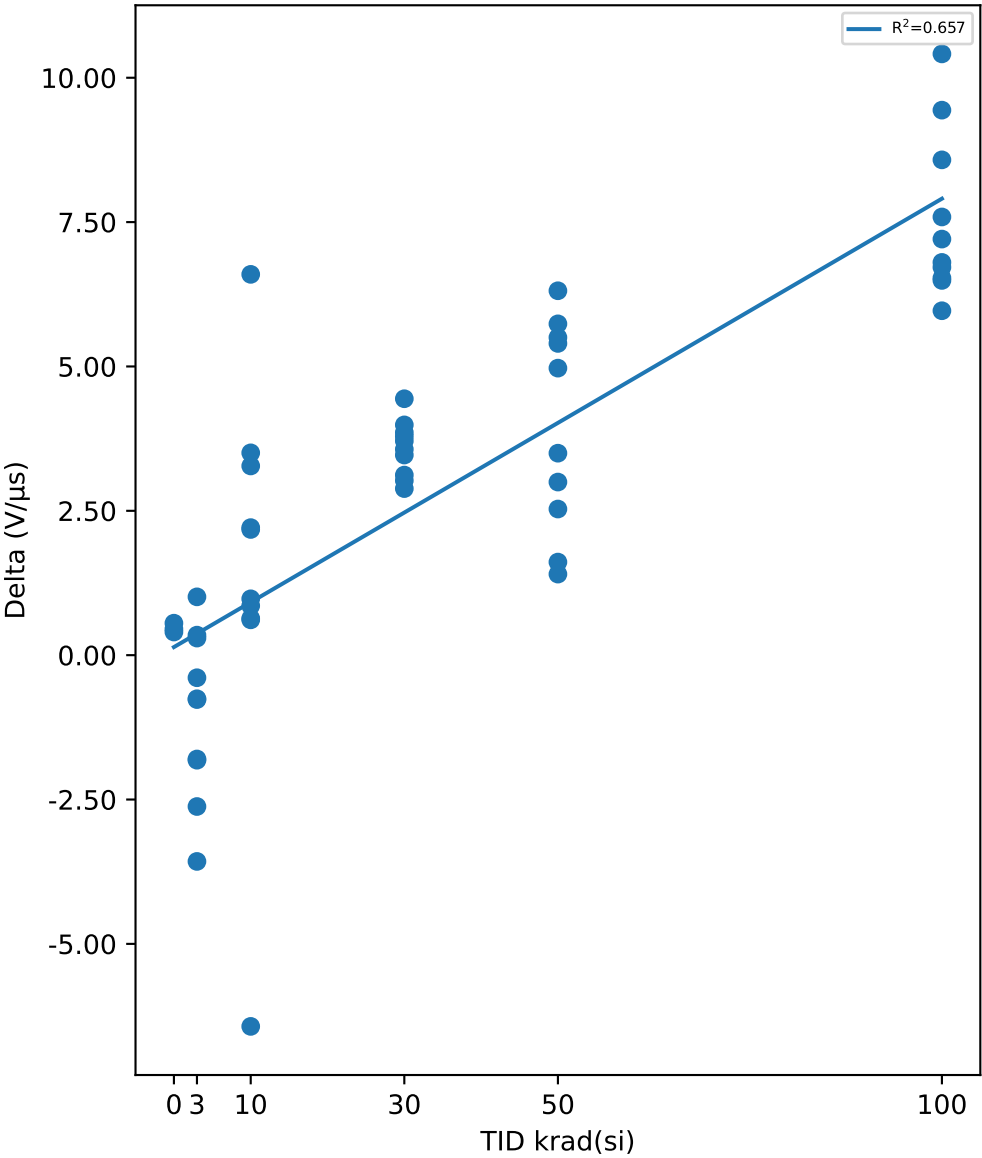
Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 187.7            | 189.84           | 192.59           | 2.5033           | 188.92            | 190.91            | 193.75            | 2.5305            | 0.806     | 1.062     | 1.22      | 0.22372   |
| 3        | 184.09           | 187.23           | 193.16           | 2.9537           | 183.5             | 187.2             | 192.03            | 2.7108            | -1.124    | -0.0279   | 1.044     | 0.77653   |
| 10       | 184.46           | 187.95           | 191.53           | 2.406            | 186.14            | 189.13            | 192.16            | 2.0038            | -0.727    | 1.1808    | 2.449     | 1.0229    |
| 30       | 183.89           | 189.34           | 195.24           | 3.9796           | 186.85            | 192.2             | 199.44            | 4.1431            | 1.701     | 2.8645    | 4.201     | 0.78321   |
| 50       | 184.76           | 188.7            | 196.96           | 4.0539           | 188.19            | 192.42            | 199.3             | 3.7814            | 2.34      | 3.7213    | 5.064     | 0.83102   |
| 100      | 186.36           | 190.06           | 196.61           | 3.6409           | 193.25            | 196.1             | 202.15            | 3.0265            | 3.449     | 6.0402    | 7.425     | 1.2913    |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 44.0 (V/μs))

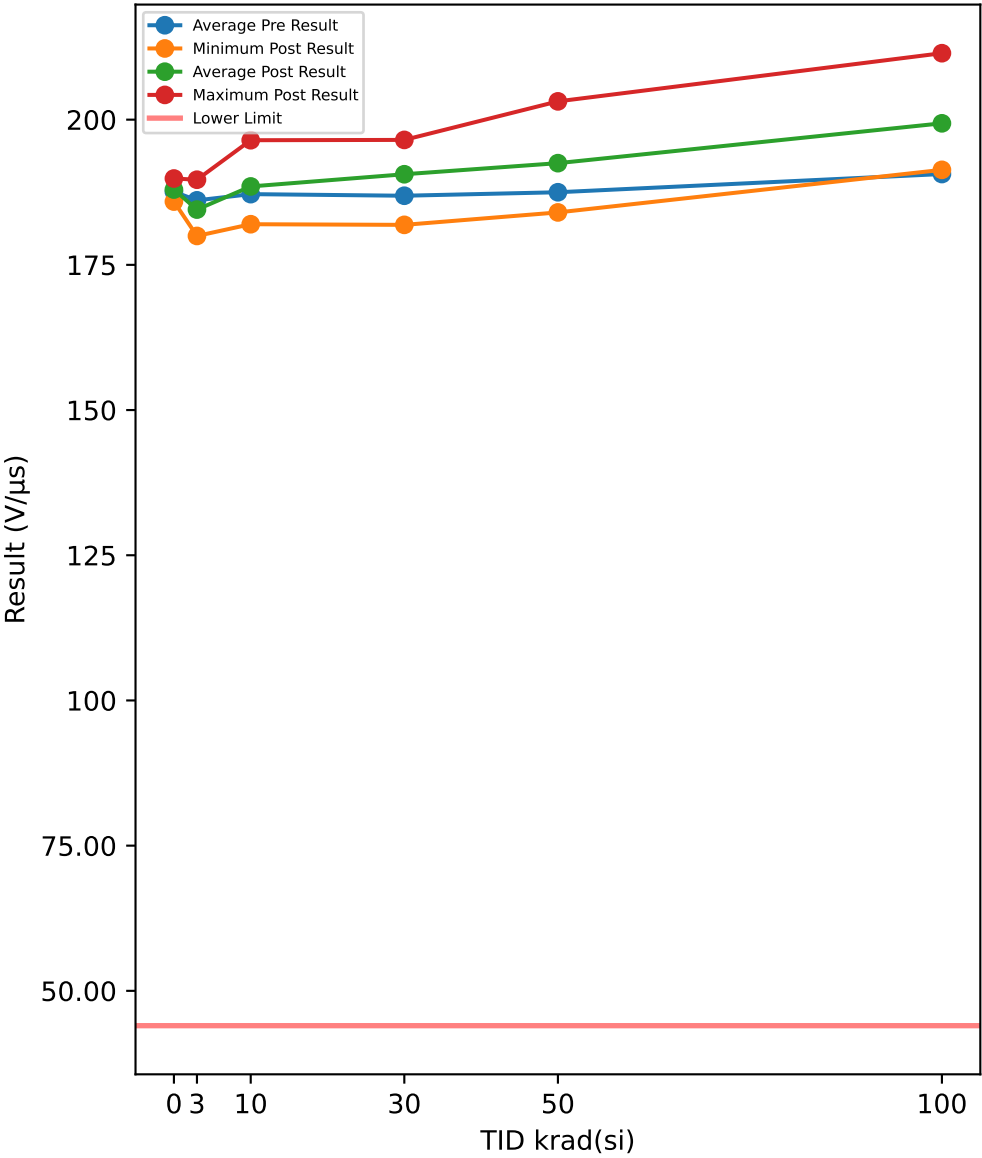
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 186.51     | 186.92      | 0.401  |
| 301      | 0        | Correlation         | 187.49     | 188.04      | 0.554  |
| 302      | 0        | Correlation         | 189.74     | 190.19      | 0.453  |
| 303      | 3        | Bias                | 185.66     | 183.86      | -1.798 |
| 304      | 3        | Bias                | 183.16     | 181.34      | -1.819 |
| 305      | 3        | Bias                | 192.91     | 189.34      | -3.572 |
| 306      | 3        | Bias                | 189.17     | 186.54      | -2.621 |
| 307      | 3        | Bias                | 182.22     | 181.47      | -0.755 |
| 308      | 3        | Unbiased            | 183.24     | 182.47      | -0.769 |
| 309      | 3        | Unbiased            | 184.53     | 184.88      | 0.347  |
| 310      | 3        | Unbiased            | 182.38     | 183.39      | 1.01   |
| 311      | 3        | Unbiased            | 189.44     | 189.05      | -0.391 |
| 312      | 3        | Unbiased            | 184.69     | 184.98      | 0.296  |
| 313      | 10       | Bias                | 185.85     | 186.49      | 0.638  |
| 314      | 10       | Bias                | 182.61     | 183.47      | 0.856  |
| 315      | 10       | Bias                | 189.78     | 193.05      | 3.277  |
| 316      | 10       | Bias                | 189.63     | 190.25      | 0.612  |
| 317      | 10       | Bias                | 185.39     | 188.9       | 3.504  |
| 318      | 10       | Unbiased            | 185.96     | 188.13      | 2.177  |
| 319      | 10       | Unbiased            | 181.35     | 183.56      | 2.209  |
| 320      | 10       | Unbiased            | 187.81     | 194.41      | 6.595  |
| 321      | 10       | Unbiased            | 195.19     | 188.76      | -6.429 |
| 322      | 10       | Unbiased            | 181.2      | 182.18      | 0.976  |
| 323      | 30       | Bias                | 178.29     | 182.15      | 3.857  |
| 324      | 30       | Bias                | 185.7      | 188.58      | 2.885  |
| 325      | 30       | Bias                | 188.68     | 193.12      | 4.441  |
| 326      | 30       | Bias                | 190.47     | 194.46      | 3.988  |
| 327      | 30       | Bias                | 188.45     | 191.57      | 3.119  |
| 328      | 30       | Unbiased            | 191.96     | 195.42      | 3.466  |
| 329      | 30       | Unbiased            | 183.87     | 186.9       | 3.024  |
| 330      | 30       | Unbiased            | 193.57     | 197.13      | 3.566  |
| 331      | 30       | Unbiased            | 187.61     | 191.32      | 3.71   |
| 332      | 30       | Unbiased            | 186.72     | 190.5       | 3.788  |
| 333      | 50       | Bias                | 192.27     | 198.58      | 6.311  |
| 334      | 50       | Bias                | 189.16     | 194.66      | 5.502  |
| 335      | 50       | Bias                | 184.1      | 189.5       | 5.399  |
| 336      | 50       | Bias                | 185.78     | 189.27      | 3.498  |
| 337      | 50       | Bias                | 187.59     | 193.33      | 5.738  |
| 338      | 50       | Unbiased            | 183.81     | 188.78      | 4.971  |
| 339      | 50       | Unbiased            | 194.36     | 195.98      | 1.612  |
| 340      | 50       | Unbiased            | 181.83     | 184.83      | 2.998  |
| 341      | 50       | Unbiased            | 186.5      | 189.03      | 2.531  |
| 342      | 50       | Unbiased            | 187.56     | 188.97      | 1.404  |
| 343      | 100      | Bias                | 194.77     | 201.97      | 7.206  |
| 344      | 100      | Bias                | 193.2      | 199.69      | 6.49   |
| 345      | 100      | Bias                | 186.25     | 192.22      | 5.965  |
| 346      | 100      | Bias                | 187.74     | 194.46      | 6.718  |
| 347      | 100      | Bias                | 199.53     | 208.11      | 8.578  |
| 348      | 100      | Unbiased            | 186.47     | 194.06      | 7.589  |
| 349      | 100      | Unbiased            | 188.61     | 195.14      | 6.533  |
| 350      | 100      | Unbiased            | 184.94     | 195.36      | 10.413 |
| 351      | 100      | Unbiased            | 183.54     | 190.34      | 6.802  |
| 352      | 100      | Unbiased            | 191.45     | 200.89      | 9.439  |

Test Statistics (V/μs)

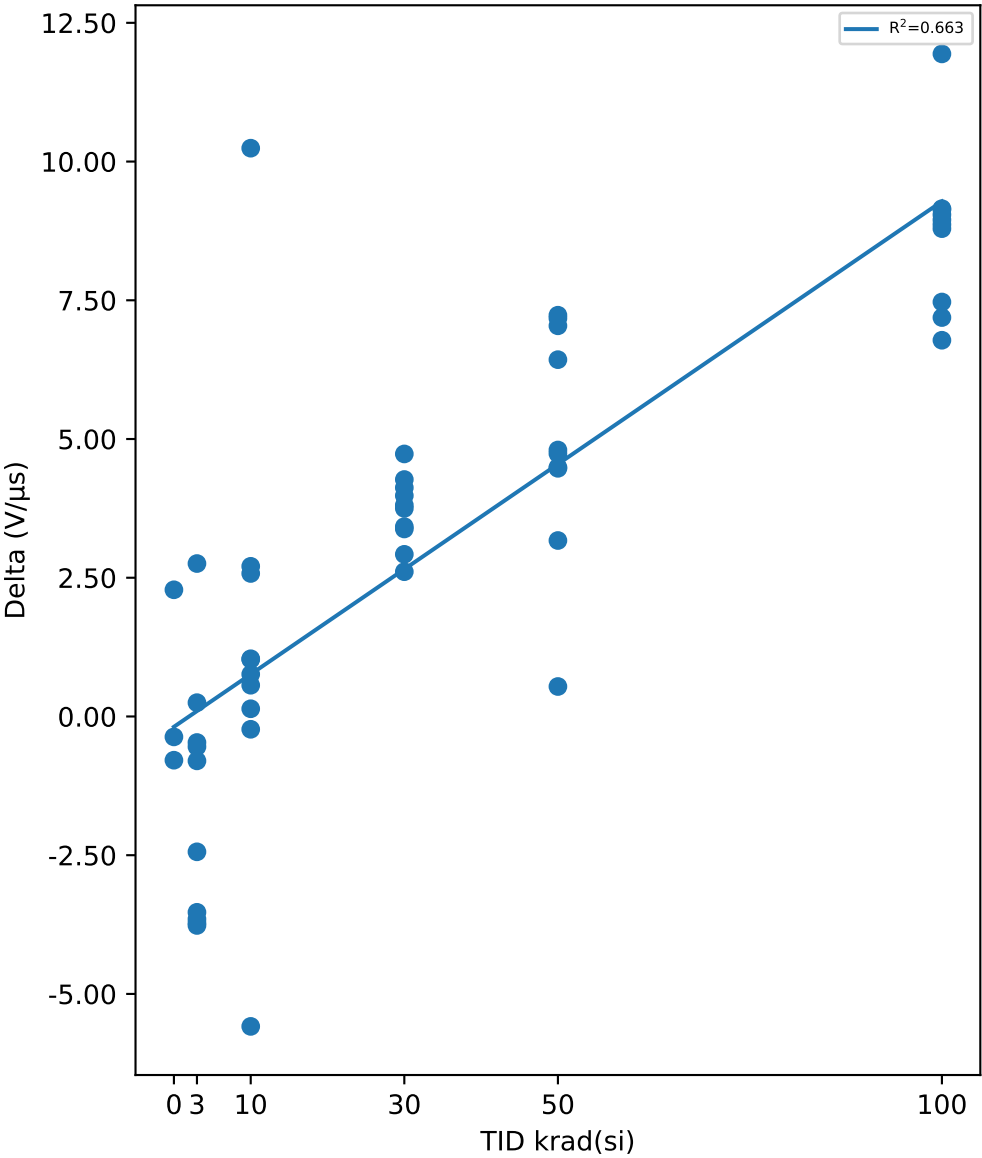
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 186.51           | 187.91           | 189.74           | 1.6539           | 186.92            | 188.38            | 190.19            | 1.6647            | 0.401     | 0.46933   | 0.554     | 0.077797  |
| 3        | 182.22           | 185.74           | 192.91           | 3.5893           | 181.34            | 184.73            | 189.34            | 2.8488            | -3.572    | -1.0072   | 1.01      | 1.4364    |
| 10       | 181.2            | 186.48           | 195.19           | 4.3389           | 182.18            | 187.92            | 194.41            | 4.0737            | -6.429    | 1.4415    | 6.595     | 3.3191    |
| 30       | 178.29           | 187.53           | 193.57           | 4.3407           | 182.15            | 191.12            | 197.13            | 4.4118            | 2.885     | 3.5844    | 4.441     | 0.4787    |
| 50       | 181.83           | 187.3            | 194.36           | 3.8503           | 184.83            | 191.29            | 198.58            | 4.1686            | 1.404     | 3.9964    | 6.311     | 1.8066    |
| 100      | 183.54           | 189.65           | 199.53           | 5.0067           | 190.34            | 197.22            | 208.11            | 5.3597            | 5.965     | 7.5733    | 10.413    | 1.4475    |



TID vs Result Stats



TID vs Post - Pre Exposure Delta

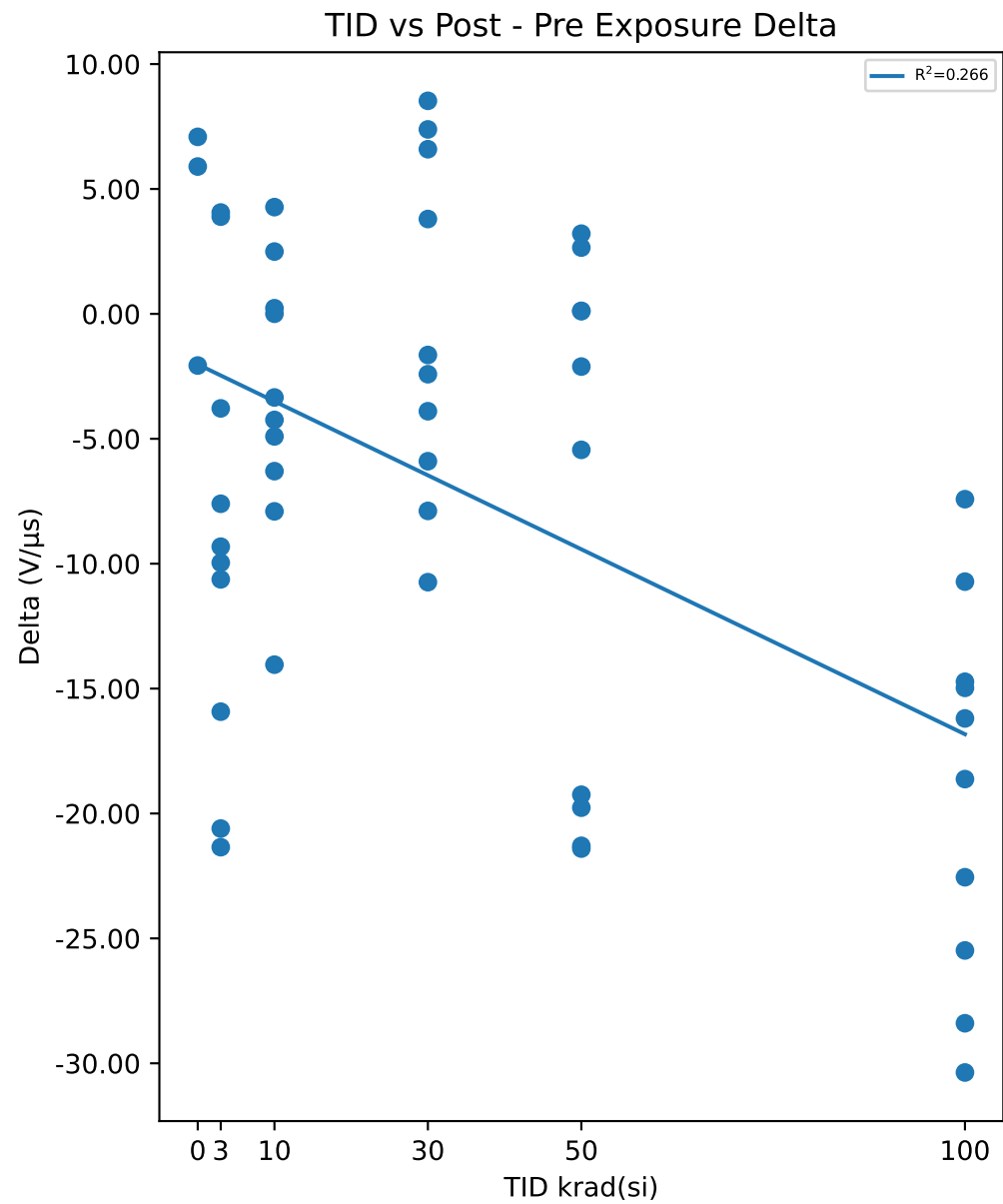
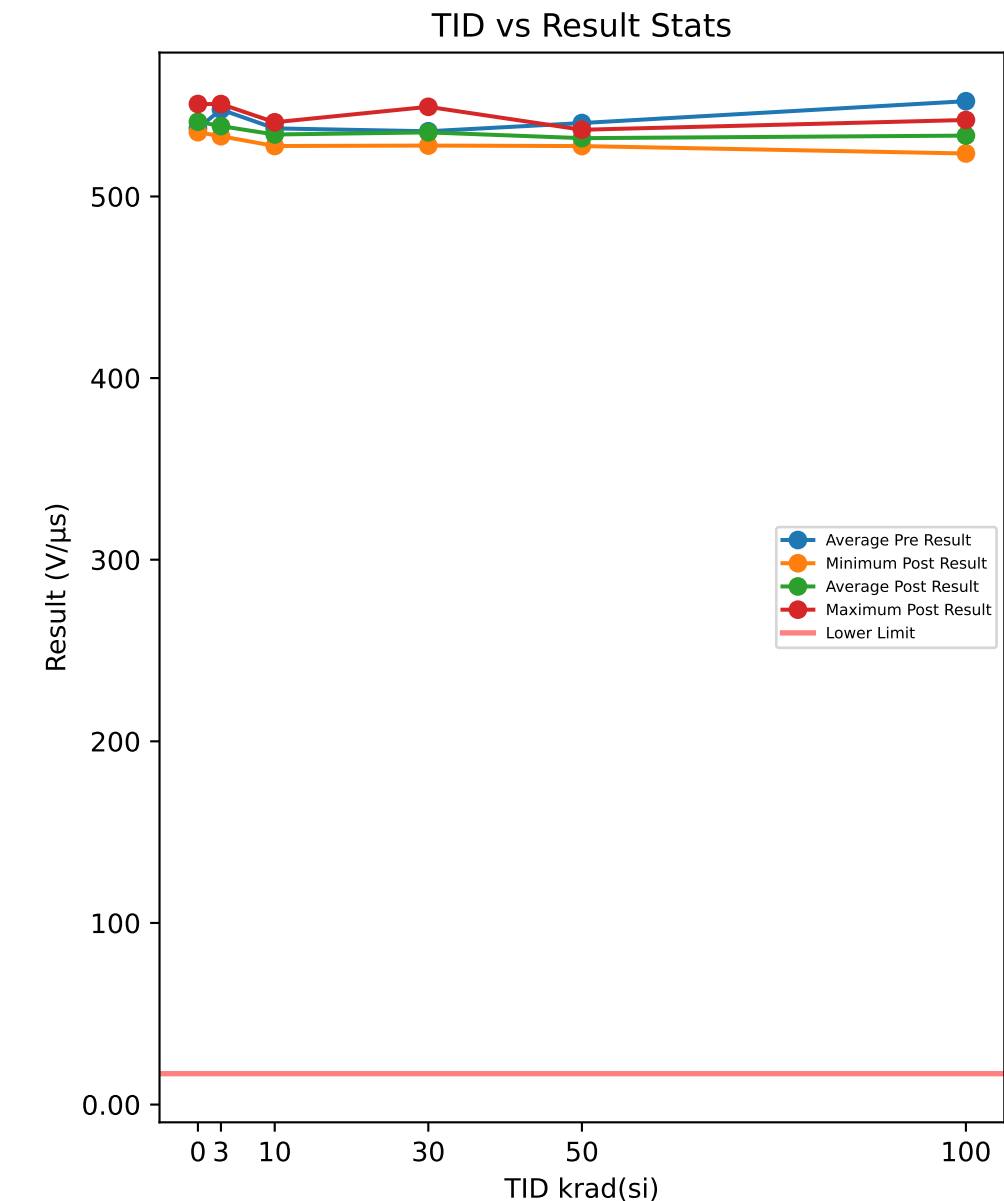


Test Results (Lower Limit = 44.0 (V/μs))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 186.68     | 185.9       | -0.788 |
| 301      | 0        | Correlation         | 185.85     | 188.13      | 2.283  |
| 302      | 0        | Correlation         | 190.23     | 189.87      | -0.368 |
| 303      | 3        | Bias                | 186.59     | 183.06      | -3.529 |
| 304      | 3        | Bias                | 185.67     | 181.95      | -3.721 |
| 305      | 3        | Bias                | 190.46     | 189.66      | -0.8   |
| 306      | 3        | Bias                | 188.66     | 184.9       | -3.766 |
| 307      | 3        | Bias                | 183.63     | 179.98      | -3.651 |
| 308      | 3        | Unbiased            | 184.56     | 182.12      | -2.439 |
| 309      | 3        | Unbiased            | 184.84     | 185.09      | 0.249  |
| 310      | 3        | Unbiased            | 184.3      | 183.83      | -0.469 |
| 311      | 3        | Unbiased            | 186.44     | 189.2       | 2.756  |
| 312      | 3        | Unbiased            | 185.94     | 185.39      | -0.545 |
| 313      | 10       | Bias                | 185.58     | 186.34      | 0.761  |
| 314      | 10       | Bias                | 185.94     | 186.97      | 1.04   |
| 315      | 10       | Bias                | 193.75     | 196.46      | 2.706  |
| 316      | 10       | Bias                | 188.4      | 188.54      | 0.139  |
| 317      | 10       | Bias                | 187.56     | 187.33      | -0.231 |
| 318      | 10       | Unbiased            | 189.98     | 191.01      | 1.028  |
| 319      | 10       | Unbiased            | 179.57     | 182.14      | 2.577  |
| 320      | 10       | Unbiased            | 185.75     | 195.99      | 10.241 |
| 321      | 10       | Unbiased            | 193.8      | 188.21      | -5.585 |
| 322      | 10       | Unbiased            | 181.43     | 182         | 0.563  |
| 323      | 30       | Bias                | 178.51     | 181.89      | 3.379  |
| 324      | 30       | Bias                | 183.82     | 187.63      | 3.809  |
| 325      | 30       | Bias                | 189.95     | 192.87      | 2.922  |
| 326      | 30       | Bias                | 189.62     | 194.35      | 4.731  |
| 327      | 30       | Bias                | 188.51     | 192.63      | 4.123  |
| 328      | 30       | Unbiased            | 190.22     | 192.83      | 2.609  |
| 329      | 30       | Unbiased            | 182.89     | 186.31      | 3.421  |
| 330      | 30       | Unbiased            | 192.76     | 196.51      | 3.75   |
| 331      | 30       | Unbiased            | 185.69     | 189.67      | 3.979  |
| 332      | 30       | Unbiased            | 187.03     | 191.3       | 4.27   |
| 333      | 50       | Bias                | 196.11     | 203.15      | 7.04   |
| 334      | 50       | Bias                | 189.33     | 196.56      | 7.231  |
| 335      | 50       | Bias                | 184.63     | 191.06      | 6.43   |
| 336      | 50       | Bias                | 184.72     | 189.21      | 4.49   |
| 337      | 50       | Bias                | 188.64     | 195.82      | 7.176  |
| 338      | 50       | Unbiased            | 182.14     | 186.94      | 4.802  |
| 339      | 50       | Unbiased            | 193.08     | 196.25      | 3.171  |
| 340      | 50       | Unbiased            | 183.49     | 184.03      | 0.54   |
| 341      | 50       | Unbiased            | 184.58     | 189.31      | 4.737  |
| 342      | 50       | Unbiased            | 188.28     | 192.75      | 4.472  |
| 343      | 100      | Bias                | 199.7      | 208.85      | 9.151  |
| 344      | 100      | Bias                | 193.67     | 201.14      | 7.469  |
| 345      | 100      | Bias                | 186.09     | 195.22      | 9.137  |
| 346      | 100      | Bias                | 187.49     | 194.27      | 6.78   |
| 347      | 100      | Bias                | 202.49     | 211.44      | 8.95   |
| 348      | 100      | Unbiased            | 188.62     | 197.41      | 8.791  |
| 349      | 100      | Unbiased            | 185.66     | 192.85      | 7.189  |
| 350      | 100      | Unbiased            | 185.19     | 194.23      | 9.043  |
| 351      | 100      | Unbiased            | 182.49     | 191.36      | 8.866  |
| 352      | 100      | Unbiased            | 194.99     | 206.93      | 11.94  |

Test Statistics (V/μs)

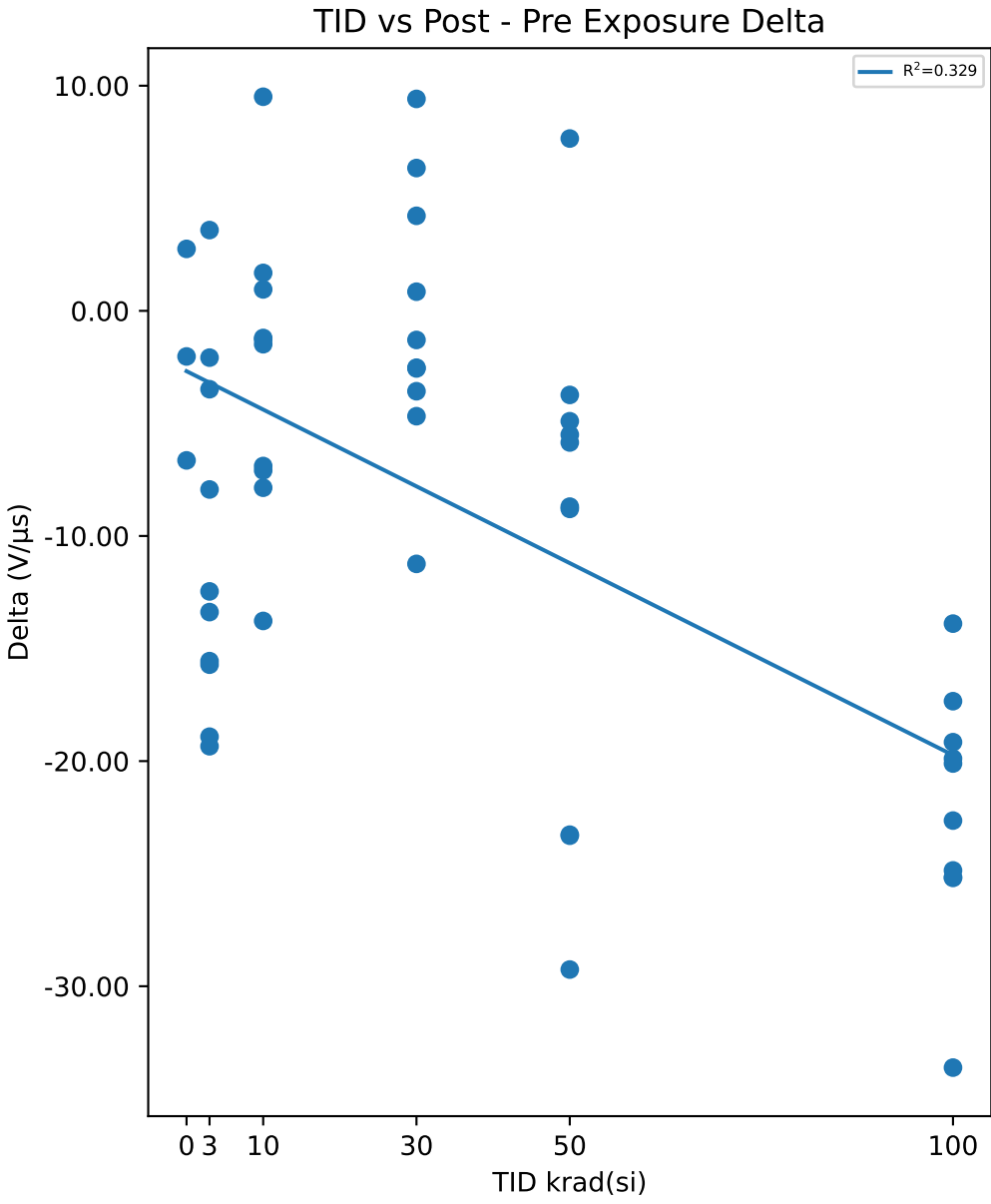
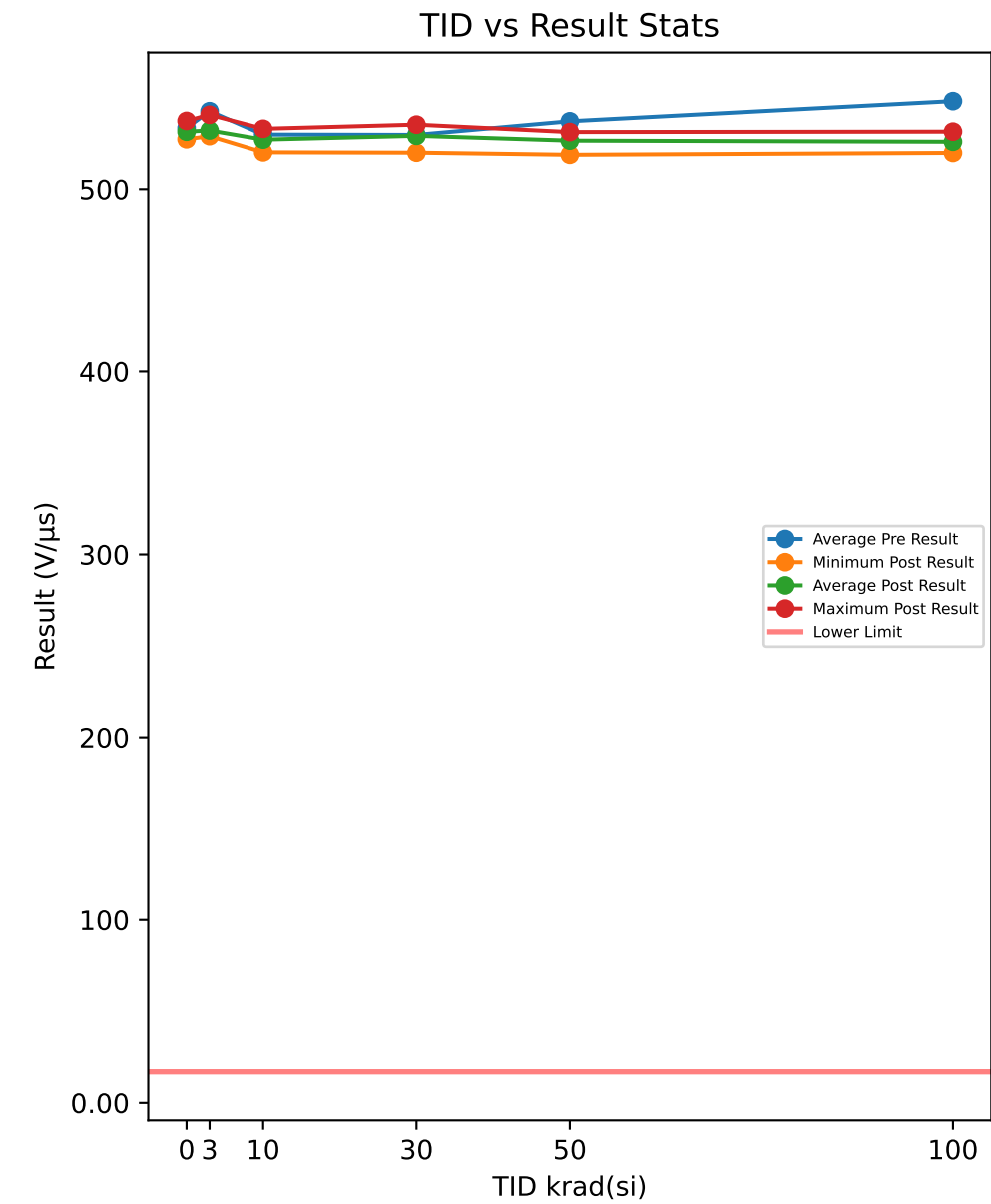
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 185.85           | 187.59           | 190.23           | 2.3273           | 185.9             | 187.97            | 189.87            | 1.9904            | -0.788    | 0.37567   | 2.283     | 1.6651    |
| 3        | 183.63           | 186.11           | 190.46           | 2.0944           | 179.98            | 184.52            | 189.66            | 3.0752            | -3.766    | -1.5915   | 2.756     | 2.1921    |
| 10       | 179.57           | 187.18           | 193.8            | 4.6384           | 182               | 188.5             | 196.46            | 4.9087            | -5.585    | 1.3239    | 10.241    | 3.8818    |
| 30       | 178.51           | 186.9            | 192.76           | 4.2449           | 181.89            | 190.6             | 196.51            | 4.3179            | 2.609     | 3.6993    | 4.731     | 0.63556   |
| 50       | 182.14           | 187.5            | 196.11           | 4.4698           | 184.03            | 192.51            | 203.15            | 5.5851            | 0.54      | 5.0089    | 7.231     | 2.103     |
| 100      | 182.49           | 190.64           | 202.49           | 6.7184           | 191.36            | 199.37            | 211.44            | 7.2724            | 6.78      | 8.7316    | 11.94     | 1.4369    |



| Test Results (Lower Limit = 17.0 (V/μs)) |          |                     |            |             |         |
|------------------------------------------|----------|---------------------|------------|-------------|---------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta   |
| 300                                      | 0        | Correlation         | 537.47     | 535.4       | -2.067  |
| 301                                      | 0        | Correlation         | 545.01     | 550.91      | 5.899   |
| 302                                      | 0        | Correlation         | 529.98     | 537.06      | 7.087   |
| 303                                      | 3        | Bias                | 549.51     | 539.55      | -9.962  |
| 304                                      | 3        | Bias                | 555.51     | 534.16      | -21.348 |
| 305                                      | 3        | Bias                | 549.9      | 533.98      | -15.924 |
| 306                                      | 3        | Bias                | 555.7      | 535.1       | -20.603 |
| 307                                      | 3        | Bias                | 549.55     | 540.23      | -9.319  |
| 308                                      | 3        | Unbiased            | 543.8      | 533.17      | -10.627 |
| 309                                      | 3        | Unbiased            | 538.65     | 542.54      | 3.892   |
| 310                                      | 3        | Unbiased            | 539.65     | 535.87      | -3.783  |
| 311                                      | 3        | Unbiased            | 549.41     | 541.81      | -7.601  |
| 312                                      | 3        | Unbiased            | 546.82     | 550.88      | 4.058   |
| 313                                      | 10       | Bias                | 537.65     | 532.74      | -4.905  |
| 314                                      | 10       | Bias                | 540.85     | 540.85      | 0.005   |
| 315                                      | 10       | Bias                | 535.69     | 527.78      | -7.905  |
| 316                                      | 10       | Bias                | 538.16     | 540.66      | 2.495   |
| 317                                      | 10       | Bias                | 530.07     | 530.3       | 0.227   |
| 318                                      | 10       | Unbiased            | 537.12     | 533.77      | -3.346  |
| 319                                      | 10       | Unbiased            | 541.62     | 535.33      | -6.296  |
| 320                                      | 10       | Unbiased            | 541.91     | 527.87      | -14.042 |
| 321                                      | 10       | Unbiased            | 536.55     | 532.3       | -4.245  |
| 322                                      | 10       | Unbiased            | 535.25     | 539.53      | 4.274   |
| 323                                      | 30       | Bias                | 529.72     | 536.31      | 6.592   |
| 324                                      | 30       | Bias                | 532.66     | 540.04      | 7.385   |
| 325                                      | 30       | Bias                | 532.45     | 528.55      | -3.897  |
| 326                                      | 30       | Bias                | 545.56     | 549.36      | 3.798   |
| 327                                      | 30       | Bias                | 536.96     | 535.31      | -1.645  |
| 328                                      | 30       | Unbiased            | 536.72     | 530.82      | -5.898  |
| 329                                      | 30       | Unbiased            | 536.35     | 533.93      | -2.415  |
| 330                                      | 30       | Unbiased            | 543.08     | 532.34      | -10.74  |
| 331                                      | 30       | Unbiased            | 529.56     | 538.09      | 8.529   |
| 332                                      | 30       | Unbiased            | 535.91     | 528.02      | -7.887  |
| 333                                      | 50       | Bias                | 536.61     | 536.73      | 0.121   |
| 334                                      | 50       | Bias                | 531.23     | 534.44      | 3.211   |
| 335                                      | 50       | Bias                | 531.76     | 531.88      | 0.111   |
| 336                                      | 50       | Bias                | 538.46     | 536.35      | -2.109  |
| 337                                      | 50       | Bias                | 525.1      | 527.75      | 2.654   |
| 338                                      | 50       | Unbiased            | 536.8      | 531.36      | -5.443  |
| 339                                      | 50       | Unbiased            | 550.21     | 528.92      | -21.294 |
| 340                                      | 50       | Unbiased            | 548.4      | 528.63      | -19.767 |
| 341                                      | 50       | Unbiased            | 552.66     | 531.26      | -21.404 |
| 342                                      | 50       | Unbiased            | 552.96     | 533.71      | -19.249 |
| 343                                      | 100      | Bias                | 549.52     | 542.1       | -7.418  |
| 344                                      | 100      | Bias                | 547.74     | 532.77      | -14.971 |
| 345                                      | 100      | Bias                | 557.46     | 541.27      | -16.195 |
| 346                                      | 100      | Bias                | 545.96     | 535.24      | -10.718 |
| 347                                      | 100      | Bias                | 557.54     | 527.17      | -30.368 |
| 348                                      | 100      | Unbiased            | 550.51     | 531.89      | -18.623 |
| 349                                      | 100      | Unbiased            | 549.08     | 534.35      | -14.726 |
| 350                                      | 100      | Unbiased            | 562.01     | 533.62      | -28.397 |
| 351                                      | 100      | Unbiased            | 549.14     | 523.66      | -25.482 |
| 352                                      | 100      | Unbiased            | 555.53     | 532.98      | -22.552 |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 529.98           | 537.48           | 545.01           | 7.5155           | 535.4             | 541.12            | 550.91            | 8.512             | -2.067    | 3.6397    | 7.087     | 4.9777    |
| 3        | 538.65           | 547.85           | 555.7            | 5.7928           | 533.17            | 538.73            | 550.88            | 5.4786            | -21.348   | -9.1217   | 4.058     | 8.8472    |
| 10       | 530.07           | 537.49           | 541.91           | 3.5379           | 527.78            | 534.11            | 540.85            | 4.9207            | -14.042   | -3.3738   | 4.274     | 5.4088    |
| 30       | 529.56           | 535.9            | 545.56           | 5.2451           | 528.02            | 535.28            | 549.36            | 6.3089            | -10.74    | -0.6178   | 8.529     | 6.8102    |
| 50       | 525.1            | 540.42           | 552.96           | 9.9569           | 527.75            | 532.1             | 536.73            | 3.1613            | -21.404   | -8.3169   | 3.211     | 10.711    |
| 100      | 545.96           | 552.45           | 562.01           | 5.2809           | 523.66            | 533.5             | 542.1             | 5.562             | -30.368   | -18.945   | -7.418    | 7.582     |

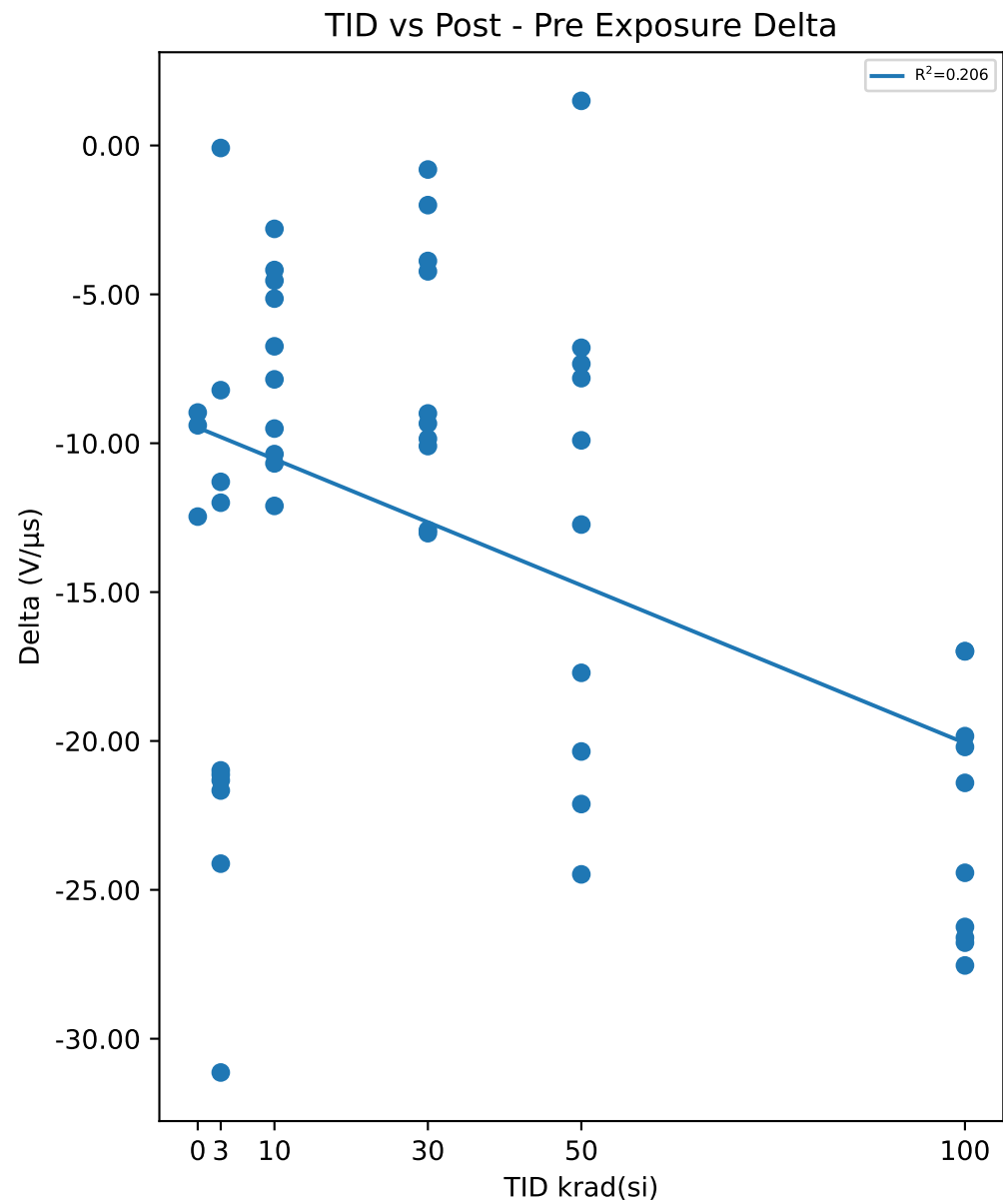
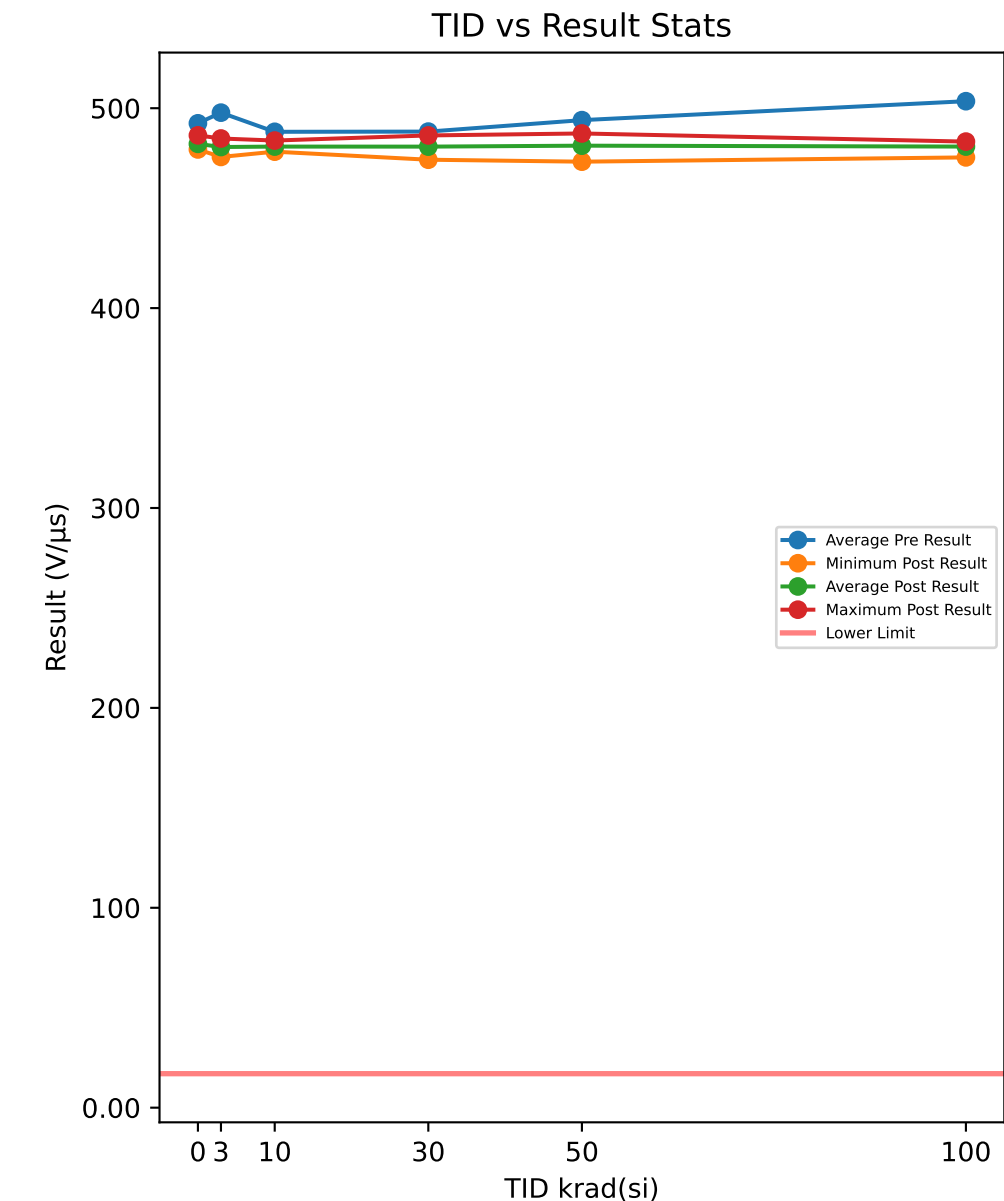


| Test Results (Lower Limit = 17.0 (V/μs)) |          |                     |            |             |         |
|------------------------------------------|----------|---------------------|------------|-------------|---------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta   |
| 300                                      | 0        | Correlation         | 529.35     | 527.32      | -2.026  |
| 301                                      | 0        | Correlation         | 543.98     | 537.34      | -6.643  |
| 302                                      | 0        | Correlation         | 526.94     | 529.69      | 2.752   |
| 303                                      | 3        | Bias                | 545.43     | 532.97      | -12.462 |
| 304                                      | 3        | Bias                | 543.63     | 530.25      | -13.381 |
| 305                                      | 3        | Bias                | 551.82     | 532.48      | -19.34  |
| 306                                      | 3        | Bias                | 547.94     | 529.02      | -18.915 |
| 307                                      | 3        | Bias                | 547.59     | 532.03      | -15.559 |
| 308                                      | 3        | Unbiased            | 545.78     | 530.07      | -15.717 |
| 309                                      | 3        | Unbiased            | 537.1      | 529.17      | -7.935  |
| 310                                      | 3        | Unbiased            | 531.88     | 529.8       | -2.078  |
| 311                                      | 3        | Unbiased            | 538.21     | 534.73      | -3.482  |
| 312                                      | 3        | Unbiased            | 537.09     | 540.67      | 3.588   |
| 313                                      | 10       | Bias                | 530.94     | 532.62      | 1.685   |
| 314                                      | 10       | Bias                | 534.01     | 532.53      | -1.483  |
| 315                                      | 10       | Bias                | 527.86     | 520.97      | -6.893  |
| 316                                      | 10       | Bias                | 523.52     | 533.03      | 9.51    |
| 317                                      | 10       | Bias                | 533.95     | 520.17      | -13.774 |
| 318                                      | 10       | Unbiased            | 532.02     | 532.97      | 0.952   |
| 319                                      | 10       | Unbiased            | 521.46     | 520.19      | -1.269  |
| 320                                      | 10       | Unbiased            | 534.49     | 526.63      | -7.858  |
| 321                                      | 10       | Unbiased            | 532.37     | 525.28      | -7.09   |
| 322                                      | 10       | Unbiased            | 527.98     | 526.78      | -1.205  |
| 323                                      | 30       | Bias                | 522.5      | 531.91      | 9.414   |
| 324                                      | 30       | Bias                | 533.66     | 534.51      | 0.85    |
| 325                                      | 30       | Bias                | 524.87     | 531.21      | 6.343   |
| 326                                      | 30       | Bias                | 537.86     | 535.3       | -2.559  |
| 327                                      | 30       | Bias                | 531.23     | 519.99      | -11.24  |
| 328                                      | 30       | Unbiased            | 529        | 526.48      | -2.525  |
| 329                                      | 30       | Unbiased            | 527.5      | 531.72      | 4.221   |
| 330                                      | 30       | Unbiased            | 532.06     | 527.38      | -4.68   |
| 331                                      | 30       | Unbiased            | 531.18     | 527.61      | -3.571  |
| 332                                      | 30       | Unbiased            | 527.16     | 525.87      | -1.293  |
| 333                                      | 50       | Bias                | 534.66     | 529.76      | -4.904  |
| 334                                      | 50       | Bias                | 523.6      | 531.25      | 7.654   |
| 335                                      | 50       | Bias                | 532.28     | 526.43      | -5.848  |
| 336                                      | 50       | Bias                | 535.96     | 527.16      | -8.797  |
| 337                                      | 50       | Bias                | 522.58     | 518.84      | -3.735  |
| 338                                      | 50       | Unbiased            | 532.88     | 527.38      | -5.501  |
| 339                                      | 50       | Unbiased            | 548.27     | 525         | -23.268 |
| 340                                      | 50       | Unbiased            | 539.53     | 530.83      | -8.697  |
| 341                                      | 50       | Unbiased            | 550.64     | 521.38      | -29.259 |
| 342                                      | 50       | Unbiased            | 550.95     | 527.63      | -23.314 |
| 343                                      | 100      | Bias                | 549.9      | 525.05      | -24.856 |
| 344                                      | 100      | Bias                | 548.38     | 528.49      | -19.889 |
| 345                                      | 100      | Bias                | 551.57     | 531.47      | -20.107 |
| 346                                      | 100      | Bias                | 539.01     | 519.85      | -19.159 |
| 347                                      | 100      | Bias                | 543.62     | 526.28      | -17.339 |
| 348                                      | 100      | Unbiased            | 559.09     | 525.48      | -33.615 |
| 349                                      | 100      | Unbiased            | 550.15     | 524.99      | -25.161 |
| 350                                      | 100      | Unbiased            | 539.44     | 525.54      | -13.893 |
| 351                                      | 100      | Unbiased            | 544.41     | 521.77      | -22.642 |
| 352                                      | 100      | Unbiased            | 555.76     | 530.57      | -25.187 |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 526.94           | 533.42           | 543.98           | 9.2245           | 527.32            | 531.45            | 537.34            | 5.2363            | -6.643    | -1.9723   | 2.752     | 4.6977    |
| 3        | 531.88           | 542.65           | 551.82           | 6.2589           | 529.02            | 532.12            | 540.67            | 3.531             | -19.34    | -10.528   | 3.588     | 7.7398    |
| 10       | 521.46           | 529.86           | 534.49           | 4.5432           | 520.17            | 527.12            | 533.03            | 5.4418            | -13.774   | -2.7425   | 9.51      | 6.4419    |
| 30       | 522.5            | 529.7            | 537.86           | 4.4636           | 519.99            | 529.2             | 535.3             | 4.6233            | -11.24    | -0.504    | 9.414     | 5.967     |
| 50       | 522.58           | 537.13           | 550.95           | 10.259           | 518.84            | 526.57            | 531.25            | 3.9653            | -29.259   | -10.567   | 7.654     | 11.247    |
| 100      | 539.01           | 548.13           | 559.09           | 6.5862           | 519.85            | 525.95            | 531.47            | 3.5767            | -33.615   | -22.185   | -13.893   | 5.4451    |

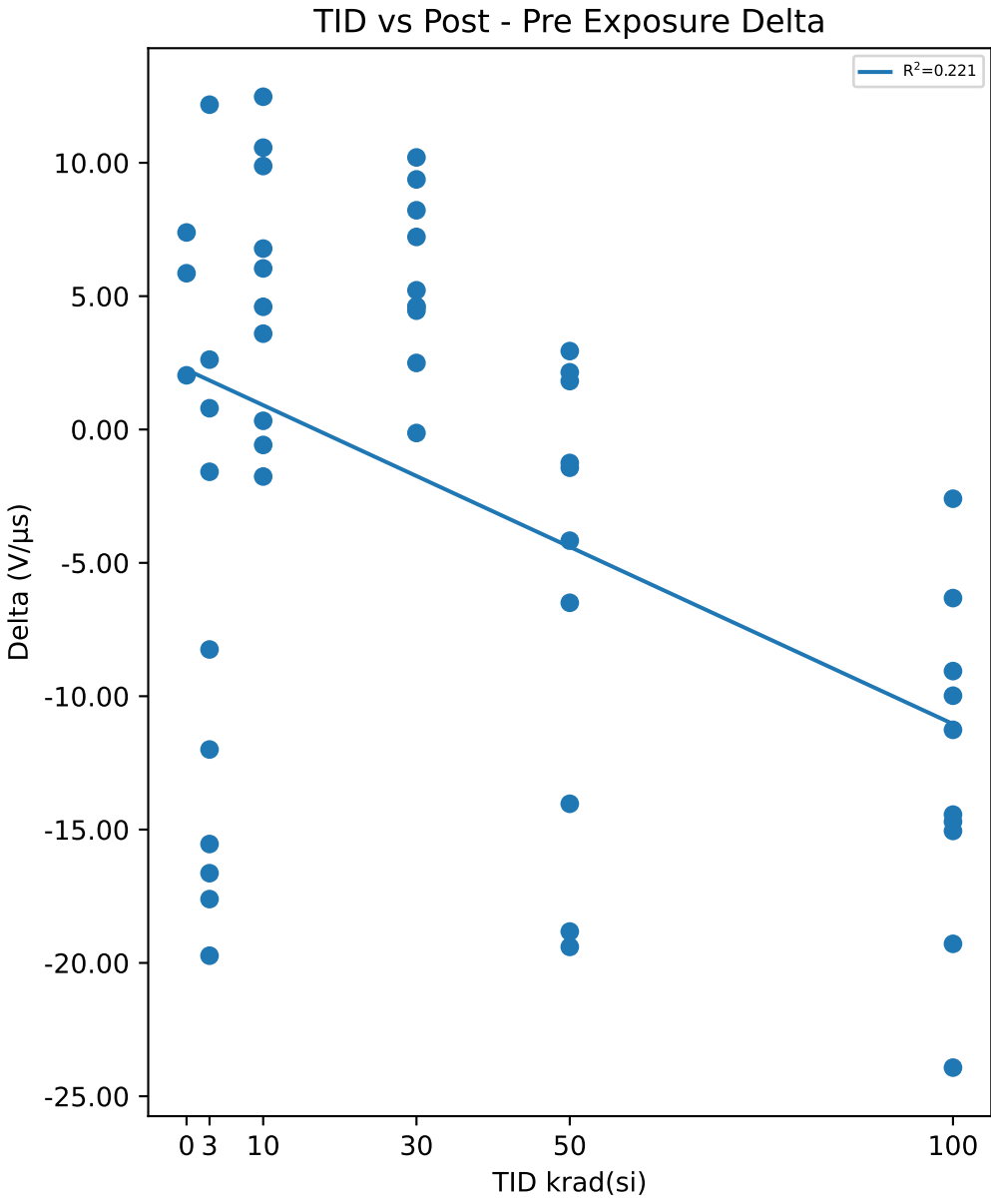
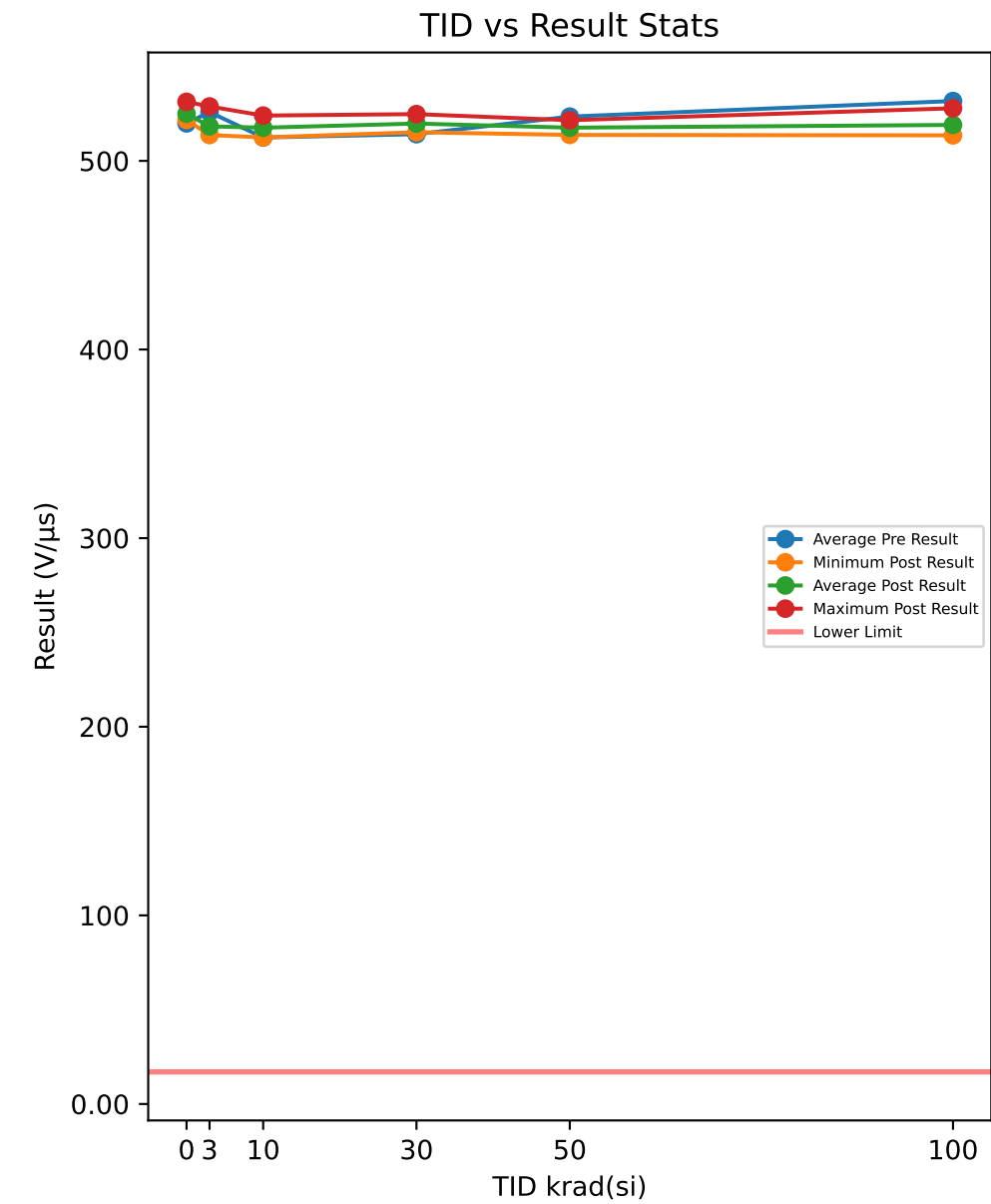
Device Test: 19.38 ; RESET\_SLEW\_RATE\_RISE



| Test Results (Lower Limit = 17.0 (V/μs)) |          |                     |            |             |         |
|------------------------------------------|----------|---------------------|------------|-------------|---------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta   |
| 300                                      | 0        | Correlation         | 488.34     | 479.37      | -8.968  |
| 301                                      | 0        | Correlation         | 498.89     | 486.42      | -12.464 |
| 302                                      | 0        | Correlation         | 490.11     | 480.72      | -9.398  |
| 303                                      | 3        | Bias                | 499.74     | 475.62      | -24.12  |
| 304                                      | 3        | Bias                | 502.23     | 480.9       | -21.322 |
| 305                                      | 3        | Bias                | 508.81     | 477.68      | -31.134 |
| 306                                      | 3        | Bias                | 501.06     | 479.93      | -21.129 |
| 307                                      | 3        | Bias                | 502.56     | 481.57      | -20.988 |
| 308                                      | 3        | Unbiased            | 504.63     | 482.96      | -21.664 |
| 309                                      | 3        | Unbiased            | 484.93     | 484.85      | -0.084  |
| 310                                      | 3        | Unbiased            | 484.77     | 476.56      | -8.218  |
| 311                                      | 3        | Unbiased            | 494.98     | 483.69      | -11.297 |
| 312                                      | 3        | Unbiased            | 494.1      | 482.1       | -11.997 |
| 313                                      | 10       | Bias                | 484.85     | 482.05      | -2.8    |
| 314                                      | 10       | Bias                | 490.47     | 480.11      | -10.364 |
| 315                                      | 10       | Bias                | 486.41     | 479.67      | -6.745  |
| 316                                      | 10       | Bias                | 490.36     | 478.26      | -12.105 |
| 317                                      | 10       | Bias                | 483.46     | 479.28      | -4.182  |
| 318                                      | 10       | Unbiased            | 492.31     | 481.63      | -10.678 |
| 319                                      | 10       | Unbiased            | 487.75     | 479.9       | -7.855  |
| 320                                      | 10       | Unbiased            | 486.39     | 481.85      | -4.539  |
| 321                                      | 10       | Unbiased            | 488.97     | 483.83      | -5.143  |
| 322                                      | 10       | Unbiased            | 490.98     | 481.47      | -9.508  |
| 323                                      | 30       | Bias                | 488.38     | 475.46      | -12.918 |
| 324                                      | 30       | Bias                | 487.24     | 483.01      | -4.227  |
| 325                                      | 30       | Bias                | 480.84     | 480.04      | -0.807  |
| 326                                      | 30       | Bias                | 492.57     | 483.57      | -8.999  |
| 327                                      | 30       | Bias                | 487.25     | 474.23      | -13.021 |
| 328                                      | 30       | Unbiased            | 491.38     | 482.04      | -9.338  |
| 329                                      | 30       | Unbiased            | 491.6      | 481.75      | -9.851  |
| 330                                      | 30       | Unbiased            | 490.25     | 486.38      | -3.878  |
| 331                                      | 30       | Unbiased            | 487.71     | 485.7       | -2.003  |
| 332                                      | 30       | Unbiased            | 485.77     | 475.68      | -10.096 |
| 333                                      | 50       | Bias                | 492.73     | 482.83      | -9.903  |
| 334                                      | 50       | Bias                | 482.84     | 484.34      | 1.5     |
| 335                                      | 50       | Bias                | 485.25     | 478.45      | -6.794  |
| 336                                      | 50       | Bias                | 486.2      | 478.38      | -7.815  |
| 337                                      | 50       | Bias                | 485.98     | 473.25      | -12.731 |
| 338                                      | 50       | Unbiased            | 494.7      | 487.37      | -7.335  |
| 339                                      | 50       | Unbiased            | 510.09     | 485.61      | -24.48  |
| 340                                      | 50       | Unbiased            | 505.56     | 483.44      | -22.118 |
| 341                                      | 50       | Unbiased            | 496.6      | 478.89      | -17.711 |
| 342                                      | 50       | Unbiased            | 500.41     | 480.06      | -20.353 |
| 343                                      | 100      | Bias                | 500.28     | 483.3       | -16.984 |
| 344                                      | 100      | Bias                | 506.98     | 480.2       | -26.774 |
| 345                                      | 100      | Bias                | 509.38     | 482.78      | -26.605 |
| 346                                      | 100      | Bias                | 502.42     | 477.99      | -24.427 |
| 347                                      | 100      | Bias                | 504.59     | 483.19      | -21.407 |
| 348                                      | 100      | Unbiased            | 498.41     | 481.42      | -16.99  |
| 349                                      | 100      | Unbiased            | 506.71     | 480.47      | -26.245 |
| 350                                      | 100      | Unbiased            | 503.5      | 483.3       | -20.201 |
| 351                                      | 100      | Unbiased            | 502.93     | 475.39      | -27.539 |
| 352                                      | 100      | Unbiased            | 499.85     | 480.01      | -19.837 |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 488.34           | 492.45           | 498.89           | 5.6475           | 479.37            | 482.17            | 486.42            | 3.7439            | -12.464   | -10.277   | -8.968    | 1.9064    |
| 3        | 484.77           | 497.78           | 508.81           | 8.0377           | 475.62            | 480.59            | 484.85            | 3.1014            | -31.134   | -17.195   | -0.084    | 9.0939    |
| 10       | 483.46           | 488.2            | 492.31           | 2.8942           | 478.26            | 480.8             | 483.83            | 1.643             | -12.105   | -7.3919   | -2.8      | 3.1892    |
| 30       | 480.84           | 488.3            | 492.57           | 3.4482           | 474.23            | 480.79            | 486.38            | 4.3292            | -13.021   | -7.5138   | -0.807    | 4.4293    |
| 50       | 482.84           | 494.04           | 510.09           | 9.2422           | 473.25            | 481.26            | 487.37            | 4.2196            | -24.48    | -12.774   | 1.5       | 8.2198    |
| 100      | 498.41           | 503.51           | 509.38           | 3.4842           | 475.39            | 480.81            | 483.3             | 2.596             | -27.539   | -22.701   | -16.984   | 4.1123    |

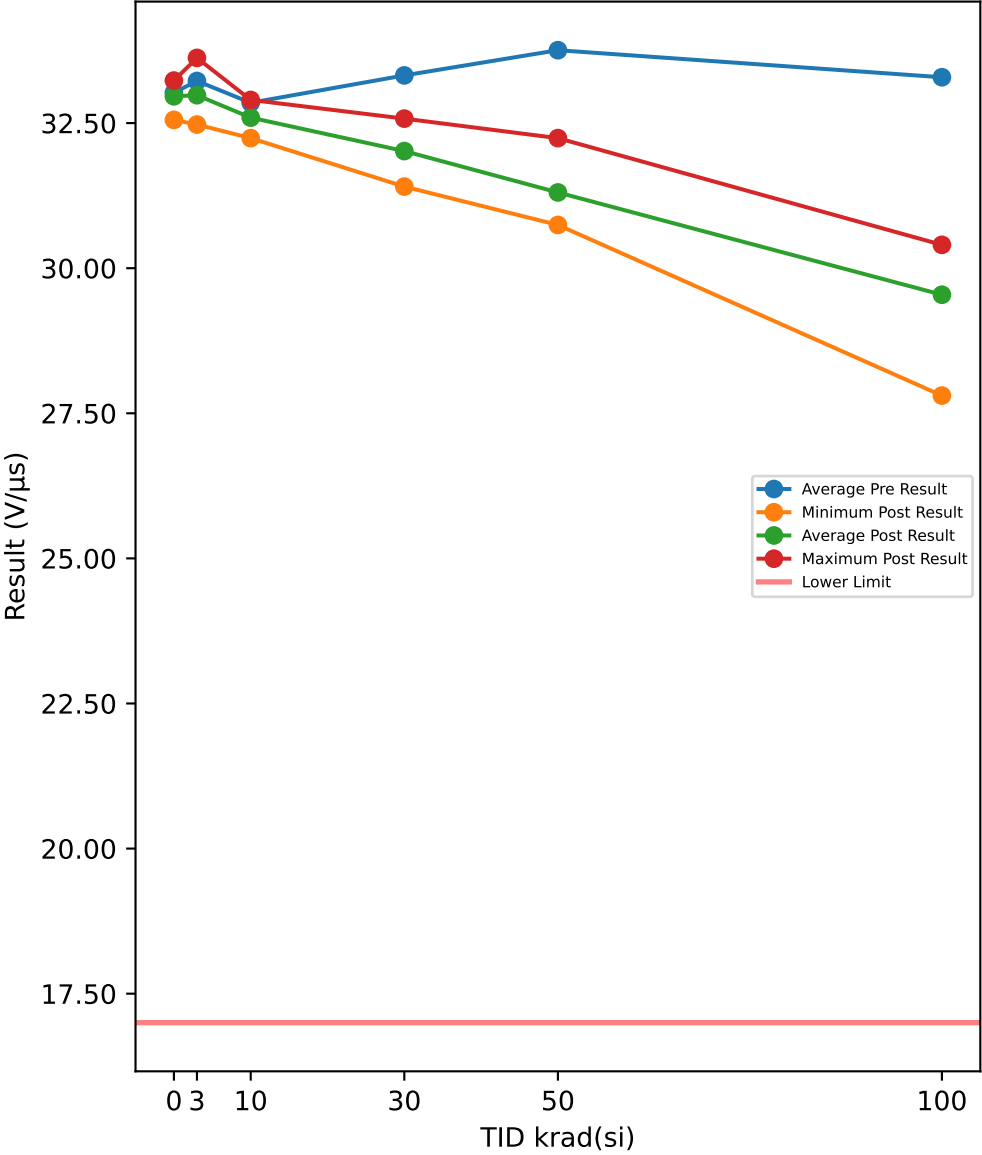


| Test Results (Lower Limit = 17.0 (V/μs)) |          |                     |            |             |         |
|------------------------------------------|----------|---------------------|------------|-------------|---------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta   |
| 300                                      | 0        | Correlation         | 514.35     | 521.74      | 7.388   |
| 301                                      | 0        | Correlation         | 529.29     | 531.32      | 2.032   |
| 302                                      | 0        | Correlation         | 516.06     | 521.92      | 5.859   |
| 303                                      | 3        | Bias                | 537.19     | 517.46      | -19.729 |
| 304                                      | 3        | Bias                | 525.82     | 517.58      | -8.248  |
| 305                                      | 3        | Bias                | 531.85     | 519.85      | -11.998 |
| 306                                      | 3        | Bias                | 533.76     | 518.21      | -15.542 |
| 307                                      | 3        | Bias                | 530.39     | 513.75      | -16.636 |
| 308                                      | 3        | Unbiased            | 531.73     | 514.13      | -17.607 |
| 309                                      | 3        | Unbiased            | 517.3      | 515.72      | -1.585  |
| 310                                      | 3        | Unbiased            | 511.1      | 513.72      | 2.62    |
| 311                                      | 3        | Unbiased            | 516.69     | 528.87      | 12.179  |
| 312                                      | 3        | Unbiased            | 522.97     | 523.76      | 0.797   |
| 313                                      | 10       | Bias                | 512.28     | 512.61      | 0.326   |
| 314                                      | 10       | Bias                | 512.92     | 517.52      | 4.601   |
| 315                                      | 10       | Bias                | 508.84     | 512.43      | 3.594   |
| 316                                      | 10       | Bias                | 517.83     | 517.25      | -0.58   |
| 317                                      | 10       | Bias                | 514.14     | 524.02      | 9.879   |
| 318                                      | 10       | Unbiased            | 516.5      | 514.74      | -1.763  |
| 319                                      | 10       | Unbiased            | 513.07     | 519.85      | 6.784   |
| 320                                      | 10       | Unbiased            | 511.71     | 517.75      | 6.04    |
| 321                                      | 10       | Unbiased            | 507.13     | 519.61      | 12.477  |
| 322                                      | 10       | Unbiased            | 509.57     | 520.14      | 10.568  |
| 323                                      | 30       | Bias                | 510.73     | 515.19      | 4.456   |
| 324                                      | 30       | Bias                | 514.6      | 524.8       | 10.201  |
| 325                                      | 30       | Bias                | 514.84     | 517.34      | 2.496   |
| 326                                      | 30       | Bias                | 516.22     | 520.83      | 4.611   |
| 327                                      | 30       | Bias                | 511.5      | 520.88      | 9.377   |
| 328                                      | 30       | Unbiased            | 513.29     | 521.51      | 8.22    |
| 329                                      | 30       | Unbiased            | 515.72     | 515.59      | -0.131  |
| 330                                      | 30       | Unbiased            | 518.78     | 524         | 5.22    |
| 331                                      | 30       | Unbiased            | 514.77     | 519.38      | 4.608   |
| 332                                      | 30       | Unbiased            | 511.19     | 518.41      | 7.221   |
| 333                                      | 50       | Bias                | 515.96     | 518.1       | 2.146   |
| 334                                      | 50       | Bias                | 516.89     | 515.46      | -1.433  |
| 335                                      | 50       | Bias                | 516.81     | 518.63      | 1.816   |
| 336                                      | 50       | Bias                | 518.62     | 521.57      | 2.941   |
| 337                                      | 50       | Bias                | 516.34     | 515.09      | -1.254  |
| 338                                      | 50       | Unbiased            | 520.99     | 516.83      | -4.168  |
| 339                                      | 50       | Unbiased            | 526.72     | 520.22      | -6.497  |
| 340                                      | 50       | Unbiased            | 533.18     | 513.78      | -19.4   |
| 341                                      | 50       | Unbiased            | 535.62     | 516.8       | -18.823 |
| 342                                      | 50       | Unbiased            | 533.7      | 519.66      | -14.033 |
| 343                                      | 100      | Bias                | 536.94     | 527.88      | -9.058  |
| 344                                      | 100      | Bias                | 537.47     | 513.54      | -23.926 |
| 345                                      | 100      | Bias                | 532.88     | 518.18      | -14.704 |
| 346                                      | 100      | Bias                | 528.55     | 517.29      | -11.261 |
| 347                                      | 100      | Bias                | 532.67     | 518.24      | -14.439 |
| 348                                      | 100      | Unbiased            | 527.1      | 520.78      | -6.321  |
| 349                                      | 100      | Unbiased            | 529.13     | 514.08      | -15.052 |
| 350                                      | 100      | Unbiased            | 531.38     | 521.4       | -9.981  |
| 351                                      | 100      | Unbiased            | 533.33     | 514.04      | -19.285 |
| 352                                      | 100      | Unbiased            | 527.88     | 525.28      | -2.595  |

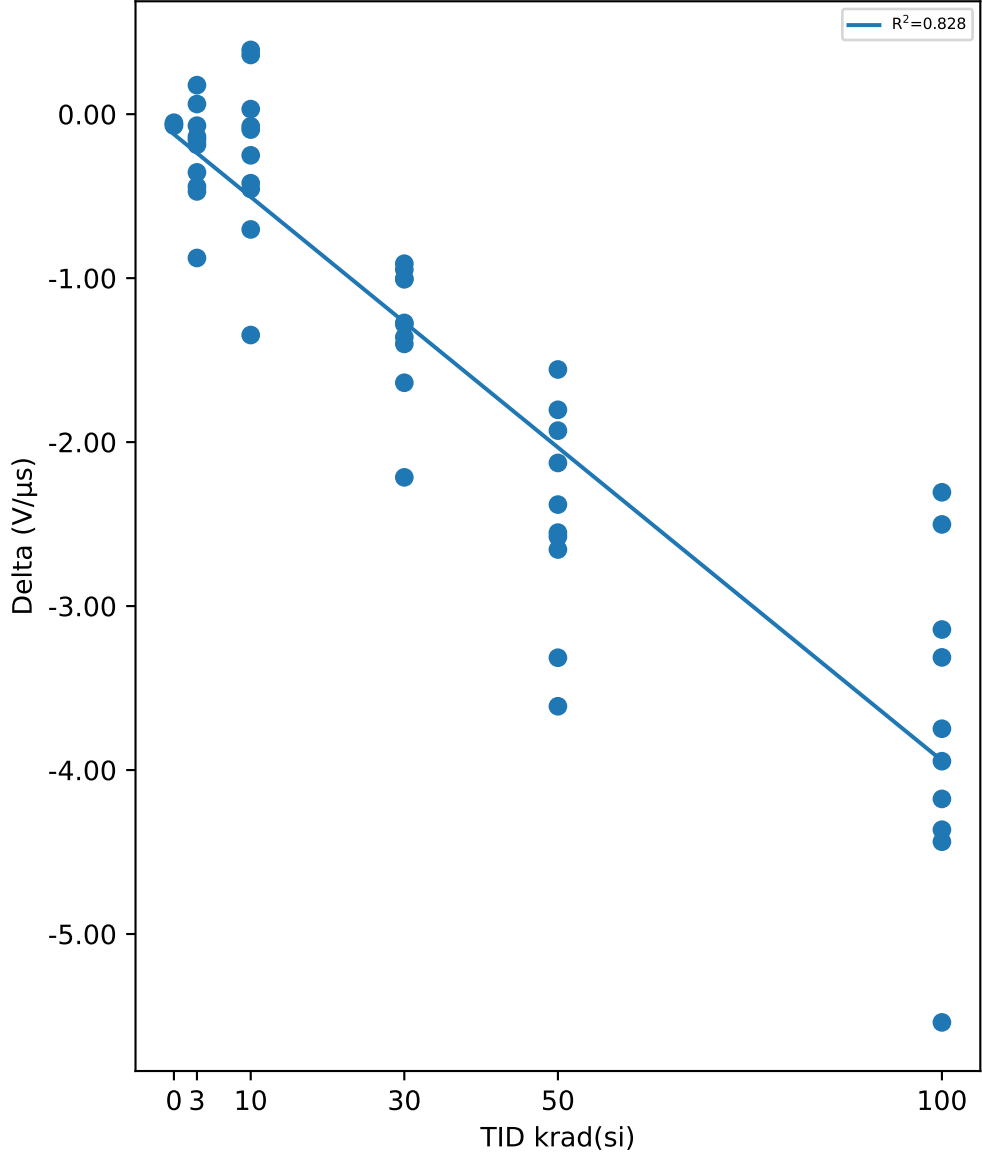
| Test Statistics (V/μs) |                  |                  |                  |                  |                   |                   |                   |                   |           |           |           |           |
|------------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| krad(si)               | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
| 0                      | 514.35           | 519.9            | 529.29           | 8.1741           | 521.74            | 524.99            | 531.32            | 5.479             | 2.032     | 5.093     | 7.388     | 2.7589    |
| 3                      | 511.1            | 525.88           | 537.19           | 8.5974           | 513.72            | 518.31            | 528.87            | 4.842             | -19.729   | -7.5749   | 12.179    | 10.615    |
| 10                     | 507.13           | 512.4            | 517.83           | 3.3168           | 512.43            | 517.59            | 524.02            | 3.602             | -1.763    | 5.1926    | 12.477    | 4.8929    |
| 30                     | 510.73           | 514.16           | 518.78           | 2.5277           | 515.19            | 519.79            | 524.8             | 3.2492            | -0.131    | 5.6279    | 10.201    | 3.1765    |
| 50                     | 515.96           | 523.48           | 535.62           | 8.0381           | 513.78            | 517.61            | 521.57            | 2.4703            | -19.4     | -5.8705   | 2.941     | 8.5811    |
| 100                    | 527.1            | 531.73           | 537.47           | 3.6224           | 513.54            | 519.07            | 527.88            | 4.8308            | -23.926   | -12.662   | -2.595    | 6.2135    |



TID vs Result Stats



TID vs Post - Pre Exposure Delta

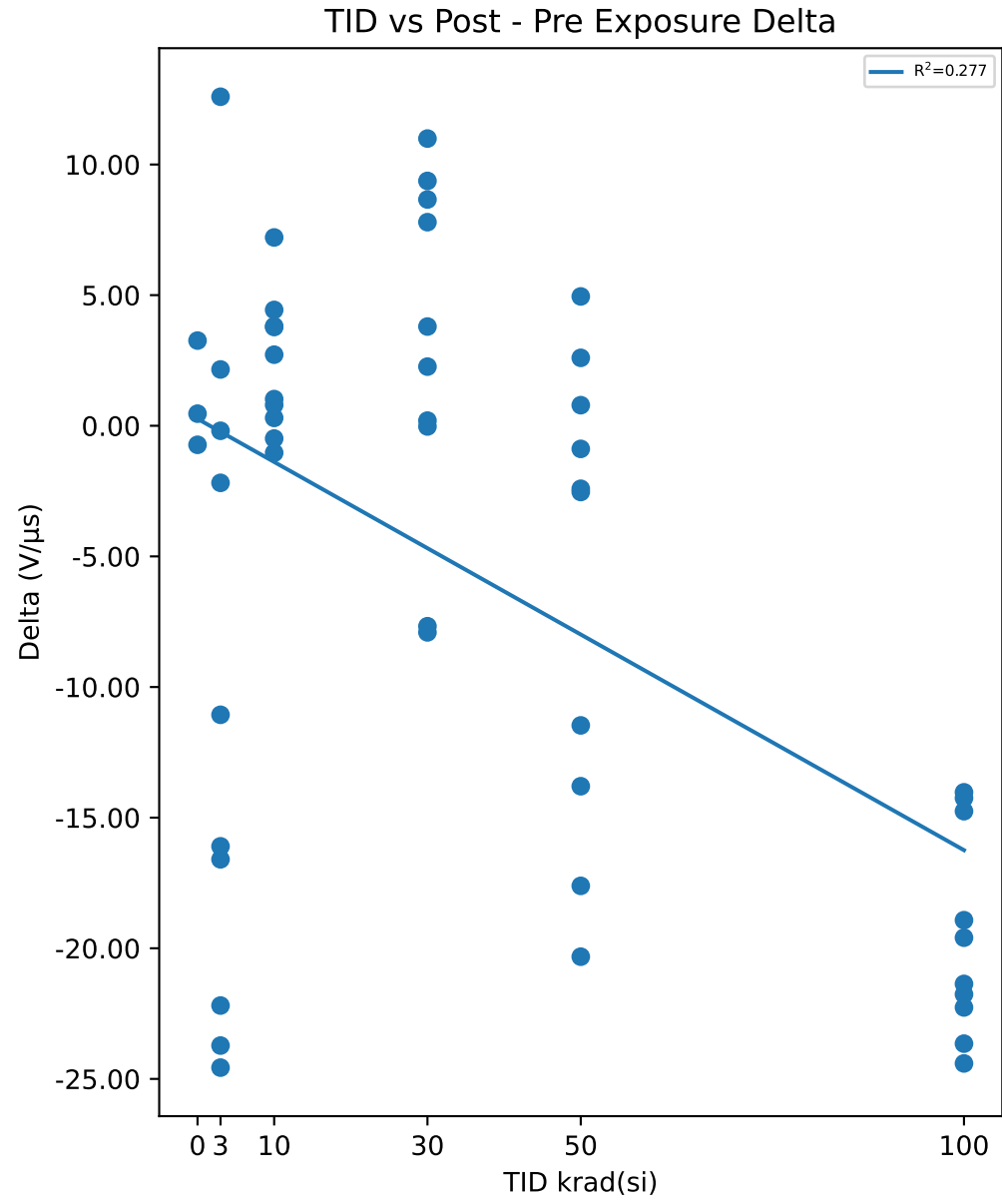
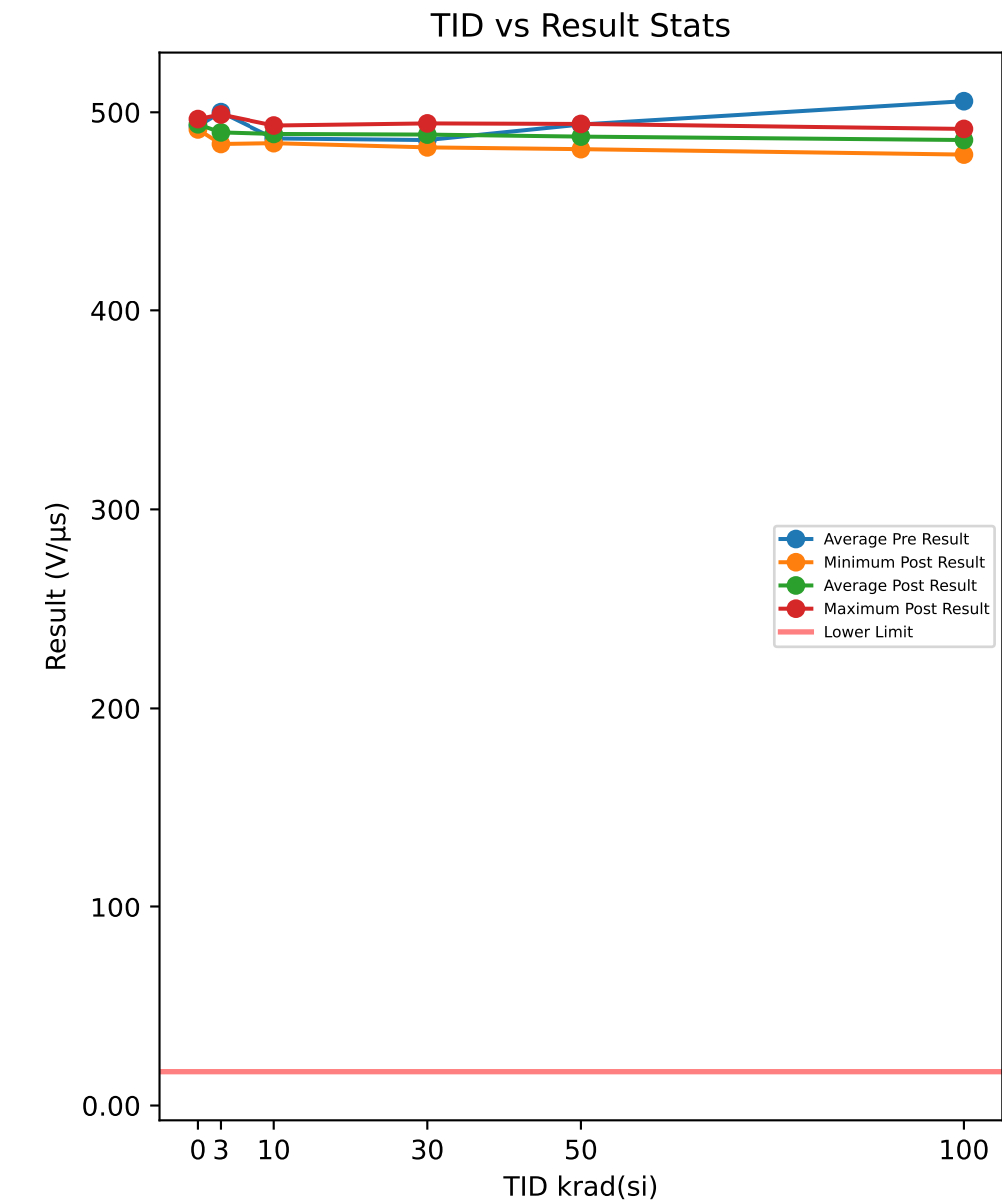


Test Results (Lower Limit = 17.0 (V/μs))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 33.16      | 33.097      | -0.063 |
| 301      | 0        | Correlation         | 33.285     | 33.233      | -0.052 |
| 302      | 0        | Correlation         | 32.625     | 32.555      | -0.07  |
| 303      | 3        | Bias                | 32.923     | 32.568      | -0.355 |
| 304      | 3        | Bias                | 33.069     | 32.913      | -0.156 |
| 305      | 3        | Bias                | 33.706     | 33.235      | -0.471 |
| 306      | 3        | Bias                | 33.035     | 33.212      | 0.177  |
| 307      | 3        | Bias                | 32.829     | 32.642      | -0.187 |
| 308      | 3        | Unbiased            | 32.955     | 32.885      | -0.07  |
| 309      | 3        | Unbiased            | 33.352     | 32.475      | -0.877 |
| 310      | 3        | Unbiased            | 32.978     | 33.04       | 0.062  |
| 311      | 3        | Unbiased            | 33.76      | 33.623      | -0.137 |
| 312      | 3        | Unbiased            | 33.651     | 33.21       | -0.441 |
| 313      | 10       | Bias                | 33.274     | 32.818      | -0.456 |
| 314      | 10       | Bias                | 33.32      | 32.899      | -0.421 |
| 315      | 10       | Bias                | 32.46      | 32.366      | -0.094 |
| 316      | 10       | Bias                | 32.962     | 32.711      | -0.251 |
| 317      | 10       | Bias                | 33.626     | 32.279      | -1.347 |
| 318      | 10       | Unbiased            | 32.792     | 32.823      | 0.031  |
| 319      | 10       | Unbiased            | 32.422     | 32.783      | 0.361  |
| 320      | 10       | Unbiased            | 32.25      | 32.642      | 0.392  |
| 321      | 10       | Unbiased            | 32.455     | 32.381      | -0.074 |
| 322      | 10       | Unbiased            | 32.944     | 32.241      | -0.703 |
| 323      | 30       | Bias                | 33.343     | 31.983      | -1.36  |
| 324      | 30       | Bias                | 33.317     | 32.036      | -1.281 |
| 325      | 30       | Bias                | 33.044     | 31.406      | -1.638 |
| 326      | 30       | Bias                | 33.061     | 32.149      | -0.912 |
| 327      | 30       | Bias                | 33.982     | 31.767      | -2.215 |
| 328      | 30       | Unbiased            | 33.559     | 32.556      | -1.003 |
| 329      | 30       | Unbiased            | 32.973     | 32.025      | -0.948 |
| 330      | 30       | Unbiased            | 33.85      | 32.577      | -1.273 |
| 331      | 30       | Unbiased            | 33.236     | 31.835      | -1.401 |
| 332      | 30       | Unbiased            | 32.851     | 31.844      | -1.007 |
| 333      | 50       | Bias                | 34.044     | 32.241      | -1.803 |
| 334      | 50       | Bias                | 33.031     | 31.101      | -1.93  |
| 335      | 50       | Bias                | 33.322     | 30.745      | -2.577 |
| 336      | 50       | Bias                | 33.346     | 31.219      | -2.127 |
| 337      | 50       | Bias                | 33.132     | 30.751      | -2.381 |
| 338      | 50       | Unbiased            | 33.436     | 31.879      | -1.557 |
| 339      | 50       | Unbiased            | 34.74      | 31.425      | -3.315 |
| 340      | 50       | Unbiased            | 34.969     | 31.358      | -3.611 |
| 341      | 50       | Unbiased            | 33.582     | 31.03       | -2.552 |
| 342      | 50       | Unbiased            | 33.957     | 31.302      | -2.655 |
| 343      | 100      | Bias                | 33.831     | 30.083      | -3.748 |
| 344      | 100      | Bias                | 32.587     | 30.281      | -2.306 |
| 345      | 100      | Bias                | 33.386     | 29.44       | -3.946 |
| 346      | 100      | Bias                | 32.242     | 27.805      | -4.437 |
| 347      | 100      | Bias                | 32.583     | 29.27       | -3.313 |
| 348      | 100      | Unbiased            | 32.925     | 29.782      | -3.143 |
| 349      | 100      | Unbiased            | 32.904     | 30.402      | -2.502 |
| 350      | 100      | Unbiased            | 35.004     | 29.465      | -5.539 |
| 351      | 100      | Unbiased            | 32.859     | 28.683      | -4.176 |
| 352      | 100      | Unbiased            | 34.579     | 30.215      | -4.364 |

Test Statistics (V/μs)

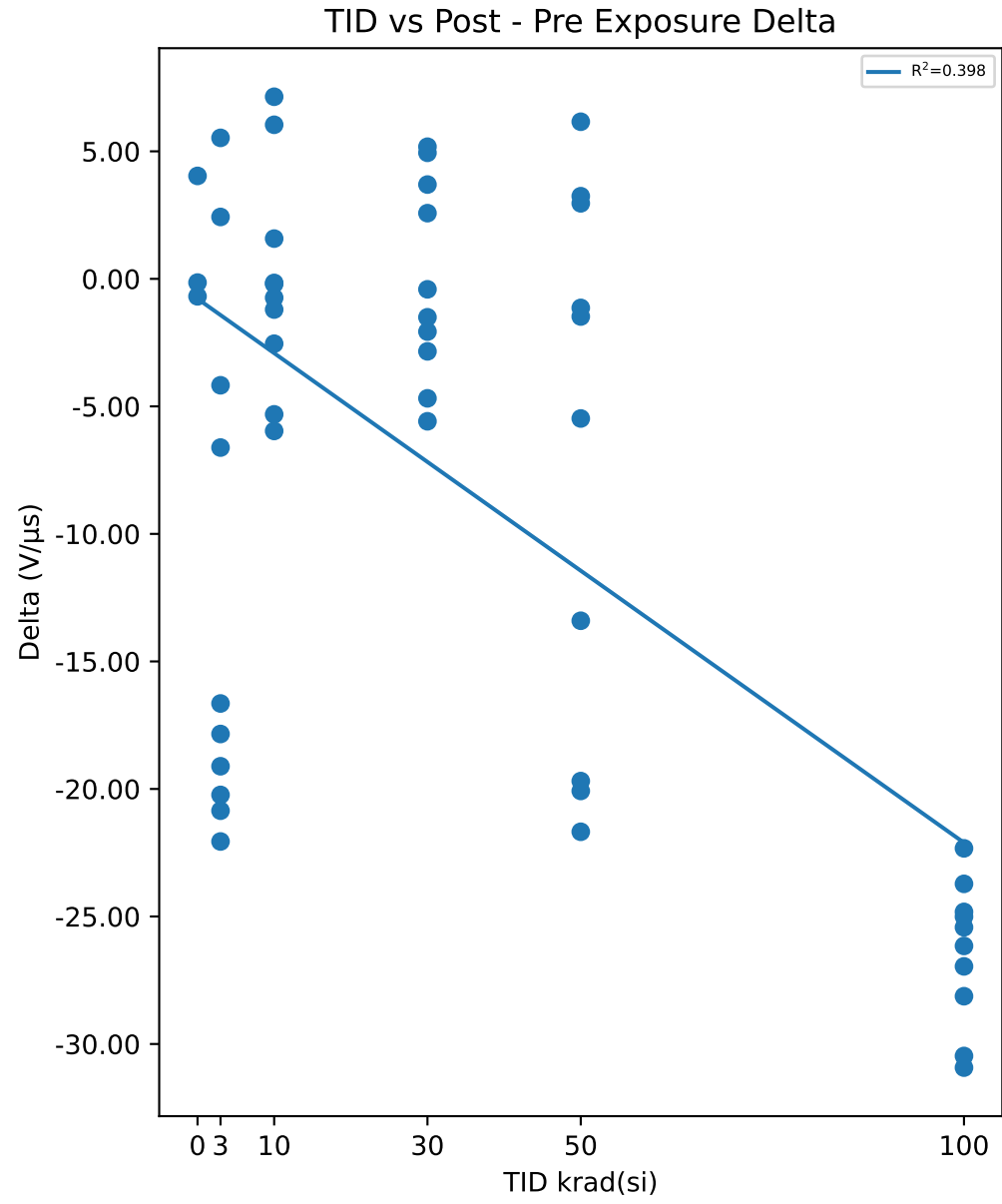
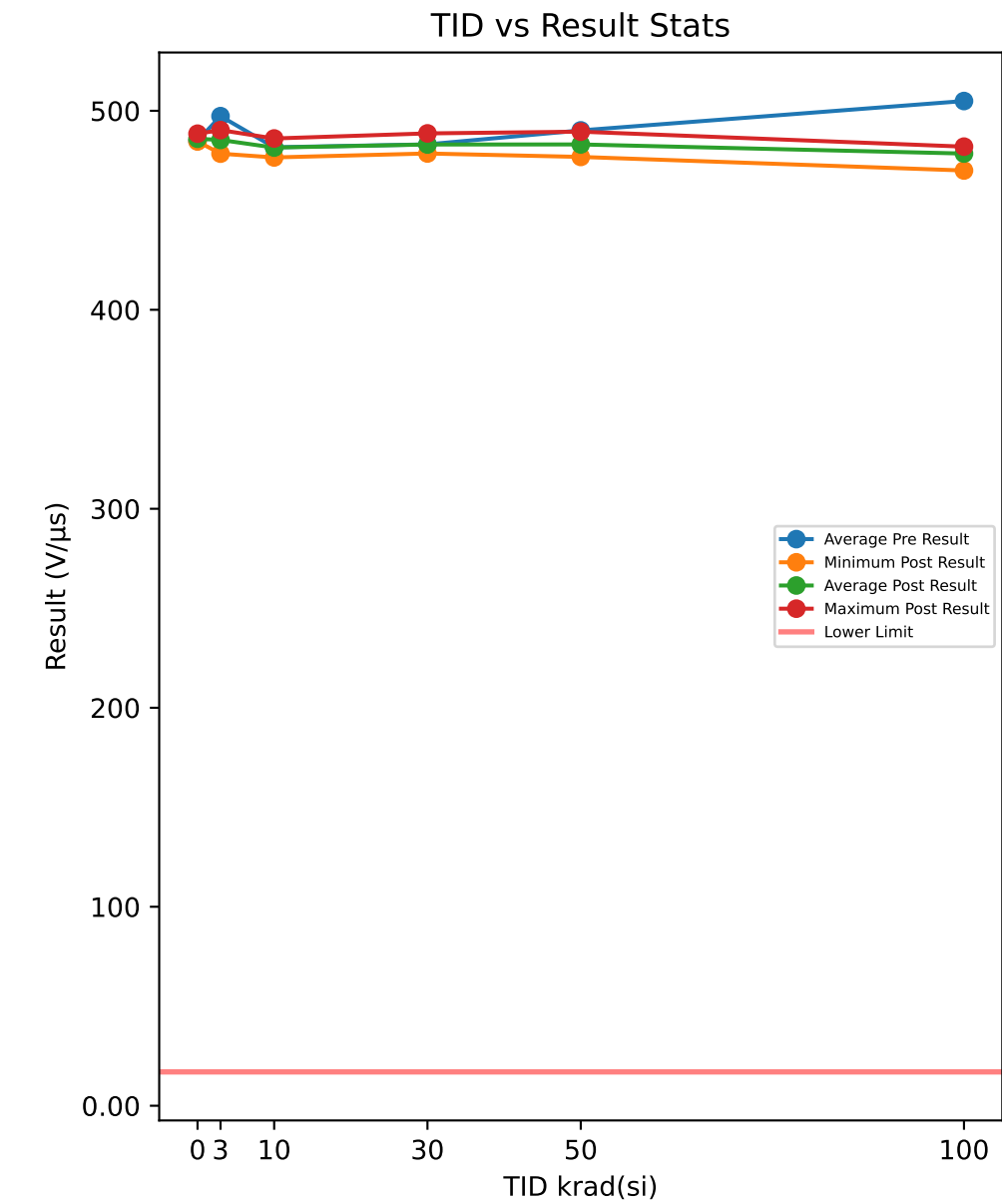
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 32.625           | 33.023           | 33.285           | 0.35058          | 32.555            | 32.962            | 33.233            | 0.35869           | -0.07     | -0.061667 | -0.052    | 0.0090738 |
| 3        | 32.829           | 33.226           | 33.76            | 0.35863          | 32.475            | 32.98             | 33.623            | 0.35611           | -0.877    | -0.2455   | 0.177     | 0.30312   |
| 10       | 32.25            | 32.85            | 33.626           | 0.45691          | 32.241            | 32.594            | 32.899            | 0.25134           | -1.347    | -0.2562   | 0.392     | 0.51636   |
| 30       | 32.851           | 33.322           | 33.982           | 0.37527          | 31.406            | 32.018            | 32.577            | 0.35308           | -2.215    | -1.3038   | -0.912    | 0.39647   |
| 50       | 33.031           | 33.756           | 34.969           | 0.66392          | 30.745            | 31.305            | 32.241            | 0.46761           | -3.611    | -2.4508   | -1.557    | 0.64638   |
| 100      | 32.242           | 33.29            | 35.004           | 0.91053          | 27.805            | 29.543            | 30.402            | 0.81201           | -5.539    | -3.7474   | -2.306    | 0.97019   |



| Test Results (Lower Limit = 17.0 (V/μs)) |          |                     |            |             |         |
|------------------------------------------|----------|---------------------|------------|-------------|---------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta   |
| 300                                      | 0        | Correlation         | 493.48     | 493.94      | 0.463   |
| 301                                      | 0        | Correlation         | 493.33     | 496.6       | 3.261   |
| 302                                      | 0        | Correlation         | 492.11     | 491.38      | -0.729  |
| 303                                      | 3        | Bias                | 514.04     | 489.47      | -24.568 |
| 304                                      | 3        | Bias                | 506.07     | 489.48      | -16.595 |
| 305                                      | 3        | Bias                | 509.94     | 493.85      | -16.098 |
| 306                                      | 3        | Bias                | 506.64     | 484.45      | -22.192 |
| 307                                      | 3        | Bias                | 510.29     | 486.56      | -23.724 |
| 308                                      | 3        | Unbiased            | 498.25     | 487.19      | -11.063 |
| 309                                      | 3        | Unbiased            | 490.26     | 492.41      | 2.155   |
| 310                                      | 3        | Unbiased            | 492.78     | 492.59      | -0.192  |
| 311                                      | 3        | Unbiased            | 486.27     | 484.08      | -2.185  |
| 312                                      | 3        | Unbiased            | 486.29     | 498.89      | 12.594  |
| 313                                      | 10       | Bias                | 490.84     | 491.14      | 0.301   |
| 314                                      | 10       | Bias                | 492.55     | 493.35      | 0.798   |
| 315                                      | 10       | Bias                | 484.95     | 485.97      | 1.021   |
| 316                                      | 10       | Bias                | 489.6      | 488.57      | -1.035  |
| 317                                      | 10       | Bias                | 483.08     | 487.51      | 4.434   |
| 318                                      | 10       | Unbiased            | 485.55     | 489.33      | 3.78    |
| 319                                      | 10       | Unbiased            | 480.68     | 484.49      | 3.808   |
| 320                                      | 10       | Unbiased            | 484.99     | 492.19      | 7.208   |
| 321                                      | 10       | Unbiased            | 489.07     | 488.58      | -0.489  |
| 322                                      | 10       | Unbiased            | 487.41     | 490.13      | 2.721   |
| 323                                      | 30       | Bias                | 485.51     | 485.71      | 0.197   |
| 324                                      | 30       | Bias                | 496.5      | 488.6       | -7.908  |
| 325                                      | 30       | Bias                | 491.9      | 484.22      | -7.673  |
| 326                                      | 30       | Bias                | 485.76     | 494.42      | 8.661   |
| 327                                      | 30       | Bias                | 480.98     | 491.98      | 10.993  |
| 328                                      | 30       | Unbiased            | 485.76     | 493.56      | 7.793   |
| 329                                      | 30       | Unbiased            | 486.51     | 486.48      | -0.027  |
| 330                                      | 30       | Unbiased            | 484.19     | 493.57      | 9.372   |
| 331                                      | 30       | Unbiased            | 483.31     | 487.11      | 3.798   |
| 332                                      | 30       | Unbiased            | 480.11     | 482.37      | 2.264   |
| 333                                      | 50       | Bias                | 489.27     | 490.06      | 0.788   |
| 334                                      | 50       | Bias                | 489.81     | 487.27      | -2.535  |
| 335                                      | 50       | Bias                | 483.11     | 482.22      | -0.885  |
| 336                                      | 50       | Bias                | 489.13     | 486.72      | -2.412  |
| 337                                      | 50       | Bias                | 478.88     | 481.48      | 2.6     |
| 338                                      | 50       | Unbiased            | 489.2      | 494.15      | 4.95    |
| 339                                      | 50       | Unbiased            | 502.41     | 490.94      | -11.469 |
| 340                                      | 50       | Unbiased            | 499.61     | 485.81      | -13.797 |
| 341                                      | 50       | Unbiased            | 508.67     | 488.35      | -20.322 |
| 342                                      | 50       | Unbiased            | 508.48     | 490.87      | -17.611 |
| 343                                      | 100      | Bias                | 513.03     | 488.62      | -24.408 |
| 344                                      | 100      | Bias                | 505.68     | 491.65      | -14.03  |
| 345                                      | 100      | Bias                | 500.52     | 478.76      | -21.762 |
| 346                                      | 100      | Bias                | 500.58     | 486.33      | -14.249 |
| 347                                      | 100      | Bias                | 508.46     | 484.81      | -23.651 |
| 348                                      | 100      | Unbiased            | 512.42     | 491.06      | -21.364 |
| 349                                      | 100      | Unbiased            | 505.55     | 485.95      | -19.595 |
| 350                                      | 100      | Unbiased            | 496.92     | 482.17      | -14.753 |
| 351                                      | 100      | Unbiased            | 504.71     | 482.44      | -22.265 |
| 352                                      | 100      | Unbiased            | 507.87     | 488.94      | -18.925 |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 492.11           | 492.98           | 493.48           | 0.75022          | 491.38            | 493.97            | 496.6             | 2.6062            | -0.729    | 0.99833   | 3.261     | 2.0482    |
| 3        | 486.27           | 500.08           | 514.04           | 10.59            | 484.08            | 489.9             | 498.89            | 4.6224            | -24.568   | -10.187   | 12.594    | 12.676    |
| 10       | 480.68           | 486.87           | 492.55           | 3.6857           | 484.49            | 489.13            | 493.35            | 2.7289            | -1.035    | 2.2547    | 7.208     | 2.5831    |
| 30       | 480.11           | 486.05           | 496.5            | 4.8991           | 482.37            | 488.8             | 494.42            | 4.3081            | -7.908    | 2.747     | 10.993    | 6.7492    |
| 50       | 478.88           | 493.86           | 508.67           | 10.332           | 481.48            | 487.79            | 494.15            | 3.9634            | -20.322   | -6.0693   | 4.95      | 8.954     |
| 100      | 496.92           | 505.57           | 513.03           | 5.1889           | 478.76            | 486.07            | 491.65            | 4.1407            | -24.408   | -19.5     | -14.03    | 3.9147    |

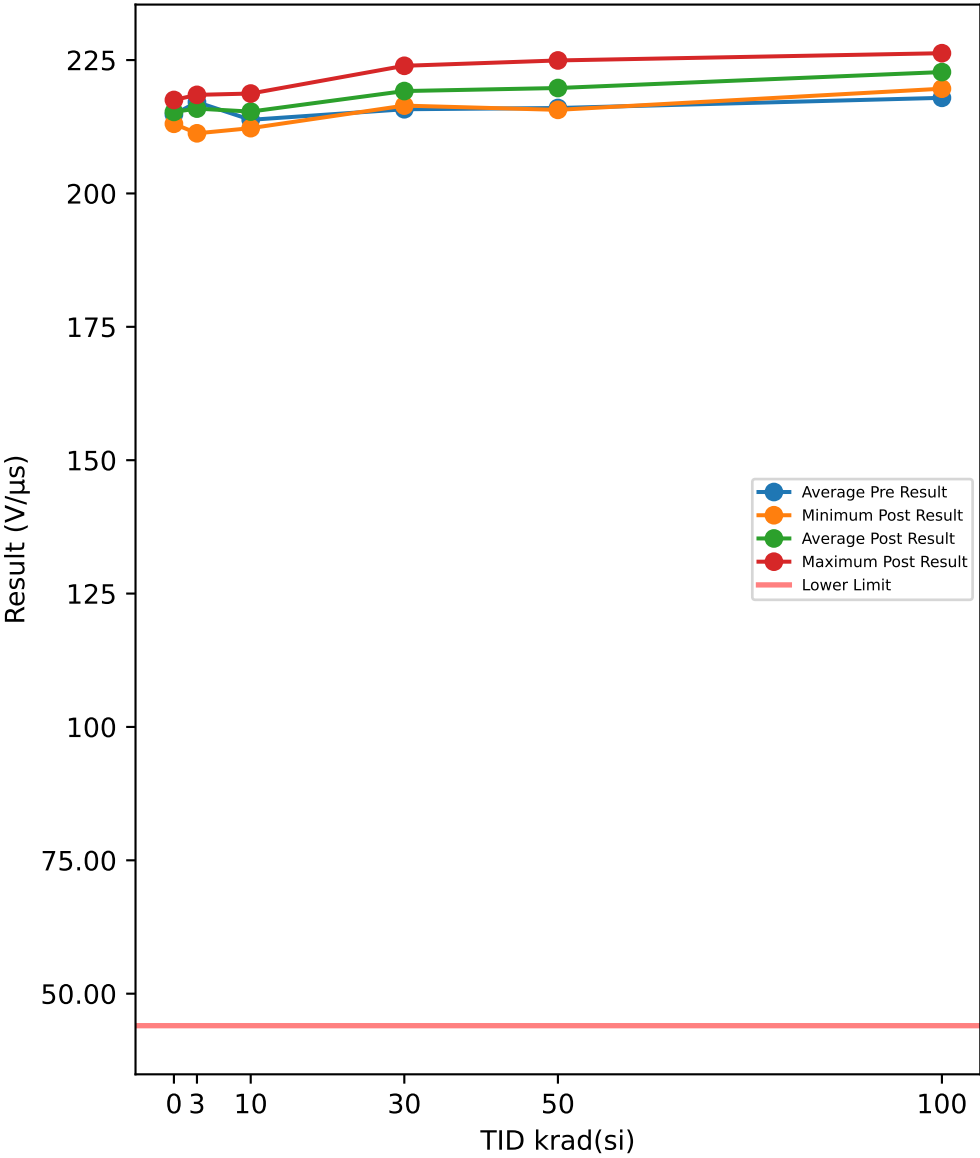


| Test Results (Lower Limit = 17.0 (V/μs)) |          |                     |            |             |         |
|------------------------------------------|----------|---------------------|------------|-------------|---------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta   |
| 300                                      | 0        | Correlation         | 484.89     | 484.75      | -0.146  |
| 301                                      | 0        | Correlation         | 489.18     | 488.49      | -0.686  |
| 302                                      | 0        | Correlation         | 480.56     | 484.6       | 4.036   |
| 303                                      | 3        | Bias                | 508.71     | 487.85      | -20.853 |
| 304                                      | 3        | Bias                | 503.89     | 487.24      | -16.649 |
| 305                                      | 3        | Bias                | 506.76     | 484.7       | -22.06  |
| 306                                      | 3        | Bias                | 506.62     | 487.5       | -19.11  |
| 307                                      | 3        | Bias                | 498.7      | 478.46      | -20.233 |
| 308                                      | 3        | Unbiased            | 501.52     | 483.68      | -17.845 |
| 309                                      | 3        | Unbiased            | 484.87     | 487.3       | 2.427   |
| 310                                      | 3        | Unbiased            | 484.88     | 480.71      | -4.173  |
| 311                                      | 3        | Unbiased            | 484.76     | 490.29      | 5.528   |
| 312                                      | 3        | Unbiased            | 492.45     | 485.84      | -6.615  |
| 313                                      | 10       | Bias                | 478.85     | 478.65      | -0.199  |
| 314                                      | 10       | Bias                | 480.65     | 482.23      | 1.578   |
| 315                                      | 10       | Bias                | 484.74     | 482.2       | -2.543  |
| 316                                      | 10       | Bias                | 487.6      | 482.29      | -5.313  |
| 317                                      | 10       | Bias                | 487.29     | 486.09      | -1.204  |
| 318                                      | 10       | Unbiased            | 483.56     | 483.4       | -0.16   |
| 319                                      | 10       | Unbiased            | 474.11     | 481.25      | 7.14    |
| 320                                      | 10       | Unbiased            | 482.52     | 476.56      | -5.964  |
| 321                                      | 10       | Unbiased            | 475.7      | 481.74      | 6.041   |
| 322                                      | 10       | Unbiased            | 481.46     | 480.72      | -0.741  |
| 323                                      | 30       | Bias                | 486.58     | 483.74      | -2.843  |
| 324                                      | 30       | Bias                | 485.79     | 484.29      | -1.507  |
| 325                                      | 30       | Bias                | 484.13     | 478.55      | -5.585  |
| 326                                      | 30       | Bias                | 484.94     | 488.64      | 3.697   |
| 327                                      | 30       | Bias                | 481.97     | 479.91      | -2.068  |
| 328                                      | 30       | Unbiased            | 486.73     | 486.32      | -0.411  |
| 329                                      | 30       | Unbiased            | 475.38     | 480.33      | 4.942   |
| 330                                      | 30       | Unbiased            | 485.58     | 480.89      | -4.685  |
| 331                                      | 30       | Unbiased            | 481.09     | 483.67      | 2.576   |
| 332                                      | 30       | Unbiased            | 479.07     | 484.25      | 5.181   |
| 333                                      | 50       | Bias                | 483.35     | 489.51      | 6.16    |
| 334                                      | 50       | Bias                | 480.08     | 478.61      | -1.477  |
| 335                                      | 50       | Bias                | 481.79     | 484.75      | 2.961   |
| 336                                      | 50       | Bias                | 482.07     | 485.31      | 3.241   |
| 337                                      | 50       | Bias                | 482.3      | 476.82      | -5.475  |
| 338                                      | 50       | Unbiased            | 490.6      | 489.46      | -1.139  |
| 339                                      | 50       | Unbiased            | 501.19     | 481.11      | -20.078 |
| 340                                      | 50       | Unbiased            | 495.5      | 482.1       | -13.405 |
| 341                                      | 50       | Unbiased            | 501.18     | 481.49      | -19.691 |
| 342                                      | 50       | Unbiased            | 503.47     | 481.8       | -21.679 |
| 343                                      | 100      | Bias                | 510.73     | 480.26      | -30.47  |
| 344                                      | 100      | Bias                | 504.99     | 479.57      | -25.425 |
| 345                                      | 100      | Bias                | 503.22     | 476.26      | -26.957 |
| 346                                      | 100      | Bias                | 506.81     | 481.99      | -24.82  |
| 347                                      | 100      | Bias                | 503.78     | 480.06      | -23.721 |
| 348                                      | 100      | Unbiased            | 504.94     | 478.79      | -26.155 |
| 349                                      | 100      | Unbiased            | 501.21     | 478.88      | -22.329 |
| 350                                      | 100      | Unbiased            | 505.18     | 480.18      | -25.007 |
| 351                                      | 100      | Unbiased            | 500.92     | 469.99      | -30.926 |
| 352                                      | 100      | Unbiased            | 507.26     | 479.14      | -28.127 |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 480.56           | 484.88           | 489.18           | 4.3105           | 484.6             | 485.95            | 488.49            | 2.208             | -0.686    | 1.068     | 4.036     | 2.5845    |
| 3        | 484.76           | 497.32           | 508.71           | 9.7688           | 478.46            | 485.36            | 490.29            | 3.5762            | -22.06    | -11.958   | 5.528     | 10.324    |
| 10       | 474.11           | 481.65           | 487.6            | 4.5008           | 476.56            | 481.51            | 486.09            | 2.5732            | -5.964    | -0.1365   | 7.14      | 4.244     |
| 30       | 475.38           | 483.13           | 486.73           | 3.7152           | 478.55            | 483.06            | 488.64            | 3.1274            | -5.585    | -0.0703   | 5.181     | 3.9365    |
| 50       | 480.08           | 490.15           | 503.47           | 9.3951           | 476.82            | 483.1             | 489.51            | 4.1906            | -21.679   | -7.0582   | 6.16      | 10.714    |
| 100      | 500.92           | 504.91           | 510.73           | 2.9226           | 469.99            | 478.51            | 481.99            | 3.3277            | -30.926   | -26.394   | -22.329   | 2.7797    |

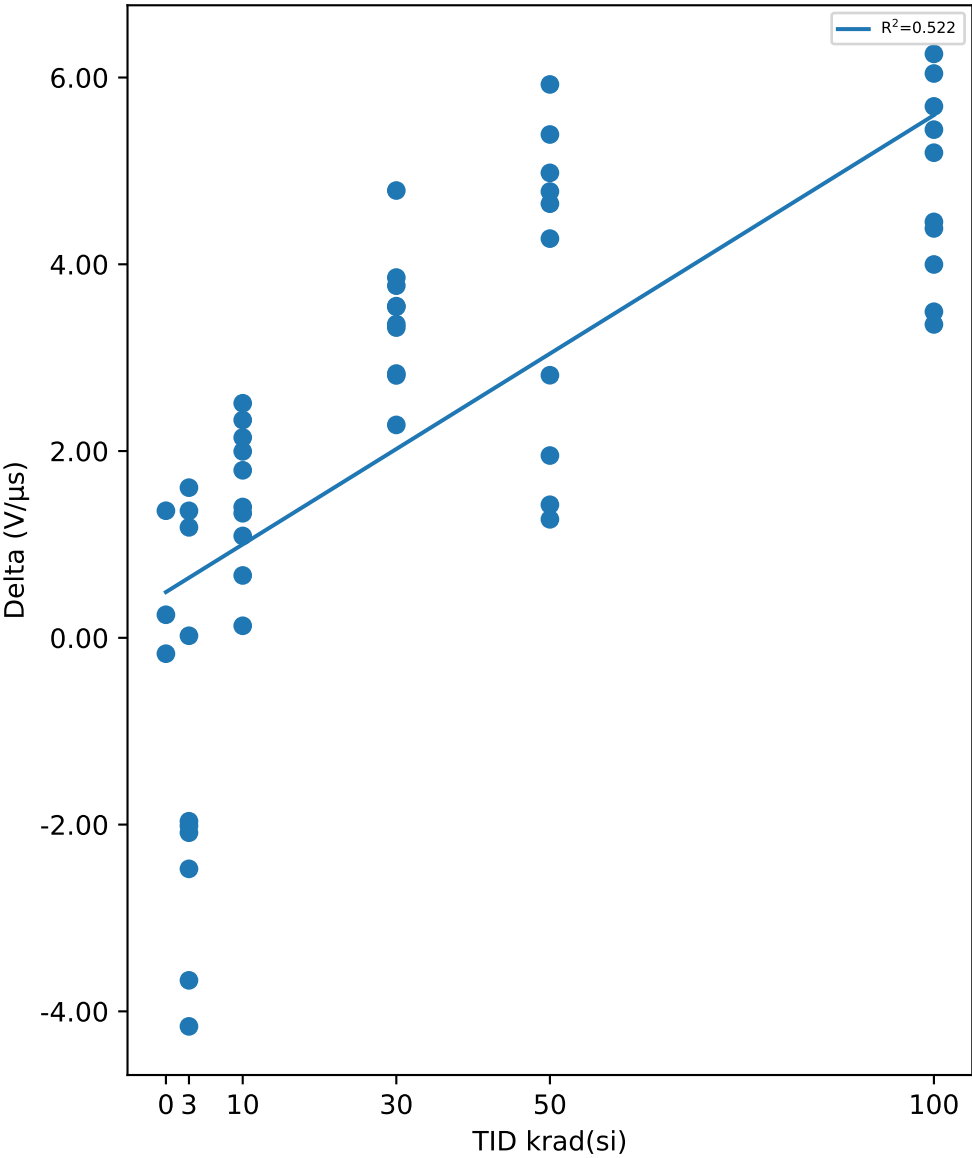
TID vs Result Stats



Test Results (Lower Limit = 44.0 (V/μs))

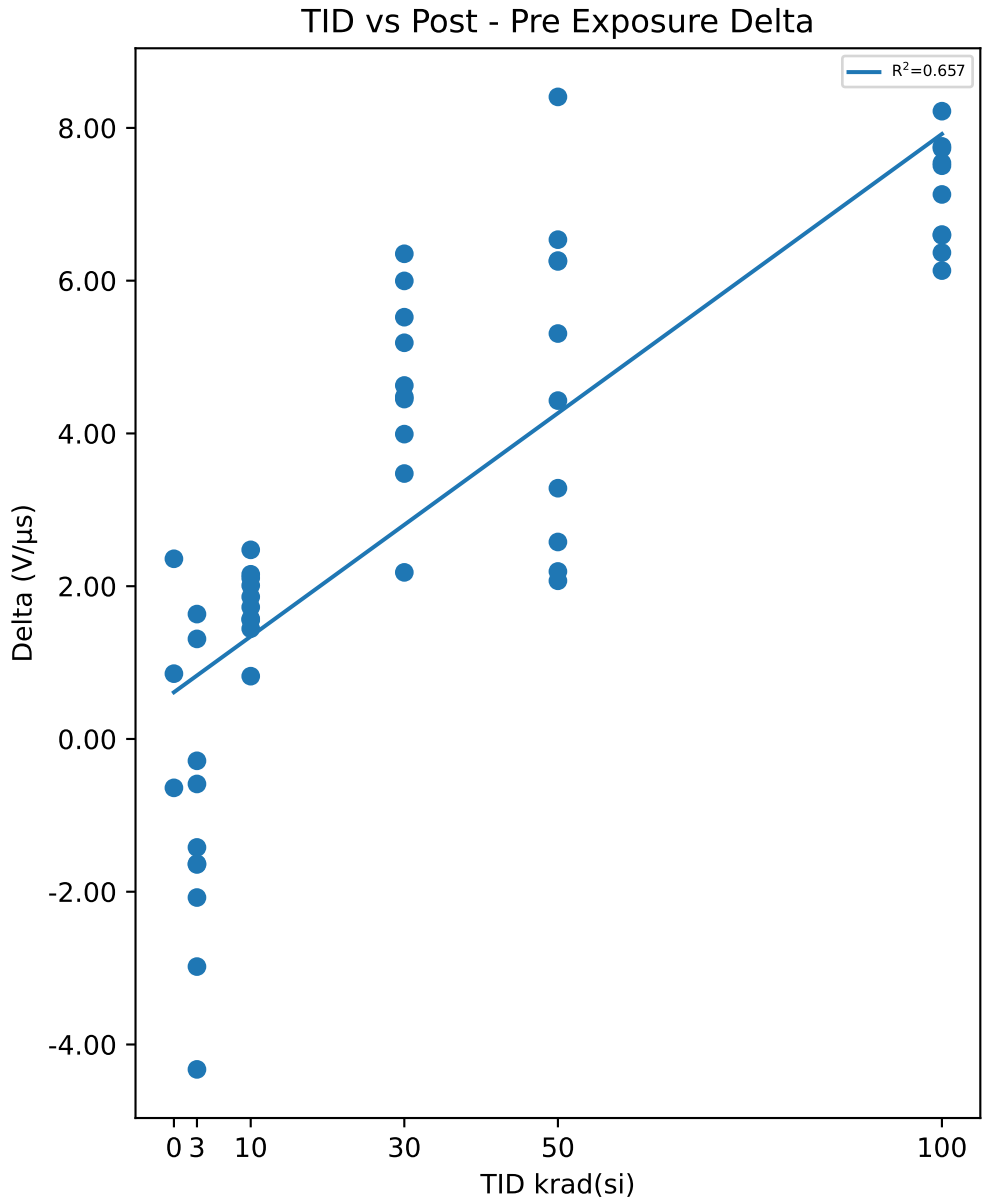
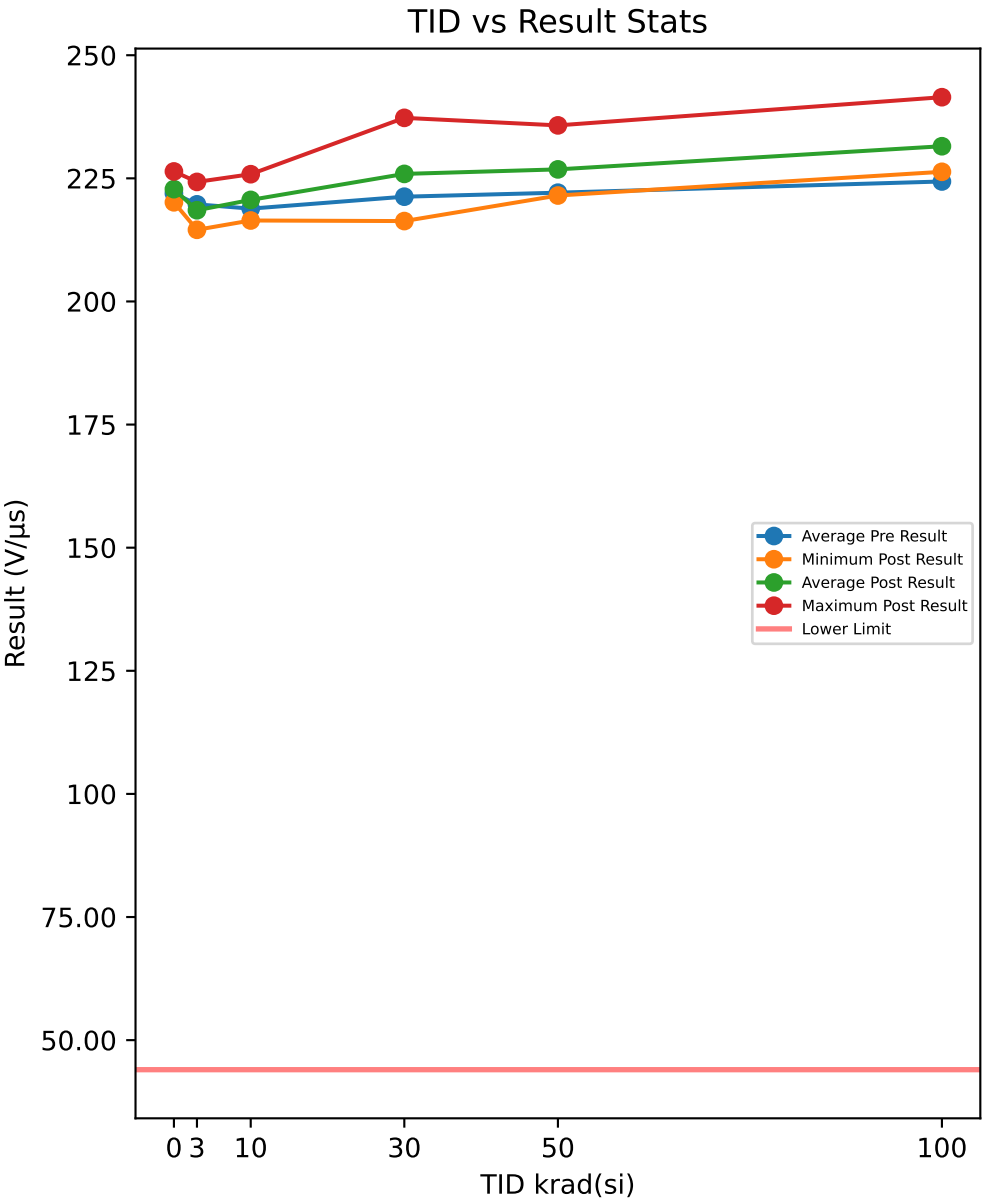
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 213.91     | 215.27      | 1.361  |
| 301      | 0        | Correlation         | 217.69     | 217.52      | -0.17  |
| 302      | 0        | Correlation         | 212.81     | 213.06      | 0.247  |
| 303      | 3        | Bias                | 216.63     | 214.54      | -2.087 |
| 304      | 3        | Bias                | 215.89     | 213.42      | -2.474 |
| 305      | 3        | Bias                | 220.07     | 216.41      | -3.668 |
| 306      | 3        | Bias                | 219.36     | 215.2       | -4.161 |
| 307      | 3        | Bias                | 220.19     | 218.22      | -1.964 |
| 308      | 3        | Unbiased            | 220.13     | 218.12      | -2.014 |
| 309      | 3        | Unbiased            | 209.66     | 211.27      | 1.608  |
| 310      | 3        | Unbiased            | 214.36     | 215.55      | 1.183  |
| 311      | 3        | Unbiased            | 216.46     | 217.82      | 1.36   |
| 312      | 3        | Unbiased            | 218.46     | 218.48      | 0.022  |
| 313      | 10       | Bias                | 215.6      | 217.75      | 2.145  |
| 314      | 10       | Bias                | 212.37     | 213.03      | 0.668  |
| 315      | 10       | Bias                | 214.4      | 216.91      | 2.512  |
| 316      | 10       | Bias                | 214.34     | 216.67      | 2.332  |
| 317      | 10       | Bias                | 213.27     | 214.67      | 1.401  |
| 318      | 10       | Unbiased            | 216.73     | 218.73      | 1.997  |
| 319      | 10       | Unbiased            | 215.26     | 216.35      | 1.091  |
| 320      | 10       | Unbiased            | 212.11     | 212.24      | 0.129  |
| 321      | 10       | Unbiased            | 211.89     | 213.23      | 1.334  |
| 322      | 10       | Unbiased            | 212.05     | 213.84      | 1.794  |
| 323      | 30       | Bias                | 213.14     | 216.46      | 3.322  |
| 324      | 30       | Bias                | 216.13     | 218.94      | 2.81   |
| 325      | 30       | Bias                | 213.36     | 216.72      | 3.359  |
| 326      | 30       | Bias                | 218.02     | 221.79      | 3.771  |
| 327      | 30       | Bias                | 214.23     | 217.06      | 2.83   |
| 328      | 30       | Unbiased            | 216.78     | 219.06      | 2.28   |
| 329      | 30       | Unbiased            | 213.87     | 217.42      | 3.545  |
| 330      | 30       | Unbiased            | 220.37     | 223.93      | 3.552  |
| 331      | 30       | Unbiased            | 215.04     | 219.83      | 4.79   |
| 332      | 30       | Unbiased            | 216.85     | 220.71      | 3.858  |
| 333      | 50       | Bias                | 219.25     | 223.52      | 4.275  |
| 334      | 50       | Bias                | 212.06     | 217.98      | 5.926  |
| 335      | 50       | Bias                | 213.97     | 218.62      | 4.649  |
| 336      | 50       | Bias                | 215.66     | 221.05      | 5.39   |
| 337      | 50       | Bias                | 210.89     | 215.67      | 4.779  |
| 338      | 50       | Unbiased            | 214.14     | 219.12      | 4.979  |
| 339      | 50       | Unbiased            | 223.66     | 224.93      | 1.269  |
| 340      | 50       | Unbiased            | 214.83     | 216.25      | 1.425  |
| 341      | 50       | Unbiased            | 219.33     | 221.28      | 1.952  |
| 342      | 50       | Unbiased            | 216.38     | 219.19      | 2.812  |
| 343      | 100      | Bias                | 216.37     | 221.56      | 5.195  |
| 344      | 100      | Bias                | 216.28     | 219.63      | 3.356  |
| 345      | 100      | Bias                | 220.04     | 224.43      | 4.384  |
| 346      | 100      | Bias                | 219.19     | 222.68      | 3.492  |
| 347      | 100      | Bias                | 214.75     | 220.44      | 5.691  |
| 348      | 100      | Unbiased            | 218.83     | 222.83      | 3.998  |
| 349      | 100      | Unbiased            | 219.11     | 223.56      | 4.454  |
| 350      | 100      | Unbiased            | 219.85     | 225.89      | 6.043  |
| 351      | 100      | Unbiased            | 214.78     | 220.22      | 5.442  |
| 352      | 100      | Unbiased            | 220.03     | 226.29      | 6.253  |

TID vs Post - Pre Exposure Delta



Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 212.81           | 214.8            | 217.69           | 2.5614           | 213.06            | 215.28            | 217.52            | 2.2325            | -0.17     | 0.47933   | 1.361     | 0.7915    |
| 3        | 209.66           | 217.12           | 220.19           | 3.3229           | 211.27            | 215.9             | 218.48            | 2.3793            | -4.161    | -1.2195   | 1.608     | 2.1114    |
| 10       | 211.89           | 213.8            | 216.73           | 1.7175           | 212.24            | 215.34            | 218.73            | 2.2275            | 0.129     | 1.5403    | 2.512     | 0.76202   |
| 30       | 213.14           | 215.78           | 220.37           | 2.3057           | 216.46            | 219.19            | 223.93            | 2.4323            | 2.28      | 3.4117    | 4.79      | 0.68778   |
| 50       | 210.89           | 216.02           | 223.66           | 3.8173           | 215.67            | 219.76            | 224.93            | 2.9638            | 1.269     | 3.7456    | 5.926     | 1.724     |
| 100      | 214.75           | 217.92           | 220.04           | 2.1499           | 219.63            | 222.75            | 226.29            | 2.3269            | 3.356     | 4.8308    | 6.253     | 1.0403    |

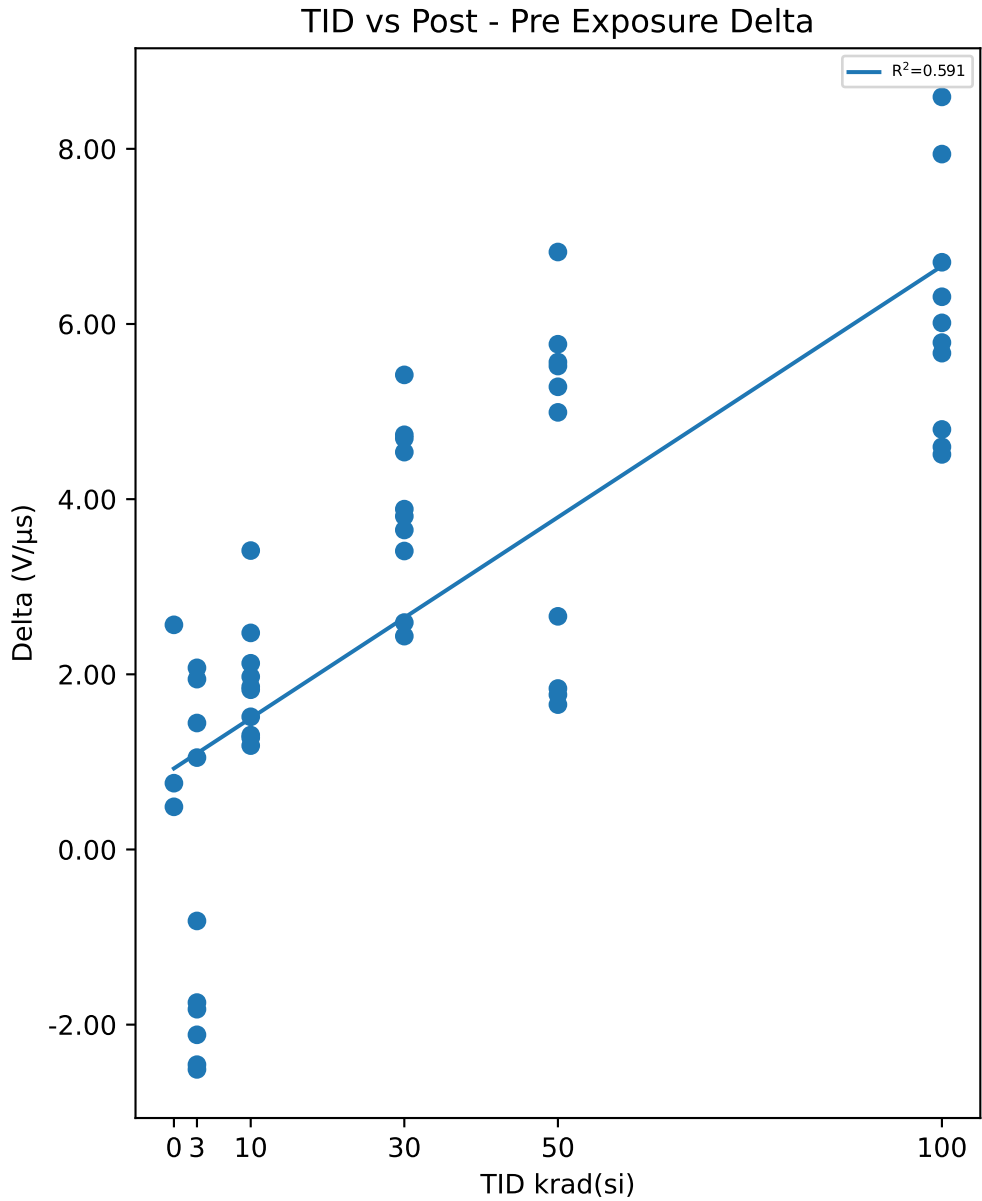
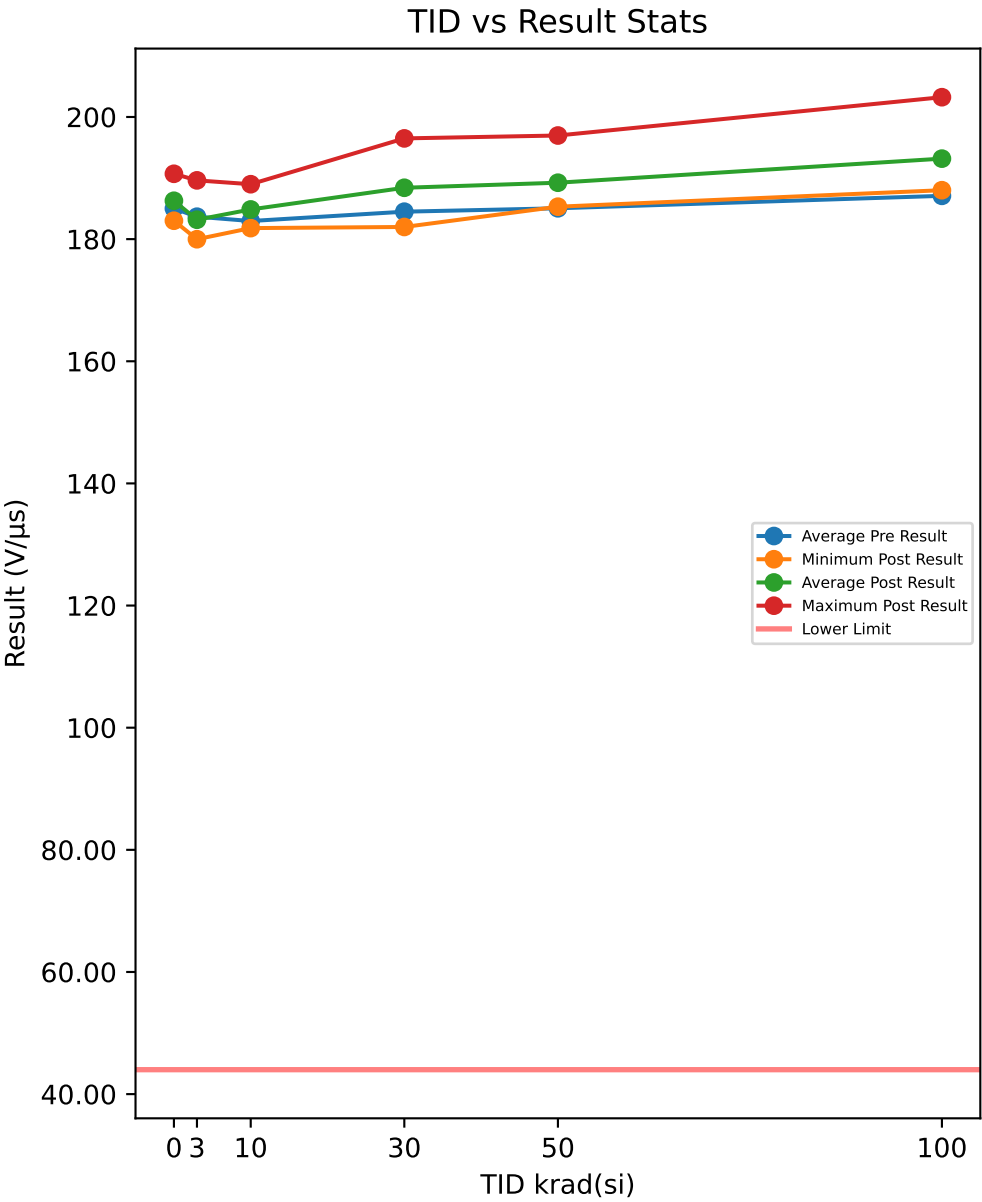


| Test Results (Lower Limit = 44.0 (V/μs)) |          |                     |            |             |        |
|------------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                      | 0        | Correlation         | 217.77     | 220.13      | 2.359  |
| 301                                      | 0        | Correlation         | 221.03     | 221.88      | 0.855  |
| 302                                      | 0        | Correlation         | 227.04     | 226.4       | -0.64  |
| 303                                      | 3        | Bias                | 215.97     | 214.55      | -1.42  |
| 304                                      | 3        | Bias                | 217.94     | 216.3       | -1.634 |
| 305                                      | 3        | Bias                | 228.6      | 224.27      | -4.326 |
| 306                                      | 3        | Bias                | 221.3      | 219.22      | -2.076 |
| 307                                      | 3        | Bias                | 217.7      | 216.06      | -1.643 |
| 308                                      | 3        | Unbiased            | 220.02     | 217.04      | -2.98  |
| 309                                      | 3        | Unbiased            | 217.82     | 217.23      | -0.589 |
| 310                                      | 3        | Unbiased            | 216.13     | 215.84      | -0.286 |
| 311                                      | 3        | Unbiased            | 220.62     | 221.93      | 1.31   |
| 312                                      | 3        | Unbiased            | 221.11     | 222.75      | 1.635  |
| 313                                      | 10       | Bias                | 218.33     | 220.34      | 2.009  |
| 314                                      | 10       | Bias                | 222.49     | 224.64      | 2.156  |
| 315                                      | 10       | Bias                | 220.71     | 222.57      | 1.861  |
| 316                                      | 10       | Bias                | 220.26     | 221.08      | 0.822  |
| 317                                      | 10       | Bias                | 217.72     | 219.17      | 1.444  |
| 318                                      | 10       | Unbiased            | 224.27     | 225.84      | 1.574  |
| 319                                      | 10       | Unbiased            | 214.33     | 216.44      | 2.108  |
| 320                                      | 10       | Unbiased            | 217.66     | 219.39      | 1.726  |
| 321                                      | 10       | Unbiased            | 218.25     | 219.81      | 1.558  |
| 322                                      | 10       | Unbiased            | 214.46     | 216.94      | 2.476  |
| 323                                      | 30       | Bias                | 215.02     | 217.2       | 2.181  |
| 324                                      | 30       | Bias                | 219.31     | 223.94      | 4.628  |
| 325                                      | 30       | Bias                | 229.68     | 234.13      | 4.45   |
| 326                                      | 30       | Bias                | 221.46     | 227.46      | 5.997  |
| 327                                      | 30       | Bias                | 217.19     | 220.67      | 3.475  |
| 328                                      | 30       | Unbiased            | 227.8      | 232.28      | 4.481  |
| 329                                      | 30       | Unbiased            | 212.33     | 216.32      | 3.991  |
| 330                                      | 30       | Unbiased            | 230.93     | 237.28      | 6.352  |
| 331                                      | 30       | Unbiased            | 219.31     | 224.5       | 5.187  |
| 332                                      | 30       | Unbiased            | 219.69     | 225.21      | 5.522  |
| 333                                      | 50       | Bias                | 226.21     | 230.64      | 4.43   |
| 334                                      | 50       | Bias                | 226.87     | 235.27      | 8.406  |
| 335                                      | 50       | Bias                | 214.98     | 221.51      | 6.537  |
| 336                                      | 50       | Bias                | 217.9      | 224.16      | 6.263  |
| 337                                      | 50       | Bias                | 220.42     | 226.68      | 6.252  |
| 338                                      | 50       | Unbiased            | 219        | 224.31      | 5.308  |
| 339                                      | 50       | Unbiased            | 233.68     | 235.75      | 2.071  |
| 340                                      | 50       | Unbiased            | 218.74     | 222.02      | 3.283  |
| 341                                      | 50       | Unbiased            | 219.95     | 222.14      | 2.193  |
| 342                                      | 50       | Unbiased            | 223.13     | 225.71      | 2.579  |
| 343                                      | 100      | Bias                | 227.05     | 234.78      | 7.731  |
| 344                                      | 100      | Bias                | 225.1      | 233.31      | 8.219  |
| 345                                      | 100      | Bias                | 220.91     | 228.04      | 7.129  |
| 346                                      | 100      | Bias                | 220.9      | 228.4       | 7.505  |
| 347                                      | 100      | Bias                | 227.41     | 235.16      | 7.758  |
| 348                                      | 100      | Unbiased            | 223.92     | 230.28      | 6.367  |
| 349                                      | 100      | Unbiased            | 220.19     | 226.33      | 6.132  |
| 350                                      | 100      | Unbiased            | 222.63     | 229.22      | 6.594  |
| 351                                      | 100      | Unbiased            | 221.58     | 228.19      | 6.604  |
| 352                                      | 100      | Unbiased            | 233.93     | 241.48      | 7.542  |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 217.77           | 221.95           | 227.04           | 4.7008           | 220.13            | 222.81            | 226.4             | 3.2336            | -0.64     | 0.858     | 2.359     | 1.4995    |
| 3        | 215.97           | 219.72           | 228.6            | 3.6822           | 214.55            | 218.52            | 224.27            | 3.3479            | -4.326    | -1.2009   | 1.635     | 1.8162    |
| 10       | 214.33           | 218.85           | 224.27           | 3.1787           | 216.44            | 220.62            | 225.84            | 3.0332            | 0.822     | 1.7734    | 2.476     | 0.46155   |
| 30       | 212.33           | 221.27           | 230.93           | 6.2574           | 216.32            | 225.9             | 237.28            | 7.0032            | 2.181     | 4.6264    | 6.352     | 1.2353    |
| 50       | 214.98           | 222.09           | 233.68           | 5.4929           | 221.51            | 226.82            | 235.75            | 5.3073            | 2.071     | 4.7322    | 8.406     | 2.1627    |
| 100      | 220.19           | 224.36           | 233.93           | 4.2276           | 226.33            | 231.52            | 241.48            | 4.6304            | 6.132     | 7.1581    | 8.219     | 0.6981    |

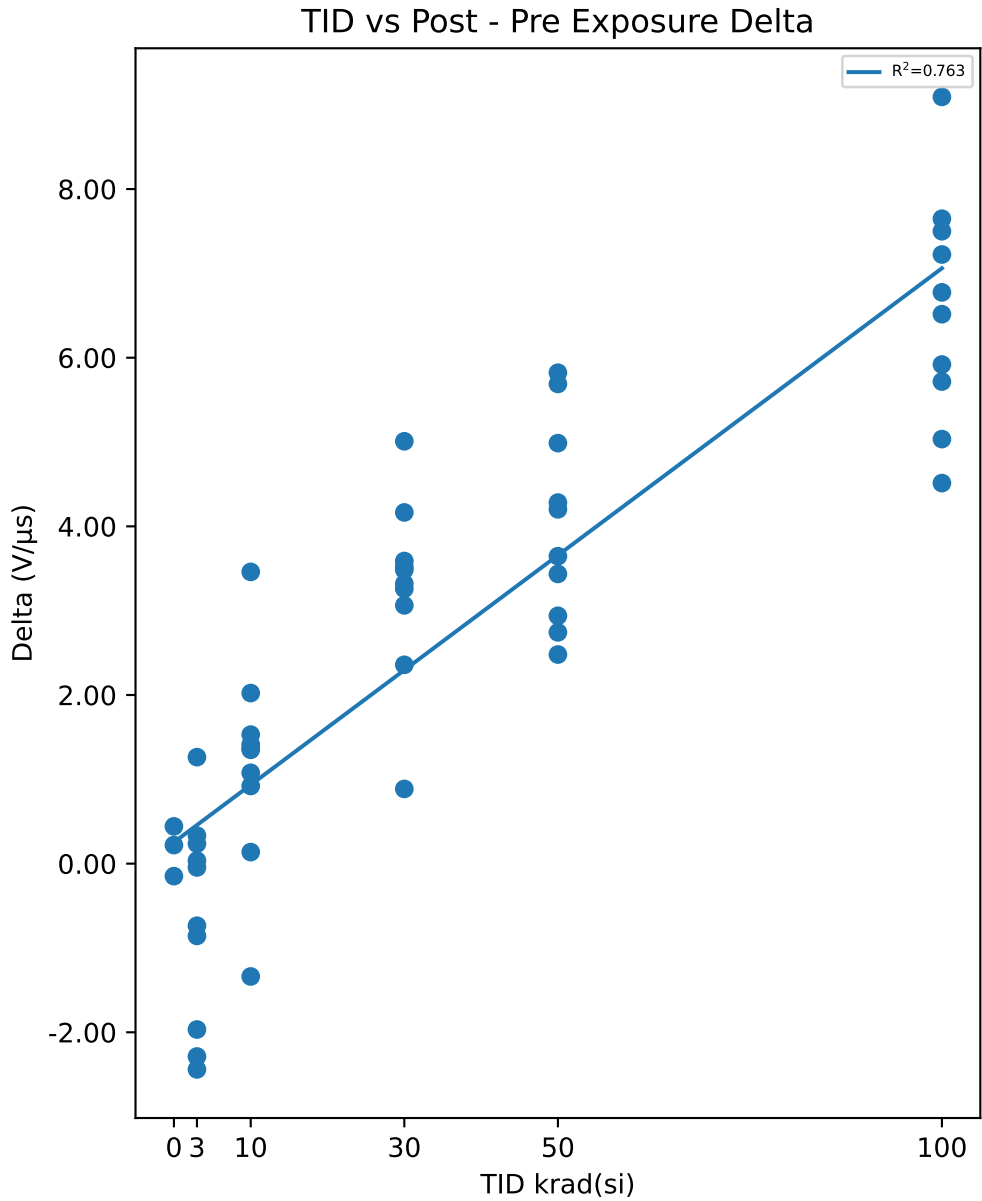
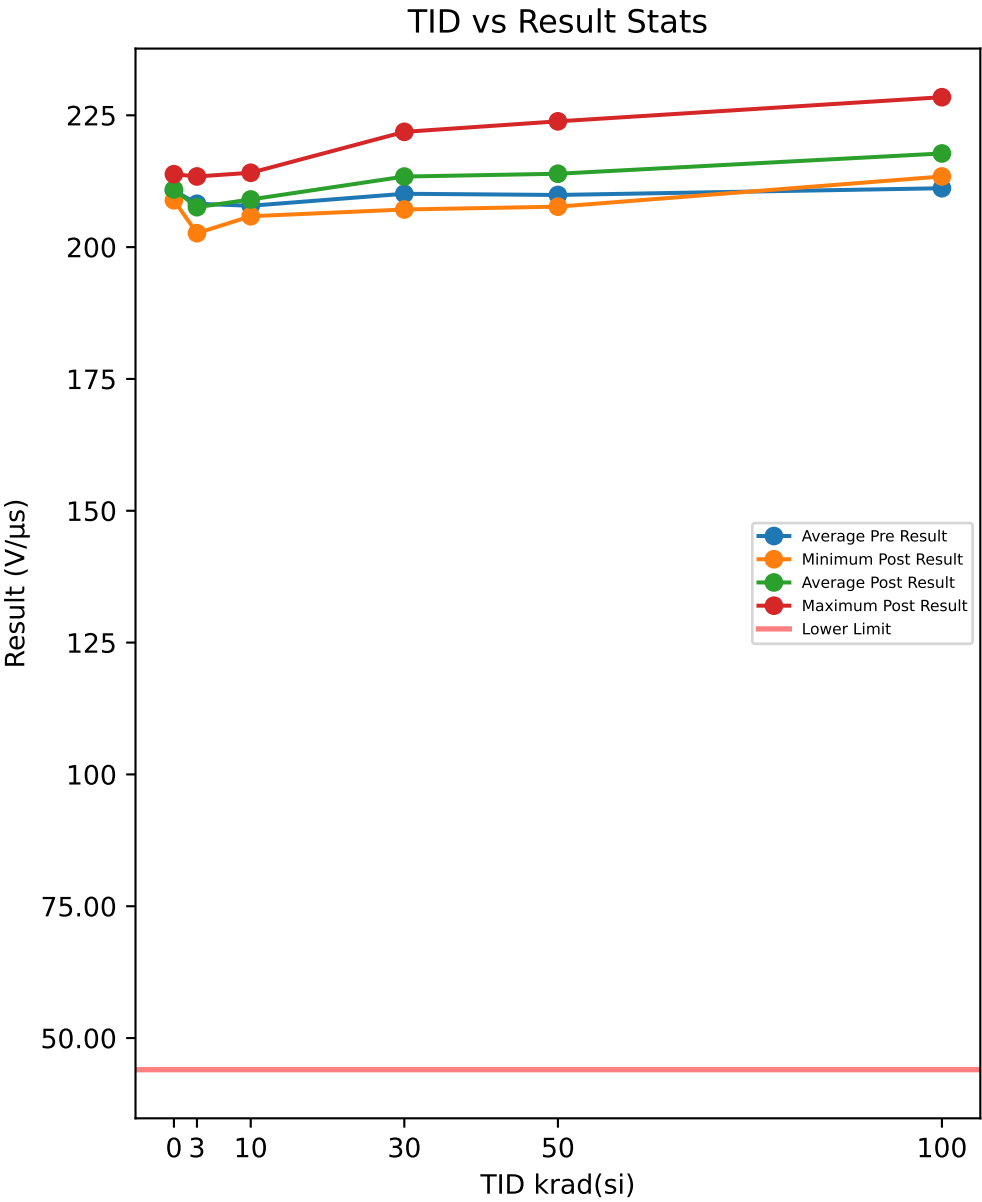




| Test Results (Lower Limit = 44.0 (V/μs)) |          |                     |            |             |        |
|------------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                      | 0        | Correlation         | 182.53     | 183.01      | 0.487  |
| 301                                      | 0        | Correlation         | 184.37     | 185.13      | 0.757  |
| 302                                      | 0        | Correlation         | 188.13     | 190.7       | 2.565  |
| 303                                      | 3        | Bias                | 182.37     | 181.55      | -0.816 |
| 304                                      | 3        | Bias                | 181.81     | 179.98      | -1.824 |
| 305                                      | 3        | Bias                | 191.37     | 189.62      | -1.748 |
| 306                                      | 3        | Bias                | 184.16     | 181.71      | -2.457 |
| 307                                      | 3        | Bias                | 183.47     | 181.36      | -2.116 |
| 308                                      | 3        | Unbiased            | 183.03     | 180.52      | -2.511 |
| 309                                      | 3        | Unbiased            | 180.72     | 182.8       | 2.074  |
| 310                                      | 3        | Unbiased            | 181.02     | 182.07      | 1.049  |
| 311                                      | 3        | Unbiased            | 183.9      | 185.85      | 1.945  |
| 312                                      | 3        | Unbiased            | 184.85     | 186.3       | 1.444  |
| 313                                      | 10       | Bias                | 182.21     | 183.4       | 1.186  |
| 314                                      | 10       | Bias                | 185.03     | 187.16      | 2.126  |
| 315                                      | 10       | Bias                | 184.98     | 188.4       | 3.413  |
| 316                                      | 10       | Bias                | 183.37     | 185.23      | 1.858  |
| 317                                      | 10       | Bias                | 182.01     | 183.28      | 1.276  |
| 318                                      | 10       | Unbiased            | 187.17     | 188.99      | 1.824  |
| 319                                      | 10       | Unbiased            | 180.29     | 181.81      | 1.515  |
| 320                                      | 10       | Unbiased            | 182.8      | 184.1       | 1.306  |
| 321                                      | 10       | Unbiased            | 182.17     | 184.14      | 1.973  |
| 322                                      | 10       | Unbiased            | 179.62     | 182.09      | 2.473  |
| 323                                      | 30       | Bias                | 179.45     | 182.04      | 2.591  |
| 324                                      | 30       | Bias                | 183.03     | 186.44      | 3.408  |
| 325                                      | 30       | Bias                | 189.05     | 193.59      | 4.537  |
| 326                                      | 30       | Bias                | 185.32     | 190.02      | 4.694  |
| 327                                      | 30       | Bias                | 182.41     | 186.3       | 3.886  |
| 328                                      | 30       | Unbiased            | 189.46     | 193.26      | 3.805  |
| 329                                      | 30       | Unbiased            | 179.56     | 181.99      | 2.436  |
| 330                                      | 30       | Unbiased            | 191.07     | 196.49      | 5.419  |
| 331                                      | 30       | Unbiased            | 181.35     | 185         | 3.648  |
| 332                                      | 30       | Unbiased            | 184.23     | 188.97      | 4.735  |
| 333                                      | 50       | Bias                | 186.66     | 192.23      | 5.565  |
| 334                                      | 50       | Bias                | 188.21     | 195.03      | 6.822  |
| 335                                      | 50       | Bias                | 179.79     | 185.31      | 5.52   |
| 336                                      | 50       | Bias                | 180.58     | 185.86      | 5.283  |
| 337                                      | 50       | Bias                | 183.28     | 189.05      | 5.769  |
| 338                                      | 50       | Unbiased            | 182.24     | 187.23      | 4.991  |
| 339                                      | 50       | Unbiased            | 194.3      | 196.97      | 2.662  |
| 340                                      | 50       | Unbiased            | 184.56     | 186.33      | 1.767  |
| 341                                      | 50       | Unbiased            | 184        | 185.84      | 1.838  |
| 342                                      | 50       | Unbiased            | 186.86     | 188.51      | 1.654  |
| 343                                      | 100      | Bias                | 190.27     | 196.28      | 6.013  |
| 344                                      | 100      | Bias                | 186.59     | 193.29      | 6.705  |
| 345                                      | 100      | Bias                | 185.75     | 191.42      | 5.667  |
| 346                                      | 100      | Bias                | 183.41     | 188.01      | 4.597  |
| 347                                      | 100      | Bias                | 188.51     | 196.45      | 7.94   |
| 348                                      | 100      | Unbiased            | 185.75     | 191.54      | 5.788  |
| 349                                      | 100      | Unbiased            | 185.03     | 189.54      | 4.511  |
| 350                                      | 100      | Unbiased            | 186.41     | 192.72      | 6.311  |
| 351                                      | 100      | Unbiased            | 184.51     | 189.31      | 4.796  |
| 352                                      | 100      | Unbiased            | 194.65     | 203.24      | 8.593  |

Test Statistics (V/μs)

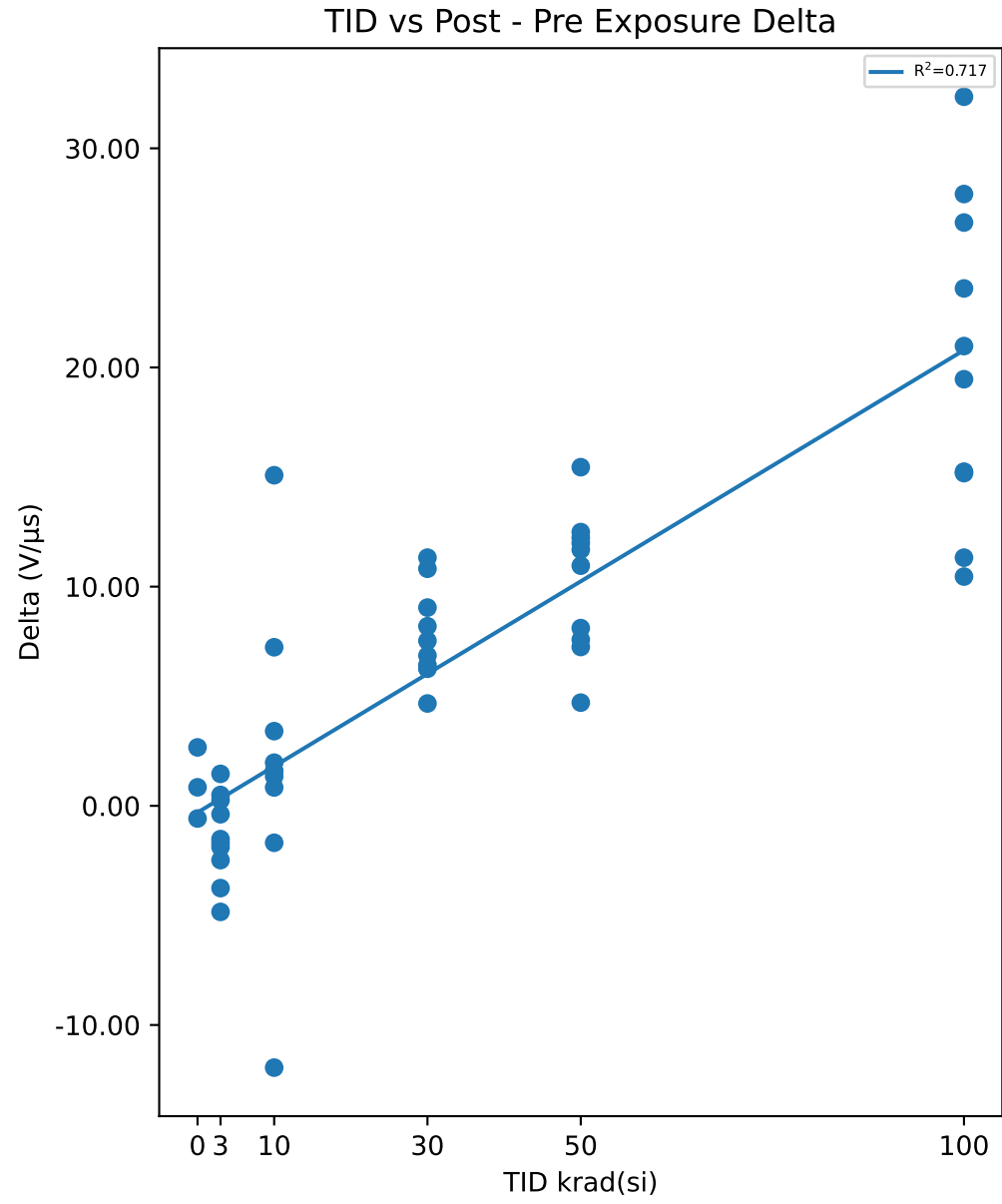
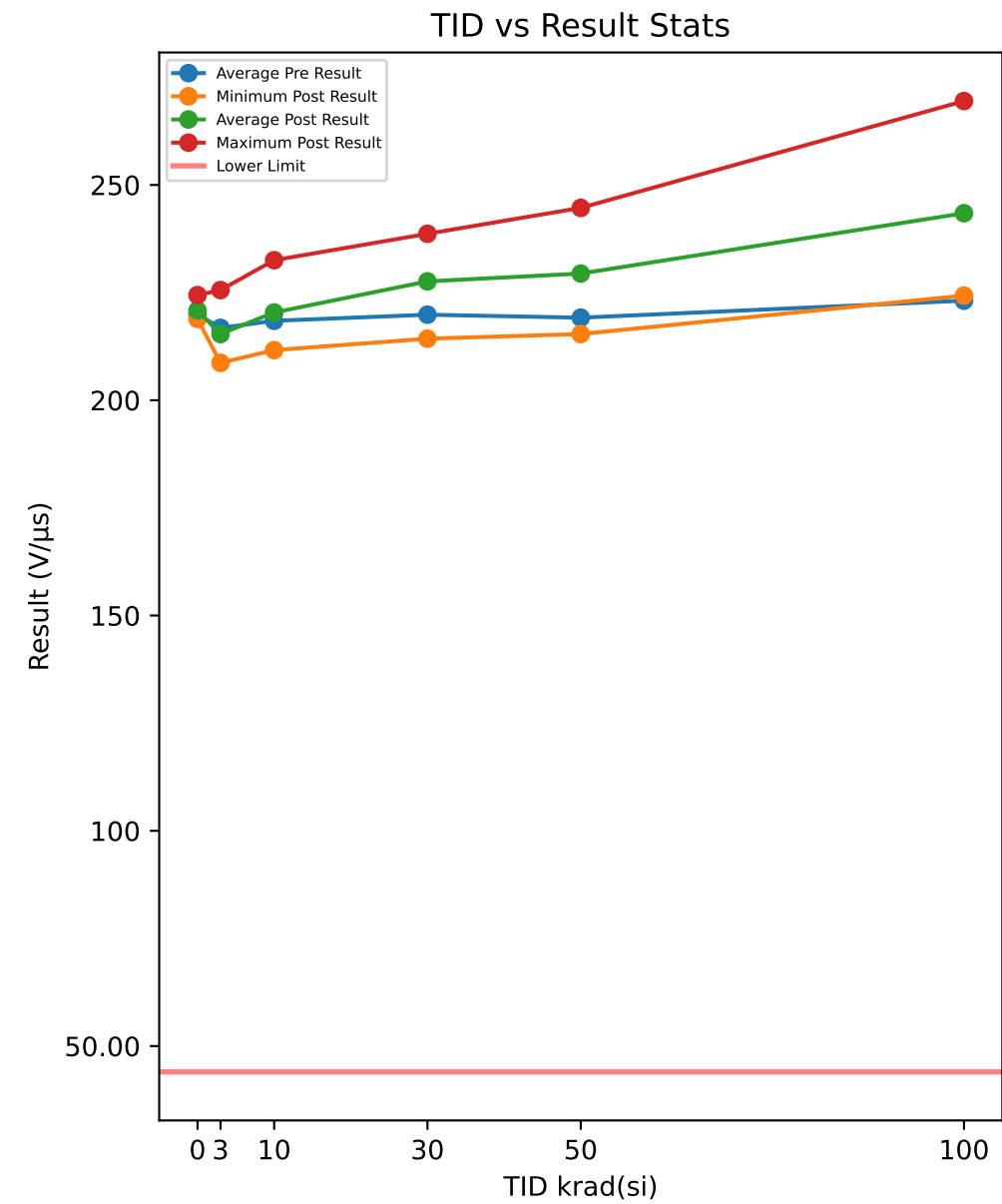
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 182.53           | 185.01           | 188.13           | 2.8569           | 183.01            | 186.28            | 190.7             | 3.9691            | 0.487     | 1.2697    | 2.565     | 1.1299    |
| 3        | 180.72           | 183.67           | 191.37           | 3.024            | 179.98            | 183.18            | 189.62            | 3.076             | -2.511    | -0.496    | 2.074     | 1.9055    |
| 10       | 179.62           | 182.96           | 187.17           | 2.2774           | 181.81            | 184.86            | 188.99            | 2.5322            | 1.186     | 1.895     | 3.413     | 0.67342   |
| 30       | 179.45           | 184.49           | 191.07           | 4.1588           | 181.99            | 188.41            | 196.49            | 4.9482            | 2.436     | 3.9159    | 5.419     | 0.95509   |
| 50       | 179.79           | 185.05           | 194.3            | 4.2361           | 185.31            | 189.24            | 196.97            | 4.1318            | 1.654     | 4.1871    | 6.822     | 1.9744    |
| 100      | 183.41           | 187.09           | 194.65           | 3.299            | 188.01            | 193.18            | 203.24            | 4.5034            | 4.511     | 6.0921    | 8.593     | 1.3657    |



| Test Results (Lower Limit = 44.0 (V/μs)) |          |                     |            |             |        |
|------------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                      | 0        | Correlation         | 208.45     | 208.89      | 0.442  |
| 301                                      | 0        | Correlation         | 209.86     | 210.08      | 0.22   |
| 302                                      | 0        | Correlation         | 213.98     | 213.83      | -0.148 |
| 303                                      | 3        | Bias                | 207.51     | 205.07      | -2.44  |
| 304                                      | 3        | Bias                | 203.5      | 202.64      | -0.857 |
| 305                                      | 3        | Bias                | 215.37     | 213.4       | -1.967 |
| 306                                      | 3        | Bias                | 207.59     | 207.54      | -0.045 |
| 307                                      | 3        | Bias                | 206.42     | 205.69      | -0.736 |
| 308                                      | 3        | Unbiased            | 208.69     | 206.4       | -2.287 |
| 309                                      | 3        | Unbiased            | 206.44     | 206.77      | 0.332  |
| 310                                      | 3        | Unbiased            | 205.13     | 206.39      | 1.263  |
| 311                                      | 3        | Unbiased            | 210.92     | 210.96      | 0.036  |
| 312                                      | 3        | Unbiased            | 210.68     | 210.91      | 0.237  |
| 313                                      | 10       | Bias                | 207.06     | 208.13      | 1.077  |
| 314                                      | 10       | Bias                | 210.65     | 212.02      | 1.367  |
| 315                                      | 10       | Bias                | 210.38     | 211.91      | 1.53   |
| 316                                      | 10       | Bias                | 207.85     | 209.27      | 1.414  |
| 317                                      | 10       | Bias                | 205.93     | 206.06      | 0.137  |
| 318                                      | 10       | Unbiased            | 212.75     | 214.1       | 1.35   |
| 319                                      | 10       | Unbiased            | 205.06     | 205.98      | 0.921  |
| 320                                      | 10       | Unbiased            | 208.32     | 206.98      | -1.338 |
| 321                                      | 10       | Unbiased            | 206.62     | 210.08      | 3.46   |
| 322                                      | 10       | Unbiased            | 203.83     | 205.85      | 2.023  |
| 323                                      | 30       | Bias                | 203.55     | 207.14      | 3.589  |
| 324                                      | 30       | Bias                | 209.63     | 210.52      | 0.886  |
| 325                                      | 30       | Bias                | 215.13     | 218.61      | 3.484  |
| 326                                      | 30       | Bias                | 210.84     | 214.1       | 3.26   |
| 327                                      | 30       | Bias                | 206.94     | 210.26      | 3.32   |
| 328                                      | 30       | Unbiased            | 215.34     | 219.51      | 4.165  |
| 329                                      | 30       | Unbiased            | 203.77     | 207.29      | 3.519  |
| 330                                      | 30       | Unbiased            | 216.85     | 221.86      | 5.009  |
| 331                                      | 30       | Unbiased            | 207.77     | 210.13      | 2.358  |
| 332                                      | 30       | Unbiased            | 211.35     | 214.42      | 3.063  |
| 333                                      | 50       | Bias                | 212.97     | 217.17      | 4.202  |
| 334                                      | 50       | Bias                | 214.77     | 218.21      | 3.436  |
| 335                                      | 50       | Bias                | 203.41     | 209.23      | 5.822  |
| 336                                      | 50       | Bias                | 206.29     | 211.98      | 5.689  |
| 337                                      | 50       | Bias                | 210.22     | 214.5       | 4.282  |
| 338                                      | 50       | Unbiased            | 206.57     | 211.56      | 4.987  |
| 339                                      | 50       | Unbiased            | 221.37     | 223.85      | 2.48   |
| 340                                      | 50       | Unbiased            | 207.63     | 210.57      | 2.939  |
| 341                                      | 50       | Unbiased            | 204.93     | 207.67      | 2.743  |
| 342                                      | 50       | Unbiased            | 210.75     | 214.4       | 3.646  |
| 343                                      | 100      | Bias                | 214.46     | 221.96      | 7.5    |
| 344                                      | 100      | Bias                | 211.32     | 215.83      | 4.513  |
| 345                                      | 100      | Bias                | 207.76     | 214.98      | 7.224  |
| 346                                      | 100      | Bias                | 207.68     | 213.4       | 5.717  |
| 347                                      | 100      | Bias                | 215.26     | 222.03      | 6.775  |
| 348                                      | 100      | Unbiased            | 209.51     | 216.03      | 6.516  |
| 349                                      | 100      | Unbiased            | 208.94     | 213.97      | 5.035  |
| 350                                      | 100      | Unbiased            | 210.64     | 216.56      | 5.919  |
| 351                                      | 100      | Unbiased            | 206.79     | 214.44      | 7.648  |
| 352                                      | 100      | Unbiased            | 219.34     | 228.43      | 9.093  |

Test Statistics (V/μs)

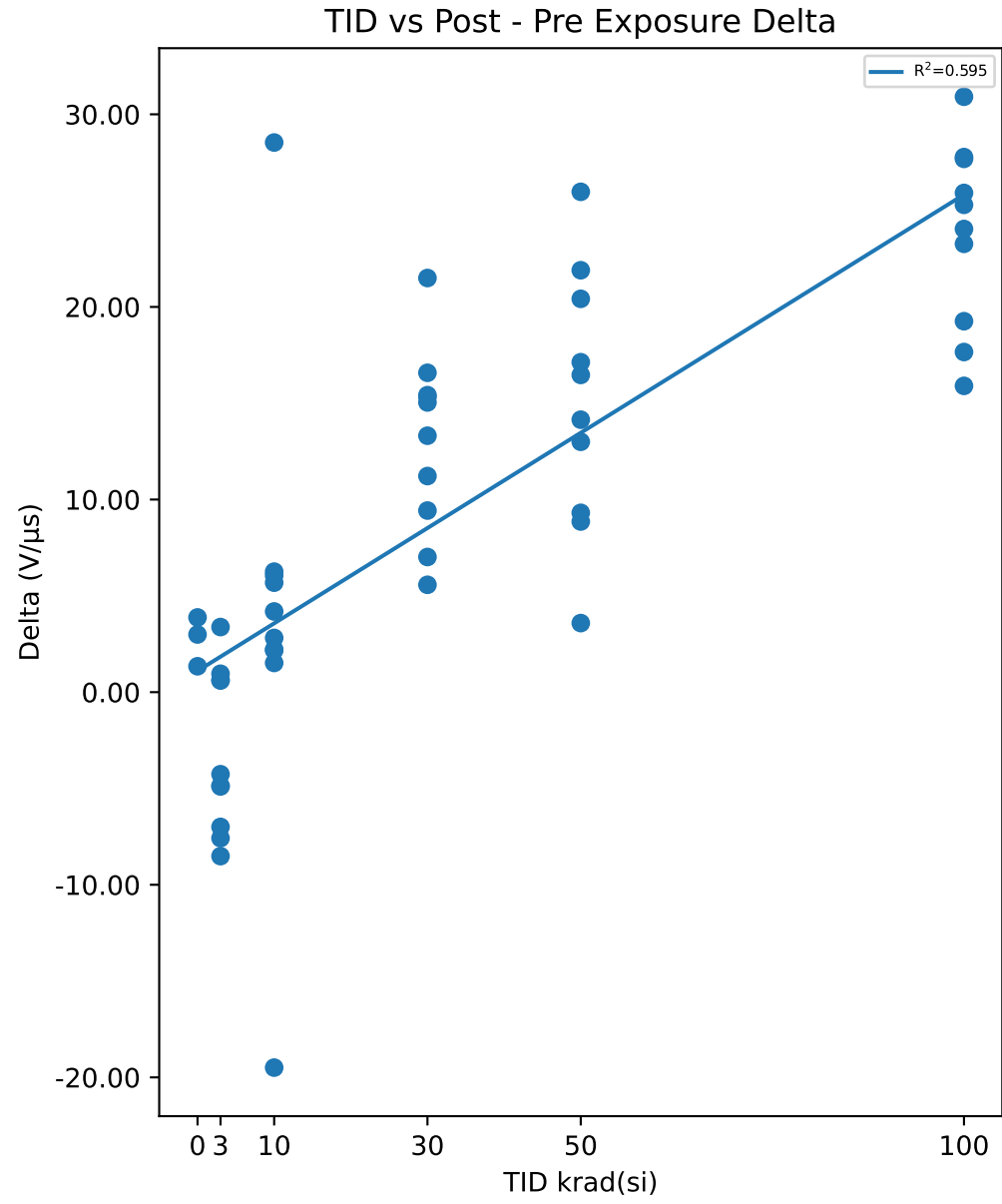
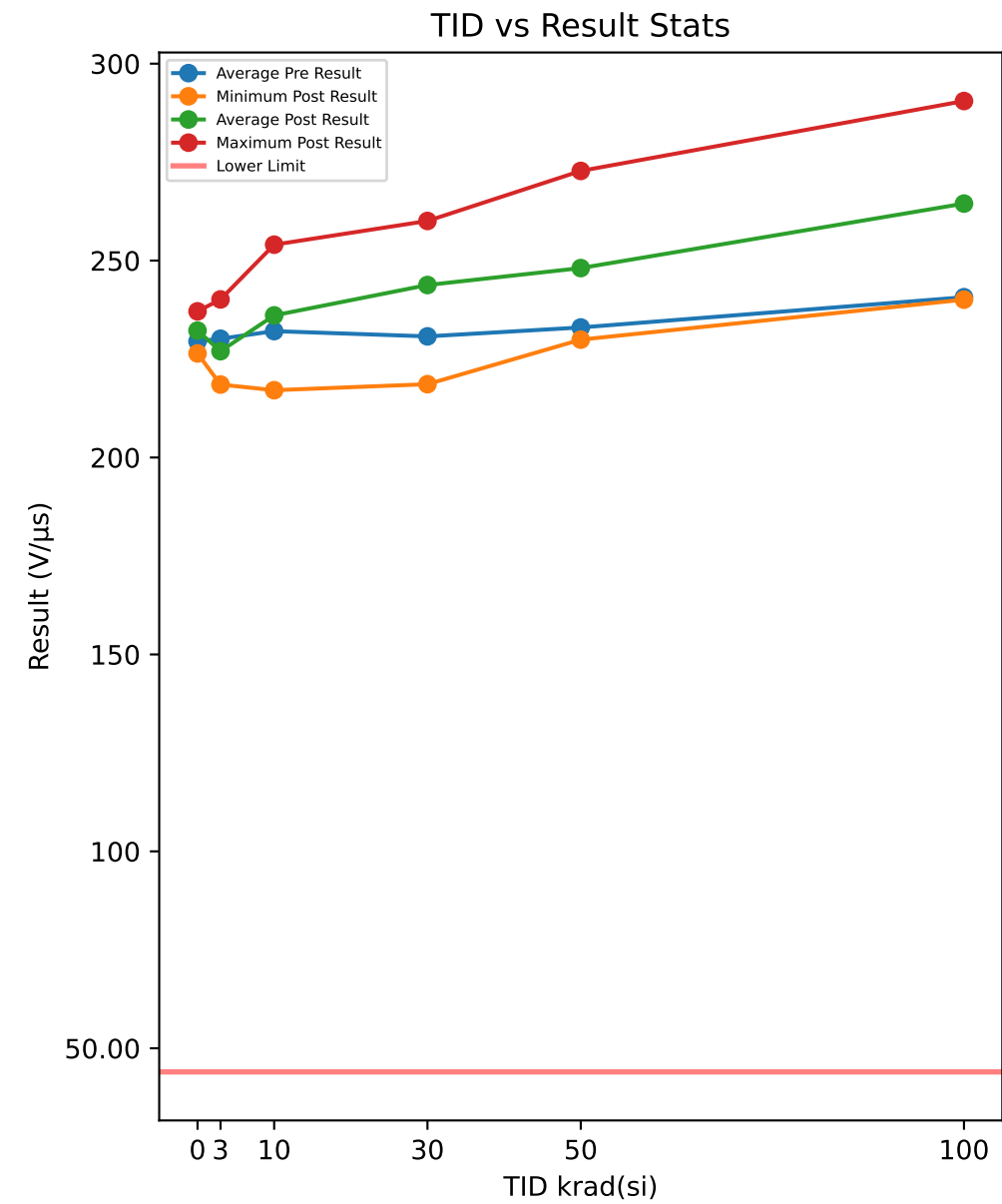
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 208.45           | 210.76           | 213.98           | 2.8743           | 208.89            | 210.93            | 213.83            | 2.5793            | -0.148    | 0.17133   | 0.442     | 0.298     |
| 3        | 203.5            | 208.22           | 215.37           | 3.3952           | 202.64            | 207.58            | 213.4             | 3.2336            | -2.44     | -0.6464   | 1.263     | 1.2435    |
| 10       | 203.83           | 207.84           | 212.75           | 2.754            | 205.85            | 209.04            | 214.1             | 2.9298            | -1.338    | 1.1941    | 3.46      | 1.2317    |
| 30       | 203.55           | 210.12           | 216.85           | 4.7031           | 207.14            | 213.38            | 221.86            | 5.1958            | 0.886     | 3.2653    | 5.009     | 1.085     |
| 50       | 203.41           | 209.89           | 221.37           | 5.3927           | 207.67            | 213.91            | 223.85            | 4.8284            | 2.48      | 4.0226    | 5.822     | 1.1889    |
| 100      | 206.79           | 211.17           | 219.34           | 4.0175           | 213.4             | 217.76            | 228.43            | 4.831             | 4.513     | 6.594     | 9.093     | 1.358     |



| Test Results (Lower Limit = 44.0 (V/μs)) |          |                     |            |             |         |
|------------------------------------------|----------|---------------------|------------|-------------|---------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta   |
| 300                                      | 0        | Correlation         | 219.47     | 218.89      | -0.579  |
| 301                                      | 0        | Correlation         | 218.46     | 219.31      | 0.845   |
| 302                                      | 0        | Correlation         | 221.76     | 224.43      | 2.666   |
| 303                                      | 3        | Bias                | 213.53     | 208.69      | -4.84   |
| 304                                      | 3        | Bias                | 212.46     | 212.08      | -0.385  |
| 305                                      | 3        | Bias                | 225.33     | 225.59      | 0.259   |
| 306                                      | 3        | Bias                | 218.66     | 216.95      | -1.704  |
| 307                                      | 3        | Bias                | 214.07     | 210.32      | -3.754  |
| 308                                      | 3        | Unbiased            | 216.26     | 213.79      | -2.477  |
| 309                                      | 3        | Unbiased            | 215.03     | 213.51      | -1.518  |
| 310                                      | 3        | Unbiased            | 213.75     | 214.25      | 0.497   |
| 311                                      | 3        | Unbiased            | 220.39     | 221.85      | 1.458   |
| 312                                      | 3        | Unbiased            | 218.59     | 216.71      | -1.884  |
| 313                                      | 10       | Bias                | 217.34     | 218.68      | 1.344   |
| 314                                      | 10       | Bias                | 214.67     | 216.25      | 1.579   |
| 315                                      | 10       | Bias                | 223.44     | 230.67      | 7.235   |
| 316                                      | 10       | Bias                | 224.8      | 223.12      | -1.686  |
| 317                                      | 10       | Bias                | 218.69     | 220.66      | 1.969   |
| 318                                      | 10       | Unbiased            | 220.09     | 220.93      | 0.838   |
| 319                                      | 10       | Unbiased            | 210.41     | 212         | 1.594   |
| 320                                      | 10       | Unbiased            | 217.44     | 232.53      | 15.083  |
| 321                                      | 10       | Unbiased            | 229.35     | 217.41      | -11.945 |
| 322                                      | 10       | Unbiased            | 208.23     | 211.64      | 3.407   |
| 323                                      | 30       | Bias                | 208.01     | 214.3       | 6.29    |
| 324                                      | 30       | Bias                | 214.5      | 219.18      | 4.67    |
| 325                                      | 30       | Bias                | 220.51     | 228.04      | 7.53    |
| 326                                      | 30       | Bias                | 222.45     | 231.5       | 9.045   |
| 327                                      | 30       | Bias                | 221.44     | 232.76      | 11.324  |
| 328                                      | 30       | Unbiased            | 229.63     | 236.06      | 6.426   |
| 329                                      | 30       | Unbiased            | 216.08     | 222.34      | 6.254   |
| 330                                      | 30       | Unbiased            | 230.47     | 238.66      | 8.193   |
| 331                                      | 30       | Unbiased            | 218.9      | 229.72      | 10.816  |
| 332                                      | 30       | Unbiased            | 216.66     | 223.52      | 6.856   |
| 333                                      | 50       | Bias                | 229.23     | 244.68      | 15.451  |
| 334                                      | 50       | Bias                | 223.36     | 235.04      | 11.684  |
| 335                                      | 50       | Bias                | 213.14     | 220.72      | 7.582   |
| 336                                      | 50       | Bias                | 217.49     | 229.98      | 12.49   |
| 337                                      | 50       | Bias                | 225.04     | 237.03      | 11.99   |
| 338                                      | 50       | Unbiased            | 211.76     | 222.71      | 10.957  |
| 339                                      | 50       | Unbiased            | 231.53     | 243.77      | 12.233  |
| 340                                      | 50       | Unbiased            | 210.66     | 215.37      | 4.708   |
| 341                                      | 50       | Unbiased            | 214.41     | 222.52      | 8.109   |
| 342                                      | 50       | Unbiased            | 215.14     | 222.39      | 7.247   |
| 343                                      | 100      | Bias                | 229.26     | 261.62      | 32.353  |
| 344                                      | 100      | Bias                | 227.11     | 250.72      | 23.606  |
| 345                                      | 100      | Bias                | 218.09     | 233.34      | 15.247  |
| 346                                      | 100      | Bias                | 216.69     | 231.87      | 15.179  |
| 347                                      | 100      | Bias                | 242.88     | 269.49      | 26.613  |
| 348                                      | 100      | Unbiased            | 215.33     | 234.8       | 19.464  |
| 349                                      | 100      | Unbiased            | 223.37     | 233.83      | 10.46   |
| 350                                      | 100      | Unbiased            | 216.41     | 237.39      | 20.977  |
| 351                                      | 100      | Unbiased            | 212.98     | 224.31      | 11.322  |
| 352                                      | 100      | Unbiased            | 229.09     | 257         | 27.914  |

Test Statistics (V/μs)

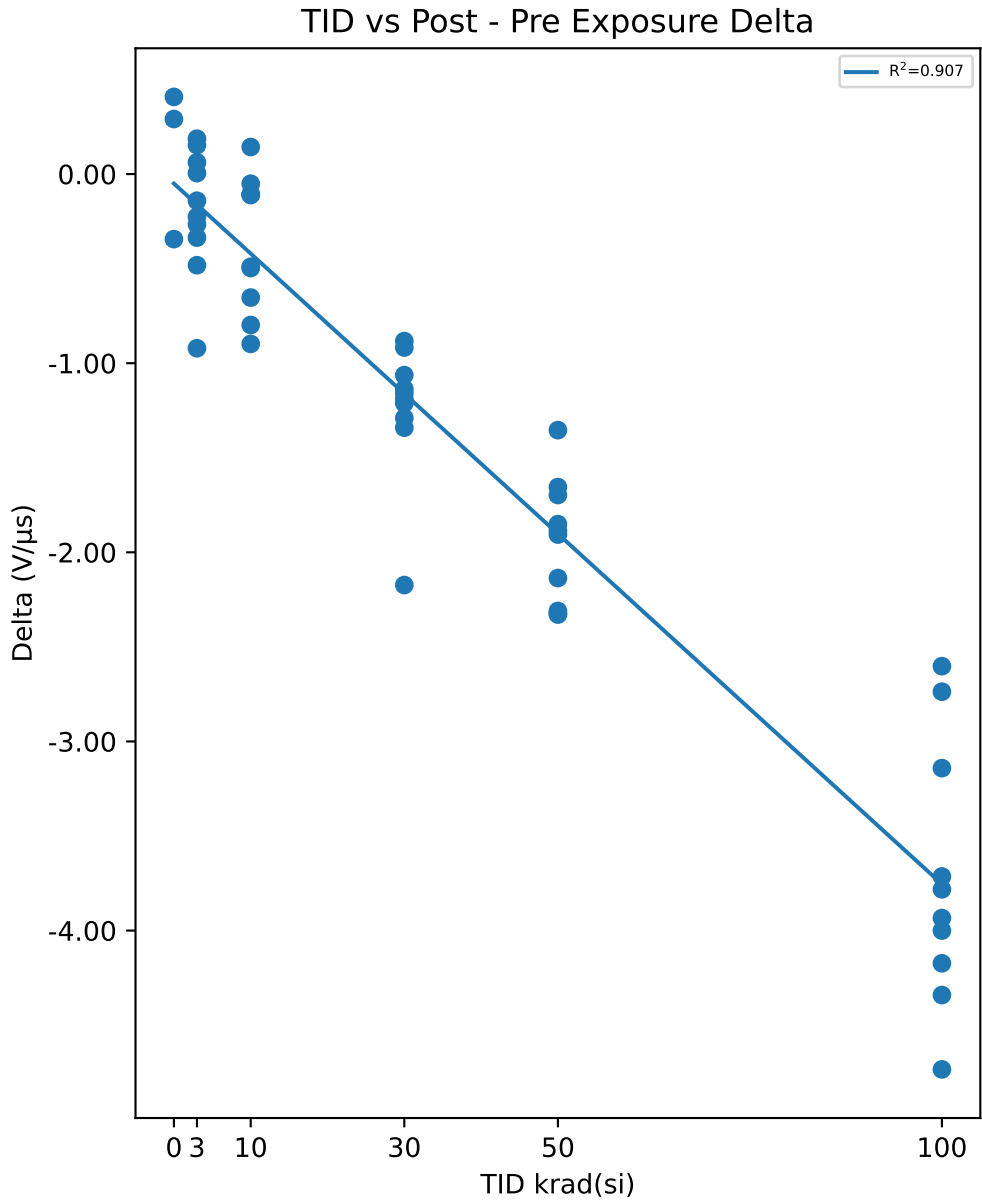
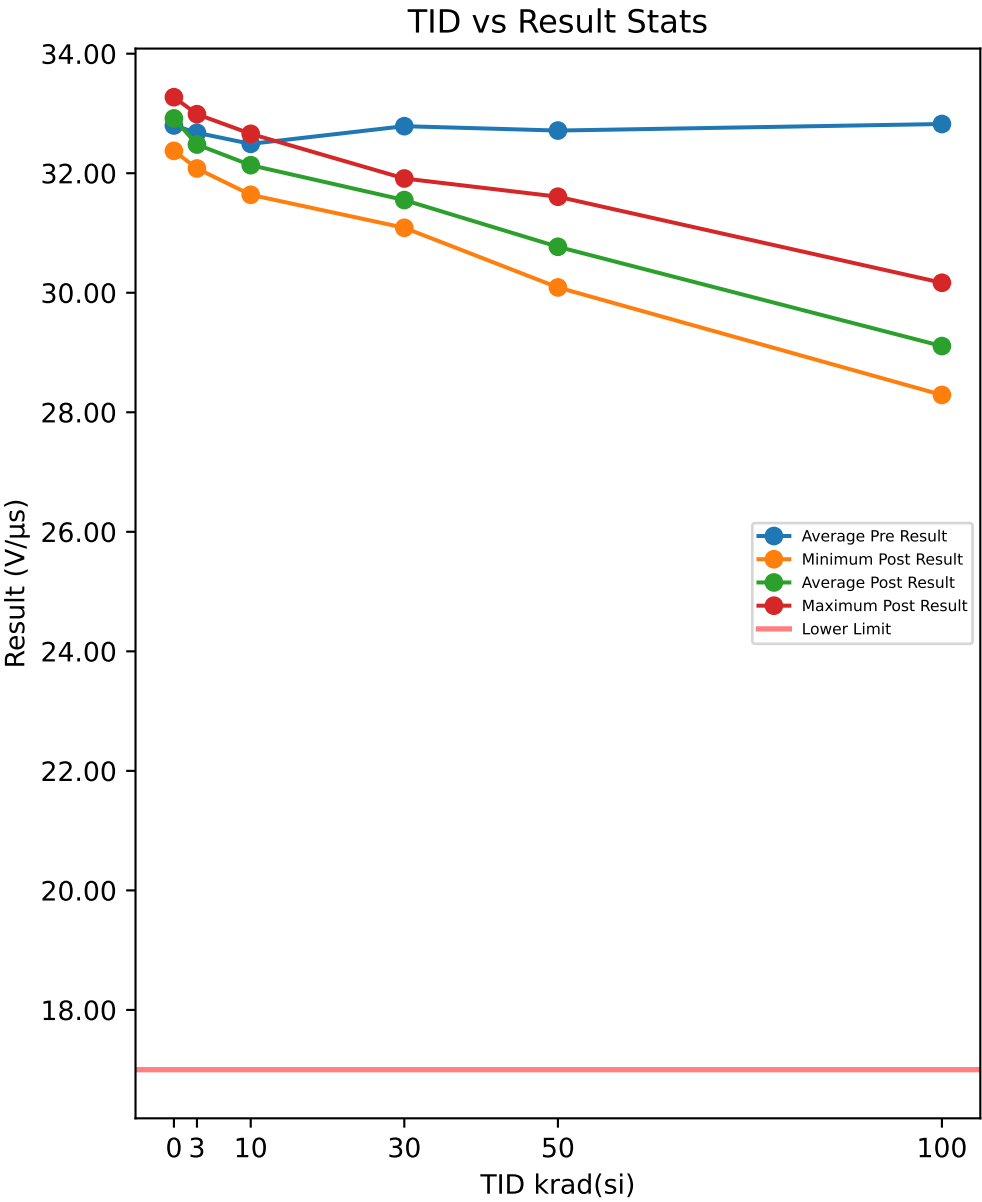
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 218.46           | 219.89           | 221.76           | 1.6915           | 218.89            | 220.87            | 224.43            | 3.0847            | -0.579    | 0.97733   | 2.666     | 1.6265    |
| 3        | 212.46           | 216.81           | 225.33           | 3.9726           | 208.69            | 215.37            | 225.59            | 5.1529            | -4.84     | -1.4348   | 1.458     | 1.9554    |
| 10       | 208.23           | 218.45           | 229.35           | 6.433            | 211.64            | 220.39            | 232.53            | 6.9655            | -11.945   | 1.9418    | 15.083    | 6.7552    |
| 30       | 208.01           | 219.87           | 230.47           | 6.7666           | 214.3             | 227.61            | 238.66            | 7.6923            | 4.67      | 7.7404    | 11.324    | 2.1214    |
| 50       | 210.66           | 219.18           | 231.53           | 7.539            | 215.37            | 229.42            | 244.68            | 10.24             | 4.708     | 10.245    | 15.451    | 3.2149    |
| 100      | 212.98           | 223.12           | 242.88           | 9.1587           | 224.31            | 243.44            | 269.49            | 15.099            | 10.46     | 20.313    | 32.353    | 7.3362    |



| Test Results (Lower Limit = 44.0 (V/μs)) |          |                     |            |             |         |
|------------------------------------------|----------|---------------------|------------|-------------|---------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta   |
| 300                                      | 0        | Correlation         | 225.08     | 226.43      | 1.344   |
| 301                                      | 0        | Correlation         | 229.28     | 233.16      | 3.879   |
| 302                                      | 0        | Correlation         | 234.12     | 237.11      | 2.994   |
| 303                                      | 3        | Bias                | 224.3      | 219.4       | -4.895  |
| 304                                      | 3        | Bias                | 225.52     | 218.52      | -6.996  |
| 305                                      | 3        | Bias                | 248.65     | 240.14      | -8.513  |
| 306                                      | 3        | Bias                | 229.74     | 224.88      | -4.86   |
| 307                                      | 3        | Bias                | 225.35     | 221.09      | -4.26   |
| 308                                      | 3        | Unbiased            | 233.69     | 226.12      | -7.579  |
| 309                                      | 3        | Unbiased            | 225.27     | 225.88      | 0.606   |
| 310                                      | 3        | Unbiased            | 226.38     | 227.33      | 0.955   |
| 311                                      | 3        | Unbiased            | 231.72     | 235.1       | 3.38    |
| 312                                      | 3        | Unbiased            | 230.92     | 231.54      | 0.621   |
| 313                                      | 10       | Bias                | 228.65     | 234.9       | 6.257   |
| 314                                      | 10       | Bias                | 229.26     | 231.48      | 2.214   |
| 315                                      | 10       | Bias                | 247.98     | 254.04      | 6.058   |
| 316                                      | 10       | Bias                | 239.08     | 241.25      | 2.174   |
| 317                                      | 10       | Bias                | 230.61     | 236.29      | 5.684   |
| 318                                      | 10       | Unbiased            | 244.84     | 246.35      | 1.517   |
| 319                                      | 10       | Unbiased            | 214.27     | 217.09      | 2.816   |
| 320                                      | 10       | Unbiased            | 223.46     | 251.99      | 28.535  |
| 321                                      | 10       | Unbiased            | 247.27     | 227.78      | -19.493 |
| 322                                      | 10       | Unbiased            | 215.5      | 219.68      | 4.189   |
| 323                                      | 30       | Bias                | 213.04     | 218.61      | 5.573   |
| 324                                      | 30       | Bias                | 223.85     | 230.87      | 7.017   |
| 325                                      | 30       | Bias                | 235.57     | 257.07      | 21.501  |
| 326                                      | 30       | Bias                | 237.87     | 249.09      | 11.219  |
| 327                                      | 30       | Bias                | 234.57     | 249.9       | 15.33   |
| 328                                      | 30       | Unbiased            | 238.79     | 254.21      | 15.419  |
| 329                                      | 30       | Unbiased            | 222.44     | 231.87      | 9.428   |
| 330                                      | 30       | Unbiased            | 245.02     | 260.06      | 15.04   |
| 331                                      | 30       | Unbiased            | 226.82     | 243.4       | 16.58   |
| 332                                      | 30       | Unbiased            | 229.58     | 242.89      | 13.313  |
| 333                                      | 50       | Bias                | 259.77     | 272.76      | 12.998  |
| 334                                      | 50       | Bias                | 238        | 255.13      | 17.13   |
| 335                                      | 50       | Bias                | 220.8      | 242.7       | 21.904  |
| 336                                      | 50       | Bias                | 223.69     | 249.67      | 25.976  |
| 337                                      | 50       | Bias                | 238.09     | 258.51      | 20.42   |
| 338                                      | 50       | Unbiased            | 216.87     | 231.02      | 14.145  |
| 339                                      | 50       | Unbiased            | 253.85     | 257.44      | 3.586   |
| 340                                      | 50       | Unbiased            | 220.62     | 229.93      | 9.31    |
| 341                                      | 50       | Unbiased            | 225.69     | 234.55      | 8.859   |
| 342                                      | 50       | Unbiased            | 232.8      | 249.27      | 16.469  |
| 343                                      | 100      | Bias                | 271.25     | 287.15      | 15.901  |
| 344                                      | 100      | Bias                | 245.49     | 271.41      | 25.918  |
| 345                                      | 100      | Bias                | 230.1      | 261.01      | 30.912  |
| 346                                      | 100      | Bias                | 227.18     | 252.48      | 25.3    |
| 347                                      | 100      | Bias                | 262.82     | 290.51      | 27.687  |
| 348                                      | 100      | Unbiased            | 232.78     | 260.56      | 27.78   |
| 349                                      | 100      | Unbiased            | 226.97     | 244.63      | 17.658  |
| 350                                      | 100      | Unbiased            | 226.17     | 249.45      | 23.275  |
| 351                                      | 100      | Unbiased            | 220.82     | 240.08      | 19.258  |
| 352                                      | 100      | Unbiased            | 263.39     | 287.43      | 24.046  |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 225.08           | 229.49           | 234.12           | 4.5213           | 226.43            | 232.23            | 237.11            | 5.4025            | 1.344     | 2.739     | 3.879     | 1.2866    |
| 3        | 224.3            | 230.15           | 248.65           | 7.2632           | 218.52            | 227               | 240.14            | 6.9114            | -8.513    | -3.1541   | 3.38      | 4.1925    |
| 10       | 214.27           | 232.09           | 247.98           | 12.399           | 217.09            | 236.09            | 254.04            | 12.601            | -19.493   | 3.9951    | 28.535    | 11.451    |
| 30       | 213.04           | 230.76           | 245.02           | 9.4507           | 218.61            | 243.8             | 260.06            | 13.161            | 5.573     | 13.042    | 21.501    | 4.8015    |
| 50       | 216.87           | 233.02           | 259.77           | 14.547           | 229.93            | 248.1             | 272.76            | 13.711            | 3.586     | 15.08     | 25.976    | 6.7433    |
| 100      | 220.82           | 240.7            | 271.25           | 18.597           | 240.08            | 264.47            | 290.51            | 18.717            | 15.901    | 23.773    | 30.912    | 4.8229    |

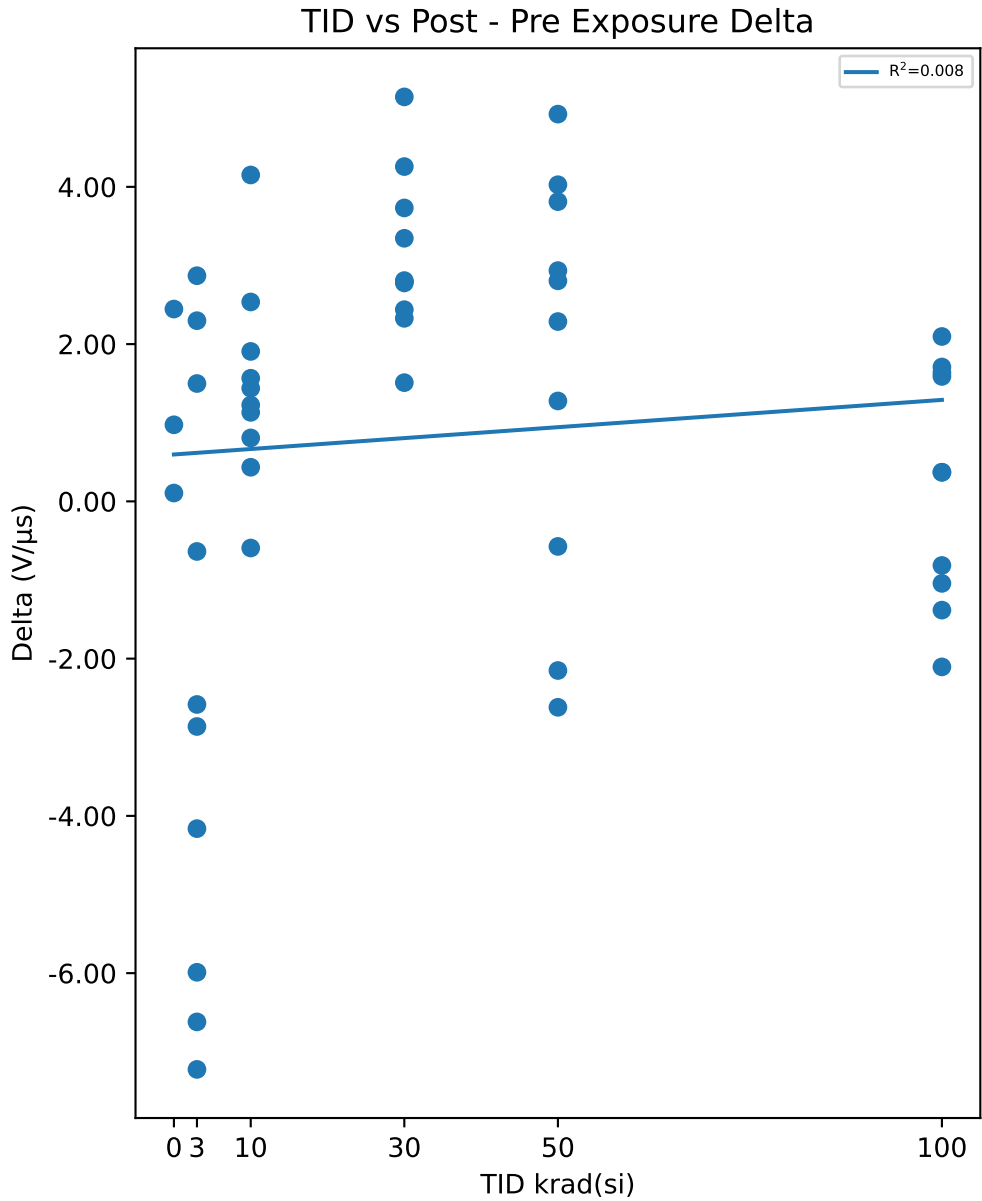
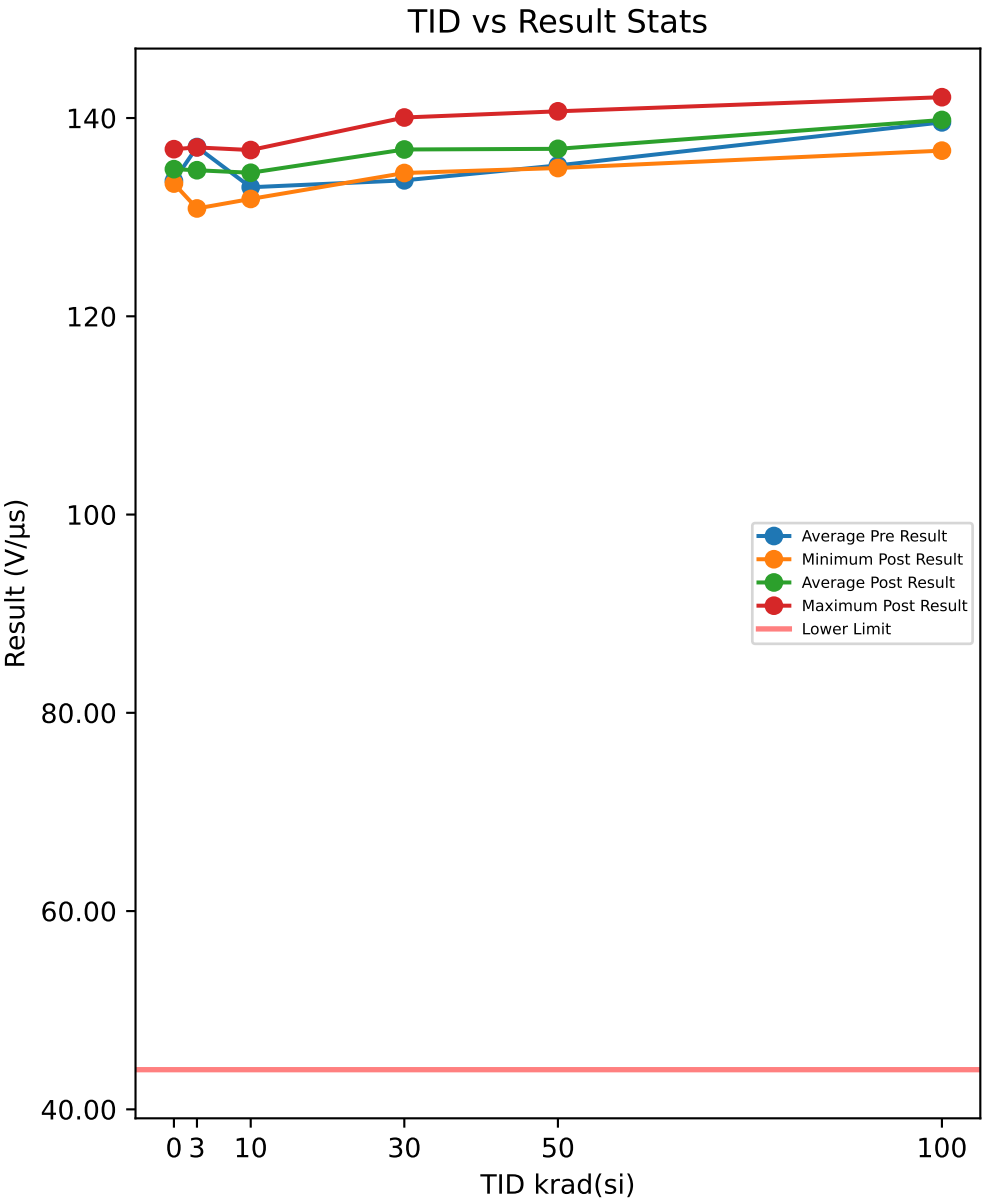


| Test Results (Lower Limit = 17.0 (V/μs)) |          |                     |            |             |        |
|------------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                      | 0        | Correlation         | 32.864     | 33.272      | 0.408  |
| 301                                      | 0        | Correlation         | 33.45      | 33.106      | -0.344 |
| 302                                      | 0        | Correlation         | 32.083     | 32.374      | 0.291  |
| 303                                      | 3        | Bias                | 32.358     | 32.132      | -0.226 |
| 304                                      | 3        | Bias                | 32.634     | 32.152      | -0.482 |
| 305                                      | 3        | Bias                | 32.791     | 32.978      | 0.187  |
| 306                                      | 3        | Bias                | 32.55      | 32.703      | 0.153  |
| 307                                      | 3        | Bias                | 32.345     | 32.079      | -0.266 |
| 308                                      | 3        | Unbiased            | 33.129     | 32.208      | -0.921 |
| 309                                      | 3        | Unbiased            | 32.537     | 32.599      | 0.062  |
| 310                                      | 3        | Unbiased            | 32.403     | 32.262      | -0.141 |
| 311                                      | 3        | Unbiased            | 32.983     | 32.988      | 0.005  |
| 312                                      | 3        | Unbiased            | 33.036     | 32.7        | -0.336 |
| 313                                      | 10       | Bias                | 32.26      | 32.209      | -0.051 |
| 314                                      | 10       | Bias                | 32.766     | 32.659      | -0.107 |
| 315                                      | 10       | Bias                | 32.129     | 31.639      | -0.49  |
| 316                                      | 10       | Bias                | 33.002     | 32.349      | -0.653 |
| 317                                      | 10       | Bias                | 32.454     | 31.957      | -0.497 |
| 318                                      | 10       | Unbiased            | 32.292     | 32.435      | 0.143  |
| 319                                      | 10       | Unbiased            | 32.192     | 32.085      | -0.107 |
| 320                                      | 10       | Unbiased            | 32.246     | 32.135      | -0.111 |
| 321                                      | 10       | Unbiased            | 32.728     | 31.93       | -0.798 |
| 322                                      | 10       | Unbiased            | 32.843     | 31.945      | -0.898 |
| 323                                      | 30       | Bias                | 32.073     | 31.156      | -0.917 |
| 324                                      | 30       | Bias                | 33.168     | 31.878      | -1.29  |
| 325                                      | 30       | Bias                | 32.15      | 31.087      | -1.063 |
| 326                                      | 30       | Bias                | 32.938     | 31.778      | -1.16  |
| 327                                      | 30       | Bias                | 32.774     | 31.638      | -1.136 |
| 328                                      | 30       | Unbiased            | 32.773     | 31.89       | -0.883 |
| 329                                      | 30       | Unbiased            | 32.961     | 31.62       | -1.341 |
| 330                                      | 30       | Unbiased            | 34.085     | 31.912      | -2.173 |
| 331                                      | 30       | Unbiased            | 32.639     | 31.451      | -1.188 |
| 332                                      | 30       | Unbiased            | 32.31      | 31.098      | -1.212 |
| 333                                      | 50       | Bias                | 33.267     | 31.361      | -1.906 |
| 334                                      | 50       | Bias                | 32.452     | 30.601      | -1.851 |
| 335                                      | 50       | Bias                | 32.615     | 30.291      | -2.324 |
| 336                                      | 50       | Bias                | 32.5       | 30.364      | -2.136 |
| 337                                      | 50       | Bias                | 31.974     | 30.089      | -1.885 |
| 338                                      | 50       | Unbiased            | 32.961     | 31.607      | -1.354 |
| 339                                      | 50       | Unbiased            | 32.836     | 31.181      | -1.655 |
| 340                                      | 50       | Unbiased            | 32.766     | 30.437      | -2.329 |
| 341                                      | 50       | Unbiased            | 33.216     | 30.906      | -2.31  |
| 342                                      | 50       | Unbiased            | 32.551     | 30.854      | -1.697 |
| 343                                      | 100      | Bias                | 33.236     | 29.522      | -3.714 |
| 344                                      | 100      | Bias                | 32.743     | 28.809      | -3.934 |
| 345                                      | 100      | Bias                | 33.123     | 28.95       | -4.173 |
| 346                                      | 100      | Bias                | 32.631     | 28.29       | -4.341 |
| 347                                      | 100      | Bias                | 33.348     | 28.614      | -4.734 |
| 348                                      | 100      | Unbiased            | 32.318     | 29.177      | -3.141 |
| 349                                      | 100      | Unbiased            | 32.621     | 29.884      | -2.737 |
| 350                                      | 100      | Unbiased            | 32.905     | 29.123      | -3.782 |
| 351                                      | 100      | Unbiased            | 32.541     | 28.541      | -4     |
| 352                                      | 100      | Unbiased            | 32.769     | 30.167      | -2.602 |

Test Statistics (V/μs)

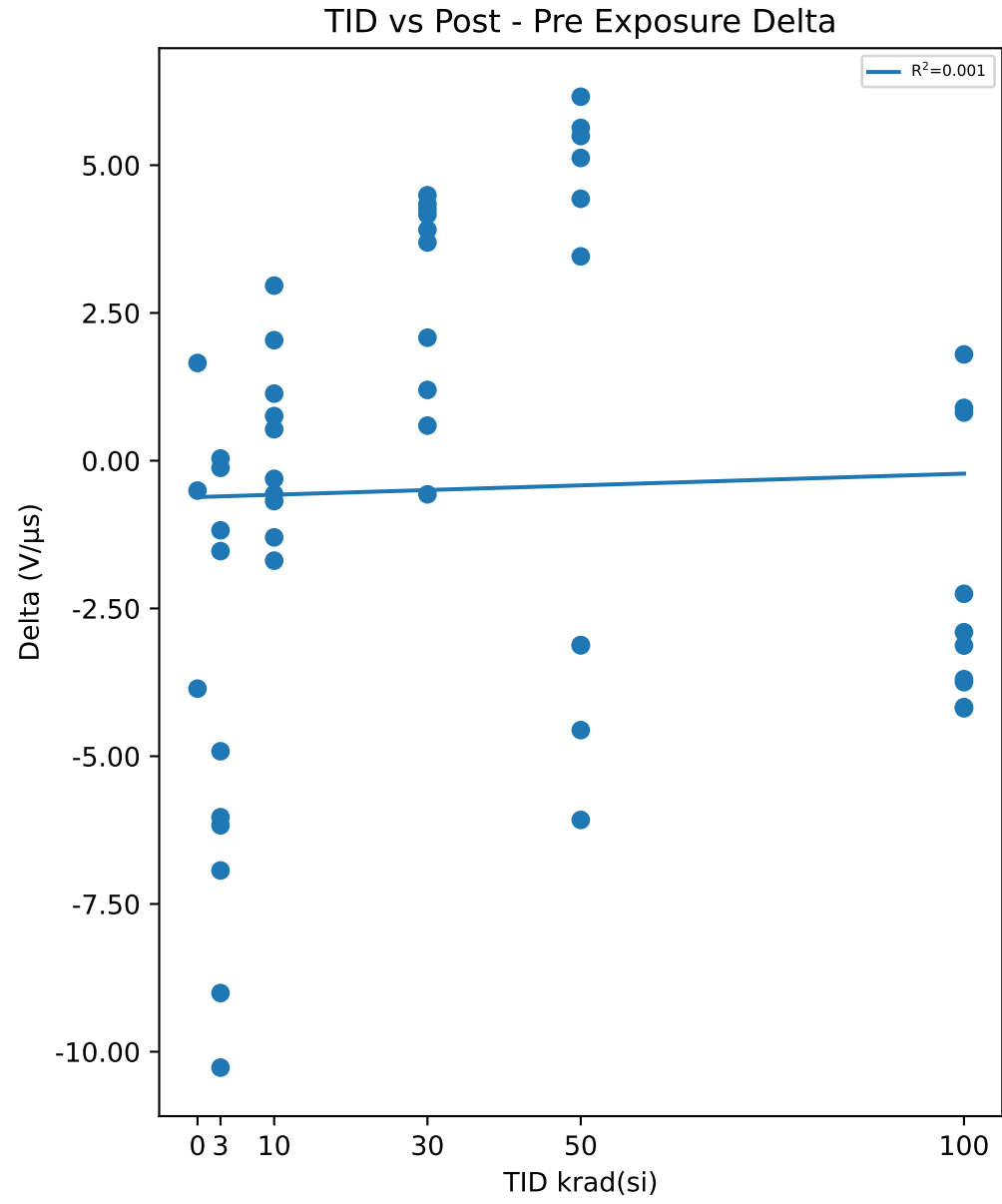
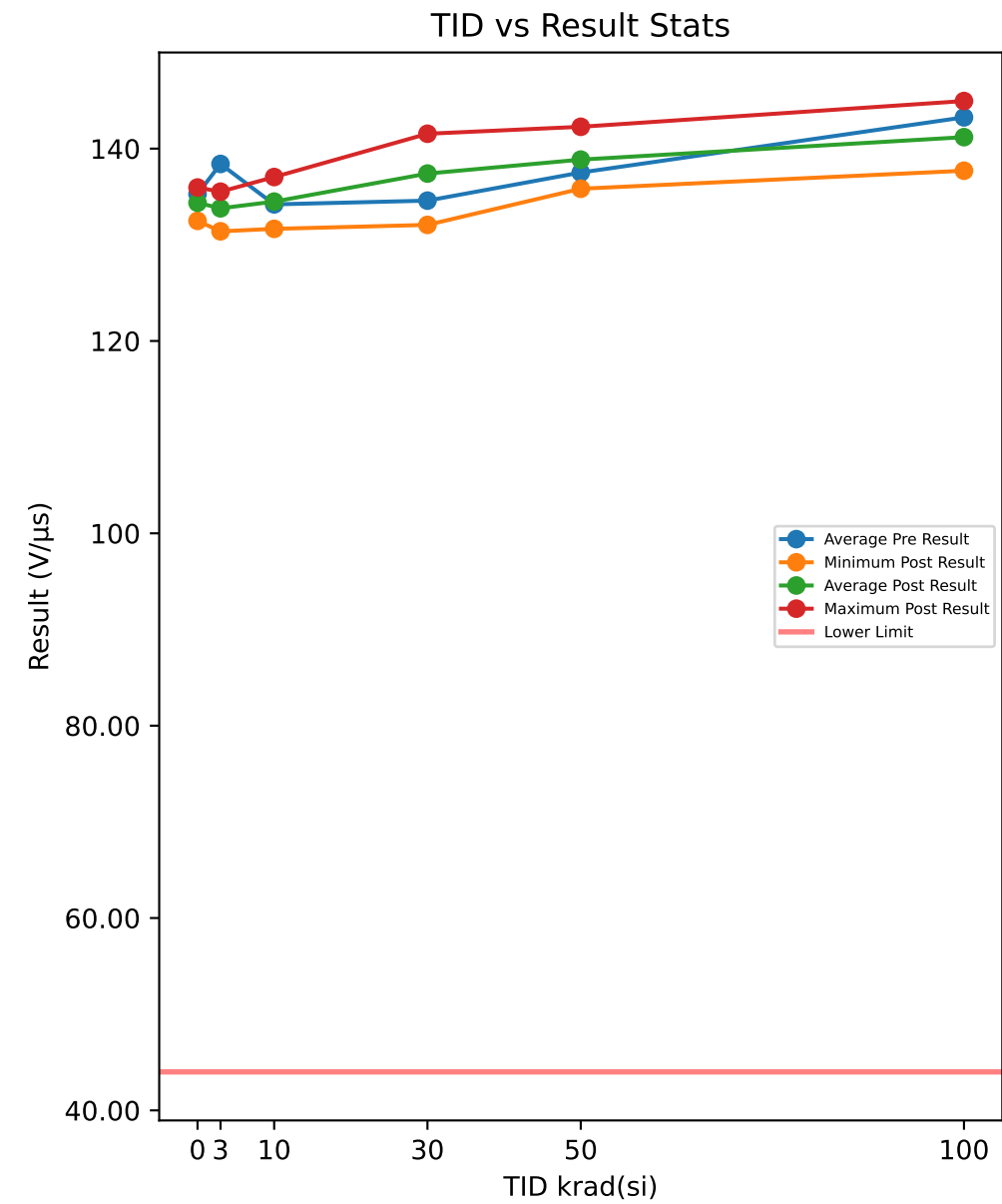
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 32.083           | 32.799           | 33.45            | 0.68581          | 32.374            | 32.917            | 33.272            | 0.4778            | -0.344    | 0.11833   | 0.408     | 0.40464   |
| 3        | 32.345           | 32.677           | 33.129           | 0.29144          | 32.079            | 32.48             | 32.988            | 0.35424           | -0.921    | -0.1965   | 0.187     | 0.33521   |
| 10       | 32.129           | 32.491           | 33.002           | 0.31475          | 31.639            | 32.134            | 32.659            | 0.29329           | -0.898    | -0.3569   | 0.143     | 0.35609   |
| 30       | 32.073           | 32.787           | 34.085           | 0.58199          | 31.087            | 31.551            | 31.912            | 0.33376           | -2.173    | -1.2363   | -0.883    | 0.36007   |
| 50       | 31.974           | 32.714           | 33.267           | 0.38511          | 30.089            | 30.769            | 31.607            | 0.49909           | -2.329    | -1.9447   | -1.354    | 0.32824   |
| 100      | 32.318           | 32.824           | 33.348           | 0.32735          | 28.29             | 29.108            | 30.167            | 0.60084           | -4.734    | -3.7158   | -2.602    | 0.69109   |





| Test Results (Lower Limit = 44.0 (V/μs)) |          |                     |            |             |        |
|------------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                      | 0        | Correlation         | 131.83     | 134.28      | 2.446  |
| 301                                      | 0        | Correlation         | 136.75     | 136.86      | 0.106  |
| 302                                      | 0        | Correlation         | 132.42     | 133.39      | 0.974  |
| 303                                      | 3        | Bias                | 141.2      | 135.21      | -5.989 |
| 304                                      | 3        | Bias                | 137.5      | 130.88      | -6.62  |
| 305                                      | 3        | Bias                | 140.48     | 136.32      | -4.162 |
| 306                                      | 3        | Bias                | 139.09     | 136.23      | -2.863 |
| 307                                      | 3        | Bias                | 138.56     | 135.97      | -2.583 |
| 308                                      | 3        | Unbiased            | 140        | 132.78      | -7.224 |
| 309                                      | 3        | Unbiased            | 130        | 132.87      | 2.87   |
| 310                                      | 3        | Unbiased            | 133.52     | 135.02      | 1.499  |
| 311                                      | 3        | Unbiased            | 135.66     | 135.02      | -0.637 |
| 312                                      | 3        | Unbiased            | 134.74     | 137.03      | 2.298  |
| 313                                      | 10       | Bias                | 135.02     | 135.83      | 0.807  |
| 314                                      | 10       | Bias                | 129.9      | 134.05      | 4.151  |
| 315                                      | 10       | Bias                | 133.75     | 136.29      | 2.536  |
| 316                                      | 10       | Bias                | 133.26     | 133.69      | 0.434  |
| 317                                      | 10       | Bias                | 133.18     | 135.09      | 1.907  |
| 318                                      | 10       | Unbiased            | 135.2      | 136.77      | 1.566  |
| 319                                      | 10       | Unbiased            | 132.99     | 134.12      | 1.132  |
| 320                                      | 10       | Unbiased            | 132.43     | 131.84      | -0.593 |
| 321                                      | 10       | Unbiased            | 133.26     | 134.49      | 1.225  |
| 322                                      | 10       | Unbiased            | 131.16     | 132.6       | 1.439  |
| 323                                      | 30       | Bias                | 132.61     | 135.39      | 2.778  |
| 324                                      | 30       | Bias                | 133.11     | 135.44      | 2.328  |
| 325                                      | 30       | Bias                | 132.06     | 137.21      | 5.144  |
| 326                                      | 30       | Bias                | 134.42     | 138.68      | 4.258  |
| 327                                      | 30       | Bias                | 133.19     | 136.92      | 3.732  |
| 328                                      | 30       | Unbiased            | 134.12     | 136.91      | 2.795  |
| 329                                      | 30       | Unbiased            | 132.02     | 134.45      | 2.438  |
| 330                                      | 30       | Unbiased            | 137.25     | 140.05      | 2.808  |
| 331                                      | 30       | Unbiased            | 133.7      | 137.05      | 3.346  |
| 332                                      | 30       | Unbiased            | 134.65     | 136.16      | 1.51   |
| 333                                      | 50       | Bias                | 135.75     | 140.68      | 4.925  |
| 334                                      | 50       | Bias                | 132.28     | 136.31      | 4.027  |
| 335                                      | 50       | Bias                | 133.5      | 136.44      | 2.935  |
| 336                                      | 50       | Bias                | 133.86     | 137.67      | 3.812  |
| 337                                      | 50       | Bias                | 132.15     | 134.96      | 2.805  |
| 338                                      | 50       | Unbiased            | 133.71     | 135.99      | 2.287  |
| 339                                      | 50       | Unbiased            | 140.77     | 140.2       | -0.573 |
| 340                                      | 50       | Unbiased            | 134.35     | 135.62      | 1.277  |
| 341                                      | 50       | Unbiased            | 138.43     | 135.81      | -2.619 |
| 342                                      | 50       | Unbiased            | 137.4      | 135.25      | -2.151 |
| 343                                      | 100      | Bias                | 137.55     | 139.26      | 1.709  |
| 344                                      | 100      | Bias                | 139.23     | 137.84      | -1.383 |
| 345                                      | 100      | Bias                | 139.5      | 141.14      | 1.637  |
| 346                                      | 100      | Bias                | 141.73     | 142.1       | 0.37   |
| 347                                      | 100      | Bias                | 138.81     | 136.71      | -2.105 |
| 348                                      | 100      | Unbiased            | 138.54     | 138.92      | 0.371  |
| 349                                      | 100      | Unbiased            | 137.89     | 139.99      | 2.097  |
| 350                                      | 100      | Unbiased            | 142.35     | 141.31      | -1.043 |
| 351                                      | 100      | Unbiased            | 139.69     | 138.88      | -0.815 |
| 352                                      | 100      | Unbiased            | 140.32     | 141.91      | 1.589  |

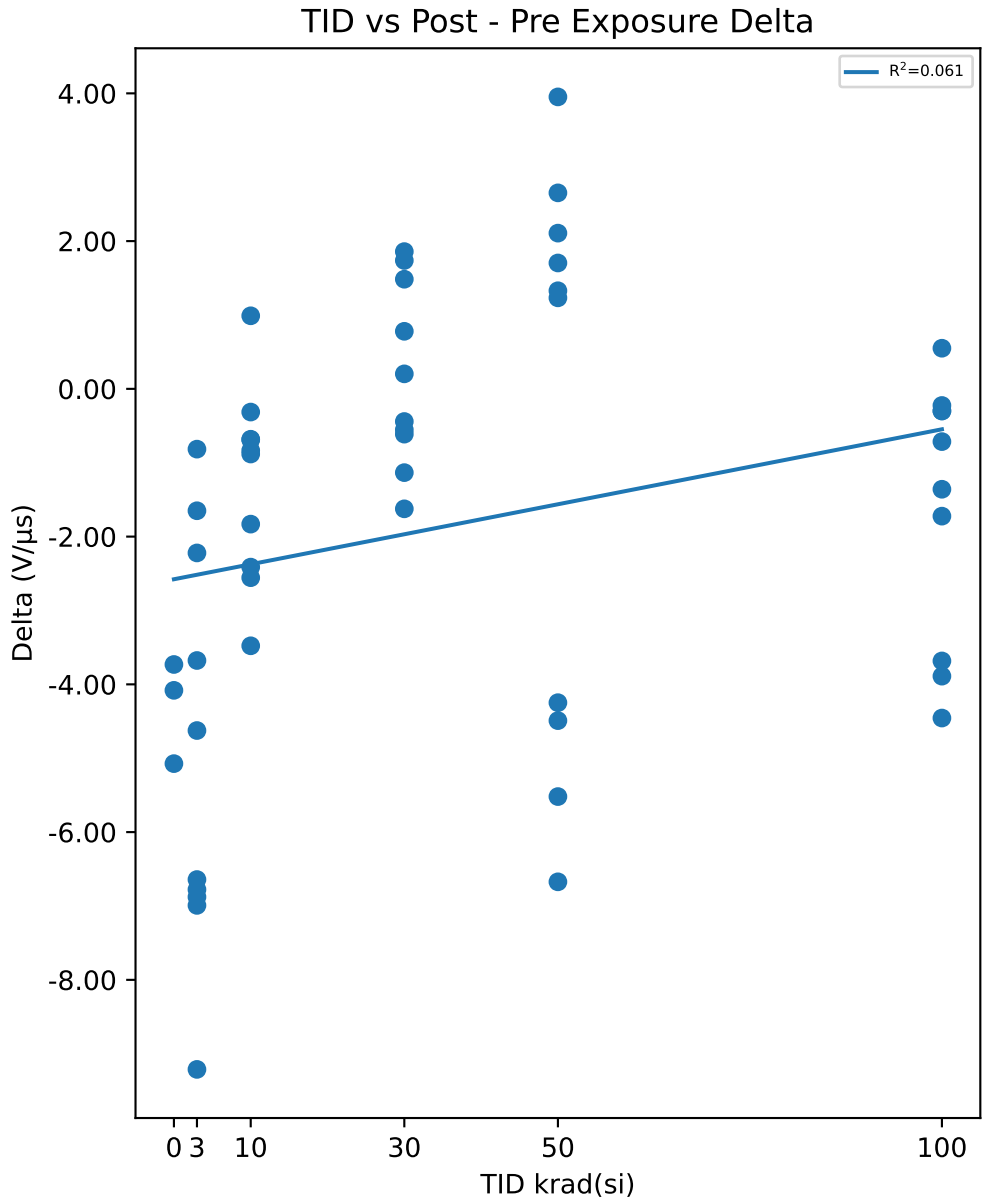
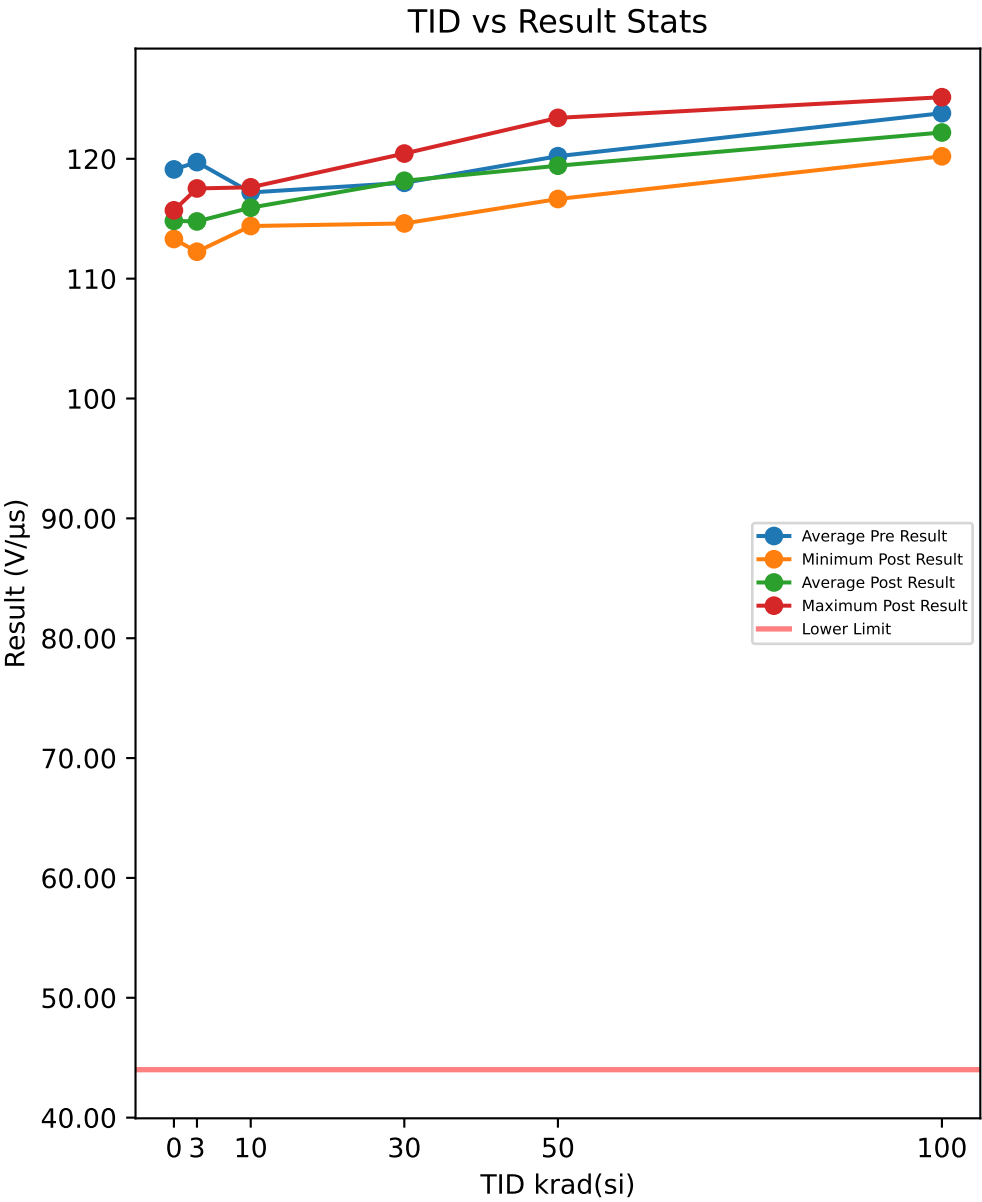
Device Test: 19.7 ; RESET\_SLEW\_RATE\_FALL



| Test Results (Lower Limit = 44.0 (V/μs)) |          |                     |            |             |         |
|------------------------------------------|----------|---------------------|------------|-------------|---------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta   |
| 300                                      | 0        | Correlation         | 133        | 132.49      | -0.506  |
| 301                                      | 0        | Correlation         | 138.53     | 134.67      | -3.857  |
| 302                                      | 0        | Correlation         | 134.3      | 135.96      | 1.653   |
| 303                                      | 3        | Bias                | 139.61     | 133.58      | -6.032  |
| 304                                      | 3        | Bias                | 139.56     | 134.64      | -4.916  |
| 305                                      | 3        | Bias                | 144.47     | 135.46      | -9.007  |
| 306                                      | 3        | Bias                | 142.46     | 135.52      | -6.933  |
| 307                                      | 3        | Bias                | 141.67     | 131.4       | -10.269 |
| 308                                      | 3        | Unbiased            | 138.64     | 132.47      | -6.17   |
| 309                                      | 3        | Unbiased            | 133.84     | 133.87      | 0.037   |
| 310                                      | 3        | Unbiased            | 132.27     | 132.15      | -0.121  |
| 311                                      | 3        | Unbiased            | 136.22     | 134.69      | -1.53   |
| 312                                      | 3        | Unbiased            | 135.34     | 134.16      | -1.178  |
| 313                                      | 10       | Bias                | 134.46     | 135.22      | 0.755   |
| 314                                      | 10       | Bias                | 136.41     | 135.73      | -0.684  |
| 315                                      | 10       | Bias                | 132.8      | 134.84      | 2.039   |
| 316                                      | 10       | Bias                | 133.91     | 136.87      | 2.962   |
| 317                                      | 10       | Bias                | 133.81     | 133.25      | -0.566  |
| 318                                      | 10       | Unbiased            | 136.51     | 137.05      | 0.532   |
| 319                                      | 10       | Unbiased            | 133.08     | 131.78      | -1.298  |
| 320                                      | 10       | Unbiased            | 134.87     | 134.56      | -0.307  |
| 321                                      | 10       | Unbiased            | 132.84     | 133.98      | 1.135   |
| 322                                      | 10       | Unbiased            | 133.35     | 131.66      | -1.691  |
| 323                                      | 30       | Bias                | 130.24     | 134.41      | 4.164   |
| 324                                      | 30       | Bias                | 135.81     | 140.06      | 4.252   |
| 325                                      | 30       | Bias                | 137.06     | 141.55      | 4.491   |
| 326                                      | 30       | Bias                | 134.66     | 139         | 4.341   |
| 327                                      | 30       | Bias                | 132.03     | 135.94      | 3.908   |
| 328                                      | 30       | Unbiased            | 135.47     | 139.16      | 3.692   |
| 329                                      | 30       | Unbiased            | 132.64     | 132.07      | -0.569  |
| 330                                      | 30       | Unbiased            | 138.72     | 139.92      | 1.197   |
| 331                                      | 30       | Unbiased            | 134.31     | 136.39      | 2.081   |
| 332                                      | 30       | Unbiased            | 134.98     | 135.58      | 0.594   |
| 333                                      | 50       | Bias                | 137.15     | 142.27      | 5.122   |
| 334                                      | 50       | Bias                | 136.57     | 141         | 4.432   |
| 335                                      | 50       | Bias                | 131.09     | 136.58      | 5.493   |
| 336                                      | 50       | Bias                | 132.51     | 138.66      | 6.158   |
| 337                                      | 50       | Bias                | 132.3      | 137.93      | 5.631   |
| 338                                      | 50       | Unbiased            | 135.69     | 139.15      | 3.457   |
| 339                                      | 50       | Unbiased            | 146.63     | 140.56      | -6.078  |
| 340                                      | 50       | Unbiased            | 138.95     | 135.83      | -3.123  |
| 341                                      | 50       | Unbiased            | 140.72     | 137.6       | -3.121  |
| 342                                      | 50       | Unbiased            | 143.54     | 138.99      | -4.558  |
| 343                                      | 100      | Bias                | 144.18     | 139.99      | -4.19   |
| 344                                      | 100      | Bias                | 143.19     | 140.94      | -2.252  |
| 345                                      | 100      | Bias                | 143.57     | 139.87      | -3.696  |
| 346                                      | 100      | Bias                | 142.04     | 142.93      | 0.894   |
| 347                                      | 100      | Bias                | 144.97     | 141.84      | -3.128  |
| 348                                      | 100      | Unbiased            | 141.51     | 142.33      | 0.814   |
| 349                                      | 100      | Unbiased            | 141.45     | 137.7       | -3.748  |
| 350                                      | 100      | Unbiased            | 143.84     | 139.67      | -4.169  |
| 351                                      | 100      | Unbiased            | 139.92     | 141.71      | 1.798   |
| 352                                      | 100      | Unbiased            | 147.85     | 144.95      | -2.902  |

Test Statistics (V/μs)

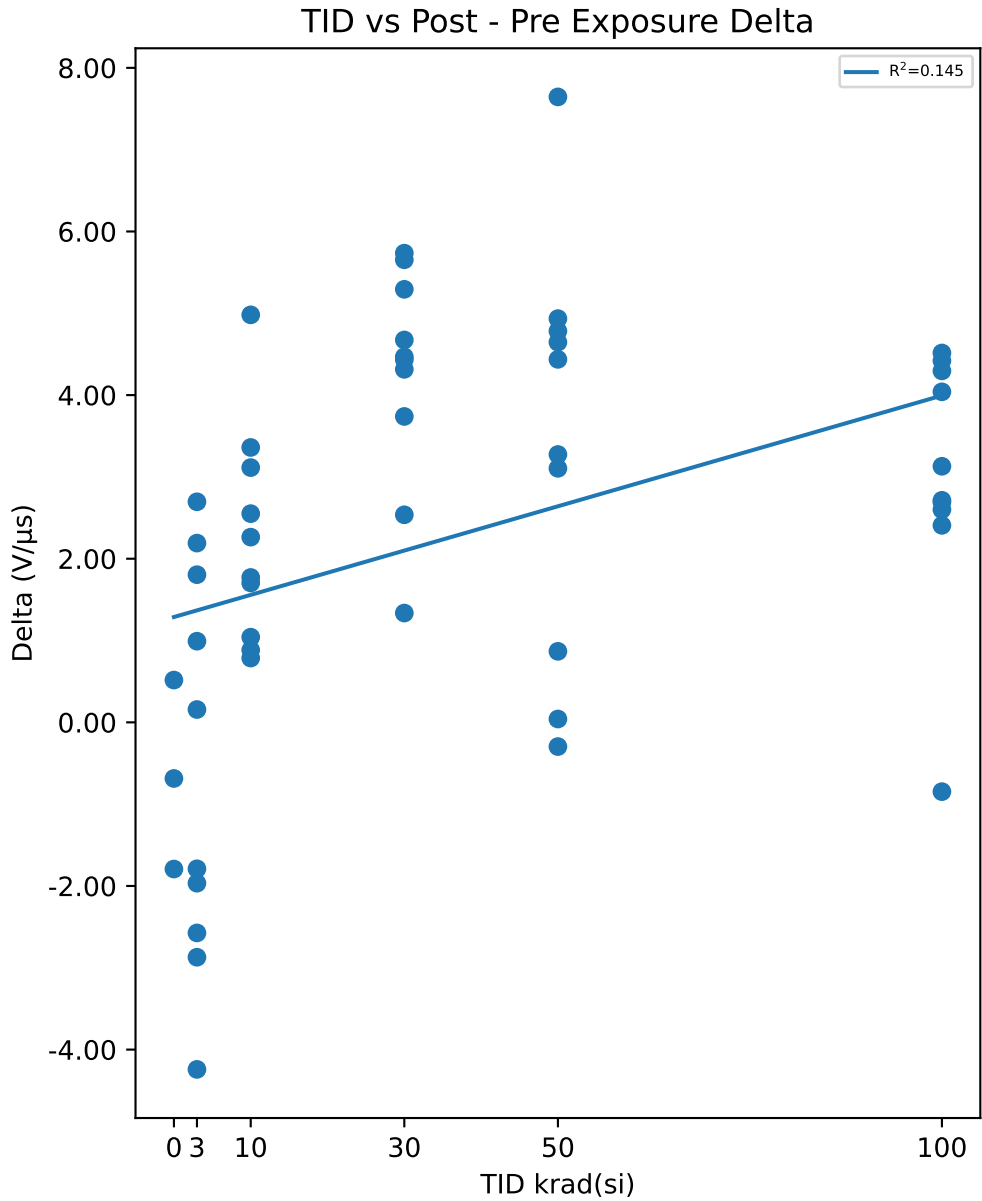
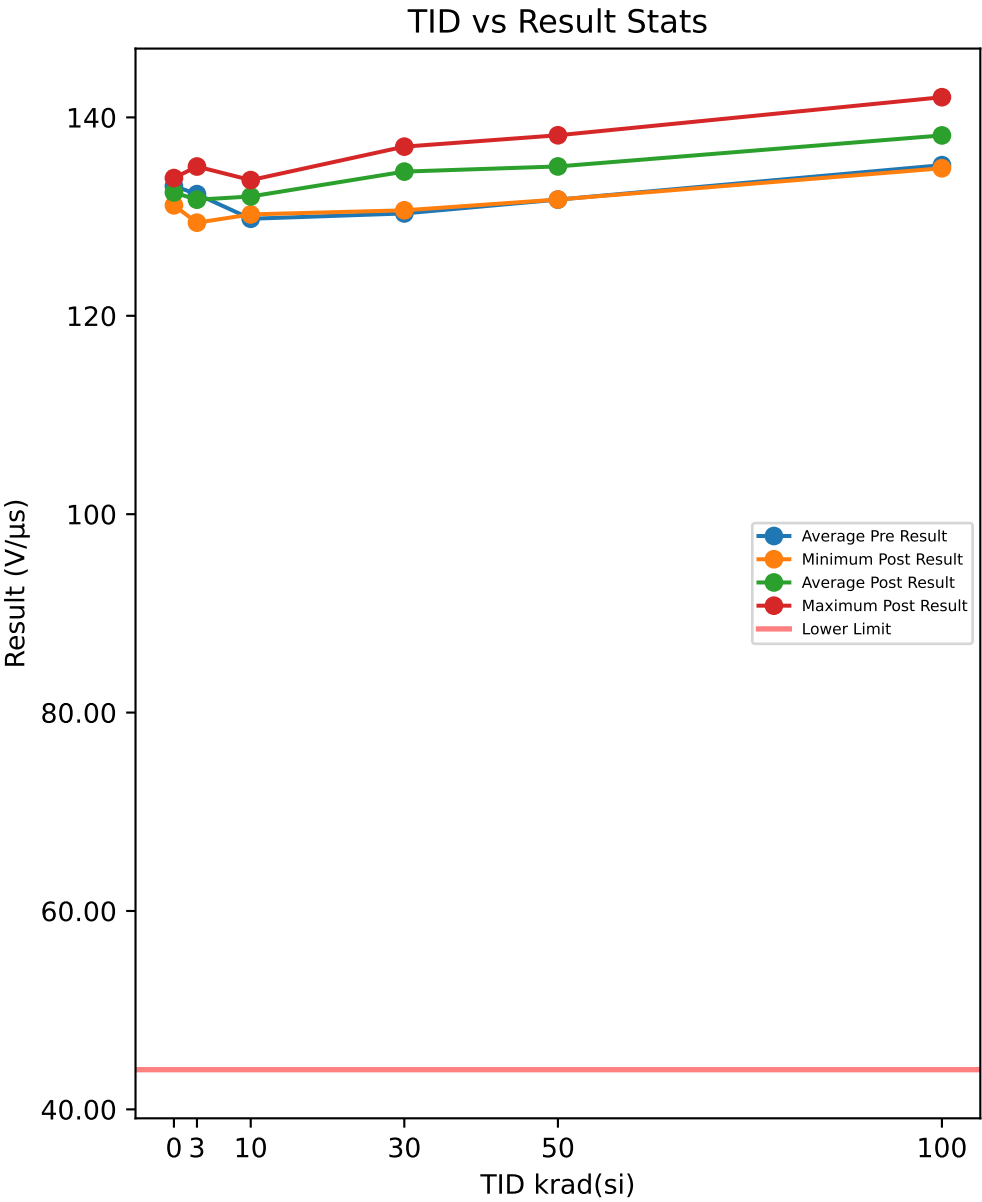
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 133              | 135.28           | 138.53           | 2.8916           | 132.49            | 134.37            | 135.96            | 1.7517            | -3.857    | -0.90333  | 1.653     | 2.7764    |
| 3        | 132.27           | 138.41           | 144.47           | 3.9366           | 131.4             | 133.79            | 135.52            | 1.4012            | -10.269   | -4.6119   | 0.037     | 3.7165    |
| 10       | 132.8            | 134.2            | 136.51           | 1.3657           | 131.66            | 134.49            | 137.05            | 1.8715            | -1.691    | 0.2877    | 2.962     | 1.4784    |
| 30       | 130.24           | 134.59           | 138.72           | 2.47             | 132.07            | 137.41            | 141.55            | 2.9843            | -0.569    | 2.8151    | 4.491     | 1.8417    |
| 50       | 131.09           | 137.52           | 146.63           | 5.0531           | 135.83            | 138.86            | 142.27            | 2.0016            | -6.078    | 1.3413    | 6.158     | 4.9086    |
| 100      | 139.92           | 143.25           | 147.85           | 2.2179           | 137.7             | 141.19            | 144.95            | 2.0245            | -4.19     | -2.0579   | 1.798     | 2.3158    |



| Test Results (Lower Limit = 44.0 (V/μs)) |          |                     |            |             |        |
|------------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                      | 0        | Correlation         | 117.39     | 113.31      | -4.081 |
| 301                                      | 0        | Correlation         | 119.18     | 115.45      | -3.731 |
| 302                                      | 0        | Correlation         | 120.77     | 115.7       | -5.073 |
| 303                                      | 3        | Bias                | 120.2      | 113.43      | -6.777 |
| 304                                      | 3        | Bias                | 121.46     | 112.25      | -9.212 |
| 305                                      | 3        | Bias                | 124.4      | 117.53      | -6.878 |
| 306                                      | 3        | Bias                | 122.38     | 115.73      | -6.642 |
| 307                                      | 3        | Bias                | 120.83     | 113.84      | -6.992 |
| 308                                      | 3        | Unbiased            | 118.85     | 114.22      | -4.625 |
| 309                                      | 3        | Unbiased            | 115.55     | 114.73      | -0.816 |
| 310                                      | 3        | Unbiased            | 115.63     | 113.98      | -1.65  |
| 311                                      | 3        | Unbiased            | 120.05     | 116.37      | -3.677 |
| 312                                      | 3        | Unbiased            | 117.88     | 115.66      | -2.221 |
| 313                                      | 10       | Bias                | 116.95     | 114.39      | -2.556 |
| 314                                      | 10       | Bias                | 117.93     | 117.1       | -0.833 |
| 315                                      | 10       | Bias                | 119.45     | 117.62      | -1.831 |
| 316                                      | 10       | Bias                | 118.47     | 114.99      | -3.478 |
| 317                                      | 10       | Bias                | 116.38     | 115.69      | -0.69  |
| 318                                      | 10       | Unbiased            | 118.45     | 116.04      | -2.413 |
| 319                                      | 10       | Unbiased            | 115.32     | 115         | -0.314 |
| 320                                      | 10       | Unbiased            | 116.15     | 117.14      | 0.989  |
| 321                                      | 10       | Unbiased            | 116.54     | 115.66      | -0.882 |
| 322                                      | 10       | Unbiased            | 116.27     | 115.59      | -0.682 |
| 323                                      | 30       | Bias                | 115.74     | 114.61      | -1.134 |
| 324                                      | 30       | Bias                | 118.27     | 119.05      | 0.779  |
| 325                                      | 30       | Bias                | 118.95     | 120.44      | 1.484  |
| 326                                      | 30       | Bias                | 118.21     | 120.07      | 1.858  |
| 327                                      | 30       | Bias                | 116.82     | 118.55      | 1.738  |
| 328                                      | 30       | Unbiased            | 119.66     | 119.22      | -0.442 |
| 329                                      | 30       | Unbiased            | 116.11     | 115.49      | -0.613 |
| 330                                      | 30       | Unbiased            | 121.75     | 120.12      | -1.624 |
| 331                                      | 30       | Unbiased            | 115.81     | 116.01      | 0.203  |
| 332                                      | 30       | Unbiased            | 118.65     | 118.1       | -0.553 |
| 333                                      | 50       | Bias                | 119.46     | 123.41      | 3.952  |
| 334                                      | 50       | Bias                | 120.06     | 121.77      | 1.704  |
| 335                                      | 50       | Bias                | 115.41     | 116.64      | 1.232  |
| 336                                      | 50       | Bias                | 116.8      | 118.12      | 1.328  |
| 337                                      | 50       | Bias                | 116.5      | 119.16      | 2.653  |
| 338                                      | 50       | Unbiased            | 117.19     | 119.3       | 2.108  |
| 339                                      | 50       | Unbiased            | 126.04     | 121.79      | -4.248 |
| 340                                      | 50       | Unbiased            | 121.37     | 116.88      | -4.491 |
| 341                                      | 50       | Unbiased            | 123.33     | 117.81      | -5.519 |
| 342                                      | 50       | Unbiased            | 126.03     | 119.35      | -6.673 |
| 343                                      | 100      | Bias                | 124.67     | 123.96      | -0.714 |
| 344                                      | 100      | Bias                | 121.67     | 121.37      | -0.3   |
| 345                                      | 100      | Bias                | 123.07     | 121.35      | -1.723 |
| 346                                      | 100      | Bias                | 121.5      | 122.05      | 0.55   |
| 347                                      | 100      | Bias                | 124.39     | 124.09      | -0.298 |
| 348                                      | 100      | Unbiased            | 124.82     | 121.14      | -3.683 |
| 349                                      | 100      | Unbiased            | 124.1      | 120.21      | -3.889 |
| 350                                      | 100      | Unbiased            | 125.59     | 121.13      | -4.456 |
| 351                                      | 100      | Unbiased            | 121.74     | 121.52      | -0.225 |
| 352                                      | 100      | Unbiased            | 126.5      | 125.14      | -1.359 |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 117.39           | 119.11           | 120.77           | 1.6924           | 113.31            | 114.82            | 115.7             | 1.3138            | -5.073    | -4.295    | -3.731    | 0.69612   |
| 3        | 115.55           | 119.72           | 124.4            | 2.8256           | 112.25            | 114.77            | 117.53            | 1.5575            | -9.212    | -4.949    | -0.816    | 2.777     |
| 10       | 115.32           | 117.19           | 119.45           | 1.3105           | 114.39            | 115.92            | 117.62            | 1.0571            | -3.478    | -1.269    | 0.989     | 1.2992    |
| 30       | 115.74           | 118              | 121.75           | 1.9189           | 114.61            | 118.17            | 120.44            | 2.0843            | -1.624    | 0.1696    | 1.858     | 1.2399    |
| 50       | 115.41           | 120.22           | 126.04           | 3.9008           | 116.64            | 119.42            | 123.41            | 2.2513            | -6.673    | -0.7954   | 3.952     | 3.9463    |
| 100      | 121.5            | 123.8            | 126.5            | 1.7426           | 120.21            | 122.2             | 125.14            | 1.6147            | -4.456    | -1.6097   | 0.55      | 1.7792    |

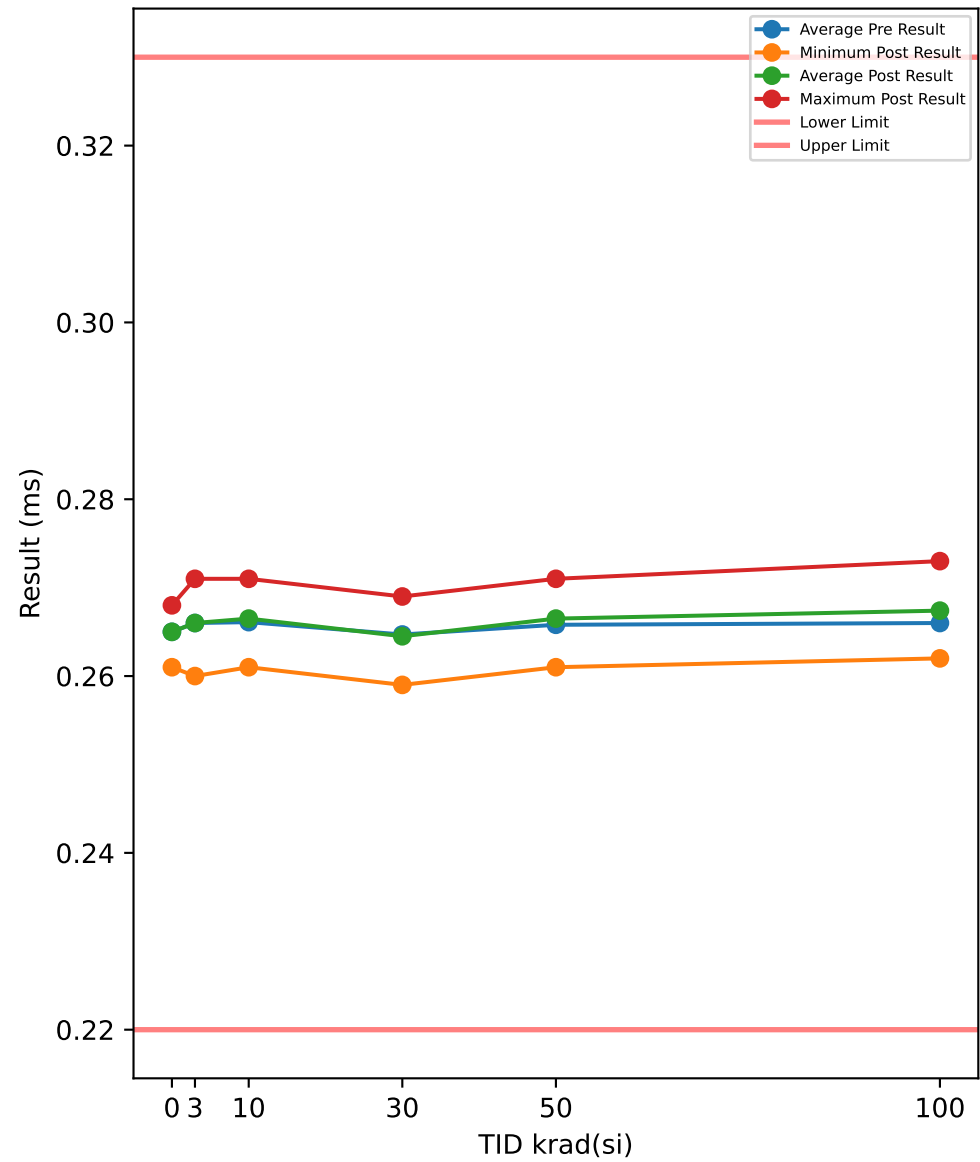


| Test Results (Lower Limit = 44.0 (V/μs)) |          |                     |            |             |        |
|------------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                      | 0        | Correlation         | 130.62     | 131.13      | 0.517  |
| 301                                      | 0        | Correlation         | 134.06     | 132.27      | -1.793 |
| 302                                      | 0        | Correlation         | 134.57     | 133.88      | -0.686 |
| 303                                      | 3        | Bias                | 133.91     | 131.04      | -2.871 |
| 304                                      | 3        | Bias                | 132.32     | 130.36      | -1.966 |
| 305                                      | 3        | Bias                | 136.68     | 134.1       | -2.574 |
| 306                                      | 3        | Bias                | 132.59     | 132.75      | 0.157  |
| 307                                      | 3        | Bias                | 131.86     | 130.07      | -1.79  |
| 308                                      | 3        | Unbiased            | 134.42     | 130.18      | -4.242 |
| 309                                      | 3        | Unbiased            | 129.07     | 130.06      | 0.992  |
| 310                                      | 3        | Unbiased            | 126.69     | 129.39      | 2.696  |
| 311                                      | 3        | Unbiased            | 133.24     | 135.05      | 1.805  |
| 312                                      | 3        | Unbiased            | 131.85     | 134.04      | 2.191  |
| 313                                      | 10       | Bias                | 130.14     | 132.41      | 2.264  |
| 314                                      | 10       | Bias                | 132.42     | 133.21      | 0.786  |
| 315                                      | 10       | Bias                | 130.34     | 132.11      | 1.771  |
| 316                                      | 10       | Bias                | 130.84     | 132.55      | 1.704  |
| 317                                      | 10       | Bias                | 129.18     | 130.22      | 1.041  |
| 318                                      | 10       | Unbiased            | 128.7      | 133.68      | 4.981  |
| 319                                      | 10       | Unbiased            | 129.84     | 130.73      | 0.884  |
| 320                                      | 10       | Unbiased            | 129.69     | 132.24      | 2.551  |
| 321                                      | 10       | Unbiased            | 128.96     | 132.07      | 3.114  |
| 322                                      | 10       | Unbiased            | 127.7      | 131.06      | 3.36   |
| 323                                      | 30       | Bias                | 128.1      | 130.63      | 2.537  |
| 324                                      | 30       | Bias                | 130.8      | 135.12      | 4.315  |
| 325                                      | 30       | Bias                | 131.44     | 135.91      | 4.468  |
| 326                                      | 30       | Bias                | 131.28     | 135.02      | 3.739  |
| 327                                      | 30       | Bias                | 127.5      | 133.24      | 5.735  |
| 328                                      | 30       | Unbiased            | 131.76     | 137.05      | 5.293  |
| 329                                      | 30       | Unbiased            | 127.2      | 132.85      | 5.654  |
| 330                                      | 30       | Unbiased            | 135.07     | 136.41      | 1.336  |
| 331                                      | 30       | Unbiased            | 128.76     | 133.44      | 4.674  |
| 332                                      | 30       | Unbiased            | 131.25     | 135.68      | 4.433  |
| 333                                      | 50       | Bias                | 133.55     | 138.2       | 4.647  |
| 334                                      | 50       | Bias                | 132.76     | 136.03      | 3.274  |
| 335                                      | 50       | Bias                | 125.4      | 133.04      | 7.645  |
| 336                                      | 50       | Bias                | 129.83     | 134.77      | 4.935  |
| 337                                      | 50       | Bias                | 130.29     | 135.08      | 4.783  |
| 338                                      | 50       | Unbiased            | 128.29     | 132.73      | 4.437  |
| 339                                      | 50       | Unbiased            | 137.41     | 137.11      | -0.296 |
| 340                                      | 50       | Unbiased            | 132.18     | 135.29      | 3.105  |
| 341                                      | 50       | Unbiased            | 131.68     | 131.72      | 0.041  |
| 342                                      | 50       | Unbiased            | 135.72     | 136.59      | 0.868  |
| 343                                      | 100      | Bias                | 135.58     | 138.71      | 3.13   |
| 344                                      | 100      | Bias                | 135.72     | 134.87      | -0.847 |
| 345                                      | 100      | Bias                | 134.13     | 136.73      | 2.6    |
| 346                                      | 100      | Bias                | 134.97     | 137.68      | 2.714  |
| 347                                      | 100      | Bias                | 136.94     | 139.63      | 2.691  |
| 348                                      | 100      | Unbiased            | 137.01     | 139.42      | 2.408  |
| 349                                      | 100      | Unbiased            | 131.69     | 136.21      | 4.515  |
| 350                                      | 100      | Unbiased            | 135.05     | 139.09      | 4.04   |
| 351                                      | 100      | Unbiased            | 133.03     | 137.45      | 4.42   |
| 352                                      | 100      | Unbiased            | 137.74     | 142.04      | 4.296  |

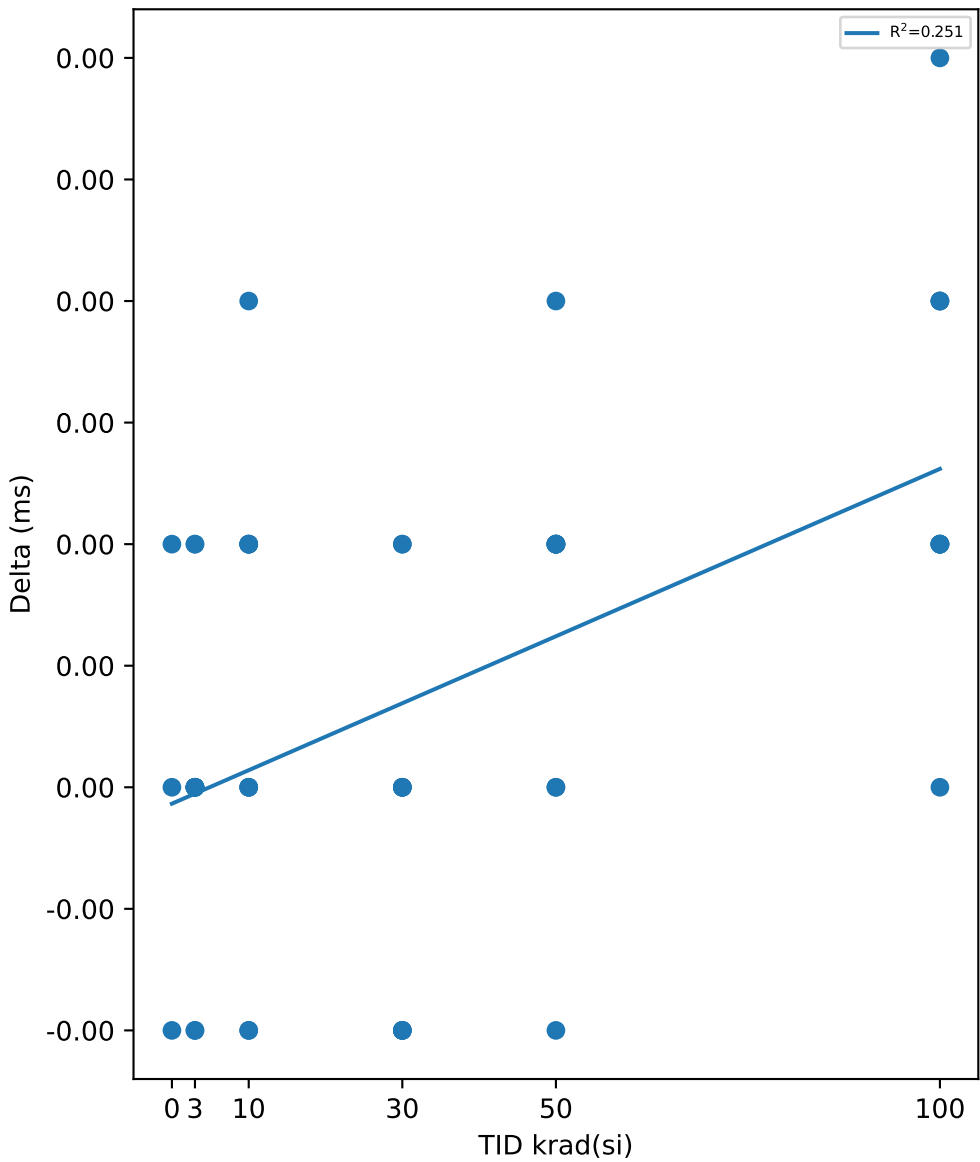
Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 130.62           | 133.08           | 134.57           | 2.1506           | 131.13            | 132.43            | 133.88            | 1.3814            | -1.793    | -0.654    | 0.517     | 1.1553    |
| 3        | 126.69           | 132.26           | 136.68           | 2.7794           | 129.39            | 131.7             | 135.05            | 2.0764            | -4.242    | -0.5602   | 2.696     | 2.4297    |
| 10       | 127.7            | 129.78           | 132.42           | 1.2955           | 130.22            | 132.03            | 133.68            | 1.0795            | 0.786     | 2.2456    | 4.981     | 1.3134    |
| 30       | 127.2            | 130.32           | 135.07           | 2.4263           | 130.63            | 134.54            | 137.05            | 1.9595            | 1.336     | 4.2184    | 5.735     | 1.3827    |
| 50       | 125.4            | 131.71           | 137.41           | 3.5016           | 131.72            | 135.06            | 138.2             | 2.0588            | -0.296    | 3.3439    | 7.645     | 2.5021    |
| 100      | 131.69           | 135.19           | 137.74           | 1.8667           | 134.87            | 138.18            | 142.04            | 2.036             | -0.847    | 2.9967    | 4.515     | 1.5838    |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

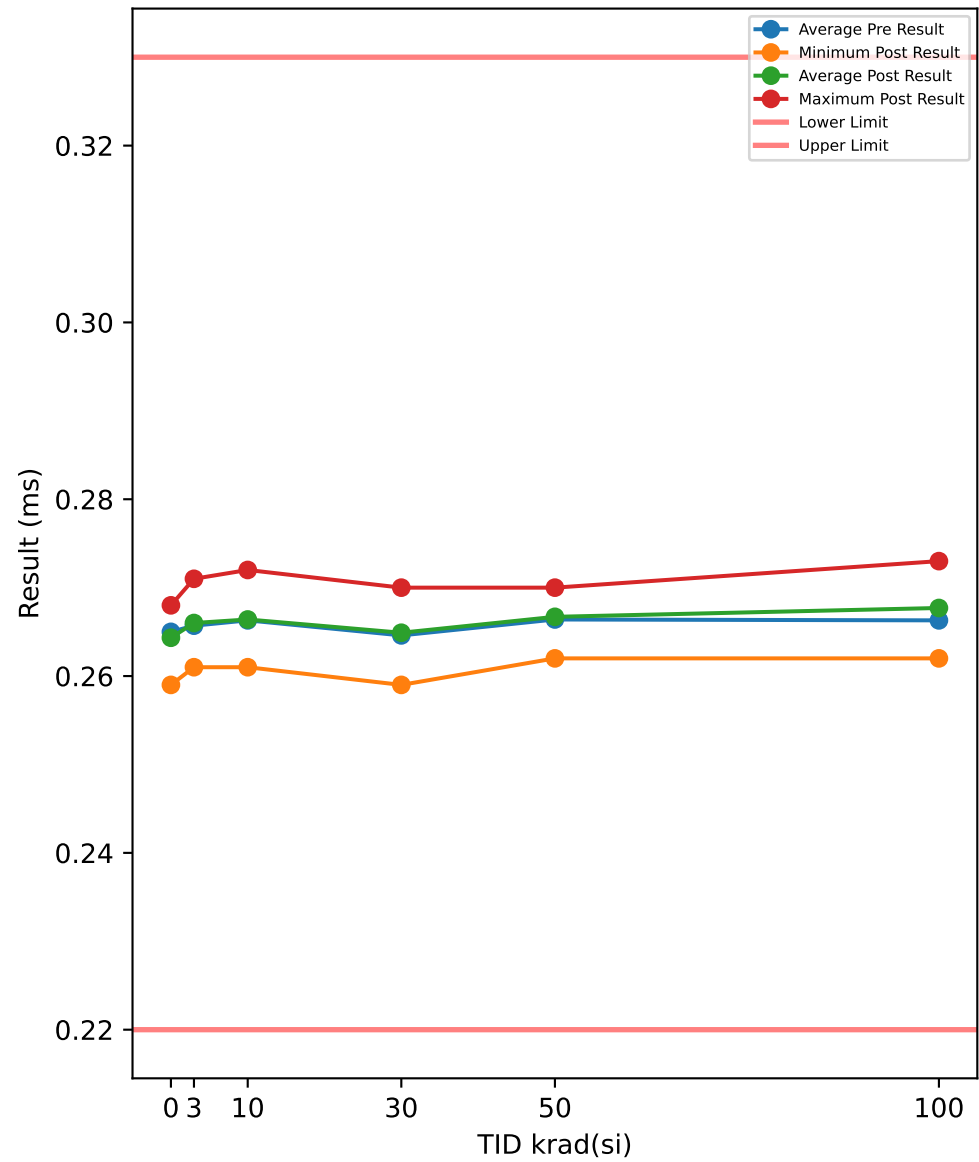
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.268      | 0.268       | 0      |
| 301      | 0        | Correlation         | 0.267      | 0.266       | -0.001 |
| 302      | 0        | Correlation         | 0.26       | 0.261       | 0.001  |
| 303      | 3        | Bias                | 0.261      | 0.261       | 0      |
| 304      | 3        | Bias                | 0.26       | 0.26        | 0      |
| 305      | 3        | Bias                | 0.27       | 0.27        | 0      |
| 306      | 3        | Bias                | 0.268      | 0.268       | 0      |
| 307      | 3        | Bias                | 0.27       | 0.269       | -0.001 |
| 308      | 3        | Unbiased            | 0.267      | 0.268       | 0.001  |
| 309      | 3        | Unbiased            | 0.271      | 0.271       | 0      |
| 310      | 3        | Unbiased            | 0.27       | 0.269       | -0.001 |
| 311      | 3        | Unbiased            | 0.261      | 0.262       | 0.001  |
| 312      | 3        | Unbiased            | 0.262      | 0.262       | 0      |
| 313      | 10       | Bias                | 0.261      | 0.261       | 0      |
| 314      | 10       | Bias                | 0.26       | 0.261       | 0.001  |
| 315      | 10       | Bias                | 0.26       | 0.261       | 0.001  |
| 316      | 10       | Bias                | 0.267      | 0.268       | 0.001  |
| 317      | 10       | Bias                | 0.27       | 0.27        | 0      |
| 318      | 10       | Unbiased            | 0.271      | 0.271       | 0      |
| 319      | 10       | Unbiased            | 0.262      | 0.261       | -0.001 |
| 320      | 10       | Unbiased            | 0.27       | 0.271       | 0.001  |
| 321      | 10       | Unbiased            | 0.268      | 0.27        | 0.002  |
| 322      | 10       | Unbiased            | 0.272      | 0.271       | -0.001 |
| 323      | 30       | Bias                | 0.262      | 0.262       | 0      |
| 324      | 30       | Bias                | 0.262      | 0.261       | -0.001 |
| 325      | 30       | Bias                | 0.269      | 0.269       | 0      |
| 326      | 30       | Bias                | 0.266      | 0.267       | 0.001  |
| 327      | 30       | Bias                | 0.26       | 0.259       | -0.001 |
| 328      | 30       | Unbiased            | 0.268      | 0.268       | 0      |
| 329      | 30       | Unbiased            | 0.263      | 0.262       | -0.001 |
| 330      | 30       | Unbiased            | 0.259      | 0.26        | 0.001  |
| 331      | 30       | Unbiased            | 0.27       | 0.269       | -0.001 |
| 332      | 30       | Unbiased            | 0.268      | 0.268       | 0      |
| 333      | 50       | Bias                | 0.266      | 0.267       | 0.001  |
| 334      | 50       | Bias                | 0.269      | 0.269       | 0      |
| 335      | 50       | Bias                | 0.261      | 0.261       | 0      |
| 336      | 50       | Bias                | 0.268      | 0.269       | 0.001  |
| 337      | 50       | Bias                | 0.261      | 0.262       | 0.001  |
| 338      | 50       | Unbiased            | 0.266      | 0.267       | 0.001  |
| 339      | 50       | Unbiased            | 0.266      | 0.265       | -0.001 |
| 340      | 50       | Unbiased            | 0.269      | 0.27        | 0.001  |
| 341      | 50       | Unbiased            | 0.269      | 0.271       | 0.002  |
| 342      | 50       | Unbiased            | 0.263      | 0.264       | 0.001  |
| 343      | 100      | Bias                | 0.269      | 0.27        | 0.001  |
| 344      | 100      | Bias                | 0.268      | 0.27        | 0.002  |
| 345      | 100      | Bias                | 0.262      | 0.265       | 0.003  |
| 346      | 100      | Bias                | 0.261      | 0.262       | 0.001  |
| 347      | 100      | Bias                | 0.261      | 0.262       | 0.001  |
| 348      | 100      | Unbiased            | 0.271      | 0.273       | 0.002  |
| 349      | 100      | Unbiased            | 0.261      | 0.262       | 0.001  |
| 350      | 100      | Unbiased            | 0.27       | 0.271       | 0.001  |
| 351      | 100      | Unbiased            | 0.269      | 0.271       | 0.002  |
| 352      | 100      | Unbiased            | 0.268      | 0.268       | 0      |

Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| 0        | 0.26             | 0.265            | 0.268            | 0.0043589        | 0.261             | 0.265             | 0.268             | 0.0036056         | -0.001    | 0         | 0.001     | 0.001      |
| 3        | 0.26             | 0.266            | 0.271            | 0.0044721        | 0.26              | 0.266             | 0.271             | 0.0042164         | -0.001    | 0         | 0.001     | 0.0006667  |
| 10       | 0.26             | 0.2661           | 0.272            | 0.0048408        | 0.261             | 0.2665            | 0.271             | 0.0048132         | -0.001    | 0.0004    | 0.002     | 0.00096609 |
| 30       | 0.259            | 0.2647           | 0.27             | 0.0039735        | 0.259             | 0.2645            | 0.269             | 0.0040346         | -0.001    | -0.0002   | 0.001     | 0.00078881 |
| 50       | 0.261            | 0.2658           | 0.269            | 0.0031552        | 0.261             | 0.2665            | 0.271             | 0.0034075         | -0.001    | 0.0007    | 0.002     | 0.00082327 |
| 100      | 0.261            | 0.266            | 0.271            | 0.0041899        | 0.262             | 0.2674            | 0.273             | 0.004274          | 0         | 0.0014    | 0.003     | 0.00084327 |



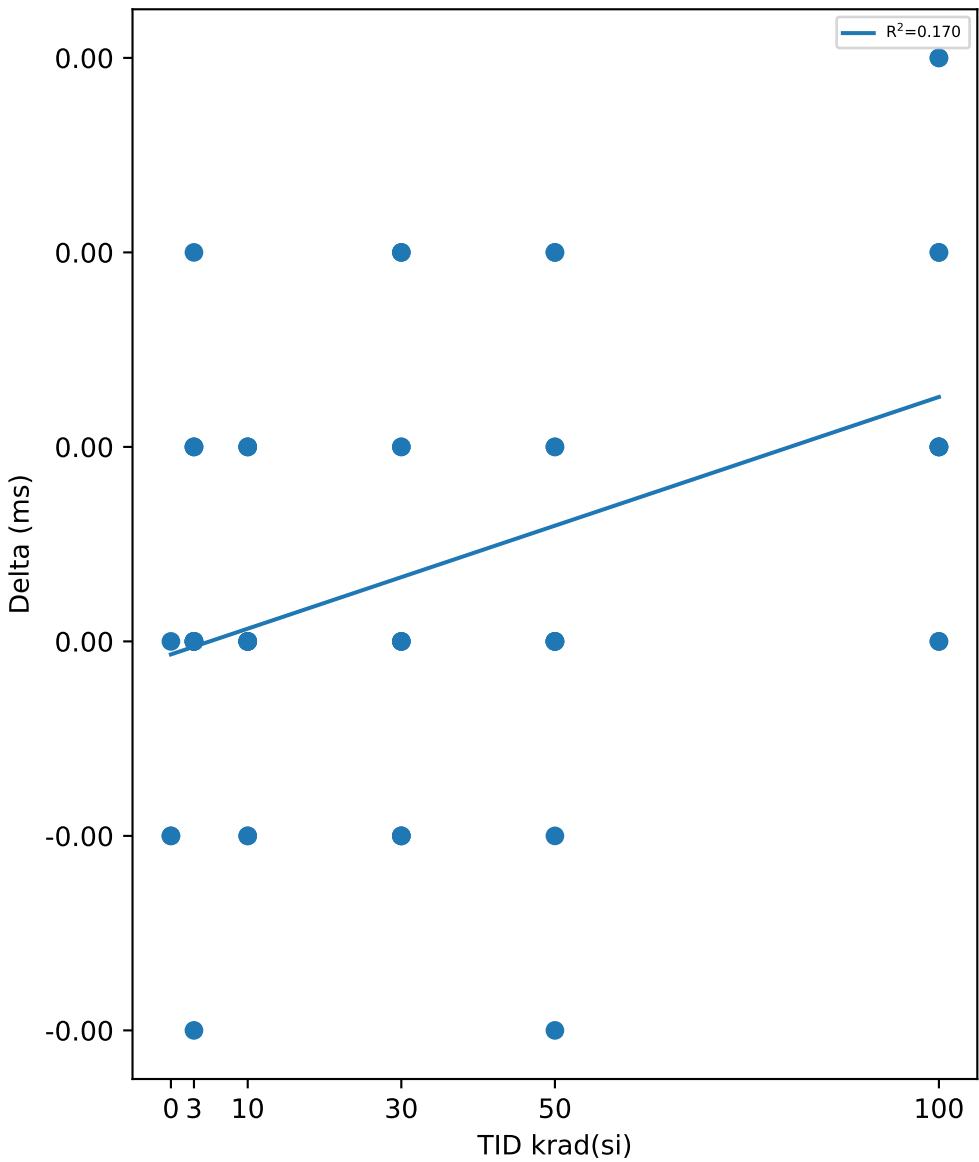
TID vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.268      | 0.268       | 0      |
| 301      | 0        | Correlation         | 0.267      | 0.266       | -0.001 |
| 302      | 0        | Correlation         | 0.26       | 0.259       | -0.001 |
| 303      | 3        | Bias                | 0.261      | 0.262       | 0.001  |
| 304      | 3        | Bias                | 0.259      | 0.261       | 0.002  |
| 305      | 3        | Bias                | 0.269      | 0.269       | 0      |
| 306      | 3        | Bias                | 0.269      | 0.267       | -0.002 |
| 307      | 3        | Bias                | 0.269      | 0.269       | 0      |
| 308      | 3        | Unbiased            | 0.267      | 0.267       | 0      |
| 309      | 3        | Unbiased            | 0.27       | 0.271       | 0.001  |
| 310      | 3        | Unbiased            | 0.27       | 0.27        | 0      |
| 311      | 3        | Unbiased            | 0.261      | 0.262       | 0.001  |
| 312      | 3        | Unbiased            | 0.262      | 0.262       | 0      |
| 313      | 10       | Bias                | 0.261      | 0.261       | 0      |
| 314      | 10       | Bias                | 0.26       | 0.261       | 0.001  |
| 315      | 10       | Bias                | 0.26       | 0.261       | 0.001  |
| 316      | 10       | Bias                | 0.268      | 0.269       | 0.001  |
| 317      | 10       | Bias                | 0.271      | 0.27        | -0.001 |
| 318      | 10       | Unbiased            | 0.272      | 0.272       | 0      |
| 319      | 10       | Unbiased            | 0.261      | 0.261       | 0      |
| 320      | 10       | Unbiased            | 0.27       | 0.27        | 0      |
| 321      | 10       | Unbiased            | 0.269      | 0.269       | 0      |
| 322      | 10       | Unbiased            | 0.271      | 0.27        | -0.001 |
| 323      | 30       | Bias                | 0.262      | 0.261       | -0.001 |
| 324      | 30       | Bias                | 0.262      | 0.261       | -0.001 |
| 325      | 30       | Bias                | 0.269      | 0.268       | -0.001 |
| 326      | 30       | Bias                | 0.266      | 0.268       | 0.002  |
| 327      | 30       | Bias                | 0.26       | 0.26        | 0      |
| 328      | 30       | Unbiased            | 0.268      | 0.269       | 0.001  |
| 329      | 30       | Unbiased            | 0.262      | 0.264       | 0.002  |
| 330      | 30       | Unbiased            | 0.259      | 0.259       | 0      |
| 331      | 30       | Unbiased            | 0.269      | 0.27        | 0.001  |
| 332      | 30       | Unbiased            | 0.269      | 0.269       | 0      |
| 333      | 50       | Bias                | 0.268      | 0.267       | -0.001 |
| 334      | 50       | Bias                | 0.27       | 0.268       | -0.002 |
| 335      | 50       | Bias                | 0.261      | 0.262       | 0.001  |
| 336      | 50       | Bias                | 0.268      | 0.269       | 0.001  |
| 337      | 50       | Bias                | 0.262      | 0.262       | 0      |
| 338      | 50       | Unbiased            | 0.267      | 0.267       | 0      |
| 339      | 50       | Unbiased            | 0.267      | 0.267       | 0      |
| 340      | 50       | Unbiased            | 0.27       | 0.27        | 0      |
| 341      | 50       | Unbiased            | 0.268      | 0.27        | 0.002  |
| 342      | 50       | Unbiased            | 0.263      | 0.265       | 0.002  |
| 343      | 100      | Bias                | 0.268      | 0.271       | 0.003  |
| 344      | 100      | Bias                | 0.267      | 0.27        | 0.003  |
| 345      | 100      | Bias                | 0.263      | 0.265       | 0.002  |
| 346      | 100      | Bias                | 0.262      | 0.263       | 0.001  |
| 347      | 100      | Bias                | 0.262      | 0.263       | 0.001  |
| 348      | 100      | Unbiased            | 0.272      | 0.273       | 0.001  |
| 349      | 100      | Unbiased            | 0.262      | 0.262       | 0      |
| 350      | 100      | Unbiased            | 0.271      | 0.271       | 0      |
| 351      | 100      | Unbiased            | 0.269      | 0.27        | 0.001  |
| 352      | 100      | Unbiased            | 0.267      | 0.269       | 0.002  |

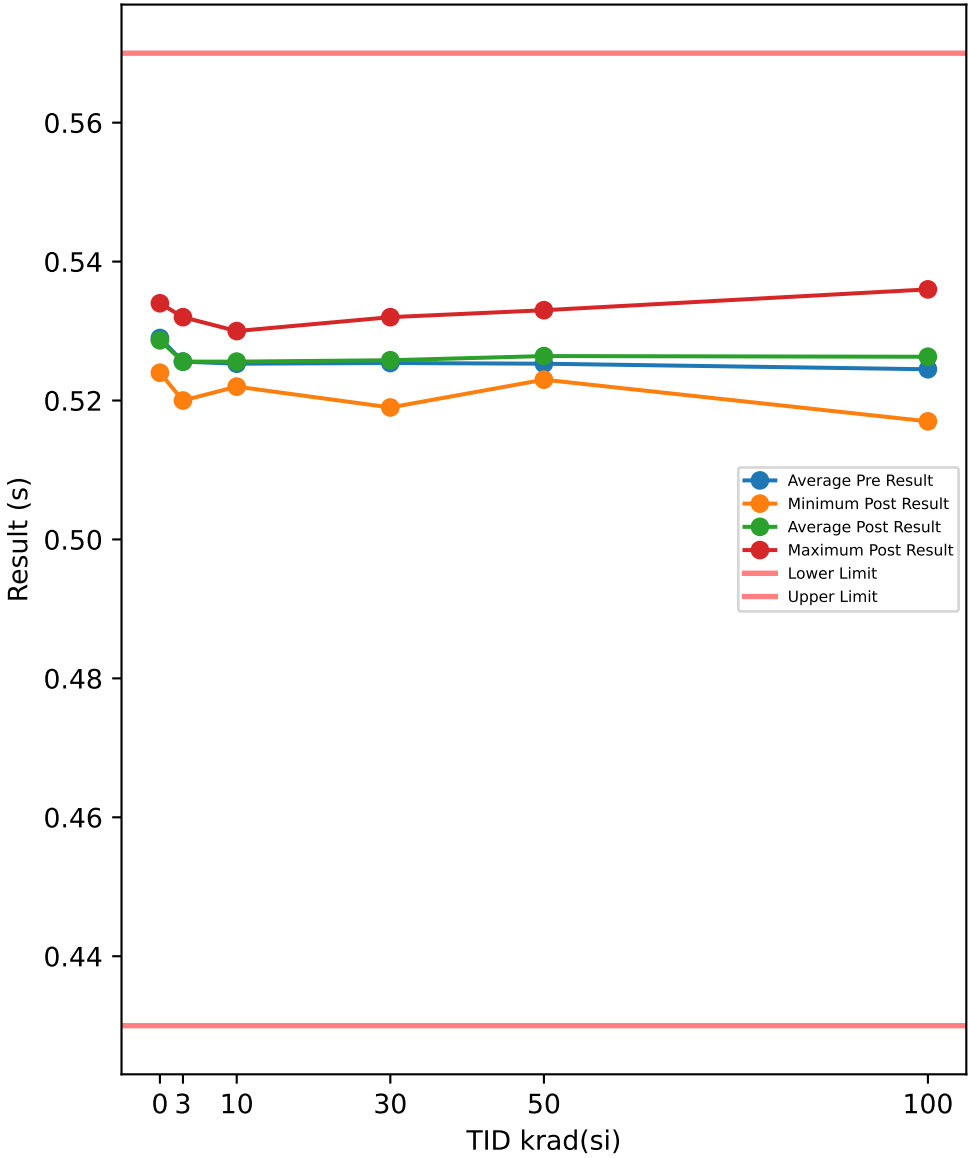
TID vs Post - Pre Exposure Delta



Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|------------|
| 0        | 0.26             | 0.265            | 0.268            | 0.0043589        | 0.259             | 0.26433           | 0.268             | 0.0047258         | -0.001    | -0.00066667 | 0         | 0.00057735 |
| 3        | 0.259            | 0.2657           | 0.27             | 0.0043982        | 0.261             | 0.266             | 0.271             | 0.0038586         | -0.002    | 0.0003      | 0.002     | 0.0010593  |
| 10       | 0.26             | 0.2663           | 0.272            | 0.0051218        | 0.261             | 0.2664            | 0.272             | 0.0047188         | -0.001    | 0.0001      | 0.001     | 0.00073786 |
| 30       | 0.259            | 0.2646           | 0.269            | 0.0040056        | 0.259             | 0.2649            | 0.27              | 0.0043321         | -0.001    | 0.0003      | 0.002     | 0.0011595  |
| 50       | 0.261            | 0.2664           | 0.27             | 0.0032387        | 0.262             | 0.2667            | 0.27              | 0.0029078         | -0.002    | 0.0003      | 0.002     | 0.0012517  |
| 100      | 0.262            | 0.2663           | 0.272            | 0.0038312        | 0.262             | 0.2677            | 0.273             | 0.0040291         | 0         | 0.0014      | 0.003     | 0.001075   |

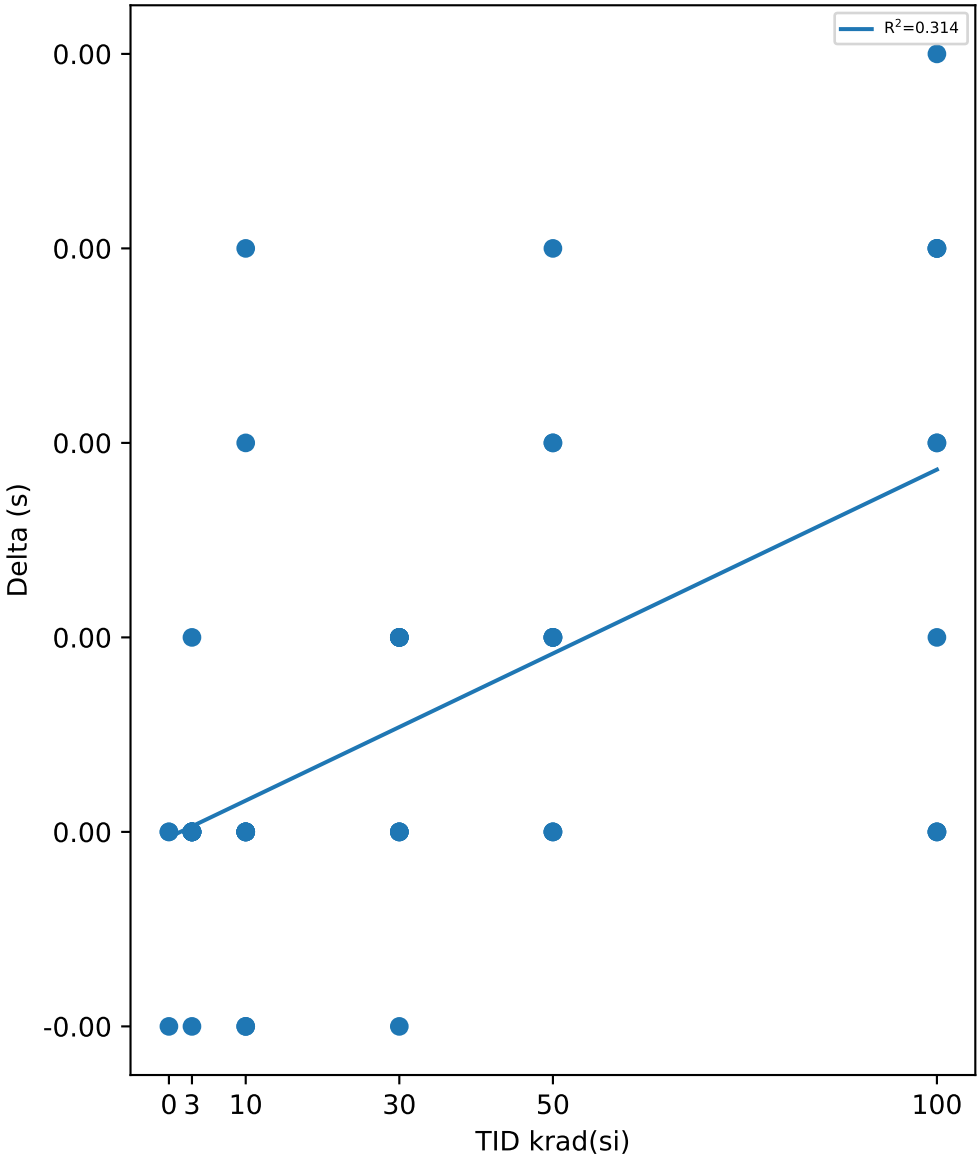
TID vs Result Stats



Test Results (Lower Limit = 0.43, Upper Limit = 0.57 (s))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.534      | 0.534       | 0      |
| 301      | 0        | Correlation         | 0.525      | 0.524       | -0.001 |
| 302      | 0        | Correlation         | 0.528      | 0.528       | 0      |
| 303      | 3        | Bias                | 0.531      | 0.532       | 0.001  |
| 304      | 3        | Bias                | 0.524      | 0.524       | 0      |
| 305      | 3        | Bias                | 0.521      | 0.52        | -0.001 |
| 306      | 3        | Bias                | 0.526      | 0.526       | 0      |
| 307      | 3        | Bias                | 0.524      | 0.524       | 0      |
| 308      | 3        | Unbiased            | 0.529      | 0.529       | 0      |
| 309      | 3        | Unbiased            | 0.524      | 0.524       | 0      |
| 310      | 3        | Unbiased            | 0.525      | 0.525       | 0      |
| 311      | 3        | Unbiased            | 0.526      | 0.526       | 0      |
| 312      | 3        | Unbiased            | 0.526      | 0.526       | 0      |
| 313      | 10       | Bias                | 0.52       | 0.522       | 0.002  |
| 314      | 10       | Bias                | 0.527      | 0.526       | -0.001 |
| 315      | 10       | Bias                | 0.528      | 0.528       | 0      |
| 316      | 10       | Bias                | 0.524      | 0.524       | 0      |
| 317      | 10       | Bias                | 0.523      | 0.523       | 0      |
| 318      | 10       | Unbiased            | 0.527      | 0.527       | 0      |
| 319      | 10       | Unbiased            | 0.526      | 0.526       | 0      |
| 320      | 10       | Unbiased            | 0.523      | 0.526       | 0.003  |
| 321      | 10       | Unbiased            | 0.524      | 0.524       | 0      |
| 322      | 10       | Unbiased            | 0.531      | 0.53        | -0.001 |
| 323      | 30       | Bias                | 0.521      | 0.52        | -0.001 |
| 324      | 30       | Bias                | 0.518      | 0.519       | 0.001  |
| 325      | 30       | Bias                | 0.532      | 0.532       | 0      |
| 326      | 30       | Bias                | 0.524      | 0.525       | 0.001  |
| 327      | 30       | Bias                | 0.522      | 0.522       | 0      |
| 328      | 30       | Unbiased            | 0.529      | 0.53        | 0.001  |
| 329      | 30       | Unbiased            | 0.525      | 0.525       | 0      |
| 330      | 30       | Unbiased            | 0.528      | 0.529       | 0.001  |
| 331      | 30       | Unbiased            | 0.527      | 0.528       | 0.001  |
| 332      | 30       | Unbiased            | 0.528      | 0.528       | 0      |
| 333      | 50       | Bias                | 0.525      | 0.525       | 0      |
| 334      | 50       | Bias                | 0.524      | 0.524       | 0      |
| 335      | 50       | Bias                | 0.532      | 0.533       | 0.001  |
| 336      | 50       | Bias                | 0.522      | 0.523       | 0.001  |
| 337      | 50       | Bias                | 0.524      | 0.525       | 0.001  |
| 338      | 50       | Unbiased            | 0.524      | 0.525       | 0.001  |
| 339      | 50       | Unbiased            | 0.523      | 0.525       | 0.002  |
| 340      | 50       | Unbiased            | 0.526      | 0.528       | 0.002  |
| 341      | 50       | Unbiased            | 0.522      | 0.525       | 0.003  |
| 342      | 50       | Unbiased            | 0.531      | 0.531       | 0      |
| 343      | 100      | Bias                | 0.526      | 0.526       | 0      |
| 344      | 100      | Bias                | 0.517      | 0.517       | 0      |
| 345      | 100      | Bias                | 0.522      | 0.524       | 0.002  |
| 346      | 100      | Bias                | 0.523      | 0.527       | 0.004  |
| 347      | 100      | Bias                | 0.533      | 0.536       | 0.003  |
| 348      | 100      | Unbiased            | 0.519      | 0.521       | 0.002  |
| 349      | 100      | Unbiased            | 0.523      | 0.523       | 0      |
| 350      | 100      | Unbiased            | 0.529      | 0.532       | 0.003  |
| 351      | 100      | Unbiased            | 0.524      | 0.527       | 0.003  |
| 352      | 100      | Unbiased            | 0.529      | 0.53        | 0.001  |

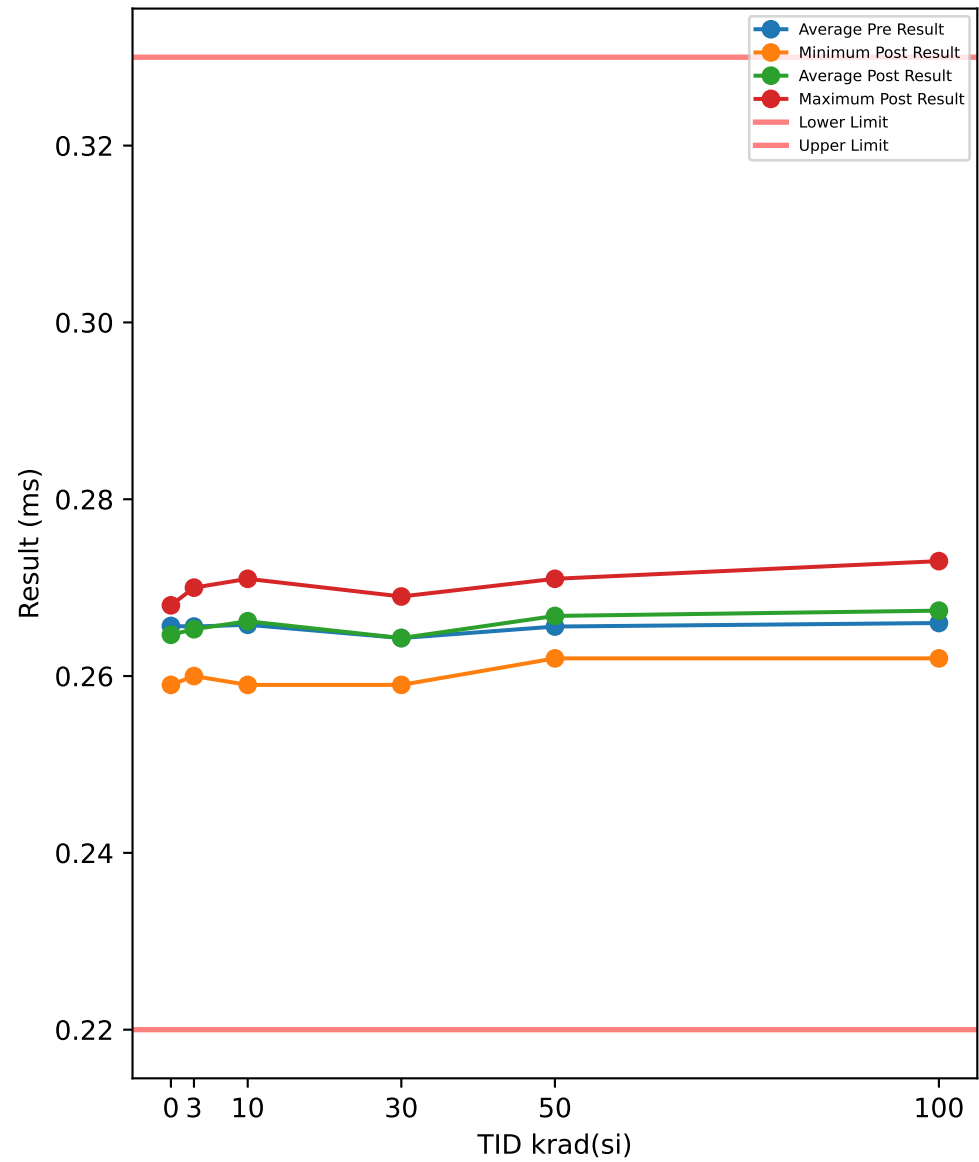
TID vs Post - Pre Exposure Delta



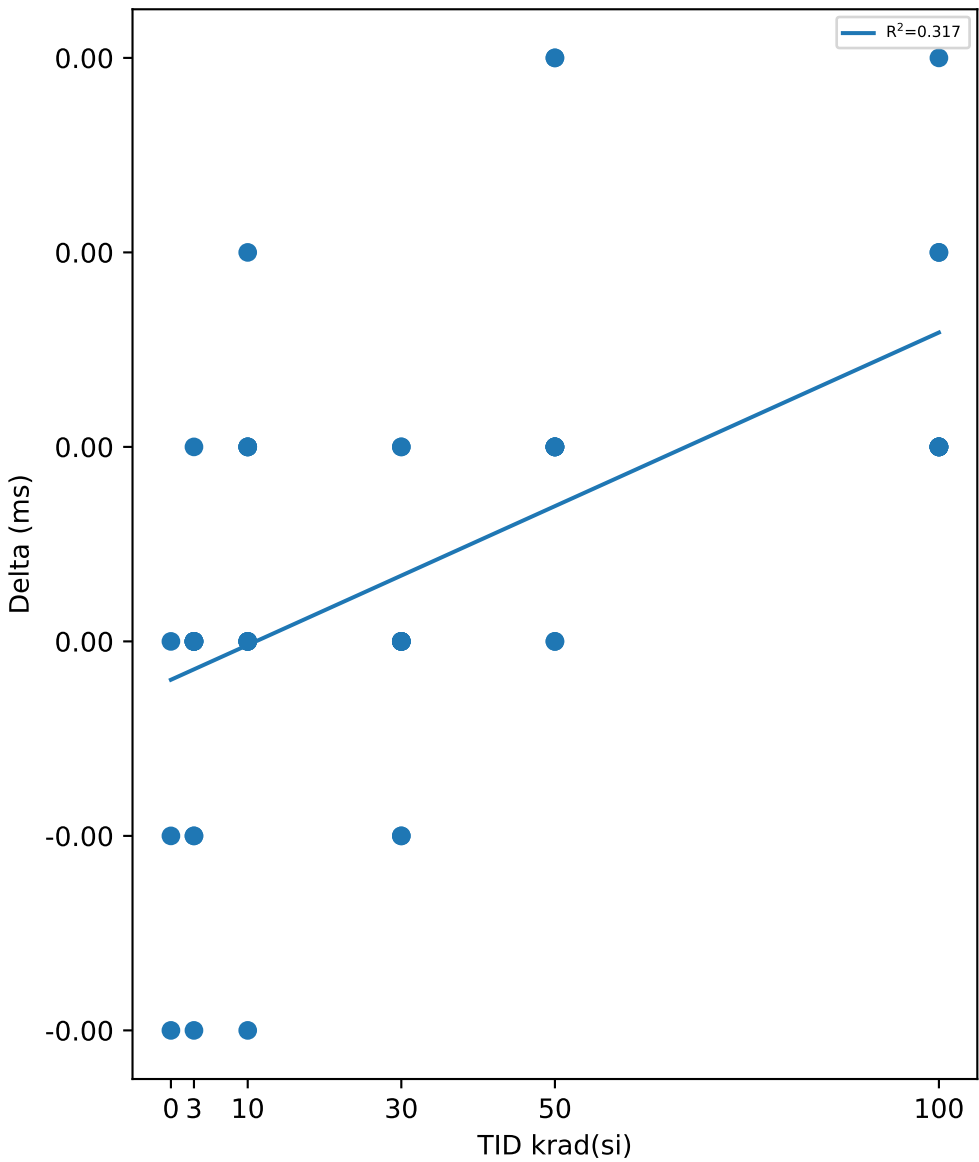
Test Statistics (s)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|------------|
| 0        | 0.525            | 0.529            | 0.534            | 0.0045826        | 0.524             | 0.52867           | 0.534             | 0.0050332         | -0.001    | -0.00033333 | 0         | 0.00057735 |
| 3        | 0.521            | 0.5256           | 0.531            | 0.0027968        | 0.52              | 0.5256            | 0.532             | 0.0032042         | -0.001    | 0           | 0.001     | 0.0004714  |
| 10       | 0.52             | 0.5253           | 0.531            | 0.0031287        | 0.522             | 0.5256            | 0.53              | 0.0024129         | -0.001    | 0.0003      | 0.003     | 0.0012517  |
| 30       | 0.518            | 0.5254           | 0.532            | 0.0042216        | 0.519             | 0.5258            | 0.532             | 0.0043665         | -0.001    | 0.0004      | 0.001     | 0.00069921 |
| 50       | 0.522            | 0.5253           | 0.532            | 0.0034976        | 0.523             | 0.5264            | 0.533             | 0.0032387         | 0         | 0.0011      | 0.003     | 0.00099443 |
| 100      | 0.517            | 0.5245           | 0.533            | 0.0048591        | 0.517             | 0.5263            | 0.536             | 0.0054985         | 0         | 0.0018      | 0.004     | 0.0014757  |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



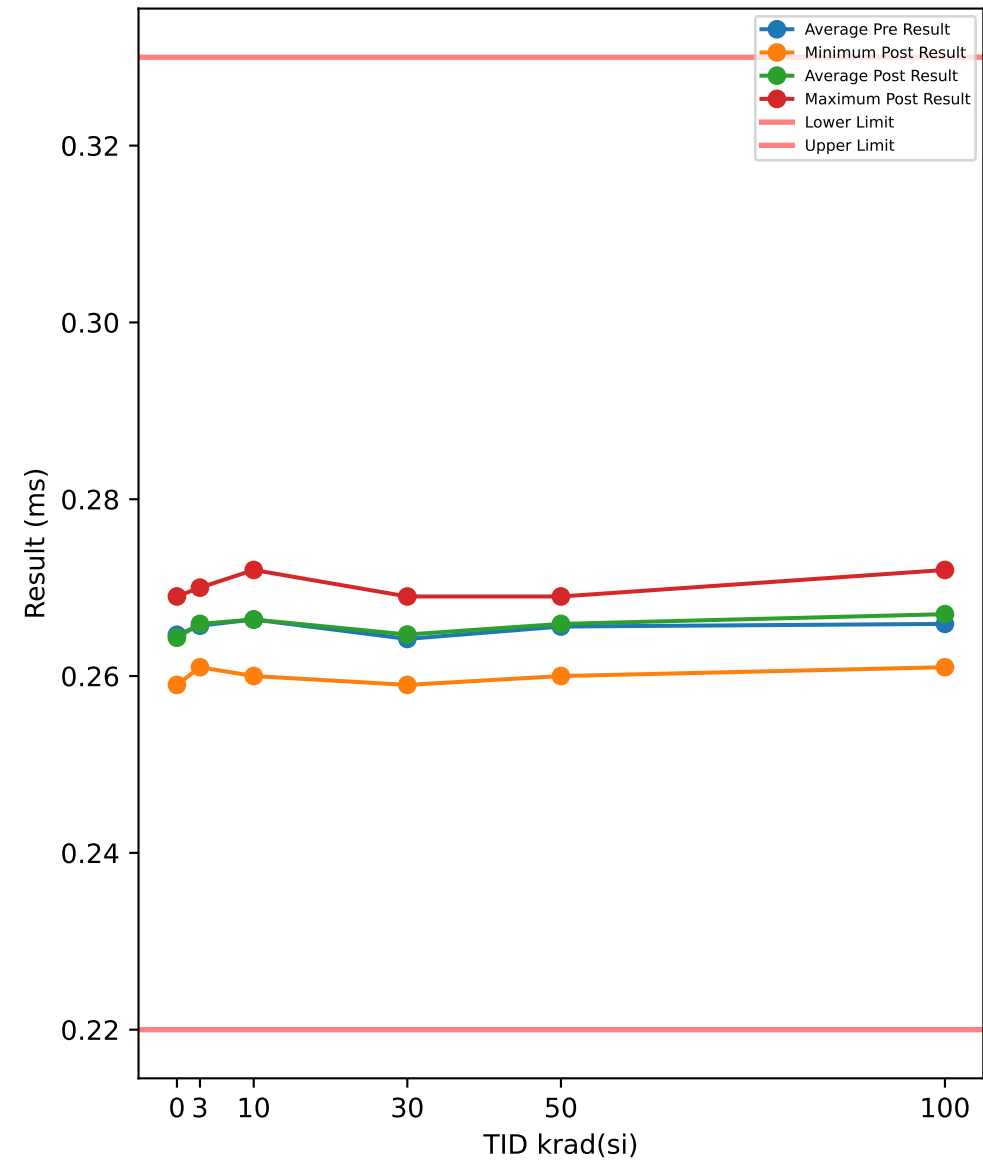
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.269      | 0.268       | -0.001 |
| 301      | 0        | Correlation         | 0.267      | 0.267       | 0      |
| 302      | 0        | Correlation         | 0.261      | 0.259       | -0.002 |
| 303      | 3        | Bias                | 0.261      | 0.262       | 0.001  |
| 304      | 3        | Bias                | 0.26       | 0.26        | 0      |
| 305      | 3        | Bias                | 0.27       | 0.268       | -0.002 |
| 306      | 3        | Bias                | 0.267      | 0.267       | 0      |
| 307      | 3        | Bias                | 0.268      | 0.268       | 0      |
| 308      | 3        | Unbiased            | 0.268      | 0.267       | -0.001 |
| 309      | 3        | Unbiased            | 0.27       | 0.27        | 0      |
| 310      | 3        | Unbiased            | 0.27       | 0.27        | 0      |
| 311      | 3        | Unbiased            | 0.26       | 0.26        | 0      |
| 312      | 3        | Unbiased            | 0.262      | 0.261       | -0.001 |
| 313      | 10       | Bias                | 0.261      | 0.261       | 0      |
| 314      | 10       | Bias                | 0.259      | 0.259       | 0      |
| 315      | 10       | Bias                | 0.26       | 0.261       | 0.001  |
| 316      | 10       | Bias                | 0.267      | 0.268       | 0.001  |
| 317      | 10       | Bias                | 0.269      | 0.27        | 0.001  |
| 318      | 10       | Unbiased            | 0.271      | 0.271       | 0      |
| 319      | 10       | Unbiased            | 0.262      | 0.26        | -0.002 |
| 320      | 10       | Unbiased            | 0.27       | 0.271       | 0.001  |
| 321      | 10       | Unbiased            | 0.269      | 0.271       | 0.002  |
| 322      | 10       | Unbiased            | 0.27       | 0.27        | 0      |
| 323      | 30       | Bias                | 0.261      | 0.261       | 0      |
| 324      | 30       | Bias                | 0.262      | 0.262       | 0      |
| 325      | 30       | Bias                | 0.268      | 0.269       | 0.001  |
| 326      | 30       | Bias                | 0.266      | 0.266       | 0      |
| 327      | 30       | Bias                | 0.258      | 0.259       | 0.001  |
| 328      | 30       | Unbiased            | 0.269      | 0.268       | -0.001 |
| 329      | 30       | Unbiased            | 0.263      | 0.262       | -0.001 |
| 330      | 30       | Unbiased            | 0.259      | 0.259       | 0      |
| 331      | 30       | Unbiased            | 0.268      | 0.268       | 0      |
| 332      | 30       | Unbiased            | 0.269      | 0.269       | 0      |
| 333      | 50       | Bias                | 0.266      | 0.269       | 0.003  |
| 334      | 50       | Bias                | 0.268      | 0.269       | 0.001  |
| 335      | 50       | Bias                | 0.261      | 0.262       | 0.001  |
| 336      | 50       | Bias                | 0.269      | 0.27        | 0.001  |
| 337      | 50       | Bias                | 0.262      | 0.262       | 0      |
| 338      | 50       | Unbiased            | 0.266      | 0.267       | 0.001  |
| 339      | 50       | Unbiased            | 0.265      | 0.265       | 0      |
| 340      | 50       | Unbiased            | 0.268      | 0.269       | 0.001  |
| 341      | 50       | Unbiased            | 0.268      | 0.271       | 0.003  |
| 342      | 50       | Unbiased            | 0.263      | 0.264       | 0.001  |
| 343      | 100      | Bias                | 0.268      | 0.27        | 0.002  |
| 344      | 100      | Bias                | 0.267      | 0.268       | 0.001  |
| 345      | 100      | Bias                | 0.262      | 0.263       | 0.001  |
| 346      | 100      | Bias                | 0.262      | 0.263       | 0.001  |
| 347      | 100      | Bias                | 0.262      | 0.263       | 0.001  |
| 348      | 100      | Unbiased            | 0.27       | 0.273       | 0.003  |
| 349      | 100      | Unbiased            | 0.261      | 0.262       | 0.001  |
| 350      | 100      | Unbiased            | 0.27       | 0.272       | 0.002  |
| 351      | 100      | Unbiased            | 0.27       | 0.271       | 0.001  |
| 352      | 100      | Unbiased            | 0.268      | 0.269       | 0.001  |

Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| 0        | 0.261            | 0.26567          | 0.269            | 0.0041633        | 0.259             | 0.26467           | 0.268             | 0.0049329         | -0.002    | -0.001    | 0         | 0.001      |
| 3        | 0.26             | 0.2656           | 0.27             | 0.0043256        | 0.26              | 0.2653            | 0.27              | 0.0040838         | -0.002    | -0.0003   | 0.001     | 0.00082327 |
| 10       | 0.259            | 0.2658           | 0.271            | 0.0047329        | 0.259             | 0.2662            | 0.271             | 0.0052239         | -0.002    | 0.0004    | 0.002     | 0.001075   |
| 30       | 0.258            | 0.2643           | 0.269            | 0.0042177        | 0.259             | 0.2643            | 0.269             | 0.004111          | -0.001    | 0         | 0.001     | 0.00066667 |
| 50       | 0.261            | 0.2656           | 0.269            | 0.0027968        | 0.262             | 0.2668            | 0.271             | 0.0033267         | 0         | 0.0012    | 0.003     | 0.0010328  |
| 100      | 0.261            | 0.266            | 0.27             | 0.0038006        | 0.262             | 0.2674            | 0.273             | 0.0042479         | 0.001     | 0.0014    | 0.003     | 0.00069921 |

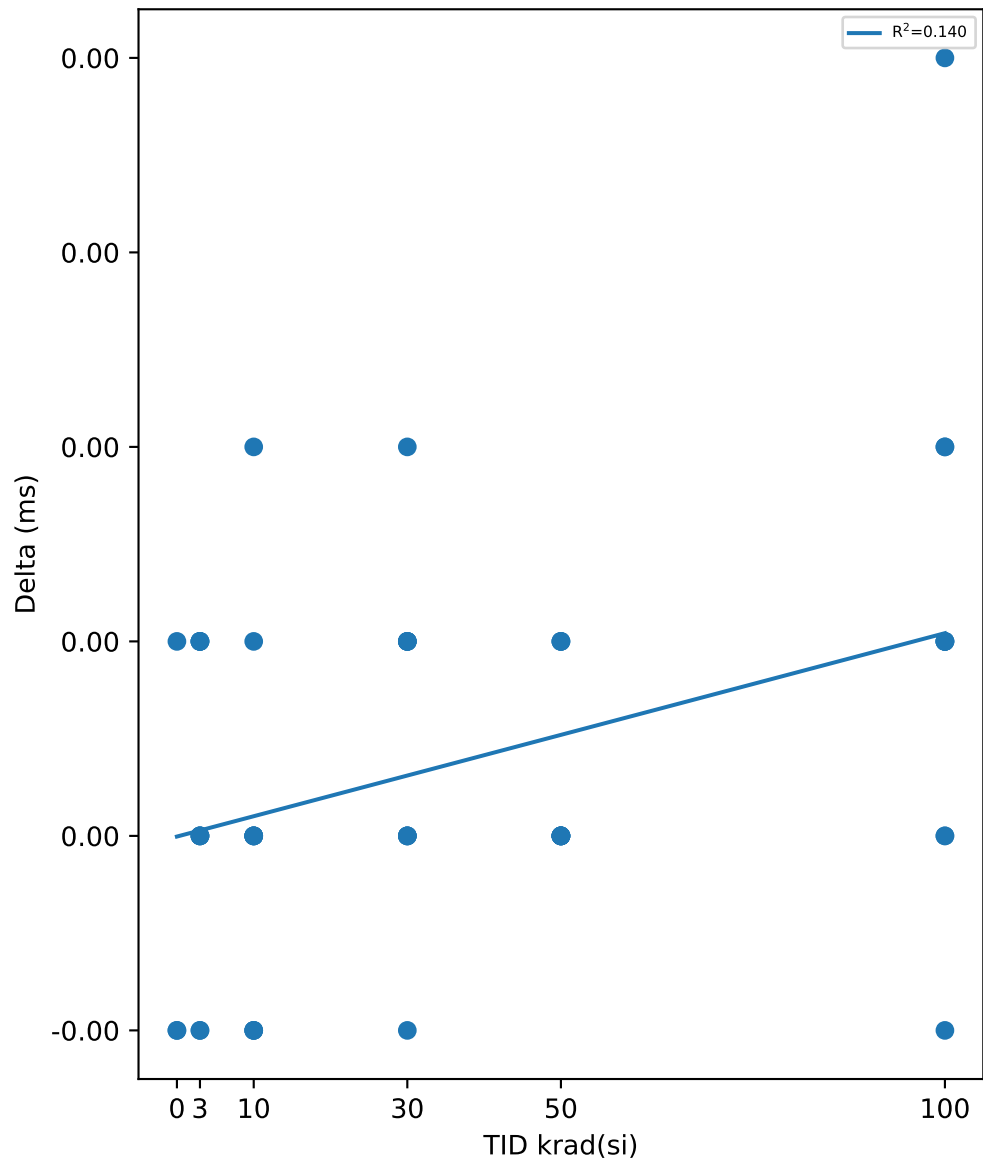
TID vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.268      | 0.269       | 0.001  |
| 301      | 0        | Correlation         | 0.266      | 0.265       | -0.001 |
| 302      | 0        | Correlation         | 0.26       | 0.259       | -0.001 |
| 303      | 3        | Bias                | 0.262      | 0.262       | 0      |
| 304      | 3        | Bias                | 0.261      | 0.261       | 0      |
| 305      | 3        | Bias                | 0.269      | 0.268       | -0.001 |
| 306      | 3        | Bias                | 0.268      | 0.269       | 0.001  |
| 307      | 3        | Bias                | 0.268      | 0.269       | 0.001  |
| 308      | 3        | Unbiased            | 0.267      | 0.268       | 0.001  |
| 309      | 3        | Unbiased            | 0.27       | 0.27        | 0      |
| 310      | 3        | Unbiased            | 0.269      | 0.27        | 0.001  |
| 311      | 3        | Unbiased            | 0.261      | 0.261       | 0      |
| 312      | 3        | Unbiased            | 0.262      | 0.261       | -0.001 |
| 313      | 10       | Bias                | 0.262      | 0.262       | 0      |
| 314      | 10       | Bias                | 0.26       | 0.26        | 0      |
| 315      | 10       | Bias                | 0.261      | 0.261       | 0      |
| 316      | 10       | Bias                | 0.267      | 0.269       | 0.002  |
| 317      | 10       | Bias                | 0.269      | 0.269       | 0      |
| 318      | 10       | Unbiased            | 0.271      | 0.272       | 0.001  |
| 319      | 10       | Unbiased            | 0.262      | 0.261       | -0.001 |
| 320      | 10       | Unbiased            | 0.271      | 0.27        | -0.001 |
| 321      | 10       | Unbiased            | 0.27       | 0.269       | -0.001 |
| 322      | 10       | Unbiased            | 0.271      | 0.271       | 0      |
| 323      | 30       | Bias                | 0.261      | 0.261       | 0      |
| 324      | 30       | Bias                | 0.261      | 0.262       | 0.001  |
| 325      | 30       | Bias                | 0.268      | 0.268       | 0      |
| 326      | 30       | Bias                | 0.266      | 0.268       | 0.002  |
| 327      | 30       | Bias                | 0.259      | 0.26        | 0.001  |
| 328      | 30       | Unbiased            | 0.268      | 0.268       | 0      |
| 329      | 30       | Unbiased            | 0.262      | 0.263       | 0.001  |
| 330      | 30       | Unbiased            | 0.26       | 0.259       | -0.001 |
| 331      | 30       | Unbiased            | 0.269      | 0.269       | 0      |
| 332      | 30       | Unbiased            | 0.268      | 0.269       | 0.001  |
| 333      | 50       | Bias                | 0.267      | 0.268       | 0.001  |
| 334      | 50       | Bias                | 0.269      | 0.269       | 0      |
| 335      | 50       | Bias                | 0.26       | 0.26        | 0      |
| 336      | 50       | Bias                | 0.269      | 0.269       | 0      |
| 337      | 50       | Bias                | 0.261      | 0.261       | 0      |
| 338      | 50       | Unbiased            | 0.266      | 0.266       | 0      |
| 339      | 50       | Unbiased            | 0.265      | 0.265       | 0      |
| 340      | 50       | Unbiased            | 0.268      | 0.269       | 0.001  |
| 341      | 50       | Unbiased            | 0.269      | 0.269       | 0      |
| 342      | 50       | Unbiased            | 0.262      | 0.263       | 0.001  |
| 343      | 100      | Bias                | 0.269      | 0.269       | 0      |
| 344      | 100      | Bias                | 0.267      | 0.268       | 0.001  |
| 345      | 100      | Bias                | 0.261      | 0.265       | 0.004  |
| 346      | 100      | Bias                | 0.261      | 0.262       | 0.001  |
| 347      | 100      | Bias                | 0.261      | 0.263       | 0.002  |
| 348      | 100      | Unbiased            | 0.271      | 0.271       | 0      |
| 349      | 100      | Unbiased            | 0.262      | 0.261       | -0.001 |
| 350      | 100      | Unbiased            | 0.271      | 0.272       | 0.001  |
| 351      | 100      | Unbiased            | 0.269      | 0.27        | 0.001  |
| 352      | 100      | Unbiased            | 0.267      | 0.269       | 0.002  |

TID vs Post - Pre Exposure Delta

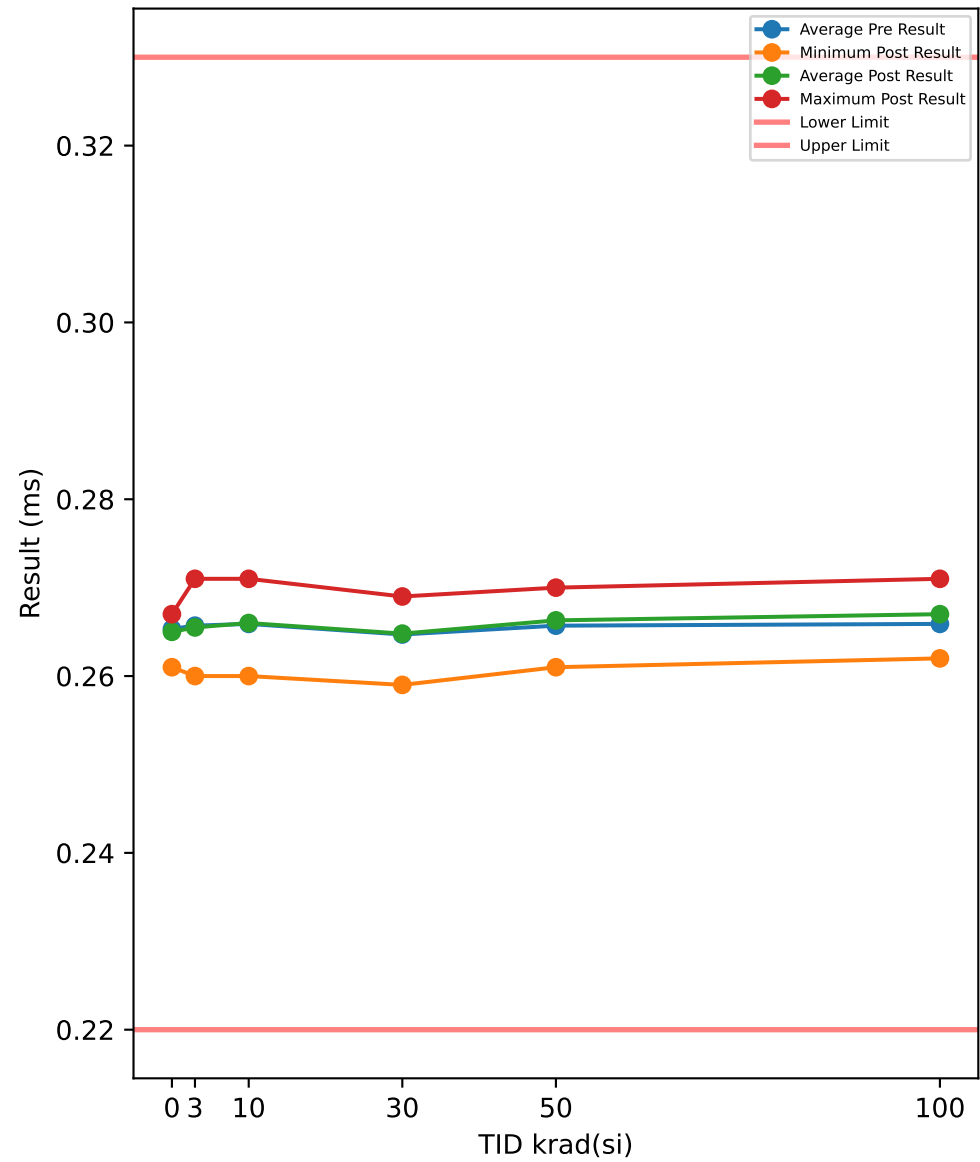


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|------------|
| 0        | 0.26             | 0.26467          | 0.268            | 0.0041633        | 0.259             | 0.26433           | 0.269             | 0.0050332         | -0.001    | -0.00033333 | 0.001     | 0.0011547  |
| 3        | 0.261            | 0.2657           | 0.27             | 0.0037133        | 0.261             | 0.2659            | 0.27              | 0.0040675         | -0.001    | 0.0002      | 0.001     | 0.00078881 |
| 10       | 0.26             | 0.2664           | 0.271            | 0.0046236        | 0.26              | 0.2664            | 0.272             | 0.0047656         | -0.001    | 0           | 0.002     | 0.00094281 |
| 30       | 0.259            | 0.2642           | 0.269            | 0.0039384        | 0.259             | 0.2647            | 0.269             | 0.0040565         | -0.001    | 0.0005      | 0.002     | 0.00084984 |
| 50       | 0.26             | 0.2656           | 0.269            | 0.0034705        | 0.26              | 0.2659            | 0.269             | 0.0035103         | 0         | 0.0003      | 0.001     | 0.00048305 |
| 100      | 0.261            | 0.2659           | 0.271            | 0.0042282        | 0.261             | 0.267             | 0.272             | 0.0039441         | -0.001    | 0.0011      | 0.004     | 0.0013703  |

Device Test: 5.25 ; DLY\_TMR\_10KOHM

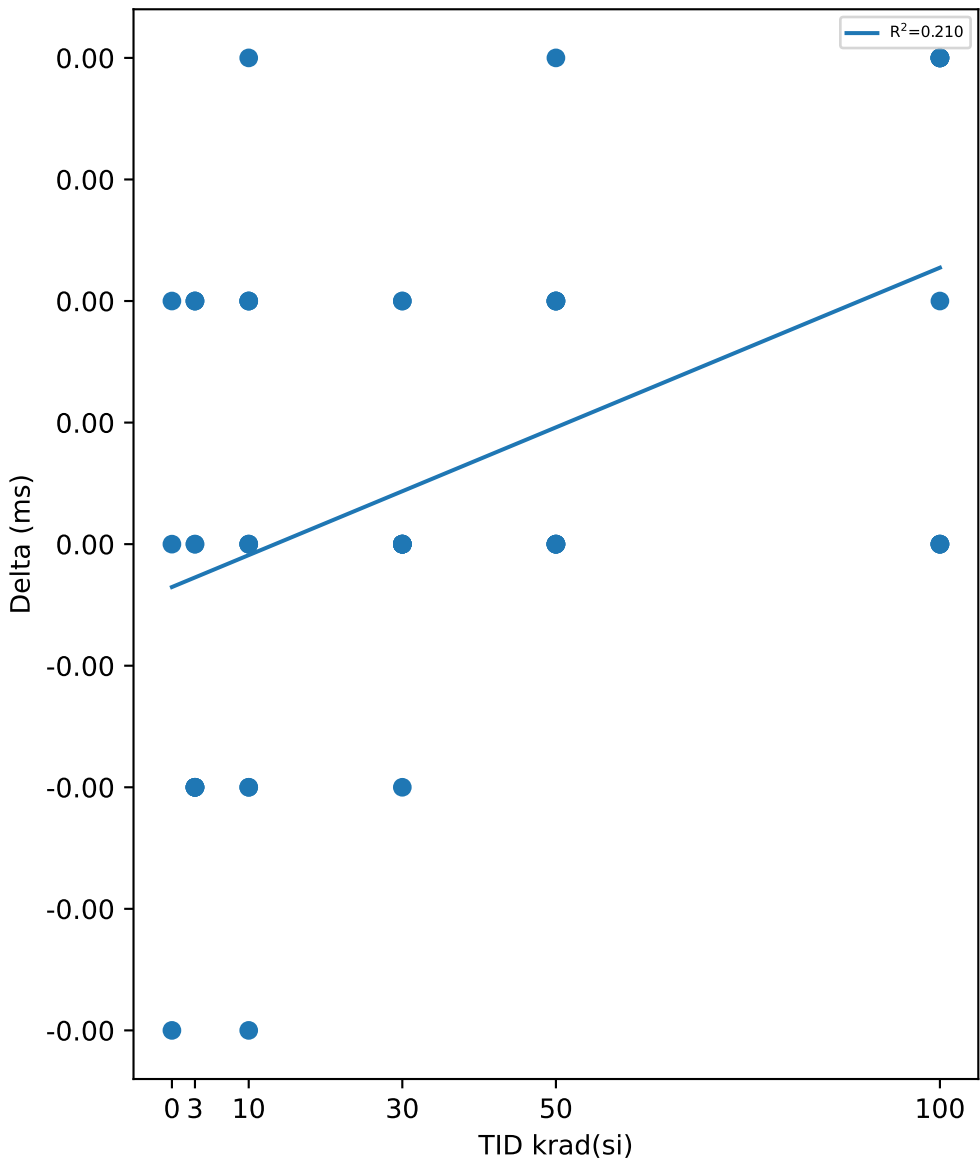
TID vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.269      | 0.267       | -0.002 |
| 301      | 0        | Correlation         | 0.267      | 0.267       | 0      |
| 302      | 0        | Correlation         | 0.26       | 0.261       | 0.001  |
| 303      | 3        | Bias                | 0.262      | 0.261       | -0.001 |
| 304      | 3        | Bias                | 0.259      | 0.26        | 0.001  |
| 305      | 3        | Bias                | 0.269      | 0.269       | 0      |
| 306      | 3        | Bias                | 0.268      | 0.267       | -0.001 |
| 307      | 3        | Bias                | 0.269      | 0.268       | -0.001 |
| 308      | 3        | Unbiased            | 0.266      | 0.267       | 0.001  |
| 309      | 3        | Unbiased            | 0.271      | 0.271       | 0      |
| 310      | 3        | Unbiased            | 0.27       | 0.269       | -0.001 |
| 311      | 3        | Unbiased            | 0.261      | 0.262       | 0.001  |
| 312      | 3        | Unbiased            | 0.262      | 0.261       | -0.001 |
| 313      | 10       | Bias                | 0.26       | 0.26        | 0      |
| 314      | 10       | Bias                | 0.261      | 0.26        | -0.001 |
| 315      | 10       | Bias                | 0.261      | 0.261       | 0      |
| 316      | 10       | Bias                | 0.267      | 0.268       | 0.001  |
| 317      | 10       | Bias                | 0.269      | 0.268       | -0.001 |
| 318      | 10       | Unbiased            | 0.272      | 0.27        | -0.002 |
| 319      | 10       | Unbiased            | 0.261      | 0.261       | 0      |
| 320      | 10       | Unbiased            | 0.269      | 0.27        | 0.001  |
| 321      | 10       | Unbiased            | 0.269      | 0.271       | 0.002  |
| 322      | 10       | Unbiased            | 0.27       | 0.271       | 0.001  |
| 323      | 30       | Bias                | 0.261      | 0.262       | 0.001  |
| 324      | 30       | Bias                | 0.262      | 0.262       | 0      |
| 325      | 30       | Bias                | 0.269      | 0.269       | 0      |
| 326      | 30       | Bias                | 0.267      | 0.267       | 0      |
| 327      | 30       | Bias                | 0.259      | 0.259       | 0      |
| 328      | 30       | Unbiased            | 0.268      | 0.268       | 0      |
| 329      | 30       | Unbiased            | 0.263      | 0.263       | 0      |
| 330      | 30       | Unbiased            | 0.26       | 0.26        | 0      |
| 331      | 30       | Unbiased            | 0.27       | 0.269       | -0.001 |
| 332      | 30       | Unbiased            | 0.268      | 0.269       | 0.001  |
| 333      | 50       | Bias                | 0.267      | 0.268       | 0.001  |
| 334      | 50       | Bias                | 0.268      | 0.268       | 0      |
| 335      | 50       | Bias                | 0.26       | 0.261       | 0.001  |
| 336      | 50       | Bias                | 0.268      | 0.27        | 0.002  |
| 337      | 50       | Bias                | 0.262      | 0.262       | 0      |
| 338      | 50       | Unbiased            | 0.267      | 0.267       | 0      |
| 339      | 50       | Unbiased            | 0.265      | 0.265       | 0      |
| 340      | 50       | Unbiased            | 0.268      | 0.269       | 0.001  |
| 341      | 50       | Unbiased            | 0.269      | 0.269       | 0      |
| 342      | 50       | Unbiased            | 0.263      | 0.264       | 0.001  |
| 343      | 100      | Bias                | 0.269      | 0.271       | 0.002  |
| 344      | 100      | Bias                | 0.268      | 0.268       | 0      |
| 345      | 100      | Bias                | 0.261      | 0.263       | 0.002  |
| 346      | 100      | Bias                | 0.262      | 0.262       | 0      |
| 347      | 100      | Bias                | 0.261      | 0.263       | 0.002  |
| 348      | 100      | Unbiased            | 0.271      | 0.271       | 0      |
| 349      | 100      | Unbiased            | 0.26       | 0.262       | 0.002  |
| 350      | 100      | Unbiased            | 0.27       | 0.271       | 0.001  |
| 351      | 100      | Unbiased            | 0.269      | 0.271       | 0.002  |
| 352      | 100      | Unbiased            | 0.268      | 0.268       | 0      |

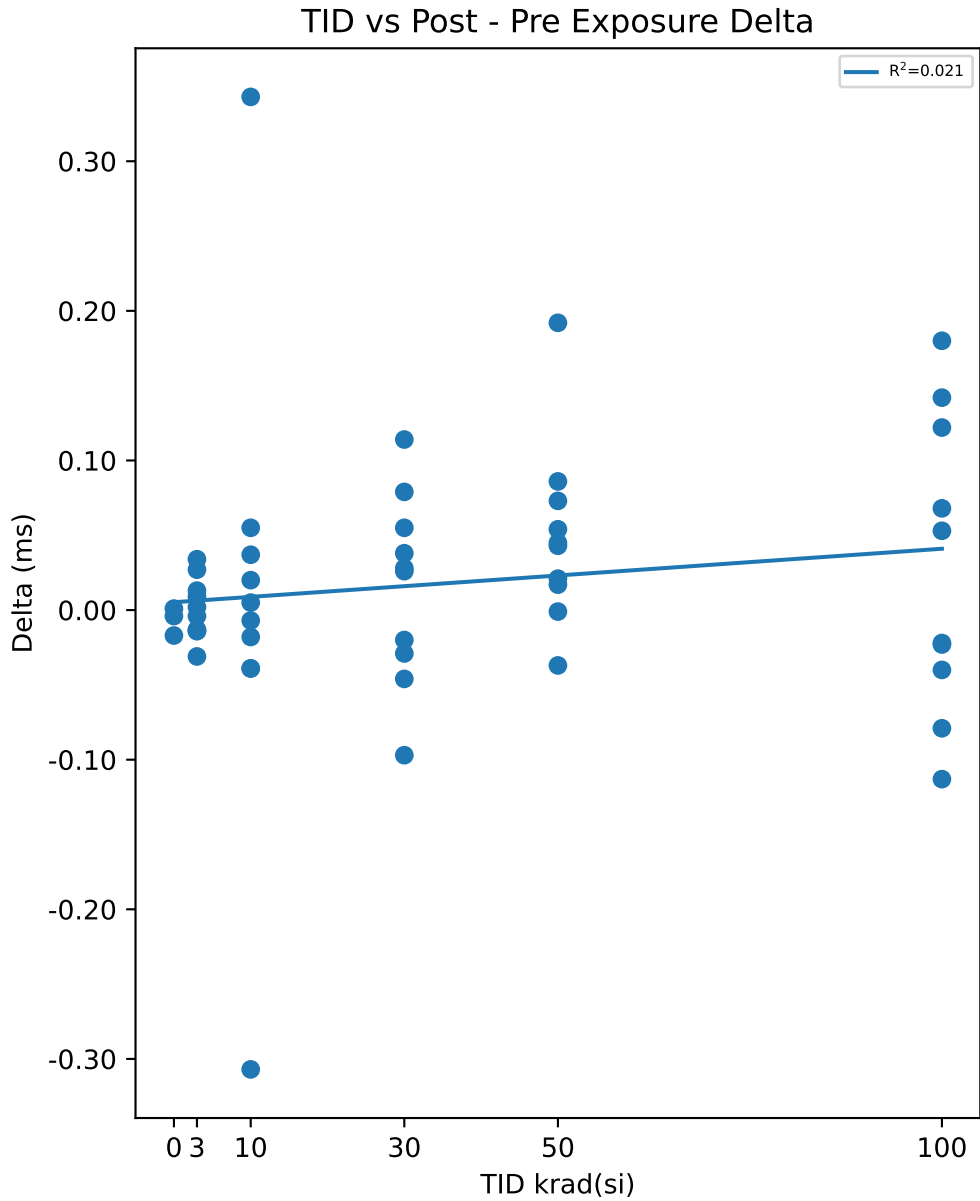
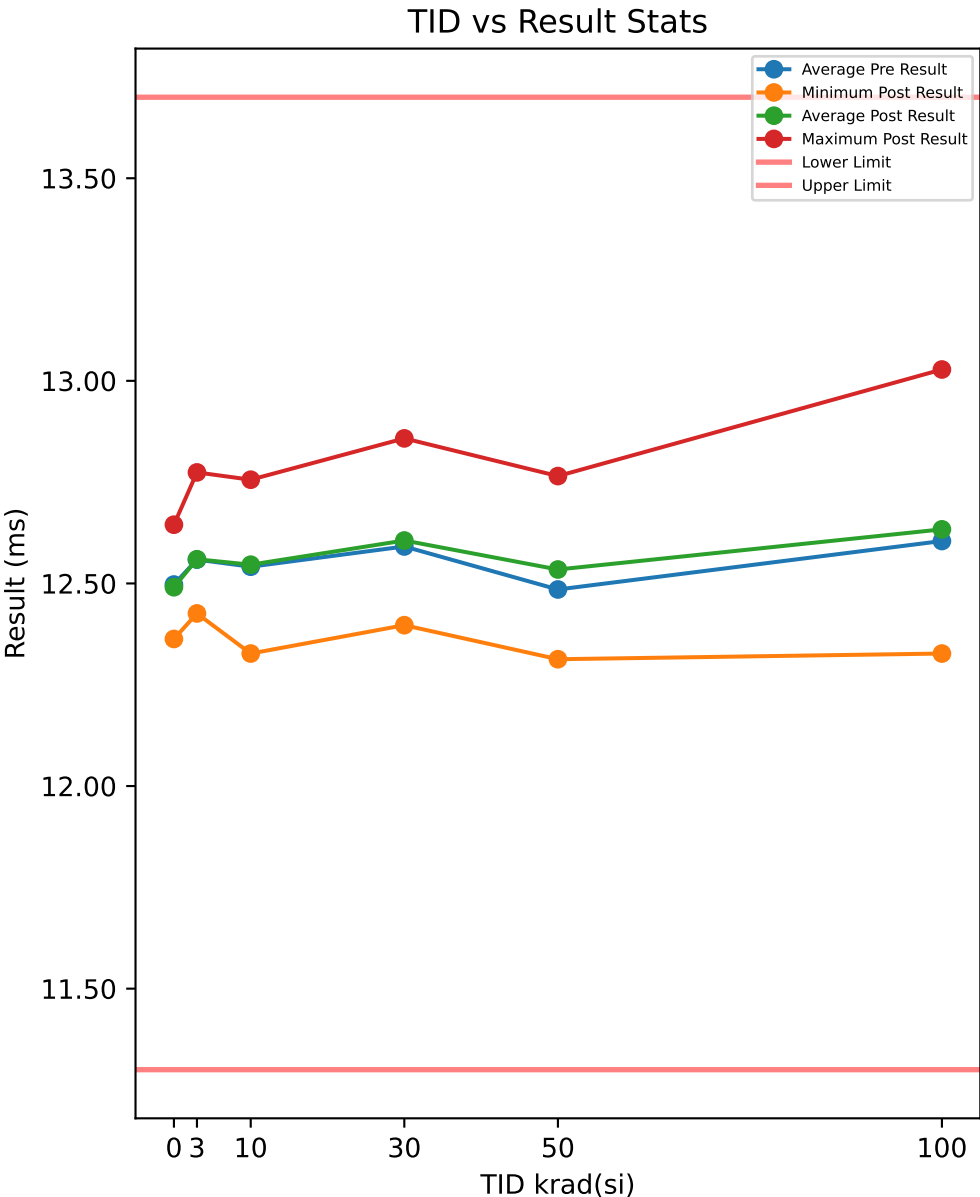
TID vs Post - Pre Exposure Delta



Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|------------|
| 0        | 0.26             | 0.26533          | 0.269            | 0.0047258        | 0.261             | 0.265             | 0.267             | 0.0034641         | -0.002    | -0.00033333 | 0.001     | 0.0015275  |
| 3        | 0.259            | 0.2657           | 0.271            | 0.0043218        | 0.26              | 0.2655            | 0.271             | 0.004062          | -0.001    | -0.0002     | 0.001     | 0.00091894 |
| 10       | 0.26             | 0.2659           | 0.272            | 0.0046056        | 0.26              | 0.266             | 0.271             | 0.0048534         | -0.002    | 0.0001      | 0.002     | 0.0011972  |
| 30       | 0.259            | 0.2647           | 0.27             | 0.004111         | 0.259             | 0.2648            | 0.269             | 0.0039944         | -0.001    | 0.0001      | 0.001     | 0.00056765 |
| 50       | 0.26             | 0.2657           | 0.269            | 0.0030569        | 0.261             | 0.2663            | 0.27              | 0.0031287         | 0         | 0.0006      | 0.002     | 0.00069921 |
| 100      | 0.26             | 0.2659           | 0.271            | 0.0043321        | 0.262             | 0.267             | 0.271             | 0.0040552         | 0         | 0.0011      | 0.002     | 0.00099443 |



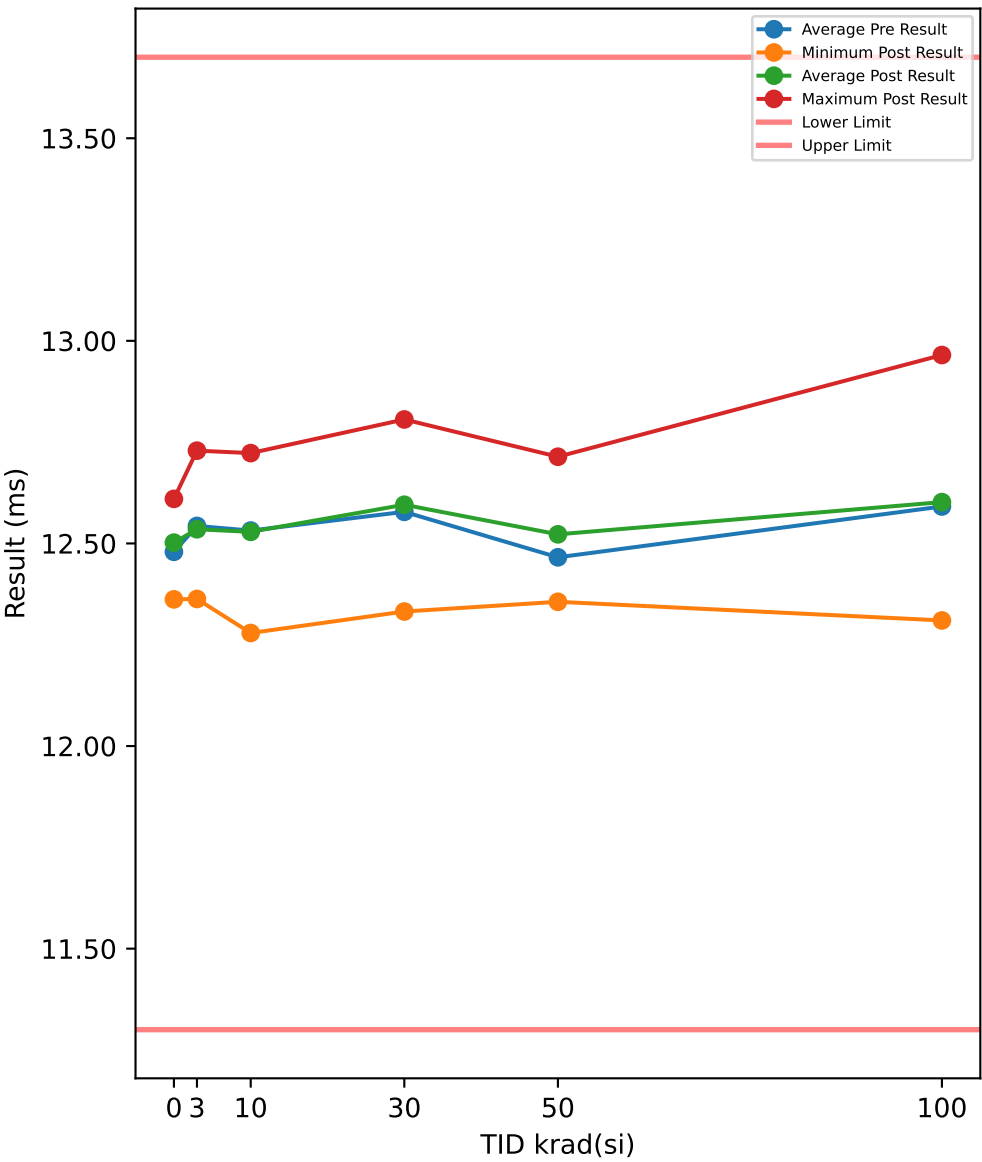


| Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms)) |          |                     |            |             |        |
|------------------------------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                                   | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                                        | 0        | Correlation         | 12.662     | 12.645      | -0.017 |
| 301                                                        | 0        | Correlation         | 12.463     | 12.464      | 0.001  |
| 302                                                        | 0        | Correlation         | 12.367     | 12.363      | -0.004 |
| 303                                                        | 3        | Bias                | 12.462     | 12.475      | 0.013  |
| 304                                                        | 3        | Bias                | 12.437     | 12.471      | 0.034  |
| 305                                                        | 3        | Bias                | 12.713     | 12.699      | -0.014 |
| 306                                                        | 3        | Bias                | 12.704     | 12.69       | -0.014 |
| 307                                                        | 3        | Bias                | 12.463     | 12.45       | -0.013 |
| 308                                                        | 3        | Unbiased            | 12.399     | 12.426      | 0.027  |
| 309                                                        | 3        | Unbiased            | 12.772     | 12.774      | 0.002  |
| 310                                                        | 3        | Unbiased            | 12.725     | 12.694      | -0.031 |
| 311                                                        | 3        | Unbiased            | 12.438     | 12.434      | -0.004 |
| 312                                                        | 3        | Unbiased            | 12.475     | 12.484      | 0.009  |
| 313                                                        | 10       | Bias                | 12.348     | 12.353      | 0.005  |
| 314                                                        | 10       | Bias                | 12.471     | 12.432      | -0.039 |
| 315                                                        | 10       | Bias                | 12.339     | 12.332      | -0.007 |
| 316                                                        | 10       | Bias                | 12.566     | 12.621      | 0.055  |
| 317                                                        | 10       | Bias                | 12.725     | 12.745      | 0.02   |
| 318                                                        | 10       | Unbiased            | 12.738     | 12.699      | -0.039 |
| 319                                                        | 10       | Unbiased            | 12.345     | 12.327      | -0.018 |
| 320                                                        | 10       | Unbiased            | 12.762     | 12.455      | -0.307 |
| 321                                                        | 10       | Unbiased            | 12.413     | 12.756      | 0.343  |
| 322                                                        | 10       | Unbiased            | 12.706     | 12.743      | 0.037  |
| 323                                                        | 30       | Bias                | 12.522     | 12.476      | -0.046 |
| 324                                                        | 30       | Bias                | 12.467     | 12.447      | -0.02  |
| 325                                                        | 30       | Bias                | 12.657     | 12.695      | 0.038  |
| 326                                                        | 30       | Bias                | 12.604     | 12.718      | 0.114  |
| 327                                                        | 30       | Bias                | 12.371     | 12.397      | 0.026  |
| 328                                                        | 30       | Unbiased            | 12.653     | 12.624      | -0.029 |
| 329                                                        | 30       | Unbiased            | 12.779     | 12.858      | 0.079  |
| 330                                                        | 30       | Unbiased            | 12.636     | 12.539      | -0.097 |
| 331                                                        | 30       | Unbiased            | 12.434     | 12.462      | 0.028  |
| 332                                                        | 30       | Unbiased            | 12.789     | 12.844      | 0.055  |
| 333                                                        | 50       | Bias                | 12.443     | 12.497      | 0.054  |
| 334                                                        | 50       | Bias                | 12.722     | 12.765      | 0.043  |
| 335                                                        | 50       | Bias                | 12.426     | 12.512      | 0.086  |
| 336                                                        | 50       | Bias                | 12.572     | 12.764      | 0.192  |
| 337                                                        | 50       | Bias                | 12.35      | 12.313      | -0.037 |
| 338                                                        | 50       | Unbiased            | 12.325     | 12.346      | 0.021  |
| 339                                                        | 50       | Unbiased            | 12.359     | 12.432      | 0.073  |
| 340                                                        | 50       | Unbiased            | 12.466     | 12.465      | -0.001 |
| 341                                                        | 50       | Unbiased            | 12.676     | 12.721      | 0.045  |
| 342                                                        | 50       | Unbiased            | 12.512     | 12.529      | 0.017  |
| 343                                                        | 100      | Bias                | 12.603     | 12.671      | 0.068  |
| 344                                                        | 100      | Bias                | 12.421     | 12.399      | -0.022 |
| 345                                                        | 100      | Bias                | 12.757     | 12.734      | -0.023 |
| 346                                                        | 100      | Bias                | 12.44      | 12.327      | -0.113 |
| 347                                                        | 100      | Bias                | 12.285     | 12.427      | 0.142  |
| 348                                                        | 100      | Unbiased            | 12.848     | 13.028      | 0.18   |
| 349                                                        | 100      | Unbiased            | 12.67      | 12.591      | -0.079 |
| 350                                                        | 100      | Unbiased            | 12.757     | 12.717      | -0.04  |
| 351                                                        | 100      | Unbiased            | 12.804     | 12.926      | 0.122  |
| 352                                                        | 100      | Unbiased            | 12.462     | 12.515      | 0.053  |

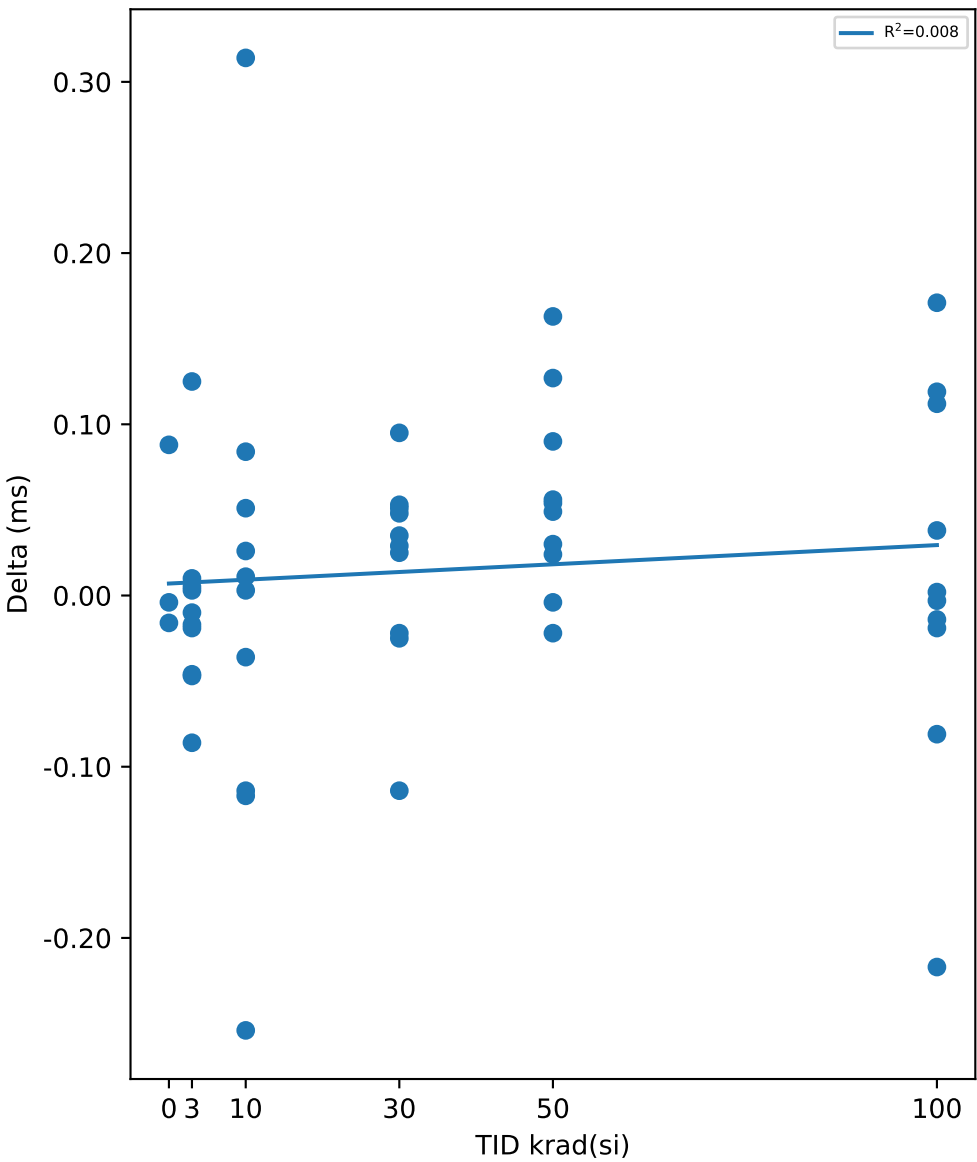
Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 12.367           | 12.497           | 12.662           | 0.15047          | 12.363            | 12.491            | 12.645            | 0.14288           | -0.017    | -0.0066667 | 0.001     | 0.0092916 |
| 3        | 12.399           | 12.559           | 12.772           | 0.1485           | 12.426            | 12.56             | 12.774            | 0.13615           | -0.031    | 0.0009     | 0.034     | 0.02019   |
| 10       | 12.339           | 12.541           | 12.762           | 0.17861          | 12.327            | 12.546            | 12.756            | 0.18373           | -0.307    | 0.005      | 0.343     | 0.15631   |
| 30       | 12.371           | 12.591           | 12.789           | 0.14068          | 12.397            | 12.606            | 12.858            | 0.16734           | -0.097    | 0.0148     | 0.114     | 0.063018  |
| 50       | 12.325           | 12.485           | 12.722           | 0.13591          | 12.313            | 12.534            | 12.765            | 0.16413           | -0.037    | 0.0493     | 0.192     | 0.061621  |
| 100      | 12.285           | 12.605           | 12.848           | 0.19236          | 12.327            | 12.633            | 13.028            | 0.22781           | -0.113    | 0.0288     | 0.18      | 0.099     |

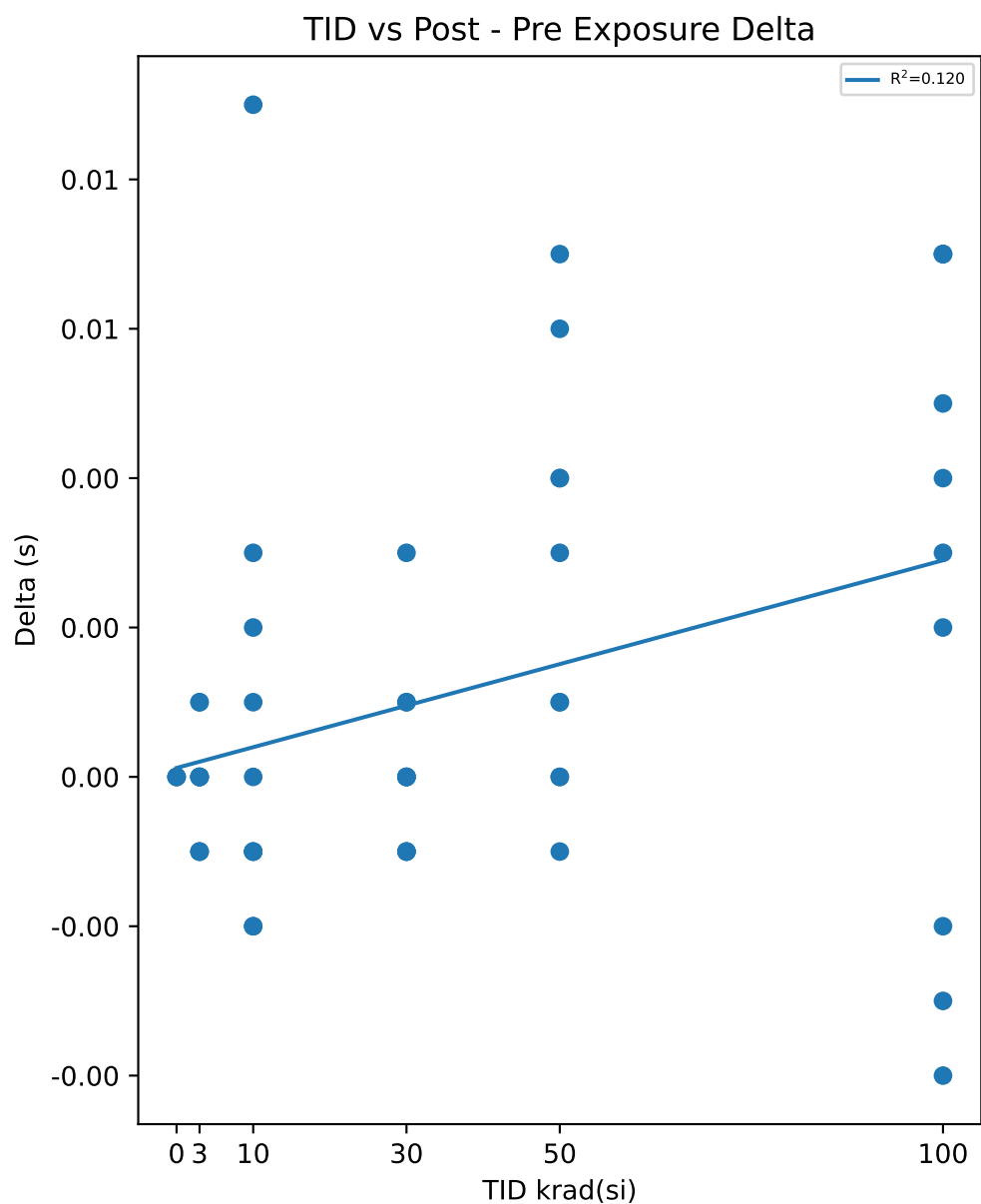
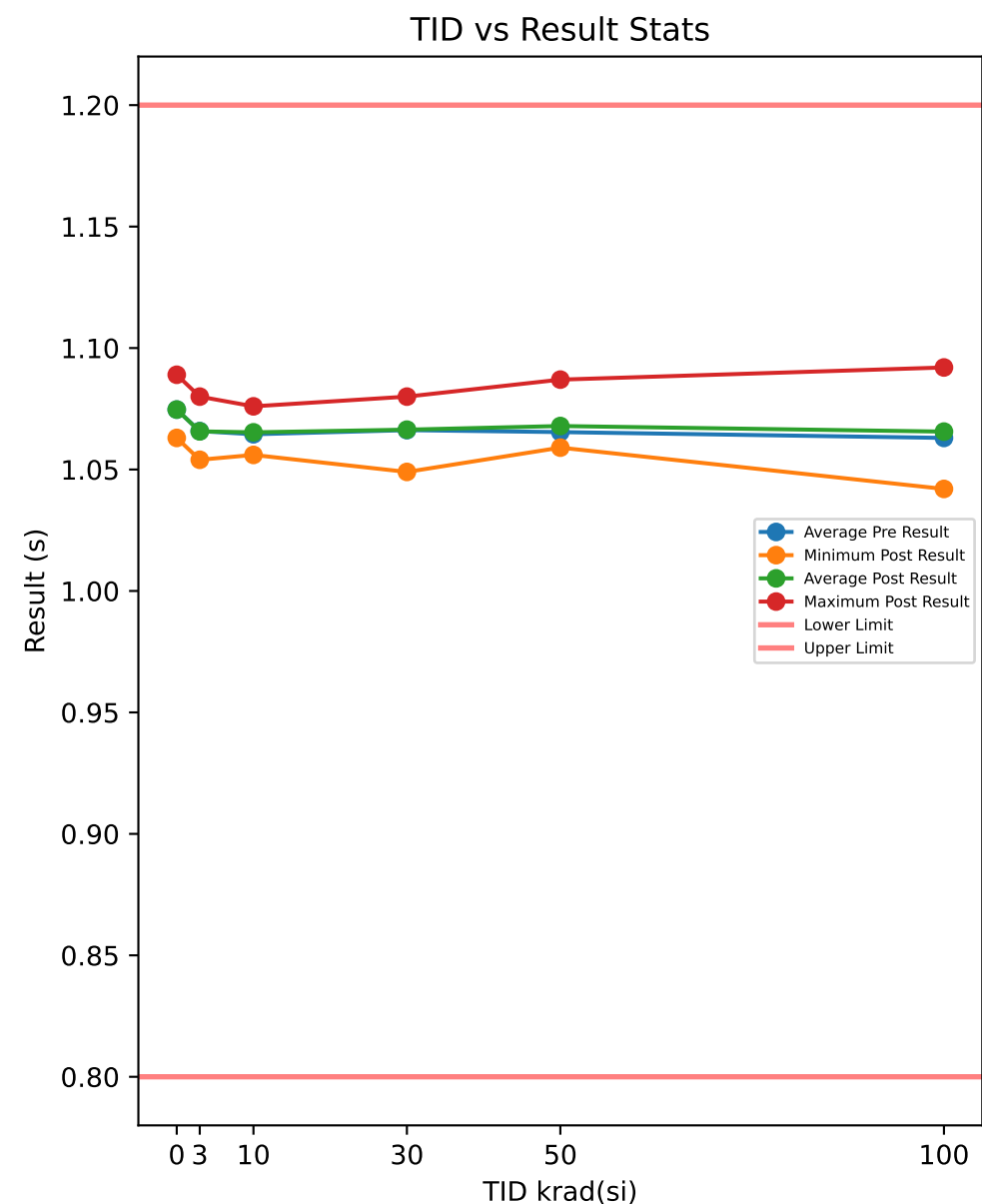
TID vs Result Stats



TID vs Post - Pre Exposure Delta



## Device Test: 5.28 ; WD\_TMR\_500KOHM

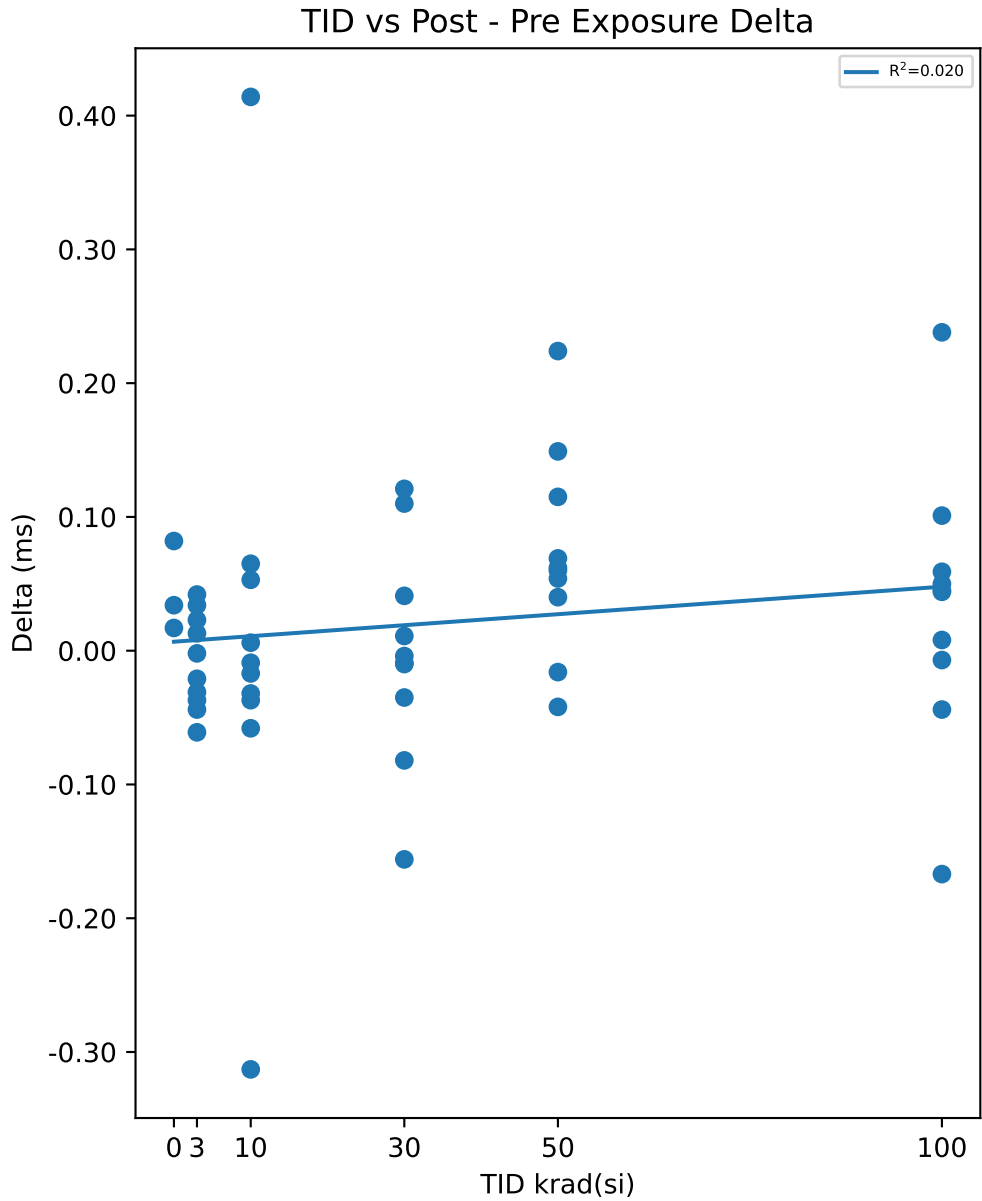
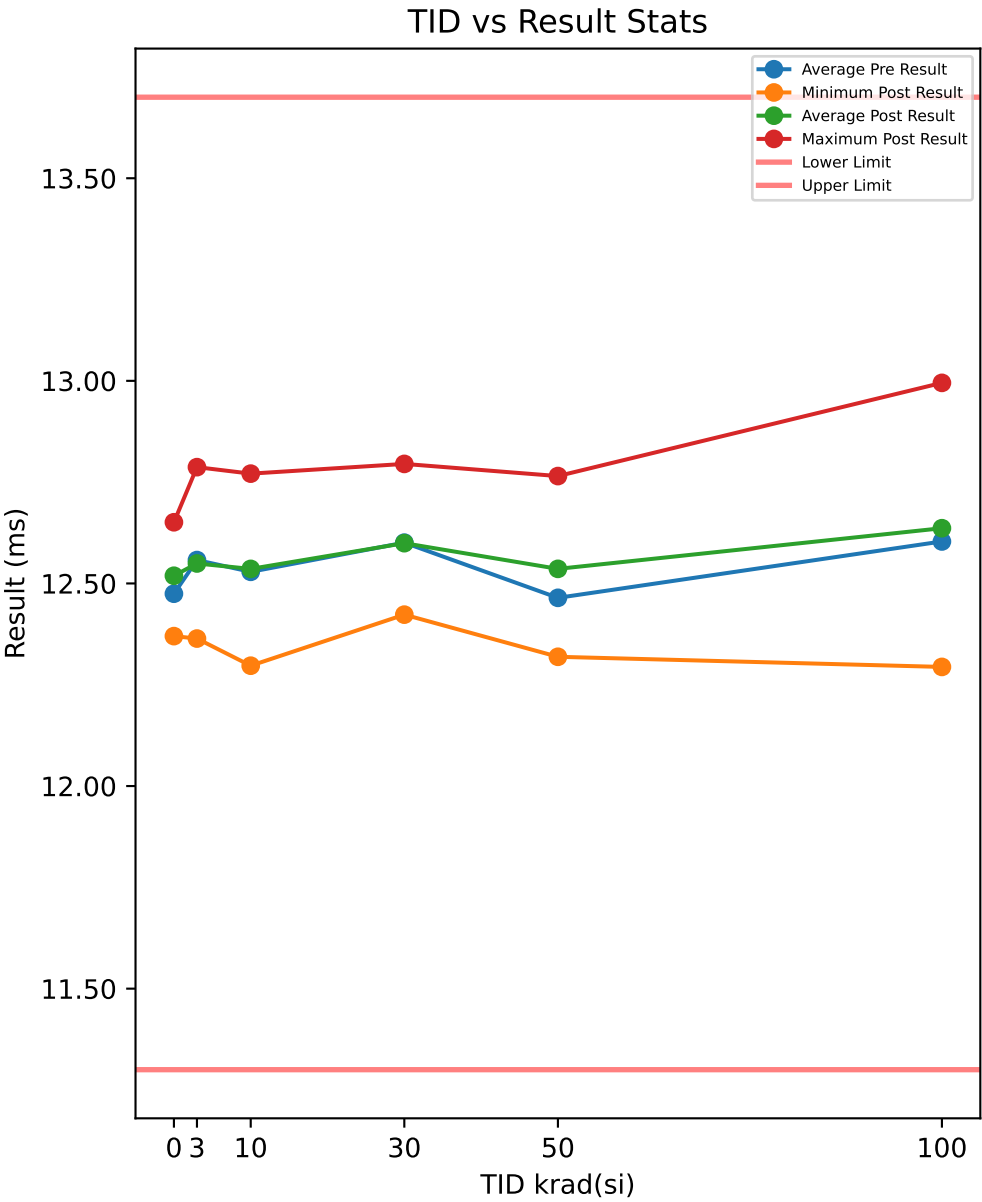


Test Results (Lower Limit = 0.8,  
Upper Limit = 1.2 (s))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 1.089      | 1.089       | 0      |
| 301      | 0        | Correlation         | 1.063      | 1.063       | 0      |
| 302      | 0        | Correlation         | 1.072      | 1.072       | 0      |
| 303      | 3        | Bias                | 1.079      | 1.08        | 0.001  |
| 304      | 3        | Bias                | 1.06       | 1.06        | 0      |
| 305      | 3        | Bias                | 1.055      | 1.054       | -0.001 |
| 306      | 3        | Bias                | 1.065      | 1.065       | 0      |
| 307      | 3        | Bias                | 1.064      | 1.064       | 0      |
| 308      | 3        | Unbiased            | 1.072      | 1.071       | -0.001 |
| 309      | 3        | Unbiased            | 1.06       | 1.06        | 0      |
| 310      | 3        | Unbiased            | 1.064      | 1.064       | 0      |
| 311      | 3        | Unbiased            | 1.068      | 1.067       | -0.001 |
| 312      | 3        | Unbiased            | 1.071      | 1.072       | 0.001  |
| 313      | 10       | Bias                | 1.053      | 1.056       | 0.003  |
| 314      | 10       | Bias                | 1.066      | 1.064       | -0.002 |
| 315      | 10       | Bias                | 1.07       | 1.071       | 0.001  |
| 316      | 10       | Bias                | 1.061      | 1.06        | -0.001 |
| 317      | 10       | Bias                | 1.06       | 1.06        | 0      |
| 318      | 10       | Unbiased            | 1.072      | 1.07        | -0.002 |
| 319      | 10       | Unbiased            | 1.067      | 1.069       | 0.002  |
| 320      | 10       | Unbiased            | 1.057      | 1.066       | 0.009  |
| 321      | 10       | Unbiased            | 1.062      | 1.061       | -0.001 |
| 322      | 10       | Unbiased            | 1.077      | 1.076       | -0.001 |
| 323      | 30       | Bias                | 1.053      | 1.052       | -0.001 |
| 324      | 30       | Bias                | 1.049      | 1.049       | 0      |
| 325      | 30       | Bias                | 1.081      | 1.08        | -0.001 |
| 326      | 30       | Bias                | 1.064      | 1.064       | 0      |
| 327      | 30       | Bias                | 1.058      | 1.058       | 0      |
| 328      | 30       | Unbiased            | 1.075      | 1.078       | 0.003  |
| 329      | 30       | Unbiased            | 1.063      | 1.062       | -0.001 |
| 330      | 30       | Unbiased            | 1.074      | 1.075       | 0.001  |
| 331      | 30       | Unbiased            | 1.07       | 1.071       | 0.001  |
| 332      | 30       | Unbiased            | 1.075      | 1.075       | 0      |
| 333      | 50       | Bias                | 1.069      | 1.07        | 0.001  |
| 334      | 50       | Bias                | 1.06       | 1.059       | -0.001 |
| 335      | 50       | Bias                | 1.086      | 1.087       | 0.001  |
| 336      | 50       | Bias                | 1.059      | 1.059       | 0      |
| 337      | 50       | Bias                | 1.058      | 1.062       | 0.004  |
| 338      | 50       | Unbiased            | 1.061      | 1.065       | 0.004  |
| 339      | 50       | Unbiased            | 1.058      | 1.061       | 0.003  |
| 340      | 50       | Unbiased            | 1.067      | 1.073       | 0.006  |
| 341      | 50       | Unbiased            | 1.056      | 1.063       | 0.007  |
| 342      | 50       | Unbiased            | 1.08       | 1.08        | 0      |
| 343      | 100      | Bias                | 1.068      | 1.064       | -0.004 |
| 344      | 100      | Bias                | 1.045      | 1.042       | -0.003 |
| 345      | 100      | Bias                | 1.056      | 1.058       | 0.002  |
| 346      | 100      | Bias                | 1.06       | 1.067       | 0.007  |
| 347      | 100      | Bias                | 1.085      | 1.092       | 0.007  |
| 348      | 100      | Unbiased            | 1.049      | 1.052       | 0.003  |
| 349      | 100      | Unbiased            | 1.058      | 1.056       | -0.002 |
| 350      | 100      | Unbiased            | 1.074      | 1.079       | 0.005  |
| 351      | 100      | Unbiased            | 1.062      | 1.069       | 0.007  |
| 352      | 100      | Unbiased            | 1.073      | 1.077       | 0.004  |

Test Statistics (s)

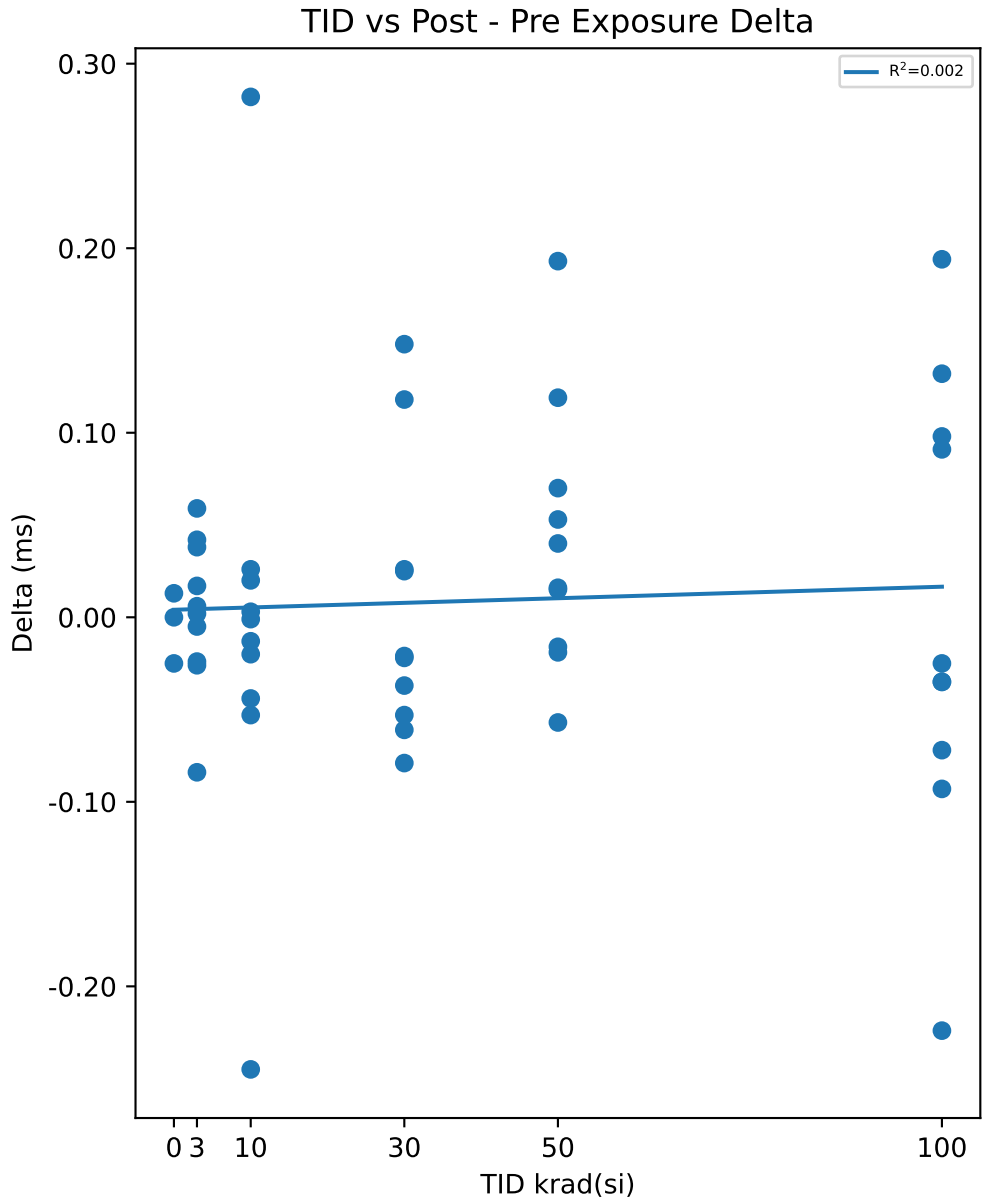
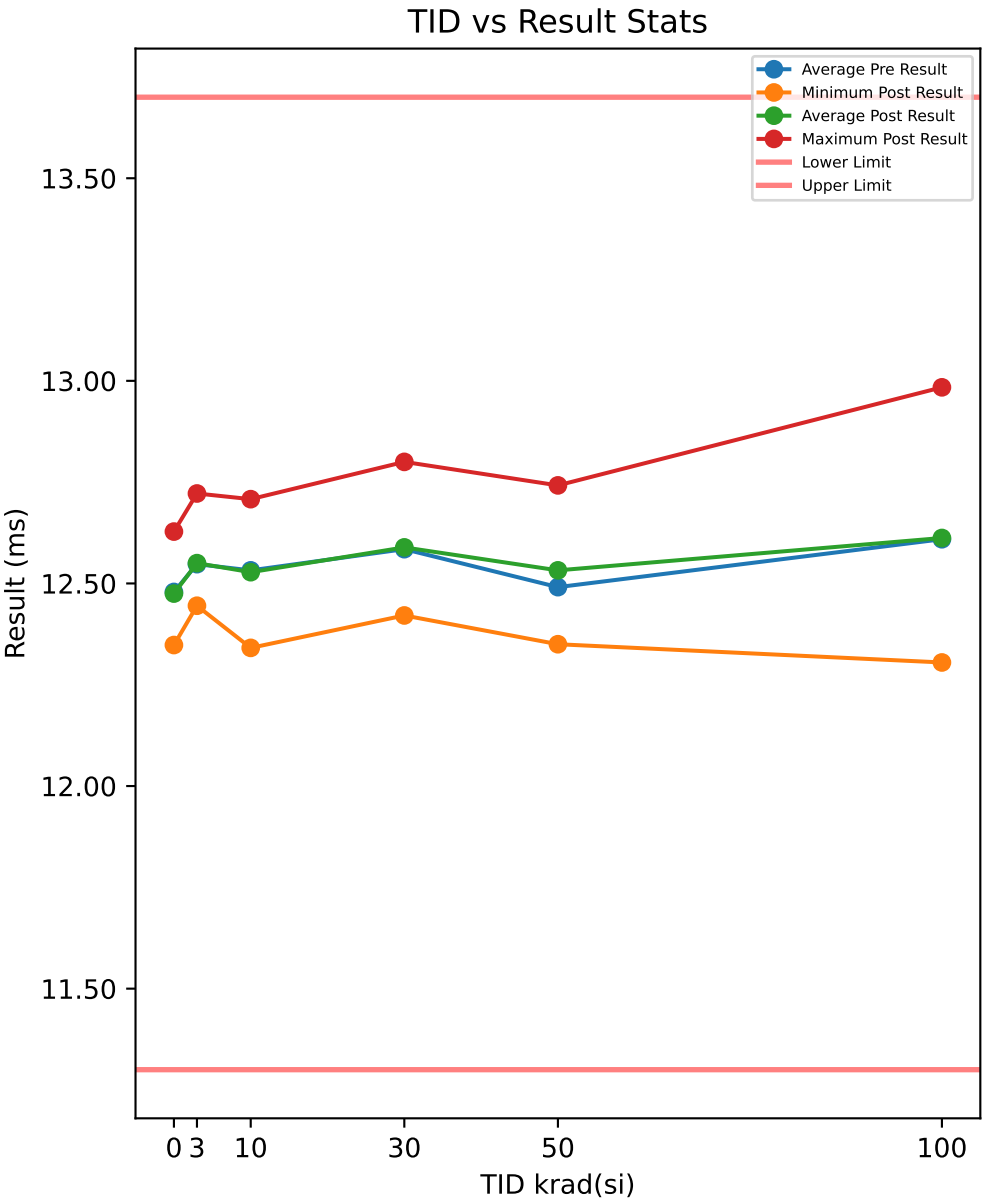
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| 0        | 1.063            | 1.0747           | 1.089            | 0.013204         | 1.063             | 1.0747            | 1.089             | 0.013204          | 0         | 0         | 0         | 0          |
| 3        | 1.055            | 1.0658           | 1.079            | 0.006957         | 1.054             | 1.0657            | 1.08              | 0.0073189         | -0.001    | -0.0001   | 0.001     | 0.00073786 |
| 10       | 1.053            | 1.0645           | 1.077            | 0.0072915        | 1.056             | 1.0653            | 1.076             | 0.0062013         | -0.002    | 0.0008    | 0.009     | 0.0033267  |
| 30       | 1.049            | 1.0662           | 1.081            | 0.010549         | 1.049             | 1.0664            | 1.08              | 0.011027          | -0.001    | 0.0002    | 0.003     | 0.0012293  |
| 50       | 1.056            | 1.0654           | 1.086            | 0.010222         | 1.059             | 1.0679            | 1.087             | 0.0095155         | -0.001    | 0.0025    | 0.007     | 0.0027183  |
| 100      | 1.045            | 1.063            | 1.085            | 0.012175         | 1.042             | 1.0656            | 1.092             | 0.014585          | -0.004    | 0.0026    | 0.007     | 0.0042479  |



| Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms)) |          |                     |            |             |        |
|------------------------------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                                   | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                                        | 0        | Correlation         | 12.617     | 12.651      | 0.034  |
| 301                                                        | 0        | Correlation         | 12.519     | 12.536      | 0.017  |
| 302                                                        | 0        | Correlation         | 12.288     | 12.37       | 0.082  |
| 303                                                        | 3        | Bias                | 12.464     | 12.462      | -0.002 |
| 304                                                        | 3        | Bias                | 12.486     | 12.442      | -0.044 |
| 305                                                        | 3        | Bias                | 12.747     | 12.686      | -0.061 |
| 306                                                        | 3        | Bias                | 12.631     | 12.673      | 0.042  |
| 307                                                        | 3        | Bias                | 12.438     | 12.472      | 0.034  |
| 308                                                        | 3        | Unbiased            | 12.401     | 12.364      | -0.037 |
| 309                                                        | 3        | Unbiased            | 12.764     | 12.787      | 0.023  |
| 310                                                        | 3        | Unbiased            | 12.668     | 12.647      | -0.021 |
| 311                                                        | 3        | Unbiased            | 12.459     | 12.428      | -0.031 |
| 312                                                        | 3        | Unbiased            | 12.519     | 12.532      | 0.013  |
| 313                                                        | 10       | Bias                | 12.329     | 12.297      | -0.032 |
| 314                                                        | 10       | Bias                | 12.452     | 12.435      | -0.017 |
| 315                                                        | 10       | Bias                | 12.288     | 12.341      | 0.053  |
| 316                                                        | 10       | Bias                | 12.619     | 12.582      | -0.037 |
| 317                                                        | 10       | Bias                | 12.745     | 12.751      | 0.006  |
| 318                                                        | 10       | Unbiased            | 12.759     | 12.701      | -0.058 |
| 319                                                        | 10       | Unbiased            | 12.284     | 12.349      | 0.065  |
| 320                                                        | 10       | Unbiased            | 12.705     | 12.392      | -0.313 |
| 321                                                        | 10       | Unbiased            | 12.357     | 12.771      | 0.414  |
| 322                                                        | 10       | Unbiased            | 12.749     | 12.74       | -0.009 |
| 323                                                        | 30       | Bias                | 12.491     | 12.532      | 0.041  |
| 324                                                        | 30       | Bias                | 12.488     | 12.484      | -0.004 |
| 325                                                        | 30       | Bias                | 12.68      | 12.645      | -0.035 |
| 326                                                        | 30       | Bias                | 12.607     | 12.717      | 0.11   |
| 327                                                        | 30       | Bias                | 12.302     | 12.423      | 0.121  |
| 328                                                        | 30       | Unbiased            | 12.599     | 12.589      | -0.01  |
| 329                                                        | 30       | Unbiased            | 12.877     | 12.795      | -0.082 |
| 330                                                        | 30       | Unbiased            | 12.66      | 12.504      | -0.156 |
| 331                                                        | 30       | Unbiased            | 12.502     | 12.513      | 0.011  |
| 332                                                        | 30       | Unbiased            | 12.801     | 12.792      | -0.009 |
| 333                                                        | 50       | Bias                | 12.399     | 12.439      | 0.04   |
| 334                                                        | 50       | Bias                | 12.695     | 12.749      | 0.054  |
| 335                                                        | 50       | Bias                | 12.461     | 12.445      | -0.016 |
| 336                                                        | 50       | Bias                | 12.541     | 12.765      | 0.224  |
| 337                                                        | 50       | Bias                | 12.361     | 12.319      | -0.042 |
| 338                                                        | 50       | Unbiased            | 12.251     | 12.4        | 0.149  |
| 339                                                        | 50       | Unbiased            | 12.37      | 12.43       | 0.06   |
| 340                                                        | 50       | Unbiased            | 12.475     | 12.544      | 0.069  |
| 341                                                        | 50       | Unbiased            | 12.61      | 12.672      | 0.062  |
| 342                                                        | 50       | Unbiased            | 12.482     | 12.597      | 0.115  |
| 343                                                        | 100      | Bias                | 12.642     | 12.686      | 0.044  |
| 344                                                        | 100      | Bias                | 12.455     | 12.463      | 0.008  |
| 345                                                        | 100      | Bias                | 12.76      | 12.716      | -0.044 |
| 346                                                        | 100      | Bias                | 12.461     | 12.294      | -0.167 |
| 347                                                        | 100      | Bias                | 12.355     | 12.414      | 0.059  |
| 348                                                        | 100      | Unbiased            | 12.757     | 12.995      | 0.238  |
| 349                                                        | 100      | Unbiased            | 12.647     | 12.64       | -0.007 |
| 350                                                        | 100      | Unbiased            | 12.688     | 12.738      | 0.05   |
| 351                                                        | 100      | Unbiased            | 12.802     | 12.903      | 0.101  |
| 352                                                        | 100      | Unbiased            | 12.469     | 12.514      | 0.045  |

Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.288           | 12.475           | 12.617           | 0.16892          | 12.37             | 12.519            | 12.651            | 0.14127           | 0.017     | 0.044333  | 0.082     | 0.03371   |
| 3        | 12.401           | 12.558           | 12.764           | 0.13332          | 12.364            | 12.549            | 12.787            | 0.13924           | -0.061    | -0.0084   | 0.042     | 0.035503  |
| 10       | 12.284           | 12.529           | 12.759           | 0.20566          | 12.297            | 12.536            | 12.771            | 0.19249           | -0.313    | 0.0072    | 0.414     | 0.17703   |
| 30       | 12.302           | 12.601           | 12.877           | 0.16667          | 12.423            | 12.599            | 12.795            | 0.13204           | -0.156    | -0.0013   | 0.121     | 0.082333  |
| 50       | 12.251           | 12.464           | 12.695           | 0.12914          | 12.319            | 12.536            | 12.765            | 0.15442           | -0.042    | 0.0715    | 0.224     | 0.076899  |
| 100      | 12.355           | 12.604           | 12.802           | 0.15641          | 12.294            | 12.636            | 12.995            | 0.21872           | -0.167    | 0.0327    | 0.238     | 0.1033    |



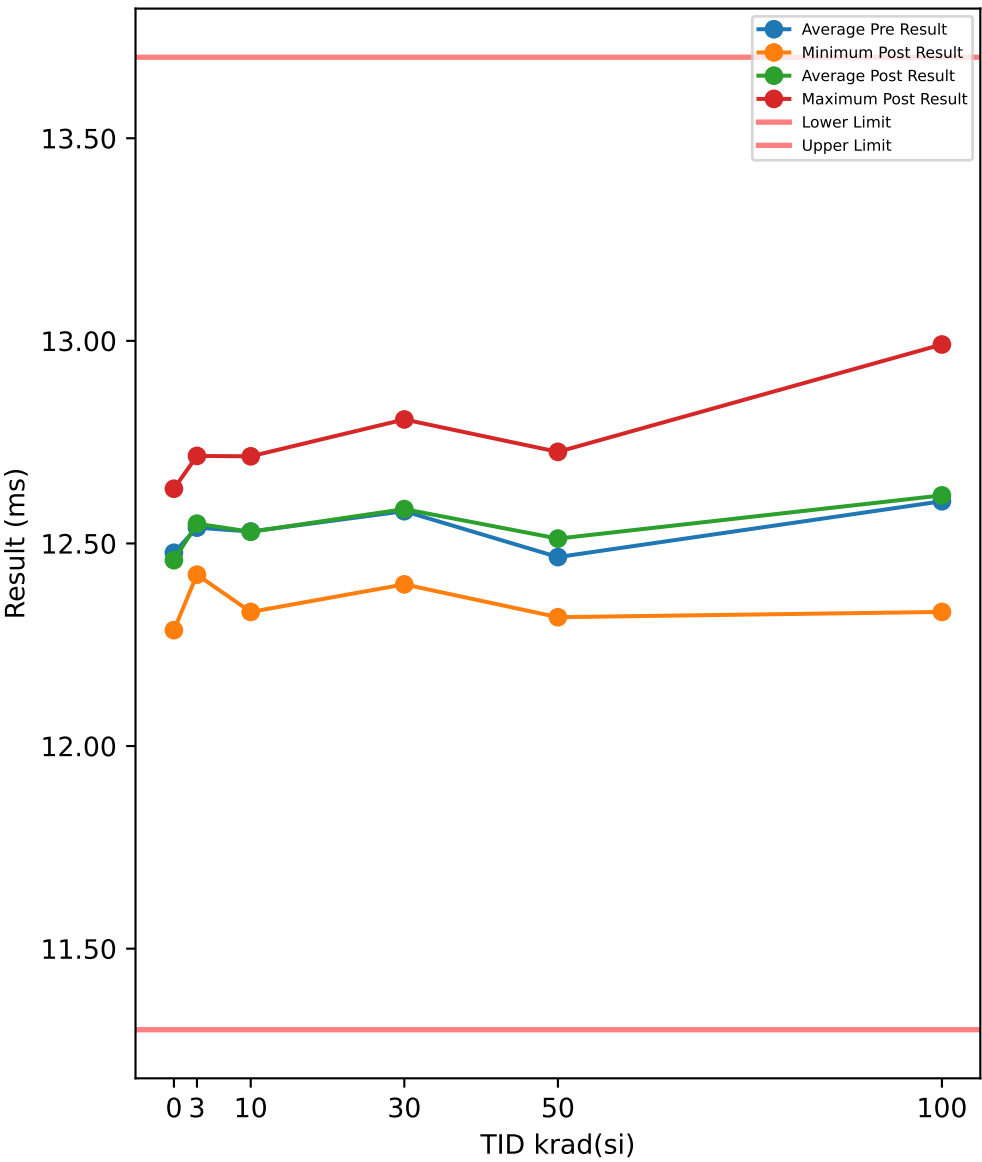
| Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms)) |          |                     |            |             |        |
|------------------------------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                                   | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                                        | 0        | Correlation         | 12.615     | 12.628      | 0.013  |
| 301                                                        | 0        | Correlation         | 12.449     | 12.449      | 0      |
| 302                                                        | 0        | Correlation         | 12.373     | 12.348      | -0.025 |
| 303                                                        | 3        | Bias                | 12.448     | 12.465      | 0.017  |
| 304                                                        | 3        | Bias                | 12.407     | 12.445      | 0.038  |
| 305                                                        | 3        | Bias                | 12.684     | 12.658      | -0.026 |
| 306                                                        | 3        | Bias                | 12.64      | 12.635      | -0.005 |
| 307                                                        | 3        | Bias                | 12.524     | 12.5        | -0.024 |
| 308                                                        | 3        | Unbiased            | 12.386     | 12.445      | 0.059  |
| 309                                                        | 3        | Unbiased            | 12.716     | 12.722      | 0.006  |
| 310                                                        | 3        | Unbiased            | 12.655     | 12.657      | 0.002  |
| 311                                                        | 3        | Unbiased            | 12.467     | 12.509      | 0.042  |
| 312                                                        | 3        | Unbiased            | 12.549     | 12.465      | -0.084 |
| 313                                                        | 10       | Bias                | 12.389     | 12.369      | -0.02  |
| 314                                                        | 10       | Bias                | 12.455     | 12.411      | -0.044 |
| 315                                                        | 10       | Bias                | 12.362     | 12.365      | 0.003  |
| 316                                                        | 10       | Bias                | 12.553     | 12.573      | 0.02   |
| 317                                                        | 10       | Bias                | 12.709     | 12.708      | -0.001 |
| 318                                                        | 10       | Unbiased            | 12.698     | 12.645      | -0.053 |
| 319                                                        | 10       | Unbiased            | 12.354     | 12.341      | -0.013 |
| 320                                                        | 10       | Unbiased            | 12.712     | 12.467      | -0.245 |
| 321                                                        | 10       | Unbiased            | 12.409     | 12.691      | 0.282  |
| 322                                                        | 10       | Unbiased            | 12.682     | 12.708      | 0.026  |
| 323                                                        | 30       | Bias                | 12.502     | 12.449      | -0.053 |
| 324                                                        | 30       | Bias                | 12.526     | 12.504      | -0.022 |
| 325                                                        | 30       | Bias                | 12.695     | 12.634      | -0.061 |
| 326                                                        | 30       | Bias                | 12.547     | 12.665      | 0.118  |
| 327                                                        | 30       | Bias                | 12.395     | 12.421      | 0.026  |
| 328                                                        | 30       | Unbiased            | 12.616     | 12.579      | -0.037 |
| 329                                                        | 30       | Unbiased            | 12.821     | 12.8        | -0.021 |
| 330                                                        | 30       | Unbiased            | 12.586     | 12.507      | -0.079 |
| 331                                                        | 30       | Unbiased            | 12.41      | 12.558      | 0.148  |
| 332                                                        | 30       | Unbiased            | 12.748     | 12.773      | 0.025  |
| 333                                                        | 50       | Bias                | 12.443     | 12.496      | 0.053  |
| 334                                                        | 50       | Bias                | 12.701     | 12.717      | 0.016  |
| 335                                                        | 50       | Bias                | 12.415     | 12.485      | 0.07   |
| 336                                                        | 50       | Bias                | 12.549     | 12.742      | 0.193  |
| 337                                                        | 50       | Bias                | 12.407     | 12.35       | -0.057 |
| 338                                                        | 50       | Unbiased            | 12.284     | 12.403      | 0.119  |
| 339                                                        | 50       | Unbiased            | 12.423     | 12.407      | -0.016 |
| 340                                                        | 50       | Unbiased            | 12.523     | 12.538      | 0.015  |
| 341                                                        | 50       | Unbiased            | 12.694     | 12.675      | -0.019 |
| 342                                                        | 50       | Unbiased            | 12.47      | 12.51       | 0.04   |
| 343                                                        | 100      | Bias                | 12.568     | 12.666      | 0.098  |
| 344                                                        | 100      | Bias                | 12.462     | 12.39       | -0.072 |
| 345                                                        | 100      | Bias                | 12.748     | 12.713      | -0.035 |
| 346                                                        | 100      | Bias                | 12.529     | 12.305      | -0.224 |
| 347                                                        | 100      | Bias                | 12.335     | 12.426      | 0.091  |
| 348                                                        | 100      | Unbiased            | 12.79      | 12.984      | 0.194  |
| 349                                                        | 100      | Unbiased            | 12.651     | 12.558      | -0.093 |
| 350                                                        | 100      | Unbiased            | 12.711     | 12.686      | -0.025 |
| 351                                                        | 100      | Unbiased            | 12.766     | 12.898      | 0.132  |
| 352                                                        | 100      | Unbiased            | 12.531     | 12.496      | -0.035 |

Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.373           | 12.479           | 12.615           | 0.12376          | 12.348            | 12.475            | 12.628            | 0.1418            | -0.025    | -0.004    | 0.013     | 0.019313  |
| 3        | 12.386           | 12.548           | 12.716           | 0.12014          | 12.445            | 12.55             | 12.722            | 0.10573           | -0.084    | 0.0025    | 0.059     | 0.041216  |
| 10       | 12.354           | 12.532           | 12.712           | 0.15503          | 12.341            | 12.528            | 12.708            | 0.15323           | -0.245    | -0.0045   | 0.282     | 0.12726   |
| 30       | 12.395           | 12.585           | 12.821           | 0.13899          | 12.421            | 12.589            | 12.8              | 0.12867           | -0.079    | 0.0044    | 0.148     | 0.076012  |
| 50       | 12.284           | 12.491           | 12.701           | 0.13028          | 12.35             | 12.532            | 12.742            | 0.1367            | -0.057    | 0.0414    | 0.193     | 0.072974  |
| 100      | 12.335           | 12.609           | 12.79            | 0.14898          | 12.305            | 12.612            | 12.984            | 0.21941           | -0.224    | 0.0031    | 0.194     | 0.12469   |



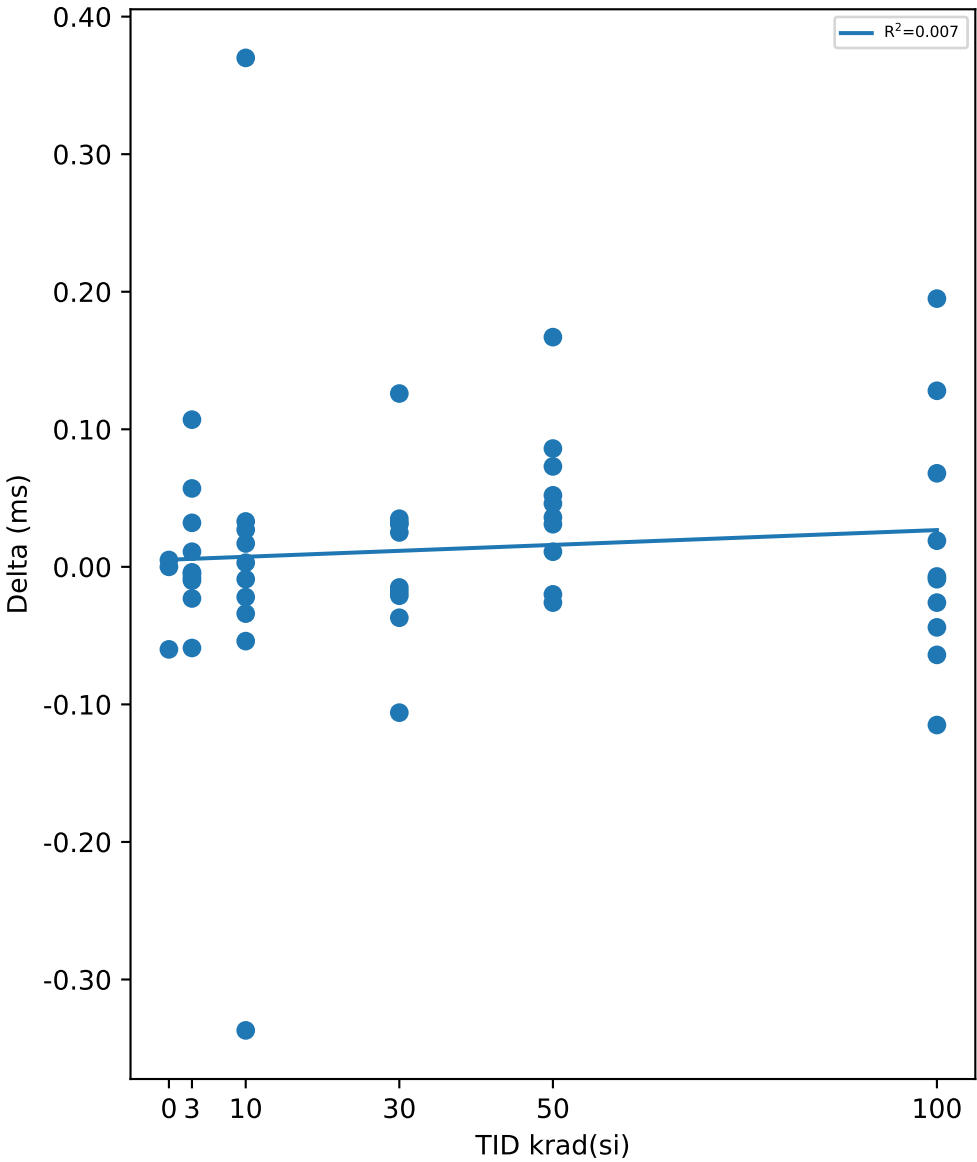
TID vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 12.63      | 12.635      | 0.005  |
| 301      | 0        | Correlation         | 12.455     | 12.455      | 0      |
| 302      | 0        | Correlation         | 12.346     | 12.286      | -0.06  |
| 303      | 3        | Bias                | 12.484     | 12.48       | -0.004 |
| 304      | 3        | Bias                | 12.475     | 12.532      | 0.057  |
| 305      | 3        | Bias                | 12.66      | 12.671      | 0.011  |
| 306      | 3        | Bias                | 12.631     | 12.663      | 0.032  |
| 307      | 3        | Bias                | 12.454     | 12.431      | -0.023 |
| 308      | 3        | Unbiased            | 12.331     | 12.438      | 0.107  |
| 309      | 3        | Unbiased            | 12.724     | 12.716      | -0.008 |
| 310      | 3        | Unbiased            | 12.67      | 12.665      | -0.005 |
| 311      | 3        | Unbiased            | 12.482     | 12.423      | -0.059 |
| 312      | 3        | Unbiased            | 12.479     | 12.469      | -0.01  |
| 313      | 10       | Bias                | 12.382     | 12.36       | -0.022 |
| 314      | 10       | Bias                | 12.54      | 12.486      | -0.054 |
| 315      | 10       | Bias                | 12.357     | 12.36       | 0.003  |
| 316      | 10       | Bias                | 12.558     | 12.591      | 0.033  |
| 317      | 10       | Bias                | 12.697     | 12.714      | 0.017  |
| 318      | 10       | Unbiased            | 12.684     | 12.65       | -0.034 |
| 319      | 10       | Unbiased            | 12.34      | 12.331      | -0.009 |
| 320      | 10       | Unbiased            | 12.718     | 12.381      | -0.337 |
| 321      | 10       | Unbiased            | 12.33      | 12.7        | 0.37   |
| 322      | 10       | Unbiased            | 12.688     | 12.715      | 0.027  |
| 323      | 30       | Bias                | 12.504     | 12.535      | 0.031  |
| 324      | 30       | Bias                | 12.45      | 12.435      | -0.015 |
| 325      | 30       | Bias                | 12.616     | 12.641      | 0.025  |
| 326      | 30       | Bias                | 12.56      | 12.686      | 0.126  |
| 327      | 30       | Bias                | 12.367     | 12.399      | 0.032  |
| 328      | 30       | Unbiased            | 12.617     | 12.58       | -0.037 |
| 329      | 30       | Unbiased            | 12.827     | 12.806      | -0.021 |
| 330      | 30       | Unbiased            | 12.602     | 12.496      | -0.106 |
| 331      | 30       | Unbiased            | 12.496     | 12.478      | -0.018 |
| 332      | 30       | Unbiased            | 12.757     | 12.792      | 0.035  |
| 333      | 50       | Bias                | 12.438     | 12.412      | -0.026 |
| 334      | 50       | Bias                | 12.691     | 12.722      | 0.031  |
| 335      | 50       | Bias                | 12.421     | 12.507      | 0.086  |
| 336      | 50       | Bias                | 12.559     | 12.726      | 0.167  |
| 337      | 50       | Bias                | 12.338     | 12.318      | -0.02  |
| 338      | 50       | Unbiased            | 12.323     | 12.334      | 0.011  |
| 339      | 50       | Unbiased            | 12.34      | 12.413      | 0.073  |
| 340      | 50       | Unbiased            | 12.447     | 12.483      | 0.036  |
| 341      | 50       | Unbiased            | 12.63      | 12.682      | 0.052  |
| 342      | 50       | Unbiased            | 12.477     | 12.523      | 0.046  |
| 343      | 100      | Bias                | 12.641     | 12.66       | 0.019  |
| 344      | 100      | Bias                | 12.406     | 12.474      | 0.068  |
| 345      | 100      | Bias                | 12.726     | 12.719      | -0.007 |
| 346      | 100      | Bias                | 12.446     | 12.331      | -0.115 |
| 347      | 100      | Bias                | 12.372     | 12.346      | -0.026 |
| 348      | 100      | Unbiased            | 12.796     | 12.991      | 0.195  |
| 349      | 100      | Unbiased            | 12.642     | 12.578      | -0.064 |
| 350      | 100      | Unbiased            | 12.694     | 12.685      | -0.009 |
| 351      | 100      | Unbiased            | 12.775     | 12.903      | 0.128  |
| 352      | 100      | Unbiased            | 12.543     | 12.499      | -0.044 |

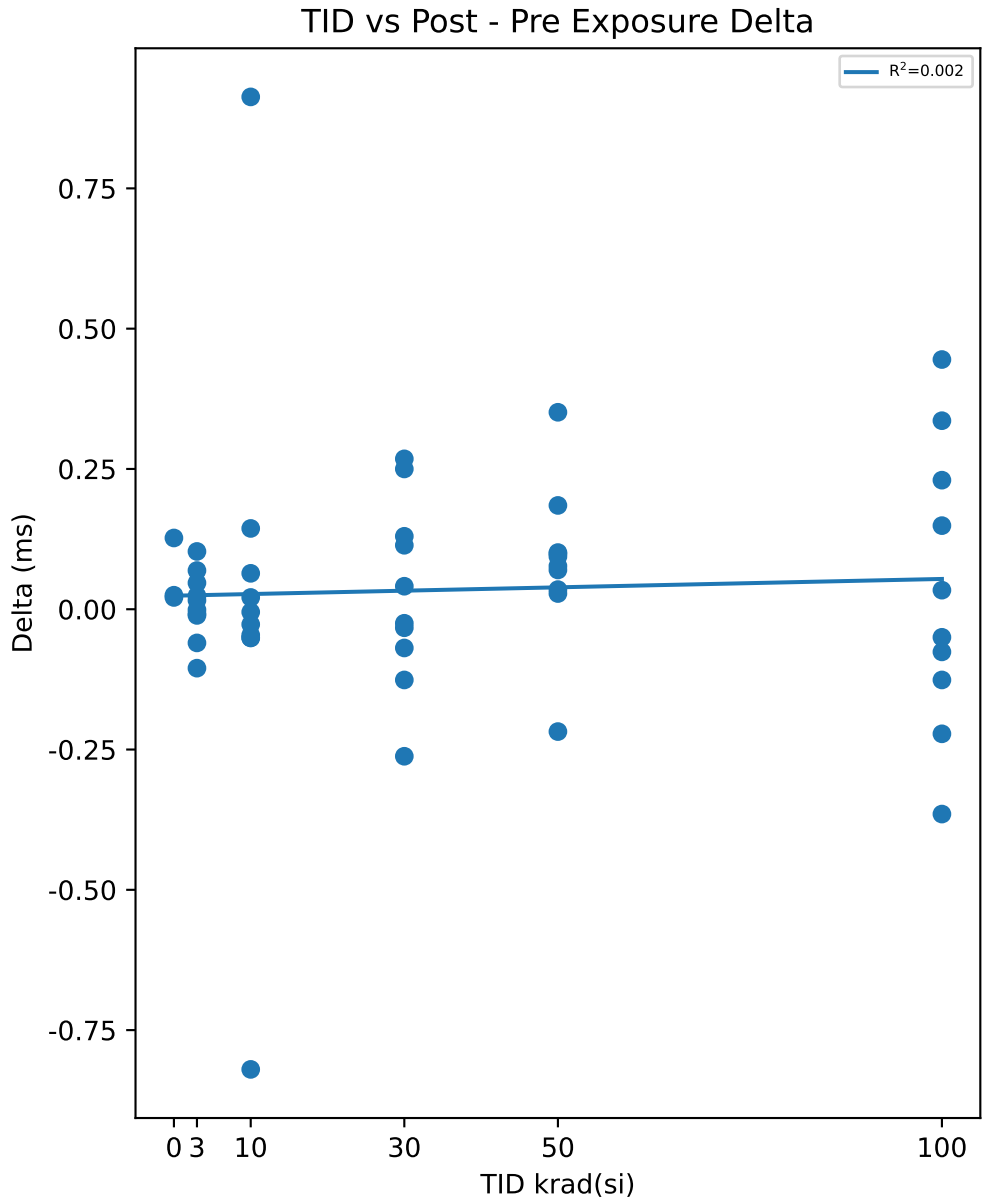
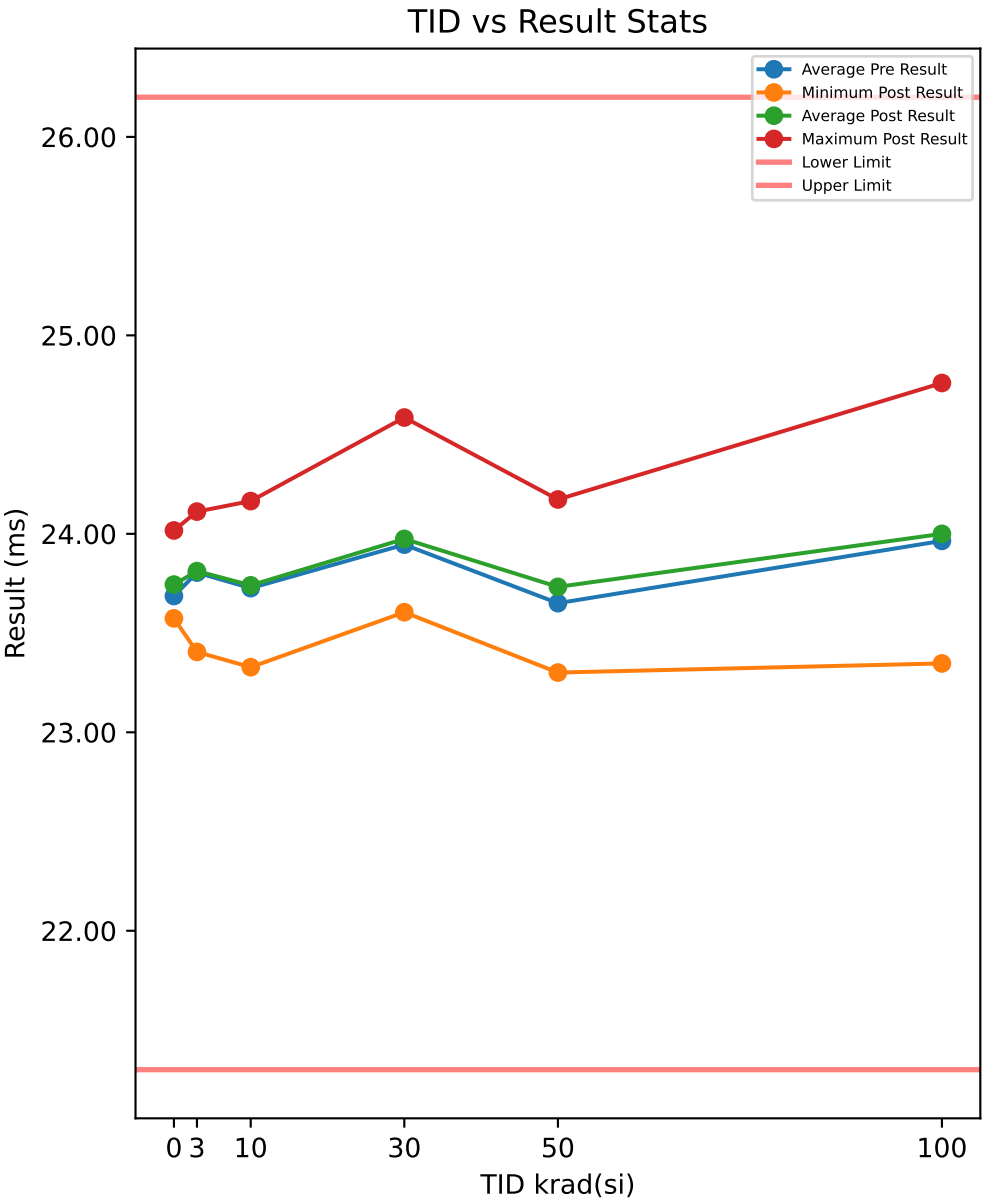
TID vs Post - Pre Exposure Delta



Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.346           | 12.477           | 12.63            | 0.14327          | 12.286            | 12.459            | 12.635            | 0.17453           | -0.06     | -0.018333 | 0.005     | 0.036171  |
| 3        | 12.331           | 12.539           | 12.724           | 0.12425          | 12.423            | 12.549            | 12.716            | 0.11681           | -0.059    | 0.0098    | 0.107     | 0.046065  |
| 10       | 12.33            | 12.529           | 12.718           | 0.16355          | 12.331            | 12.529            | 12.715            | 0.16215           | -0.337    | -0.0006   | 0.37      | 0.16906   |
| 30       | 12.367           | 12.58            | 12.827           | 0.13784          | 12.399            | 12.585            | 12.806            | 0.14299           | -0.106    | 0.0052    | 0.126     | 0.060586  |
| 50       | 12.323           | 12.466           | 12.691           | 0.12568          | 12.318            | 12.512            | 12.726            | 0.15235           | -0.026    | 0.0456    | 0.167     | 0.055871  |
| 100      | 12.372           | 12.604           | 12.796           | 0.15406          | 12.331            | 12.619            | 12.991            | 0.21849           | -0.115    | 0.0145    | 0.195     | 0.092709  |

Device Test: 5.32 ; DLY\_TMR\_1MOHM



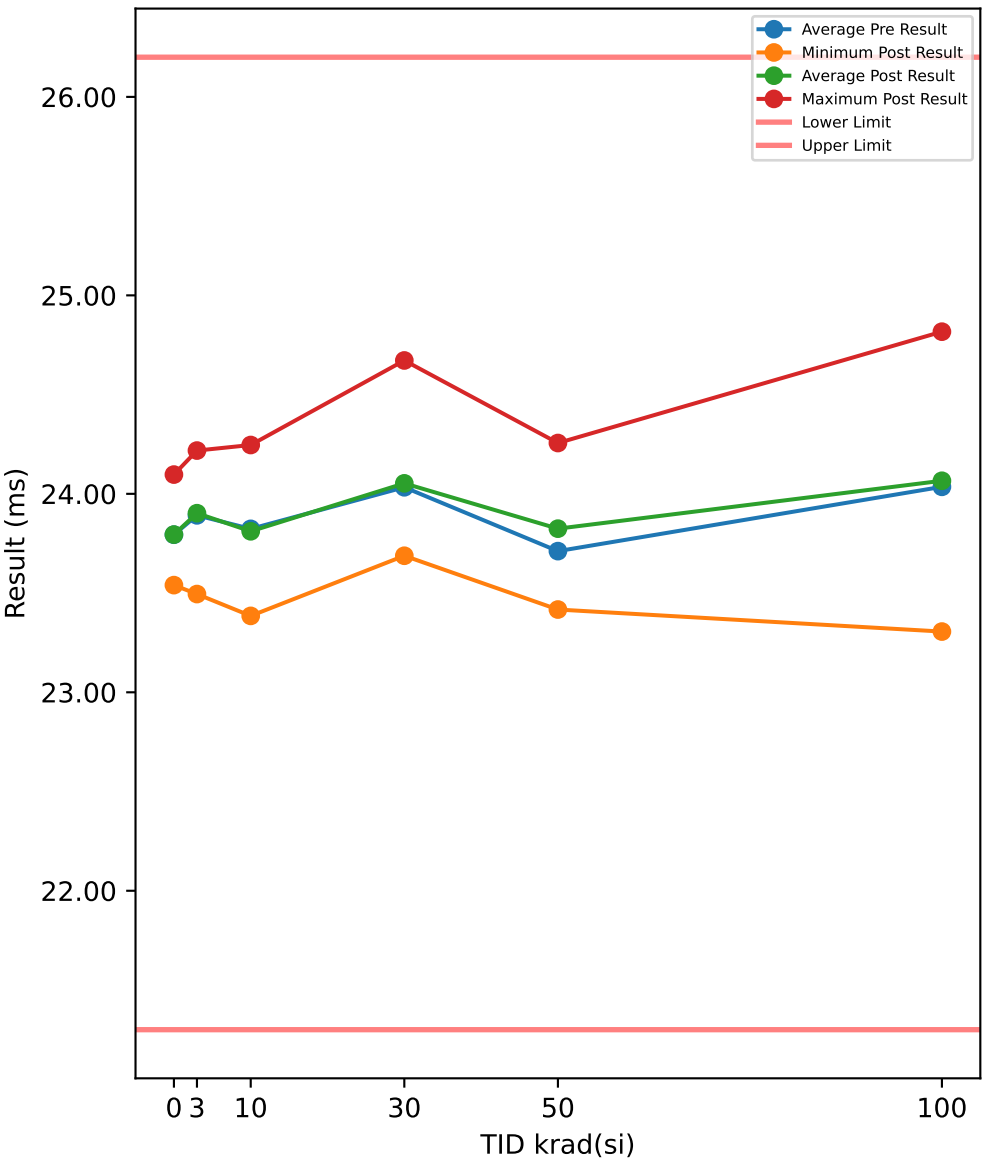
| Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms)) |          |                     |            |             |        |
|------------------------------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                                   | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                                        | 0        | Correlation         | 23.996     | 24.017      | 0.021  |
| 301                                                        | 0        | Correlation         | 23.617     | 23.642      | 0.025  |
| 302                                                        | 0        | Correlation         | 23.447     | 23.574      | 0.127  |
| 303                                                        | 3        | Bias                | 23.639     | 23.686      | 0.047  |
| 304                                                        | 3        | Bias                | 23.755     | 23.824      | 0.069  |
| 305                                                        | 3        | Bias                | 24.073     | 24.065      | -0.008 |
| 306                                                        | 3        | Bias                | 24.034     | 24.05       | 0.016  |
| 307                                                        | 3        | Bias                | 23.54      | 23.48       | -0.06  |
| 308                                                        | 3        | Unbiased            | 23.302     | 23.405      | 0.103  |
| 309                                                        | 3        | Unbiased            | 24.217     | 24.112      | -0.105 |
| 310                                                        | 3        | Unbiased            | 24.054     | 24.053      | -0.001 |
| 311                                                        | 3        | Unbiased            | 23.704     | 23.728      | 0.024  |
| 312                                                        | 3        | Unbiased            | 23.73      | 23.719      | -0.011 |
| 313                                                        | 10       | Bias                | 23.415     | 23.364      | -0.051 |
| 314                                                        | 10       | Bias                | 23.726     | 23.675      | -0.051 |
| 315                                                        | 10       | Bias                | 23.333     | 23.328      | -0.005 |
| 316                                                        | 10       | Bias                | 23.844     | 23.865      | 0.021  |
| 317                                                        | 10       | Bias                | 24.132     | 24.105      | -0.027 |
| 318                                                        | 10       | Unbiased            | 24.067     | 24.021      | -0.046 |
| 319                                                        | 10       | Unbiased            | 23.321     | 23.465      | 0.144  |
| 320                                                        | 10       | Unbiased            | 24.156     | 23.336      | -0.82  |
| 321                                                        | 10       | Unbiased            | 23.252     | 24.165      | 0.913  |
| 322                                                        | 10       | Unbiased            | 24.017     | 24.081      | 0.064  |
| 323                                                        | 30       | Bias                | 23.888     | 23.762      | -0.126 |
| 324                                                        | 30       | Bias                | 23.735     | 23.71       | -0.025 |
| 325                                                        | 30       | Bias                | 24.015     | 24.056      | 0.041  |
| 326                                                        | 30       | Bias                | 23.891     | 24.141      | 0.25   |
| 327                                                        | 30       | Bias                | 23.491     | 23.605      | 0.114  |
| 328                                                        | 30       | Unbiased            | 23.88      | 23.847      | -0.033 |
| 329                                                        | 30       | Unbiased            | 24.655     | 24.586      | -0.069 |
| 330                                                        | 30       | Unbiased            | 24.186     | 23.924      | -0.262 |
| 331                                                        | 30       | Unbiased            | 23.453     | 23.721      | 0.268  |
| 332                                                        | 30       | Unbiased            | 24.262     | 24.392      | 0.13   |
| 333                                                        | 50       | Bias                | 23.375     | 23.476      | 0.101  |
| 334                                                        | 50       | Bias                | 24.138     | 24.173      | 0.035  |
| 335                                                        | 50       | Bias                | 23.673     | 23.701      | 0.028  |
| 336                                                        | 50       | Bias                | 23.809     | 24.16       | 0.351  |
| 337                                                        | 50       | Bias                | 23.519     | 23.301      | -0.218 |
| 338                                                        | 50       | Unbiased            | 23.31      | 23.387      | 0.077  |
| 339                                                        | 50       | Unbiased            | 23.324     | 23.509      | 0.185  |
| 340                                                        | 50       | Unbiased            | 23.542     | 23.612      | 0.07   |
| 341                                                        | 50       | Unbiased            | 24.026     | 24.12       | 0.094  |
| 342                                                        | 50       | Unbiased            | 23.79      | 23.889      | 0.099  |
| 343                                                        | 100      | Bias                | 23.821     | 24.051      | 0.23   |
| 344                                                        | 100      | Bias                | 23.539     | 23.489      | -0.05  |
| 345                                                        | 100      | Bias                | 24.511     | 24.385      | -0.126 |
| 346                                                        | 100      | Bias                | 23.712     | 23.347      | -0.365 |
| 347                                                        | 100      | Bias                | 23.33      | 23.479      | 0.149  |
| 348                                                        | 100      | Unbiased            | 24.315     | 24.76       | 0.445  |
| 349                                                        | 100      | Unbiased            | 24.273     | 24.051      | -0.222 |
| 350                                                        | 100      | Unbiased            | 24.177     | 24.101      | -0.076 |
| 351                                                        | 100      | Unbiased            | 24.36      | 24.696      | 0.336  |
| 352                                                        | 100      | Unbiased            | 23.606     | 23.64       | 0.034  |

Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 23.447           | 23.687           | 23.996           | 0.28105          | 23.574            | 23.744            | 24.017            | 0.23857           | 0.021     | 0.057667  | 0.127     | 0.060078  |
| 3        | 23.302           | 23.805           | 24.217           | 0.28385          | 23.405            | 23.812            | 24.112            | 0.25306           | -0.105    | 0.0074    | 0.103     | 0.060254  |
| 10       | 23.252           | 23.726           | 24.156           | 0.36583          | 23.328            | 23.741            | 24.165            | 0.34623           | -0.82     | 0.0142    | 0.913     | 0.41329   |
| 30       | 23.453           | 23.946           | 24.655           | 0.36059          | 23.605            | 23.974            | 24.586            | 0.31926           | -0.262    | 0.0288    | 0.268     | 0.1662    |
| 50       | 23.31            | 23.651           | 24.138           | 0.28892          | 23.301            | 23.733            | 24.173            | 0.33137           | -0.218    | 0.0822    | 0.351     | 0.14105   |
| 100      | 23.33            | 23.964           | 24.511           | 0.41025          | 23.347            | 24                | 24.76             | 0.50708           | -0.365    | 0.0355    | 0.445     | 0.25413   |

Device Test: 5.33 ; DLY\_TMR\_1MOHM

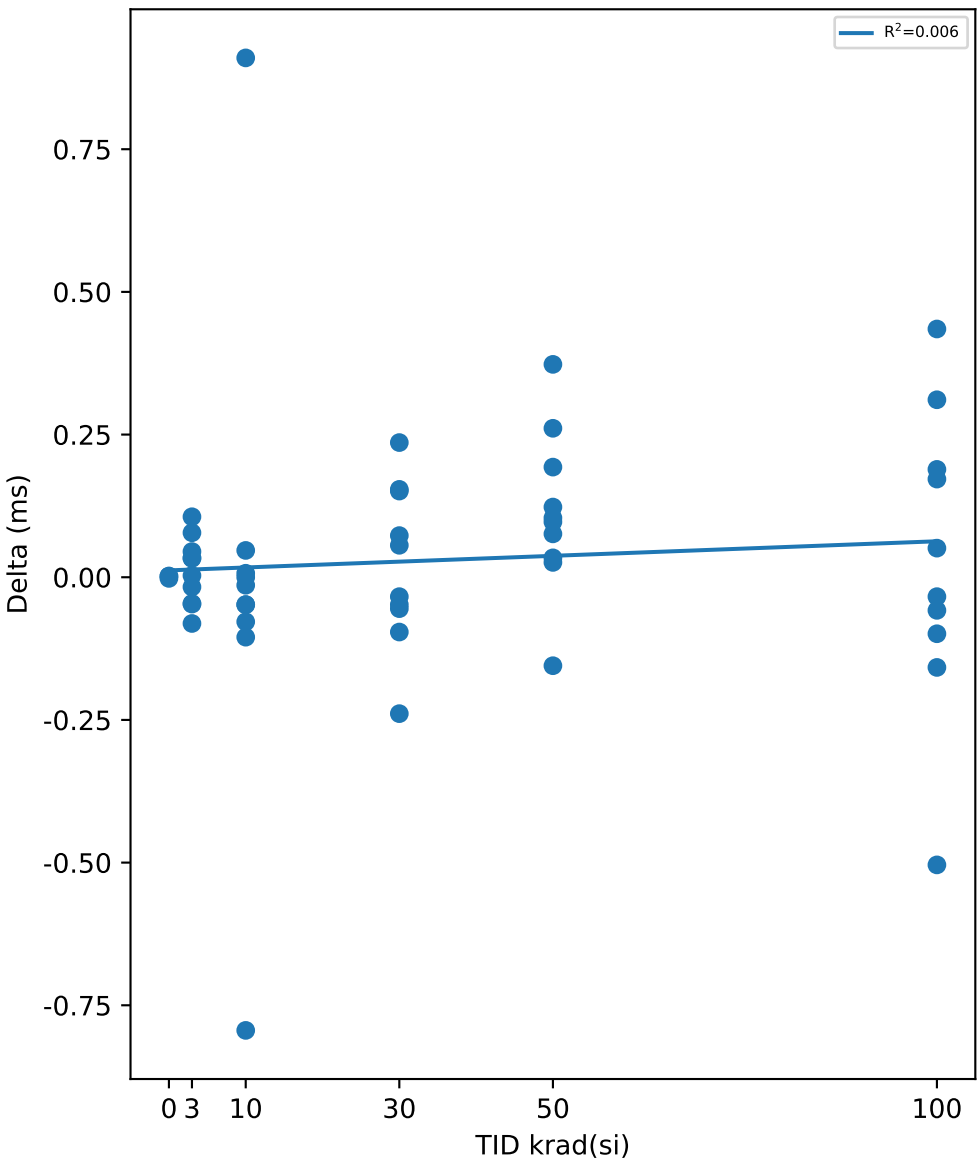
TID vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 24.095     | 24.097      | 0.002  |
| 301      | 0        | Correlation         | 23.749     | 23.747      | -0.002 |
| 302      | 0        | Correlation         | 23.538     | 23.54       | 0.002  |
| 303      | 3        | Bias                | 23.734     | 23.768      | 0.034  |
| 304      | 3        | Bias                | 23.825     | 23.931      | 0.106  |
| 305      | 3        | Bias                | 24.177     | 24.131      | -0.046 |
| 306      | 3        | Bias                | 24.085     | 24.118      | 0.033  |
| 307      | 3        | Bias                | 23.639     | 23.592      | -0.047 |
| 308      | 3        | Unbiased            | 23.417     | 23.495      | 0.078  |
| 309      | 3        | Unbiased            | 24.299     | 24.218      | -0.081 |
| 310      | 3        | Unbiased            | 24.125     | 24.128      | 0.003  |
| 311      | 3        | Unbiased            | 23.783     | 23.828      | 0.045  |
| 312      | 3        | Unbiased            | 23.832     | 23.815      | -0.017 |
| 313      | 10       | Bias                | 23.492     | 23.444      | -0.048 |
| 314      | 10       | Bias                | 23.859     | 23.754      | -0.105 |
| 315      | 10       | Bias                | 23.44      | 23.44       | 0      |
| 316      | 10       | Bias                | 23.919     | 23.966      | 0.047  |
| 317      | 10       | Bias                | 24.217     | 24.203      | -0.014 |
| 318      | 10       | Unbiased            | 24.18      | 24.102      | -0.078 |
| 319      | 10       | Unbiased            | 23.433     | 23.385      | -0.048 |
| 320      | 10       | Unbiased            | 24.22      | 23.426      | -0.794 |
| 321      | 10       | Unbiased            | 23.336     | 24.246      | 0.91   |
| 322      | 10       | Unbiased            | 24.139     | 24.146      | 0.007  |
| 323      | 30       | Bias                | 23.997     | 23.901      | -0.096 |
| 324      | 30       | Bias                | 23.846     | 23.812      | -0.034 |
| 325      | 30       | Bias                | 24.082     | 24.138      | 0.056  |
| 326      | 30       | Bias                | 23.962     | 24.198      | 0.236  |
| 327      | 30       | Bias                | 23.624     | 23.697      | 0.073  |
| 328      | 30       | Unbiased            | 23.993     | 23.938      | -0.055 |
| 329      | 30       | Unbiased            | 24.72      | 24.672      | -0.048 |
| 330      | 30       | Unbiased            | 24.235     | 23.996      | -0.239 |
| 331      | 30       | Unbiased            | 23.534     | 23.688      | 0.154  |
| 332      | 30       | Unbiased            | 24.337     | 24.488      | 0.151  |
| 333      | 50       | Bias                | 23.46      | 23.583      | 0.123  |
| 334      | 50       | Bias                | 24.204     | 24.238      | 0.034  |
| 335      | 50       | Bias                | 23.776     | 23.802      | 0.026  |
| 336      | 50       | Bias                | 23.883     | 24.256      | 0.373  |
| 337      | 50       | Bias                | 23.572     | 23.417      | -0.155 |
| 338      | 50       | Unbiased            | 23.218     | 23.479      | 0.261  |
| 339      | 50       | Unbiased            | 23.413     | 23.606      | 0.193  |
| 340      | 50       | Unbiased            | 23.642     | 23.718      | 0.076  |
| 341      | 50       | Unbiased            | 24.061     | 24.165      | 0.104  |
| 342      | 50       | Unbiased            | 23.884     | 23.981      | 0.097  |
| 343      | 100      | Bias                | 23.911     | 24.1        | 0.189  |
| 344      | 100      | Bias                | 23.609     | 23.551      | -0.058 |
| 345      | 100      | Bias                | 24.589     | 24.49       | -0.099 |
| 346      | 100      | Bias                | 23.81      | 23.306      | -0.504 |
| 347      | 100      | Bias                | 23.391     | 23.563      | 0.172  |
| 348      | 100      | Unbiased            | 24.382     | 24.817      | 0.435  |
| 349      | 100      | Unbiased            | 24.324     | 24.166      | -0.158 |
| 350      | 100      | Unbiased            | 24.227     | 24.193      | -0.034 |
| 351      | 100      | Unbiased            | 24.404     | 24.715      | 0.311  |
| 352      | 100      | Unbiased            | 23.706     | 23.757      | 0.051  |

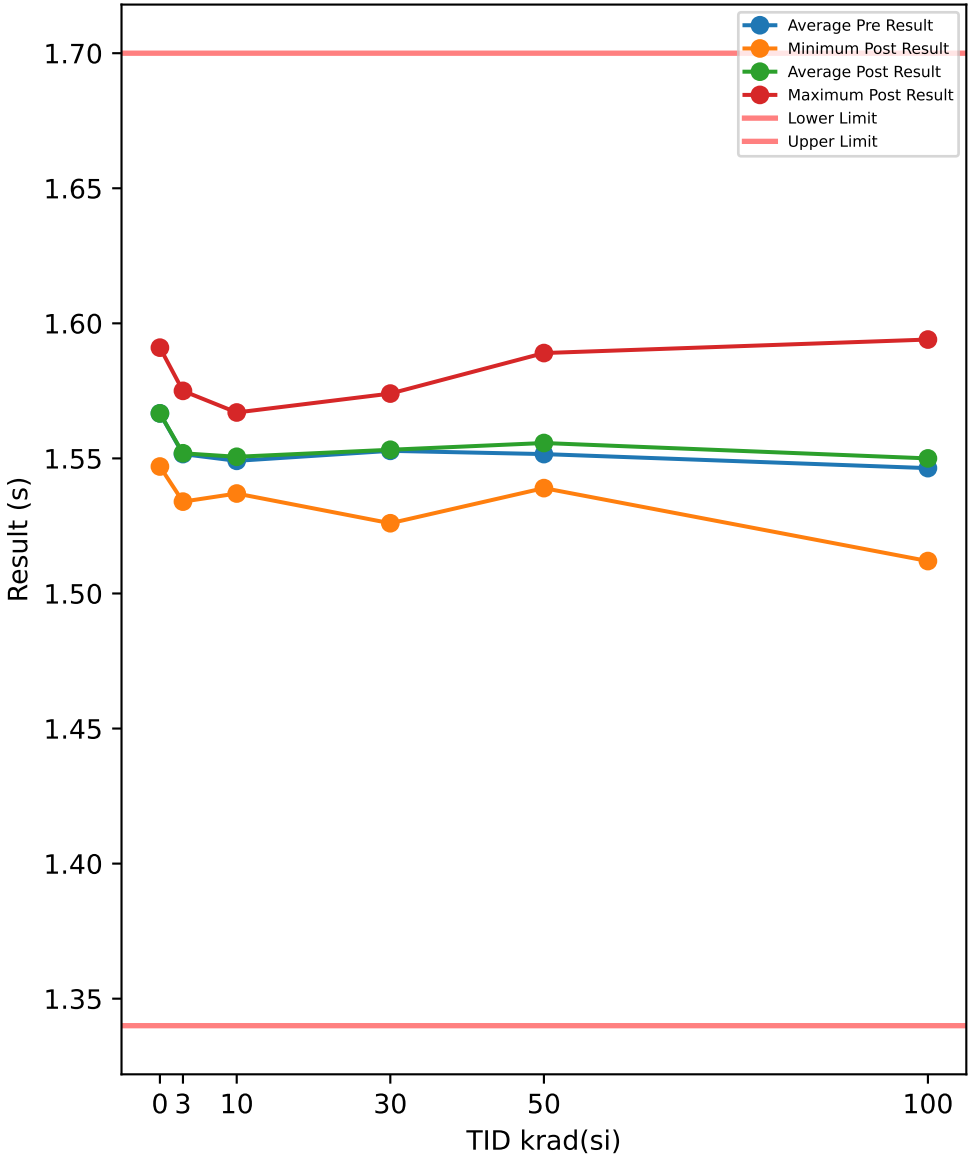
TID vs Post - Pre Exposure Delta



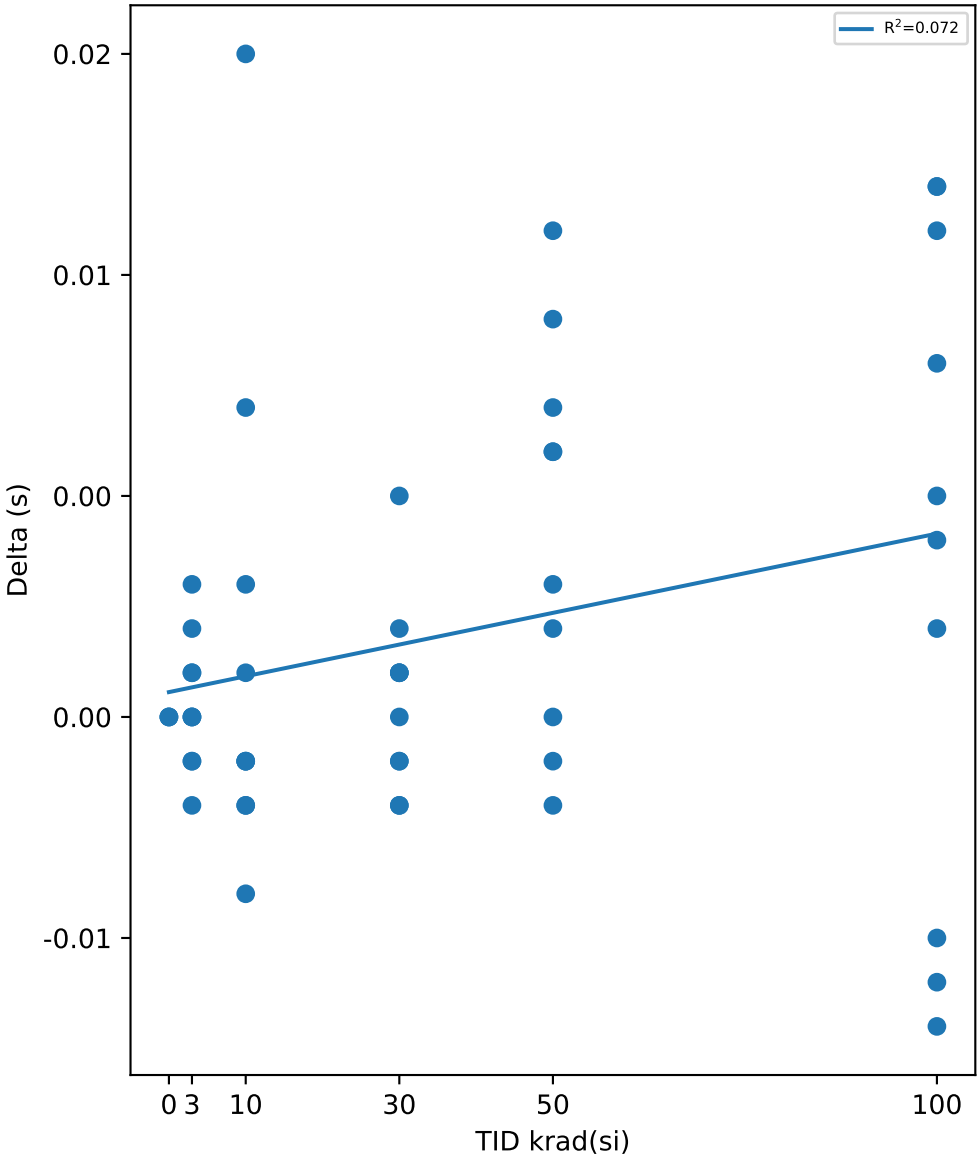
Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 23.538           | 23.794           | 24.095           | 0.28121          | 23.54             | 23.795            | 24.097            | 0.28154           | -0.002    | 0.00066667 | 0.002     | 0.0023094 |
| 3        | 23.417           | 23.892           | 24.299           | 0.27345          | 23.495            | 23.902            | 24.218            | 0.24577           | -0.081    | 0.0108     | 0.106     | 0.059262  |
| 10       | 23.336           | 23.824           | 24.22            | 0.36457          | 23.385            | 23.811            | 24.246            | 0.36042           | -0.794    | -0.0123    | 0.91      | 0.40568   |
| 30       | 23.534           | 24.033           | 24.72            | 0.34428          | 23.688            | 24.053            | 24.672            | 0.3263            | -0.239    | 0.0198     | 0.236     | 0.14126   |
| 50       | 23.218           | 23.711           | 24.204           | 0.307            | 23.417            | 23.825            | 24.256            | 0.31639           | -0.155    | 0.1132     | 0.373     | 0.14273   |
| 100      | 23.391           | 24.035           | 24.589           | 0.40198          | 23.306            | 24.066            | 24.817            | 0.51463           | -0.504    | 0.0305     | 0.435     | 0.26622   |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 1.34, Upper Limit = 1.7 (s))

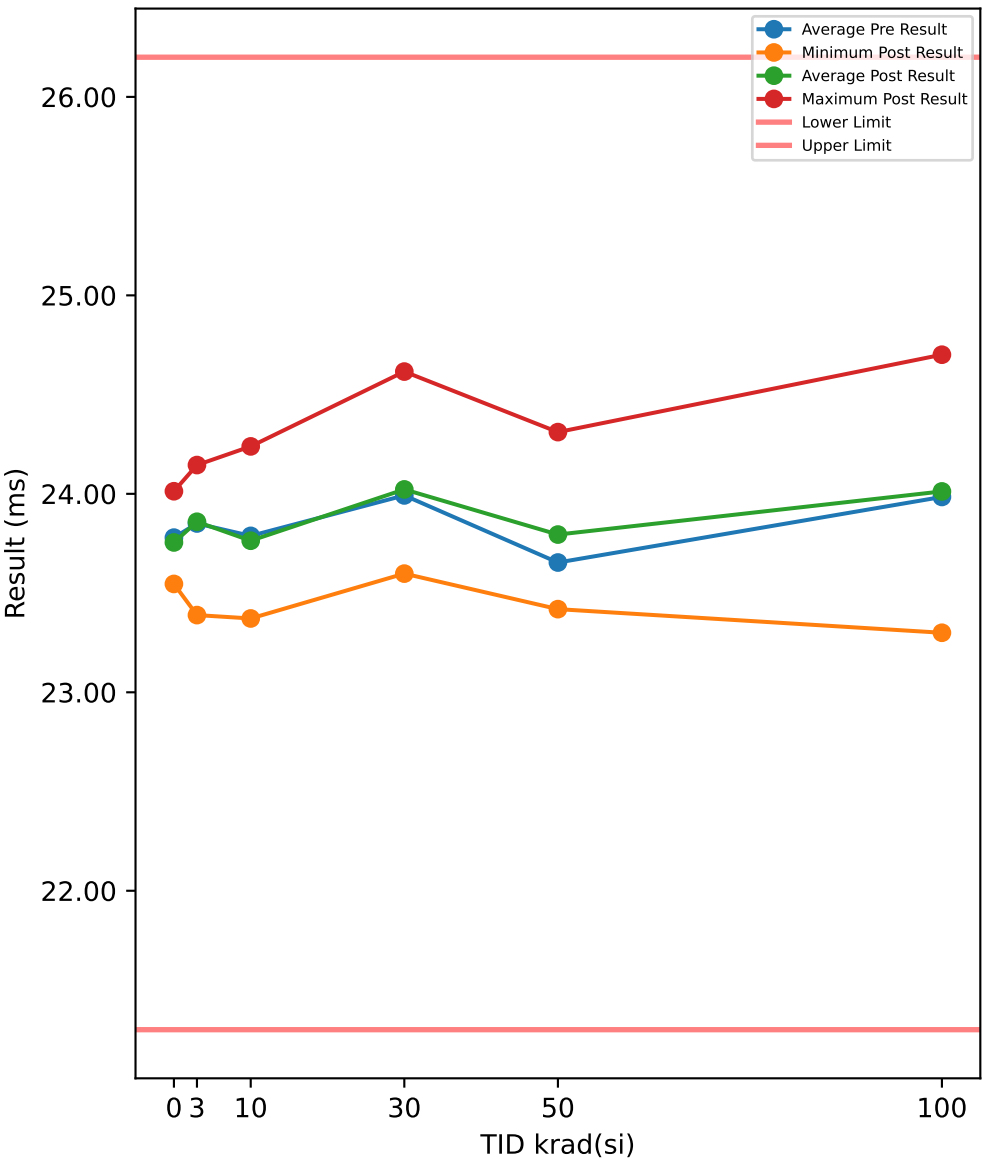
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 1.591      | 1.591       | 0      |
| 301      | 0        | Correlation         | 1.547      | 1.547       | 0      |
| 302      | 0        | Correlation         | 1.562      | 1.562       | 0      |
| 303      | 3        | Bias                | 1.573      | 1.575       | 0.002  |
| 304      | 3        | Bias                | 1.541      | 1.541       | 0      |
| 305      | 3        | Bias                | 1.535      | 1.534       | -0.001 |
| 306      | 3        | Bias                | 1.55       | 1.551       | 0.001  |
| 307      | 3        | Bias                | 1.549      | 1.549       | 0      |
| 308      | 3        | Unbiased            | 1.56       | 1.559       | -0.001 |
| 309      | 3        | Unbiased            | 1.54       | 1.54        | 0      |
| 310      | 3        | Unbiased            | 1.547      | 1.548       | 0.001  |
| 311      | 3        | Unbiased            | 1.557      | 1.555       | -0.002 |
| 312      | 3        | Unbiased            | 1.564      | 1.567       | 0.003  |
| 313      | 10       | Bias                | 1.53       | 1.537       | 0.007  |
| 314      | 10       | Bias                | 1.55       | 1.546       | -0.004 |
| 315      | 10       | Bias                | 1.557      | 1.558       | 0.001  |
| 316      | 10       | Bias                | 1.543      | 1.542       | -0.001 |
| 317      | 10       | Bias                | 1.544      | 1.543       | -0.001 |
| 318      | 10       | Unbiased            | 1.562      | 1.56        | -0.002 |
| 319      | 10       | Unbiased            | 1.555      | 1.558       | 0.003  |
| 320      | 10       | Unbiased            | 1.537      | 1.552       | 0.015  |
| 321      | 10       | Unbiased            | 1.545      | 1.543       | -0.002 |
| 322      | 10       | Unbiased            | 1.568      | 1.567       | -0.001 |
| 323      | 30       | Bias                | 1.531      | 1.529       | -0.002 |
| 324      | 30       | Bias                | 1.525      | 1.526       | 0.001  |
| 325      | 30       | Bias                | 1.575      | 1.574       | -0.001 |
| 326      | 30       | Bias                | 1.551      | 1.55        | -0.001 |
| 327      | 30       | Bias                | 1.539      | 1.54        | 0.001  |
| 328      | 30       | Unbiased            | 1.567      | 1.572       | 0.005  |
| 329      | 30       | Unbiased            | 1.546      | 1.544       | -0.002 |
| 330      | 30       | Unbiased            | 1.567      | 1.569       | 0.002  |
| 331      | 30       | Unbiased            | 1.558      | 1.559       | 0.001  |
| 332      | 30       | Unbiased            | 1.569      | 1.569       | 0      |
| 333      | 50       | Bias                | 1.562      | 1.564       | 0.002  |
| 334      | 50       | Bias                | 1.541      | 1.539       | -0.002 |
| 335      | 50       | Bias                | 1.586      | 1.589       | 0.003  |
| 336      | 50       | Bias                | 1.543      | 1.542       | -0.001 |
| 337      | 50       | Bias                | 1.538      | 1.544       | 0.006  |
| 338      | 50       | Unbiased            | 1.543      | 1.55        | 0.007  |
| 339      | 50       | Unbiased            | 1.537      | 1.543       | 0.006  |
| 340      | 50       | Unbiased            | 1.555      | 1.564       | 0.009  |
| 341      | 50       | Unbiased            | 1.535      | 1.546       | 0.011  |
| 342      | 50       | Unbiased            | 1.576      | 1.576       | 0      |
| 343      | 100      | Bias                | 1.555      | 1.548       | -0.007 |
| 344      | 100      | Bias                | 1.518      | 1.512       | -0.006 |
| 345      | 100      | Bias                | 1.535      | 1.537       | 0.002  |
| 346      | 100      | Bias                | 1.541      | 1.553       | 0.012  |
| 347      | 100      | Bias                | 1.582      | 1.594       | 0.012  |
| 348      | 100      | Unbiased            | 1.523      | 1.527       | 0.004  |
| 349      | 100      | Unbiased            | 1.538      | 1.533       | -0.005 |
| 350      | 100      | Unbiased            | 1.566      | 1.571       | 0.005  |
| 351      | 100      | Unbiased            | 1.545      | 1.556       | 0.011  |
| 352      | 100      | Unbiased            | 1.561      | 1.569       | 0.008  |

Test Statistics (s)

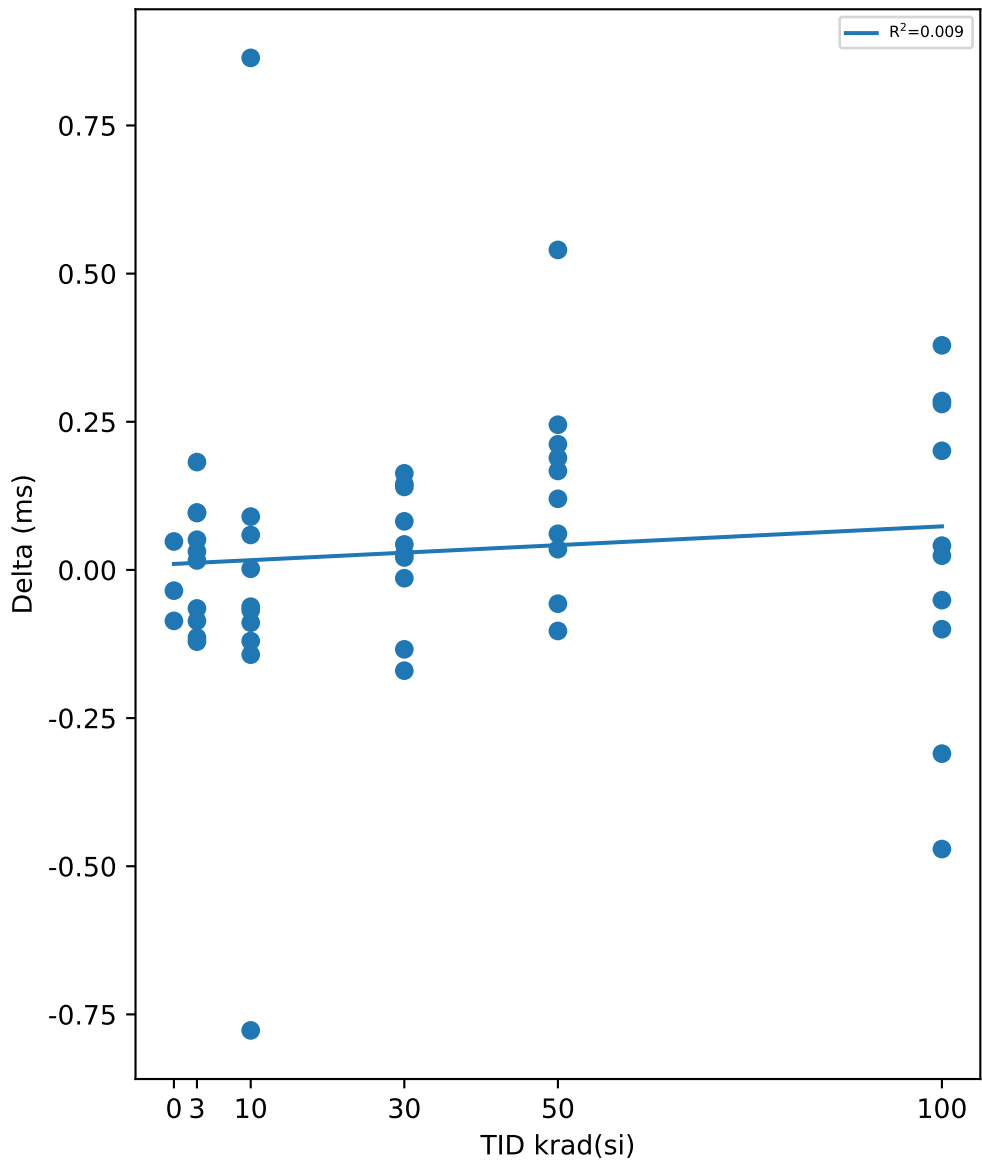
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 1.547            | 1.5667           | 1.591            | 0.022368         | 1.547             | 1.5667            | 1.591             | 0.022368          | 0         | 0         | 0         | 0         |
| 3        | 1.535            | 1.5516           | 1.573            | 0.011853         | 1.534             | 1.5519            | 1.575             | 0.012591          | -0.002    | 0.0003    | 0.003     | 0.0014944 |
| 10       | 1.53             | 1.5491           | 1.568            | 0.011609         | 1.537             | 1.5506            | 1.567             | 0.0098002         | -0.004    | 0.0015    | 0.015     | 0.0056618 |
| 30       | 1.525            | 1.5528           | 1.575            | 0.017236         | 1.526             | 1.5532            | 1.574             | 0.017993          | -0.002    | 0.0004    | 0.005     | 0.0021187 |
| 50       | 1.535            | 1.5516           | 1.586            | 0.01774          | 1.539             | 1.5557            | 1.589             | 0.016833          | -0.002    | 0.0041    | 0.011     | 0.004383  |
| 100      | 1.518            | 1.5464           | 1.582            | 0.019789         | 1.512             | 1.55              | 1.594             | 0.024079          | -0.007    | 0.0036    | 0.012     | 0.0074416 |

Device Test: 5.35 ; DLY\_TMR\_1MOHM

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

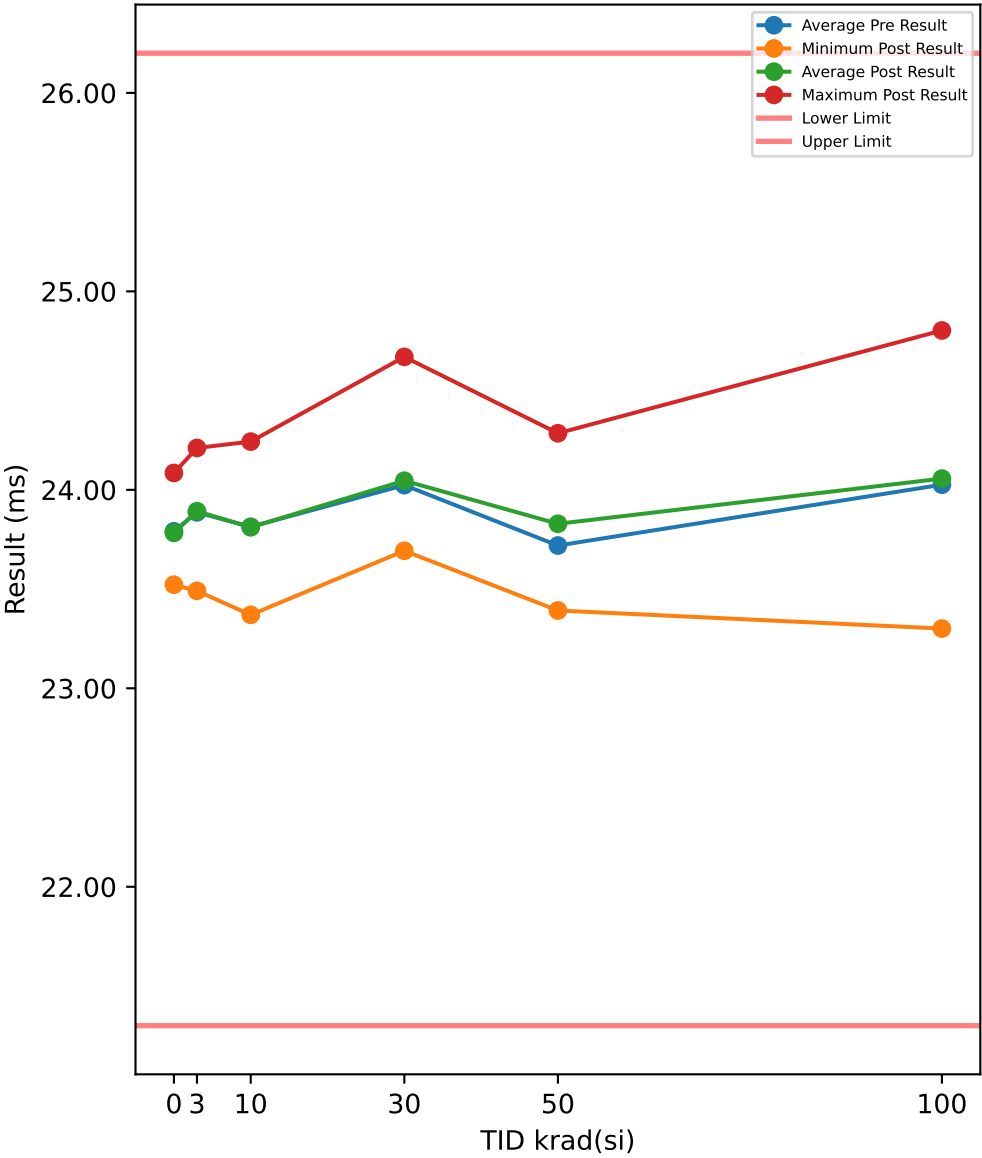
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 24.099     | 24.013      | -0.086 |
| 301      | 0        | Correlation         | 23.741     | 23.706      | -0.035 |
| 302      | 0        | Correlation         | 23.498     | 23.546      | 0.048  |
| 303      | 3        | Bias                | 23.778     | 23.664      | -0.114 |
| 304      | 3        | Bias                | 23.808     | 23.904      | 0.096  |
| 305      | 3        | Bias                | 24.132     | 24.046      | -0.086 |
| 306      | 3        | Bias                | 23.995     | 24.046      | 0.051  |
| 307      | 3        | Bias                | 23.618     | 23.634      | 0.016  |
| 308      | 3        | Unbiased            | 23.358     | 23.389      | 0.031  |
| 309      | 3        | Unbiased            | 24.252     | 24.131      | -0.121 |
| 310      | 3        | Unbiased            | 24.048     | 24.145      | 0.097  |
| 311      | 3        | Unbiased            | 23.665     | 23.847      | 0.182  |
| 312      | 3        | Unbiased            | 23.852     | 23.787      | -0.065 |
| 313      | 10       | Bias                | 23.392     | 23.451      | 0.059  |
| 314      | 10       | Bias                | 23.892     | 23.749      | -0.143 |
| 315      | 10       | Bias                | 23.412     | 23.414      | 0.002  |
| 316      | 10       | Bias                | 23.945     | 23.856      | -0.089 |
| 317      | 10       | Bias                | 24.221     | 24.153      | -0.068 |
| 318      | 10       | Unbiased            | 24.015     | 23.953      | -0.062 |
| 319      | 10       | Unbiased            | 23.492     | 23.372      | -0.12  |
| 320      | 10       | Unbiased            | 24.158     | 23.381      | -0.777 |
| 321      | 10       | Unbiased            | 23.375     | 24.239      | 0.864  |
| 322      | 10       | Unbiased            | 23.979     | 24.069      | 0.09   |
| 323      | 30       | Bias                | 23.895     | 23.938      | 0.043  |
| 324      | 30       | Bias                | 23.738     | 23.82       | 0.082  |
| 325      | 30       | Bias                | 23.997     | 24.142      | 0.145  |
| 326      | 30       | Bias                | 23.993     | 24.156      | 0.163  |
| 327      | 30       | Bias                | 23.67      | 23.656      | -0.014 |
| 328      | 30       | Unbiased            | 24.024     | 23.89       | -0.134 |
| 329      | 30       | Unbiased            | 24.589     | 24.616      | 0.027  |
| 330      | 30       | Unbiased            | 24.177     | 24.007      | -0.17  |
| 331      | 30       | Unbiased            | 23.577     | 23.598      | 0.021  |
| 332      | 30       | Unbiased            | 24.26      | 24.4        | 0.14   |
| 333      | 50       | Bias                | 23.372     | 23.617      | 0.245  |
| 334      | 50       | Bias                | 24.13      | 24.165      | 0.035  |
| 335      | 50       | Bias                | 23.65      | 23.817      | 0.167  |
| 336      | 50       | Bias                | 23.771     | 24.311      | 0.54   |
| 337      | 50       | Bias                | 23.493     | 23.436      | -0.057 |
| 338      | 50       | Unbiased            | 23.207     | 23.419      | 0.212  |
| 339      | 50       | Unbiased            | 23.327     | 23.516      | 0.189  |
| 340      | 50       | Unbiased            | 23.684     | 23.581      | -0.103 |
| 341      | 50       | Unbiased            | 24.058     | 24.119      | 0.061  |
| 342      | 50       | Unbiased            | 23.847     | 23.967      | 0.12   |
| 343      | 100      | Bias                | 23.807     | 24.008      | 0.201  |
| 344      | 100      | Bias                | 23.536     | 23.56       | 0.024  |
| 345      | 100      | Bias                | 24.485     | 24.385      | -0.1   |
| 346      | 100      | Bias                | 23.771     | 23.3        | -0.471 |
| 347      | 100      | Bias                | 23.318     | 23.603      | 0.285  |
| 348      | 100      | Unbiased            | 24.322     | 24.701      | 0.379  |
| 349      | 100      | Unbiased            | 24.316     | 24.006      | -0.31  |
| 350      | 100      | Unbiased            | 24.259     | 24.208      | -0.051 |
| 351      | 100      | Unbiased            | 24.333     | 24.613      | 0.28   |
| 352      | 100      | Unbiased            | 23.696     | 23.737      | 0.041  |

Test Statistics (ms)

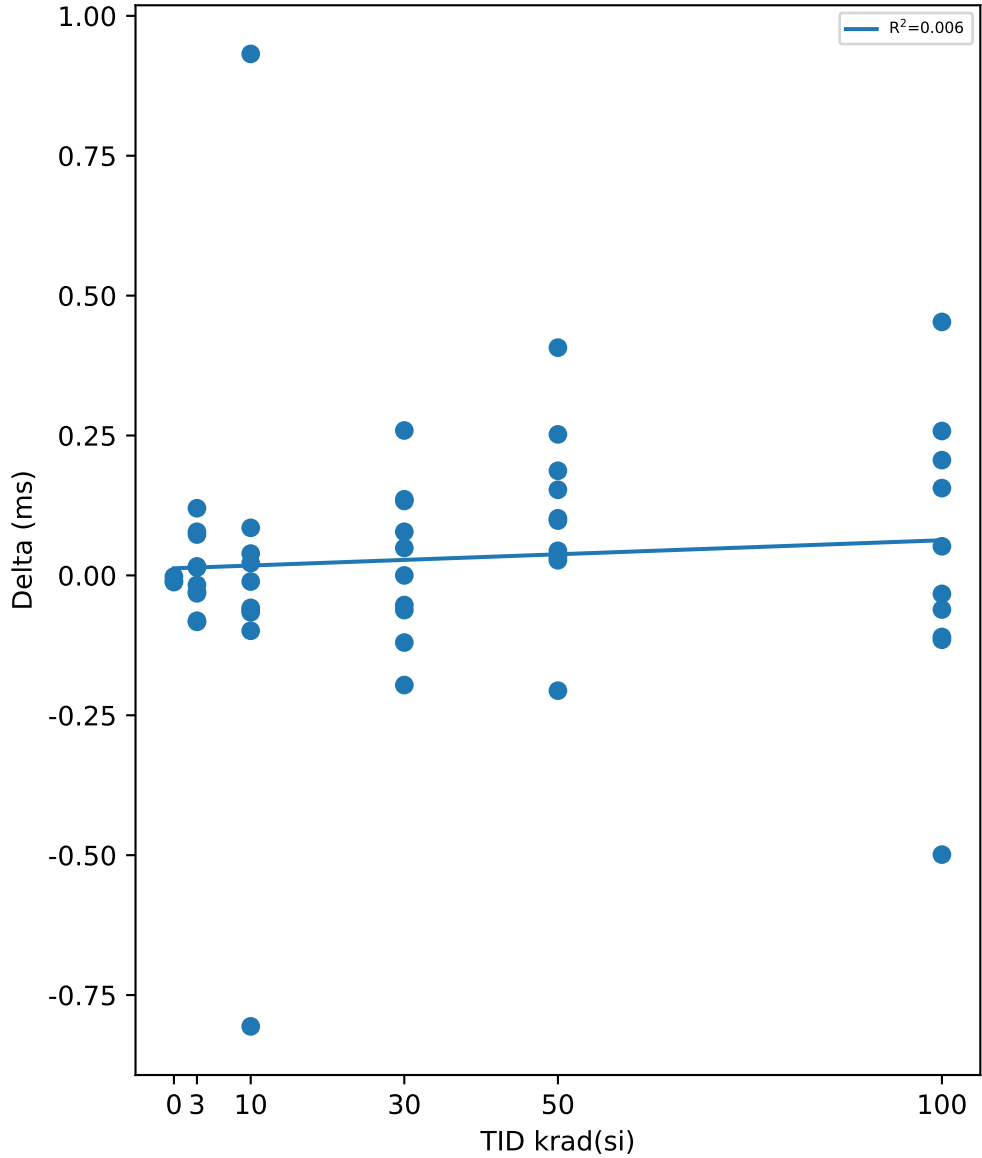
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 23.498           | 23.779           | 24.099           | 0.30233          | 23.546            | 23.755            | 24.013            | 0.23732           | -0.086    | -0.024333 | 0.048     | 0.067634  |
| 3        | 23.358           | 23.851           | 24.252           | 0.26634          | 23.389            | 23.859            | 24.145            | 0.24554           | -0.121    | 0.0087    | 0.182     | 0.10224   |
| 10       | 23.375           | 23.788           | 24.221           | 0.33404          | 23.372            | 23.764            | 24.239            | 0.33915           | -0.777    | -0.0244   | 0.864     | 0.3954    |
| 30       | 23.577           | 23.992           | 24.589           | 0.30062          | 23.598            | 24.022            | 24.616            | 0.31751           | -0.17     | 0.0303    | 0.163     | 0.11294   |
| 50       | 23.207           | 23.654           | 24.13            | 0.30801          | 23.419            | 23.795            | 24.311            | 0.32724           | -0.103    | 0.1409    | 0.54      | 0.181     |
| 100      | 23.318           | 23.984           | 24.485           | 0.40508          | 23.3              | 24.012            | 24.701            | 0.46758           | -0.471    | 0.0278    | 0.379     | 0.27259   |



TID vs Result Stats



TID vs Post - Pre Exposure Delta

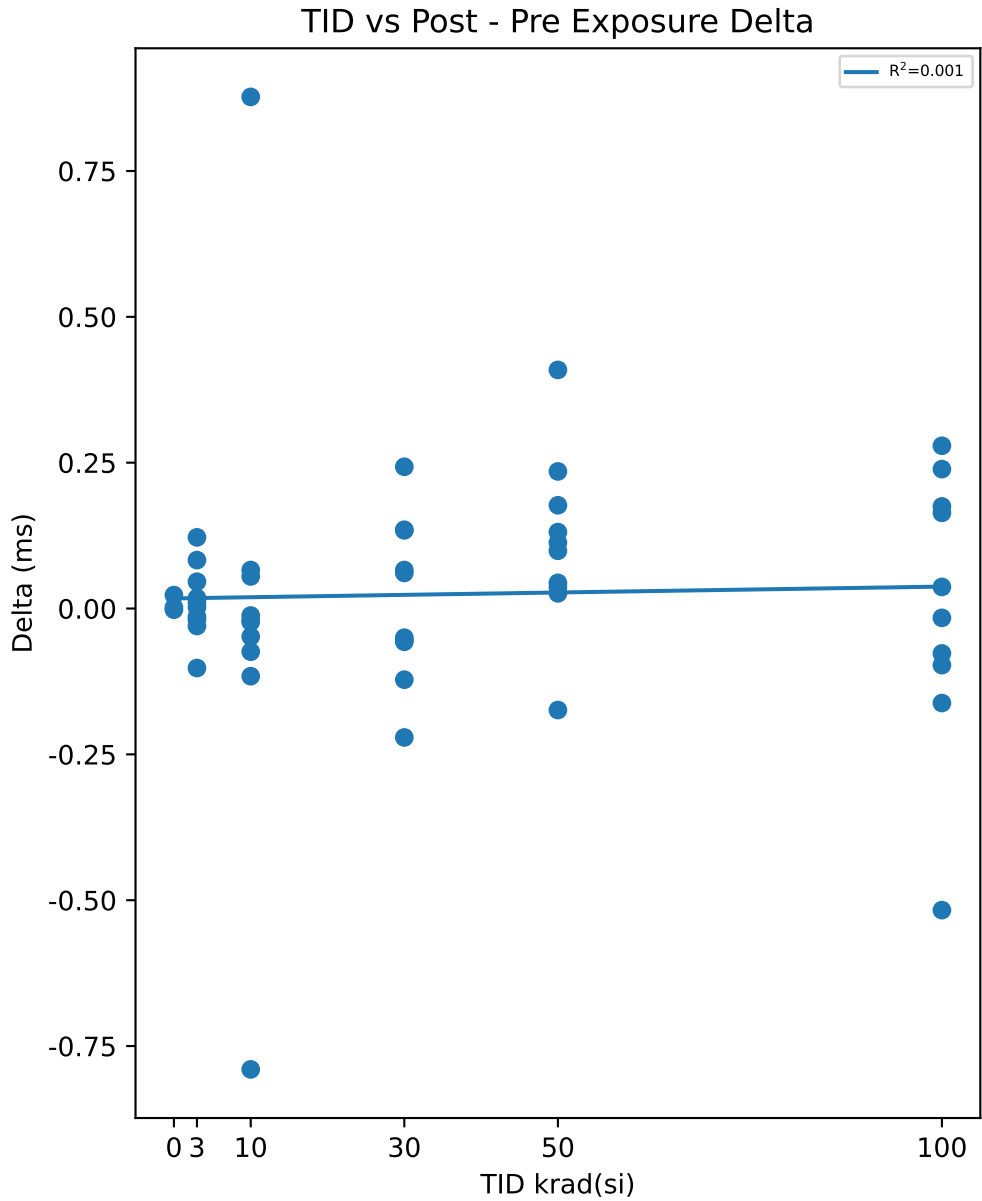
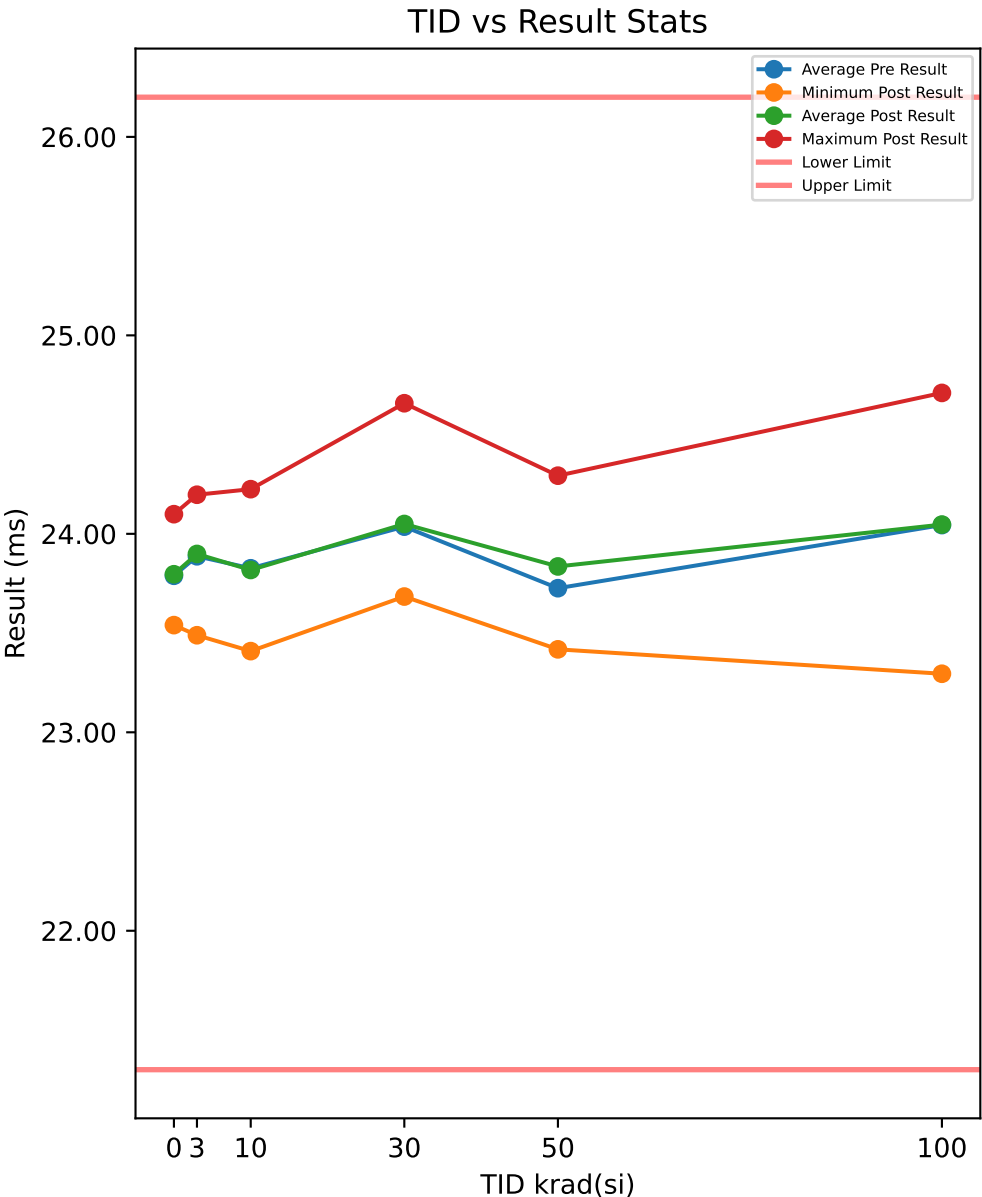


Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 24.095     | 24.085      | -0.01  |
| 301      | 0        | Correlation         | 23.744     | 23.742      | -0.002 |
| 302      | 0        | Correlation         | 23.534     | 23.522      | -0.012 |
| 303      | 3        | Bias                | 23.746     | 23.76       | 0.014  |
| 304      | 3        | Bias                | 23.806     | 23.926      | 0.12   |
| 305      | 3        | Bias                | 24.157     | 24.128      | -0.029 |
| 306      | 3        | Bias                | 24.104     | 24.12       | 0.016  |
| 307      | 3        | Bias                | 23.631     | 23.55       | -0.081 |
| 308      | 3        | Unbiased            | 23.413     | 23.491      | 0.078  |
| 309      | 3        | Unbiased            | 24.294     | 24.211      | -0.083 |
| 310      | 3        | Unbiased            | 24.137     | 24.105      | -0.032 |
| 311      | 3        | Unbiased            | 23.751     | 23.824      | 0.073  |
| 312      | 3        | Unbiased            | 23.826     | 23.809      | -0.017 |
| 313      | 10       | Bias                | 23.501     | 23.439      | -0.062 |
| 314      | 10       | Bias                | 23.855     | 23.756      | -0.099 |
| 315      | 10       | Bias                | 23.414     | 23.436      | 0.022  |
| 316      | 10       | Bias                | 23.891     | 23.976      | 0.085  |
| 317      | 10       | Bias                | 24.21      | 24.199      | -0.011 |
| 318      | 10       | Unbiased            | 24.168     | 24.102      | -0.066 |
| 319      | 10       | Unbiased            | 23.428     | 23.37       | -0.058 |
| 320      | 10       | Unbiased            | 24.234     | 23.428      | -0.806 |
| 321      | 10       | Unbiased            | 23.311     | 24.243      | 0.932  |
| 322      | 10       | Unbiased            | 24.126     | 24.165      | 0.039  |
| 323      | 30       | Bias                | 24.001     | 23.881      | -0.12  |
| 324      | 30       | Bias                | 23.847     | 23.785      | -0.062 |
| 325      | 30       | Bias                | 24.065     | 24.114      | 0.049  |
| 326      | 30       | Bias                | 23.941     | 24.2        | 0.259  |
| 327      | 30       | Bias                | 23.618     | 23.696      | 0.078  |
| 328      | 30       | Unbiased            | 23.987     | 23.934      | -0.053 |
| 329      | 30       | Unbiased            | 24.67      | 24.67       | 0      |
| 330      | 30       | Unbiased            | 24.215     | 24.019      | -0.196 |
| 331      | 30       | Unbiased            | 23.56      | 23.693      | 0.133  |
| 332      | 30       | Unbiased            | 24.332     | 24.468      | 0.136  |
| 333      | 50       | Bias                | 23.445     | 23.598      | 0.153  |
| 334      | 50       | Bias                | 24.219     | 24.251      | 0.032  |
| 335      | 50       | Bias                | 23.759     | 23.786      | 0.027  |
| 336      | 50       | Bias                | 23.878     | 24.285      | 0.407  |
| 337      | 50       | Bias                | 23.598     | 23.392      | -0.206 |
| 338      | 50       | Unbiased            | 23.244     | 23.496      | 0.252  |
| 339      | 50       | Unbiased            | 23.424     | 23.611      | 0.187  |
| 340      | 50       | Unbiased            | 23.667     | 23.711      | 0.044  |
| 341      | 50       | Unbiased            | 24.079     | 24.181      | 0.102  |
| 342      | 50       | Unbiased            | 23.88      | 23.978      | 0.098  |
| 343      | 100      | Bias                | 23.907     | 24.113      | 0.206  |
| 344      | 100      | Bias                | 23.628     | 23.567      | -0.061 |
| 345      | 100      | Bias                | 24.582     | 24.467      | -0.115 |
| 346      | 100      | Bias                | 23.8       | 23.301      | -0.499 |
| 347      | 100      | Bias                | 23.412     | 23.568      | 0.156  |
| 348      | 100      | Unbiased            | 24.35      | 24.803      | 0.453  |
| 349      | 100      | Unbiased            | 24.265     | 24.155      | -0.11  |
| 350      | 100      | Unbiased            | 24.205     | 24.172      | -0.033 |
| 351      | 100      | Unbiased            | 24.425     | 24.683      | 0.258  |
| 352      | 100      | Unbiased            | 23.685     | 23.737      | 0.052  |

Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 23.534           | 23.791           | 24.095           | 0.28344          | 23.522            | 23.783            | 24.085            | 0.28373           | -0.012    | -0.008    | -0.002    | 0.0052915 |
| 3        | 23.413           | 23.887           | 24.294           | 0.27629          | 23.491            | 23.892            | 24.211            | 0.25004           | -0.083    | 0.0059    | 0.12      | 0.067922  |
| 10       | 23.311           | 23.814           | 24.234           | 0.3687           | 23.37             | 23.811            | 24.243            | 0.36478           | -0.806    | -0.0024   | 0.932     | 0.41485   |
| 30       | 23.56            | 24.024           | 24.67            | 0.32839          | 23.693            | 24.046            | 24.67             | 0.32515           | -0.196    | 0.0224    | 0.259     | 0.13589   |
| 50       | 23.244           | 23.719           | 24.219           | 0.30505          | 23.392            | 23.829            | 24.285            | 0.325             | -0.206    | 0.1096    | 0.407     | 0.16109   |
| 100      | 23.412           | 24.026           | 24.582           | 0.39149          | 23.301            | 24.057            | 24.803            | 0.50504           | -0.499    | 0.0307    | 0.453     | 0.26055   |

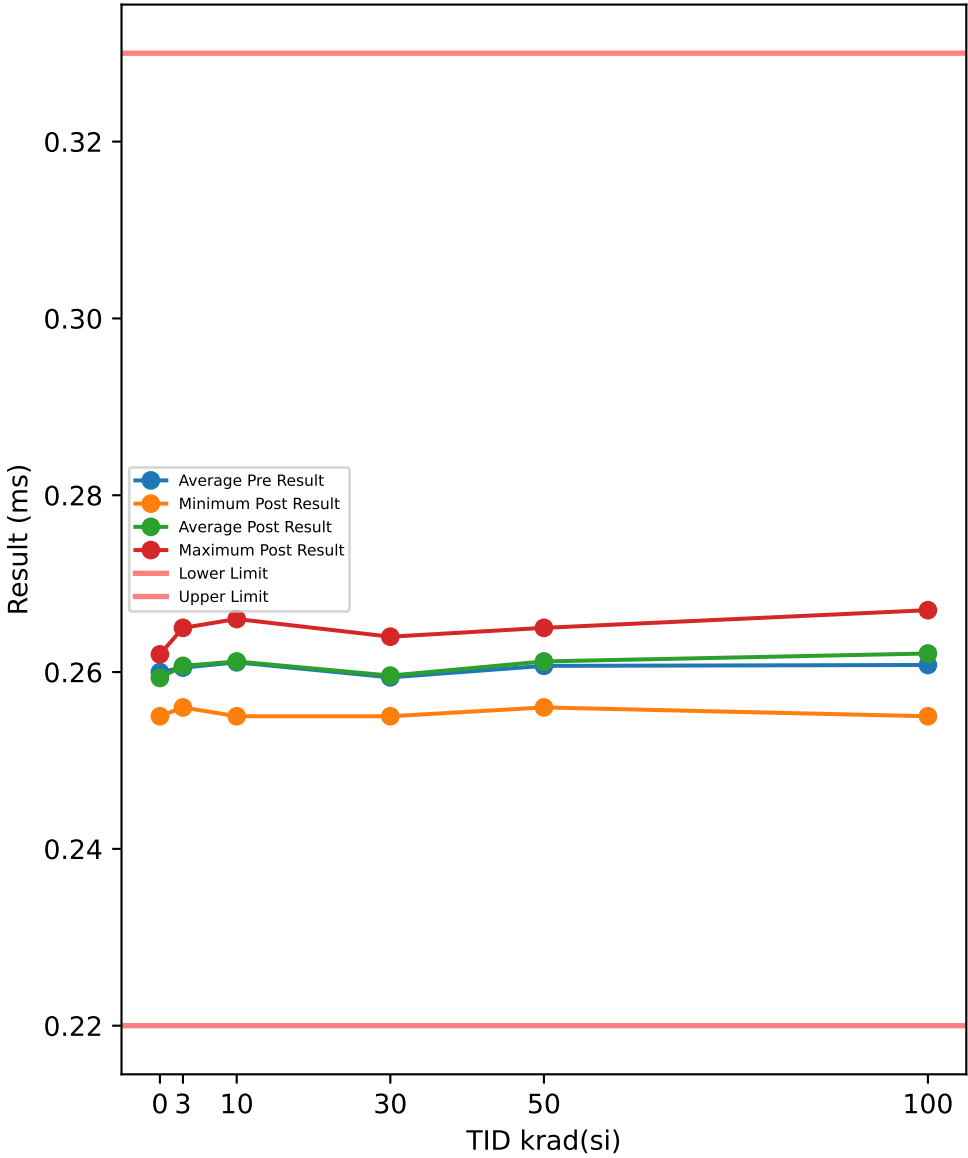


| Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms)) |          |                     |            |             |        |
|------------------------------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                                   | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                                        | 0        | Correlation         | 24.076     | 24.099      | 0.023  |
| 301                                                        | 0        | Correlation         | 23.752     | 23.75       | -0.002 |
| 302                                                        | 0        | Correlation         | 23.538     | 23.54       | 0.002  |
| 303                                                        | 3        | Bias                | 23.744     | 23.755      | 0.011  |
| 304                                                        | 3        | Bias                | 23.81      | 23.932      | 0.122  |
| 305                                                        | 3        | Bias                | 24.141     | 24.127      | -0.014 |
| 306                                                        | 3        | Bias                | 24.111     | 24.129      | 0.018  |
| 307                                                        | 3        | Bias                | 23.618     | 23.588      | -0.03  |
| 308                                                        | 3        | Unbiased            | 23.406     | 23.489      | 0.083  |
| 309                                                        | 3        | Unbiased            | 24.299     | 24.197      | -0.102 |
| 310                                                        | 3        | Unbiased            | 24.122     | 24.124      | 0.002  |
| 311                                                        | 3        | Unbiased            | 23.785     | 23.831      | 0.046  |
| 312                                                        | 3        | Unbiased            | 23.833     | 23.814      | -0.019 |
| 313                                                        | 10       | Bias                | 23.507     | 23.459      | -0.048 |
| 314                                                        | 10       | Bias                | 23.861     | 23.745      | -0.116 |
| 315                                                        | 10       | Bias                | 23.44      | 23.417      | -0.023 |
| 316                                                        | 10       | Bias                | 23.904     | 23.97       | 0.066  |
| 317                                                        | 10       | Bias                | 24.215     | 24.203      | -0.012 |
| 318                                                        | 10       | Unbiased            | 24.181     | 24.107      | -0.074 |
| 319                                                        | 10       | Unbiased            | 23.429     | 23.409      | -0.02  |
| 320                                                        | 10       | Unbiased            | 24.24      | 23.45       | -0.79  |
| 321                                                        | 10       | Unbiased            | 23.348     | 24.225      | 0.877  |
| 322                                                        | 10       | Unbiased            | 24.139     | 24.194      | 0.055  |
| 323                                                        | 30       | Bias                | 24.004     | 23.882      | -0.122 |
| 324                                                        | 30       | Bias                | 23.855     | 23.798      | -0.057 |
| 325                                                        | 30       | Bias                | 24.07      | 24.136      | 0.066  |
| 326                                                        | 30       | Bias                | 23.963     | 24.206      | 0.243  |
| 327                                                        | 30       | Bias                | 23.623     | 23.684      | 0.061  |
| 328                                                        | 30       | Unbiased            | 23.993     | 23.943      | -0.05  |
| 329                                                        | 30       | Unbiased            | 24.713     | 24.658      | -0.055 |
| 330                                                        | 30       | Unbiased            | 24.247     | 24.026      | -0.221 |
| 331                                                        | 30       | Unbiased            | 23.551     | 23.686      | 0.135  |
| 332                                                        | 30       | Unbiased            | 24.343     | 24.477      | 0.134  |
| 333                                                        | 50       | Bias                | 23.475     | 23.606      | 0.131  |
| 334                                                        | 50       | Bias                | 24.224     | 24.25       | 0.026  |
| 335                                                        | 50       | Bias                | 23.76      | 23.796      | 0.036  |
| 336                                                        | 50       | Bias                | 23.884     | 24.293      | 0.409  |
| 337                                                        | 50       | Bias                | 23.592     | 23.418      | -0.174 |
| 338                                                        | 50       | Unbiased            | 23.252     | 23.487      | 0.235  |
| 339                                                        | 50       | Unbiased            | 23.44      | 23.617      | 0.177  |
| 340                                                        | 50       | Unbiased            | 23.674     | 23.718      | 0.044  |
| 341                                                        | 50       | Unbiased            | 24.075     | 24.188      | 0.113  |
| 342                                                        | 50       | Unbiased            | 23.885     | 23.984      | 0.099  |
| 343                                                        | 100      | Bias                | 23.913     | 24.088      | 0.175  |
| 344                                                        | 100      | Bias                | 23.602     | 23.586      | -0.016 |
| 345                                                        | 100      | Bias                | 24.589     | 24.492      | -0.097 |
| 346                                                        | 100      | Bias                | 23.812     | 23.295      | -0.517 |
| 347                                                        | 100      | Bias                | 23.418     | 23.582      | 0.164  |
| 348                                                        | 100      | Unbiased            | 24.387     | 24.626      | 0.239  |
| 349                                                        | 100      | Unbiased            | 24.328     | 24.166      | -0.162 |
| 350                                                        | 100      | Unbiased            | 24.254     | 24.177      | -0.077 |
| 351                                                        | 100      | Unbiased            | 24.431     | 24.71       | 0.279  |
| 352                                                        | 100      | Unbiased            | 23.707     | 23.744      | 0.037  |

Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 23.538           | 23.789           | 24.076           | 0.27087          | 23.54             | 23.796            | 24.099            | 0.28237           | -0.002    | 0.0076667 | 0.023     | 0.013429  |
| 3        | 23.406           | 23.887           | 24.299           | 0.2755           | 23.489            | 23.899            | 24.197            | 0.24558           | -0.102    | 0.0117    | 0.122     | 0.062209  |
| 10       | 23.348           | 23.826           | 24.24            | 0.36376          | 23.409            | 23.818            | 24.225            | 0.35895           | -0.79     | -0.0085   | 0.877     | 0.39752   |
| 30       | 23.551           | 24.036           | 24.713           | 0.34075          | 23.684            | 24.05             | 24.658            | 0.32556           | -0.221    | 0.0134    | 0.243     | 0.13905   |
| 50       | 23.252           | 23.726           | 24.224           | 0.30025          | 23.418            | 23.836            | 24.293            | 0.323             | -0.174    | 0.1096    | 0.409     | 0.15189   |
| 100      | 23.418           | 24.044           | 24.589           | 0.40291          | 23.295            | 24.047            | 24.71             | 0.48208           | -0.517    | 0.0025    | 0.279     | 0.23639   |

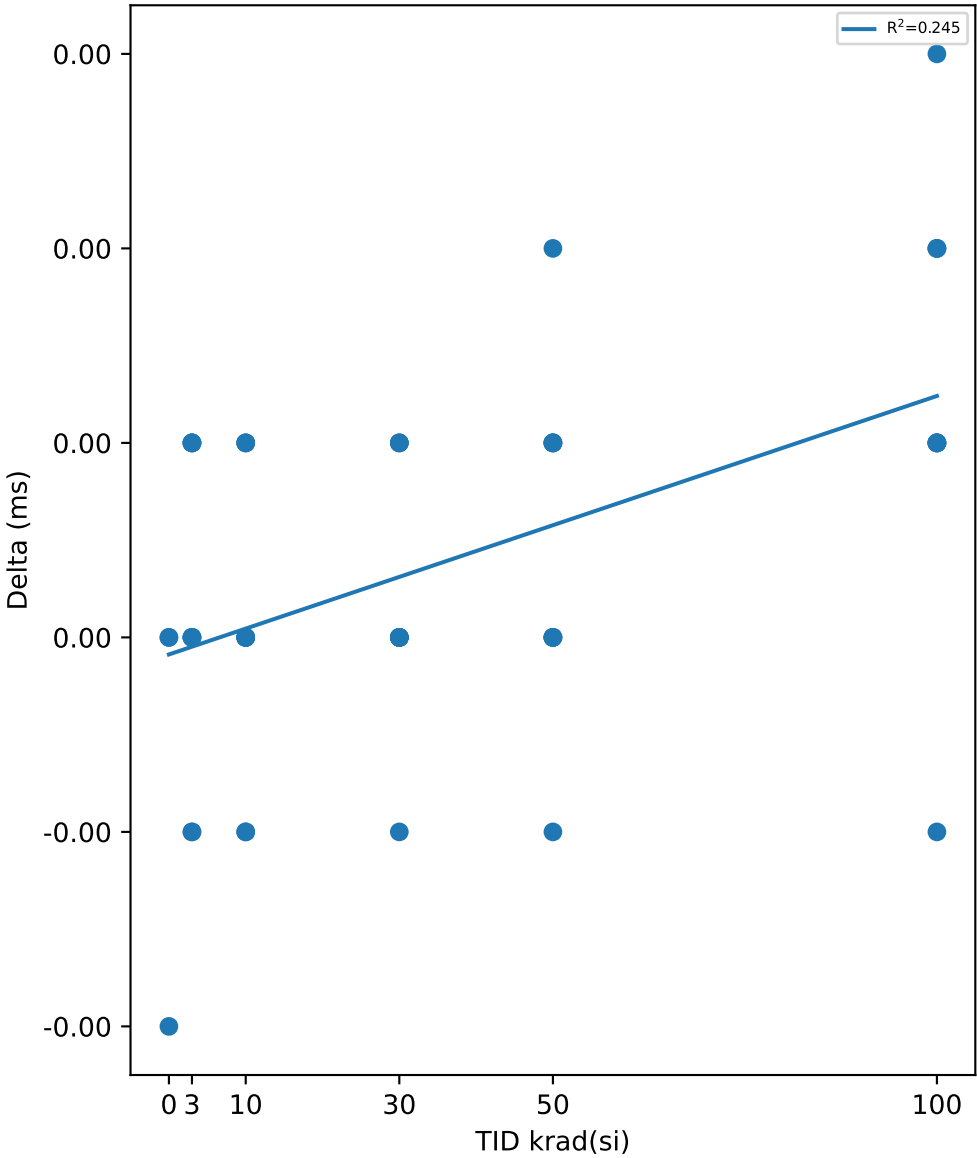
TID vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.264      | 0.262       | -0.002 |
| 301      | 0        | Correlation         | 0.261      | 0.261       | 0      |
| 302      | 0        | Correlation         | 0.255      | 0.255       | 0      |
| 303      | 3        | Bias                | 0.256      | 0.256       | 0      |
| 304      | 3        | Bias                | 0.255      | 0.256       | 0.001  |
| 305      | 3        | Bias                | 0.264      | 0.264       | 0      |
| 306      | 3        | Bias                | 0.263      | 0.263       | 0      |
| 307      | 3        | Bias                | 0.264      | 0.263       | -0.001 |
| 308      | 3        | Unbiased            | 0.263      | 0.262       | -0.001 |
| 309      | 3        | Unbiased            | 0.265      | 0.265       | 0      |
| 310      | 3        | Unbiased            | 0.264      | 0.265       | 0.001  |
| 311      | 3        | Unbiased            | 0.256      | 0.257       | 0.001  |
| 312      | 3        | Unbiased            | 0.255      | 0.256       | 0.001  |
| 313      | 10       | Bias                | 0.256      | 0.257       | 0.001  |
| 314      | 10       | Bias                | 0.256      | 0.255       | -0.001 |
| 315      | 10       | Bias                | 0.256      | 0.256       | 0      |
| 316      | 10       | Bias                | 0.264      | 0.263       | -0.001 |
| 317      | 10       | Bias                | 0.264      | 0.264       | 0      |
| 318      | 10       | Unbiased            | 0.265      | 0.265       | 0      |
| 319      | 10       | Unbiased            | 0.255      | 0.256       | 0.001  |
| 320      | 10       | Unbiased            | 0.265      | 0.265       | 0      |
| 321      | 10       | Unbiased            | 0.265      | 0.266       | 0.001  |
| 322      | 10       | Unbiased            | 0.265      | 0.265       | 0      |
| 323      | 30       | Bias                | 0.256      | 0.257       | 0.001  |
| 324      | 30       | Bias                | 0.256      | 0.256       | 0      |
| 325      | 30       | Bias                | 0.262      | 0.263       | 0.001  |
| 326      | 30       | Bias                | 0.261      | 0.261       | 0      |
| 327      | 30       | Bias                | 0.254      | 0.255       | 0.001  |
| 328      | 30       | Unbiased            | 0.264      | 0.263       | -0.001 |
| 329      | 30       | Unbiased            | 0.258      | 0.258       | 0      |
| 330      | 30       | Unbiased            | 0.255      | 0.255       | 0      |
| 331      | 30       | Unbiased            | 0.264      | 0.264       | 0      |
| 332      | 30       | Unbiased            | 0.264      | 0.264       | 0      |
| 333      | 50       | Bias                | 0.262      | 0.263       | 0.001  |
| 334      | 50       | Bias                | 0.263      | 0.264       | 0.001  |
| 335      | 50       | Bias                | 0.256      | 0.256       | 0      |
| 336      | 50       | Bias                | 0.262      | 0.264       | 0.002  |
| 337      | 50       | Bias                | 0.256      | 0.257       | 0.001  |
| 338      | 50       | Unbiased            | 0.261      | 0.262       | 0.001  |
| 339      | 50       | Unbiased            | 0.26       | 0.26        | 0      |
| 340      | 50       | Unbiased            | 0.265      | 0.264       | -0.001 |
| 341      | 50       | Unbiased            | 0.265      | 0.265       | 0      |
| 342      | 50       | Unbiased            | 0.257      | 0.257       | 0      |
| 343      | 100      | Bias                | 0.263      | 0.265       | 0.002  |
| 344      | 100      | Bias                | 0.262      | 0.263       | 0.001  |
| 345      | 100      | Bias                | 0.256      | 0.259       | 0.003  |
| 346      | 100      | Bias                | 0.257      | 0.258       | 0.001  |
| 347      | 100      | Bias                | 0.258      | 0.259       | 0.001  |
| 348      | 100      | Unbiased            | 0.265      | 0.267       | 0.002  |
| 349      | 100      | Unbiased            | 0.256      | 0.255       | -0.001 |
| 350      | 100      | Unbiased            | 0.265      | 0.266       | 0.001  |
| 351      | 100      | Unbiased            | 0.264      | 0.265       | 0.001  |
| 352      | 100      | Unbiased            | 0.262      | 0.264       | 0.002  |

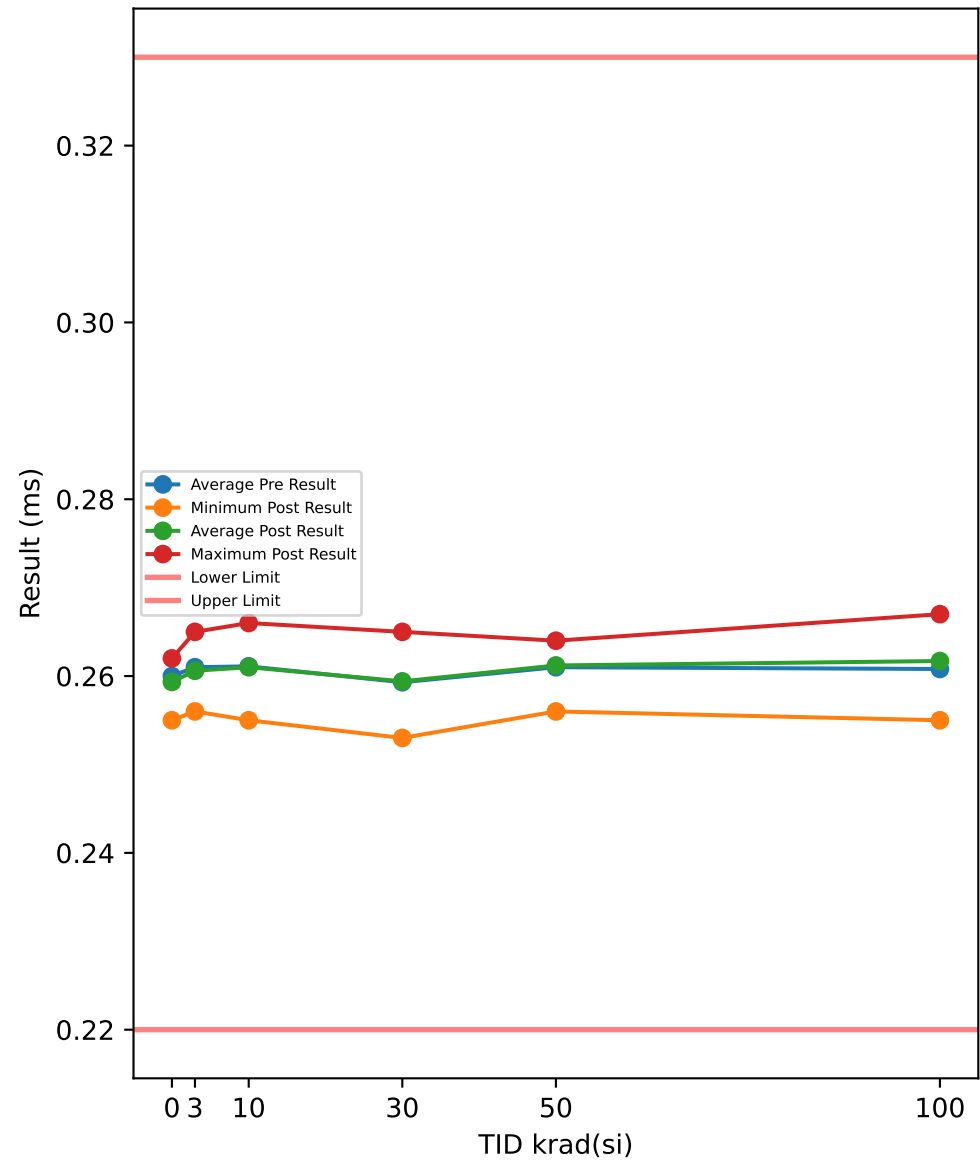
TID vs Post - Pre Exposure Delta



Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|------------|
| 0        | 0.255            | 0.26             | 0.264            | 0.0045826        | 0.255             | 0.25933           | 0.262             | 0.0037859         | -0.002    | -0.00066667 | 0         | 0.0011547  |
| 3        | 0.255            | 0.2605           | 0.265            | 0.0043525        | 0.256             | 0.2607            | 0.265             | 0.0039455         | -0.001    | 0.0002      | 0.001     | 0.00078881 |
| 10       | 0.255            | 0.2611           | 0.265            | 0.0046296        | 0.255             | 0.2612            | 0.266             | 0.0045656         | -0.001    | 0.0001      | 0.001     | 0.00073786 |
| 30       | 0.254            | 0.2594           | 0.264            | 0.0040332        | 0.255             | 0.2596            | 0.264             | 0.0037771         | -0.001    | 0.0002      | 0.001     | 0.00063246 |
| 50       | 0.256            | 0.2607           | 0.265            | 0.003401         | 0.256             | 0.2612            | 0.265             | 0.0034254         | -0.001    | 0.0005      | 0.002     | 0.00084984 |
| 100      | 0.256            | 0.2608           | 0.265            | 0.0036757        | 0.255             | 0.2621            | 0.267             | 0.0040401         | -0.001    | 0.0013      | 0.003     | 0.0010593  |

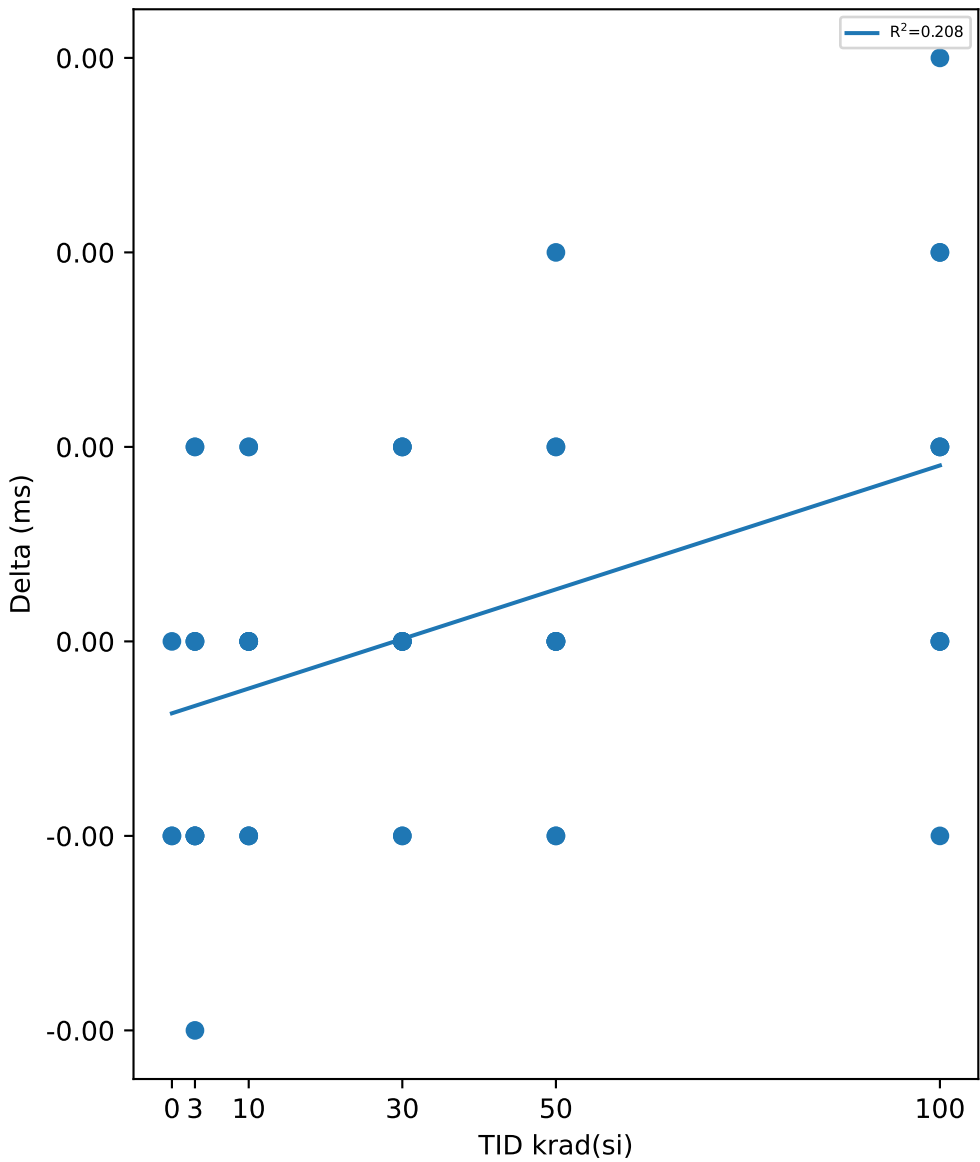
TID vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.263      | 0.262       | -0.001 |
| 301      | 0        | Correlation         | 0.262      | 0.261       | -0.001 |
| 302      | 0        | Correlation         | 0.255      | 0.255       | 0      |
| 303      | 3        | Bias                | 0.256      | 0.257       | 0.001  |
| 304      | 3        | Bias                | 0.256      | 0.256       | 0      |
| 305      | 3        | Bias                | 0.265      | 0.264       | -0.001 |
| 306      | 3        | Bias                | 0.263      | 0.263       | 0      |
| 307      | 3        | Bias                | 0.264      | 0.262       | -0.002 |
| 308      | 3        | Unbiased            | 0.263      | 0.262       | -0.001 |
| 309      | 3        | Unbiased            | 0.265      | 0.265       | 0      |
| 310      | 3        | Unbiased            | 0.265      | 0.264       | -0.001 |
| 311      | 3        | Unbiased            | 0.256      | 0.257       | 0.001  |
| 312      | 3        | Unbiased            | 0.257      | 0.256       | -0.001 |
| 313      | 10       | Bias                | 0.255      | 0.255       | 0      |
| 314      | 10       | Bias                | 0.254      | 0.255       | 0.001  |
| 315      | 10       | Bias                | 0.256      | 0.255       | -0.001 |
| 316      | 10       | Bias                | 0.263      | 0.263       | 0      |
| 317      | 10       | Bias                | 0.265      | 0.264       | -0.001 |
| 318      | 10       | Unbiased            | 0.266      | 0.265       | -0.001 |
| 319      | 10       | Unbiased            | 0.256      | 0.256       | 0      |
| 320      | 10       | Unbiased            | 0.266      | 0.266       | 0      |
| 321      | 10       | Unbiased            | 0.265      | 0.266       | 0.001  |
| 322      | 10       | Unbiased            | 0.265      | 0.265       | 0      |
| 323      | 30       | Bias                | 0.256      | 0.256       | 0      |
| 324      | 30       | Bias                | 0.256      | 0.256       | 0      |
| 325      | 30       | Bias                | 0.264      | 0.263       | -0.001 |
| 326      | 30       | Bias                | 0.261      | 0.262       | 0.001  |
| 327      | 30       | Bias                | 0.254      | 0.253       | -0.001 |
| 328      | 30       | Unbiased            | 0.263      | 0.263       | 0      |
| 329      | 30       | Unbiased            | 0.257      | 0.257       | 0      |
| 330      | 30       | Unbiased            | 0.255      | 0.255       | 0      |
| 331      | 30       | Unbiased            | 0.264      | 0.265       | 0.001  |
| 332      | 30       | Unbiased            | 0.263      | 0.264       | 0.001  |
| 333      | 50       | Bias                | 0.262      | 0.263       | 0.001  |
| 334      | 50       | Bias                | 0.264      | 0.264       | 0      |
| 335      | 50       | Bias                | 0.256      | 0.256       | 0      |
| 336      | 50       | Bias                | 0.262      | 0.264       | 0.002  |
| 337      | 50       | Bias                | 0.257      | 0.256       | -0.001 |
| 338      | 50       | Unbiased            | 0.262      | 0.262       | 0      |
| 339      | 50       | Unbiased            | 0.26       | 0.261       | 0.001  |
| 340      | 50       | Unbiased            | 0.264      | 0.264       | 0      |
| 341      | 50       | Unbiased            | 0.264      | 0.264       | 0      |
| 342      | 50       | Unbiased            | 0.259      | 0.258       | -0.001 |
| 343      | 100      | Bias                | 0.263      | 0.265       | 0.002  |
| 344      | 100      | Bias                | 0.262      | 0.263       | 0.001  |
| 345      | 100      | Bias                | 0.257      | 0.258       | 0.001  |
| 346      | 100      | Bias                | 0.258      | 0.257       | -0.001 |
| 347      | 100      | Bias                | 0.256      | 0.259       | 0.003  |
| 348      | 100      | Unbiased            | 0.265      | 0.267       | 0.002  |
| 349      | 100      | Unbiased            | 0.255      | 0.255       | 0      |
| 350      | 100      | Unbiased            | 0.266      | 0.267       | 0.001  |
| 351      | 100      | Unbiased            | 0.264      | 0.264       | 0      |
| 352      | 100      | Unbiased            | 0.262      | 0.262       | 0      |

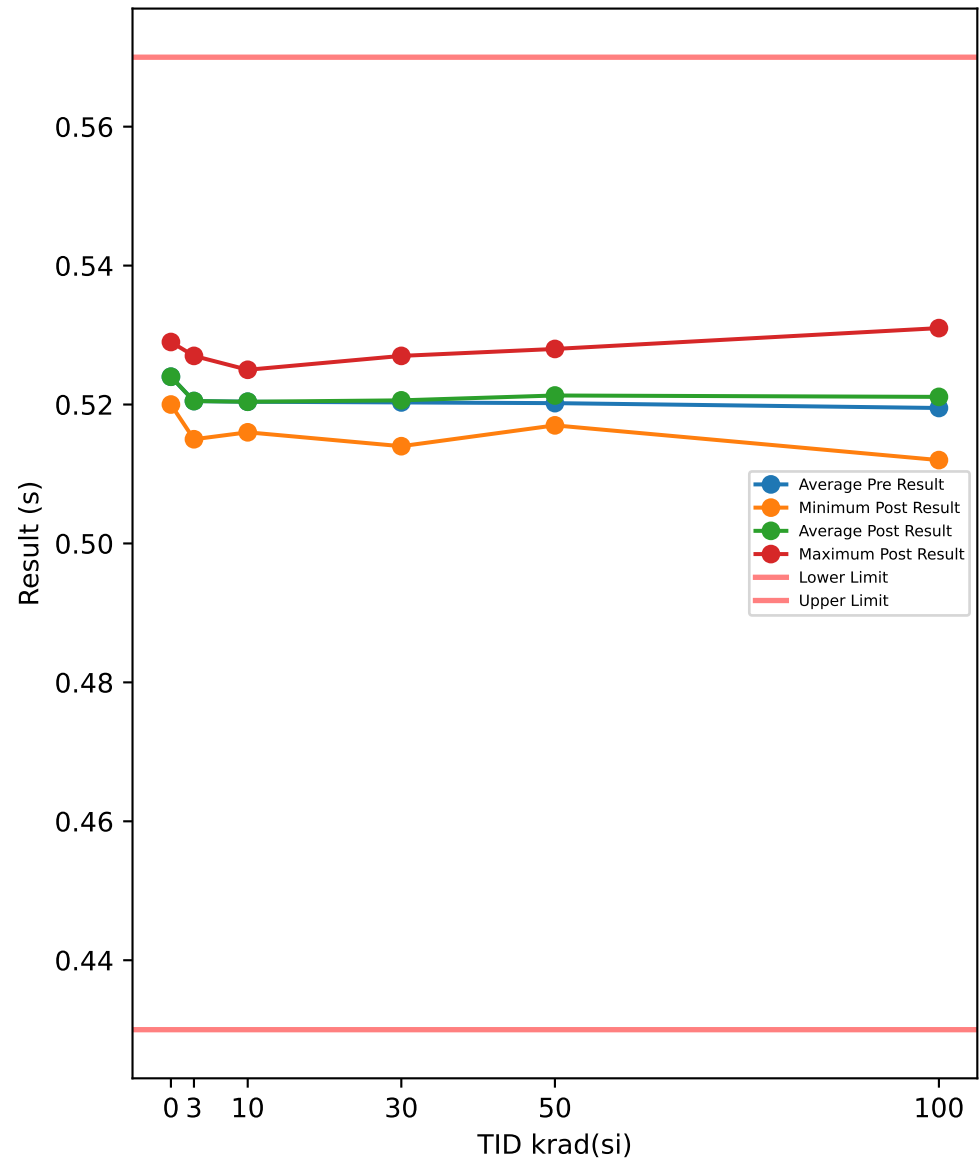
TID vs Post - Pre Exposure Delta



Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|------------|
| 0        | 0.255            | 0.26             | 0.263            | 0.0043589        | 0.255             | 0.25933           | 0.262             | 0.0037859         | -0.001    | -0.00066667 | 0         | 0.00057735 |
| 3        | 0.256            | 0.261            | 0.265            | 0.0041633        | 0.256             | 0.2606            | 0.265             | 0.0036576         | -0.002    | -0.0004     | 0.001     | 0.00096609 |
| 10       | 0.254            | 0.2611           | 0.266            | 0.0051305        | 0.255             | 0.261             | 0.266             | 0.0050332         | -0.001    | -0.0001     | 0.001     | 0.00073786 |
| 30       | 0.254            | 0.2593           | 0.264            | 0.0040565        | 0.253             | 0.2594            | 0.265             | 0.004402          | -0.001    | 0.0001      | 0.001     | 0.00073786 |
| 50       | 0.256            | 0.261            | 0.264            | 0.0029059        | 0.256             | 0.2612            | 0.264             | 0.0033267         | -0.001    | 0.0002      | 0.002     | 0.00091894 |
| 100      | 0.255            | 0.2608           | 0.266            | 0.0039665        | 0.255             | 0.2617            | 0.267             | 0.0042439         | -0.001    | 0.0009      | 0.003     | 0.0011972  |

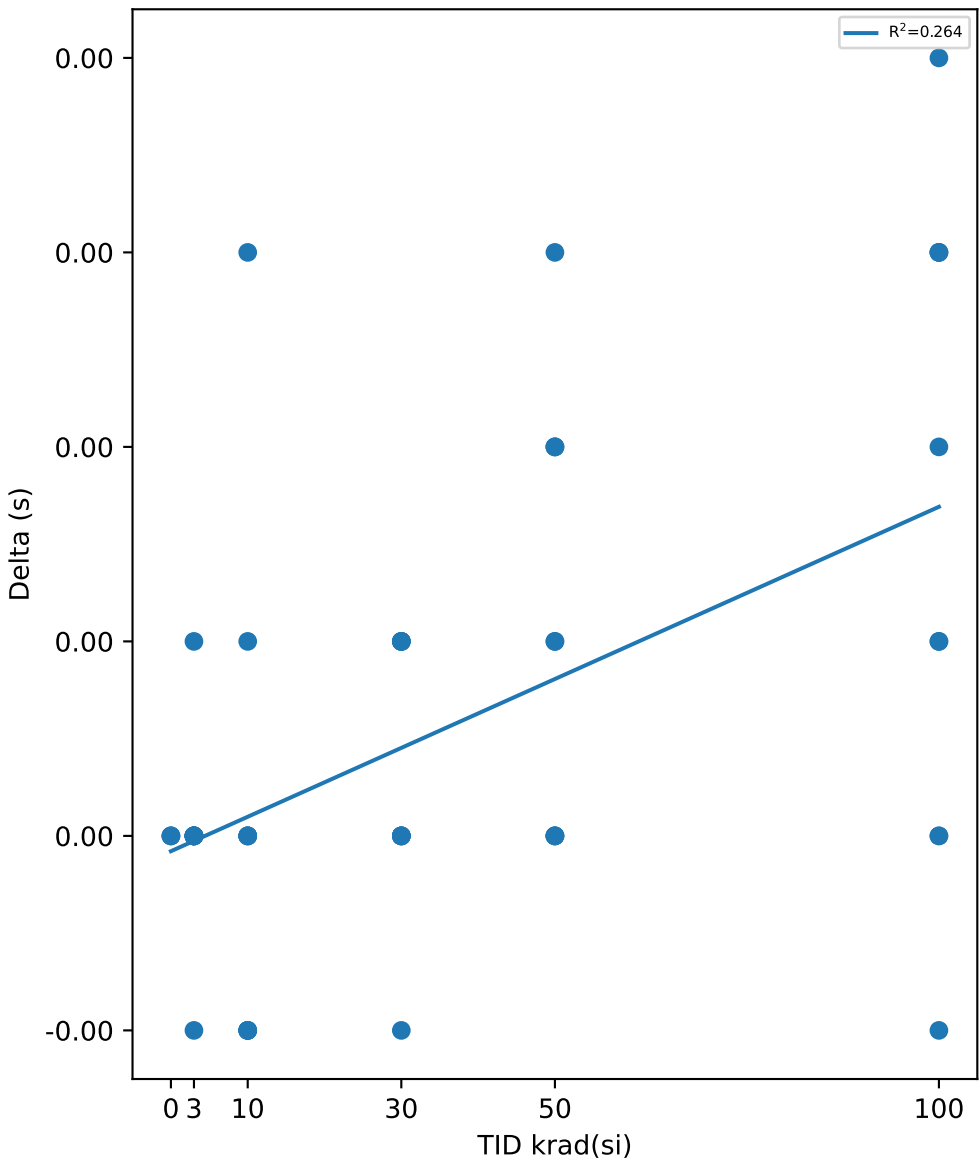
TID vs Result Stats



Test Results (Lower Limit = 0.43, Upper Limit = 0.57 (s))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.529      | 0.529       | 0      |
| 301      | 0        | Correlation         | 0.52       | 0.52        | 0      |
| 302      | 0        | Correlation         | 0.523      | 0.523       | 0      |
| 303      | 3        | Bias                | 0.526      | 0.527       | 0.001  |
| 304      | 3        | Bias                | 0.519      | 0.519       | 0      |
| 305      | 3        | Bias                | 0.516      | 0.515       | -0.001 |
| 306      | 3        | Bias                | 0.521      | 0.521       | 0      |
| 307      | 3        | Bias                | 0.519      | 0.519       | 0      |
| 308      | 3        | Unbiased            | 0.523      | 0.523       | 0      |
| 309      | 3        | Unbiased            | 0.519      | 0.519       | 0      |
| 310      | 3        | Unbiased            | 0.52       | 0.52        | 0      |
| 311      | 3        | Unbiased            | 0.521      | 0.521       | 0      |
| 312      | 3        | Unbiased            | 0.521      | 0.521       | 0      |
| 313      | 10       | Bias                | 0.515      | 0.516       | 0.001  |
| 314      | 10       | Bias                | 0.522      | 0.521       | -0.001 |
| 315      | 10       | Bias                | 0.523      | 0.523       | 0      |
| 316      | 10       | Bias                | 0.519      | 0.519       | 0      |
| 317      | 10       | Bias                | 0.518      | 0.518       | 0      |
| 318      | 10       | Unbiased            | 0.522      | 0.521       | -0.001 |
| 319      | 10       | Unbiased            | 0.521      | 0.521       | 0      |
| 320      | 10       | Unbiased            | 0.518      | 0.521       | 0.003  |
| 321      | 10       | Unbiased            | 0.52       | 0.519       | -0.001 |
| 322      | 10       | Unbiased            | 0.526      | 0.525       | -0.001 |
| 323      | 30       | Bias                | 0.516      | 0.515       | -0.001 |
| 324      | 30       | Bias                | 0.513      | 0.514       | 0.001  |
| 325      | 30       | Bias                | 0.527      | 0.527       | 0      |
| 326      | 30       | Bias                | 0.519      | 0.52        | 0.001  |
| 327      | 30       | Bias                | 0.517      | 0.517       | 0      |
| 328      | 30       | Unbiased            | 0.523      | 0.524       | 0.001  |
| 329      | 30       | Unbiased            | 0.52       | 0.52        | 0      |
| 330      | 30       | Unbiased            | 0.523      | 0.523       | 0      |
| 331      | 30       | Unbiased            | 0.522      | 0.523       | 0.001  |
| 332      | 30       | Unbiased            | 0.523      | 0.523       | 0      |
| 333      | 50       | Bias                | 0.52       | 0.52        | 0      |
| 334      | 50       | Bias                | 0.519      | 0.519       | 0      |
| 335      | 50       | Bias                | 0.527      | 0.528       | 0.001  |
| 336      | 50       | Bias                | 0.517      | 0.517       | 0      |
| 337      | 50       | Bias                | 0.518      | 0.52        | 0.002  |
| 338      | 50       | Unbiased            | 0.519      | 0.52        | 0.001  |
| 339      | 50       | Unbiased            | 0.518      | 0.52        | 0.002  |
| 340      | 50       | Unbiased            | 0.521      | 0.523       | 0.002  |
| 341      | 50       | Unbiased            | 0.517      | 0.52        | 0.003  |
| 342      | 50       | Unbiased            | 0.526      | 0.526       | 0      |
| 343      | 100      | Bias                | 0.521      | 0.52        | -0.001 |
| 344      | 100      | Bias                | 0.512      | 0.512       | 0      |
| 345      | 100      | Bias                | 0.517      | 0.518       | 0.001  |
| 346      | 100      | Bias                | 0.518      | 0.522       | 0.004  |
| 347      | 100      | Bias                | 0.528      | 0.531       | 0.003  |
| 348      | 100      | Unbiased            | 0.514      | 0.516       | 0.002  |
| 349      | 100      | Unbiased            | 0.518      | 0.518       | 0      |
| 350      | 100      | Unbiased            | 0.524      | 0.527       | 0.003  |
| 351      | 100      | Unbiased            | 0.519      | 0.522       | 0.003  |
| 352      | 100      | Unbiased            | 0.524      | 0.525       | 0.001  |

TID vs Post - Pre Exposure Delta

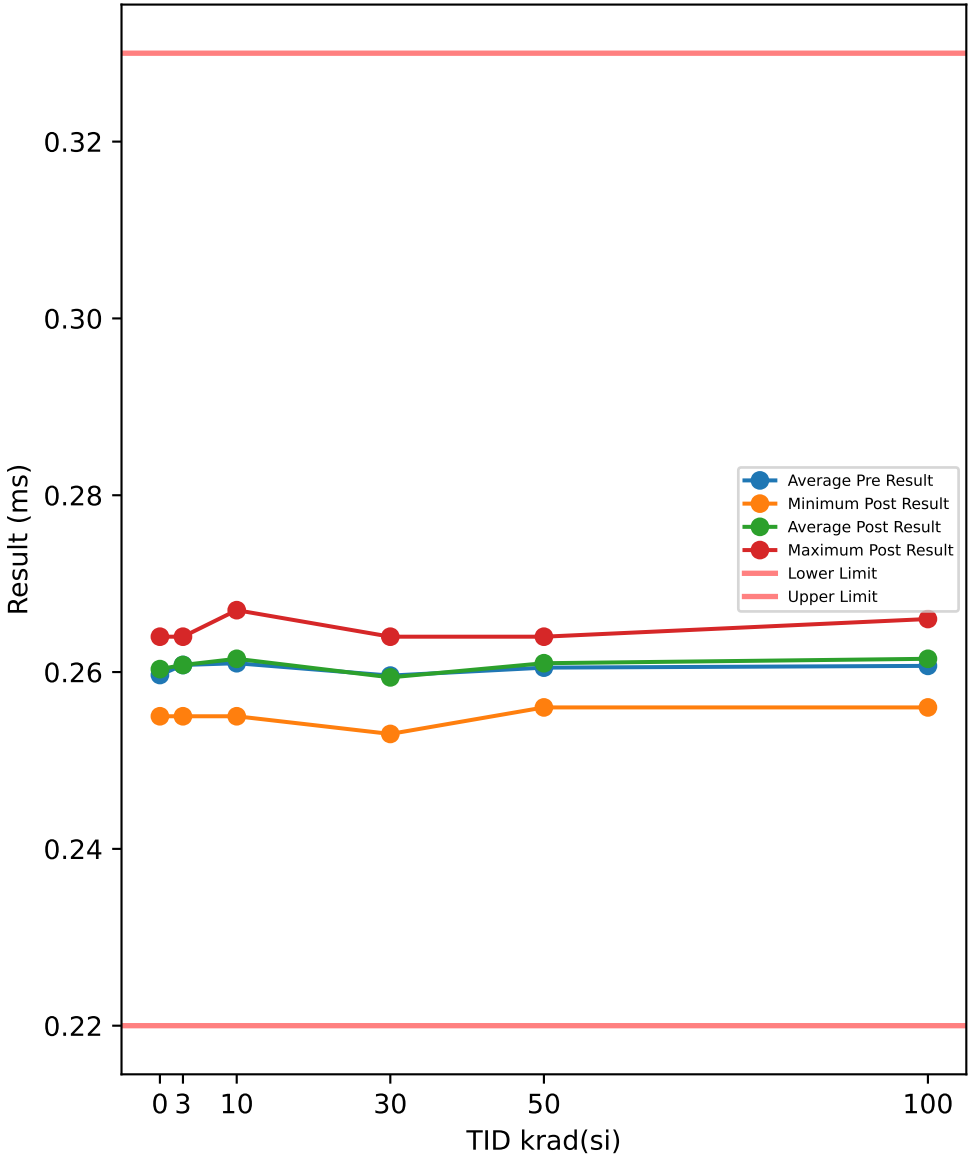


Test Statistics (s)

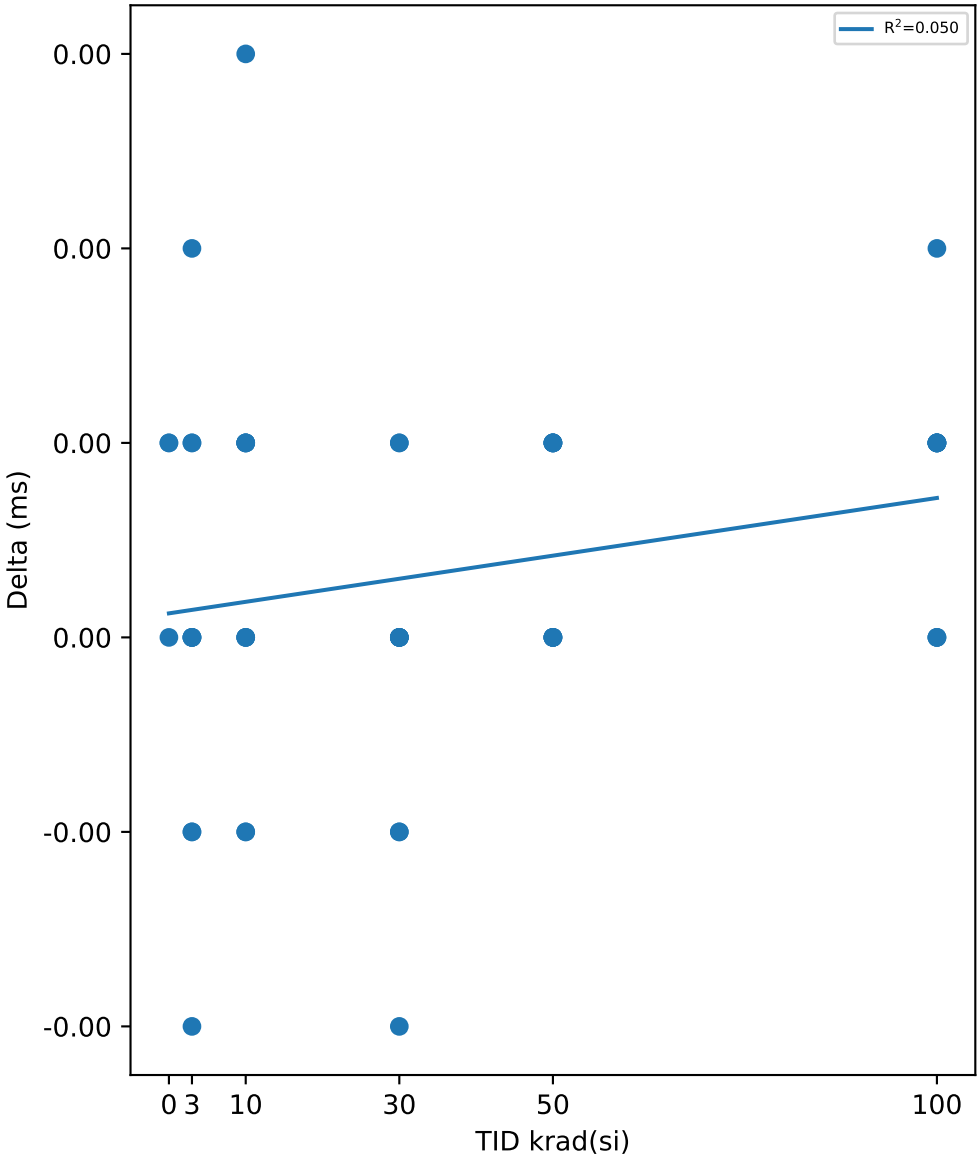
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| 0        | 0.52             | 0.524            | 0.529            | 0.0045826        | 0.52              | 0.524             | 0.529             | 0.0045826         | 0         | 0         | 0         | 0          |
| 3        | 0.516            | 0.5205           | 0.526            | 0.0026771        | 0.515             | 0.5205            | 0.527             | 0.0031002         | -0.001    | 0         | 0.001     | 0.0004714  |
| 10       | 0.515            | 0.5204           | 0.526            | 0.0030984        | 0.516             | 0.5204            | 0.525             | 0.0025473         | -0.001    | 0         | 0.003     | 0.0012472  |
| 30       | 0.513            | 0.5203           | 0.527            | 0.0041379        | 0.514             | 0.5206            | 0.527             | 0.0041952         | -0.001    | 0.0003    | 0.001     | 0.00067495 |
| 50       | 0.517            | 0.5202           | 0.527            | 0.0035528        | 0.517             | 0.5213            | 0.528             | 0.0033682         | 0         | 0.0011    | 0.003     | 0.0011005  |
| 100      | 0.512            | 0.5195           | 0.528            | 0.0048591        | 0.512             | 0.5211            | 0.531             | 0.0055668         | -0.001    | 0.0016    | 0.004     | 0.0016465  |



TID vs Result Stats



TID vs Post - Pre Exposure Delta



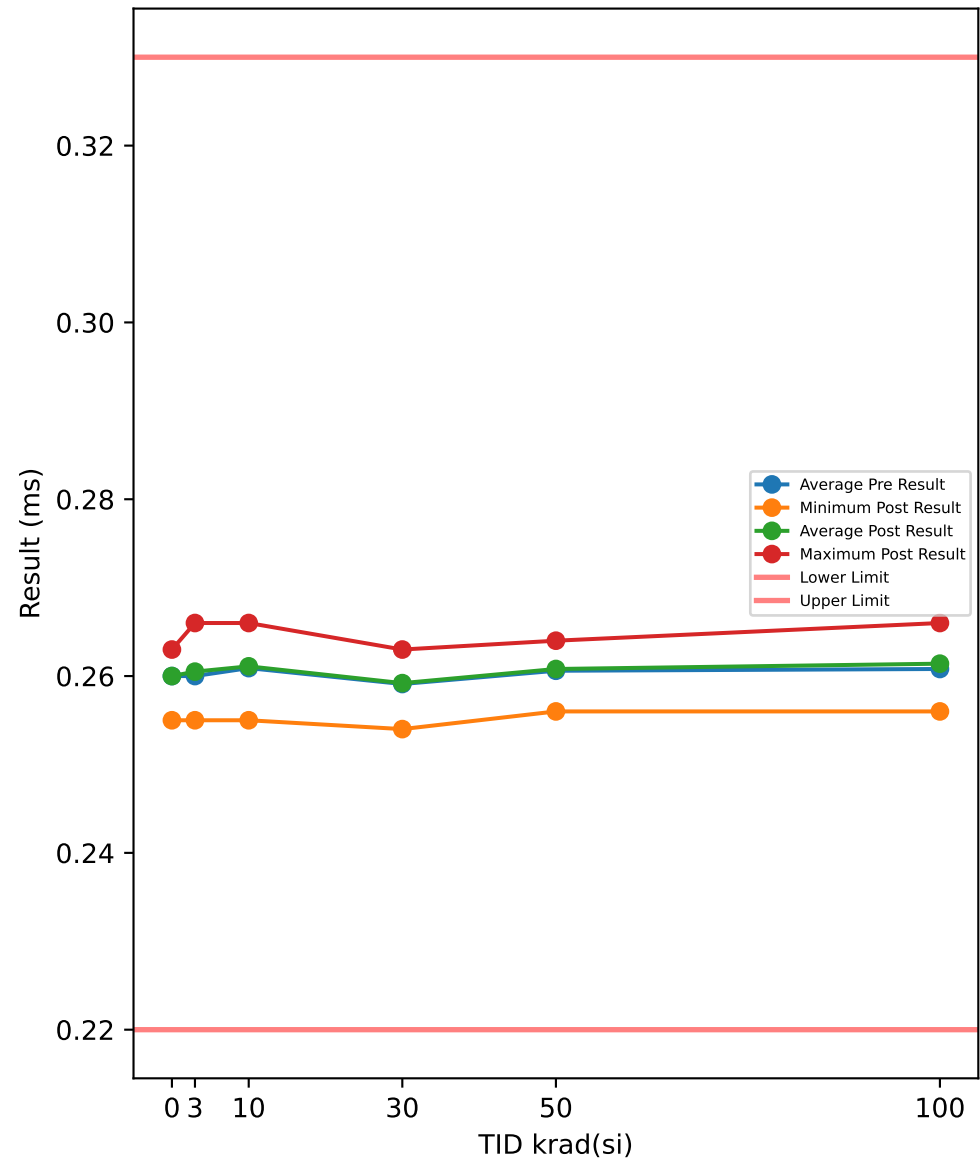
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.264      | 0.264       | 0      |
| 301      | 0        | Correlation         | 0.261      | 0.262       | 0.001  |
| 302      | 0        | Correlation         | 0.254      | 0.255       | 0.001  |
| 303      | 3        | Bias                | 0.257      | 0.257       | 0      |
| 304      | 3        | Bias                | 0.256      | 0.255       | -0.001 |
| 305      | 3        | Bias                | 0.264      | 0.264       | 0      |
| 306      | 3        | Bias                | 0.263      | 0.264       | 0.001  |
| 307      | 3        | Bias                | 0.264      | 0.264       | 0      |
| 308      | 3        | Unbiased            | 0.261      | 0.263       | 0.002  |
| 309      | 3        | Unbiased            | 0.266      | 0.264       | -0.002 |
| 310      | 3        | Unbiased            | 0.265      | 0.264       | -0.001 |
| 311      | 3        | Unbiased            | 0.257      | 0.257       | 0      |
| 312      | 3        | Unbiased            | 0.255      | 0.256       | 0.001  |
| 313      | 10       | Bias                | 0.256      | 0.255       | -0.001 |
| 314      | 10       | Bias                | 0.255      | 0.256       | 0.001  |
| 315      | 10       | Bias                | 0.255      | 0.256       | 0.001  |
| 316      | 10       | Bias                | 0.262      | 0.263       | 0.001  |
| 317      | 10       | Bias                | 0.265      | 0.265       | 0      |
| 318      | 10       | Unbiased            | 0.267      | 0.267       | 0      |
| 319      | 10       | Unbiased            | 0.257      | 0.257       | 0      |
| 320      | 10       | Unbiased            | 0.265      | 0.264       | -0.001 |
| 321      | 10       | Unbiased            | 0.263      | 0.266       | 0.003  |
| 322      | 10       | Unbiased            | 0.265      | 0.266       | 0.001  |
| 323      | 30       | Bias                | 0.256      | 0.257       | 0.001  |
| 324      | 30       | Bias                | 0.256      | 0.256       | 0      |
| 325      | 30       | Bias                | 0.264      | 0.264       | 0      |
| 326      | 30       | Bias                | 0.262      | 0.261       | -0.001 |
| 327      | 30       | Bias                | 0.255      | 0.253       | -0.002 |
| 328      | 30       | Unbiased            | 0.263      | 0.263       | 0      |
| 329      | 30       | Unbiased            | 0.258      | 0.257       | -0.001 |
| 330      | 30       | Unbiased            | 0.254      | 0.255       | 0.001  |
| 331      | 30       | Unbiased            | 0.264      | 0.264       | 0      |
| 332      | 30       | Unbiased            | 0.264      | 0.264       | 0      |
| 333      | 50       | Bias                | 0.261      | 0.262       | 0.001  |
| 334      | 50       | Bias                | 0.263      | 0.263       | 0      |
| 335      | 50       | Bias                | 0.256      | 0.257       | 0.001  |
| 336      | 50       | Bias                | 0.263      | 0.264       | 0.001  |
| 337      | 50       | Bias                | 0.256      | 0.256       | 0      |
| 338      | 50       | Unbiased            | 0.261      | 0.262       | 0.001  |
| 339      | 50       | Unbiased            | 0.26       | 0.26        | 0      |
| 340      | 50       | Unbiased            | 0.264      | 0.264       | 0      |
| 341      | 50       | Unbiased            | 0.264      | 0.264       | 0      |
| 342      | 50       | Unbiased            | 0.257      | 0.258       | 0.001  |
| 343      | 100      | Bias                | 0.263      | 0.265       | 0.002  |
| 344      | 100      | Bias                | 0.263      | 0.263       | 0      |
| 345      | 100      | Bias                | 0.257      | 0.258       | 0.001  |
| 346      | 100      | Bias                | 0.257      | 0.257       | 0      |
| 347      | 100      | Bias                | 0.256      | 0.257       | 0.001  |
| 348      | 100      | Unbiased            | 0.265      | 0.266       | 0.001  |
| 349      | 100      | Unbiased            | 0.255      | 0.256       | 0.001  |
| 350      | 100      | Unbiased            | 0.265      | 0.266       | 0.001  |
| 351      | 100      | Unbiased            | 0.264      | 0.264       | 0      |
| 352      | 100      | Unbiased            | 0.262      | 0.263       | 0.001  |

Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|------------|
| 0        | 0.254            | 0.25967          | 0.264            | 0.0051316        | 0.255             | 0.26033           | 0.264             | 0.0047258         | 0         | 0.00066667 | 0.001     | 0.00057735 |
| 3        | 0.255            | 0.2608           | 0.266            | 0.004158         | 0.255             | 0.2608            | 0.264             | 0.0039665         | -0.002    | 0          | 0.002     | 0.0011547  |
| 10       | 0.255            | 0.261            | 0.267            | 0.0047376        | 0.255             | 0.2615            | 0.267             | 0.0048819         | -0.001    | 0.0005     | 0.003     | 0.0011785  |
| 30       | 0.254            | 0.2596           | 0.264            | 0.0041687        | 0.253             | 0.2594            | 0.264             | 0.0042479         | -0.002    | -0.0002    | 0.001     | 0.00091894 |
| 50       | 0.256            | 0.2605           | 0.264            | 0.003171         | 0.256             | 0.261             | 0.264             | 0.0030551         | 0         | 0.0005     | 0.001     | 0.00052705 |
| 100      | 0.255            | 0.2607           | 0.265            | 0.0039735        | 0.256             | 0.2615            | 0.266             | 0.0040346         | 0         | 0.0008     | 0.002     | 0.00063246 |

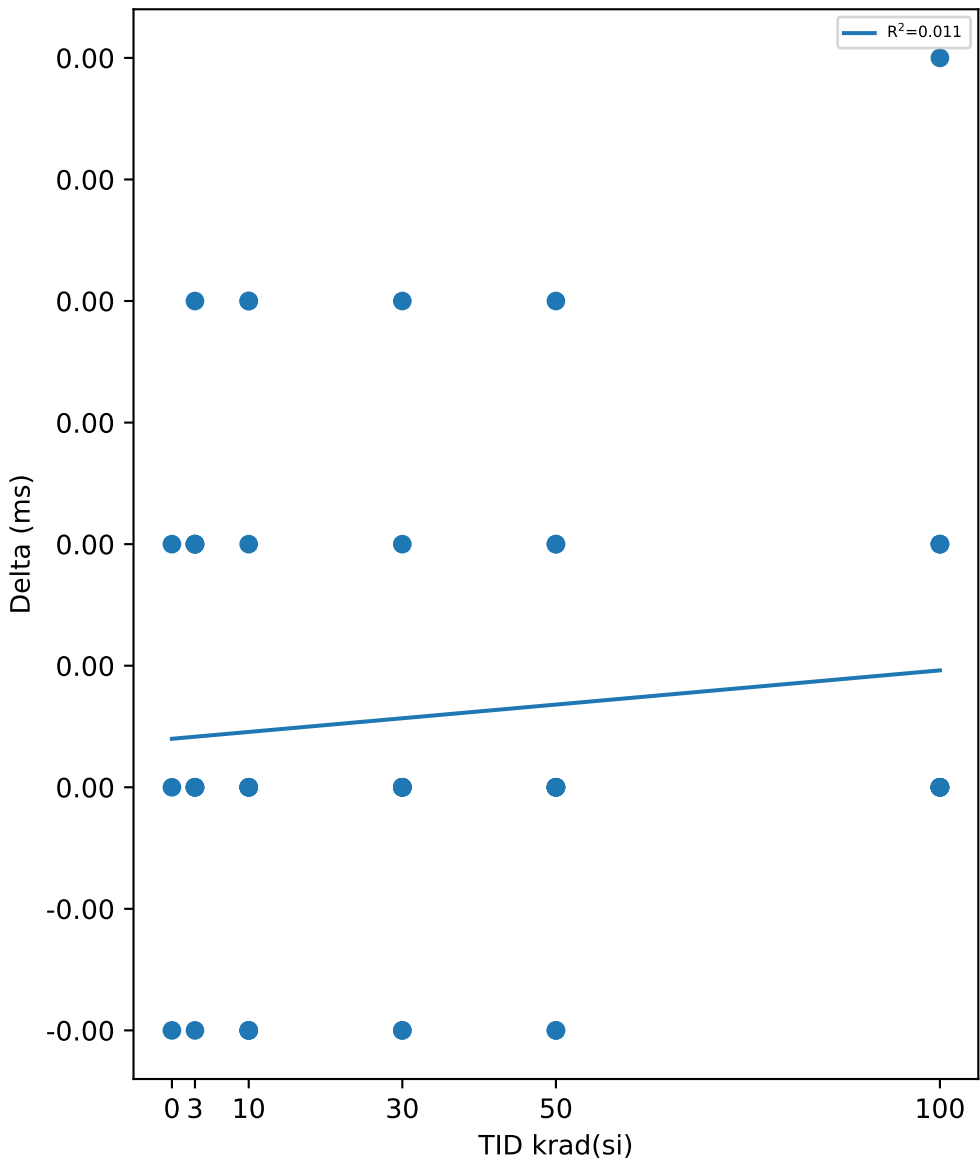
TID vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.264      | 0.263       | -0.001 |
| 301      | 0        | Correlation         | 0.261      | 0.262       | 0.001  |
| 302      | 0        | Correlation         | 0.255      | 0.255       | 0      |
| 303      | 3        | Bias                | 0.256      | 0.256       | 0      |
| 304      | 3        | Bias                | 0.254      | 0.255       | 0.001  |
| 305      | 3        | Bias                | 0.263      | 0.264       | 0.001  |
| 306      | 3        | Bias                | 0.263      | 0.262       | -0.001 |
| 307      | 3        | Bias                | 0.263      | 0.263       | 0      |
| 308      | 3        | Unbiased            | 0.262      | 0.262       | 0      |
| 309      | 3        | Unbiased            | 0.265      | 0.266       | 0.001  |
| 310      | 3        | Unbiased            | 0.263      | 0.265       | 0.002  |
| 311      | 3        | Unbiased            | 0.256      | 0.256       | 0      |
| 312      | 3        | Unbiased            | 0.255      | 0.256       | 0.001  |
| 313      | 10       | Bias                | 0.257      | 0.256       | -0.001 |
| 314      | 10       | Bias                | 0.256      | 0.255       | -0.001 |
| 315      | 10       | Bias                | 0.255      | 0.257       | 0.002  |
| 316      | 10       | Bias                | 0.263      | 0.263       | 0      |
| 317      | 10       | Bias                | 0.265      | 0.265       | 0      |
| 318      | 10       | Unbiased            | 0.265      | 0.265       | 0      |
| 319      | 10       | Unbiased            | 0.255      | 0.255       | 0      |
| 320      | 10       | Unbiased            | 0.265      | 0.264       | -0.001 |
| 321      | 10       | Unbiased            | 0.263      | 0.265       | 0.002  |
| 322      | 10       | Unbiased            | 0.265      | 0.266       | 0.001  |
| 323      | 30       | Bias                | 0.256      | 0.256       | 0      |
| 324      | 30       | Bias                | 0.255      | 0.256       | 0.001  |
| 325      | 30       | Bias                | 0.263      | 0.263       | 0      |
| 326      | 30       | Bias                | 0.261      | 0.263       | 0.002  |
| 327      | 30       | Bias                | 0.254      | 0.254       | 0      |
| 328      | 30       | Unbiased            | 0.264      | 0.263       | -0.001 |
| 329      | 30       | Unbiased            | 0.258      | 0.257       | -0.001 |
| 330      | 30       | Unbiased            | 0.254      | 0.254       | 0      |
| 331      | 30       | Unbiased            | 0.263      | 0.263       | 0      |
| 332      | 30       | Unbiased            | 0.263      | 0.263       | 0      |
| 333      | 50       | Bias                | 0.262      | 0.261       | -0.001 |
| 334      | 50       | Bias                | 0.263      | 0.263       | 0      |
| 335      | 50       | Bias                | 0.255      | 0.257       | 0.002  |
| 336      | 50       | Bias                | 0.264      | 0.264       | 0      |
| 337      | 50       | Bias                | 0.256      | 0.256       | 0      |
| 338      | 50       | Unbiased            | 0.262      | 0.261       | -0.001 |
| 339      | 50       | Unbiased            | 0.26       | 0.26        | 0      |
| 340      | 50       | Unbiased            | 0.263      | 0.264       | 0.001  |
| 341      | 50       | Unbiased            | 0.263      | 0.263       | 0      |
| 342      | 50       | Unbiased            | 0.258      | 0.259       | 0.001  |
| 343      | 100      | Bias                | 0.264      | 0.264       | 0      |
| 344      | 100      | Bias                | 0.261      | 0.262       | 0.001  |
| 345      | 100      | Bias                | 0.257      | 0.258       | 0.001  |
| 346      | 100      | Bias                | 0.257      | 0.257       | 0      |
| 347      | 100      | Bias                | 0.256      | 0.257       | 0.001  |
| 348      | 100      | Unbiased            | 0.266      | 0.266       | 0      |
| 349      | 100      | Unbiased            | 0.256      | 0.256       | 0      |
| 350      | 100      | Unbiased            | 0.266      | 0.266       | 0      |
| 351      | 100      | Unbiased            | 0.262      | 0.265       | 0.003  |
| 352      | 100      | Unbiased            | 0.263      | 0.263       | 0      |

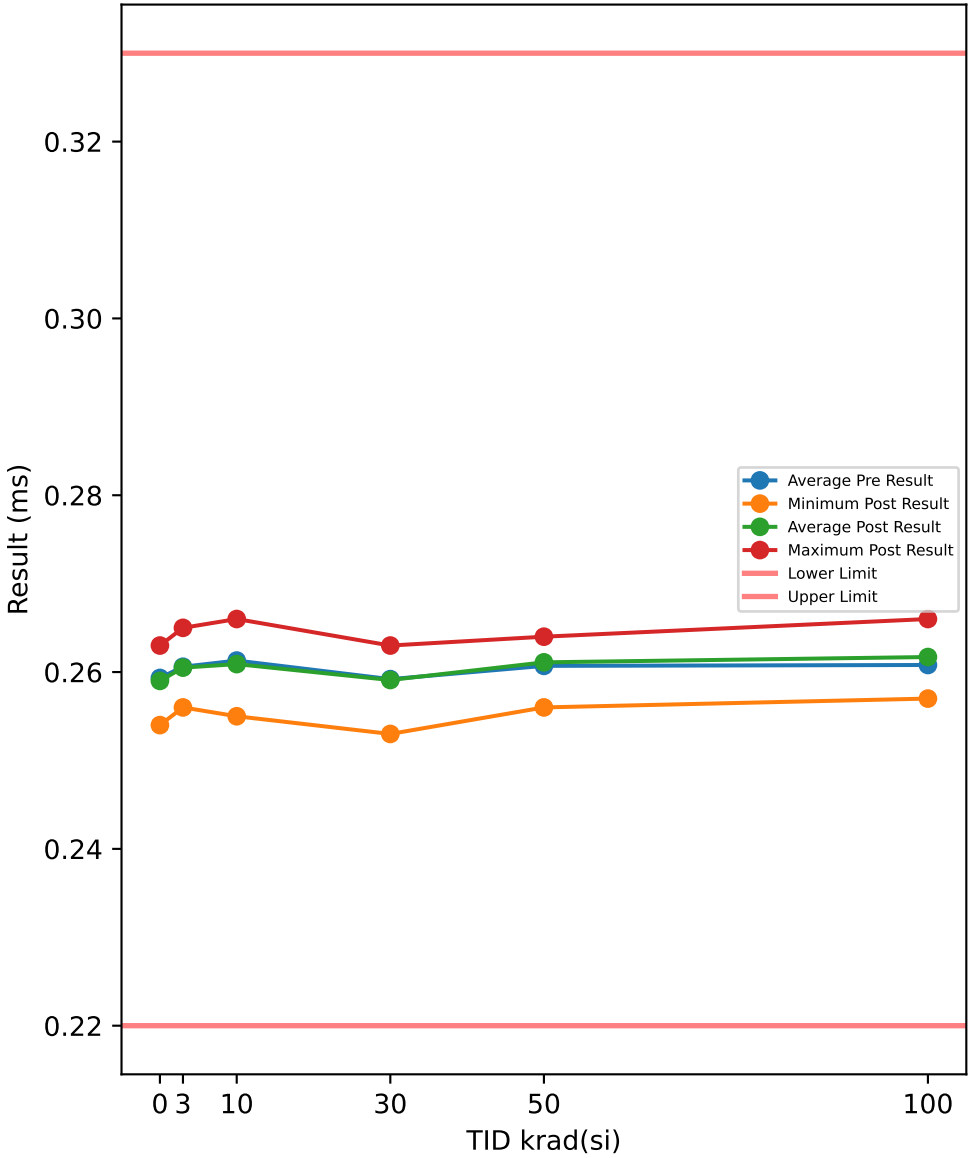
TID vs Post - Pre Exposure Delta



Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| 0        | 0.255            | 0.26             | 0.264            | 0.0045826        | 0.255             | 0.26              | 0.263             | 0.0043589         | -0.001    | 0         | 0.001     | 0.001      |
| 3        | 0.254            | 0.26             | 0.265            | 0.0041899        | 0.255             | 0.2605            | 0.266             | 0.0042753         | -0.001    | 0.0005    | 0.002     | 0.00084984 |
| 10       | 0.255            | 0.2609           | 0.265            | 0.0045326        | 0.255             | 0.2611            | 0.266             | 0.0047011         | -0.001    | 0.0002    | 0.002     | 0.0011353  |
| 30       | 0.254            | 0.2591           | 0.264            | 0.0041218        | 0.254             | 0.2592            | 0.263             | 0.0041042         | -0.001    | 0.0001    | 0.002     | 0.0008756  |
| 50       | 0.255            | 0.2606           | 0.264            | 0.0032042        | 0.256             | 0.2608            | 0.264             | 0.0028206         | -0.001    | 0.0002    | 0.002     | 0.00091894 |
| 100      | 0.256            | 0.2608           | 0.266            | 0.0040222        | 0.256             | 0.2614            | 0.266             | 0.0040056         | 0         | 0.0006    | 0.003     | 0.00096609 |

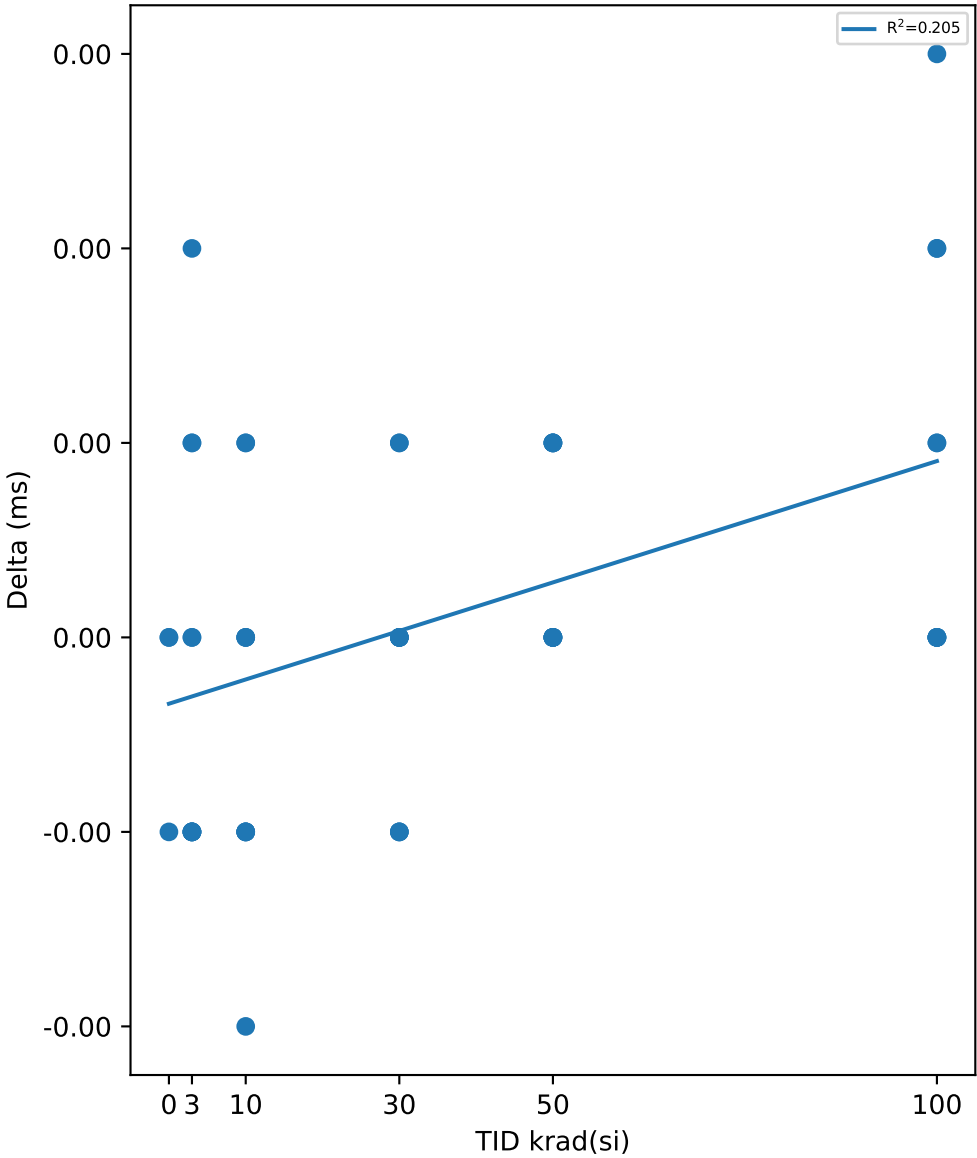
TID vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.263      | 0.263       | 0      |
| 301      | 0        | Correlation         | 0.261      | 0.26        | -0.001 |
| 302      | 0        | Correlation         | 0.254      | 0.254       | 0      |
| 303      | 3        | Bias                | 0.256      | 0.256       | 0      |
| 304      | 3        | Bias                | 0.254      | 0.256       | 0.002  |
| 305      | 3        | Bias                | 0.264      | 0.263       | -0.001 |
| 306      | 3        | Bias                | 0.263      | 0.263       | 0      |
| 307      | 3        | Bias                | 0.264      | 0.263       | -0.001 |
| 308      | 3        | Unbiased            | 0.262      | 0.261       | -0.001 |
| 309      | 3        | Unbiased            | 0.266      | 0.265       | -0.001 |
| 310      | 3        | Unbiased            | 0.264      | 0.265       | 0.001  |
| 311      | 3        | Unbiased            | 0.256      | 0.257       | 0.001  |
| 312      | 3        | Unbiased            | 0.257      | 0.256       | -0.001 |
| 313      | 10       | Bias                | 0.255      | 0.256       | 0.001  |
| 314      | 10       | Bias                | 0.256      | 0.255       | -0.001 |
| 315      | 10       | Bias                | 0.256      | 0.256       | 0      |
| 316      | 10       | Bias                | 0.263      | 0.263       | 0      |
| 317      | 10       | Bias                | 0.265      | 0.263       | -0.002 |
| 318      | 10       | Unbiased            | 0.266      | 0.265       | -0.001 |
| 319      | 10       | Unbiased            | 0.257      | 0.256       | -0.001 |
| 320      | 10       | Unbiased            | 0.265      | 0.264       | -0.001 |
| 321      | 10       | Unbiased            | 0.264      | 0.265       | 0.001  |
| 322      | 10       | Unbiased            | 0.266      | 0.266       | 0      |
| 323      | 30       | Bias                | 0.257      | 0.257       | 0      |
| 324      | 30       | Bias                | 0.256      | 0.255       | -0.001 |
| 325      | 30       | Bias                | 0.263      | 0.263       | 0      |
| 326      | 30       | Bias                | 0.261      | 0.262       | 0.001  |
| 327      | 30       | Bias                | 0.254      | 0.253       | -0.001 |
| 328      | 30       | Unbiased            | 0.263      | 0.263       | 0      |
| 329      | 30       | Unbiased            | 0.257      | 0.258       | 0.001  |
| 330      | 30       | Unbiased            | 0.255      | 0.254       | -0.001 |
| 331      | 30       | Unbiased            | 0.263      | 0.263       | 0      |
| 332      | 30       | Unbiased            | 0.263      | 0.263       | 0      |
| 333      | 50       | Bias                | 0.262      | 0.262       | 0      |
| 334      | 50       | Bias                | 0.264      | 0.264       | 0      |
| 335      | 50       | Bias                | 0.256      | 0.256       | 0      |
| 336      | 50       | Bias                | 0.263      | 0.264       | 0.001  |
| 337      | 50       | Bias                | 0.255      | 0.256       | 0.001  |
| 338      | 50       | Unbiased            | 0.261      | 0.262       | 0.001  |
| 339      | 50       | Unbiased            | 0.261      | 0.261       | 0      |
| 340      | 50       | Unbiased            | 0.264      | 0.264       | 0      |
| 341      | 50       | Unbiased            | 0.264      | 0.264       | 0      |
| 342      | 50       | Unbiased            | 0.257      | 0.258       | 0.001  |
| 343      | 100      | Bias                | 0.263      | 0.265       | 0.002  |
| 344      | 100      | Bias                | 0.261      | 0.263       | 0.002  |
| 345      | 100      | Bias                | 0.256      | 0.259       | 0.003  |
| 346      | 100      | Bias                | 0.257      | 0.257       | 0      |
| 347      | 100      | Bias                | 0.257      | 0.257       | 0      |
| 348      | 100      | Unbiased            | 0.265      | 0.265       | 0      |
| 349      | 100      | Unbiased            | 0.256      | 0.257       | 0.001  |
| 350      | 100      | Unbiased            | 0.266      | 0.266       | 0      |
| 351      | 100      | Unbiased            | 0.264      | 0.264       | 0      |
| 352      | 100      | Unbiased            | 0.263      | 0.264       | 0.001  |

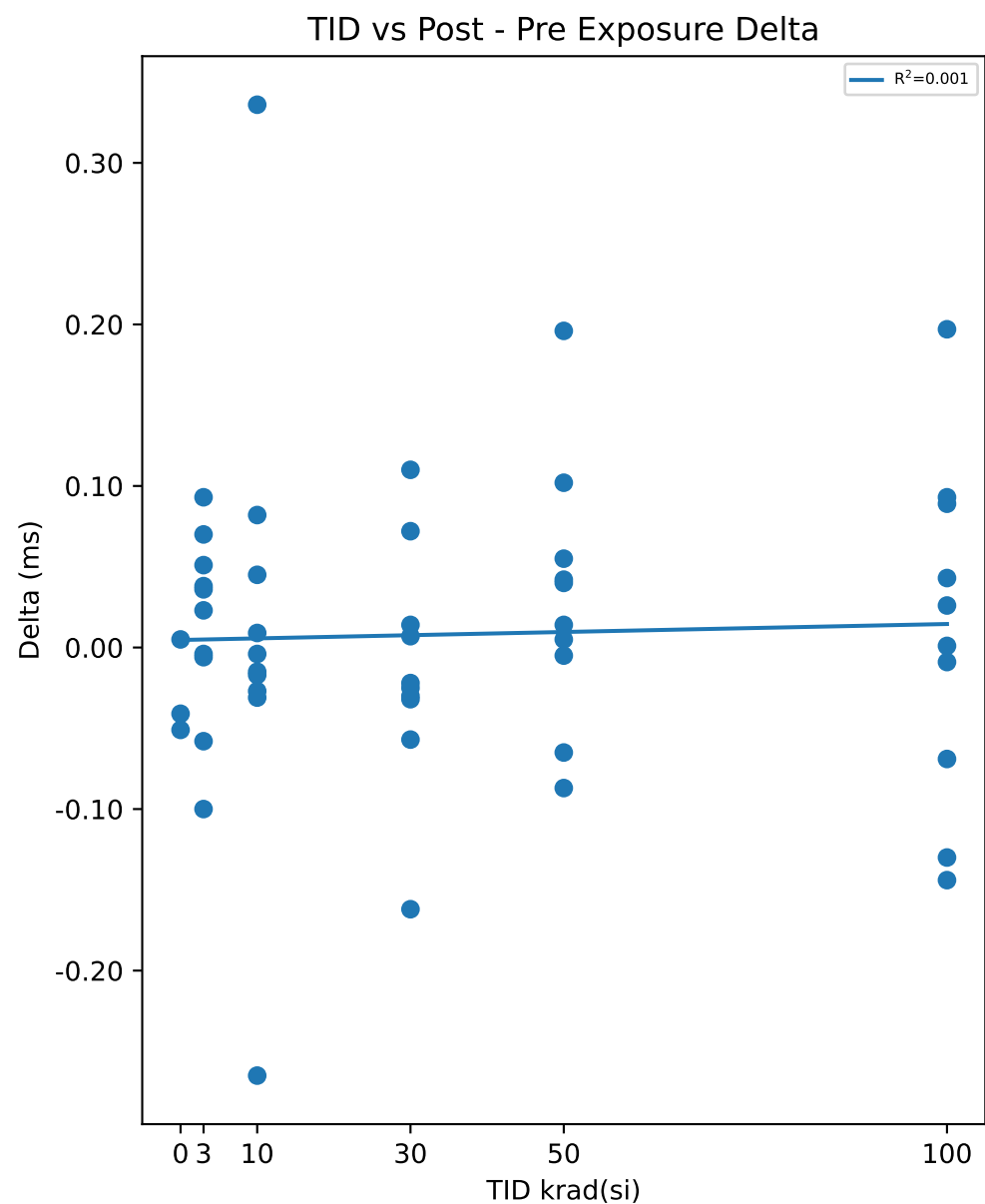
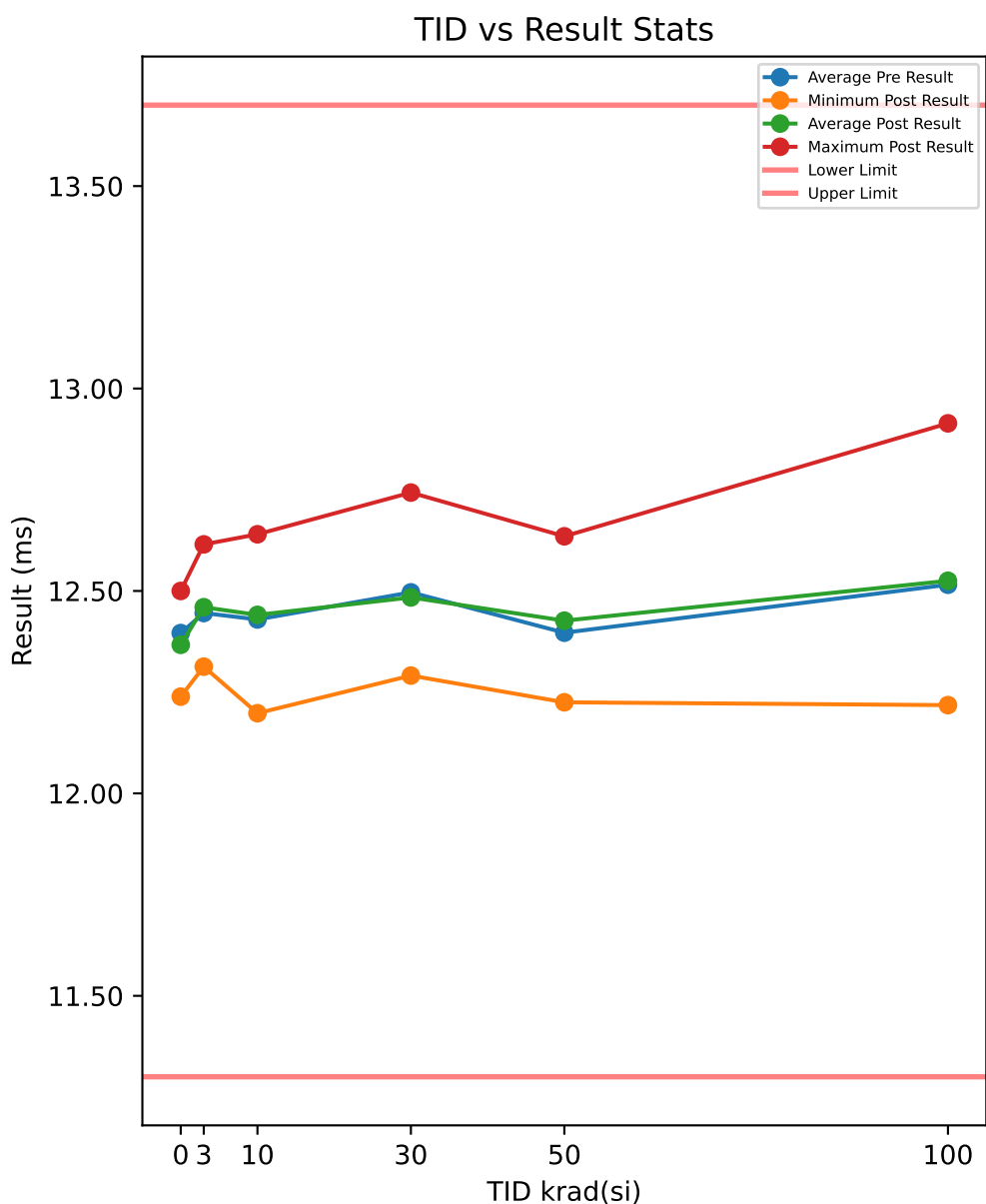
TID vs Post - Pre Exposure Delta



Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|------------|
| 0        | 0.254            | 0.25933          | 0.263            | 0.0047258        | 0.254             | 0.259             | 0.263             | 0.0045826         | -0.001    | -0.00033333 | 0         | 0.00057735 |
| 3        | 0.254            | 0.2606           | 0.266            | 0.0043512        | 0.256             | 0.2605            | 0.265             | 0.003837          | -0.001    | -0.0001     | 0.002     | 0.0011005  |
| 10       | 0.255            | 0.2613           | 0.266            | 0.0046679        | 0.255             | 0.2609            | 0.266             | 0.0045326         | -0.002    | -0.0004     | 0.001     | 0.00096609 |
| 30       | 0.254            | 0.2592           | 0.263            | 0.0037357        | 0.253             | 0.2591            | 0.263             | 0.0041486         | -0.001    | -0.0001     | 0.001     | 0.00073786 |
| 50       | 0.255            | 0.2607           | 0.264            | 0.0034657        | 0.256             | 0.2611            | 0.264             | 0.0032813         | 0         | 0.0004      | 0.001     | 0.0005164  |
| 100      | 0.256            | 0.2608           | 0.266            | 0.0039384        | 0.257             | 0.2617            | 0.266             | 0.0037431         | 0         | 0.0009      | 0.003     | 0.0011005  |

Device Test: 5.44 ; DLY\_TMR\_500KOHM

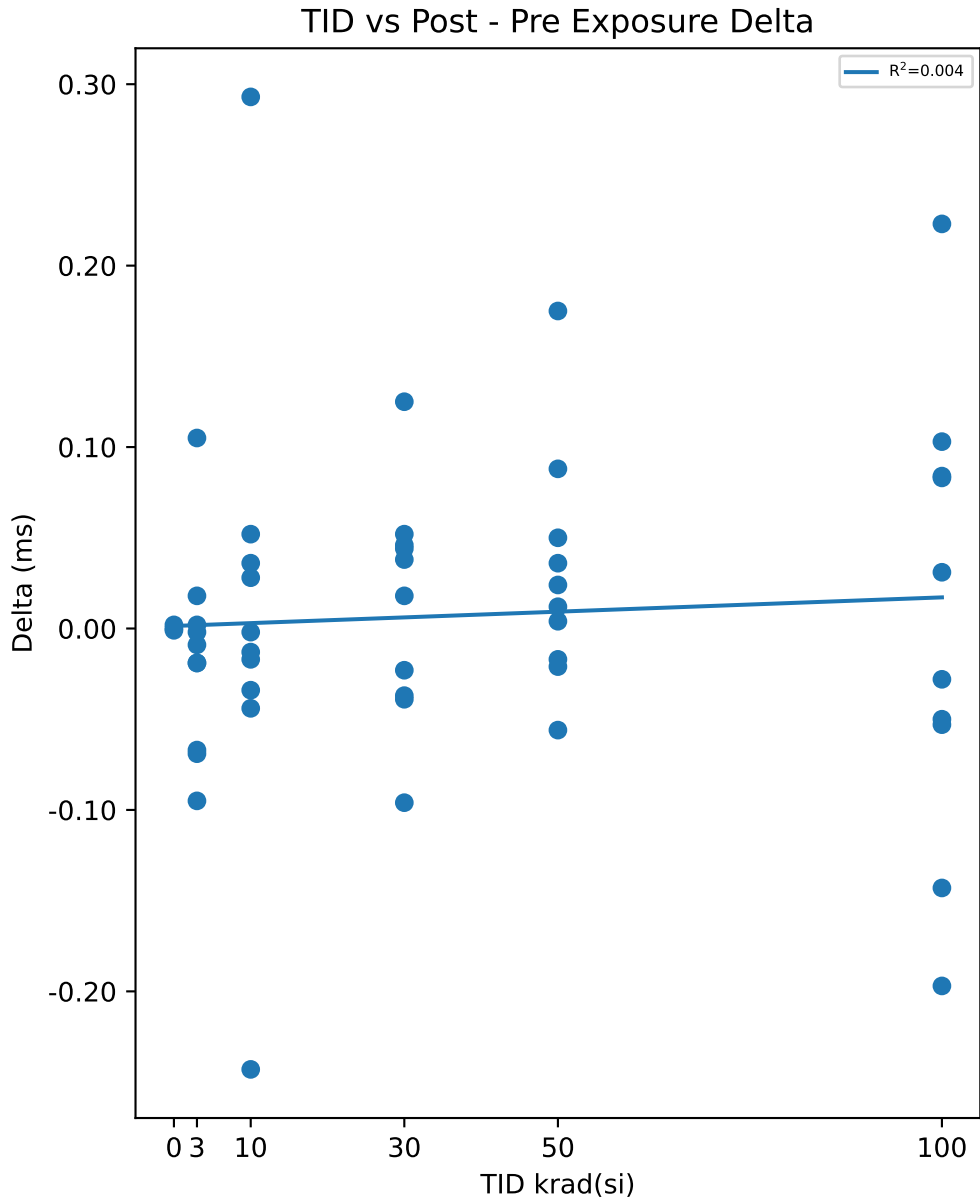
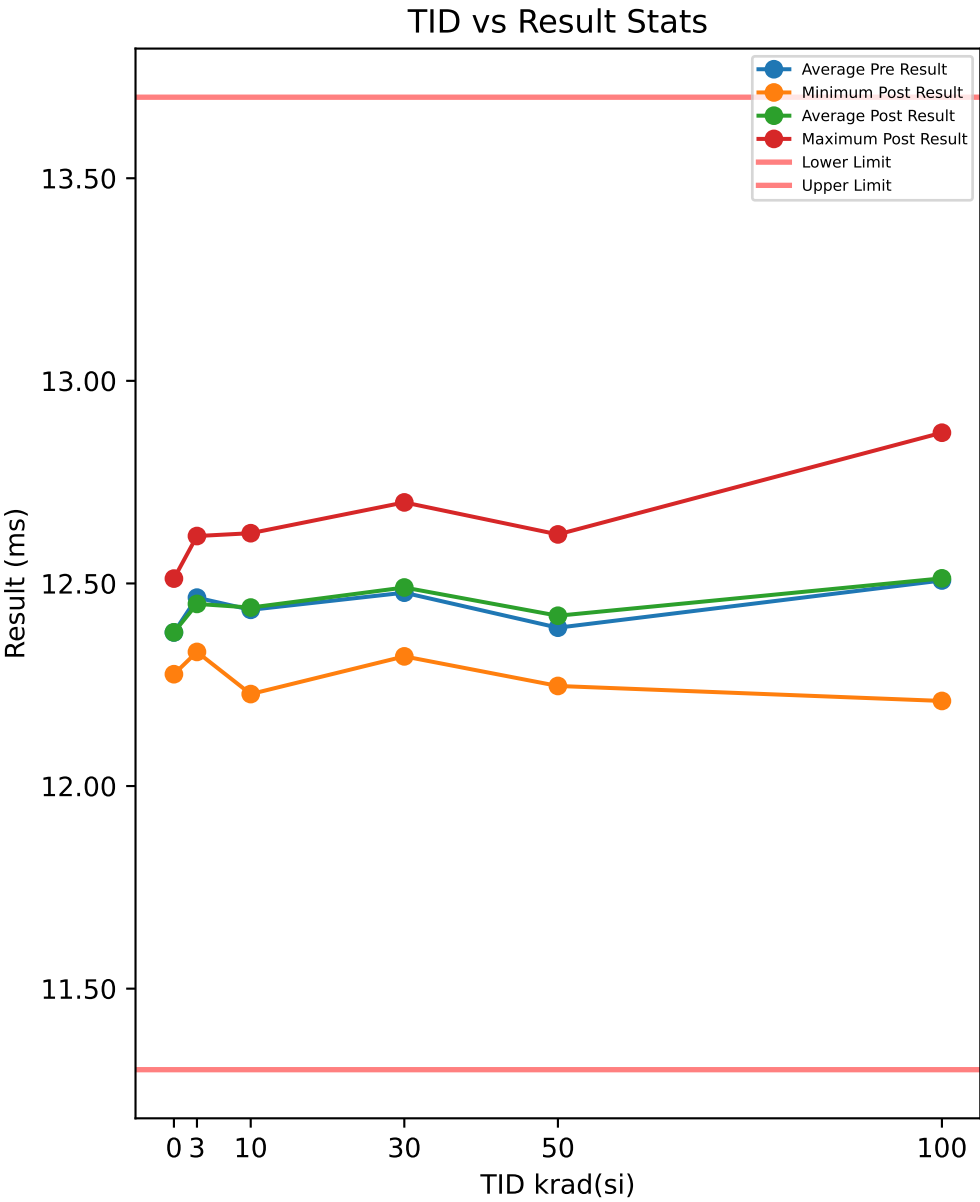


Test Results (Lower Limit = 11.3,  
Upper Limit = 13.7 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 12.541     | 12.5        | -0.041 |
| 301      | 0        | Correlation         | 12.413     | 12.362      | -0.051 |
| 302      | 0        | Correlation         | 12.234     | 12.239      | 0.005  |
| 303      | 3        | Bias                | 12.347     | 12.385      | 0.038  |
| 304      | 3        | Bias                | 12.344     | 12.437      | 0.093  |
| 305      | 3        | Bias                | 12.575     | 12.569      | -0.006 |
| 306      | 3        | Bias                | 12.558     | 12.581      | 0.023  |
| 307      | 3        | Bias                | 12.413     | 12.313      | -0.1   |
| 308      | 3        | Unbiased            | 12.275     | 12.345      | 0.07   |
| 309      | 3        | Unbiased            | 12.673     | 12.615      | -0.058 |
| 310      | 3        | Unbiased            | 12.548     | 12.584      | 0.036  |
| 311      | 3        | Unbiased            | 12.357     | 12.408      | 0.051  |
| 312      | 3        | Unbiased            | 12.365     | 12.361      | -0.004 |
| 313      | 10       | Bias                | 12.269     | 12.265      | -0.004 |
| 314      | 10       | Bias                | 12.364     | 12.349      | -0.015 |
| 315      | 10       | Bias                | 12.26      | 12.229      | -0.031 |
| 316      | 10       | Bias                | 12.471     | 12.553      | 0.082  |
| 317      | 10       | Bias                | 12.628     | 12.611      | -0.017 |
| 318      | 10       | Unbiased            | 12.56      | 12.569      | 0.009  |
| 319      | 10       | Unbiased            | 12.225     | 12.198      | -0.027 |
| 320      | 10       | Unbiased            | 12.637     | 12.372      | -0.265 |
| 321      | 10       | Unbiased            | 12.304     | 12.64       | 0.336  |
| 322      | 10       | Unbiased            | 12.578     | 12.623      | 0.045  |
| 323      | 30       | Bias                | 12.42      | 12.363      | -0.057 |
| 324      | 30       | Bias                | 12.347     | 12.325      | -0.022 |
| 325      | 30       | Bias                | 12.511     | 12.525      | 0.014  |
| 326      | 30       | Bias                | 12.489     | 12.599      | 0.11   |
| 327      | 30       | Bias                | 12.284     | 12.291      | 0.007  |
| 328      | 30       | Unbiased            | 12.507     | 12.477      | -0.03  |
| 329      | 30       | Unbiased            | 12.759     | 12.734      | -0.025 |
| 330      | 30       | Unbiased            | 12.583     | 12.421      | -0.162 |
| 331      | 30       | Unbiased            | 12.394     | 12.362      | -0.032 |
| 332      | 30       | Unbiased            | 12.671     | 12.743      | 0.072  |
| 333      | 50       | Bias                | 12.332     | 12.374      | 0.042  |
| 334      | 50       | Bias                | 12.612     | 12.607      | -0.005 |
| 335      | 50       | Bias                | 12.393     | 12.328      | -0.065 |
| 336      | 50       | Bias                | 12.439     | 12.635      | 0.196  |
| 337      | 50       | Bias                | 12.312     | 12.225      | -0.087 |
| 338      | 50       | Unbiased            | 12.211     | 12.313      | 0.102  |
| 339      | 50       | Unbiased            | 12.321     | 12.361      | 0.04   |
| 340      | 50       | Unbiased            | 12.414     | 12.428      | 0.014  |
| 341      | 50       | Unbiased            | 12.511     | 12.566      | 0.055  |
| 342      | 50       | Unbiased            | 12.424     | 12.429      | 0.005  |
| 343      | 100      | Bias                | 12.479     | 12.572      | 0.093  |
| 344      | 100      | Bias                | 12.362     | 12.363      | 0.001  |
| 345      | 100      | Bias                | 12.663     | 12.594      | -0.069 |
| 346      | 100      | Bias                | 12.362     | 12.218      | -0.144 |
| 347      | 100      | Bias                | 12.271     | 12.297      | 0.026  |
| 348      | 100      | Unbiased            | 12.717     | 12.914      | 0.197  |
| 349      | 100      | Unbiased            | 12.611     | 12.481      | -0.13  |
| 350      | 100      | Unbiased            | 12.608     | 12.599      | -0.009 |
| 351      | 100      | Unbiased            | 12.715     | 12.804      | 0.089  |
| 352      | 100      | Unbiased            | 12.366     | 12.409      | 0.043  |

Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.234           | 12.396           | 12.541           | 0.1542           | 12.239            | 12.367            | 12.5              | 0.13057           | -0.051    | -0.029    | 0.005     | 0.029866  |
| 3        | 12.275           | 12.445           | 12.673           | 0.13171          | 12.313            | 12.46             | 12.615            | 0.11519           | -0.1      | 0.0143    | 0.093     | 0.05849   |
| 10       | 12.225           | 12.43            | 12.637           | 0.16317          | 12.198            | 12.441            | 12.64             | 0.17599           | -0.265    | 0.0113    | 0.336     | 0.1464    |
| 30       | 12.284           | 12.497           | 12.759           | 0.14571          | 12.291            | 12.484            | 12.743            | 0.16349           | -0.162    | -0.0125   | 0.11      | 0.073403  |
| 50       | 12.211           | 12.397           | 12.612           | 0.11247          | 12.225            | 12.427            | 12.635            | 0.13571           | -0.087    | 0.0297    | 0.196     | 0.080573  |
| 100      | 12.271           | 12.515           | 12.717           | 0.16681          | 12.218            | 12.525            | 12.914            | 0.21845           | -0.144    | 0.0097    | 0.197     | 0.10511   |



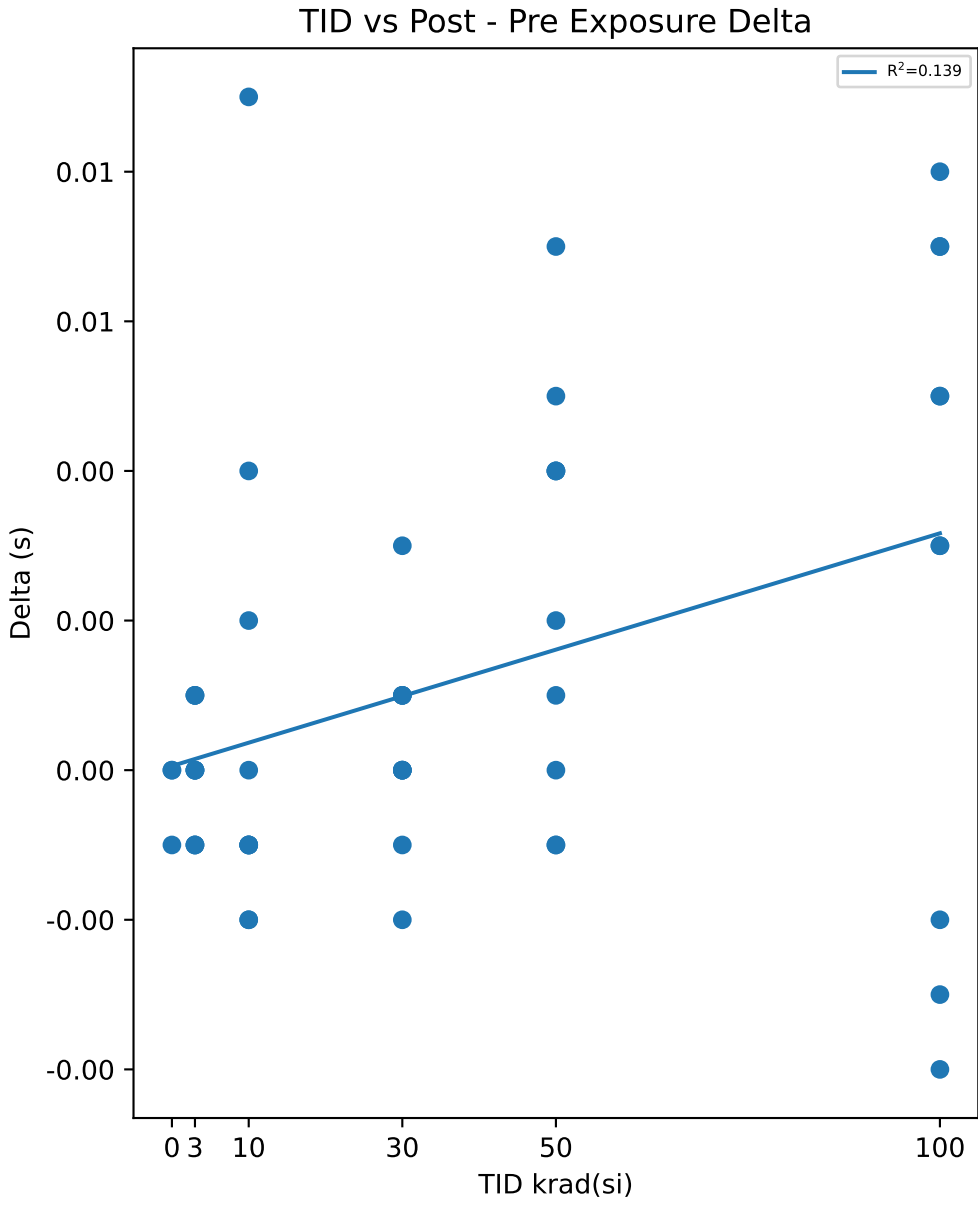
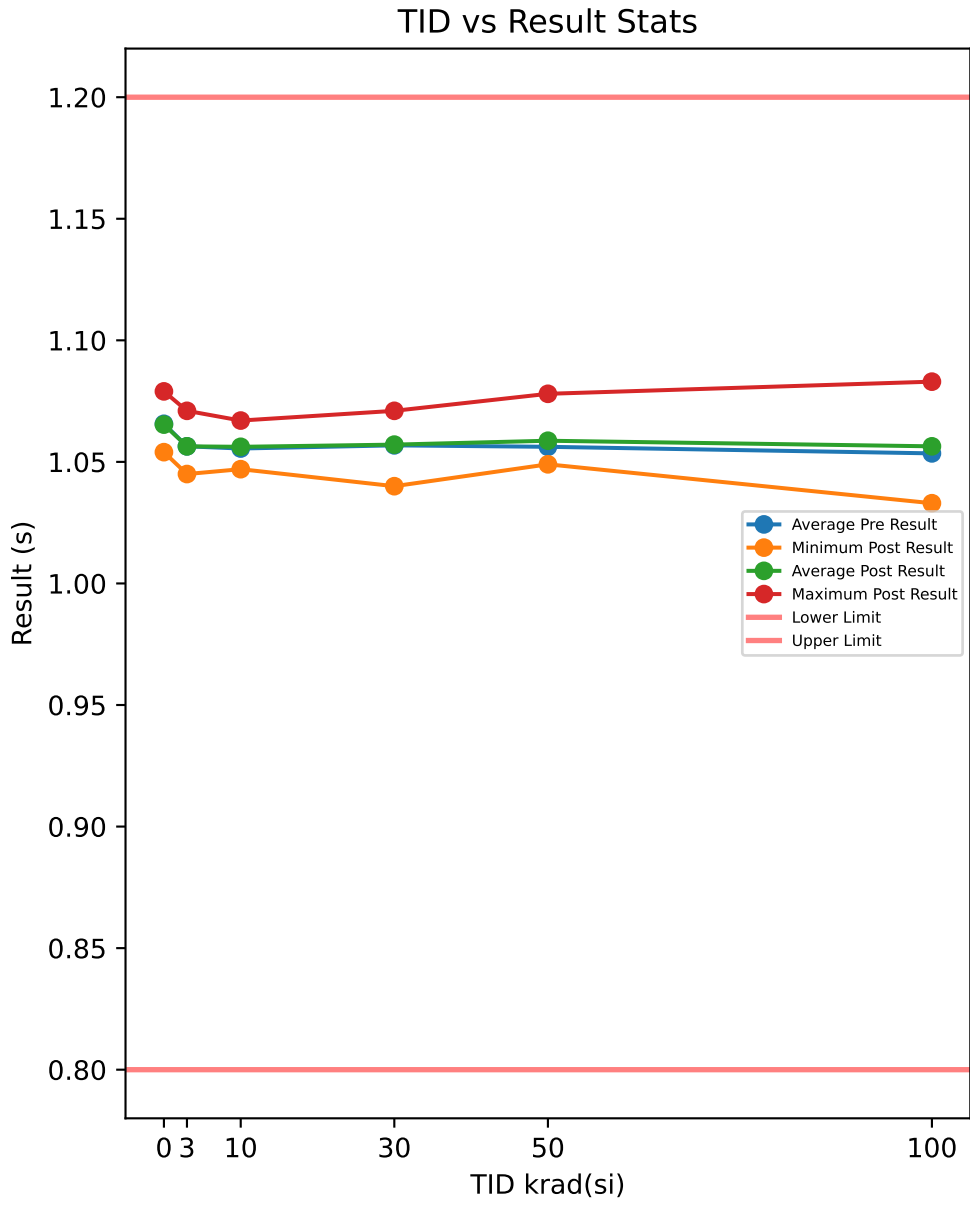
| Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms)) |          |                     |            |             |        |
|------------------------------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                                   | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                                        | 0        | Correlation         | 12.513     | 12.512      | -0.001 |
| 301                                                        | 0        | Correlation         | 12.35      | 12.35       | 0      |
| 302                                                        | 0        | Correlation         | 12.274     | 12.276      | 0.002  |
| 303                                                        | 3        | Bias                | 12.388     | 12.379      | -0.009 |
| 304                                                        | 3        | Bias                | 12.31      | 12.415      | 0.105  |
| 305                                                        | 3        | Bias                | 12.561     | 12.559      | -0.002 |
| 306                                                        | 3        | Bias                | 12.608     | 12.541      | -0.067 |
| 307                                                        | 3        | Bias                | 12.419     | 12.4        | -0.019 |
| 308                                                        | 3        | Unbiased            | 12.314     | 12.332      | 0.018  |
| 309                                                        | 3        | Unbiased            | 12.636     | 12.617      | -0.019 |
| 310                                                        | 3        | Unbiased            | 12.563     | 12.565      | 0.002  |
| 311                                                        | 3        | Unbiased            | 12.4       | 12.331      | -0.069 |
| 312                                                        | 3        | Unbiased            | 12.451     | 12.356      | -0.095 |
| 313                                                        | 10       | Bias                | 12.289     | 12.255      | -0.034 |
| 314                                                        | 10       | Bias                | 12.35      | 12.402      | 0.052  |
| 315                                                        | 10       | Bias                | 12.244     | 12.227      | -0.017 |
| 316                                                        | 10       | Bias                | 12.521     | 12.477      | -0.044 |
| 317                                                        | 10       | Bias                | 12.588     | 12.586      | -0.002 |
| 318                                                        | 10       | Unbiased            | 12.588     | 12.624      | 0.036  |
| 319                                                        | 10       | Unbiased            | 12.256     | 12.243      | -0.013 |
| 320                                                        | 10       | Unbiased            | 12.613     | 12.37       | -0.243 |
| 321                                                        | 10       | Unbiased            | 12.324     | 12.617      | 0.293  |
| 322                                                        | 10       | Unbiased            | 12.576     | 12.604      | 0.028  |
| 323                                                        | 30       | Bias                | 12.402     | 12.44       | 0.038  |
| 324                                                        | 30       | Bias                | 12.351     | 12.395      | 0.044  |
| 325                                                        | 30       | Bias                | 12.521     | 12.539      | 0.018  |
| 326                                                        | 30       | Bias                | 12.452     | 12.577      | 0.125  |
| 327                                                        | 30       | Bias                | 12.274     | 12.32       | 0.046  |
| 328                                                        | 30       | Unbiased            | 12.507     | 12.47       | -0.037 |
| 329                                                        | 30       | Unbiased            | 12.717     | 12.694      | -0.023 |
| 330                                                        | 30       | Unbiased            | 12.499     | 12.403      | -0.096 |
| 331                                                        | 30       | Unbiased            | 12.401     | 12.362      | -0.039 |
| 332                                                        | 30       | Unbiased            | 12.648     | 12.7        | 0.052  |
| 333                                                        | 50       | Bias                | 12.327     | 12.306      | -0.021 |
| 334                                                        | 50       | Bias                | 12.595     | 12.607      | 0.012  |
| 335                                                        | 50       | Bias                | 12.41      | 12.393      | -0.017 |
| 336                                                        | 50       | Bias                | 12.446     | 12.621      | 0.175  |
| 337                                                        | 50       | Bias                | 12.303     | 12.247      | -0.056 |
| 338                                                        | 50       | Unbiased            | 12.215     | 12.303      | 0.088  |
| 339                                                        | 50       | Unbiased            | 12.294     | 12.298      | 0.004  |
| 340                                                        | 50       | Unbiased            | 12.43      | 12.454      | 0.024  |
| 341                                                        | 50       | Unbiased            | 12.52      | 12.57       | 0.05   |
| 342                                                        | 50       | Unbiased            | 12.368     | 12.404      | 0.036  |
| 343                                                        | 100      | Bias                | 12.523     | 12.554      | 0.031  |
| 344                                                        | 100      | Bias                | 12.296     | 12.379      | 0.083  |
| 345                                                        | 100      | Bias                | 12.636     | 12.586      | -0.05  |
| 346                                                        | 100      | Bias                | 12.407     | 12.21       | -0.197 |
| 347                                                        | 100      | Bias                | 12.232     | 12.335      | 0.103  |
| 348                                                        | 100      | Unbiased            | 12.649     | 12.872      | 0.223  |
| 349                                                        | 100      | Unbiased            | 12.614     | 12.471      | -0.143 |
| 350                                                        | 100      | Unbiased            | 12.609     | 12.581      | -0.028 |
| 351                                                        | 100      | Unbiased            | 12.667     | 12.751      | 0.084  |
| 352                                                        | 100      | Unbiased            | 12.44      | 12.387      | -0.053 |

Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 12.274           | 12.379           | 12.513           | 0.12211          | 12.276            | 12.379            | 12.512            | 0.1207            | -0.001    | 0.00033333 | 0.002     | 0.0015275 |
| 3        | 12.31            | 12.465           | 12.636           | 0.11916          | 12.331            | 12.45             | 12.617            | 0.10902           | -0.095    | -0.0155    | 0.105     | 0.05581   |
| 10       | 12.244           | 12.435           | 12.613           | 0.15462          | 12.227            | 12.441            | 12.624            | 0.16313           | -0.243    | 0.0056     | 0.293     | 0.13035   |
| 30       | 12.274           | 12.477           | 12.717           | 0.13303          | 12.32             | 12.49             | 12.7              | 0.13353           | -0.096    | 0.0128     | 0.125     | 0.062491  |
| 50       | 12.215           | 12.391           | 12.595           | 0.11349          | 12.247            | 12.42             | 12.621            | 0.13805           | -0.056    | 0.0295     | 0.175     | 0.065034  |
| 100      | 12.232           | 12.507           | 12.667           | 0.15604          | 12.21             | 12.513            | 12.872            | 0.19895           | -0.197    | 0.0053     | 0.223     | 0.12486   |



## Device Test: 5.46 ; WD\_TMR\_500KOHM



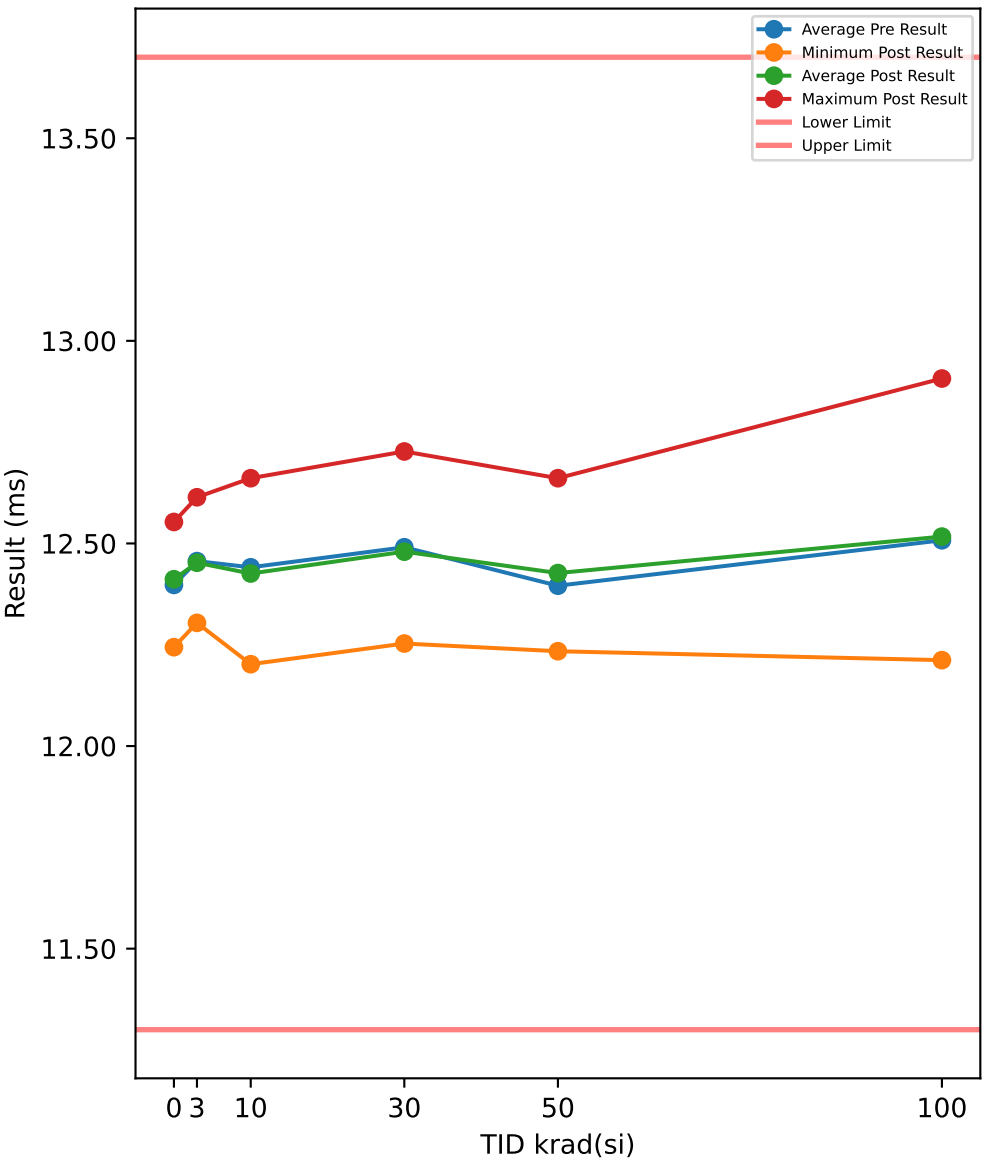
Test Results (Lower Limit = 0.8,  
Upper Limit = 1.2 (s))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 1.08       | 1.079       | -0.001 |
| 301      | 0        | Correlation         | 1.054      | 1.054       | 0      |
| 302      | 0        | Correlation         | 1.063      | 1.063       | 0      |
| 303      | 3        | Bias                | 1.07       | 1.071       | 0.001  |
| 304      | 3        | Bias                | 1.051      | 1.051       | 0      |
| 305      | 3        | Bias                | 1.046      | 1.045       | -0.001 |
| 306      | 3        | Bias                | 1.056      | 1.056       | 0      |
| 307      | 3        | Bias                | 1.054      | 1.054       | 0      |
| 308      | 3        | Unbiased            | 1.062      | 1.061       | -0.001 |
| 309      | 3        | Unbiased            | 1.05       | 1.051       | 0.001  |
| 310      | 3        | Unbiased            | 1.054      | 1.054       | 0      |
| 311      | 3        | Unbiased            | 1.059      | 1.058       | -0.001 |
| 312      | 3        | Unbiased            | 1.062      | 1.063       | 0.001  |
| 313      | 10       | Bias                | 1.043      | 1.047       | 0.004  |
| 314      | 10       | Bias                | 1.057      | 1.055       | -0.002 |
| 315      | 10       | Bias                | 1.061      | 1.061       | 0      |
| 316      | 10       | Bias                | 1.052      | 1.051       | -0.001 |
| 317      | 10       | Bias                | 1.052      | 1.051       | -0.001 |
| 318      | 10       | Unbiased            | 1.062      | 1.061       | -0.001 |
| 319      | 10       | Unbiased            | 1.058      | 1.06        | 0.002  |
| 320      | 10       | Unbiased            | 1.048      | 1.057       | 0.009  |
| 321      | 10       | Unbiased            | 1.054      | 1.052       | -0.002 |
| 322      | 10       | Unbiased            | 1.068      | 1.067       | -0.001 |
| 323      | 30       | Bias                | 1.044      | 1.042       | -0.002 |
| 324      | 30       | Bias                | 1.04       | 1.04        | 0      |
| 325      | 30       | Bias                | 1.072      | 1.071       | -0.001 |
| 326      | 30       | Bias                | 1.055      | 1.055       | 0      |
| 327      | 30       | Bias                | 1.048      | 1.049       | 0.001  |
| 328      | 30       | Unbiased            | 1.065      | 1.068       | 0.003  |
| 329      | 30       | Unbiased            | 1.053      | 1.053       | 0      |
| 330      | 30       | Unbiased            | 1.065      | 1.066       | 0.001  |
| 331      | 30       | Unbiased            | 1.06       | 1.061       | 0.001  |
| 332      | 30       | Unbiased            | 1.066      | 1.066       | 0      |
| 333      | 50       | Bias                | 1.06       | 1.061       | 0.001  |
| 334      | 50       | Bias                | 1.051      | 1.05        | -0.001 |
| 335      | 50       | Bias                | 1.076      | 1.078       | 0.002  |
| 336      | 50       | Bias                | 1.05       | 1.049       | -0.001 |
| 337      | 50       | Bias                | 1.049      | 1.053       | 0.004  |
| 338      | 50       | Unbiased            | 1.052      | 1.056       | 0.004  |
| 339      | 50       | Unbiased            | 1.048      | 1.052       | 0.004  |
| 340      | 50       | Unbiased            | 1.058      | 1.063       | 0.005  |
| 341      | 50       | Unbiased            | 1.047      | 1.054       | 0.007  |
| 342      | 50       | Unbiased            | 1.071      | 1.071       | 0      |
| 343      | 100      | Bias                | 1.058      | 1.054       | -0.004 |
| 344      | 100      | Bias                | 1.036      | 1.033       | -0.003 |
| 345      | 100      | Bias                | 1.046      | 1.049       | 0.003  |
| 346      | 100      | Bias                | 1.05       | 1.058       | 0.008  |
| 347      | 100      | Bias                | 1.076      | 1.083       | 0.007  |
| 348      | 100      | Unbiased            | 1.04       | 1.043       | 0.003  |
| 349      | 100      | Unbiased            | 1.049      | 1.047       | -0.002 |
| 350      | 100      | Unbiased            | 1.065      | 1.07        | 0.005  |
| 351      | 100      | Unbiased            | 1.052      | 1.059       | 0.007  |
| 352      | 100      | Unbiased            | 1.063      | 1.068       | 0.005  |

Test Statistics (s)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|------------|
| 0        | 1.054            | 1.0657           | 1.08             | 0.013204         | 1.054             | 1.0653            | 1.079             | 0.012662          | -0.001    | -0.00033333 | 0         | 0.00057735 |
| 3        | 1.046            | 1.0564           | 1.07             | 0.0070269        | 1.045             | 1.0564            | 1.071             | 0.007306          | -0.001    | -4.4409e-17 | 0.001     | 0.0008165  |
| 10       | 1.043            | 1.0555           | 1.068            | 0.0072763        | 1.047             | 1.0562            | 1.067             | 0.0061065         | -0.002    | 0.0007      | 0.009     | 0.0034657  |
| 30       | 1.04             | 1.0568           | 1.072            | 0.010549         | 1.04              | 1.0571            | 1.071             | 0.011102          | -0.002    | 0.0003      | 0.003     | 0.0013375  |
| 50       | 1.047            | 1.0562           | 1.076            | 0.010086         | 1.049             | 1.0587            | 1.078             | 0.009569          | -0.001    | 0.0025      | 0.007     | 0.0027183  |
| 100      | 1.036            | 1.0535           | 1.076            | 0.01215          | 1.033             | 1.0564            | 1.083             | 0.014577          | -0.004    | 0.0029      | 0.008     | 0.0044083  |

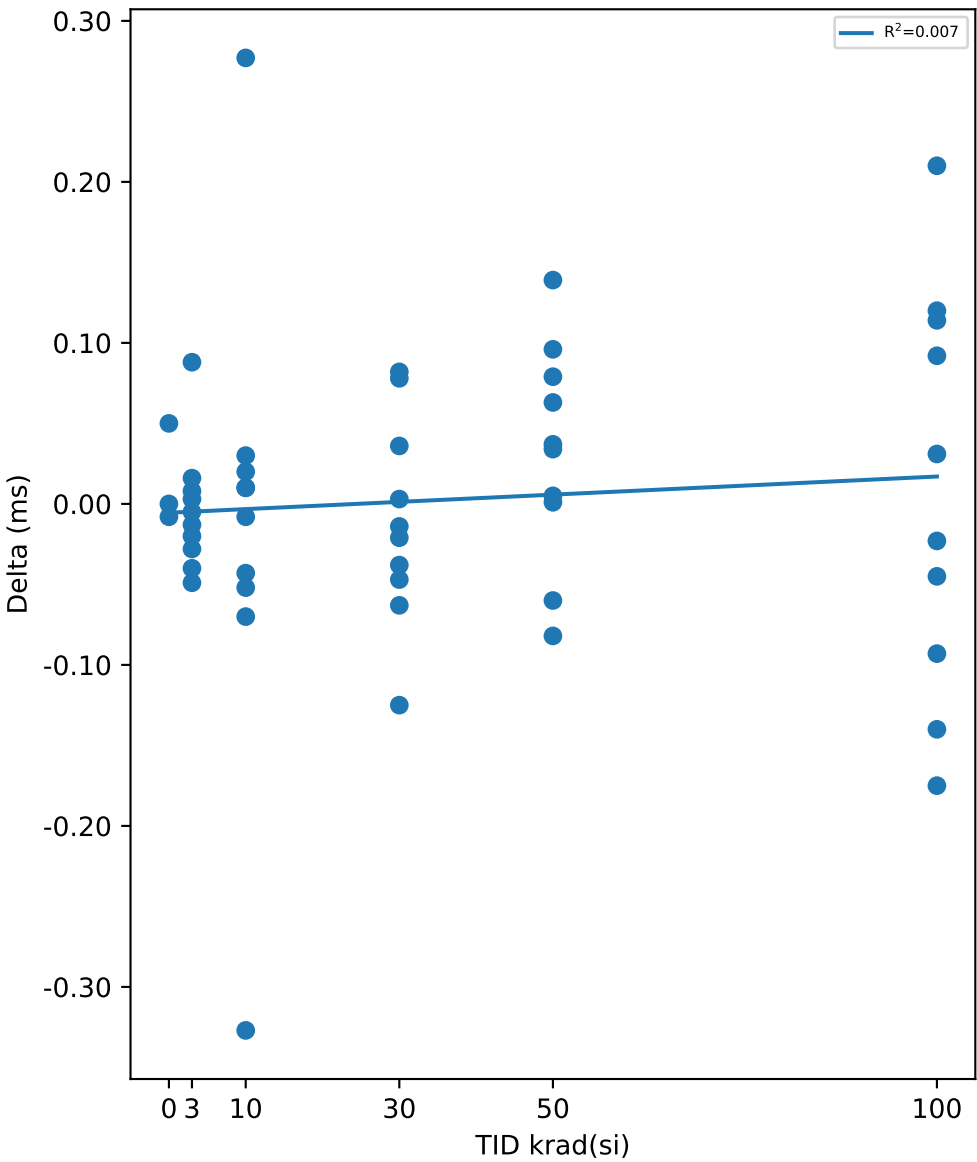
TID vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 12.553     | 12.553      | 0      |
| 301      | 0        | Correlation         | 12.446     | 12.438      | -0.008 |
| 302      | 0        | Correlation         | 12.194     | 12.244      | 0.05   |
| 303      | 3        | Bias                | 12.309     | 12.325      | 0.016  |
| 304      | 3        | Bias                | 12.394     | 12.381      | -0.013 |
| 305      | 3        | Bias                | 12.618     | 12.59       | -0.028 |
| 306      | 3        | Bias                | 12.536     | 12.539      | 0.003  |
| 307      | 3        | Bias                | 12.397     | 12.348      | -0.049 |
| 308      | 3        | Unbiased            | 12.296     | 12.304      | 0.008  |
| 309      | 3        | Unbiased            | 12.619     | 12.614      | -0.005 |
| 310      | 3        | Unbiased            | 12.629     | 12.589      | -0.04  |
| 311      | 3        | Unbiased            | 12.328     | 12.416      | 0.088  |
| 312      | 3        | Unbiased            | 12.438     | 12.418      | -0.02  |
| 313      | 10       | Bias                | 12.227     | 12.237      | 0.01   |
| 314      | 10       | Bias                | 12.408     | 12.365      | -0.043 |
| 315      | 10       | Bias                | 12.254     | 12.202      | -0.052 |
| 316      | 10       | Bias                | 12.468     | 12.498      | 0.03   |
| 317      | 10       | Bias                | 12.669     | 12.661      | -0.008 |
| 318      | 10       | Unbiased            | 12.651     | 12.581      | -0.07  |
| 319      | 10       | Unbiased            | 12.203     | 12.213      | 0.01   |
| 320      | 10       | Unbiased            | 12.638     | 12.311      | -0.327 |
| 321      | 10       | Unbiased            | 12.325     | 12.602      | 0.277  |
| 322      | 10       | Unbiased            | 12.568     | 12.588      | 0.02   |
| 323      | 30       | Bias                | 12.416     | 12.369      | -0.047 |
| 324      | 30       | Bias                | 12.36      | 12.346      | -0.014 |
| 325      | 30       | Bias                | 12.582     | 12.519      | -0.063 |
| 326      | 30       | Bias                | 12.472     | 12.554      | 0.082  |
| 327      | 30       | Bias                | 12.274     | 12.253      | -0.021 |
| 328      | 30       | Unbiased            | 12.518     | 12.48       | -0.038 |
| 329      | 30       | Unbiased            | 12.724     | 12.727      | 0.003  |
| 330      | 30       | Unbiased            | 12.543     | 12.418      | -0.125 |
| 331      | 30       | Unbiased            | 12.387     | 12.423      | 0.036  |
| 332      | 30       | Unbiased            | 12.63      | 12.708      | 0.078  |
| 333      | 50       | Bias                | 12.311     | 12.312      | 0.001  |
| 334      | 50       | Bias                | 12.572     | 12.635      | 0.063  |
| 335      | 50       | Bias                | 12.409     | 12.349      | -0.06  |
| 336      | 50       | Bias                | 12.522     | 12.661      | 0.139  |
| 337      | 50       | Bias                | 12.316     | 12.234      | -0.082 |
| 338      | 50       | Unbiased            | 12.161     | 12.257      | 0.096  |
| 339      | 50       | Unbiased            | 12.307     | 12.312      | 0.005  |
| 340      | 50       | Unbiased            | 12.416     | 12.453      | 0.037  |
| 341      | 50       | Unbiased            | 12.529     | 12.563      | 0.034  |
| 342      | 50       | Unbiased            | 12.414     | 12.493      | 0.079  |
| 343      | 100      | Bias                | 12.451     | 12.571      | 0.12   |
| 344      | 100      | Bias                | 12.347     | 12.378      | 0.031  |
| 345      | 100      | Bias                | 12.686     | 12.593      | -0.093 |
| 346      | 100      | Bias                | 12.387     | 12.212      | -0.175 |
| 347      | 100      | Bias                | 12.221     | 12.313      | 0.092  |
| 348      | 100      | Unbiased            | 12.697     | 12.907      | 0.21   |
| 349      | 100      | Unbiased            | 12.601     | 12.461      | -0.14  |
| 350      | 100      | Unbiased            | 12.617     | 12.594      | -0.023 |
| 351      | 100      | Unbiased            | 12.633     | 12.747      | 0.114  |
| 352      | 100      | Unbiased            | 12.438     | 12.393      | -0.045 |

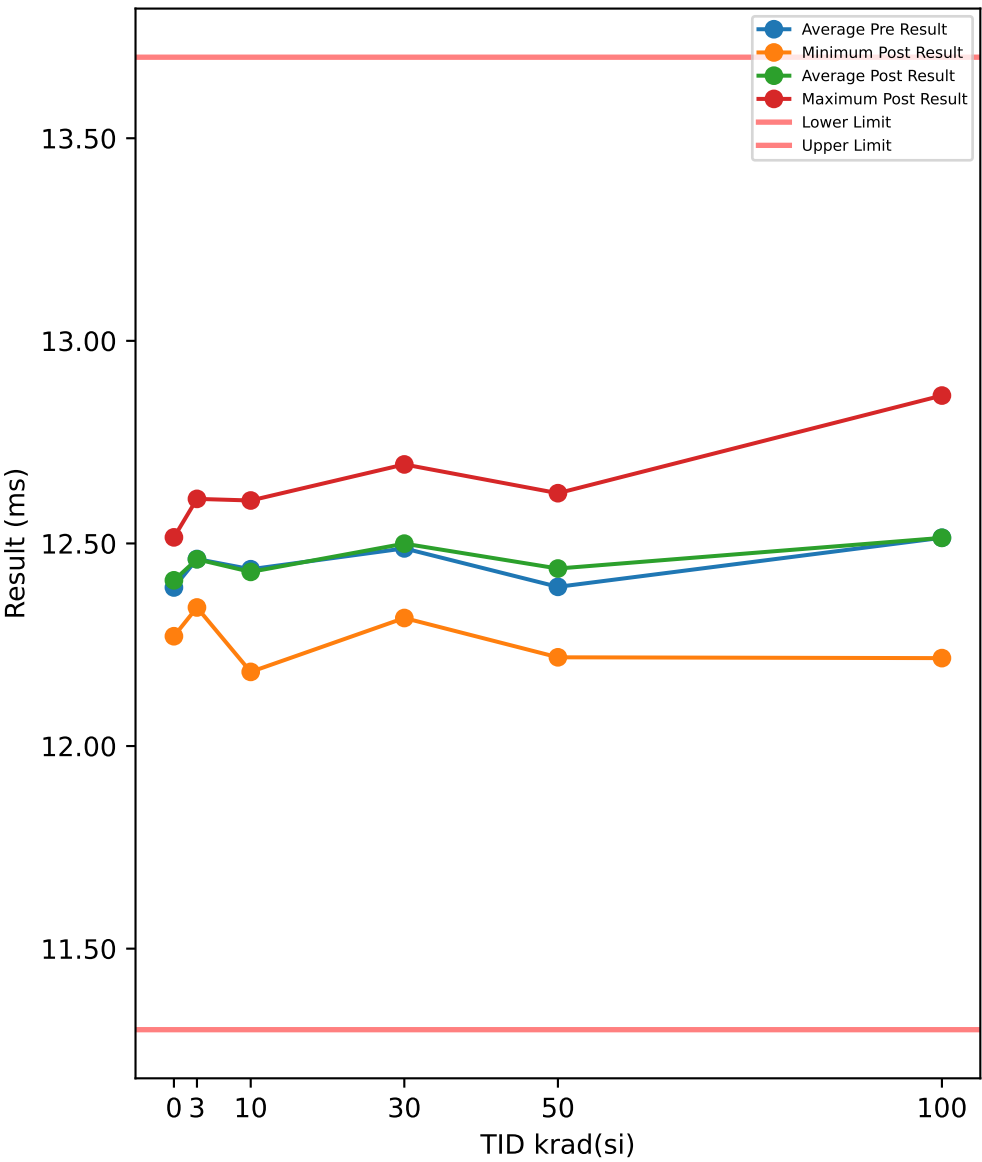
TID vs Post - Pre Exposure Delta



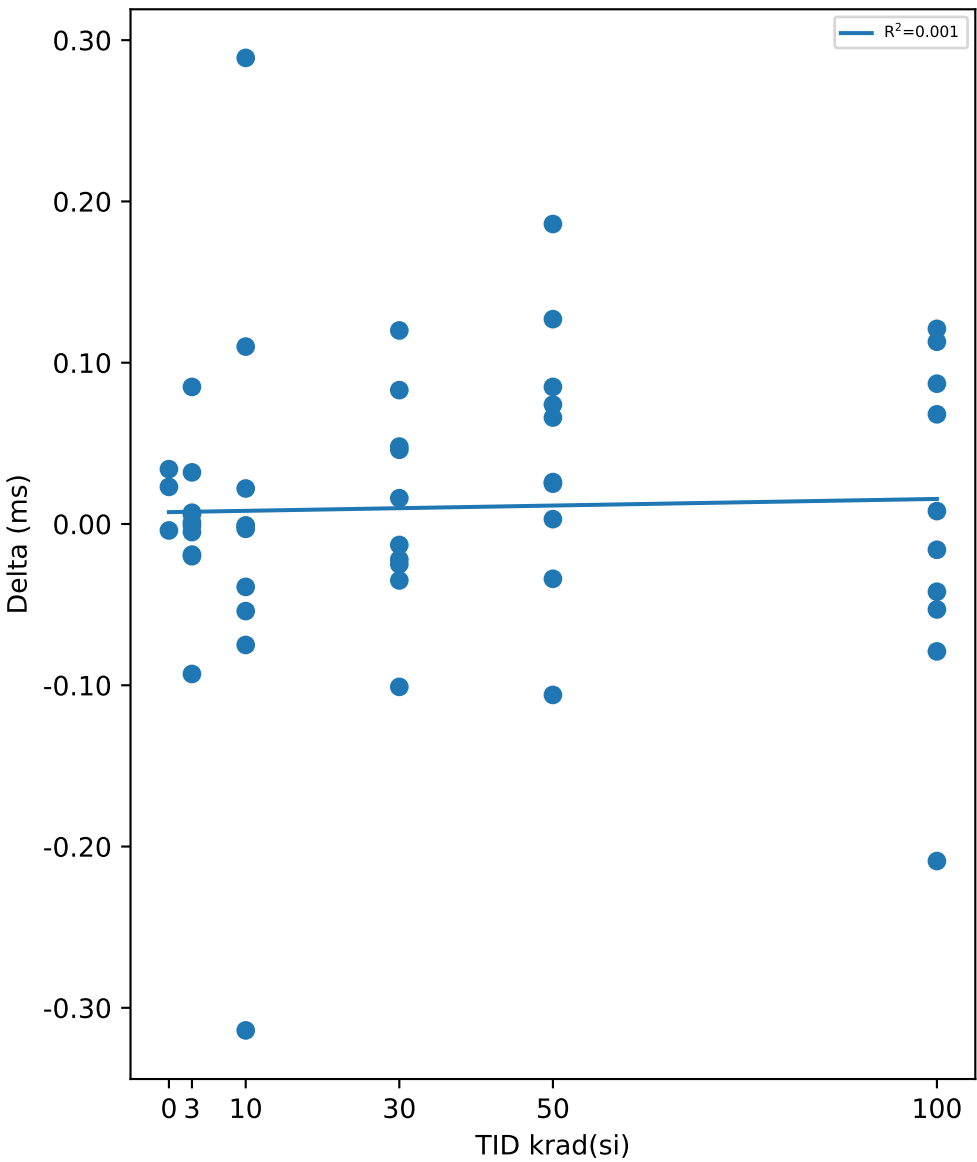
Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.194           | 12.398           | 12.553           | 0.18432          | 12.244            | 12.412            | 12.553            | 0.15617           | -0.008    | 0.014     | 0.05      | 0.031432  |
| 3        | 12.296           | 12.456           | 12.629           | 0.13349          | 12.304            | 12.452            | 12.614            | 0.11924           | -0.049    | -0.004    | 0.088     | 0.03843   |
| 10       | 12.203           | 12.441           | 12.669           | 0.1837           | 12.202            | 12.426            | 12.661            | 0.17946           | -0.327    | -0.0153   | 0.277     | 0.14619   |
| 30       | 12.274           | 12.491           | 12.724           | 0.13596          | 12.253            | 12.48             | 12.727            | 0.15235           | -0.125    | -0.0109   | 0.082     | 0.063952  |
| 50       | 12.161           | 12.396           | 12.572           | 0.1257           | 12.234            | 12.427            | 12.661            | 0.15643           | -0.082    | 0.0312    | 0.139     | 0.068222  |
| 100      | 12.221           | 12.508           | 12.697           | 0.16147          | 12.212            | 12.517            | 12.907            | 0.20872           | -0.175    | 0.0091    | 0.21      | 0.1254    |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



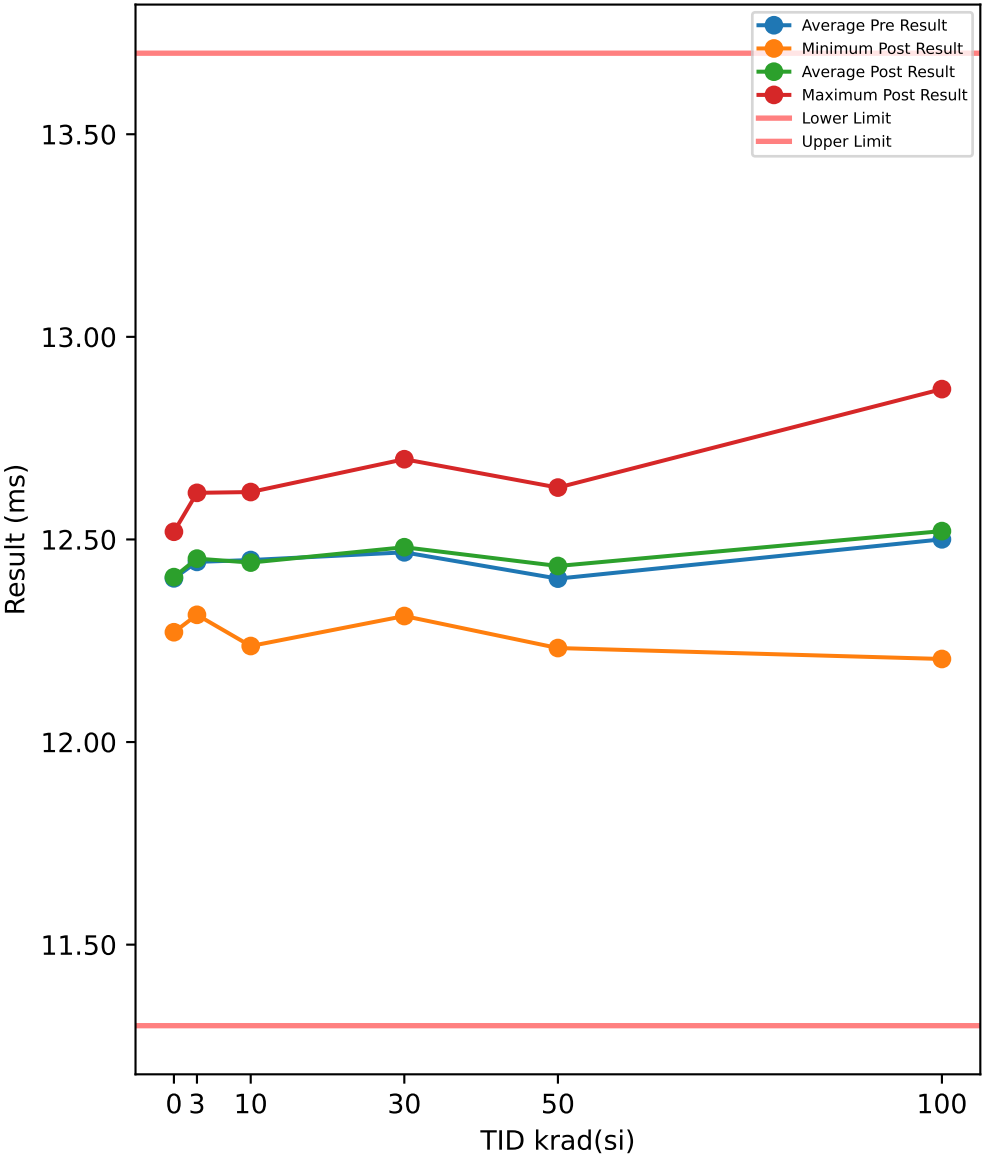
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 12.519     | 12.515      | -0.004 |
| 301      | 0        | Correlation         | 12.418     | 12.441      | 0.023  |
| 302      | 0        | Correlation         | 12.237     | 12.271      | 0.034  |
| 303      | 3        | Bias                | 12.382     | 12.383      | 0.001  |
| 304      | 3        | Bias                | 12.4       | 12.406      | 0.006  |
| 305      | 3        | Bias                | 12.572     | 12.553      | -0.019 |
| 306      | 3        | Bias                | 12.539     | 12.546      | 0.007  |
| 307      | 3        | Bias                | 12.392     | 12.391      | -0.001 |
| 308      | 3        | Unbiased            | 12.31      | 12.342      | 0.032  |
| 309      | 3        | Unbiased            | 12.703     | 12.61       | -0.093 |
| 310      | 3        | Unbiased            | 12.564     | 12.544      | -0.02  |
| 311      | 3        | Unbiased            | 12.394     | 12.389      | -0.005 |
| 312      | 3        | Unbiased            | 12.36      | 12.445      | 0.085  |
| 313      | 10       | Bias                | 12.259     | 12.256      | -0.003 |
| 314      | 10       | Bias                | 12.345     | 12.367      | 0.022  |
| 315      | 10       | Bias                | 12.258     | 12.183      | -0.075 |
| 316      | 10       | Bias                | 12.443     | 12.553      | 0.11   |
| 317      | 10       | Bias                | 12.6       | 12.599      | -0.001 |
| 318      | 10       | Unbiased            | 12.584     | 12.545      | -0.039 |
| 319      | 10       | Unbiased            | 12.239     | 12.238      | -0.001 |
| 320      | 10       | Unbiased            | 12.674     | 12.36       | -0.314 |
| 321      | 10       | Unbiased            | 12.317     | 12.606      | 0.289  |
| 322      | 10       | Unbiased            | 12.645     | 12.591      | -0.054 |
| 323      | 30       | Bias                | 12.395     | 12.411      | 0.016  |
| 324      | 30       | Bias                | 12.441     | 12.406      | -0.035 |
| 325      | 30       | Bias                | 12.51      | 12.593      | 0.083  |
| 326      | 30       | Bias                | 12.454     | 12.574      | 0.12   |
| 327      | 30       | Bias                | 12.27      | 12.316      | 0.046  |
| 328      | 30       | Unbiased            | 12.506     | 12.554      | 0.048  |
| 329      | 30       | Unbiased            | 12.711     | 12.689      | -0.022 |
| 330      | 30       | Unbiased            | 12.498     | 12.397      | -0.101 |
| 331      | 30       | Unbiased            | 12.385     | 12.36       | -0.025 |
| 332      | 30       | Unbiased            | 12.708     | 12.695      | -0.013 |
| 333      | 50       | Bias                | 12.321     | 12.395      | 0.074  |
| 334      | 50       | Bias                | 12.576     | 12.602      | 0.026  |
| 335      | 50       | Bias                | 12.385     | 12.41       | 0.025  |
| 336      | 50       | Bias                | 12.438     | 12.624      | 0.186  |
| 337      | 50       | Bias                | 12.325     | 12.219      | -0.106 |
| 338      | 50       | Unbiased            | 12.211     | 12.277      | 0.066  |
| 339      | 50       | Unbiased            | 12.29      | 12.375      | 0.085  |
| 340      | 50       | Unbiased            | 12.429     | 12.432      | 0.003  |
| 341      | 50       | Unbiased            | 12.592     | 12.558      | -0.034 |
| 342      | 50       | Unbiased            | 12.362     | 12.489      | 0.127  |
| 343      | 100      | Bias                | 12.454     | 12.541      | 0.087  |
| 344      | 100      | Bias                | 12.387     | 12.334      | -0.053 |
| 345      | 100      | Bias                | 12.637     | 12.595      | -0.042 |
| 346      | 100      | Bias                | 12.426     | 12.217      | -0.209 |
| 347      | 100      | Bias                | 12.261     | 12.329      | 0.068  |
| 348      | 100      | Unbiased            | 12.744     | 12.865      | 0.121  |
| 349      | 100      | Unbiased            | 12.543     | 12.464      | -0.079 |
| 350      | 100      | Unbiased            | 12.591     | 12.575      | -0.016 |
| 351      | 100      | Unbiased            | 12.648     | 12.761      | 0.113  |
| 352      | 100      | Unbiased            | 12.449     | 12.457      | 0.008  |

Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.237           | 12.391           | 12.519           | 0.14288          | 12.271            | 12.409            | 12.515            | 0.12511           | -0.004    | 0.017667  | 0.034     | 0.019553  |
| 3        | 12.31            | 12.462           | 12.703           | 0.12463          | 12.342            | 12.461            | 12.61             | 0.093327          | -0.093    | -0.0007   | 0.085     | 0.04443   |
| 10       | 12.239           | 12.436           | 12.674           | 0.1743           | 12.183            | 12.43             | 12.606            | 0.16694           | -0.314    | -0.0066   | 0.289     | 0.15068   |
| 30       | 12.27            | 12.488           | 12.711           | 0.13711          | 12.316            | 12.5              | 12.695            | 0.13808           | -0.101    | 0.0117    | 0.12      | 0.064377  |
| 50       | 12.211           | 12.393           | 12.592           | 0.12064          | 12.219            | 12.438            | 12.624            | 0.13292           | -0.106    | 0.0452    | 0.186     | 0.082363  |
| 100      | 12.261           | 12.514           | 12.744           | 0.14471          | 12.217            | 12.514            | 12.865            | 0.19883           | -0.209    | -0.0002   | 0.121     | 0.10242   |

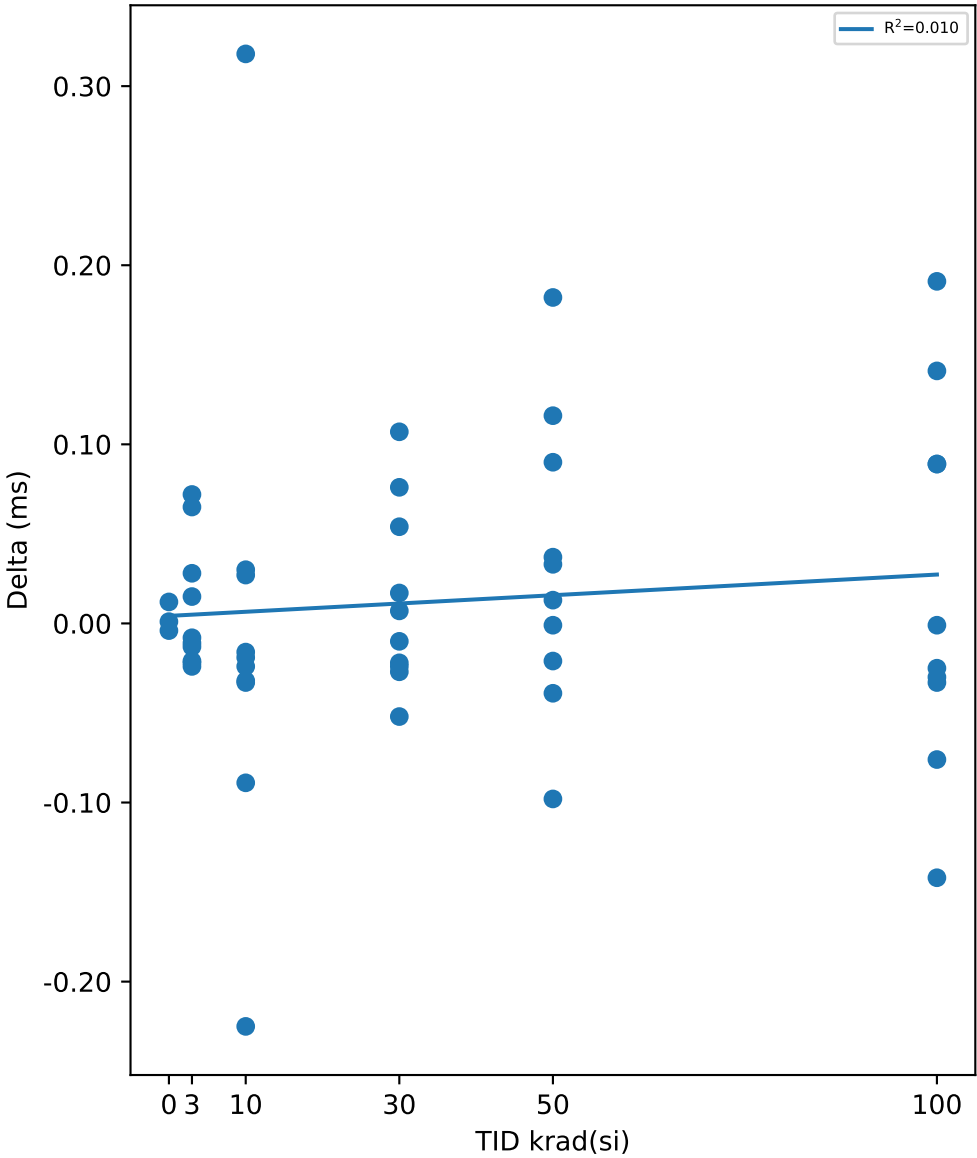
TID vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 12.507     | 12.519      | 0.012  |
| 301      | 0        | Correlation         | 12.43      | 12.431      | 0.001  |
| 302      | 0        | Correlation         | 12.275     | 12.271      | -0.004 |
| 303      | 3        | Bias                | 12.359     | 12.387      | 0.028  |
| 304      | 3        | Bias                | 12.374     | 12.439      | 0.065  |
| 305      | 3        | Bias                | 12.579     | 12.558      | -0.021 |
| 306      | 3        | Bias                | 12.545     | 12.532      | -0.013 |
| 307      | 3        | Bias                | 12.338     | 12.314      | -0.024 |
| 308      | 3        | Unbiased            | 12.279     | 12.351      | 0.072  |
| 309      | 3        | Unbiased            | 12.637     | 12.615      | -0.022 |
| 310      | 3        | Unbiased            | 12.569     | 12.558      | -0.011 |
| 311      | 3        | Unbiased            | 12.399     | 12.414      | 0.015  |
| 312      | 3        | Unbiased            | 12.367     | 12.359      | -0.008 |
| 313      | 10       | Bias                | 12.29      | 12.266      | -0.024 |
| 314      | 10       | Bias                | 12.432     | 12.399      | -0.033 |
| 315      | 10       | Bias                | 12.264     | 12.248      | -0.016 |
| 316      | 10       | Bias                | 12.512     | 12.48       | -0.032 |
| 317      | 10       | Bias                | 12.676     | 12.587      | -0.089 |
| 318      | 10       | Unbiased            | 12.588     | 12.615      | 0.027  |
| 319      | 10       | Unbiased            | 12.256     | 12.237      | -0.019 |
| 320      | 10       | Unbiased            | 12.6       | 12.375      | -0.225 |
| 321      | 10       | Unbiased            | 12.299     | 12.617      | 0.318  |
| 322      | 10       | Unbiased            | 12.575     | 12.605      | 0.03   |
| 323      | 30       | Bias                | 12.402     | 12.35       | -0.052 |
| 324      | 30       | Bias                | 12.351     | 12.324      | -0.027 |
| 325      | 30       | Bias                | 12.522     | 12.529      | 0.007  |
| 326      | 30       | Bias                | 12.466     | 12.573      | 0.107  |
| 327      | 30       | Bias                | 12.294     | 12.311      | 0.017  |
| 328      | 30       | Unbiased            | 12.509     | 12.487      | -0.022 |
| 329      | 30       | Unbiased            | 12.705     | 12.695      | -0.01  |
| 330      | 30       | Unbiased            | 12.505     | 12.481      | -0.024 |
| 331      | 30       | Unbiased            | 12.306     | 12.36       | 0.054  |
| 332      | 30       | Unbiased            | 12.622     | 12.698      | 0.076  |
| 333      | 50       | Bias                | 12.341     | 12.378      | 0.037  |
| 334      | 50       | Bias                | 12.593     | 12.606      | 0.013  |
| 335      | 50       | Bias                | 12.411     | 12.41       | -0.001 |
| 336      | 50       | Bias                | 12.446     | 12.628      | 0.182  |
| 337      | 50       | Bias                | 12.33      | 12.232      | -0.098 |
| 338      | 50       | Unbiased            | 12.205     | 12.321      | 0.116  |
| 339      | 50       | Unbiased            | 12.322     | 12.355      | 0.033  |
| 340      | 50       | Unbiased            | 12.344     | 12.434      | 0.09   |
| 341      | 50       | Unbiased            | 12.591     | 12.57       | -0.021 |
| 342      | 50       | Unbiased            | 12.45      | 12.411      | -0.039 |
| 343      | 100      | Bias                | 12.487     | 12.628      | 0.141  |
| 344      | 100      | Bias                | 12.379     | 12.378      | -0.001 |
| 345      | 100      | Bias                | 12.628     | 12.603      | -0.025 |
| 346      | 100      | Bias                | 12.347     | 12.205      | -0.142 |
| 347      | 100      | Bias                | 12.24      | 12.329      | 0.089  |
| 348      | 100      | Unbiased            | 12.68      | 12.871      | 0.191  |
| 349      | 100      | Unbiased            | 12.54      | 12.464      | -0.076 |
| 350      | 100      | Unbiased            | 12.609     | 12.576      | -0.033 |
| 351      | 100      | Unbiased            | 12.667     | 12.756      | 0.089  |
| 352      | 100      | Unbiased            | 12.426     | 12.396      | -0.03  |

TID vs Post - Pre Exposure Delta

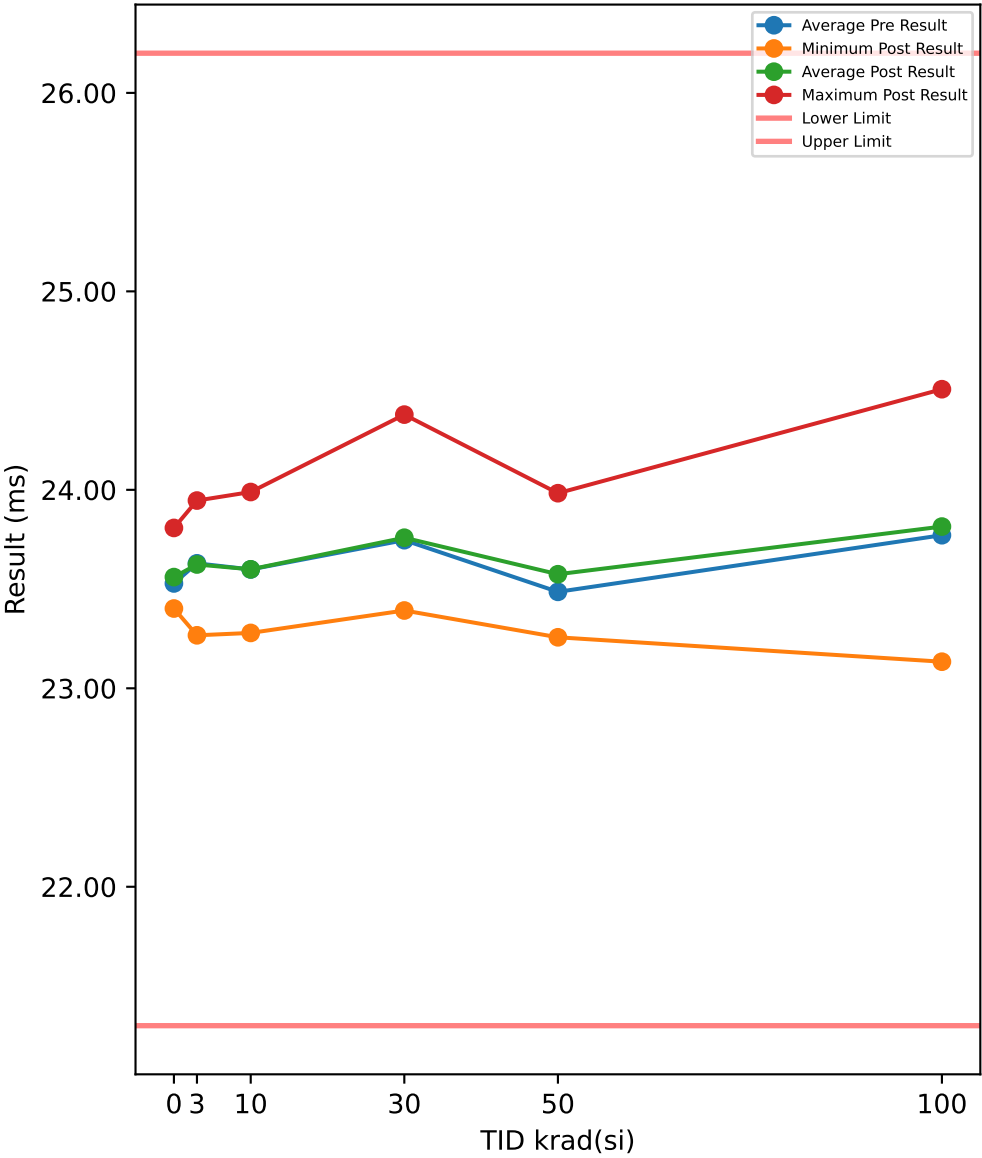


Test Statistics (ms)

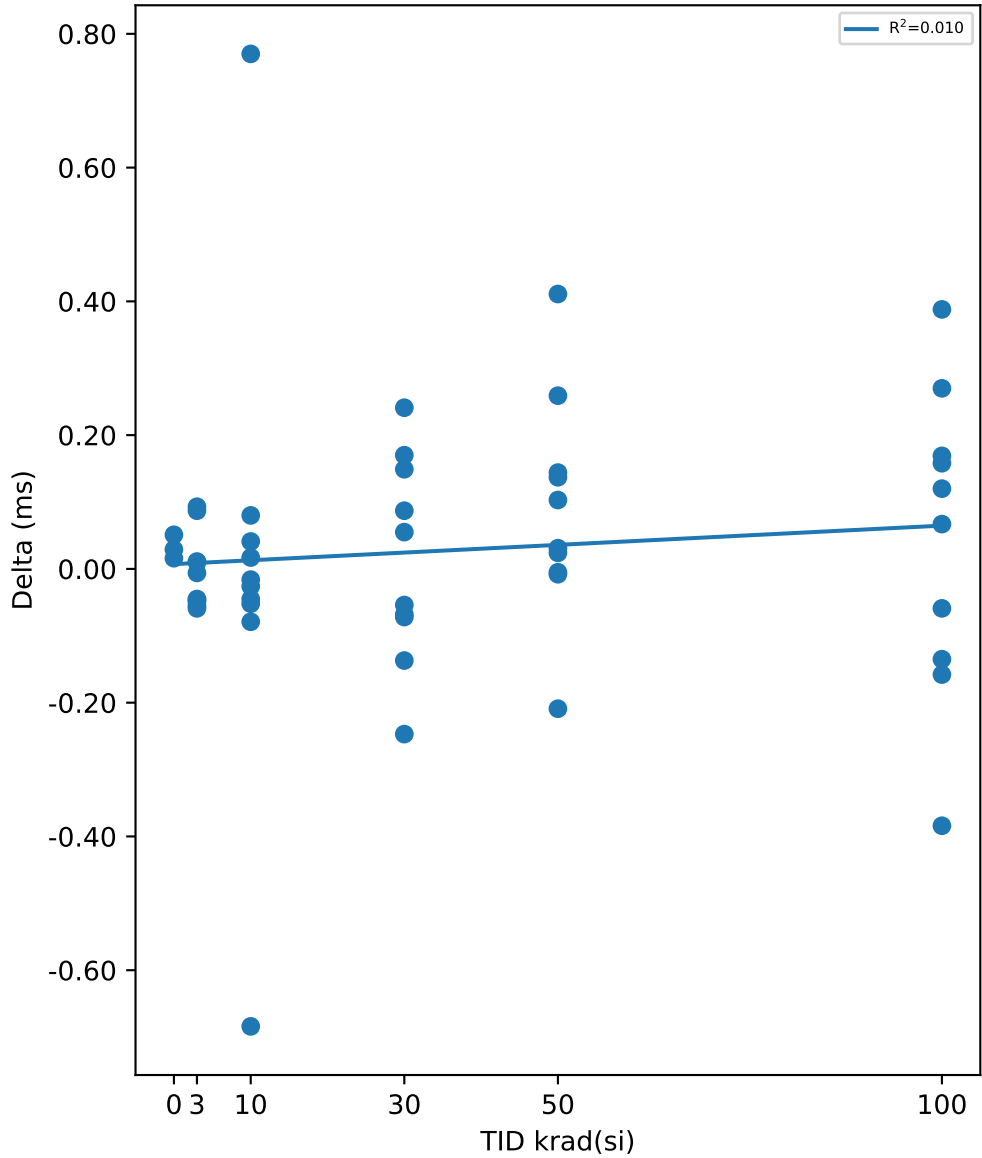
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.275           | 12.404           | 12.507           | 0.11817          | 12.271            | 12.407            | 12.519            | 0.12573           | -0.004    | 0.003     | 0.012     | 0.0081854 |
| 3        | 12.279           | 12.445           | 12.637           | 0.12465          | 12.314            | 12.453            | 12.615            | 0.10497           | -0.024    | 0.0081    | 0.072     | 0.035927  |
| 10       | 12.256           | 12.449           | 12.676           | 0.16091          | 12.237            | 12.443            | 12.617            | 0.15866           | -0.225    | -0.0063   | 0.318     | 0.13508   |
| 30       | 12.294           | 12.468           | 12.705           | 0.13351          | 12.311            | 12.481            | 12.698            | 0.14493           | -0.052    | 0.0126    | 0.107     | 0.051082  |
| 50       | 12.205           | 12.403           | 12.593           | 0.12201          | 12.232            | 12.434            | 12.628            | 0.129             | -0.098    | 0.0312    | 0.182     | 0.081062  |
| 100      | 12.24            | 12.5             | 12.68            | 0.14961          | 12.205            | 12.521            | 12.871            | 0.20411           | -0.142    | 0.0203    | 0.191     | 0.10362   |

Device Test: 5.50 ; DLY\_TMR\_1MOHM

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 23.792     | 23.808      | 0.016  |
| 301      | 0        | Correlation         | 23.442     | 23.471      | 0.029  |
| 302      | 0        | Correlation         | 23.351     | 23.402      | 0.051  |
| 303      | 3        | Bias                | 23.474     | 23.468      | -0.006 |
| 304      | 3        | Bias                | 23.705     | 23.646      | -0.059 |
| 305      | 3        | Bias                | 23.907     | 23.852      | -0.055 |
| 306      | 3        | Bias                | 23.818     | 23.828      | 0.01   |
| 307      | 3        | Bias                | 23.313     | 23.267      | -0.046 |
| 308      | 3        | Unbiased            | 23.258     | 23.351      | 0.093  |
| 309      | 3        | Unbiased            | 23.995     | 23.946      | -0.049 |
| 310      | 3        | Unbiased            | 23.862     | 23.817      | -0.045 |
| 311      | 3        | Unbiased            | 23.469     | 23.556      | 0.087  |
| 312      | 3        | Unbiased            | 23.496     | 23.507      | 0.011  |
| 313      | 10       | Bias                | 23.37      | 23.325      | -0.045 |
| 314      | 10       | Bias                | 23.555     | 23.476      | -0.079 |
| 315      | 10       | Bias                | 23.271     | 23.288      | 0.017  |
| 316      | 10       | Bias                | 23.626     | 23.706      | 0.08   |
| 317      | 10       | Bias                | 23.927     | 23.911      | -0.016 |
| 318      | 10       | Unbiased            | 23.868     | 23.816      | -0.052 |
| 319      | 10       | Unbiased            | 23.305     | 23.279      | -0.026 |
| 320      | 10       | Unbiased            | 23.982     | 23.298      | -0.684 |
| 321      | 10       | Unbiased            | 23.219     | 23.989      | 0.77   |
| 322      | 10       | Unbiased            | 23.866     | 23.907      | 0.041  |
| 323      | 30       | Bias                | 23.739     | 23.602      | -0.137 |
| 324      | 30       | Bias                | 23.579     | 23.525      | -0.054 |
| 325      | 30       | Bias                | 23.77      | 23.857      | 0.087  |
| 326      | 30       | Bias                | 23.664     | 23.905      | 0.241  |
| 327      | 30       | Bias                | 23.337     | 23.392      | 0.055  |
| 328      | 30       | Unbiased            | 23.686     | 23.618      | -0.068 |
| 329      | 30       | Unbiased            | 24.451     | 24.379      | -0.072 |
| 330      | 30       | Unbiased            | 23.956     | 23.709      | -0.247 |
| 331      | 30       | Unbiased            | 23.247     | 23.396      | 0.149  |
| 332      | 30       | Unbiased            | 24.034     | 24.204      | 0.17   |
| 333      | 50       | Bias                | 23.343     | 23.446      | 0.103  |
| 334      | 50       | Bias                | 23.911     | 23.935      | 0.024  |
| 335      | 50       | Bias                | 23.488     | 23.48       | -0.008 |
| 336      | 50       | Bias                | 23.572     | 23.983      | 0.411  |
| 337      | 50       | Bias                | 23.466     | 23.257      | -0.209 |
| 338      | 50       | Unbiased            | 23.104     | 23.363      | 0.259  |
| 339      | 50       | Unbiased            | 23.297     | 23.292      | -0.005 |
| 340      | 50       | Unbiased            | 23.364     | 23.395      | 0.031  |
| 341      | 50       | Unbiased            | 23.757     | 23.901      | 0.144  |
| 342      | 50       | Unbiased            | 23.558     | 23.695      | 0.137  |
| 343      | 100      | Bias                | 23.6       | 23.758      | 0.158  |
| 344      | 100      | Bias                | 23.325     | 23.445      | 0.12   |
| 345      | 100      | Bias                | 24.308     | 24.173      | -0.135 |
| 346      | 100      | Bias                | 23.518     | 23.134      | -0.384 |
| 347      | 100      | Bias                | 23.275     | 23.444      | 0.169  |
| 348      | 100      | Unbiased            | 24.119     | 24.507      | 0.388  |
| 349      | 100      | Unbiased            | 24.048     | 23.89       | -0.158 |
| 350      | 100      | Unbiased            | 23.978     | 23.919      | -0.059 |
| 351      | 100      | Unbiased            | 24.149     | 24.419      | 0.27   |
| 352      | 100      | Unbiased            | 23.393     | 23.46       | 0.067  |

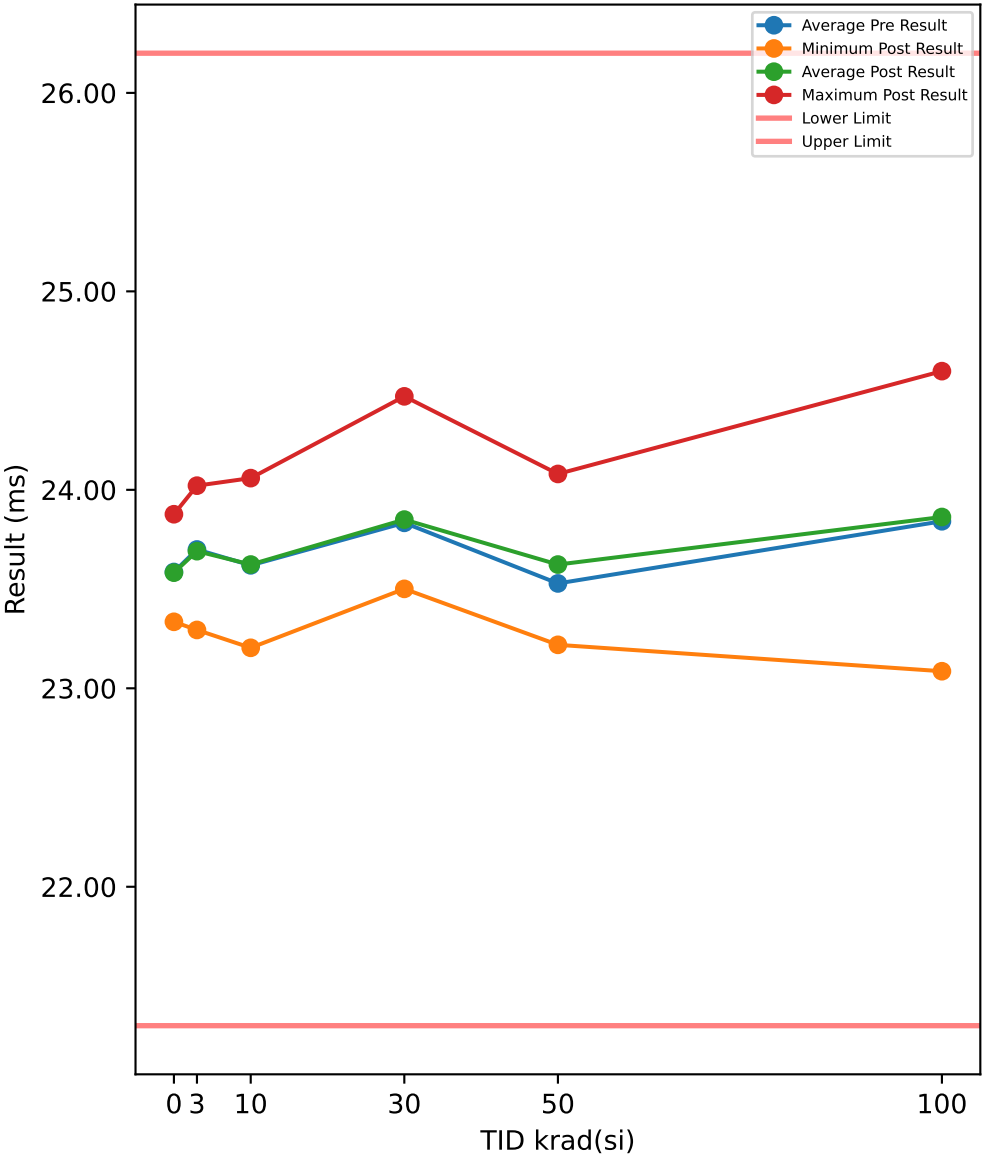
Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 23.351           | 23.528           | 23.792           | 0.23283          | 23.402            | 23.56             | 23.808            | 0.21724           | 0.016     | 0.032     | 0.051     | 0.017692  |
| 3        | 23.258           | 23.63            | 23.995           | 0.26073          | 23.267            | 23.624            | 23.946            | 0.23085           | -0.059    | -0.0059   | 0.093     | 0.056936  |
| 10       | 23.219           | 23.599           | 23.982           | 0.29654          | 23.279            | 23.599            | 23.989            | 0.29491           | -0.684    | 0.0006    | 0.77      | 0.34657   |
| 30       | 23.247           | 23.746           | 24.451           | 0.34628          | 23.392            | 23.759            | 24.379            | 0.33025           | -0.247    | 0.0124    | 0.241     | 0.15302   |
| 50       | 23.104           | 23.486           | 23.911           | 0.23191          | 23.257            | 23.575            | 23.983            | 0.27908           | -0.209    | 0.0887    | 0.411     | 0.16758   |
| 100      | 23.275           | 23.771           | 24.308           | 0.38773          | 23.134            | 23.815            | 24.507            | 0.4541            | -0.384    | 0.0436    | 0.388     | 0.22876   |

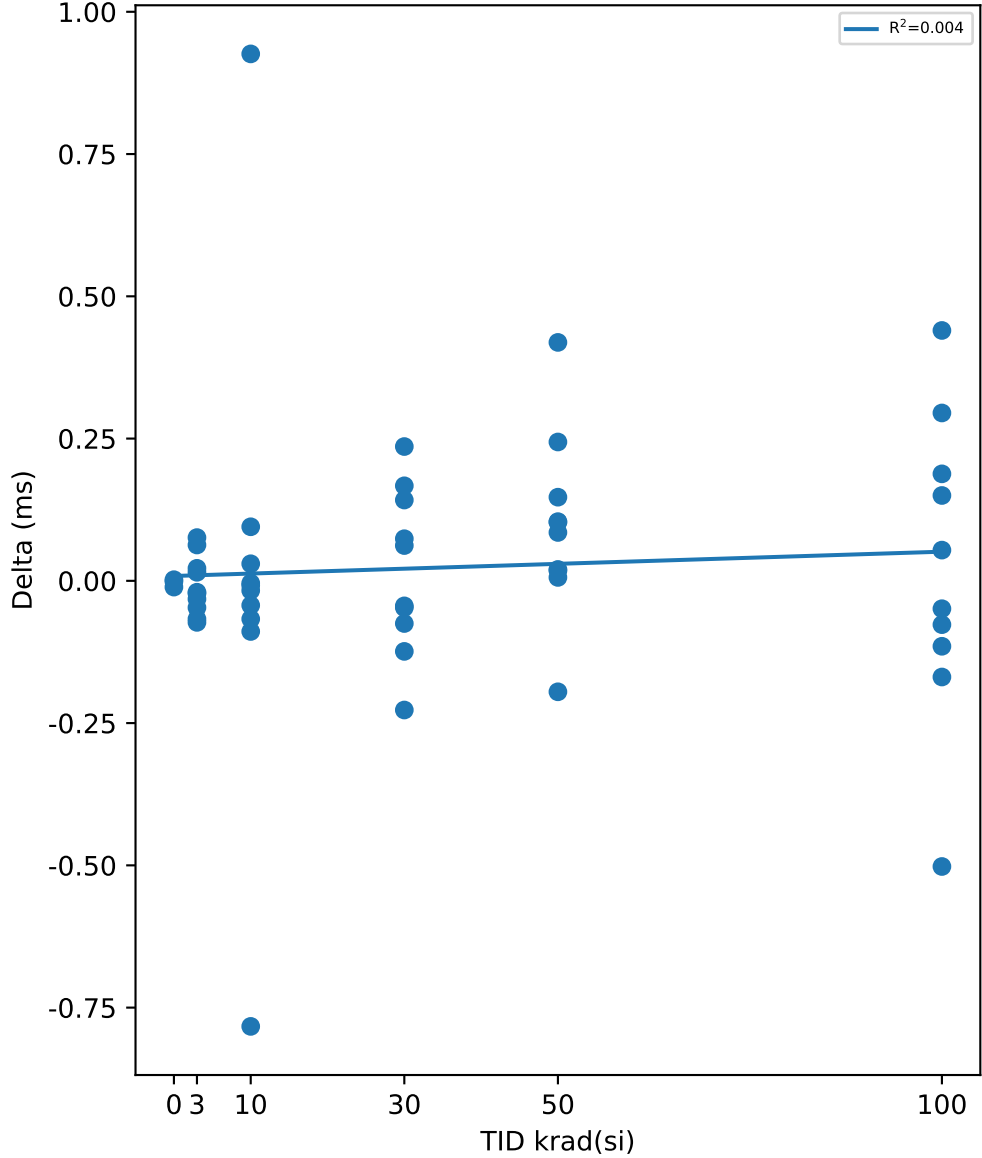


Device Test: 5.51 ; DLY\_TMR\_1MOHM

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

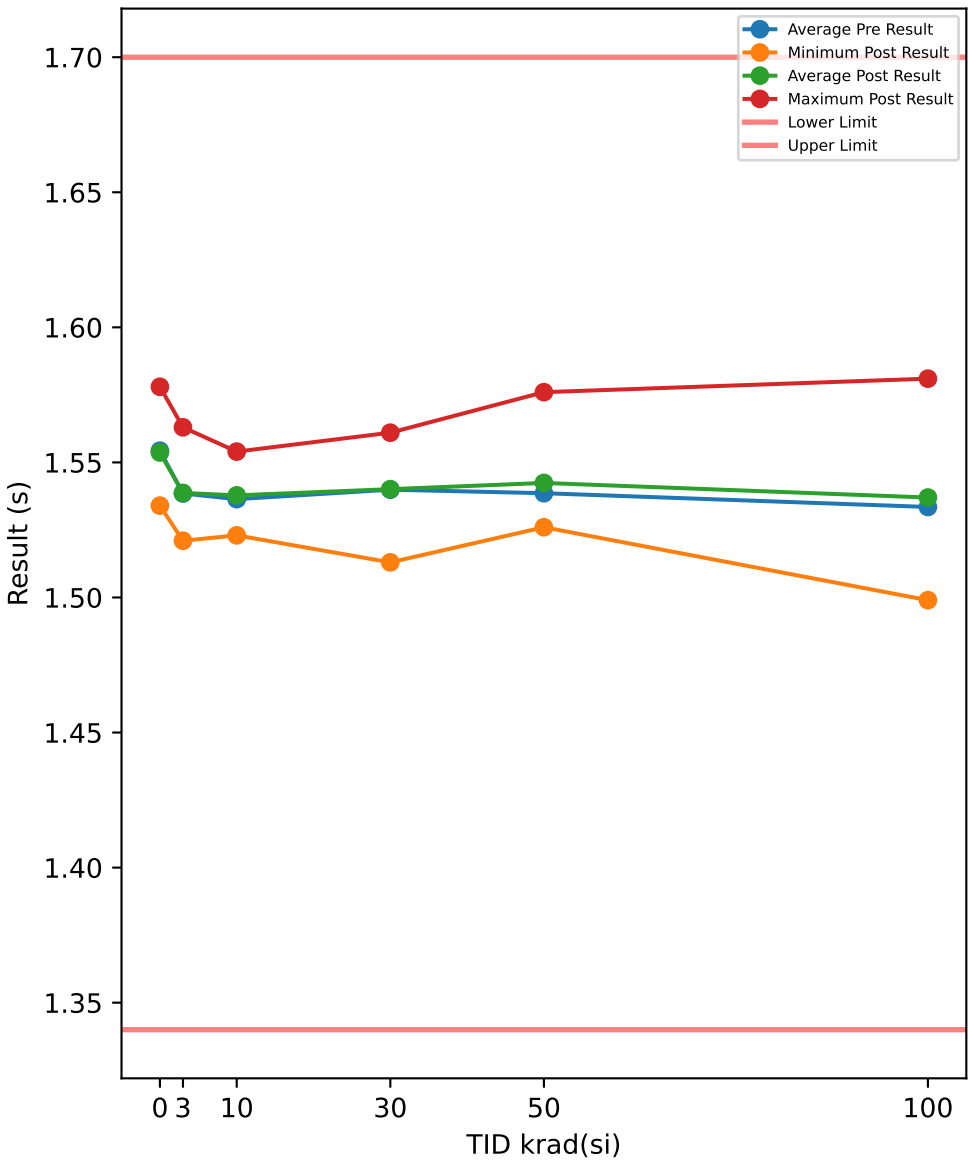
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 23.878     | 23.877      | -0.001 |
| 301      | 0        | Correlation         | 23.534     | 23.536      | 0.002  |
| 302      | 0        | Correlation         | 23.346     | 23.335      | -0.011 |
| 303      | 3        | Bias                | 23.576     | 23.554      | -0.022 |
| 304      | 3        | Bias                | 23.654     | 23.717      | 0.063  |
| 305      | 3        | Bias                | 23.973     | 23.926      | -0.047 |
| 306      | 3        | Bias                | 23.902     | 23.924      | 0.022  |
| 307      | 3        | Bias                | 23.418     | 23.351      | -0.067 |
| 308      | 3        | Unbiased            | 23.218     | 23.294      | 0.076  |
| 309      | 3        | Unbiased            | 24.094     | 24.021      | -0.073 |
| 310      | 3        | Unbiased            | 23.934     | 23.902      | -0.032 |
| 311      | 3        | Unbiased            | 23.596     | 23.611      | 0.015  |
| 312      | 3        | Unbiased            | 23.629     | 23.609      | -0.02  |
| 313      | 10       | Bias                | 23.308     | 23.265      | -0.043 |
| 314      | 10       | Bias                | 23.634     | 23.545      | -0.089 |
| 315      | 10       | Bias                | 23.255     | 23.251      | -0.004 |
| 316      | 10       | Bias                | 23.689     | 23.784      | 0.095  |
| 317      | 10       | Bias                | 24.012     | 24.004      | -0.008 |
| 318      | 10       | Unbiased            | 23.957     | 23.89       | -0.067 |
| 319      | 10       | Unbiased            | 23.221     | 23.204      | -0.017 |
| 320      | 10       | Unbiased            | 24.048     | 23.265      | -0.783 |
| 321      | 10       | Unbiased            | 23.133     | 24.059      | 0.926  |
| 322      | 10       | Unbiased            | 23.939     | 23.969      | 0.03   |
| 323      | 30       | Bias                | 23.817     | 23.693      | -0.124 |
| 324      | 30       | Bias                | 23.665     | 23.59       | -0.075 |
| 325      | 30       | Bias                | 23.852     | 23.914      | 0.062  |
| 326      | 30       | Bias                | 23.769     | 24.005      | 0.236  |
| 327      | 30       | Bias                | 23.427     | 23.501      | 0.074  |
| 328      | 30       | Unbiased            | 23.765     | 23.721      | -0.044 |
| 329      | 30       | Unbiased            | 24.518     | 24.471      | -0.047 |
| 330      | 30       | Unbiased            | 24.047     | 23.82       | -0.227 |
| 331      | 30       | Unbiased            | 23.337     | 23.504      | 0.167  |
| 332      | 30       | Unbiased            | 24.14      | 24.282      | 0.142  |
| 333      | 50       | Bias                | 23.272     | 23.376      | 0.104  |
| 334      | 50       | Bias                | 24.018     | 24.024      | 0.006  |
| 335      | 50       | Bias                | 23.584     | 23.604      | 0.02   |
| 336      | 50       | Bias                | 23.661     | 24.08       | 0.419  |
| 337      | 50       | Bias                | 23.414     | 23.219      | -0.195 |
| 338      | 50       | Unbiased            | 23.059     | 23.303      | 0.244  |
| 339      | 50       | Unbiased            | 23.237     | 23.384      | 0.147  |
| 340      | 50       | Unbiased            | 23.469     | 23.487      | 0.018  |
| 341      | 50       | Unbiased            | 23.879     | 23.982      | 0.103  |
| 342      | 50       | Unbiased            | 23.691     | 23.776      | 0.085  |
| 343      | 100      | Bias                | 23.706     | 23.894      | 0.188  |
| 344      | 100      | Bias                | 23.427     | 23.378      | -0.049 |
| 345      | 100      | Bias                | 24.389     | 24.274      | -0.115 |
| 346      | 100      | Bias                | 23.588     | 23.086      | -0.502 |
| 347      | 100      | Bias                | 23.234     | 23.384      | 0.15   |
| 348      | 100      | Unbiased            | 24.158     | 24.598      | 0.44   |
| 349      | 100      | Unbiased            | 24.133     | 23.964      | -0.169 |
| 350      | 100      | Unbiased            | 24.051     | 23.974      | -0.077 |
| 351      | 100      | Unbiased            | 24.224     | 24.519      | 0.295  |
| 352      | 100      | Unbiased            | 23.506     | 23.56       | 0.054  |

Test Statistics (ms)

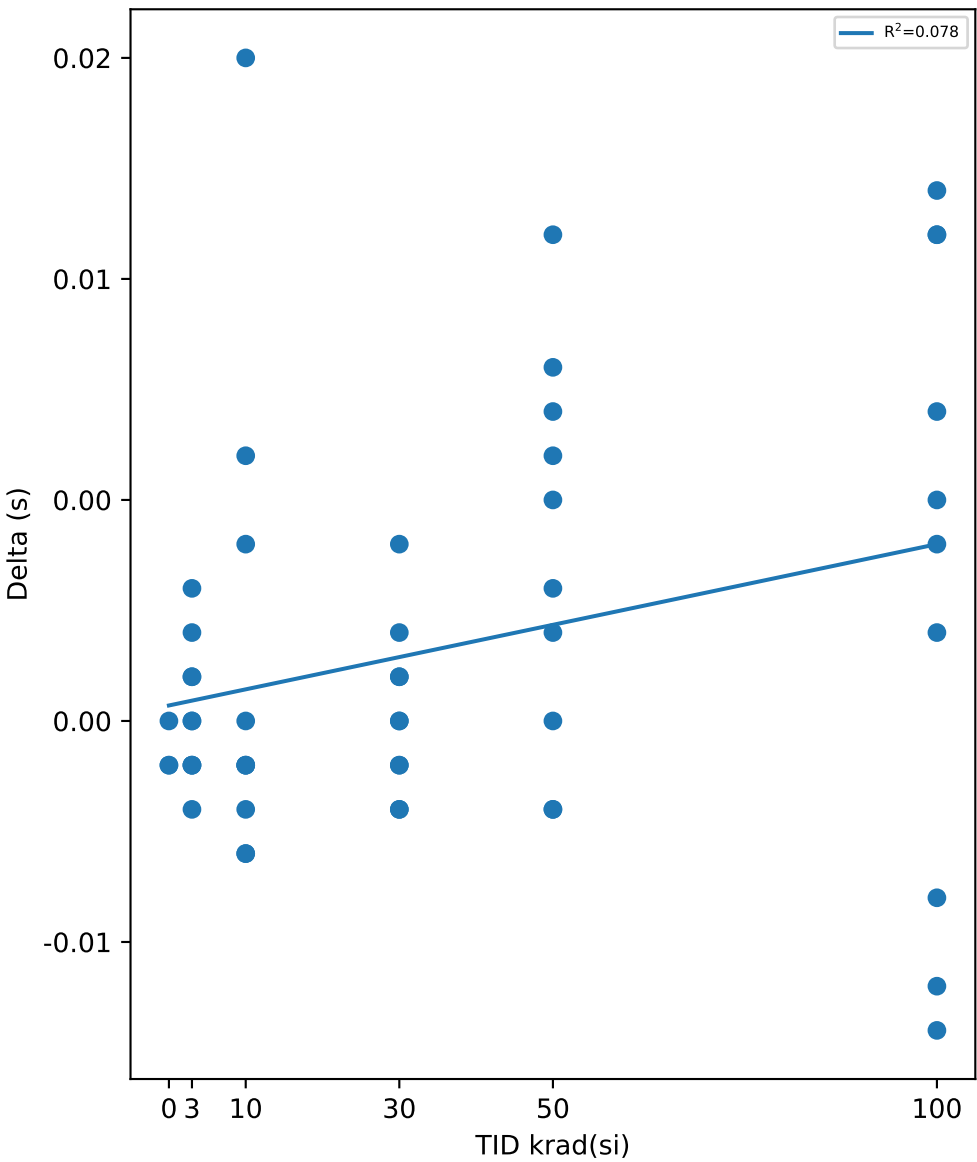
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 23.346           | 23.586           | 23.878           | 0.26979          | 23.335            | 23.583            | 23.877            | 0.274             | -0.011    | -0.0033333 | 0.002     | 0.0068069 |
| 3        | 23.218           | 23.699           | 24.094           | 0.27295          | 23.294            | 23.691            | 24.021            | 0.25138           | -0.073    | -0.0085    | 0.076     | 0.05128   |
| 10       | 23.133           | 23.62            | 24.048           | 0.36272          | 23.204            | 23.624            | 24.059            | 0.35411           | -0.783    | 0.004      | 0.926     | 0.40756   |
| 30       | 23.337           | 23.834           | 24.518           | 0.34281          | 23.501            | 23.85             | 24.471            | 0.32518           | -0.227    | 0.0164     | 0.236     | 0.14417   |
| 50       | 23.059           | 23.528           | 24.018           | 0.29765          | 23.219            | 23.623            | 24.08             | 0.32051           | -0.195    | 0.0951     | 0.419     | 0.16114   |
| 100      | 23.234           | 23.842           | 24.389           | 0.39597          | 23.086            | 23.863            | 24.598            | 0.50806           | -0.502    | 0.0215     | 0.44      | 0.26643   |

Device Test: 5.52 ; WD\_TMR\_1MOHM

TID vs Result Stats



TID vs Post - Pre Exposure Delta



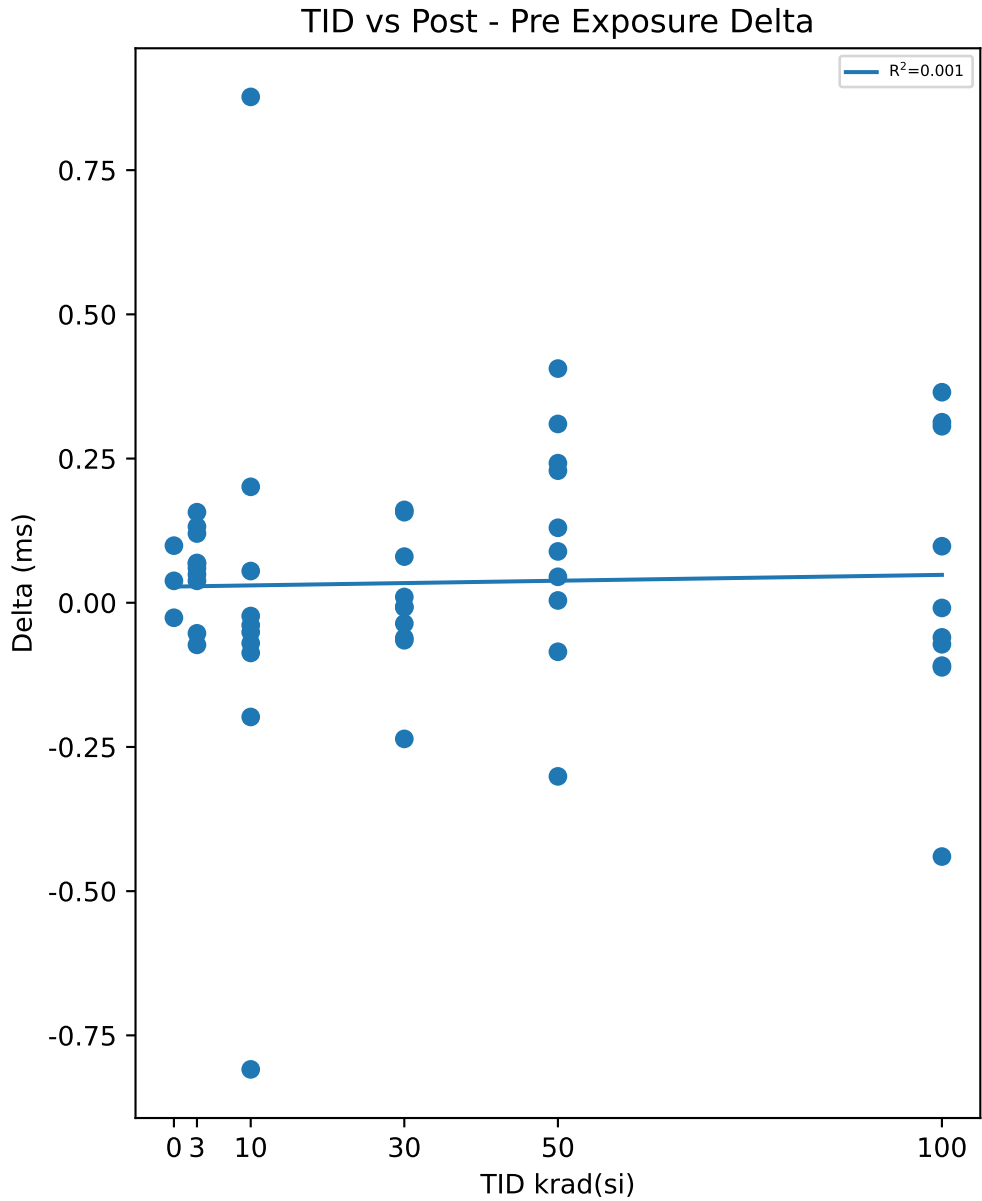
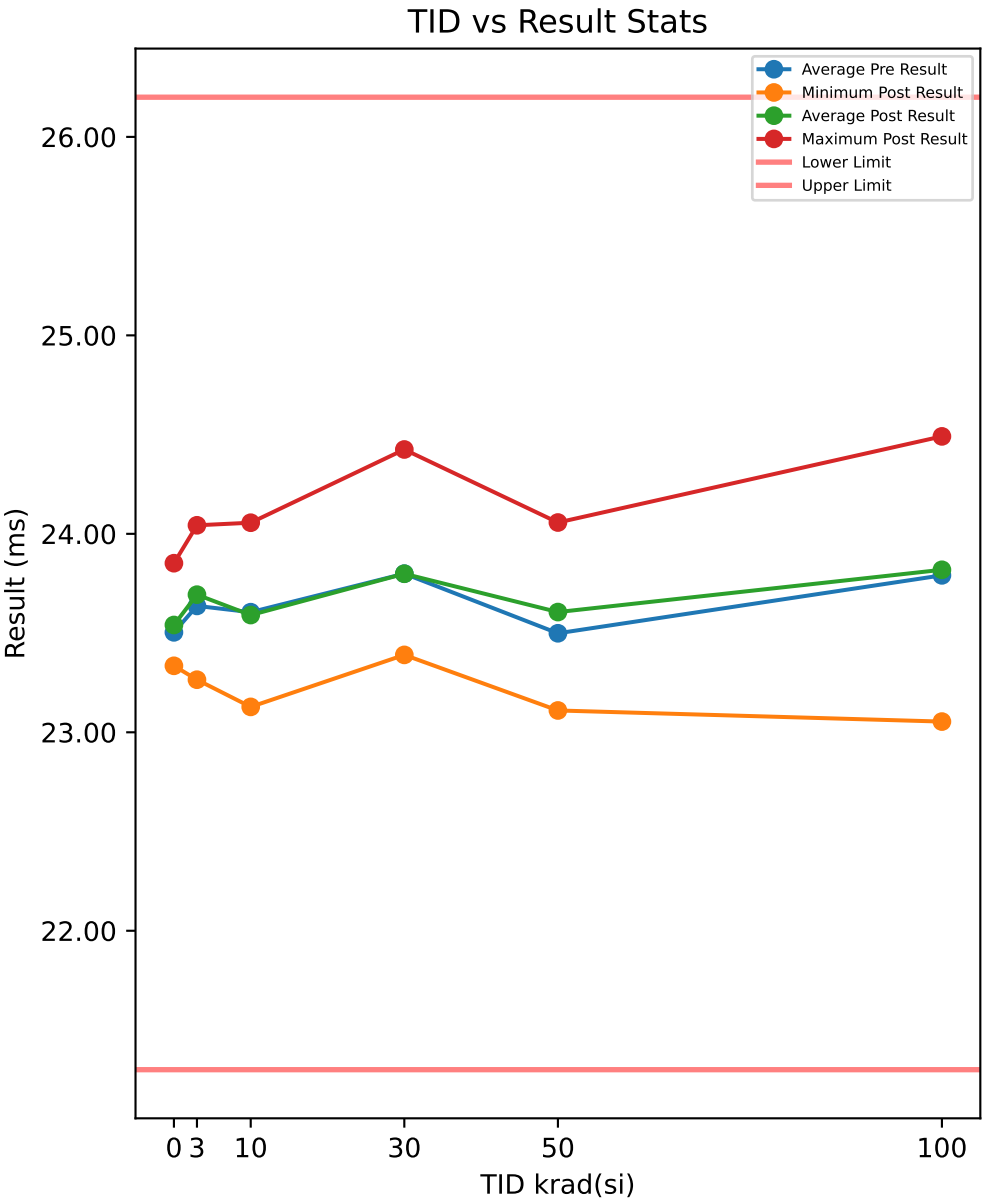
Test Results (Lower Limit = 1.34, Upper Limit = 1.7 (s))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 1.578      | 1.578       | 0      |
| 301      | 0        | Correlation         | 1.535      | 1.534       | -0.001 |
| 302      | 0        | Correlation         | 1.55       | 1.549       | -0.001 |
| 303      | 3        | Bias                | 1.56       | 1.563       | 0.003  |
| 304      | 3        | Bias                | 1.528      | 1.528       | 0      |
| 305      | 3        | Bias                | 1.522      | 1.521       | -0.001 |
| 306      | 3        | Bias                | 1.537      | 1.538       | 0.001  |
| 307      | 3        | Bias                | 1.536      | 1.535       | -0.001 |
| 308      | 3        | Unbiased            | 1.546      | 1.545       | -0.001 |
| 309      | 3        | Unbiased            | 1.527      | 1.527       | 0      |
| 310      | 3        | Unbiased            | 1.534      | 1.535       | 0.001  |
| 311      | 3        | Unbiased            | 1.544      | 1.542       | -0.002 |
| 312      | 3        | Unbiased            | 1.551      | 1.553       | 0.002  |
| 313      | 10       | Bias                | 1.517      | 1.523       | 0.006  |
| 314      | 10       | Bias                | 1.537      | 1.534       | -0.003 |
| 315      | 10       | Bias                | 1.545      | 1.545       | 0      |
| 316      | 10       | Bias                | 1.53       | 1.529       | -0.001 |
| 317      | 10       | Bias                | 1.531      | 1.53        | -0.001 |
| 318      | 10       | Unbiased            | 1.549      | 1.547       | -0.002 |
| 319      | 10       | Unbiased            | 1.542      | 1.546       | 0.004  |
| 320      | 10       | Unbiased            | 1.525      | 1.54        | 0.015  |
| 321      | 10       | Unbiased            | 1.533      | 1.53        | -0.003 |
| 322      | 10       | Unbiased            | 1.555      | 1.554       | -0.001 |
| 323      | 30       | Bias                | 1.518      | 1.516       | -0.002 |
| 324      | 30       | Bias                | 1.513      | 1.513       | 0      |
| 325      | 30       | Bias                | 1.562      | 1.561       | -0.001 |
| 326      | 30       | Bias                | 1.539      | 1.538       | -0.001 |
| 327      | 30       | Bias                | 1.526      | 1.527       | 0.001  |
| 328      | 30       | Unbiased            | 1.554      | 1.558       | 0.004  |
| 329      | 30       | Unbiased            | 1.533      | 1.531       | -0.002 |
| 330      | 30       | Unbiased            | 1.554      | 1.555       | 0.001  |
| 331      | 30       | Unbiased            | 1.544      | 1.546       | 0.002  |
| 332      | 30       | Unbiased            | 1.556      | 1.556       | 0      |
| 333      | 50       | Bias                | 1.549      | 1.551       | 0.002  |
| 334      | 50       | Bias                | 1.528      | 1.526       | -0.002 |
| 335      | 50       | Bias                | 1.573      | 1.576       | 0.003  |
| 336      | 50       | Bias                | 1.53       | 1.528       | -0.002 |
| 337      | 50       | Bias                | 1.525      | 1.531       | 0.006  |
| 338      | 50       | Unbiased            | 1.53       | 1.537       | 0.007  |
| 339      | 50       | Unbiased            | 1.524      | 1.529       | 0.005  |
| 340      | 50       | Unbiased            | 1.542      | 1.55        | 0.008  |
| 341      | 50       | Unbiased            | 1.522      | 1.533       | 0.011  |
| 342      | 50       | Unbiased            | 1.563      | 1.563       | 0      |
| 343      | 100      | Bias                | 1.542      | 1.535       | -0.007 |
| 344      | 100      | Bias                | 1.505      | 1.499       | -0.006 |
| 345      | 100      | Bias                | 1.522      | 1.524       | 0.002  |
| 346      | 100      | Bias                | 1.529      | 1.54        | 0.011  |
| 347      | 100      | Bias                | 1.569      | 1.581       | 0.012  |
| 348      | 100      | Unbiased            | 1.511      | 1.515       | 0.004  |
| 349      | 100      | Unbiased            | 1.524      | 1.52        | -0.004 |
| 350      | 100      | Unbiased            | 1.553      | 1.558       | 0.005  |
| 351      | 100      | Unbiased            | 1.532      | 1.543       | 0.011  |
| 352      | 100      | Unbiased            | 1.548      | 1.555       | 0.007  |

Test Statistics (s)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|------------|
| 0        | 1.535            | 1.5543           | 1.578            | 0.021825         | 1.534             | 1.5537            | 1.578             | 0.022368          | -0.001    | -0.00066667 | 0         | 0.00057735 |
| 3        | 1.522            | 1.5385           | 1.56             | 0.011778         | 1.521             | 1.5387            | 1.563             | 0.012641          | -0.002    | 0.0002      | 0.003     | 0.0015492  |
| 10       | 1.517            | 1.5364           | 1.555            | 0.011539         | 1.523             | 1.5378            | 1.554             | 0.01002           | -0.003    | 0.0014      | 0.015     | 0.0056016  |
| 30       | 1.513            | 1.5399           | 1.562            | 0.017019         | 1.513             | 1.5401            | 1.561             | 0.017767          | -0.002    | 0.0002      | 0.004     | 0.0018738  |
| 50       | 1.522            | 1.5386           | 1.573            | 0.01774          | 1.526             | 1.5424            | 1.576             | 0.016959          | -0.002    | 0.0038      | 0.011     | 0.0043665  |
| 100      | 1.505            | 1.5335           | 1.569            | 0.019682         | 1.499             | 1.537             | 1.581             | 0.023889          | -0.007    | 0.0035      | 0.012     | 0.0071375  |

Device Test: 5.53 ; DLY\_TMR\_1MOHM



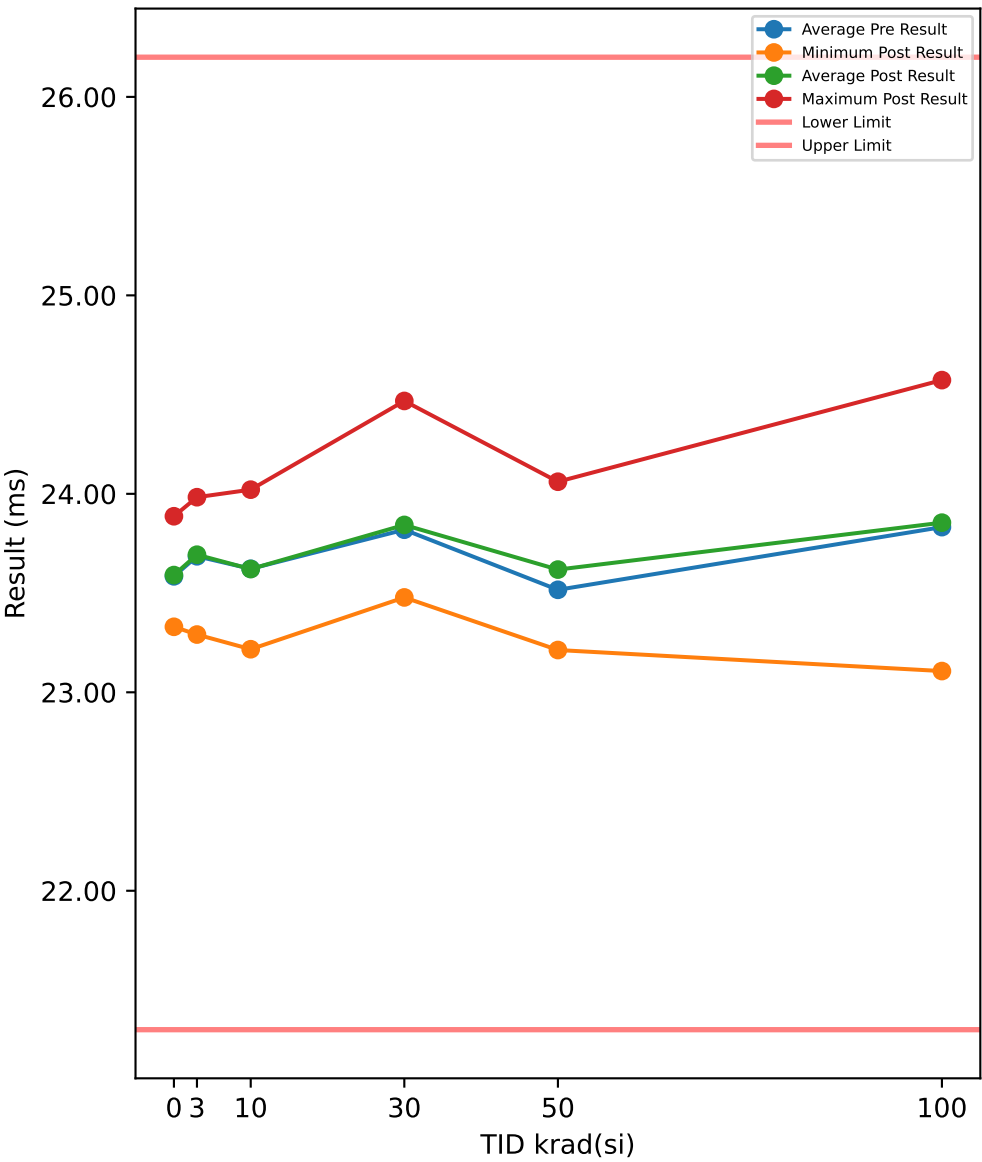
| Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms)) |          |                     |            |             |        |
|------------------------------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                                   | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                                        | 0        | Correlation         | 23.814     | 23.852      | 0.038  |
| 301                                                        | 0        | Correlation         | 23.461     | 23.435      | -0.026 |
| 302                                                        | 0        | Correlation         | 23.236     | 23.335      | 0.099  |
| 303                                                        | 3        | Bias                | 23.476     | 23.596      | 0.12   |
| 304                                                        | 3        | Bias                | 23.572     | 23.632      | 0.06   |
| 305                                                        | 3        | Bias                | 23.98      | 23.927      | -0.053 |
| 306                                                        | 3        | Bias                | 23.804     | 23.936      | 0.132  |
| 307                                                        | 3        | Bias                | 23.365     | 23.433      | 0.068  |
| 308                                                        | 3        | Unbiased            | 23.216     | 23.265      | 0.049  |
| 309                                                        | 3        | Unbiased            | 24.005     | 24.043      | 0.038  |
| 310                                                        | 3        | Unbiased            | 23.793     | 23.95       | 0.157  |
| 311                                                        | 3        | Unbiased            | 23.589     | 23.658      | 0.069  |
| 312                                                        | 3        | Unbiased            | 23.568     | 23.495      | -0.073 |
| 313                                                        | 10       | Bias                | 23.373     | 23.175      | -0.198 |
| 314                                                        | 10       | Bias                | 23.547     | 23.477      | -0.07  |
| 315                                                        | 10       | Bias                | 23.246     | 23.301      | 0.055  |
| 316                                                        | 10       | Bias                | 23.752     | 23.701      | -0.051 |
| 317                                                        | 10       | Bias                | 24.054     | 24.015      | -0.039 |
| 318                                                        | 10       | Unbiased            | 23.921     | 23.834      | -0.087 |
| 319                                                        | 10       | Unbiased            | 23.151     | 23.128      | -0.023 |
| 320                                                        | 10       | Unbiased            | 24.016     | 23.207      | -0.809 |
| 321                                                        | 10       | Unbiased            | 23.179     | 24.056      | 0.877  |
| 322                                                        | 10       | Unbiased            | 23.813     | 24.014      | 0.201  |
| 323                                                        | 30       | Bias                | 23.739     | 23.678      | -0.061 |
| 324                                                        | 30       | Bias                | 23.67      | 23.605      | -0.065 |
| 325                                                        | 30       | Bias                | 23.833     | 23.843      | 0.01   |
| 326                                                        | 30       | Bias                | 23.804     | 23.961      | 0.157  |
| 327                                                        | 30       | Bias                | 23.426     | 23.39       | -0.036 |
| 328                                                        | 30       | Unbiased            | 23.691     | 23.683      | -0.008 |
| 329                                                        | 30       | Unbiased            | 24.432     | 24.425      | -0.007 |
| 330                                                        | 30       | Unbiased            | 23.936     | 23.7        | -0.236 |
| 331                                                        | 30       | Unbiased            | 23.328     | 23.408      | 0.08   |
| 332                                                        | 30       | Unbiased            | 24.134     | 24.295      | 0.161  |
| 333                                                        | 50       | Bias                | 23.203     | 23.445      | 0.242  |
| 334                                                        | 50       | Bias                | 23.876     | 23.921      | 0.045  |
| 335                                                        | 50       | Bias                | 23.635     | 23.55       | -0.085 |
| 336                                                        | 50       | Bias                | 23.651     | 24.057      | 0.406  |
| 337                                                        | 50       | Bias                | 23.411     | 23.11       | -0.301 |
| 338                                                        | 50       | Unbiased            | 23.03      | 23.34       | 0.31   |
| 339                                                        | 50       | Unbiased            | 23.22      | 23.449      | 0.229  |
| 340                                                        | 50       | Unbiased            | 23.414     | 23.503      | 0.089  |
| 341                                                        | 50       | Unbiased            | 23.837     | 23.967      | 0.13   |
| 342                                                        | 50       | Unbiased            | 23.712     | 23.716      | 0.004  |
| 343                                                        | 100      | Bias                | 23.62      | 23.926      | 0.306  |
| 344                                                        | 100      | Bias                | 23.485     | 23.373      | -0.112 |
| 345                                                        | 100      | Bias                | 24.224     | 24.115      | -0.109 |
| 346                                                        | 100      | Bias                | 23.494     | 23.054      | -0.44  |
| 347                                                        | 100      | Bias                | 23.299     | 23.397      | 0.098  |
| 348                                                        | 100      | Unbiased            | 24.126     | 24.491      | 0.365  |
| 349                                                        | 100      | Unbiased            | 23.979     | 23.919      | -0.06  |
| 350                                                        | 100      | Unbiased            | 24.045     | 23.973      | -0.072 |
| 351                                                        | 100      | Unbiased            | 24.167     | 24.48       | 0.313  |
| 352                                                        | 100      | Unbiased            | 23.469     | 23.46       | -0.009 |

Test Statistics (ms)

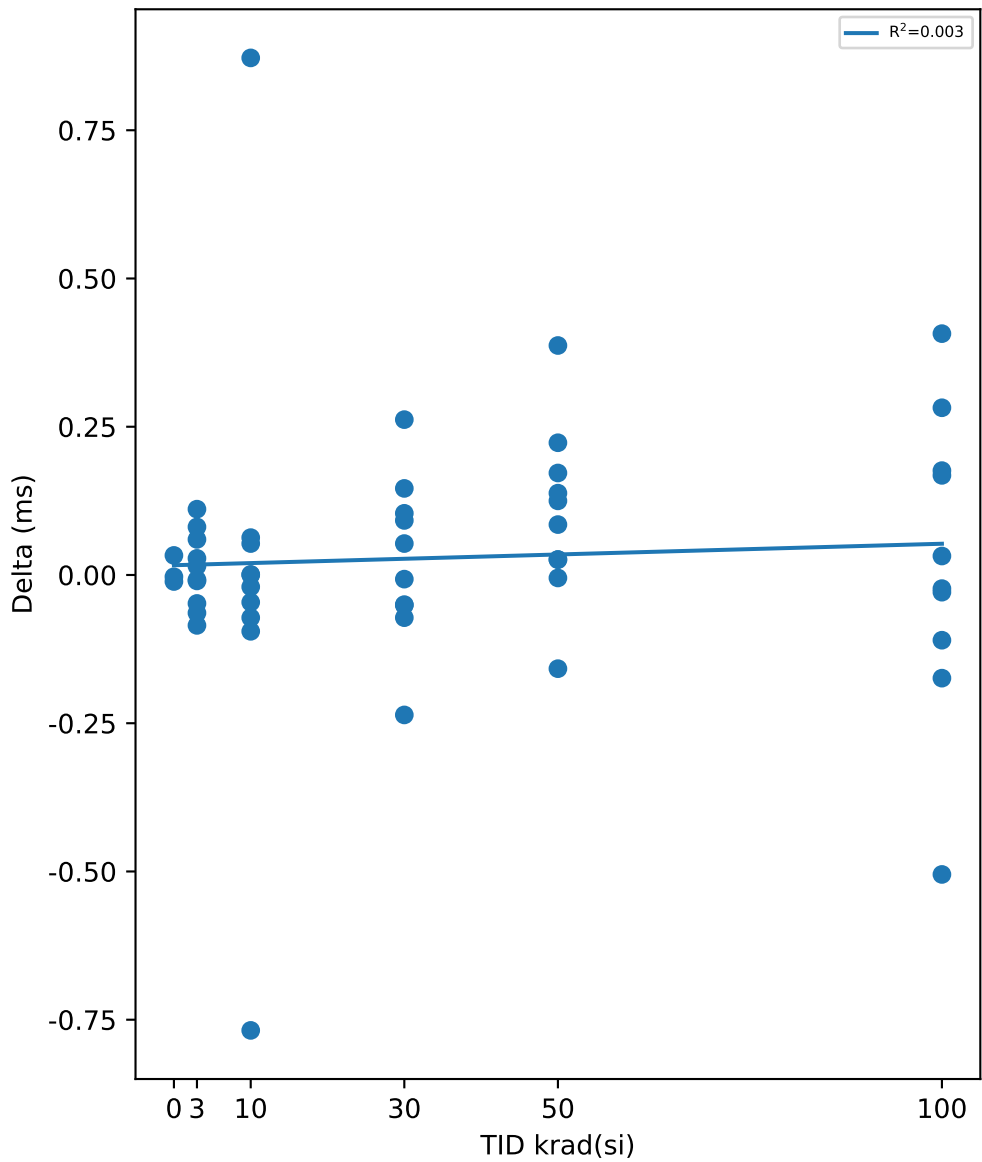
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 23.236           | 23.504           | 23.814           | 0.29135          | 23.335            | 23.541            | 23.852            | 0.27422           | -0.026    | 0.037     | 0.099     | 0.062506  |
| 3        | 23.216           | 23.637           | 24.005           | 0.25685          | 23.265            | 23.694            | 24.043            | 0.25964           | -0.073    | 0.0567    | 0.157     | 0.074006  |
| 10       | 23.151           | 23.605           | 24.054           | 0.35102          | 23.128            | 23.591            | 24.056            | 0.37684           | -0.809    | -0.0144   | 0.877     | 0.41113   |
| 30       | 23.328           | 23.799           | 24.432           | 0.32072          | 23.39             | 23.799            | 24.425            | 0.34347           | -0.236    | -0.0005   | 0.161     | 0.11648   |
| 50       | 23.03            | 23.499           | 23.876           | 0.28747          | 23.11             | 23.606            | 24.057            | 0.30297           | -0.301    | 0.1069    | 0.406     | 0.20612   |
| 100      | 23.299           | 23.791           | 24.224           | 0.34925          | 23.054            | 23.819            | 24.491            | 0.48447           | -0.44     | 0.028     | 0.365     | 0.24799   |

Device Test: 5.54 ; DLY\_TMR\_1MOHM

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

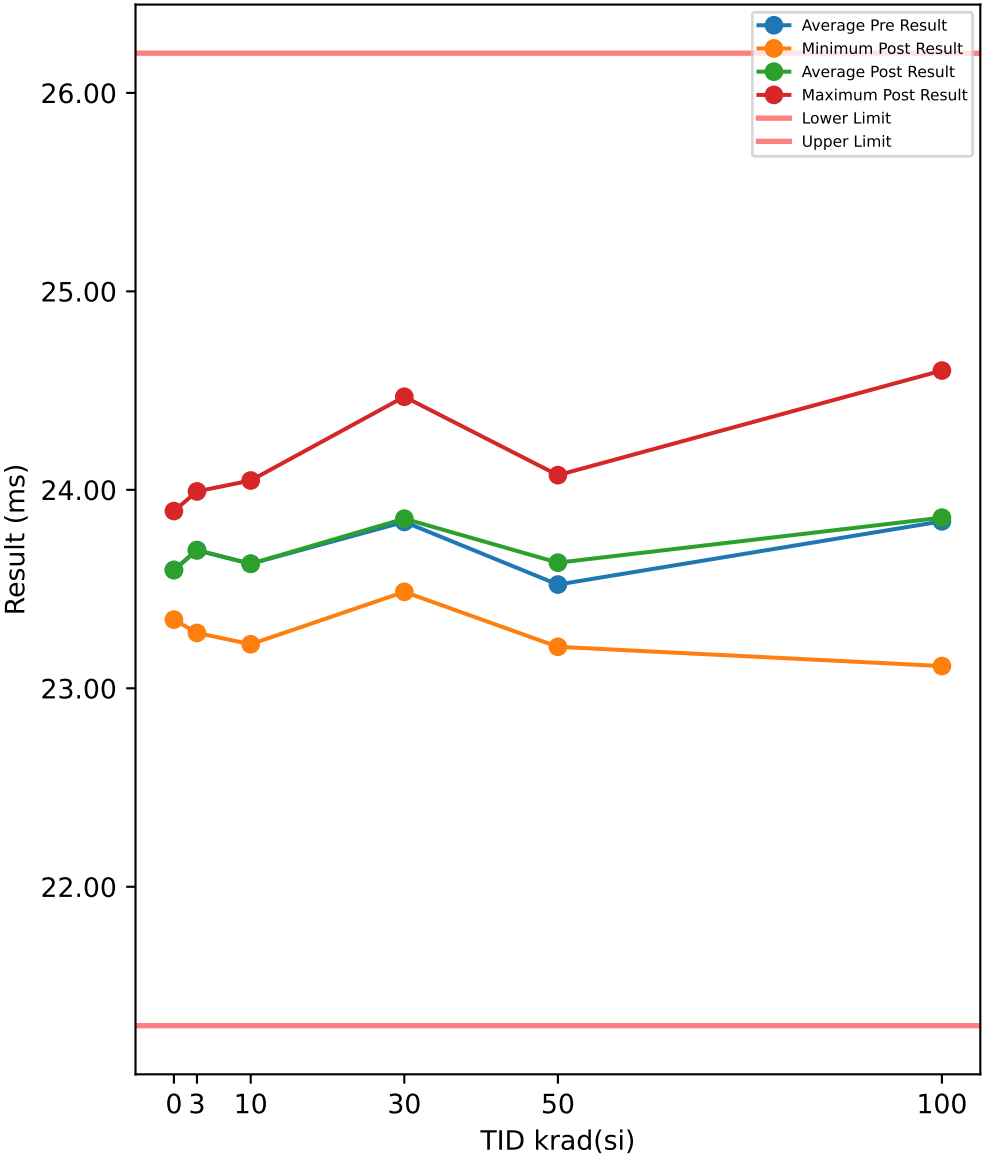
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 23.854     | 23.887      | 0.033  |
| 301      | 0        | Correlation         | 23.558     | 23.555      | -0.003 |
| 302      | 0        | Correlation         | 23.341     | 23.33       | -0.011 |
| 303      | 3        | Bias                | 23.559     | 23.574      | 0.015  |
| 304      | 3        | Bias                | 23.626     | 23.737      | 0.111  |
| 305      | 3        | Bias                | 23.953     | 23.905      | -0.048 |
| 306      | 3        | Bias                | 23.891     | 23.919      | 0.028  |
| 307      | 3        | Bias                | 23.428     | 23.364      | -0.064 |
| 308      | 3        | Unbiased            | 23.21      | 23.291      | 0.081  |
| 309      | 3        | Unbiased            | 24.068     | 23.983      | -0.085 |
| 310      | 3        | Unbiased            | 23.925     | 23.917      | -0.008 |
| 311      | 3        | Unbiased            | 23.576     | 23.636      | 0.06   |
| 312      | 3        | Unbiased            | 23.617     | 23.607      | -0.01  |
| 313      | 10       | Bias                | 23.307     | 23.261      | -0.046 |
| 314      | 10       | Bias                | 23.655     | 23.56       | -0.095 |
| 315      | 10       | Bias                | 23.247     | 23.248      | 0.001  |
| 316      | 10       | Bias                | 23.717     | 23.78       | 0.063  |
| 317      | 10       | Bias                | 23.999     | 23.999      | 0      |
| 318      | 10       | Unbiased            | 23.958     | 23.886      | -0.072 |
| 319      | 10       | Unbiased            | 23.237     | 23.217      | -0.02  |
| 320      | 10       | Unbiased            | 24.019     | 23.251      | -0.768 |
| 321      | 10       | Unbiased            | 23.149     | 24.021      | 0.872  |
| 322      | 10       | Unbiased            | 23.934     | 23.987      | 0.053  |
| 323      | 30       | Bias                | 23.767     | 23.695      | -0.072 |
| 324      | 30       | Bias                | 23.66      | 23.609      | -0.051 |
| 325      | 30       | Bias                | 23.852     | 23.905      | 0.053  |
| 326      | 30       | Bias                | 23.739     | 24.001      | 0.262  |
| 327      | 30       | Bias                | 23.386     | 23.478      | 0.092  |
| 328      | 30       | Unbiased            | 23.78      | 23.73       | -0.05  |
| 329      | 30       | Unbiased            | 24.475     | 24.468      | -0.007 |
| 330      | 30       | Unbiased            | 24.039     | 23.803      | -0.236 |
| 331      | 30       | Unbiased            | 23.357     | 23.503      | 0.146  |
| 332      | 30       | Unbiased            | 24.137     | 24.241      | 0.104  |
| 333      | 50       | Bias                | 23.264     | 23.389      | 0.125  |
| 334      | 50       | Bias                | 24.019     | 24.045      | 0.026  |
| 335      | 50       | Bias                | 23.577     | 23.572      | -0.005 |
| 336      | 50       | Bias                | 23.674     | 24.061      | 0.387  |
| 337      | 50       | Bias                | 23.371     | 23.213      | -0.158 |
| 338      | 50       | Unbiased            | 23.036     | 23.259      | 0.223  |
| 339      | 50       | Unbiased            | 23.233     | 23.405      | 0.172  |
| 340      | 50       | Unbiased            | 23.464     | 23.49       | 0.026  |
| 341      | 50       | Unbiased            | 23.841     | 23.979      | 0.138  |
| 342      | 50       | Unbiased            | 23.685     | 23.77       | 0.085  |
| 343      | 100      | Bias                | 23.7       | 23.868      | 0.168  |
| 344      | 100      | Bias                | 23.409     | 23.386      | -0.023 |
| 345      | 100      | Bias                | 24.384     | 24.274      | -0.11  |
| 346      | 100      | Bias                | 23.612     | 23.107      | -0.505 |
| 347      | 100      | Bias                | 23.202     | 23.378      | 0.176  |
| 348      | 100      | Unbiased            | 24.166     | 24.573      | 0.407  |
| 349      | 100      | Unbiased            | 24.127     | 23.953      | -0.174 |
| 350      | 100      | Unbiased            | 24.012     | 23.983      | -0.029 |
| 351      | 100      | Unbiased            | 24.218     | 24.5        | 0.282  |
| 352      | 100      | Unbiased            | 23.493     | 23.525      | 0.032  |

Test Statistics (ms)

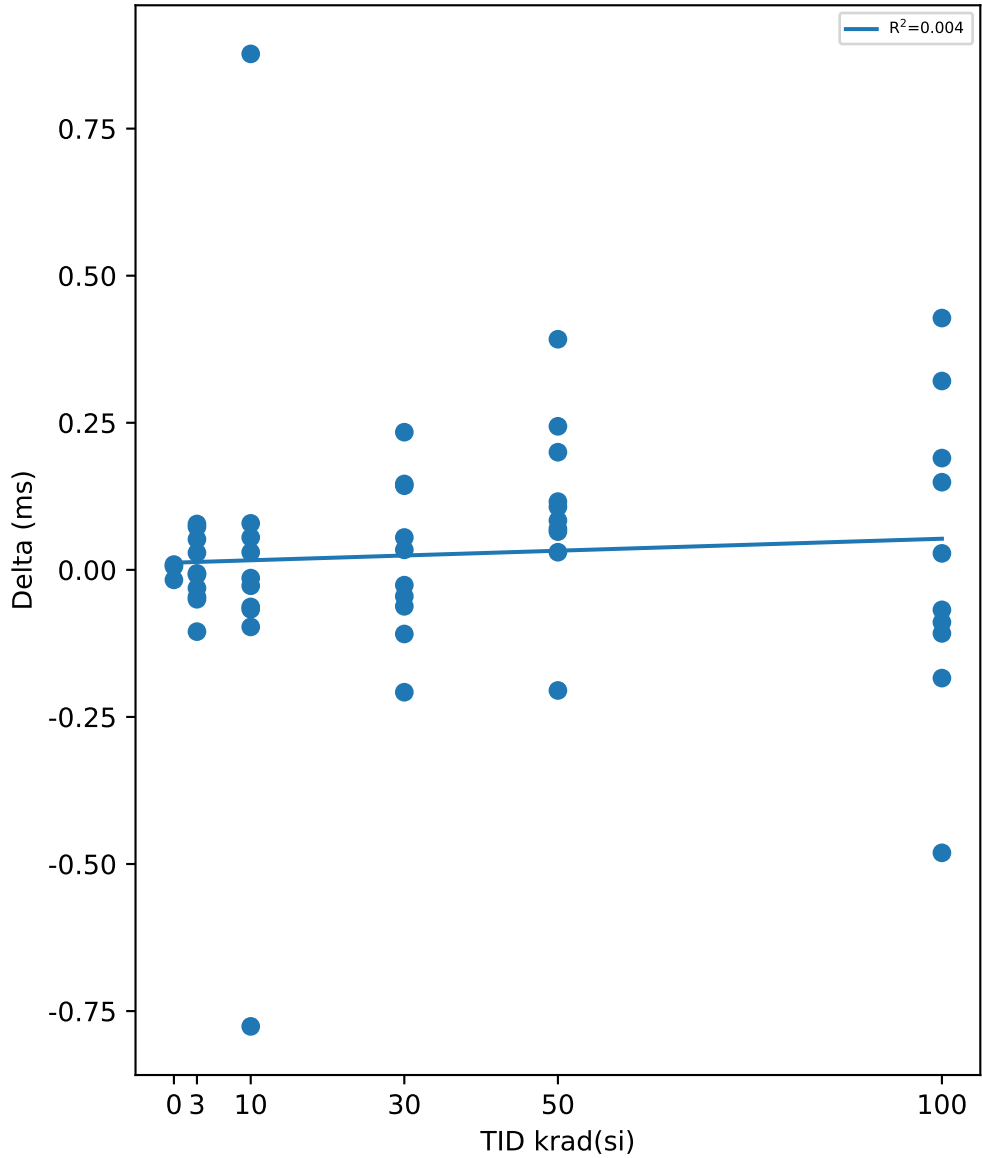
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 23.341           | 23.584           | 23.854           | 0.25751          | 23.33             | 23.591            | 23.887            | 0.28021           | -0.011    | 0.0063333 | 0.033     | 0.023438  |
| 3        | 23.21            | 23.685           | 24.068           | 0.26793          | 23.291            | 23.693            | 23.983            | 0.24196           | -0.085    | 0.008     | 0.111     | 0.063805  |
| 10       | 23.149           | 23.622           | 24.019           | 0.35464          | 23.217            | 23.621            | 24.021            | 0.35038           | -0.768    | -0.0012   | 0.872     | 0.39068   |
| 30       | 23.357           | 23.819           | 24.475           | 0.33628          | 23.478            | 23.843            | 24.468            | 0.31932           | -0.236    | 0.0241    | 0.262     | 0.13835   |
| 50       | 23.036           | 23.516           | 24.019           | 0.30067          | 23.213            | 23.618            | 24.061            | 0.32339           | -0.158    | 0.1019    | 0.387     | 0.14662   |
| 100      | 23.202           | 23.832           | 24.384           | 0.40017          | 23.107            | 23.855            | 24.573            | 0.49991           | -0.505    | 0.0224    | 0.407     | 0.25802   |

Device Test: 5.55 ; DLY\_TMR\_1MOHM

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

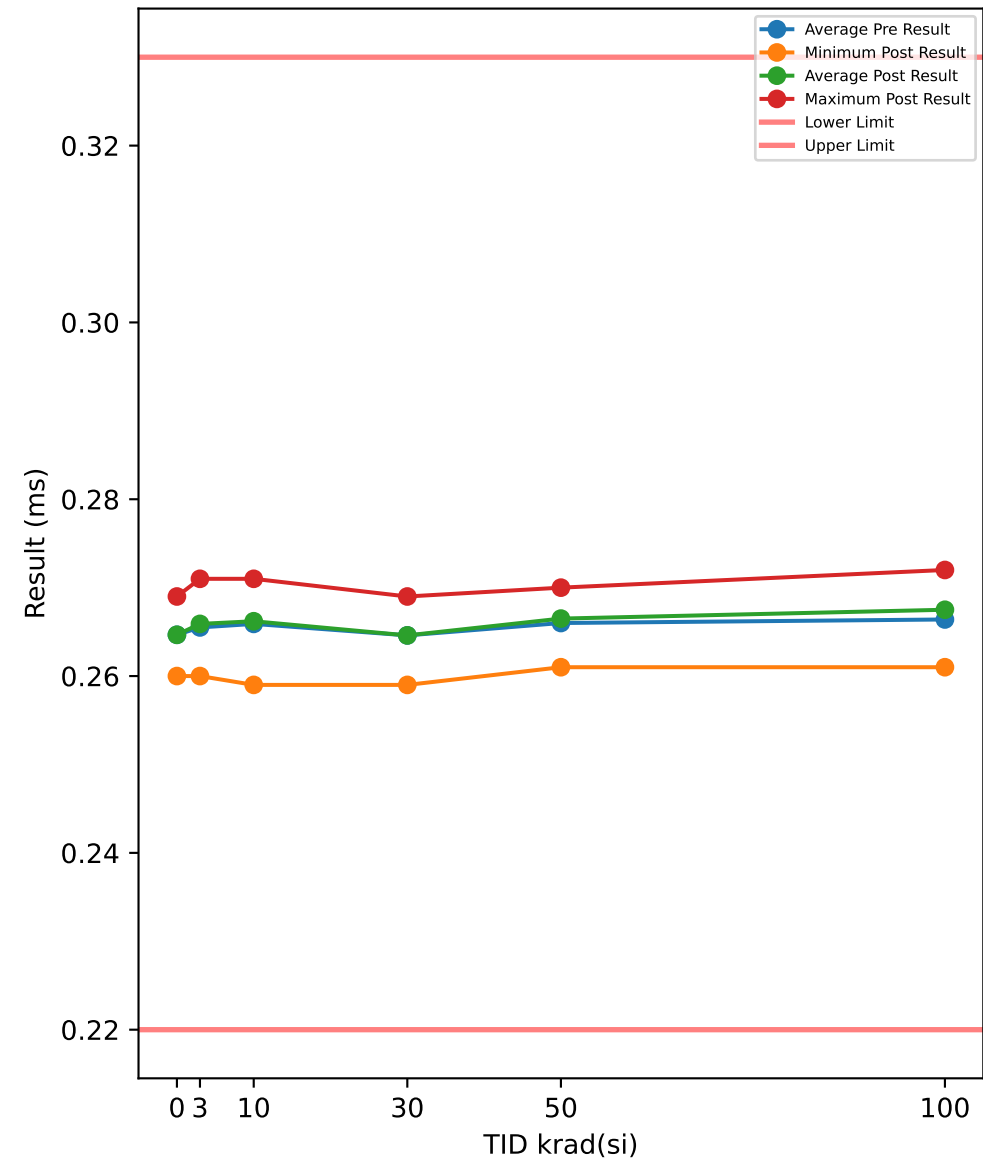
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 23.884     | 23.893      | 0.009  |
| 301      | 0        | Correlation         | 23.565     | 23.548      | -0.017 |
| 302      | 0        | Correlation         | 23.34      | 23.346      | 0.006  |
| 303      | 3        | Bias                | 23.577     | 23.546      | -0.031 |
| 304      | 3        | Bias                | 23.656     | 23.729      | 0.073  |
| 305      | 3        | Bias                | 23.975     | 23.929      | -0.046 |
| 306      | 3        | Bias                | 23.874     | 23.926      | 0.052  |
| 307      | 3        | Bias                | 23.434     | 23.384      | -0.05  |
| 308      | 3        | Unbiased            | 23.201     | 23.279      | 0.078  |
| 309      | 3        | Unbiased            | 24.097     | 23.992      | -0.105 |
| 310      | 3        | Unbiased            | 23.935     | 23.927      | -0.008 |
| 311      | 3        | Unbiased            | 23.596     | 23.625      | 0.029  |
| 312      | 3        | Unbiased            | 23.619     | 23.613      | -0.006 |
| 313      | 10       | Bias                | 23.313     | 23.246      | -0.067 |
| 314      | 10       | Bias                | 23.665     | 23.568      | -0.097 |
| 315      | 10       | Bias                | 23.212     | 23.242      | 0.03   |
| 316      | 10       | Bias                | 23.707     | 23.786      | 0.079  |
| 317      | 10       | Bias                | 24.021     | 24.007      | -0.014 |
| 318      | 10       | Unbiased            | 23.953     | 23.89       | -0.063 |
| 319      | 10       | Unbiased            | 23.249     | 23.222      | -0.027 |
| 320      | 10       | Unbiased            | 24.045     | 23.269      | -0.776 |
| 321      | 10       | Unbiased            | 23.17      | 24.047      | 0.877  |
| 322      | 10       | Unbiased            | 23.94      | 23.995      | 0.055  |
| 323      | 30       | Bias                | 23.814     | 23.705      | -0.109 |
| 324      | 30       | Bias                | 23.666     | 23.604      | -0.062 |
| 325      | 30       | Bias                | 23.883     | 23.917      | 0.034  |
| 326      | 30       | Bias                | 23.77      | 24.004      | 0.234  |
| 327      | 30       | Bias                | 23.431     | 23.486      | 0.055  |
| 328      | 30       | Unbiased            | 23.782     | 23.737      | -0.045 |
| 329      | 30       | Unbiased            | 24.495     | 24.469      | -0.026 |
| 330      | 30       | Unbiased            | 24.032     | 23.824      | -0.208 |
| 331      | 30       | Unbiased            | 23.368     | 23.511      | 0.143  |
| 332      | 30       | Unbiased            | 24.144     | 24.29       | 0.146  |
| 333      | 50       | Bias                | 23.289     | 23.405      | 0.116  |
| 334      | 50       | Bias                | 23.988     | 24.053      | 0.065  |
| 335      | 50       | Bias                | 23.576     | 23.606      | 0.03   |
| 336      | 50       | Bias                | 23.682     | 24.074      | 0.392  |
| 337      | 50       | Bias                | 23.414     | 23.209      | -0.205 |
| 338      | 50       | Unbiased            | 23.059     | 23.303      | 0.244  |
| 339      | 50       | Unbiased            | 23.211     | 23.411      | 0.2    |
| 340      | 50       | Unbiased            | 23.436     | 23.506      | 0.07   |
| 341      | 50       | Unbiased            | 23.878     | 23.985      | 0.107  |
| 342      | 50       | Unbiased            | 23.694     | 23.778      | 0.084  |
| 343      | 100      | Bias                | 23.707     | 23.897      | 0.19   |
| 344      | 100      | Bias                | 23.435     | 23.367      | -0.068 |
| 345      | 100      | Bias                | 24.384     | 24.276      | -0.108 |
| 346      | 100      | Bias                | 23.593     | 23.112      | -0.481 |
| 347      | 100      | Bias                | 23.237     | 23.386      | 0.149  |
| 348      | 100      | Unbiased            | 24.173     | 24.601      | 0.428  |
| 349      | 100      | Unbiased            | 24.123     | 23.939      | -0.184 |
| 350      | 100      | Unbiased            | 24.053     | 23.964      | -0.089 |
| 351      | 100      | Unbiased            | 24.2       | 24.521      | 0.321  |
| 352      | 100      | Unbiased            | 23.508     | 23.536      | 0.028  |

Test Statistics (ms)

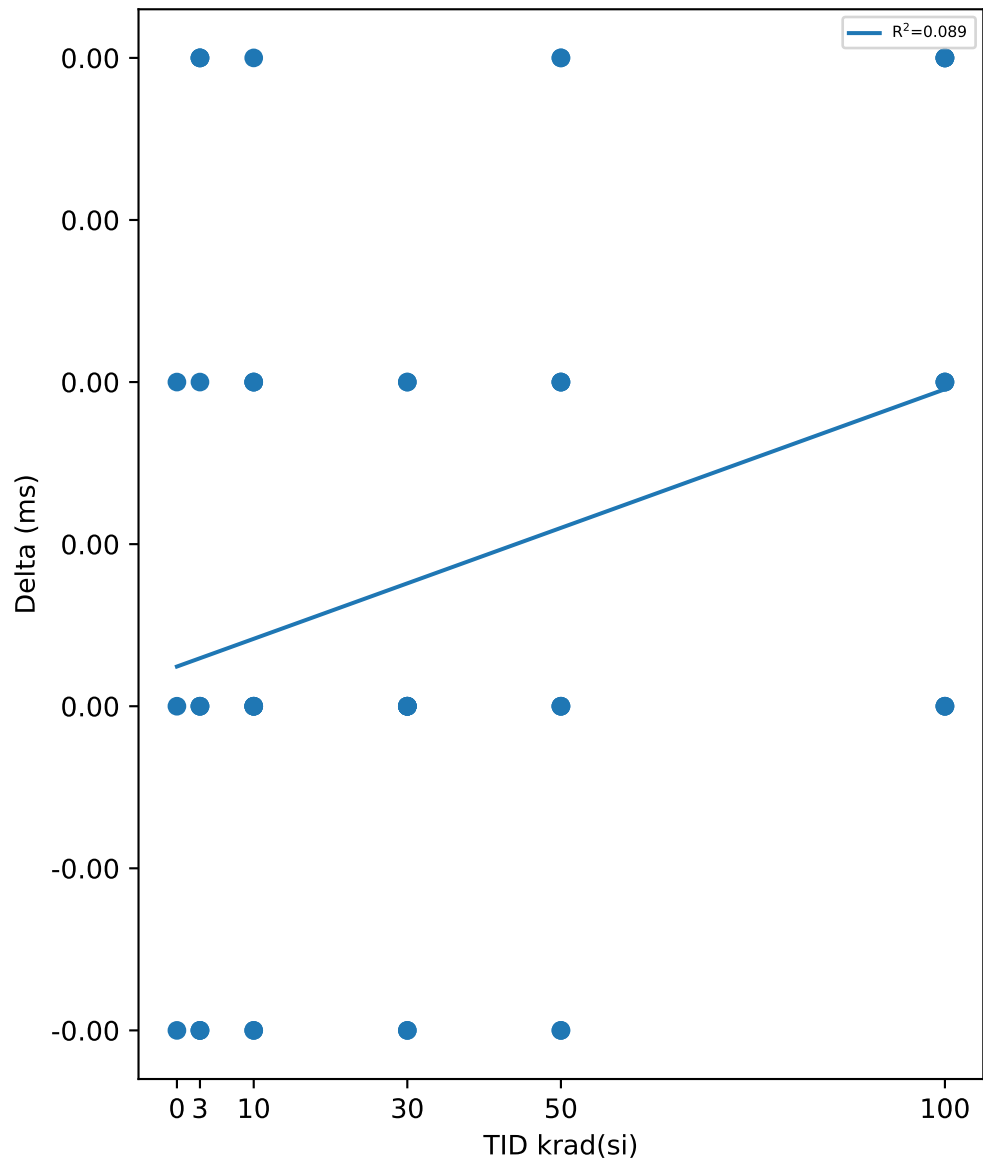
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|-----------|
| 0        | 23.34            | 23.596           | 23.884           | 0.27335          | 23.346            | 23.596            | 23.893            | 0.2766            | -0.017    | -0.00066667 | 0.009     | 0.014224  |
| 3        | 23.201           | 23.696           | 24.097           | 0.27342          | 23.279            | 23.695            | 23.992            | 0.24831           | -0.105    | -0.0014     | 0.078     | 0.059292  |
| 10       | 23.17            | 23.628           | 24.045           | 0.35972          | 23.222            | 23.627            | 24.047            | 0.35586           | -0.776    | -0.0003     | 0.877     | 0.39444   |
| 30       | 23.368           | 23.838           | 24.495           | 0.33156          | 23.486            | 23.855            | 24.469            | 0.32441           | -0.208    | 0.0162      | 0.234     | 0.13324   |
| 50       | 23.059           | 23.523           | 23.988           | 0.2956           | 23.209            | 23.633            | 24.074            | 0.32018           | -0.205    | 0.1103      | 0.392     | 0.15476   |
| 100      | 23.237           | 23.841           | 24.384           | 0.39135          | 23.112            | 23.86             | 24.601            | 0.50659           | -0.481    | 0.0186      | 0.428     | 0.26484   |



TID vs Result Stats



TID vs Post - Pre Exposure Delta



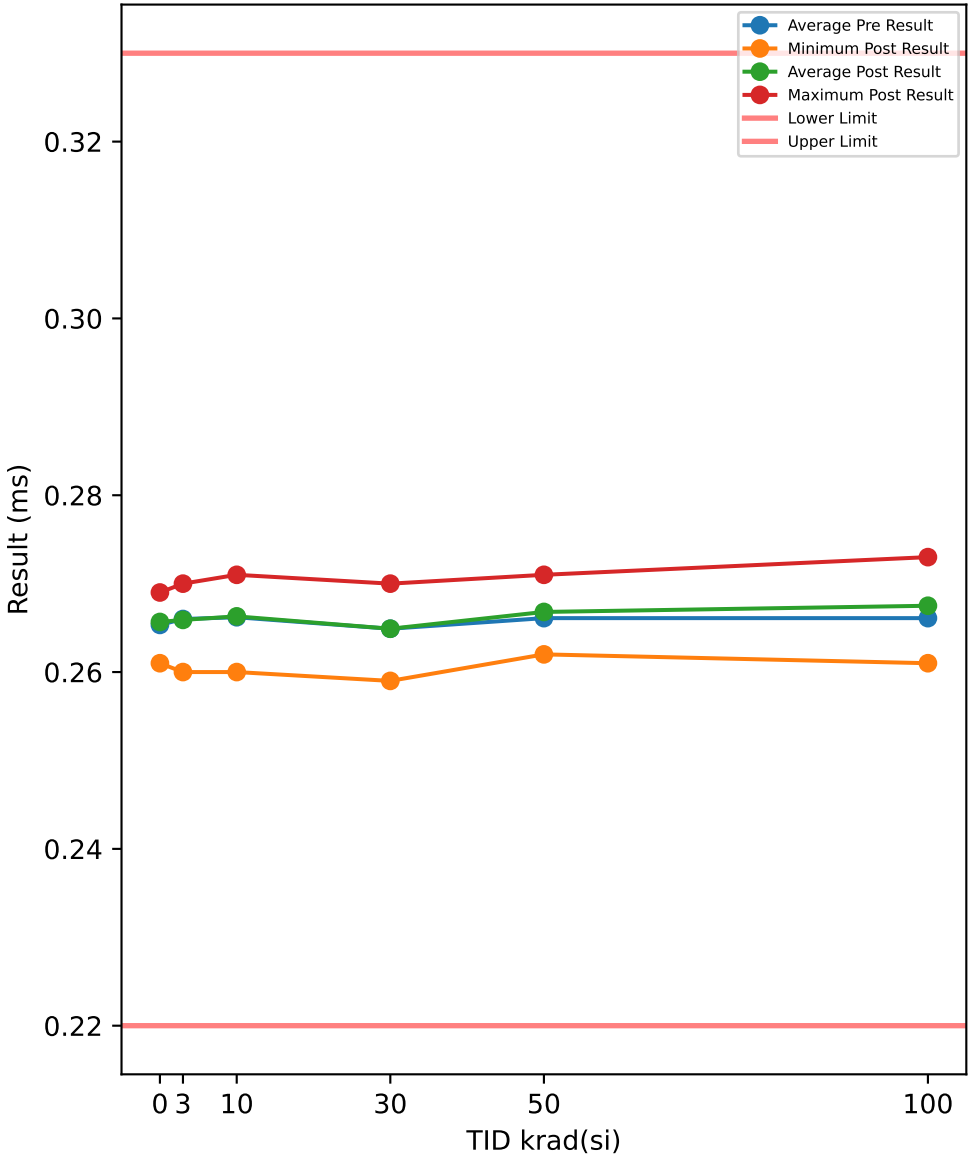
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.268      | 0.269       | 0.001  |
| 301      | 0        | Correlation         | 0.266      | 0.265       | -0.001 |
| 302      | 0        | Correlation         | 0.26       | 0.26        | 0      |
| 303      | 3        | Bias                | 0.262      | 0.261       | -0.001 |
| 304      | 3        | Bias                | 0.26       | 0.26        | 0      |
| 305      | 3        | Bias                | 0.269      | 0.269       | 0      |
| 306      | 3        | Bias                | 0.267      | 0.268       | 0.001  |
| 307      | 3        | Bias                | 0.269      | 0.268       | -0.001 |
| 308      | 3        | Unbiased            | 0.268      | 0.267       | -0.001 |
| 309      | 3        | Unbiased            | 0.269      | 0.271       | 0.002  |
| 310      | 3        | Unbiased            | 0.269      | 0.271       | 0.002  |
| 311      | 3        | Unbiased            | 0.262      | 0.262       | 0      |
| 312      | 3        | Unbiased            | 0.26       | 0.262       | 0.002  |
| 313      | 10       | Bias                | 0.26       | 0.261       | 0.001  |
| 314      | 10       | Bias                | 0.26       | 0.259       | -0.001 |
| 315      | 10       | Bias                | 0.262      | 0.261       | -0.001 |
| 316      | 10       | Bias                | 0.268      | 0.268       | 0      |
| 317      | 10       | Bias                | 0.269      | 0.27        | 0.001  |
| 318      | 10       | Unbiased            | 0.271      | 0.271       | 0      |
| 319      | 10       | Unbiased            | 0.261      | 0.261       | 0      |
| 320      | 10       | Unbiased            | 0.269      | 0.27        | 0.001  |
| 321      | 10       | Unbiased            | 0.268      | 0.27        | 0.002  |
| 322      | 10       | Unbiased            | 0.271      | 0.271       | 0      |
| 323      | 30       | Bias                | 0.262      | 0.262       | 0      |
| 324      | 30       | Bias                | 0.261      | 0.262       | 0.001  |
| 325      | 30       | Bias                | 0.268      | 0.269       | 0.001  |
| 326      | 30       | Bias                | 0.267      | 0.267       | 0      |
| 327      | 30       | Bias                | 0.259      | 0.259       | 0      |
| 328      | 30       | Unbiased            | 0.269      | 0.268       | -0.001 |
| 329      | 30       | Unbiased            | 0.263      | 0.263       | 0      |
| 330      | 30       | Unbiased            | 0.259      | 0.259       | 0      |
| 331      | 30       | Unbiased            | 0.27       | 0.269       | -0.001 |
| 332      | 30       | Unbiased            | 0.268      | 0.268       | 0      |
| 333      | 50       | Bias                | 0.267      | 0.268       | 0.001  |
| 334      | 50       | Bias                | 0.268      | 0.269       | 0.001  |
| 335      | 50       | Bias                | 0.261      | 0.261       | 0      |
| 336      | 50       | Bias                | 0.268      | 0.27        | 0.002  |
| 337      | 50       | Bias                | 0.261      | 0.261       | 0      |
| 338      | 50       | Unbiased            | 0.267      | 0.266       | -0.001 |
| 339      | 50       | Unbiased            | 0.266      | 0.267       | 0.001  |
| 340      | 50       | Unbiased            | 0.269      | 0.269       | 0      |
| 341      | 50       | Unbiased            | 0.27       | 0.269       | -0.001 |
| 342      | 50       | Unbiased            | 0.263      | 0.265       | 0.002  |
| 343      | 100      | Bias                | 0.269      | 0.27        | 0.001  |
| 344      | 100      | Bias                | 0.267      | 0.269       | 0.002  |
| 345      | 100      | Bias                | 0.263      | 0.263       | 0      |
| 346      | 100      | Bias                | 0.262      | 0.264       | 0.002  |
| 347      | 100      | Bias                | 0.263      | 0.264       | 0.001  |
| 348      | 100      | Unbiased            | 0.272      | 0.272       | 0      |
| 349      | 100      | Unbiased            | 0.261      | 0.261       | 0      |
| 350      | 100      | Unbiased            | 0.27       | 0.272       | 0.002  |
| 351      | 100      | Unbiased            | 0.27       | 0.271       | 0.001  |
| 352      | 100      | Unbiased            | 0.267      | 0.269       | 0.002  |

Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| 0        | 0.26             | 0.26467          | 0.268            | 0.0041633        | 0.26              | 0.26467           | 0.269             | 0.0045092         | -0.001    | 0         | 0.001     | 0.001      |
| 3        | 0.26             | 0.2655           | 0.269            | 0.0039791        | 0.26              | 0.2659            | 0.271             | 0.0042282         | -0.001    | 0.0004    | 0.002     | 0.0012649  |
| 10       | 0.26             | 0.2659           | 0.271            | 0.0045814        | 0.259             | 0.2662            | 0.271             | 0.0050067         | -0.001    | 0.0003    | 0.002     | 0.00094868 |
| 30       | 0.259            | 0.2646           | 0.27             | 0.0042479        | 0.259             | 0.2646            | 0.269             | 0.0040332         | -0.001    | 0         | 0.001     | 0.00066667 |
| 50       | 0.261            | 0.266            | 0.27             | 0.0032318        | 0.261             | 0.2665            | 0.27              | 0.0032745         | -0.001    | 0.0005    | 0.002     | 0.0010801  |
| 100      | 0.261            | 0.2664           | 0.272            | 0.003893         | 0.261             | 0.2675            | 0.272             | 0.0040893         | 0         | 0.0011    | 0.002     | 0.0008756  |

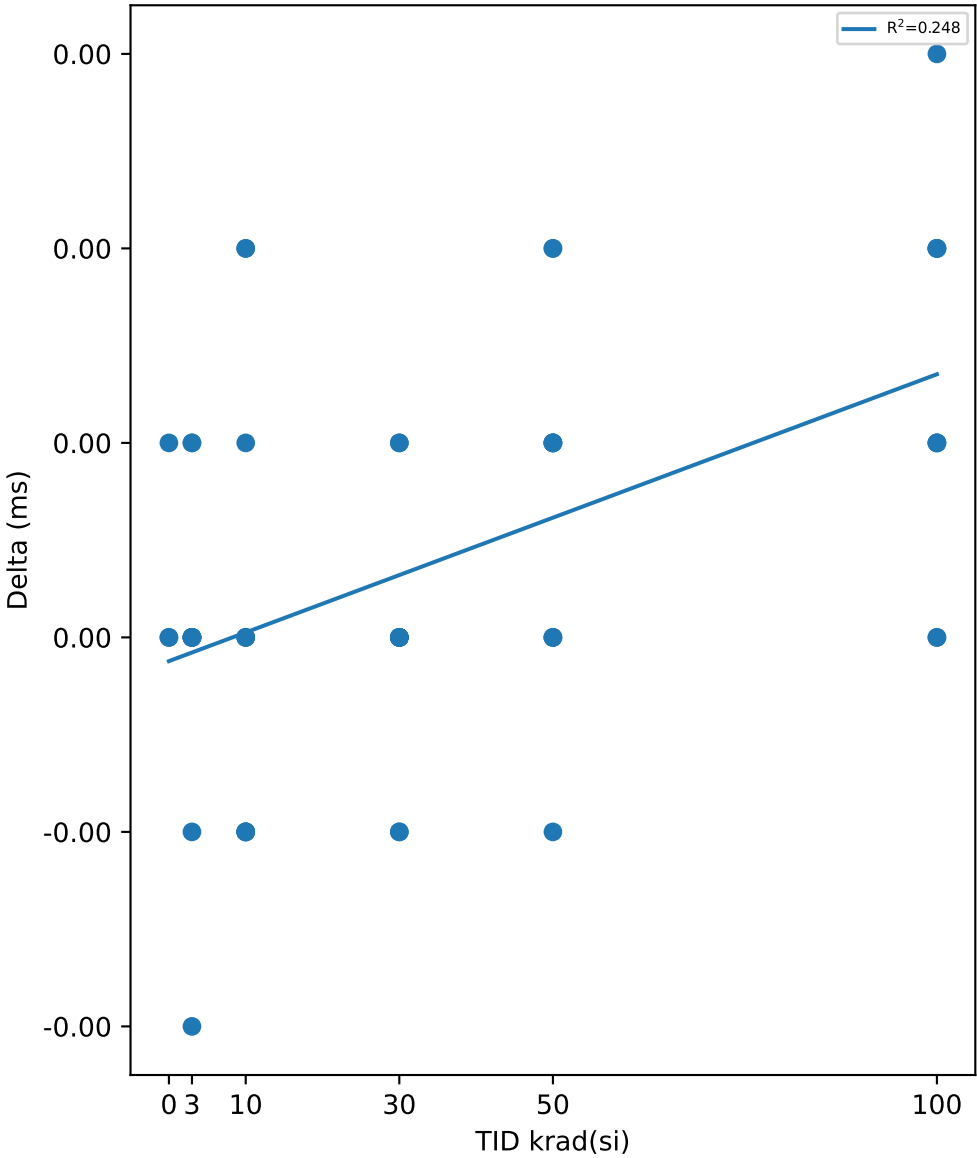
TID vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.268      | 0.269       | 0.001  |
| 301      | 0        | Correlation         | 0.267      | 0.267       | 0      |
| 302      | 0        | Correlation         | 0.261      | 0.261       | 0      |
| 303      | 3        | Bias                | 0.263      | 0.261       | -0.002 |
| 304      | 3        | Bias                | 0.259      | 0.26        | 0.001  |
| 305      | 3        | Bias                | 0.27       | 0.27        | 0      |
| 306      | 3        | Bias                | 0.268      | 0.268       | 0      |
| 307      | 3        | Bias                | 0.269      | 0.27        | 0.001  |
| 308      | 3        | Unbiased            | 0.269      | 0.268       | -0.001 |
| 309      | 3        | Unbiased            | 0.27       | 0.27        | 0      |
| 310      | 3        | Unbiased            | 0.27       | 0.27        | 0      |
| 311      | 3        | Unbiased            | 0.261      | 0.261       | 0      |
| 312      | 3        | Unbiased            | 0.261      | 0.261       | 0      |
| 313      | 10       | Bias                | 0.261      | 0.261       | 0      |
| 314      | 10       | Bias                | 0.26       | 0.26        | 0      |
| 315      | 10       | Bias                | 0.261      | 0.261       | 0      |
| 316      | 10       | Bias                | 0.267      | 0.269       | 0.002  |
| 317      | 10       | Bias                | 0.27       | 0.269       | -0.001 |
| 318      | 10       | Unbiased            | 0.272      | 0.271       | -0.001 |
| 319      | 10       | Unbiased            | 0.262      | 0.261       | -0.001 |
| 320      | 10       | Unbiased            | 0.269      | 0.27        | 0.001  |
| 321      | 10       | Unbiased            | 0.269      | 0.271       | 0.002  |
| 322      | 10       | Unbiased            | 0.271      | 0.27        | -0.001 |
| 323      | 30       | Bias                | 0.262      | 0.262       | 0      |
| 324      | 30       | Bias                | 0.261      | 0.262       | 0.001  |
| 325      | 30       | Bias                | 0.269      | 0.27        | 0.001  |
| 326      | 30       | Bias                | 0.267      | 0.267       | 0      |
| 327      | 30       | Bias                | 0.259      | 0.259       | 0      |
| 328      | 30       | Unbiased            | 0.269      | 0.269       | 0      |
| 329      | 30       | Unbiased            | 0.263      | 0.262       | -0.001 |
| 330      | 30       | Unbiased            | 0.26       | 0.259       | -0.001 |
| 331      | 30       | Unbiased            | 0.27       | 0.27        | 0      |
| 332      | 30       | Unbiased            | 0.269      | 0.269       | 0      |
| 333      | 50       | Bias                | 0.267      | 0.268       | 0.001  |
| 334      | 50       | Bias                | 0.269      | 0.269       | 0      |
| 335      | 50       | Bias                | 0.261      | 0.262       | 0.001  |
| 336      | 50       | Bias                | 0.27       | 0.271       | 0.001  |
| 337      | 50       | Bias                | 0.261      | 0.262       | 0.001  |
| 338      | 50       | Unbiased            | 0.267      | 0.267       | 0      |
| 339      | 50       | Unbiased            | 0.265      | 0.267       | 0.002  |
| 340      | 50       | Unbiased            | 0.269      | 0.269       | 0      |
| 341      | 50       | Unbiased            | 0.27       | 0.269       | -0.001 |
| 342      | 50       | Unbiased            | 0.262      | 0.264       | 0.002  |
| 343      | 100      | Bias                | 0.268      | 0.27        | 0.002  |
| 344      | 100      | Bias                | 0.268      | 0.268       | 0      |
| 345      | 100      | Bias                | 0.262      | 0.264       | 0.002  |
| 346      | 100      | Bias                | 0.262      | 0.263       | 0.001  |
| 347      | 100      | Bias                | 0.262      | 0.264       | 0.002  |
| 348      | 100      | Unbiased            | 0.27       | 0.273       | 0.003  |
| 349      | 100      | Unbiased            | 0.261      | 0.261       | 0      |
| 350      | 100      | Unbiased            | 0.271      | 0.272       | 0.001  |
| 351      | 100      | Unbiased            | 0.27       | 0.271       | 0.001  |
| 352      | 100      | Unbiased            | 0.267      | 0.269       | 0.002  |

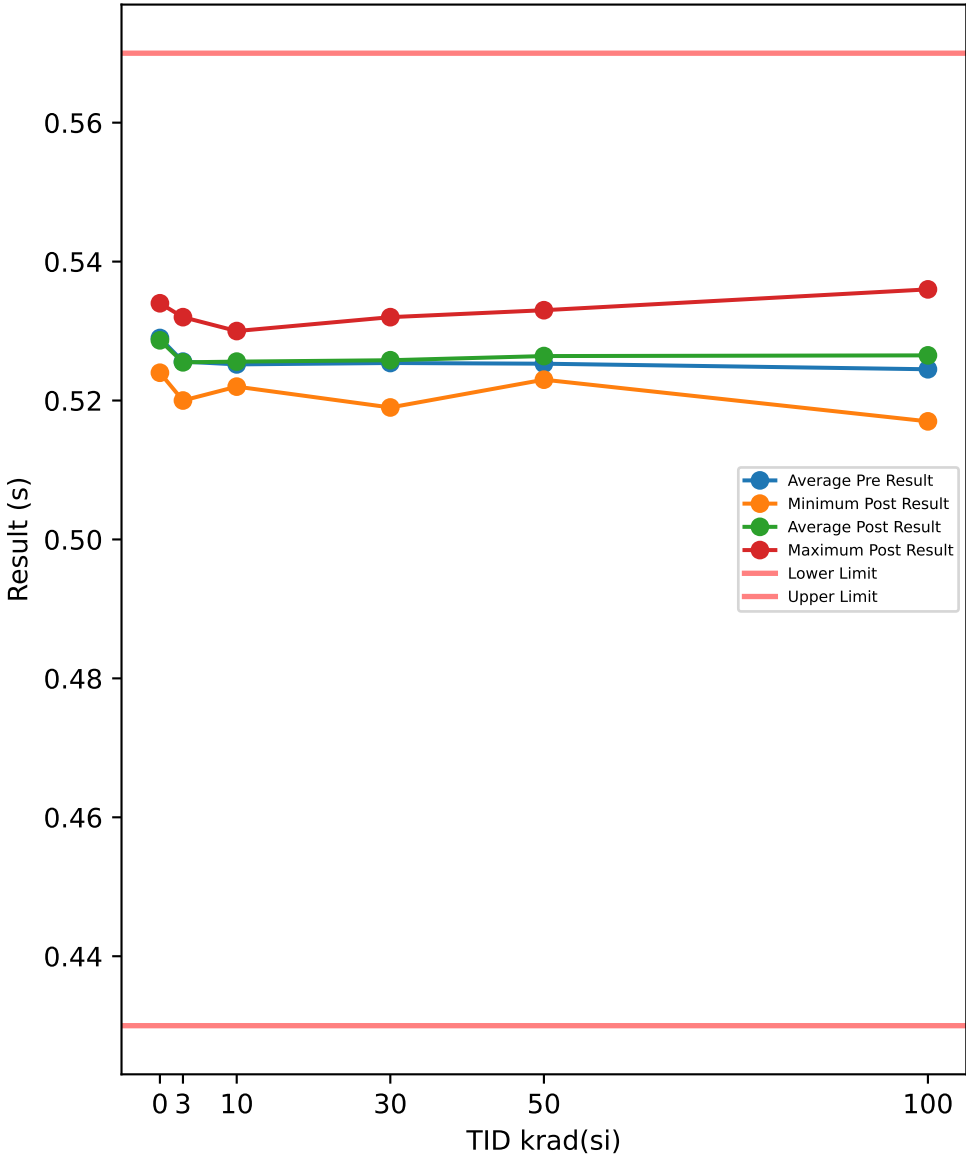
TID vs Post - Pre Exposure Delta



Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|------------|
| 0        | 0.261            | 0.26533          | 0.268            | 0.0037859        | 0.261             | 0.26567           | 0.269             | 0.0041633         | 0         | 0.00033333 | 0.001     | 0.00057735 |
| 3        | 0.259            | 0.266            | 0.27             | 0.0044472        | 0.26              | 0.2659            | 0.27              | 0.004508          | -0.002    | -0.0001    | 0.001     | 0.0008756  |
| 10       | 0.26             | 0.2662           | 0.272            | 0.0046857        | 0.26              | 0.2663            | 0.271             | 0.0048316         | -0.001    | 0.0001     | 0.002     | 0.0011972  |
| 30       | 0.259            | 0.2649           | 0.27             | 0.0043063        | 0.259             | 0.2649            | 0.27              | 0.0045326         | -0.001    | 0          | 0.001     | 0.00066667 |
| 50       | 0.261            | 0.2661           | 0.27             | 0.0036347        | 0.262             | 0.2668            | 0.271             | 0.0031198         | -0.001    | 0.0007     | 0.002     | 0.00094868 |
| 100      | 0.261            | 0.2661           | 0.271            | 0.0039285        | 0.261             | 0.2675            | 0.273             | 0.0041966         | 0         | 0.0014     | 0.003     | 0.00096609 |

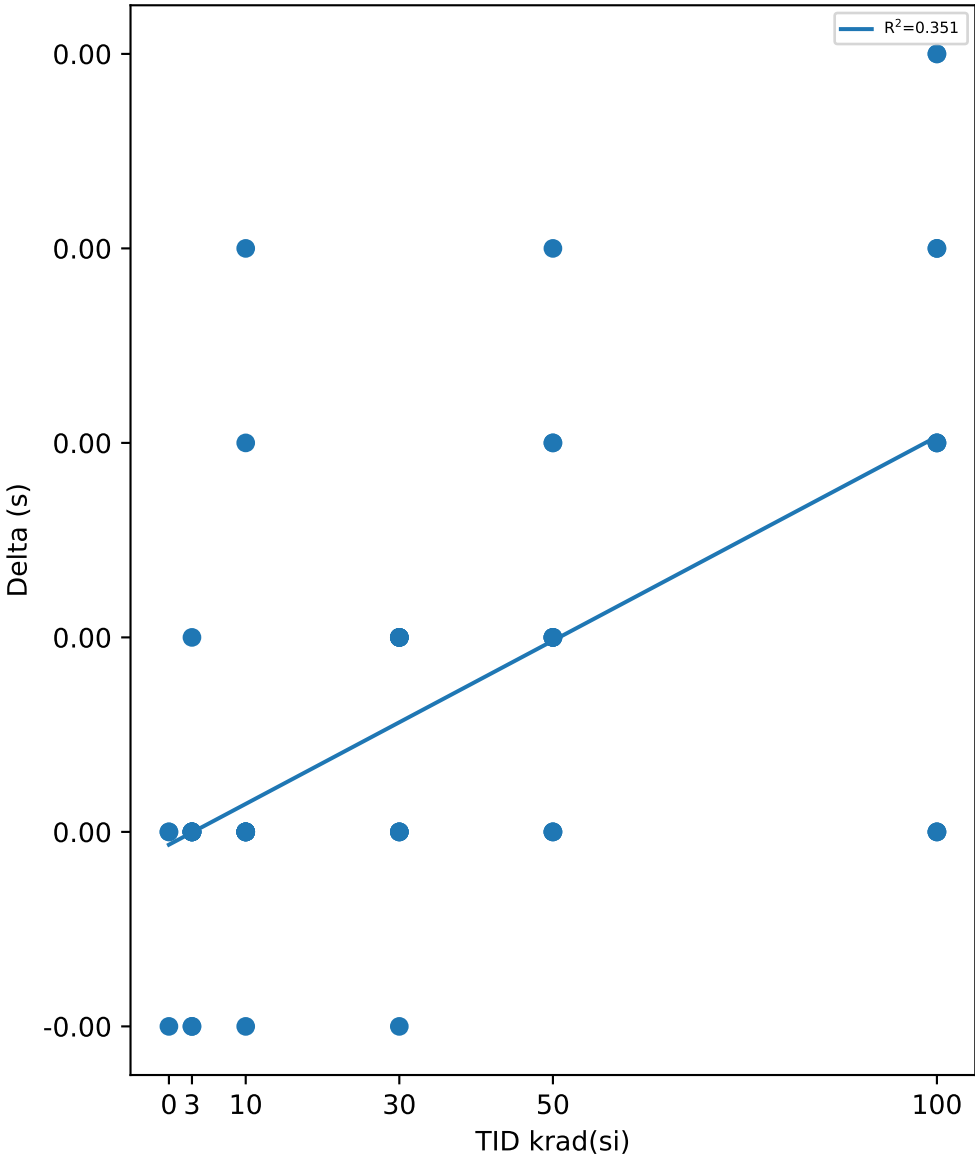
TID vs Result Stats



Test Results (Lower Limit = 0.43, Upper Limit = 0.57 (s))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.534      | 0.534       | 0      |
| 301      | 0        | Correlation         | 0.525      | 0.524       | -0.001 |
| 302      | 0        | Correlation         | 0.528      | 0.528       | 0      |
| 303      | 3        | Bias                | 0.531      | 0.532       | 0.001  |
| 304      | 3        | Bias                | 0.524      | 0.524       | 0      |
| 305      | 3        | Bias                | 0.521      | 0.52        | -0.001 |
| 306      | 3        | Bias                | 0.526      | 0.526       | 0      |
| 307      | 3        | Bias                | 0.524      | 0.524       | 0      |
| 308      | 3        | Unbiased            | 0.529      | 0.528       | -0.001 |
| 309      | 3        | Unbiased            | 0.524      | 0.524       | 0      |
| 310      | 3        | Unbiased            | 0.525      | 0.525       | 0      |
| 311      | 3        | Unbiased            | 0.526      | 0.526       | 0      |
| 312      | 3        | Unbiased            | 0.526      | 0.526       | 0      |
| 313      | 10       | Bias                | 0.52       | 0.522       | 0.002  |
| 314      | 10       | Bias                | 0.526      | 0.526       | 0      |
| 315      | 10       | Bias                | 0.528      | 0.528       | 0      |
| 316      | 10       | Bias                | 0.524      | 0.524       | 0      |
| 317      | 10       | Bias                | 0.523      | 0.523       | 0      |
| 318      | 10       | Unbiased            | 0.527      | 0.527       | 0      |
| 319      | 10       | Unbiased            | 0.526      | 0.526       | 0      |
| 320      | 10       | Unbiased            | 0.523      | 0.526       | 0.003  |
| 321      | 10       | Unbiased            | 0.524      | 0.524       | 0      |
| 322      | 10       | Unbiased            | 0.531      | 0.53        | -0.001 |
| 323      | 30       | Bias                | 0.521      | 0.52        | -0.001 |
| 324      | 30       | Bias                | 0.518      | 0.519       | 0.001  |
| 325      | 30       | Bias                | 0.532      | 0.532       | 0      |
| 326      | 30       | Bias                | 0.524      | 0.525       | 0.001  |
| 327      | 30       | Bias                | 0.522      | 0.522       | 0      |
| 328      | 30       | Unbiased            | 0.529      | 0.53        | 0.001  |
| 329      | 30       | Unbiased            | 0.525      | 0.525       | 0      |
| 330      | 30       | Unbiased            | 0.528      | 0.529       | 0.001  |
| 331      | 30       | Unbiased            | 0.527      | 0.528       | 0.001  |
| 332      | 30       | Unbiased            | 0.528      | 0.528       | 0      |
| 333      | 50       | Bias                | 0.525      | 0.525       | 0      |
| 334      | 50       | Bias                | 0.524      | 0.524       | 0      |
| 335      | 50       | Bias                | 0.532      | 0.533       | 0.001  |
| 336      | 50       | Bias                | 0.522      | 0.523       | 0.001  |
| 337      | 50       | Bias                | 0.524      | 0.525       | 0.001  |
| 338      | 50       | Unbiased            | 0.524      | 0.525       | 0.001  |
| 339      | 50       | Unbiased            | 0.523      | 0.525       | 0.002  |
| 340      | 50       | Unbiased            | 0.526      | 0.528       | 0.002  |
| 341      | 50       | Unbiased            | 0.522      | 0.525       | 0.003  |
| 342      | 50       | Unbiased            | 0.531      | 0.531       | 0      |
| 343      | 100      | Bias                | 0.526      | 0.526       | 0      |
| 344      | 100      | Bias                | 0.517      | 0.517       | 0      |
| 345      | 100      | Bias                | 0.522      | 0.524       | 0.002  |
| 346      | 100      | Bias                | 0.523      | 0.527       | 0.004  |
| 347      | 100      | Bias                | 0.533      | 0.536       | 0.003  |
| 348      | 100      | Unbiased            | 0.519      | 0.521       | 0.002  |
| 349      | 100      | Unbiased            | 0.523      | 0.523       | 0      |
| 350      | 100      | Unbiased            | 0.529      | 0.533       | 0.004  |
| 351      | 100      | Unbiased            | 0.524      | 0.527       | 0.003  |
| 352      | 100      | Unbiased            | 0.529      | 0.531       | 0.002  |

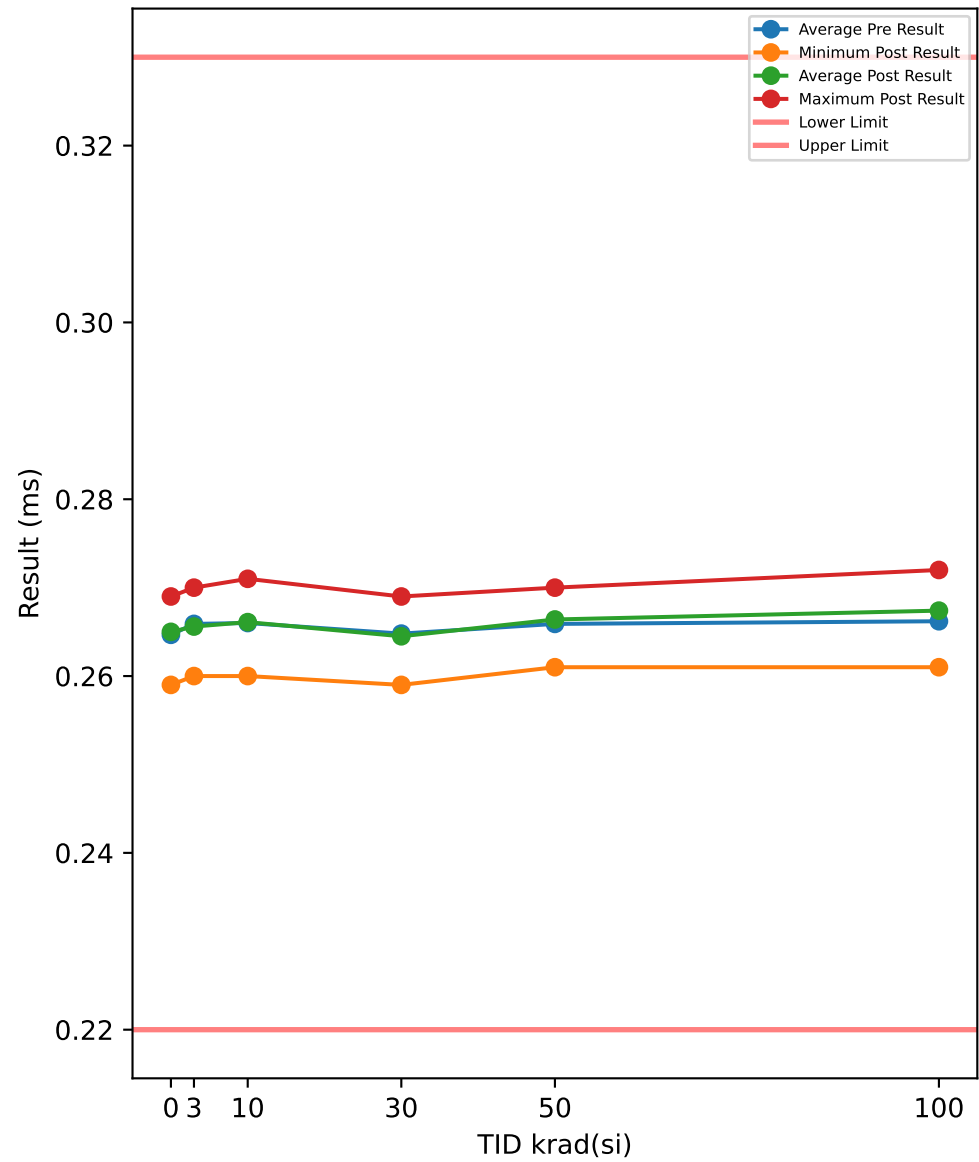
TID vs Post - Pre Exposure Delta



Test Statistics (s)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|------------|
| 0        | 0.525            | 0.529            | 0.534            | 0.0045826        | 0.524             | 0.52867           | 0.534             | 0.0050332         | -0.001    | -0.00033333 | 0         | 0.00057735 |
| 3        | 0.521            | 0.5256           | 0.531            | 0.0027968        | 0.52              | 0.5255            | 0.532             | 0.0031002         | -0.001    | -0.0001     | 0.001     | 0.00056765 |
| 10       | 0.52             | 0.5252           | 0.531            | 0.003084         | 0.522             | 0.5256            | 0.53              | 0.0024129         | -0.001    | 0.0004      | 0.003     | 0.0011738  |
| 30       | 0.518            | 0.5254           | 0.532            | 0.0042216        | 0.519             | 0.5258            | 0.532             | 0.0043665         | -0.001    | 0.0004      | 0.001     | 0.00069921 |
| 50       | 0.522            | 0.5253           | 0.532            | 0.0034976        | 0.523             | 0.5264            | 0.533             | 0.0032387         | 0         | 0.0011      | 0.003     | 0.00099443 |
| 100      | 0.517            | 0.5245           | 0.533            | 0.0048591        | 0.517             | 0.5265            | 0.536             | 0.0057009         | 0         | 0.002       | 0.004     | 0.0015635  |

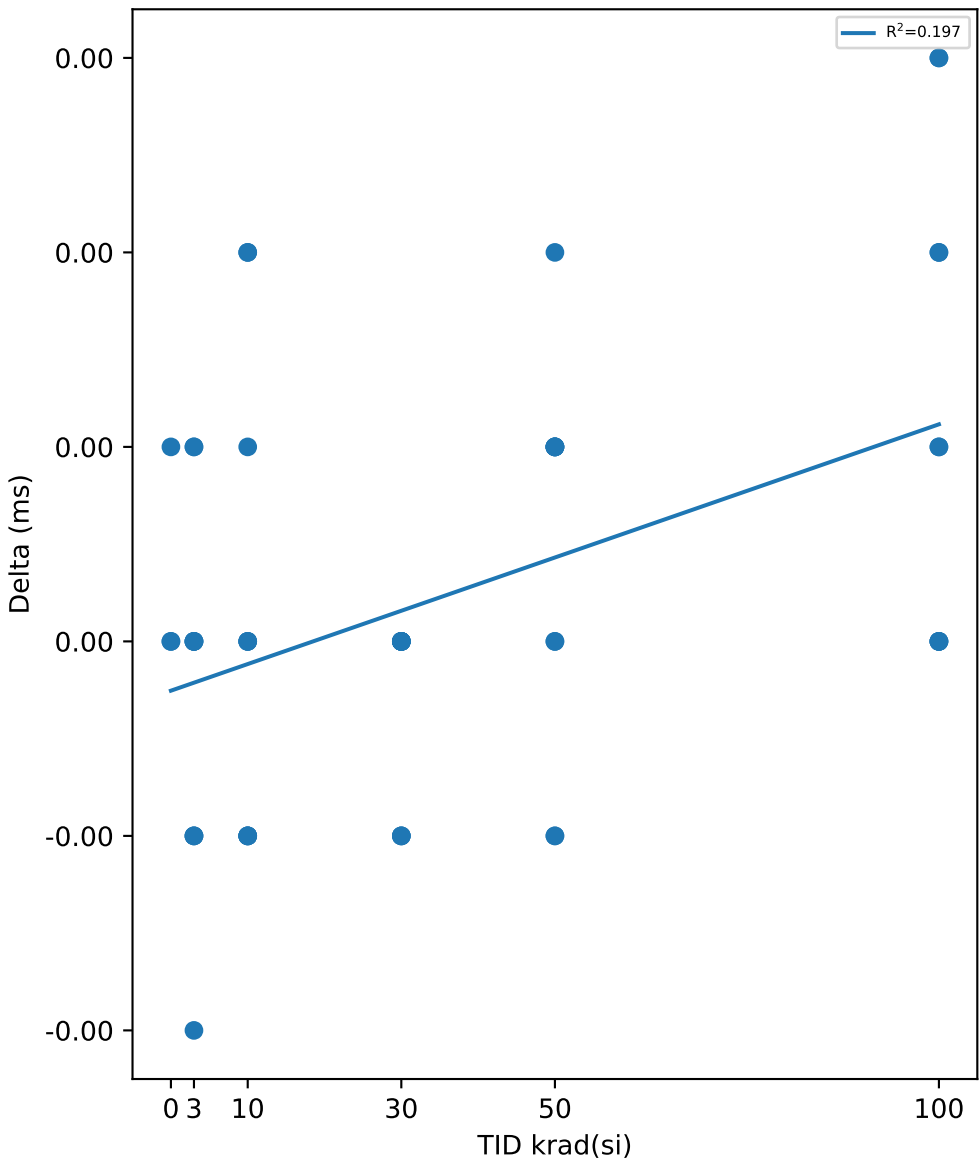
TID vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.269      | 0.269       | 0      |
| 301      | 0        | Correlation         | 0.266      | 0.267       | 0.001  |
| 302      | 0        | Correlation         | 0.259      | 0.259       | 0      |
| 303      | 3        | Bias                | 0.261      | 0.262       | 0.001  |
| 304      | 3        | Bias                | 0.26       | 0.26        | 0      |
| 305      | 3        | Bias                | 0.27       | 0.269       | -0.001 |
| 306      | 3        | Bias                | 0.269      | 0.269       | 0      |
| 307      | 3        | Bias                | 0.268      | 0.269       | 0.001  |
| 308      | 3        | Unbiased            | 0.268      | 0.267       | -0.001 |
| 309      | 3        | Unbiased            | 0.27       | 0.27        | 0      |
| 310      | 3        | Unbiased            | 0.27       | 0.27        | 0      |
| 311      | 3        | Unbiased            | 0.262      | 0.26        | -0.002 |
| 312      | 3        | Unbiased            | 0.261      | 0.26        | -0.001 |
| 313      | 10       | Bias                | 0.261      | 0.261       | 0      |
| 314      | 10       | Bias                | 0.261      | 0.26        | -0.001 |
| 315      | 10       | Bias                | 0.261      | 0.261       | 0      |
| 316      | 10       | Bias                | 0.267      | 0.269       | 0.002  |
| 317      | 10       | Bias                | 0.27       | 0.269       | -0.001 |
| 318      | 10       | Unbiased            | 0.272      | 0.271       | -0.001 |
| 319      | 10       | Unbiased            | 0.26       | 0.261       | 0.001  |
| 320      | 10       | Unbiased            | 0.269      | 0.269       | 0      |
| 321      | 10       | Unbiased            | 0.268      | 0.27        | 0.002  |
| 322      | 10       | Unbiased            | 0.271      | 0.27        | -0.001 |
| 323      | 30       | Bias                | 0.262      | 0.261       | -0.001 |
| 324      | 30       | Bias                | 0.262      | 0.261       | -0.001 |
| 325      | 30       | Bias                | 0.269      | 0.269       | 0      |
| 326      | 30       | Bias                | 0.267      | 0.267       | 0      |
| 327      | 30       | Bias                | 0.259      | 0.259       | 0      |
| 328      | 30       | Unbiased            | 0.268      | 0.268       | 0      |
| 329      | 30       | Unbiased            | 0.263      | 0.263       | 0      |
| 330      | 30       | Unbiased            | 0.26       | 0.26        | 0      |
| 331      | 30       | Unbiased            | 0.269      | 0.269       | 0      |
| 332      | 30       | Unbiased            | 0.269      | 0.268       | -0.001 |
| 333      | 50       | Bias                | 0.267      | 0.268       | 0.001  |
| 334      | 50       | Bias                | 0.268      | 0.269       | 0.001  |
| 335      | 50       | Bias                | 0.261      | 0.261       | 0      |
| 336      | 50       | Bias                | 0.27       | 0.269       | -0.001 |
| 337      | 50       | Bias                | 0.26       | 0.262       | 0.002  |
| 338      | 50       | Unbiased            | 0.268      | 0.267       | -0.001 |
| 339      | 50       | Unbiased            | 0.266      | 0.266       | 0      |
| 340      | 50       | Unbiased            | 0.268      | 0.269       | 0.001  |
| 341      | 50       | Unbiased            | 0.269      | 0.27        | 0.001  |
| 342      | 50       | Unbiased            | 0.262      | 0.263       | 0.001  |
| 343      | 100      | Bias                | 0.268      | 0.271       | 0.003  |
| 344      | 100      | Bias                | 0.268      | 0.27        | 0.002  |
| 345      | 100      | Bias                | 0.262      | 0.264       | 0.002  |
| 346      | 100      | Bias                | 0.262      | 0.262       | 0      |
| 347      | 100      | Bias                | 0.262      | 0.263       | 0.001  |
| 348      | 100      | Unbiased            | 0.272      | 0.272       | 0      |
| 349      | 100      | Unbiased            | 0.261      | 0.261       | 0      |
| 350      | 100      | Unbiased            | 0.271      | 0.271       | 0      |
| 351      | 100      | Unbiased            | 0.268      | 0.271       | 0.003  |
| 352      | 100      | Unbiased            | 0.268      | 0.269       | 0.001  |

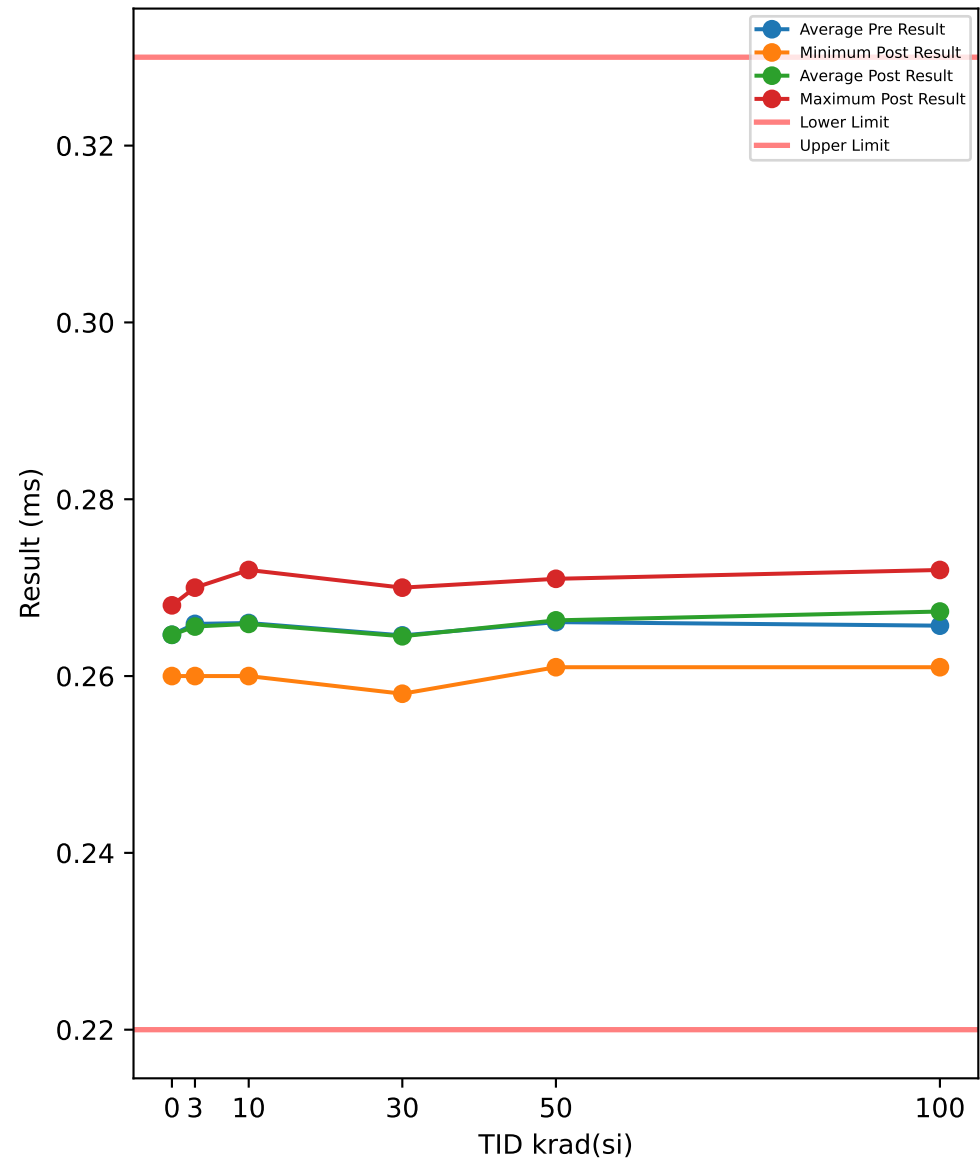
TID vs Post - Pre Exposure Delta



Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|------------|
| 0        | 0.259            | 0.26467          | 0.269            | 0.0051316        | 0.259             | 0.265             | 0.269             | 0.0052915         | 0         | 0.00033333 | 0.001     | 0.00057735 |
| 3        | 0.26             | 0.2659           | 0.27             | 0.0043063        | 0.26              | 0.2656            | 0.27              | 0.0045019         | -0.002    | -0.0003    | 0.001     | 0.00094868 |
| 10       | 0.26             | 0.266            | 0.272            | 0.0047376        | 0.26              | 0.2661            | 0.271             | 0.0046536         | -0.001    | 0.0001     | 0.002     | 0.0011972  |
| 30       | 0.259            | 0.2648           | 0.269            | 0.0039944        | 0.259             | 0.2645            | 0.269             | 0.004062          | -0.001    | -0.0003    | 0         | 0.00048305 |
| 50       | 0.26             | 0.2659           | 0.27             | 0.003573         | 0.261             | 0.2664            | 0.27              | 0.0032728         | -0.001    | 0.0005     | 0.002     | 0.00097183 |
| 100      | 0.261            | 0.2662           | 0.272            | 0.004077         | 0.261             | 0.2674            | 0.272             | 0.0043512         | 0         | 0.0012     | 0.003     | 0.0012293  |

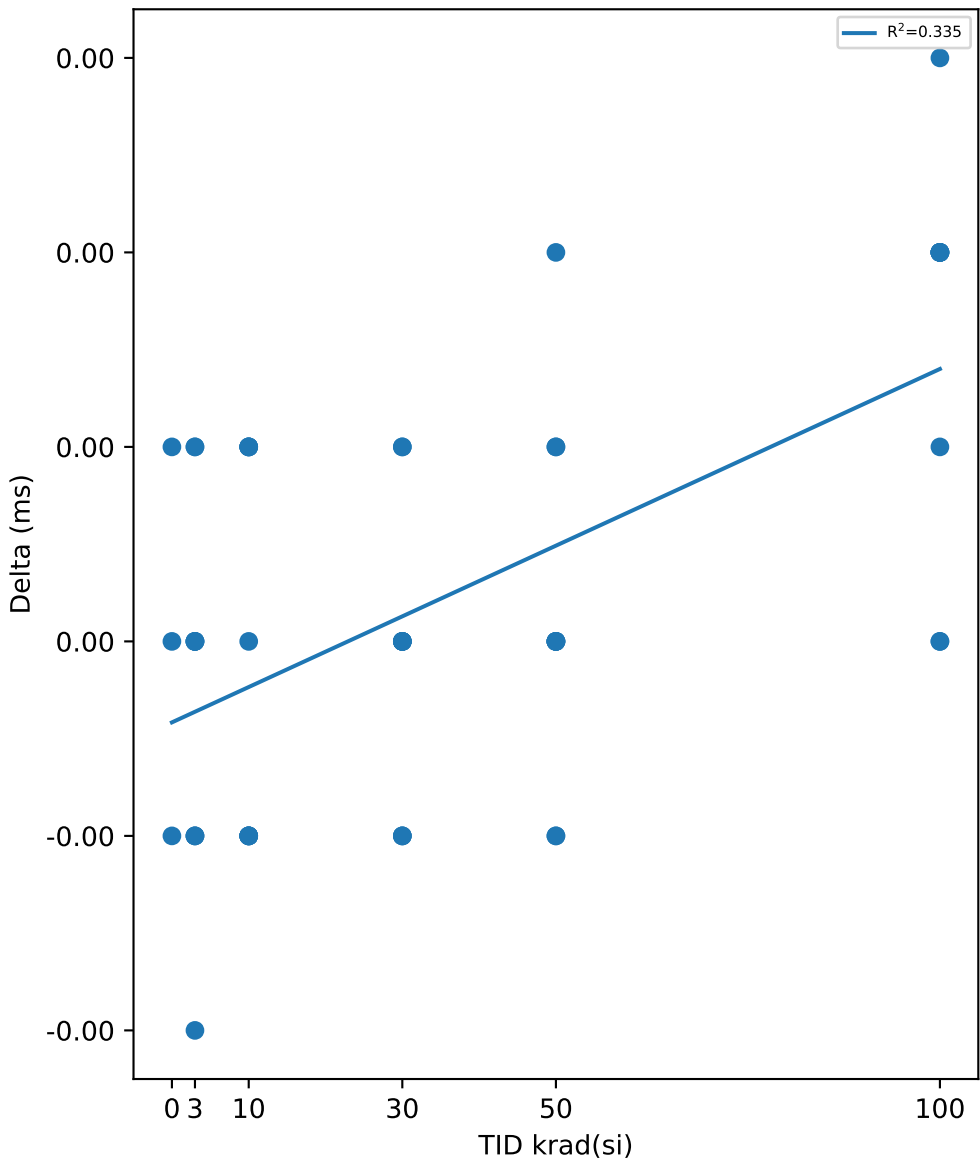
TID vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.268      | 0.268       | 0      |
| 301      | 0        | Correlation         | 0.267      | 0.266       | -0.001 |
| 302      | 0        | Correlation         | 0.259      | 0.26        | 0.001  |
| 303      | 3        | Bias                | 0.261      | 0.262       | 0.001  |
| 304      | 3        | Bias                | 0.261      | 0.26        | -0.001 |
| 305      | 3        | Bias                | 0.269      | 0.269       | 0      |
| 306      | 3        | Bias                | 0.267      | 0.268       | 0.001  |
| 307      | 3        | Bias                | 0.27       | 0.268       | -0.002 |
| 308      | 3        | Unbiased            | 0.268      | 0.268       | 0      |
| 309      | 3        | Unbiased            | 0.27       | 0.27        | 0      |
| 310      | 3        | Unbiased            | 0.27       | 0.27        | 0      |
| 311      | 3        | Unbiased            | 0.262      | 0.261       | -0.001 |
| 312      | 3        | Unbiased            | 0.261      | 0.26        | -0.001 |
| 313      | 10       | Bias                | 0.26       | 0.261       | 0.001  |
| 314      | 10       | Bias                | 0.259      | 0.26        | 0.001  |
| 315      | 10       | Bias                | 0.261      | 0.26        | -0.001 |
| 316      | 10       | Bias                | 0.267      | 0.267       | 0      |
| 317      | 10       | Bias                | 0.27       | 0.269       | -0.001 |
| 318      | 10       | Unbiased            | 0.271      | 0.272       | 0.001  |
| 319      | 10       | Unbiased            | 0.261      | 0.26        | -0.001 |
| 320      | 10       | Unbiased            | 0.271      | 0.27        | -0.001 |
| 321      | 10       | Unbiased            | 0.27       | 0.269       | -0.001 |
| 322      | 10       | Unbiased            | 0.27       | 0.271       | 0.001  |
| 323      | 30       | Bias                | 0.262      | 0.261       | -0.001 |
| 324      | 30       | Bias                | 0.261      | 0.261       | 0      |
| 325      | 30       | Bias                | 0.269      | 0.268       | -0.001 |
| 326      | 30       | Bias                | 0.267      | 0.267       | 0      |
| 327      | 30       | Bias                | 0.258      | 0.258       | 0      |
| 328      | 30       | Unbiased            | 0.269      | 0.268       | -0.001 |
| 329      | 30       | Unbiased            | 0.262      | 0.263       | 0.001  |
| 330      | 30       | Unbiased            | 0.26       | 0.26        | 0      |
| 331      | 30       | Unbiased            | 0.27       | 0.27        | 0      |
| 332      | 30       | Unbiased            | 0.268      | 0.269       | 0.001  |
| 333      | 50       | Bias                | 0.267      | 0.268       | 0.001  |
| 334      | 50       | Bias                | 0.268      | 0.268       | 0      |
| 335      | 50       | Bias                | 0.261      | 0.261       | 0      |
| 336      | 50       | Bias                | 0.269      | 0.27        | 0.001  |
| 337      | 50       | Bias                | 0.262      | 0.261       | -0.001 |
| 338      | 50       | Unbiased            | 0.267      | 0.267       | 0      |
| 339      | 50       | Unbiased            | 0.266      | 0.265       | -0.001 |
| 340      | 50       | Unbiased            | 0.269      | 0.271       | 0.002  |
| 341      | 50       | Unbiased            | 0.269      | 0.269       | 0      |
| 342      | 50       | Unbiased            | 0.263      | 0.263       | 0      |
| 343      | 100      | Bias                | 0.269      | 0.271       | 0.002  |
| 344      | 100      | Bias                | 0.267      | 0.269       | 0.002  |
| 345      | 100      | Bias                | 0.262      | 0.264       | 0.002  |
| 346      | 100      | Bias                | 0.261      | 0.262       | 0.001  |
| 347      | 100      | Bias                | 0.262      | 0.262       | 0      |
| 348      | 100      | Unbiased            | 0.27       | 0.272       | 0.002  |
| 349      | 100      | Unbiased            | 0.261      | 0.261       | 0      |
| 350      | 100      | Unbiased            | 0.27       | 0.272       | 0.002  |
| 351      | 100      | Unbiased            | 0.268      | 0.271       | 0.003  |
| 352      | 100      | Unbiased            | 0.267      | 0.269       | 0.002  |

TID vs Post - Pre Exposure Delta

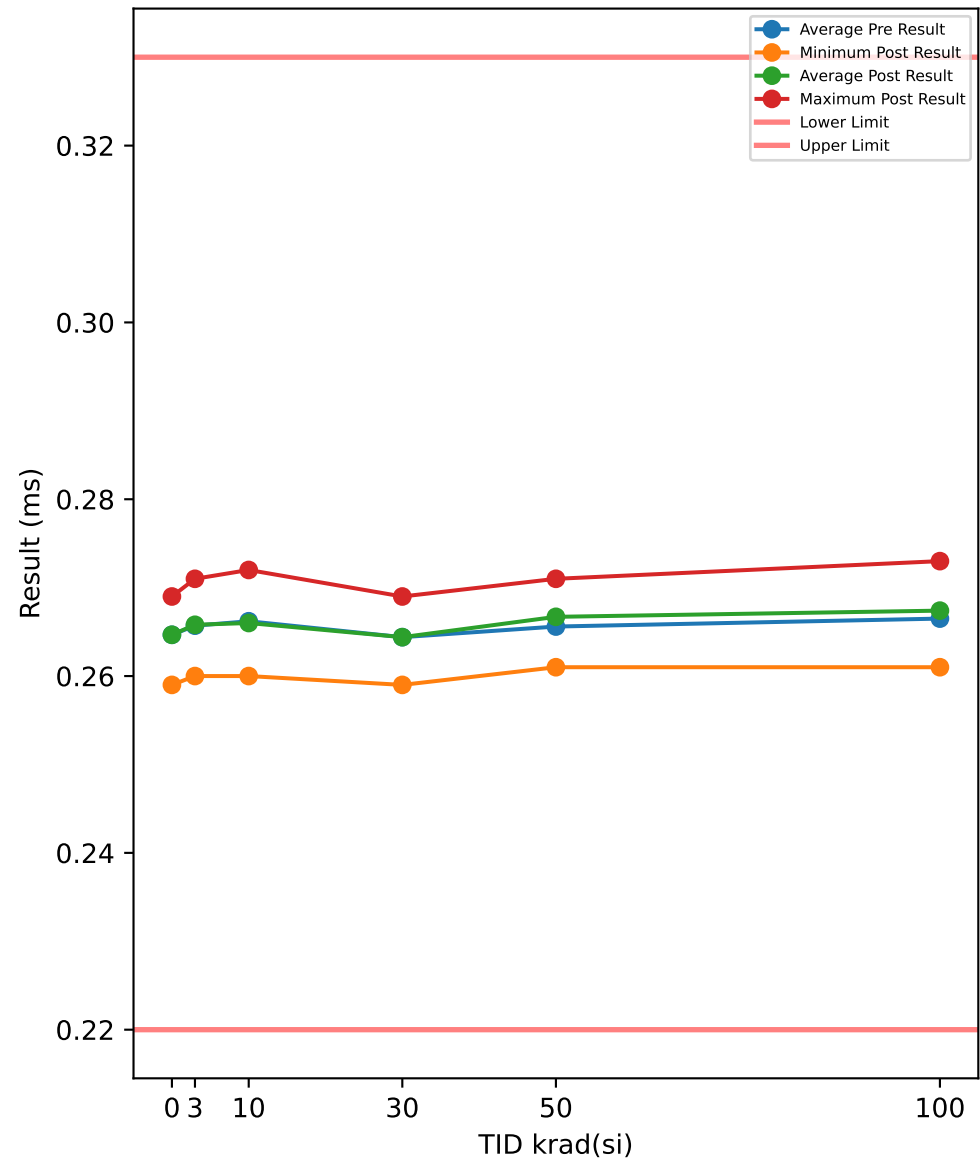


Test Statistics (ms)

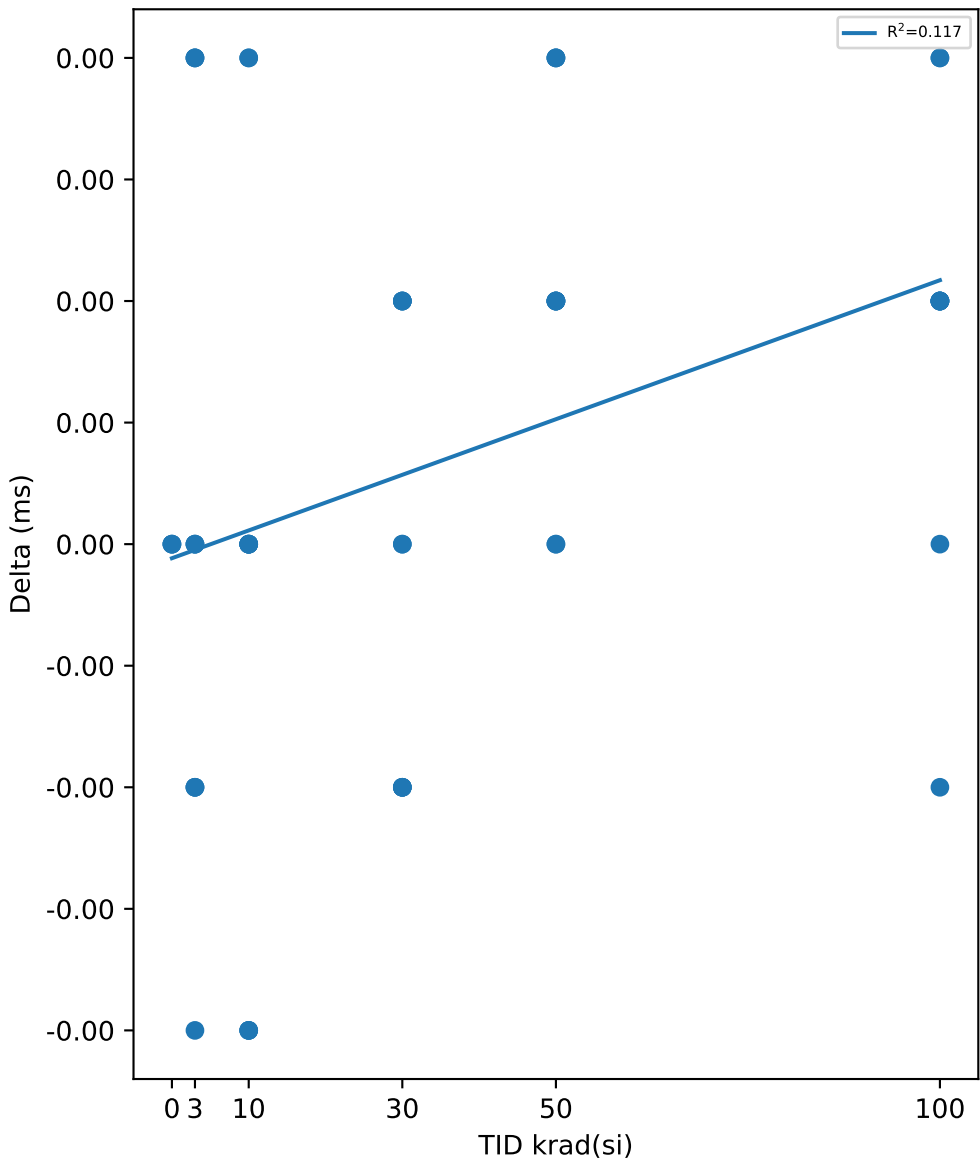
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| 0        | 0.259            | 0.26467          | 0.268            | 0.0049329        | 0.26              | 0.26467           | 0.268             | 0.0041633         | -0.001    | 0         | 0.001     | 0.001      |
| 3        | 0.261            | 0.2659           | 0.27             | 0.0041218        | 0.26              | 0.2656            | 0.27              | 0.004274          | -0.002    | -0.0003   | 0.001     | 0.00094868 |
| 10       | 0.259            | 0.266            | 0.271            | 0.005099         | 0.26              | 0.2659            | 0.272             | 0.0050431         | -0.001    | -0.0001   | 0.001     | 0.00099443 |
| 30       | 0.258            | 0.2646           | 0.27             | 0.0044272        | 0.258             | 0.2645            | 0.27              | 0.0043525         | -0.001    | -0.0001   | 0.001     | 0.00073786 |
| 50       | 0.261            | 0.2661           | 0.269            | 0.003035         | 0.261             | 0.2663            | 0.271             | 0.0036225         | -0.001    | 0.0002    | 0.002     | 0.00091894 |
| 100      | 0.261            | 0.2657           | 0.27             | 0.0037727        | 0.261             | 0.2673            | 0.272             | 0.0045228         | 0         | 0.0016    | 0.003     | 0.00096609 |



TID vs Result Stats



TID vs Post - Pre Exposure Delta



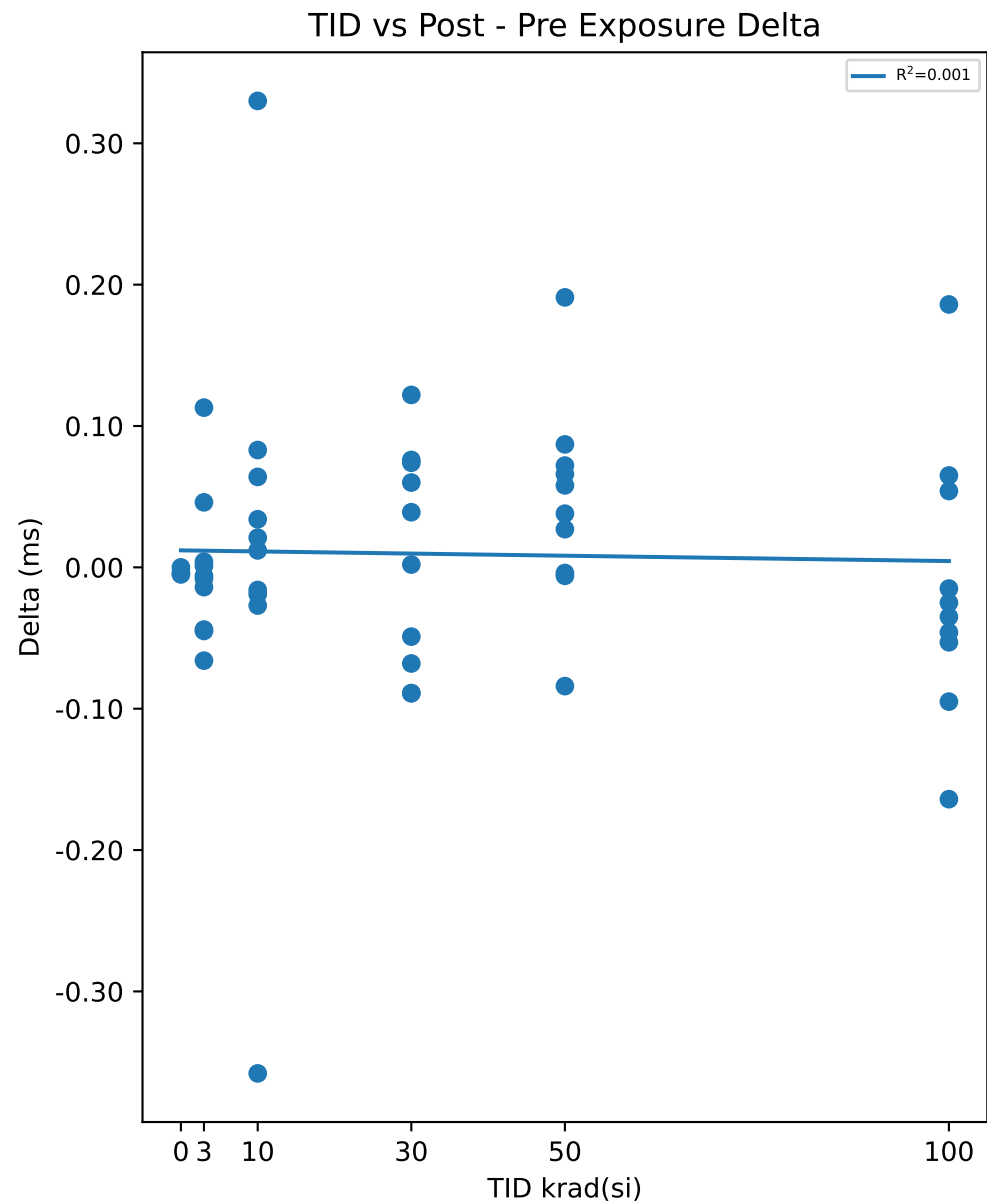
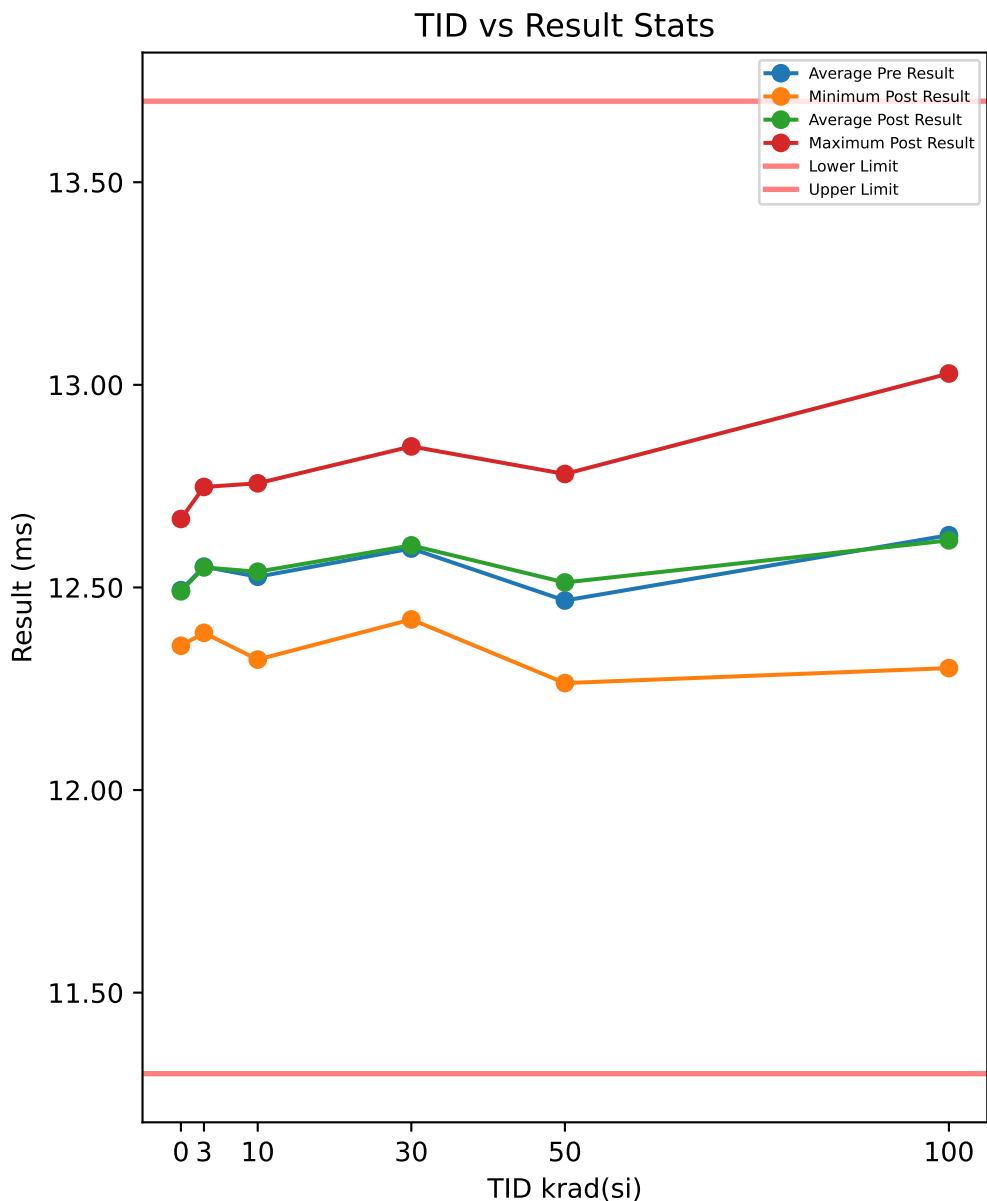
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.269      | 0.269       | 0      |
| 301      | 0        | Correlation         | 0.266      | 0.266       | 0      |
| 302      | 0        | Correlation         | 0.259      | 0.259       | 0      |
| 303      | 3        | Bias                | 0.262      | 0.262       | 0      |
| 304      | 3        | Bias                | 0.259      | 0.261       | 0.002  |
| 305      | 3        | Bias                | 0.268      | 0.27        | 0.002  |
| 306      | 3        | Bias                | 0.269      | 0.269       | 0      |
| 307      | 3        | Bias                | 0.27       | 0.268       | -0.002 |
| 308      | 3        | Unbiased            | 0.268      | 0.267       | -0.001 |
| 309      | 3        | Unbiased            | 0.269      | 0.271       | 0.002  |
| 310      | 3        | Unbiased            | 0.27       | 0.269       | -0.001 |
| 311      | 3        | Unbiased            | 0.261      | 0.261       | 0      |
| 312      | 3        | Unbiased            | 0.261      | 0.26        | -0.001 |
| 313      | 10       | Bias                | 0.262      | 0.26        | -0.002 |
| 314      | 10       | Bias                | 0.26       | 0.26        | 0      |
| 315      | 10       | Bias                | 0.261      | 0.261       | 0      |
| 316      | 10       | Bias                | 0.267      | 0.267       | 0      |
| 317      | 10       | Bias                | 0.27       | 0.268       | -0.002 |
| 318      | 10       | Unbiased            | 0.272      | 0.27        | -0.002 |
| 319      | 10       | Unbiased            | 0.26       | 0.262       | 0.002  |
| 320      | 10       | Unbiased            | 0.271      | 0.271       | 0      |
| 321      | 10       | Unbiased            | 0.269      | 0.269       | 0      |
| 322      | 10       | Unbiased            | 0.27       | 0.272       | 0.002  |
| 323      | 30       | Bias                | 0.261      | 0.262       | 0.001  |
| 324      | 30       | Bias                | 0.262      | 0.262       | 0      |
| 325      | 30       | Bias                | 0.269      | 0.268       | -0.001 |
| 326      | 30       | Bias                | 0.266      | 0.266       | 0      |
| 327      | 30       | Bias                | 0.26       | 0.259       | -0.001 |
| 328      | 30       | Unbiased            | 0.269      | 0.268       | -0.001 |
| 329      | 30       | Unbiased            | 0.263      | 0.262       | -0.001 |
| 330      | 30       | Unbiased            | 0.259      | 0.26        | 0.001  |
| 331      | 30       | Unbiased            | 0.268      | 0.269       | 0.001  |
| 332      | 30       | Unbiased            | 0.267      | 0.268       | 0.001  |
| 333      | 50       | Bias                | 0.266      | 0.268       | 0.002  |
| 334      | 50       | Bias                | 0.268      | 0.269       | 0.001  |
| 335      | 50       | Bias                | 0.26       | 0.261       | 0.001  |
| 336      | 50       | Bias                | 0.269      | 0.271       | 0.002  |
| 337      | 50       | Bias                | 0.261      | 0.261       | 0      |
| 338      | 50       | Unbiased            | 0.267      | 0.267       | 0      |
| 339      | 50       | Unbiased            | 0.265      | 0.266       | 0.001  |
| 340      | 50       | Unbiased            | 0.268      | 0.269       | 0.001  |
| 341      | 50       | Unbiased            | 0.27       | 0.271       | 0.001  |
| 342      | 50       | Unbiased            | 0.262      | 0.264       | 0.002  |
| 343      | 100      | Bias                | 0.27       | 0.271       | 0.001  |
| 344      | 100      | Bias                | 0.267      | 0.268       | 0.001  |
| 345      | 100      | Bias                | 0.262      | 0.264       | 0.002  |
| 346      | 100      | Bias                | 0.262      | 0.263       | 0.001  |
| 347      | 100      | Bias                | 0.262      | 0.263       | 0.001  |
| 348      | 100      | Unbiased            | 0.271      | 0.272       | 0.001  |
| 349      | 100      | Unbiased            | 0.262      | 0.261       | -0.001 |
| 350      | 100      | Unbiased            | 0.271      | 0.273       | 0.002  |
| 351      | 100      | Unbiased            | 0.27       | 0.27        | 0      |
| 352      | 100      | Unbiased            | 0.268      | 0.269       | 0.001  |

Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| 0        | 0.259            | 0.26467          | 0.269            | 0.0051316        | 0.259             | 0.26467           | 0.269             | 0.0051316         | 0         | 0         | 0         | 0          |
| 3        | 0.259            | 0.2657           | 0.27             | 0.0043729        | 0.26              | 0.2658            | 0.271             | 0.0042895         | -0.002    | 0.0001    | 0.002     | 0.0014491  |
| 10       | 0.26             | 0.2662           | 0.272            | 0.0048944        | 0.26              | 0.266             | 0.272             | 0.004761          | -0.002    | -0.0002   | 0.002     | 0.0014757  |
| 30       | 0.259            | 0.2644           | 0.269            | 0.0038355        | 0.259             | 0.2644            | 0.269             | 0.0037771         | -0.001    | 0         | 0.001     | 0.00094281 |
| 50       | 0.26             | 0.2656           | 0.27             | 0.0035024        | 0.261             | 0.2667            | 0.271             | 0.0036833         | 0         | 0.0011    | 0.002     | 0.00073786 |
| 100      | 0.262            | 0.2665           | 0.271            | 0.004062         | 0.261             | 0.2674            | 0.273             | 0.0042999         | -0.001    | 0.0009    | 0.002     | 0.0008756  |

## Device Test: 5.62 ; DLY\_TMR\_500KOHM



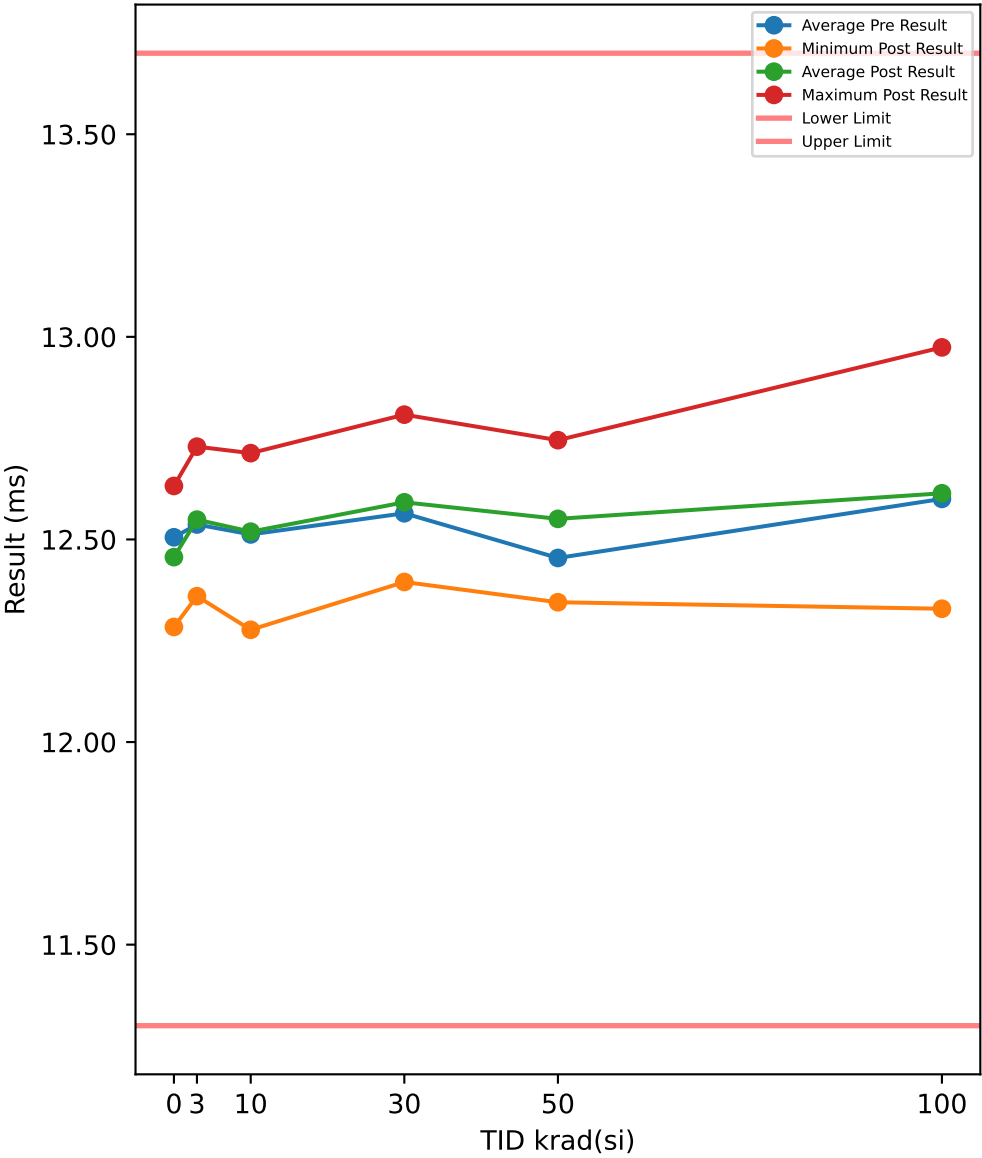
Test Results (Lower Limit = 11.3,  
Upper Limit = 13.7 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 12.673     | 12.669      | -0.004 |
| 301      | 0        | Correlation         | 12.446     | 12.446      | 0      |
| 302      | 0        | Correlation         | 12.361     | 12.356      | -0.005 |
| 303      | 3        | Bias                | 12.402     | 12.388      | -0.014 |
| 304      | 3        | Bias                | 12.413     | 12.459      | 0.046  |
| 305      | 3        | Bias                | 12.71      | 12.711      | 0.001  |
| 306      | 3        | Bias                | 12.688     | 12.692      | 0.004  |
| 307      | 3        | Bias                | 12.473     | 12.428      | -0.045 |
| 308      | 3        | Unbiased            | 12.338     | 12.451      | 0.113  |
| 309      | 3        | Unbiased            | 12.792     | 12.748      | -0.044 |
| 310      | 3        | Unbiased            | 12.714     | 12.706      | -0.008 |
| 311      | 3        | Unbiased            | 12.493     | 12.427      | -0.066 |
| 312      | 3        | Unbiased            | 12.49      | 12.484      | -0.006 |
| 313      | 10       | Bias                | 12.3       | 12.364      | 0.064  |
| 314      | 10       | Bias                | 12.445     | 12.418      | -0.027 |
| 315      | 10       | Bias                | 12.277     | 12.36       | 0.083  |
| 316      | 10       | Bias                | 12.587     | 12.621      | 0.034  |
| 317      | 10       | Bias                | 12.745     | 12.757      | 0.012  |
| 318      | 10       | Unbiased            | 12.725     | 12.709      | -0.016 |
| 319      | 10       | Unbiased            | 12.341     | 12.322      | -0.019 |
| 320      | 10       | Unbiased            | 12.743     | 12.385      | -0.358 |
| 321      | 10       | Unbiased            | 12.406     | 12.736      | 0.33   |
| 322      | 10       | Unbiased            | 12.695     | 12.716      | 0.021  |
| 323      | 30       | Bias                | 12.518     | 12.45       | -0.068 |
| 324      | 30       | Bias                | 12.531     | 12.442      | -0.089 |
| 325      | 30       | Bias                | 12.622     | 12.682      | 0.06   |
| 326      | 30       | Bias                | 12.606     | 12.728      | 0.122  |
| 327      | 30       | Bias                | 12.382     | 12.421      | 0.039  |
| 328      | 30       | Unbiased            | 12.633     | 12.635      | 0.002  |
| 329      | 30       | Unbiased            | 12.868     | 12.819      | -0.049 |
| 330      | 30       | Unbiased            | 12.616     | 12.527      | -0.089 |
| 331      | 30       | Unbiased            | 12.412     | 12.486      | 0.074  |
| 332      | 30       | Unbiased            | 12.772     | 12.848      | 0.076  |
| 333      | 50       | Bias                | 12.361     | 12.433      | 0.072  |
| 334      | 50       | Bias                | 12.733     | 12.727      | -0.006 |
| 335      | 50       | Bias                | 12.426     | 12.422      | -0.004 |
| 336      | 50       | Bias                | 12.589     | 12.78       | 0.191  |
| 337      | 50       | Bias                | 12.348     | 12.264      | -0.084 |
| 338      | 50       | Unbiased            | 12.307     | 12.334      | 0.027  |
| 339      | 50       | Unbiased            | 12.348     | 12.414      | 0.066  |
| 340      | 50       | Unbiased            | 12.453     | 12.491      | 0.038  |
| 341      | 50       | Unbiased            | 12.649     | 12.707      | 0.058  |
| 342      | 50       | Unbiased            | 12.464     | 12.551      | 0.087  |
| 343      | 100      | Bias                | 12.613     | 12.667      | 0.054  |
| 344      | 100      | Bias                | 12.432     | 12.407      | -0.025 |
| 345      | 100      | Bias                | 12.796     | 12.743      | -0.053 |
| 346      | 100      | Bias                | 12.465     | 12.301      | -0.164 |
| 347      | 100      | Bias                | 12.359     | 12.344      | -0.015 |
| 348      | 100      | Unbiased            | 12.842     | 13.028      | 0.186  |
| 349      | 100      | Unbiased            | 12.696     | 12.601      | -0.095 |
| 350      | 100      | Unbiased            | 12.737     | 12.702      | -0.035 |
| 351      | 100      | Unbiased            | 12.797     | 12.862      | 0.065  |
| 352      | 100      | Unbiased            | 12.553     | 12.507      | -0.046 |

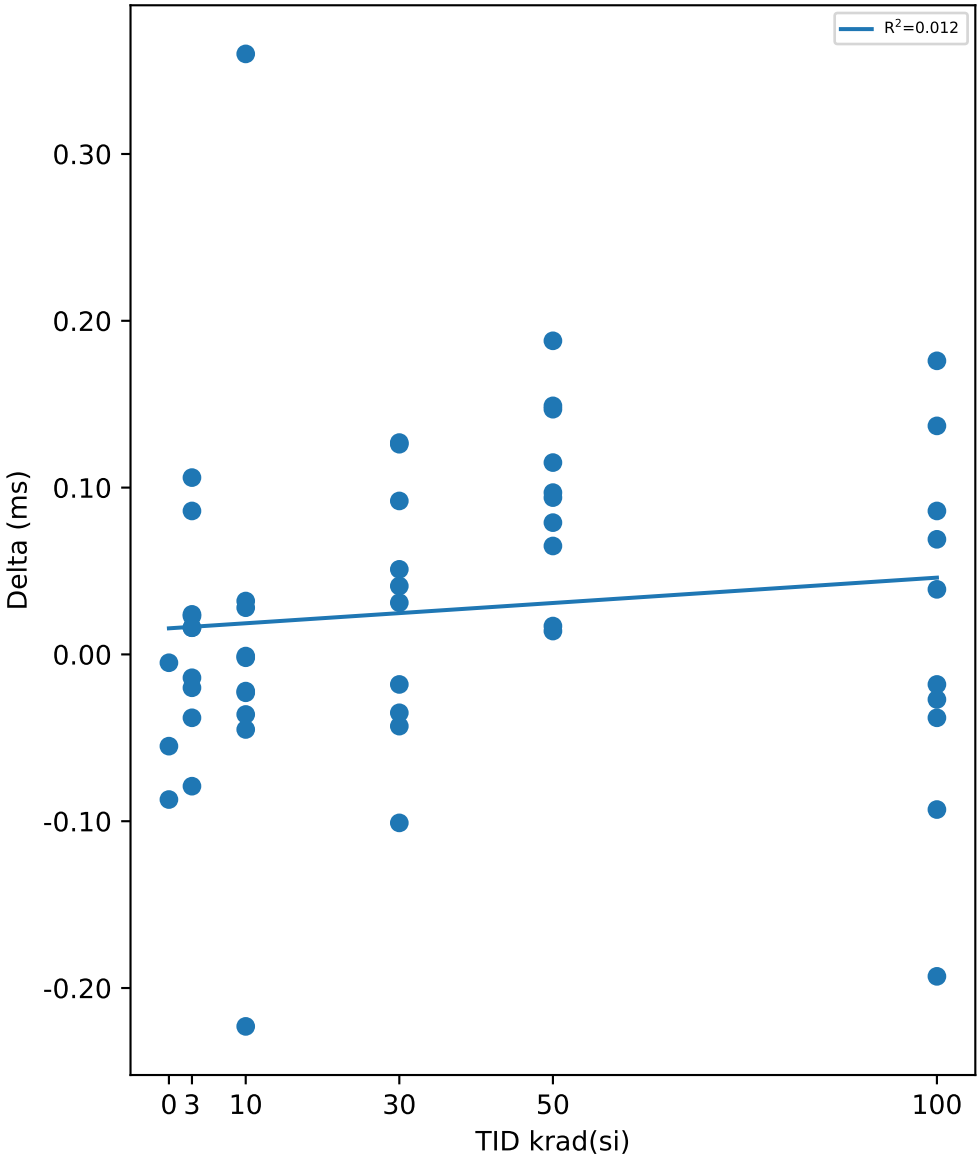
### Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.361           | 12.493           | 12.673           | 0.1613           | 12.356            | 12.49             | 12.669            | 0.16114           | -0.005    | -0.003    | 0         | 0.0026458 |
| 3        | 12.338           | 12.551           | 12.792           | 0.15933          | 12.388            | 12.549            | 12.748            | 0.14465           | -0.066    | -0.0019   | 0.113     | 0.051076  |
| 10       | 12.277           | 12.526           | 12.745           | 0.19299          | 12.322            | 12.539            | 12.757            | 0.183             | -0.358    | 0.0124    | 0.33      | 0.16653   |
| 30       | 12.382           | 12.596           | 12.868           | 0.14812          | 12.421            | 12.604            | 12.848            | 0.16038           | -0.089    | 0.0078    | 0.122     | 0.077114  |
| 50       | 12.307           | 12.468           | 12.733           | 0.14368          | 12.264            | 12.512            | 12.78             | 0.17485           | -0.084    | 0.0445    | 0.191     | 0.071827  |
| 100      | 12.359           | 12.629           | 12.842           | 0.17071          | 12.301            | 12.616            | 13.028            | 0.23223           | -0.164    | -0.0128   | 0.186     | 0.096044  |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



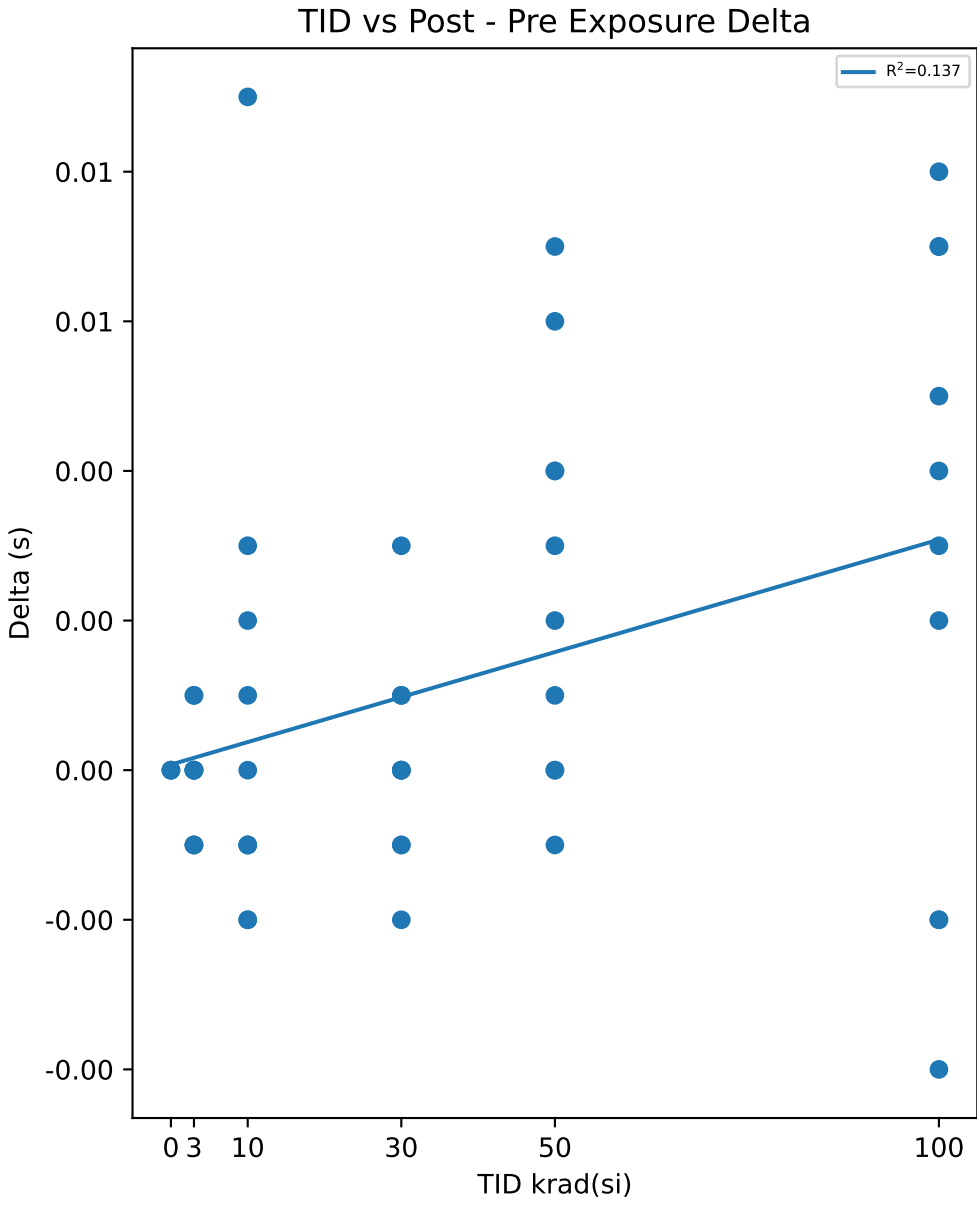
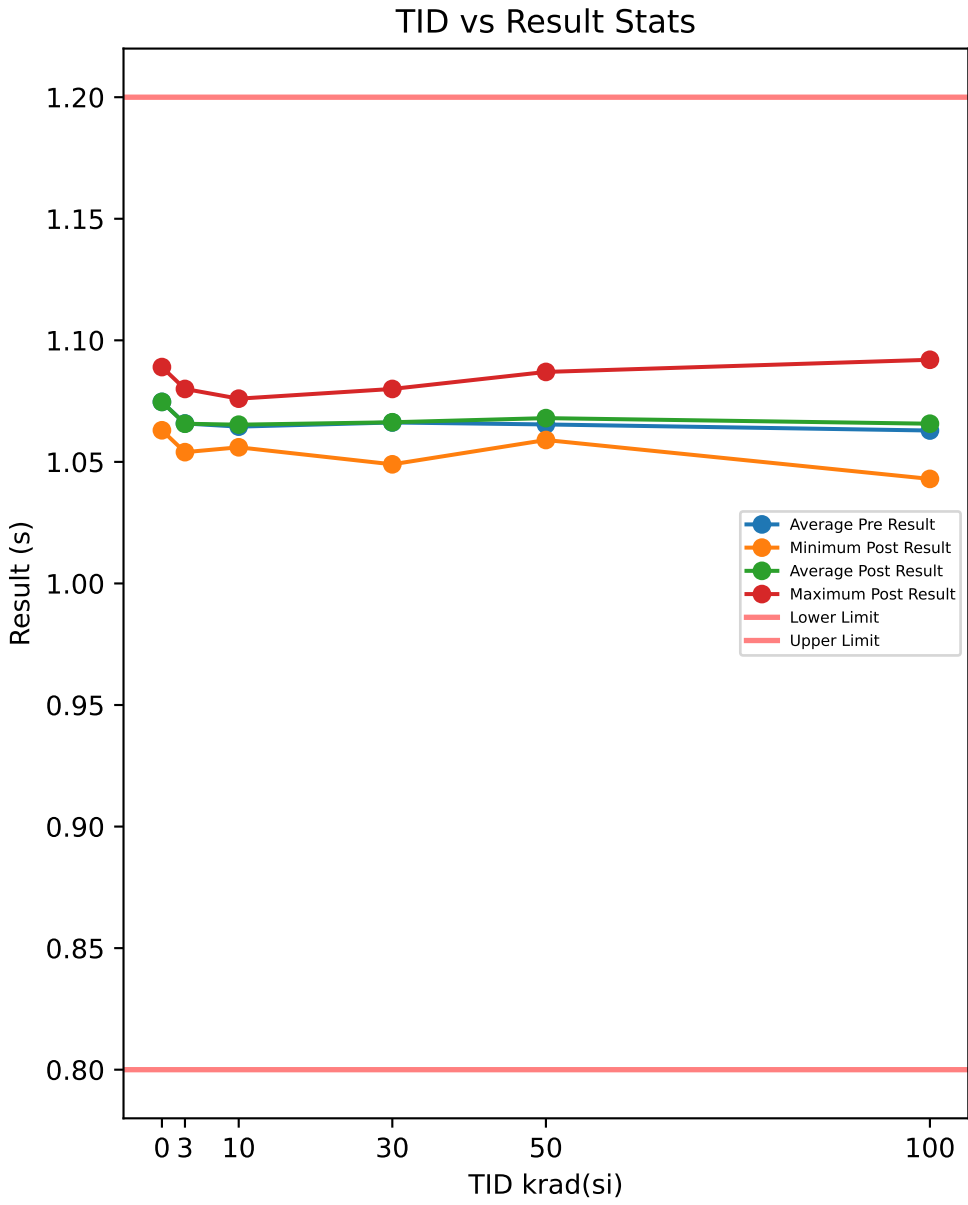
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 12.637     | 12.632      | -0.005 |
| 301      | 0        | Correlation         | 12.54      | 12.453      | -0.087 |
| 302      | 0        | Correlation         | 12.339     | 12.284      | -0.055 |
| 303      | 3        | Bias                | 12.474     | 12.395      | -0.079 |
| 304      | 3        | Bias                | 12.413     | 12.519      | 0.106  |
| 305      | 3        | Bias                | 12.656     | 12.672      | 0.016  |
| 306      | 3        | Bias                | 12.627     | 12.643      | 0.016  |
| 307      | 3        | Bias                | 12.525     | 12.511      | -0.014 |
| 308      | 3        | Unbiased            | 12.398     | 12.36       | -0.038 |
| 309      | 3        | Unbiased            | 12.749     | 12.729      | -0.02  |
| 310      | 3        | Unbiased            | 12.655     | 12.679      | 0.024  |
| 311      | 3        | Unbiased            | 12.41      | 12.433      | 0.023  |
| 312      | 3        | Unbiased            | 12.462     | 12.548      | 0.086  |
| 313      | 10       | Bias                | 12.3       | 12.277      | -0.023 |
| 314      | 10       | Bias                | 12.458     | 12.413      | -0.045 |
| 315      | 10       | Bias                | 12.337     | 12.365      | 0.028  |
| 316      | 10       | Bias                | 12.557     | 12.589      | 0.032  |
| 317      | 10       | Bias                | 12.715     | 12.713      | -0.002 |
| 318      | 10       | Unbiased            | 12.691     | 12.669      | -0.022 |
| 319      | 10       | Unbiased            | 12.359     | 12.323      | -0.036 |
| 320      | 10       | Unbiased            | 12.692     | 12.469      | -0.223 |
| 321      | 10       | Unbiased            | 12.329     | 12.689      | 0.36   |
| 322      | 10       | Unbiased            | 12.686     | 12.685      | -0.001 |
| 323      | 30       | Bias                | 12.495     | 12.526      | 0.031  |
| 324      | 30       | Bias                | 12.459     | 12.424      | -0.035 |
| 325      | 30       | Bias                | 12.612     | 12.653      | 0.041  |
| 326      | 30       | Bias                | 12.561     | 12.688      | 0.127  |
| 327      | 30       | Bias                | 12.303     | 12.395      | 0.092  |
| 328      | 30       | Unbiased            | 12.606     | 12.588      | -0.018 |
| 329      | 30       | Unbiased            | 12.827     | 12.784      | -0.043 |
| 330      | 30       | Unbiased            | 12.613     | 12.512      | -0.101 |
| 331      | 30       | Unbiased            | 12.413     | 12.539      | 0.126  |
| 332      | 30       | Unbiased            | 12.757     | 12.808      | 0.051  |
| 333      | 50       | Bias                | 12.351     | 12.498      | 0.147  |
| 334      | 50       | Bias                | 12.677     | 12.694      | 0.017  |
| 335      | 50       | Bias                | 12.42      | 12.499      | 0.079  |
| 336      | 50       | Bias                | 12.557     | 12.745      | 0.188  |
| 337      | 50       | Bias                | 12.331     | 12.345      | 0.014  |
| 338      | 50       | Unbiased            | 12.324     | 12.421      | 0.097  |
| 339      | 50       | Unbiased            | 12.338     | 12.487      | 0.149  |
| 340      | 50       | Unbiased            | 12.456     | 12.55       | 0.094  |
| 341      | 50       | Unbiased            | 12.614     | 12.679      | 0.065  |
| 342      | 50       | Unbiased            | 12.475     | 12.59       | 0.115  |
| 343      | 100      | Bias                | 12.573     | 12.659      | 0.086  |
| 344      | 100      | Bias                | 12.405     | 12.474      | 0.069  |
| 345      | 100      | Bias                | 12.753     | 12.715      | -0.038 |
| 346      | 100      | Bias                | 12.522     | 12.329      | -0.193 |
| 347      | 100      | Bias                | 12.37      | 12.343      | -0.027 |
| 348      | 100      | Unbiased            | 12.798     | 12.974      | 0.176  |
| 349      | 100      | Unbiased            | 12.651     | 12.558      | -0.093 |
| 350      | 100      | Unbiased            | 12.695     | 12.677      | -0.018 |
| 351      | 100      | Unbiased            | 12.766     | 12.903      | 0.137  |
| 352      | 100      | Unbiased            | 12.468     | 12.507      | 0.039  |

Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.339           | 12.505           | 12.637           | 0.15199          | 12.284            | 12.456            | 12.632            | 0.17402           | -0.087    | -0.049    | -0.005    | 0.041328  |
| 3        | 12.398           | 12.537           | 12.749           | 0.12547          | 12.36             | 12.549            | 12.729            | 0.12845           | -0.079    | 0.012     | 0.106     | 0.054863  |
| 10       | 12.3             | 12.512           | 12.715           | 0.17427          | 12.277            | 12.519            | 12.713            | 0.16863           | -0.223    | 0.0068    | 0.36      | 0.14338   |
| 30       | 12.303           | 12.565           | 12.827           | 0.15621          | 12.395            | 12.592            | 12.808            | 0.14027           | -0.101    | 0.0271    | 0.127     | 0.075987  |
| 50       | 12.324           | 12.454           | 12.677           | 0.12633          | 12.345            | 12.551            | 12.745            | 0.1269            | 0.014     | 0.0965    | 0.188     | 0.056226  |
| 100      | 12.37            | 12.6             | 12.798           | 0.15526          | 12.329            | 12.614            | 12.974            | 0.21555           | -0.193    | 0.0138    | 0.176     | 0.11051   |

Device Test: 5.64 ; WD\_TMR\_500KOHM

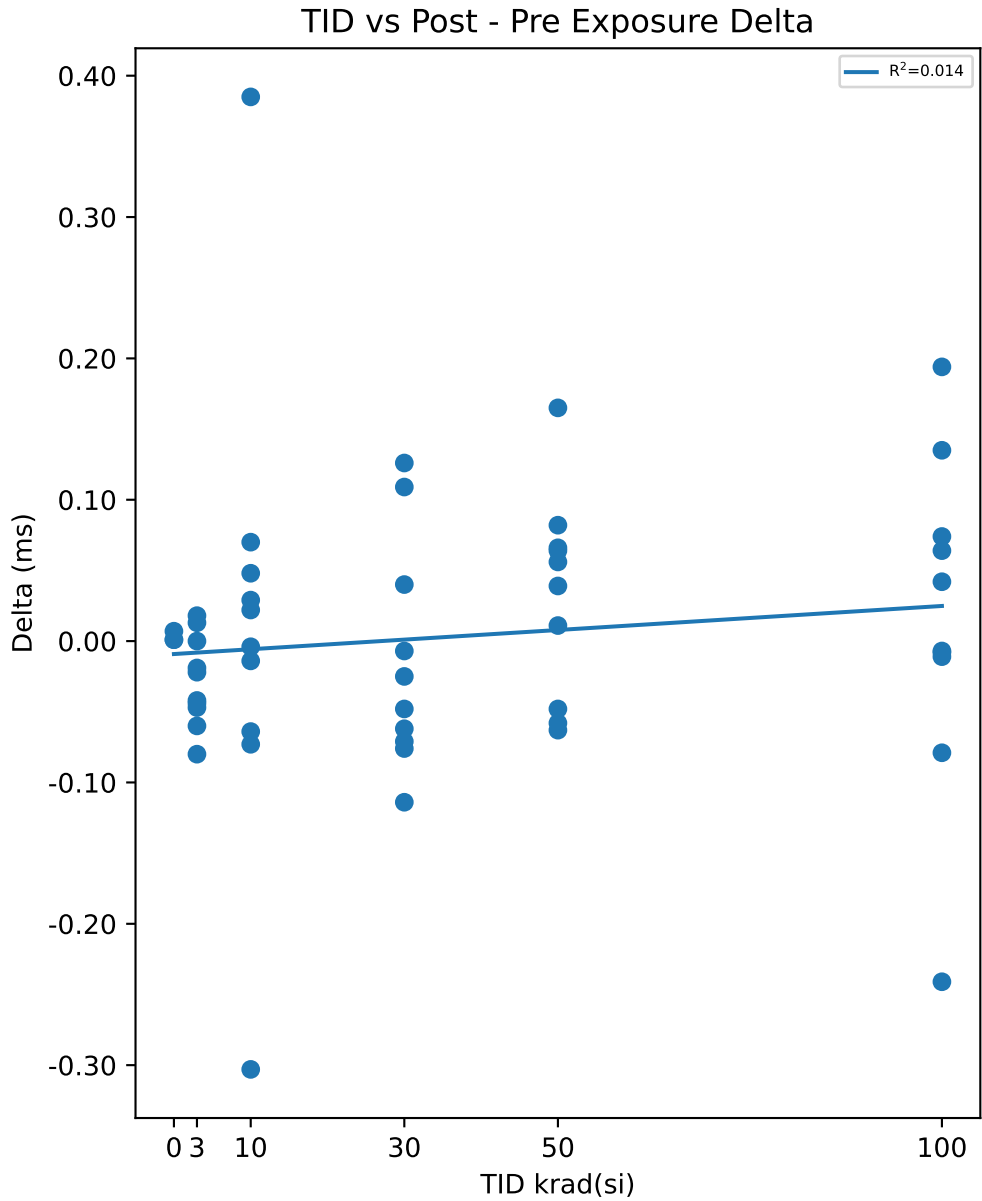
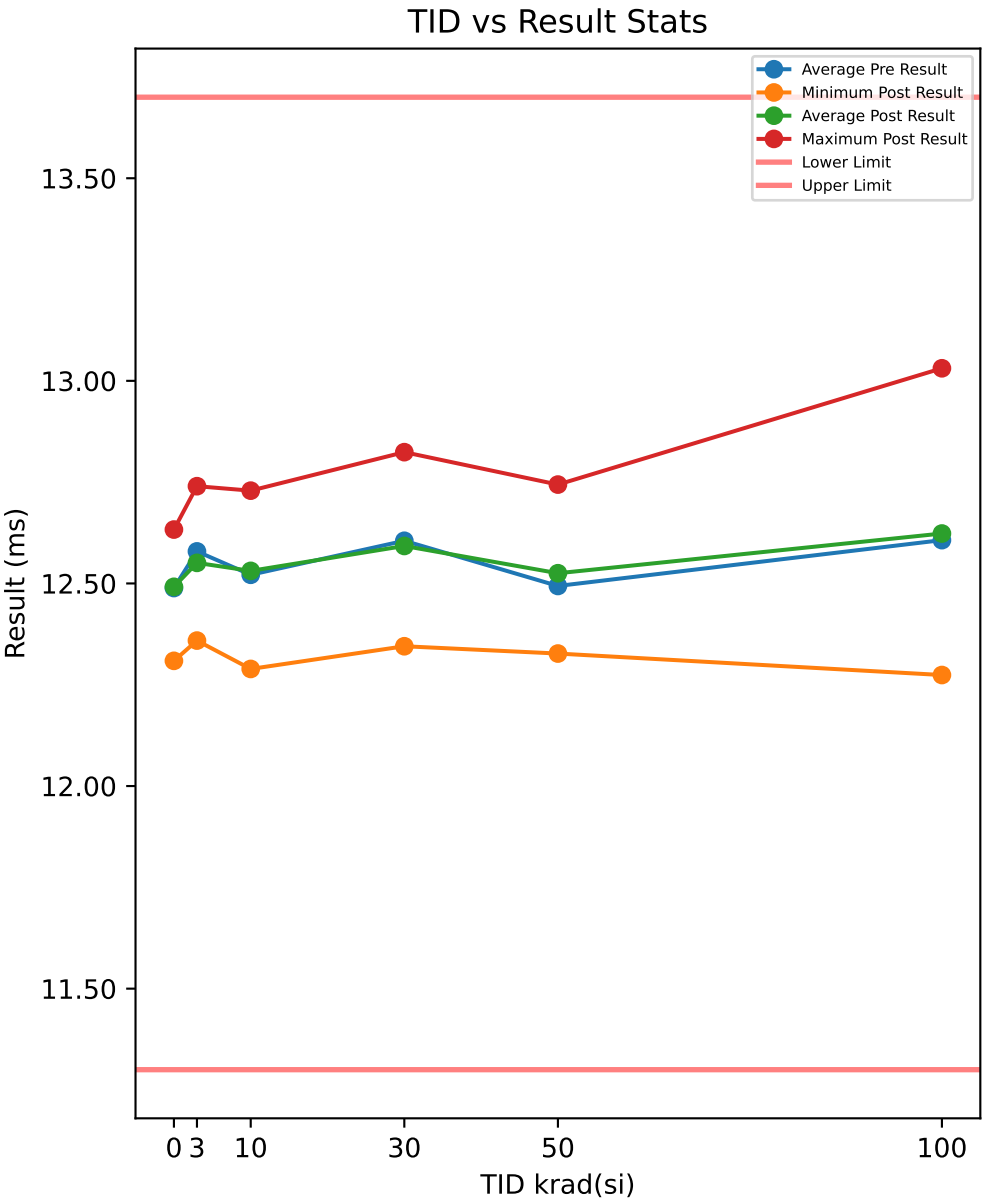


Test Results (Lower Limit = 0.8, Upper Limit = 1.2 (s))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 1.089      | 1.089       | 0      |
| 301      | 0        | Correlation         | 1.063      | 1.063       | 0      |
| 302      | 0        | Correlation         | 1.072      | 1.072       | 0      |
| 303      | 3        | Bias                | 1.079      | 1.08        | 0.001  |
| 304      | 3        | Bias                | 1.06       | 1.06        | 0      |
| 305      | 3        | Bias                | 1.055      | 1.054       | -0.001 |
| 306      | 3        | Bias                | 1.065      | 1.065       | 0      |
| 307      | 3        | Bias                | 1.064      | 1.064       | 0      |
| 308      | 3        | Unbiased            | 1.072      | 1.071       | -0.001 |
| 309      | 3        | Unbiased            | 1.06       | 1.06        | 0      |
| 310      | 3        | Unbiased            | 1.064      | 1.064       | 0      |
| 311      | 3        | Unbiased            | 1.068      | 1.067       | -0.001 |
| 312      | 3        | Unbiased            | 1.071      | 1.072       | 0.001  |
| 313      | 10       | Bias                | 1.053      | 1.056       | 0.003  |
| 314      | 10       | Bias                | 1.066      | 1.064       | -0.002 |
| 315      | 10       | Bias                | 1.07       | 1.071       | 0.001  |
| 316      | 10       | Bias                | 1.061      | 1.06        | -0.001 |
| 317      | 10       | Bias                | 1.06       | 1.06        | 0      |
| 318      | 10       | Unbiased            | 1.072      | 1.07        | -0.002 |
| 319      | 10       | Unbiased            | 1.067      | 1.069       | 0.002  |
| 320      | 10       | Unbiased            | 1.057      | 1.066       | 0.009  |
| 321      | 10       | Unbiased            | 1.062      | 1.061       | -0.001 |
| 322      | 10       | Unbiased            | 1.077      | 1.076       | -0.001 |
| 323      | 30       | Bias                | 1.053      | 1.051       | -0.002 |
| 324      | 30       | Bias                | 1.049      | 1.049       | 0      |
| 325      | 30       | Bias                | 1.081      | 1.08        | -0.001 |
| 326      | 30       | Bias                | 1.064      | 1.064       | 0      |
| 327      | 30       | Bias                | 1.058      | 1.058       | 0      |
| 328      | 30       | Unbiased            | 1.075      | 1.078       | 0.003  |
| 329      | 30       | Unbiased            | 1.063      | 1.062       | -0.001 |
| 330      | 30       | Unbiased            | 1.074      | 1.075       | 0.001  |
| 331      | 30       | Unbiased            | 1.07       | 1.071       | 0.001  |
| 332      | 30       | Unbiased            | 1.075      | 1.075       | 0      |
| 333      | 50       | Bias                | 1.069      | 1.071       | 0.002  |
| 334      | 50       | Bias                | 1.06       | 1.059       | -0.001 |
| 335      | 50       | Bias                | 1.086      | 1.087       | 0.001  |
| 336      | 50       | Bias                | 1.059      | 1.059       | 0      |
| 337      | 50       | Bias                | 1.058      | 1.062       | 0.004  |
| 338      | 50       | Unbiased            | 1.061      | 1.065       | 0.004  |
| 339      | 50       | Unbiased            | 1.058      | 1.061       | 0.003  |
| 340      | 50       | Unbiased            | 1.067      | 1.073       | 0.006  |
| 341      | 50       | Unbiased            | 1.056      | 1.063       | 0.007  |
| 342      | 50       | Unbiased            | 1.08       | 1.08        | 0      |
| 343      | 100      | Bias                | 1.068      | 1.064       | -0.004 |
| 344      | 100      | Bias                | 1.045      | 1.043       | -0.002 |
| 345      | 100      | Bias                | 1.056      | 1.058       | 0.002  |
| 346      | 100      | Bias                | 1.059      | 1.067       | 0.008  |
| 347      | 100      | Bias                | 1.085      | 1.092       | 0.007  |
| 348      | 100      | Unbiased            | 1.049      | 1.052       | 0.003  |
| 349      | 100      | Unbiased            | 1.058      | 1.056       | -0.002 |
| 350      | 100      | Unbiased            | 1.074      | 1.079       | 0.005  |
| 351      | 100      | Unbiased            | 1.062      | 1.069       | 0.007  |
| 352      | 100      | Unbiased            | 1.073      | 1.077       | 0.004  |

Test Statistics (s)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| 0        | 1.063            | 1.0747           | 1.089            | 0.013204         | 1.063             | 1.0747            | 1.089             | 0.013204          | 0         | 0         | 0         | 0          |
| 3        | 1.055            | 1.0658           | 1.079            | 0.006957         | 1.054             | 1.0657            | 1.08              | 0.0073189         | -0.001    | -0.0001   | 0.001     | 0.00073786 |
| 10       | 1.053            | 1.0645           | 1.077            | 0.0072915        | 1.056             | 1.0653            | 1.076             | 0.0062013         | -0.002    | 0.0008    | 0.009     | 0.0033267  |
| 30       | 1.049            | 1.0662           | 1.081            | 0.010549         | 1.049             | 1.0663            | 1.08              | 0.011176          | -0.002    | 0.0001    | 0.003     | 0.0013703  |
| 50       | 1.056            | 1.0654           | 1.086            | 0.010222         | 1.059             | 1.068             | 1.087             | 0.0095452         | -0.001    | 0.0026    | 0.007     | 0.002675   |
| 100      | 1.045            | 1.0629           | 1.085            | 0.012206         | 1.043             | 1.0657            | 1.092             | 0.014407          | -0.004    | 0.0028    | 0.008     | 0.0042374  |

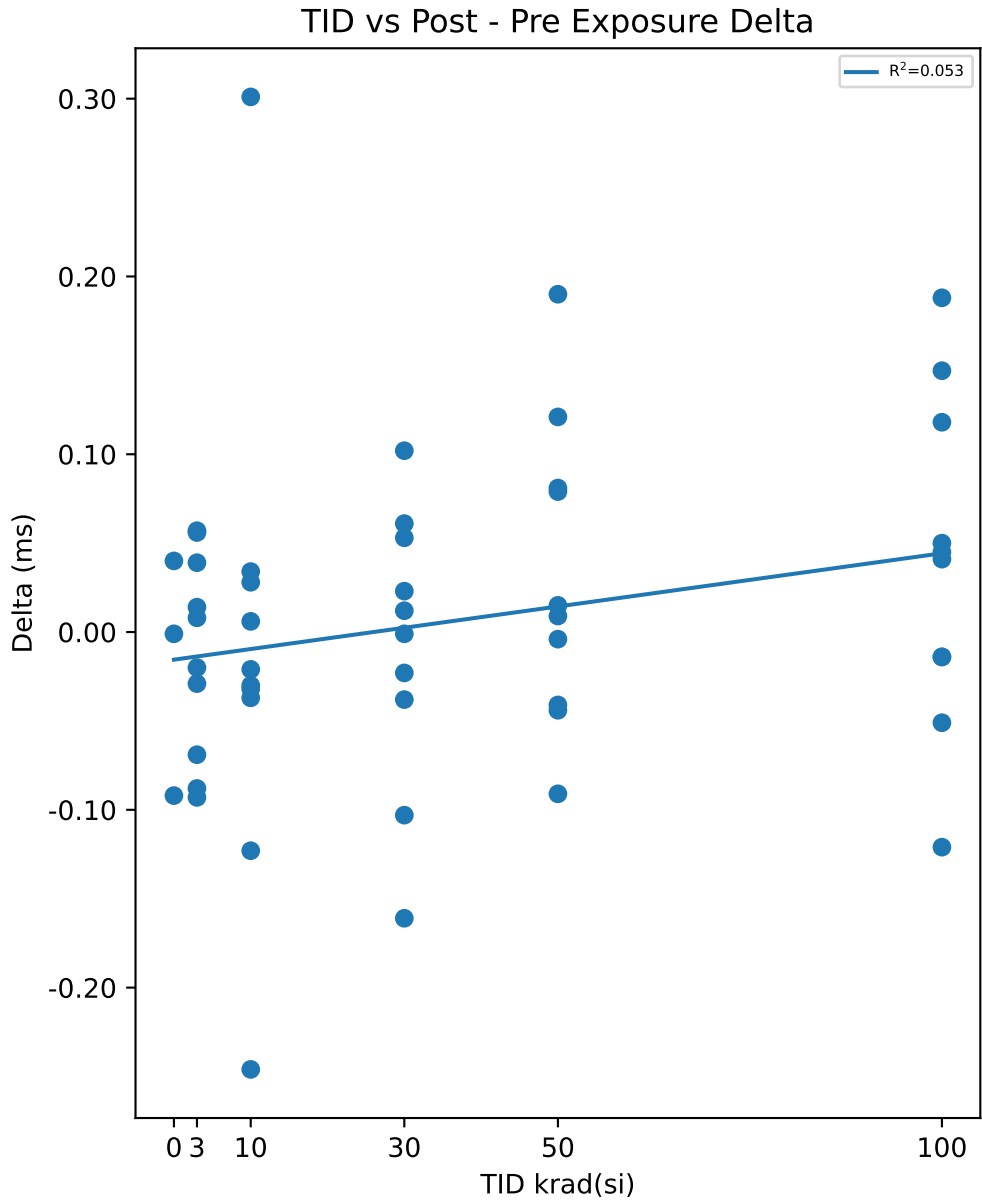
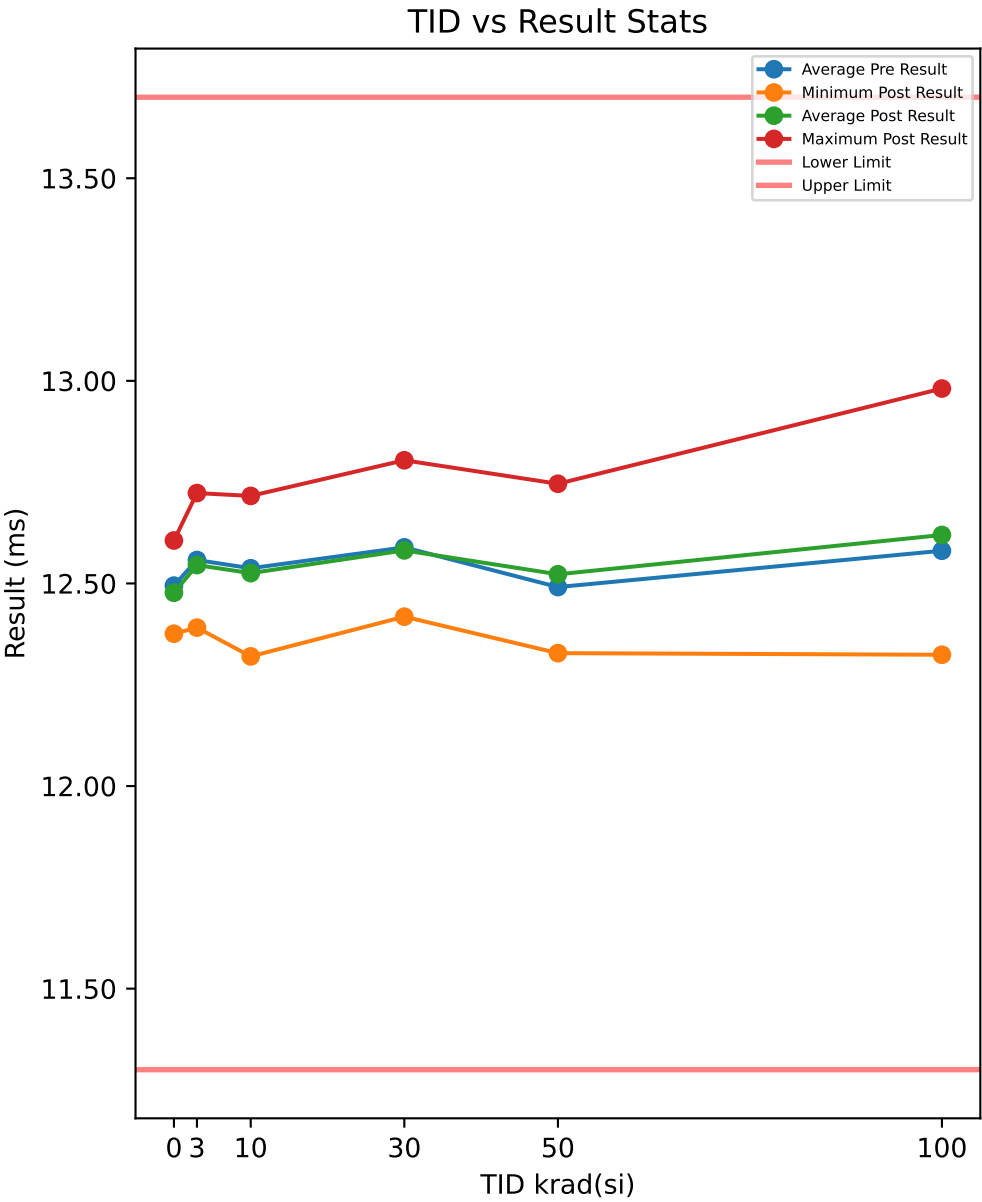


| Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms)) |          |                     |            |             |        |
|------------------------------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                                   | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                                        | 0        | Correlation         | 12.626     | 12.633      | 0.007  |
| 301                                                        | 0        | Correlation         | 12.532     | 12.533      | 0.001  |
| 302                                                        | 0        | Correlation         | 12.308     | 12.309      | 0.001  |
| 303                                                        | 3        | Bias                | 12.456     | 12.414      | -0.042 |
| 304                                                        | 3        | Bias                | 12.472     | 12.453      | -0.019 |
| 305                                                        | 3        | Bias                | 12.751     | 12.691      | -0.06  |
| 306                                                        | 3        | Bias                | 12.713     | 12.633      | -0.08  |
| 307                                                        | 3        | Bias                | 12.467     | 12.48       | 0.013  |
| 308                                                        | 3        | Unbiased            | 12.406     | 12.359      | -0.047 |
| 309                                                        | 3        | Unbiased            | 12.774     | 12.73       | -0.044 |
| 310                                                        | 3        | Unbiased            | 12.722     | 12.74       | 0.018  |
| 311                                                        | 3        | Unbiased            | 12.488     | 12.466      | -0.022 |
| 312                                                        | 3        | Unbiased            | 12.542     | 12.542      | 0      |
| 313                                                        | 10       | Bias                | 12.323     | 12.352      | 0.029  |
| 314                                                        | 10       | Bias                | 12.506     | 12.492      | -0.014 |
| 315                                                        | 10       | Bias                | 12.362     | 12.289      | -0.073 |
| 316                                                        | 10       | Bias                | 12.567     | 12.589      | 0.022  |
| 317                                                        | 10       | Bias                | 12.681     | 12.729      | 0.048  |
| 318                                                        | 10       | Unbiased            | 12.728     | 12.664      | -0.064 |
| 319                                                        | 10       | Unbiased            | 12.326     | 12.322      | -0.004 |
| 320                                                        | 10       | Unbiased            | 12.733     | 12.43       | -0.303 |
| 321                                                        | 10       | Unbiased            | 12.337     | 12.722      | 0.385  |
| 322                                                        | 10       | Unbiased            | 12.651     | 12.721      | 0.07   |
| 323                                                        | 30       | Bias                | 12.576     | 12.5        | -0.076 |
| 324                                                        | 30       | Bias                | 12.519     | 12.494      | -0.025 |
| 325                                                        | 30       | Bias                | 12.696     | 12.625      | -0.071 |
| 326                                                        | 30       | Bias                | 12.577     | 12.703      | 0.126  |
| 327                                                        | 30       | Bias                | 12.352     | 12.345      | -0.007 |
| 328                                                        | 30       | Unbiased            | 12.691     | 12.629      | -0.062 |
| 329                                                        | 30       | Unbiased            | 12.853     | 12.805      | -0.048 |
| 330                                                        | 30       | Unbiased            | 12.618     | 12.504      | -0.114 |
| 331                                                        | 30       | Unbiased            | 12.456     | 12.496      | 0.04   |
| 332                                                        | 30       | Unbiased            | 12.715     | 12.824      | 0.109  |
| 333                                                        | 50       | Bias                | 12.39      | 12.472      | 0.082  |
| 334                                                        | 50       | Bias                | 12.744     | 12.686      | -0.058 |
| 335                                                        | 50       | Bias                | 12.44      | 12.496      | 0.056  |
| 336                                                        | 50       | Bias                | 12.579     | 12.744      | 0.165  |
| 337                                                        | 50       | Bias                | 12.39      | 12.327      | -0.063 |
| 338                                                        | 50       | Unbiased            | 12.324     | 12.335      | 0.011  |
| 339                                                        | 50       | Unbiased            | 12.368     | 12.407      | 0.039  |
| 340                                                        | 50       | Unbiased            | 12.531     | 12.483      | -0.048 |
| 341                                                        | 50       | Unbiased            | 12.658     | 12.722      | 0.064  |
| 342                                                        | 50       | Unbiased            | 12.514     | 12.58       | 0.066  |
| 343                                                        | 100      | Bias                | 12.603     | 12.677      | 0.074  |
| 344                                                        | 100      | Bias                | 12.471     | 12.392      | -0.079 |
| 345                                                        | 100      | Bias                | 12.712     | 12.704      | -0.008 |
| 346                                                        | 100      | Bias                | 12.515     | 12.274      | -0.241 |
| 347                                                        | 100      | Bias                | 12.289     | 12.353      | 0.064  |
| 348                                                        | 100      | Unbiased            | 12.837     | 13.031      | 0.194  |
| 349                                                        | 100      | Unbiased            | 12.644     | 12.637      | -0.007 |
| 350                                                        | 100      | Unbiased            | 12.694     | 12.683      | -0.011 |
| 351                                                        | 100      | Unbiased            | 12.771     | 12.906      | 0.135  |
| 352                                                        | 100      | Unbiased            | 12.533     | 12.575      | 0.042  |

Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.308           | 12.489           | 12.626           | 0.16337          | 12.309            | 12.492            | 12.633            | 0.16591           | 0.001     | 0.003     | 0.007     | 0.0034641 |
| 3        | 12.406           | 12.579           | 12.774           | 0.14326          | 12.359            | 12.551            | 12.74             | 0.13811           | -0.08     | -0.0283   | 0.018     | 0.032038  |
| 10       | 12.323           | 12.521           | 12.733           | 0.17288          | 12.289            | 12.531            | 12.729            | 0.17602           | -0.303    | 0.0096    | 0.385     | 0.16908   |
| 30       | 12.352           | 12.605           | 12.853           | 0.14325          | 12.345            | 12.592            | 12.824            | 0.15275           | -0.114    | -0.0128   | 0.126     | 0.080522  |
| 50       | 12.324           | 12.494           | 12.744           | 0.13651          | 12.327            | 12.525            | 12.744            | 0.15288           | -0.063    | 0.0314    | 0.165     | 0.072231  |
| 100      | 12.289           | 12.607           | 12.837           | 0.16102          | 12.274            | 12.623            | 13.031            | 0.23809           | -0.241    | 0.0163    | 0.194     | 0.11977   |



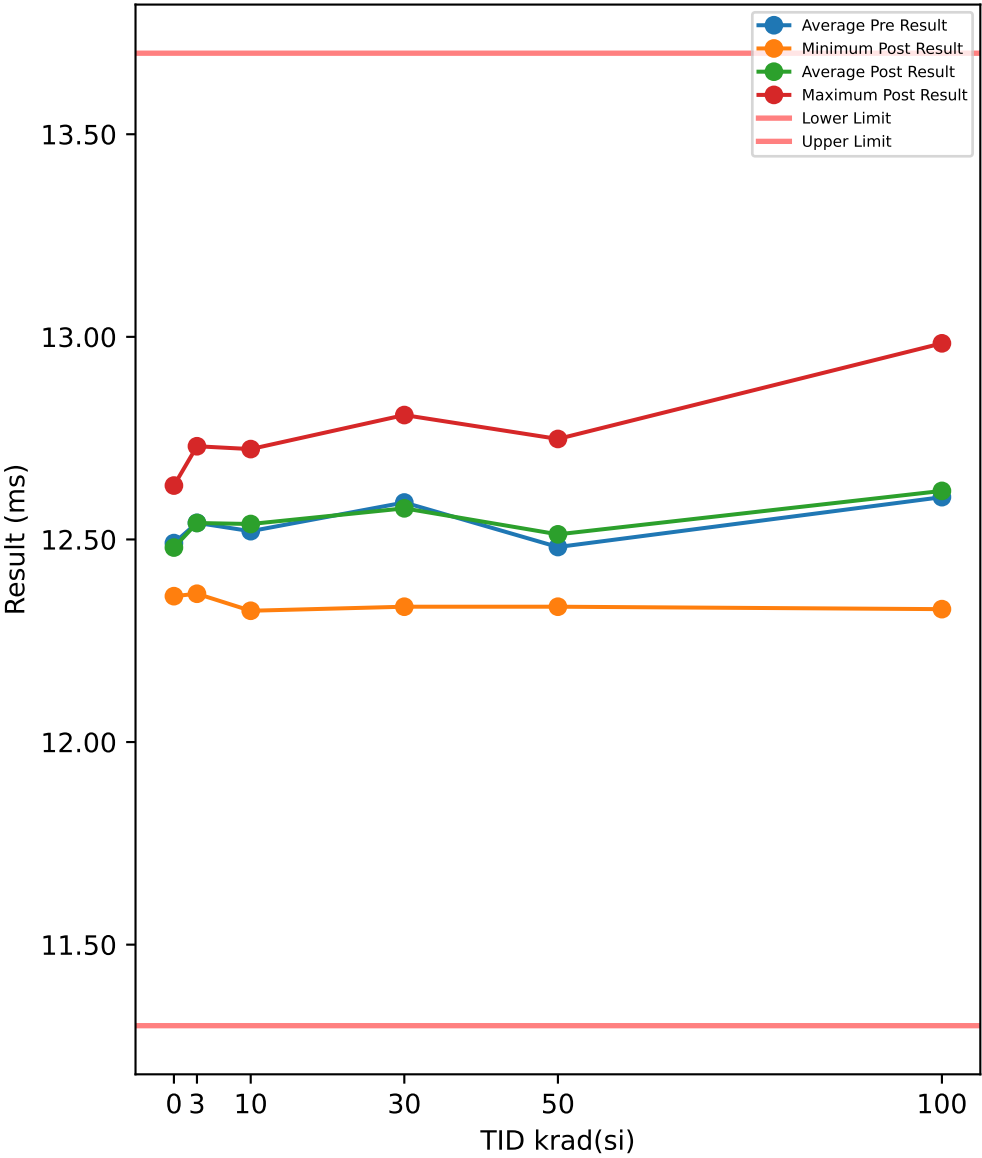


| Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms)) |          |                     |            |             |        |
|------------------------------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                                   | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                                        | 0        | Correlation         | 12.698     | 12.606      | -0.092 |
| 301                                                        | 0        | Correlation         | 12.45      | 12.449      | -0.001 |
| 302                                                        | 0        | Correlation         | 12.336     | 12.376      | 0.04   |
| 303                                                        | 3        | Bias                | 12.484     | 12.391      | -0.093 |
| 304                                                        | 3        | Bias                | 12.407     | 12.446      | 0.039  |
| 305                                                        | 3        | Bias                | 12.684     | 12.655      | -0.029 |
| 306                                                        | 3        | Bias                | 12.65      | 12.658      | 0.008  |
| 307                                                        | 3        | Bias                | 12.449     | 12.506      | 0.057  |
| 308                                                        | 3        | Unbiased            | 12.383     | 12.439      | 0.056  |
| 309                                                        | 3        | Unbiased            | 12.743     | 12.723      | -0.02  |
| 310                                                        | 3        | Unbiased            | 12.743     | 12.674      | -0.069 |
| 311                                                        | 3        | Unbiased            | 12.484     | 12.498      | 0.014  |
| 312                                                        | 3        | Unbiased            | 12.551     | 12.463      | -0.088 |
| 313                                                        | 10       | Bias                | 12.39      | 12.369      | -0.021 |
| 314                                                        | 10       | Bias                | 12.53      | 12.407      | -0.123 |
| 315                                                        | 10       | Bias                | 12.356     | 12.362      | 0.006  |
| 316                                                        | 10       | Bias                | 12.532     | 12.566      | 0.034  |
| 317                                                        | 10       | Bias                | 12.71      | 12.68       | -0.03  |
| 318                                                        | 10       | Unbiased            | 12.702     | 12.665      | -0.037 |
| 319                                                        | 10       | Unbiased            | 12.352     | 12.32       | -0.032 |
| 320                                                        | 10       | Unbiased            | 12.707     | 12.461      | -0.246 |
| 321                                                        | 10       | Unbiased            | 12.415     | 12.716      | 0.301  |
| 322                                                        | 10       | Unbiased            | 12.681     | 12.709      | 0.028  |
| 323                                                        | 30       | Bias                | 12.5       | 12.499      | -0.001 |
| 324                                                        | 30       | Bias                | 12.532     | 12.429      | -0.103 |
| 325                                                        | 30       | Bias                | 12.626     | 12.638      | 0.012  |
| 326                                                        | 30       | Bias                | 12.567     | 12.669      | 0.102  |
| 327                                                        | 30       | Bias                | 12.395     | 12.418      | 0.023  |
| 328                                                        | 30       | Unbiased            | 12.619     | 12.596      | -0.023 |
| 329                                                        | 30       | Unbiased            | 12.822     | 12.784      | -0.038 |
| 330                                                        | 30       | Unbiased            | 12.669     | 12.508      | -0.161 |
| 331                                                        | 30       | Unbiased            | 12.41      | 12.471      | 0.061  |
| 332                                                        | 30       | Unbiased            | 12.751     | 12.804      | 0.053  |
| 333                                                        | 50       | Bias                | 12.412     | 12.408      | -0.004 |
| 334                                                        | 50       | Bias                | 12.699     | 12.714      | 0.015  |
| 335                                                        | 50       | Bias                | 12.414     | 12.495      | 0.081  |
| 336                                                        | 50       | Bias                | 12.551     | 12.741      | 0.19   |
| 337                                                        | 50       | Bias                | 12.419     | 12.328      | -0.091 |
| 338                                                        | 50       | Unbiased            | 12.319     | 12.328      | 0.009  |
| 339                                                        | 50       | Unbiased            | 12.398     | 12.477      | 0.079  |
| 340                                                        | 50       | Unbiased            | 12.517     | 12.473      | -0.044 |
| 341                                                        | 50       | Unbiased            | 12.625     | 12.746      | 0.121  |
| 342                                                        | 50       | Unbiased            | 12.557     | 12.516      | -0.041 |
| 343                                                        | 100      | Bias                | 12.55      | 12.668      | 0.118  |
| 344                                                        | 100      | Bias                | 12.401     | 12.387      | -0.014 |
| 345                                                        | 100      | Bias                | 12.731     | 12.781      | 0.05   |
| 346                                                        | 100      | Bias                | 12.445     | 12.324      | -0.121 |
| 347                                                        | 100      | Bias                | 12.364     | 12.409      | 0.045  |
| 348                                                        | 100      | Unbiased            | 12.793     | 12.981      | 0.188  |
| 349                                                        | 100      | Unbiased            | 12.624     | 12.573      | -0.051 |
| 350                                                        | 100      | Unbiased            | 12.703     | 12.689      | -0.014 |
| 351                                                        | 100      | Unbiased            | 12.738     | 12.885      | 0.147  |
| 352                                                        | 100      | Unbiased            | 12.458     | 12.499      | 0.041  |

Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.336           | 12.495           | 12.698           | 0.18509          | 12.376            | 12.477            | 12.606            | 0.11753           | -0.092    | -0.017667 | 0.04      | 0.06756   |
| 3        | 12.383           | 12.558           | 12.743           | 0.13707          | 12.391            | 12.545            | 12.723            | 0.11944           | -0.093    | -0.0125   | 0.057     | 0.056763  |
| 10       | 12.352           | 12.537           | 12.71            | 0.15288          | 12.32             | 12.525            | 12.716            | 0.15867           | -0.246    | -0.012    | 0.301     | 0.13765   |
| 30       | 12.395           | 12.589           | 12.822           | 0.13765          | 12.418            | 12.582            | 12.804            | 0.13983           | -0.161    | -0.0075   | 0.102     | 0.078562  |
| 50       | 12.319           | 12.491           | 12.699           | 0.11806          | 12.328            | 12.523            | 12.746            | 0.15932           | -0.091    | 0.0315    | 0.19      | 0.085531  |
| 100      | 12.364           | 12.581           | 12.793           | 0.15737          | 12.324            | 12.62             | 12.981            | 0.2203            | -0.121    | 0.0389    | 0.188     | 0.094036  |

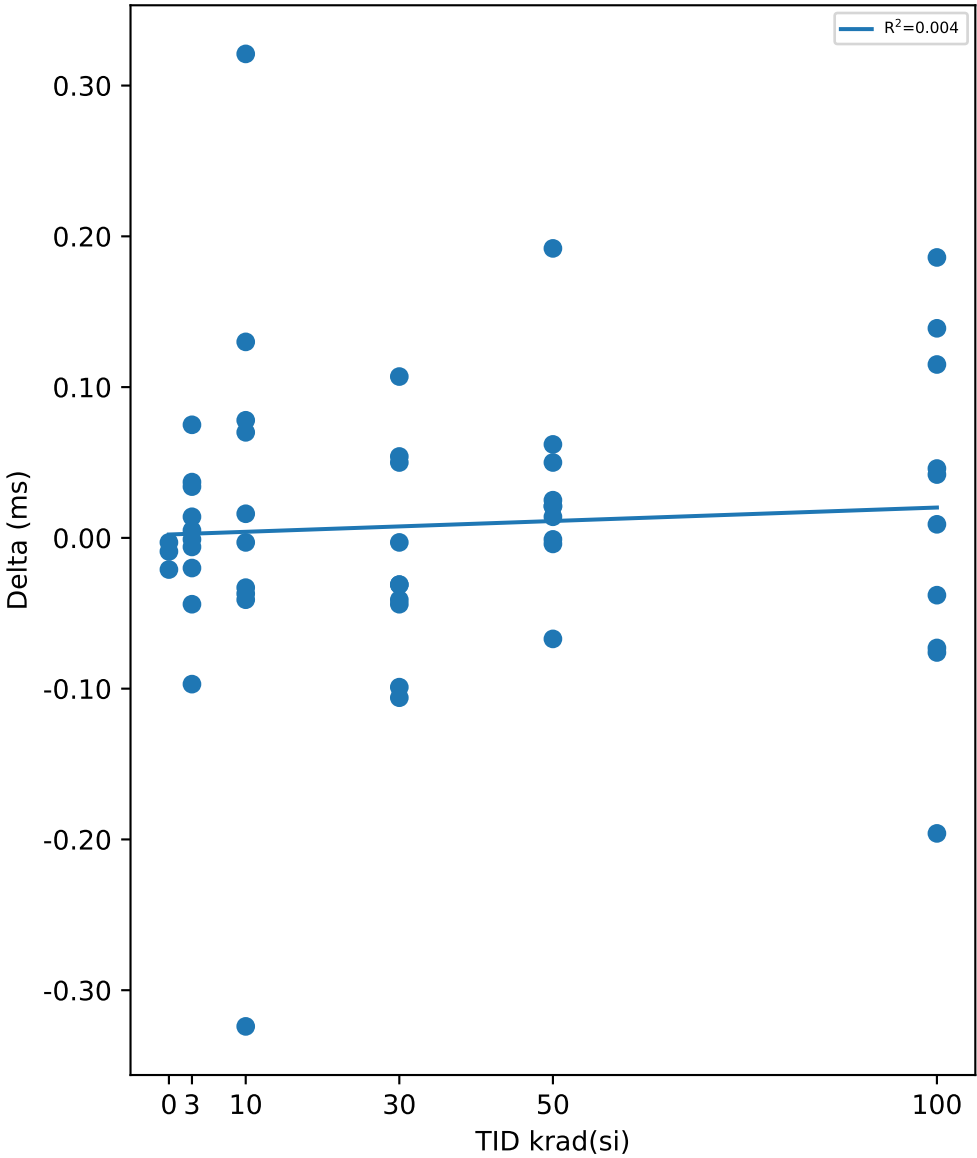
TID vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 12.636     | 12.633      | -0.003 |
| 301      | 0        | Correlation         | 12.456     | 12.447      | -0.009 |
| 302      | 0        | Correlation         | 12.381     | 12.36       | -0.021 |
| 303      | 3        | Bias                | 12.392     | 12.467      | 0.075  |
| 304      | 3        | Bias                | 12.496     | 12.53       | 0.034  |
| 305      | 3        | Bias                | 12.691     | 12.647      | -0.044 |
| 306      | 3        | Bias                | 12.657     | 12.662      | 0.005  |
| 307      | 3        | Bias                | 12.527     | 12.43       | -0.097 |
| 308      | 3        | Unbiased            | 12.329     | 12.366      | 0.037  |
| 309      | 3        | Unbiased            | 12.75      | 12.73       | -0.02  |
| 310      | 3        | Unbiased            | 12.68      | 12.679      | -0.001 |
| 311      | 3        | Unbiased            | 12.41      | 12.424      | 0.014  |
| 312      | 3        | Unbiased            | 12.477     | 12.471      | -0.006 |
| 313      | 10       | Bias                | 12.299     | 12.369      | 0.07   |
| 314      | 10       | Bias                | 12.524     | 12.483      | -0.041 |
| 315      | 10       | Bias                | 12.271     | 12.349      | 0.078  |
| 316      | 10       | Bias                | 12.533     | 12.663      | 0.13   |
| 317      | 10       | Bias                | 12.717     | 12.714      | -0.003 |
| 318      | 10       | Unbiased            | 12.708     | 12.671      | -0.037 |
| 319      | 10       | Unbiased            | 12.357     | 12.324      | -0.033 |
| 320      | 10       | Unbiased            | 12.706     | 12.382      | -0.324 |
| 321      | 10       | Unbiased            | 12.402     | 12.723      | 0.321  |
| 322      | 10       | Unbiased            | 12.687     | 12.703      | 0.016  |
| 323      | 30       | Bias                | 12.489     | 12.458      | -0.031 |
| 324      | 30       | Bias                | 12.535     | 12.436      | -0.099 |
| 325      | 30       | Bias                | 12.632     | 12.629      | -0.003 |
| 326      | 30       | Bias                | 12.566     | 12.673      | 0.107  |
| 327      | 30       | Bias                | 12.378     | 12.334      | -0.044 |
| 328      | 30       | Unbiased            | 12.626     | 12.595      | -0.031 |
| 329      | 30       | Unbiased            | 12.829     | 12.788      | -0.041 |
| 330      | 30       | Unbiased            | 12.613     | 12.507      | -0.106 |
| 331      | 30       | Unbiased            | 12.487     | 12.541      | 0.054  |
| 332      | 30       | Unbiased            | 12.757     | 12.807      | 0.05   |
| 333      | 50       | Bias                | 12.353     | 12.415      | 0.062  |
| 334      | 50       | Bias                | 12.707     | 12.703      | -0.004 |
| 335      | 50       | Bias                | 12.494     | 12.427      | -0.067 |
| 336      | 50       | Bias                | 12.556     | 12.748      | 0.192  |
| 337      | 50       | Bias                | 12.336     | 12.357      | 0.021  |
| 338      | 50       | Unbiased            | 12.313     | 12.334      | 0.021  |
| 339      | 50       | Unbiased            | 12.414     | 12.413      | -0.001 |
| 340      | 50       | Unbiased            | 12.532     | 12.546      | 0.014  |
| 341      | 50       | Unbiased            | 12.631     | 12.681      | 0.05   |
| 342      | 50       | Unbiased            | 12.477     | 12.502      | 0.025  |
| 343      | 100      | Bias                | 12.558     | 12.673      | 0.115  |
| 344      | 100      | Bias                | 12.467     | 12.391      | -0.076 |
| 345      | 100      | Bias                | 12.753     | 12.715      | -0.038 |
| 346      | 100      | Bias                | 12.524     | 12.328      | -0.196 |
| 347      | 100      | Bias                | 12.372     | 12.418      | 0.046  |
| 348      | 100      | Unbiased            | 12.798     | 12.984      | 0.186  |
| 349      | 100      | Unbiased            | 12.652     | 12.579      | -0.073 |
| 350      | 100      | Unbiased            | 12.687     | 12.696      | 0.009  |
| 351      | 100      | Unbiased            | 12.765     | 12.904      | 0.139  |
| 352      | 100      | Unbiased            | 12.468     | 12.51       | 0.042  |

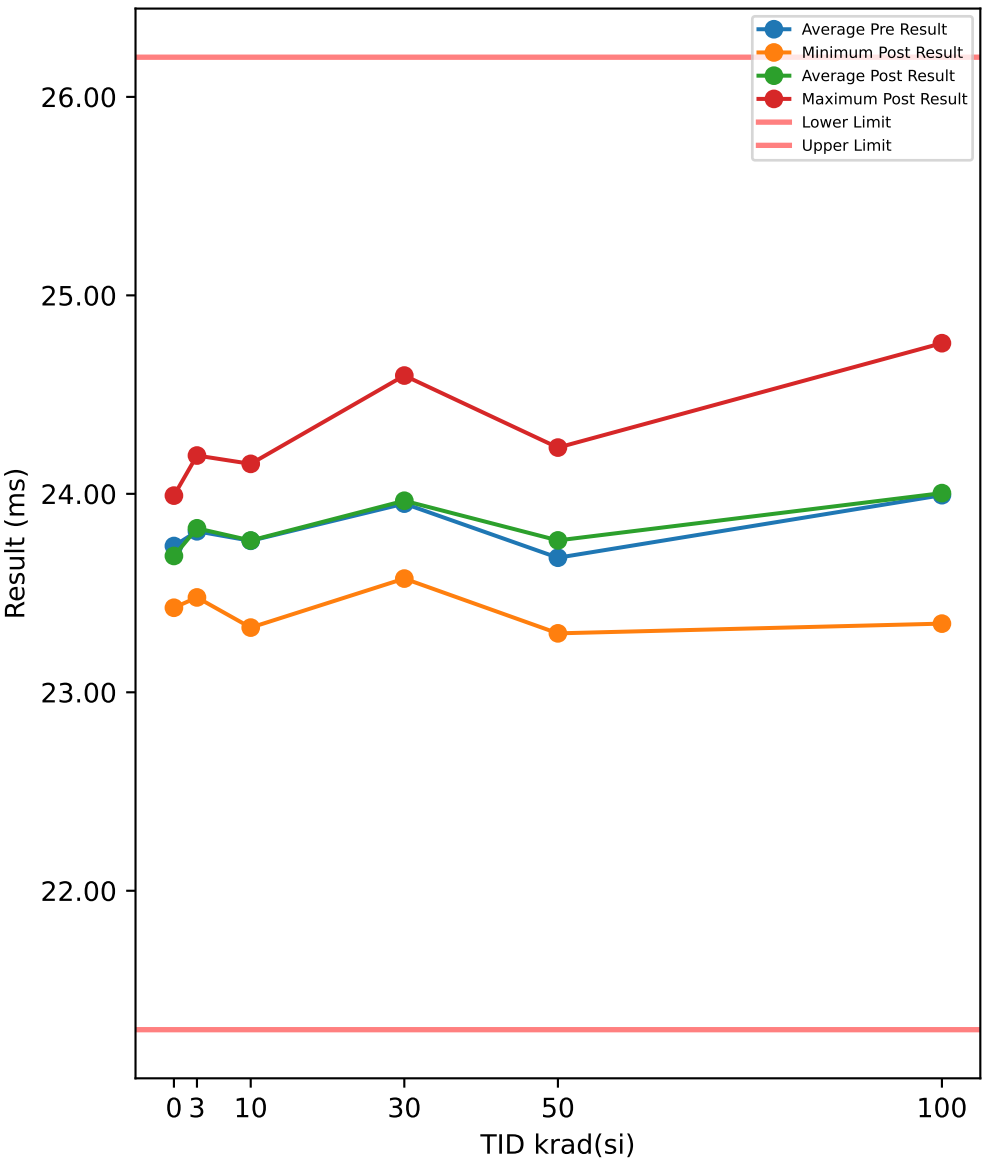
TID vs Post - Pre Exposure Delta



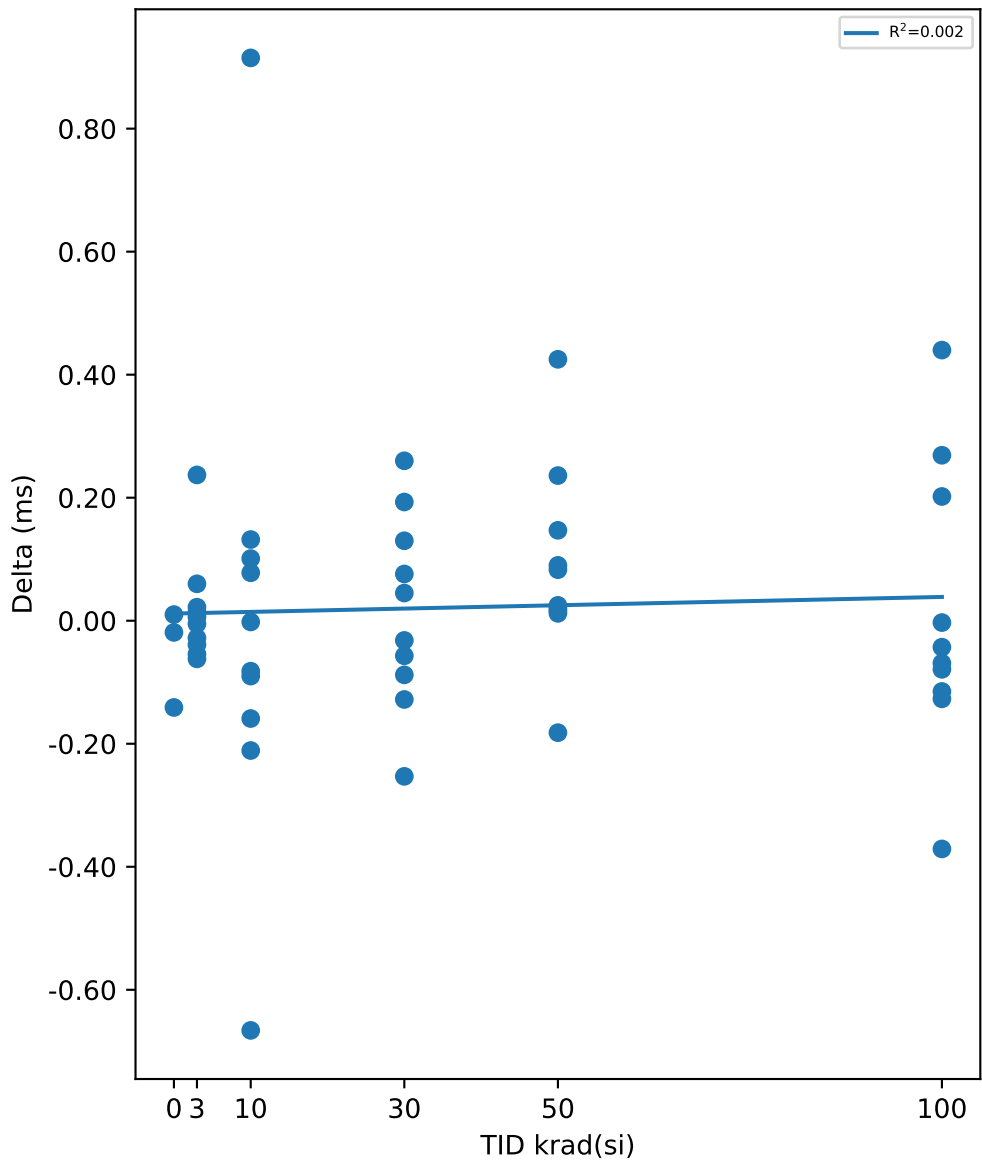
Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.381           | 12.491           | 12.636           | 0.13105          | 12.36             | 12.48             | 12.633            | 0.13946           | -0.021    | -0.011    | -0.003    | 0.0091652 |
| 3        | 12.329           | 12.541           | 12.75            | 0.14514          | 12.366            | 12.541            | 12.73             | 0.12814           | -0.097    | -0.0003   | 0.075     | 0.047319  |
| 10       | 12.271           | 12.52            | 12.717           | 0.17893          | 12.324            | 12.538            | 12.723            | 0.171             | -0.324    | 0.0177    | 0.321     | 0.16233   |
| 30       | 12.378           | 12.591           | 12.829           | 0.13247          | 12.334            | 12.577            | 12.807            | 0.15237           | -0.106    | -0.0144   | 0.107     | 0.067804  |
| 50       | 12.313           | 12.481           | 12.707           | 0.13             | 12.334            | 12.513            | 12.748            | 0.1506            | -0.067    | 0.0313    | 0.192     | 0.066349  |
| 100      | 12.372           | 12.604           | 12.798           | 0.14703          | 12.328            | 12.62             | 12.984            | 0.21681           | -0.196    | 0.0154    | 0.186     | 0.11532   |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



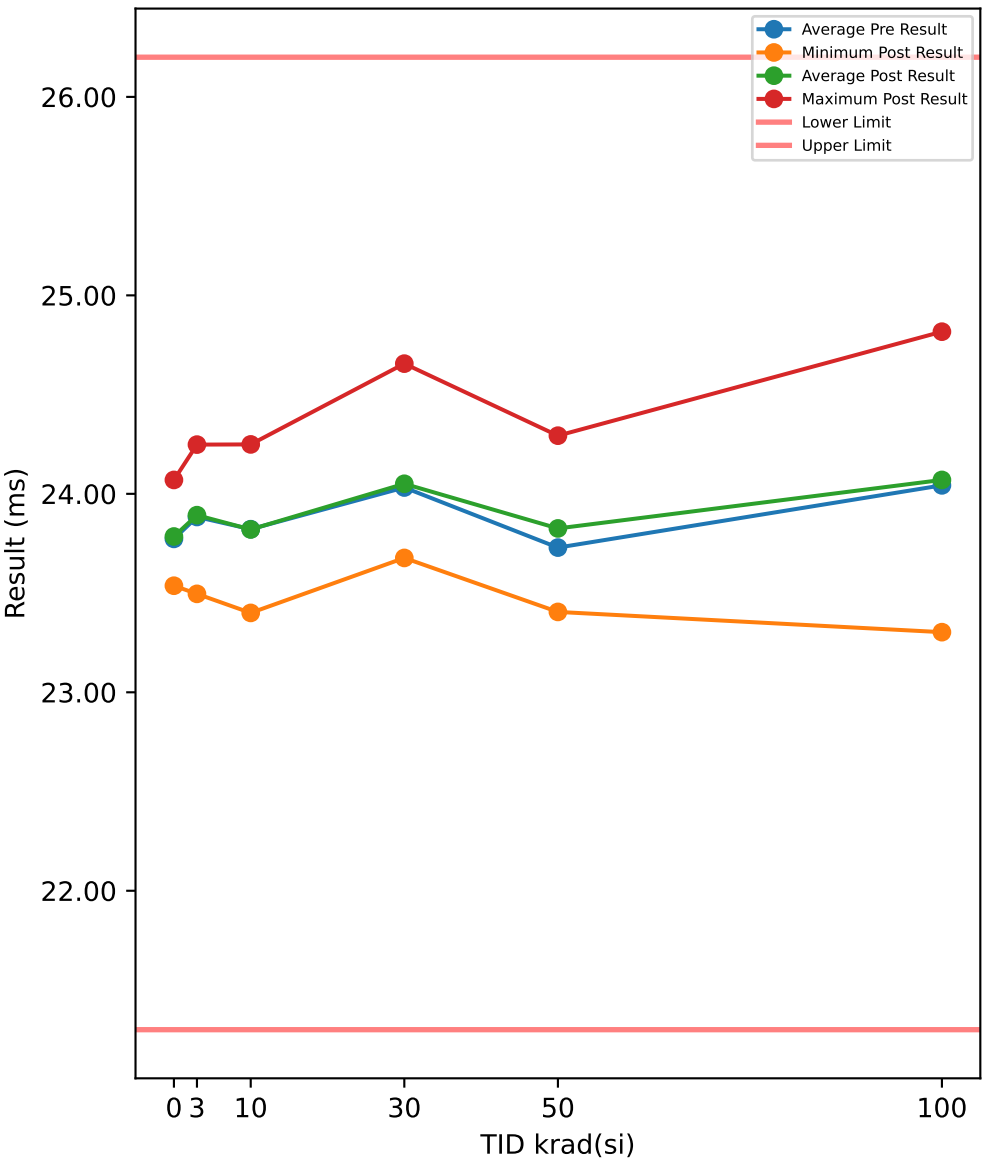
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 24.01      | 23.991      | -0.019 |
| 301      | 0        | Correlation         | 23.634     | 23.644      | 0.01   |
| 302      | 0        | Correlation         | 23.567     | 23.426      | -0.141 |
| 303      | 3        | Bias                | 23.641     | 23.647      | 0.006  |
| 304      | 3        | Bias                | 23.767     | 23.827      | 0.06   |
| 305      | 3        | Bias                | 24.118     | 24.064      | -0.054 |
| 306      | 3        | Bias                | 24.039     | 24.061      | 0.022  |
| 307      | 3        | Bias                | 23.54      | 23.478      | -0.062 |
| 308      | 3        | Unbiased            | 23.309     | 23.546      | 0.237  |
| 309      | 3        | Unbiased            | 24.232     | 24.193      | -0.039 |
| 310      | 3        | Unbiased            | 24.078     | 24.05       | -0.028 |
| 311      | 3        | Unbiased            | 23.701     | 23.696      | -0.005 |
| 312      | 3        | Unbiased            | 23.687     | 23.701      | 0.014  |
| 313      | 10       | Bias                | 23.556     | 23.345      | -0.211 |
| 314      | 10       | Bias                | 23.749     | 23.659      | -0.09  |
| 315      | 10       | Bias                | 23.485     | 23.326      | -0.159 |
| 316      | 10       | Bias                | 23.808     | 23.909      | 0.101  |
| 317      | 10       | Bias                | 24.144     | 24.142      | -0.002 |
| 318      | 10       | Unbiased            | 24.118     | 24.036      | -0.082 |
| 319      | 10       | Unbiased            | 23.319     | 23.451      | 0.132  |
| 320      | 10       | Unbiased            | 24.169     | 23.503      | -0.666 |
| 321      | 10       | Unbiased            | 23.236     | 24.151      | 0.915  |
| 322      | 10       | Unbiased            | 24.049     | 24.127      | 0.078  |
| 323      | 30       | Bias                | 23.938     | 23.81       | -0.128 |
| 324      | 30       | Bias                | 23.765     | 23.677      | -0.088 |
| 325      | 30       | Bias                | 23.993     | 24.038      | 0.045  |
| 326      | 30       | Bias                | 23.877     | 24.137      | 0.26   |
| 327      | 30       | Bias                | 23.497     | 23.573      | 0.076  |
| 328      | 30       | Unbiased            | 23.878     | 23.846      | -0.032 |
| 329      | 30       | Unbiased            | 24.653     | 24.596      | -0.057 |
| 330      | 30       | Unbiased            | 24.185     | 23.932      | -0.253 |
| 331      | 30       | Unbiased            | 23.435     | 23.628      | 0.193  |
| 332      | 30       | Unbiased            | 24.285     | 24.415      | 0.13   |
| 333      | 50       | Bias                | 23.505     | 23.652      | 0.147  |
| 334      | 50       | Bias                | 24.162     | 24.182      | 0.02   |
| 335      | 50       | Bias                | 23.654     | 23.67       | 0.016  |
| 336      | 50       | Bias                | 23.808     | 24.233      | 0.425  |
| 337      | 50       | Bias                | 23.479     | 23.297      | -0.182 |
| 338      | 50       | Unbiased            | 23.281     | 23.517      | 0.236  |
| 339      | 50       | Unbiased            | 23.489     | 23.501      | 0.012  |
| 340      | 50       | Unbiased            | 23.574     | 23.599      | 0.025  |
| 341      | 50       | Unbiased            | 24.003     | 24.093      | 0.09   |
| 342      | 50       | Unbiased            | 23.826     | 23.909      | 0.083  |
| 343      | 100      | Bias                | 23.845     | 24.047      | 0.202  |
| 344      | 100      | Bias                | 23.531     | 23.488      | -0.043 |
| 345      | 100      | Bias                | 24.492     | 24.413      | -0.079 |
| 346      | 100      | Bias                | 23.717     | 23.346      | -0.371 |
| 347      | 100      | Bias                | 23.477     | 23.474      | -0.003 |
| 348      | 100      | Unbiased            | 24.319     | 24.759      | 0.44   |
| 349      | 100      | Unbiased            | 24.226     | 24.099      | -0.127 |
| 350      | 100      | Unbiased            | 24.202     | 24.133      | -0.069 |
| 351      | 100      | Unbiased            | 24.382     | 24.651      | 0.269  |
| 352      | 100      | Unbiased            | 23.741     | 23.626      | -0.115 |

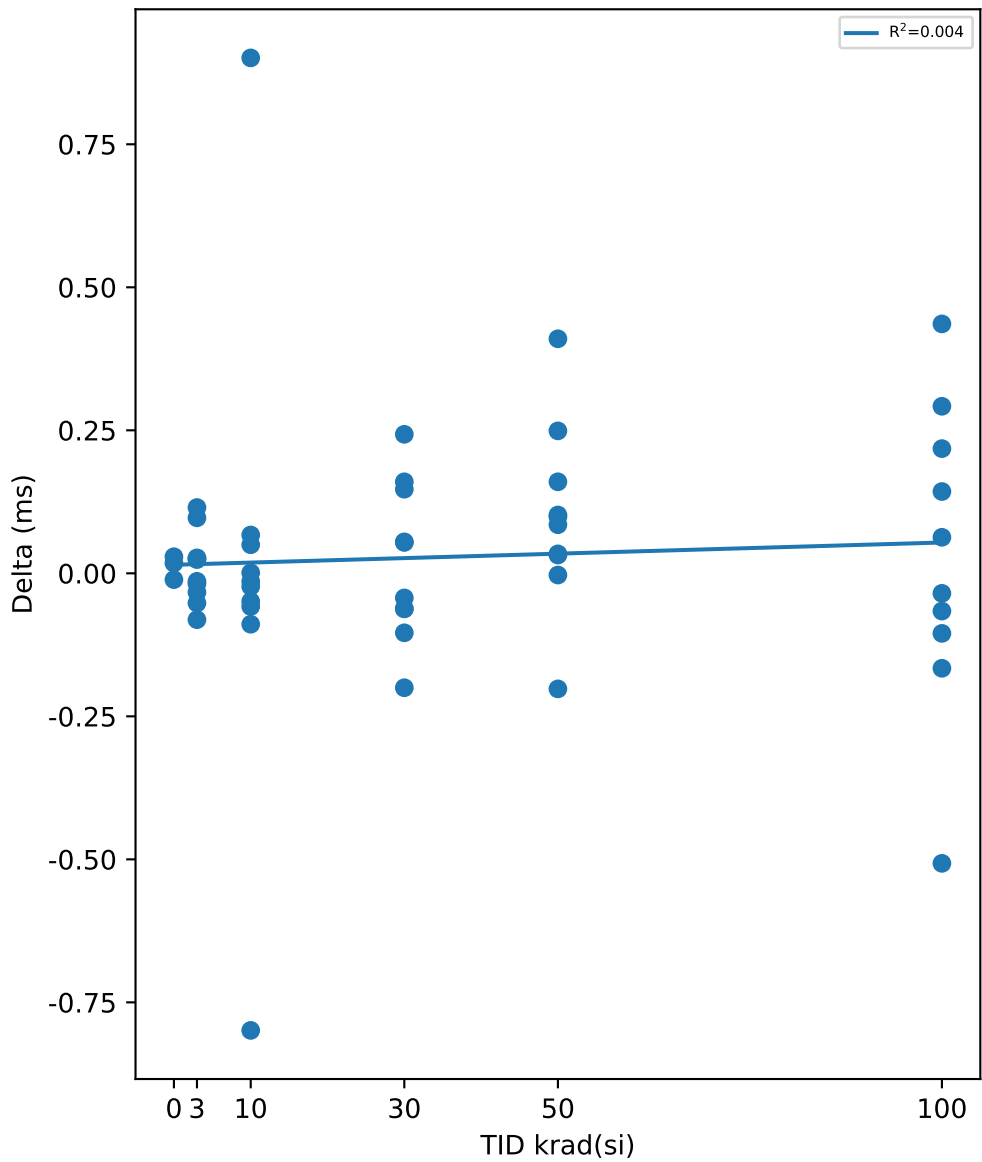
Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 23.567           | 23.737           | 24.01            | 0.23879          | 23.426            | 23.687            | 23.991            | 0.28494           | -0.141    | -0.05     | 0.01      | 0.080131  |
| 3        | 23.309           | 23.811           | 24.232           | 0.29411          | 23.478            | 23.826            | 24.193            | 0.24962           | -0.062    | 0.0151    | 0.237     | 0.086471  |
| 10       | 23.236           | 23.763           | 24.169           | 0.35198          | 23.326            | 23.765            | 24.151            | 0.34383           | -0.666    | 0.0016    | 0.915     | 0.39428   |
| 30       | 23.435           | 23.951           | 24.653           | 0.36191          | 23.573            | 23.965            | 24.596            | 0.33748           | -0.253    | 0.0146    | 0.26      | 0.15629   |
| 50       | 23.281           | 23.678           | 24.162           | 0.26935          | 23.297            | 23.765            | 24.233            | 0.31986           | -0.182    | 0.0872    | 0.425     | 0.16036   |
| 100      | 23.477           | 23.993           | 24.492           | 0.37206          | 23.346            | 24.004            | 24.759            | 0.50623           | -0.371    | 0.0104    | 0.44      | 0.23227   |

TID vs Result Stats

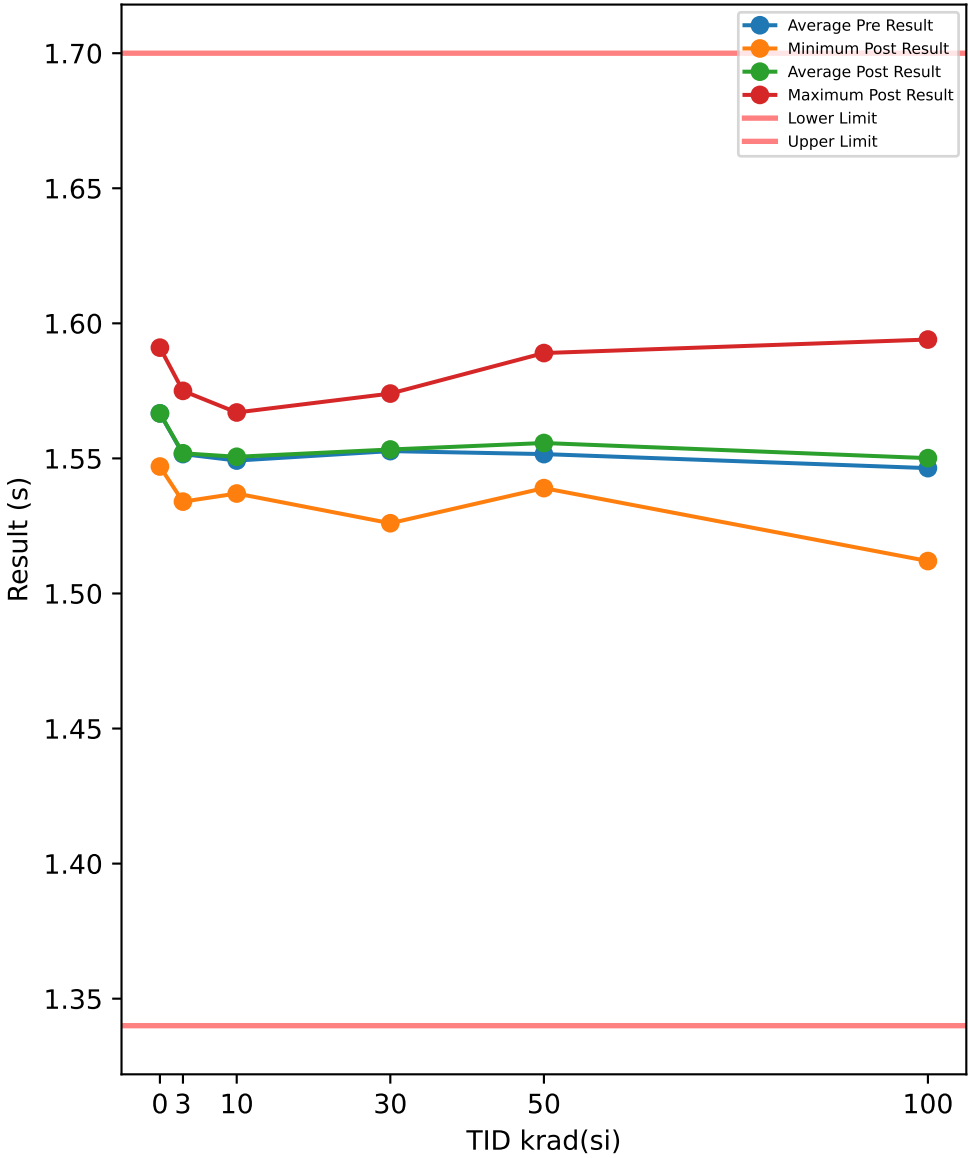


TID vs Post - Pre Exposure Delta

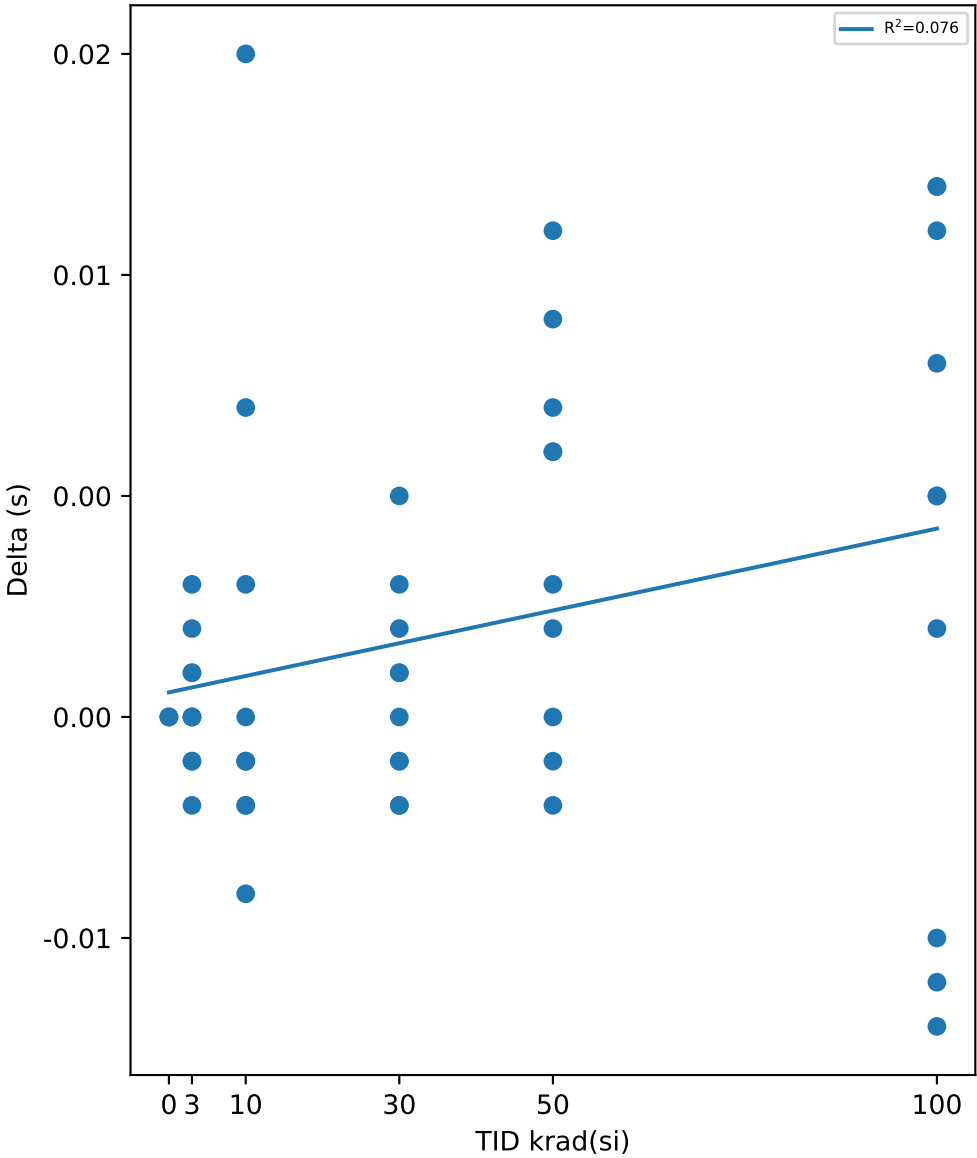


Device Test: 5.70 ; WD\_TMR\_1MOHM

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 1.34, Upper Limit = 1.7 (s))

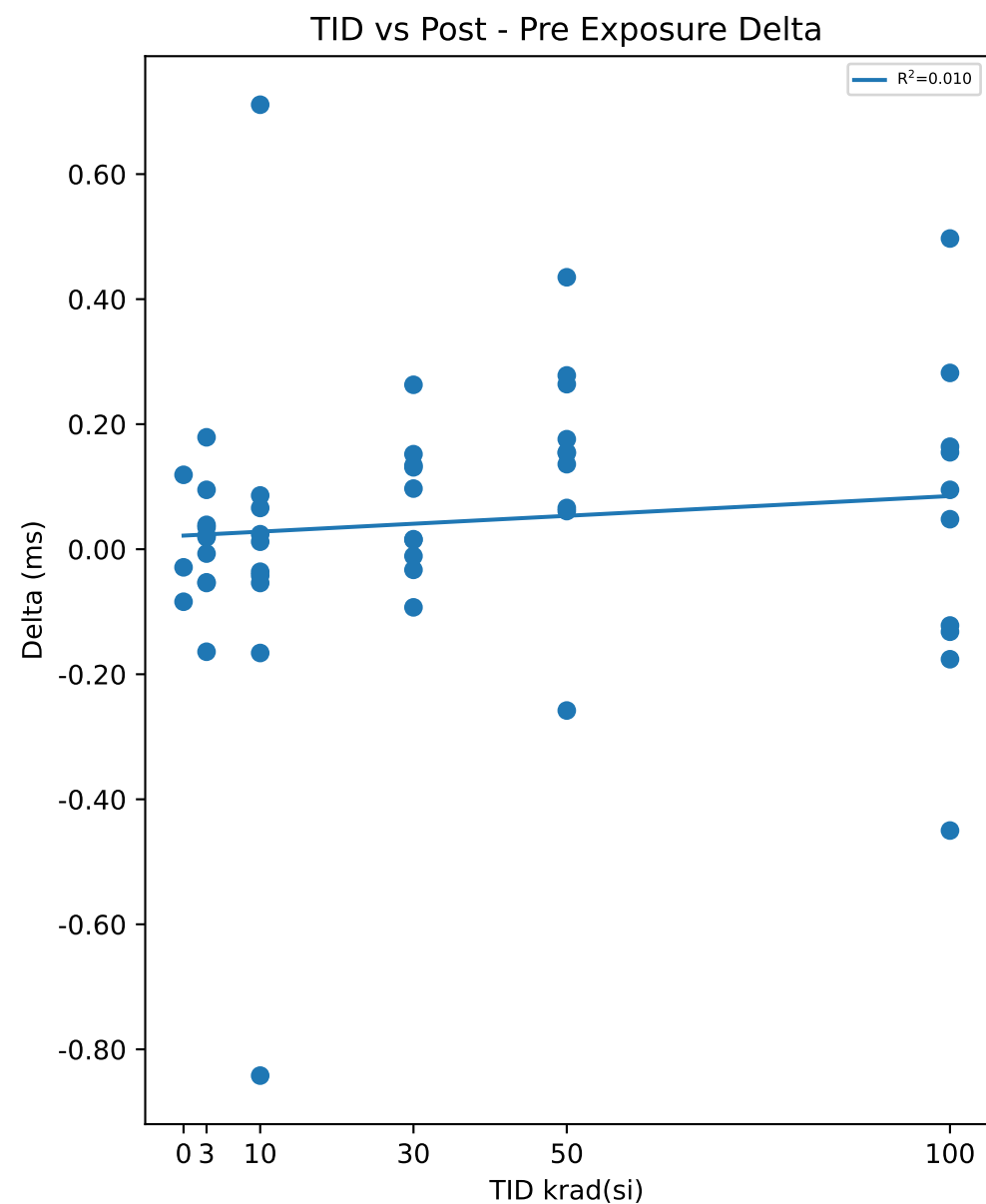
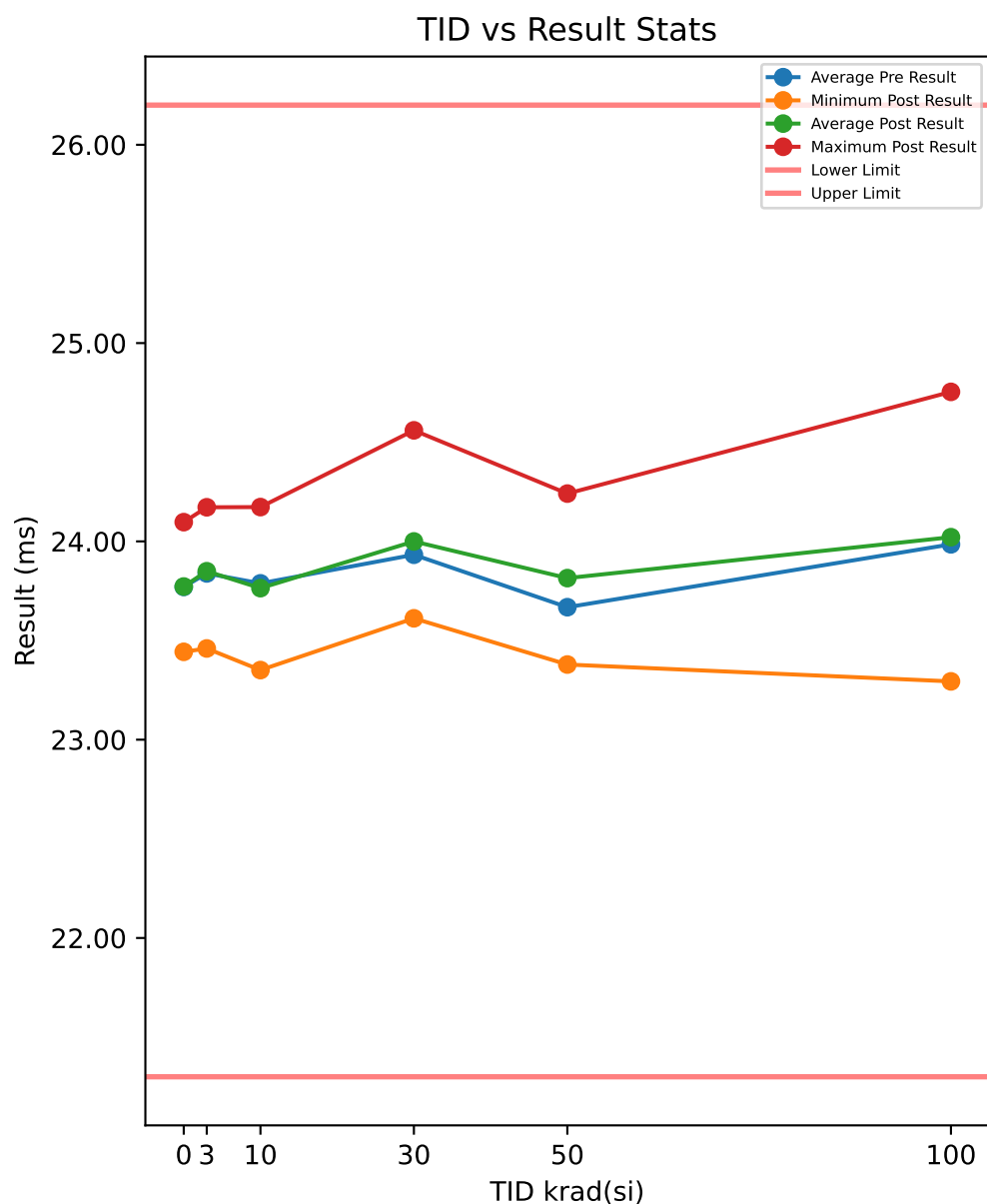
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 1.591      | 1.591       | 0      |
| 301      | 0        | Correlation         | 1.547      | 1.547       | 0      |
| 302      | 0        | Correlation         | 1.562      | 1.562       | 0      |
| 303      | 3        | Bias                | 1.573      | 1.575       | 0.002  |
| 304      | 3        | Bias                | 1.541      | 1.541       | 0      |
| 305      | 3        | Bias                | 1.535      | 1.534       | -0.001 |
| 306      | 3        | Bias                | 1.55       | 1.551       | 0.001  |
| 307      | 3        | Bias                | 1.549      | 1.549       | 0      |
| 308      | 3        | Unbiased            | 1.56       | 1.559       | -0.001 |
| 309      | 3        | Unbiased            | 1.54       | 1.54        | 0      |
| 310      | 3        | Unbiased            | 1.547      | 1.548       | 0.001  |
| 311      | 3        | Unbiased            | 1.557      | 1.555       | -0.002 |
| 312      | 3        | Unbiased            | 1.564      | 1.567       | 0.003  |
| 313      | 10       | Bias                | 1.53       | 1.537       | 0.007  |
| 314      | 10       | Bias                | 1.55       | 1.546       | -0.004 |
| 315      | 10       | Bias                | 1.558      | 1.558       | 0      |
| 316      | 10       | Bias                | 1.543      | 1.542       | -0.001 |
| 317      | 10       | Bias                | 1.544      | 1.543       | -0.001 |
| 318      | 10       | Unbiased            | 1.562      | 1.56        | -0.002 |
| 319      | 10       | Unbiased            | 1.555      | 1.558       | 0.003  |
| 320      | 10       | Unbiased            | 1.537      | 1.552       | 0.015  |
| 321      | 10       | Unbiased            | 1.545      | 1.543       | -0.002 |
| 322      | 10       | Unbiased            | 1.568      | 1.567       | -0.001 |
| 323      | 30       | Bias                | 1.531      | 1.529       | -0.002 |
| 324      | 30       | Bias                | 1.525      | 1.526       | 0.001  |
| 325      | 30       | Bias                | 1.575      | 1.574       | -0.001 |
| 326      | 30       | Bias                | 1.551      | 1.55        | -0.001 |
| 327      | 30       | Bias                | 1.539      | 1.541       | 0.002  |
| 328      | 30       | Unbiased            | 1.567      | 1.572       | 0.005  |
| 329      | 30       | Unbiased            | 1.546      | 1.544       | -0.002 |
| 330      | 30       | Unbiased            | 1.566      | 1.569       | 0.003  |
| 331      | 30       | Unbiased            | 1.558      | 1.559       | 0.001  |
| 332      | 30       | Unbiased            | 1.569      | 1.569       | 0      |
| 333      | 50       | Bias                | 1.562      | 1.564       | 0.002  |
| 334      | 50       | Bias                | 1.541      | 1.539       | -0.002 |
| 335      | 50       | Bias                | 1.586      | 1.589       | 0.003  |
| 336      | 50       | Bias                | 1.543      | 1.542       | -0.001 |
| 337      | 50       | Bias                | 1.538      | 1.544       | 0.006  |
| 338      | 50       | Unbiased            | 1.543      | 1.55        | 0.007  |
| 339      | 50       | Unbiased            | 1.537      | 1.543       | 0.006  |
| 340      | 50       | Unbiased            | 1.555      | 1.564       | 0.009  |
| 341      | 50       | Unbiased            | 1.535      | 1.546       | 0.011  |
| 342      | 50       | Unbiased            | 1.576      | 1.576       | 0      |
| 343      | 100      | Bias                | 1.555      | 1.548       | -0.007 |
| 344      | 100      | Bias                | 1.518      | 1.512       | -0.006 |
| 345      | 100      | Bias                | 1.535      | 1.537       | 0.002  |
| 346      | 100      | Bias                | 1.541      | 1.553       | 0.012  |
| 347      | 100      | Bias                | 1.582      | 1.594       | 0.012  |
| 348      | 100      | Unbiased            | 1.523      | 1.528       | 0.005  |
| 349      | 100      | Unbiased            | 1.538      | 1.533       | -0.005 |
| 350      | 100      | Unbiased            | 1.566      | 1.571       | 0.005  |
| 351      | 100      | Unbiased            | 1.545      | 1.556       | 0.011  |
| 352      | 100      | Unbiased            | 1.561      | 1.569       | 0.008  |

Test Statistics (s)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 1.547            | 1.5667           | 1.591            | 0.022368         | 1.547             | 1.5667            | 1.591             | 0.022368          | 0         | 0         | 0         | 0         |
| 3        | 1.535            | 1.5516           | 1.573            | 0.011853         | 1.534             | 1.5519            | 1.575             | 0.012591          | -0.002    | 0.0003    | 0.003     | 0.0014944 |
| 10       | 1.53             | 1.5492           | 1.568            | 0.011689         | 1.537             | 1.5506            | 1.567             | 0.0098002         | -0.004    | 0.0014    | 0.015     | 0.0056804 |
| 30       | 1.525            | 1.5527           | 1.575            | 0.017147         | 1.526             | 1.5533            | 1.574             | 0.017914          | -0.002    | 0.0006    | 0.005     | 0.0022706 |
| 50       | 1.535            | 1.5516           | 1.586            | 0.01774          | 1.539             | 1.5557            | 1.589             | 0.016833          | -0.002    | 0.0041    | 0.011     | 0.004383  |
| 100      | 1.518            | 1.5464           | 1.582            | 0.019789         | 1.512             | 1.5501            | 1.594             | 0.023974          | -0.007    | 0.0037    | 0.012     | 0.0074543 |



Device Test: 5.71 ; DLY\_TMR\_1MOHM

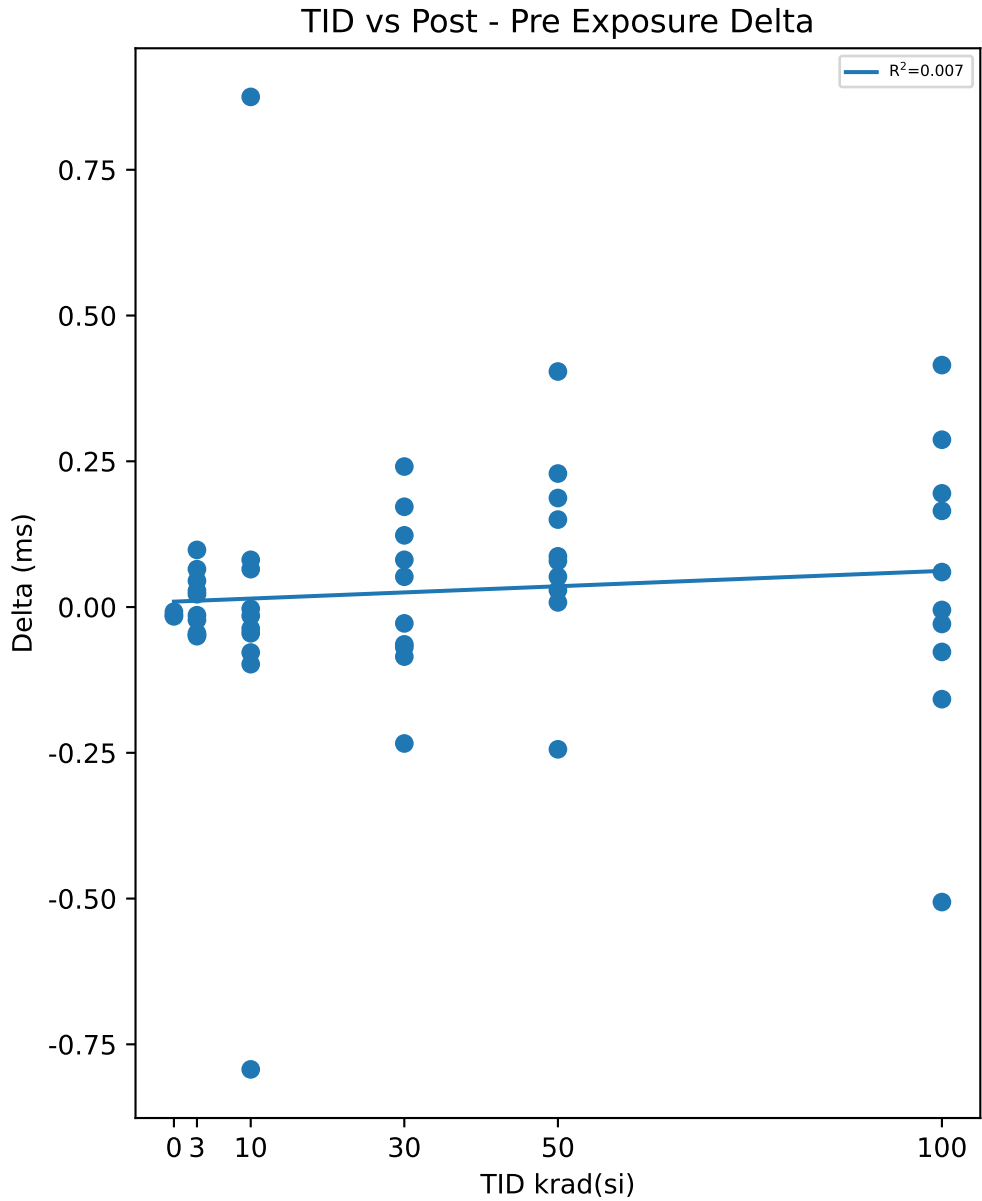
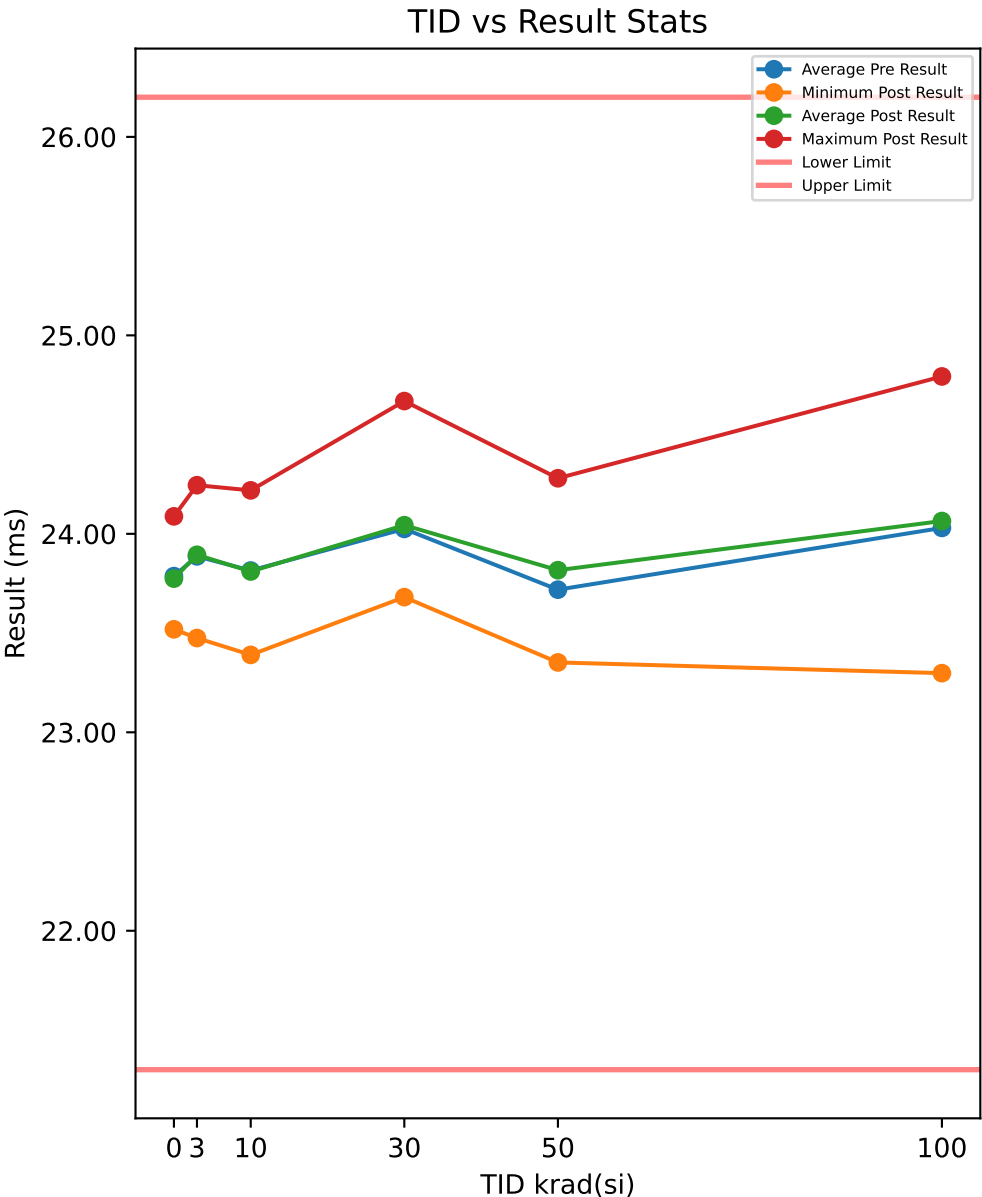


Test Results (Lower Limit = 21.3,  
Upper Limit = 26.2 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 24.126     | 24.097      | -0.029 |
| 301      | 0        | Correlation         | 23.658     | 23.777      | 0.119  |
| 302      | 0        | Correlation         | 23.527     | 23.443      | -0.084 |
| 303      | 3        | Bias                | 23.637     | 23.656      | 0.019  |
| 304      | 3        | Bias                | 23.867     | 23.813      | -0.054 |
| 305      | 3        | Bias                | 24.129     | 24.076      | -0.053 |
| 306      | 3        | Bias                | 24.041     | 24.08       | 0.039  |
| 307      | 3        | Bias                | 23.639     | 23.475      | -0.164 |
| 308      | 3        | Unbiased            | 23.365     | 23.46       | 0.095  |
| 309      | 3        | Unbiased            | 24.179     | 24.172      | -0.007 |
| 310      | 3        | Unbiased            | 24.047     | 24.069      | 0.022  |
| 311      | 3        | Unbiased            | 23.691     | 23.87       | 0.179  |
| 312      | 3        | Unbiased            | 23.789     | 23.824      | 0.035  |
| 313      | 10       | Bias                | 23.407     | 23.371      | -0.036 |
| 314      | 10       | Bias                | 23.788     | 23.734      | -0.054 |
| 315      | 10       | Bias                | 23.434     | 23.458      | 0.024  |
| 316      | 10       | Bias                | 23.917     | 23.875      | -0.042 |
| 317      | 10       | Bias                | 24.107     | 24.173      | 0.066  |
| 318      | 10       | Unbiased            | 24.179     | 24.013      | -0.166 |
| 319      | 10       | Unbiased            | 23.38      | 23.466      | 0.086  |
| 320      | 10       | Unbiased            | 24.193     | 23.351      | -0.842 |
| 321      | 10       | Unbiased            | 23.395     | 24.106      | 0.711  |
| 322      | 10       | Unbiased            | 24.083     | 24.095      | 0.012  |
| 323      | 30       | Bias                | 23.861     | 23.828      | -0.033 |
| 324      | 30       | Bias                | 23.735     | 23.832      | 0.097  |
| 325      | 30       | Bias                | 24.027     | 24.043      | 0.016  |
| 326      | 30       | Bias                | 23.892     | 24.044      | 0.152  |
| 327      | 30       | Bias                | 23.487     | 23.75       | 0.263  |
| 328      | 30       | Unbiased            | 23.863     | 23.852      | -0.011 |
| 329      | 30       | Unbiased            | 24.545     | 24.56       | 0.015  |
| 330      | 30       | Unbiased            | 24.147     | 24.054      | -0.093 |
| 331      | 30       | Unbiased            | 23.478     | 23.612      | 0.134  |
| 332      | 30       | Unbiased            | 24.291     | 24.422      | 0.131  |
| 333      | 50       | Bias                | 23.386     | 23.65       | 0.264  |
| 334      | 50       | Bias                | 24.142     | 24.208      | 0.066  |
| 335      | 50       | Bias                | 23.665     | 23.819      | 0.154  |
| 336      | 50       | Bias                | 23.806     | 24.241      | 0.435  |
| 337      | 50       | Bias                | 23.637     | 23.379      | -0.258 |
| 338      | 50       | Unbiased            | 23.235     | 23.513      | 0.278  |
| 339      | 50       | Unbiased            | 23.435     | 23.496      | 0.061  |
| 340      | 50       | Unbiased            | 23.613     | 23.749      | 0.136  |
| 341      | 50       | Unbiased            | 23.958     | 24.113      | 0.155  |
| 342      | 50       | Unbiased            | 23.804     | 23.98       | 0.176  |
| 343      | 100      | Bias                | 23.802     | 24.084      | 0.282  |
| 344      | 100      | Bias                | 23.679     | 23.557      | -0.122 |
| 345      | 100      | Bias                | 24.457     | 24.505      | 0.048  |
| 346      | 100      | Bias                | 23.744     | 23.294      | -0.45  |
| 347      | 100      | Bias                | 23.297     | 23.452      | 0.155  |
| 348      | 100      | Unbiased            | 24.257     | 24.754      | 0.497  |
| 349      | 100      | Unbiased            | 24.321     | 24.145      | -0.176 |
| 350      | 100      | Unbiased            | 24.236     | 24.104      | -0.132 |
| 351      | 100      | Unbiased            | 24.413     | 24.577      | 0.164  |
| 352      | 100      | Unbiased            | 23.645     | 23.74       | 0.095  |

Test Statistics (ms)

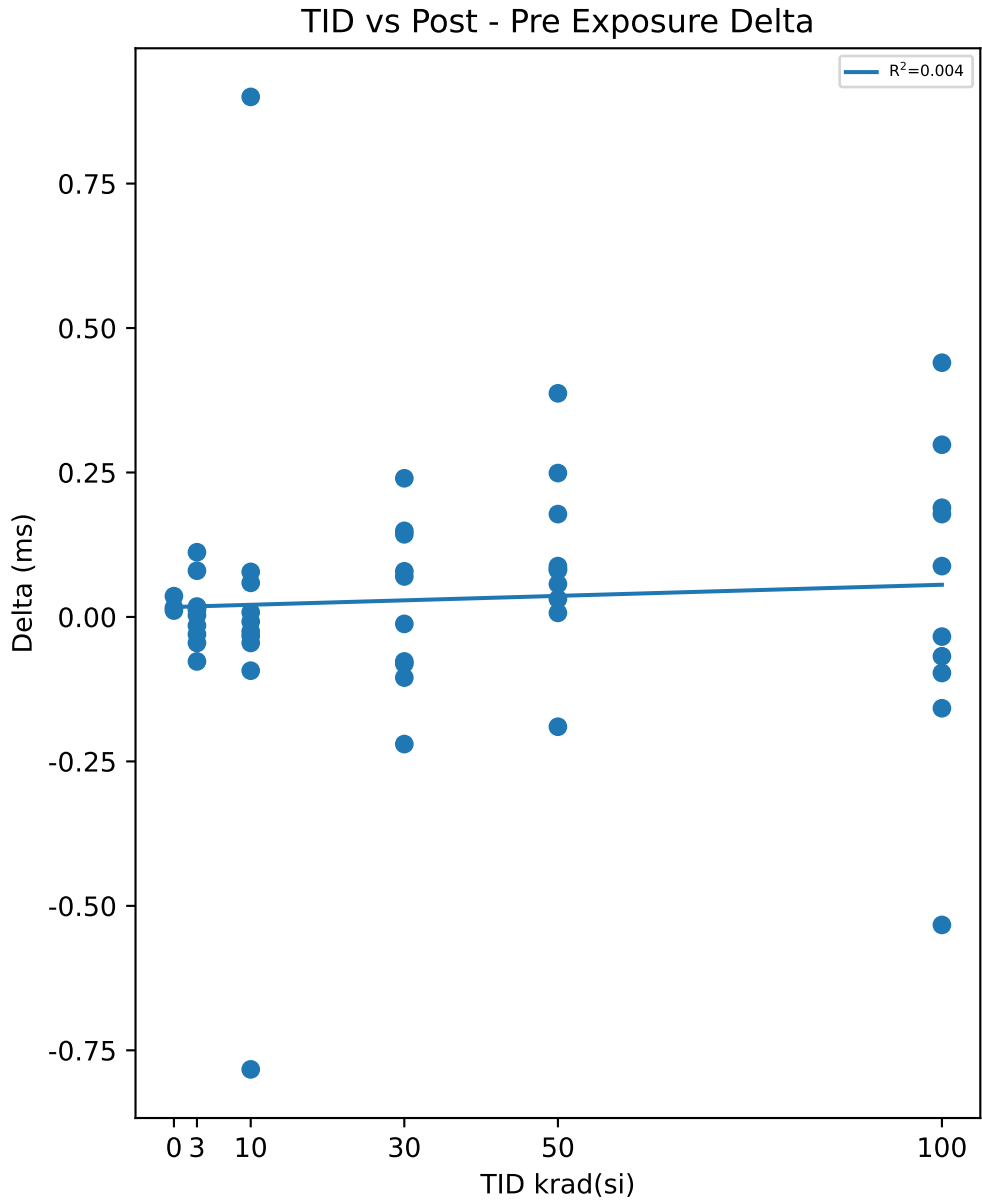
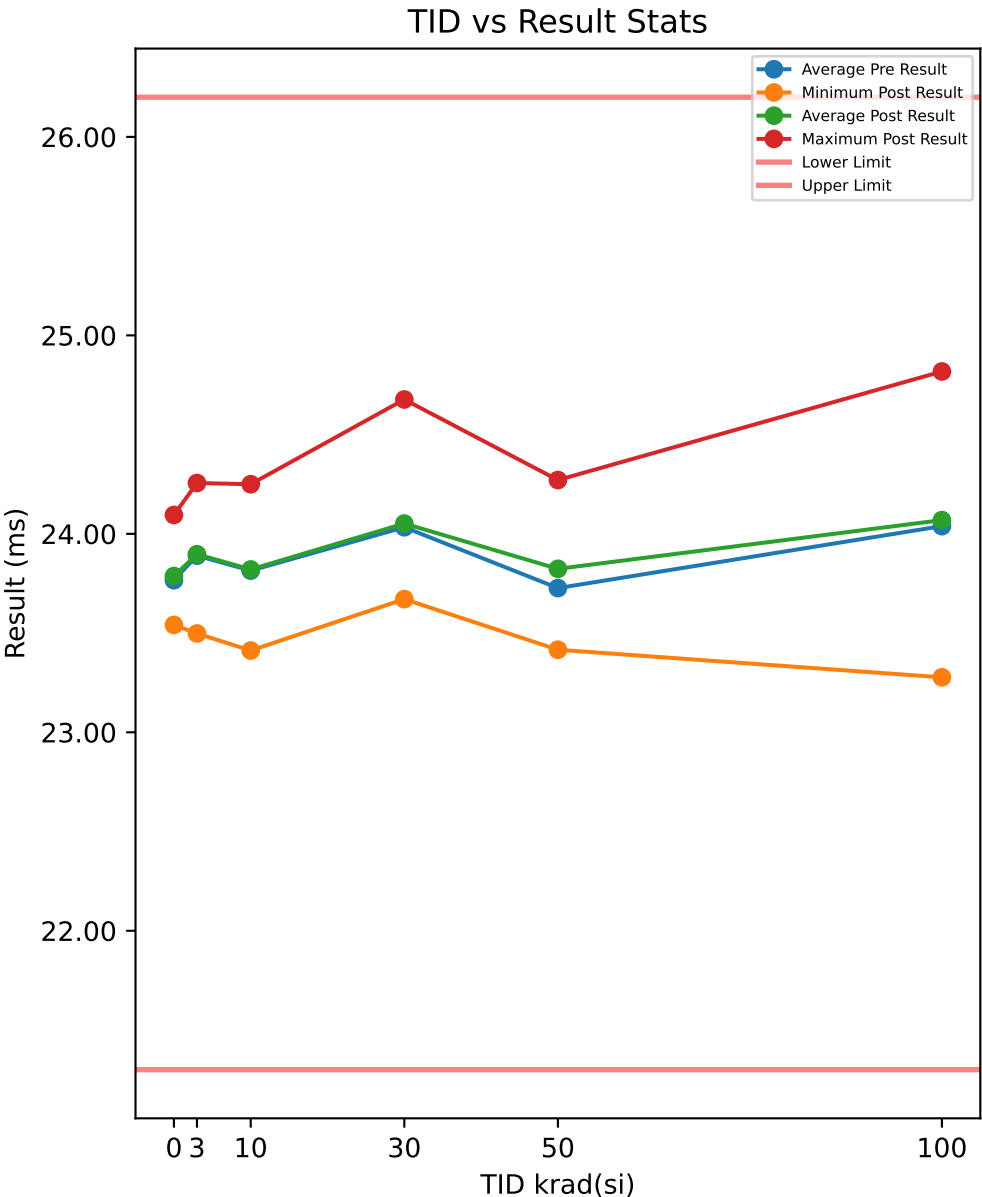
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 23.527           | 23.77            | 24.126           | 0.3149           | 23.443            | 23.772            | 24.097            | 0.32702           | -0.084    | 0.002     | 0.119     | 0.10499   |
| 3        | 23.365           | 23.838           | 24.179           | 0.26129          | 23.46             | 23.849            | 24.172            | 0.2557            | -0.164    | 0.0111    | 0.179     | 0.091951  |
| 10       | 23.38            | 23.788           | 24.193           | 0.35178          | 23.351            | 23.764            | 24.173            | 0.32939           | -0.842    | -0.0241   | 0.711     | 0.37338   |
| 30       | 23.478           | 23.933           | 24.545           | 0.3357           | 23.612            | 24                | 24.56             | 0.29649           | -0.093    | 0.0671    | 0.263     | 0.10652   |
| 50       | 23.235           | 23.668           | 24.142           | 0.27317          | 23.379            | 23.815            | 24.241            | 0.31031           | -0.258    | 0.1467    | 0.435     | 0.18039   |
| 100      | 23.297           | 23.985           | 24.457           | 0.39861          | 23.294            | 24.021            | 24.754            | 0.50038           | -0.45     | 0.0361    | 0.497     | 0.26699   |



| Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms)) |          |                     |            |             |        |
|------------------------------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                                   | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                                        | 0        | Correlation         | 24.096     | 24.088      | -0.008 |
| 301                                                        | 0        | Correlation         | 23.732     | 23.716      | -0.016 |
| 302                                                        | 0        | Correlation         | 23.533     | 23.519      | -0.014 |
| 303                                                        | 3        | Bias                | 23.715     | 23.76       | 0.045  |
| 304                                                        | 3        | Bias                | 23.837     | 23.902      | 0.065  |
| 305                                                        | 3        | Bias                | 24.169     | 24.124      | -0.045 |
| 306                                                        | 3        | Bias                | 24.099     | 24.121      | 0.022  |
| 307                                                        | 3        | Bias                | 23.634     | 23.584      | -0.05  |
| 308                                                        | 3        | Unbiased            | 23.377     | 23.475      | 0.098  |
| 309                                                        | 3        | Unbiased            | 24.293     | 24.245      | -0.048 |
| 310                                                        | 3        | Unbiased            | 24.137     | 24.115      | -0.022 |
| 311                                                        | 3        | Unbiased            | 23.779     | 23.807      | 0.028  |
| 312                                                        | 3        | Unbiased            | 23.825     | 23.811      | -0.014 |
| 313                                                        | 10       | Bias                | 23.498     | 23.453      | -0.045 |
| 314                                                        | 10       | Bias                | 23.84      | 23.762      | -0.078 |
| 315                                                        | 10       | Bias                | 23.433     | 23.43       | -0.003 |
| 316                                                        | 10       | Bias                | 23.887     | 23.952      | 0.065  |
| 317                                                        | 10       | Bias                | 24.212     | 24.197      | -0.015 |
| 318                                                        | 10       | Unbiased            | 24.174     | 24.076      | -0.098 |
| 319                                                        | 10       | Unbiased            | 23.427     | 23.39       | -0.037 |
| 320                                                        | 10       | Unbiased            | 24.233     | 23.44       | -0.793 |
| 321                                                        | 10       | Unbiased            | 23.344     | 24.219      | 0.875  |
| 322                                                        | 10       | Unbiased            | 24.103     | 24.184      | 0.081  |
| 323                                                        | 30       | Bias                | 23.969     | 23.9        | -0.069 |
| 324                                                        | 30       | Bias                | 23.855     | 23.791      | -0.064 |
| 325                                                        | 30       | Bias                | 24.072     | 24.124      | 0.052  |
| 326                                                        | 30       | Bias                | 23.954     | 24.195      | 0.241  |
| 327                                                        | 30       | Bias                | 23.613     | 23.694      | 0.081  |
| 328                                                        | 30       | Unbiased            | 23.986     | 23.901      | -0.085 |
| 329                                                        | 30       | Unbiased            | 24.697     | 24.669      | -0.028 |
| 330                                                        | 30       | Unbiased            | 24.24      | 24.006      | -0.234 |
| 331                                                        | 30       | Unbiased            | 23.558     | 23.681      | 0.123  |
| 332                                                        | 30       | Unbiased            | 24.304     | 24.476      | 0.172  |
| 333                                                        | 50       | Bias                | 23.446     | 23.596      | 0.15   |
| 334                                                        | 50       | Bias                | 24.219     | 24.227      | 0.008  |
| 335                                                        | 50       | Bias                | 23.769     | 23.798      | 0.029  |
| 336                                                        | 50       | Bias                | 23.876     | 24.28       | 0.404  |
| 337                                                        | 50       | Bias                | 23.596     | 23.352      | -0.244 |
| 338                                                        | 50       | Unbiased            | 23.245     | 23.474      | 0.229  |
| 339                                                        | 50       | Unbiased            | 23.426     | 23.613      | 0.187  |
| 340                                                        | 50       | Unbiased            | 23.66      | 23.712      | 0.052  |
| 341                                                        | 50       | Unbiased            | 24.061     | 24.148      | 0.087  |
| 342                                                        | 50       | Unbiased            | 23.889     | 23.968      | 0.079  |
| 343                                                        | 100      | Bias                | 23.903     | 24.098      | 0.195  |
| 344                                                        | 100      | Bias                | 23.605     | 23.576      | -0.029 |
| 345                                                        | 100      | Bias                | 24.558     | 24.481      | -0.077 |
| 346                                                        | 100      | Bias                | 23.804     | 23.298      | -0.506 |
| 347                                                        | 100      | Bias                | 23.414     | 23.579      | 0.165  |
| 348                                                        | 100      | Unbiased            | 24.378     | 24.793      | 0.415  |
| 349                                                        | 100      | Unbiased            | 24.317     | 24.159      | -0.158 |
| 350                                                        | 100      | Unbiased            | 24.196     | 24.191      | -0.005 |
| 351                                                        | 100      | Unbiased            | 24.424     | 24.711      | 0.287  |
| 352                                                        | 100      | Unbiased            | 23.699     | 23.759      | 0.06   |

Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 23.533           | 23.787           | 24.096           | 0.2855           | 23.519            | 23.774            | 24.088            | 0.28895           | -0.016    | -0.012667 | -0.008    | 0.0041633 |
| 3        | 23.377           | 23.887           | 24.293           | 0.28353          | 23.475            | 23.894            | 24.245            | 0.25399           | -0.05     | 0.0079    | 0.098     | 0.051647  |
| 10       | 23.344           | 23.815           | 24.233           | 0.36036          | 23.39             | 23.81             | 24.219            | 0.35517           | -0.793    | -0.0048   | 0.875     | 0.39782   |
| 30       | 23.558           | 24.025           | 24.697           | 0.33405          | 23.681            | 24.044            | 24.669            | 0.32785           | -0.234    | 0.0189    | 0.241     | 0.14146   |
| 50       | 23.245           | 23.719           | 24.219           | 0.30307          | 23.352            | 23.817            | 24.28             | 0.32499           | -0.244    | 0.0981    | 0.404     | 0.16794   |
| 100      | 23.414           | 24.03            | 24.558           | 0.39467          | 23.298            | 24.064            | 24.793            | 0.5059            | -0.506    | 0.0347    | 0.415     | 0.25803   |

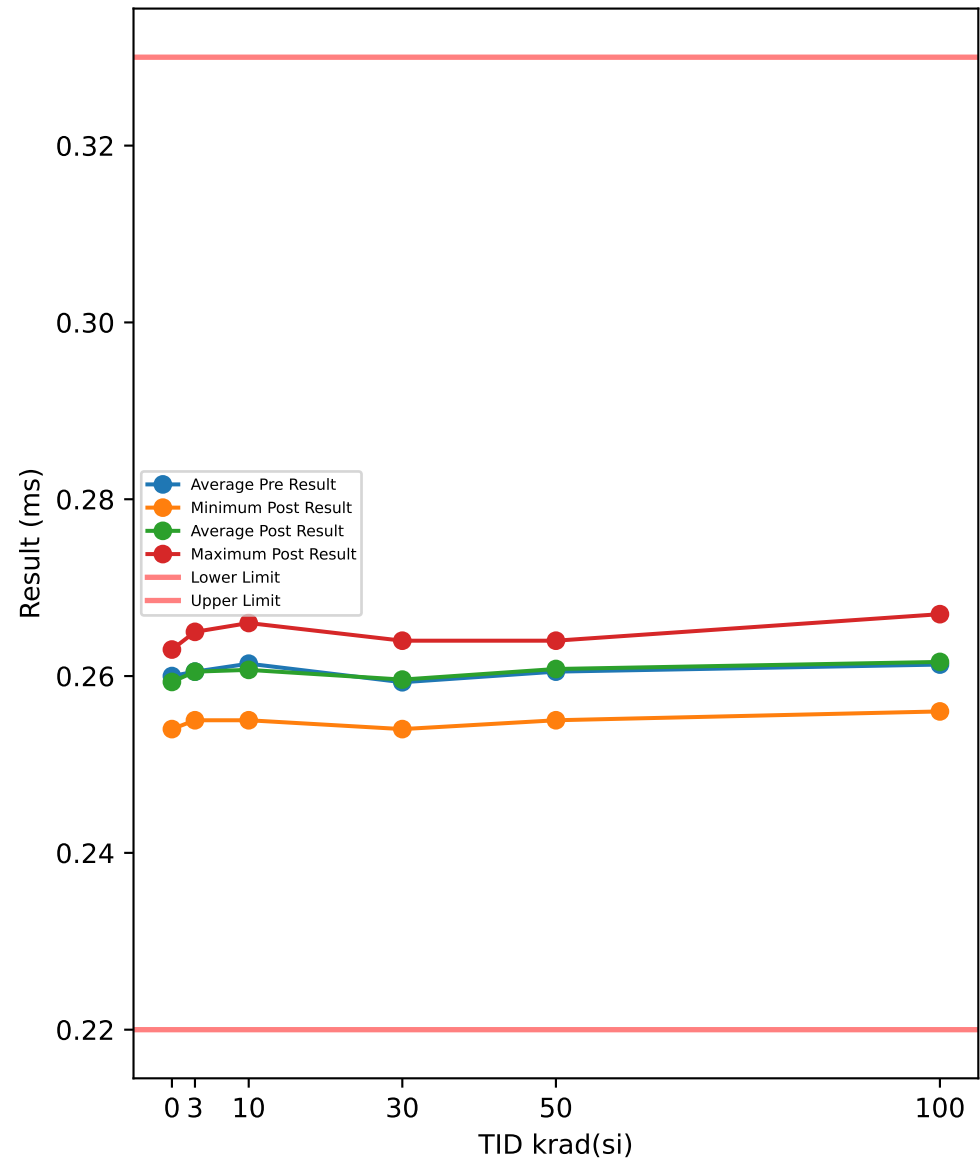


| Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms)) |          |                     |            |             |        |
|------------------------------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                                   | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                                        | 0        | Correlation         | 24.079     | 24.095      | 0.016  |
| 301                                                        | 0        | Correlation         | 23.715     | 23.726      | 0.011  |
| 302                                                        | 0        | Correlation         | 23.505     | 23.541      | 0.036  |
| 303                                                        | 3        | Bias                | 23.755     | 23.767      | 0.012  |
| 304                                                        | 3        | Bias                | 23.809     | 23.921      | 0.112  |
| 305                                                        | 3        | Bias                | 24.178     | 24.101      | -0.077 |
| 306                                                        | 3        | Bias                | 24.111     | 24.114      | 0.003  |
| 307                                                        | 3        | Bias                | 23.604     | 23.559      | -0.045 |
| 308                                                        | 3        | Unbiased            | 23.418     | 23.498      | 0.08   |
| 309                                                        | 3        | Unbiased            | 24.286     | 24.256      | -0.03  |
| 310                                                        | 3        | Unbiased            | 24.123     | 24.141      | 0.018  |
| 311                                                        | 3        | Unbiased            | 23.783     | 23.799      | 0.016  |
| 312                                                        | 3        | Unbiased            | 23.833     | 23.818      | -0.015 |
| 313                                                        | 10       | Bias                | 23.485     | 23.452      | -0.033 |
| 314                                                        | 10       | Bias                | 23.861     | 23.768      | -0.093 |
| 315                                                        | 10       | Bias                | 23.437     | 23.445      | 0.008  |
| 316                                                        | 10       | Bias                | 23.908     | 23.967      | 0.059  |
| 317                                                        | 10       | Bias                | 24.214     | 24.206      | -0.008 |
| 318                                                        | 10       | Unbiased            | 24.137     | 24.092      | -0.045 |
| 319                                                        | 10       | Unbiased            | 23.437     | 23.412      | -0.025 |
| 320                                                        | 10       | Unbiased            | 24.236     | 23.453      | -0.783 |
| 321                                                        | 10       | Unbiased            | 23.35      | 24.25       | 0.9    |
| 322                                                        | 10       | Unbiased            | 24.082     | 24.16       | 0.078  |
| 323                                                        | 30       | Bias                | 24.01      | 23.905      | -0.105 |
| 324                                                        | 30       | Bias                | 23.86      | 23.783      | -0.077 |
| 325                                                        | 30       | Bias                | 24.068     | 24.138      | 0.07   |
| 326                                                        | 30       | Bias                | 23.963     | 24.203      | 0.24   |
| 327                                                        | 30       | Bias                | 23.592     | 23.671      | 0.079  |
| 328                                                        | 30       | Unbiased            | 23.995     | 23.914      | -0.081 |
| 329                                                        | 30       | Unbiased            | 24.689     | 24.677      | -0.012 |
| 330                                                        | 30       | Unbiased            | 24.247     | 24.027      | -0.22  |
| 331                                                        | 30       | Unbiased            | 23.563     | 23.712      | 0.149  |
| 332                                                        | 30       | Unbiased            | 24.345     | 24.488      | 0.143  |
| 333                                                        | 50       | Bias                | 23.484     | 23.572      | 0.088  |
| 334                                                        | 50       | Bias                | 24.226     | 24.257      | 0.031  |
| 335                                                        | 50       | Bias                | 23.777     | 23.784      | 0.007  |
| 336                                                        | 50       | Bias                | 23.884     | 24.271      | 0.387  |
| 337                                                        | 50       | Bias                | 23.606     | 23.416      | -0.19  |
| 338                                                        | 50       | Unbiased            | 23.232     | 23.481      | 0.249  |
| 339                                                        | 50       | Unbiased            | 23.441     | 23.619      | 0.178  |
| 340                                                        | 50       | Unbiased            | 23.638     | 23.719      | 0.081  |
| 341                                                        | 50       | Unbiased            | 24.082     | 24.165      | 0.083  |
| 342                                                        | 50       | Unbiased            | 23.896     | 23.953      | 0.057  |
| 343                                                        | 100      | Bias                | 23.911     | 24.1        | 0.189  |
| 344                                                        | 100      | Bias                | 23.624     | 23.59       | -0.034 |
| 345                                                        | 100      | Bias                | 24.589     | 24.492      | -0.097 |
| 346                                                        | 100      | Bias                | 23.81      | 23.277      | -0.533 |
| 347                                                        | 100      | Bias                | 23.391     | 23.569      | 0.178  |
| 348                                                        | 100      | Unbiased            | 24.378     | 24.818      | 0.44   |
| 349                                                        | 100      | Unbiased            | 24.323     | 24.165      | -0.158 |
| 350                                                        | 100      | Unbiased            | 24.255     | 24.187      | -0.068 |
| 351                                                        | 100      | Unbiased            | 24.431     | 24.729      | 0.298  |
| 352                                                        | 100      | Unbiased            | 23.676     | 23.764      | 0.088  |

Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 23.505           | 23.766           | 24.079           | 0.29042          | 23.541            | 23.787            | 24.095            | 0.28205           | 0.011     | 0.021     | 0.036     | 0.013229  |
| 3        | 23.418           | 23.89            | 24.286           | 0.27628          | 23.498            | 23.897            | 24.256            | 0.25471           | -0.077    | 0.0074    | 0.112     | 0.055985  |
| 10       | 23.35            | 23.815           | 24.236           | 0.35482          | 23.412            | 23.82             | 24.25             | 0.35355           | -0.783    | 0.0058    | 0.9       | 0.40067   |
| 30       | 23.563           | 24.033           | 24.689           | 0.33778          | 23.671            | 24.052            | 24.677            | 0.33088           | -0.22     | 0.0186    | 0.24      | 0.14142   |
| 50       | 23.232           | 23.727           | 24.226           | 0.30535          | 23.416            | 23.824            | 24.271            | 0.32015           | -0.19     | 0.0971    | 0.387     | 0.15302   |
| 100      | 23.391           | 24.039           | 24.589           | 0.40704          | 23.277            | 24.069            | 24.818            | 0.51633           | -0.533    | 0.0303    | 0.44      | 0.27338   |

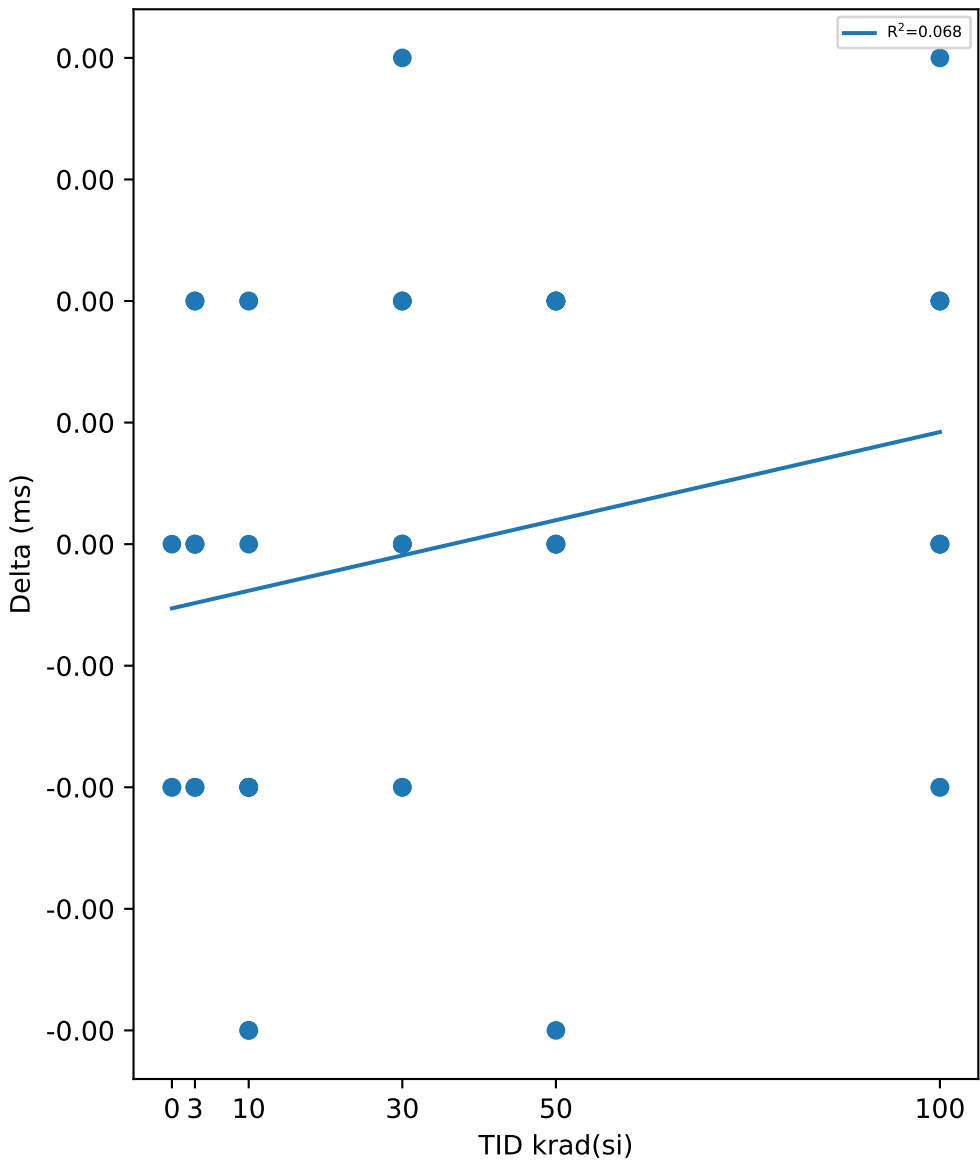
TID vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.263      | 0.263       | 0      |
| 301      | 0        | Correlation         | 0.262      | 0.261       | -0.001 |
| 302      | 0        | Correlation         | 0.255      | 0.254       | -0.001 |
| 303      | 3        | Bias                | 0.256      | 0.257       | 0.001  |
| 304      | 3        | Bias                | 0.255      | 0.255       | 0      |
| 305      | 3        | Bias                | 0.264      | 0.263       | -0.001 |
| 306      | 3        | Bias                | 0.263      | 0.263       | 0      |
| 307      | 3        | Bias                | 0.264      | 0.263       | -0.001 |
| 308      | 3        | Unbiased            | 0.263      | 0.262       | -0.001 |
| 309      | 3        | Unbiased            | 0.265      | 0.265       | 0      |
| 310      | 3        | Unbiased            | 0.264      | 0.265       | 0.001  |
| 311      | 3        | Unbiased            | 0.256      | 0.257       | 0.001  |
| 312      | 3        | Unbiased            | 0.255      | 0.255       | 0      |
| 313      | 10       | Bias                | 0.257      | 0.255       | -0.002 |
| 314      | 10       | Bias                | 0.256      | 0.255       | -0.001 |
| 315      | 10       | Bias                | 0.256      | 0.255       | -0.001 |
| 316      | 10       | Bias                | 0.264      | 0.262       | -0.002 |
| 317      | 10       | Bias                | 0.264      | 0.265       | 0.001  |
| 318      | 10       | Unbiased            | 0.265      | 0.266       | 0.001  |
| 319      | 10       | Unbiased            | 0.256      | 0.256       | 0      |
| 320      | 10       | Unbiased            | 0.265      | 0.264       | -0.001 |
| 321      | 10       | Unbiased            | 0.265      | 0.264       | -0.001 |
| 322      | 10       | Unbiased            | 0.266      | 0.265       | -0.001 |
| 323      | 30       | Bias                | 0.256      | 0.256       | 0      |
| 324      | 30       | Bias                | 0.255      | 0.257       | 0.002  |
| 325      | 30       | Bias                | 0.264      | 0.264       | 0      |
| 326      | 30       | Bias                | 0.261      | 0.262       | 0.001  |
| 327      | 30       | Bias                | 0.254      | 0.254       | 0      |
| 328      | 30       | Unbiased            | 0.264      | 0.263       | -0.001 |
| 329      | 30       | Unbiased            | 0.258      | 0.257       | -0.001 |
| 330      | 30       | Unbiased            | 0.254      | 0.255       | 0.001  |
| 331      | 30       | Unbiased            | 0.263      | 0.264       | 0.001  |
| 332      | 30       | Unbiased            | 0.264      | 0.264       | 0      |
| 333      | 50       | Bias                | 0.261      | 0.262       | 0.001  |
| 334      | 50       | Bias                | 0.263      | 0.264       | 0.001  |
| 335      | 50       | Bias                | 0.255      | 0.256       | 0.001  |
| 336      | 50       | Bias                | 0.263      | 0.264       | 0.001  |
| 337      | 50       | Bias                | 0.257      | 0.255       | -0.002 |
| 338      | 50       | Unbiased            | 0.261      | 0.261       | 0      |
| 339      | 50       | Unbiased            | 0.26       | 0.26        | 0      |
| 340      | 50       | Unbiased            | 0.263      | 0.264       | 0.001  |
| 341      | 50       | Unbiased            | 0.264      | 0.264       | 0      |
| 342      | 50       | Unbiased            | 0.258      | 0.258       | 0      |
| 343      | 100      | Bias                | 0.263      | 0.265       | 0.002  |
| 344      | 100      | Bias                | 0.262      | 0.263       | 0.001  |
| 345      | 100      | Bias                | 0.258      | 0.258       | 0      |
| 346      | 100      | Bias                | 0.258      | 0.257       | -0.001 |
| 347      | 100      | Bias                | 0.258      | 0.257       | -0.001 |
| 348      | 100      | Unbiased            | 0.266      | 0.266       | 0      |
| 349      | 100      | Unbiased            | 0.255      | 0.256       | 0.001  |
| 350      | 100      | Unbiased            | 0.266      | 0.267       | 0.001  |
| 351      | 100      | Unbiased            | 0.264      | 0.264       | 0      |
| 352      | 100      | Unbiased            | 0.263      | 0.263       | 0      |

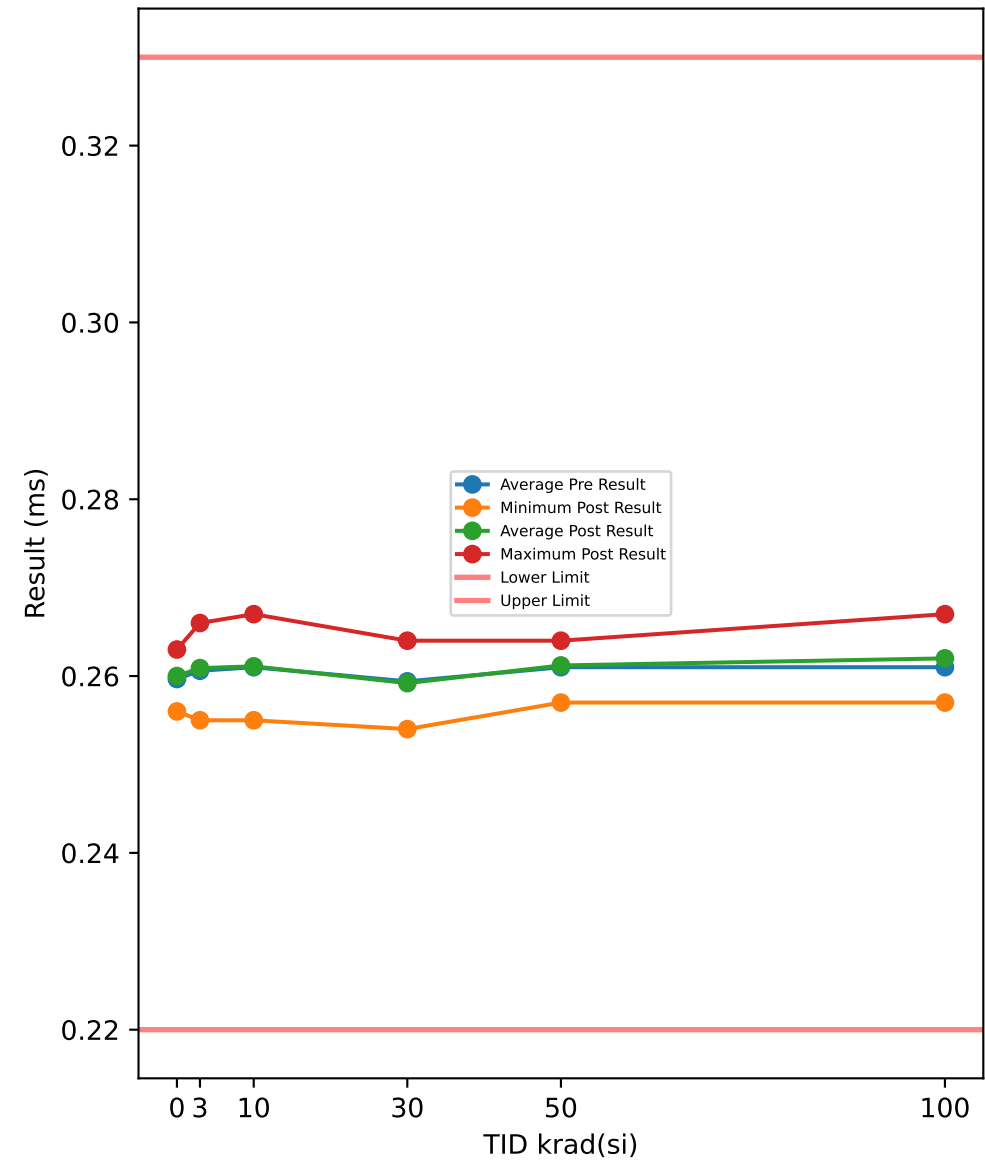
TID vs Post - Pre Exposure Delta



Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|------------|
| 0        | 0.255            | 0.26             | 0.263            | 0.0043589        | 0.254             | 0.25933           | 0.263             | 0.0047258         | -0.001    | -0.00066667 | 0         | 0.00057735 |
| 3        | 0.255            | 0.2605           | 0.265            | 0.0043525        | 0.255             | 0.2605            | 0.265             | 0.0040346         | -0.001    | 0           | 0.001     | 0.0008165  |
| 10       | 0.256            | 0.2614           | 0.266            | 0.0044771        | 0.255             | 0.2607            | 0.266             | 0.0048086         | -0.002    | -0.0007     | 0.001     | 0.0010593  |
| 30       | 0.254            | 0.2593           | 0.264            | 0.0043474        | 0.254             | 0.2596            | 0.264             | 0.0041419         | -0.001    | 0.0003      | 0.002     | 0.00094868 |
| 50       | 0.255            | 0.2605           | 0.264            | 0.0029907        | 0.255             | 0.2608            | 0.264             | 0.0034577         | -0.002    | 0.0003      | 0.001     | 0.00094868 |
| 100      | 0.255            | 0.2613           | 0.266            | 0.003802         | 0.256             | 0.2616            | 0.267             | 0.0041687         | -0.001    | 0.0003      | 0.002     | 0.00094868 |

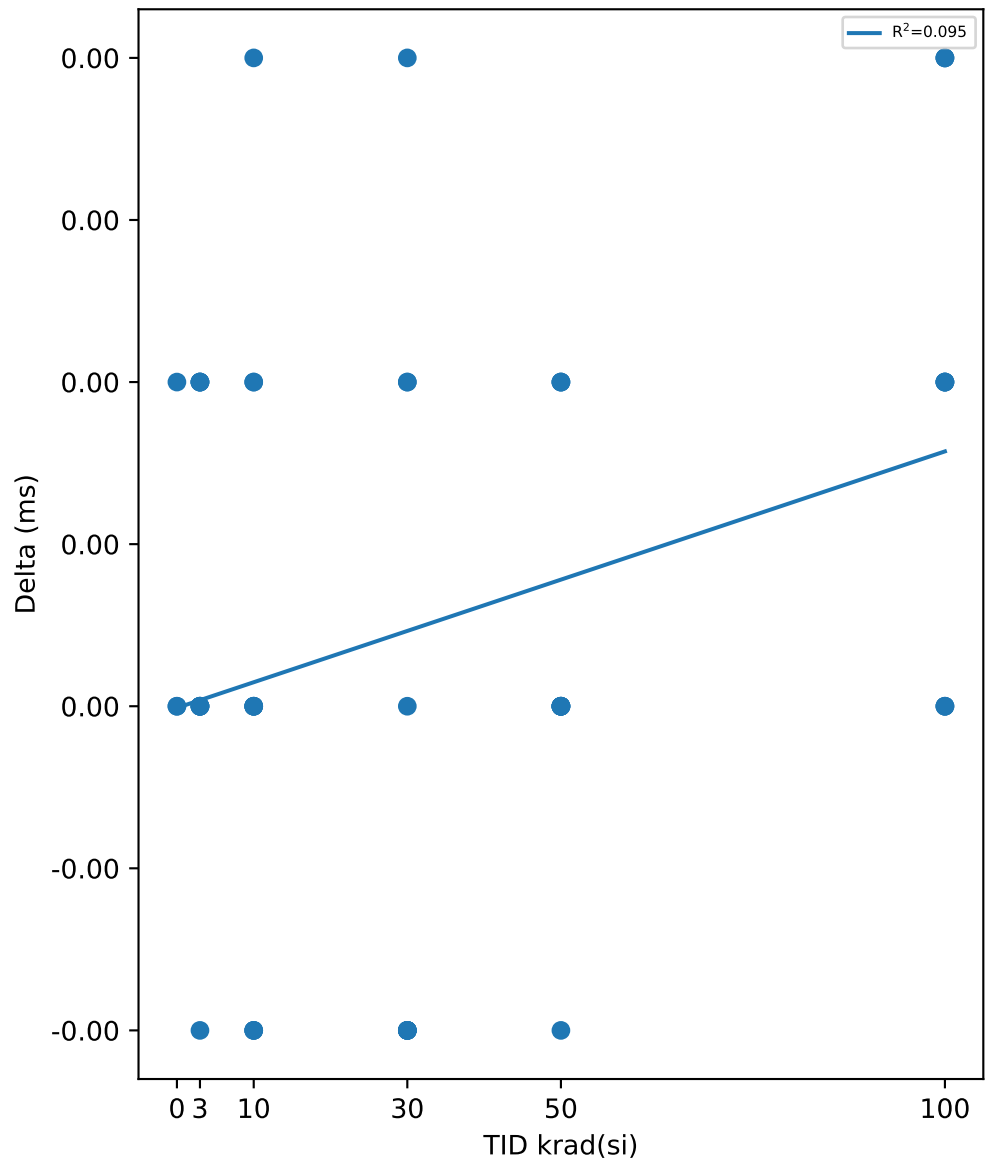
TID vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.263      | 0.263       | 0      |
| 301      | 0        | Correlation         | 0.261      | 0.261       | 0      |
| 302      | 0        | Correlation         | 0.255      | 0.256       | 0.001  |
| 303      | 3        | Bias                | 0.256      | 0.257       | 0.001  |
| 304      | 3        | Bias                | 0.256      | 0.255       | -0.001 |
| 305      | 3        | Bias                | 0.264      | 0.265       | 0.001  |
| 306      | 3        | Bias                | 0.264      | 0.264       | 0      |
| 307      | 3        | Bias                | 0.263      | 0.263       | 0      |
| 308      | 3        | Unbiased            | 0.262      | 0.262       | 0      |
| 309      | 3        | Unbiased            | 0.266      | 0.266       | 0      |
| 310      | 3        | Unbiased            | 0.264      | 0.265       | 0.001  |
| 311      | 3        | Unbiased            | 0.255      | 0.256       | 0.001  |
| 312      | 3        | Unbiased            | 0.256      | 0.256       | 0      |
| 313      | 10       | Bias                | 0.256      | 0.256       | 0      |
| 314      | 10       | Bias                | 0.256      | 0.255       | -0.001 |
| 315      | 10       | Bias                | 0.255      | 0.255       | 0      |
| 316      | 10       | Bias                | 0.262      | 0.262       | 0      |
| 317      | 10       | Bias                | 0.264      | 0.265       | 0.001  |
| 318      | 10       | Unbiased            | 0.266      | 0.267       | 0.001  |
| 319      | 10       | Unbiased            | 0.256      | 0.255       | -0.001 |
| 320      | 10       | Unbiased            | 0.266      | 0.265       | -0.001 |
| 321      | 10       | Unbiased            | 0.264      | 0.264       | 0      |
| 322      | 10       | Unbiased            | 0.265      | 0.267       | 0.002  |
| 323      | 30       | Bias                | 0.257      | 0.256       | -0.001 |
| 324      | 30       | Bias                | 0.255      | 0.257       | 0.002  |
| 325      | 30       | Bias                | 0.264      | 0.263       | -0.001 |
| 326      | 30       | Bias                | 0.261      | 0.262       | 0.001  |
| 327      | 30       | Bias                | 0.255      | 0.254       | -0.001 |
| 328      | 30       | Unbiased            | 0.263      | 0.262       | -0.001 |
| 329      | 30       | Unbiased            | 0.258      | 0.257       | -0.001 |
| 330      | 30       | Unbiased            | 0.254      | 0.254       | 0      |
| 331      | 30       | Unbiased            | 0.264      | 0.263       | -0.001 |
| 332      | 30       | Unbiased            | 0.263      | 0.264       | 0.001  |
| 333      | 50       | Bias                | 0.262      | 0.262       | 0      |
| 334      | 50       | Bias                | 0.264      | 0.263       | -0.001 |
| 335      | 50       | Bias                | 0.256      | 0.257       | 0.001  |
| 336      | 50       | Bias                | 0.263      | 0.264       | 0.001  |
| 337      | 50       | Bias                | 0.257      | 0.257       | 0      |
| 338      | 50       | Unbiased            | 0.261      | 0.262       | 0.001  |
| 339      | 50       | Unbiased            | 0.261      | 0.261       | 0      |
| 340      | 50       | Unbiased            | 0.264      | 0.264       | 0      |
| 341      | 50       | Unbiased            | 0.264      | 0.264       | 0      |
| 342      | 50       | Unbiased            | 0.258      | 0.258       | 0      |
| 343      | 100      | Bias                | 0.263      | 0.264       | 0.001  |
| 344      | 100      | Bias                | 0.261      | 0.263       | 0.002  |
| 345      | 100      | Bias                | 0.257      | 0.259       | 0.002  |
| 346      | 100      | Bias                | 0.258      | 0.258       | 0      |
| 347      | 100      | Bias                | 0.258      | 0.258       | 0      |
| 348      | 100      | Unbiased            | 0.265      | 0.267       | 0.002  |
| 349      | 100      | Unbiased            | 0.256      | 0.257       | 0.001  |
| 350      | 100      | Unbiased            | 0.266      | 0.267       | 0.001  |
| 351      | 100      | Unbiased            | 0.263      | 0.264       | 0.001  |
| 352      | 100      | Unbiased            | 0.263      | 0.263       | 0      |

TID vs Post - Pre Exposure Delta

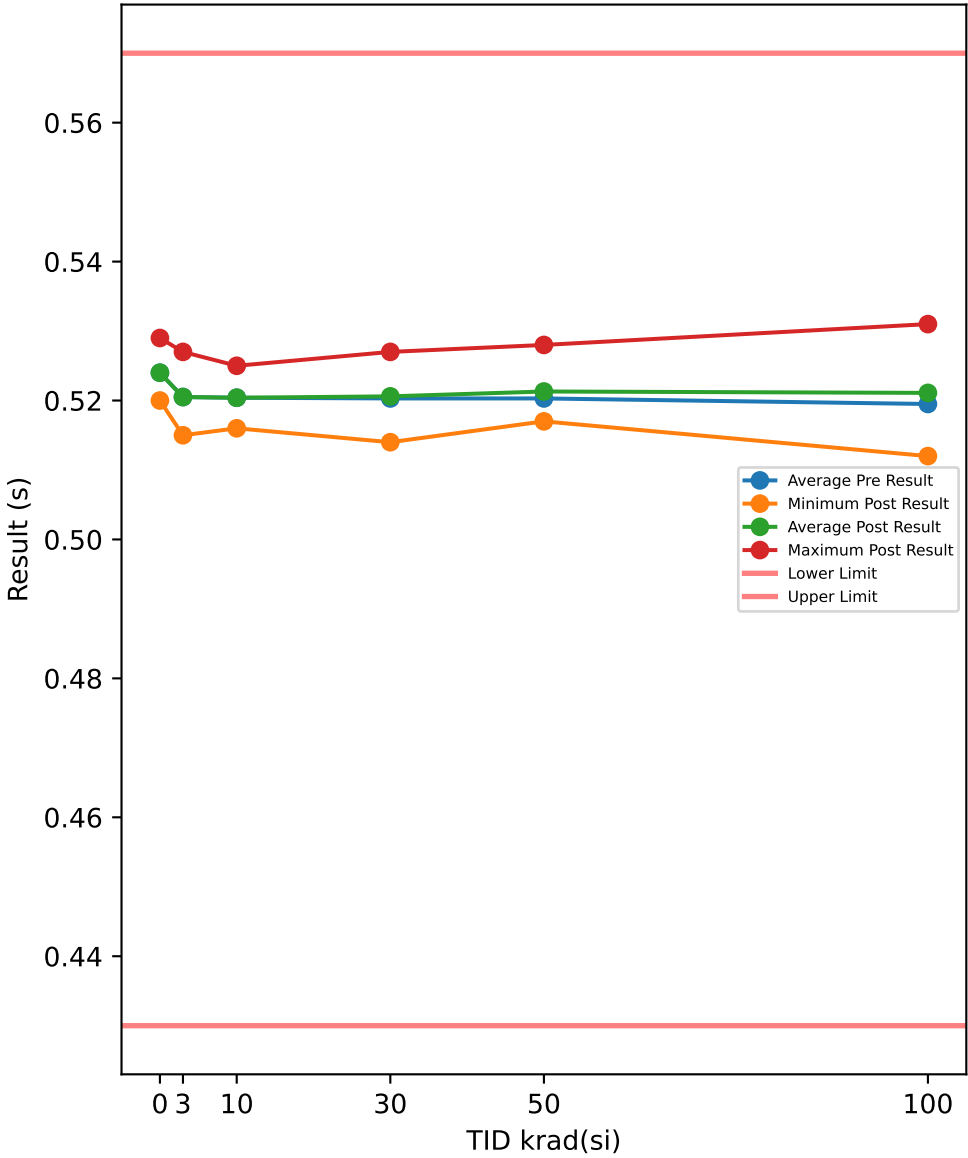


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|------------|
| 0        | 0.255            | 0.25967          | 0.263            | 0.0041633        | 0.256             | 0.26              | 0.263             | 0.0036056         | 0         | 0.00033333 | 0.001     | 0.00057735 |
| 3        | 0.255            | 0.2606           | 0.266            | 0.0042999        | 0.255             | 0.2609            | 0.266             | 0.004383          | -0.001    | 0.0003     | 0.001     | 0.00067495 |
| 10       | 0.255            | 0.261            | 0.266            | 0.0046667        | 0.255             | 0.2611            | 0.267             | 0.0052377         | -0.001    | 0.0001     | 0.002     | 0.00099443 |
| 30       | 0.254            | 0.2594           | 0.264            | 0.0040332        | 0.254             | 0.2592            | 0.264             | 0.0039665         | -0.001    | -0.0002    | 0.002     | 0.0011353  |
| 50       | 0.256            | 0.261            | 0.264            | 0.0030185        | 0.257             | 0.2612            | 0.264             | 0.0028597         | -0.001    | 0.0002     | 0.001     | 0.00063246 |
| 100      | 0.256            | 0.261            | 0.266            | 0.0035277        | 0.257             | 0.262             | 0.267             | 0.0037417         | 0         | 0.001      | 0.002     | 0.0008165  |



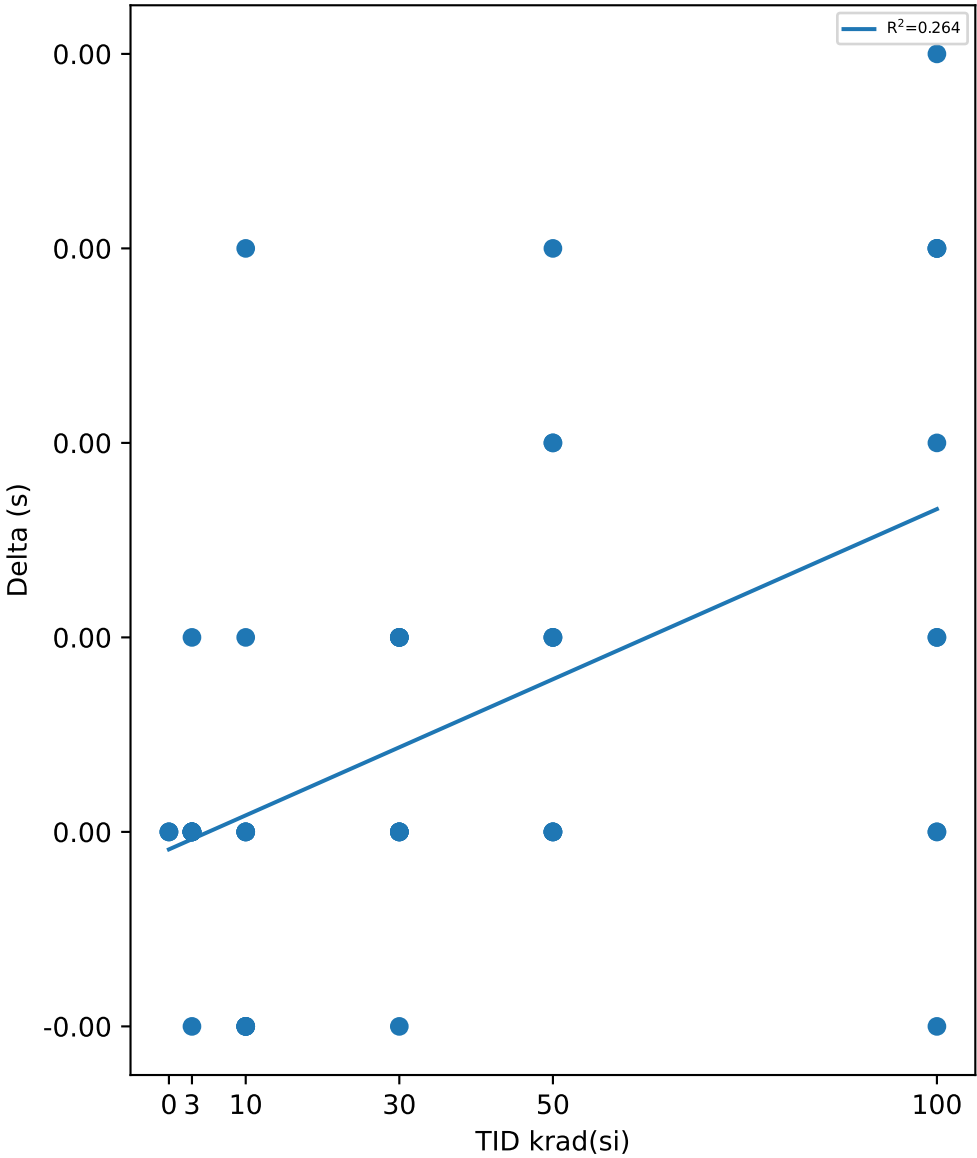
TID vs Result Stats



Test Results (Lower Limit = 0.43, Upper Limit = 0.57 (s))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.529      | 0.529       | 0      |
| 301      | 0        | Correlation         | 0.52       | 0.52        | 0      |
| 302      | 0        | Correlation         | 0.523      | 0.523       | 0      |
| 303      | 3        | Bias                | 0.526      | 0.527       | 0.001  |
| 304      | 3        | Bias                | 0.519      | 0.519       | 0      |
| 305      | 3        | Bias                | 0.516      | 0.515       | -0.001 |
| 306      | 3        | Bias                | 0.521      | 0.521       | 0      |
| 307      | 3        | Bias                | 0.519      | 0.519       | 0      |
| 308      | 3        | Unbiased            | 0.523      | 0.523       | 0      |
| 309      | 3        | Unbiased            | 0.519      | 0.519       | 0      |
| 310      | 3        | Unbiased            | 0.52       | 0.52        | 0      |
| 311      | 3        | Unbiased            | 0.521      | 0.521       | 0      |
| 312      | 3        | Unbiased            | 0.521      | 0.521       | 0      |
| 313      | 10       | Bias                | 0.515      | 0.516       | 0.001  |
| 314      | 10       | Bias                | 0.522      | 0.521       | -0.001 |
| 315      | 10       | Bias                | 0.523      | 0.523       | 0      |
| 316      | 10       | Bias                | 0.519      | 0.519       | 0      |
| 317      | 10       | Bias                | 0.518      | 0.518       | 0      |
| 318      | 10       | Unbiased            | 0.522      | 0.521       | -0.001 |
| 319      | 10       | Unbiased            | 0.521      | 0.521       | 0      |
| 320      | 10       | Unbiased            | 0.518      | 0.521       | 0.003  |
| 321      | 10       | Unbiased            | 0.52       | 0.519       | -0.001 |
| 322      | 10       | Unbiased            | 0.526      | 0.525       | -0.001 |
| 323      | 30       | Bias                | 0.516      | 0.515       | -0.001 |
| 324      | 30       | Bias                | 0.513      | 0.514       | 0.001  |
| 325      | 30       | Bias                | 0.527      | 0.527       | 0      |
| 326      | 30       | Bias                | 0.519      | 0.52        | 0.001  |
| 327      | 30       | Bias                | 0.517      | 0.517       | 0      |
| 328      | 30       | Unbiased            | 0.523      | 0.524       | 0.001  |
| 329      | 30       | Unbiased            | 0.52       | 0.52        | 0      |
| 330      | 30       | Unbiased            | 0.523      | 0.523       | 0      |
| 331      | 30       | Unbiased            | 0.522      | 0.523       | 0.001  |
| 332      | 30       | Unbiased            | 0.523      | 0.523       | 0      |
| 333      | 50       | Bias                | 0.52       | 0.52        | 0      |
| 334      | 50       | Bias                | 0.519      | 0.519       | 0      |
| 335      | 50       | Bias                | 0.527      | 0.528       | 0.001  |
| 336      | 50       | Bias                | 0.517      | 0.517       | 0      |
| 337      | 50       | Bias                | 0.519      | 0.52        | 0.001  |
| 338      | 50       | Unbiased            | 0.519      | 0.52        | 0.001  |
| 339      | 50       | Unbiased            | 0.518      | 0.52        | 0.002  |
| 340      | 50       | Unbiased            | 0.521      | 0.523       | 0.002  |
| 341      | 50       | Unbiased            | 0.517      | 0.52        | 0.003  |
| 342      | 50       | Unbiased            | 0.526      | 0.526       | 0      |
| 343      | 100      | Bias                | 0.521      | 0.52        | -0.001 |
| 344      | 100      | Bias                | 0.512      | 0.512       | 0      |
| 345      | 100      | Bias                | 0.517      | 0.518       | 0.001  |
| 346      | 100      | Bias                | 0.518      | 0.522       | 0.004  |
| 347      | 100      | Bias                | 0.528      | 0.531       | 0.003  |
| 348      | 100      | Unbiased            | 0.514      | 0.516       | 0.002  |
| 349      | 100      | Unbiased            | 0.518      | 0.518       | 0      |
| 350      | 100      | Unbiased            | 0.524      | 0.527       | 0.003  |
| 351      | 100      | Unbiased            | 0.519      | 0.522       | 0.003  |
| 352      | 100      | Unbiased            | 0.524      | 0.525       | 0.001  |

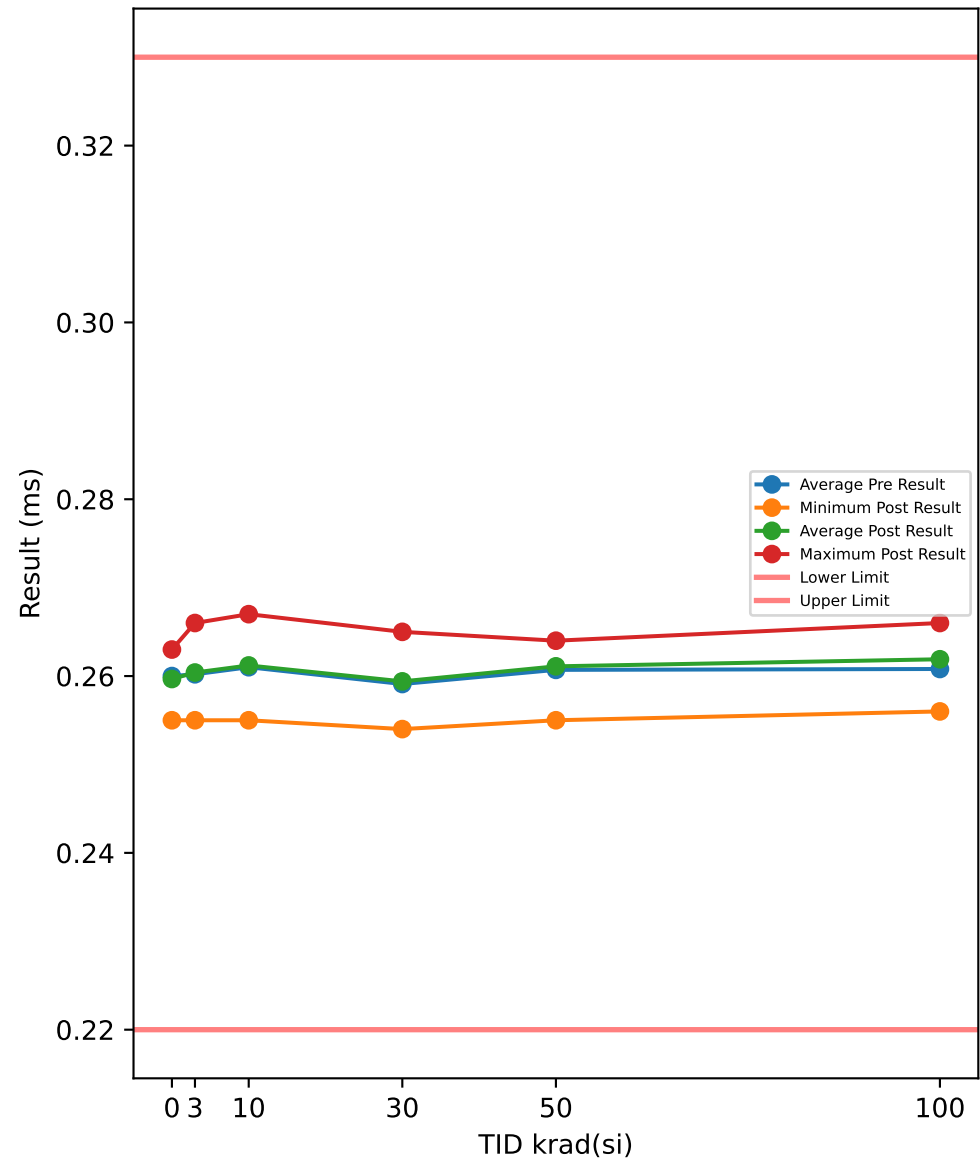
TID vs Post - Pre Exposure Delta



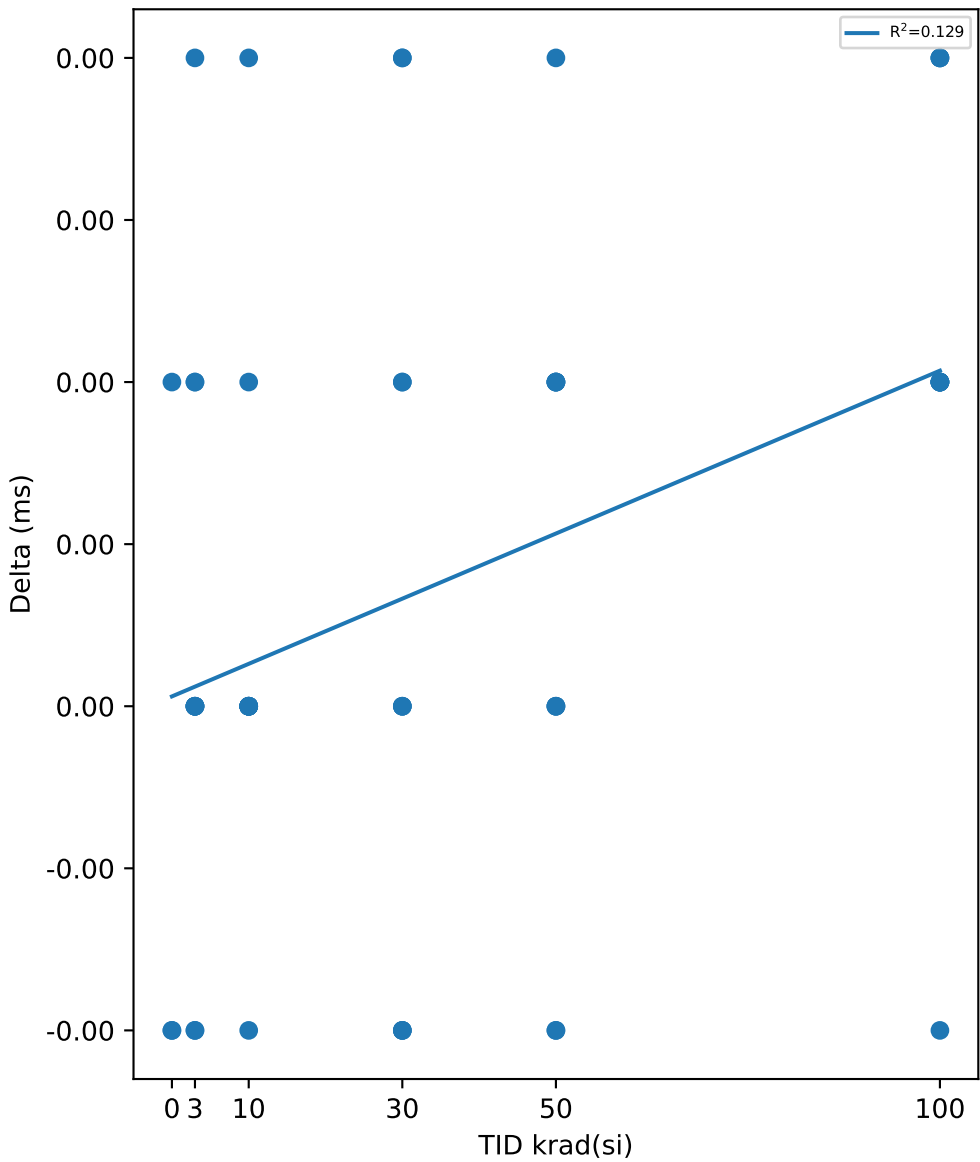
Test Statistics (s)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| 0        | 0.52             | 0.524            | 0.529            | 0.0045826        | 0.52              | 0.524             | 0.529             | 0.0045826         | 0         | 0         | 0         | 0          |
| 3        | 0.516            | 0.5205           | 0.526            | 0.0026771        | 0.515             | 0.5205            | 0.527             | 0.0031002         | -0.001    | 0         | 0.001     | 0.0004714  |
| 10       | 0.515            | 0.5204           | 0.526            | 0.0030984        | 0.516             | 0.5204            | 0.525             | 0.0025473         | -0.001    | 0         | 0.003     | 0.0012472  |
| 30       | 0.513            | 0.5203           | 0.527            | 0.0041379        | 0.514             | 0.5206            | 0.527             | 0.0041952         | -0.001    | 0.0003    | 0.001     | 0.00067495 |
| 50       | 0.517            | 0.5203           | 0.527            | 0.0034976        | 0.517             | 0.5213            | 0.528             | 0.0033682         | 0         | 0.001     | 0.003     | 0.0010541  |
| 100      | 0.512            | 0.5195           | 0.528            | 0.0048591        | 0.512             | 0.5211            | 0.531             | 0.0055668         | -0.001    | 0.0016    | 0.004     | 0.0016465  |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



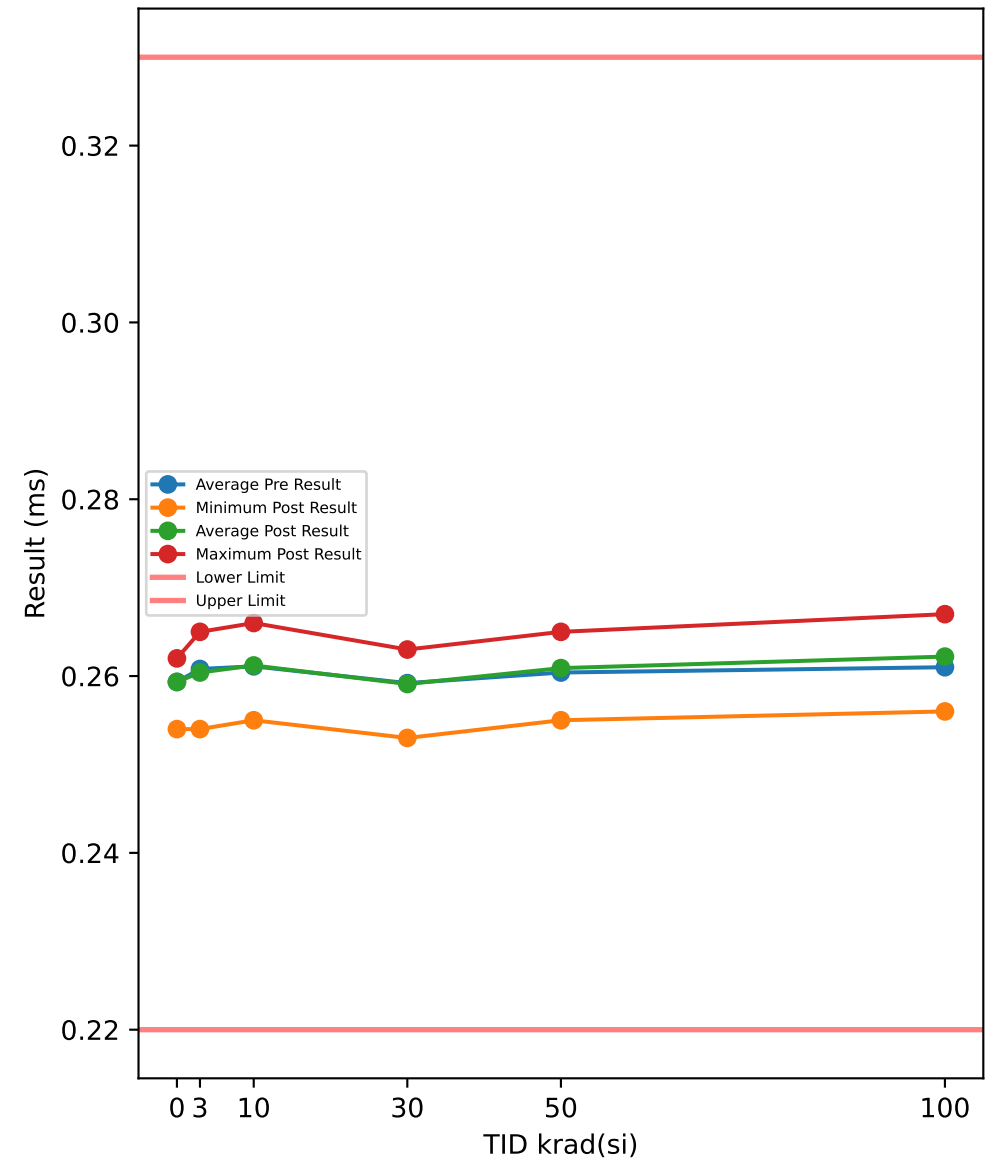
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.262      | 0.263       | 0.001  |
| 301      | 0        | Correlation         | 0.262      | 0.261       | -0.001 |
| 302      | 0        | Correlation         | 0.256      | 0.255       | -0.001 |
| 303      | 3        | Bias                | 0.256      | 0.257       | 0.001  |
| 304      | 3        | Bias                | 0.255      | 0.255       | 0      |
| 305      | 3        | Bias                | 0.264      | 0.263       | -0.001 |
| 306      | 3        | Bias                | 0.262      | 0.262       | 0      |
| 307      | 3        | Bias                | 0.263      | 0.263       | 0      |
| 308      | 3        | Unbiased            | 0.262      | 0.262       | 0      |
| 309      | 3        | Unbiased            | 0.264      | 0.266       | 0.002  |
| 310      | 3        | Unbiased            | 0.265      | 0.264       | -0.001 |
| 311      | 3        | Unbiased            | 0.256      | 0.256       | 0      |
| 312      | 3        | Unbiased            | 0.255      | 0.256       | 0.001  |
| 313      | 10       | Bias                | 0.256      | 0.256       | 0      |
| 314      | 10       | Bias                | 0.255      | 0.255       | 0      |
| 315      | 10       | Bias                | 0.256      | 0.256       | 0      |
| 316      | 10       | Bias                | 0.262      | 0.262       | 0      |
| 317      | 10       | Bias                | 0.264      | 0.264       | 0      |
| 318      | 10       | Unbiased            | 0.266      | 0.267       | 0.001  |
| 319      | 10       | Unbiased            | 0.256      | 0.256       | 0      |
| 320      | 10       | Unbiased            | 0.265      | 0.265       | 0      |
| 321      | 10       | Unbiased            | 0.264      | 0.266       | 0.002  |
| 322      | 10       | Unbiased            | 0.266      | 0.265       | -0.001 |
| 323      | 30       | Bias                | 0.256      | 0.256       | 0      |
| 324      | 30       | Bias                | 0.255      | 0.257       | 0.002  |
| 325      | 30       | Bias                | 0.264      | 0.263       | -0.001 |
| 326      | 30       | Bias                | 0.261      | 0.261       | 0      |
| 327      | 30       | Bias                | 0.255      | 0.254       | -0.001 |
| 328      | 30       | Unbiased            | 0.263      | 0.262       | -0.001 |
| 329      | 30       | Unbiased            | 0.258      | 0.258       | 0      |
| 330      | 30       | Unbiased            | 0.254      | 0.255       | 0.001  |
| 331      | 30       | Unbiased            | 0.263      | 0.265       | 0.002  |
| 332      | 30       | Unbiased            | 0.262      | 0.263       | 0.001  |
| 333      | 50       | Bias                | 0.263      | 0.263       | 0      |
| 334      | 50       | Bias                | 0.262      | 0.263       | 0.001  |
| 335      | 50       | Bias                | 0.256      | 0.257       | 0.001  |
| 336      | 50       | Bias                | 0.263      | 0.264       | 0.001  |
| 337      | 50       | Bias                | 0.255      | 0.255       | 0      |
| 338      | 50       | Unbiased            | 0.263      | 0.262       | -0.001 |
| 339      | 50       | Unbiased            | 0.26       | 0.261       | 0.001  |
| 340      | 50       | Unbiased            | 0.263      | 0.263       | 0      |
| 341      | 50       | Unbiased            | 0.265      | 0.264       | -0.001 |
| 342      | 50       | Unbiased            | 0.257      | 0.259       | 0.002  |
| 343      | 100      | Bias                | 0.264      | 0.265       | 0.001  |
| 344      | 100      | Bias                | 0.262      | 0.263       | 0.001  |
| 345      | 100      | Bias                | 0.257      | 0.259       | 0.002  |
| 346      | 100      | Bias                | 0.257      | 0.258       | 0.001  |
| 347      | 100      | Bias                | 0.258      | 0.259       | 0.001  |
| 348      | 100      | Unbiased            | 0.264      | 0.266       | 0.002  |
| 349      | 100      | Unbiased            | 0.255      | 0.256       | 0.001  |
| 350      | 100      | Unbiased            | 0.266      | 0.265       | -0.001 |
| 351      | 100      | Unbiased            | 0.264      | 0.265       | 0.001  |
| 352      | 100      | Unbiased            | 0.261      | 0.263       | 0.002  |

Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|------------|
| 0        | 0.256            | 0.26             | 0.262            | 0.0034641        | 0.255             | 0.25967           | 0.263             | 0.0041633         | -0.001    | -0.00033333 | 0.001     | 0.0011547  |
| 3        | 0.255            | 0.2602           | 0.265            | 0.004158         | 0.255             | 0.2604            | 0.266             | 0.0039777         | -0.001    | 0.0002      | 0.002     | 0.00091894 |
| 10       | 0.255            | 0.261            | 0.266            | 0.0046667        | 0.255             | 0.2612            | 0.267             | 0.0048717         | -0.001    | 0.0002      | 0.002     | 0.00078881 |
| 30       | 0.254            | 0.2591           | 0.264            | 0.0039001        | 0.254             | 0.2594            | 0.265             | 0.0038644         | -0.001    | 0.0003      | 0.002     | 0.0011595  |
| 50       | 0.255            | 0.2607           | 0.265            | 0.0034976        | 0.255             | 0.2611            | 0.264             | 0.0031073         | -0.001    | 0.0004      | 0.002     | 0.00096609 |
| 100      | 0.255            | 0.2608           | 0.266            | 0.0037947        | 0.256             | 0.2619            | 0.266             | 0.003573          | -0.001    | 0.0011      | 0.002     | 0.0008756  |

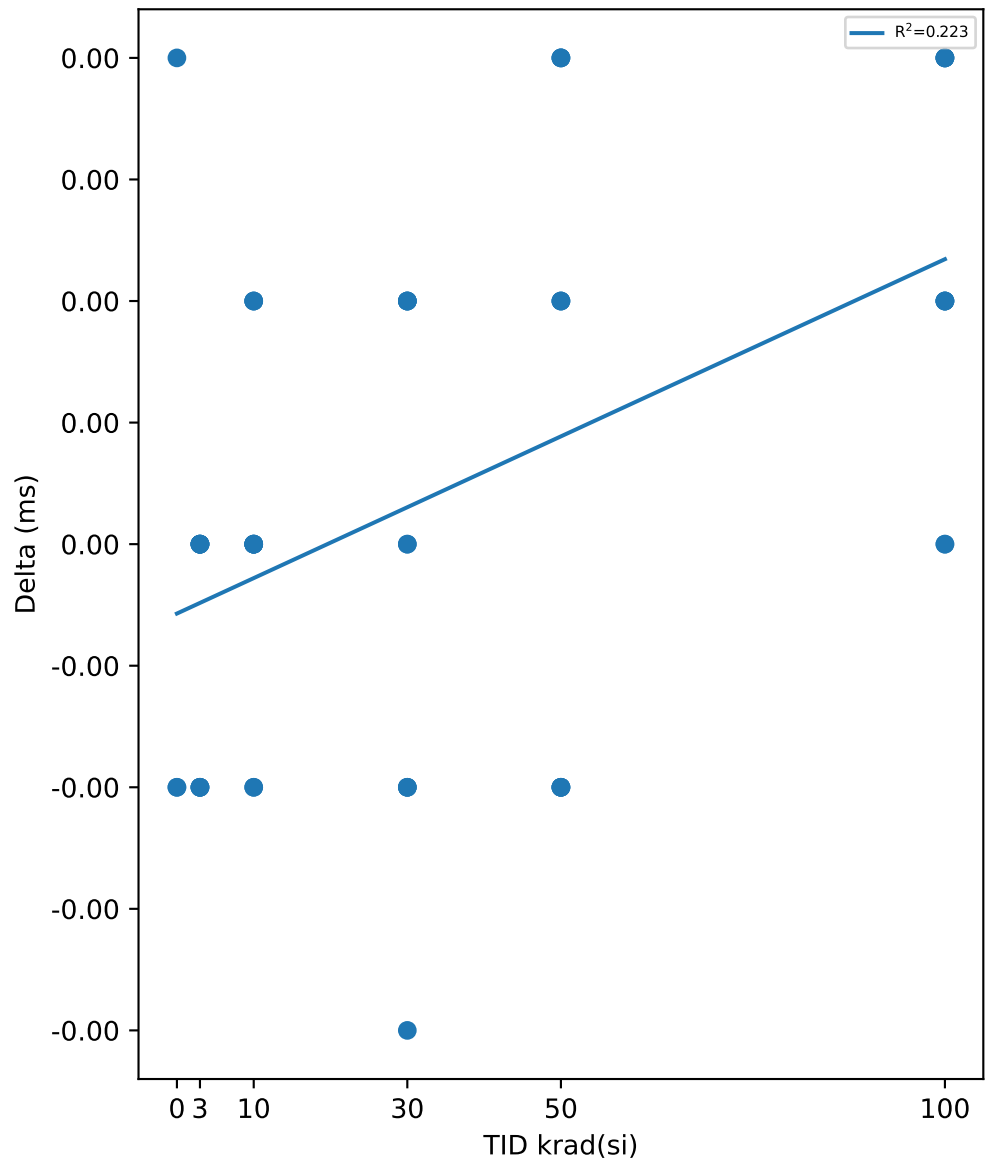
TID vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.263      | 0.262       | -0.001 |
| 301      | 0        | Correlation         | 0.26       | 0.262       | 0.002  |
| 302      | 0        | Correlation         | 0.255      | 0.254       | -0.001 |
| 303      | 3        | Bias                | 0.257      | 0.257       | 0      |
| 304      | 3        | Bias                | 0.255      | 0.254       | -0.001 |
| 305      | 3        | Bias                | 0.264      | 0.264       | 0      |
| 306      | 3        | Bias                | 0.264      | 0.263       | -0.001 |
| 307      | 3        | Bias                | 0.264      | 0.263       | -0.001 |
| 308      | 3        | Unbiased            | 0.263      | 0.263       | 0      |
| 309      | 3        | Unbiased            | 0.265      | 0.265       | 0      |
| 310      | 3        | Unbiased            | 0.265      | 0.265       | 0      |
| 311      | 3        | Unbiased            | 0.255      | 0.255       | 0      |
| 312      | 3        | Unbiased            | 0.256      | 0.255       | -0.001 |
| 313      | 10       | Bias                | 0.256      | 0.256       | 0      |
| 314      | 10       | Bias                | 0.255      | 0.255       | 0      |
| 315      | 10       | Bias                | 0.255      | 0.255       | 0      |
| 316      | 10       | Bias                | 0.262      | 0.263       | 0.001  |
| 317      | 10       | Bias                | 0.265      | 0.264       | -0.001 |
| 318      | 10       | Unbiased            | 0.266      | 0.266       | 0      |
| 319      | 10       | Unbiased            | 0.257      | 0.257       | 0      |
| 320      | 10       | Unbiased            | 0.266      | 0.265       | -0.001 |
| 321      | 10       | Unbiased            | 0.264      | 0.265       | 0.001  |
| 322      | 10       | Unbiased            | 0.265      | 0.266       | 0.001  |
| 323      | 30       | Bias                | 0.256      | 0.257       | 0.001  |
| 324      | 30       | Bias                | 0.256      | 0.257       | 0.001  |
| 325      | 30       | Bias                | 0.264      | 0.262       | -0.002 |
| 326      | 30       | Bias                | 0.262      | 0.261       | -0.001 |
| 327      | 30       | Bias                | 0.254      | 0.253       | -0.001 |
| 328      | 30       | Unbiased            | 0.262      | 0.262       | 0      |
| 329      | 30       | Unbiased            | 0.257      | 0.258       | 0.001  |
| 330      | 30       | Unbiased            | 0.254      | 0.255       | 0.001  |
| 331      | 30       | Unbiased            | 0.264      | 0.263       | -0.001 |
| 332      | 30       | Unbiased            | 0.263      | 0.263       | 0      |
| 333      | 50       | Bias                | 0.261      | 0.263       | 0.002  |
| 334      | 50       | Bias                | 0.262      | 0.263       | 0.001  |
| 335      | 50       | Bias                | 0.256      | 0.255       | -0.001 |
| 336      | 50       | Bias                | 0.264      | 0.263       | -0.001 |
| 337      | 50       | Bias                | 0.256      | 0.255       | -0.001 |
| 338      | 50       | Unbiased            | 0.261      | 0.262       | 0.001  |
| 339      | 50       | Unbiased            | 0.261      | 0.26        | -0.001 |
| 340      | 50       | Unbiased            | 0.263      | 0.265       | 0.002  |
| 341      | 50       | Unbiased            | 0.263      | 0.265       | 0.002  |
| 342      | 50       | Unbiased            | 0.257      | 0.258       | 0.001  |
| 343      | 100      | Bias                | 0.264      | 0.266       | 0.002  |
| 344      | 100      | Bias                | 0.263      | 0.263       | 0      |
| 345      | 100      | Bias                | 0.257      | 0.259       | 0.002  |
| 346      | 100      | Bias                | 0.257      | 0.258       | 0.001  |
| 347      | 100      | Bias                | 0.256      | 0.257       | 0.001  |
| 348      | 100      | Unbiased            | 0.265      | 0.267       | 0.002  |
| 349      | 100      | Unbiased            | 0.256      | 0.256       | 0      |
| 350      | 100      | Unbiased            | 0.266      | 0.267       | 0.001  |
| 351      | 100      | Unbiased            | 0.264      | 0.265       | 0.001  |
| 352      | 100      | Unbiased            | 0.262      | 0.264       | 0.002  |

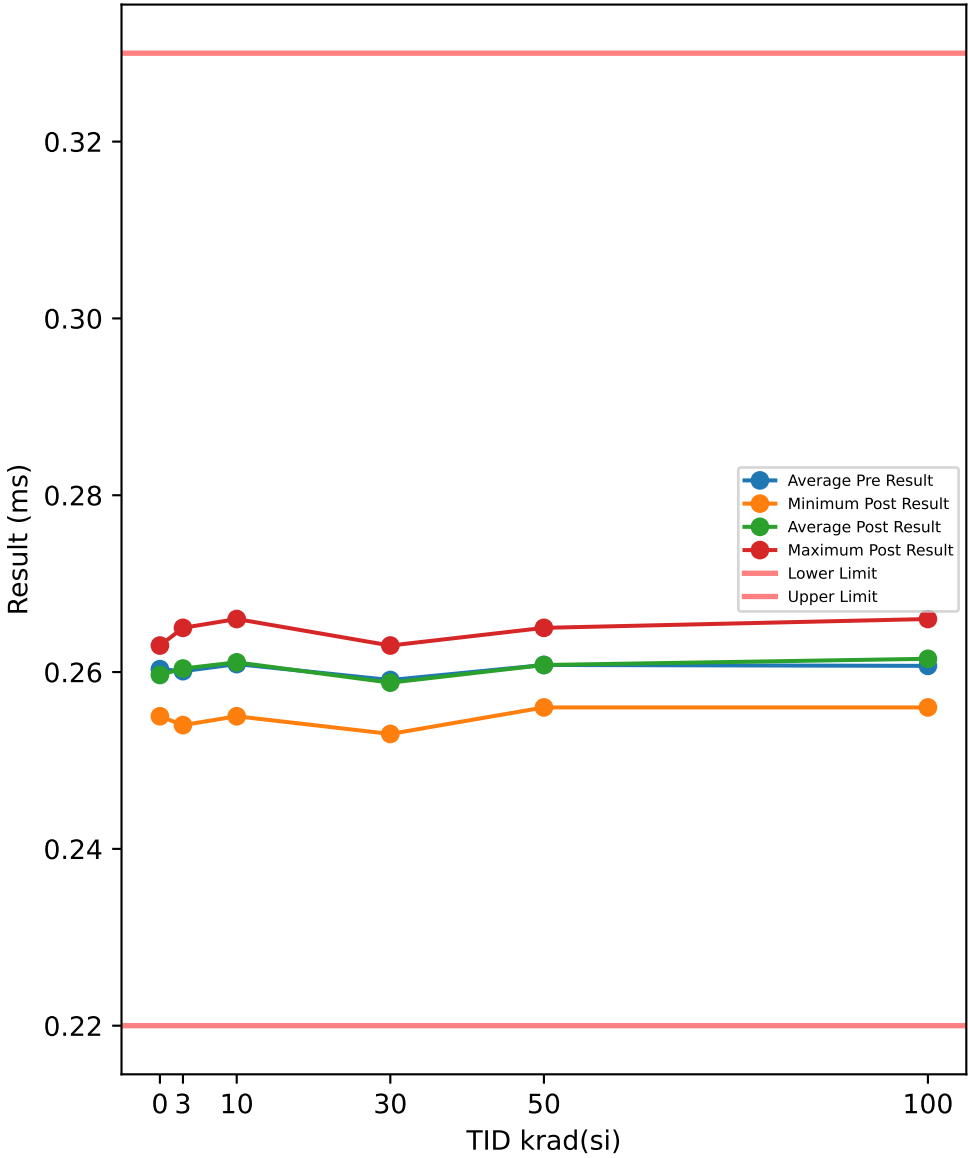
TID vs Post - Pre Exposure Delta



Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| 0        | 0.255            | 0.25933          | 0.263            | 0.0040415        | 0.254             | 0.25933           | 0.262             | 0.0046188         | -0.001    | 0         | 0.002     | 0.0017321  |
| 3        | 0.255            | 0.2608           | 0.265            | 0.0044171        | 0.254             | 0.2604            | 0.265             | 0.0045509         | -0.001    | -0.0004   | 0         | 0.0005164  |
| 10       | 0.255            | 0.2611           | 0.266            | 0.0047714        | 0.255             | 0.2612            | 0.266             | 0.0048028         | -0.001    | 0.0001    | 0.001     | 0.00073786 |
| 30       | 0.254            | 0.2592           | 0.264            | 0.004158         | 0.253             | 0.2591            | 0.263             | 0.003573          | -0.002    | -0.0001   | 0.001     | 0.0011005  |
| 50       | 0.256            | 0.2604           | 0.264            | 0.0029889        | 0.255             | 0.2609            | 0.265             | 0.003755          | -0.001    | 0.0005    | 0.002     | 0.001354   |
| 100      | 0.256            | 0.261            | 0.266            | 0.0040277        | 0.256             | 0.2622            | 0.267             | 0.0042895         | 0         | 0.0012    | 0.002     | 0.00078881 |

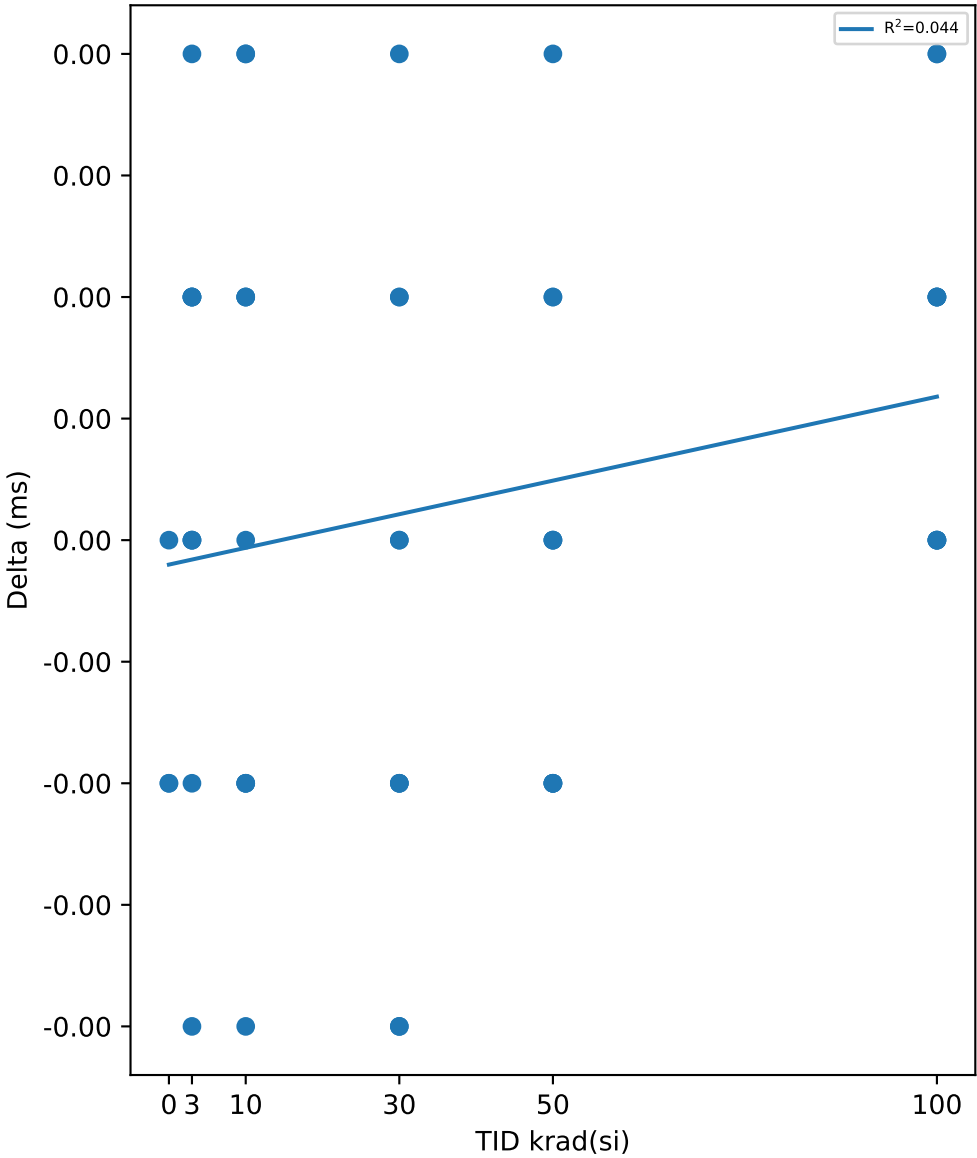
TID vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.264      | 0.263       | -0.001 |
| 301      | 0        | Correlation         | 0.262      | 0.261       | -0.001 |
| 302      | 0        | Correlation         | 0.255      | 0.255       | 0      |
| 303      | 3        | Bias                | 0.256      | 0.257       | 0.001  |
| 304      | 3        | Bias                | 0.255      | 0.254       | -0.001 |
| 305      | 3        | Bias                | 0.263      | 0.263       | 0      |
| 306      | 3        | Bias                | 0.263      | 0.264       | 0.001  |
| 307      | 3        | Bias                | 0.264      | 0.262       | -0.002 |
| 308      | 3        | Unbiased            | 0.261      | 0.263       | 0.002  |
| 309      | 3        | Unbiased            | 0.265      | 0.265       | 0      |
| 310      | 3        | Unbiased            | 0.264      | 0.265       | 0.001  |
| 311      | 3        | Unbiased            | 0.255      | 0.255       | 0      |
| 312      | 3        | Unbiased            | 0.255      | 0.256       | 0.001  |
| 313      | 10       | Bias                | 0.257      | 0.255       | -0.002 |
| 314      | 10       | Bias                | 0.255      | 0.255       | 0      |
| 315      | 10       | Bias                | 0.255      | 0.256       | 0.001  |
| 316      | 10       | Bias                | 0.263      | 0.264       | 0.001  |
| 317      | 10       | Bias                | 0.263      | 0.265       | 0.002  |
| 318      | 10       | Unbiased            | 0.266      | 0.265       | -0.001 |
| 319      | 10       | Unbiased            | 0.256      | 0.255       | -0.001 |
| 320      | 10       | Unbiased            | 0.266      | 0.265       | -0.001 |
| 321      | 10       | Unbiased            | 0.263      | 0.265       | 0.002  |
| 322      | 10       | Unbiased            | 0.265      | 0.266       | 0.001  |
| 323      | 30       | Bias                | 0.255      | 0.257       | 0.002  |
| 324      | 30       | Bias                | 0.256      | 0.256       | 0      |
| 325      | 30       | Bias                | 0.264      | 0.262       | -0.002 |
| 326      | 30       | Bias                | 0.261      | 0.262       | 0.001  |
| 327      | 30       | Bias                | 0.254      | 0.253       | -0.001 |
| 328      | 30       | Unbiased            | 0.263      | 0.262       | -0.001 |
| 329      | 30       | Unbiased            | 0.258      | 0.256       | -0.002 |
| 330      | 30       | Unbiased            | 0.254      | 0.255       | 0.001  |
| 331      | 30       | Unbiased            | 0.263      | 0.263       | 0      |
| 332      | 30       | Unbiased            | 0.263      | 0.262       | -0.001 |
| 333      | 50       | Bias                | 0.262      | 0.261       | -0.001 |
| 334      | 50       | Bias                | 0.263      | 0.262       | -0.001 |
| 335      | 50       | Bias                | 0.255      | 0.257       | 0.002  |
| 336      | 50       | Bias                | 0.264      | 0.264       | 0      |
| 337      | 50       | Bias                | 0.257      | 0.256       | -0.001 |
| 338      | 50       | Unbiased            | 0.262      | 0.262       | 0      |
| 339      | 50       | Unbiased            | 0.26       | 0.259       | -0.001 |
| 340      | 50       | Unbiased            | 0.264      | 0.264       | 0      |
| 341      | 50       | Unbiased            | 0.264      | 0.265       | 0.001  |
| 342      | 50       | Unbiased            | 0.257      | 0.258       | 0.001  |
| 343      | 100      | Bias                | 0.263      | 0.265       | 0.002  |
| 344      | 100      | Bias                | 0.262      | 0.263       | 0.001  |
| 345      | 100      | Bias                | 0.256      | 0.258       | 0.002  |
| 346      | 100      | Bias                | 0.257      | 0.257       | 0      |
| 347      | 100      | Bias                | 0.257      | 0.258       | 0.001  |
| 348      | 100      | Unbiased            | 0.265      | 0.266       | 0.001  |
| 349      | 100      | Unbiased            | 0.256      | 0.256       | 0      |
| 350      | 100      | Unbiased            | 0.266      | 0.266       | 0      |
| 351      | 100      | Unbiased            | 0.263      | 0.264       | 0.001  |
| 352      | 100      | Unbiased            | 0.262      | 0.262       | 0      |

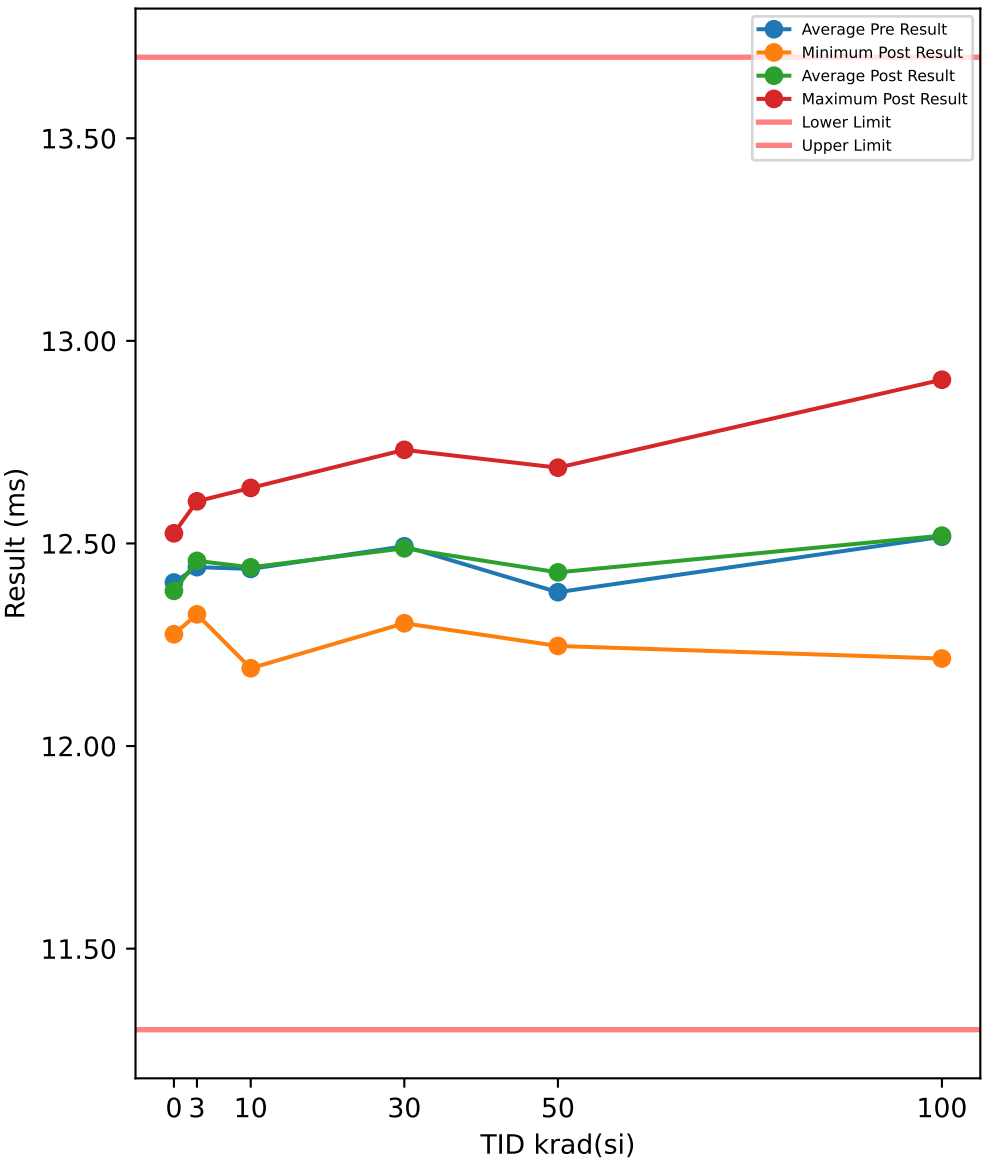
TID vs Post - Pre Exposure Delta



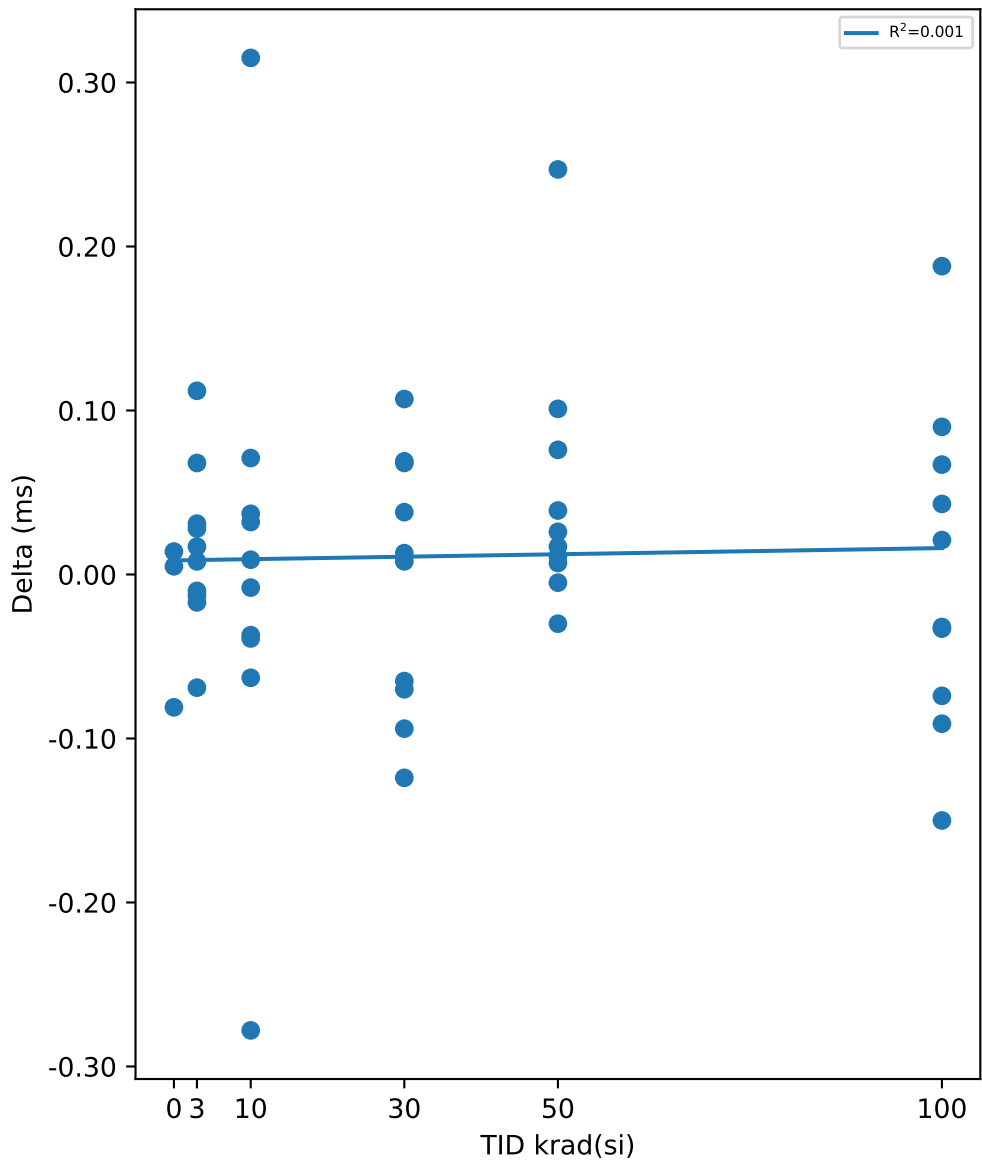
Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|------------|
| 0        | 0.255            | 0.26033          | 0.264            | 0.0047258        | 0.255             | 0.25967           | 0.263             | 0.0041633         | -0.001    | -0.00066667 | 0         | 0.00057735 |
| 3        | 0.255            | 0.2601           | 0.265            | 0.0043063        | 0.254             | 0.2604            | 0.265             | 0.0043767         | -0.002    | 0.0003      | 0.002     | 0.0011595  |
| 10       | 0.255            | 0.2609           | 0.266            | 0.0046056        | 0.255             | 0.2611            | 0.266             | 0.0050651         | -0.002    | 0.0002      | 0.002     | 0.0013984  |
| 30       | 0.254            | 0.2591           | 0.264            | 0.0041218        | 0.253             | 0.2588            | 0.263             | 0.0037357         | -0.002    | -0.0003     | 0.002     | 0.0013375  |
| 50       | 0.255            | 0.2608           | 0.264            | 0.0033599        | 0.256             | 0.2608            | 0.265             | 0.0031552         | -0.001    | 0           | 0.002     | 0.0010541  |
| 100      | 0.256            | 0.2607           | 0.266            | 0.0038312        | 0.256             | 0.2615            | 0.266             | 0.0038944         | 0         | 0.0008      | 0.002     | 0.00078881 |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



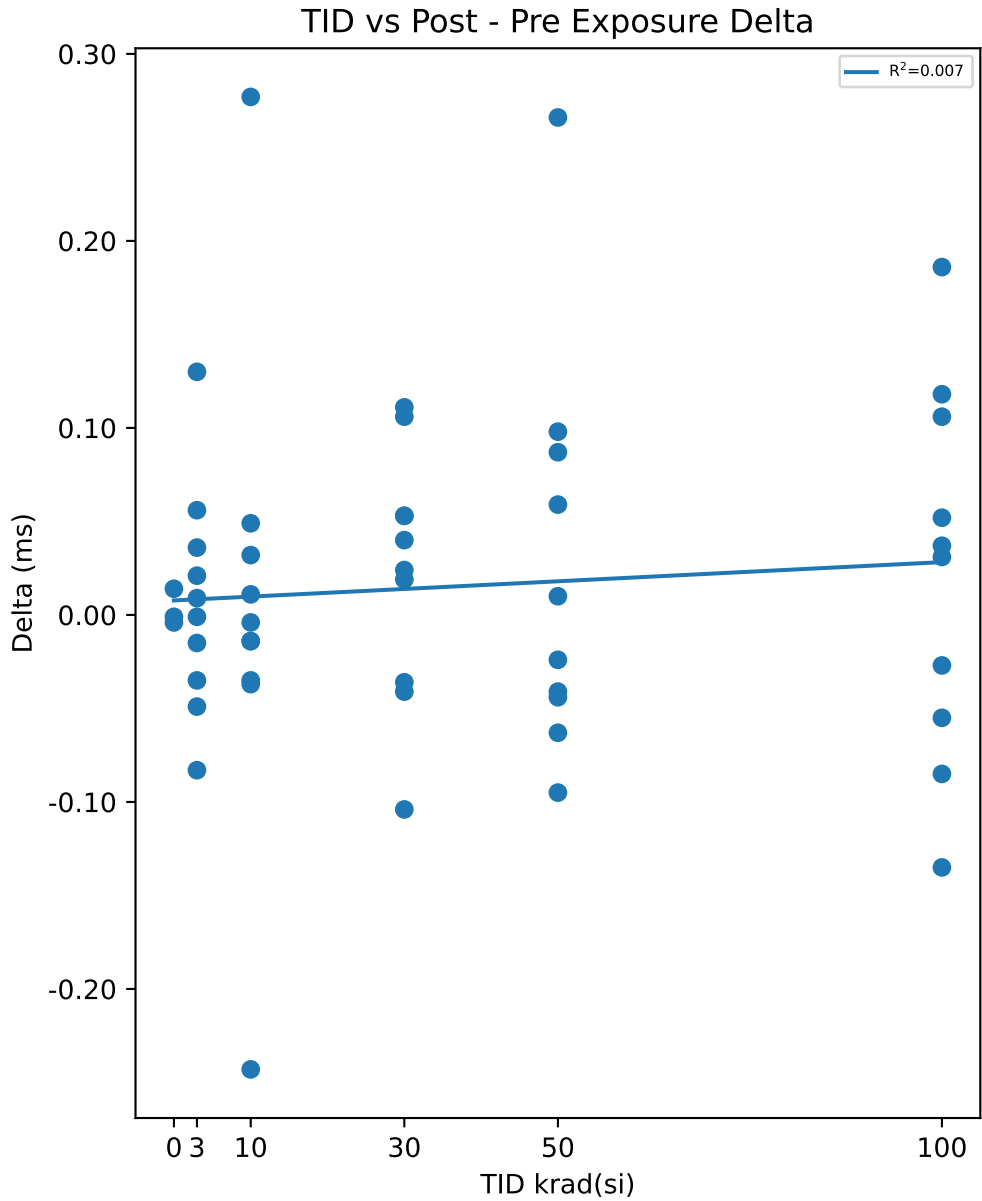
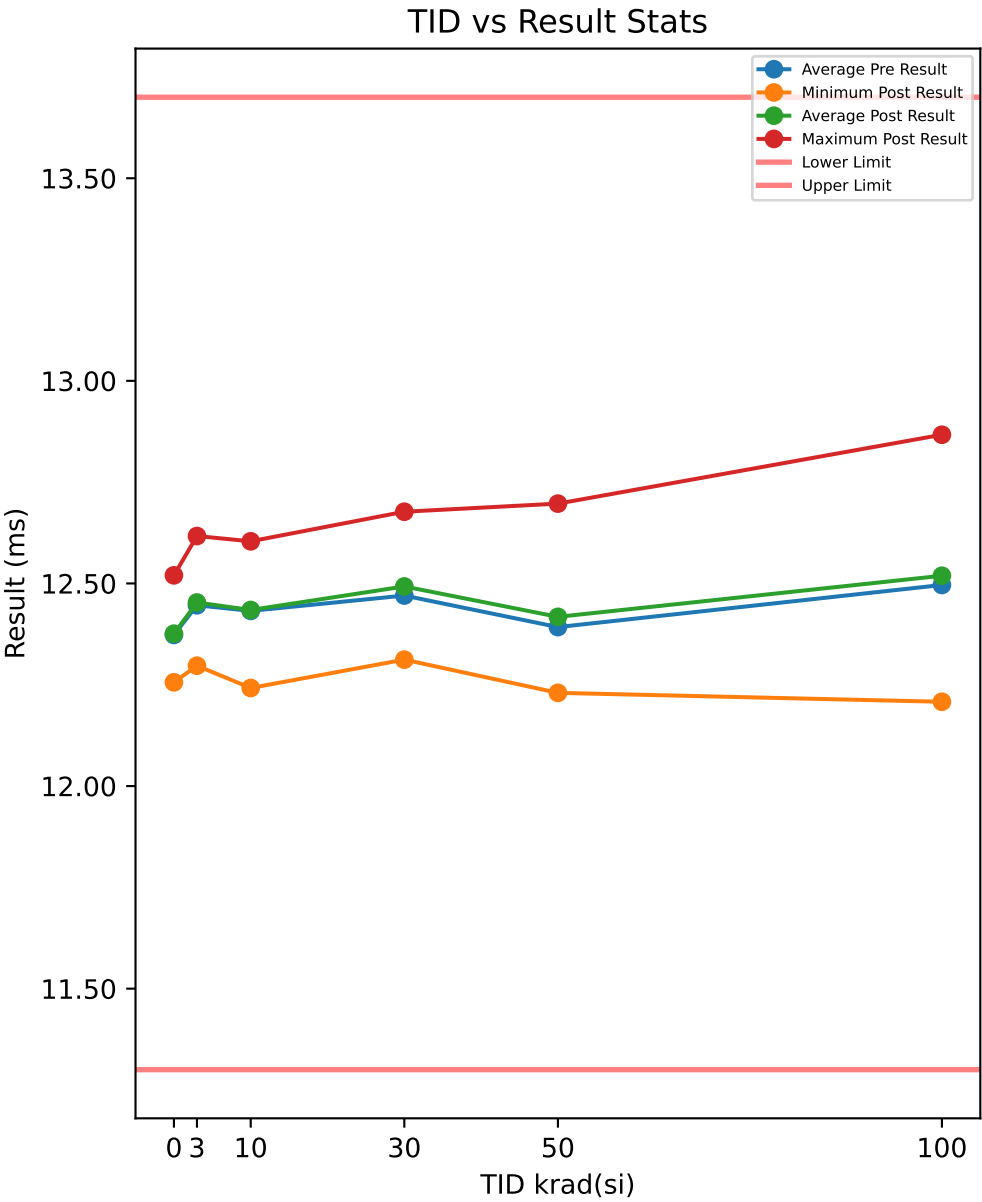
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 12.52      | 12.525      | 0.005  |
| 301      | 0        | Correlation         | 12.429     | 12.348      | -0.081 |
| 302      | 0        | Correlation         | 12.262     | 12.276      | 0.014  |
| 303      | 3        | Bias                | 12.298     | 12.366      | 0.068  |
| 304      | 3        | Bias                | 12.396     | 12.424      | 0.028  |
| 305      | 3        | Bias                | 12.606     | 12.589      | -0.017 |
| 306      | 3        | Bias                | 12.55      | 12.567      | 0.017  |
| 307      | 3        | Bias                | 12.335     | 12.325      | -0.01  |
| 308      | 3        | Unbiased            | 12.297     | 12.328      | 0.031  |
| 309      | 3        | Unbiased            | 12.673     | 12.604      | -0.069 |
| 310      | 3        | Unbiased            | 12.586     | 12.594      | 0.008  |
| 311      | 3        | Unbiased            | 12.305     | 12.417      | 0.112  |
| 312      | 3        | Unbiased            | 12.369     | 12.356      | -0.013 |
| 313      | 10       | Bias                | 12.291     | 12.252      | -0.039 |
| 314      | 10       | Bias                | 12.363     | 12.4        | 0.037  |
| 315      | 10       | Bias                | 12.259     | 12.251      | -0.008 |
| 316      | 10       | Bias                | 12.457     | 12.489      | 0.032  |
| 317      | 10       | Bias                | 12.628     | 12.637      | 0.009  |
| 318      | 10       | Unbiased            | 12.607     | 12.57       | -0.037 |
| 319      | 10       | Unbiased            | 12.255     | 12.192      | -0.063 |
| 320      | 10       | Unbiased            | 12.649     | 12.371      | -0.278 |
| 321      | 10       | Unbiased            | 12.31      | 12.625      | 0.315  |
| 322      | 10       | Unbiased            | 12.553     | 12.624      | 0.071  |
| 323      | 30       | Bias                | 12.42      | 12.35       | -0.07  |
| 324      | 30       | Bias                | 12.365     | 12.403      | 0.038  |
| 325      | 30       | Bias                | 12.537     | 12.55       | 0.013  |
| 326      | 30       | Bias                | 12.472     | 12.579      | 0.107  |
| 327      | 30       | Bias                | 12.295     | 12.303      | 0.008  |
| 328      | 30       | Unbiased            | 12.587     | 12.493      | -0.094 |
| 329      | 30       | Unbiased            | 12.762     | 12.697      | -0.065 |
| 330      | 30       | Unbiased            | 12.517     | 12.393      | -0.124 |
| 331      | 30       | Unbiased            | 12.313     | 12.381      | 0.068  |
| 332      | 30       | Unbiased            | 12.662     | 12.731      | 0.069  |
| 333      | 50       | Bias                | 12.342     | 12.312      | -0.03  |
| 334      | 50       | Bias                | 12.593     | 12.61       | 0.017  |
| 335      | 50       | Bias                | 12.387     | 12.394      | 0.007  |
| 336      | 50       | Bias                | 12.44      | 12.687      | 0.247  |
| 337      | 50       | Bias                | 12.236     | 12.247      | 0.011  |
| 338      | 50       | Unbiased            | 12.211     | 12.312      | 0.101  |
| 339      | 50       | Unbiased            | 12.291     | 12.367      | 0.076  |
| 340      | 50       | Unbiased            | 12.366     | 12.361      | -0.005 |
| 341      | 50       | Unbiased            | 12.542     | 12.568      | 0.026  |
| 342      | 50       | Unbiased            | 12.389     | 12.428      | 0.039  |
| 343      | 100      | Bias                | 12.491     | 12.558      | 0.067  |
| 344      | 100      | Bias                | 12.383     | 12.35       | -0.033 |
| 345      | 100      | Bias                | 12.625     | 12.593      | -0.032 |
| 346      | 100      | Bias                | 12.366     | 12.216      | -0.15  |
| 347      | 100      | Bias                | 12.272     | 12.315      | 0.043  |
| 348      | 100      | Unbiased            | 12.716     | 12.904      | 0.188  |
| 349      | 100      | Unbiased            | 12.566     | 12.475      | -0.091 |
| 350      | 100      | Unbiased            | 12.651     | 12.577      | -0.074 |
| 351      | 100      | Unbiased            | 12.713     | 12.803      | 0.09   |
| 352      | 100      | Unbiased            | 12.381     | 12.402      | 0.021  |

Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.262           | 12.404           | 12.52            | 0.13085          | 12.276            | 12.383            | 12.525            | 0.12814           | -0.081    | -0.020667 | 0.014     | 0.052444  |
| 3        | 12.297           | 12.442           | 12.673           | 0.14609          | 12.325            | 12.457            | 12.604            | 0.11792           | -0.069    | 0.0155    | 0.112     | 0.049646  |
| 10       | 12.255           | 12.437           | 12.649           | 0.16052          | 12.192            | 12.441            | 12.637            | 0.17163           | -0.278    | 0.0039    | 0.315     | 0.1456    |
| 30       | 12.295           | 12.493           | 12.762           | 0.1513           | 12.303            | 12.488            | 12.731            | 0.14752           | -0.124    | -0.005    | 0.107     | 0.078597  |
| 50       | 12.211           | 12.38            | 12.593           | 0.12211          | 12.247            | 12.429            | 12.687            | 0.14485           | -0.03     | 0.0489    | 0.247     | 0.079341  |
| 100      | 12.272           | 12.516           | 12.716           | 0.15986          | 12.216            | 12.519            | 12.904            | 0.21521           | -0.15     | 0.0029    | 0.188     | 0.099168  |



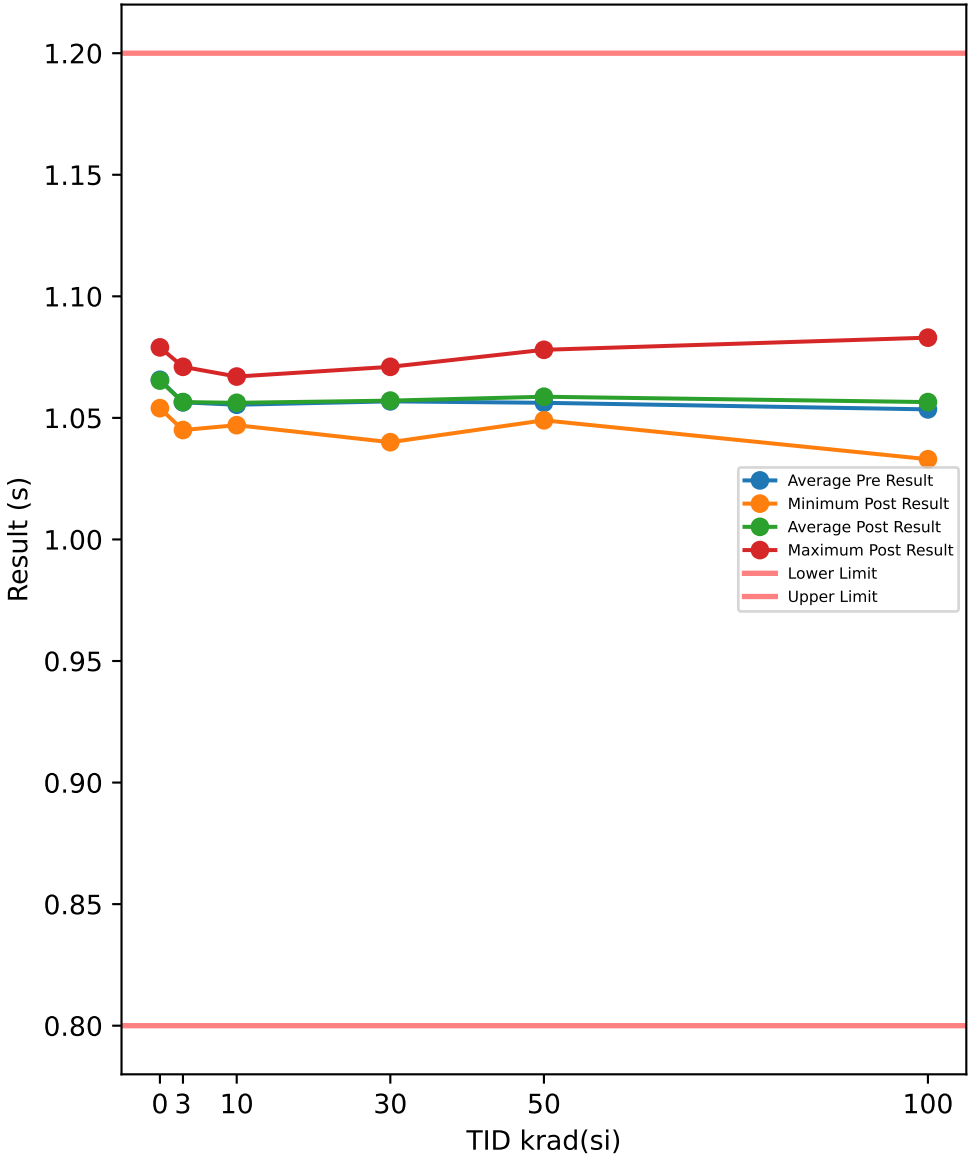


| Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms)) |          |                     |            |             |        |
|------------------------------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                                   | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                                        | 0        | Correlation         | 12.524     | 12.52       | -0.004 |
| 301                                                        | 0        | Correlation         | 12.353     | 12.352      | -0.001 |
| 302                                                        | 0        | Correlation         | 12.242     | 12.256      | 0.014  |
| 303                                                        | 3        | Bias                | 12.38      | 12.297      | -0.083 |
| 304                                                        | 3        | Bias                | 12.31      | 12.44       | 0.13   |
| 305                                                        | 3        | Bias                | 12.577     | 12.542      | -0.035 |
| 306                                                        | 3        | Bias                | 12.542     | 12.551      | 0.009  |
| 307                                                        | 3        | Bias                | 12.339     | 12.395      | 0.056  |
| 308                                                        | 3        | Unbiased            | 12.314     | 12.35       | 0.036  |
| 309                                                        | 3        | Unbiased            | 12.632     | 12.617      | -0.015 |
| 310                                                        | 3        | Unbiased            | 12.542     | 12.563      | 0.021  |
| 311                                                        | 3        | Unbiased            | 12.379     | 12.33       | -0.049 |
| 312                                                        | 3        | Unbiased            | 12.446     | 12.445      | -0.001 |
| 313                                                        | 10       | Bias                | 12.28      | 12.266      | -0.014 |
| 314                                                        | 10       | Bias                | 12.424     | 12.389      | -0.035 |
| 315                                                        | 10       | Bias                | 12.236     | 12.247      | 0.011  |
| 316                                                        | 10       | Bias                | 12.448     | 12.48       | 0.032  |
| 317                                                        | 10       | Bias                | 12.606     | 12.602      | -0.004 |
| 318                                                        | 10       | Unbiased            | 12.588     | 12.551      | -0.037 |
| 319                                                        | 10       | Unbiased            | 12.256     | 12.242      | -0.014 |
| 320                                                        | 10       | Unbiased            | 12.607     | 12.364      | -0.243 |
| 321                                                        | 10       | Unbiased            | 12.323     | 12.6        | 0.277  |
| 322                                                        | 10       | Unbiased            | 12.555     | 12.604      | 0.049  |
| 323                                                        | 30       | Bias                | 12.395     | 12.435      | 0.04   |
| 324                                                        | 30       | Bias                | 12.352     | 12.405      | 0.053  |
| 325                                                        | 30       | Bias                | 12.515     | 12.534      | 0.019  |
| 326                                                        | 30       | Bias                | 12.466     | 12.577      | 0.111  |
| 327                                                        | 30       | Bias                | 12.288     | 12.312      | 0.024  |
| 328                                                        | 30       | Unbiased            | 12.509     | 12.473      | -0.036 |
| 329                                                        | 30       | Unbiased            | 12.718     | 12.677      | -0.041 |
| 330                                                        | 30       | Unbiased            | 12.504     | 12.4        | -0.104 |
| 331                                                        | 30       | Unbiased            | 12.332     | 12.438      | 0.106  |
| 332                                                        | 30       | Unbiased            | 12.622     | 12.675      | 0.053  |
| 333                                                        | 50       | Bias                | 12.308     | 12.395      | 0.087  |
| 334                                                        | 50       | Bias                | 12.596     | 12.606      | 0.01   |
| 335                                                        | 50       | Bias                | 12.381     | 12.318      | -0.063 |
| 336                                                        | 50       | Bias                | 12.431     | 12.697      | 0.266  |
| 337                                                        | 50       | Bias                | 12.325     | 12.23       | -0.095 |
| 338                                                        | 50       | Unbiased            | 12.199     | 12.297      | 0.098  |
| 339                                                        | 50       | Unbiased            | 12.322     | 12.298      | -0.024 |
| 340                                                        | 50       | Unbiased            | 12.408     | 12.364      | -0.044 |
| 341                                                        | 50       | Unbiased            | 12.508     | 12.567      | 0.059  |
| 342                                                        | 50       | Unbiased            | 12.445     | 12.404      | -0.041 |
| 343                                                        | 100      | Bias                | 12.523     | 12.554      | 0.031  |
| 344                                                        | 100      | Bias                | 12.294     | 12.346      | 0.052  |
| 345                                                        | 100      | Bias                | 12.628     | 12.665      | 0.037  |
| 346                                                        | 100      | Bias                | 12.343     | 12.208      | -0.135 |
| 347                                                        | 100      | Bias                | 12.226     | 12.332      | 0.106  |
| 348                                                        | 100      | Unbiased            | 12.681     | 12.867      | 0.186  |
| 349                                                        | 100      | Unbiased            | 12.544     | 12.459      | -0.085 |
| 350                                                        | 100      | Unbiased            | 12.608     | 12.581      | -0.027 |
| 351                                                        | 100      | Unbiased            | 12.665     | 12.783      | 0.118  |
| 352                                                        | 100      | Unbiased            | 12.45      | 12.395      | -0.055 |

Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.242           | 12.373           | 12.524           | 0.14206          | 12.256            | 12.376            | 12.52             | 0.13363           | -0.004    | 0.003     | 0.014     | 0.0096437 |
| 3        | 12.31            | 12.446           | 12.632           | 0.11851          | 12.297            | 12.453            | 12.617            | 0.11065           | -0.083    | 0.0069    | 0.13      | 0.059739  |
| 10       | 12.236           | 12.432           | 12.607           | 0.15095          | 12.242            | 12.434            | 12.604            | 0.15183           | -0.243    | 0.0022    | 0.277     | 0.12573   |
| 30       | 12.288           | 12.47            | 12.718           | 0.13377          | 12.312            | 12.493            | 12.677            | 0.12095           | -0.104    | 0.0225    | 0.111     | 0.067034  |
| 50       | 12.199           | 12.392           | 12.596           | 0.11229          | 12.23             | 12.418            | 12.697            | 0.15399           | -0.095    | 0.0253    | 0.266     | 0.10661   |
| 100      | 12.226           | 12.496           | 12.681           | 0.16159          | 12.208            | 12.519            | 12.867            | 0.21023           | -0.135    | 0.0228    | 0.186     | 0.099329  |

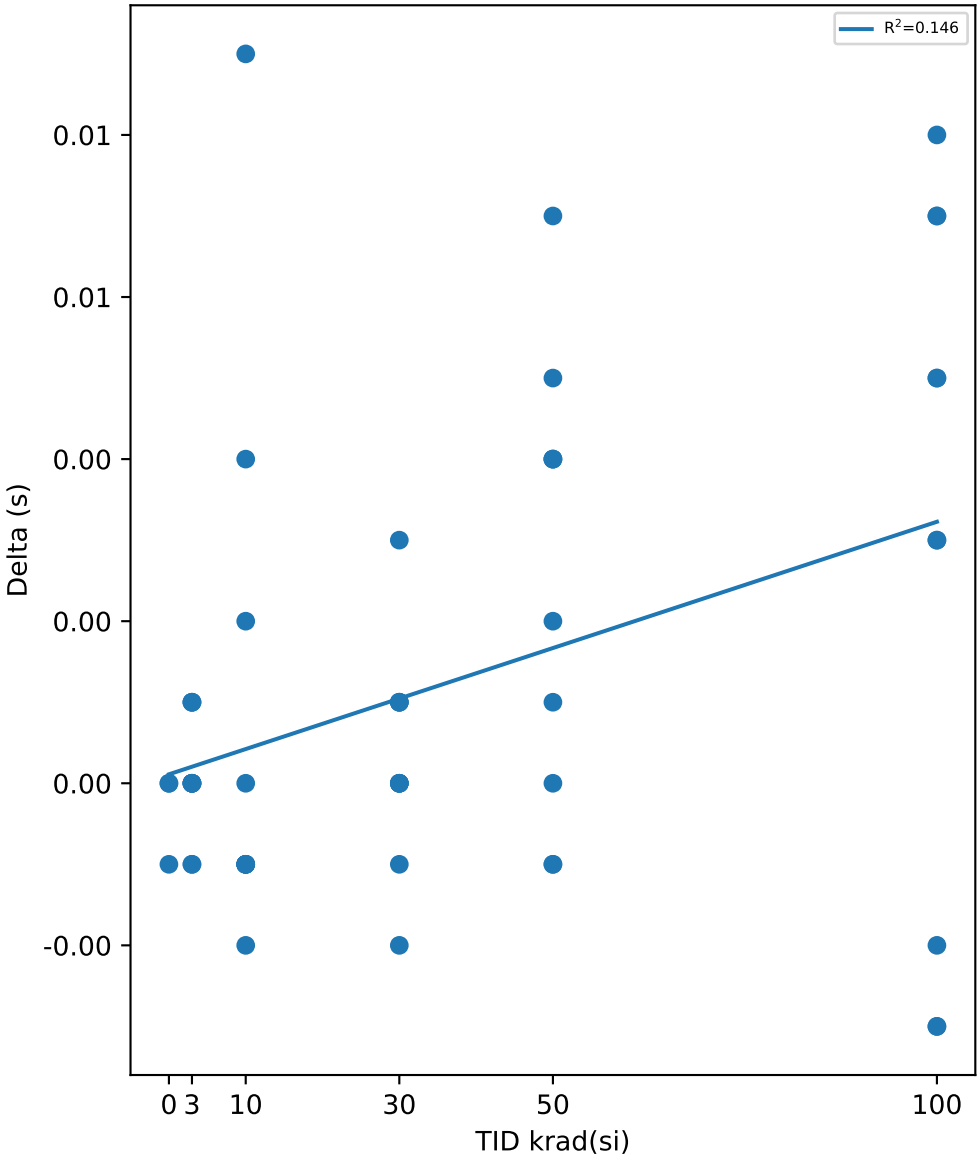
TID vs Result Stats



Test Results (Lower Limit = 0.8, Upper Limit = 1.2 (s))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 1.08       | 1.079       | -0.001 |
| 301      | 0        | Correlation         | 1.054      | 1.054       | 0      |
| 302      | 0        | Correlation         | 1.063      | 1.063       | 0      |
| 303      | 3        | Bias                | 1.07       | 1.071       | 0.001  |
| 304      | 3        | Bias                | 1.051      | 1.051       | 0      |
| 305      | 3        | Bias                | 1.046      | 1.045       | -0.001 |
| 306      | 3        | Bias                | 1.056      | 1.056       | 0      |
| 307      | 3        | Bias                | 1.054      | 1.054       | 0      |
| 308      | 3        | Unbiased            | 1.062      | 1.062       | 0      |
| 309      | 3        | Unbiased            | 1.05       | 1.051       | 0.001  |
| 310      | 3        | Unbiased            | 1.054      | 1.054       | 0      |
| 311      | 3        | Unbiased            | 1.059      | 1.058       | -0.001 |
| 312      | 3        | Unbiased            | 1.062      | 1.063       | 0.001  |
| 313      | 10       | Bias                | 1.043      | 1.047       | 0.004  |
| 314      | 10       | Bias                | 1.057      | 1.055       | -0.002 |
| 315      | 10       | Bias                | 1.061      | 1.061       | 0      |
| 316      | 10       | Bias                | 1.052      | 1.051       | -0.001 |
| 317      | 10       | Bias                | 1.052      | 1.051       | -0.001 |
| 318      | 10       | Unbiased            | 1.062      | 1.061       | -0.001 |
| 319      | 10       | Unbiased            | 1.058      | 1.06        | 0.002  |
| 320      | 10       | Unbiased            | 1.048      | 1.057       | 0.009  |
| 321      | 10       | Unbiased            | 1.053      | 1.052       | -0.001 |
| 322      | 10       | Unbiased            | 1.068      | 1.067       | -0.001 |
| 323      | 30       | Bias                | 1.044      | 1.042       | -0.002 |
| 324      | 30       | Bias                | 1.04       | 1.04        | 0      |
| 325      | 30       | Bias                | 1.072      | 1.071       | -0.001 |
| 326      | 30       | Bias                | 1.055      | 1.055       | 0      |
| 327      | 30       | Bias                | 1.048      | 1.049       | 0.001  |
| 328      | 30       | Unbiased            | 1.065      | 1.068       | 0.003  |
| 329      | 30       | Unbiased            | 1.053      | 1.053       | 0      |
| 330      | 30       | Unbiased            | 1.065      | 1.066       | 0.001  |
| 331      | 30       | Unbiased            | 1.06       | 1.061       | 0.001  |
| 332      | 30       | Unbiased            | 1.066      | 1.066       | 0      |
| 333      | 50       | Bias                | 1.06       | 1.061       | 0.001  |
| 334      | 50       | Bias                | 1.051      | 1.05        | -0.001 |
| 335      | 50       | Bias                | 1.076      | 1.078       | 0.002  |
| 336      | 50       | Bias                | 1.05       | 1.049       | -0.001 |
| 337      | 50       | Bias                | 1.049      | 1.053       | 0.004  |
| 338      | 50       | Unbiased            | 1.052      | 1.056       | 0.004  |
| 339      | 50       | Unbiased            | 1.048      | 1.052       | 0.004  |
| 340      | 50       | Unbiased            | 1.058      | 1.063       | 0.005  |
| 341      | 50       | Unbiased            | 1.047      | 1.054       | 0.007  |
| 342      | 50       | Unbiased            | 1.071      | 1.071       | 0      |
| 343      | 100      | Bias                | 1.058      | 1.055       | -0.003 |
| 344      | 100      | Bias                | 1.036      | 1.033       | -0.003 |
| 345      | 100      | Bias                | 1.046      | 1.049       | 0.003  |
| 346      | 100      | Bias                | 1.05       | 1.058       | 0.008  |
| 347      | 100      | Bias                | 1.076      | 1.083       | 0.007  |
| 348      | 100      | Unbiased            | 1.04       | 1.043       | 0.003  |
| 349      | 100      | Unbiased            | 1.049      | 1.047       | -0.002 |
| 350      | 100      | Unbiased            | 1.065      | 1.07        | 0.005  |
| 351      | 100      | Unbiased            | 1.052      | 1.059       | 0.007  |
| 352      | 100      | Unbiased            | 1.063      | 1.068       | 0.005  |

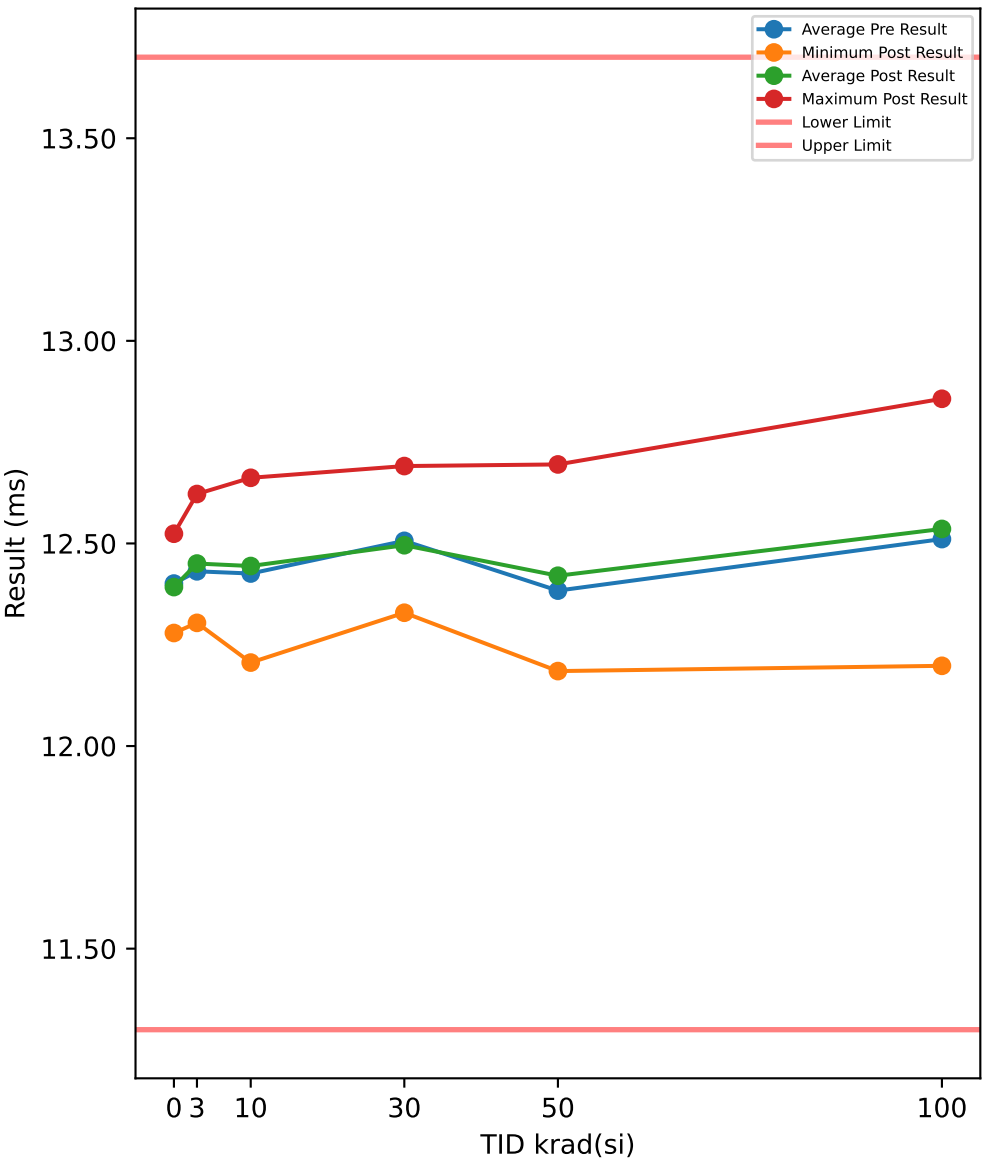
TID vs Post - Pre Exposure Delta



Test Statistics (s)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|------------|
| 0        | 1.054            | 1.0657           | 1.08             | 0.013204         | 1.054             | 1.0653            | 1.079             | 0.012662          | -0.001    | -0.00033333 | 0         | 0.00057735 |
| 3        | 1.046            | 1.0564           | 1.07             | 0.0070269        | 1.045             | 1.0565            | 1.071             | 0.0073824         | -0.001    | 0.0001      | 0.001     | 0.00073786 |
| 10       | 1.043            | 1.0554           | 1.068            | 0.007306         | 1.047             | 1.0562            | 1.067             | 0.0061065         | -0.002    | 0.0008      | 0.009     | 0.0033928  |
| 30       | 1.04             | 1.0568           | 1.072            | 0.010549         | 1.04              | 1.0571            | 1.071             | 0.01102           | -0.002    | 0.0003      | 0.003     | 0.0013375  |
| 50       | 1.047            | 1.0562           | 1.076            | 0.010086         | 1.049             | 1.0587            | 1.078             | 0.009569          | -0.001    | 0.0025      | 0.007     | 0.0027183  |
| 100      | 1.036            | 1.0535           | 1.076            | 0.01215          | 1.033             | 1.0565            | 1.083             | 0.014562          | -0.003    | 0.003       | 0.008     | 0.0042426  |

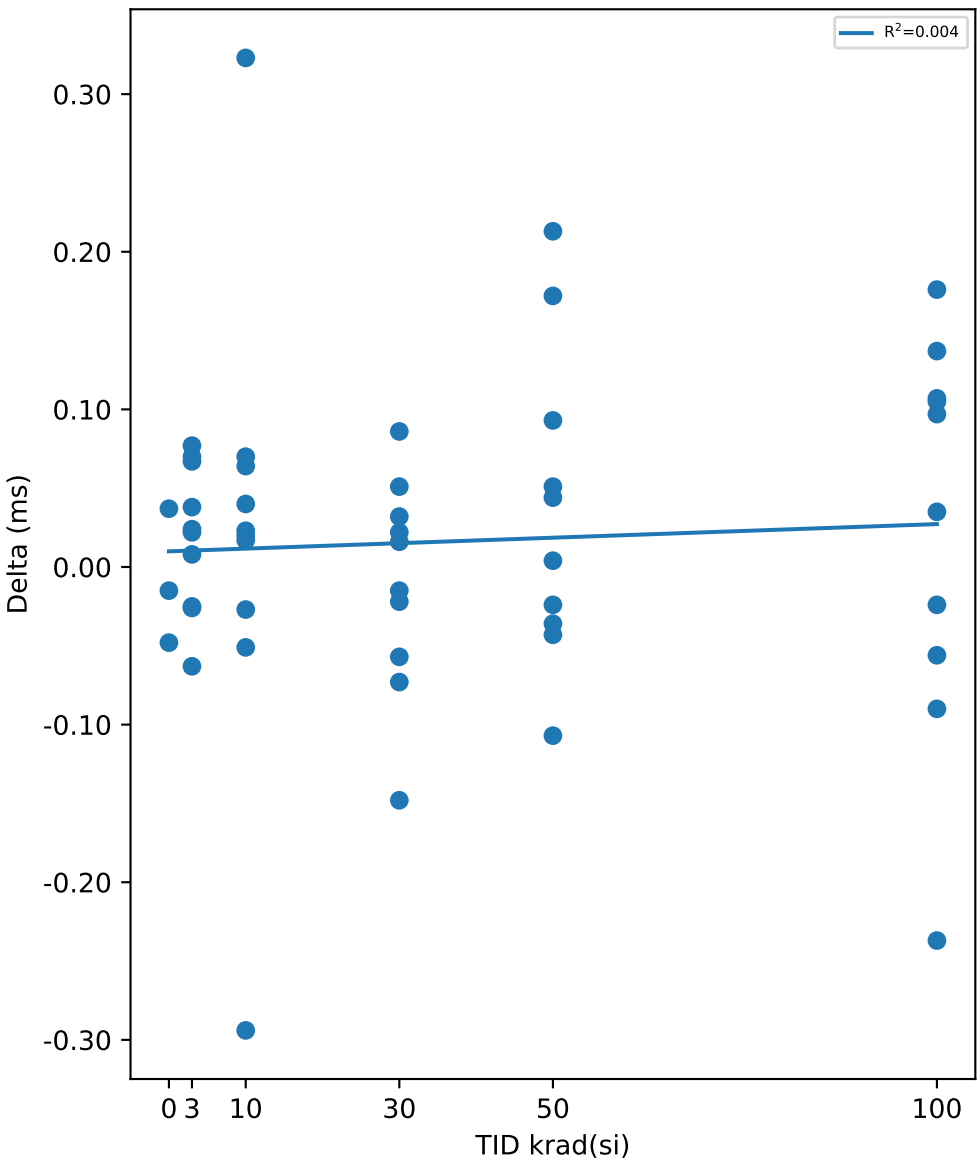
TID vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 12.539     | 12.524      | -0.015 |
| 301      | 0        | Correlation         | 12.422     | 12.374      | -0.048 |
| 302      | 0        | Correlation         | 12.242     | 12.279      | 0.037  |
| 303      | 3        | Bias                | 12.3       | 12.338      | 0.038  |
| 304      | 3        | Bias                | 12.389     | 12.364      | -0.025 |
| 305      | 3        | Bias                | 12.553     | 12.62       | 0.067  |
| 306      | 3        | Bias                | 12.535     | 12.605      | 0.07   |
| 307      | 3        | Bias                | 12.348     | 12.372      | 0.024  |
| 308      | 3        | Unbiased            | 12.227     | 12.304      | 0.077  |
| 309      | 3        | Unbiased            | 12.685     | 12.622      | -0.063 |
| 310      | 3        | Unbiased            | 12.578     | 12.552      | -0.026 |
| 311      | 3        | Unbiased            | 12.335     | 12.343      | 0.008  |
| 312      | 3        | Unbiased            | 12.362     | 12.384      | 0.022  |
| 313      | 10       | Bias                | 12.22      | 12.26       | 0.04   |
| 314      | 10       | Bias                | 12.393     | 12.366      | -0.027 |
| 315      | 10       | Bias                | 12.183     | 12.206      | 0.023  |
| 316      | 10       | Bias                | 12.487     | 12.551      | 0.064  |
| 317      | 10       | Bias                | 12.645     | 12.662      | 0.017  |
| 318      | 10       | Unbiased            | 12.637     | 12.586      | -0.051 |
| 319      | 10       | Unbiased            | 12.197     | 12.217      | 0.02   |
| 320      | 10       | Unbiased            | 12.605     | 12.311      | -0.294 |
| 321      | 10       | Unbiased            | 12.321     | 12.644      | 0.323  |
| 322      | 10       | Unbiased            | 12.57      | 12.64       | 0.07   |
| 323      | 30       | Bias                | 12.454     | 12.432      | -0.022 |
| 324      | 30       | Bias                | 12.422     | 12.407      | -0.015 |
| 325      | 30       | Bias                | 12.558     | 12.574      | 0.016  |
| 326      | 30       | Bias                | 12.502     | 12.553      | 0.051  |
| 327      | 30       | Bias                | 12.243     | 12.329      | 0.086  |
| 328      | 30       | Unbiased            | 12.544     | 12.487      | -0.057 |
| 329      | 30       | Unbiased            | 12.754     | 12.681      | -0.073 |
| 330      | 30       | Unbiased            | 12.582     | 12.434      | -0.148 |
| 331      | 30       | Unbiased            | 12.346     | 12.368      | 0.022  |
| 332      | 30       | Unbiased            | 12.659     | 12.691      | 0.032  |
| 333      | 50       | Bias                | 12.296     | 12.389      | 0.093  |
| 334      | 50       | Bias                | 12.631     | 12.595      | -0.036 |
| 335      | 50       | Bias                | 12.367     | 12.324      | -0.043 |
| 336      | 50       | Bias                | 12.482     | 12.695      | 0.213  |
| 337      | 50       | Bias                | 12.292     | 12.185      | -0.107 |
| 338      | 50       | Unbiased            | 12.141     | 12.313      | 0.172  |
| 339      | 50       | Unbiased            | 12.254     | 12.305      | 0.051  |
| 340      | 50       | Unbiased            | 12.396     | 12.372      | -0.024 |
| 341      | 50       | Unbiased            | 12.568     | 12.572      | 0.004  |
| 342      | 50       | Unbiased            | 12.409     | 12.453      | 0.044  |
| 343      | 100      | Bias                | 12.448     | 12.585      | 0.137  |
| 344      | 100      | Bias                | 12.385     | 12.295      | -0.09  |
| 345      | 100      | Bias                | 12.692     | 12.636      | -0.056 |
| 346      | 100      | Bias                | 12.435     | 12.198      | -0.237 |
| 347      | 100      | Bias                | 12.222     | 12.319      | 0.097  |
| 348      | 100      | Unbiased            | 12.681     | 12.857      | 0.176  |
| 349      | 100      | Unbiased            | 12.564     | 12.54       | -0.024 |
| 350      | 100      | Unbiased            | 12.604     | 12.639      | 0.035  |
| 351      | 100      | Unbiased            | 12.709     | 12.816      | 0.107  |
| 352      | 100      | Unbiased            | 12.368     | 12.473      | 0.105  |

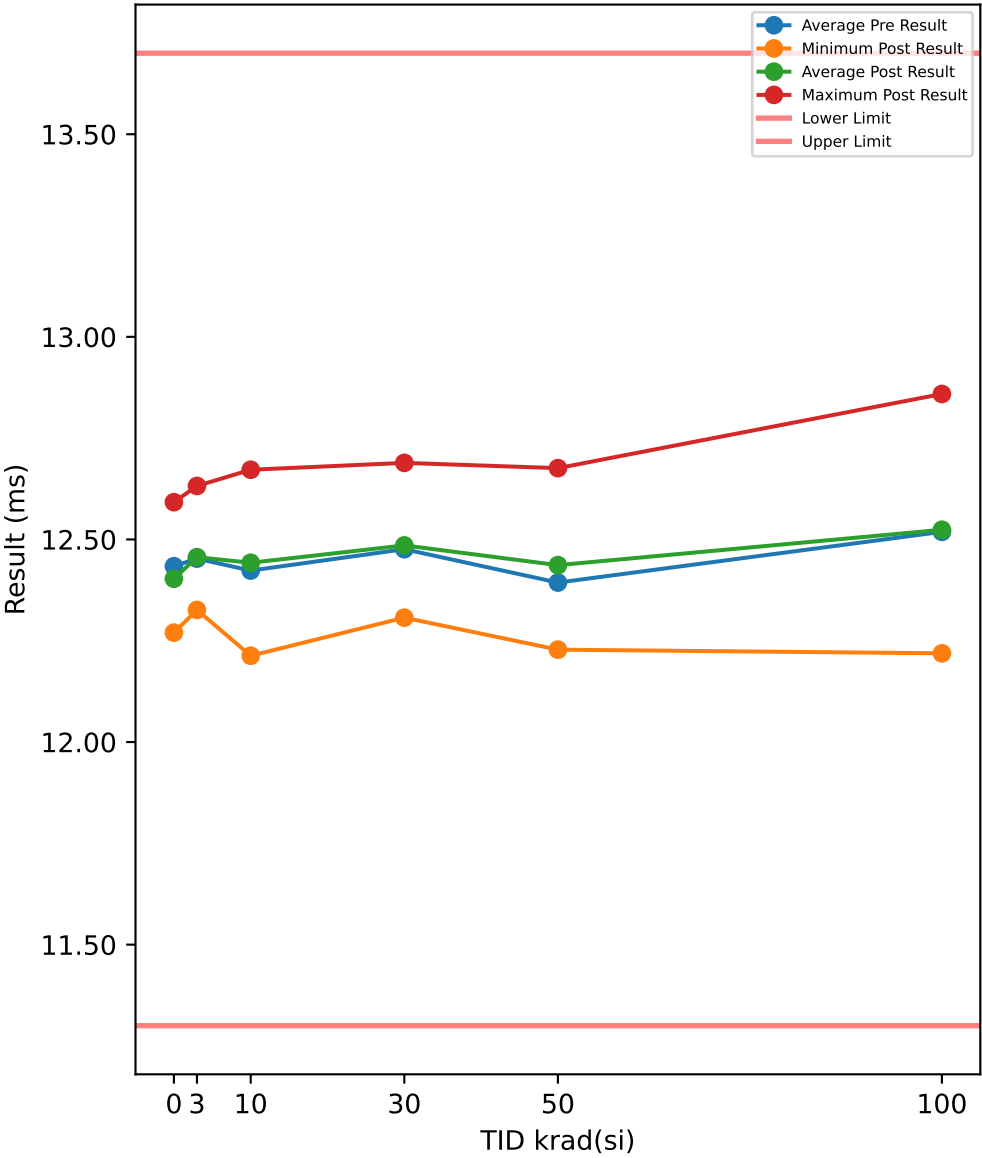
TID vs Post - Pre Exposure Delta



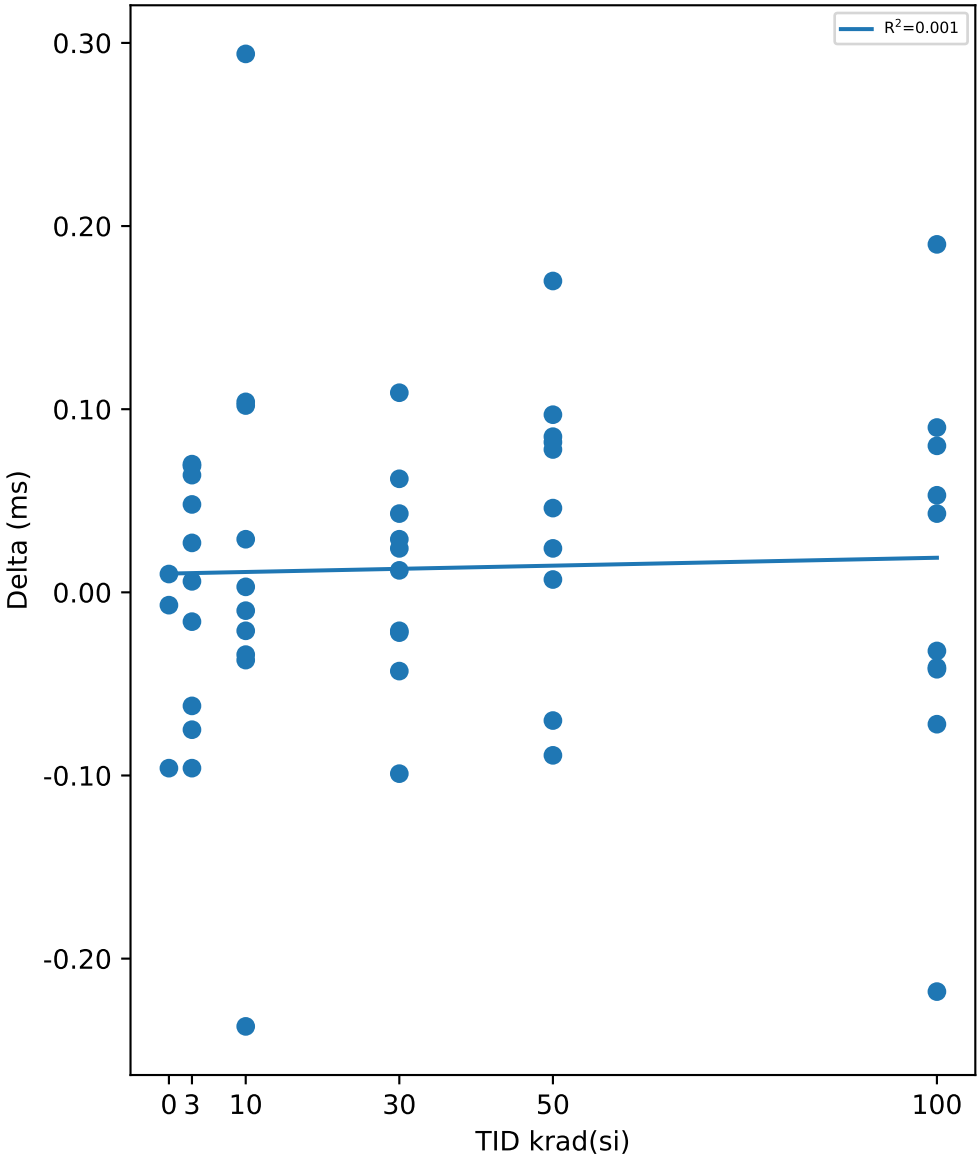
Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 12.242           | 12.401           | 12.539           | 0.14961          | 12.279            | 12.392            | 12.524            | 0.12352           | -0.048    | -0.0086667 | 0.037     | 0.042852  |
| 3        | 12.227           | 12.431           | 12.685           | 0.14653          | 12.304            | 12.45             | 12.622            | 0.13168           | -0.063    | 0.0192     | 0.077     | 0.046511  |
| 10       | 12.183           | 12.426           | 12.645           | 0.18709          | 12.206            | 12.444            | 12.662            | 0.18955           | -0.294    | 0.0185     | 0.323     | 0.14999   |
| 30       | 12.243           | 12.506           | 12.754           | 0.14884          | 12.329            | 12.496            | 12.691            | 0.12552           | -0.148    | -0.0108    | 0.086     | 0.068138  |
| 50       | 12.141           | 12.384           | 12.631           | 0.1482           | 12.185            | 12.42             | 12.695            | 0.15735           | -0.107    | 0.0367     | 0.213     | 0.09992   |
| 100      | 12.222           | 12.511           | 12.709           | 0.16395          | 12.198            | 12.536            | 12.857            | 0.21803           | -0.237    | 0.025      | 0.176     | 0.12675   |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



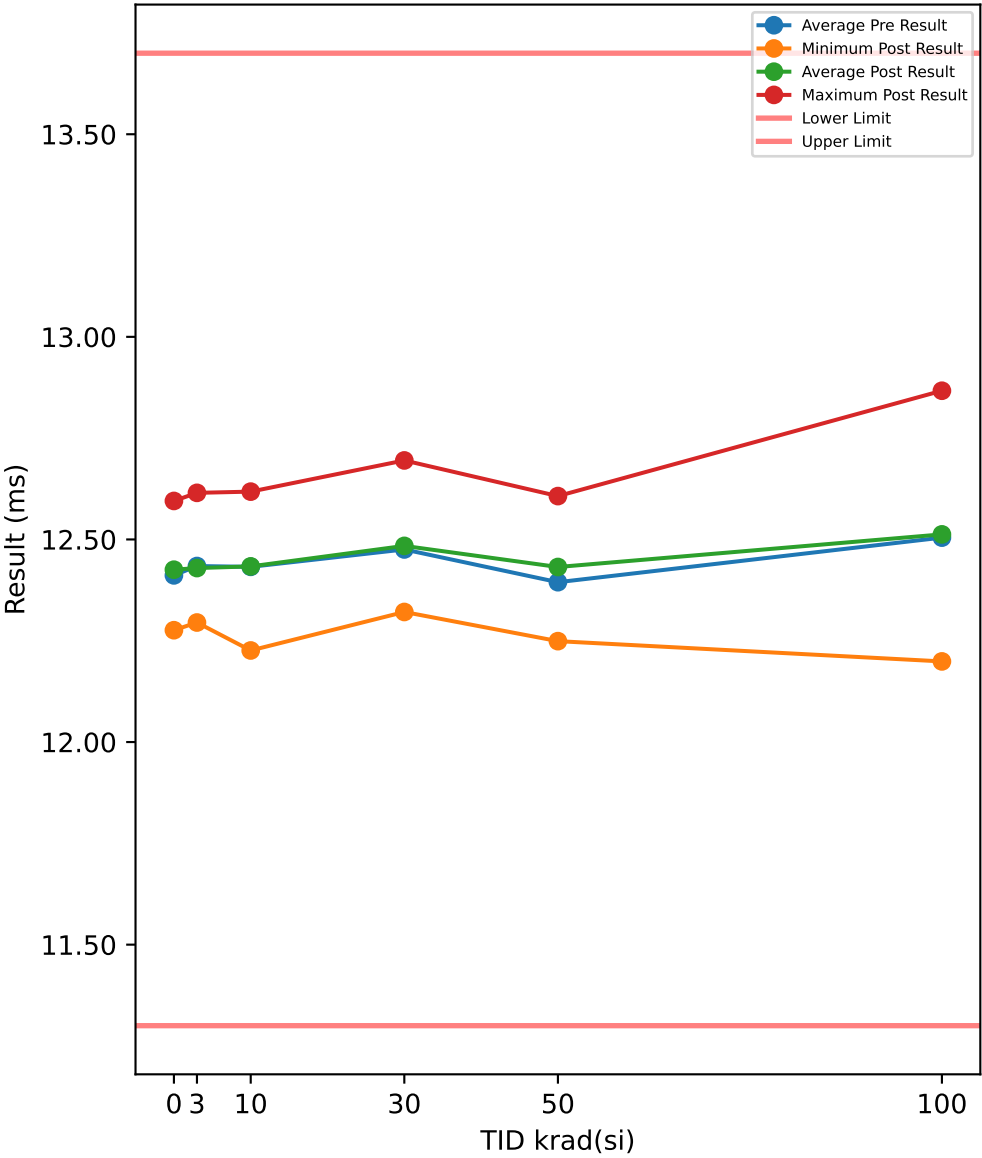
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 12.599     | 12.592      | -0.007 |
| 301      | 0        | Correlation         | 12.443     | 12.347      | -0.096 |
| 302      | 0        | Correlation         | 12.26      | 12.27       | 0.01   |
| 303      | 3        | Bias                | 12.339     | 12.387      | 0.048  |
| 304      | 3        | Bias                | 12.398     | 12.425      | 0.027  |
| 305      | 3        | Bias                | 12.635     | 12.539      | -0.096 |
| 306      | 3        | Bias                | 12.539     | 12.545      | 0.006  |
| 307      | 3        | Bias                | 12.334     | 12.398      | 0.064  |
| 308      | 3        | Unbiased            | 12.276     | 12.345      | 0.069  |
| 309      | 3        | Unbiased            | 12.628     | 12.612      | -0.016 |
| 310      | 3        | Unbiased            | 12.562     | 12.632      | 0.07   |
| 311      | 3        | Unbiased            | 12.388     | 12.326      | -0.062 |
| 312      | 3        | Unbiased            | 12.428     | 12.353      | -0.075 |
| 313      | 10       | Bias                | 12.284     | 12.263      | -0.021 |
| 314      | 10       | Bias                | 12.346     | 12.375      | 0.029  |
| 315      | 10       | Bias                | 12.257     | 12.26       | 0.003  |
| 316      | 10       | Bias                | 12.44      | 12.544      | 0.104  |
| 317      | 10       | Bias                | 12.595     | 12.585      | -0.01  |
| 318      | 10       | Unbiased            | 12.565     | 12.531      | -0.034 |
| 319      | 10       | Unbiased            | 12.25      | 12.213      | -0.037 |
| 320      | 10       | Unbiased            | 12.607     | 12.37       | -0.237 |
| 321      | 10       | Unbiased            | 12.318     | 12.612      | 0.294  |
| 322      | 10       | Unbiased            | 12.57      | 12.672      | 0.102  |
| 323      | 30       | Bias                | 12.48      | 12.437      | -0.043 |
| 324      | 30       | Bias                | 12.345     | 12.407      | 0.062  |
| 325      | 30       | Bias                | 12.512     | 12.536      | 0.024  |
| 326      | 30       | Bias                | 12.46      | 12.569      | 0.109  |
| 327      | 30       | Bias                | 12.264     | 12.307      | 0.043  |
| 328      | 30       | Unbiased            | 12.501     | 12.48       | -0.021 |
| 329      | 30       | Unbiased            | 12.711     | 12.689      | -0.022 |
| 330      | 30       | Unbiased            | 12.495     | 12.396      | -0.099 |
| 331      | 30       | Unbiased            | 12.35      | 12.362      | 0.012  |
| 332      | 30       | Unbiased            | 12.641     | 12.67       | 0.029  |
| 333      | 50       | Bias                | 12.31      | 12.395      | 0.085  |
| 334      | 50       | Bias                | 12.579     | 12.676      | 0.097  |
| 335      | 50       | Bias                | 12.385     | 12.409      | 0.024  |
| 336      | 50       | Bias                | 12.434     | 12.604      | 0.17   |
| 337      | 50       | Bias                | 12.317     | 12.228      | -0.089 |
| 338      | 50       | Unbiased            | 12.209     | 12.287      | 0.078  |
| 339      | 50       | Unbiased            | 12.305     | 12.387      | 0.082  |
| 340      | 50       | Unbiased            | 12.428     | 12.358      | -0.07  |
| 341      | 50       | Unbiased            | 12.513     | 12.559      | 0.046  |
| 342      | 50       | Unbiased            | 12.456     | 12.463      | 0.007  |
| 343      | 100      | Bias                | 12.454     | 12.534      | 0.08   |
| 344      | 100      | Bias                | 12.387     | 12.345      | -0.042 |
| 345      | 100      | Bias                | 12.638     | 12.597      | -0.041 |
| 346      | 100      | Bias                | 12.437     | 12.219      | -0.218 |
| 347      | 100      | Bias                | 12.239     | 12.329      | 0.09   |
| 348      | 100      | Unbiased            | 12.669     | 12.859      | 0.19   |
| 349      | 100      | Unbiased            | 12.617     | 12.545      | -0.072 |
| 350      | 100      | Unbiased            | 12.597     | 12.65       | 0.053  |
| 351      | 100      | Unbiased            | 12.724     | 12.767      | 0.043  |
| 352      | 100      | Unbiased            | 12.426     | 12.394      | -0.032 |

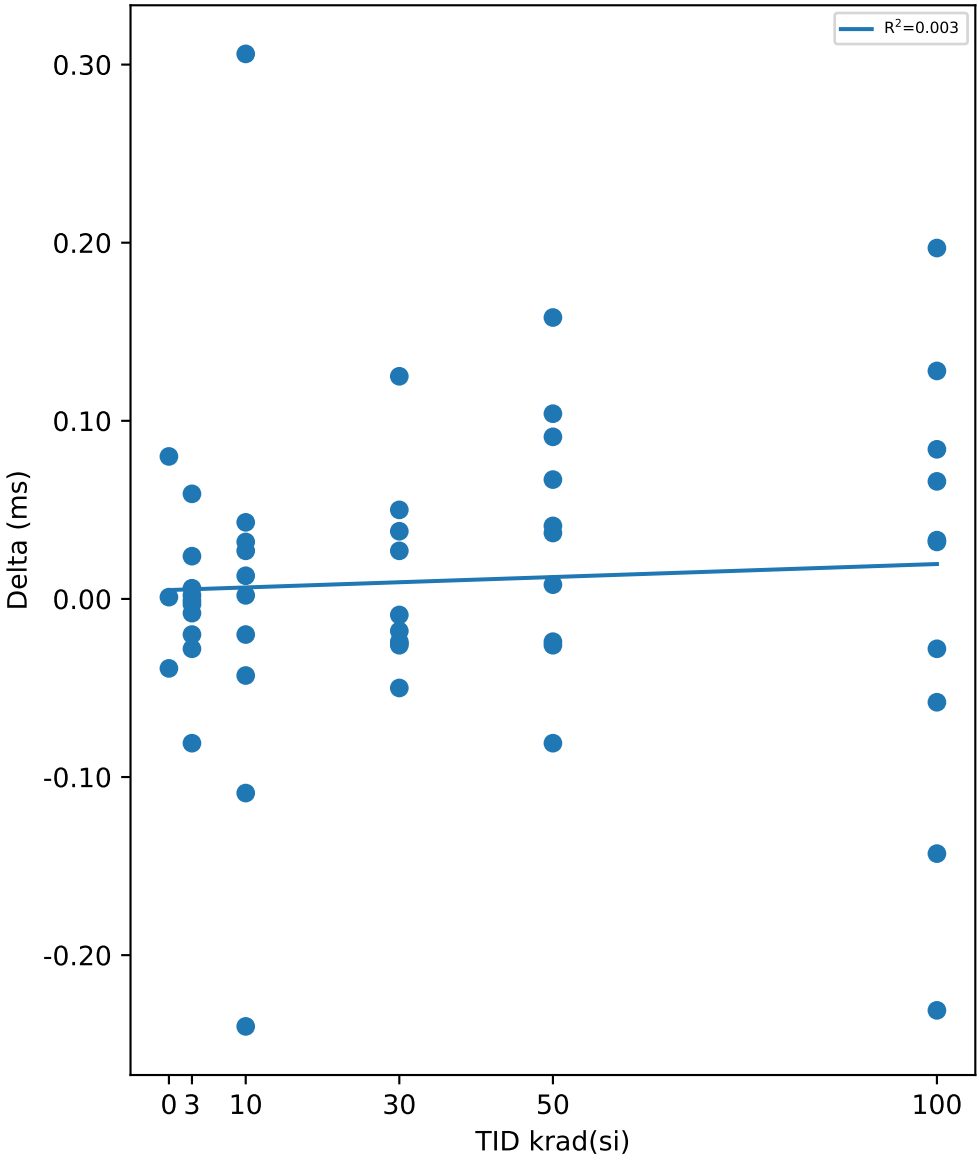
Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.26            | 12.434           | 12.599           | 0.16968          | 12.27             | 12.403            | 12.592            | 0.16815           | -0.096    | -0.031    | 0.01      | 0.05693   |
| 3        | 12.276           | 12.453           | 12.635           | 0.12883          | 12.326            | 12.456            | 12.632            | 0.11501           | -0.096    | 0.0035    | 0.07      | 0.062933  |
| 10       | 12.25            | 12.423           | 12.607           | 0.1488           | 12.213            | 12.442            | 12.672            | 0.16595           | -0.237    | 0.0193    | 0.294     | 0.135     |
| 30       | 12.264           | 12.476           | 12.711           | 0.13457          | 12.307            | 12.485            | 12.689            | 0.12851           | -0.099    | 0.0094    | 0.109     | 0.058525  |
| 50       | 12.209           | 12.394           | 12.579           | 0.11065          | 12.228            | 12.437            | 12.676            | 0.14065           | -0.089    | 0.043     | 0.17      | 0.078467  |
| 100      | 12.239           | 12.519           | 12.724           | 0.15268          | 12.219            | 12.524            | 12.859            | 0.20358           | -0.218    | 0.0051    | 0.19      | 0.11164   |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

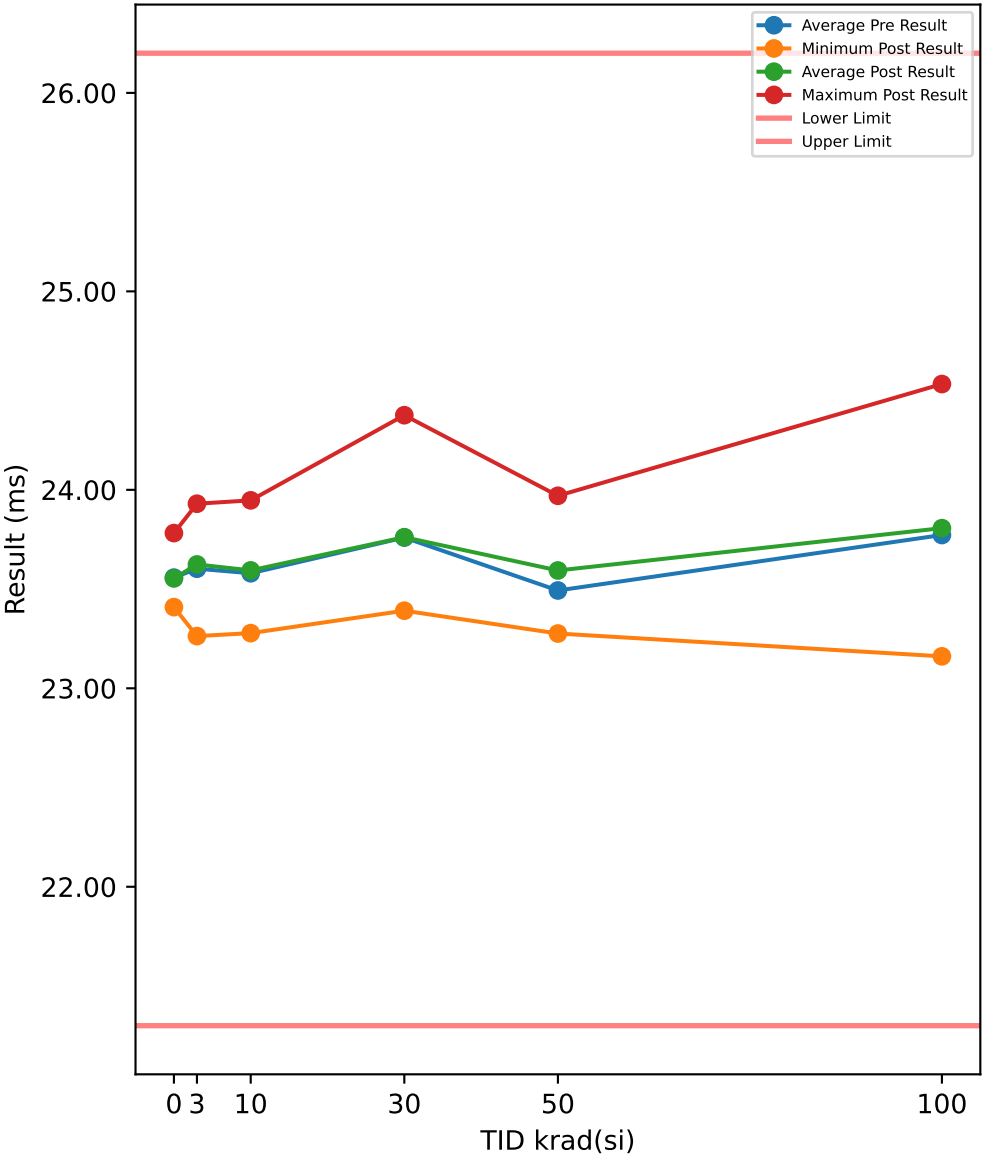
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 12.515     | 12.595      | 0.08   |
| 301      | 0        | Correlation         | 12.444     | 12.405      | -0.039 |
| 302      | 0        | Correlation         | 12.275     | 12.276      | 0.001  |
| 303      | 3        | Bias                | 12.376     | 12.295      | -0.081 |
| 304      | 3        | Bias                | 12.371     | 12.343      | -0.028 |
| 305      | 3        | Bias                | 12.565     | 12.557      | -0.008 |
| 306      | 3        | Bias                | 12.545     | 12.547      | 0.002  |
| 307      | 3        | Bias                | 12.333     | 12.313      | -0.02  |
| 308      | 3        | Unbiased            | 12.316     | 12.322      | 0.006  |
| 309      | 3        | Unbiased            | 12.616     | 12.615      | -0.001 |
| 310      | 3        | Unbiased            | 12.548     | 12.545      | -0.003 |
| 311      | 3        | Unbiased            | 12.307     | 12.331      | 0.024  |
| 312      | 3        | Unbiased            | 12.367     | 12.426      | 0.059  |
| 313      | 10       | Bias                | 12.291     | 12.248      | -0.043 |
| 314      | 10       | Bias                | 12.417     | 12.308      | -0.109 |
| 315      | 10       | Bias                | 12.264     | 12.266      | 0.002  |
| 316      | 10       | Bias                | 12.448     | 12.48       | 0.032  |
| 317      | 10       | Bias                | 12.582     | 12.595      | 0.013  |
| 318      | 10       | Unbiased            | 12.572     | 12.615      | 0.043  |
| 319      | 10       | Unbiased            | 12.246     | 12.226      | -0.02  |
| 320      | 10       | Unbiased            | 12.614     | 12.374      | -0.24  |
| 321      | 10       | Unbiased            | 12.312     | 12.618      | 0.306  |
| 322      | 10       | Unbiased            | 12.578     | 12.605      | 0.027  |
| 323      | 30       | Bias                | 12.402     | 12.352      | -0.05  |
| 324      | 30       | Bias                | 12.352     | 12.327      | -0.025 |
| 325      | 30       | Bias                | 12.502     | 12.54       | 0.038  |
| 326      | 30       | Bias                | 12.452     | 12.577      | 0.125  |
| 327      | 30       | Bias                | 12.294     | 12.321      | 0.027  |
| 328      | 30       | Unbiased            | 12.512     | 12.486      | -0.026 |
| 329      | 30       | Unbiased            | 12.719     | 12.695      | -0.024 |
| 330      | 30       | Unbiased            | 12.5       | 12.482      | -0.018 |
| 331      | 30       | Unbiased            | 12.376     | 12.367      | -0.009 |
| 332      | 30       | Unbiased            | 12.644     | 12.694      | 0.05   |
| 333      | 50       | Bias                | 12.341     | 12.378      | 0.037  |
| 334      | 50       | Bias                | 12.599     | 12.607      | 0.008  |
| 335      | 50       | Bias                | 12.411     | 12.385      | -0.026 |
| 336      | 50       | Bias                | 12.444     | 12.602      | 0.158  |
| 337      | 50       | Bias                | 12.33      | 12.249      | -0.081 |
| 338      | 50       | Unbiased            | 12.217     | 12.321      | 0.104  |
| 339      | 50       | Unbiased            | 12.325     | 12.366      | 0.041  |
| 340      | 50       | Unbiased            | 12.344     | 12.435      | 0.091  |
| 341      | 50       | Unbiased            | 12.502     | 12.569      | 0.067  |
| 342      | 50       | Unbiased            | 12.432     | 12.408      | -0.024 |
| 343      | 100      | Bias                | 12.521     | 12.554      | 0.033  |
| 344      | 100      | Bias                | 12.293     | 12.377      | 0.084  |
| 345      | 100      | Bias                | 12.643     | 12.585      | -0.058 |
| 346      | 100      | Bias                | 12.43      | 12.199      | -0.231 |
| 347      | 100      | Bias                | 12.267     | 12.333      | 0.066  |
| 348      | 100      | Unbiased            | 12.67      | 12.867      | 0.197  |
| 349      | 100      | Unbiased            | 12.612     | 12.469      | -0.143 |
| 350      | 100      | Unbiased            | 12.609     | 12.581      | -0.028 |
| 351      | 100      | Unbiased            | 12.641     | 12.769      | 0.128  |
| 352      | 100      | Unbiased            | 12.359     | 12.391      | 0.032  |

Test Statistics (ms)

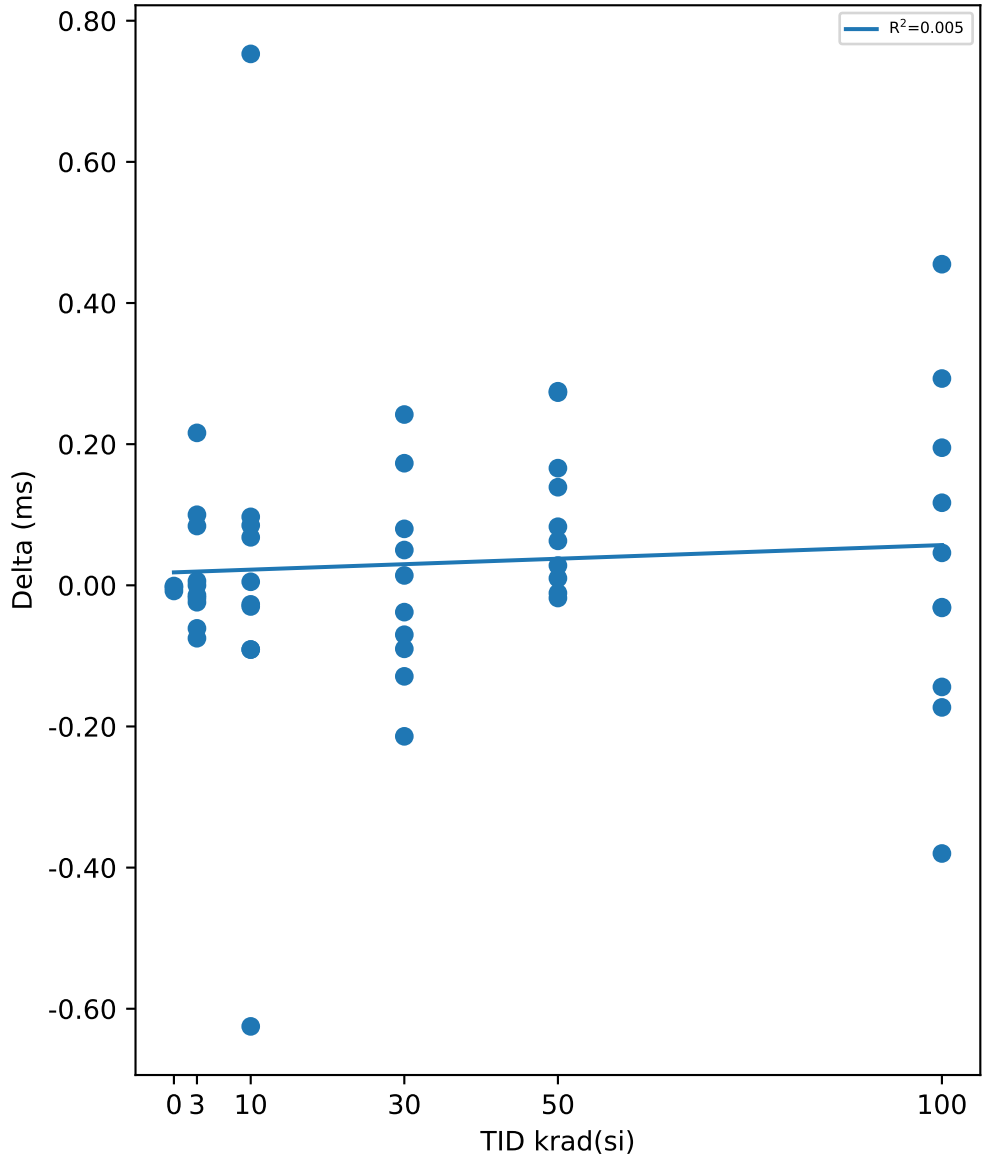
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.275           | 12.411           | 12.515           | 0.12329          | 12.276            | 12.425            | 12.595            | 0.16047           | -0.039    | 0.014     | 0.08      | 0.060556  |
| 3        | 12.307           | 12.434           | 12.616           | 0.11911          | 12.295            | 12.429            | 12.615            | 0.12393           | -0.081    | -0.005    | 0.059     | 0.036003  |
| 10       | 12.246           | 12.432           | 12.614           | 0.14686          | 12.226            | 12.434            | 12.618            | 0.16648           | -0.24     | 0.0011    | 0.306     | 0.13708   |
| 30       | 12.294           | 12.475           | 12.719           | 0.13097          | 12.321            | 12.484            | 12.695            | 0.1425            | -0.05     | 0.0088    | 0.125     | 0.051968  |
| 50       | 12.217           | 12.394           | 12.599           | 0.10719          | 12.249            | 12.432            | 12.607            | 0.1221            | -0.081    | 0.0375    | 0.158     | 0.071036  |
| 100      | 12.267           | 12.505           | 12.67            | 0.15485          | 12.199            | 12.512            | 12.867            | 0.20239           | -0.231    | 0.008     | 0.197     | 0.12738   |



TID vs Result Stats



TID vs Post - Pre Exposure Delta

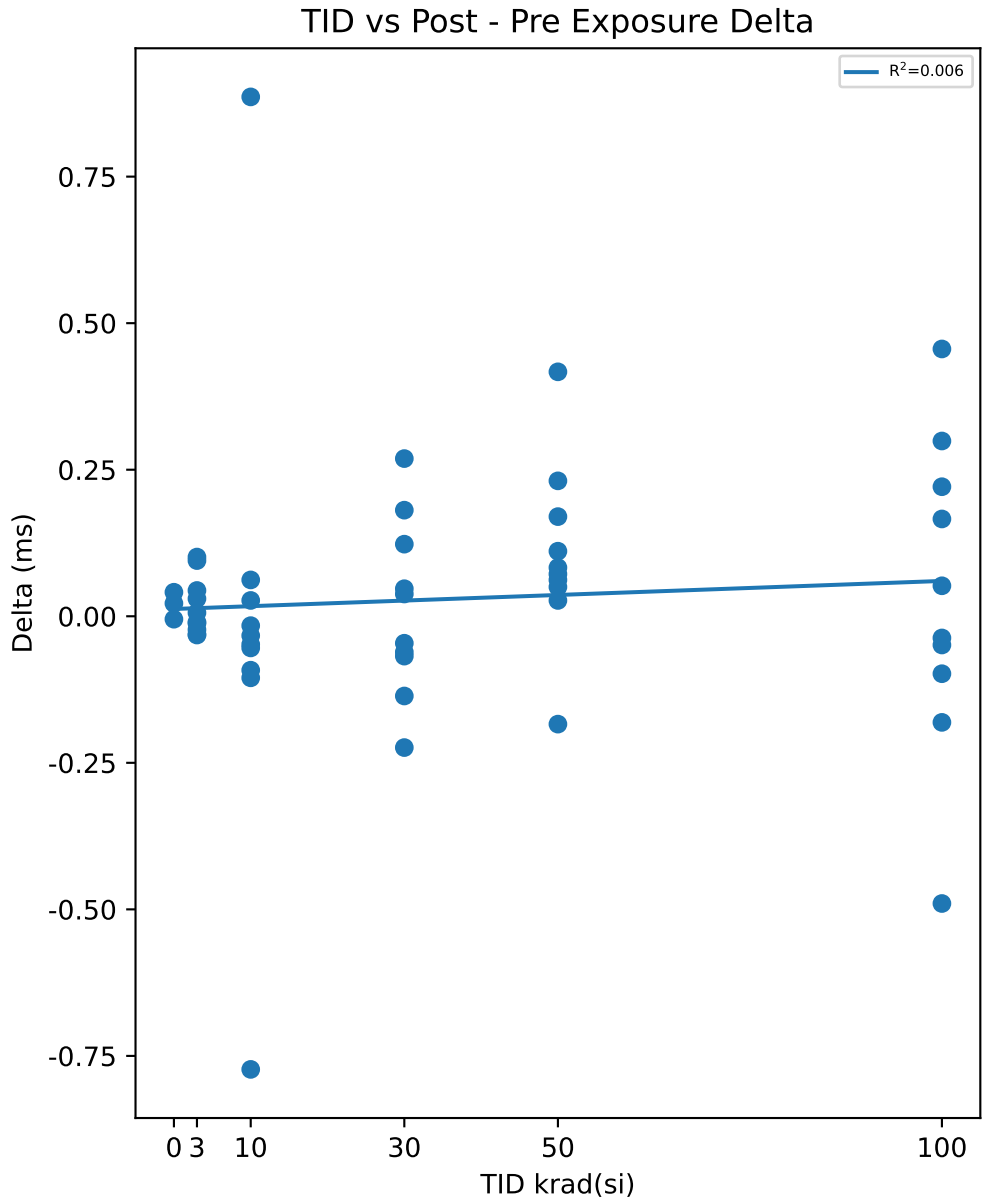
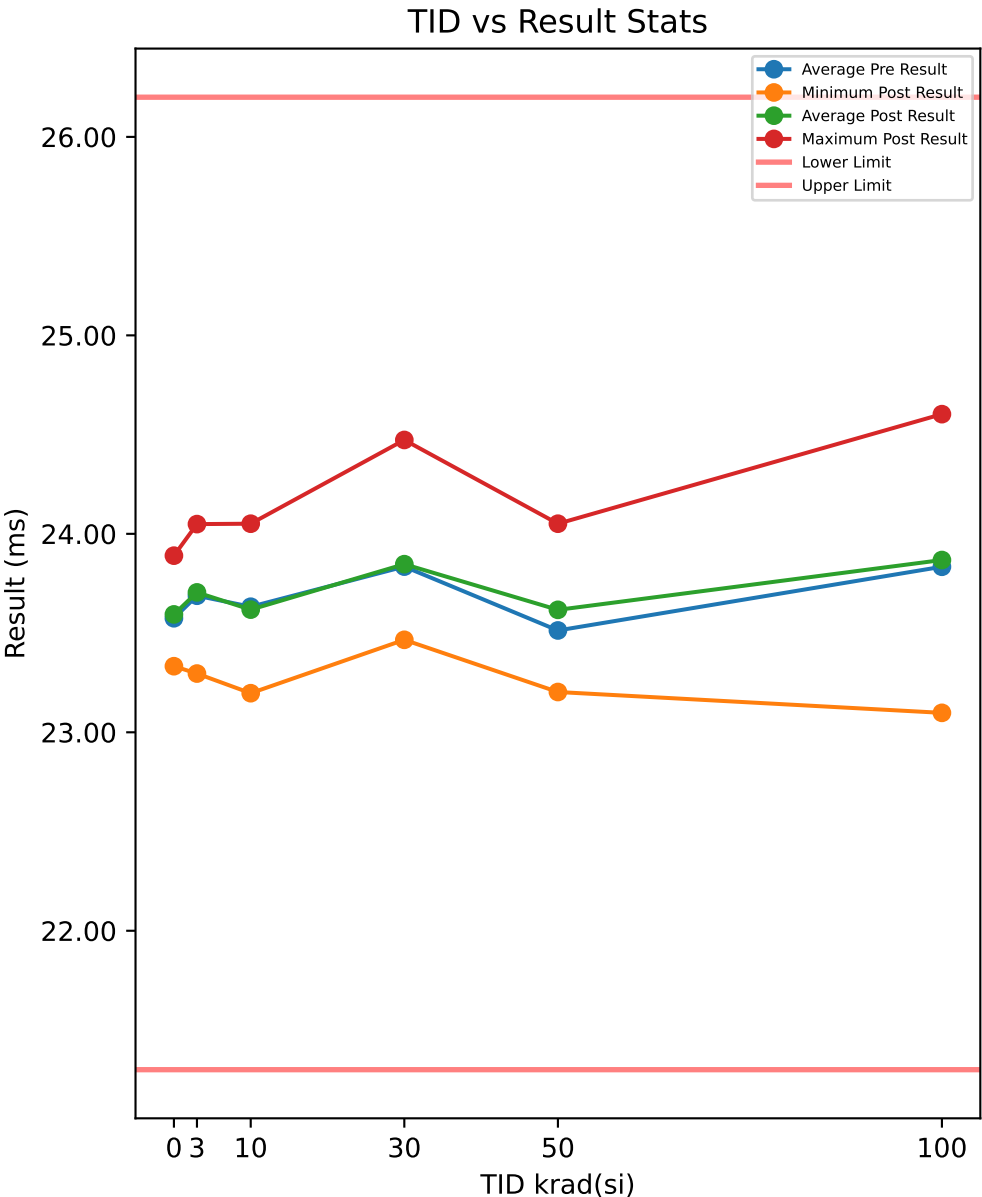


Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 23.79      | 23.782      | -0.008 |
| 301      | 0        | Correlation         | 23.473     | 23.47       | -0.003 |
| 302      | 0        | Correlation         | 23.41      | 23.409      | -0.001 |
| 303      | 3        | Bias                | 23.474     | 23.48       | 0.006  |
| 304      | 3        | Bias                | 23.56      | 23.66       | 0.1    |
| 305      | 3        | Bias                | 23.858     | 23.834      | -0.024 |
| 306      | 3        | Bias                | 23.827     | 23.827      | 0      |
| 307      | 3        | Bias                | 23.324     | 23.263      | -0.061 |
| 308      | 3        | Unbiased            | 23.123     | 23.339      | 0.216  |
| 309      | 3        | Unbiased            | 24.005     | 23.93       | -0.075 |
| 310      | 3        | Unbiased            | 23.861     | 23.843      | -0.018 |
| 311      | 3        | Unbiased            | 23.47      | 23.554      | 0.084  |
| 312      | 3        | Unbiased            | 23.524     | 23.51       | -0.014 |
| 313      | 10       | Bias                | 23.213     | 23.31       | 0.097  |
| 314      | 10       | Bias                | 23.555     | 23.464      | -0.091 |
| 315      | 10       | Bias                | 23.312     | 23.285      | -0.027 |
| 316      | 10       | Bias                | 23.636     | 23.704      | 0.068  |
| 317      | 10       | Bias                | 23.927     | 23.932      | 0.005  |
| 318      | 10       | Unbiased            | 23.892     | 23.801      | -0.091 |
| 319      | 10       | Unbiased            | 23.308     | 23.278      | -0.03  |
| 320      | 10       | Unbiased            | 23.934     | 23.309      | -0.625 |
| 321      | 10       | Unbiased            | 23.194     | 23.947      | 0.753  |
| 322      | 10       | Unbiased            | 23.826     | 23.911      | 0.085  |
| 323      | 30       | Bias                | 23.722     | 23.593      | -0.129 |
| 324      | 30       | Bias                | 23.557     | 23.519      | -0.038 |
| 325      | 30       | Bias                | 23.806     | 23.856      | 0.05   |
| 326      | 30       | Bias                | 23.67      | 23.912      | 0.242  |
| 327      | 30       | Bias                | 23.311     | 23.391      | 0.08   |
| 328      | 30       | Unbiased            | 23.706     | 23.636      | -0.07  |
| 329      | 30       | Unbiased            | 24.466     | 24.376      | -0.09  |
| 330      | 30       | Unbiased            | 23.922     | 23.708      | -0.214 |
| 331      | 30       | Unbiased            | 23.403     | 23.417      | 0.014  |
| 332      | 30       | Unbiased            | 24.032     | 24.205      | 0.173  |
| 333      | 50       | Bias                | 23.325     | 23.464      | 0.139  |
| 334      | 50       | Bias                | 23.93      | 23.958      | 0.028  |
| 335      | 50       | Bias                | 23.491     | 23.657      | 0.166  |
| 336      | 50       | Bias                | 23.697     | 23.97       | 0.273  |
| 337      | 50       | Bias                | 23.294     | 23.276      | -0.018 |
| 338      | 50       | Unbiased            | 23.09      | 23.365      | 0.275  |
| 339      | 50       | Unbiased            | 23.302     | 23.291      | -0.011 |
| 340      | 50       | Unbiased            | 23.383     | 23.393      | 0.01   |
| 341      | 50       | Unbiased            | 23.815     | 23.878      | 0.063  |
| 342      | 50       | Unbiased            | 23.602     | 23.685      | 0.083  |
| 343      | 100      | Bias                | 23.63      | 23.825      | 0.195  |
| 344      | 100      | Bias                | 23.327     | 23.444      | 0.117  |
| 345      | 100      | Bias                | 24.31      | 24.166      | -0.144 |
| 346      | 100      | Bias                | 23.541     | 23.161      | -0.38  |
| 347      | 100      | Bias                | 23.299     | 23.268      | -0.031 |
| 348      | 100      | Unbiased            | 24.078     | 24.533      | 0.455  |
| 349      | 100      | Unbiased            | 24.051     | 23.878      | -0.173 |
| 350      | 100      | Unbiased            | 23.93      | 23.898      | -0.032 |
| 351      | 100      | Unbiased            | 24.134     | 24.427      | 0.293  |
| 352      | 100      | Unbiased            | 23.423     | 23.469      | 0.046  |

Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 23.41            | 23.558           | 23.79            | 0.20366          | 23.409            | 23.554            | 23.782            | 0.20008           | -0.008    | -0.004    | -0.001    | 0.0036056 |
| 3        | 23.123           | 23.603           | 24.005           | 0.27769          | 23.263            | 23.624            | 23.93             | 0.23055           | -0.075    | 0.0214    | 0.216     | 0.087946  |
| 10       | 23.194           | 23.58            | 23.934           | 0.30493          | 23.278            | 23.594            | 23.947            | 0.2922            | -0.625    | 0.0144    | 0.753     | 0.3325    |
| 30       | 23.311           | 23.759           | 24.466           | 0.33057          | 23.391            | 23.761            | 24.376            | 0.3279            | -0.214    | 0.0018    | 0.242     | 0.13922   |
| 50       | 23.09            | 23.493           | 23.93            | 0.26394          | 23.276            | 23.594            | 23.97             | 0.27273           | -0.018    | 0.1008    | 0.275     | 0.10935   |
| 100      | 23.299           | 23.772           | 24.31            | 0.37029          | 23.161            | 23.807            | 24.533            | 0.47233           | -0.38     | 0.0346    | 0.455     | 0.24308   |

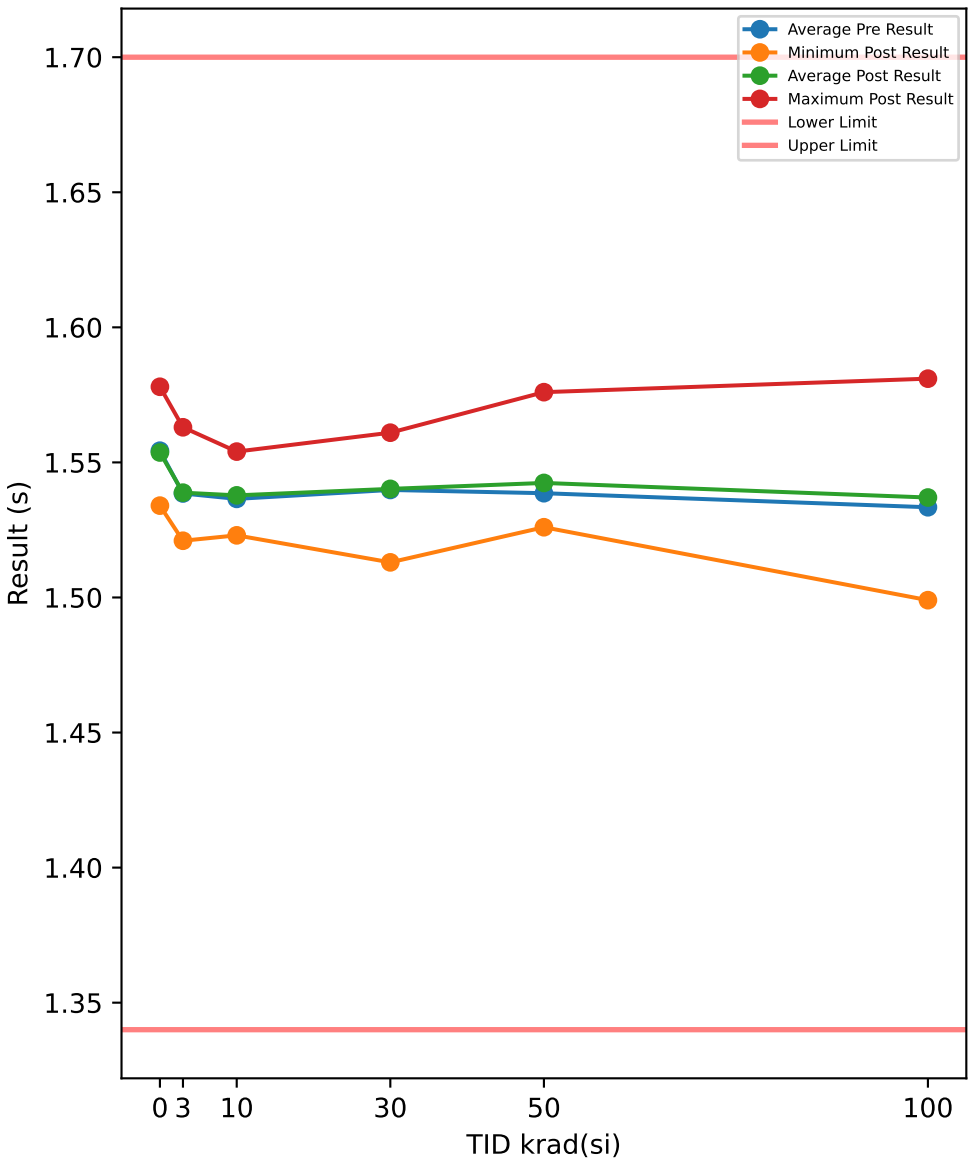


| Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms)) |          |                     |            |             |        |
|------------------------------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                                   | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                                        | 0        | Correlation         | 23.868     | 23.89       | 0.022  |
| 301                                                        | 0        | Correlation         | 23.518     | 23.559      | 0.041  |
| 302                                                        | 0        | Correlation         | 23.338     | 23.333      | -0.005 |
| 303                                                        | 3        | Bias                | 23.576     | 23.582      | 0.006  |
| 304                                                        | 3        | Bias                | 23.642     | 23.743      | 0.101  |
| 305                                                        | 3        | Bias                | 23.955     | 23.923      | -0.032 |
| 306                                                        | 3        | Bias                | 23.895     | 23.925      | 0.03   |
| 307                                                        | 3        | Bias                | 23.406     | 23.383      | -0.023 |
| 308                                                        | 3        | Unbiased            | 23.201     | 23.296      | 0.095  |
| 309                                                        | 3        | Unbiased            | 24.08      | 24.049      | -0.031 |
| 310                                                        | 3        | Unbiased            | 23.935     | 23.923      | -0.012 |
| 311                                                        | 3        | Unbiased            | 23.568     | 23.612      | 0.044  |
| 312                                                        | 3        | Unbiased            | 23.623     | 23.613      | -0.01  |
| 313                                                        | 10       | Bias                | 23.313     | 23.265      | -0.048 |
| 314                                                        | 10       | Bias                | 23.664     | 23.572      | -0.092 |
| 315                                                        | 10       | Bias                | 23.25      | 23.217      | -0.033 |
| 316                                                        | 10       | Bias                | 23.723     | 23.785      | 0.062  |
| 317                                                        | 10       | Bias                | 24.02      | 24.004      | -0.016 |
| 318                                                        | 10       | Unbiased            | 23.964     | 23.859      | -0.105 |
| 319                                                        | 10       | Unbiased            | 23.251     | 23.197      | -0.054 |
| 320                                                        | 10       | Unbiased            | 24.041     | 23.268      | -0.773 |
| 321                                                        | 10       | Unbiased            | 23.165     | 24.051      | 0.886  |
| 322                                                        | 10       | Unbiased            | 23.936     | 23.963      | 0.027  |
| 323                                                        | 30       | Bias                | 23.818     | 23.682      | -0.136 |
| 324                                                        | 30       | Bias                | 23.66      | 23.592      | -0.068 |
| 325                                                        | 30       | Bias                | 23.883     | 23.93       | 0.047  |
| 326                                                        | 30       | Bias                | 23.738     | 24.007      | 0.269  |
| 327                                                        | 30       | Bias                | 23.428     | 23.466      | 0.038  |
| 328                                                        | 30       | Unbiased            | 23.786     | 23.725      | -0.061 |
| 329                                                        | 30       | Unbiased            | 24.519     | 24.473      | -0.046 |
| 330                                                        | 30       | Unbiased            | 24.047     | 23.823      | -0.224 |
| 331                                                        | 30       | Unbiased            | 23.366     | 23.489      | 0.123  |
| 332                                                        | 30       | Unbiased            | 24.103     | 24.284      | 0.181  |
| 333                                                        | 50       | Bias                | 23.287     | 23.398      | 0.111  |
| 334                                                        | 50       | Bias                | 23.989     | 24.051      | 0.062  |
| 335                                                        | 50       | Bias                | 23.557     | 23.584      | 0.027  |
| 336                                                        | 50       | Bias                | 23.623     | 24.04       | 0.417  |
| 337                                                        | 50       | Bias                | 23.387     | 23.203      | -0.184 |
| 338                                                        | 50       | Unbiased            | 23.052     | 23.283      | 0.231  |
| 339                                                        | 50       | Unbiased            | 23.232     | 23.402      | 0.17   |
| 340                                                        | 50       | Unbiased            | 23.444     | 23.494      | 0.05   |
| 341                                                        | 50       | Unbiased            | 23.882     | 23.954      | 0.072  |
| 342                                                        | 50       | Unbiased            | 23.678     | 23.761      | 0.083  |
| 343                                                        | 100      | Bias                | 23.681     | 23.902      | 0.221  |
| 344                                                        | 100      | Bias                | 23.434     | 23.397      | -0.037 |
| 345                                                        | 100      | Bias                | 24.378     | 24.28       | -0.098 |
| 346                                                        | 100      | Bias                | 23.588     | 23.098      | -0.49  |
| 347                                                        | 100      | Bias                | 23.22      | 23.386      | 0.166  |
| 348                                                        | 100      | Unbiased            | 24.147     | 24.603      | 0.456  |
| 349                                                        | 100      | Unbiased            | 24.126     | 23.945      | -0.181 |
| 350                                                        | 100      | Unbiased            | 24.044     | 23.995      | -0.049 |
| 351                                                        | 100      | Unbiased            | 24.224     | 24.523      | 0.299  |
| 352                                                        | 100      | Unbiased            | 23.499     | 23.551      | 0.052  |

Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 23.338           | 23.575           | 23.868           | 0.26951          | 23.333            | 23.594            | 23.89             | 0.28014           | -0.005    | 0.019333  | 0.041     | 0.023116  |
| 3        | 23.201           | 23.688           | 24.08            | 0.27463          | 23.296            | 23.705            | 24.049            | 0.25087           | -0.032    | 0.0168    | 0.101     | 0.049479  |
| 10       | 23.165           | 23.633           | 24.041           | 0.35601          | 23.197            | 23.618            | 24.051            | 0.35414           | -0.773    | -0.0146   | 0.886     | 0.39595   |
| 30       | 23.366           | 23.835           | 24.519           | 0.33587          | 23.466            | 23.847            | 24.473            | 0.33273           | -0.224    | 0.0123    | 0.269     | 0.14964   |
| 50       | 23.052           | 23.513           | 23.989           | 0.29197          | 23.203            | 23.617            | 24.051            | 0.31534           | -0.184    | 0.1039    | 0.417     | 0.15403   |
| 100      | 23.22            | 23.834           | 24.378           | 0.3956           | 23.098            | 23.868            | 24.603            | 0.5066            | -0.49     | 0.0339    | 0.456     | 0.26899   |

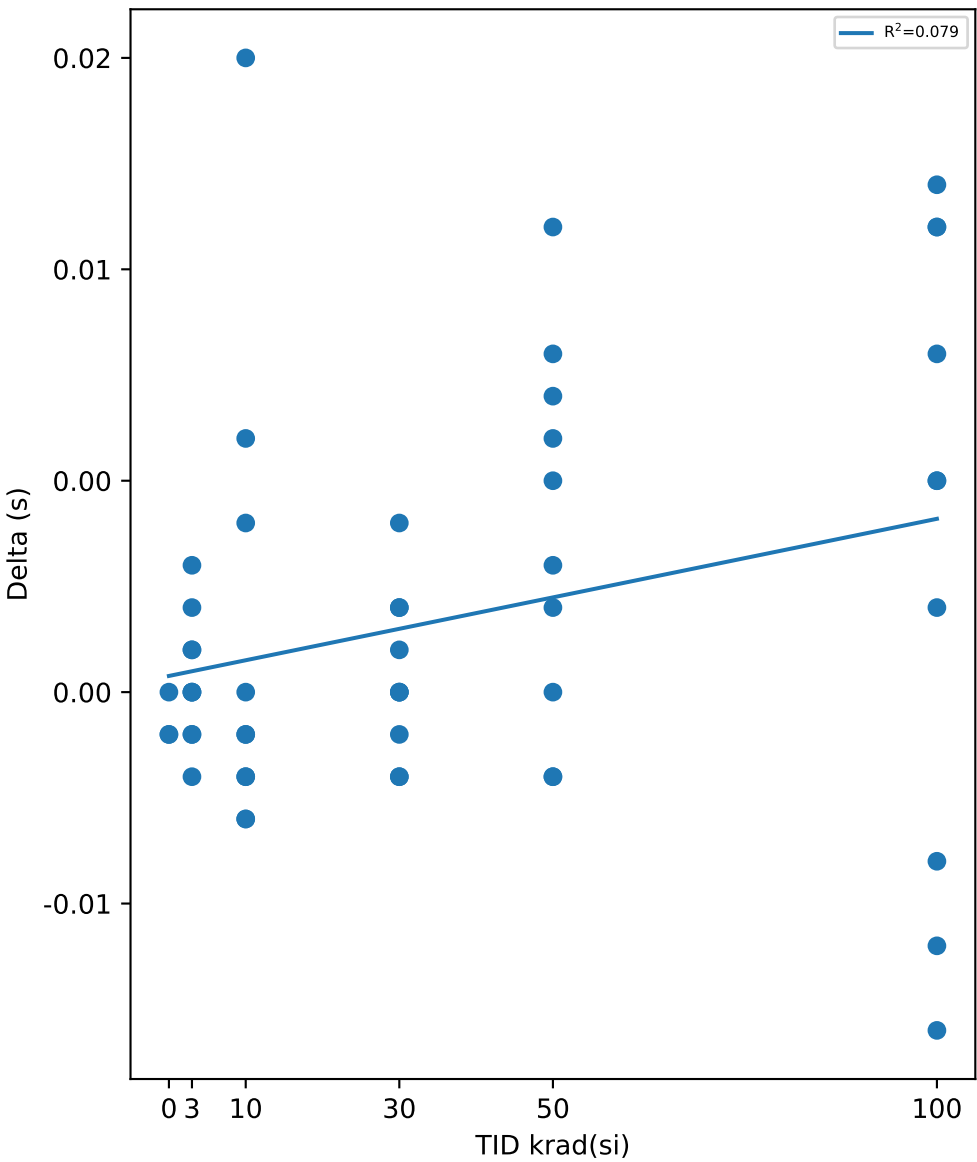
TID vs Result Stats



Test Results (Lower Limit = 1.34, Upper Limit = 1.7 (s))

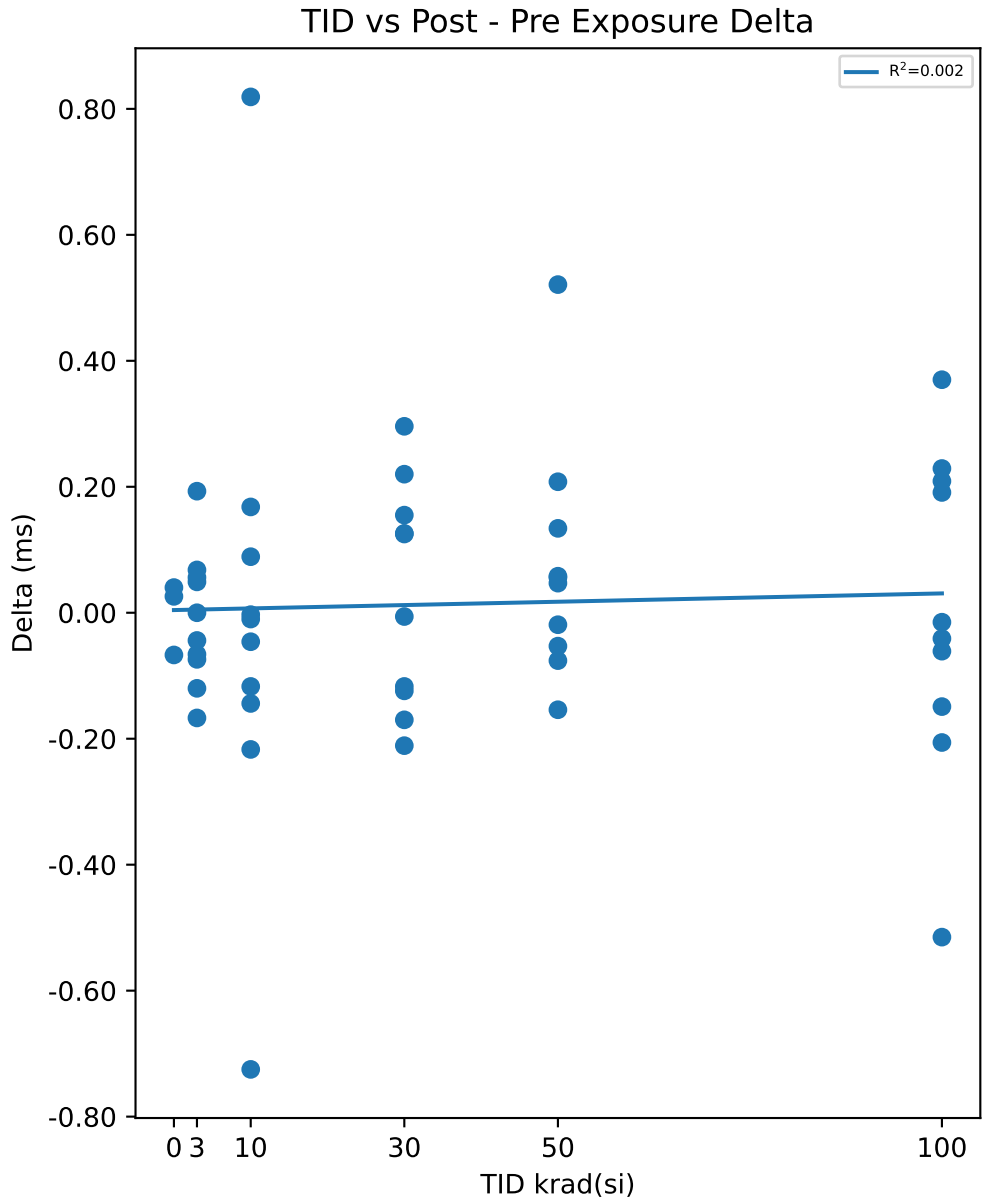
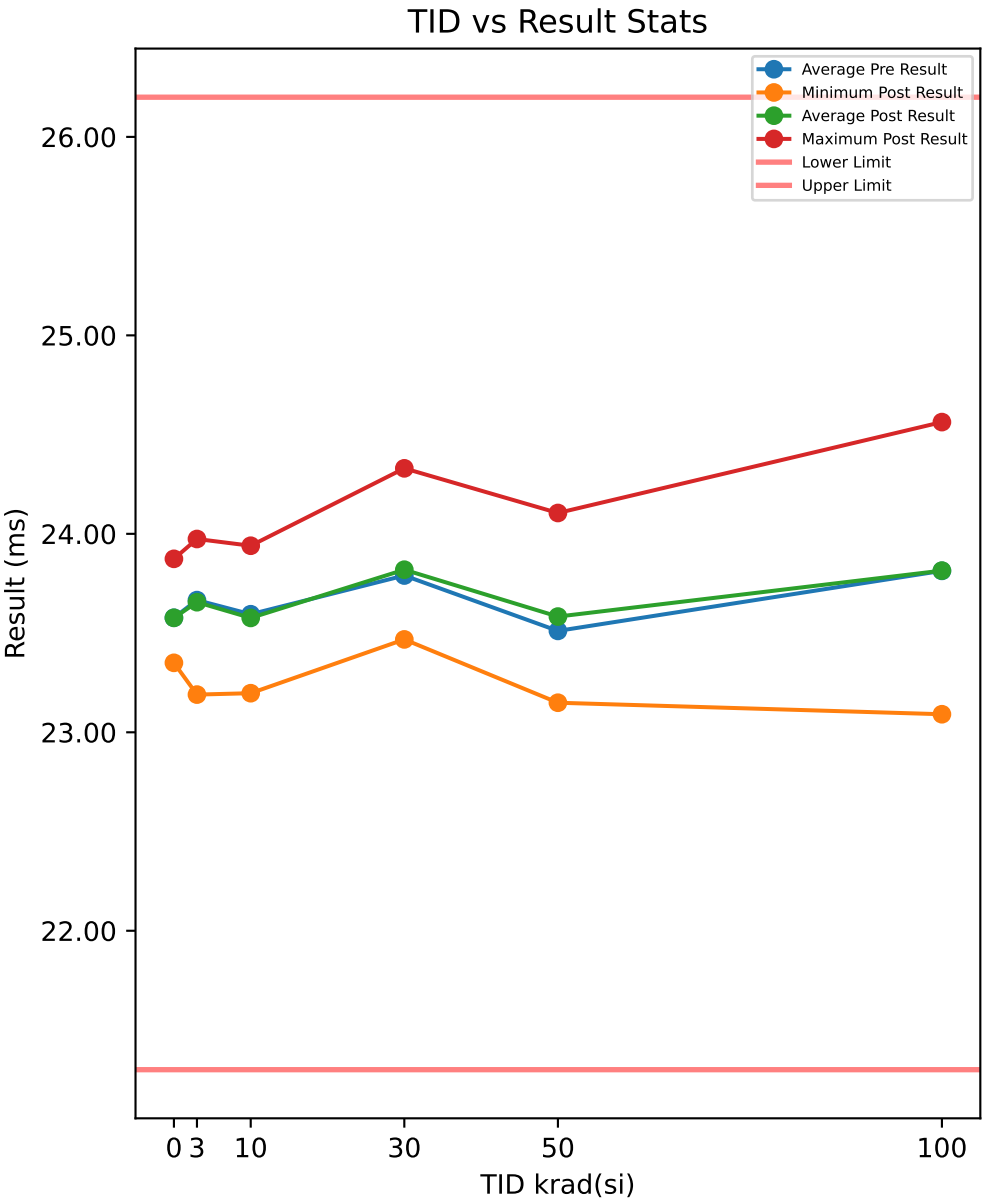
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 1.578      | 1.578       | 0      |
| 301      | 0        | Correlation         | 1.535      | 1.534       | -0.001 |
| 302      | 0        | Correlation         | 1.55       | 1.549       | -0.001 |
| 303      | 3        | Bias                | 1.56       | 1.563       | 0.003  |
| 304      | 3        | Bias                | 1.528      | 1.528       | 0      |
| 305      | 3        | Bias                | 1.522      | 1.521       | -0.001 |
| 306      | 3        | Bias                | 1.537      | 1.538       | 0.001  |
| 307      | 3        | Bias                | 1.536      | 1.535       | -0.001 |
| 308      | 3        | Unbiased            | 1.546      | 1.546       | 0      |
| 309      | 3        | Unbiased            | 1.527      | 1.527       | 0      |
| 310      | 3        | Unbiased            | 1.534      | 1.535       | 0.001  |
| 311      | 3        | Unbiased            | 1.544      | 1.542       | -0.002 |
| 312      | 3        | Unbiased            | 1.551      | 1.553       | 0.002  |
| 313      | 10       | Bias                | 1.517      | 1.523       | 0.006  |
| 314      | 10       | Bias                | 1.537      | 1.534       | -0.003 |
| 315      | 10       | Bias                | 1.545      | 1.545       | 0      |
| 316      | 10       | Bias                | 1.531      | 1.529       | -0.002 |
| 317      | 10       | Bias                | 1.531      | 1.53        | -0.001 |
| 318      | 10       | Unbiased            | 1.549      | 1.547       | -0.002 |
| 319      | 10       | Unbiased            | 1.542      | 1.546       | 0.004  |
| 320      | 10       | Unbiased            | 1.525      | 1.54        | 0.015  |
| 321      | 10       | Unbiased            | 1.533      | 1.53        | -0.003 |
| 322      | 10       | Unbiased            | 1.555      | 1.554       | -0.001 |
| 323      | 30       | Bias                | 1.518      | 1.516       | -0.002 |
| 324      | 30       | Bias                | 1.513      | 1.513       | 0      |
| 325      | 30       | Bias                | 1.562      | 1.561       | -0.001 |
| 326      | 30       | Bias                | 1.538      | 1.538       | 0      |
| 327      | 30       | Bias                | 1.526      | 1.527       | 0.001  |
| 328      | 30       | Unbiased            | 1.554      | 1.558       | 0.004  |
| 329      | 30       | Unbiased            | 1.533      | 1.531       | -0.002 |
| 330      | 30       | Unbiased            | 1.554      | 1.556       | 0.002  |
| 331      | 30       | Unbiased            | 1.544      | 1.546       | 0.002  |
| 332      | 30       | Unbiased            | 1.556      | 1.556       | 0      |
| 333      | 50       | Bias                | 1.549      | 1.551       | 0.002  |
| 334      | 50       | Bias                | 1.528      | 1.526       | -0.002 |
| 335      | 50       | Bias                | 1.573      | 1.576       | 0.003  |
| 336      | 50       | Bias                | 1.53       | 1.528       | -0.002 |
| 337      | 50       | Bias                | 1.525      | 1.531       | 0.006  |
| 338      | 50       | Unbiased            | 1.53       | 1.537       | 0.007  |
| 339      | 50       | Unbiased            | 1.524      | 1.529       | 0.005  |
| 340      | 50       | Unbiased            | 1.542      | 1.55        | 0.008  |
| 341      | 50       | Unbiased            | 1.522      | 1.533       | 0.011  |
| 342      | 50       | Unbiased            | 1.563      | 1.563       | 0      |
| 343      | 100      | Bias                | 1.542      | 1.534       | -0.008 |
| 344      | 100      | Bias                | 1.505      | 1.499       | -0.006 |
| 345      | 100      | Bias                | 1.522      | 1.524       | 0.002  |
| 346      | 100      | Bias                | 1.529      | 1.54        | 0.011  |
| 347      | 100      | Bias                | 1.569      | 1.581       | 0.012  |
| 348      | 100      | Unbiased            | 1.51       | 1.515       | 0.005  |
| 349      | 100      | Unbiased            | 1.524      | 1.52        | -0.004 |
| 350      | 100      | Unbiased            | 1.553      | 1.558       | 0.005  |
| 351      | 100      | Unbiased            | 1.532      | 1.543       | 0.011  |
| 352      | 100      | Unbiased            | 1.548      | 1.556       | 0.008  |

TID vs Post - Pre Exposure Delta



Test Statistics (s)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|------------|
| 0        | 1.535            | 1.5543           | 1.578            | 0.021825         | 1.534             | 1.5537            | 1.578             | 0.022368          | -0.001    | -0.00066667 | 0         | 0.00057735 |
| 3        | 1.522            | 1.5385           | 1.56             | 0.011778         | 1.521             | 1.5388            | 1.563             | 0.0127            | -0.002    | 0.0003      | 0.003     | 0.0014944  |
| 10       | 1.517            | 1.5365           | 1.555            | 0.011482         | 1.523             | 1.5378            | 1.554             | 0.01002           | -0.003    | 0.0013      | 0.015     | 0.0056578  |
| 30       | 1.513            | 1.5398           | 1.562            | 0.017028         | 1.513             | 1.5402            | 1.561             | 0.017862          | -0.002    | 0.0004      | 0.004     | 0.0018974  |
| 50       | 1.522            | 1.5386           | 1.573            | 0.01774          | 1.526             | 1.5424            | 1.576             | 0.016959          | -0.002    | 0.0038      | 0.011     | 0.0043665  |
| 100      | 1.505            | 1.5334           | 1.569            | 0.019811         | 1.499             | 1.537             | 1.581             | 0.023986          | -0.008    | 0.0036      | 0.012     | 0.0073817  |



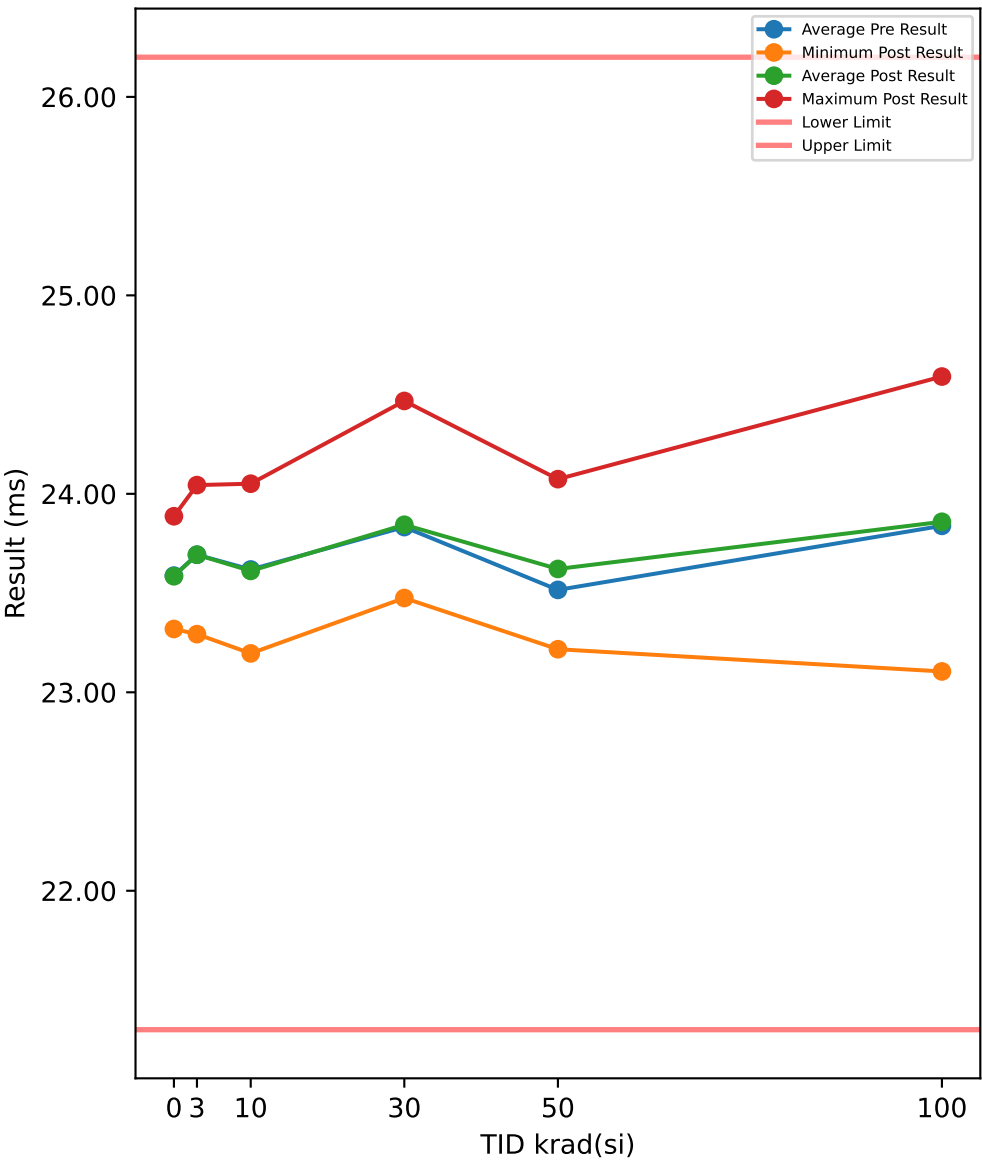
| Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms)) |          |                     |            |             |        |
|------------------------------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                                   | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                                        | 0        | Correlation         | 23.848     | 23.874      | 0.026  |
| 301                                                        | 0        | Correlation         | 23.573     | 23.506      | -0.067 |
| 302                                                        | 0        | Correlation         | 23.31      | 23.35       | 0.04   |
| 303                                                        | 3        | Bias                | 23.59      | 23.524      | -0.066 |
| 304                                                        | 3        | Bias                | 23.586     | 23.779      | 0.193  |
| 305                                                        | 3        | Bias                | 23.947     | 23.78       | -0.167 |
| 306                                                        | 3        | Bias                | 23.806     | 23.874      | 0.068  |
| 307                                                        | 3        | Bias                | 23.487     | 23.443      | -0.044 |
| 308                                                        | 3        | Unbiased            | 23.141     | 23.19       | 0.049  |
| 309                                                        | 3        | Unbiased            | 24.048     | 23.974      | -0.074 |
| 310                                                        | 3        | Unbiased            | 23.935     | 23.815      | -0.12  |
| 311                                                        | 3        | Unbiased            | 23.55      | 23.55       | 0      |
| 312                                                        | 3        | Unbiased            | 23.57      | 23.626      | 0.056  |
| 313                                                        | 10       | Bias                | 23.348     | 23.204      | -0.144 |
| 314                                                        | 10       | Bias                | 23.563     | 23.517      | -0.046 |
| 315                                                        | 10       | Bias                | 23.148     | 23.316      | 0.168  |
| 316                                                        | 10       | Bias                | 23.716     | 23.805      | 0.089  |
| 317                                                        | 10       | Bias                | 23.95      | 23.94       | -0.01  |
| 318                                                        | 10       | Unbiased            | 23.967     | 23.75       | -0.217 |
| 319                                                        | 10       | Unbiased            | 23.314     | 23.197      | -0.117 |
| 320                                                        | 10       | Unbiased            | 23.945     | 23.22       | -0.725 |
| 321                                                        | 10       | Unbiased            | 23.115     | 23.934      | 0.819  |
| 322                                                        | 10       | Unbiased            | 23.883     | 23.88       | -0.003 |
| 323                                                        | 30       | Bias                | 23.719     | 23.602      | -0.117 |
| 324                                                        | 30       | Bias                | 23.679     | 23.555      | -0.124 |
| 325                                                        | 30       | Bias                | 23.788     | 23.943      | 0.155  |
| 326                                                        | 30       | Bias                | 23.692     | 23.988      | 0.296  |
| 327                                                        | 30       | Bias                | 23.327     | 23.547      | 0.22   |
| 328                                                        | 30       | Unbiased            | 23.823     | 23.653      | -0.17  |
| 329                                                        | 30       | Unbiased            | 24.336     | 24.33       | -0.006 |
| 330                                                        | 30       | Unbiased            | 24.056     | 23.845      | -0.211 |
| 331                                                        | 30       | Unbiased            | 23.342     | 23.468      | 0.126  |
| 332                                                        | 30       | Unbiased            | 24.137     | 24.262      | 0.125  |
| 333                                                        | 50       | Bias                | 23.336     | 23.394      | 0.058  |
| 334                                                        | 50       | Bias                | 23.946     | 23.927      | -0.019 |
| 335                                                        | 50       | Bias                | 23.629     | 23.553      | -0.076 |
| 336                                                        | 50       | Bias                | 23.584     | 24.105      | 0.521  |
| 337                                                        | 50       | Bias                | 23.303     | 23.149      | -0.154 |
| 338                                                        | 50       | Unbiased            | 23.087     | 23.221      | 0.134  |
| 339                                                        | 50       | Unbiased            | 23.218     | 23.426      | 0.208  |
| 340                                                        | 50       | Unbiased            | 23.393     | 23.449      | 0.056  |
| 341                                                        | 50       | Unbiased            | 23.914     | 23.961      | 0.047  |
| 342                                                        | 50       | Unbiased            | 23.699     | 23.646      | -0.053 |
| 343                                                        | 100      | Bias                | 23.584     | 23.793      | 0.209  |
| 344                                                        | 100      | Bias                | 23.492     | 23.286      | -0.206 |
| 345                                                        | 100      | Bias                | 24.327     | 24.266      | -0.061 |
| 346                                                        | 100      | Bias                | 23.606     | 23.091      | -0.515 |
| 347                                                        | 100      | Bias                | 23.152     | 23.343      | 0.191  |
| 348                                                        | 100      | Unbiased            | 24.193     | 24.563      | 0.37   |
| 349                                                        | 100      | Unbiased            | 24.002     | 23.853      | -0.149 |
| 350                                                        | 100      | Unbiased            | 24.021     | 24.006      | -0.015 |
| 351                                                        | 100      | Unbiased            | 24.234     | 24.463      | 0.229  |
| 352                                                        | 100      | Unbiased            | 23.523     | 23.482      | -0.041 |

Test Statistics (ms)

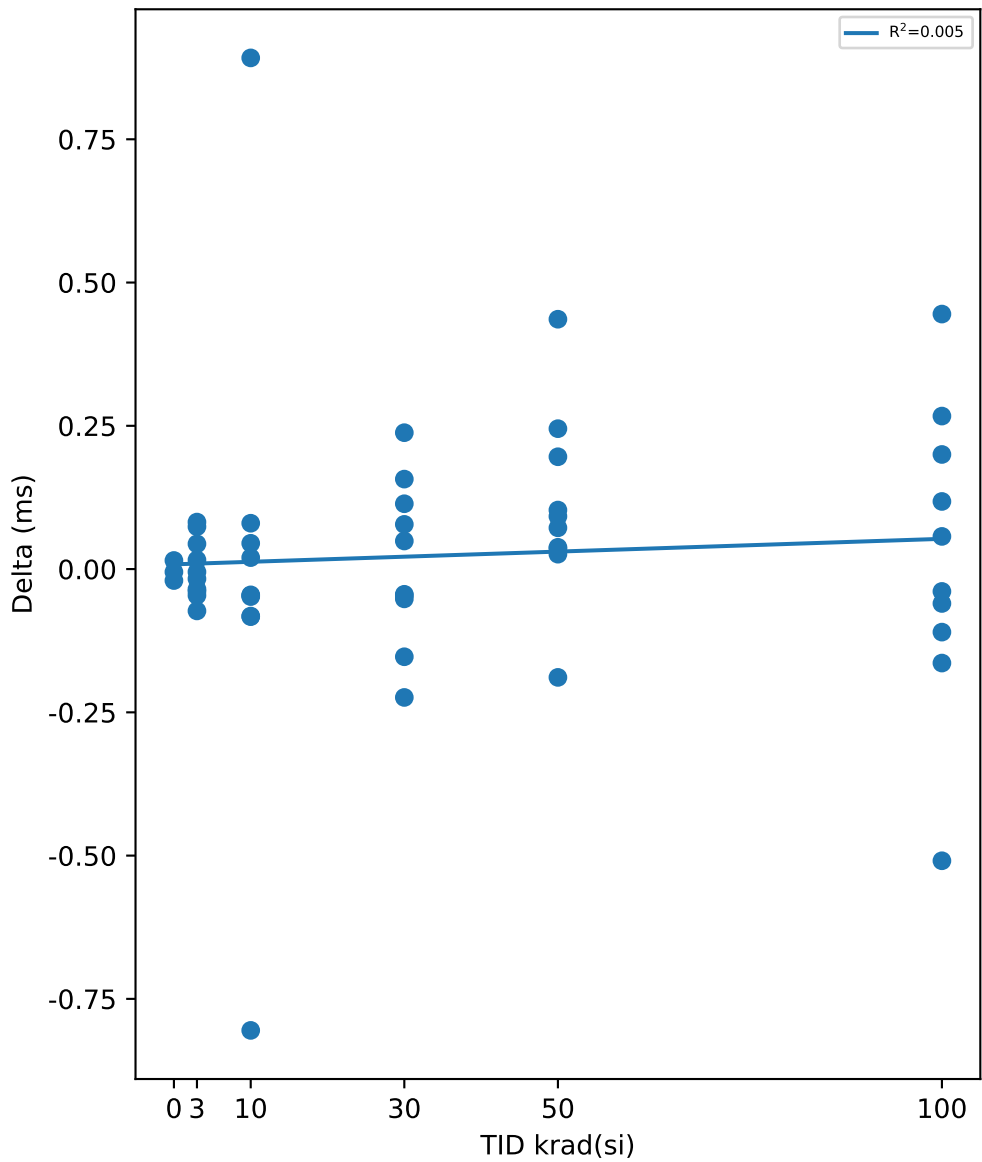
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|-----------|
| 0        | 23.31            | 23.577           | 23.848           | 0.26902          | 23.35             | 23.577            | 23.874            | 0.26905           | -0.067    | -0.00033333 | 0.04      | 0.058158  |
| 3        | 23.141           | 23.666           | 24.048           | 0.27067          | 23.19             | 23.655            | 23.974            | 0.23488           | -0.167    | -0.0105     | 0.193     | 0.1056    |
| 10       | 23.115           | 23.595           | 23.967           | 0.34249          | 23.197            | 23.576            | 23.94             | 0.31896           | -0.725    | -0.0186     | 0.819     | 0.38193   |
| 30       | 23.327           | 23.79            | 24.336           | 0.32187          | 23.468            | 23.819            | 24.33             | 0.30614           | -0.211    | 0.0294      | 0.296     | 0.17808   |
| 50       | 23.087           | 23.511           | 23.946           | 0.29053          | 23.149            | 23.583            | 24.105            | 0.32254           | -0.154    | 0.0722      | 0.521     | 0.18912   |
| 100      | 23.152           | 23.813           | 24.327           | 0.39217          | 23.091            | 23.815            | 24.563            | 0.51196           | -0.515    | 0.0012      | 0.37      | 0.25927   |

Device Test: 5.90 ; DLY\_TMR\_1MOHM

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 23.872     | 23.887      | 0.015  |
| 301      | 0        | Correlation         | 23.553     | 23.548      | -0.005 |
| 302      | 0        | Correlation         | 23.339     | 23.319      | -0.02  |
| 303      | 3        | Bias                | 23.557     | 23.552      | -0.005 |
| 304      | 3        | Bias                | 23.653     | 23.727      | 0.074  |
| 305      | 3        | Bias                | 23.966     | 23.893      | -0.073 |
| 306      | 3        | Bias                | 23.903     | 23.919      | 0.016  |
| 307      | 3        | Bias                | 23.425     | 23.379      | -0.046 |
| 308      | 3        | Unbiased            | 23.211     | 23.293      | 0.082  |
| 309      | 3        | Unbiased            | 24.079     | 24.044      | -0.035 |
| 310      | 3        | Unbiased            | 23.927     | 23.91       | -0.017 |
| 311      | 3        | Unbiased            | 23.587     | 23.631      | 0.044  |
| 312      | 3        | Unbiased            | 23.623     | 23.584      | -0.039 |
| 313      | 10       | Bias                | 23.305     | 23.26       | -0.045 |
| 314      | 10       | Bias                | 23.639     | 23.556      | -0.083 |
| 315      | 10       | Bias                | 23.228     | 23.248      | 0.02   |
| 316      | 10       | Bias                | 23.701     | 23.781      | 0.08   |
| 317      | 10       | Bias                | 24.009     | 23.963      | -0.046 |
| 318      | 10       | Unbiased            | 23.938     | 23.856      | -0.082 |
| 319      | 10       | Unbiased            | 23.244     | 23.196      | -0.048 |
| 320      | 10       | Unbiased            | 24.044     | 23.239      | -0.805 |
| 321      | 10       | Unbiased            | 23.159     | 24.051      | 0.892  |
| 322      | 10       | Unbiased            | 23.921     | 23.966      | 0.045  |
| 323      | 30       | Bias                | 23.811     | 23.658      | -0.153 |
| 324      | 30       | Bias                | 23.658     | 23.606      | -0.052 |
| 325      | 30       | Bias                | 23.875     | 23.924      | 0.049  |
| 326      | 30       | Bias                | 23.763     | 24.001      | 0.238  |
| 327      | 30       | Bias                | 23.408     | 23.486      | 0.078  |
| 328      | 30       | Unbiased            | 23.778     | 23.732      | -0.046 |
| 329      | 30       | Unbiased            | 24.512     | 24.468      | -0.044 |
| 330      | 30       | Unbiased            | 24.041     | 23.817      | -0.224 |
| 331      | 30       | Unbiased            | 23.361     | 23.475      | 0.114  |
| 332      | 30       | Unbiased            | 24.118     | 24.275      | 0.157  |
| 333      | 50       | Bias                | 23.283     | 23.386      | 0.103  |
| 334      | 50       | Bias                | 23.993     | 24.029      | 0.036  |
| 335      | 50       | Bias                | 23.575     | 23.601      | 0.026  |
| 336      | 50       | Bias                | 23.638     | 24.074      | 0.436  |
| 337      | 50       | Bias                | 23.406     | 23.217      | -0.189 |
| 338      | 50       | Unbiased            | 23.051     | 23.296      | 0.245  |
| 339      | 50       | Unbiased            | 23.207     | 23.403      | 0.196  |
| 340      | 50       | Unbiased            | 23.462     | 23.5        | 0.038  |
| 341      | 50       | Unbiased            | 23.855     | 23.947      | 0.092  |
| 342      | 50       | Unbiased            | 23.69      | 23.762      | 0.072  |
| 343      | 100      | Bias                | 23.694     | 23.894      | 0.2    |
| 344      | 100      | Bias                | 23.428     | 23.389      | -0.039 |
| 345      | 100      | Bias                | 24.382     | 24.272      | -0.11  |
| 346      | 100      | Bias                | 23.614     | 23.105      | -0.509 |
| 347      | 100      | Bias                | 23.229     | 23.347      | 0.118  |
| 348      | 100      | Unbiased            | 24.146     | 24.591      | 0.445  |
| 349      | 100      | Unbiased            | 24.127     | 23.963      | -0.164 |
| 350      | 100      | Unbiased            | 24.047     | 23.987      | -0.06  |
| 351      | 100      | Unbiased            | 24.219     | 24.486      | 0.267  |
| 352      | 100      | Unbiased            | 23.501     | 23.558      | 0.057  |

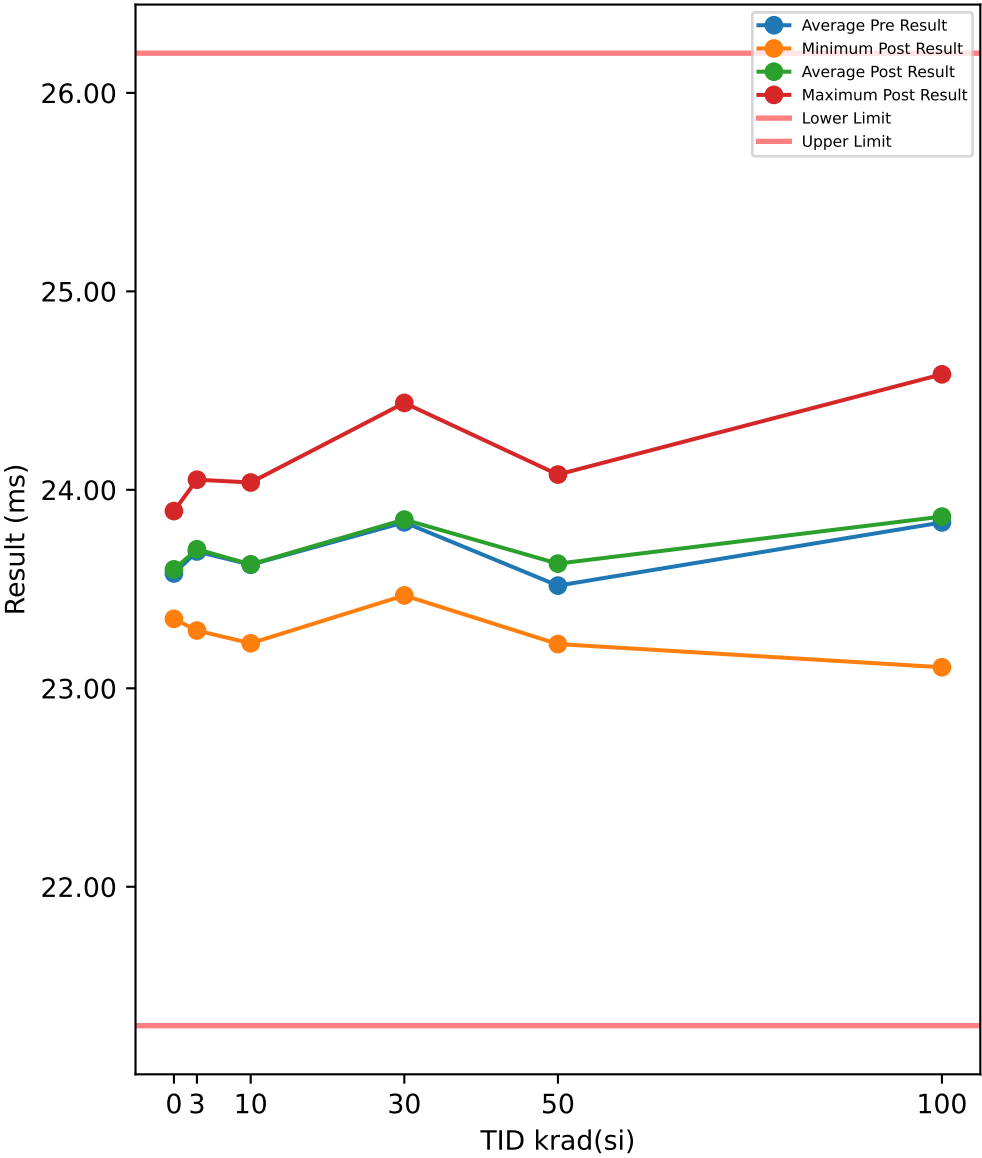
Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 23.339           | 23.588           | 23.872           | 0.26822          | 23.319            | 23.585            | 23.887            | 0.28577           | -0.02     | -0.0033333 | 0.015     | 0.017559  |
| 3        | 23.211           | 23.693           | 24.079           | 0.27137          | 23.293            | 23.693            | 24.044            | 0.24871           | -0.073    | 0.0001     | 0.082     | 0.052596  |
| 10       | 23.159           | 23.619           | 24.044           | 0.35536          | 23.196            | 23.612            | 24.051            | 0.34977           | -0.805    | -0.0072    | 0.892     | 0.40443   |
| 30       | 23.361           | 23.832           | 24.512           | 0.33825          | 23.475            | 23.844            | 24.468            | 0.32914           | -0.224    | 0.0117     | 0.238     | 0.14211   |
| 50       | 23.051           | 23.516           | 23.993           | 0.2929           | 23.217            | 23.622            | 24.074            | 0.31349           | -0.189    | 0.1055     | 0.436     | 0.16351   |
| 100      | 23.229           | 23.839           | 24.382           | 0.39252          | 23.105            | 23.859            | 24.591            | 0.50223           | -0.509    | 0.0205     | 0.445     | 0.26362   |

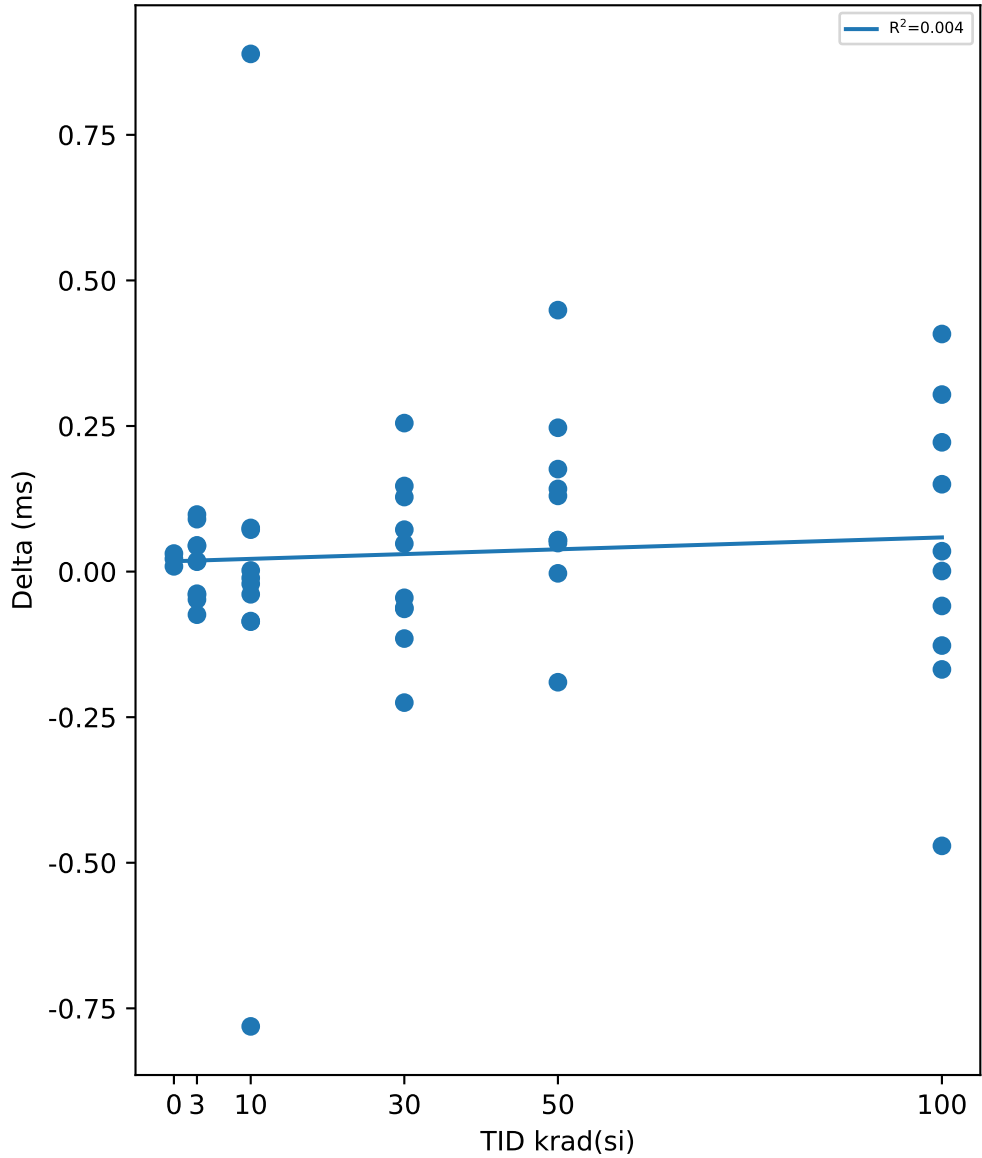


Device Test: 5.91 ; DLY\_TMR\_1MOHM

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

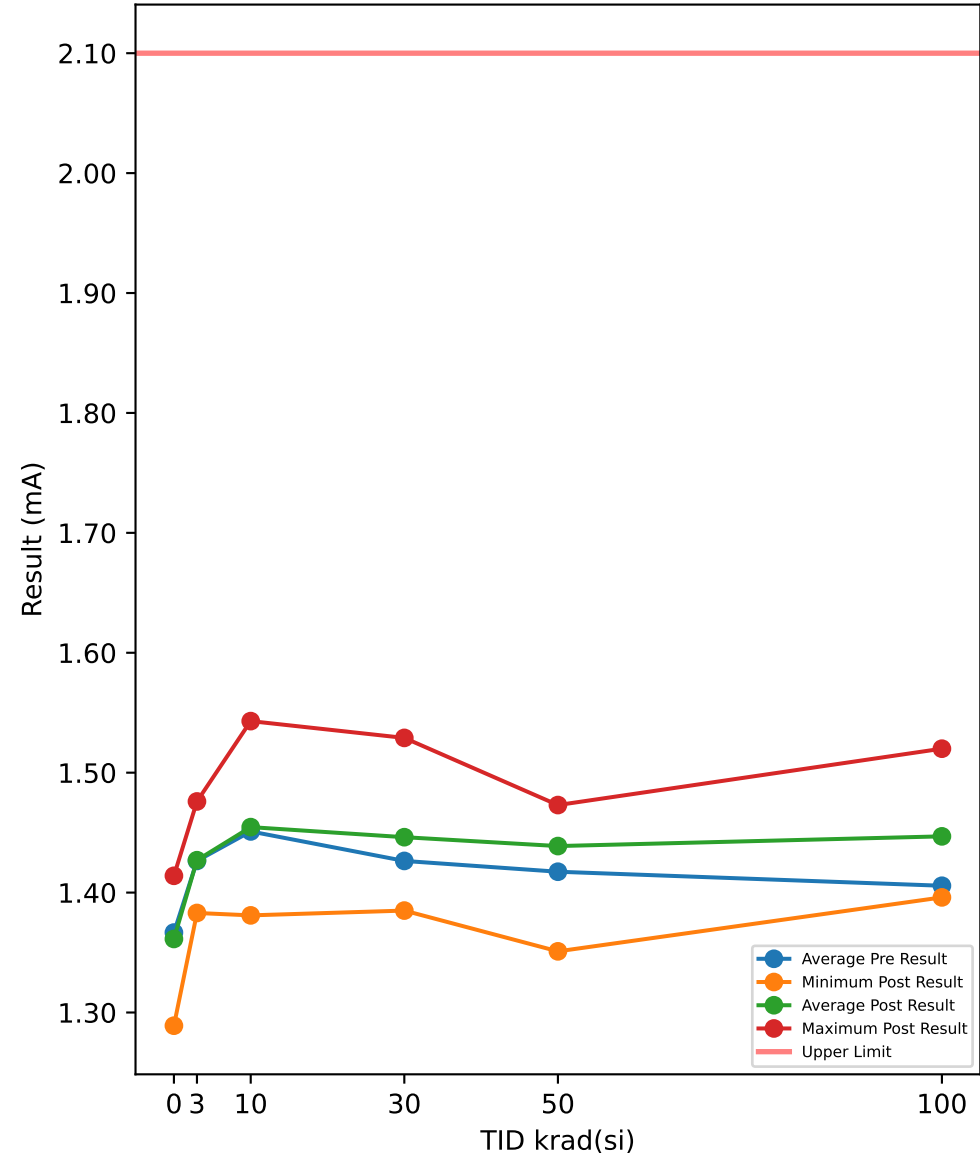
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 23.884     | 23.893      | 0.009  |
| 301      | 0        | Correlation         | 23.533     | 23.555      | 0.022  |
| 302      | 0        | Correlation         | 23.319     | 23.35       | 0.031  |
| 303      | 3        | Bias                | 23.541     | 23.558      | 0.017  |
| 304      | 3        | Bias                | 23.654     | 23.744      | 0.09   |
| 305      | 3        | Bias                | 23.974     | 23.926      | -0.048 |
| 306      | 3        | Bias                | 23.881     | 23.925      | 0.044  |
| 307      | 3        | Bias                | 23.432     | 23.358      | -0.074 |
| 308      | 3        | Unbiased            | 23.193     | 23.291      | 0.098  |
| 309      | 3        | Unbiased            | 24.091     | 24.051      | -0.04  |
| 310      | 3        | Unbiased            | 23.936     | 23.898      | -0.038 |
| 311      | 3        | Unbiased            | 23.595     | 23.64       | 0.045  |
| 312      | 3        | Unbiased            | 23.597     | 23.615      | 0.018  |
| 313      | 10       | Bias                | 23.3       | 23.261      | -0.039 |
| 314      | 10       | Bias                | 23.638     | 23.552      | -0.086 |
| 315      | 10       | Bias                | 23.253     | 23.242      | -0.011 |
| 316      | 10       | Bias                | 23.712     | 23.784      | 0.072  |
| 317      | 10       | Bias                | 24.002     | 24.004      | 0.002  |
| 318      | 10       | Unbiased            | 23.961     | 23.876      | -0.085 |
| 319      | 10       | Unbiased            | 23.248     | 23.227      | -0.021 |
| 320      | 10       | Unbiased            | 24.05      | 23.269      | -0.781 |
| 321      | 10       | Unbiased            | 23.148     | 24.037      | 0.889  |
| 322      | 10       | Unbiased            | 23.915     | 23.99       | 0.075  |
| 323      | 30       | Bias                | 23.817     | 23.702      | -0.115 |
| 324      | 30       | Bias                | 23.661     | 23.597      | -0.064 |
| 325      | 30       | Bias                | 23.884     | 23.932      | 0.048  |
| 326      | 30       | Bias                | 23.753     | 24.008      | 0.255  |
| 327      | 30       | Bias                | 23.43      | 23.502      | 0.072  |
| 328      | 30       | Unbiased            | 23.785     | 23.74       | -0.045 |
| 329      | 30       | Unbiased            | 24.5       | 24.438      | -0.062 |
| 330      | 30       | Unbiased            | 24.049     | 23.824      | -0.225 |
| 331      | 30       | Unbiased            | 23.34      | 23.468      | 0.128  |
| 332      | 30       | Unbiased            | 24.143     | 24.29       | 0.147  |
| 333      | 50       | Bias                | 23.273     | 23.403      | 0.13   |
| 334      | 50       | Bias                | 24.021     | 24.018      | -0.003 |
| 335      | 50       | Bias                | 23.562     | 23.611      | 0.049  |
| 336      | 50       | Bias                | 23.628     | 24.077      | 0.449  |
| 337      | 50       | Bias                | 23.413     | 23.223      | -0.19  |
| 338      | 50       | Unbiased            | 23.058     | 23.305      | 0.247  |
| 339      | 50       | Unbiased            | 23.239     | 23.415      | 0.176  |
| 340      | 50       | Unbiased            | 23.454     | 23.508      | 0.054  |
| 341      | 50       | Unbiased            | 23.832     | 23.974      | 0.142  |
| 342      | 50       | Unbiased            | 23.694     | 23.748      | 0.054  |
| 343      | 100      | Bias                | 23.68      | 23.902      | 0.222  |
| 344      | 100      | Bias                | 23.392     | 23.393      | 0.001  |
| 345      | 100      | Bias                | 24.39      | 24.263      | -0.127 |
| 346      | 100      | Bias                | 23.577     | 23.106      | -0.471 |
| 347      | 100      | Bias                | 23.236     | 23.386      | 0.15   |
| 348      | 100      | Unbiased            | 24.174     | 24.582      | 0.408  |
| 349      | 100      | Unbiased            | 24.135     | 23.967      | -0.168 |
| 350      | 100      | Unbiased            | 24.055     | 23.996      | -0.059 |
| 351      | 100      | Unbiased            | 24.219     | 24.523      | 0.304  |
| 352      | 100      | Unbiased            | 23.499     | 23.534      | 0.035  |

Test Statistics (ms)

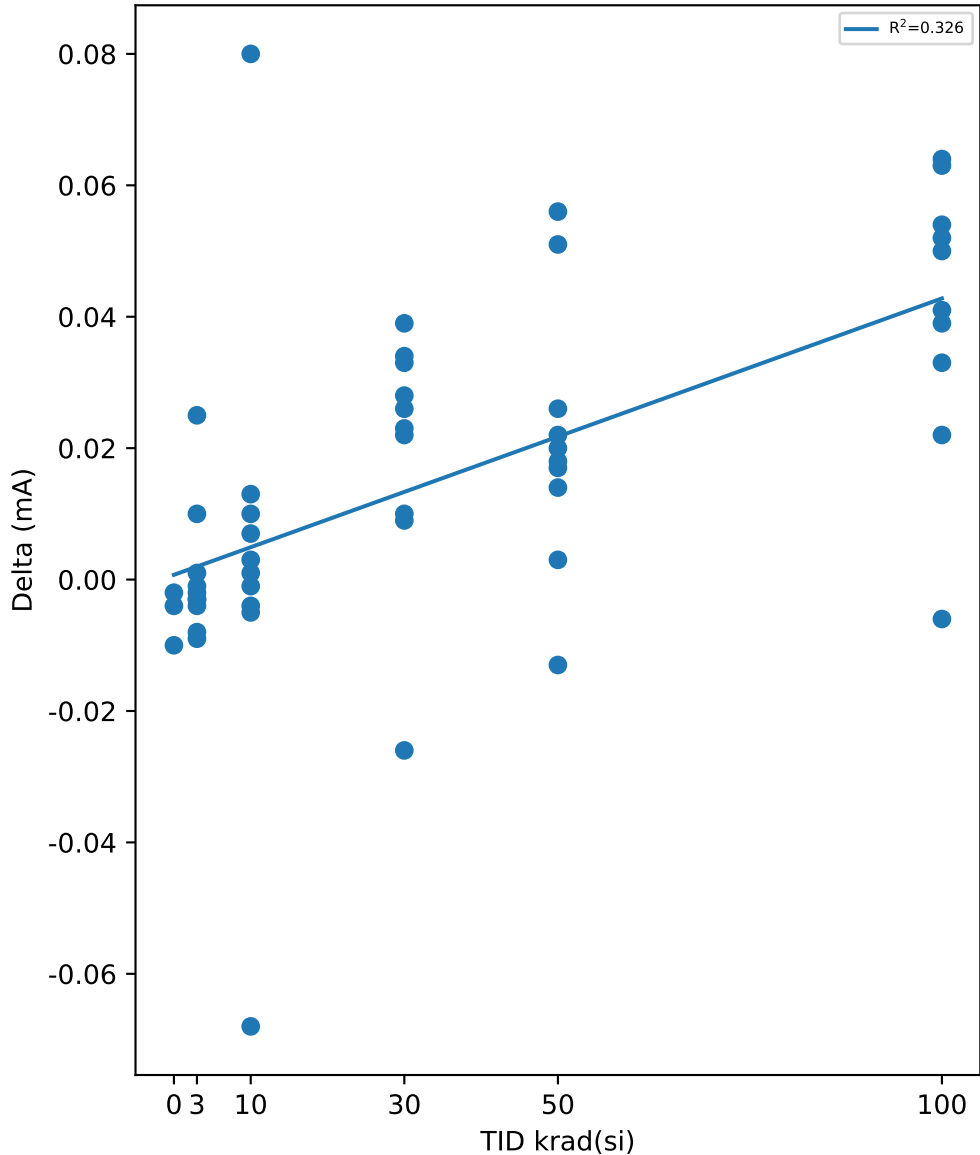
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 23.319           | 23.579           | 23.884           | 0.28525          | 23.35             | 23.599            | 23.893            | 0.2742            | 0.009     | 0.020667  | 0.031     | 0.01106   |
| 3        | 23.193           | 23.689           | 24.091           | 0.27753          | 23.291            | 23.701            | 24.051            | 0.25414           | -0.074    | 0.0112    | 0.098     | 0.059486  |
| 10       | 23.148           | 23.623           | 24.05            | 0.35607          | 23.227            | 23.624            | 24.037            | 0.35032           | -0.781    | 0.0015    | 0.889     | 0.3983    |
| 30       | 23.34            | 23.836           | 24.5             | 0.33898          | 23.468            | 23.85             | 24.438            | 0.32262           | -0.225    | 0.0139    | 0.255     | 0.14236   |
| 50       | 23.058           | 23.517           | 24.021           | 0.29082          | 23.223            | 23.628            | 24.077            | 0.31035           | -0.19     | 0.1108    | 0.449     | 0.16741   |
| 100      | 23.236           | 23.836           | 24.39            | 0.40378          | 23.106            | 23.865            | 24.582            | 0.50247           | -0.471    | 0.0295    | 0.408     | 0.25666   |

Device Test: 6.0 ; ISD

TID vs Result Stats

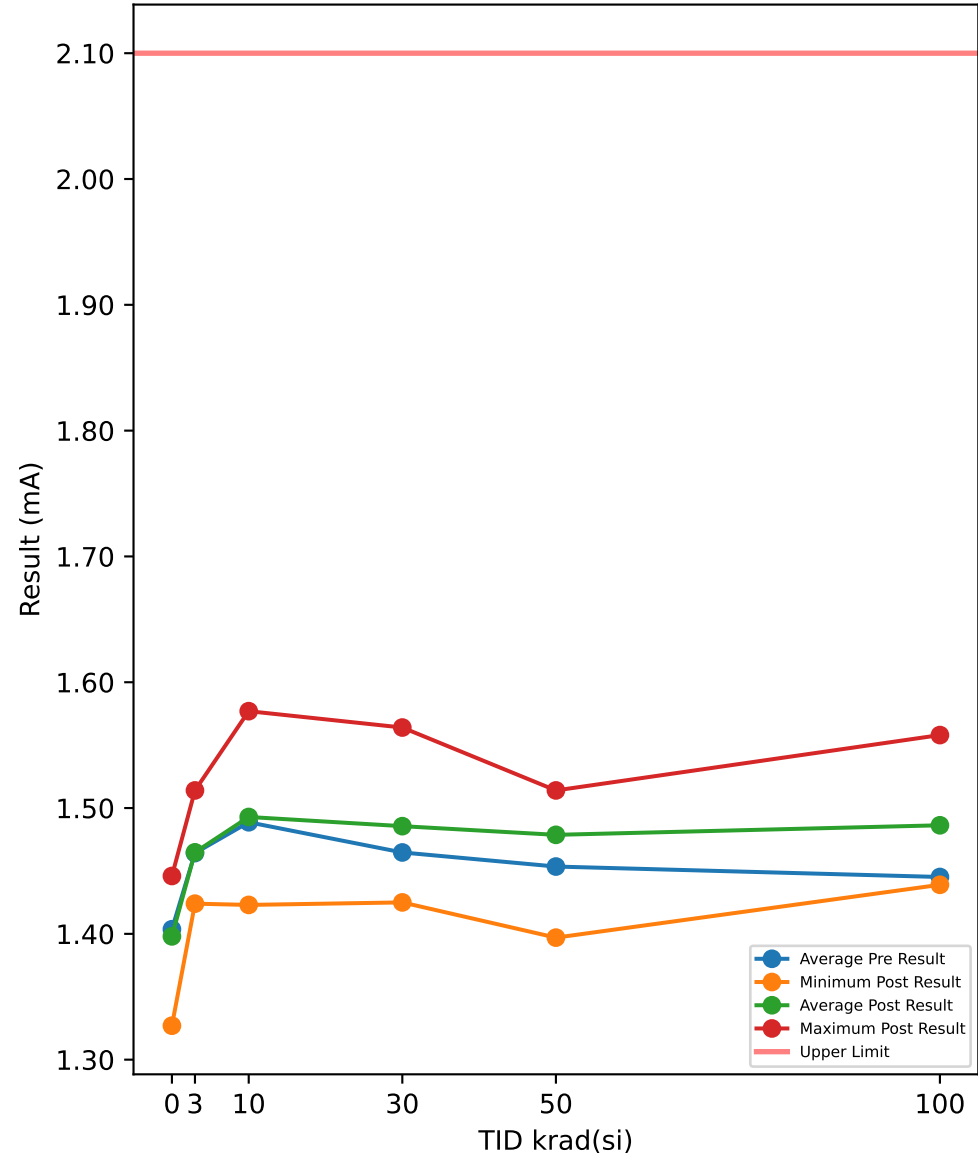


TID vs Post - Pre Exposure Delta

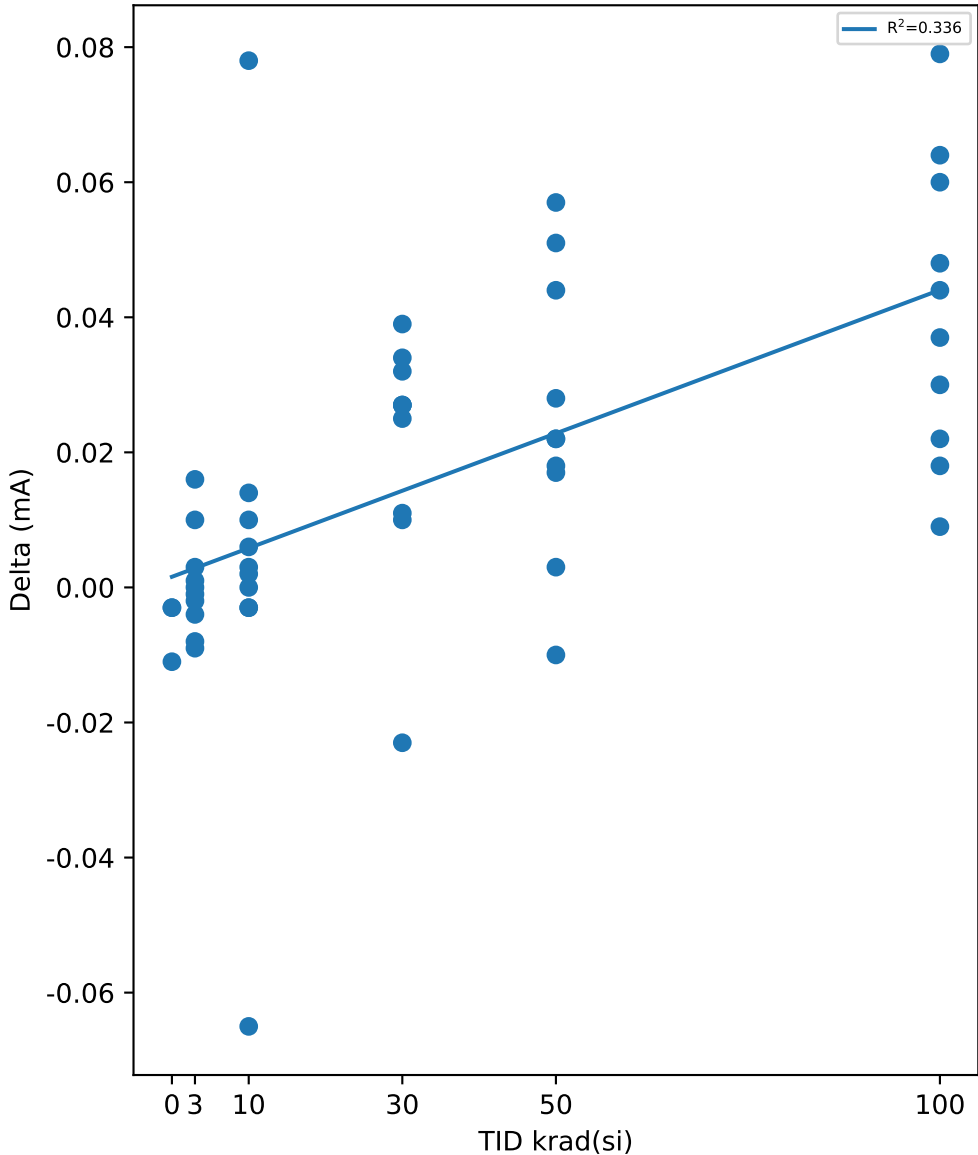


Device Test: 6.1 ; ISD

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 2.1 (mA))

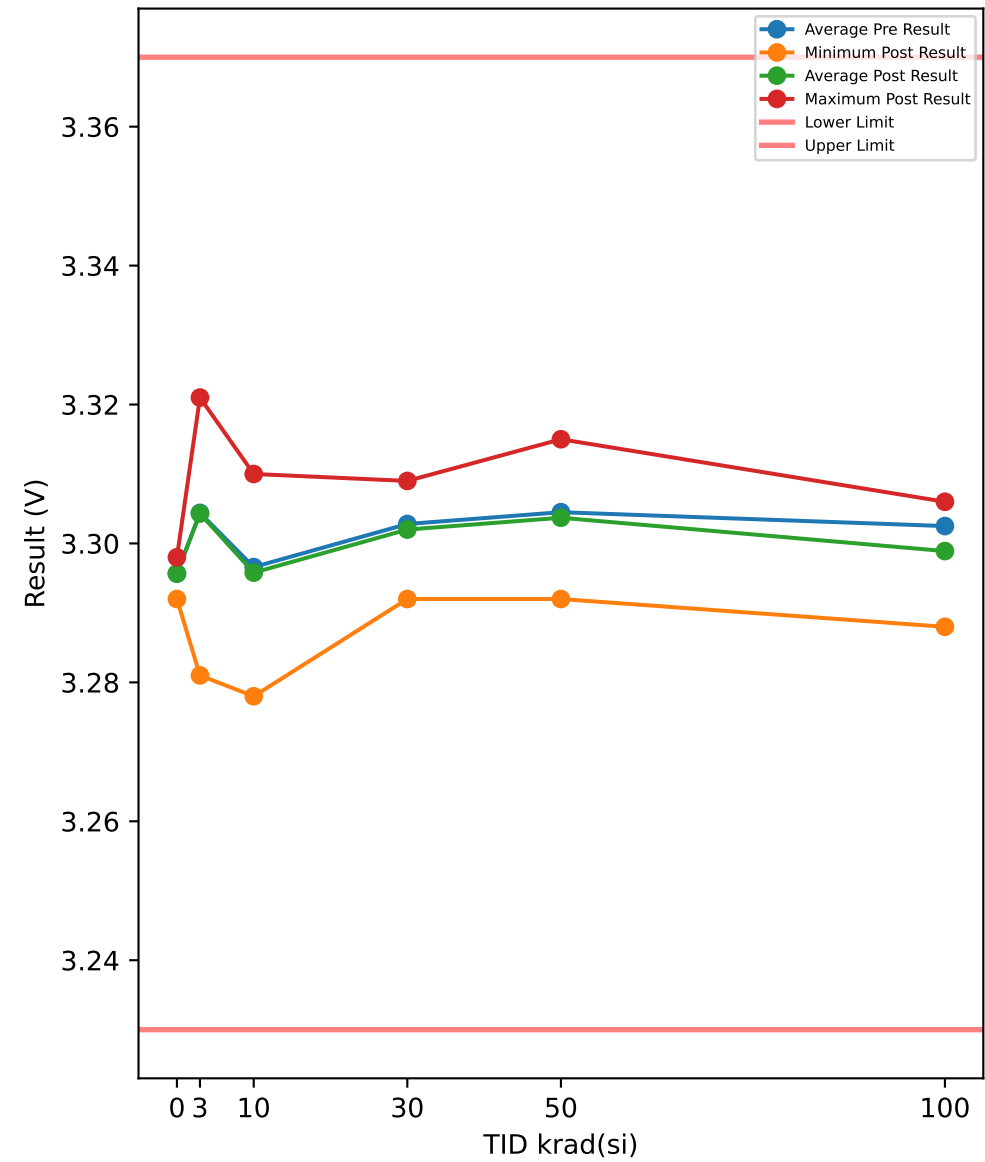
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 1.457      | 1.446       | -0.011 |
| 301      | 0        | Correlation         | 1.33       | 1.327       | -0.003 |
| 302      | 0        | Correlation         | 1.424      | 1.421       | -0.003 |
| 303      | 3        | Bias                | 1.453      | 1.456       | 0.003  |
| 304      | 3        | Bias                | 1.487      | 1.478       | -0.009 |
| 305      | 3        | Bias                | 1.522      | 1.514       | -0.008 |
| 306      | 3        | Bias                | 1.421      | 1.437       | 0.016  |
| 307      | 3        | Bias                | 1.495      | 1.494       | -0.001 |
| 308      | 3        | Unbiased            | 1.493      | 1.489       | -0.004 |
| 309      | 3        | Unbiased            | 1.424      | 1.424       | 0      |
| 310      | 3        | Unbiased            | 1.452      | 1.453       | 0.001  |
| 311      | 3        | Unbiased            | 1.446      | 1.444       | -0.002 |
| 312      | 3        | Unbiased            | 1.449      | 1.459       | 0.01   |
| 313      | 10       | Bias                | 1.413      | 1.423       | 0.01   |
| 314      | 10       | Bias                | 1.517      | 1.517       | 0      |
| 315      | 10       | Bias                | 1.555      | 1.569       | 0.014  |
| 316      | 10       | Bias                | 1.442      | 1.439       | -0.003 |
| 317      | 10       | Bias                | 1.446      | 1.443       | -0.003 |
| 318      | 10       | Unbiased            | 1.485      | 1.488       | 0.003  |
| 319      | 10       | Unbiased            | 1.571      | 1.577       | 0.006  |
| 320      | 10       | Unbiased            | 1.45       | 1.528       | 0.078  |
| 321      | 10       | Unbiased            | 1.522      | 1.457       | -0.065 |
| 322      | 10       | Unbiased            | 1.486      | 1.488       | 0.002  |
| 323      | 30       | Bias                | 1.422      | 1.456       | 0.034  |
| 324      | 30       | Bias                | 1.448      | 1.425       | -0.023 |
| 325      | 30       | Bias                | 1.508      | 1.533       | 0.025  |
| 326      | 30       | Bias                | 1.537      | 1.564       | 0.027  |
| 327      | 30       | Bias                | 1.491      | 1.502       | 0.011  |
| 328      | 30       | Unbiased            | 1.468      | 1.495       | 0.027  |
| 329      | 30       | Unbiased            | 1.408      | 1.447       | 0.039  |
| 330      | 30       | Unbiased            | 1.419      | 1.451       | 0.032  |
| 331      | 30       | Unbiased            | 1.436      | 1.463       | 0.027  |
| 332      | 30       | Unbiased            | 1.51       | 1.52        | 0.01   |
| 333      | 50       | Bias                | 1.472      | 1.489       | 0.017  |
| 334      | 50       | Bias                | 1.496      | 1.514       | 0.018  |
| 335      | 50       | Bias                | 1.425      | 1.482       | 0.057  |
| 336      | 50       | Bias                | 1.483      | 1.486       | 0.003  |
| 337      | 50       | Bias                | 1.474      | 1.502       | 0.028  |
| 338      | 50       | Unbiased            | 1.445      | 1.467       | 0.022  |
| 339      | 50       | Unbiased            | 1.353      | 1.397       | 0.044  |
| 340      | 50       | Unbiased            | 1.455      | 1.506       | 0.051  |
| 341      | 50       | Unbiased            | 1.493      | 1.483       | -0.01  |
| 342      | 50       | Unbiased            | 1.439      | 1.461       | 0.022  |
| 343      | 100      | Bias                | 1.466      | 1.488       | 0.022  |
| 344      | 100      | Bias                | 1.51       | 1.558       | 0.048  |
| 345      | 100      | Bias                | 1.424      | 1.442       | 0.018  |
| 346      | 100      | Bias                | 1.43       | 1.494       | 0.064  |
| 347      | 100      | Bias                | 1.477      | 1.486       | 0.009  |
| 348      | 100      | Unbiased            | 1.43       | 1.49        | 0.06   |
| 349      | 100      | Unbiased            | 1.457      | 1.487       | 0.03   |
| 350      | 100      | Unbiased            | 1.408      | 1.445       | 0.037  |
| 351      | 100      | Unbiased            | 1.455      | 1.534       | 0.079  |
| 352      | 100      | Unbiased            | 1.395      | 1.439       | 0.044  |

Test Statistics (mA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 1.33             | 1.4037           | 1.457            | 0.065896         | 1.327             | 1.398             | 1.446             | 0.062746          | -0.011    | -0.0056667 | -0.003    | 0.0046188 |
| 3        | 1.421            | 1.4642           | 1.522            | 0.033263         | 1.424             | 1.4648            | 1.514             | 0.028193          | -0.009    | 0.0006     | 0.016     | 0.0076623 |
| 10       | 1.413            | 1.4887           | 1.571            | 0.051996         | 1.423             | 1.4929            | 1.577             | 0.054052          | -0.065    | 0.0042     | 0.078     | 0.034149  |
| 30       | 1.408            | 1.4647           | 1.537            | 0.044828         | 1.425             | 1.4856            | 1.564             | 0.044323          | -0.023    | 0.0209     | 0.039     | 0.017935  |
| 50       | 1.353            | 1.4535           | 1.496            | 0.042422         | 1.397             | 1.4787            | 1.514             | 0.033079          | -0.01     | 0.0252     | 0.057     | 0.020842  |
| 100      | 1.395            | 1.4452           | 1.51             | 0.03447          | 1.439             | 1.4863            | 1.558             | 0.038583          | 0.009     | 0.0411     | 0.079     | 0.022218  |

Device Test: 6.10 ; VLDO\_REG

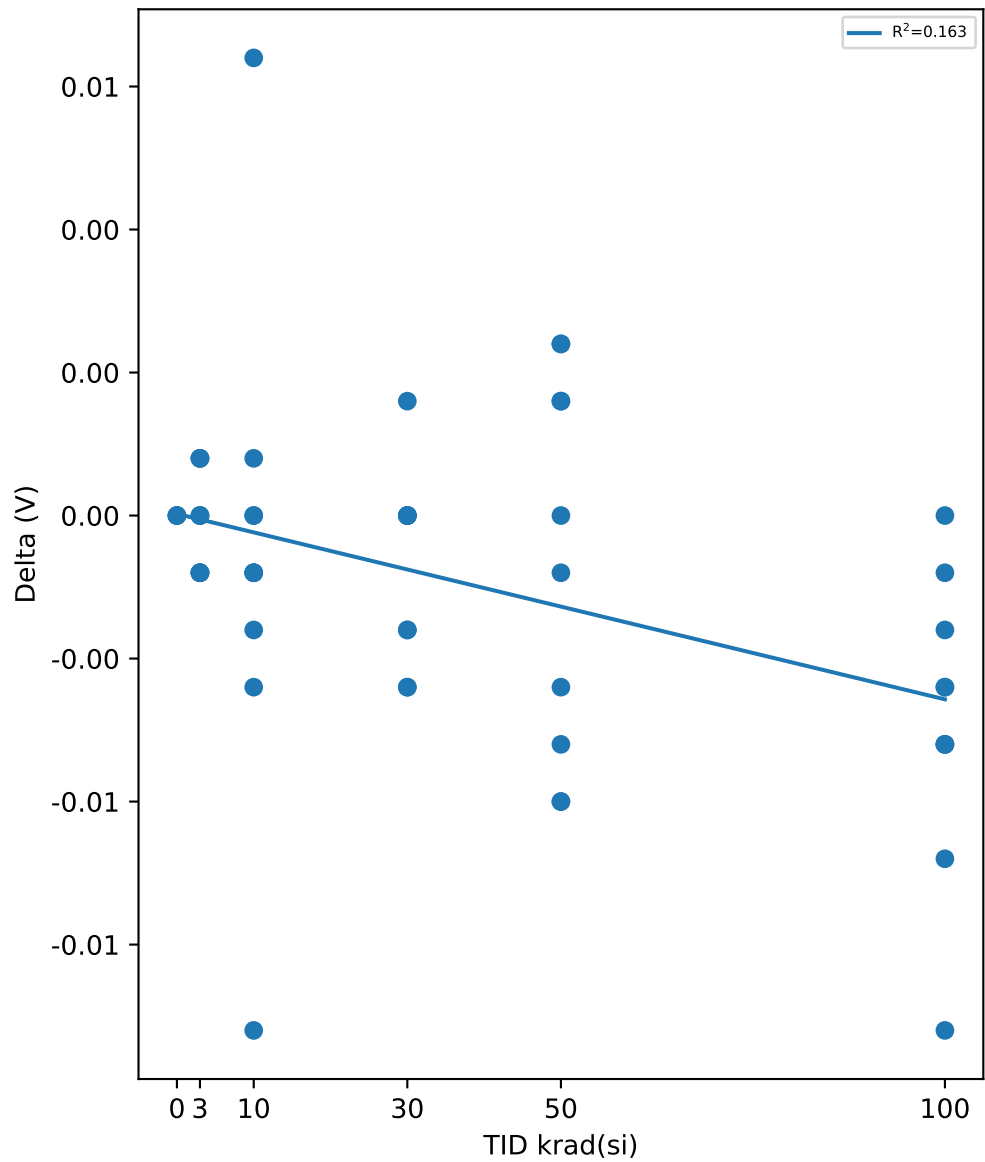
TID vs Result Stats



Test Results (Lower Limit = 3.23, Upper Limit = 3.37 (V))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 3.298      | 3.298       | 0      |
| 301      | 0        | Correlation         | 3.292      | 3.292       | 0      |
| 302      | 0        | Correlation         | 3.297      | 3.297       | 0      |
| 303      | 3        | Bias                | 3.28       | 3.281       | 0.001  |
| 304      | 3        | Bias                | 3.302      | 3.301       | -0.001 |
| 305      | 3        | Bias                | 3.305      | 3.305       | 0      |
| 306      | 3        | Bias                | 3.297      | 3.297       | 0      |
| 307      | 3        | Bias                | 3.322      | 3.321       | -0.001 |
| 308      | 3        | Unbiased            | 3.319      | 3.32        | 0.001  |
| 309      | 3        | Unbiased            | 3.301      | 3.302       | 0.001  |
| 310      | 3        | Unbiased            | 3.313      | 3.312       | -0.001 |
| 311      | 3        | Unbiased            | 3.293      | 3.293       | 0      |
| 312      | 3        | Unbiased            | 3.312      | 3.311       | -0.001 |
| 313      | 10       | Bias                | 3.307      | 3.307       | 0      |
| 314      | 10       | Bias                | 3.302      | 3.299       | -0.003 |
| 315      | 10       | Bias                | 3.294      | 3.294       | 0      |
| 316      | 10       | Bias                | 3.299      | 3.3         | 0.001  |
| 317      | 10       | Bias                | 3.298      | 3.297       | -0.001 |
| 318      | 10       | Unbiased            | 3.312      | 3.31        | -0.002 |
| 319      | 10       | Unbiased            | 3.294      | 3.293       | -0.001 |
| 320      | 10       | Unbiased            | 3.287      | 3.278       | -0.009 |
| 321      | 10       | Unbiased            | 3.278      | 3.286       | 0.008  |
| 322      | 10       | Unbiased            | 3.295      | 3.294       | -0.001 |
| 323      | 30       | Bias                | 3.304      | 3.302       | -0.002 |
| 324      | 30       | Bias                | 3.3        | 3.297       | -0.003 |
| 325      | 30       | Bias                | 3.304      | 3.304       | 0      |
| 326      | 30       | Bias                | 3.292      | 3.292       | 0      |
| 327      | 30       | Bias                | 3.306      | 3.306       | 0      |
| 328      | 30       | Unbiased            | 3.312      | 3.309       | -0.003 |
| 329      | 30       | Unbiased            | 3.304      | 3.304       | 0      |
| 330      | 30       | Unbiased            | 3.302      | 3.304       | 0.002  |
| 331      | 30       | Unbiased            | 3.309      | 3.307       | -0.002 |
| 332      | 30       | Unbiased            | 3.295      | 3.295       | 0      |
| 333      | 50       | Bias                | 3.297      | 3.292       | -0.005 |
| 334      | 50       | Bias                | 3.298      | 3.298       | 0      |
| 335      | 50       | Bias                | 3.3        | 3.299       | -0.001 |
| 336      | 50       | Bias                | 3.311      | 3.313       | 0.002  |
| 337      | 50       | Bias                | 3.306      | 3.303       | -0.003 |
| 338      | 50       | Unbiased            | 3.302      | 3.305       | 0.003  |
| 339      | 50       | Unbiased            | 3.319      | 3.315       | -0.004 |
| 340      | 50       | Unbiased            | 3.31       | 3.313       | 0.003  |
| 341      | 50       | Unbiased            | 3.302      | 3.297       | -0.005 |
| 342      | 50       | Unbiased            | 3.3        | 3.302       | 0.002  |
| 343      | 100      | Bias                | 3.309      | 3.306       | -0.003 |
| 344      | 100      | Bias                | 3.303      | 3.3         | -0.003 |
| 345      | 100      | Bias                | 3.305      | 3.301       | -0.004 |
| 346      | 100      | Bias                | 3.297      | 3.288       | -0.009 |
| 347      | 100      | Bias                | 3.292      | 3.288       | -0.004 |
| 348      | 100      | Unbiased            | 3.303      | 3.302       | -0.001 |
| 349      | 100      | Unbiased            | 3.303      | 3.297       | -0.006 |
| 350      | 100      | Unbiased            | 3.301      | 3.299       | -0.002 |
| 351      | 100      | Unbiased            | 3.309      | 3.305       | -0.004 |
| 352      | 100      | Unbiased            | 3.303      | 3.303       | 0      |

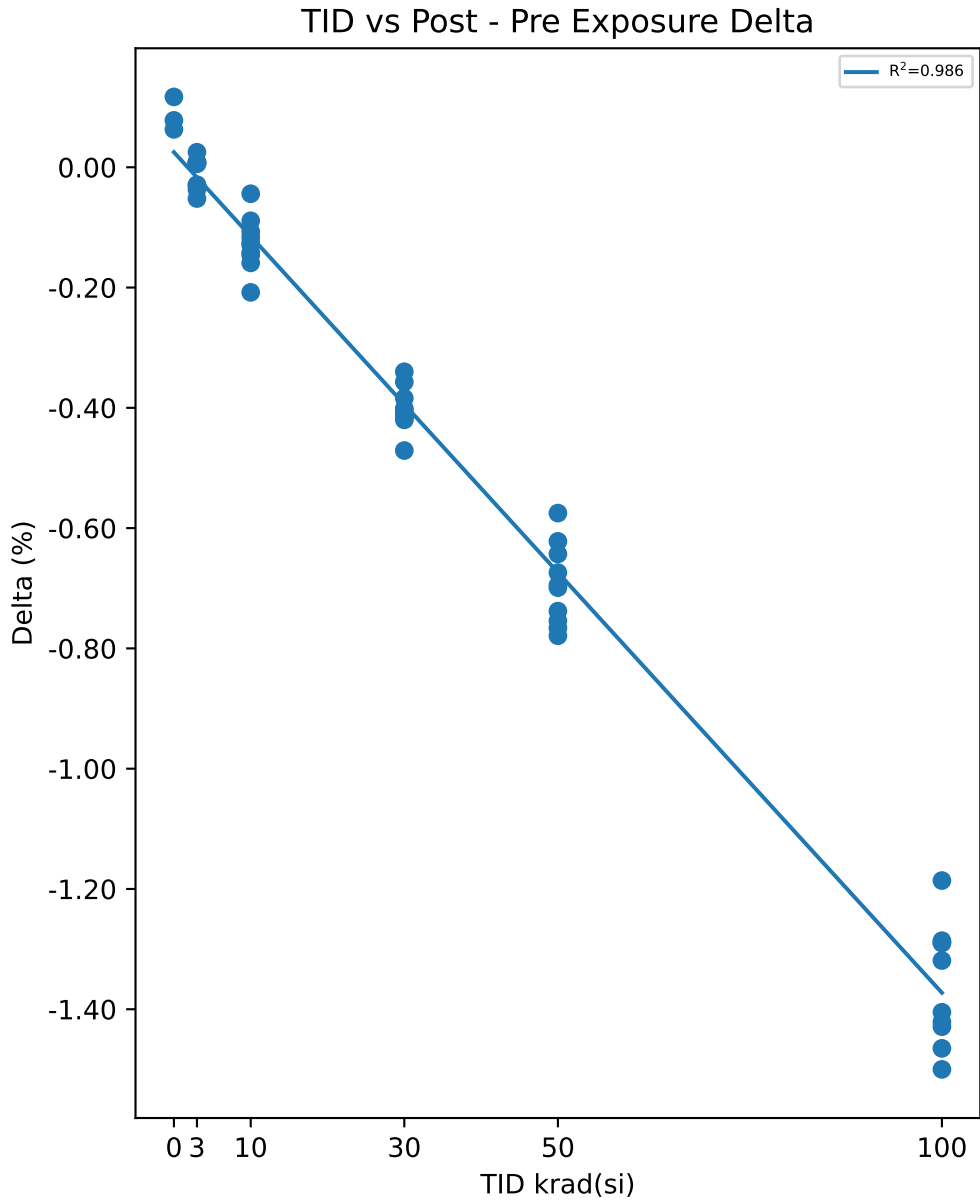
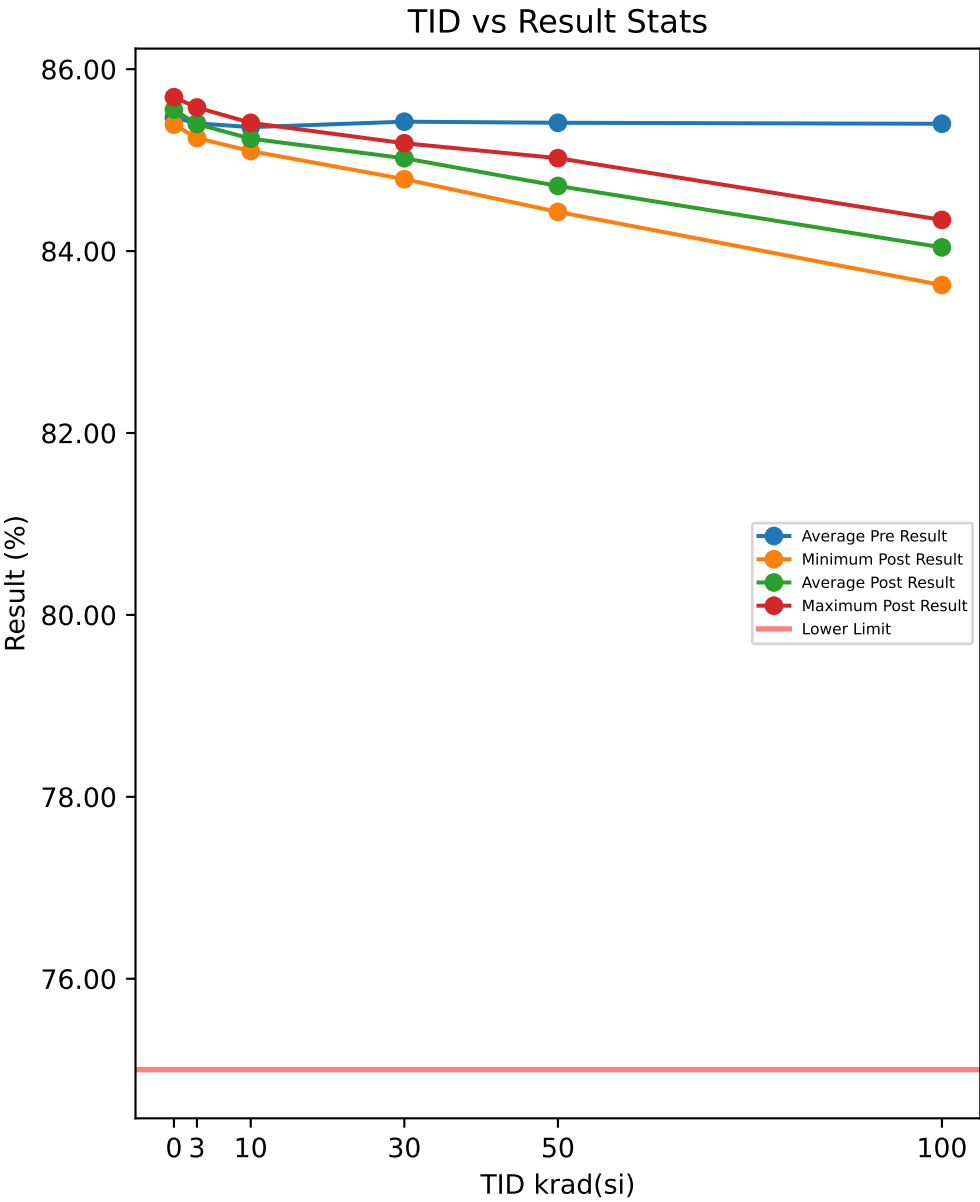
TID vs Post - Pre Exposure Delta



Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 3.292            | 3.2957           | 3.298            | 0.0032146        | 3.292             | 3.2957            | 3.298             | 0.0032146         | 0         | 0         | 0         | 0         |
| 3        | 3.28             | 3.3044           | 3.322            | 0.012703         | 3.281             | 3.3043            | 3.321             | 0.012338          | -0.001    | -0.0001   | 0.001     | 0.0008756 |
| 10       | 3.278            | 3.2966           | 3.312            | 0.0096402        | 3.278             | 3.2958            | 3.31              | 0.009331          | -0.009    | -0.0008   | 0.008     | 0.004158  |
| 30       | 3.292            | 3.3028           | 3.312            | 0.0059963        | 3.292             | 3.302             | 3.309             | 0.0055377         | -0.003    | -0.0008   | 0.002     | 0.0016193 |
| 50       | 3.297            | 3.3045           | 3.319            | 0.0069642        | 3.292             | 3.3037            | 3.315             | 0.007761          | -0.005    | -0.0008   | 0.003     | 0.0032592 |
| 100      | 3.292            | 3.3025           | 3.309            | 0.0051045        | 3.288             | 3.2989            | 3.306             | 0.0063325         | -0.009    | -0.0036   | 0         | 0.0025473 |

Device Test: 6.100; VOH\_PWRGD\_10MA



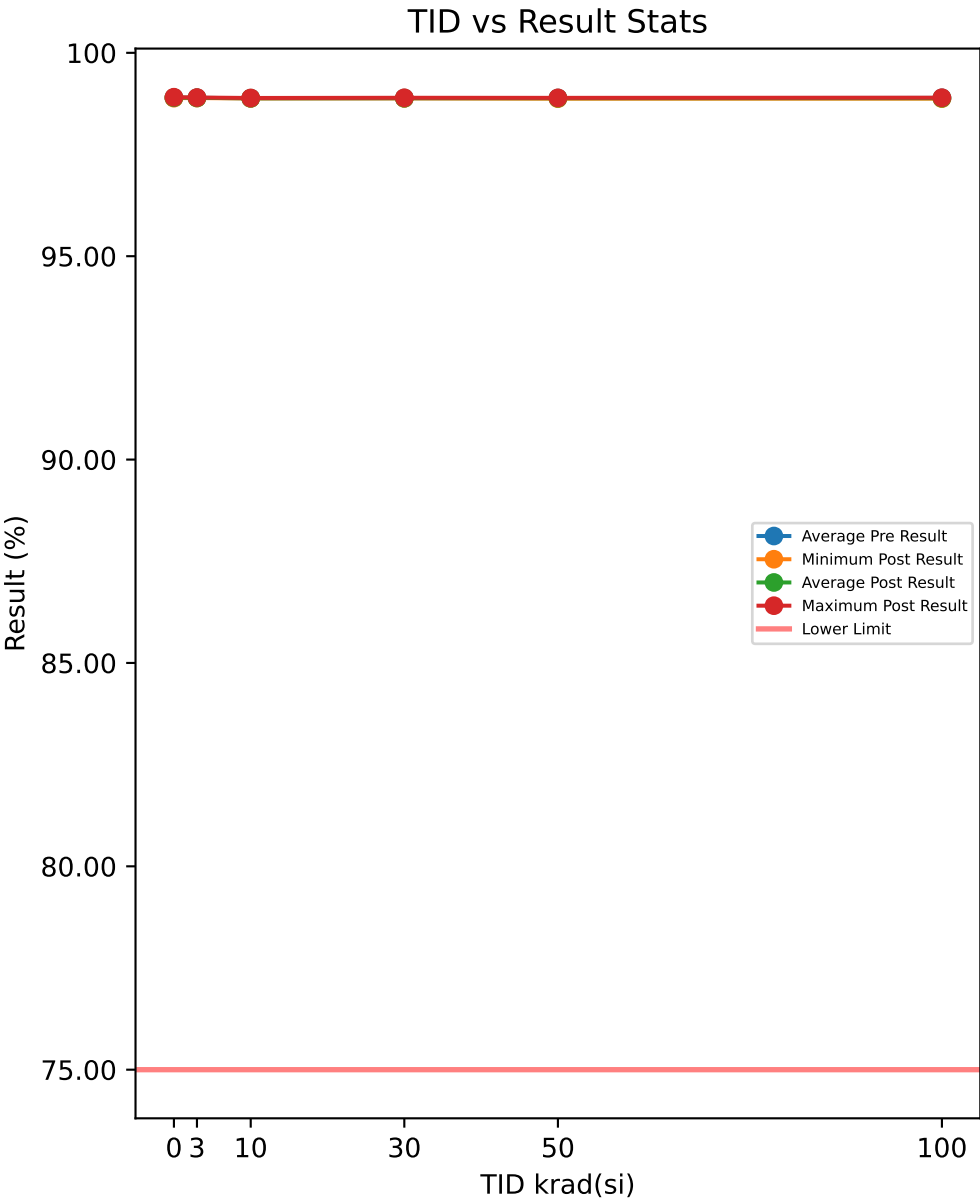
| Test Results (Lower Limit = 75.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 85.464     | 85.581      | 0.117  |
| 301                                   | 0        | Correlation         | 85.614     | 85.692      | 0.078  |
| 302                                   | 0        | Correlation         | 85.328     | 85.391      | 0.063  |
| 303                                   | 3        | Bias                | 85.261     | 85.286      | 0.025  |
| 304                                   | 3        | Bias                | 85.296     | 85.302      | 0.006  |
| 305                                   | 3        | Bias                | 85.486     | 85.495      | 0.009  |
| 306                                   | 3        | Bias                | 85.435     | 85.443      | 0.008  |
| 307                                   | 3        | Bias                | 85.235     | 85.243      | 0.008  |
| 308                                   | 3        | Unbiased            | 85.399     | 85.405      | 0.006  |
| 309                                   | 3        | Unbiased            | 85.383     | 85.346      | -0.037 |
| 310                                   | 3        | Unbiased            | 85.356     | 85.304      | -0.052 |
| 311                                   | 3        | Unbiased            | 85.609     | 85.579      | -0.03  |
| 312                                   | 3        | Unbiased            | 85.59      | 85.561      | -0.029 |
| 313                                   | 10       | Bias                | 85.469     | 85.344      | -0.125 |
| 314                                   | 10       | Bias                | 85.434     | 85.305      | -0.129 |
| 315                                   | 10       | Bias                | 85.259     | 85.1        | -0.159 |
| 316                                   | 10       | Bias                | 85.552     | 85.41       | -0.142 |
| 317                                   | 10       | Bias                | 85.327     | 85.181      | -0.146 |
| 318                                   | 10       | Unbiased            | 85.367     | 85.26       | -0.107 |
| 319                                   | 10       | Unbiased            | 85.33      | 85.241      | -0.089 |
| 320                                   | 10       | Unbiased            | 85.265     | 85.221      | -0.044 |
| 321                                   | 10       | Unbiased            | 85.348     | 85.14       | -0.208 |
| 322                                   | 10       | Unbiased            | 85.276     | 85.16       | -0.116 |
| 323                                   | 30       | Bias                | 85.386     | 84.982      | -0.404 |
| 324                                   | 30       | Bias                | 85.526     | 85.142      | -0.384 |
| 325                                   | 30       | Bias                | 85.262     | 84.791      | -0.471 |
| 326                                   | 30       | Bias                | 85.55      | 85.139      | -0.411 |
| 327                                   | 30       | Bias                | 85.418     | 85.004      | -0.414 |
| 328                                   | 30       | Unbiased            | 85.436     | 85.079      | -0.357 |
| 329                                   | 30       | Unbiased            | 85.412     | 85.072      | -0.34  |
| 330                                   | 30       | Unbiased            | 85.587     | 85.186      | -0.401 |
| 331                                   | 30       | Unbiased            | 85.369     | 84.953      | -0.416 |
| 332                                   | 30       | Unbiased            | 85.282     | 84.862      | -0.42  |
| 333                                   | 50       | Bias                | 85.644     | 85.022      | -0.622 |
| 334                                   | 50       | Bias                | 85.264     | 84.59       | -0.674 |
| 335                                   | 50       | Bias                | 85.301     | 84.522      | -0.779 |
| 336                                   | 50       | Bias                | 85.409     | 84.643      | -0.766 |
| 337                                   | 50       | Bias                | 85.185     | 84.431      | -0.754 |
| 338                                   | 50       | Unbiased            | 85.576     | 85.001      | -0.575 |
| 339                                   | 50       | Unbiased            | 85.476     | 84.833      | -0.643 |
| 340                                   | 50       | Unbiased            | 85.342     | 84.604      | -0.738 |
| 341                                   | 50       | Unbiased            | 85.515     | 84.82       | -0.695 |
| 342                                   | 50       | Unbiased            | 85.398     | 84.699      | -0.699 |
| 343                                   | 100      | Bias                | 85.475     | 84.189      | -1.286 |
| 344                                   | 100      | Bias                | 85.427     | 84.138      | -1.289 |
| 345                                   | 100      | Bias                | 85.491     | 84.062      | -1.429 |
| 346                                   | 100      | Bias                | 85.127     | 83.627      | -1.5   |
| 347                                   | 100      | Bias                | 85.363     | 83.958      | -1.405 |
| 348                                   | 100      | Unbiased            | 85.327     | 84.037      | -1.29  |
| 349                                   | 100      | Unbiased            | 85.492     | 84.306      | -1.186 |
| 350                                   | 100      | Unbiased            | 85.388     | 83.967      | -1.421 |
| 351                                   | 100      | Unbiased            | 85.246     | 83.781      | -1.465 |
| 352                                   | 100      | Unbiased            | 85.662     | 84.343      | -1.319 |

Test Statistics (%)

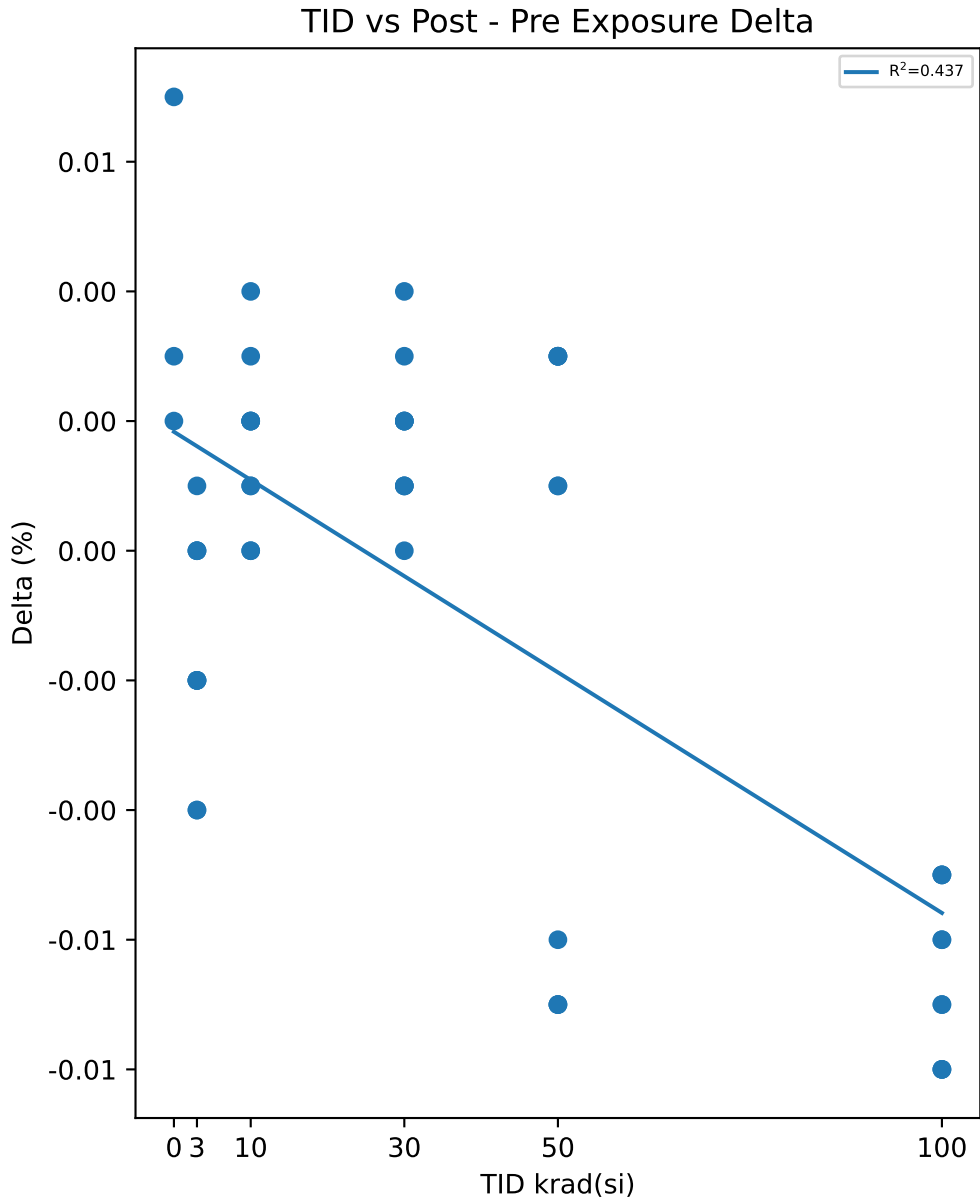
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 85.328           | 85.469           | 85.614           | 0.14306          | 85.391            | 85.555            | 85.692            | 0.15222           | 0.063     | 0.086     | 0.117     | 0.027875  |
| 3        | 85.235           | 85.405           | 85.609           | 0.12812          | 85.243            | 85.396            | 85.579            | 0.11931           | -0.052    | -0.0086   | 0.025     | 0.025778  |
| 10       | 85.259           | 85.363           | 85.552           | 0.095808         | 85.1              | 85.236            | 85.41             | 0.096632          | -0.208    | -0.1265   | -0.044    | 0.0435    |
| 30       | 85.262           | 85.423           | 85.587           | 0.10752          | 84.791            | 85.021            | 85.186            | 0.12753           | -0.471    | -0.4018   | -0.34     | 0.036061  |
| 50       | 85.185           | 85.411           | 85.644           | 0.14386          | 84.431            | 84.716            | 85.022            | 0.19784           | -0.779    | -0.6945   | -0.575    | 0.066928  |
| 100      | 85.127           | 85.4             | 85.662           | 0.14788          | 83.627            | 84.041            | 84.343            | 0.22225           | -1.5      | -1.359    | -1.186    | 0.099161  |



Device Test: 6.101; VOH\_RESET\_10MA



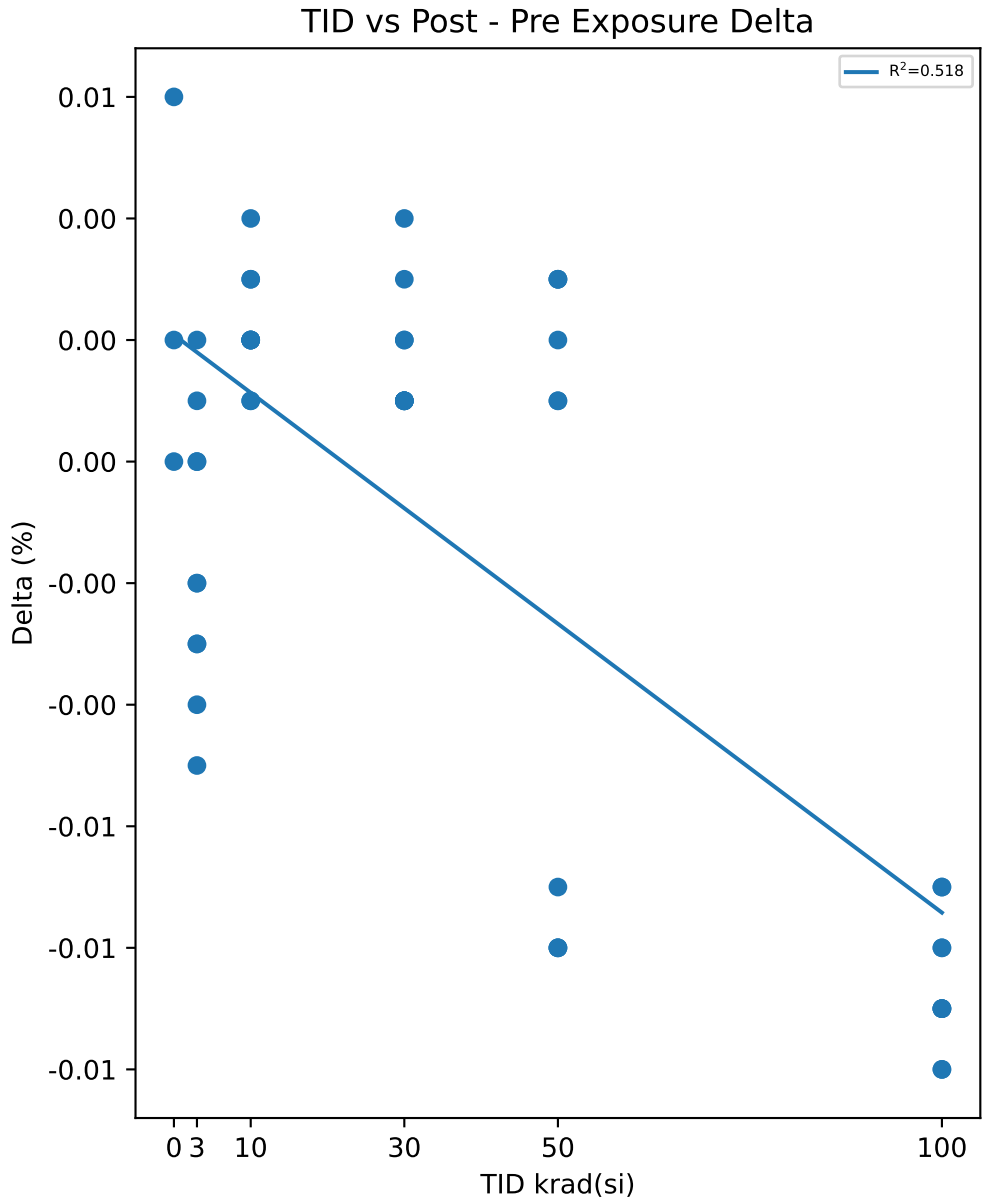
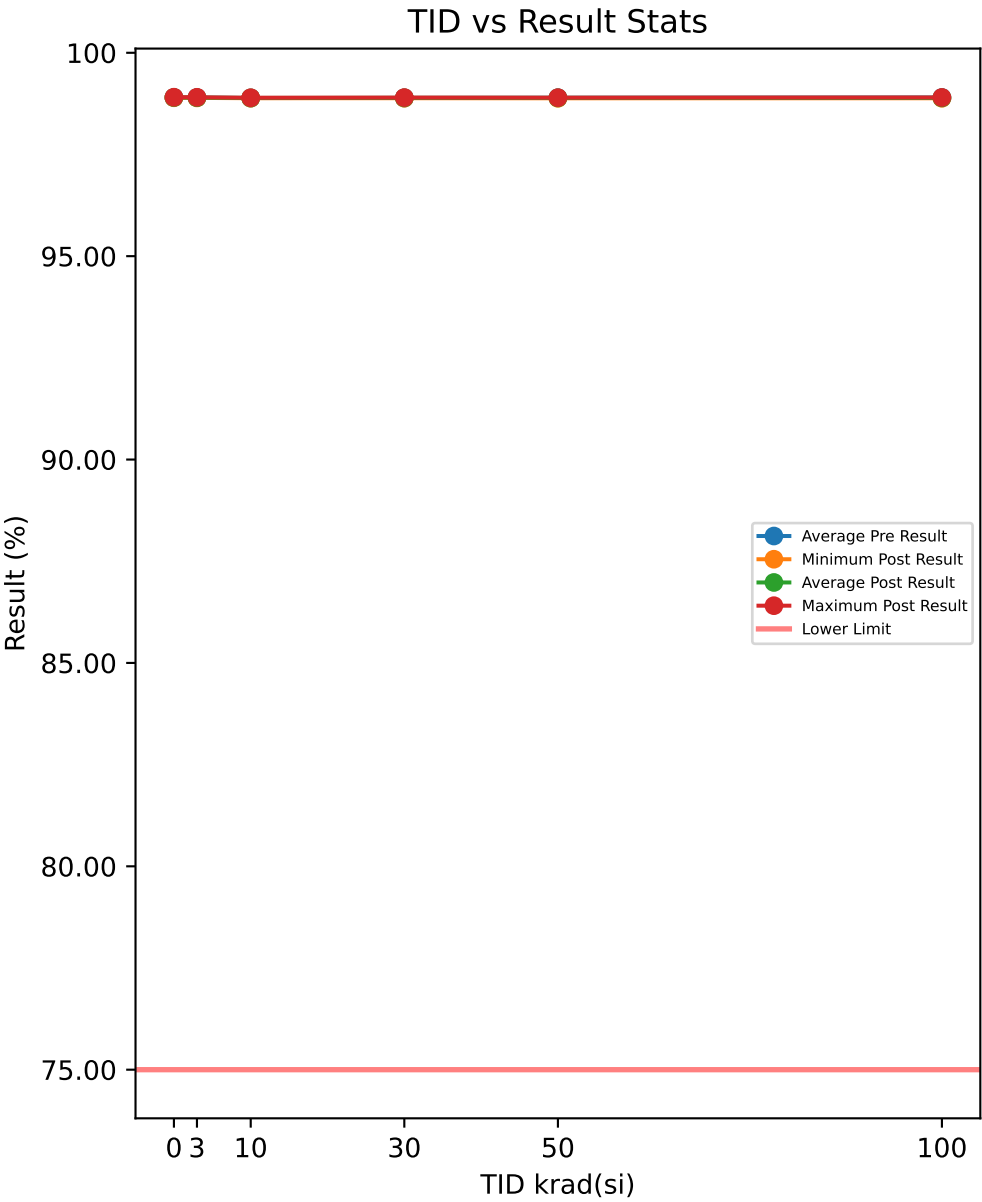
| Test Results (Lower Limit = 75.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 98.893     | 98.9        | 0.007  |
| 301                                   | 0        | Correlation         | 98.906     | 98.909      | 0.003  |
| 302                                   | 0        | Correlation         | 98.884     | 98.886      | 0.002  |
| 303                                   | 3        | Bias                | 98.899     | 98.897      | -0.002 |
| 304                                   | 3        | Bias                | 98.891     | 98.889      | -0.002 |
| 305                                   | 3        | Bias                | 98.892     | 98.89       | -0.002 |
| 306                                   | 3        | Bias                | 98.895     | 98.891      | -0.004 |
| 307                                   | 3        | Bias                | 98.89      | 98.888      | -0.002 |
| 308                                   | 3        | Unbiased            | 98.893     | 98.889      | -0.004 |
| 309                                   | 3        | Unbiased            | 98.89      | 98.89       | 0      |
| 310                                   | 3        | Unbiased            | 98.889     | 98.889      | 0      |
| 311                                   | 3        | Unbiased            | 98.9       | 98.901      | 0.001  |
| 312                                   | 3        | Unbiased            | 98.9       | 98.9        | 0      |
| 313                                   | 10       | Bias                | 98.885     | 98.886      | 0.001  |
| 314                                   | 10       | Bias                | 98.88      | 98.882      | 0.002  |
| 315                                   | 10       | Bias                | 98.876     | 98.878      | 0.002  |
| 316                                   | 10       | Bias                | 98.882     | 98.883      | 0.001  |
| 317                                   | 10       | Bias                | 98.879     | 98.881      | 0.002  |
| 318                                   | 10       | Unbiased            | 98.885     | 98.885      | 0      |
| 319                                   | 10       | Unbiased            | 98.888     | 98.89       | 0.002  |
| 320                                   | 10       | Unbiased            | 98.884     | 98.888      | 0.004  |
| 321                                   | 10       | Unbiased            | 98.885     | 98.885      | 0      |
| 322                                   | 10       | Unbiased            | 98.884     | 98.887      | 0.003  |
| 323                                   | 30       | Bias                | 98.883     | 98.885      | 0.002  |
| 324                                   | 30       | Bias                | 98.884     | 98.886      | 0.002  |
| 325                                   | 30       | Bias                | 98.876     | 98.879      | 0.003  |
| 326                                   | 30       | Bias                | 98.891     | 98.895      | 0.004  |
| 327                                   | 30       | Bias                | 98.884     | 98.886      | 0.002  |
| 328                                   | 30       | Unbiased            | 98.886     | 98.887      | 0.001  |
| 329                                   | 30       | Unbiased            | 98.885     | 98.887      | 0.002  |
| 330                                   | 30       | Unbiased            | 98.883     | 98.884      | 0.001  |
| 331                                   | 30       | Unbiased            | 98.887     | 98.888      | 0.001  |
| 332                                   | 30       | Unbiased            | 98.885     | 98.885      | 0      |
| 333                                   | 50       | Bias                | 98.884     | 98.887      | 0.003  |
| 334                                   | 50       | Bias                | 98.875     | 98.878      | 0.003  |
| 335                                   | 50       | Bias                | 98.891     | 98.892      | 0.001  |
| 336                                   | 50       | Bias                | 98.891     | 98.892      | 0.001  |
| 337                                   | 50       | Bias                | 98.869     | 98.872      | 0.003  |
| 338                                   | 50       | Unbiased            | 98.886     | 98.889      | 0.003  |
| 339                                   | 50       | Unbiased            | 98.894     | 98.887      | -0.007 |
| 340                                   | 50       | Unbiased            | 98.887     | 98.88       | -0.007 |
| 341                                   | 50       | Unbiased            | 98.899     | 98.893      | -0.006 |
| 342                                   | 50       | Unbiased            | 98.891     | 98.884      | -0.007 |
| 343                                   | 100      | Bias                | 98.895     | 98.888      | -0.007 |
| 344                                   | 100      | Bias                | 98.89      | 98.885      | -0.005 |
| 345                                   | 100      | Bias                | 98.896     | 98.89       | -0.006 |
| 346                                   | 100      | Bias                | 98.883     | 98.878      | -0.005 |
| 347                                   | 100      | Bias                | 98.888     | 98.883      | -0.005 |
| 348                                   | 100      | Unbiased            | 98.896     | 98.888      | -0.008 |
| 349                                   | 100      | Unbiased            | 98.889     | 98.881      | -0.008 |
| 350                                   | 100      | Unbiased            | 98.894     | 98.888      | -0.006 |
| 351                                   | 100      | Unbiased            | 98.881     | 98.873      | -0.008 |
| 352                                   | 100      | Unbiased            | 98.904     | 98.897      | -0.007 |



Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 98.884           | 98.894           | 98.906           | 0.01106          | 98.886            | 98.898            | 98.909            | 0.01159           | 0.002     | 0.004     | 0.007     | 0.0026458 |
| 3        | 98.889           | 98.894           | 98.9             | 0.0043321        | 98.888            | 98.892            | 98.901            | 0.0049486         | -0.004    | -0.0015   | 0.001     | 0.0017159 |
| 10       | 98.876           | 98.883           | 98.888           | 0.0035528        | 98.878            | 98.885            | 98.89             | 0.0035668         | 0         | 0.0017    | 0.004     | 0.0012517 |
| 30       | 98.876           | 98.884           | 98.891           | 0.0037771        | 98.879            | 98.886            | 98.895            | 0.0039665         | 0         | 0.0018    | 0.004     | 0.0011353 |
| 50       | 98.869           | 98.887           | 98.899           | 0.0089325        | 98.872            | 98.885            | 98.893            | 0.0068993         | -0.007    | -0.0013   | 0.003     | 0.0047621 |
| 100      | 98.881           | 98.892           | 98.904           | 0.0068183        | 98.873            | 98.885            | 98.897            | 0.0067404         | -0.008    | -0.0065   | -0.005    | 0.0012693 |

Device Test: 6.102; VOH\_RESET\_10MA

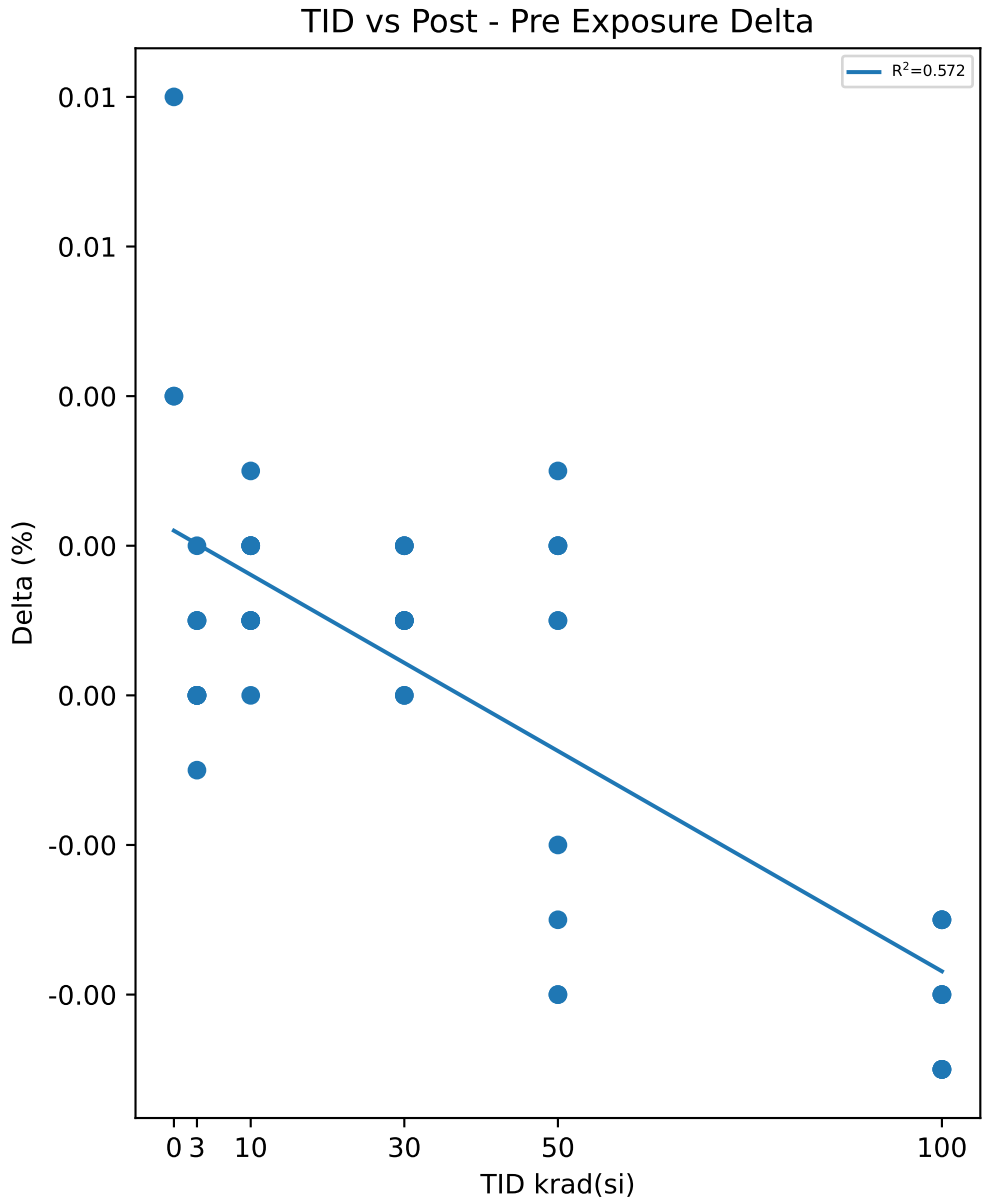
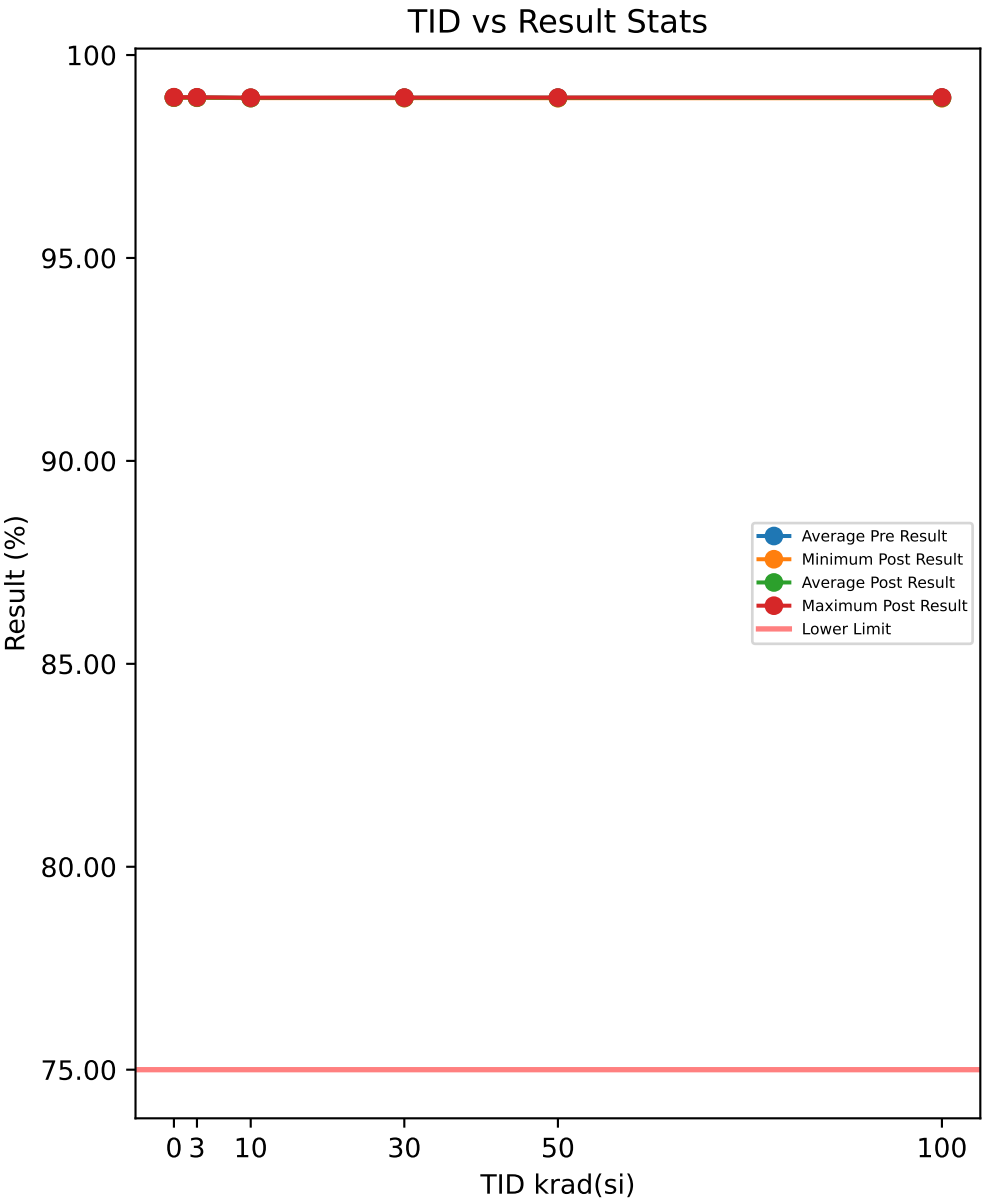


| Test Results (Lower Limit = 75.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 98.897     | 98.903      | 0.006  |
| 301                                   | 0        | Correlation         | 98.906     | 98.908      | 0.002  |
| 302                                   | 0        | Correlation         | 98.894     | 98.894      | 0      |
| 303                                   | 3        | Bias                | 98.902     | 98.9        | -0.002 |
| 304                                   | 3        | Bias                | 98.894     | 98.891      | -0.003 |
| 305                                   | 3        | Bias                | 98.897     | 98.894      | -0.003 |
| 306                                   | 3        | Bias                | 98.901     | 98.896      | -0.005 |
| 307                                   | 3        | Bias                | 98.896     | 98.894      | -0.002 |
| 308                                   | 3        | Unbiased            | 98.899     | 98.895      | -0.004 |
| 309                                   | 3        | Unbiased            | 98.895     | 98.895      | 0      |
| 310                                   | 3        | Unbiased            | 98.893     | 98.893      | 0      |
| 311                                   | 3        | Unbiased            | 98.904     | 98.906      | 0.002  |
| 312                                   | 3        | Unbiased            | 98.903     | 98.904      | 0.001  |
| 313                                   | 10       | Bias                | 98.889     | 98.891      | 0.002  |
| 314                                   | 10       | Bias                | 98.886     | 98.888      | 0.002  |
| 315                                   | 10       | Bias                | 98.882     | 98.883      | 0.001  |
| 316                                   | 10       | Bias                | 98.886     | 98.888      | 0.002  |
| 317                                   | 10       | Bias                | 98.886     | 98.888      | 0.002  |
| 318                                   | 10       | Unbiased            | 98.893     | 98.895      | 0.002  |
| 319                                   | 10       | Unbiased            | 98.886     | 98.889      | 0.003  |
| 320                                   | 10       | Unbiased            | 98.89      | 98.894      | 0.004  |
| 321                                   | 10       | Unbiased            | 98.891     | 98.892      | 0.001  |
| 322                                   | 10       | Unbiased            | 98.884     | 98.887      | 0.003  |
| 323                                   | 30       | Bias                | 98.892     | 98.893      | 0.001  |
| 324                                   | 30       | Bias                | 98.888     | 98.889      | 0.001  |
| 325                                   | 30       | Bias                | 98.885     | 98.888      | 0.003  |
| 326                                   | 30       | Bias                | 98.895     | 98.899      | 0.004  |
| 327                                   | 30       | Bias                | 98.882     | 98.883      | 0.001  |
| 328                                   | 30       | Unbiased            | 98.892     | 98.893      | 0.001  |
| 329                                   | 30       | Unbiased            | 98.888     | 98.89       | 0.002  |
| 330                                   | 30       | Unbiased            | 98.889     | 98.891      | 0.002  |
| 331                                   | 30       | Unbiased            | 98.895     | 98.896      | 0.001  |
| 332                                   | 30       | Unbiased            | 98.892     | 98.893      | 0.001  |
| 333                                   | 50       | Bias                | 98.892     | 98.895      | 0.003  |
| 334                                   | 50       | Bias                | 98.886     | 98.888      | 0.002  |
| 335                                   | 50       | Bias                | 98.896     | 98.897      | 0.001  |
| 336                                   | 50       | Bias                | 98.895     | 98.896      | 0.001  |
| 337                                   | 50       | Bias                | 98.878     | 98.881      | 0.003  |
| 338                                   | 50       | Unbiased            | 98.894     | 98.897      | 0.003  |
| 339                                   | 50       | Unbiased            | 98.899     | 98.891      | -0.008 |
| 340                                   | 50       | Unbiased            | 98.9       | 98.892      | -0.008 |
| 341                                   | 50       | Unbiased            | 98.9       | 98.893      | -0.007 |
| 342                                   | 50       | Unbiased            | 98.895     | 98.887      | -0.008 |
| 343                                   | 100      | Bias                | 98.904     | 98.895      | -0.009 |
| 344                                   | 100      | Bias                | 98.901     | 98.893      | -0.008 |
| 345                                   | 100      | Bias                | 98.901     | 98.892      | -0.009 |
| 346                                   | 100      | Bias                | 98.891     | 98.882      | -0.009 |
| 347                                   | 100      | Bias                | 98.898     | 98.891      | -0.007 |
| 348                                   | 100      | Unbiased            | 98.903     | 98.894      | -0.009 |
| 349                                   | 100      | Unbiased            | 98.897     | 98.887      | -0.01  |
| 350                                   | 100      | Unbiased            | 98.9       | 98.893      | -0.007 |
| 351                                   | 100      | Unbiased            | 98.894     | 98.884      | -0.01  |
| 352                                   | 100      | Unbiased            | 98.91      | 98.902      | -0.008 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| 0        | 98.894           | 98.899           | 98.906           | 0.006245         | 98.894            | 98.902            | 98.908            | 0.0070946         | 0         | 0.0026667 | 0.006     | 0.0030551  |
| 3        | 98.893           | 98.898           | 98.904           | 0.0039497        | 98.891            | 98.897            | 98.906            | 0.0049171         | -0.005    | -0.0016   | 0.002     | 0.0022706  |
| 10       | 98.882           | 98.887           | 98.893           | 0.0033682        | 98.883            | 98.889            | 98.895            | 0.0035668         | 0.001     | 0.0022    | 0.004     | 0.00091894 |
| 30       | 98.882           | 98.89            | 98.895           | 0.0042111        | 98.883            | 98.891            | 98.899            | 0.0044284         | 0.001     | 0.0017    | 0.004     | 0.0010593  |
| 50       | 98.878           | 98.893           | 98.9             | 0.0068678        | 98.881            | 98.892            | 98.897            | 0.0051435         | -0.008    | -0.0018   | 0.003     | 0.0051812  |
| 100      | 98.891           | 98.9             | 98.91            | 0.0053427        | 98.882            | 98.891            | 98.902            | 0.0057745         | -0.01     | -0.0086   | -0.007    | 0.001075   |

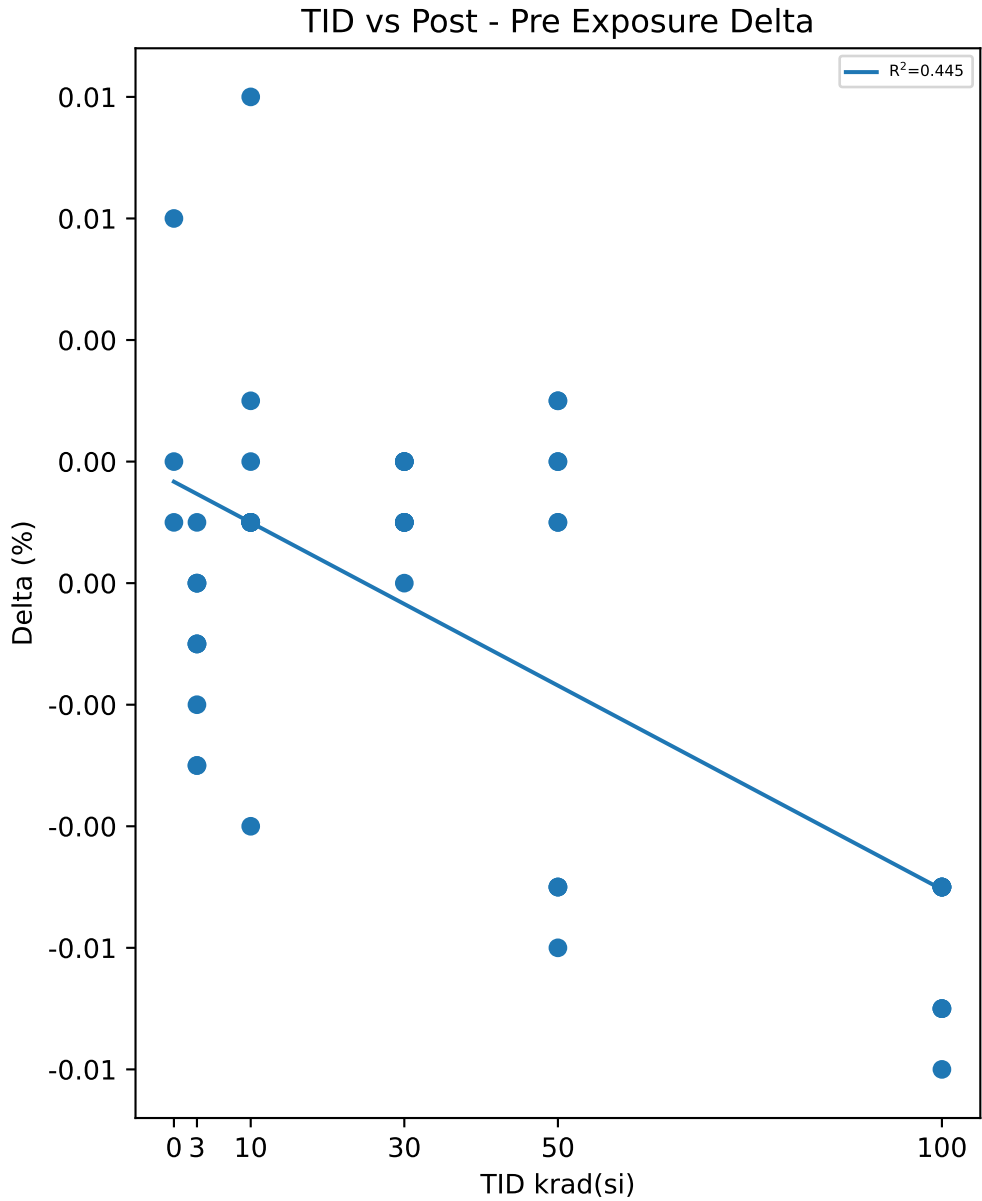
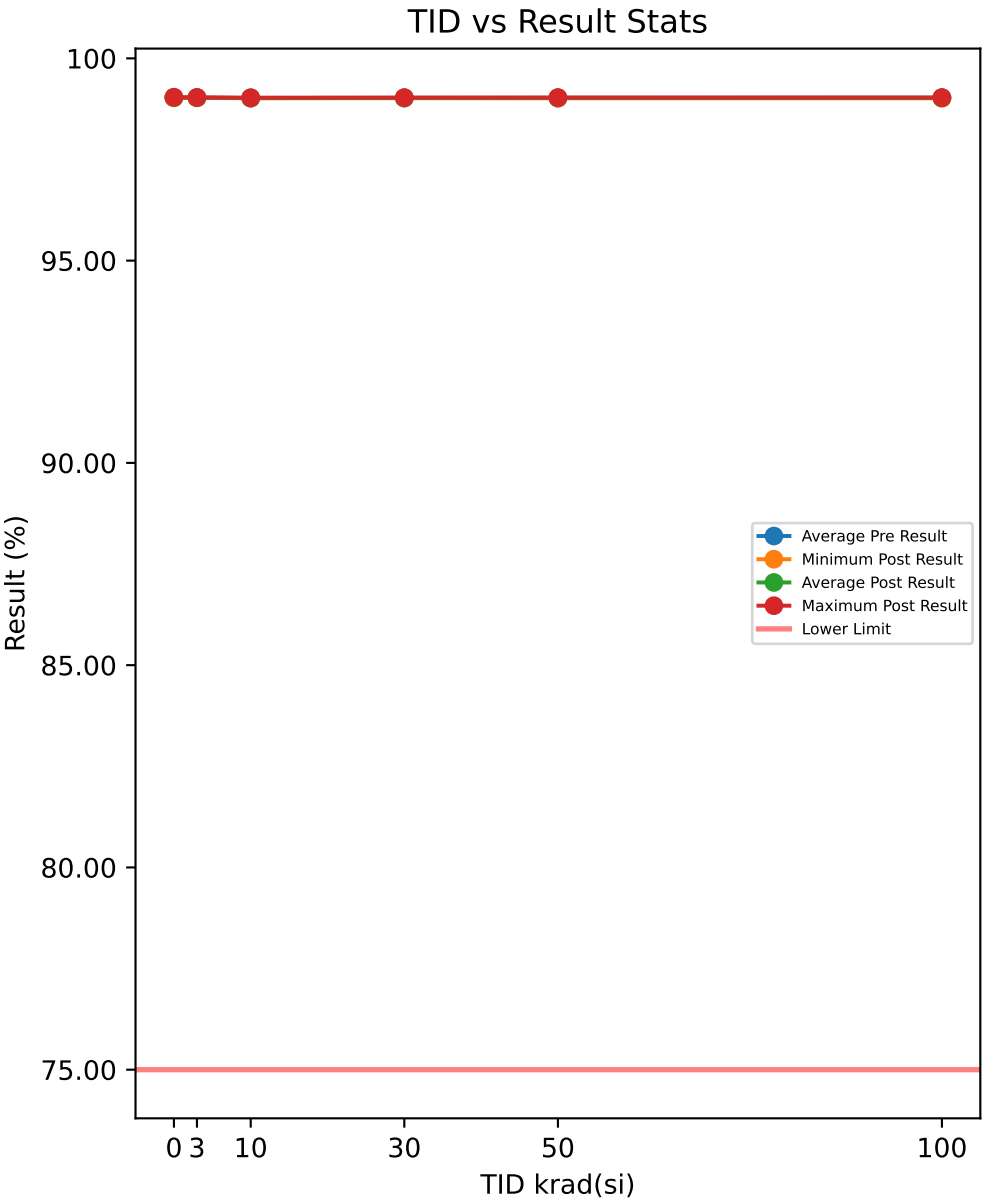
Device Test: 6.103; VOH\_RESET\_10MA



| Test Results (Lower Limit = 75.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 98.95      | 98.958      | 0.008  |
| 301                                   | 0        | Correlation         | 98.957     | 98.961      | 0.004  |
| 302                                   | 0        | Correlation         | 98.945     | 98.949      | 0.004  |
| 303                                   | 3        | Bias                | 98.957     | 98.959      | 0.002  |
| 304                                   | 3        | Bias                | 98.948     | 98.948      | 0      |
| 305                                   | 3        | Bias                | 98.953     | 98.954      | 0.001  |
| 306                                   | 3        | Bias                | 98.948     | 98.948      | 0      |
| 307                                   | 3        | Bias                | 98.951     | 98.952      | 0.001  |
| 308                                   | 3        | Unbiased            | 98.95      | 98.95       | 0      |
| 309                                   | 3        | Unbiased            | 98.948     | 98.948      | 0      |
| 310                                   | 3        | Unbiased            | 98.948     | 98.947      | -0.001 |
| 311                                   | 3        | Unbiased            | 98.956     | 98.957      | 0.001  |
| 312                                   | 3        | Unbiased            | 98.957     | 98.957      | 0      |
| 313                                   | 10       | Bias                | 98.945     | 98.945      | 0      |
| 314                                   | 10       | Bias                | 98.943     | 98.944      | 0.001  |
| 315                                   | 10       | Bias                | 98.937     | 98.938      | 0.001  |
| 316                                   | 10       | Bias                | 98.939     | 98.941      | 0.002  |
| 317                                   | 10       | Bias                | 98.941     | 98.942      | 0.001  |
| 318                                   | 10       | Unbiased            | 98.949     | 98.95       | 0.001  |
| 319                                   | 10       | Unbiased            | 98.941     | 98.943      | 0.002  |
| 320                                   | 10       | Unbiased            | 98.94      | 98.942      | 0.002  |
| 321                                   | 10       | Unbiased            | 98.94      | 98.942      | 0.002  |
| 322                                   | 10       | Unbiased            | 98.938     | 98.941      | 0.003  |
| 323                                   | 30       | Bias                | 98.949     | 98.95       | 0.001  |
| 324                                   | 30       | Bias                | 98.94      | 98.942      | 0.002  |
| 325                                   | 30       | Bias                | 98.94      | 98.942      | 0.002  |
| 326                                   | 30       | Bias                | 98.95      | 98.952      | 0.002  |
| 327                                   | 30       | Bias                | 98.937     | 98.938      | 0.001  |
| 328                                   | 30       | Unbiased            | 98.948     | 98.948      | 0      |
| 329                                   | 30       | Unbiased            | 98.946     | 98.947      | 0.001  |
| 330                                   | 30       | Unbiased            | 98.948     | 98.949      | 0.001  |
| 331                                   | 30       | Unbiased            | 98.947     | 98.948      | 0.001  |
| 332                                   | 30       | Unbiased            | 98.947     | 98.947      | 0      |
| 333                                   | 50       | Bias                | 98.947     | 98.95       | 0.003  |
| 334                                   | 50       | Bias                | 98.938     | 98.94       | 0.002  |
| 335                                   | 50       | Bias                | 98.947     | 98.948      | 0.001  |
| 336                                   | 50       | Bias                | 98.952     | 98.953      | 0.001  |
| 337                                   | 50       | Bias                | 98.934     | 98.936      | 0.002  |
| 338                                   | 50       | Unbiased            | 98.945     | 98.947      | 0.002  |
| 339                                   | 50       | Unbiased            | 98.95      | 98.946      | -0.004 |
| 340                                   | 50       | Unbiased            | 98.95      | 98.946      | -0.004 |
| 341                                   | 50       | Unbiased            | 98.955     | 98.952      | -0.003 |
| 342                                   | 50       | Unbiased            | 98.942     | 98.94       | -0.002 |
| 343                                   | 100      | Bias                | 98.954     | 98.95       | -0.004 |
| 344                                   | 100      | Bias                | 98.949     | 98.946      | -0.003 |
| 345                                   | 100      | Bias                | 98.953     | 98.948      | -0.005 |
| 346                                   | 100      | Bias                | 98.94      | 98.936      | -0.004 |
| 347                                   | 100      | Bias                | 98.948     | 98.945      | -0.003 |
| 348                                   | 100      | Unbiased            | 98.954     | 98.95       | -0.004 |
| 349                                   | 100      | Unbiased            | 98.942     | 98.937      | -0.005 |
| 350                                   | 100      | Unbiased            | 98.949     | 98.946      | -0.003 |
| 351                                   | 100      | Unbiased            | 98.94      | 98.935      | -0.005 |
| 352                                   | 100      | Unbiased            | 98.961     | 98.956      | -0.005 |

| Test Statistics (%) |                  |                  |                  |                  |                   |                   |                   |                   |           |           |           |            |
|---------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| krad(si)            | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
| 0                   | 98.945           | 98.951           | 98.957           | 0.0060277        | 98.949            | 98.956            | 98.961            | 0.006245          | 0.004     | 0.0053333 | 0.008     | 0.0023094  |
| 3                   | 98.948           | 98.952           | 98.957           | 0.0038644        | 98.947            | 98.952            | 98.959            | 0.0044721         | -0.001    | 0.0004    | 0.002     | 0.00084327 |
| 10                  | 98.937           | 98.941           | 98.949           | 0.0035606        | 98.938            | 98.943            | 98.95             | 0.0031552         | 0         | 0.0015    | 0.003     | 0.00084984 |
| 30                  | 98.937           | 98.945           | 98.95            | 0.004492         | 98.938            | 98.946            | 98.952            | 0.004296          | 0         | 0.0011    | 0.002     | 0.00073786 |
| 50                  | 98.934           | 98.946           | 98.955           | 0.0064636        | 98.936            | 98.946            | 98.953            | 0.0055538         | -0.004    | -0.0002   | 0.003     | 0.0027406  |
| 100                 | 98.94            | 98.949           | 98.961           | 0.0068475        | 98.935            | 98.945            | 98.956            | 0.0068872         | -0.005    | -0.0041   | -0.003    | 0.0008756  |

Device Test: 6.104; VOH\_RESET\_10MA



| Test Results (Lower Limit = 75.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 99.029     | 99.035      | 0.006  |
| 301                                   | 0        | Correlation         | 99.038     | 99.04       | 0.002  |
| 302                                   | 0        | Correlation         | 99.023     | 99.024      | 0.001  |
| 303                                   | 3        | Bias                | 99.032     | 99.031      | -0.001 |
| 304                                   | 3        | Bias                | 99.026     | 99.025      | -0.001 |
| 305                                   | 3        | Bias                | 99.031     | 99.029      | -0.002 |
| 306                                   | 3        | Bias                | 99.029     | 99.026      | -0.003 |
| 307                                   | 3        | Bias                | 99.023     | 99.023      | 0      |
| 308                                   | 3        | Unbiased            | 99.027     | 99.024      | -0.003 |
| 309                                   | 3        | Unbiased            | 99.027     | 99.027      | 0      |
| 310                                   | 3        | Unbiased            | 99.026     | 99.025      | -0.001 |
| 311                                   | 3        | Unbiased            | 99.033     | 99.034      | 0.001  |
| 312                                   | 3        | Unbiased            | 99.034     | 99.034      | 0      |
| 313                                   | 10       | Bias                | 99.024     | 99.025      | 0.001  |
| 314                                   | 10       | Bias                | 99.02      | 99.021      | 0.001  |
| 315                                   | 10       | Bias                | 99.015     | 99.016      | 0.001  |
| 316                                   | 10       | Bias                | 99.019     | 99.02       | 0.001  |
| 317                                   | 10       | Bias                | 99.014     | 99.015      | 0.001  |
| 318                                   | 10       | Unbiased            | 99.027     | 99.028      | 0.001  |
| 319                                   | 10       | Unbiased            | 99.016     | 99.018      | 0.002  |
| 320                                   | 10       | Unbiased            | 99.014     | 99.022      | 0.008  |
| 321                                   | 10       | Unbiased            | 99.02      | 99.016      | -0.004 |
| 322                                   | 10       | Unbiased            | 99.014     | 99.017      | 0.003  |
| 323                                   | 30       | Bias                | 99.024     | 99.026      | 0.002  |
| 324                                   | 30       | Bias                | 99.021     | 99.022      | 0.001  |
| 325                                   | 30       | Bias                | 99.014     | 99.016      | 0.002  |
| 326                                   | 30       | Bias                | 99.028     | 99.03       | 0.002  |
| 327                                   | 30       | Bias                | 99.016     | 99.017      | 0.001  |
| 328                                   | 30       | Unbiased            | 99.023     | 99.023      | 0      |
| 329                                   | 30       | Unbiased            | 99.021     | 99.022      | 0.001  |
| 330                                   | 30       | Unbiased            | 99.026     | 99.027      | 0.001  |
| 331                                   | 30       | Unbiased            | 99.021     | 99.023      | 0.002  |
| 332                                   | 30       | Unbiased            | 99.022     | 99.023      | 0.001  |
| 333                                   | 50       | Bias                | 99.027     | 99.029      | 0.002  |
| 334                                   | 50       | Bias                | 99.01      | 99.013      | 0.003  |
| 335                                   | 50       | Bias                | 99.025     | 99.026      | 0.001  |
| 336                                   | 50       | Bias                | 99.03      | 99.031      | 0.001  |
| 337                                   | 50       | Bias                | 99.01      | 99.013      | 0.003  |
| 338                                   | 50       | Unbiased            | 99.023     | 99.025      | 0.002  |
| 339                                   | 50       | Unbiased            | 99.029     | 99.023      | -0.006 |
| 340                                   | 50       | Unbiased            | 99.027     | 99.022      | -0.005 |
| 341                                   | 50       | Unbiased            | 99.03      | 99.025      | -0.005 |
| 342                                   | 50       | Unbiased            | 99.024     | 99.019      | -0.005 |
| 343                                   | 100      | Bias                | 99.033     | 99.028      | -0.005 |
| 344                                   | 100      | Bias                | 99.027     | 99.022      | -0.005 |
| 345                                   | 100      | Bias                | 99.031     | 99.026      | -0.005 |
| 346                                   | 100      | Bias                | 99.019     | 99.014      | -0.005 |
| 347                                   | 100      | Bias                | 99.029     | 99.024      | -0.005 |
| 348                                   | 100      | Unbiased            | 99.032     | 99.025      | -0.007 |
| 349                                   | 100      | Unbiased            | 99.022     | 99.014      | -0.008 |
| 350                                   | 100      | Unbiased            | 99.029     | 99.024      | -0.005 |
| 351                                   | 100      | Unbiased            | 99.02      | 99.013      | -0.007 |
| 352                                   | 100      | Unbiased            | 99.038     | 99.031      | -0.007 |

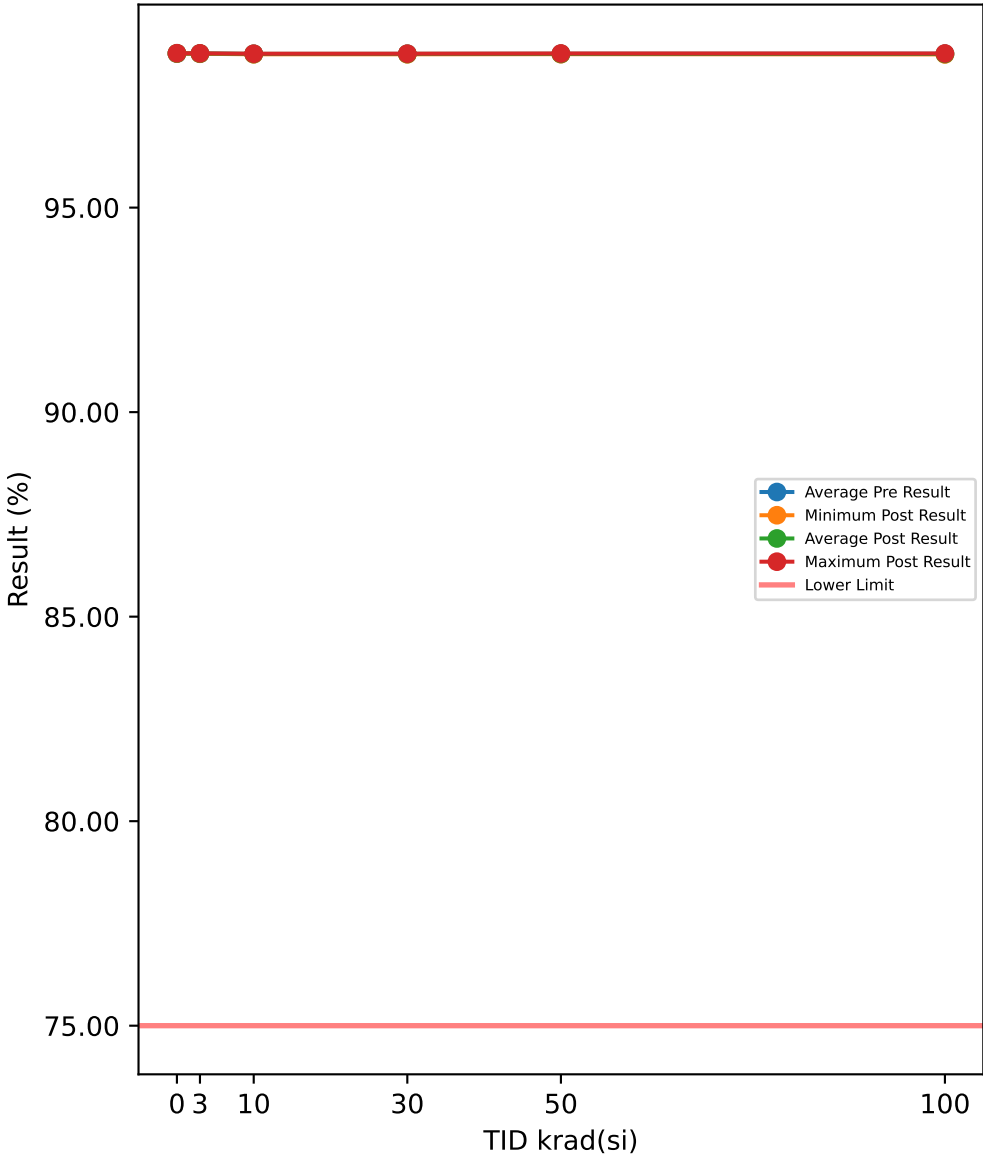
Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| 0        | 99.023           | 99.03            | 99.038           | 0.0075498        | 99.024            | 99.033            | 99.04             | 0.0081854         | 0.001     | 0.003     | 0.006     | 0.0026458  |
| 3        | 99.023           | 99.029           | 99.034           | 0.0035839        | 99.023            | 99.028            | 99.034            | 0.0040222         | -0.003    | -0.001    | 0.001     | 0.0013333  |
| 10       | 99.014           | 99.018           | 99.027           | 0.0045473        | 99.015            | 99.02             | 99.028            | 0.0042635         | -0.004    | 0.0015    | 0.008     | 0.0029155  |
| 30       | 99.014           | 99.022           | 99.028           | 0.0041952        | 99.016            | 99.023            | 99.03             | 0.0042282         | 0         | 0.0013    | 0.002     | 0.00067495 |
| 50       | 99.01            | 99.023           | 99.03            | 0.0075019        | 99.013            | 99.023            | 99.031            | 0.0060773         | -0.006    | -0.0009   | 0.003     | 0.0038137  |
| 100      | 99.019           | 99.028           | 99.038           | 0.0060919        | 99.013            | 99.022            | 99.031            | 0.0063149         | -0.008    | -0.0059   | -0.005    | 0.0011972  |



Device Test: 6.105; VOH\_WDO\_10MA

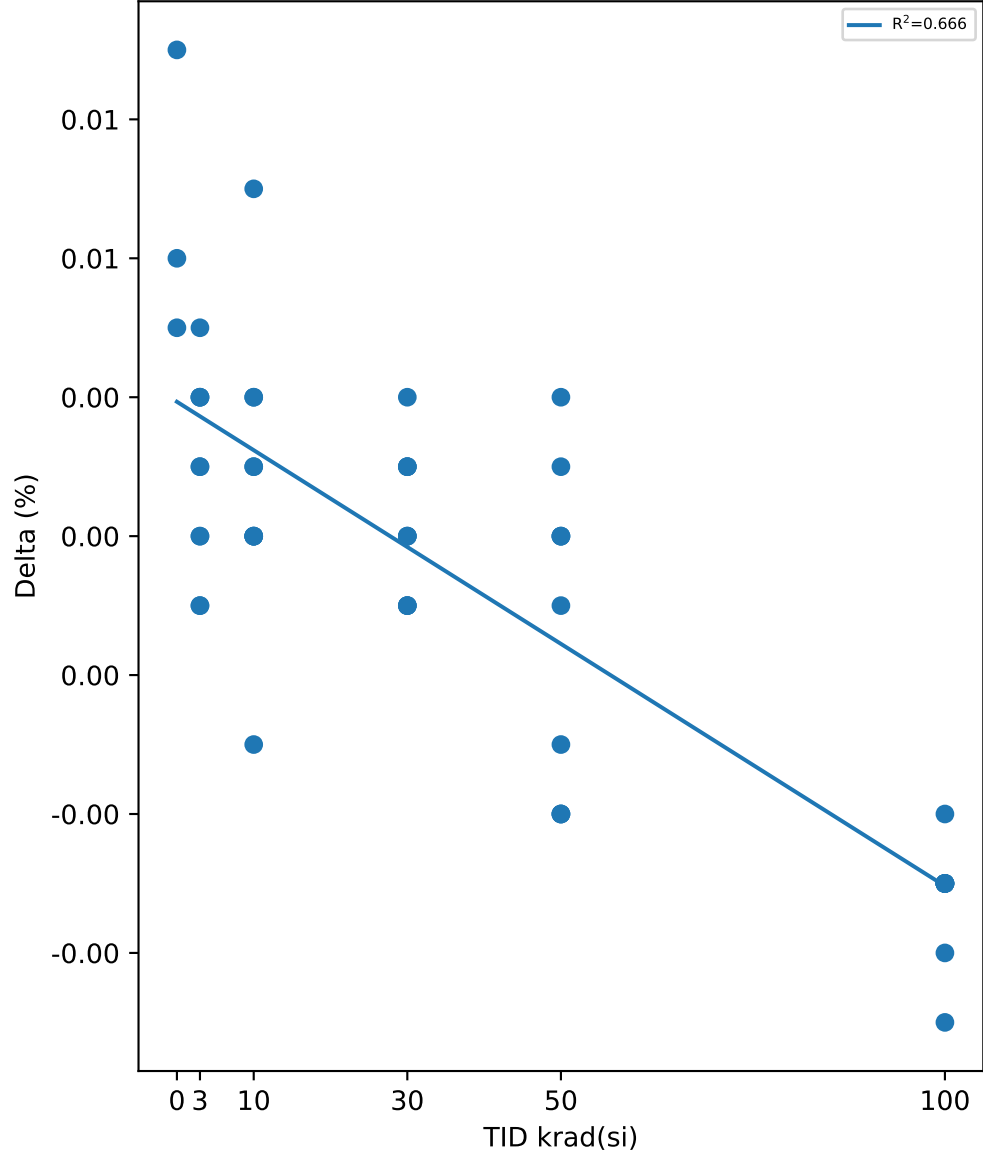
TID vs Result Stats



Test Results (Lower Limit = 75.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 98.766     | 98.775      | 0.009  |
| 301      | 0        | Correlation         | 98.767     | 98.773      | 0.006  |
| 302      | 0        | Correlation         | 98.761     | 98.766      | 0.005  |
| 303      | 3        | Bias                | 98.768     | 98.772      | 0.004  |
| 304      | 3        | Bias                | 98.758     | 98.761      | 0.003  |
| 305      | 3        | Bias                | 98.765     | 98.769      | 0.004  |
| 306      | 3        | Bias                | 98.765     | 98.768      | 0.003  |
| 307      | 3        | Bias                | 98.759     | 98.764      | 0.005  |
| 308      | 3        | Unbiased            | 98.764     | 98.766      | 0.002  |
| 309      | 3        | Unbiased            | 98.763     | 98.764      | 0.001  |
| 310      | 3        | Unbiased            | 98.763     | 98.764      | 0.001  |
| 311      | 3        | Unbiased            | 98.768     | 98.772      | 0.004  |
| 312      | 3        | Unbiased            | 98.768     | 98.77       | 0.002  |
| 313      | 10       | Bias                | 98.76      | 98.763      | 0.003  |
| 314      | 10       | Bias                | 98.759     | 98.762      | 0.003  |
| 315      | 10       | Bias                | 98.757     | 98.759      | 0.002  |
| 316      | 10       | Bias                | 98.746     | 98.748      | 0.002  |
| 317      | 10       | Bias                | 98.756     | 98.758      | 0.002  |
| 318      | 10       | Unbiased            | 98.76      | 98.762      | 0.002  |
| 319      | 10       | Unbiased            | 98.758     | 98.762      | 0.004  |
| 320      | 10       | Unbiased            | 98.752     | 98.759      | 0.007  |
| 321      | 10       | Unbiased            | 98.757     | 98.756      | -0.001 |
| 322      | 10       | Unbiased            | 98.749     | 98.753      | 0.004  |
| 323      | 30       | Bias                | 98.759     | 98.76       | 0.001  |
| 324      | 30       | Bias                | 98.759     | 98.761      | 0.002  |
| 325      | 30       | Bias                | 98.75      | 98.753      | 0.003  |
| 326      | 30       | Bias                | 98.758     | 98.762      | 0.004  |
| 327      | 30       | Bias                | 98.745     | 98.748      | 0.003  |
| 328      | 30       | Unbiased            | 98.762     | 98.764      | 0.002  |
| 329      | 30       | Unbiased            | 98.754     | 98.755      | 0.001  |
| 330      | 30       | Unbiased            | 98.758     | 98.76       | 0.002  |
| 331      | 30       | Unbiased            | 98.761     | 98.762      | 0.001  |
| 332      | 30       | Unbiased            | 98.755     | 98.758      | 0.003  |
| 333      | 50       | Bias                | 98.756     | 98.758      | 0.002  |
| 334      | 50       | Bias                | 98.75      | 98.751      | 0.001  |
| 335      | 50       | Bias                | 98.762     | 98.764      | 0.002  |
| 336      | 50       | Bias                | 98.763     | 98.765      | 0.002  |
| 337      | 50       | Bias                | 98.748     | 98.751      | 0.003  |
| 338      | 50       | Unbiased            | 98.752     | 98.756      | 0.004  |
| 339      | 50       | Unbiased            | 98.77      | 98.769      | -0.001 |
| 340      | 50       | Unbiased            | 98.757     | 98.755      | -0.002 |
| 341      | 50       | Unbiased            | 98.764     | 98.762      | -0.002 |
| 342      | 50       | Unbiased            | 98.758     | 98.756      | -0.002 |
| 343      | 100      | Bias                | 98.765     | 98.762      | -0.003 |
| 344      | 100      | Bias                | 98.762     | 98.76       | -0.002 |
| 345      | 100      | Bias                | 98.76      | 98.757      | -0.003 |
| 346      | 100      | Bias                | 98.756     | 98.753      | -0.003 |
| 347      | 100      | Bias                | 98.761     | 98.758      | -0.003 |
| 348      | 100      | Unbiased            | 98.761     | 98.758      | -0.003 |
| 349      | 100      | Unbiased            | 98.749     | 98.745      | -0.004 |
| 350      | 100      | Unbiased            | 98.762     | 98.759      | -0.003 |
| 351      | 100      | Unbiased            | 98.754     | 98.749      | -0.005 |
| 352      | 100      | Unbiased            | 98.772     | 98.769      | -0.003 |

TID vs Post - Pre Exposure Delta

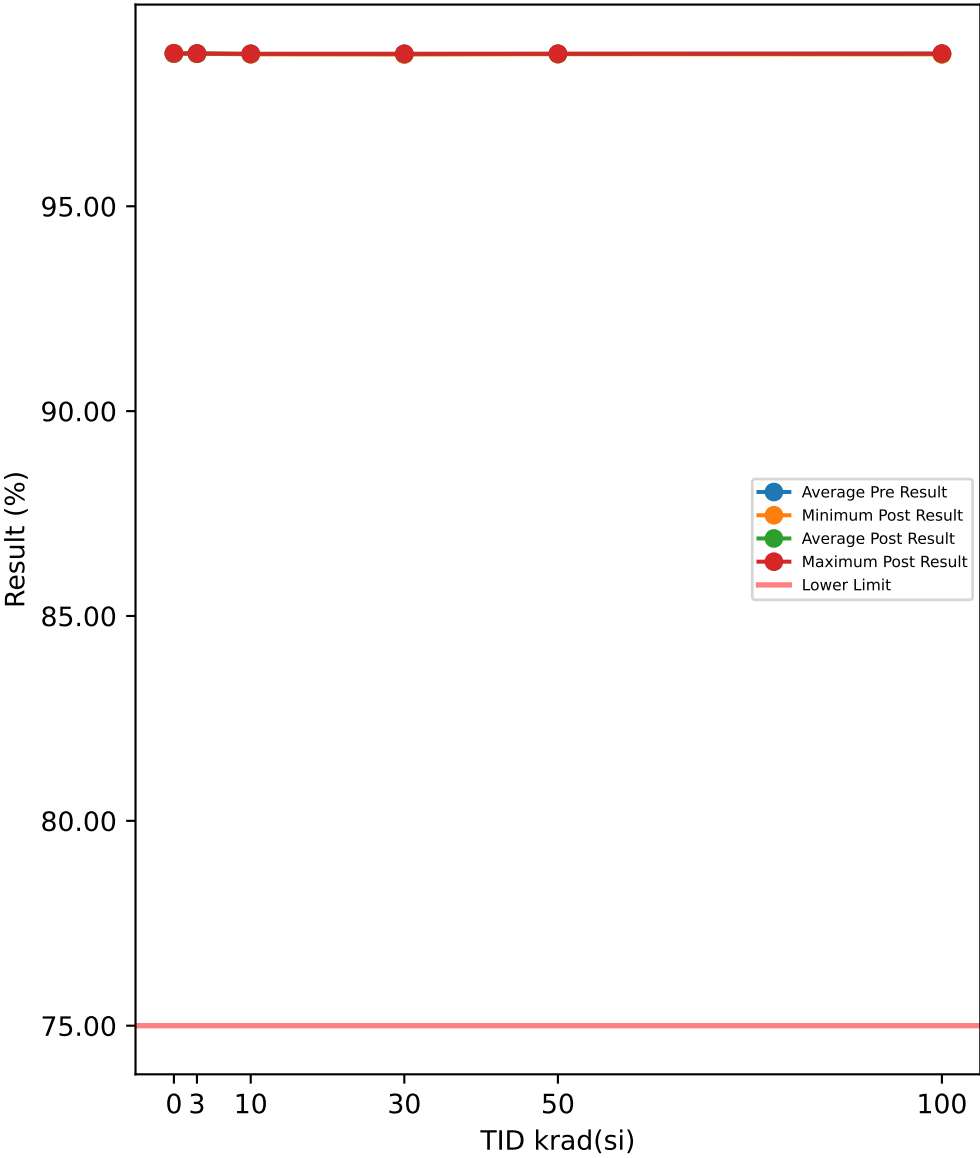


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| 0        | 98.761           | 98.765           | 98.767           | 0.0032146        | 98.766            | 98.771            | 98.775            | 0.0047258         | 0.005     | 0.0066667 | 0.009     | 0.0020817  |
| 3        | 98.758           | 98.764           | 98.768           | 0.0035418        | 98.761            | 98.767            | 98.772            | 0.0037712         | 0.001     | 0.0029    | 0.005     | 0.0013703  |
| 10       | 98.746           | 98.755           | 98.76            | 0.004812         | 98.748            | 98.758            | 98.763            | 0.0047563         | -0.001    | 0.0028    | 0.007     | 0.002044   |
| 30       | 98.745           | 98.756           | 98.762           | 0.0052589        | 98.748            | 98.758            | 98.764            | 0.0049227         | 0.001     | 0.0022    | 0.004     | 0.0010328  |
| 50       | 98.748           | 98.758           | 98.77            | 0.0068799        | 98.751            | 98.759            | 98.769            | 0.0060745         | -0.002    | 0.0007    | 0.004     | 0.0022632  |
| 100      | 98.749           | 98.76            | 98.772           | 0.0062503        | 98.745            | 98.757            | 98.769            | 0.006733          | -0.005    | -0.0032   | -0.002    | 0.00078881 |



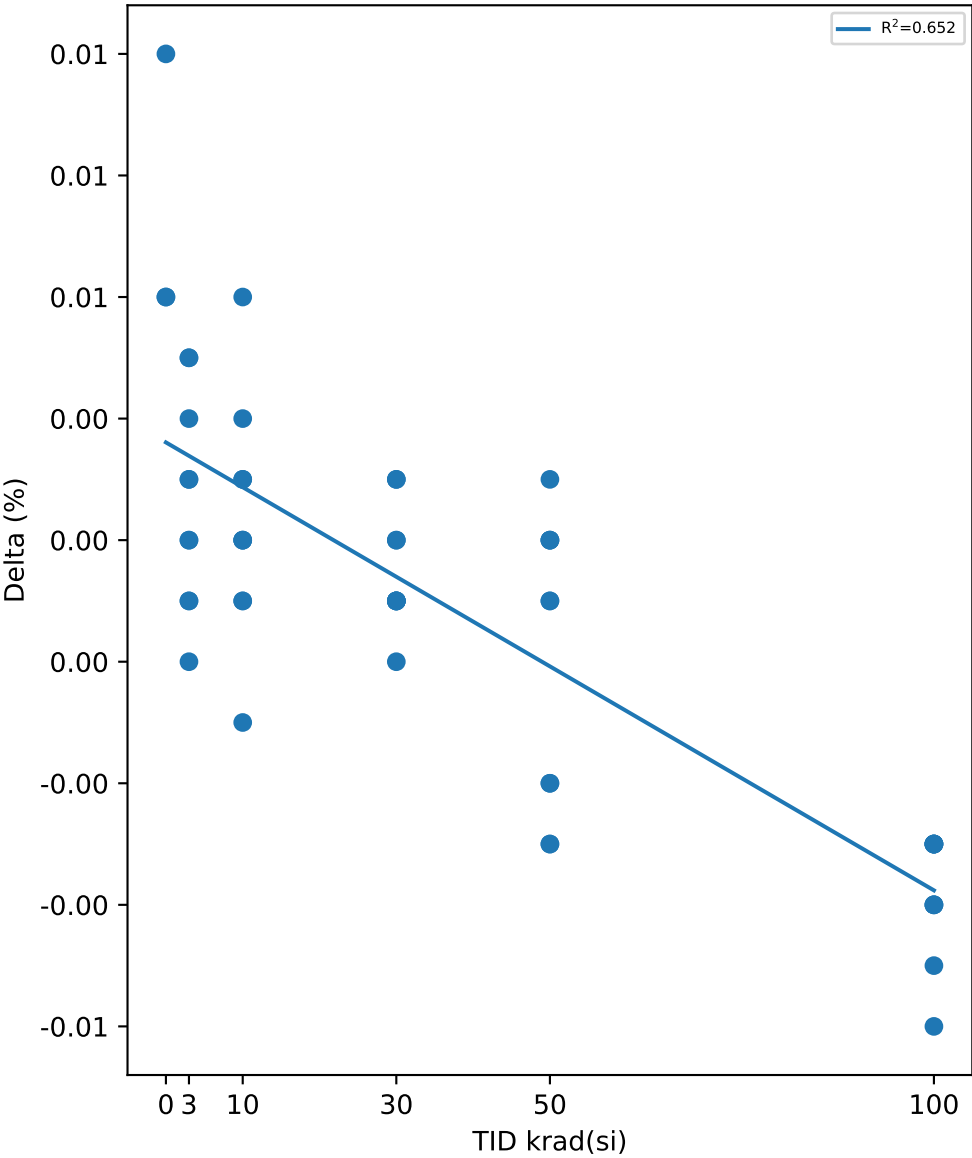
TID vs Result Stats



Test Results (Lower Limit = 75.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 98.726     | 98.736      | 0.01   |
| 301      | 0        | Correlation         | 98.729     | 98.735      | 0.006  |
| 302      | 0        | Correlation         | 98.718     | 98.724      | 0.006  |
| 303      | 3        | Bias                | 98.721     | 98.726      | 0.005  |
| 304      | 3        | Bias                | 98.72      | 98.723      | 0.003  |
| 305      | 3        | Bias                | 98.722     | 98.727      | 0.005  |
| 306      | 3        | Bias                | 98.728     | 98.73       | 0.002  |
| 307      | 3        | Bias                | 98.721     | 98.725      | 0.004  |
| 308      | 3        | Unbiased            | 98.72      | 98.722      | 0.002  |
| 309      | 3        | Unbiased            | 98.723     | 98.724      | 0.001  |
| 310      | 3        | Unbiased            | 98.725     | 98.725      | 0      |
| 311      | 3        | Unbiased            | 98.726     | 98.729      | 0.003  |
| 312      | 3        | Unbiased            | 98.728     | 98.729      | 0.001  |
| 313      | 10       | Bias                | 98.719     | 98.721      | 0.002  |
| 314      | 10       | Bias                | 98.718     | 98.72       | 0.002  |
| 315      | 10       | Bias                | 98.714     | 98.717      | 0.003  |
| 316      | 10       | Bias                | 98.707     | 98.708      | 0.001  |
| 317      | 10       | Bias                | 98.714     | 98.715      | 0.001  |
| 318      | 10       | Unbiased            | 98.72      | 98.722      | 0.002  |
| 319      | 10       | Unbiased            | 98.718     | 98.722      | 0.004  |
| 320      | 10       | Unbiased            | 98.715     | 98.721      | 0.006  |
| 321      | 10       | Unbiased            | 98.719     | 98.718      | -0.001 |
| 322      | 10       | Unbiased            | 98.71      | 98.713      | 0.003  |
| 323      | 30       | Bias                | 98.719     | 98.72       | 0.001  |
| 324      | 30       | Bias                | 98.714     | 98.716      | 0.002  |
| 325      | 30       | Bias                | 98.712     | 98.714      | 0.002  |
| 326      | 30       | Bias                | 98.72      | 98.723      | 0.003  |
| 327      | 30       | Bias                | 98.701     | 98.702      | 0.001  |
| 328      | 30       | Unbiased            | 98.72      | 98.721      | 0.001  |
| 329      | 30       | Unbiased            | 98.717     | 98.717      | 0      |
| 330      | 30       | Unbiased            | 98.714     | 98.715      | 0.001  |
| 331      | 30       | Unbiased            | 98.72      | 98.721      | 0.001  |
| 332      | 30       | Unbiased            | 98.714     | 98.717      | 0.003  |
| 333      | 50       | Bias                | 98.716     | 98.718      | 0.002  |
| 334      | 50       | Bias                | 98.713     | 98.714      | 0.001  |
| 335      | 50       | Bias                | 98.722     | 98.724      | 0.002  |
| 336      | 50       | Bias                | 98.723     | 98.724      | 0.001  |
| 337      | 50       | Bias                | 98.709     | 98.711      | 0.002  |
| 338      | 50       | Unbiased            | 98.711     | 98.714      | 0.003  |
| 339      | 50       | Unbiased            | 98.727     | 98.724      | -0.003 |
| 340      | 50       | Unbiased            | 98.717     | 98.714      | -0.003 |
| 341      | 50       | Unbiased            | 98.726     | 98.724      | -0.002 |
| 342      | 50       | Unbiased            | 98.716     | 98.714      | -0.002 |
| 343      | 100      | Bias                | 98.726     | 98.722      | -0.004 |
| 344      | 100      | Bias                | 98.725     | 98.722      | -0.003 |
| 345      | 100      | Bias                | 98.722     | 98.719      | -0.003 |
| 346      | 100      | Bias                | 98.716     | 98.712      | -0.004 |
| 347      | 100      | Bias                | 98.723     | 98.72       | -0.003 |
| 348      | 100      | Unbiased            | 98.721     | 98.718      | -0.003 |
| 349      | 100      | Unbiased            | 98.71      | 98.706      | -0.004 |
| 350      | 100      | Unbiased            | 98.722     | 98.719      | -0.003 |
| 351      | 100      | Unbiased            | 98.717     | 98.711      | -0.006 |
| 352      | 100      | Unbiased            | 98.733     | 98.728      | -0.005 |

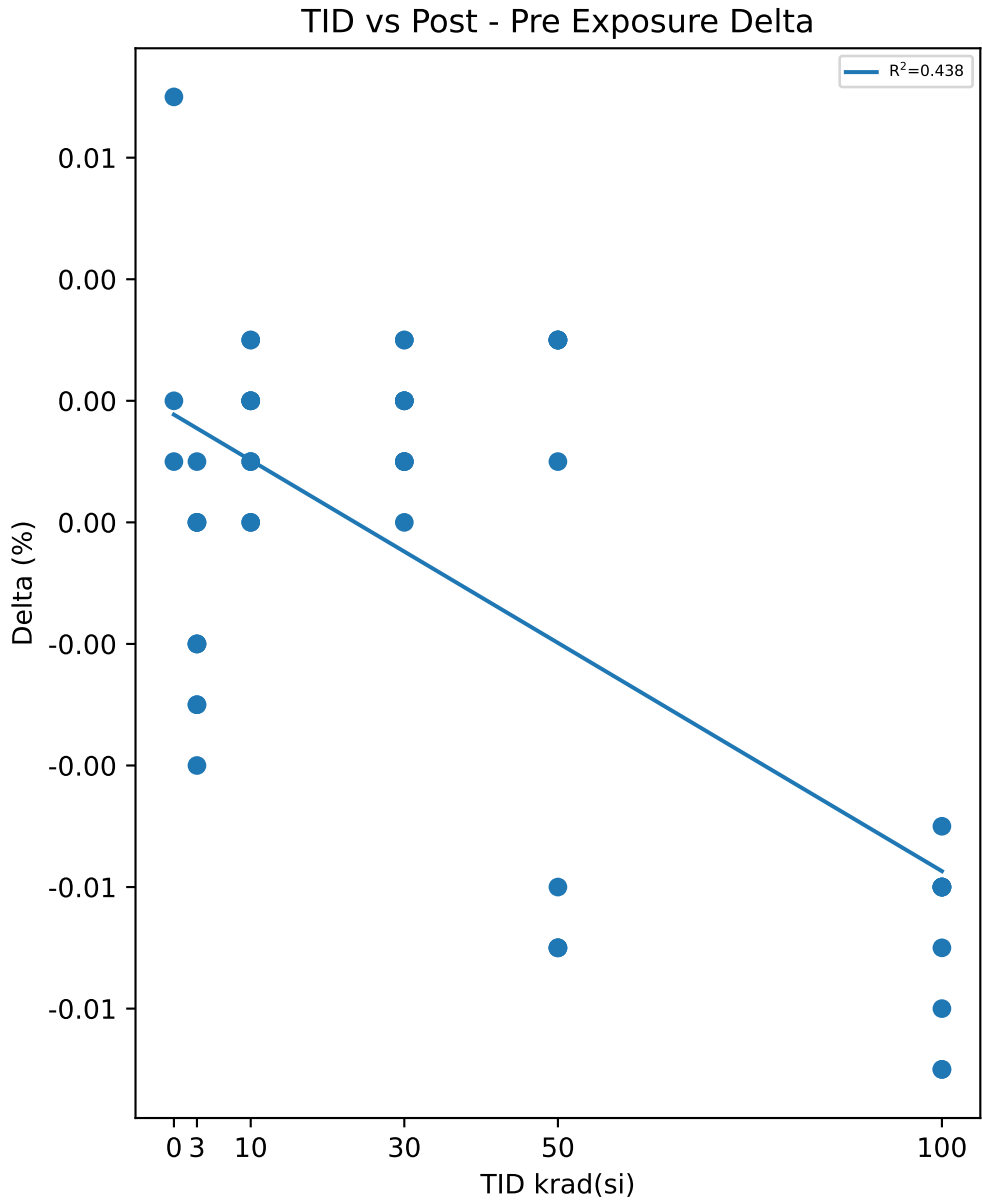
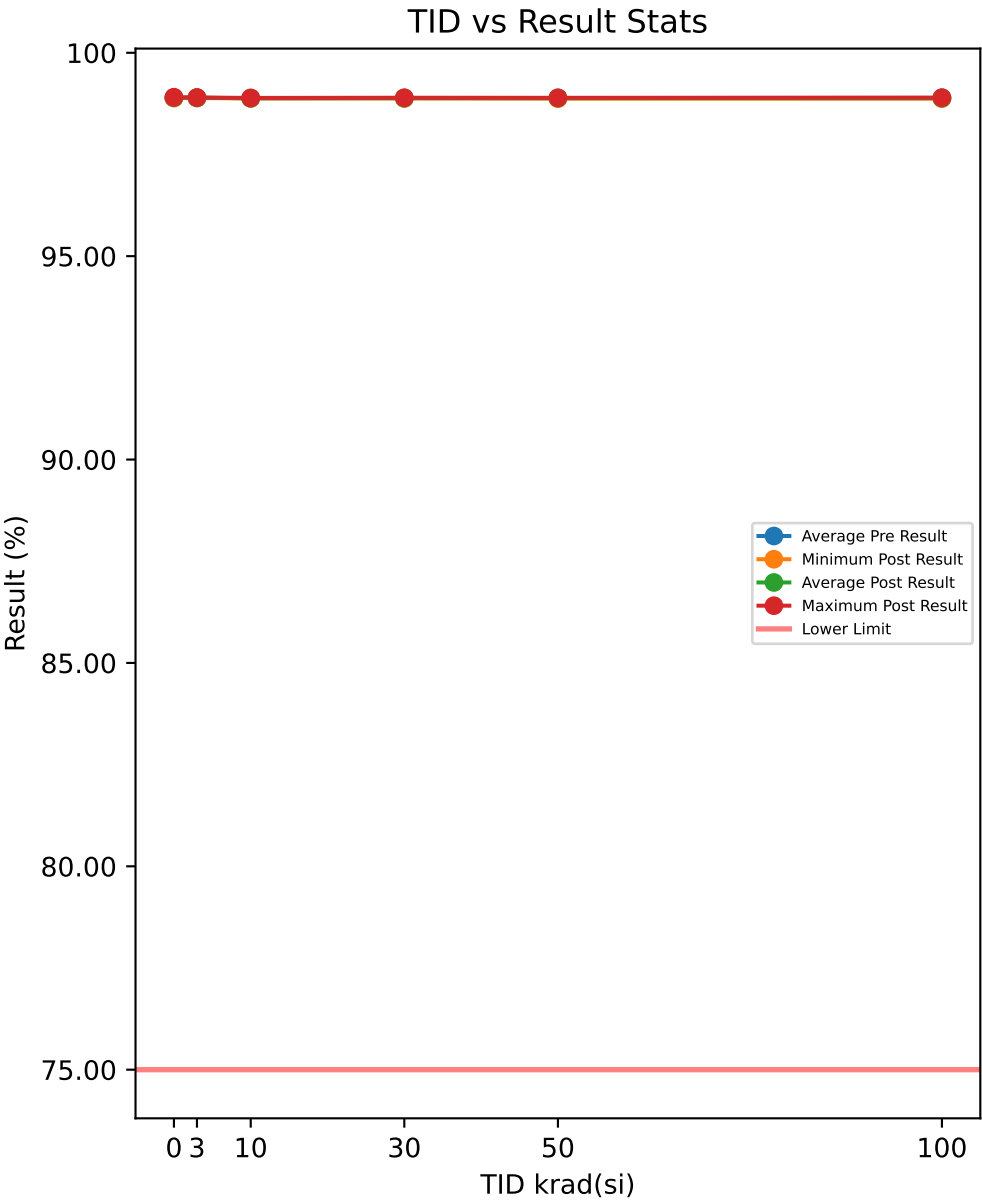
TID vs Post - Pre Exposure Delta



Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| 0        | 98.718           | 98.724           | 98.729           | 0.0056862        | 98.724            | 98.732            | 98.736            | 0.0066583         | 0.006     | 0.0073333 | 0.01      | 0.0023094  |
| 3        | 98.72            | 98.723           | 98.728           | 0.003134         | 98.722            | 98.726            | 98.73             | 0.002708          | 0         | 0.0026    | 0.005     | 0.0017127  |
| 10       | 98.707           | 98.715           | 98.72            | 0.004274         | 98.708            | 98.718            | 98.722            | 0.0045717         | -0.001    | 0.0023    | 0.006     | 0.0018886  |
| 30       | 98.701           | 98.715           | 98.72            | 0.0058013        | 98.702            | 98.717            | 98.723            | 0.0059104         | 0         | 0.0015    | 0.003     | 0.00097183 |
| 50       | 98.709           | 98.718           | 98.727           | 0.0062361        | 98.711            | 98.718            | 98.724            | 0.0053427         | -0.003    | 0.0001    | 0.003     | 0.002331   |
| 100      | 98.71            | 98.721           | 98.733           | 0.0062405        | 98.706            | 98.718            | 98.728            | 0.0063779         | -0.006    | -0.0038   | -0.003    | 0.0010328  |

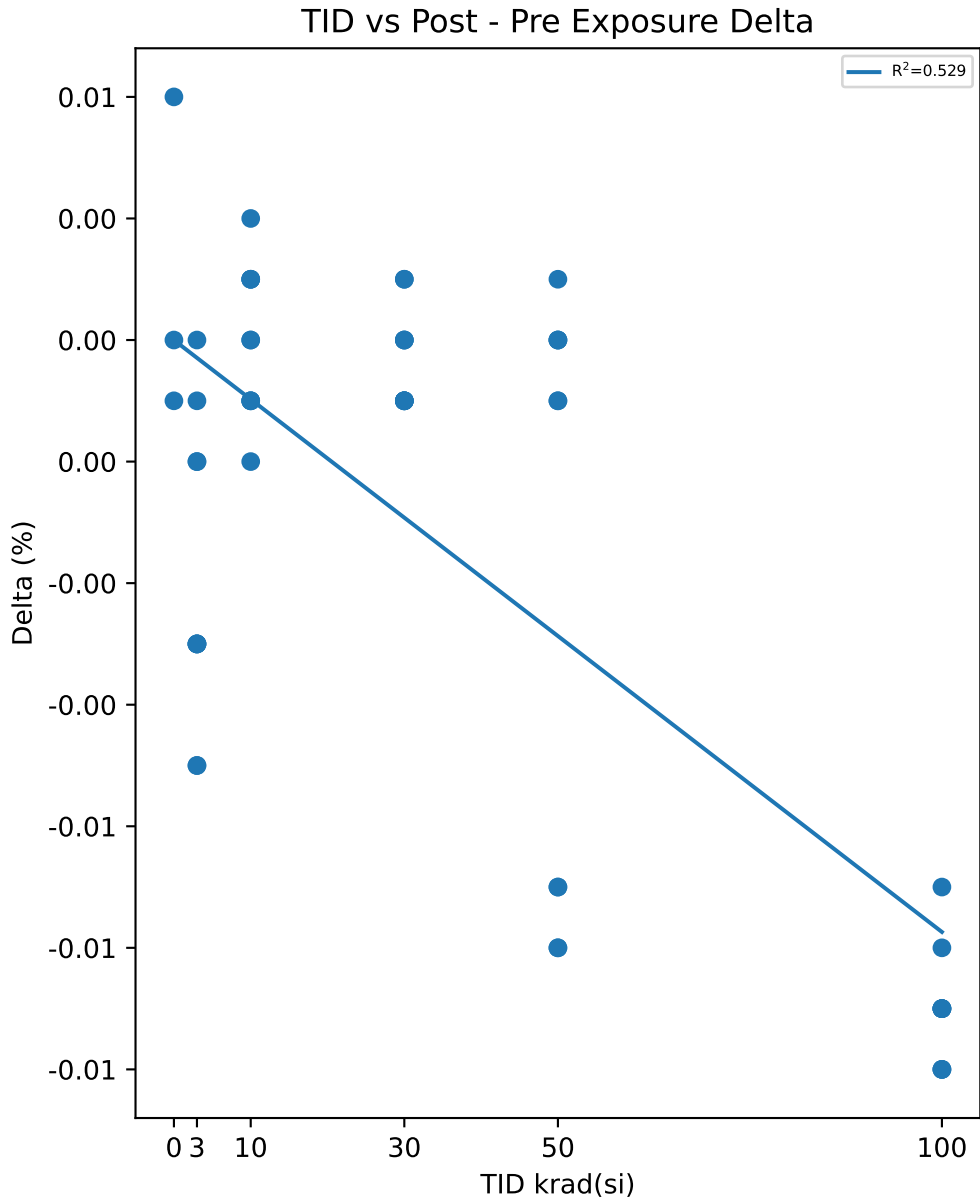
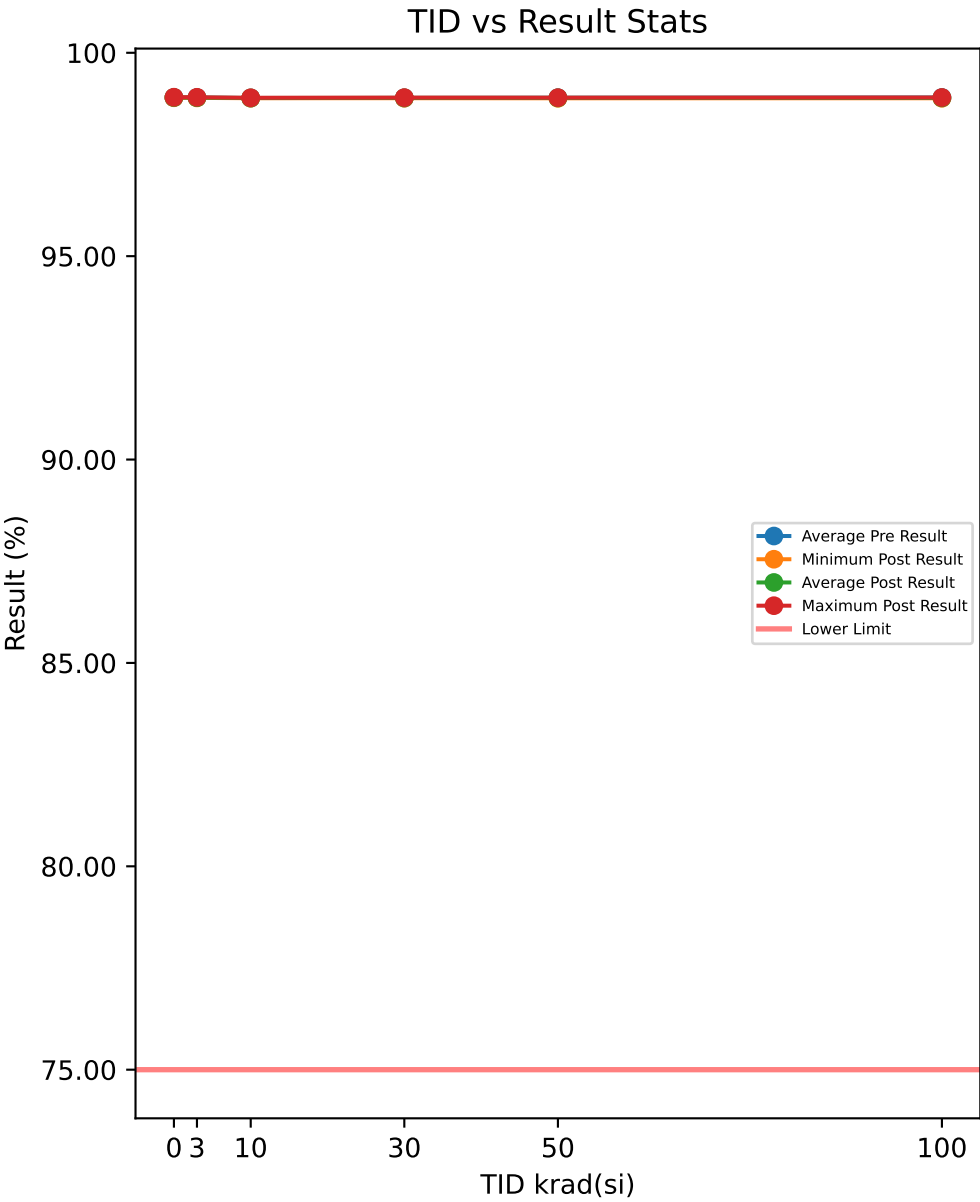
Device Test: 6.107; VOH\_RESET\_10MA



| Test Results (Lower Limit = 75.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 98.893     | 98.9        | 0.007  |
| 301                                   | 0        | Correlation         | 98.906     | 98.908      | 0.002  |
| 302                                   | 0        | Correlation         | 98.884     | 98.885      | 0.001  |
| 303                                   | 3        | Bias                | 98.899     | 98.897      | -0.002 |
| 304                                   | 3        | Bias                | 98.891     | 98.888      | -0.003 |
| 305                                   | 3        | Bias                | 98.892     | 98.89       | -0.002 |
| 306                                   | 3        | Bias                | 98.895     | 98.891      | -0.004 |
| 307                                   | 3        | Bias                | 98.89      | 98.888      | -0.002 |
| 308                                   | 3        | Unbiased            | 98.892     | 98.889      | -0.003 |
| 309                                   | 3        | Unbiased            | 98.89      | 98.89       | 0      |
| 310                                   | 3        | Unbiased            | 98.889     | 98.889      | 0      |
| 311                                   | 3        | Unbiased            | 98.9       | 98.901      | 0.001  |
| 312                                   | 3        | Unbiased            | 98.9       | 98.9        | 0      |
| 313                                   | 10       | Bias                | 98.885     | 98.885      | 0      |
| 314                                   | 10       | Bias                | 98.88      | 98.882      | 0.002  |
| 315                                   | 10       | Bias                | 98.876     | 98.878      | 0.002  |
| 316                                   | 10       | Bias                | 98.882     | 98.883      | 0.001  |
| 317                                   | 10       | Bias                | 98.879     | 98.881      | 0.002  |
| 318                                   | 10       | Unbiased            | 98.884     | 98.885      | 0.001  |
| 319                                   | 10       | Unbiased            | 98.887     | 98.89       | 0.003  |
| 320                                   | 10       | Unbiased            | 98.884     | 98.887      | 0.003  |
| 321                                   | 10       | Unbiased            | 98.885     | 98.885      | 0      |
| 322                                   | 10       | Unbiased            | 98.884     | 98.886      | 0.002  |
| 323                                   | 30       | Bias                | 98.883     | 98.885      | 0.002  |
| 324                                   | 30       | Bias                | 98.884     | 98.886      | 0.002  |
| 325                                   | 30       | Bias                | 98.875     | 98.878      | 0.003  |
| 326                                   | 30       | Bias                | 98.892     | 98.895      | 0.003  |
| 327                                   | 30       | Bias                | 98.884     | 98.886      | 0.002  |
| 328                                   | 30       | Unbiased            | 98.886     | 98.887      | 0.001  |
| 329                                   | 30       | Unbiased            | 98.885     | 98.887      | 0.002  |
| 330                                   | 30       | Unbiased            | 98.883     | 98.884      | 0.001  |
| 331                                   | 30       | Unbiased            | 98.887     | 98.888      | 0.001  |
| 332                                   | 30       | Unbiased            | 98.885     | 98.885      | 0      |
| 333                                   | 50       | Bias                | 98.885     | 98.888      | 0.003  |
| 334                                   | 50       | Bias                | 98.875     | 98.878      | 0.003  |
| 335                                   | 50       | Bias                | 98.89      | 98.893      | 0.003  |
| 336                                   | 50       | Bias                | 98.89      | 98.891      | 0.001  |
| 337                                   | 50       | Bias                | 98.869     | 98.872      | 0.003  |
| 338                                   | 50       | Unbiased            | 98.886     | 98.889      | 0.003  |
| 339                                   | 50       | Unbiased            | 98.893     | 98.887      | -0.006 |
| 340                                   | 50       | Unbiased            | 98.887     | 98.88       | -0.007 |
| 341                                   | 50       | Unbiased            | 98.899     | 98.892      | -0.007 |
| 342                                   | 50       | Unbiased            | 98.891     | 98.884      | -0.007 |
| 343                                   | 100      | Bias                | 98.895     | 98.889      | -0.006 |
| 344                                   | 100      | Bias                | 98.891     | 98.885      | -0.006 |
| 345                                   | 100      | Bias                | 98.896     | 98.89       | -0.006 |
| 346                                   | 100      | Bias                | 98.883     | 98.878      | -0.005 |
| 347                                   | 100      | Bias                | 98.888     | 98.882      | -0.006 |
| 348                                   | 100      | Unbiased            | 98.896     | 98.887      | -0.009 |
| 349                                   | 100      | Unbiased            | 98.889     | 98.881      | -0.008 |
| 350                                   | 100      | Unbiased            | 98.894     | 98.888      | -0.006 |
| 351                                   | 100      | Unbiased            | 98.881     | 98.872      | -0.009 |
| 352                                   | 100      | Unbiased            | 98.904     | 98.897      | -0.007 |

| Test Statistics (%) |                  |                  |                  |                  |                   |                   |                   |                   |           |           |           |            |
|---------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| krad(si)            | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
| 0                   | 98.884           | 98.894           | 98.906           | 0.01106          | 98.885            | 98.898            | 98.908            | 0.011676          | 0.001     | 0.0033333 | 0.007     | 0.0032146  |
| 3                   | 98.889           | 98.894           | 98.9             | 0.0043665        | 98.888            | 98.892            | 98.901            | 0.0050343         | -0.004    | -0.0015   | 0.001     | 0.0016499  |
| 10                  | 98.876           | 98.883           | 98.887           | 0.00334          | 98.878            | 98.884            | 98.89             | 0.0033599         | 0         | 0.0016    | 0.003     | 0.001075   |
| 30                  | 98.875           | 98.884           | 98.892           | 0.0042216        | 98.878            | 98.886            | 98.895            | 0.0041753         | 0         | 0.0017    | 0.003     | 0.00094868 |
| 50                  | 98.869           | 98.886           | 98.899           | 0.008721         | 98.872            | 98.885            | 98.893            | 0.0068346         | -0.007    | -0.0011   | 0.003     | 0.0049092  |
| 100                 | 98.881           | 98.892           | 98.904           | 0.0067995        | 98.872            | 98.885            | 98.897            | 0.0069992         | -0.009    | -0.0068   | -0.005    | 0.0013984  |

Device Test: 6.108; VOH\_RESET\_10MA

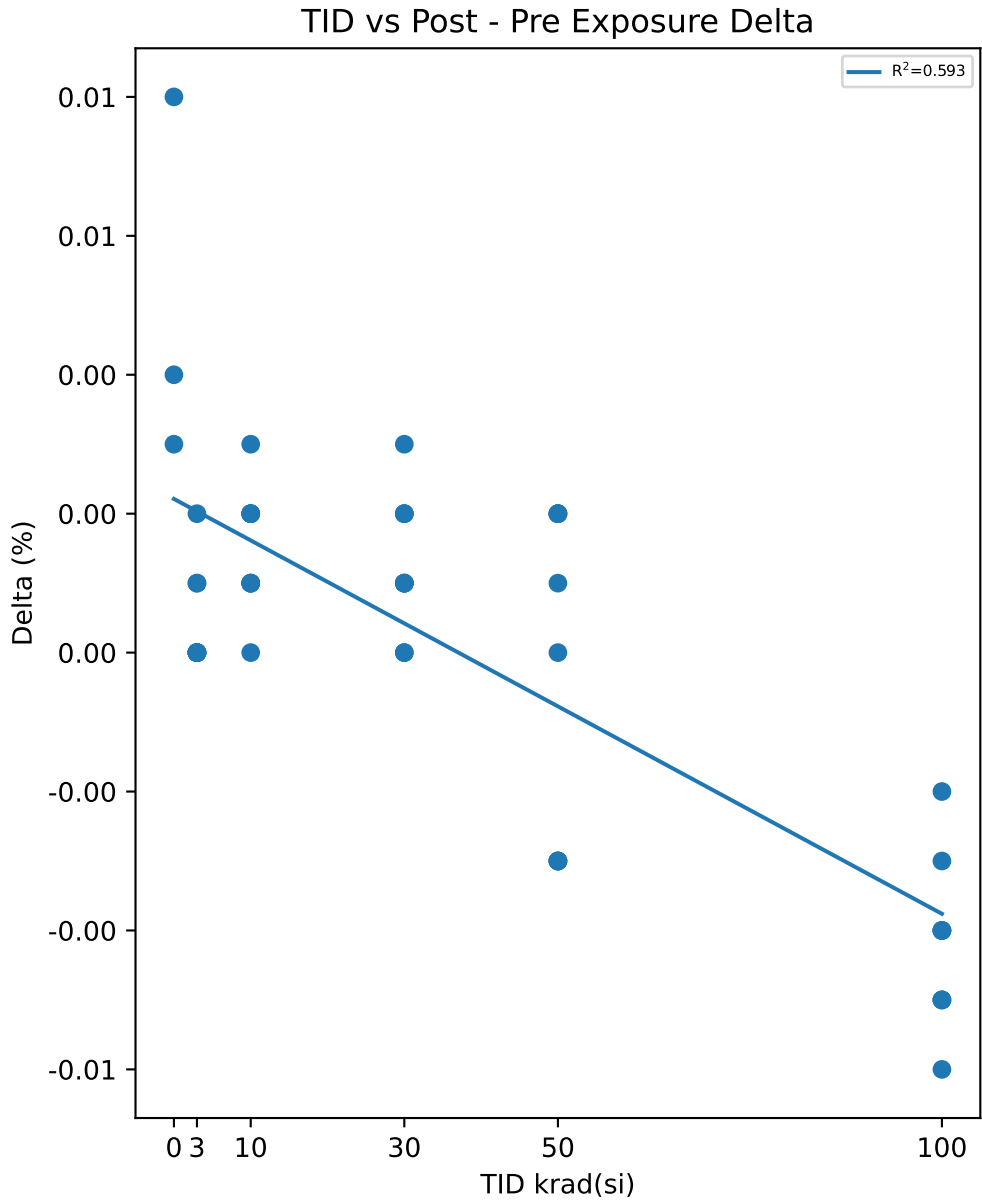
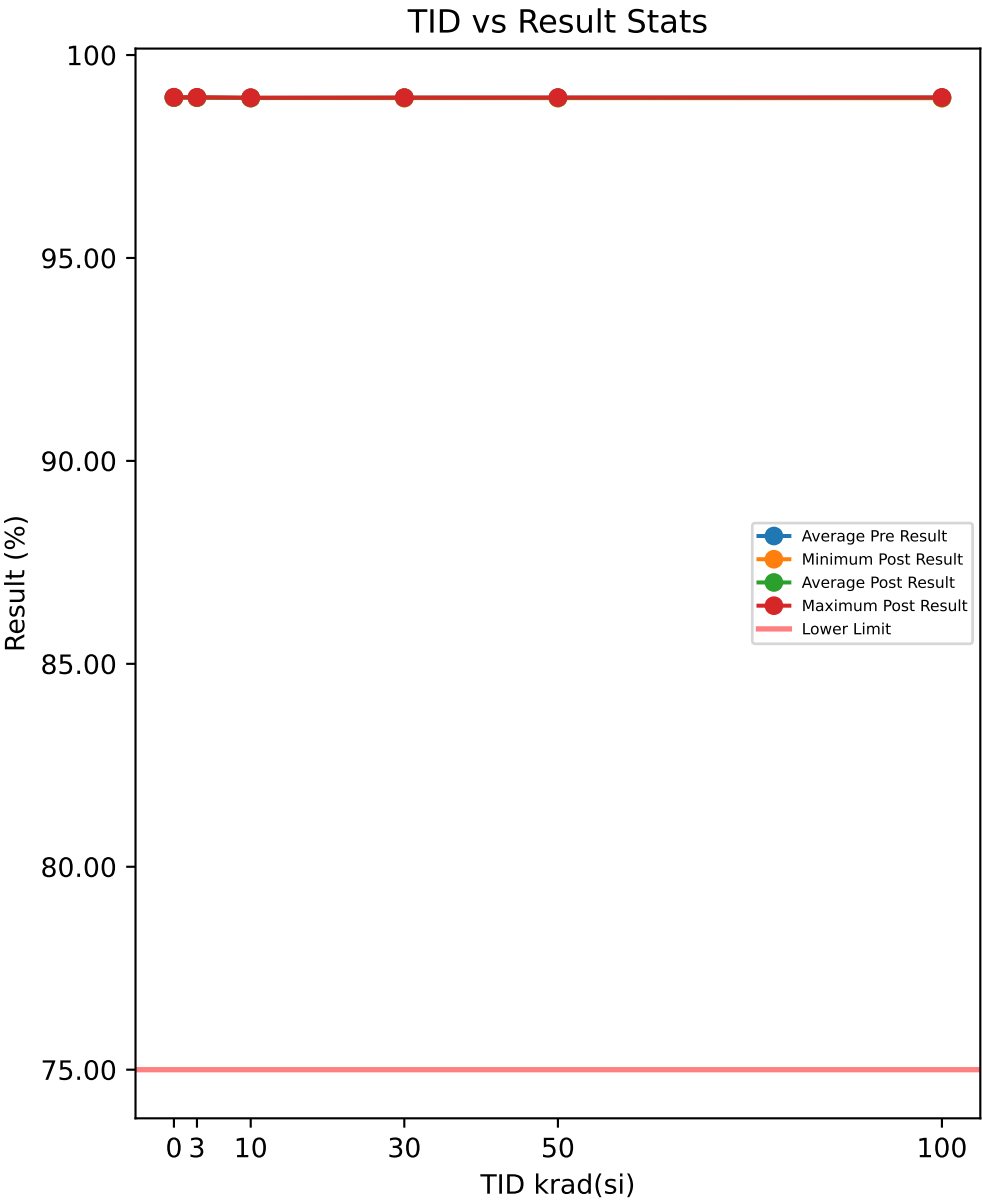


| Test Results (Lower Limit = 75.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 98.897     | 98.903      | 0.006  |
| 301                                   | 0        | Correlation         | 98.906     | 98.908      | 0.002  |
| 302                                   | 0        | Correlation         | 98.893     | 98.894      | 0.001  |
| 303                                   | 3        | Bias                | 98.903     | 98.9        | -0.003 |
| 304                                   | 3        | Bias                | 98.894     | 98.891      | -0.003 |
| 305                                   | 3        | Bias                | 98.897     | 98.894      | -0.003 |
| 306                                   | 3        | Bias                | 98.9       | 98.895      | -0.005 |
| 307                                   | 3        | Bias                | 98.896     | 98.893      | -0.003 |
| 308                                   | 3        | Unbiased            | 98.899     | 98.894      | -0.005 |
| 309                                   | 3        | Unbiased            | 98.895     | 98.895      | 0      |
| 310                                   | 3        | Unbiased            | 98.893     | 98.893      | 0      |
| 311                                   | 3        | Unbiased            | 98.904     | 98.906      | 0.002  |
| 312                                   | 3        | Unbiased            | 98.903     | 98.904      | 0.001  |
| 313                                   | 10       | Bias                | 98.889     | 98.89       | 0.001  |
| 314                                   | 10       | Bias                | 98.885     | 98.887      | 0.002  |
| 315                                   | 10       | Bias                | 98.882     | 98.883      | 0.001  |
| 316                                   | 10       | Bias                | 98.886     | 98.888      | 0.002  |
| 317                                   | 10       | Bias                | 98.885     | 98.888      | 0.003  |
| 318                                   | 10       | Unbiased            | 98.893     | 98.894      | 0.001  |
| 319                                   | 10       | Unbiased            | 98.886     | 98.889      | 0.003  |
| 320                                   | 10       | Unbiased            | 98.889     | 98.893      | 0.004  |
| 321                                   | 10       | Unbiased            | 98.891     | 98.891      | 0      |
| 322                                   | 10       | Unbiased            | 98.884     | 98.887      | 0.003  |
| 323                                   | 30       | Bias                | 98.891     | 98.892      | 0.001  |
| 324                                   | 30       | Bias                | 98.888     | 98.889      | 0.001  |
| 325                                   | 30       | Bias                | 98.885     | 98.888      | 0.003  |
| 326                                   | 30       | Bias                | 98.895     | 98.898      | 0.003  |
| 327                                   | 30       | Bias                | 98.881     | 98.883      | 0.002  |
| 328                                   | 30       | Unbiased            | 98.892     | 98.893      | 0.001  |
| 329                                   | 30       | Unbiased            | 98.888     | 98.89       | 0.002  |
| 330                                   | 30       | Unbiased            | 98.889     | 98.891      | 0.002  |
| 331                                   | 30       | Unbiased            | 98.894     | 98.895      | 0.001  |
| 332                                   | 30       | Unbiased            | 98.892     | 98.893      | 0.001  |
| 333                                   | 50       | Bias                | 98.892     | 98.895      | 0.003  |
| 334                                   | 50       | Bias                | 98.886     | 98.888      | 0.002  |
| 335                                   | 50       | Bias                | 98.896     | 98.897      | 0.001  |
| 336                                   | 50       | Bias                | 98.895     | 98.896      | 0.001  |
| 337                                   | 50       | Bias                | 98.879     | 98.881      | 0.002  |
| 338                                   | 50       | Unbiased            | 98.894     | 98.896      | 0.002  |
| 339                                   | 50       | Unbiased            | 98.899     | 98.891      | -0.008 |
| 340                                   | 50       | Unbiased            | 98.899     | 98.892      | -0.007 |
| 341                                   | 50       | Unbiased            | 98.9       | 98.893      | -0.007 |
| 342                                   | 50       | Unbiased            | 98.895     | 98.887      | -0.008 |
| 343                                   | 100      | Bias                | 98.904     | 98.895      | -0.009 |
| 344                                   | 100      | Bias                | 98.901     | 98.893      | -0.008 |
| 345                                   | 100      | Bias                | 98.901     | 98.892      | -0.009 |
| 346                                   | 100      | Bias                | 98.891     | 98.882      | -0.009 |
| 347                                   | 100      | Bias                | 98.899     | 98.89       | -0.009 |
| 348                                   | 100      | Unbiased            | 98.903     | 98.893      | -0.01  |
| 349                                   | 100      | Unbiased            | 98.897     | 98.887      | -0.01  |
| 350                                   | 100      | Unbiased            | 98.9       | 98.893      | -0.007 |
| 351                                   | 100      | Unbiased            | 98.894     | 98.884      | -0.01  |
| 352                                   | 100      | Unbiased            | 98.91      | 98.901      | -0.009 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| 0        | 98.893           | 98.899           | 98.906           | 0.0066583        | 98.894            | 98.902            | 98.908            | 0.0070946         | 0.001     | 0.003     | 0.006     | 0.0026458  |
| 3        | 98.893           | 98.898           | 98.904           | 0.0040056        | 98.891            | 98.897            | 98.906            | 0.0050607         | -0.005    | -0.0019   | 0.002     | 0.0024698  |
| 10       | 98.882           | 98.887           | 98.893           | 0.0033993        | 98.883            | 98.889            | 98.894            | 0.0031972         | 0         | 0.002     | 0.004     | 0.0012472  |
| 30       | 98.881           | 98.889           | 98.895           | 0.0042492        | 98.883            | 98.891            | 98.898            | 0.0041042         | 0.001     | 0.0017    | 0.003     | 0.00082327 |
| 50       | 98.879           | 98.893           | 98.9             | 0.0065192        | 98.881            | 98.892            | 98.897            | 0.0050376         | -0.008    | -0.0019   | 0.003     | 0.0048637  |
| 100      | 98.891           | 98.9             | 98.91            | 0.0053125        | 98.882            | 98.891            | 98.901            | 0.0055377         | -0.01     | -0.009    | -0.007    | 0.00094281 |

Device Test: 6.109; VOH\_RESET\_10MA

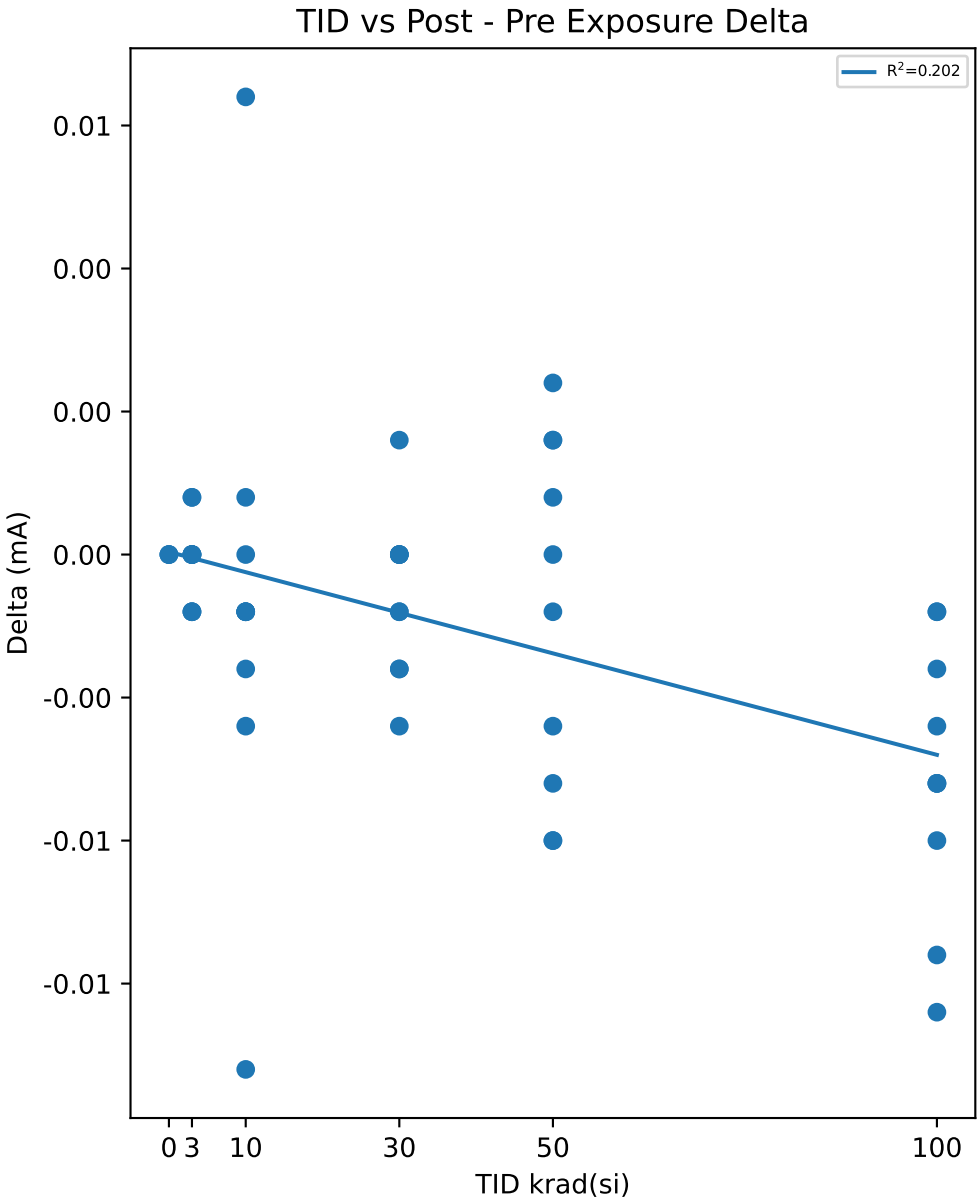
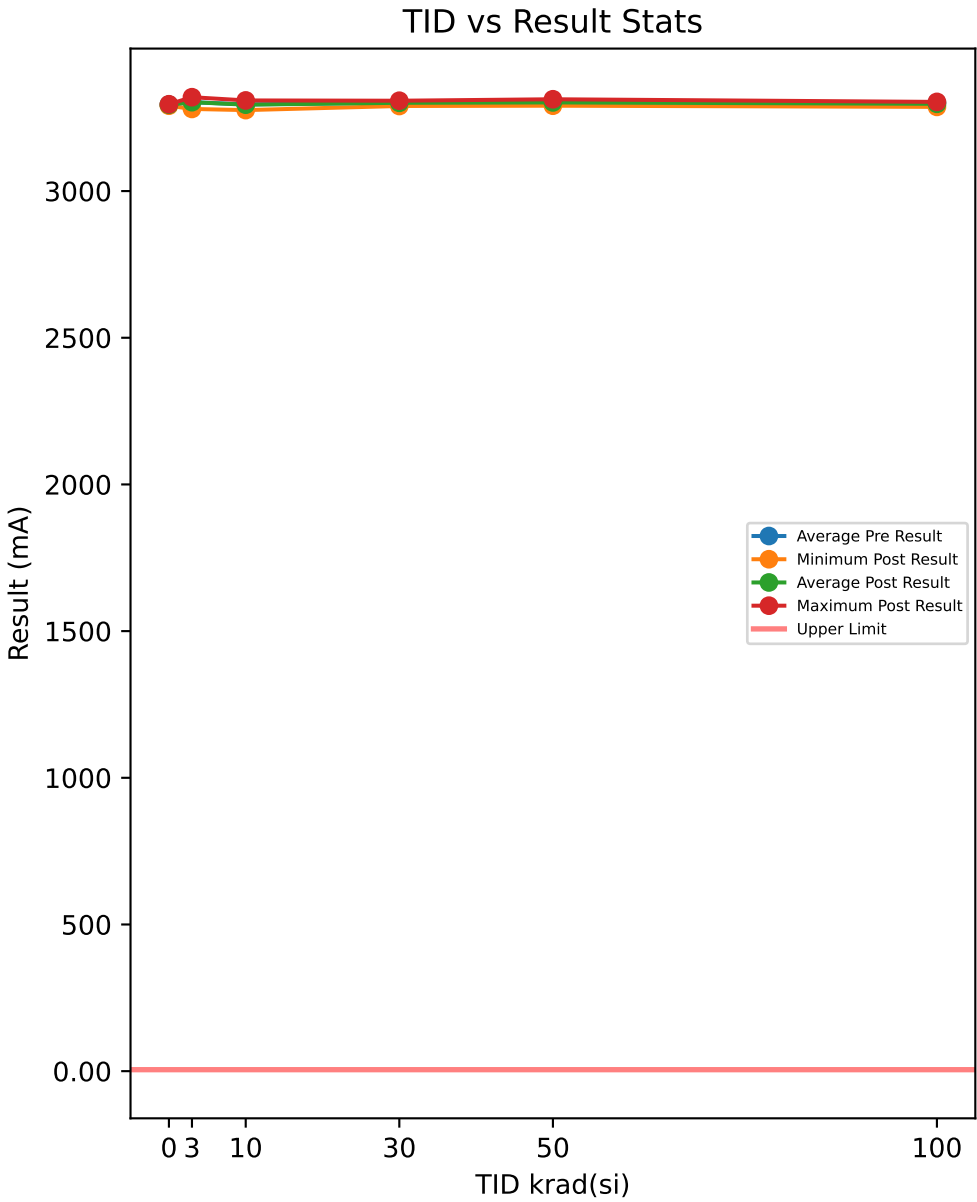


| Test Results (Lower Limit = 75.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 98.95      | 98.958      | 0.008  |
| 301                                   | 0        | Correlation         | 98.957     | 98.961      | 0.004  |
| 302                                   | 0        | Correlation         | 98.945     | 98.948      | 0.003  |
| 303                                   | 3        | Bias                | 98.957     | 98.959      | 0.002  |
| 304                                   | 3        | Bias                | 98.948     | 98.948      | 0      |
| 305                                   | 3        | Bias                | 98.953     | 98.954      | 0.001  |
| 306                                   | 3        | Bias                | 98.947     | 98.947      | 0      |
| 307                                   | 3        | Bias                | 98.951     | 98.952      | 0.001  |
| 308                                   | 3        | Unbiased            | 98.95      | 98.95       | 0      |
| 309                                   | 3        | Unbiased            | 98.948     | 98.948      | 0      |
| 310                                   | 3        | Unbiased            | 98.947     | 98.947      | 0      |
| 311                                   | 3        | Unbiased            | 98.956     | 98.956      | 0      |
| 312                                   | 3        | Unbiased            | 98.957     | 98.957      | 0      |
| 313                                   | 10       | Bias                | 98.945     | 98.945      | 0      |
| 314                                   | 10       | Bias                | 98.943     | 98.944      | 0.001  |
| 315                                   | 10       | Bias                | 98.937     | 98.939      | 0.002  |
| 316                                   | 10       | Bias                | 98.939     | 98.94       | 0.001  |
| 317                                   | 10       | Bias                | 98.94      | 98.942      | 0.002  |
| 318                                   | 10       | Unbiased            | 98.949     | 98.95       | 0.001  |
| 319                                   | 10       | Unbiased            | 98.94      | 98.943      | 0.003  |
| 320                                   | 10       | Unbiased            | 98.94      | 98.942      | 0.002  |
| 321                                   | 10       | Unbiased            | 98.94      | 98.941      | 0.001  |
| 322                                   | 10       | Unbiased            | 98.938     | 98.94       | 0.002  |
| 323                                   | 30       | Bias                | 98.949     | 98.949      | 0      |
| 324                                   | 30       | Bias                | 98.94      | 98.942      | 0.002  |
| 325                                   | 30       | Bias                | 98.939     | 98.942      | 0.003  |
| 326                                   | 30       | Bias                | 98.95      | 98.952      | 0.002  |
| 327                                   | 30       | Bias                | 98.937     | 98.938      | 0.001  |
| 328                                   | 30       | Unbiased            | 98.947     | 98.948      | 0.001  |
| 329                                   | 30       | Unbiased            | 98.945     | 98.947      | 0.002  |
| 330                                   | 30       | Unbiased            | 98.948     | 98.949      | 0.001  |
| 331                                   | 30       | Unbiased            | 98.947     | 98.948      | 0.001  |
| 332                                   | 30       | Unbiased            | 98.947     | 98.947      | 0      |
| 333                                   | 50       | Bias                | 98.948     | 98.949      | 0.001  |
| 334                                   | 50       | Bias                | 98.938     | 98.94       | 0.002  |
| 335                                   | 50       | Bias                | 98.947     | 98.949      | 0.002  |
| 336                                   | 50       | Bias                | 98.953     | 98.953      | 0      |
| 337                                   | 50       | Bias                | 98.935     | 98.937      | 0.002  |
| 338                                   | 50       | Unbiased            | 98.945     | 98.947      | 0.002  |
| 339                                   | 50       | Unbiased            | 98.949     | 98.946      | -0.003 |
| 340                                   | 50       | Unbiased            | 98.949     | 98.946      | -0.003 |
| 341                                   | 50       | Unbiased            | 98.954     | 98.951      | -0.003 |
| 342                                   | 50       | Unbiased            | 98.942     | 98.939      | -0.003 |
| 343                                   | 100      | Bias                | 98.954     | 98.95       | -0.004 |
| 344                                   | 100      | Bias                | 98.949     | 98.946      | -0.003 |
| 345                                   | 100      | Bias                | 98.952     | 98.948      | -0.004 |
| 346                                   | 100      | Bias                | 98.94      | 98.936      | -0.004 |
| 347                                   | 100      | Bias                | 98.948     | 98.944      | -0.004 |
| 348                                   | 100      | Unbiased            | 98.954     | 98.949      | -0.005 |
| 349                                   | 100      | Unbiased            | 98.942     | 98.936      | -0.006 |
| 350                                   | 100      | Unbiased            | 98.948     | 98.946      | -0.002 |
| 351                                   | 100      | Unbiased            | 98.94      | 98.935      | -0.005 |
| 352                                   | 100      | Unbiased            | 98.961     | 98.956      | -0.005 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| 0        | 98.945           | 98.951           | 98.957           | 0.0060277        | 98.948            | 98.956            | 98.961            | 0.0068069         | 0.003     | 0.005     | 0.008     | 0.0026458  |
| 3        | 98.947           | 98.951           | 98.957           | 0.0040879        | 98.947            | 98.952            | 98.959            | 0.0044672         | 0         | 0.0004    | 0.002     | 0.00069921 |
| 10       | 98.937           | 98.941           | 98.949           | 0.003604         | 98.939            | 98.943            | 98.95             | 0.0032042         | 0         | 0.0015    | 0.003     | 0.00084984 |
| 30       | 98.937           | 98.945           | 98.95            | 0.004557         | 98.938            | 98.946            | 98.952            | 0.0042111         | 0         | 0.0013    | 0.003     | 0.00094868 |
| 50       | 98.935           | 98.946           | 98.954           | 0.0061283        | 98.937            | 98.946            | 98.953            | 0.0053552         | -0.003    | -0.0003   | 0.002     | 0.002406   |
| 100      | 98.94            | 98.949           | 98.961           | 0.0067954        | 98.935            | 98.945            | 98.956            | 0.0069474         | -0.006    | -0.0042   | -0.002    | 0.0011353  |

Device Test: 6.11 ; VLDO\_I\_MAX



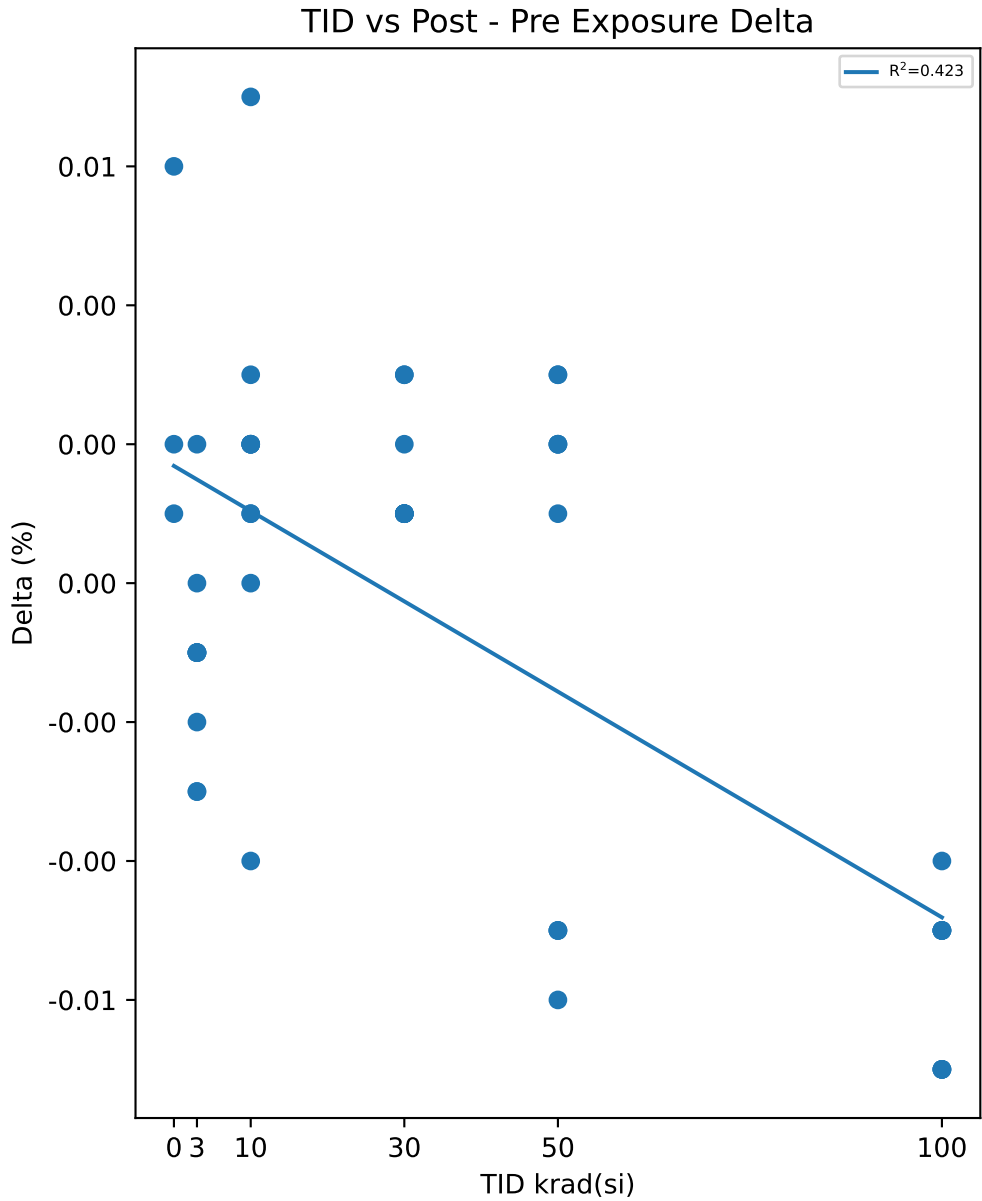
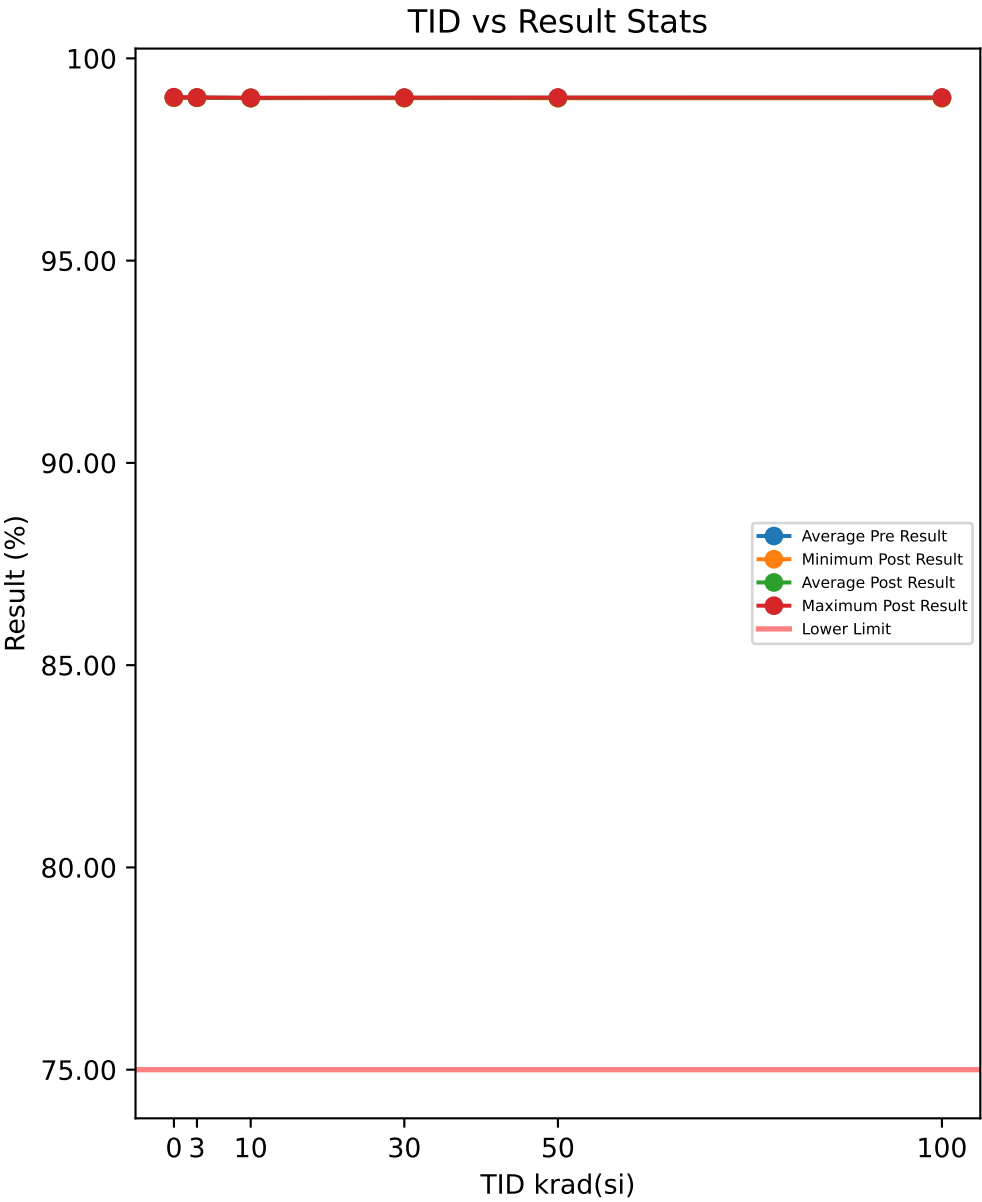
| Test Results (Upper Limit = 5.0 (mA)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 3296       | 3296        | 0      |
| 301                                   | 0        | Correlation         | 3291       | 3291        | 0      |
| 302                                   | 0        | Correlation         | 3296       | 3296        | 0      |
| 303                                   | 3        | Bias                | 3279       | 3280        | 0.001  |
| 304                                   | 3        | Bias                | 3301       | 3300        | -0.001 |
| 305                                   | 3        | Bias                | 3303       | 3304        | 0.001  |
| 306                                   | 3        | Bias                | 3296       | 3296        | 0      |
| 307                                   | 3        | Bias                | 3321       | 3320        | -0.001 |
| 308                                   | 3        | Unbiased            | 3318       | 3318        | 0      |
| 309                                   | 3        | Unbiased            | 3300       | 3300        | 0      |
| 310                                   | 3        | Unbiased            | 3311       | 3311        | 0      |
| 311                                   | 3        | Unbiased            | 3292       | 3291        | -0.001 |
| 312                                   | 3        | Unbiased            | 3310       | 3310        | 0      |
| 313                                   | 10       | Bias                | 3306       | 3305        | -0.001 |
| 314                                   | 10       | Bias                | 3301       | 3298        | -0.003 |
| 315                                   | 10       | Bias                | 3293       | 3293        | 0      |
| 316                                   | 10       | Bias                | 3298       | 3299        | 0.001  |
| 317                                   | 10       | Bias                | 3297       | 3296        | -0.001 |
| 318                                   | 10       | Unbiased            | 3311       | 3309        | -0.002 |
| 319                                   | 10       | Unbiased            | 3293       | 3292        | -0.001 |
| 320                                   | 10       | Unbiased            | 3285       | 3276        | -0.009 |
| 321                                   | 10       | Unbiased            | 3277       | 3285        | 0.008  |
| 322                                   | 10       | Unbiased            | 3293       | 3292        | -0.001 |
| 323                                   | 30       | Bias                | 3302       | 3301        | -0.001 |
| 324                                   | 30       | Bias                | 3299       | 3296        | -0.003 |
| 325                                   | 30       | Bias                | 3303       | 3303        | 0      |
| 326                                   | 30       | Bias                | 3291       | 3290        | -0.001 |
| 327                                   | 30       | Bias                | 3305       | 3305        | 0      |
| 328                                   | 30       | Unbiased            | 3310       | 3308        | -0.002 |
| 329                                   | 30       | Unbiased            | 3303       | 3303        | 0      |
| 330                                   | 30       | Unbiased            | 3301       | 3303        | 0.002  |
| 331                                   | 30       | Unbiased            | 3308       | 3306        | -0.002 |
| 332                                   | 30       | Unbiased            | 3294       | 3294        | 0      |
| 333                                   | 50       | Bias                | 3296       | 3291        | -0.005 |
| 334                                   | 50       | Bias                | 3297       | 3297        | 0      |
| 335                                   | 50       | Bias                | 3299       | 3298        | -0.001 |
| 336                                   | 50       | Bias                | 3310       | 3311        | 0.001  |
| 337                                   | 50       | Bias                | 3304       | 3301        | -0.003 |
| 338                                   | 50       | Unbiased            | 3301       | 3303        | 0.002  |
| 339                                   | 50       | Unbiased            | 3317       | 3313        | -0.004 |
| 340                                   | 50       | Unbiased            | 3308       | 3311        | 0.003  |
| 341                                   | 50       | Unbiased            | 3301       | 3296        | -0.005 |
| 342                                   | 50       | Unbiased            | 3299       | 3301        | 0.002  |
| 343                                   | 100      | Bias                | 3308       | 3304        | -0.004 |
| 344                                   | 100      | Bias                | 3302       | 3299        | -0.003 |
| 345                                   | 100      | Bias                | 3304       | 3300        | -0.004 |
| 346                                   | 100      | Bias                | 3295       | 3287        | -0.008 |
| 347                                   | 100      | Bias                | 3291       | 3287        | -0.004 |
| 348                                   | 100      | Unbiased            | 3302       | 3301        | -0.001 |
| 349                                   | 100      | Unbiased            | 3302       | 3295        | -0.007 |
| 350                                   | 100      | Unbiased            | 3300       | 3298        | -0.002 |
| 351                                   | 100      | Unbiased            | 3308       | 3303        | -0.005 |
| 352                                   | 100      | Unbiased            | 3302       | 3301        | -0.001 |

Test Statistics (mA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| 0        | 3291             | 3294.3           | 3296             | 2.8868           | 3291              | 3294.3            | 3296              | 2.8868            | 0         | 0         | 0         | 0          |
| 3        | 3279             | 3303.1           | 3321             | 12.565           | 3280              | 3303              | 3320              | 12.329            | -0.001    | -0.0001   | 0.001     | 0.00073786 |
| 10       | 3277             | 3295.4           | 3311             | 9.7775           | 3276              | 3294.5            | 3309              | 9.4428            | -0.009    | -0.0009   | 0.008     | 0.0041486  |
| 30       | 3291             | 3301.6           | 3310             | 5.8157           | 3290              | 3300.9            | 3308              | 5.7436            | -0.003    | -0.0007   | 0.002     | 0.0014181  |
| 50       | 3296             | 3303.2           | 3317             | 6.6299           | 3291              | 3302.2            | 3313              | 7.3303            | -0.005    | -0.001    | 0.003     | 0.0030551  |
| 100      | 3291             | 3301.4           | 3308             | 5.2324           | 3287              | 3297.5            | 3304              | 6.0782            | -0.008    | -0.0039   | -0.001    | 0.002331   |



Device Test: 6.110; VOH\_RESET\_10MA

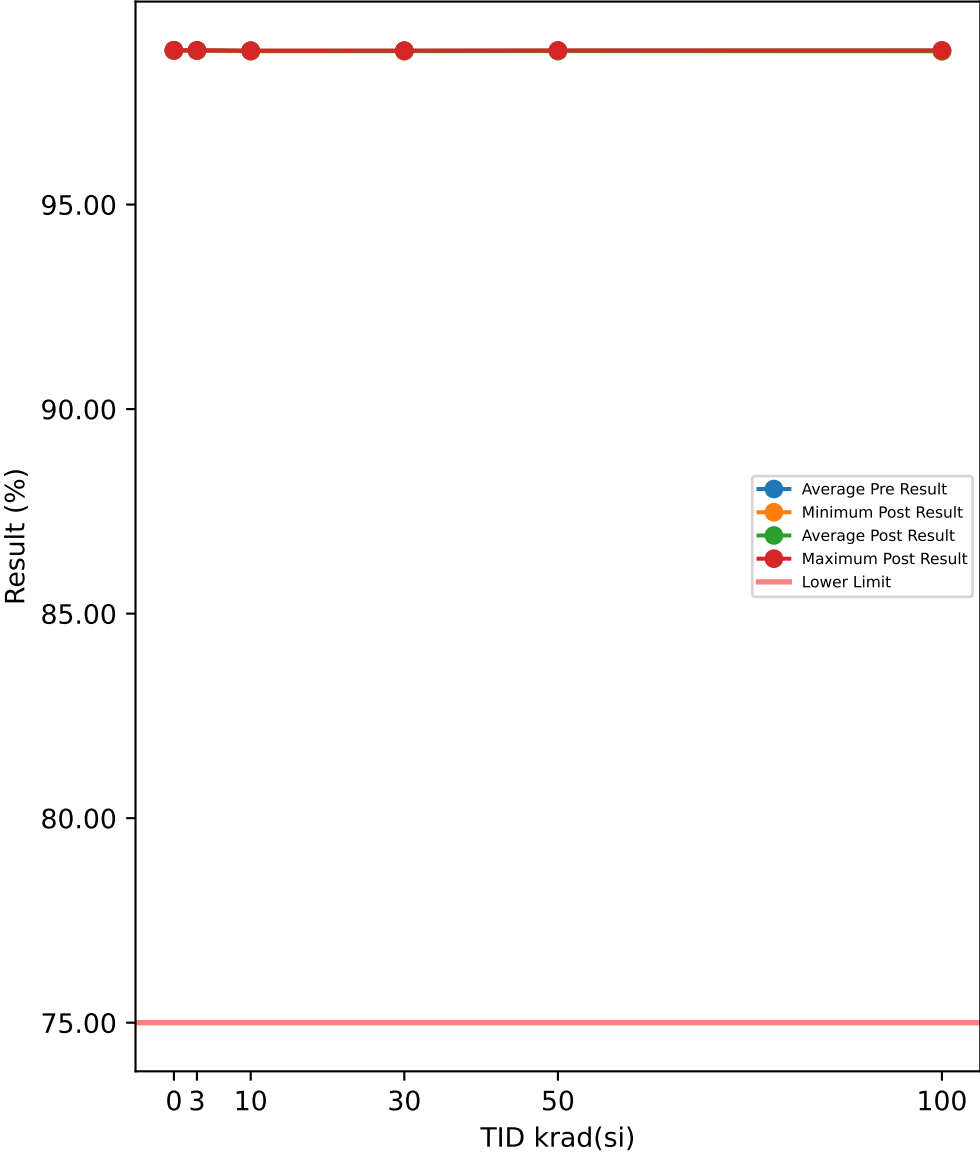


| Test Results (Lower Limit = 75.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 99.029     | 99.035      | 0.006  |
| 301                                   | 0        | Correlation         | 99.038     | 99.04       | 0.002  |
| 302                                   | 0        | Correlation         | 99.023     | 99.024      | 0.001  |
| 303                                   | 3        | Bias                | 99.032     | 99.03       | -0.002 |
| 304                                   | 3        | Bias                | 99.026     | 99.025      | -0.001 |
| 305                                   | 3        | Bias                | 99.03      | 99.029      | -0.001 |
| 306                                   | 3        | Bias                | 99.029     | 99.026      | -0.003 |
| 307                                   | 3        | Bias                | 99.024     | 99.023      | -0.001 |
| 308                                   | 3        | Unbiased            | 99.027     | 99.024      | -0.003 |
| 309                                   | 3        | Unbiased            | 99.027     | 99.026      | -0.001 |
| 310                                   | 3        | Unbiased            | 99.026     | 99.025      | -0.001 |
| 311                                   | 3        | Unbiased            | 99.032     | 99.034      | 0.002  |
| 312                                   | 3        | Unbiased            | 99.034     | 99.034      | 0      |
| 313                                   | 10       | Bias                | 99.024     | 99.025      | 0.001  |
| 314                                   | 10       | Bias                | 99.019     | 99.021      | 0.002  |
| 315                                   | 10       | Bias                | 99.014     | 99.016      | 0.002  |
| 316                                   | 10       | Bias                | 99.019     | 99.02       | 0.001  |
| 317                                   | 10       | Bias                | 99.014     | 99.016      | 0.002  |
| 318                                   | 10       | Unbiased            | 99.027     | 99.027      | 0      |
| 319                                   | 10       | Unbiased            | 99.015     | 99.018      | 0.003  |
| 320                                   | 10       | Unbiased            | 99.014     | 99.021      | 0.007  |
| 321                                   | 10       | Unbiased            | 99.02      | 99.016      | -0.004 |
| 322                                   | 10       | Unbiased            | 99.014     | 99.016      | 0.002  |
| 323                                   | 30       | Bias                | 99.025     | 99.026      | 0.001  |
| 324                                   | 30       | Bias                | 99.021     | 99.022      | 0.001  |
| 325                                   | 30       | Bias                | 99.013     | 99.016      | 0.003  |
| 326                                   | 30       | Bias                | 99.027     | 99.03       | 0.003  |
| 327                                   | 30       | Bias                | 99.016     | 99.018      | 0.002  |
| 328                                   | 30       | Unbiased            | 99.023     | 99.024      | 0.001  |
| 329                                   | 30       | Unbiased            | 99.021     | 99.022      | 0.001  |
| 330                                   | 30       | Unbiased            | 99.026     | 99.027      | 0.001  |
| 331                                   | 30       | Unbiased            | 99.022     | 99.023      | 0.001  |
| 332                                   | 30       | Unbiased            | 99.022     | 99.023      | 0.001  |
| 333                                   | 50       | Bias                | 99.026     | 99.029      | 0.003  |
| 334                                   | 50       | Bias                | 99.01      | 99.013      | 0.003  |
| 335                                   | 50       | Bias                | 99.024     | 99.026      | 0.002  |
| 336                                   | 50       | Bias                | 99.03      | 99.031      | 0.001  |
| 337                                   | 50       | Bias                | 99.011     | 99.013      | 0.002  |
| 338                                   | 50       | Unbiased            | 99.023     | 99.025      | 0.002  |
| 339                                   | 50       | Unbiased            | 99.028     | 99.023      | -0.005 |
| 340                                   | 50       | Unbiased            | 99.027     | 99.021      | -0.006 |
| 341                                   | 50       | Unbiased            | 99.029     | 99.024      | -0.005 |
| 342                                   | 50       | Unbiased            | 99.024     | 99.019      | -0.005 |
| 343                                   | 100      | Bias                | 99.033     | 99.028      | -0.005 |
| 344                                   | 100      | Bias                | 99.027     | 99.022      | -0.005 |
| 345                                   | 100      | Bias                | 99.031     | 99.026      | -0.005 |
| 346                                   | 100      | Bias                | 99.019     | 99.014      | -0.005 |
| 347                                   | 100      | Bias                | 99.028     | 99.024      | -0.004 |
| 348                                   | 100      | Unbiased            | 99.031     | 99.024      | -0.007 |
| 349                                   | 100      | Unbiased            | 99.021     | 99.014      | -0.007 |
| 350                                   | 100      | Unbiased            | 99.029     | 99.024      | -0.005 |
| 351                                   | 100      | Unbiased            | 99.02      | 99.013      | -0.007 |
| 352                                   | 100      | Unbiased            | 99.038     | 99.031      | -0.007 |

| Test Statistics (%) |                  |                  |                  |                  |                   |                   |                   |                   |           |           |           |            |
|---------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| krad(si)            | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
| 0                   | 99.023           | 99.03            | 99.038           | 0.0075498        | 99.024            | 99.033            | 99.04             | 0.0081854         | 0.001     | 0.003     | 0.006     | 0.0026458  |
| 3                   | 99.024           | 99.029           | 99.034           | 0.0032335        | 99.023            | 99.028            | 99.034            | 0.0039777         | -0.003    | -0.0011   | 0.002     | 0.0014491  |
| 10                  | 99.014           | 99.018           | 99.027           | 0.0046667        | 99.016            | 99.02             | 99.027            | 0.0039777         | -0.004    | 0.0016    | 0.007     | 0.0027162  |
| 30                  | 99.013           | 99.022           | 99.027           | 0.0043256        | 99.016            | 99.023            | 99.03             | 0.0040947         | 0.001     | 0.0015    | 0.003     | 0.00084984 |
| 50                  | 99.01            | 99.023           | 99.03            | 0.0070679        | 99.013            | 99.022            | 99.031            | 0.006059          | -0.006    | -0.0008   | 0.003     | 0.0038816  |
| 100                 | 99.019           | 99.028           | 99.038           | 0.0061292        | 99.013            | 99.022            | 99.031            | 0.0062716         | -0.007    | -0.0057   | -0.004    | 0.0011595  |

Device Test: 6.111; VOH\_WDO\_10MA

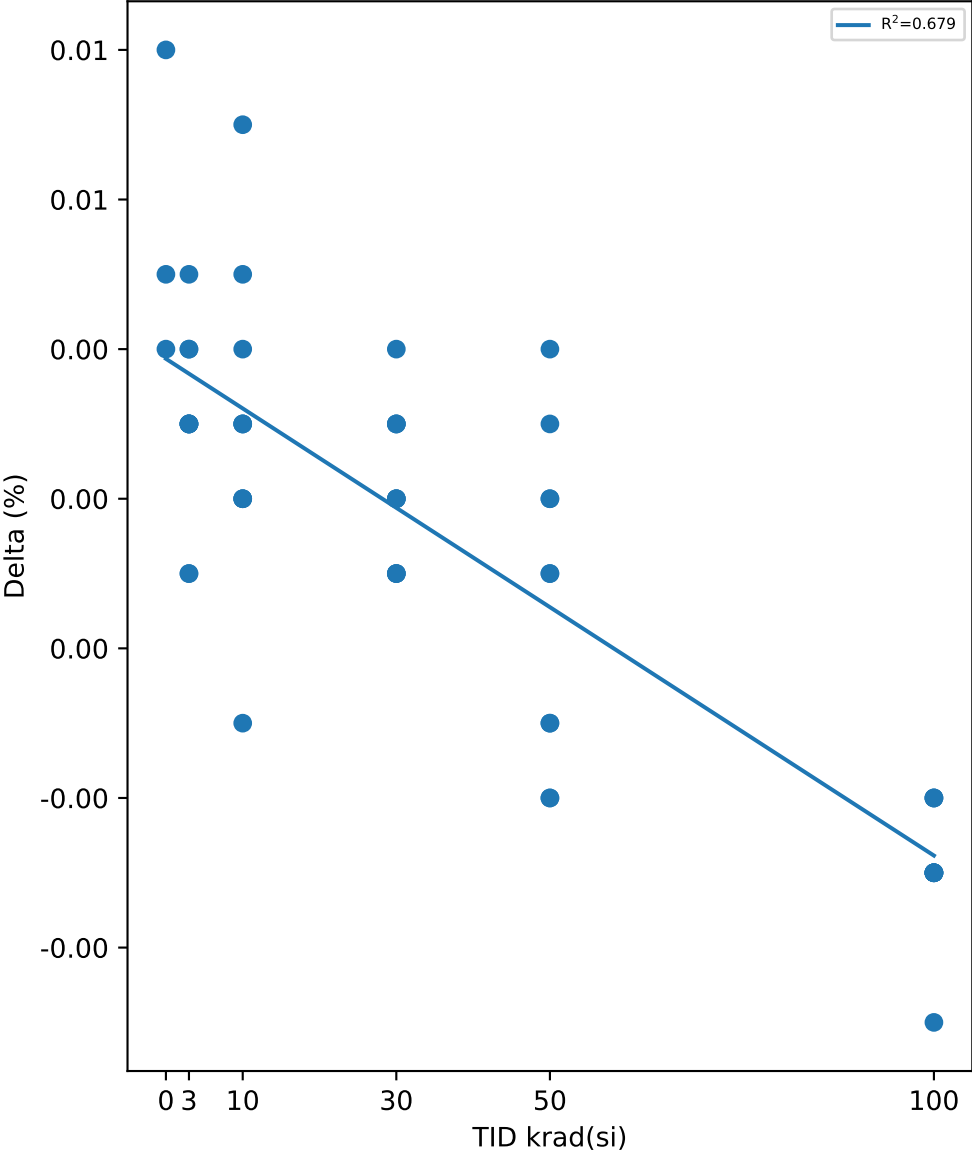
TID vs Result Stats



Test Results (Lower Limit = 75.0 (%))

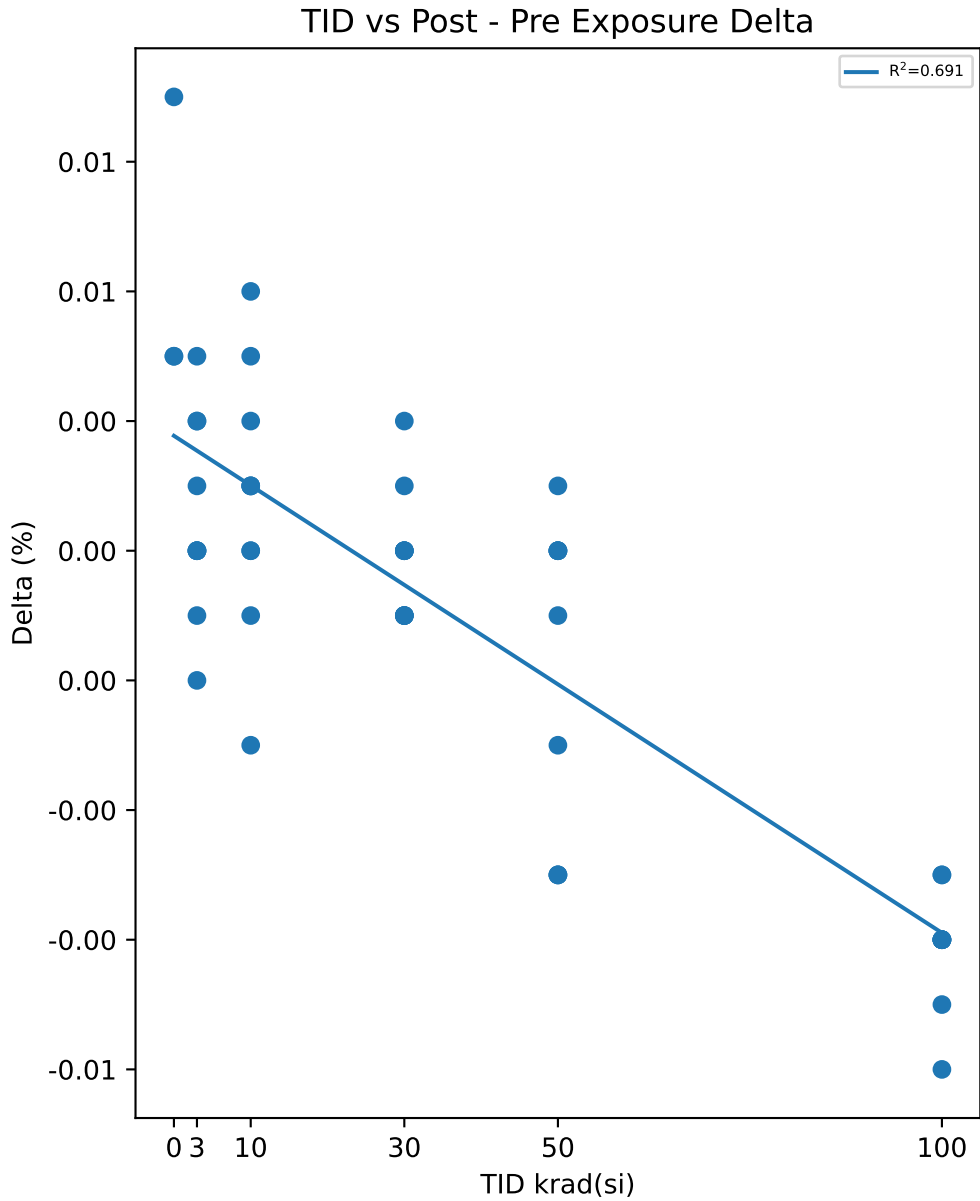
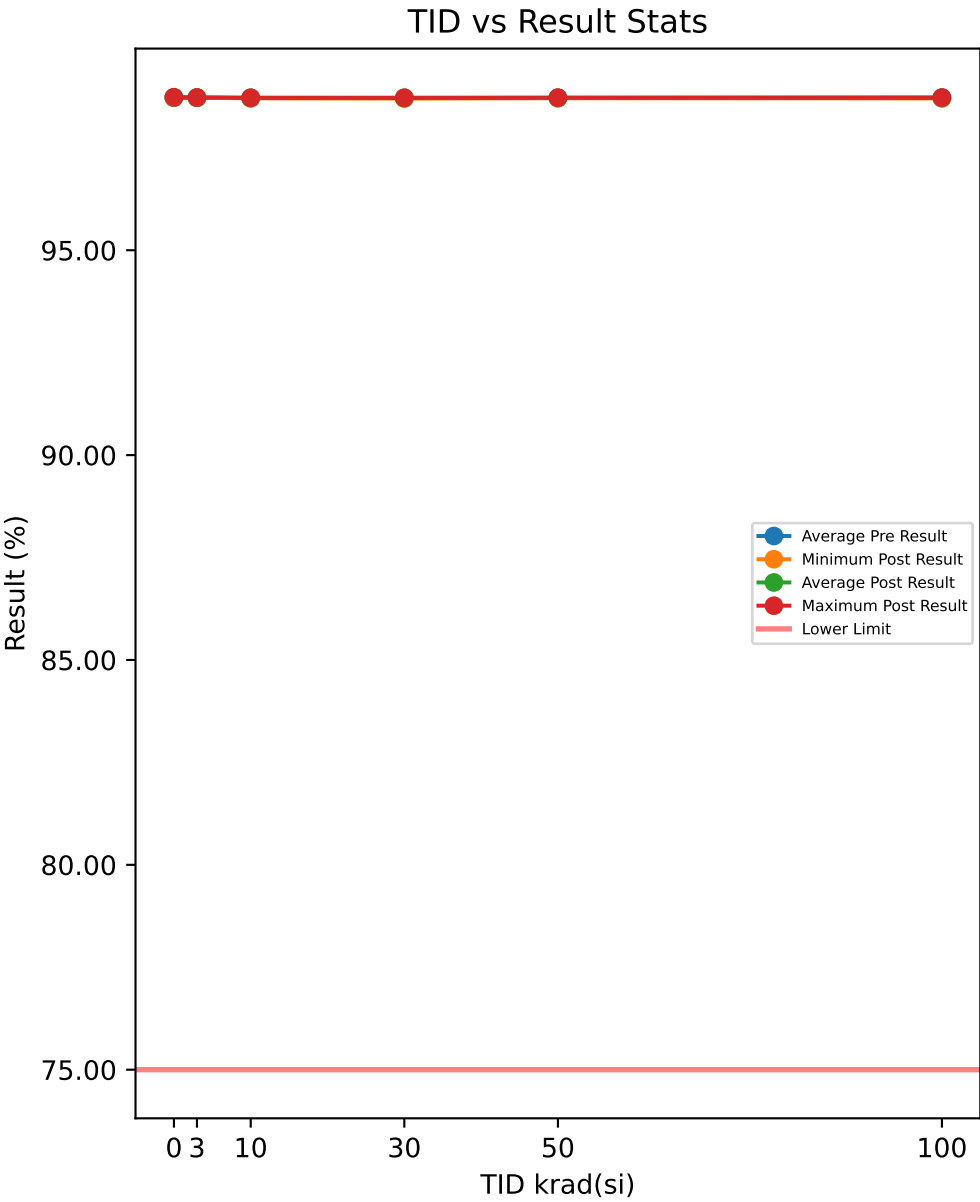
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 98.765     | 98.773      | 0.008  |
| 301      | 0        | Correlation         | 98.767     | 98.772      | 0.005  |
| 302      | 0        | Correlation         | 98.761     | 98.765      | 0.004  |
| 303      | 3        | Bias                | 98.767     | 98.772      | 0.005  |
| 304      | 3        | Bias                | 98.757     | 98.76       | 0.003  |
| 305      | 3        | Bias                | 98.764     | 98.768      | 0.004  |
| 306      | 3        | Bias                | 98.764     | 98.767      | 0.003  |
| 307      | 3        | Bias                | 98.76      | 98.764      | 0.004  |
| 308      | 3        | Unbiased            | 98.763     | 98.766      | 0.003  |
| 309      | 3        | Unbiased            | 98.762     | 98.763      | 0.001  |
| 310      | 3        | Unbiased            | 98.762     | 98.763      | 0.001  |
| 311      | 3        | Unbiased            | 98.768     | 98.771      | 0.003  |
| 312      | 3        | Unbiased            | 98.767     | 98.77       | 0.003  |
| 313      | 10       | Bias                | 98.759     | 98.762      | 0.003  |
| 314      | 10       | Bias                | 98.758     | 98.761      | 0.003  |
| 315      | 10       | Bias                | 98.756     | 98.758      | 0.002  |
| 316      | 10       | Bias                | 98.745     | 98.747      | 0.002  |
| 317      | 10       | Bias                | 98.755     | 98.758      | 0.003  |
| 318      | 10       | Unbiased            | 98.759     | 98.761      | 0.002  |
| 319      | 10       | Unbiased            | 98.757     | 98.762      | 0.005  |
| 320      | 10       | Unbiased            | 98.752     | 98.759      | 0.007  |
| 321      | 10       | Unbiased            | 98.756     | 98.755      | -0.001 |
| 322      | 10       | Unbiased            | 98.748     | 98.752      | 0.004  |
| 323      | 30       | Bias                | 98.758     | 98.759      | 0.001  |
| 324      | 30       | Bias                | 98.759     | 98.76       | 0.001  |
| 325      | 30       | Bias                | 98.749     | 98.752      | 0.003  |
| 326      | 30       | Bias                | 98.757     | 98.761      | 0.004  |
| 327      | 30       | Bias                | 98.744     | 98.747      | 0.003  |
| 328      | 30       | Unbiased            | 98.761     | 98.763      | 0.002  |
| 329      | 30       | Unbiased            | 98.753     | 98.755      | 0.002  |
| 330      | 30       | Unbiased            | 98.757     | 98.759      | 0.002  |
| 331      | 30       | Unbiased            | 98.76      | 98.761      | 0.001  |
| 332      | 30       | Unbiased            | 98.754     | 98.757      | 0.003  |
| 333      | 50       | Bias                | 98.756     | 98.758      | 0.002  |
| 334      | 50       | Bias                | 98.749     | 98.75       | 0.001  |
| 335      | 50       | Bias                | 98.761     | 98.763      | 0.002  |
| 336      | 50       | Bias                | 98.763     | 98.764      | 0.001  |
| 337      | 50       | Bias                | 98.747     | 98.75       | 0.003  |
| 338      | 50       | Unbiased            | 98.751     | 98.755      | 0.004  |
| 339      | 50       | Unbiased            | 98.77      | 98.768      | -0.002 |
| 340      | 50       | Unbiased            | 98.756     | 98.754      | -0.002 |
| 341      | 50       | Unbiased            | 98.763     | 98.762      | -0.001 |
| 342      | 50       | Unbiased            | 98.757     | 98.756      | -0.001 |
| 343      | 100      | Bias                | 98.764     | 98.762      | -0.002 |
| 344      | 100      | Bias                | 98.761     | 98.759      | -0.002 |
| 345      | 100      | Bias                | 98.759     | 98.756      | -0.003 |
| 346      | 100      | Bias                | 98.755     | 98.752      | -0.003 |
| 347      | 100      | Bias                | 98.76      | 98.757      | -0.003 |
| 348      | 100      | Unbiased            | 98.761     | 98.758      | -0.003 |
| 349      | 100      | Unbiased            | 98.747     | 98.744      | -0.003 |
| 350      | 100      | Unbiased            | 98.761     | 98.758      | -0.003 |
| 351      | 100      | Unbiased            | 98.753     | 98.748      | -0.005 |
| 352      | 100      | Unbiased            | 98.771     | 98.769      | -0.002 |

TID vs Post - Pre Exposure Delta



Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 98.761           | 98.764           | 98.767           | 0.0030551        | 98.765            | 98.77             | 98.773            | 0.0043589         | 0.004     | 0.0056667 | 0.008     | 0.0020817 |
| 3        | 98.757           | 98.763           | 98.768           | 0.0034059        | 98.76             | 98.766            | 98.772            | 0.0039215         | 0.001     | 0.003     | 0.005     | 0.0012472 |
| 10       | 98.745           | 98.754           | 98.759           | 0.0047434        | 98.747            | 98.757            | 98.762            | 0.0048819         | -0.001    | 0.003     | 0.007     | 0.0021082 |
| 30       | 98.744           | 98.755           | 98.761           | 0.0053292        | 98.747            | 98.757            | 98.763            | 0.004858          | 0.001     | 0.0022    | 0.004     | 0.0010328 |
| 50       | 98.747           | 98.757           | 98.77            | 0.0071344        | 98.75             | 98.758            | 98.768            | 0.0060919         | -0.002    | 0.0007    | 0.004     | 0.0021108 |
| 100      | 98.747           | 98.759           | 98.771           | 0.0064773        | 98.744            | 98.756            | 98.769            | 0.0070404         | -0.005    | -0.0029   | -0.002    | 0.0008756 |

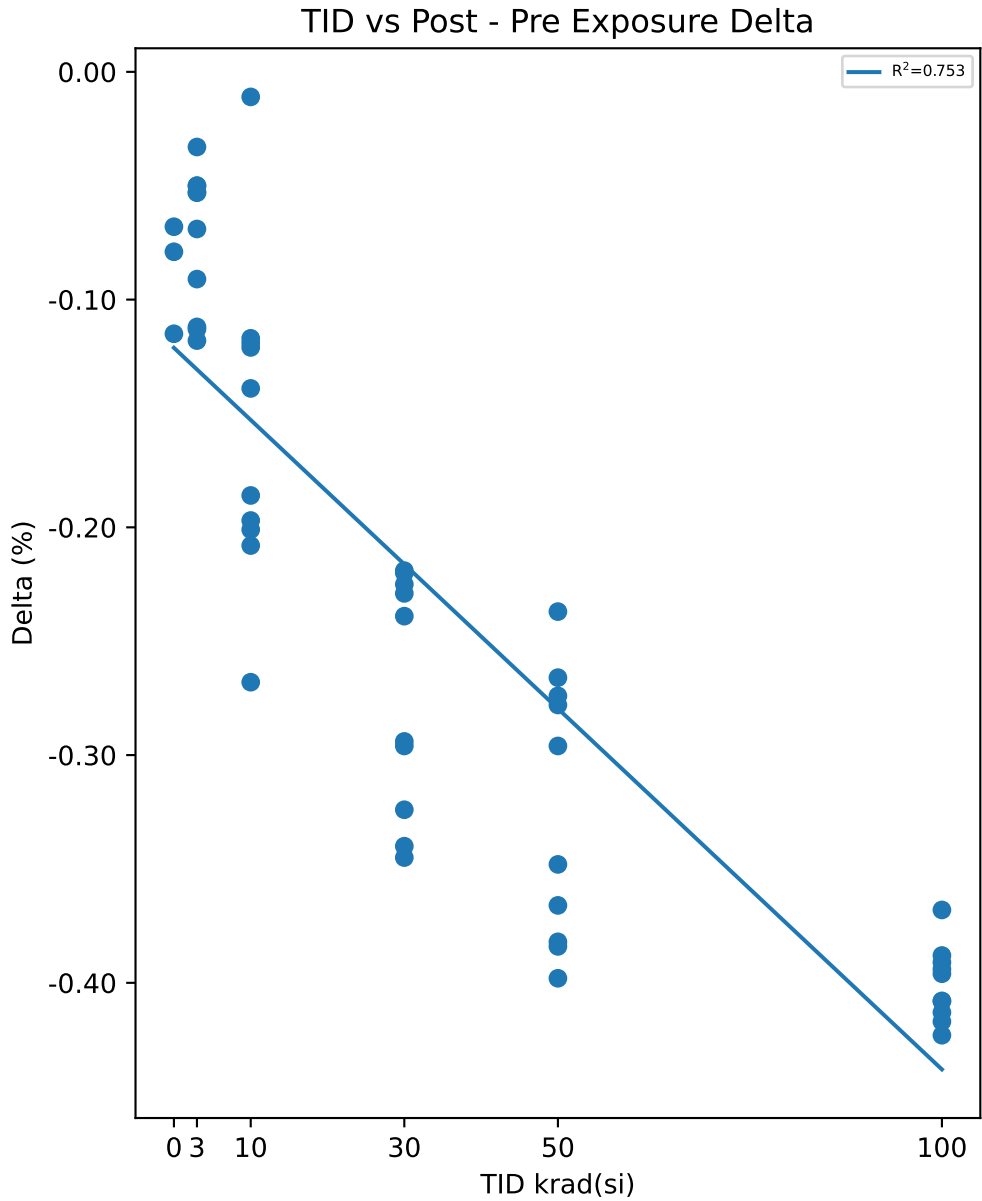
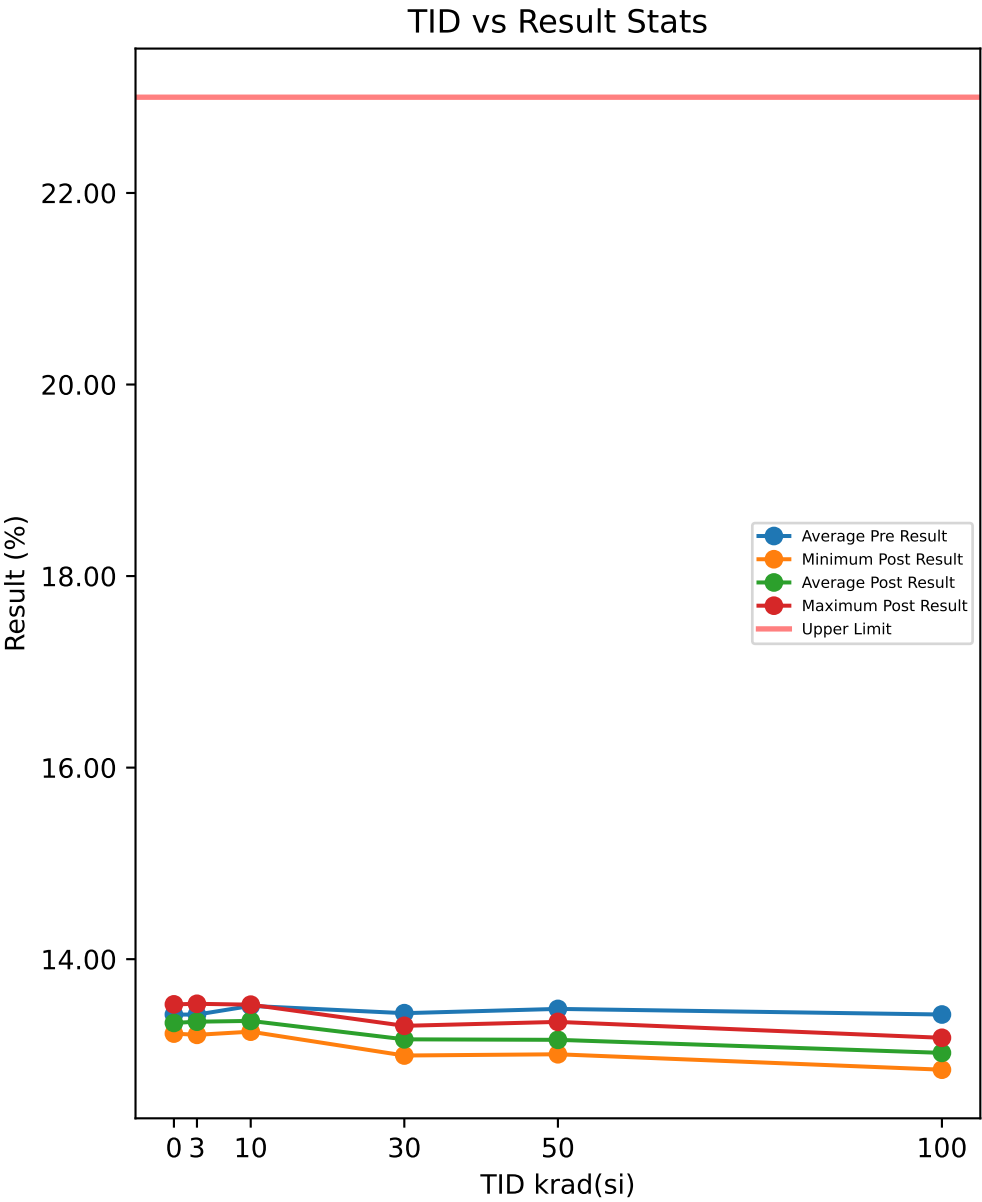


| Test Results (Lower Limit = 75.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 98.726     | 98.735      | 0.009  |
| 301                                   | 0        | Correlation         | 98.729     | 98.734      | 0.005  |
| 302                                   | 0        | Correlation         | 98.717     | 98.722      | 0.005  |
| 303                                   | 3        | Bias                | 98.721     | 98.725      | 0.004  |
| 304                                   | 3        | Bias                | 98.719     | 98.722      | 0.003  |
| 305                                   | 3        | Bias                | 98.722     | 98.726      | 0.004  |
| 306                                   | 3        | Bias                | 98.727     | 98.729      | 0.002  |
| 307                                   | 3        | Bias                | 98.72      | 98.725      | 0.005  |
| 308                                   | 3        | Unbiased            | 98.719     | 98.721      | 0.002  |
| 309                                   | 3        | Unbiased            | 98.722     | 98.723      | 0.001  |
| 310                                   | 3        | Unbiased            | 98.724     | 98.724      | 0      |
| 311                                   | 3        | Unbiased            | 98.726     | 98.728      | 0.002  |
| 312                                   | 3        | Unbiased            | 98.727     | 98.729      | 0.002  |
| 313                                   | 10       | Bias                | 98.718     | 98.721      | 0.003  |
| 314                                   | 10       | Bias                | 98.717     | 98.72       | 0.003  |
| 315                                   | 10       | Bias                | 98.713     | 98.716      | 0.003  |
| 316                                   | 10       | Bias                | 98.706     | 98.708      | 0.002  |
| 317                                   | 10       | Bias                | 98.714     | 98.715      | 0.001  |
| 318                                   | 10       | Unbiased            | 98.719     | 98.721      | 0.002  |
| 319                                   | 10       | Unbiased            | 98.717     | 98.722      | 0.005  |
| 320                                   | 10       | Unbiased            | 98.714     | 98.72       | 0.006  |
| 321                                   | 10       | Unbiased            | 98.718     | 98.717      | -0.001 |
| 322                                   | 10       | Unbiased            | 98.709     | 98.713      | 0.004  |
| 323                                   | 30       | Bias                | 98.717     | 98.719      | 0.002  |
| 324                                   | 30       | Bias                | 98.714     | 98.715      | 0.001  |
| 325                                   | 30       | Bias                | 98.711     | 98.713      | 0.002  |
| 326                                   | 30       | Bias                | 98.718     | 98.722      | 0.004  |
| 327                                   | 30       | Bias                | 98.7       | 98.702      | 0.002  |
| 328                                   | 30       | Unbiased            | 98.718     | 98.72       | 0.002  |
| 329                                   | 30       | Unbiased            | 98.716     | 98.717      | 0.001  |
| 330                                   | 30       | Unbiased            | 98.713     | 98.714      | 0.001  |
| 331                                   | 30       | Unbiased            | 98.719     | 98.72       | 0.001  |
| 332                                   | 30       | Unbiased            | 98.713     | 98.716      | 0.003  |
| 333                                   | 50       | Bias                | 98.715     | 98.717      | 0.002  |
| 334                                   | 50       | Bias                | 98.712     | 98.714      | 0.002  |
| 335                                   | 50       | Bias                | 98.721     | 98.722      | 0.001  |
| 336                                   | 50       | Bias                | 98.722     | 98.724      | 0.002  |
| 337                                   | 50       | Bias                | 98.708     | 98.71       | 0.002  |
| 338                                   | 50       | Unbiased            | 98.71      | 98.713      | 0.003  |
| 339                                   | 50       | Unbiased            | 98.726     | 98.723      | -0.003 |
| 340                                   | 50       | Unbiased            | 98.717     | 98.714      | -0.003 |
| 341                                   | 50       | Unbiased            | 98.726     | 98.723      | -0.003 |
| 342                                   | 50       | Unbiased            | 98.715     | 98.714      | -0.001 |
| 343                                   | 100      | Bias                | 98.725     | 98.721      | -0.004 |
| 344                                   | 100      | Bias                | 98.724     | 98.721      | -0.003 |
| 345                                   | 100      | Bias                | 98.722     | 98.718      | -0.004 |
| 346                                   | 100      | Bias                | 98.715     | 98.711      | -0.004 |
| 347                                   | 100      | Bias                | 98.722     | 98.718      | -0.004 |
| 348                                   | 100      | Unbiased            | 98.721     | 98.717      | -0.004 |
| 349                                   | 100      | Unbiased            | 98.709     | 98.705      | -0.004 |
| 350                                   | 100      | Unbiased            | 98.721     | 98.718      | -0.003 |
| 351                                   | 100      | Unbiased            | 98.716     | 98.71       | -0.006 |
| 352                                   | 100      | Unbiased            | 98.733     | 98.728      | -0.005 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| 0        | 98.717           | 98.724           | 98.729           | 0.006245         | 98.722            | 98.73             | 98.735            | 0.0072342         | 0.005     | 0.0063333 | 0.009     | 0.0023094  |
| 3        | 98.719           | 98.723           | 98.727           | 0.0031287        | 98.721            | 98.725            | 98.729            | 0.0028206         | 0         | 0.0025    | 0.005     | 0.0015092  |
| 10       | 98.706           | 98.715           | 98.719           | 0.0042492        | 98.708            | 98.717            | 98.722            | 0.0044234         | -0.001    | 0.0028    | 0.006     | 0.0019889  |
| 30       | 98.7             | 98.714           | 98.719           | 0.0055468        | 98.702            | 98.716            | 98.722            | 0.0056529         | 0.001     | 0.0019    | 0.004     | 0.00099443 |
| 50       | 98.708           | 98.717           | 98.726           | 0.0063736        | 98.71             | 98.717            | 98.724            | 0.0051251         | -0.003    | 0.0002    | 0.003     | 0.0024404  |
| 100      | 98.709           | 98.721           | 98.733           | 0.0064601        | 98.705            | 98.717            | 98.728            | 0.0065328         | -0.006    | -0.0041   | -0.003    | 0.0008756  |

Device Test: 6.113; VOL\_RESET\_10MA



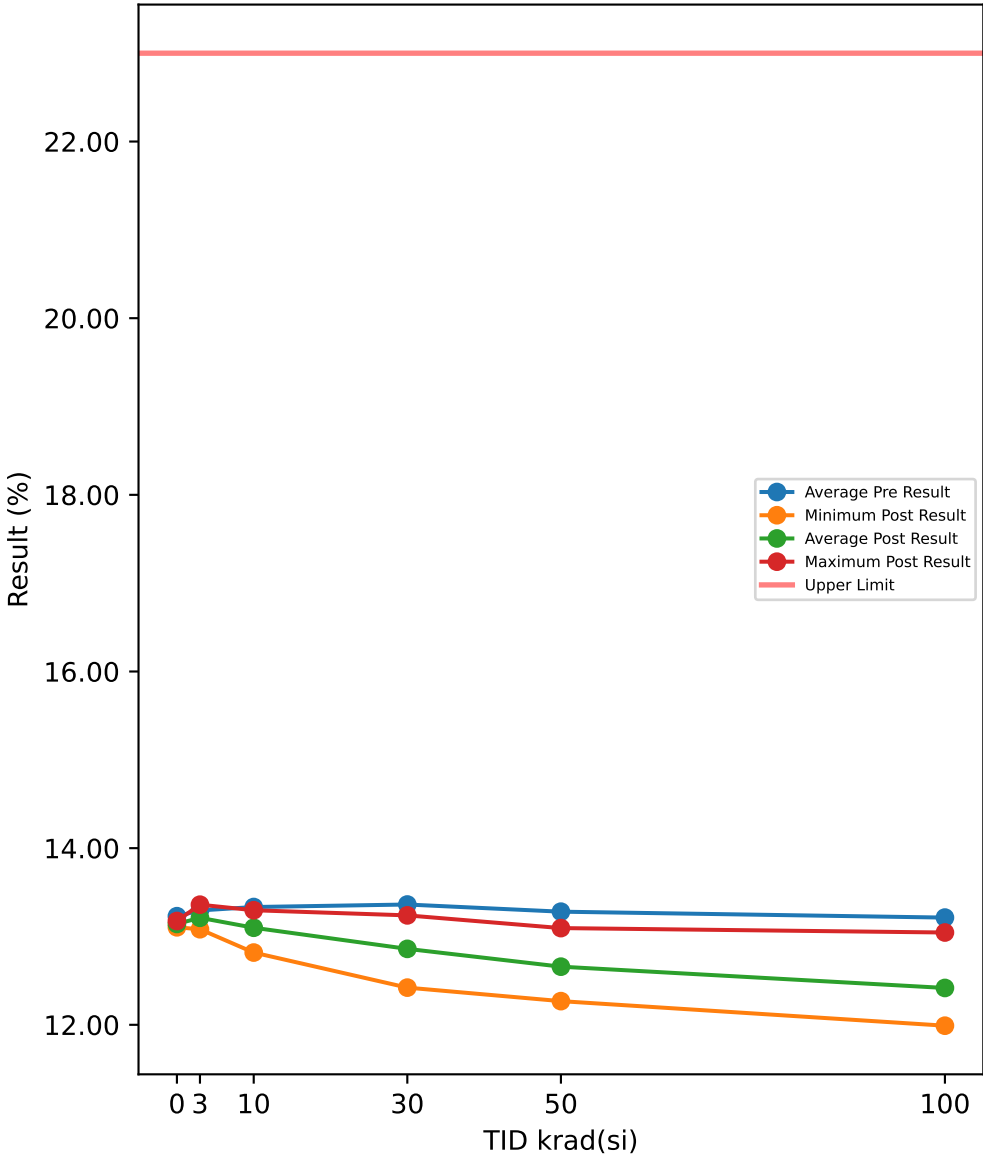
| Test Results (Upper Limit = 23.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 13.367     | 13.252      | -0.115 |
| 301                                   | 0        | Correlation         | 13.302     | 13.223      | -0.079 |
| 302                                   | 0        | Correlation         | 13.596     | 13.528      | -0.068 |
| 303                                   | 3        | Bias                | 13.355     | 13.242      | -0.113 |
| 304                                   | 3        | Bias                | 13.652     | 13.534      | -0.118 |
| 305                                   | 3        | Bias                | 13.428     | 13.316      | -0.112 |
| 306                                   | 3        | Bias                | 13.43      | 13.339      | -0.091 |
| 307                                   | 3        | Bias                | 13.42      | 13.351      | -0.069 |
| 308                                   | 3        | Unbiased            | 13.409     | 13.356      | -0.053 |
| 309                                   | 3        | Unbiased            | 13.552     | 13.502      | -0.05  |
| 310                                   | 3        | Unbiased            | 13.398     | 13.365      | -0.033 |
| 311                                   | 3        | Unbiased            | 13.26      | 13.21       | -0.05  |
| 312                                   | 3        | Unbiased            | 13.31      | 13.257      | -0.053 |
| 313                                   | 10       | Bias                | 13.51      | 13.324      | -0.186 |
| 314                                   | 10       | Bias                | 13.589     | 13.388      | -0.201 |
| 315                                   | 10       | Bias                | 13.463     | 13.266      | -0.197 |
| 316                                   | 10       | Bias                | 13.478     | 13.357      | -0.121 |
| 317                                   | 10       | Bias                | 13.49      | 13.282      | -0.208 |
| 318                                   | 10       | Unbiased            | 13.464     | 13.347      | -0.117 |
| 319                                   | 10       | Unbiased            | 13.362     | 13.243      | -0.119 |
| 320                                   | 10       | Unbiased            | 13.612     | 13.344      | -0.268 |
| 321                                   | 10       | Unbiased            | 13.489     | 13.478      | -0.011 |
| 322                                   | 10       | Unbiased            | 13.664     | 13.525      | -0.139 |
| 323                                   | 30       | Bias                | 13.431     | 13.135      | -0.296 |
| 324                                   | 30       | Bias                | 13.378     | 13.084      | -0.294 |
| 325                                   | 30       | Bias                | 13.601     | 13.256      | -0.345 |
| 326                                   | 30       | Bias                | 13.334     | 12.994      | -0.34  |
| 327                                   | 30       | Bias                | 13.519     | 13.195      | -0.324 |
| 328                                   | 30       | Unbiased            | 13.334     | 13.115      | -0.219 |
| 329                                   | 30       | Unbiased            | 13.524     | 13.304      | -0.22  |
| 330                                   | 30       | Unbiased            | 13.355     | 13.126      | -0.229 |
| 331                                   | 30       | Unbiased            | 13.479     | 13.24       | -0.239 |
| 332                                   | 30       | Unbiased            | 13.406     | 13.181      | -0.225 |
| 333                                   | 50       | Bias                | 13.355     | 13.007      | -0.348 |
| 334                                   | 50       | Bias                | 13.553     | 13.187      | -0.366 |
| 335                                   | 50       | Bias                | 13.429     | 13.045      | -0.384 |
| 336                                   | 50       | Bias                | 13.503     | 13.121      | -0.382 |
| 337                                   | 50       | Bias                | 13.691     | 13.293      | -0.398 |
| 338                                   | 50       | Unbiased            | 13.412     | 13.116      | -0.296 |
| 339                                   | 50       | Unbiased            | 13.256     | 13.019      | -0.237 |
| 340                                   | 50       | Unbiased            | 13.49      | 13.216      | -0.274 |
| 341                                   | 50       | Unbiased            | 13.495     | 13.229      | -0.266 |
| 342                                   | 50       | Unbiased            | 13.623     | 13.345      | -0.278 |
| 343                                   | 100      | Bias                | 13.388     | 12.997      | -0.391 |
| 344                                   | 100      | Bias                | 13.462     | 13.054      | -0.408 |
| 345                                   | 100      | Bias                | 13.394     | 12.981      | -0.413 |
| 346                                   | 100      | Bias                | 13.505     | 13.097      | -0.408 |
| 347                                   | 100      | Bias                | 13.457     | 13.063      | -0.394 |
| 348                                   | 100      | Unbiased            | 13.575     | 13.179      | -0.396 |
| 349                                   | 100      | Unbiased            | 13.42      | 13.052      | -0.368 |
| 350                                   | 100      | Unbiased            | 13.269     | 12.846      | -0.423 |
| 351                                   | 100      | Unbiased            | 13.472     | 13.055      | -0.417 |
| 352                                   | 100      | Unbiased            | 13.28      | 12.892      | -0.388 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 13.302           | 13.422           | 13.596           | 0.15444          | 13.223            | 13.334            | 13.528            | 0.16835           | -0.115    | -0.087333 | -0.068    | 0.024583  |
| 3        | 13.26            | 13.421           | 13.652           | 0.11251          | 13.21             | 13.347            | 13.534            | 0.10453           | -0.118    | -0.0742   | -0.033    | 0.031499  |
| 10       | 13.362           | 13.512           | 13.664           | 0.087185         | 13.243            | 13.355            | 13.525            | 0.08948           | -0.268    | -0.1567   | -0.011    | 0.070929  |
| 30       | 13.334           | 13.436           | 13.601           | 0.091509         | 12.994            | 13.163            | 13.304            | 0.091327          | -0.345    | -0.2731   | -0.219    | 0.052031  |
| 50       | 13.256           | 13.481           | 13.691           | 0.12657          | 13.007            | 13.158            | 13.345            | 0.11569           | -0.398    | -0.3229   | -0.237    | 0.058785  |
| 100      | 13.269           | 13.422           | 13.575           | 0.09495          | 12.846            | 13.022            | 13.179            | 0.097267          | -0.423    | -0.4006   | -0.368    | 0.016372  |

Device Test: 6.114; VOL\_RESET\_10MA

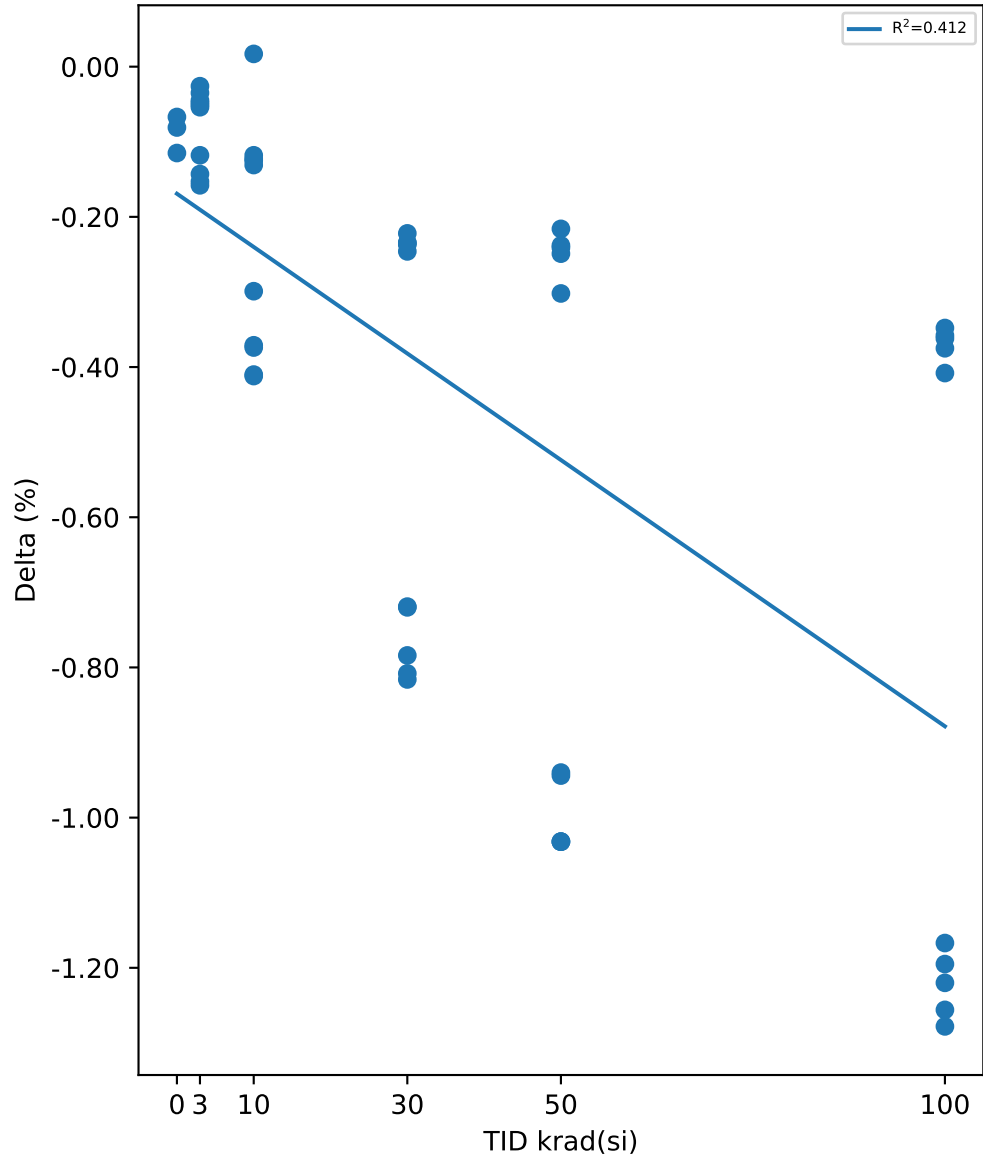
TID vs Result Stats



Test Results (Upper Limit = 23.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 13.29      | 13.175      | -0.115 |
| 301      | 0        | Correlation         | 13.185     | 13.104      | -0.081 |
| 302      | 0        | Correlation         | 13.214     | 13.147      | -0.067 |
| 303      | 3        | Bias                | 13.292     | 13.149      | -0.143 |
| 304      | 3        | Bias                | 13.328     | 13.175      | -0.153 |
| 305      | 3        | Bias                | 13.401     | 13.243      | -0.158 |
| 306      | 3        | Bias                | 13.302     | 13.184      | -0.118 |
| 307      | 3        | Bias                | 13.351     | 13.306      | -0.045 |
| 308      | 3        | Unbiased            | 13.376     | 13.35       | -0.026 |
| 309      | 3        | Unbiased            | 13.179     | 13.131      | -0.048 |
| 310      | 3        | Unbiased            | 13.395     | 13.36       | -0.035 |
| 311      | 3        | Unbiased            | 13.188     | 13.137      | -0.051 |
| 312      | 3        | Unbiased            | 13.136     | 13.082      | -0.054 |
| 313      | 10       | Bias                | 13.424     | 13.053      | -0.371 |
| 314      | 10       | Bias                | 13.192     | 12.818      | -0.374 |
| 315      | 10       | Bias                | 13.416     | 13.006      | -0.41  |
| 316      | 10       | Bias                | 13.283     | 13.16       | -0.123 |
| 317      | 10       | Bias                | 13.472     | 13.06       | -0.412 |
| 318      | 10       | Unbiased            | 13.136     | 13.018      | -0.118 |
| 319      | 10       | Unbiased            | 13.397     | 13.272      | -0.125 |
| 320      | 10       | Unbiased            | 13.28      | 13.297      | 0.017  |
| 321      | 10       | Unbiased            | 13.448     | 13.149      | -0.299 |
| 322      | 10       | Unbiased            | 13.287     | 13.156      | -0.131 |
| 323      | 30       | Bias                | 13.431     | 12.711      | -0.72  |
| 324      | 30       | Bias                | 13.377     | 12.658      | -0.719 |
| 325      | 30       | Bias                | 13.237     | 12.421      | -0.816 |
| 326      | 30       | Bias                | 13.281     | 12.473      | -0.808 |
| 327      | 30       | Bias                | 13.519     | 12.735      | -0.784 |
| 328      | 30       | Unbiased            | 13.297     | 13.063      | -0.234 |
| 329      | 30       | Unbiased            | 13.461     | 13.239      | -0.222 |
| 330      | 30       | Unbiased            | 13.212     | 12.977      | -0.235 |
| 331      | 30       | Unbiased            | 13.368     | 13.122      | -0.246 |
| 332      | 30       | Unbiased            | 13.436     | 13.199      | -0.237 |
| 333      | 50       | Bias                | 13.332     | 12.388      | -0.944 |
| 334      | 50       | Bias                | 13.208     | 12.268      | -0.94  |
| 335      | 50       | Bias                | 13.376     | 12.344      | -1.032 |
| 336      | 50       | Bias                | 13.4       | 12.368      | -1.032 |
| 337      | 50       | Bias                | 13.41      | 12.378      | -1.032 |
| 338      | 50       | Unbiased            | 13.292     | 12.99       | -0.302 |
| 339      | 50       | Unbiased            | 13.093     | 12.877      | -0.216 |
| 340      | 50       | Unbiased            | 13.213     | 12.964      | -0.249 |
| 341      | 50       | Unbiased            | 13.336     | 13.095      | -0.241 |
| 342      | 50       | Unbiased            | 13.148     | 12.91       | -0.238 |
| 343      | 100      | Bias                | 13.157     | 11.99       | -1.167 |
| 344      | 100      | Bias                | 13.253     | 12.058      | -1.195 |
| 345      | 100      | Bias                | 13.264     | 12.008      | -1.256 |
| 346      | 100      | Bias                | 13.311     | 12.033      | -1.278 |
| 347      | 100      | Bias                | 13.274     | 12.054      | -1.22  |
| 348      | 100      | Unbiased            | 13.124     | 12.776      | -0.348 |
| 349      | 100      | Unbiased            | 13.403     | 13.045      | -0.358 |
| 350      | 100      | Unbiased            | 13.161     | 12.753      | -0.408 |
| 351      | 100      | Unbiased            | 13.091     | 12.716      | -0.375 |
| 352      | 100      | Unbiased            | 13.101     | 12.739      | -0.362 |

TID vs Post - Pre Exposure Delta



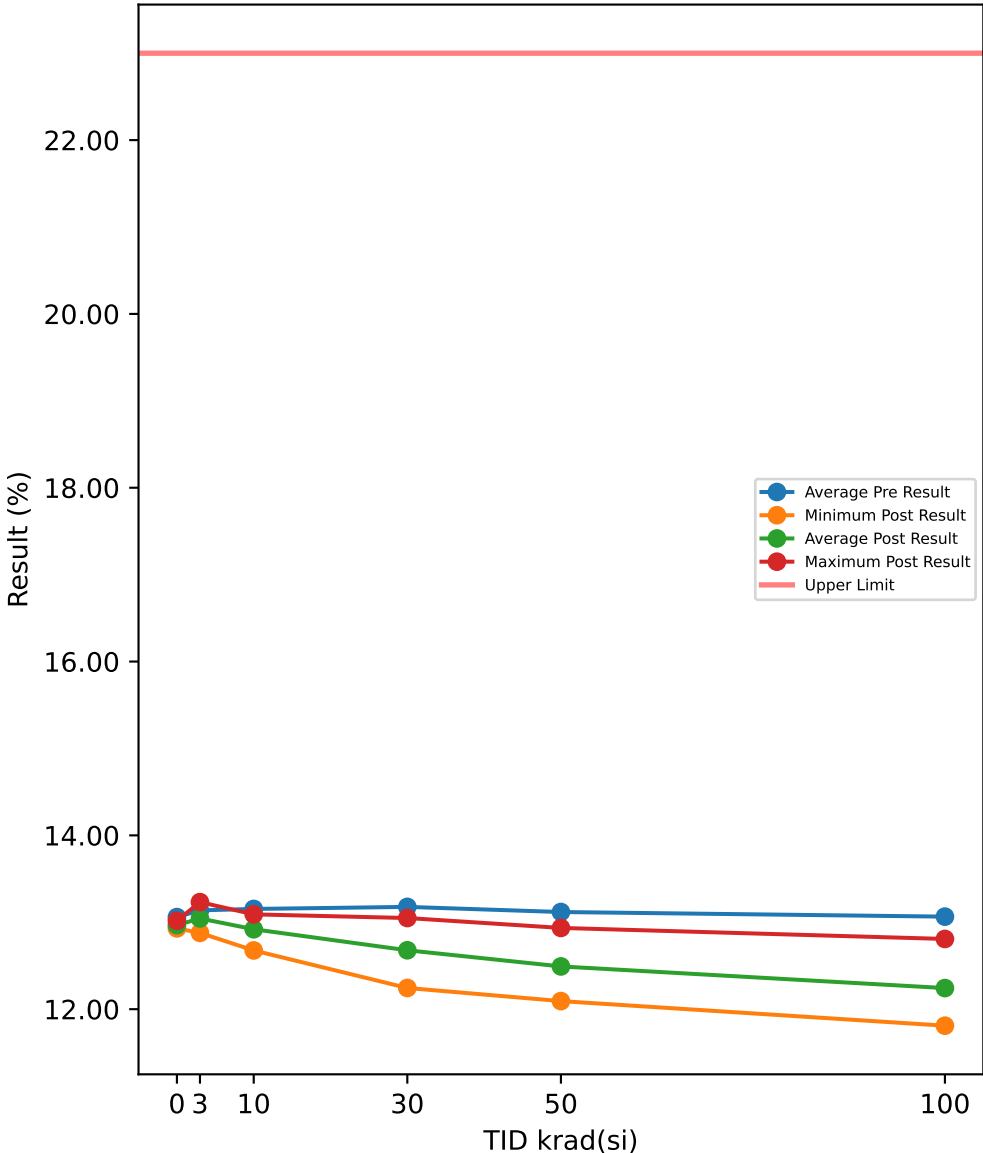
Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 13.185           | 13.23            | 13.29            | 0.054225         | 13.104            | 13.142            | 13.175            | 0.035763          | -0.115    | -0.087667 | -0.067    | 0.024685  |
| 3        | 13.136           | 13.295           | 13.401           | 0.095607         | 13.082            | 13.212            | 13.36             | 0.097725          | -0.158    | -0.0831   | -0.026    | 0.053163  |
| 10       | 13.136           | 13.334           | 13.472           | 0.11447          | 12.818            | 13.099            | 13.297            | 0.14              | -0.412    | -0.2346   | 0.017     | 0.15511   |
| 30       | 13.212           | 13.362           | 13.519           | 0.10212          | 12.421            | 12.86             | 13.239            | 0.29874           | -0.816    | -0.5021   | -0.222    | 0.28356   |
| 50       | 13.093           | 13.281           | 13.41            | 0.10983          | 12.268            | 12.658            | 13.095            | 0.33206           | -1.032    | -0.6226   | -0.216    | 0.39554   |
| 100      | 13.091           | 13.214           | 13.403           | 0.10264          | 11.99             | 12.417            | 13.045            | 0.41992           | -1.278    | -0.7967   | -0.348    | 0.45083   |



Device Test: 6.115; VOL\_RESET\_10MA

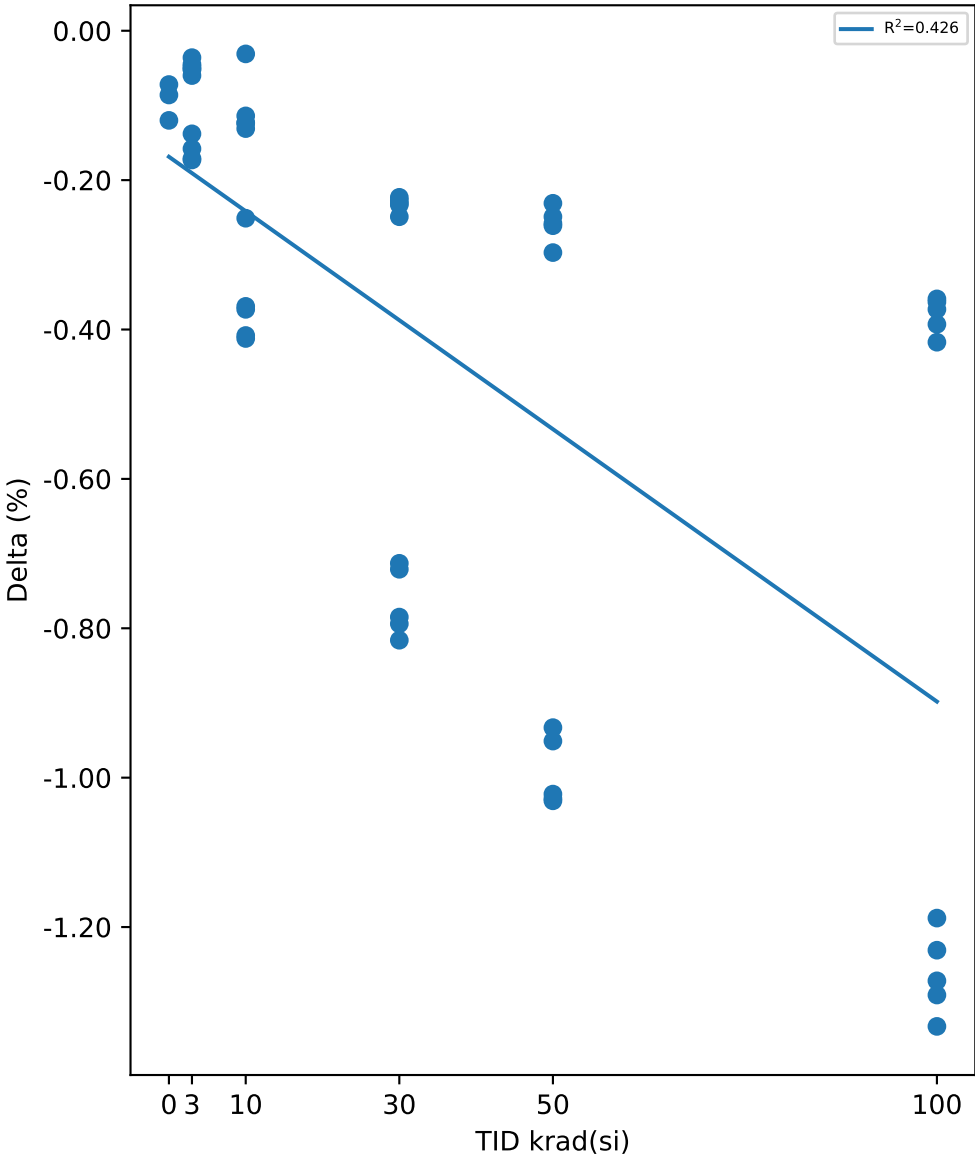
TID vs Result Stats



Test Results (Upper Limit = 23.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 13.137     | 13.017      | -0.12  |
| 301      | 0        | Correlation         | 13.016     | 12.93       | -0.086 |
| 302      | 0        | Correlation         | 13.026     | 12.954      | -0.072 |
| 303      | 3        | Bias                | 13.111     | 12.953      | -0.158 |
| 304      | 3        | Bias                | 13.273     | 13.1        | -0.173 |
| 305      | 3        | Bias                | 13.162     | 12.991      | -0.171 |
| 306      | 3        | Bias                | 13.192     | 13.054      | -0.138 |
| 307      | 3        | Bias                | 13.176     | 13.116      | -0.06  |
| 308      | 3        | Unbiased            | 13.277     | 13.232      | -0.045 |
| 309      | 3        | Unbiased            | 13.049     | 13.001      | -0.048 |
| 310      | 3        | Unbiased            | 13.212     | 13.176      | -0.036 |
| 311      | 3        | Unbiased            | 12.989     | 12.938      | -0.051 |
| 312      | 3        | Unbiased            | 12.93      | 12.878      | -0.052 |
| 313      | 10       | Bias                | 13.263     | 12.894      | -0.369 |
| 314      | 10       | Bias                | 13.049     | 12.676      | -0.373 |
| 315      | 10       | Bias                | 13.198     | 12.79       | -0.408 |
| 316      | 10       | Bias                | 13.11      | 12.987      | -0.123 |
| 317      | 10       | Bias                | 13.294     | 12.882      | -0.412 |
| 318      | 10       | Unbiased            | 12.935     | 12.821      | -0.114 |
| 319      | 10       | Unbiased            | 13.171     | 13.047      | -0.124 |
| 320      | 10       | Unbiased            | 13.122     | 13.091      | -0.031 |
| 321      | 10       | Unbiased            | 13.242     | 12.991      | -0.251 |
| 322      | 10       | Unbiased            | 13.149     | 13.018      | -0.131 |
| 323      | 30       | Bias                | 13.272     | 12.551      | -0.721 |
| 324      | 30       | Bias                | 13.163     | 12.45       | -0.713 |
| 325      | 30       | Bias                | 13.1       | 12.284      | -0.816 |
| 326      | 30       | Bias                | 13.038     | 12.244      | -0.794 |
| 327      | 30       | Bias                | 13.344     | 12.559      | -0.785 |
| 328      | 30       | Unbiased            | 13.063     | 12.836      | -0.227 |
| 329      | 30       | Unbiased            | 13.272     | 13.049      | -0.223 |
| 330      | 30       | Unbiased            | 13.015     | 12.784      | -0.231 |
| 331      | 30       | Unbiased            | 13.281     | 13.032      | -0.249 |
| 332      | 30       | Unbiased            | 13.222     | 12.989      | -0.233 |
| 333      | 50       | Bias                | 13.124     | 12.191      | -0.933 |
| 334      | 50       | Bias                | 13.044     | 12.093      | -0.951 |
| 335      | 50       | Bias                | 13.208     | 12.186      | -1.022 |
| 336      | 50       | Bias                | 13.287     | 12.259      | -1.028 |
| 337      | 50       | Bias                | 13.239     | 12.208      | -1.031 |
| 338      | 50       | Unbiased            | 13.103     | 12.806      | -0.297 |
| 339      | 50       | Unbiased            | 12.938     | 12.707      | -0.231 |
| 340      | 50       | Unbiased            | 13.039     | 12.778      | -0.261 |
| 341      | 50       | Unbiased            | 13.193     | 12.935      | -0.258 |
| 342      | 50       | Unbiased            | 13.005     | 12.756      | -0.249 |
| 343      | 100      | Bias                | 12.998     | 11.81       | -1.188 |
| 344      | 100      | Bias                | 13.143     | 11.912      | -1.231 |
| 345      | 100      | Bias                | 13.097     | 11.825      | -1.272 |
| 346      | 100      | Bias                | 13.277     | 11.944      | -1.333 |
| 347      | 100      | Bias                | 13.177     | 11.886      | -1.291 |
| 348      | 100      | Unbiased            | 12.964     | 12.605      | -0.359 |
| 349      | 100      | Unbiased            | 13.171     | 12.808      | -0.363 |
| 350      | 100      | Unbiased            | 12.967     | 12.55       | -0.417 |
| 351      | 100      | Unbiased            | 13.007     | 12.614      | -0.393 |
| 352      | 100      | Unbiased            | 12.848     | 12.475      | -0.373 |

TID vs Post - Pre Exposure Delta

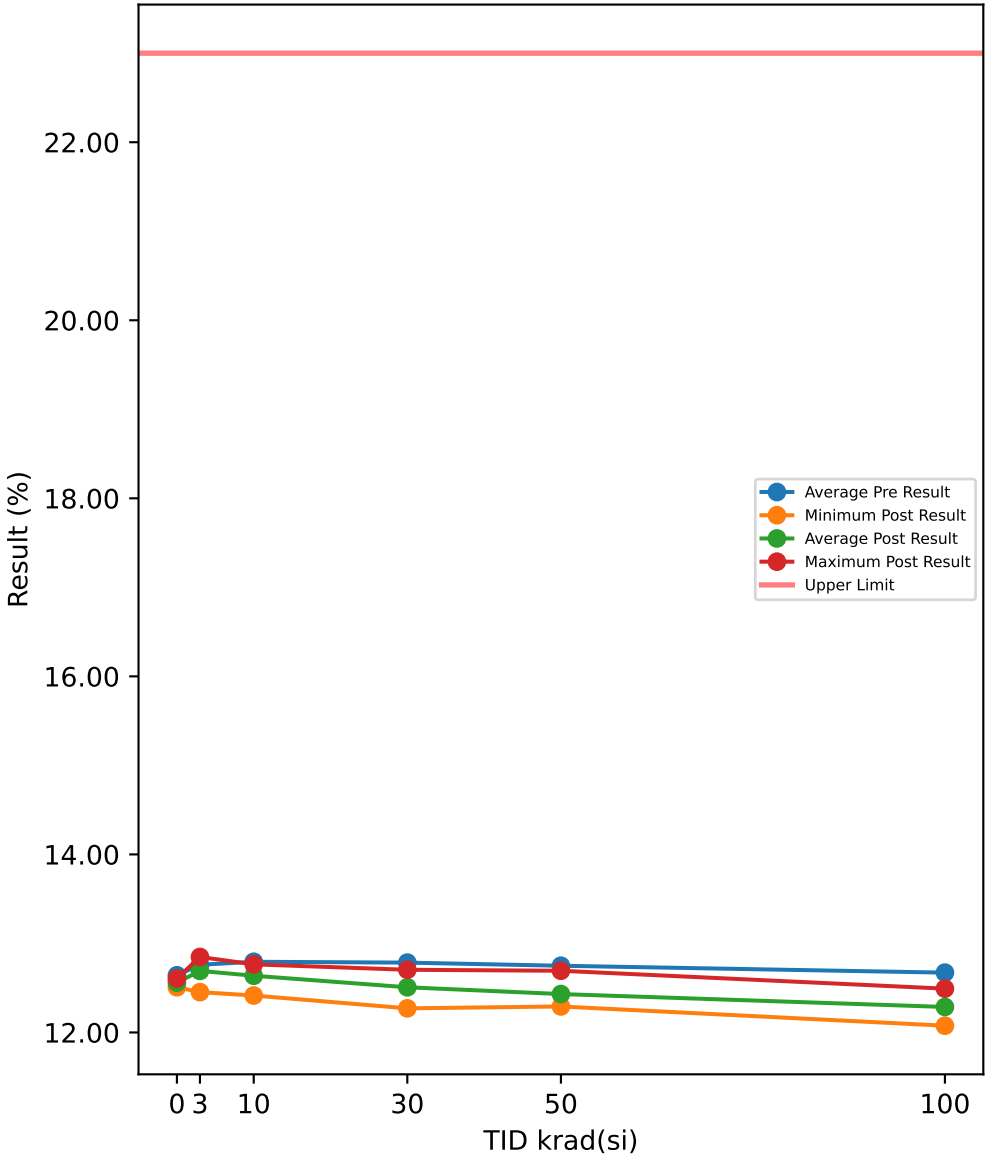


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 13.016           | 13.06            | 13.137           | 0.067159         | 12.93             | 12.967            | 13.017            | 0.044933          | -0.12     | -0.092667 | -0.072    | 0.024685  |
| 3        | 12.93            | 13.137           | 13.277           | 0.11646          | 12.878            | 13.044            | 13.232            | 0.11201           | -0.173    | -0.0932   | -0.036    | 0.058543  |
| 10       | 12.935           | 13.153           | 13.294           | 0.10719          | 12.676            | 12.92             | 13.091            | 0.13032           | -0.412    | -0.2336   | -0.031    | 0.14546   |
| 30       | 13.015           | 13.177           | 13.344           | 0.11713          | 12.244            | 12.678            | 13.049            | 0.30217           | -0.816    | -0.4992   | -0.223    | 0.28277   |
| 50       | 12.938           | 13.118           | 13.287           | 0.11258          | 12.093            | 12.492            | 12.935            | 0.32846           | -1.031    | -0.6261   | -0.231    | 0.38835   |
| 100      | 12.848           | 13.065           | 13.277           | 0.12935          | 11.81             | 12.243            | 12.808            | 0.39786           | -1.333    | -0.822    | -0.359    | 0.46661   |

Device Test: 6.116; VOL\_RESET\_10MA

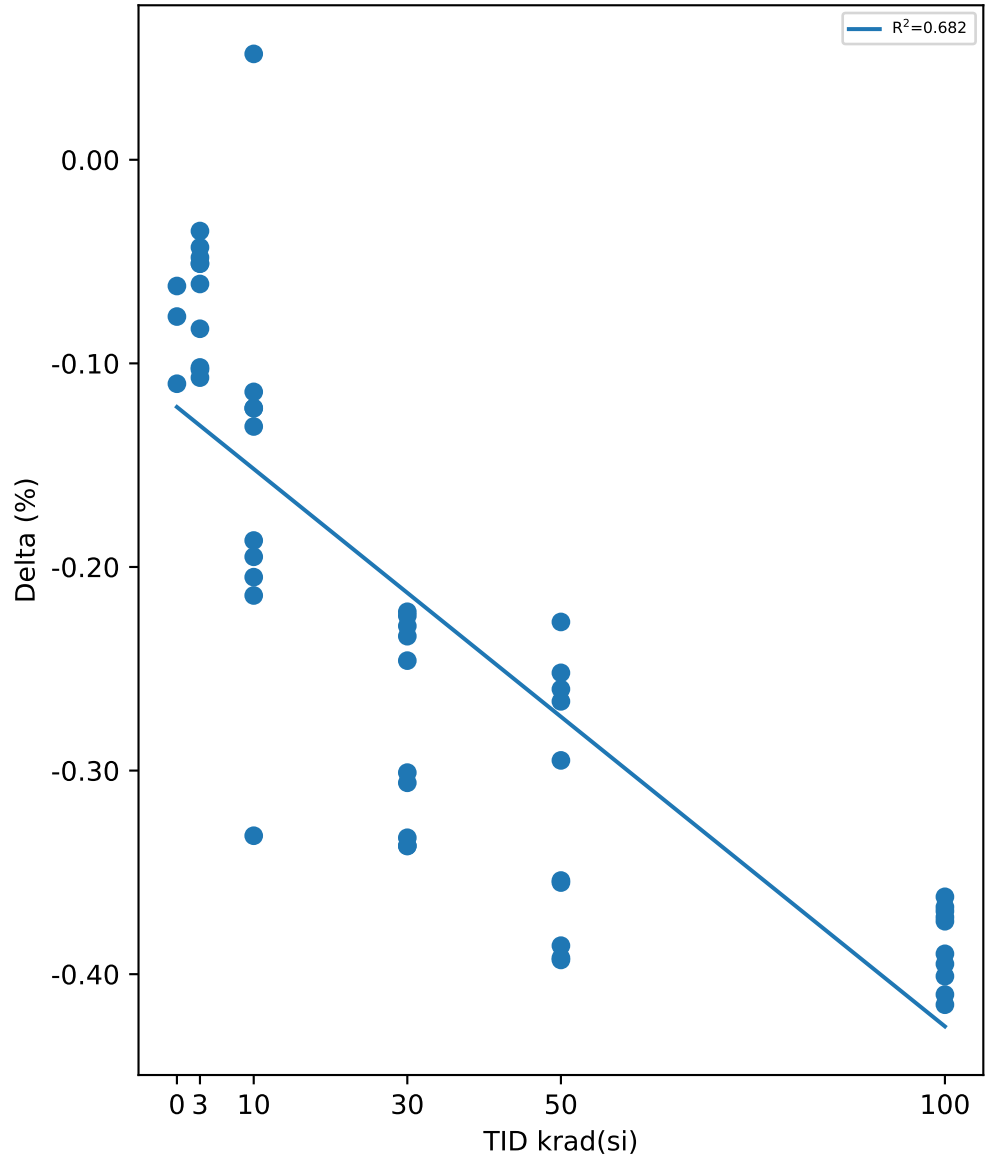
TID vs Result Stats



Test Results (Upper Limit = 23.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 12.716     | 12.606      | -0.11  |
| 301      | 0        | Correlation         | 12.585     | 12.508      | -0.077 |
| 302      | 0        | Correlation         | 12.626     | 12.564      | -0.062 |
| 303      | 3        | Bias                | 12.722     | 12.62       | -0.102 |
| 304      | 3        | Bias                | 12.951     | 12.848      | -0.103 |
| 305      | 3        | Bias                | 12.847     | 12.74       | -0.107 |
| 306      | 3        | Bias                | 12.797     | 12.714      | -0.083 |
| 307      | 3        | Bias                | 12.834     | 12.773      | -0.061 |
| 308      | 3        | Unbiased            | 12.872     | 12.829      | -0.043 |
| 309      | 3        | Unbiased            | 12.654     | 12.606      | -0.048 |
| 310      | 3        | Unbiased            | 12.851     | 12.816      | -0.035 |
| 311      | 3        | Unbiased            | 12.568     | 12.517      | -0.051 |
| 312      | 3        | Unbiased            | 12.504     | 12.453      | -0.051 |
| 313      | 10       | Bias                | 12.901     | 12.714      | -0.187 |
| 314      | 10       | Bias                | 12.668     | 12.473      | -0.195 |
| 315      | 10       | Bias                | 12.88      | 12.675      | -0.205 |
| 316      | 10       | Bias                | 12.704     | 12.582      | -0.122 |
| 317      | 10       | Bias                | 12.979     | 12.765      | -0.214 |
| 318      | 10       | Unbiased            | 12.529     | 12.415      | -0.114 |
| 319      | 10       | Unbiased            | 12.817     | 12.695      | -0.122 |
| 320      | 10       | Unbiased            | 12.713     | 12.765      | 0.052  |
| 321      | 10       | Unbiased            | 12.916     | 12.584      | -0.332 |
| 322      | 10       | Unbiased            | 12.834     | 12.703      | -0.131 |
| 323      | 30       | Bias                | 12.9       | 12.594      | -0.306 |
| 324      | 30       | Bias                | 12.769     | 12.468      | -0.301 |
| 325      | 30       | Bias                | 12.704     | 12.367      | -0.337 |
| 326      | 30       | Bias                | 12.604     | 12.271      | -0.333 |
| 327      | 30       | Bias                | 13.008     | 12.671      | -0.337 |
| 328      | 30       | Unbiased            | 12.634     | 12.41       | -0.224 |
| 329      | 30       | Unbiased            | 12.926     | 12.704      | -0.222 |
| 330      | 30       | Unbiased            | 12.596     | 12.367      | -0.229 |
| 331      | 30       | Unbiased            | 12.874     | 12.628      | -0.246 |
| 332      | 30       | Unbiased            | 12.829     | 12.595      | -0.234 |
| 333      | 50       | Bias                | 12.723     | 12.368      | -0.355 |
| 334      | 50       | Bias                | 12.662     | 12.308      | -0.354 |
| 335      | 50       | Bias                | 12.875     | 12.482      | -0.393 |
| 336      | 50       | Bias                | 12.901     | 12.515      | -0.386 |
| 337      | 50       | Bias                | 12.844     | 12.452      | -0.392 |
| 338      | 50       | Unbiased            | 12.706     | 12.411      | -0.295 |
| 339      | 50       | Unbiased            | 12.519     | 12.292      | -0.227 |
| 340      | 50       | Unbiased            | 12.713     | 12.447      | -0.266 |
| 341      | 50       | Unbiased            | 12.953     | 12.693      | -0.26  |
| 342      | 50       | Unbiased            | 12.598     | 12.346      | -0.252 |
| 343      | 100      | Bias                | 12.559     | 12.185      | -0.374 |
| 344      | 100      | Bias                | 12.78      | 12.379      | -0.401 |
| 345      | 100      | Bias                | 12.793     | 12.383      | -0.41  |
| 346      | 100      | Bias                | 12.801     | 12.411      | -0.39  |
| 347      | 100      | Bias                | 12.68      | 12.313      | -0.367 |
| 348      | 100      | Unbiased            | 12.608     | 12.246      | -0.362 |
| 349      | 100      | Unbiased            | 12.864     | 12.492      | -0.372 |
| 350      | 100      | Unbiased            | 12.576     | 12.161      | -0.415 |
| 351      | 100      | Unbiased            | 12.614     | 12.219      | -0.395 |
| 352      | 100      | Unbiased            | 12.445     | 12.076      | -0.369 |

TID vs Post - Pre Exposure Delta

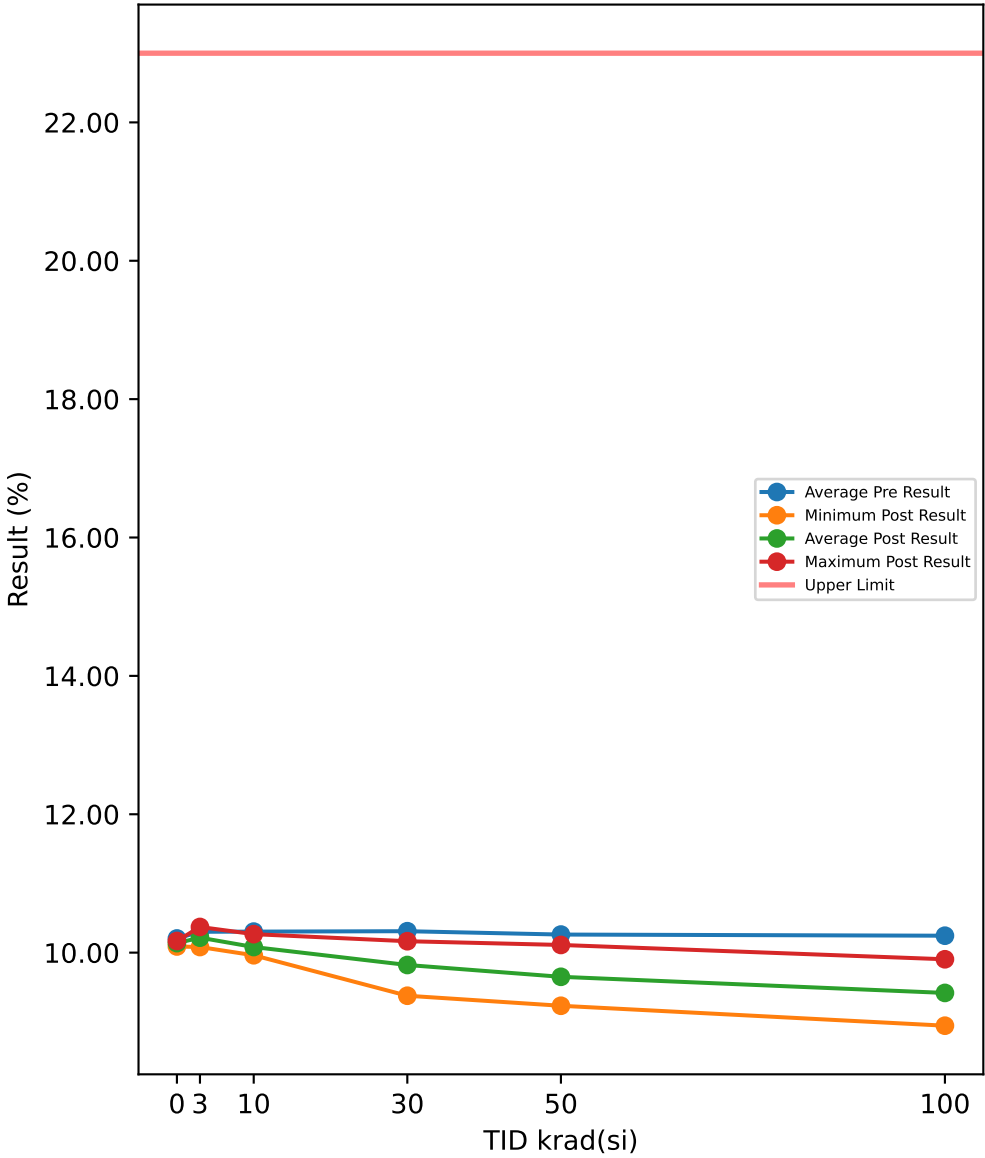


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.585           | 12.642           | 12.716           | 0.06701          | 12.508            | 12.559            | 12.606            | 0.049166          | -0.11     | -0.083    | -0.062    | 0.024556  |
| 3        | 12.504           | 12.76            | 12.951           | 0.14407          | 12.453            | 12.692            | 12.848            | 0.13669           | -0.107    | -0.0684   | -0.035    | 0.027621  |
| 10       | 12.529           | 12.794           | 12.979           | 0.13778          | 12.415            | 12.637            | 12.765            | 0.12013           | -0.332    | -0.157    | 0.052     | 0.09842   |
| 30       | 12.596           | 12.784           | 13.008           | 0.1456           | 12.271            | 12.508            | 12.704            | 0.14962           | -0.337    | -0.2769   | -0.222    | 0.050223  |
| 50       | 12.519           | 12.749           | 12.953           | 0.14012          | 12.292            | 12.431            | 12.693            | 0.11787           | -0.393    | -0.318    | -0.227    | 0.064656  |
| 100      | 12.445           | 12.672           | 12.864           | 0.13369          | 12.076            | 12.287            | 12.492            | 0.13032           | -0.415    | -0.3855   | -0.362    | 0.019156  |

Device Test: 6.117; VOL\_WDO\_10MA

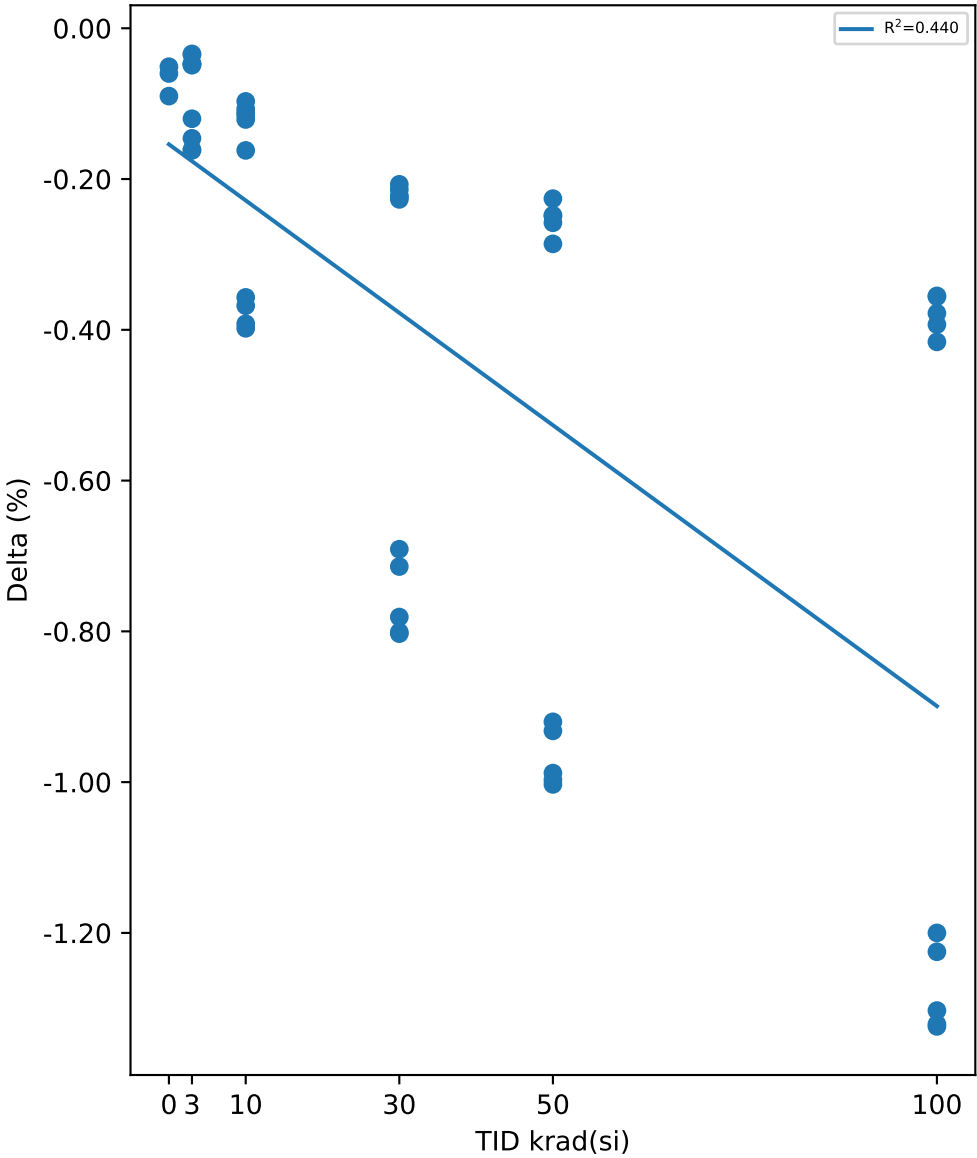
TID vs Result Stats



Test Results (Upper Limit = 23.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 10.258     | 10.168      | -0.09  |
| 301      | 0        | Correlation         | 10.149     | 10.089      | -0.06  |
| 302      | 0        | Correlation         | 10.207     | 10.156      | -0.051 |
| 303      | 3        | Bias                | 10.361     | 10.215      | -0.146 |
| 304      | 3        | Bias                | 10.418     | 10.256      | -0.162 |
| 305      | 3        | Bias                | 10.316     | 10.155      | -0.161 |
| 306      | 3        | Bias                | 10.201     | 10.081      | -0.12  |
| 307      | 3        | Bias                | 10.383     | 10.335      | -0.048 |
| 308      | 3        | Unbiased            | 10.406     | 10.371      | -0.035 |
| 309      | 3        | Unbiased            | 10.253     | 10.204      | -0.049 |
| 310      | 3        | Unbiased            | 10.351     | 10.317      | -0.034 |
| 311      | 3        | Unbiased            | 10.152     | 10.105      | -0.047 |
| 312      | 3        | Unbiased            | 10.171     | 10.124      | -0.047 |
| 313      | 10       | Bias                | 10.325     | 9.968       | -0.357 |
| 314      | 10       | Bias                | 10.371     | 10.003      | -0.368 |
| 315      | 10       | Bias                | 10.376     | 9.978       | -0.398 |
| 316      | 10       | Bias                | 10.21      | 10.095      | -0.115 |
| 317      | 10       | Bias                | 10.354     | 9.962       | -0.392 |
| 318      | 10       | Unbiased            | 10.233     | 10.126      | -0.107 |
| 319      | 10       | Unbiased            | 10.379     | 10.267      | -0.112 |
| 320      | 10       | Unbiased            | 10.196     | 10.099      | -0.097 |
| 321      | 10       | Unbiased            | 10.238     | 10.076      | -0.162 |
| 322      | 10       | Unbiased            | 10.357     | 10.236      | -0.121 |
| 323      | 30       | Bias                | 10.502     | 9.788       | -0.714 |
| 324      | 30       | Bias                | 10.267     | 9.576       | -0.691 |
| 325      | 30       | Bias                | 10.34      | 9.537       | -0.803 |
| 326      | 30       | Bias                | 10.158     | 9.377       | -0.781 |
| 327      | 30       | Bias                | 10.491     | 9.69        | -0.801 |
| 328      | 30       | Unbiased            | 10.206     | 9.992       | -0.214 |
| 329      | 30       | Unbiased            | 10.324     | 10.117      | -0.207 |
| 330      | 30       | Unbiased            | 10.188     | 9.964       | -0.224 |
| 331      | 30       | Unbiased            | 10.234     | 10.007      | -0.227 |
| 332      | 30       | Unbiased            | 10.387     | 10.165      | -0.222 |
| 333      | 50       | Bias                | 10.152     | 9.232       | -0.92  |
| 334      | 50       | Bias                | 10.243     | 9.311       | -0.932 |
| 335      | 50       | Bias                | 10.327     | 9.33        | -0.997 |
| 336      | 50       | Bias                | 10.294     | 9.306       | -0.988 |
| 337      | 50       | Bias                | 10.302     | 9.299       | -1.003 |
| 338      | 50       | Unbiased            | 10.245     | 9.959       | -0.286 |
| 339      | 50       | Unbiased            | 10.126     | 9.9         | -0.226 |
| 340      | 50       | Unbiased            | 10.33      | 10.072      | -0.258 |
| 341      | 50       | Unbiased            | 10.36      | 10.111      | -0.249 |
| 342      | 50       | Unbiased            | 10.234     | 9.986       | -0.248 |
| 343      | 100      | Bias                | 10.144     | 8.944       | -1.2   |
| 344      | 100      | Bias                | 10.237     | 9.012       | -1.225 |
| 345      | 100      | Bias                | 10.352     | 9.049       | -1.303 |
| 346      | 100      | Bias                | 10.395     | 9.071       | -1.324 |
| 347      | 100      | Bias                | 10.282     | 8.961       | -1.321 |
| 348      | 100      | Unbiased            | 10.186     | 9.83        | -0.356 |
| 349      | 100      | Unbiased            | 10.259     | 9.904       | -0.355 |
| 350      | 100      | Unbiased            | 10.222     | 9.806       | -0.416 |
| 351      | 100      | Unbiased            | 10.243     | 9.85        | -0.393 |
| 352      | 100      | Unbiased            | 10.127     | 9.749       | -0.378 |

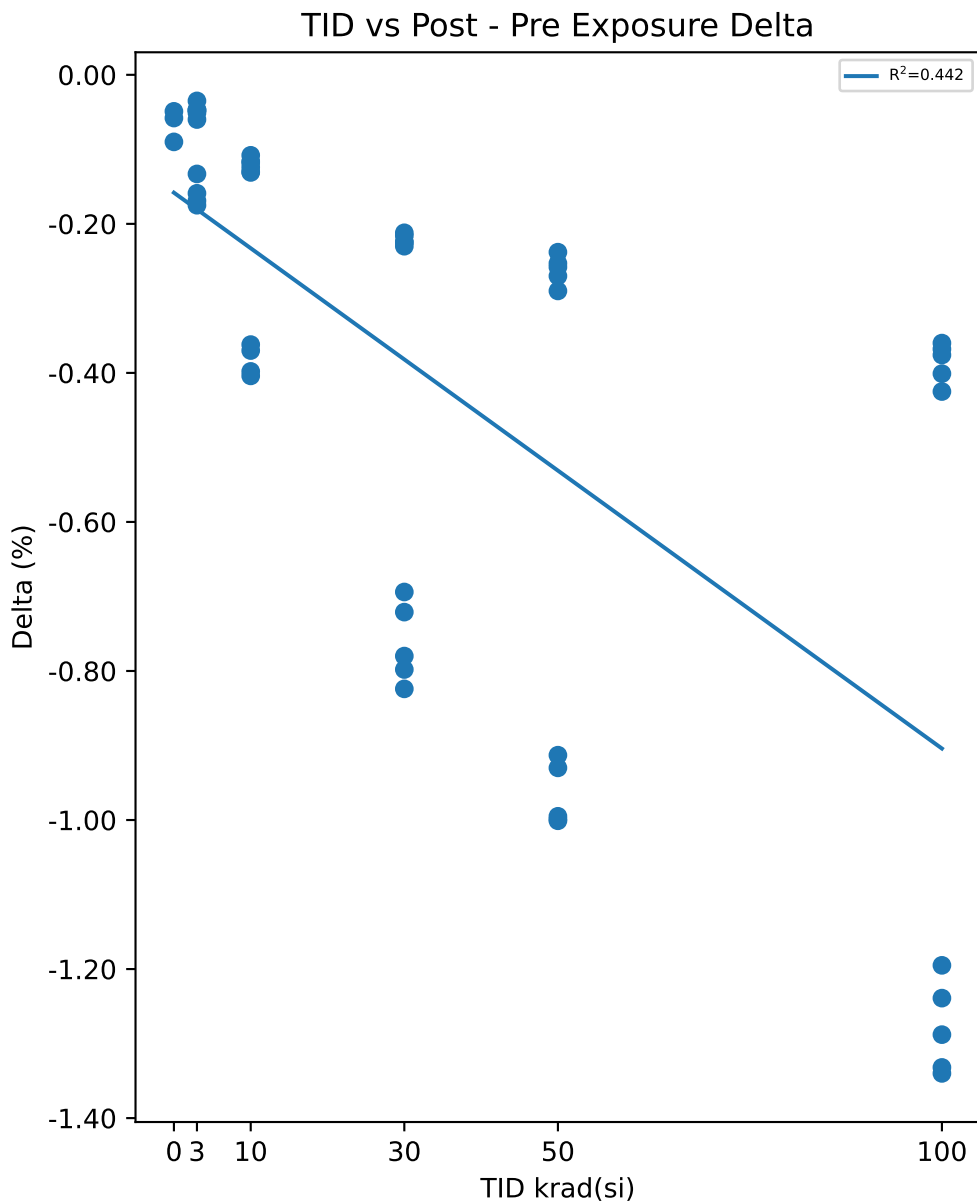
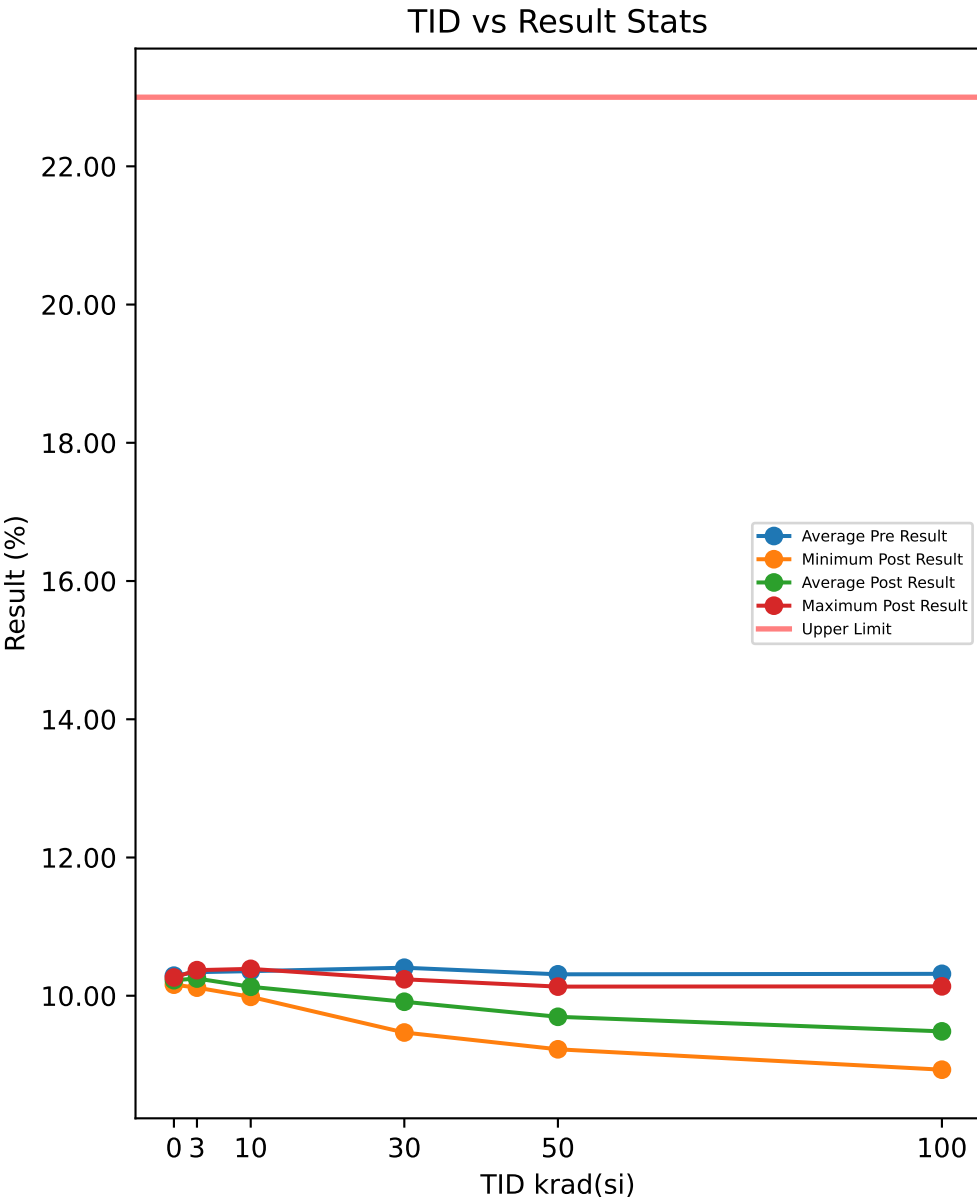
TID vs Post - Pre Exposure Delta



Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 10.149           | 10.205           | 10.258           | 0.054537         | 10.089            | 10.138            | 10.168            | 0.042572          | -0.09     | -0.067    | -0.051    | 0.020421  |
| 3        | 10.152           | 10.301           | 10.418           | 0.099536         | 10.081            | 10.216            | 10.371            | 0.10158           | -0.162    | -0.0849   | -0.034    | 0.055081  |
| 10       | 10.196           | 10.304           | 10.379           | 0.075237         | 9.962             | 10.081            | 10.267            | 0.10792           | -0.398    | -0.2229   | -0.097    | 0.13565   |
| 30       | 10.158           | 10.31            | 10.502           | 0.1216           | 9.377             | 9.8213            | 10.165            | 0.26798           | -0.803    | -0.4884   | -0.207    | 0.28634   |
| 50       | 10.126           | 10.261           | 10.36            | 0.076813         | 9.232             | 9.6506            | 10.111            | 0.37934           | -1.003    | -0.6107   | -0.226    | 0.3778    |
| 100      | 10.127           | 10.245           | 10.395           | 0.08414          | 8.944             | 9.4176            | 9.904             | 0.43558           | -1.324    | -0.8271   | -0.355    | 0.4736    |

## Device Test: 6.118; VOL\_PWRGD\_10MA

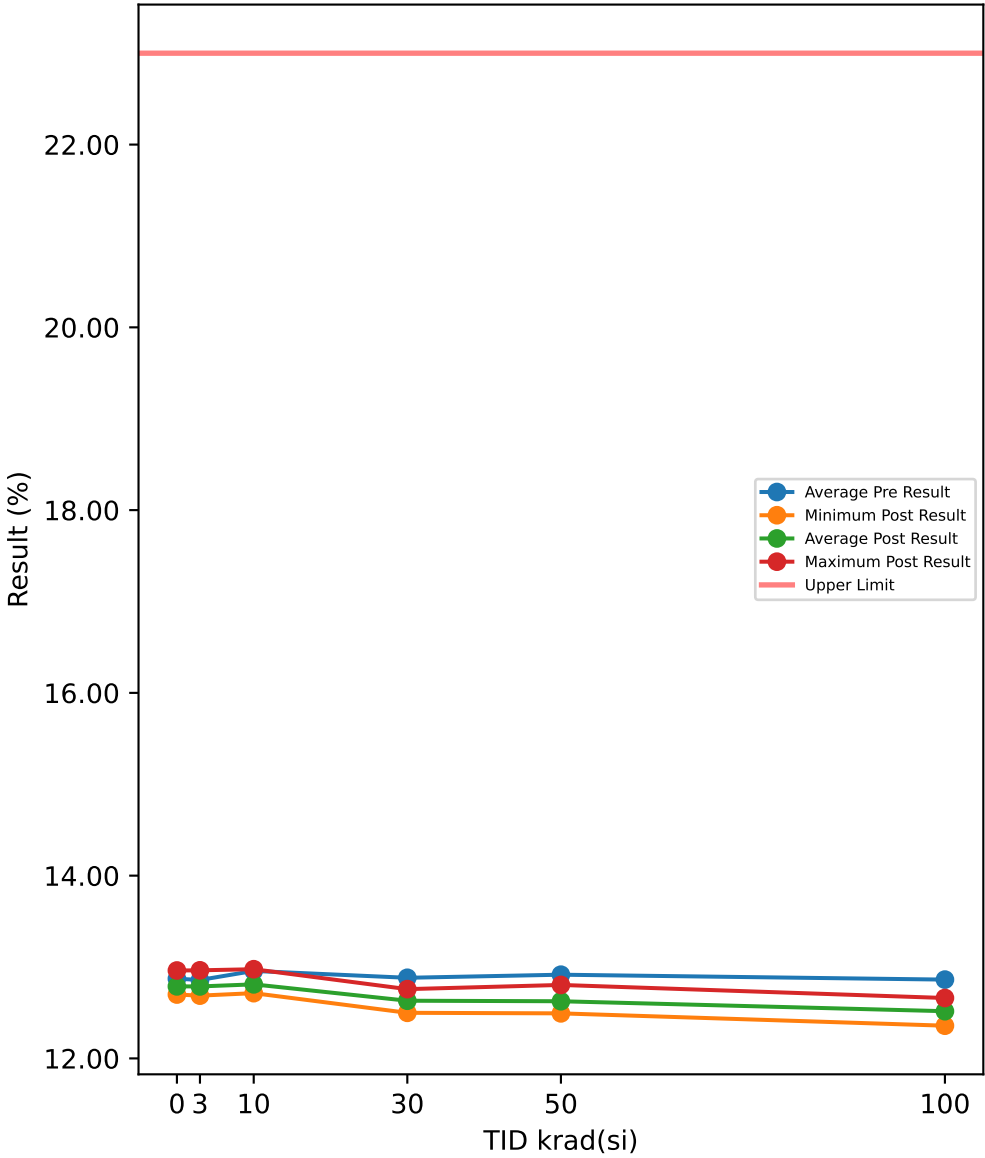


| Test Results (Upper Limit = 23.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 10.354     | 10.264      | -0.09  |
| 301                                   | 0        | Correlation         | 10.218     | 10.16       | -0.058 |
| 302                                   | 0        | Correlation         | 10.299     | 10.25       | -0.049 |
| 303                                   | 3        | Bias                | 10.391     | 10.232      | -0.159 |
| 304                                   | 3        | Bias                | 10.42      | 10.251      | -0.169 |
| 305                                   | 3        | Bias                | 10.406     | 10.231      | -0.175 |
| 306                                   | 3        | Bias                | 10.343     | 10.21       | -0.133 |
| 307                                   | 3        | Bias                | 10.427     | 10.367      | -0.06  |
| 308                                   | 3        | Unbiased            | 10.417     | 10.37       | -0.047 |
| 309                                   | 3        | Unbiased            | 10.295     | 10.244      | -0.051 |
| 310                                   | 3        | Unbiased            | 10.344     | 10.309      | -0.035 |
| 311                                   | 3        | Unbiased            | 10.203     | 10.156      | -0.047 |
| 312                                   | 3        | Unbiased            | 10.165     | 10.117      | -0.048 |
| 313                                   | 10       | Bias                | 10.427     | 10.065      | -0.362 |
| 314                                   | 10       | Bias                | 10.354     | 9.984       | -0.37  |
| 315                                   | 10       | Bias                | 10.403     | 9.999       | -0.404 |
| 316                                   | 10       | Bias                | 10.277     | 10.159      | -0.118 |
| 317                                   | 10       | Bias                | 10.418     | 10.02       | -0.398 |
| 318                                   | 10       | Unbiased            | 10.172     | 10.064      | -0.108 |
| 319                                   | 10       | Unbiased            | 10.505     | 10.389      | -0.116 |
| 320                                   | 10       | Unbiased            | 10.303     | 10.173      | -0.13  |
| 321                                   | 10       | Unbiased            | 10.313     | 10.182      | -0.131 |
| 322                                   | 10       | Unbiased            | 10.384     | 10.26       | -0.124 |
| 323                                   | 30       | Bias                | 10.594     | 9.873       | -0.721 |
| 324                                   | 30       | Bias                | 10.371     | 9.677       | -0.694 |
| 325                                   | 30       | Bias                | 10.337     | 9.539       | -0.798 |
| 326                                   | 30       | Bias                | 10.248     | 9.468       | -0.78  |
| 327                                   | 30       | Bias                | 10.656     | 9.832       | -0.824 |
| 328                                   | 30       | Unbiased            | 10.311     | 10.095      | -0.216 |
| 329                                   | 30       | Unbiased            | 10.425     | 10.213      | -0.212 |
| 330                                   | 30       | Unbiased            | 10.29      | 10.065      | -0.225 |
| 331                                   | 30       | Unbiased            | 10.361     | 10.131      | -0.23  |
| 332                                   | 30       | Unbiased            | 10.462     | 10.238      | -0.224 |
| 333                                   | 50       | Bias                | 10.138     | 9.225       | -0.913 |
| 334                                   | 50       | Bias                | 10.306     | 9.376       | -0.93  |
| 335                                   | 50       | Bias                | 10.361     | 9.362       | -0.999 |
| 336                                   | 50       | Bias                | 10.396     | 9.401       | -0.995 |
| 337                                   | 50       | Bias                | 10.355     | 9.354       | -1.001 |
| 338                                   | 50       | Unbiased            | 10.337     | 10.047      | -0.29  |
| 339                                   | 50       | Unbiased            | 10.252     | 10.014      | -0.238 |
| 340                                   | 50       | Unbiased            | 10.337     | 10.067      | -0.27  |
| 341                                   | 50       | Unbiased            | 10.39      | 10.132      | -0.258 |
| 342                                   | 50       | Unbiased            | 10.228     | 9.975       | -0.253 |
| 343                                   | 100      | Bias                | 10.125     | 8.93        | -1.195 |
| 344                                   | 100      | Bias                | 10.322     | 9.083       | -1.239 |
| 345                                   | 100      | Bias                | 10.341     | 9.053       | -1.288 |
| 346                                   | 100      | Bias                | 10.474     | 9.142       | -1.332 |
| 347                                   | 100      | Bias                | 10.373     | 9.033       | -1.34  |
| 348                                   | 100      | Unbiased            | 10.219     | 9.859       | -0.36  |
| 349                                   | 100      | Unbiased            | 10.504     | 10.136      | -0.368 |
| 350                                   | 100      | Unbiased            | 10.341     | 9.916       | -0.425 |
| 351                                   | 100      | Unbiased            | 10.353     | 9.952       | -0.401 |
| 352                                   | 100      | Unbiased            | 10.117     | 9.741       | -0.376 |

| krad(s) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0       | 10.218           | 10.29            | 10.354           | 0.068413         | 10.16             | 10.225            | 10.264            | 0.056439          | -0.09     | -0.065667 | -0.049    | 0.021548  |
| 3       | 10.165           | 10.341           | 10.427           | 0.093266         | 10.117            | 10.249            | 10.37             | 0.081921          | -0.175    | -0.0924   | -0.035    | 0.05862   |
| 10      | 10.172           | 10.356           | 10.505           | 0.093593         | 9.984             | 10.13             | 10.389            | 0.12847           | -0.404    | -0.2261   | -0.108    | 0.13615   |
| 30      | 10.248           | 10.405           | 10.656           | 0.13199          | 9.468             | 9.9131            | 10.238            | 0.27911           | -0.824    | -0.4924   | -0.212    | 0.28798   |
| 50      | 10.138           | 10.31            | 10.396           | 0.081355         | 9.225             | 9.6953            | 10.132            | 0.3756            | -1.001    | -0.6147   | -0.238    | 0.3733    |
| 100     | 10.117           | 10.317           | 10.504           | 0.12983          | 8.93              | 9.4845            | 10.136            | 0.47273           | -1.34     | -0.8324   | -0.36     | 0.47268   |

Device Test: 6.119; VOL\_RESET\_10MA

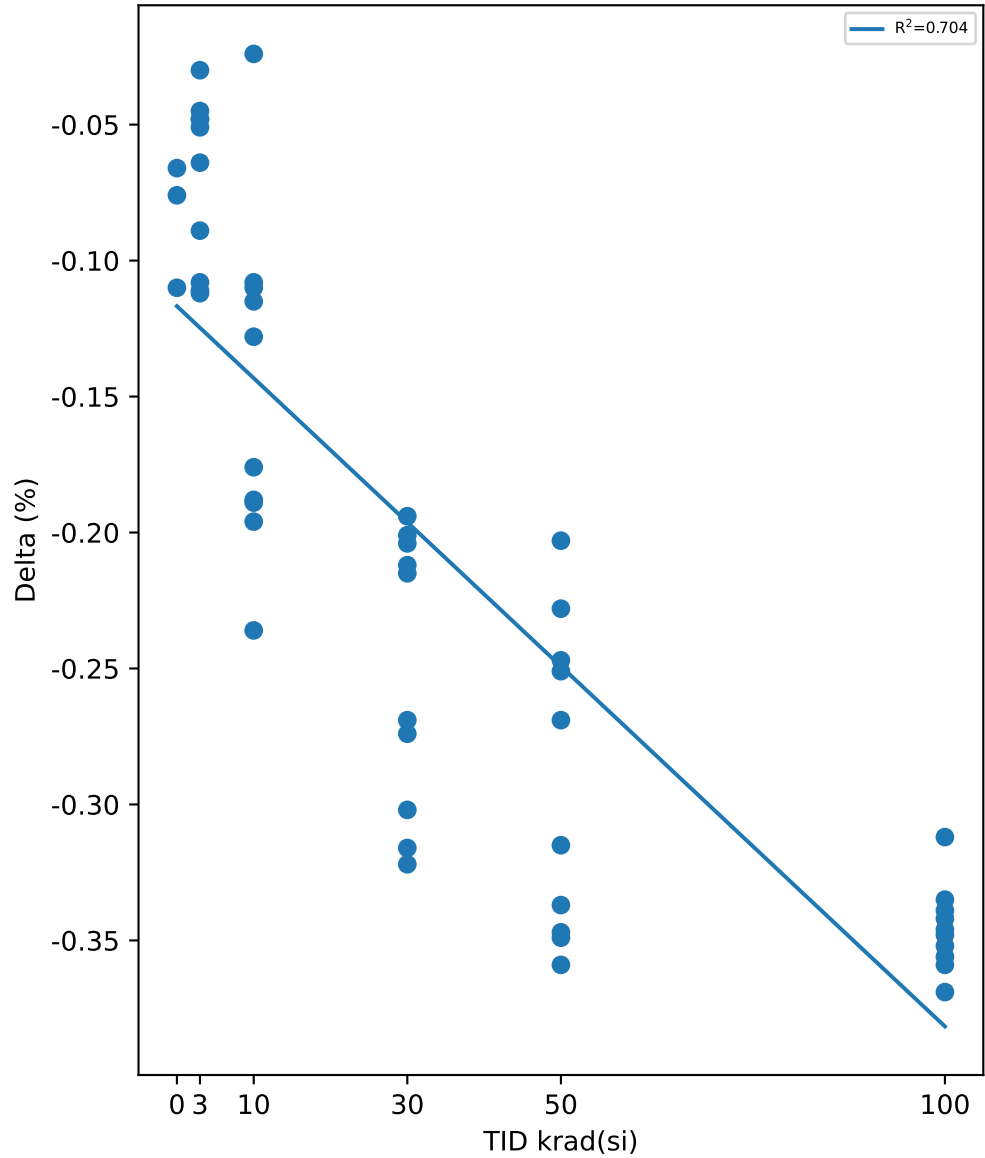
TID vs Result Stats



Test Results (Upper Limit = 23.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 12.809     | 12.699      | -0.11  |
| 301      | 0        | Correlation         | 12.78      | 12.704      | -0.076 |
| 302      | 0        | Correlation         | 13.028     | 12.962      | -0.066 |
| 303      | 3        | Bias                | 12.831     | 12.72       | -0.111 |
| 304      | 3        | Bias                | 13.076     | 12.964      | -0.112 |
| 305      | 3        | Bias                | 12.869     | 12.761      | -0.108 |
| 306      | 3        | Bias                | 12.885     | 12.796      | -0.089 |
| 307      | 3        | Bias                | 12.829     | 12.765      | -0.064 |
| 308      | 3        | Unbiased            | 12.83      | 12.779      | -0.051 |
| 309      | 3        | Unbiased            | 12.963     | 12.915      | -0.048 |
| 310      | 3        | Unbiased            | 12.817     | 12.787      | -0.03  |
| 311      | 3        | Unbiased            | 12.732     | 12.687      | -0.045 |
| 312      | 3        | Unbiased            | 12.75      | 12.702      | -0.048 |
| 313      | 10       | Bias                | 12.947     | 12.771      | -0.176 |
| 314      | 10       | Bias                | 13.014     | 12.825      | -0.189 |
| 315      | 10       | Bias                | 12.914     | 12.726      | -0.188 |
| 316      | 10       | Bias                | 12.929     | 12.814      | -0.115 |
| 317      | 10       | Bias                | 12.932     | 12.736      | -0.196 |
| 318      | 10       | Unbiased            | 12.888     | 12.78       | -0.108 |
| 319      | 10       | Unbiased            | 12.824     | 12.714      | -0.11  |
| 320      | 10       | Unbiased            | 13.061     | 12.825      | -0.236 |
| 321      | 10       | Unbiased            | 12.96      | 12.936      | -0.024 |
| 322      | 10       | Unbiased            | 13.104     | 12.976      | -0.128 |
| 323      | 30       | Bias                | 12.865     | 12.591      | -0.274 |
| 324      | 30       | Bias                | 12.833     | 12.564      | -0.269 |
| 325      | 30       | Bias                | 13.026     | 12.704      | -0.322 |
| 326      | 30       | Bias                | 12.815     | 12.499      | -0.316 |
| 327      | 30       | Bias                | 12.947     | 12.645      | -0.302 |
| 328      | 30       | Unbiased            | 12.769     | 12.575      | -0.194 |
| 329      | 30       | Unbiased            | 12.959     | 12.758      | -0.201 |
| 330      | 30       | Unbiased            | 12.827     | 12.615      | -0.212 |
| 331      | 30       | Unbiased            | 12.912     | 12.697      | -0.215 |
| 332      | 30       | Unbiased            | 12.869     | 12.665      | -0.204 |
| 333      | 50       | Bias                | 12.836     | 12.521      | -0.315 |
| 334      | 50       | Bias                | 12.989     | 12.652      | -0.337 |
| 335      | 50       | Bias                | 12.866     | 12.519      | -0.347 |
| 336      | 50       | Bias                | 12.93      | 12.581      | -0.349 |
| 337      | 50       | Bias                | 13.099     | 12.74       | -0.359 |
| 338      | 50       | Unbiased            | 12.855     | 12.586      | -0.269 |
| 339      | 50       | Unbiased            | 12.696     | 12.493      | -0.203 |
| 340      | 50       | Unbiased            | 12.894     | 12.647      | -0.247 |
| 341      | 50       | Unbiased            | 12.94      | 12.712      | -0.228 |
| 342      | 50       | Unbiased            | 13.055     | 12.804      | -0.251 |
| 343      | 100      | Bias                | 12.813     | 12.471      | -0.342 |
| 344      | 100      | Bias                | 12.887     | 12.531      | -0.356 |
| 345      | 100      | Bias                | 12.84      | 12.481      | -0.359 |
| 346      | 100      | Bias                | 12.96      | 12.612      | -0.348 |
| 347      | 100      | Bias                | 12.904     | 12.565      | -0.339 |
| 348      | 100      | Unbiased            | 13.007     | 12.661      | -0.346 |
| 349      | 100      | Unbiased            | 12.872     | 12.56       | -0.312 |
| 350      | 100      | Unbiased            | 12.727     | 12.358      | -0.369 |
| 351      | 100      | Unbiased            | 12.883     | 12.531      | -0.352 |
| 352      | 100      | Unbiased            | 12.731     | 12.396      | -0.335 |

TID vs Post - Pre Exposure Delta

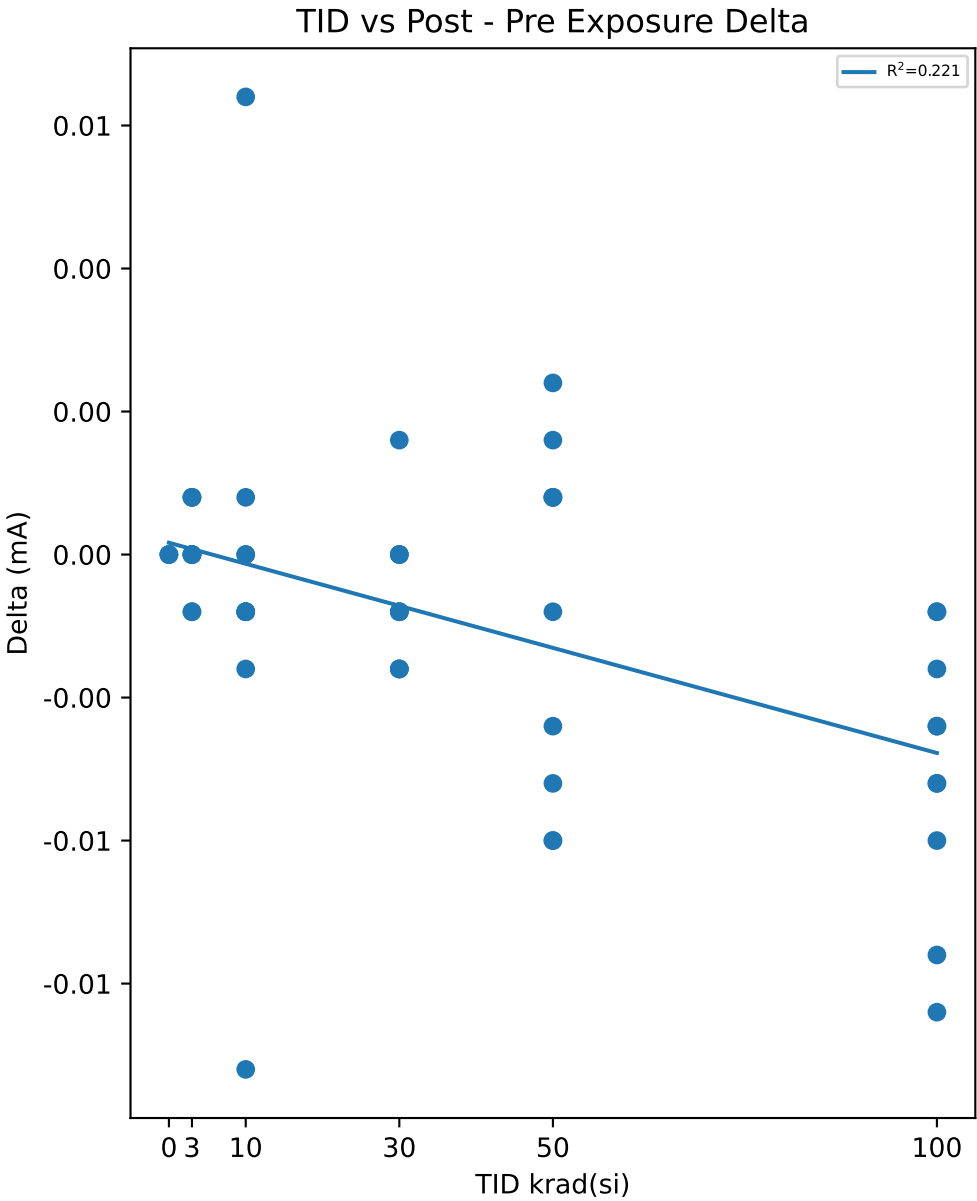
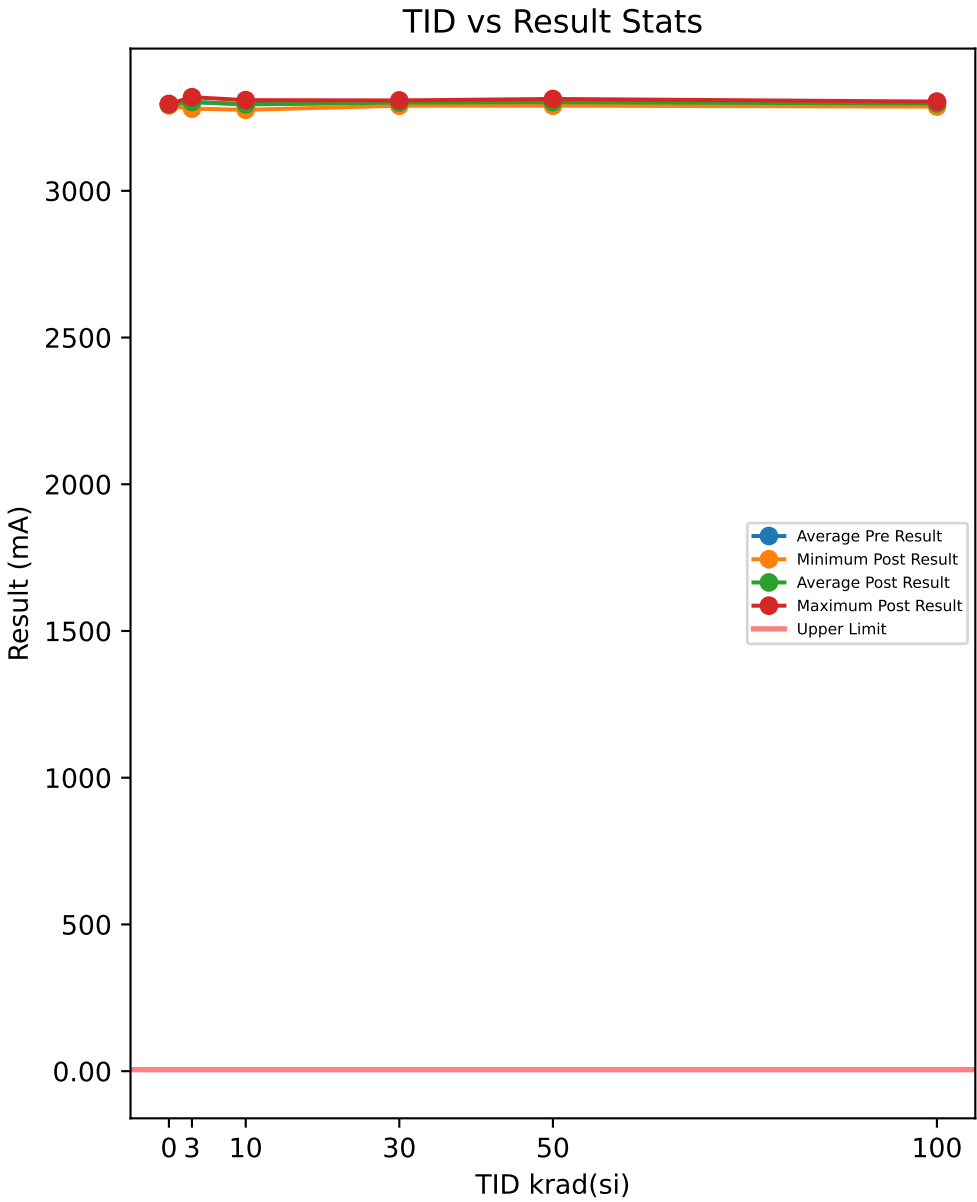


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.78            | 12.872           | 13.028           | 0.13559          | 12.699            | 12.788            | 12.962            | 0.15042           | -0.11     | -0.084    | -0.066    | 0.023065  |
| 3        | 12.732           | 12.858           | 13.076           | 0.10054          | 12.687            | 12.788            | 12.964            | 0.088649          | -0.112    | -0.0706   | -0.03     | 0.031334  |
| 10       | 12.824           | 12.957           | 13.104           | 0.082657         | 12.714            | 12.81             | 12.976            | 0.086965          | -0.236    | -0.147    | -0.024    | 0.061474  |
| 30       | 12.769           | 12.882           | 13.026           | 0.078125         | 12.499            | 12.631            | 12.758            | 0.07751           | -0.322    | -0.2509   | -0.194    | 0.051093  |
| 50       | 12.696           | 12.916           | 13.099           | 0.11567          | 12.493            | 12.625            | 12.804            | 0.1038            | -0.359    | -0.2905   | -0.203    | 0.057297  |
| 100      | 12.727           | 12.862           | 13.007           | 0.089336         | 12.358            | 12.517            | 12.661            | 0.092879          | -0.369    | -0.3458   | -0.312    | 0.015562  |



Device Test: 6.12 ; VLDO\_I\_MAX

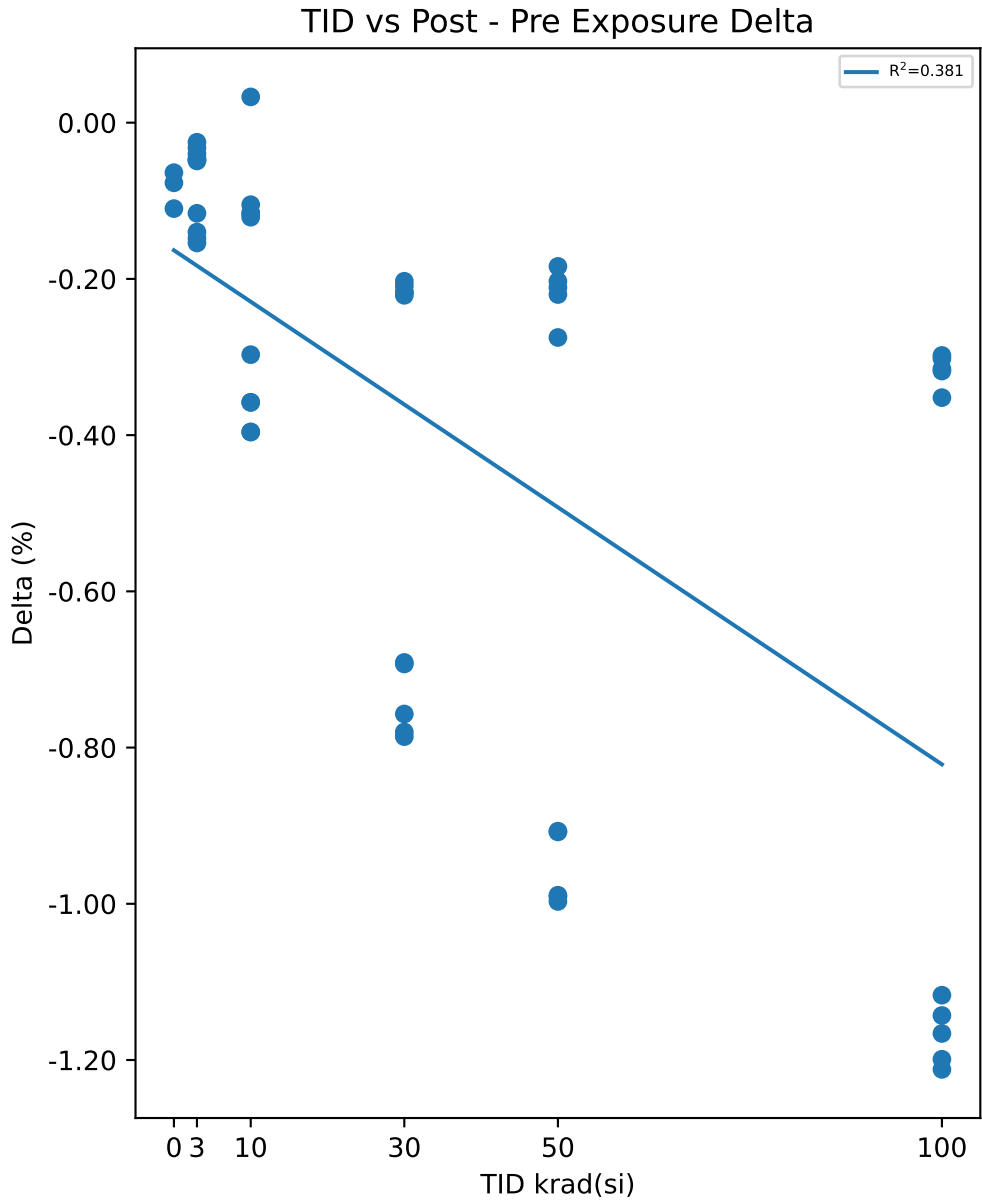
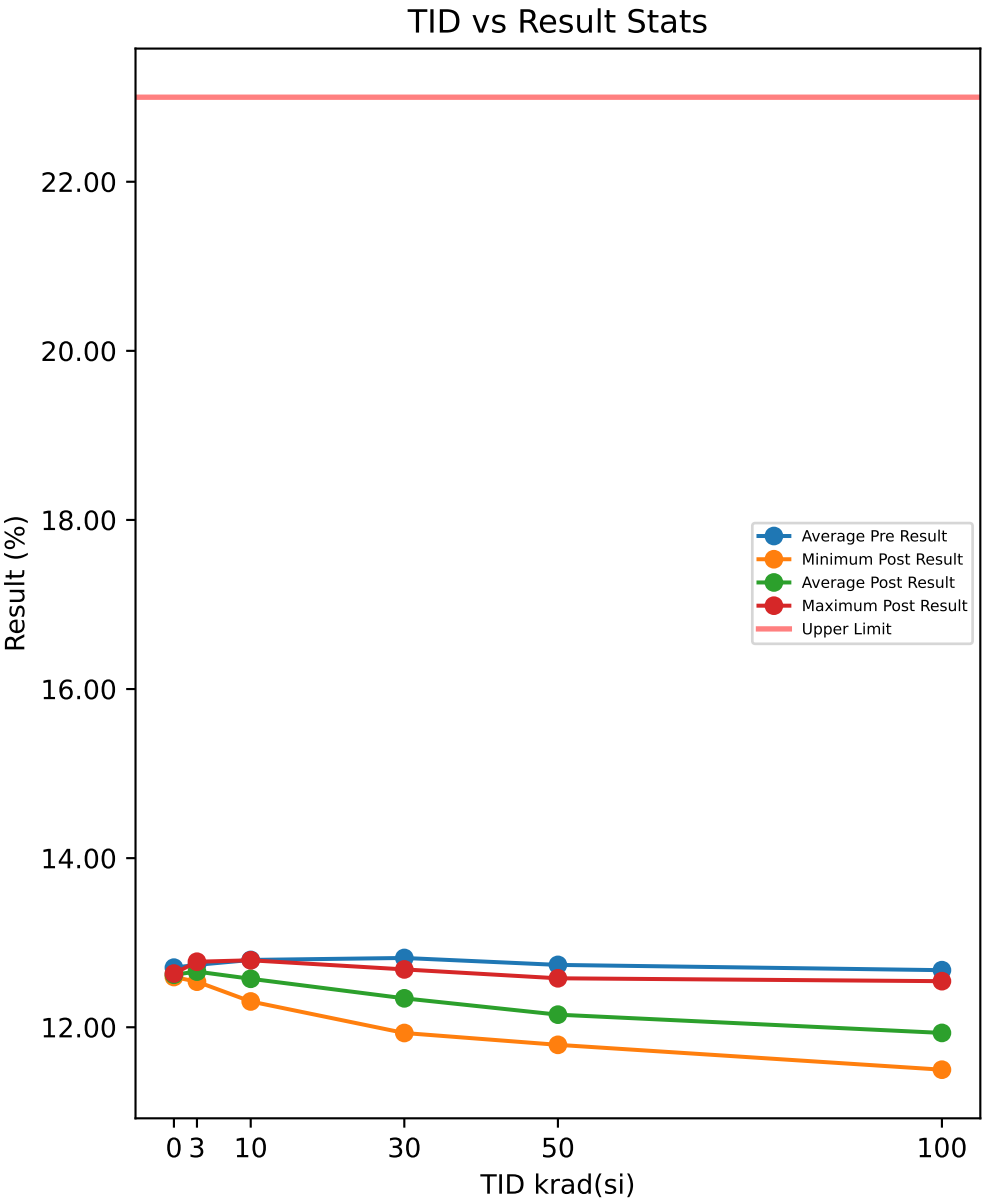


| Test Results (Upper Limit = 5.0 (mA)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 3296       | 3296        | 0      |
| 301                                   | 0        | Correlation         | 3291       | 3291        | 0      |
| 302                                   | 0        | Correlation         | 3296       | 3296        | 0      |
| 303                                   | 3        | Bias                | 3279       | 3280        | 0.001  |
| 304                                   | 3        | Bias                | 3300       | 3300        | 0      |
| 305                                   | 3        | Bias                | 3303       | 3303        | 0      |
| 306                                   | 3        | Bias                | 3295       | 3296        | 0.001  |
| 307                                   | 3        | Bias                | 3320       | 3319        | -0.001 |
| 308                                   | 3        | Unbiased            | 3318       | 3318        | 0      |
| 309                                   | 3        | Unbiased            | 3299       | 3300        | 0.001  |
| 310                                   | 3        | Unbiased            | 3311       | 3311        | 0      |
| 311                                   | 3        | Unbiased            | 3292       | 3291        | -0.001 |
| 312                                   | 3        | Unbiased            | 3310       | 3310        | 0      |
| 313                                   | 10       | Bias                | 3305       | 3305        | 0      |
| 314                                   | 10       | Bias                | 3300       | 3298        | -0.002 |
| 315                                   | 10       | Bias                | 3293       | 3293        | 0      |
| 316                                   | 10       | Bias                | 3298       | 3299        | 0.001  |
| 317                                   | 10       | Bias                | 3297       | 3296        | -0.001 |
| 318                                   | 10       | Unbiased            | 3310       | 3309        | -0.001 |
| 319                                   | 10       | Unbiased            | 3293       | 3292        | -0.001 |
| 320                                   | 10       | Unbiased            | 3285       | 3276        | -0.009 |
| 321                                   | 10       | Unbiased            | 3277       | 3285        | 0.008  |
| 322                                   | 10       | Unbiased            | 3293       | 3292        | -0.001 |
| 323                                   | 30       | Bias                | 3302       | 3301        | -0.001 |
| 324                                   | 30       | Bias                | 3298       | 3296        | -0.002 |
| 325                                   | 30       | Bias                | 3303       | 3303        | 0      |
| 326                                   | 30       | Bias                | 3291       | 3290        | -0.001 |
| 327                                   | 30       | Bias                | 3305       | 3305        | 0      |
| 328                                   | 30       | Unbiased            | 3310       | 3308        | -0.002 |
| 329                                   | 30       | Unbiased            | 3303       | 3303        | 0      |
| 330                                   | 30       | Unbiased            | 3301       | 3303        | 0.002  |
| 331                                   | 30       | Unbiased            | 3308       | 3306        | -0.002 |
| 332                                   | 30       | Unbiased            | 3294       | 3293        | -0.001 |
| 333                                   | 50       | Bias                | 3295       | 3290        | -0.005 |
| 334                                   | 50       | Bias                | 3296       | 3297        | 0.001  |
| 335                                   | 50       | Bias                | 3299       | 3298        | -0.001 |
| 336                                   | 50       | Bias                | 3310       | 3311        | 0.001  |
| 337                                   | 50       | Bias                | 3304       | 3301        | -0.003 |
| 338                                   | 50       | Unbiased            | 3301       | 3303        | 0.002  |
| 339                                   | 50       | Unbiased            | 3317       | 3313        | -0.004 |
| 340                                   | 50       | Unbiased            | 3308       | 3311        | 0.003  |
| 341                                   | 50       | Unbiased            | 3301       | 3296        | -0.005 |
| 342                                   | 50       | Unbiased            | 3299       | 3300        | 0.001  |
| 343                                   | 100      | Bias                | 3307       | 3304        | -0.003 |
| 344                                   | 100      | Bias                | 3302       | 3299        | -0.003 |
| 345                                   | 100      | Bias                | 3303       | 3299        | -0.004 |
| 346                                   | 100      | Bias                | 3295       | 3287        | -0.008 |
| 347                                   | 100      | Bias                | 3291       | 3287        | -0.004 |
| 348                                   | 100      | Unbiased            | 3302       | 3301        | -0.001 |
| 349                                   | 100      | Unbiased            | 3302       | 3295        | -0.007 |
| 350                                   | 100      | Unbiased            | 3300       | 3298        | -0.002 |
| 351                                   | 100      | Unbiased            | 3308       | 3303        | -0.005 |
| 352                                   | 100      | Unbiased            | 3302       | 3301        | -0.001 |

Test Statistics (mA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| 0        | 3291             | 3294.3           | 3296             | 2.8868           | 3291              | 3294.3            | 3296              | 2.8868            | 0         | 0         | 0         | 0          |
| 3        | 3279             | 3302.7           | 3320             | 12.526           | 3280              | 3302.8            | 3319              | 12.173            | -0.001    | 0.0001    | 0.001     | 0.00073786 |
| 10       | 3277             | 3295.1           | 3310             | 9.4216           | 3276              | 3294.5            | 3309              | 9.4428            | -0.009    | -0.0006   | 0.008     | 0.0040879  |
| 30       | 3291             | 3301.5           | 3310             | 5.8737           | 3290              | 3300.8            | 3308              | 5.8841            | -0.002    | -0.0007   | 0.002     | 0.0012517  |
| 50       | 3295             | 3303             | 3317             | 6.8638           | 3290              | 3302              | 3313              | 7.5277            | -0.005    | -0.001    | 0.003     | 0.0030185  |
| 100      | 3291             | 3301.2           | 3308             | 5.0509           | 3287              | 3297.4            | 3304              | 6.0406            | -0.008    | -0.0038   | -0.001    | 0.0023476  |

Device Test: 6.120; VOL\_RESET\_10MA

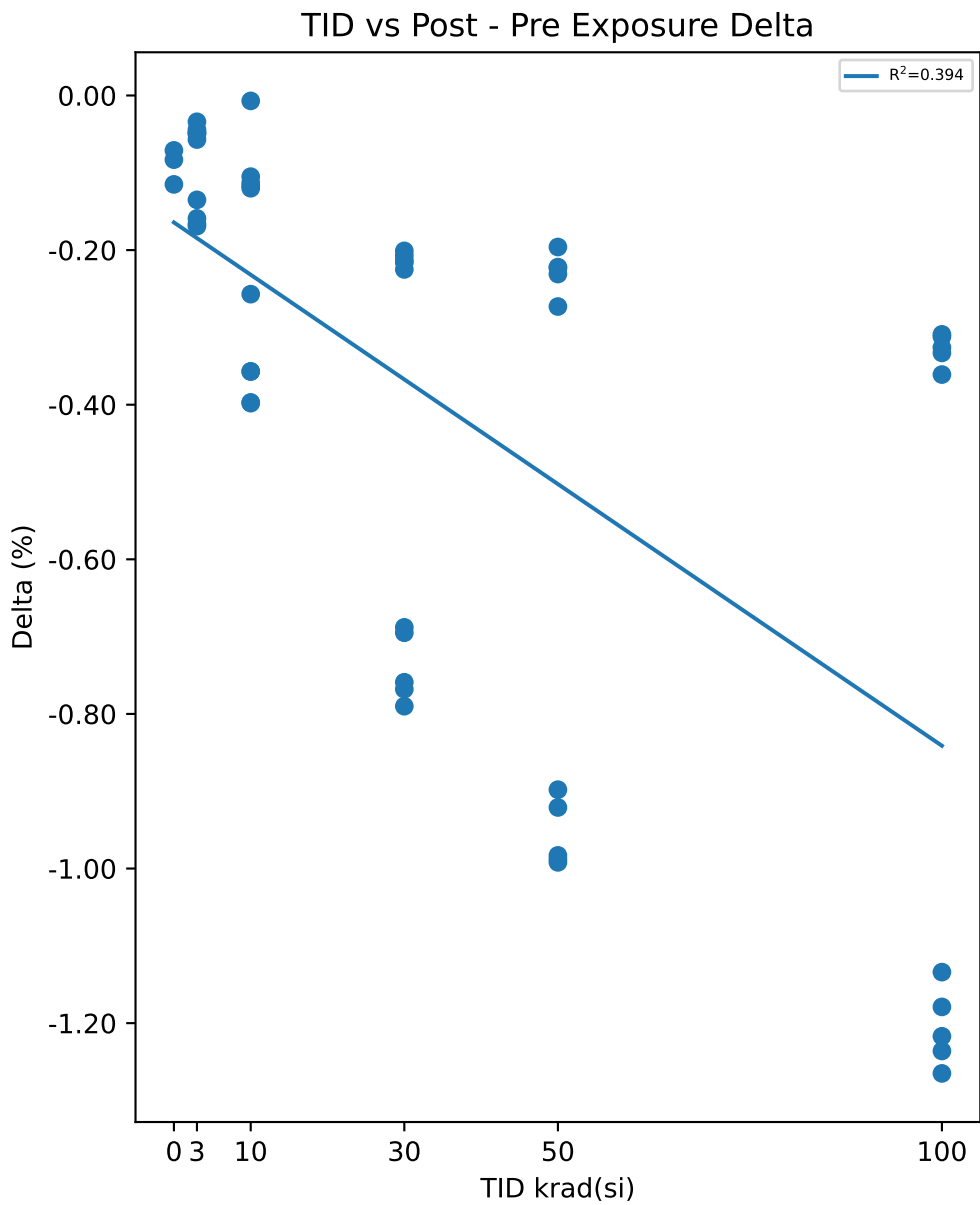
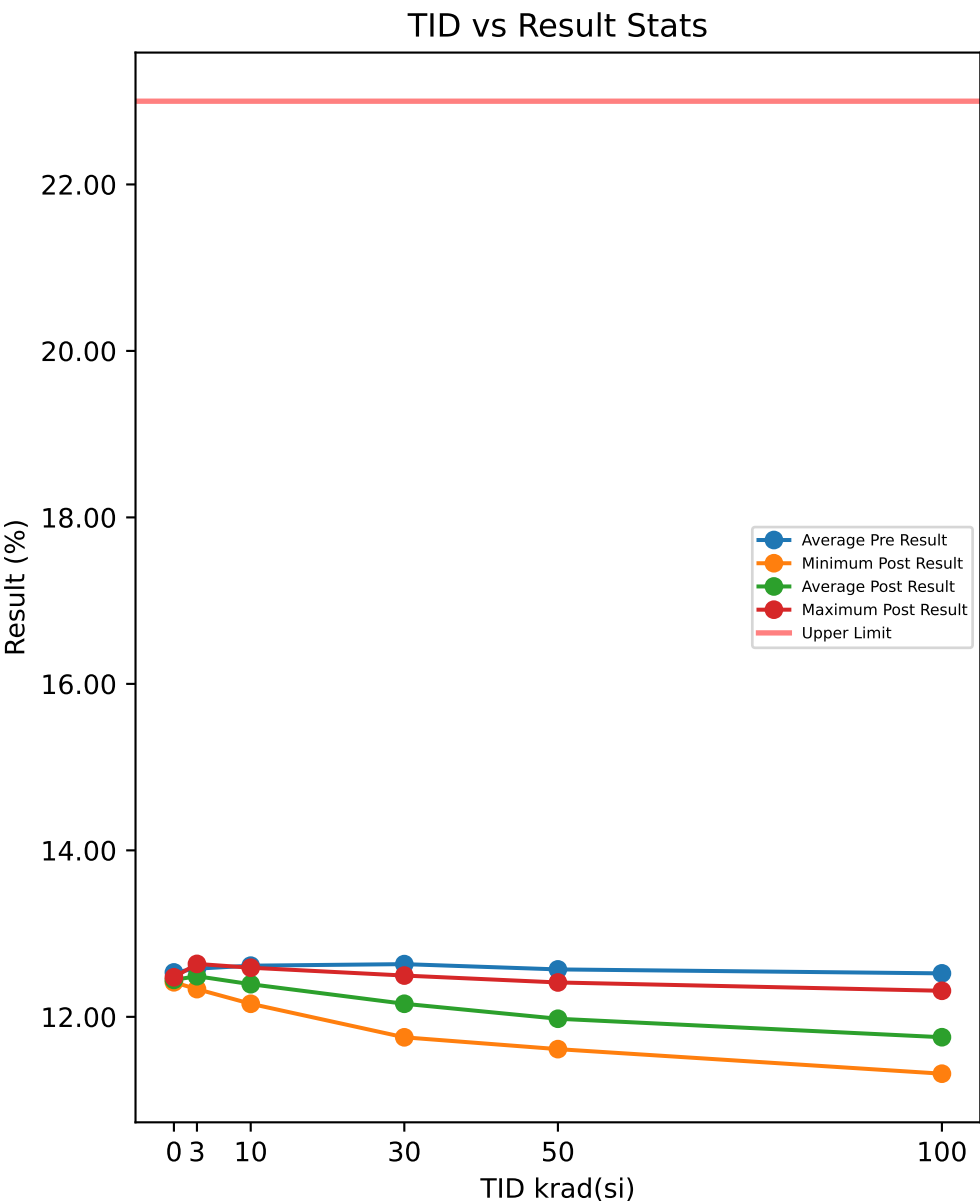


| Test Results (Upper Limit = 23.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 12.745     | 12.635      | -0.11  |
| 301                                   | 0        | Correlation         | 12.671     | 12.594      | -0.077 |
| 302                                   | 0        | Correlation         | 12.699     | 12.635      | -0.064 |
| 303                                   | 3        | Bias                | 12.763     | 12.623      | -0.14  |
| 304                                   | 3        | Bias                | 12.766     | 12.618      | -0.148 |
| 305                                   | 3        | Bias                | 12.857     | 12.703      | -0.154 |
| 306                                   | 3        | Bias                | 12.765     | 12.649      | -0.116 |
| 307                                   | 3        | Bias                | 12.749     | 12.709      | -0.04  |
| 308                                   | 3        | Unbiased            | 12.786     | 12.761      | -0.025 |
| 309                                   | 3        | Unbiased            | 12.63      | 12.583      | -0.047 |
| 310                                   | 3        | Unbiased            | 12.807     | 12.775      | -0.032 |
| 311                                   | 3        | Unbiased            | 12.668     | 12.621      | -0.047 |
| 312                                   | 3        | Unbiased            | 12.588     | 12.539      | -0.049 |
| 313                                   | 10       | Bias                | 12.867     | 12.509      | -0.358 |
| 314                                   | 10       | Bias                | 12.663     | 12.305      | -0.358 |
| 315                                   | 10       | Bias                | 12.88      | 12.484      | -0.396 |
| 316                                   | 10       | Bias                | 12.753     | 12.636      | -0.117 |
| 317                                   | 10       | Bias                | 12.92      | 12.524      | -0.396 |
| 318                                   | 10       | Unbiased            | 12.596     | 12.491      | -0.105 |
| 319                                   | 10       | Unbiased            | 12.846     | 12.731      | -0.115 |
| 320                                   | 10       | Unbiased            | 12.759     | 12.792      | 0.033  |
| 321                                   | 10       | Unbiased            | 12.933     | 12.636      | -0.297 |
| 322                                   | 10       | Unbiased            | 12.745     | 12.624      | -0.121 |
| 323                                   | 30       | Bias                | 12.861     | 12.168      | -0.693 |
| 324                                   | 30       | Bias                | 12.841     | 12.15       | -0.691 |
| 325                                   | 30       | Bias                | 12.718     | 11.932      | -0.786 |
| 326                                   | 30       | Bias                | 12.762     | 11.982      | -0.78  |
| 327                                   | 30       | Bias                | 12.949     | 12.192      | -0.757 |
| 328                                   | 30       | Unbiased            | 12.76      | 12.551      | -0.209 |
| 329                                   | 30       | Unbiased            | 12.884     | 12.681      | -0.203 |
| 330                                   | 30       | Unbiased            | 12.708     | 12.491      | -0.217 |
| 331                                   | 30       | Unbiased            | 12.81      | 12.589      | -0.221 |
| 332                                   | 30       | Unbiased            | 12.901     | 12.684      | -0.217 |
| 333                                   | 50       | Bias                | 12.822     | 11.915      | -0.907 |
| 334                                   | 50       | Bias                | 12.7       | 11.792      | -0.908 |
| 335                                   | 50       | Bias                | 12.811     | 11.82       | -0.991 |
| 336                                   | 50       | Bias                | 12.83      | 11.833      | -0.997 |
| 337                                   | 50       | Bias                | 12.856     | 11.867      | -0.989 |
| 338                                   | 50       | Unbiased            | 12.752     | 12.477      | -0.275 |
| 339                                   | 50       | Unbiased            | 12.556     | 12.372      | -0.184 |
| 340                                   | 50       | Unbiased            | 12.647     | 12.427      | -0.22  |
| 341                                   | 50       | Unbiased            | 12.782     | 12.579      | -0.203 |
| 342                                   | 50       | Unbiased            | 12.618     | 12.407      | -0.211 |
| 343                                   | 100      | Bias                | 12.615     | 11.498      | -1.117 |
| 344                                   | 100      | Bias                | 12.714     | 11.571      | -1.143 |
| 345                                   | 100      | Bias                | 12.712     | 11.513      | -1.199 |
| 346                                   | 100      | Bias                | 12.77      | 11.558      | -1.212 |
| 347                                   | 100      | Bias                | 12.758     | 11.592      | -1.166 |
| 348                                   | 100      | Unbiased            | 12.585     | 12.287      | -0.298 |
| 349                                   | 100      | Unbiased            | 12.847     | 12.545      | -0.302 |
| 350                                   | 100      | Unbiased            | 12.621     | 12.269      | -0.352 |
| 351                                   | 100      | Unbiased            | 12.54      | 12.222      | -0.318 |
| 352                                   | 100      | Unbiased            | 12.589     | 12.274      | -0.315 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.671           | 12.705           | 12.745           | 0.037363         | 12.594            | 12.621            | 12.635            | 0.023671          | -0.11     | -0.083667 | -0.064    | 0.023714  |
| 3        | 12.588           | 12.738           | 12.857           | 0.083366         | 12.539            | 12.658            | 12.775            | 0.076728          | -0.154    | -0.0798   | -0.025    | 0.052772  |
| 10       | 12.596           | 12.796           | 12.933           | 0.11168          | 12.305            | 12.573            | 12.792            | 0.14001           | -0.396    | -0.223    | 0.033     | 0.1544    |
| 30       | 12.708           | 12.819           | 12.949           | 0.08126          | 11.932            | 12.342            | 12.684            | 0.28793           | -0.786    | -0.4774   | -0.203    | 0.28003   |
| 50       | 12.556           | 12.737           | 12.856           | 0.10228          | 11.792            | 12.149            | 12.579            | 0.3259            | -0.997    | -0.5885   | -0.184    | 0.39181   |
| 100      | 12.54            | 12.675           | 12.847           | 0.099233         | 11.498            | 11.933            | 12.545            | 0.41715           | -1.212    | -0.7422   | -0.298    | 0.44918   |

Device Test: 6.121; VOL\_RESET\_10MA



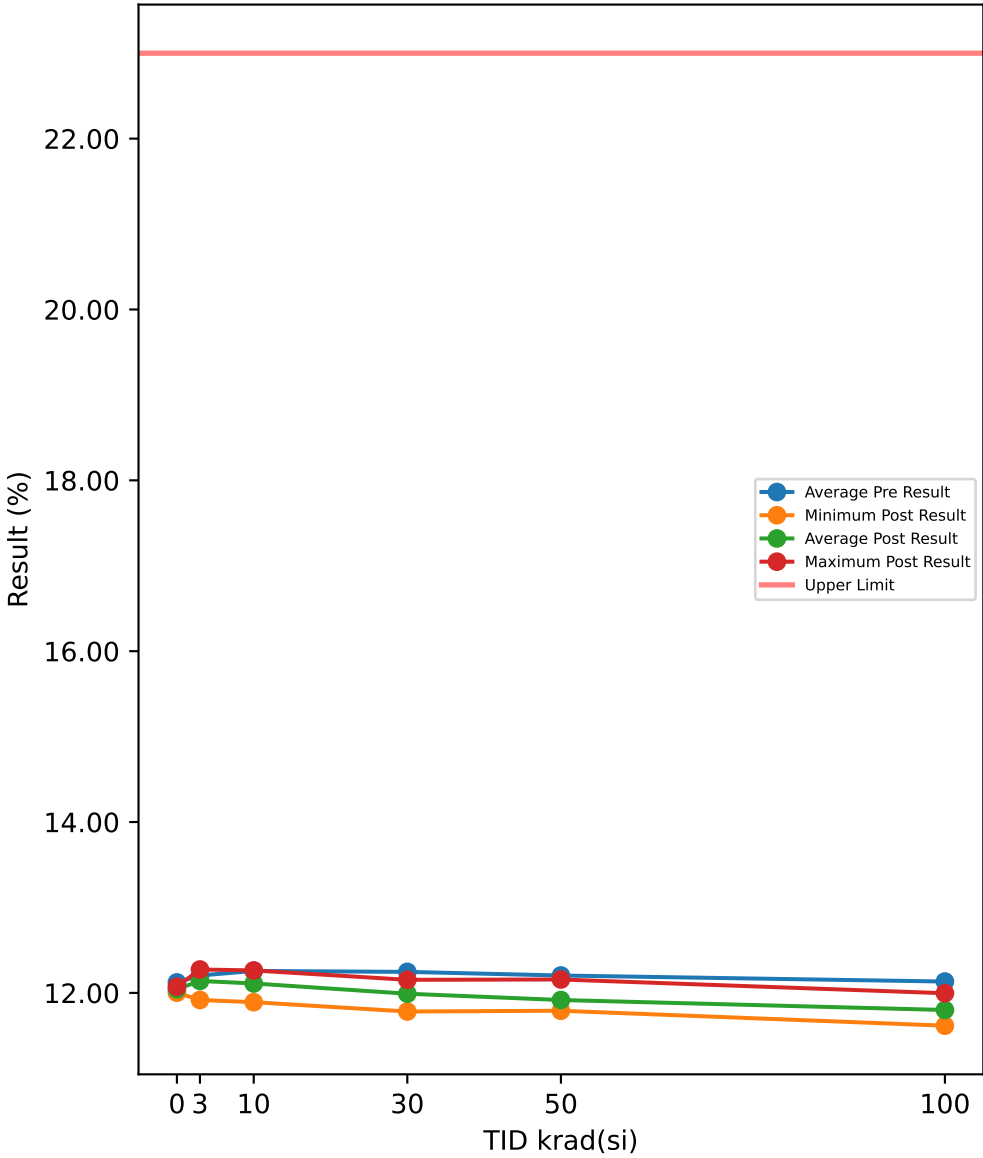
| Test Results (Upper Limit = 23.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 12.59      | 12.475      | -0.115 |
| 301                                   | 0        | Correlation         | 12.498     | 12.415      | -0.083 |
| 302                                   | 0        | Correlation         | 12.513     | 12.442      | -0.071 |
| 303                                   | 3        | Bias                | 12.588     | 12.429      | -0.159 |
| 304                                   | 3        | Bias                | 12.696     | 12.53       | -0.166 |
| 305                                   | 3        | Bias                | 12.63      | 12.461      | -0.169 |
| 306                                   | 3        | Bias                | 12.647     | 12.512      | -0.135 |
| 307                                   | 3        | Bias                | 12.576     | 12.519      | -0.057 |
| 308                                   | 3        | Unbiased            | 12.68      | 12.636      | -0.044 |
| 309                                   | 3        | Unbiased            | 12.496     | 12.446      | -0.05  |
| 310                                   | 3        | Unbiased            | 12.626     | 12.592      | -0.034 |
| 311                                   | 3        | Unbiased            | 12.47      | 12.422      | -0.048 |
| 312                                   | 3        | Unbiased            | 12.381     | 12.333      | -0.048 |
| 313                                   | 10       | Bias                | 12.7       | 12.343      | -0.357 |
| 314                                   | 10       | Bias                | 12.514     | 12.157      | -0.357 |
| 315                                   | 10       | Bias                | 12.669     | 12.272      | -0.397 |
| 316                                   | 10       | Bias                | 12.576     | 12.459      | -0.117 |
| 317                                   | 10       | Bias                | 12.742     | 12.344      | -0.398 |
| 318                                   | 10       | Unbiased            | 12.394     | 12.289      | -0.105 |
| 319                                   | 10       | Unbiased            | 12.626     | 12.513      | -0.113 |
| 320                                   | 10       | Unbiased            | 12.597     | 12.59       | -0.007 |
| 321                                   | 10       | Unbiased            | 12.732     | 12.475      | -0.257 |
| 322                                   | 10       | Unbiased            | 12.598     | 12.478      | -0.12  |
| 323                                   | 30       | Bias                | 12.698     | 12.003      | -0.695 |
| 324                                   | 30       | Bias                | 12.627     | 11.939      | -0.688 |
| 325                                   | 30       | Bias                | 12.572     | 11.782      | -0.79  |
| 326                                   | 30       | Bias                | 12.522     | 11.754      | -0.768 |
| 327                                   | 30       | Bias                | 12.779     | 12.02       | -0.759 |
| 328                                   | 30       | Unbiased            | 12.53      | 12.323      | -0.207 |
| 329                                   | 30       | Unbiased            | 12.697     | 12.496      | -0.201 |
| 330                                   | 30       | Unbiased            | 12.508     | 12.292      | -0.216 |
| 331                                   | 30       | Unbiased            | 12.708     | 12.483      | -0.225 |
| 332                                   | 30       | Unbiased            | 12.691     | 12.478      | -0.213 |
| 333                                   | 50       | Bias                | 12.61      | 11.712      | -0.898 |
| 334                                   | 50       | Bias                | 12.533     | 11.612      | -0.921 |
| 335                                   | 50       | Bias                | 12.641     | 11.658      | -0.983 |
| 336                                   | 50       | Bias                | 12.707     | 11.715      | -0.992 |
| 337                                   | 50       | Bias                | 12.68      | 11.692      | -0.988 |
| 338                                   | 50       | Unbiased            | 12.559     | 12.286      | -0.273 |
| 339                                   | 50       | Unbiased            | 12.397     | 12.201      | -0.196 |
| 340                                   | 50       | Unbiased            | 12.469     | 12.238      | -0.231 |
| 341                                   | 50       | Unbiased            | 12.635     | 12.413      | -0.222 |
| 342                                   | 50       | Unbiased            | 12.467     | 12.244      | -0.223 |
| 343                                   | 100      | Bias                | 12.451     | 11.317      | -1.134 |
| 344                                   | 100      | Bias                | 12.597     | 11.418      | -1.179 |
| 345                                   | 100      | Bias                | 12.546     | 11.329      | -1.217 |
| 346                                   | 100      | Bias                | 12.722     | 11.457      | -1.265 |
| 347                                   | 100      | Bias                | 12.659     | 11.423      | -1.236 |
| 348                                   | 100      | Unbiased            | 12.419     | 12.11       | -0.309 |
| 349                                   | 100      | Unbiased            | 12.625     | 12.313      | -0.312 |
| 350                                   | 100      | Unbiased            | 12.425     | 12.064      | -0.361 |
| 351                                   | 100      | Unbiased            | 12.441     | 12.108      | -0.333 |
| 352                                   | 100      | Unbiased            | 12.338     | 12.012      | -0.326 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.498           | 12.534           | 12.59            | 0.049359         | 12.415            | 12.444            | 12.475            | 0.03005           | -0.115    | -0.089667 | -0.071    | 0.022745  |
| 3        | 12.381           | 12.579           | 12.696           | 0.10077          | 12.333            | 12.488            | 12.636            | 0.088428          | -0.169    | -0.091    | -0.034    | 0.057987  |
| 10       | 12.394           | 12.615           | 12.742           | 0.10607          | 12.157            | 12.392            | 12.59             | 0.13231           | -0.398    | -0.2228   | -0.007    | 0.14625   |
| 30       | 12.508           | 12.633           | 12.779           | 0.094832         | 11.754            | 12.157            | 12.496            | 0.29118           | -0.79     | -0.4762   | -0.201    | 0.2798    |
| 50       | 12.397           | 12.57            | 12.707           | 0.10218          | 11.612            | 11.977            | 12.413            | 0.3215            | -0.992    | -0.5927   | -0.196    | 0.38493   |
| 100      | 12.338           | 12.522           | 12.722           | 0.12519          | 11.317            | 11.755            | 12.313            | 0.39573           | -1.265    | -0.7672   | -0.309    | 0.4642    |

Device Test: 6.122; VOL\_RESET\_10MA

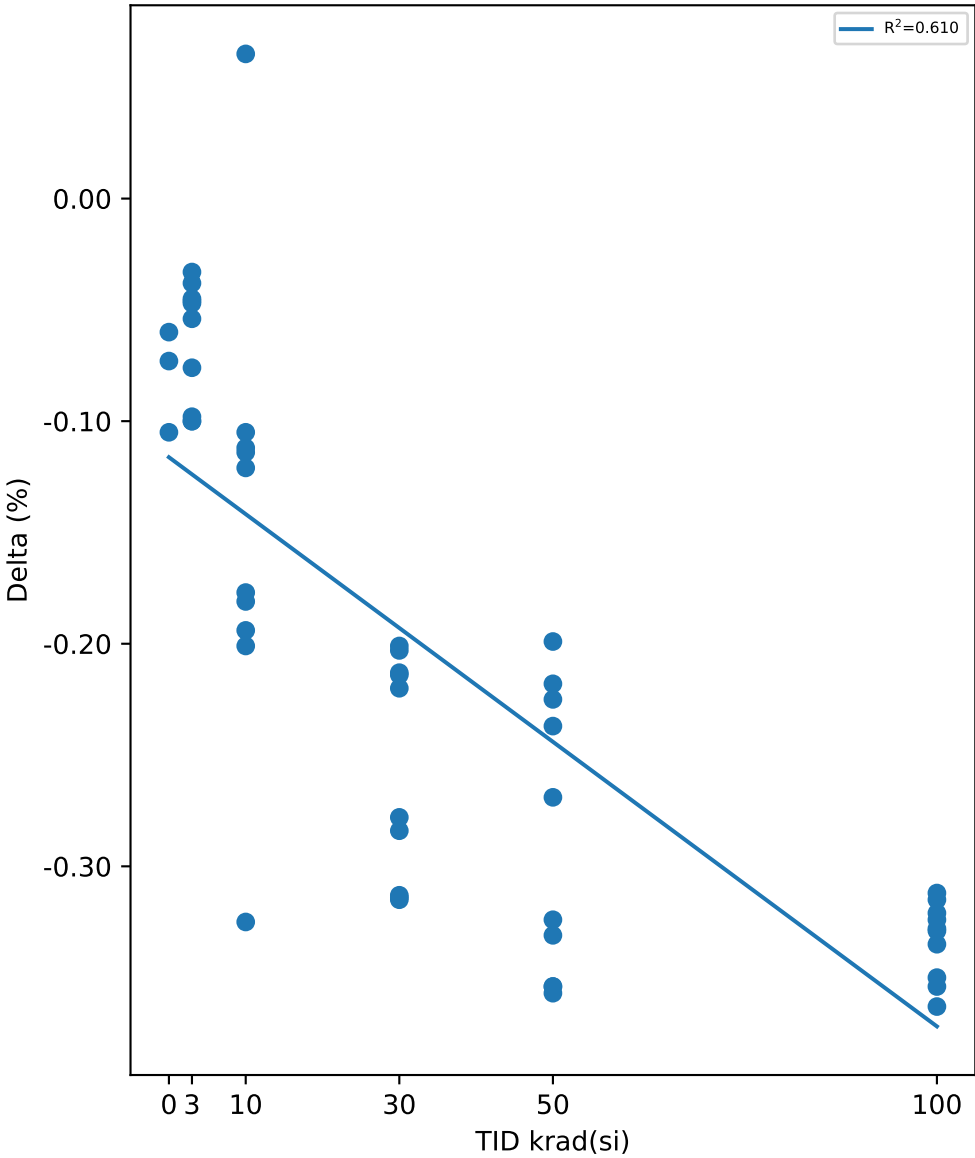
TID vs Result Stats



Test Results (Upper Limit = 23.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 12.177     | 12.072      | -0.105 |
| 301      | 0        | Correlation         | 12.075     | 12.002      | -0.073 |
| 302      | 0        | Correlation         | 12.117     | 12.057      | -0.06  |
| 303      | 3        | Bias                | 12.2       | 12.1        | -0.1   |
| 304      | 3        | Bias                | 12.372     | 12.274      | -0.098 |
| 305      | 3        | Bias                | 12.306     | 12.206      | -0.1   |
| 306      | 3        | Bias                | 12.252     | 12.176      | -0.076 |
| 307      | 3        | Bias                | 12.231     | 12.177      | -0.054 |
| 308      | 3        | Unbiased            | 12.282     | 12.244      | -0.038 |
| 309      | 3        | Unbiased            | 12.105     | 12.058      | -0.047 |
| 310      | 3        | Unbiased            | 12.267     | 12.234      | -0.033 |
| 311      | 3        | Unbiased            | 12.057     | 12.012      | -0.045 |
| 312      | 3        | Unbiased            | 11.963     | 11.917      | -0.046 |
| 313      | 10       | Bias                | 12.34      | 12.163      | -0.177 |
| 314      | 10       | Bias                | 12.137     | 11.956      | -0.181 |
| 315      | 10       | Bias                | 12.348     | 12.154      | -0.194 |
| 316      | 10       | Bias                | 12.172     | 12.058      | -0.114 |
| 317      | 10       | Bias                | 12.419     | 12.218      | -0.201 |
| 318      | 10       | Unbiased            | 11.996     | 11.891      | -0.105 |
| 319      | 10       | Unbiased            | 12.272     | 12.16       | -0.112 |
| 320      | 10       | Unbiased            | 12.198     | 12.263      | 0.065  |
| 321      | 10       | Unbiased            | 12.403     | 12.078      | -0.325 |
| 322      | 10       | Unbiased            | 12.283     | 12.162      | -0.121 |
| 323      | 30       | Bias                | 12.33      | 12.046      | -0.284 |
| 324      | 30       | Bias                | 12.238     | 11.96       | -0.278 |
| 325      | 30       | Bias                | 12.182     | 11.867      | -0.315 |
| 326      | 30       | Bias                | 12.096     | 11.782      | -0.314 |
| 327      | 30       | Bias                | 12.442     | 12.129      | -0.313 |
| 328      | 30       | Unbiased            | 12.109     | 11.906      | -0.203 |
| 329      | 30       | Unbiased            | 12.354     | 12.153      | -0.201 |
| 330      | 30       | Unbiased            | 12.096     | 11.882      | -0.214 |
| 331      | 30       | Unbiased            | 12.309     | 12.089      | -0.22  |
| 332      | 30       | Unbiased            | 12.303     | 12.09       | -0.213 |
| 333      | 50       | Bias                | 12.213     | 11.889      | -0.324 |
| 334      | 50       | Bias                | 12.153     | 11.822      | -0.331 |
| 335      | 50       | Bias                | 12.307     | 11.95       | -0.357 |
| 336      | 50       | Bias                | 12.327     | 11.973      | -0.354 |
| 337      | 50       | Bias                | 12.294     | 11.94       | -0.354 |
| 338      | 50       | Unbiased            | 12.165     | 11.896      | -0.269 |
| 339      | 50       | Unbiased            | 11.99      | 11.791      | -0.199 |
| 340      | 50       | Unbiased            | 12.144     | 11.907      | -0.237 |
| 341      | 50       | Unbiased            | 12.375     | 12.157      | -0.218 |
| 342      | 50       | Unbiased            | 12.066     | 11.841      | -0.225 |
| 343      | 100      | Bias                | 12.027     | 11.698      | -0.329 |
| 344      | 100      | Bias                | 12.232     | 11.882      | -0.35  |
| 345      | 100      | Bias                | 12.233     | 11.879      | -0.354 |
| 346      | 100      | Bias                | 12.253     | 11.925      | -0.328 |
| 347      | 100      | Bias                | 12.172     | 11.851      | -0.321 |
| 348      | 100      | Unbiased            | 12.067     | 11.752      | -0.315 |
| 349      | 100      | Unbiased            | 12.308     | 11.996      | -0.312 |
| 350      | 100      | Unbiased            | 12.042     | 11.679      | -0.363 |
| 351      | 100      | Unbiased            | 12.055     | 11.72       | -0.335 |
| 352      | 100      | Unbiased            | 11.94      | 11.616      | -0.324 |

TID vs Post - Pre Exposure Delta

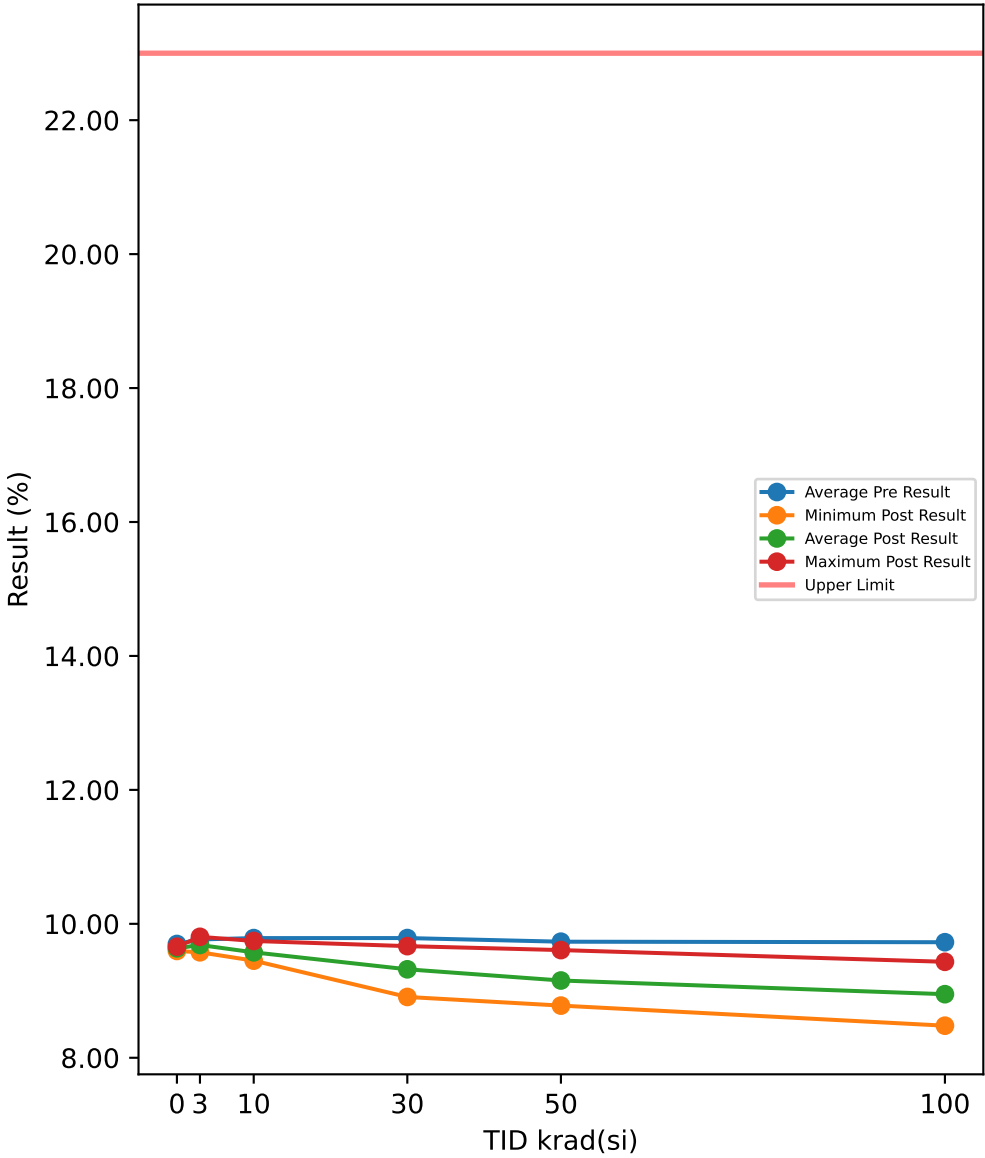


Test Statistics (%)

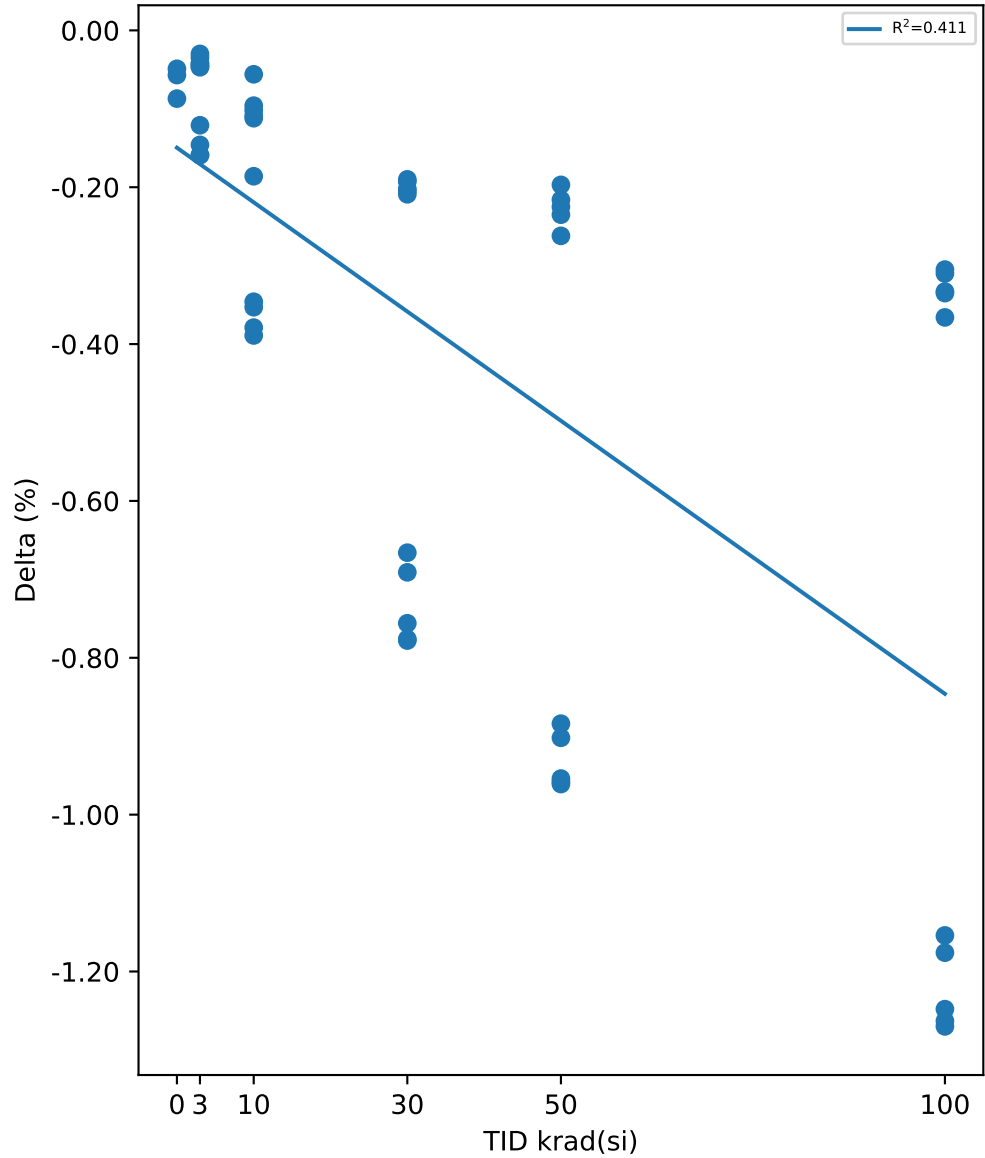
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.075           | 12.123           | 12.177           | 0.051264         | 12.002            | 12.044            | 12.072            | 0.036856          | -0.105    | -0.079333 | -0.06     | 0.023159  |
| 3        | 11.963           | 12.204           | 12.372           | 0.12526          | 11.917            | 12.14             | 12.274            | 0.11502           | -0.1      | -0.0637   | -0.033    | 0.027084  |
| 10       | 11.996           | 12.257           | 12.419           | 0.13202          | 11.891            | 12.11             | 12.263            | 0.11567           | -0.325    | -0.1465   | 0.065     | 0.099197  |
| 30       | 12.096           | 12.246           | 12.442           | 0.12124          | 11.782            | 11.99             | 12.153            | 0.12773           | -0.315    | -0.2555   | -0.201    | 0.049556  |
| 50       | 11.99            | 12.203           | 12.375           | 0.1228           | 11.791            | 11.917            | 12.157            | 0.10239           | -0.357    | -0.2868   | -0.199    | 0.063557  |
| 100      | 11.94            | 12.133           | 12.308           | 0.12182          | 11.616            | 11.8              | 11.996            | 0.12347           | -0.363    | -0.3331   | -0.312    | 0.017208  |

Device Test: 6.123; VOL\_WDO\_10MA

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 23.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 9.745      | 9.658       | -0.087 |
| 301      | 0        | Correlation         | 9.652      | 9.595       | -0.057 |
| 302      | 0        | Correlation         | 9.7        | 9.651       | -0.049 |
| 303      | 3        | Bias                | 9.855      | 9.709       | -0.146 |
| 304      | 3        | Bias                | 9.876      | 9.717       | -0.159 |
| 305      | 3        | Bias                | 9.799      | 9.64        | -0.159 |
| 306      | 3        | Bias                | 9.696      | 9.575       | -0.121 |
| 307      | 3        | Bias                | 9.802      | 9.756       | -0.046 |
| 308      | 3        | Unbiased            | 9.841      | 9.806       | -0.035 |
| 309      | 3        | Unbiased            | 9.722      | 9.675       | -0.047 |
| 310      | 3        | Unbiased            | 9.795      | 9.765       | -0.03  |
| 311      | 3        | Unbiased            | 9.652      | 9.61        | -0.042 |
| 312      | 3        | Unbiased            | 9.629      | 9.586       | -0.043 |
| 313      | 10       | Bias                | 9.796      | 9.45        | -0.346 |
| 314      | 10       | Bias                | 9.833      | 9.48        | -0.353 |
| 315      | 10       | Bias                | 9.871      | 9.482       | -0.389 |
| 316      | 10       | Bias                | 9.699      | 9.59        | -0.109 |
| 317      | 10       | Bias                | 9.834      | 9.455       | -0.379 |
| 318      | 10       | Unbiased            | 9.693      | 9.597       | -0.096 |
| 319      | 10       | Unbiased            | 9.846      | 9.744       | -0.102 |
| 320      | 10       | Unbiased            | 9.7        | 9.644       | -0.056 |
| 321      | 10       | Unbiased            | 9.775      | 9.589       | -0.186 |
| 322      | 10       | Unbiased            | 9.823      | 9.711       | -0.112 |
| 323      | 30       | Bias                | 9.941      | 9.25        | -0.691 |
| 324      | 30       | Bias                | 9.744      | 9.078       | -0.666 |
| 325      | 30       | Bias                | 9.816      | 9.04        | -0.776 |
| 326      | 30       | Bias                | 9.664      | 8.908       | -0.756 |
| 327      | 30       | Bias                | 9.966      | 9.188       | -0.778 |
| 328      | 30       | Unbiased            | 9.688      | 9.495       | -0.193 |
| 329      | 30       | Unbiased            | 9.789      | 9.599       | -0.19  |
| 330      | 30       | Unbiased            | 9.688      | 9.479       | -0.209 |
| 331      | 30       | Unbiased            | 9.71       | 9.505       | -0.205 |
| 332      | 30       | Unbiased            | 9.869      | 9.667       | -0.202 |
| 333      | 50       | Bias                | 9.663      | 8.779       | -0.884 |
| 334      | 50       | Bias                | 9.738      | 8.836       | -0.902 |
| 335      | 50       | Bias                | 9.79       | 8.832       | -0.958 |
| 336      | 50       | Bias                | 9.755      | 8.801       | -0.954 |
| 337      | 50       | Bias                | 9.778      | 8.817       | -0.961 |
| 338      | 50       | Unbiased            | 9.708      | 9.446       | -0.262 |
| 339      | 50       | Unbiased            | 9.599      | 9.402       | -0.197 |
| 340      | 50       | Unbiased            | 9.768      | 9.533       | -0.235 |
| 341      | 50       | Unbiased            | 9.824      | 9.608       | -0.216 |
| 342      | 50       | Unbiased            | 9.709      | 9.484       | -0.225 |
| 343      | 100      | Bias                | 9.633      | 8.479       | -1.154 |
| 344      | 100      | Bias                | 9.726      | 8.55        | -1.176 |
| 345      | 100      | Bias                | 9.817      | 8.569       | -1.248 |
| 346      | 100      | Bias                | 9.871      | 8.608       | -1.263 |
| 347      | 100      | Bias                | 9.803      | 8.533       | -1.27  |
| 348      | 100      | Unbiased            | 9.656      | 9.346       | -0.31  |
| 349      | 100      | Unbiased            | 9.738      | 9.433       | -0.305 |
| 350      | 100      | Unbiased            | 9.699      | 9.333       | -0.366 |
| 351      | 100      | Unbiased            | 9.689      | 9.356       | -0.333 |
| 352      | 100      | Unbiased            | 9.622      | 9.287       | -0.335 |

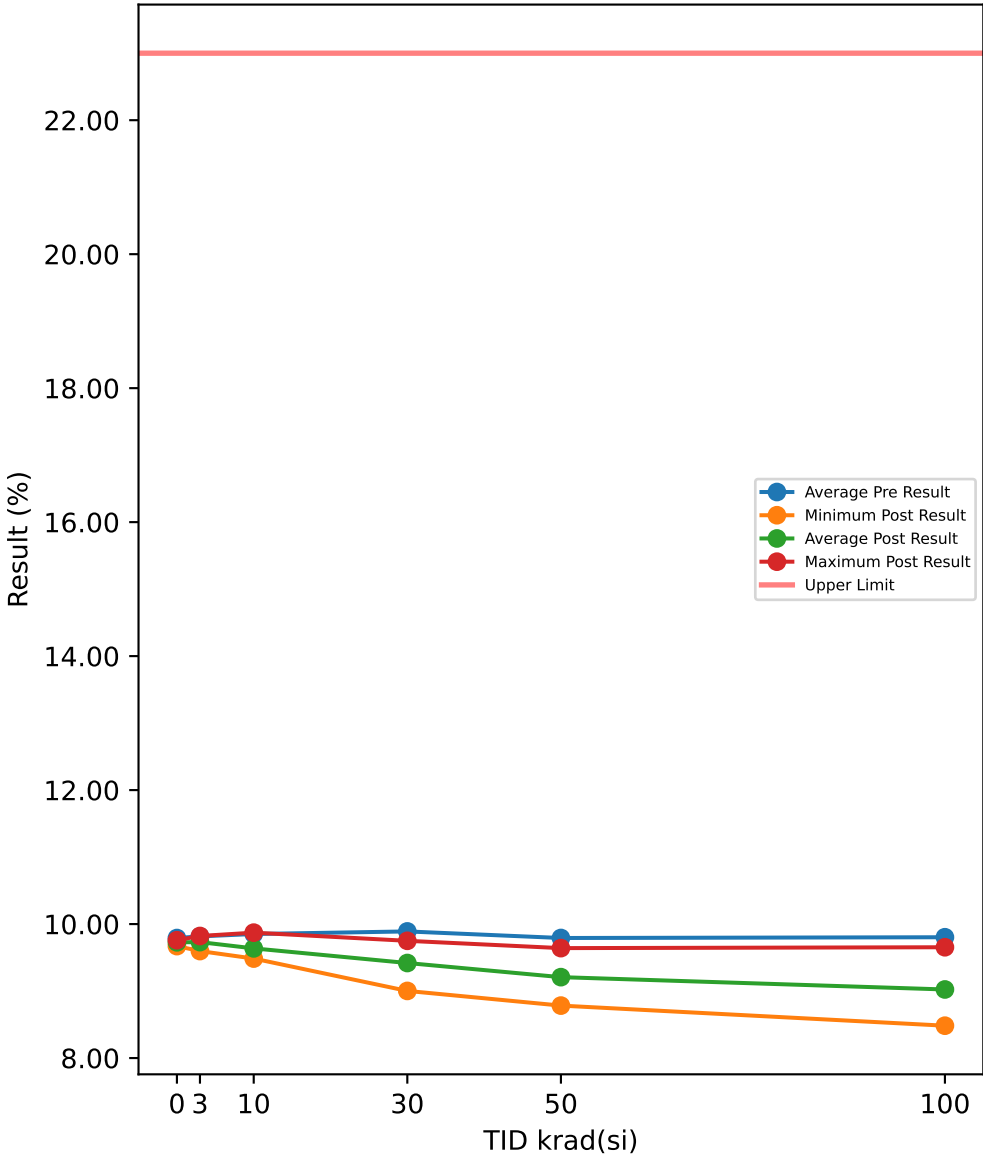
Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 9.652            | 9.699            | 9.745            | 0.046508         | 9.595             | 9.6347            | 9.658             | 0.03453           | -0.087    | -0.064333 | -0.049    | 0.020033  |
| 3        | 9.629            | 9.7667           | 9.876            | 0.086582         | 9.575             | 9.6839            | 9.806             | 0.079806          | -0.159    | -0.0828   | -0.03     | 0.055801  |
| 10       | 9.693            | 9.787            | 9.871            | 0.067109         | 9.45              | 9.5742            | 9.744             | 0.10563           | -0.389    | -0.2128   | -0.056    | 0.13672   |
| 30       | 9.664            | 9.7875           | 9.966            | 0.10844          | 8.908             | 9.3209            | 9.667             | 0.26192           | -0.778    | -0.4666   | -0.19     | 0.28338   |
| 50       | 9.599            | 9.7332           | 9.824            | 0.066119         | 8.779             | 9.1538            | 9.608             | 0.36348           | -0.961    | -0.5794   | -0.197    | 0.37259   |
| 100      | 9.622            | 9.7254           | 9.871            | 0.082891         | 8.479             | 8.9494            | 9.433             | 0.42597           | -1.27     | -0.776    | -0.305    | 0.47196   |

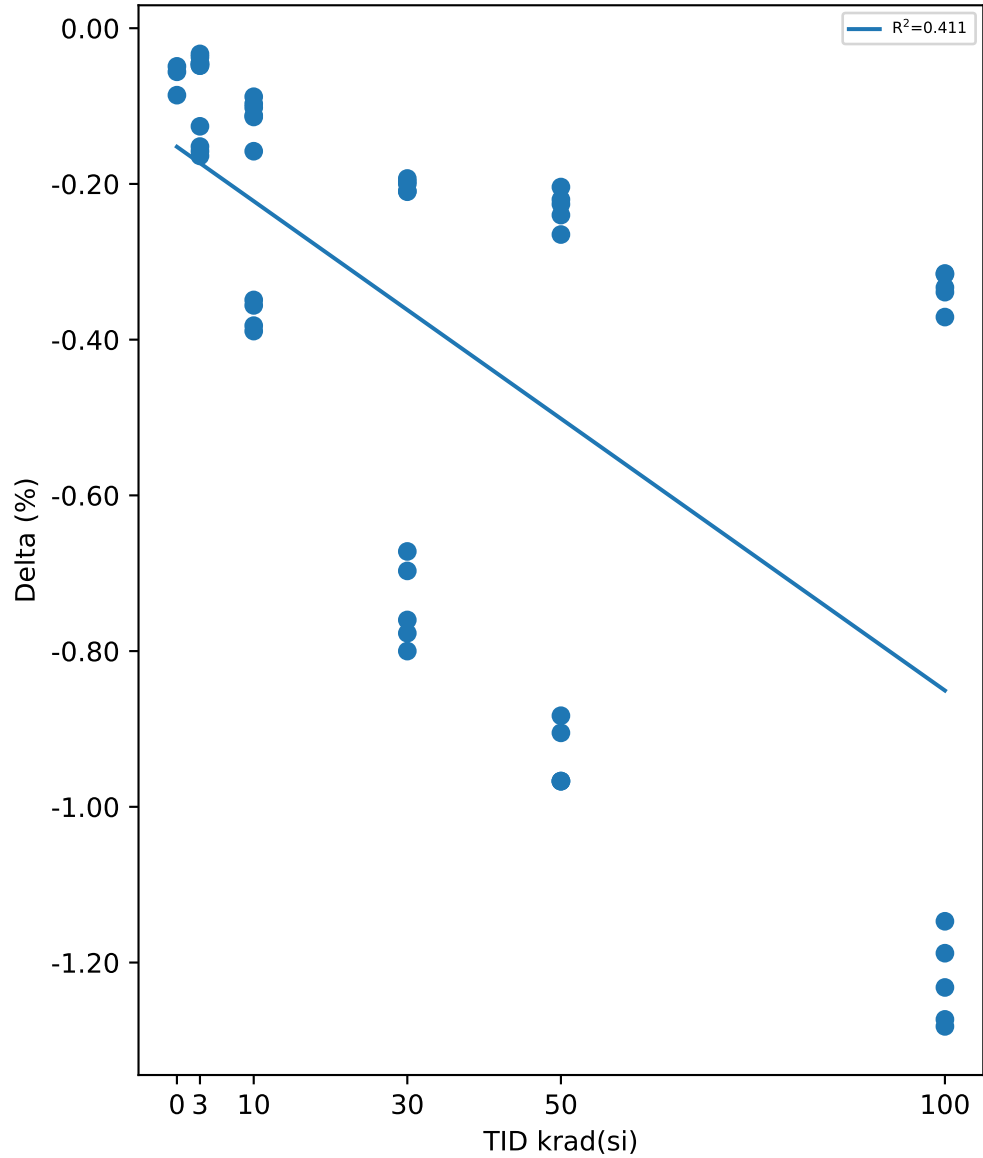


Device Test: 6.124; VOL\_PWRGD\_10MA

TID vs Result Stats



TID vs Post - Pre Exposure Delta



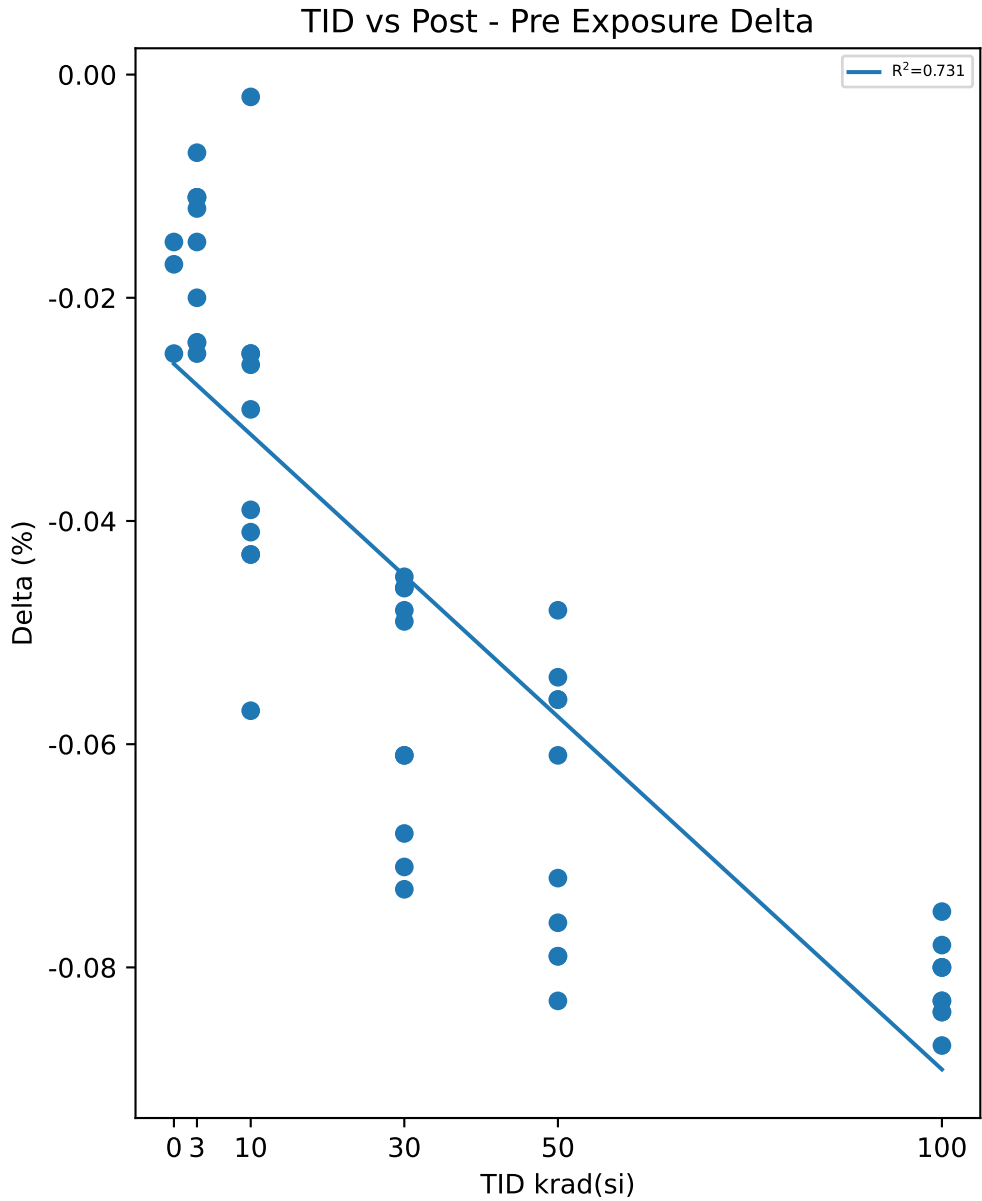
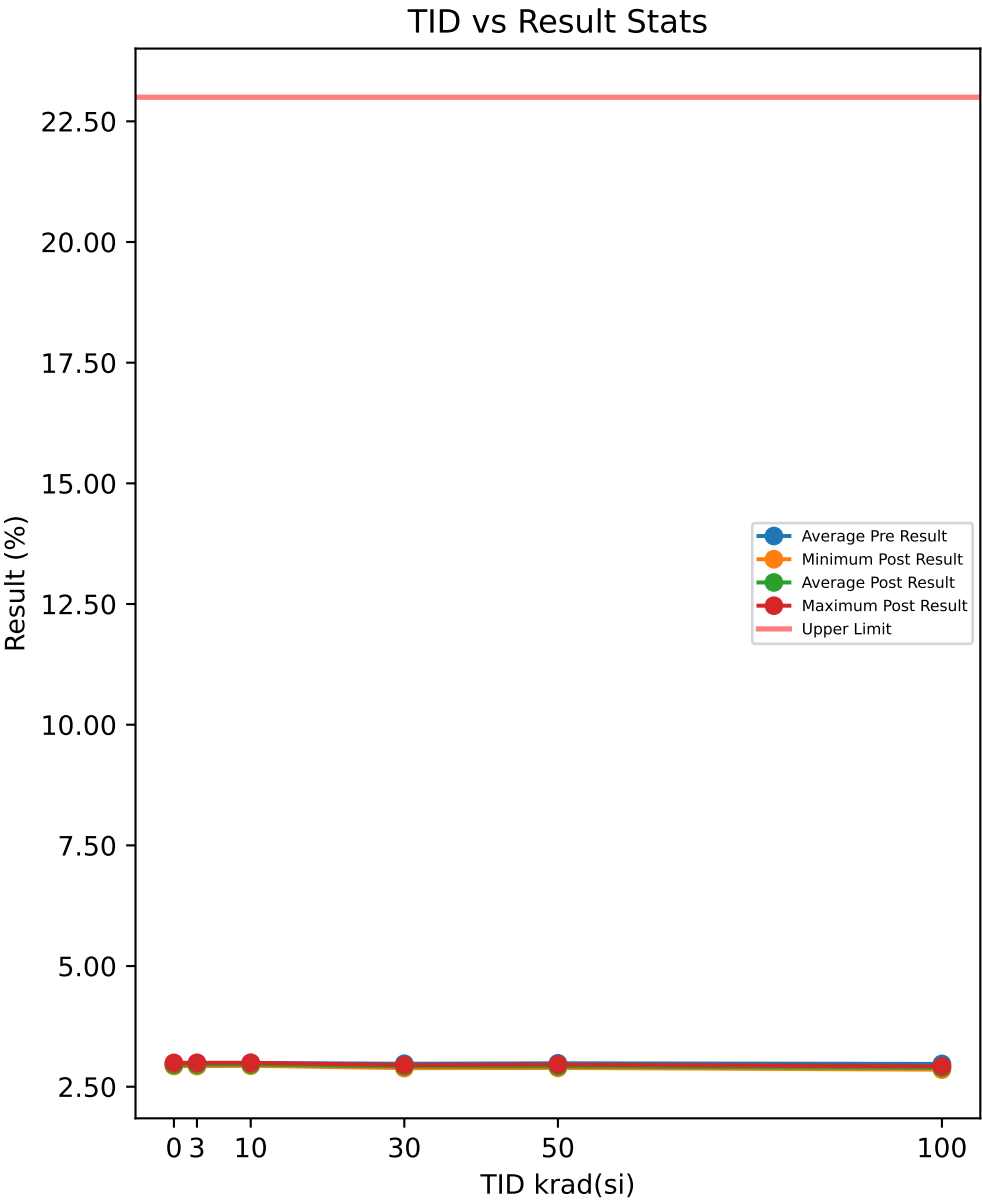
Test Results (Upper Limit = 23.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 9.845      | 9.759       | -0.086 |
| 301      | 0        | Correlation         | 9.727      | 9.671       | -0.056 |
| 302      | 0        | Correlation         | 9.802      | 9.753       | -0.049 |
| 303      | 3        | Bias                | 9.897      | 9.745       | -0.152 |
| 304      | 3        | Bias                | 9.886      | 9.728       | -0.158 |
| 305      | 3        | Bias                | 9.89       | 9.726       | -0.164 |
| 306      | 3        | Bias                | 9.833      | 9.707       | -0.126 |
| 307      | 3        | Bias                | 9.854      | 9.806       | -0.048 |
| 308      | 3        | Unbiased            | 9.859      | 9.822       | -0.037 |
| 309      | 3        | Unbiased            | 9.778      | 9.73        | -0.048 |
| 310      | 3        | Unbiased            | 9.81       | 9.777       | -0.033 |
| 311      | 3        | Unbiased            | 9.714      | 9.669       | -0.045 |
| 312      | 3        | Unbiased            | 9.642      | 9.597       | -0.045 |
| 313      | 10       | Bias                | 9.905      | 9.556       | -0.349 |
| 314      | 10       | Bias                | 9.841      | 9.485       | -0.356 |
| 315      | 10       | Bias                | 9.91       | 9.521       | -0.389 |
| 316      | 10       | Bias                | 9.777      | 9.665       | -0.112 |
| 317      | 10       | Bias                | 9.909      | 9.527       | -0.382 |
| 318      | 10       | Unbiased            | 9.661      | 9.564       | -0.097 |
| 319      | 10       | Unbiased            | 9.974      | 9.872       | -0.102 |
| 320      | 10       | Unbiased            | 9.815      | 9.727       | -0.088 |
| 321      | 10       | Unbiased            | 9.859      | 9.701       | -0.158 |
| 322      | 10       | Unbiased            | 9.866      | 9.752       | -0.114 |
| 323      | 30       | Bias                | 10.039     | 9.342       | -0.697 |
| 324      | 30       | Bias                | 9.854      | 9.182       | -0.672 |
| 325      | 30       | Bias                | 9.83       | 9.053       | -0.777 |
| 326      | 30       | Bias                | 9.762      | 9.002       | -0.76  |
| 327      | 30       | Bias                | 10.133     | 9.333       | -0.8   |
| 328      | 30       | Unbiased            | 9.799      | 9.602       | -0.197 |
| 329      | 30       | Unbiased            | 9.897      | 9.704       | -0.193 |
| 330      | 30       | Unbiased            | 9.796      | 9.586       | -0.21  |
| 331      | 30       | Unbiased            | 9.842      | 9.633       | -0.209 |
| 332      | 30       | Unbiased            | 9.95       | 9.75        | -0.2   |
| 333      | 50       | Bias                | 9.666      | 8.783       | -0.883 |
| 334      | 50       | Bias                | 9.81       | 8.905       | -0.905 |
| 335      | 50       | Bias                | 9.842      | 8.875       | -0.967 |
| 336      | 50       | Bias                | 9.864      | 8.897       | -0.967 |
| 337      | 50       | Bias                | 9.844      | 8.877       | -0.967 |
| 338      | 50       | Unbiased            | 9.806      | 9.541       | -0.265 |
| 339      | 50       | Unbiased            | 9.722      | 9.518       | -0.204 |
| 340      | 50       | Unbiased            | 9.788      | 9.548       | -0.24  |
| 341      | 50       | Unbiased            | 9.861      | 9.641       | -0.22  |
| 342      | 50       | Unbiased            | 9.718      | 9.492       | -0.226 |
| 343      | 100      | Bias                | 9.63       | 8.483       | -1.147 |
| 344      | 100      | Bias                | 9.816      | 8.628       | -1.188 |
| 345      | 100      | Bias                | 9.817      | 8.585       | -1.232 |
| 346      | 100      | Bias                | 9.958      | 8.685       | -1.273 |
| 347      | 100      | Bias                | 9.893      | 8.611       | -1.282 |
| 348      | 100      | Unbiased            | 9.702      | 9.386       | -0.316 |
| 349      | 100      | Unbiased            | 9.969      | 9.654       | -0.315 |
| 350      | 100      | Unbiased            | 9.819      | 9.448       | -0.371 |
| 351      | 100      | Unbiased            | 9.803      | 9.464       | -0.339 |
| 352      | 100      | Unbiased            | 9.626      | 9.293       | -0.333 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 9.727            | 9.7913           | 9.845            | 0.059719         | 9.671             | 9.7277            | 9.759             | 0.049166          | -0.086    | -0.063667 | -0.049    | 0.019655  |
| 3        | 9.642            | 9.8163           | 9.897            | 0.083452         | 9.597             | 9.7307            | 9.822             | 0.065513          | -0.164    | -0.0856   | -0.033    | 0.056453  |
| 10       | 9.661            | 9.8517           | 9.974            | 0.087016         | 9.485             | 9.637             | 9.872             | 0.1256            | -0.389    | -0.2147   | -0.088    | 0.13453   |
| 30       | 9.762            | 9.8902           | 10.133           | 0.11813          | 9.002             | 9.4187            | 9.75              | 0.27392           | -0.8      | -0.4715   | -0.193    | 0.28664   |
| 50       | 9.666            | 9.7921           | 9.864            | 0.068262         | 8.783             | 9.2077            | 9.641             | 0.36214           | -0.967    | -0.5844   | -0.204    | 0.37382   |
| 100      | 9.626            | 9.8033           | 9.969            | 0.121            | 8.483             | 9.0237            | 9.654             | 0.45964           | -1.282    | -0.7796   | -0.315    | 0.47065   |

Device Test: 6.125; VOL\_RESET\_10MA

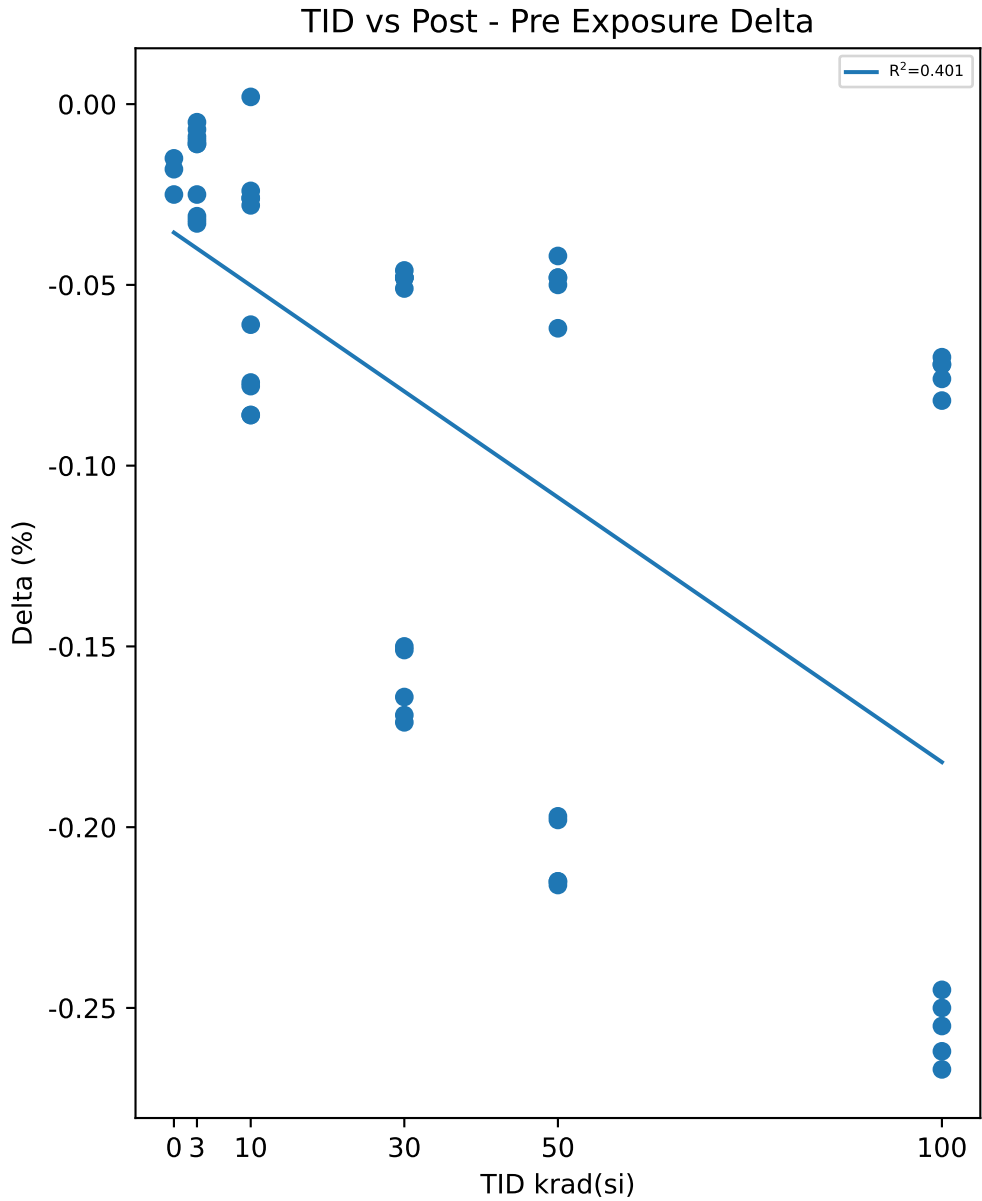
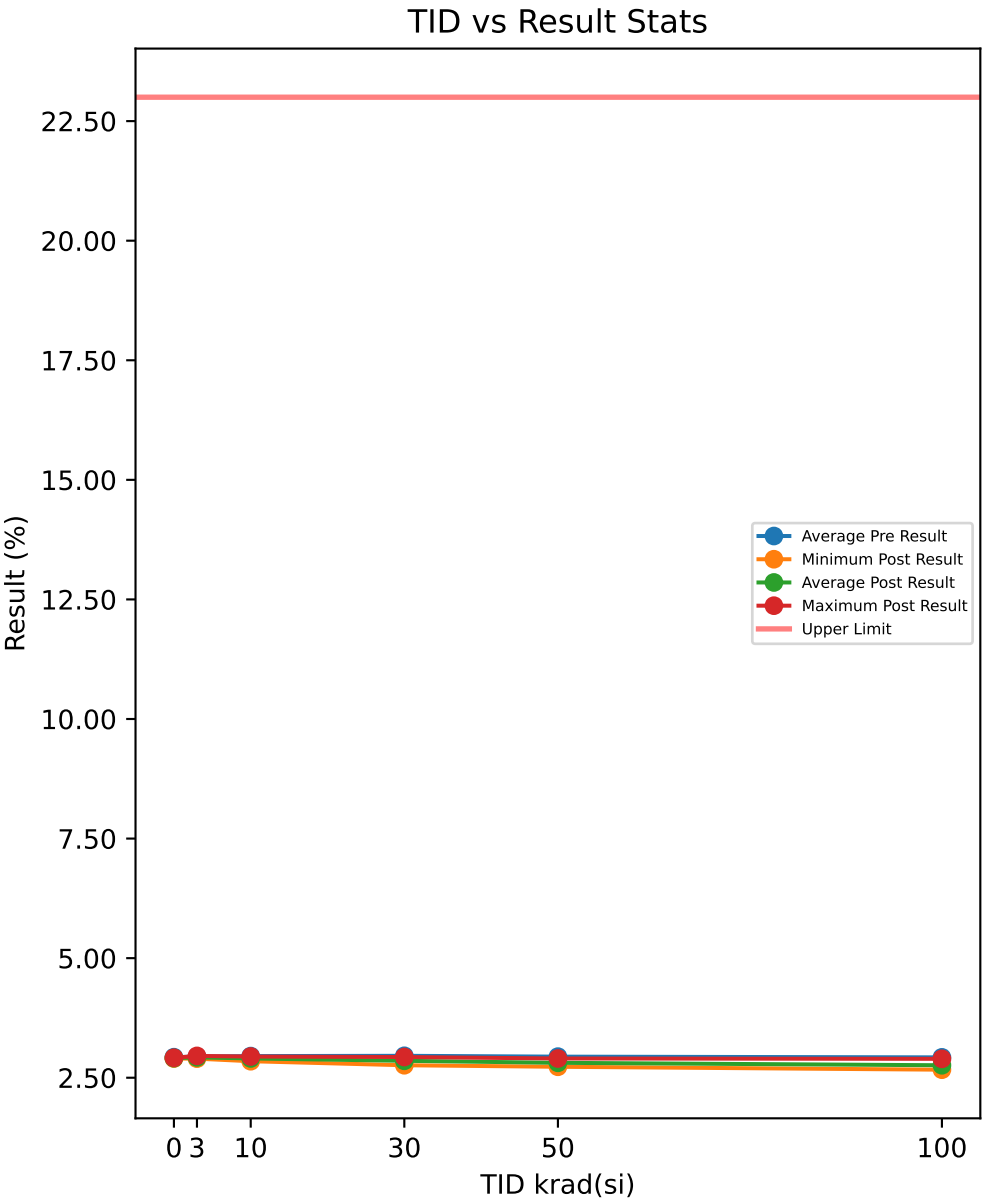


| Test Results (Upper Limit = 23.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 2.96       | 2.935       | -0.025 |
| 301                                   | 0        | Correlation         | 2.946      | 2.929       | -0.017 |
| 302                                   | 0        | Correlation         | 3.009      | 2.994       | -0.015 |
| 303                                   | 3        | Bias                | 2.958      | 2.934       | -0.024 |
| 304                                   | 3        | Bias                | 3.021      | 2.996       | -0.025 |
| 305                                   | 3        | Bias                | 2.973      | 2.949       | -0.024 |
| 306                                   | 3        | Bias                | 2.975      | 2.955       | -0.02  |
| 307                                   | 3        | Bias                | 2.971      | 2.956       | -0.015 |
| 308                                   | 3        | Unbiased            | 2.969      | 2.957       | -0.012 |
| 309                                   | 3        | Unbiased            | 3          | 2.989       | -0.011 |
| 310                                   | 3        | Unbiased            | 2.966      | 2.959       | -0.007 |
| 311                                   | 3        | Unbiased            | 2.937      | 2.926       | -0.011 |
| 312                                   | 3        | Unbiased            | 2.948      | 2.937       | -0.011 |
| 313                                   | 10       | Bias                | 2.991      | 2.952       | -0.039 |
| 314                                   | 10       | Bias                | 3.008      | 2.965       | -0.043 |
| 315                                   | 10       | Bias                | 2.98       | 2.939       | -0.041 |
| 316                                   | 10       | Bias                | 2.989      | 2.963       | -0.026 |
| 317                                   | 10       | Bias                | 2.987      | 2.944       | -0.043 |
| 318                                   | 10       | Unbiased            | 2.982      | 2.957       | -0.025 |
| 319                                   | 10       | Unbiased            | 2.959      | 2.934       | -0.025 |
| 320                                   | 10       | Unbiased            | 3.012      | 2.955       | -0.057 |
| 321                                   | 10       | Unbiased            | 2.986      | 2.984       | -0.002 |
| 322                                   | 10       | Unbiased            | 3.026      | 2.996       | -0.03  |
| 323                                   | 30       | Bias                | 2.975      | 2.914       | -0.061 |
| 324                                   | 30       | Bias                | 2.965      | 2.904       | -0.061 |
| 325                                   | 30       | Bias                | 3.011      | 2.938       | -0.073 |
| 326                                   | 30       | Bias                | 2.956      | 2.885       | -0.071 |
| 327                                   | 30       | Bias                | 2.996      | 2.928       | -0.068 |
| 328                                   | 30       | Unbiased            | 2.954      | 2.909       | -0.045 |
| 329                                   | 30       | Unbiased            | 2.994      | 2.948       | -0.046 |
| 330                                   | 30       | Unbiased            | 2.961      | 2.913       | -0.048 |
| 331                                   | 30       | Unbiased            | 2.984      | 2.935       | -0.049 |
| 332                                   | 30       | Unbiased            | 2.968      | 2.922       | -0.046 |
| 333                                   | 50       | Bias                | 2.962      | 2.89        | -0.072 |
| 334                                   | 50       | Bias                | 3          | 2.924       | -0.076 |
| 335                                   | 50       | Bias                | 2.973      | 2.894       | -0.079 |
| 336                                   | 50       | Bias                | 2.989      | 2.91        | -0.079 |
| 337                                   | 50       | Bias                | 3.031      | 2.948       | -0.083 |
| 338                                   | 50       | Unbiased            | 2.972      | 2.911       | -0.061 |
| 339                                   | 50       | Unbiased            | 2.937      | 2.889       | -0.048 |
| 340                                   | 50       | Unbiased            | 2.987      | 2.931       | -0.056 |
| 341                                   | 50       | Unbiased            | 2.989      | 2.935       | -0.054 |
| 342                                   | 50       | Unbiased            | 3.014      | 2.958       | -0.056 |
| 343                                   | 100      | Bias                | 2.964      | 2.884       | -0.08  |
| 344                                   | 100      | Bias                | 2.981      | 2.898       | -0.083 |
| 345                                   | 100      | Bias                | 2.966      | 2.882       | -0.084 |
| 346                                   | 100      | Bias                | 2.991      | 2.908       | -0.083 |
| 347                                   | 100      | Bias                | 2.979      | 2.899       | -0.08  |
| 348                                   | 100      | Unbiased            | 3.003      | 2.923       | -0.08  |
| 349                                   | 100      | Unbiased            | 2.974      | 2.899       | -0.075 |
| 350                                   | 100      | Unbiased            | 2.94       | 2.853       | -0.087 |
| 351                                   | 100      | Unbiased            | 2.982      | 2.898       | -0.084 |
| 352                                   | 100      | Unbiased            | 2.942      | 2.864       | -0.078 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 2.946            | 2.9717           | 3.009            | 0.033081         | 2.929             | 2.9527            | 2.994             | 0.035921          | -0.025    | -0.019    | -0.015    | 0.0052915 |
| 3        | 2.937            | 2.9718           | 3.021            | 0.024124         | 2.926             | 2.9558            | 2.996             | 0.022345          | -0.025    | -0.016    | -0.007    | 0.00665   |
| 10       | 2.959            | 2.992            | 3.026            | 0.018903         | 2.934             | 2.9589            | 2.996             | 0.019336          | -0.057    | -0.0331   | -0.002    | 0.014992  |
| 30       | 2.954            | 2.9764           | 3.011            | 0.019167         | 2.885             | 2.9196            | 2.948             | 0.018518          | -0.073    | -0.0568   | -0.045    | 0.011233  |
| 50       | 2.937            | 2.9854           | 3.031            | 0.026588         | 2.889             | 2.919             | 2.958             | 0.024262          | -0.083    | -0.0664   | -0.048    | 0.012712  |
| 100      | 2.94             | 2.9722           | 3.003            | 0.019943         | 2.853             | 2.8908            | 2.923             | 0.02066           | -0.087    | -0.0814   | -0.075    | 0.0034705 |

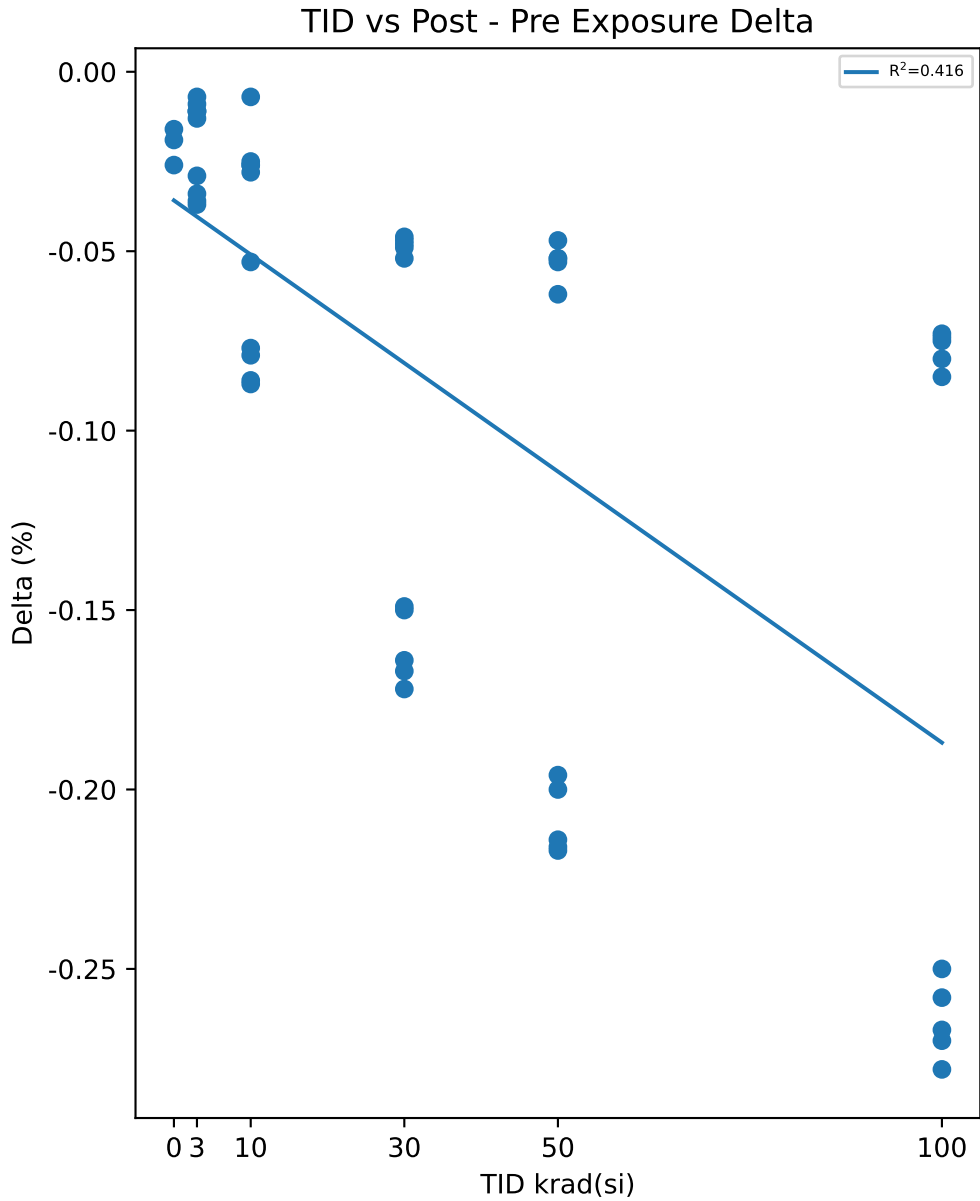
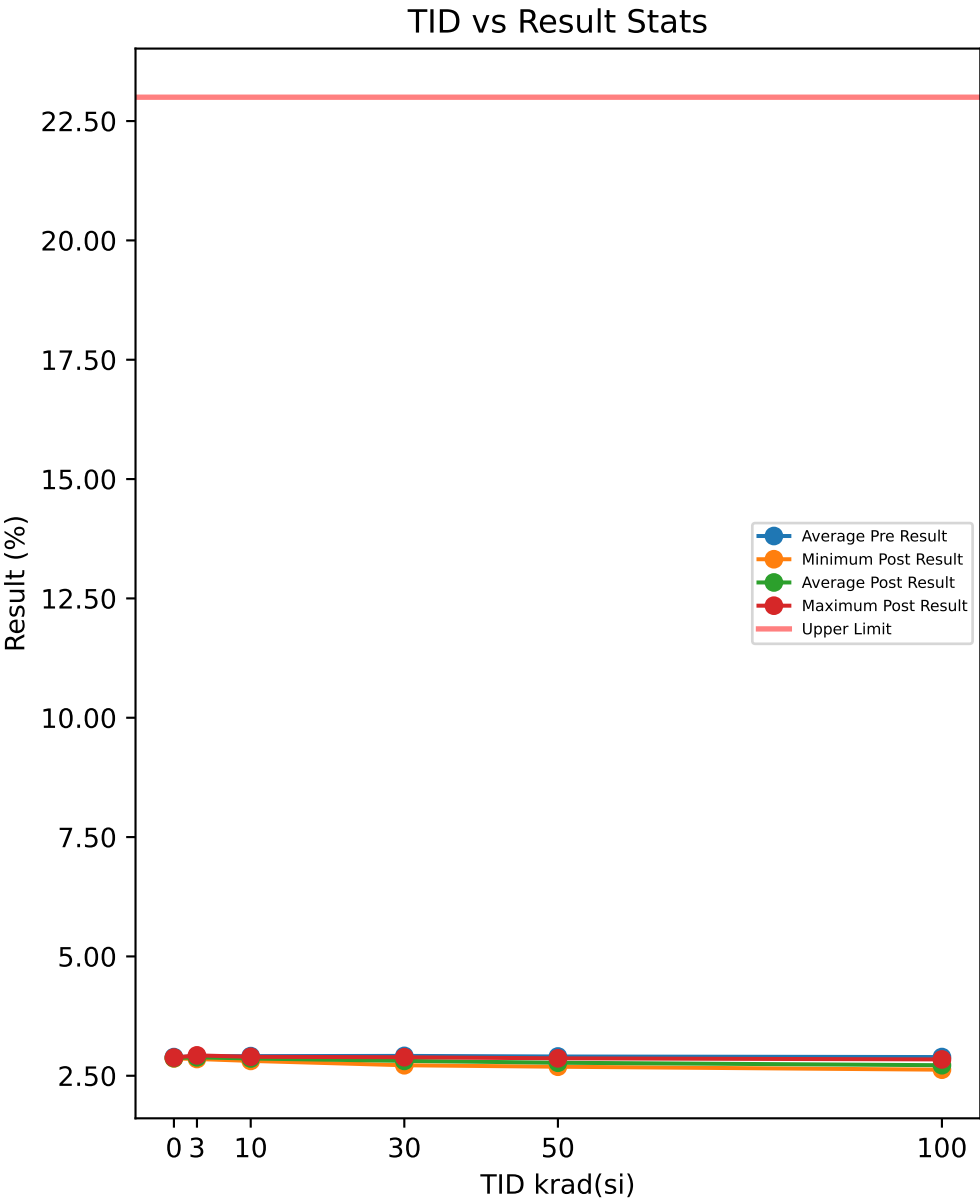
Device Test: 6.126; VOL\_RESET\_10MA



| Test Results (Upper Limit = 23.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 2.942      | 2.917       | -0.025 |
| 301                                   | 0        | Correlation         | 2.919      | 2.901       | -0.018 |
| 302                                   | 0        | Correlation         | 2.927      | 2.912       | -0.015 |
| 303                                   | 3        | Bias                | 2.942      | 2.911       | -0.031 |
| 304                                   | 3        | Bias                | 2.949      | 2.917       | -0.032 |
| 305                                   | 3        | Bias                | 2.964      | 2.931       | -0.033 |
| 306                                   | 3        | Bias                | 2.944      | 2.919       | -0.025 |
| 307                                   | 3        | Bias                | 2.954      | 2.945       | -0.009 |
| 308                                   | 3        | Unbiased            | 2.959      | 2.954       | -0.005 |
| 309                                   | 3        | Unbiased            | 2.919      | 2.909       | -0.01  |
| 310                                   | 3        | Unbiased            | 2.963      | 2.956       | -0.007 |
| 311                                   | 3        | Unbiased            | 2.921      | 2.91        | -0.011 |
| 312                                   | 3        | Unbiased            | 2.91       | 2.899       | -0.011 |
| 313                                   | 10       | Bias                | 2.971      | 2.894       | -0.077 |
| 314                                   | 10       | Bias                | 2.923      | 2.845       | -0.078 |
| 315                                   | 10       | Bias                | 2.969      | 2.883       | -0.086 |
| 316                                   | 10       | Bias                | 2.946      | 2.92        | -0.026 |
| 317                                   | 10       | Bias                | 2.98       | 2.894       | -0.086 |
| 318                                   | 10       | Unbiased            | 2.911      | 2.887       | -0.024 |
| 319                                   | 10       | Unbiased            | 2.964      | 2.938       | -0.026 |
| 320                                   | 10       | Unbiased            | 2.941      | 2.943       | 0.002  |
| 321                                   | 10       | Unbiased            | 2.975      | 2.914       | -0.061 |
| 322                                   | 10       | Unbiased            | 2.944      | 2.916       | -0.028 |
| 323                                   | 30       | Bias                | 2.972      | 2.821       | -0.151 |
| 324                                   | 30       | Bias                | 2.962      | 2.812       | -0.15  |
| 325                                   | 30       | Bias                | 2.932      | 2.761       | -0.171 |
| 326                                   | 30       | Bias                | 2.941      | 2.772       | -0.169 |
| 327                                   | 30       | Bias                | 2.993      | 2.829       | -0.164 |
| 328                                   | 30       | Unbiased            | 2.944      | 2.896       | -0.048 |
| 329                                   | 30       | Unbiased            | 2.979      | 2.933       | -0.046 |
| 330                                   | 30       | Unbiased            | 2.929      | 2.881       | -0.048 |
| 331                                   | 30       | Unbiased            | 2.959      | 2.908       | -0.051 |
| 332                                   | 30       | Unbiased            | 2.972      | 2.924       | -0.048 |
| 333                                   | 50       | Bias                | 2.954      | 2.756       | -0.198 |
| 334                                   | 50       | Bias                | 2.926      | 2.729       | -0.197 |
| 335                                   | 50       | Bias                | 2.959      | 2.744       | -0.215 |
| 336                                   | 50       | Bias                | 2.965      | 2.75        | -0.215 |
| 337                                   | 50       | Bias                | 2.969      | 2.753       | -0.216 |
| 338                                   | 50       | Unbiased            | 2.945      | 2.883       | -0.062 |
| 339                                   | 50       | Unbiased            | 2.899      | 2.857       | -0.042 |
| 340                                   | 50       | Unbiased            | 2.927      | 2.877       | -0.05  |
| 341                                   | 50       | Unbiased            | 2.95       | 2.902       | -0.048 |
| 342                                   | 50       | Unbiased            | 2.914      | 2.866       | -0.048 |
| 343                                   | 100      | Bias                | 2.913      | 2.668       | -0.245 |
| 344                                   | 100      | Bias                | 2.933      | 2.683       | -0.25  |
| 345                                   | 100      | Bias                | 2.935      | 2.673       | -0.262 |
| 346                                   | 100      | Bias                | 2.947      | 2.68        | -0.267 |
| 347                                   | 100      | Bias                | 2.938      | 2.683       | -0.255 |
| 348                                   | 100      | Unbiased            | 2.908      | 2.838       | -0.07  |
| 349                                   | 100      | Unbiased            | 2.967      | 2.895       | -0.072 |
| 350                                   | 100      | Unbiased            | 2.915      | 2.833       | -0.082 |
| 351                                   | 100      | Unbiased            | 2.901      | 2.825       | -0.076 |
| 352                                   | 100      | Unbiased            | 2.901      | 2.829       | -0.072 |

| Test Statistics (%) |                  |                  |                  |                  |                   |                   |                   |                   |           |           |           |           |
|---------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| krad(si)            | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
| 0                   | 2.919            | 2.9293           | 2.942            | 0.011676         | 2.901             | 2.91              | 2.917             | 0.0081854         | -0.025    | -0.019333 | -0.015    | 0.0051316 |
| 3                   | 2.91             | 2.9425           | 2.964            | 0.019444         | 2.899             | 2.9251            | 2.956             | 0.020251          | -0.033    | -0.0174   | -0.005    | 0.011394  |
| 10                  | 2.911            | 2.9524           | 2.98             | 0.02321          | 2.845             | 2.9034            | 2.943             | 0.029029          | -0.086    | -0.049    | 0.002     | 0.032028  |
| 30                  | 2.929            | 2.9583           | 2.993            | 0.021281         | 2.761             | 2.8537            | 2.933             | 0.062716          | -0.171    | -0.1046   | -0.046    | 0.05983   |
| 50                  | 2.899            | 2.9408           | 2.969            | 0.023247         | 2.729             | 2.8117            | 2.902             | 0.070143          | -0.216    | -0.1291   | -0.042    | 0.083777  |
| 100                 | 2.901            | 2.9258           | 2.967            | 0.021755         | 2.668             | 2.7607            | 2.895             | 0.090006          | -0.267    | -0.1651   | -0.07     | 0.095842  |

Device Test: 6.127; VOL\_RESET\_10MA

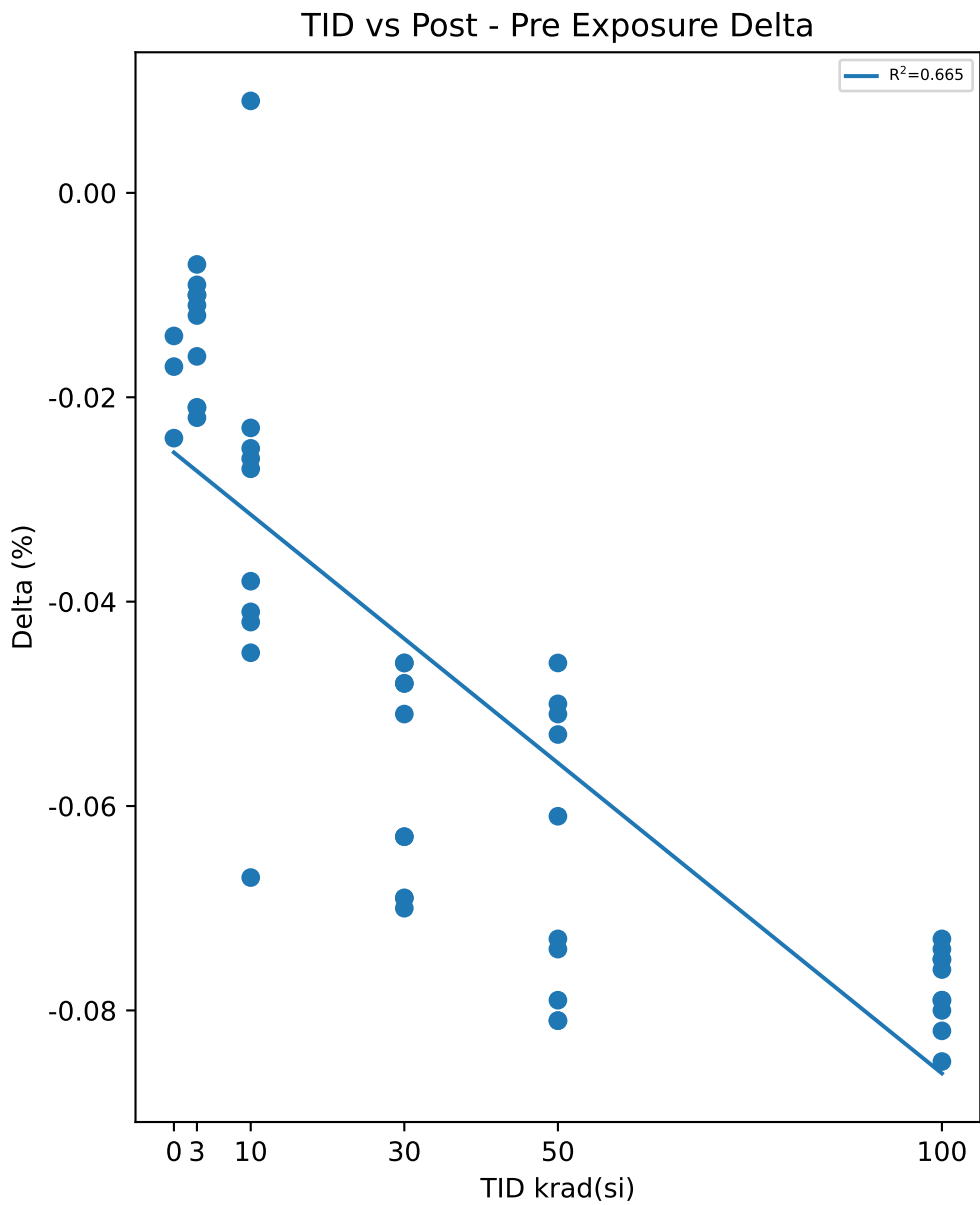
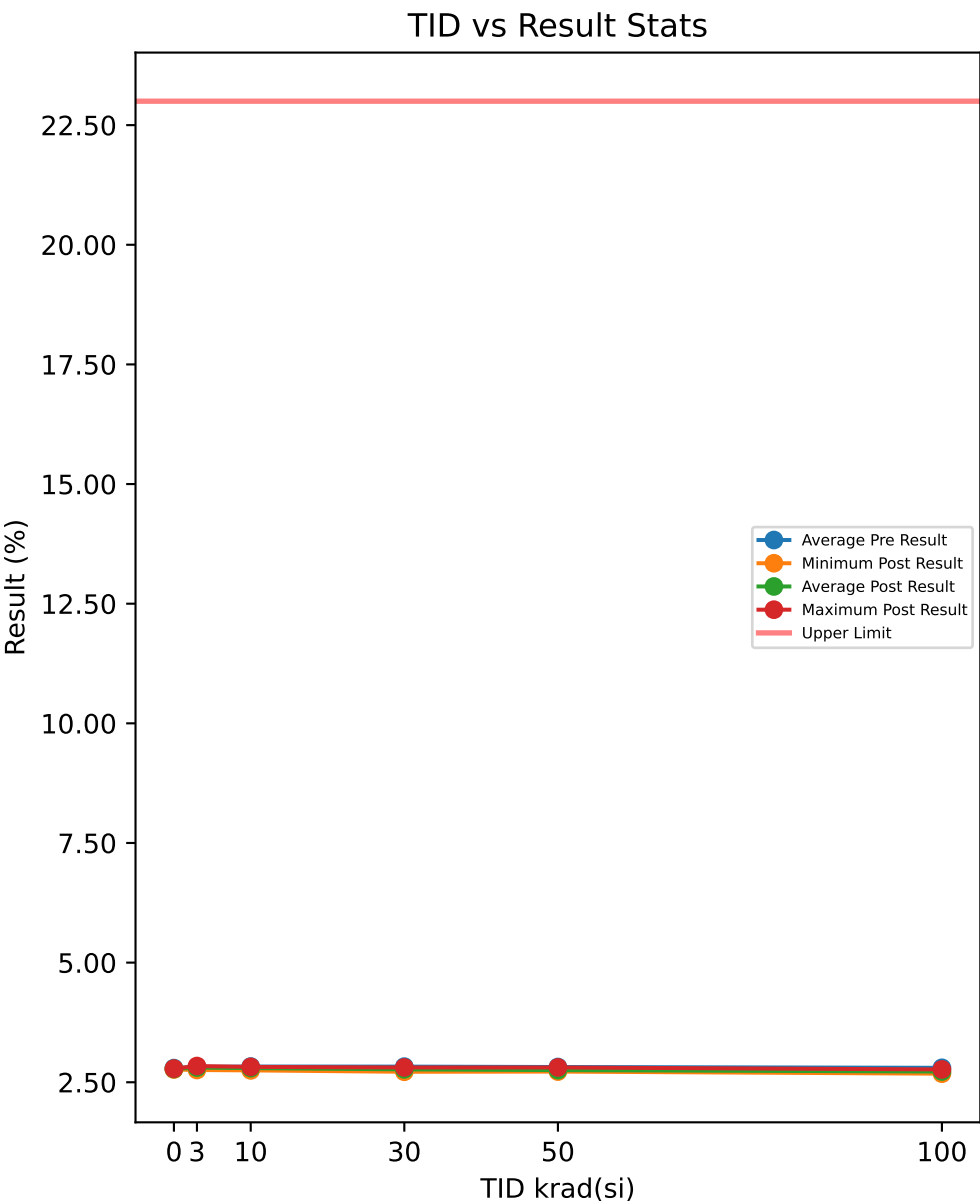


| Test Results (Upper Limit = 23.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 2.906      | 2.88        | -0.026 |
| 301                                   | 0        | Correlation         | 2.882      | 2.863       | -0.019 |
| 302                                   | 0        | Correlation         | 2.884      | 2.868       | -0.016 |
| 303                                   | 3        | Bias                | 2.9        | 2.866       | -0.034 |
| 304                                   | 3        | Bias                | 2.935      | 2.899       | -0.036 |
| 305                                   | 3        | Bias                | 2.912      | 2.875       | -0.037 |
| 306                                   | 3        | Bias                | 2.918      | 2.889       | -0.029 |
| 307                                   | 3        | Bias                | 2.913      | 2.9         | -0.013 |
| 308                                   | 3        | Unbiased            | 2.936      | 2.927       | -0.009 |
| 309                                   | 3        | Unbiased            | 2.888      | 2.877       | -0.011 |
| 310                                   | 3        | Unbiased            | 2.921      | 2.914       | -0.007 |
| 311                                   | 3        | Unbiased            | 2.876      | 2.865       | -0.011 |
| 312                                   | 3        | Unbiased            | 2.862      | 2.851       | -0.011 |
| 313                                   | 10       | Bias                | 2.934      | 2.857       | -0.077 |
| 314                                   | 10       | Bias                | 2.89       | 2.811       | -0.079 |
| 315                                   | 10       | Bias                | 2.92       | 2.834       | -0.086 |
| 316                                   | 10       | Bias                | 2.906      | 2.88        | -0.026 |
| 317                                   | 10       | Bias                | 2.94       | 2.853       | -0.087 |
| 318                                   | 10       | Unbiased            | 2.865      | 2.84        | -0.025 |
| 319                                   | 10       | Unbiased            | 2.914      | 2.888       | -0.026 |
| 320                                   | 10       | Unbiased            | 2.904      | 2.897       | -0.007 |
| 321                                   | 10       | Unbiased            | 2.929      | 2.876       | -0.053 |
| 322                                   | 10       | Unbiased            | 2.911      | 2.883       | -0.028 |
| 323                                   | 30       | Bias                | 2.934      | 2.784       | -0.15  |
| 324                                   | 30       | Bias                | 2.913      | 2.764       | -0.149 |
| 325                                   | 30       | Bias                | 2.901      | 2.729       | -0.172 |
| 326                                   | 30       | Bias                | 2.887      | 2.72        | -0.167 |
| 327                                   | 30       | Bias                | 2.952      | 2.788       | -0.164 |
| 328                                   | 30       | Unbiased            | 2.891      | 2.844       | -0.047 |
| 329                                   | 30       | Unbiased            | 2.934      | 2.888       | -0.046 |
| 330                                   | 30       | Unbiased            | 2.885      | 2.836       | -0.049 |
| 331                                   | 30       | Unbiased            | 2.937      | 2.885       | -0.052 |
| 332                                   | 30       | Unbiased            | 2.925      | 2.877       | -0.048 |
| 333                                   | 50       | Bias                | 2.907      | 2.711       | -0.196 |
| 334                                   | 50       | Bias                | 2.889      | 2.689       | -0.2   |
| 335                                   | 50       | Bias                | 2.921      | 2.707       | -0.214 |
| 336                                   | 50       | Bias                | 2.938      | 2.722       | -0.216 |
| 337                                   | 50       | Bias                | 2.93       | 2.713       | -0.217 |
| 338                                   | 50       | Unbiased            | 2.902      | 2.84        | -0.062 |
| 339                                   | 50       | Unbiased            | 2.864      | 2.817       | -0.047 |
| 340                                   | 50       | Unbiased            | 2.887      | 2.834       | -0.053 |
| 341                                   | 50       | Unbiased            | 2.917      | 2.865       | -0.052 |
| 342                                   | 50       | Unbiased            | 2.881      | 2.829       | -0.052 |
| 343                                   | 100      | Bias                | 2.877      | 2.627       | -0.25  |
| 344                                   | 100      | Bias                | 2.908      | 2.65        | -0.258 |
| 345                                   | 100      | Bias                | 2.898      | 2.631       | -0.267 |
| 346                                   | 100      | Bias                | 2.936      | 2.658       | -0.278 |
| 347                                   | 100      | Bias                | 2.915      | 2.645       | -0.27  |
| 348                                   | 100      | Unbiased            | 2.872      | 2.799       | -0.073 |
| 349                                   | 100      | Unbiased            | 2.917      | 2.842       | -0.075 |
| 350                                   | 100      | Unbiased            | 2.871      | 2.786       | -0.085 |
| 351                                   | 100      | Unbiased            | 2.88       | 2.8         | -0.08  |
| 352                                   | 100      | Unbiased            | 2.844      | 2.77        | -0.074 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 2.882            | 2.8907           | 2.906            | 0.013317         | 2.863             | 2.8703            | 2.88              | 0.0087369         | -0.026    | -0.020333 | -0.016    | 0.0051316 |
| 3        | 2.862            | 2.9061           | 2.936            | 0.024474         | 2.851             | 2.8863            | 2.927             | 0.023819          | -0.037    | -0.0198   | -0.007    | 0.012488  |
| 10       | 2.865            | 2.9113           | 2.94             | 0.022146         | 2.811             | 2.8619            | 2.897             | 0.027562          | -0.087    | -0.0494   | -0.007    | 0.03046   |
| 30       | 2.885            | 2.9159           | 2.952            | 0.023867         | 2.72              | 2.8115            | 2.888             | 0.063197          | -0.172    | -0.1044   | -0.046    | 0.059452  |
| 50       | 2.864            | 2.9036           | 2.938            | 0.023439         | 2.689             | 2.7727            | 2.865             | 0.069284          | -0.217    | -0.1309   | -0.047    | 0.082245  |
| 100      | 2.844            | 2.8918           | 2.936            | 0.02768          | 2.627             | 2.7208            | 2.842             | 0.085188          | -0.278    | -0.171    | -0.073    | 0.098985  |

Device Test: 6.128; VOL\_RESET\_10MA



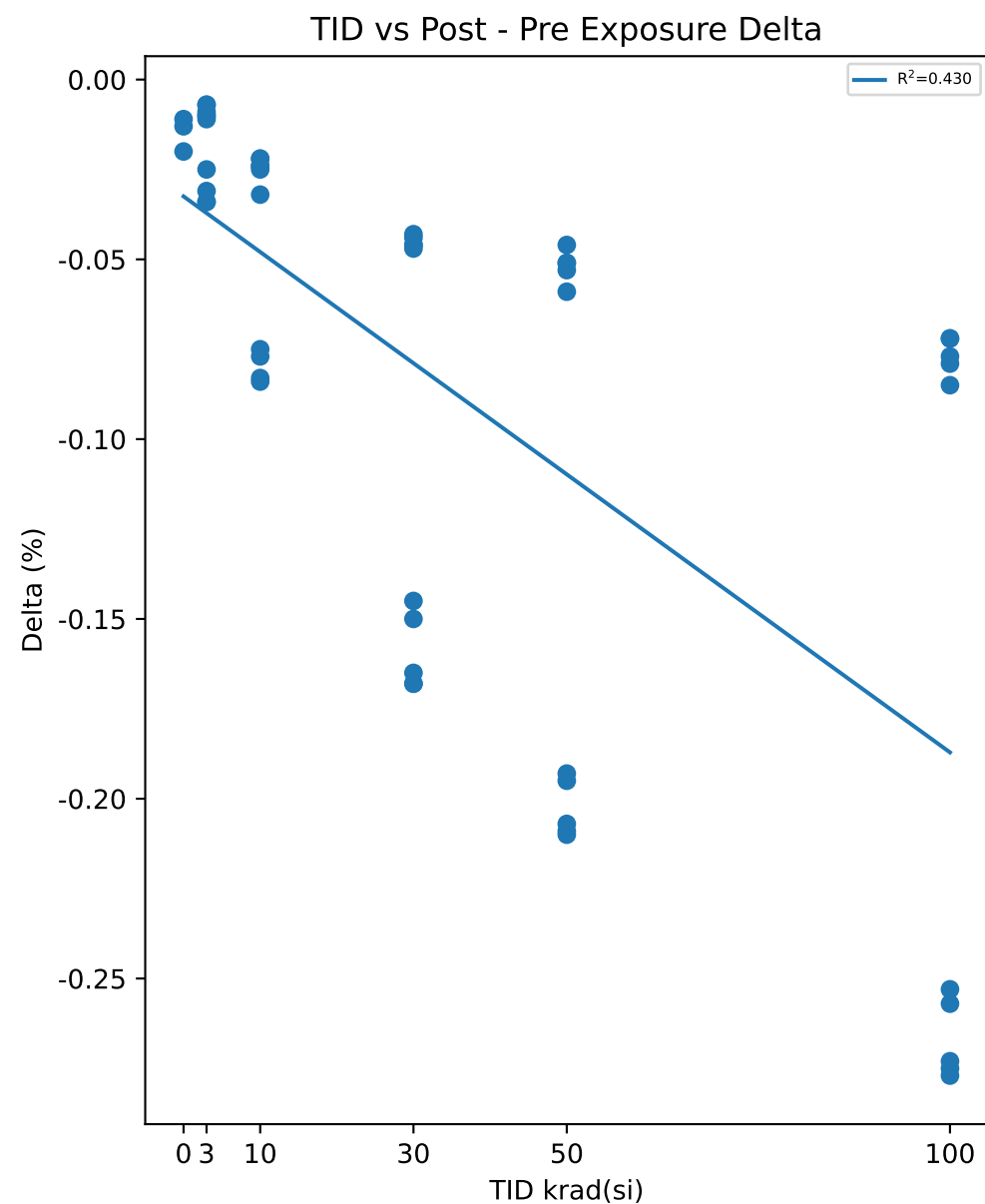
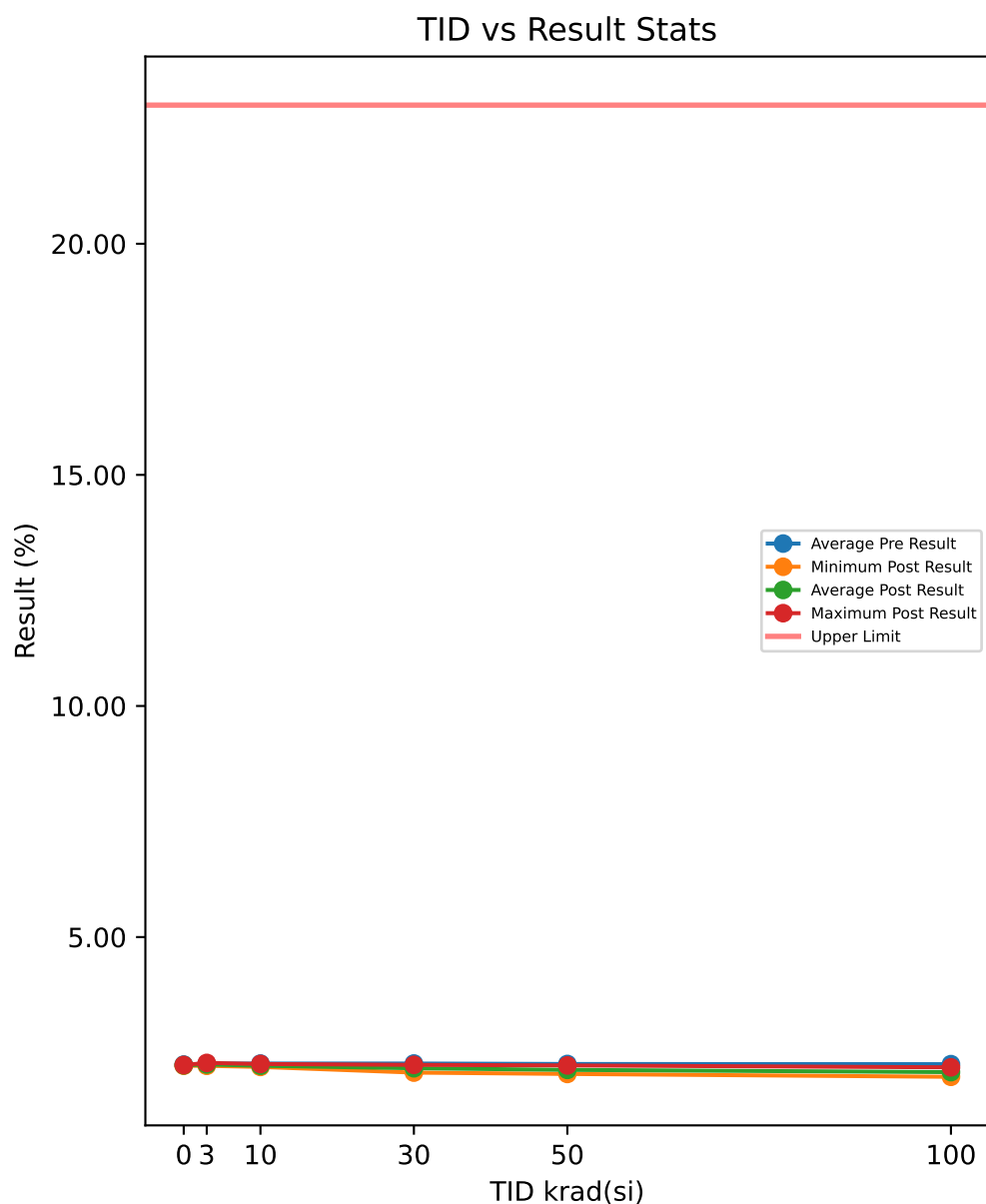
| Test Results (Upper Limit = 23.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 2.809      | 2.785       | -0.024 |
| 301                                   | 0        | Correlation         | 2.783      | 2.766       | -0.017 |
| 302                                   | 0        | Correlation         | 2.795      | 2.781       | -0.014 |
| 303                                   | 3        | Bias                | 2.812      | 2.791       | -0.021 |
| 304                                   | 3        | Bias                | 2.861      | 2.839       | -0.022 |
| 305                                   | 3        | Bias                | 2.837      | 2.816       | -0.021 |
| 306                                   | 3        | Bias                | 2.826      | 2.81        | -0.016 |
| 307                                   | 3        | Bias                | 2.834      | 2.822       | -0.012 |
| 308                                   | 3        | Unbiased            | 2.844      | 2.835       | -0.009 |
| 309                                   | 3        | Unbiased            | 2.798      | 2.788       | -0.01  |
| 310                                   | 3        | Unbiased            | 2.838      | 2.831       | -0.007 |
| 311                                   | 3        | Unbiased            | 2.78       | 2.769       | -0.011 |
| 312                                   | 3        | Unbiased            | 2.766      | 2.756       | -0.01  |
| 313                                   | 10       | Bias                | 2.849      | 2.811       | -0.038 |
| 314                                   | 10       | Bias                | 2.803      | 2.762       | -0.041 |
| 315                                   | 10       | Bias                | 2.845      | 2.803       | -0.042 |
| 316                                   | 10       | Bias                | 2.814      | 2.788       | -0.026 |
| 317                                   | 10       | Bias                | 2.866      | 2.821       | -0.045 |
| 318                                   | 10       | Unbiased            | 2.771      | 2.748       | -0.023 |
| 319                                   | 10       | Unbiased            | 2.832      | 2.807       | -0.025 |
| 320                                   | 10       | Unbiased            | 2.812      | 2.821       | 0.009  |
| 321                                   | 10       | Unbiased            | 2.852      | 2.785       | -0.067 |
| 322                                   | 10       | Unbiased            | 2.839      | 2.812       | -0.027 |
| 323                                   | 30       | Bias                | 2.85       | 2.787       | -0.063 |
| 324                                   | 30       | Bias                | 2.825      | 2.762       | -0.063 |
| 325                                   | 30       | Bias                | 2.811      | 2.741       | -0.07  |
| 326                                   | 30       | Bias                | 2.788      | 2.719       | -0.069 |
| 327                                   | 30       | Bias                | 2.875      | 2.806       | -0.069 |
| 328                                   | 30       | Unbiased            | 2.795      | 2.749       | -0.046 |
| 329                                   | 30       | Unbiased            | 2.855      | 2.809       | -0.046 |
| 330                                   | 30       | Unbiased            | 2.79       | 2.742       | -0.048 |
| 331                                   | 30       | Unbiased            | 2.844      | 2.793       | -0.051 |
| 332                                   | 30       | Unbiased            | 2.835      | 2.787       | -0.048 |
| 333                                   | 50       | Bias                | 2.816      | 2.743       | -0.073 |
| 334                                   | 50       | Bias                | 2.801      | 2.727       | -0.074 |
| 335                                   | 50       | Bias                | 2.844      | 2.763       | -0.081 |
| 336                                   | 50       | Bias                | 2.85       | 2.771       | -0.079 |
| 337                                   | 50       | Bias                | 2.838      | 2.757       | -0.081 |
| 338                                   | 50       | Unbiased            | 2.811      | 2.75        | -0.061 |
| 339                                   | 50       | Unbiased            | 2.769      | 2.723       | -0.046 |
| 340                                   | 50       | Unbiased            | 2.811      | 2.758       | -0.053 |
| 341                                   | 50       | Unbiased            | 2.86       | 2.809       | -0.051 |
| 342                                   | 50       | Unbiased            | 2.787      | 2.737       | -0.05  |
| 343                                   | 100      | Bias                | 2.778      | 2.702       | -0.076 |
| 344                                   | 100      | Bias                | 2.824      | 2.744       | -0.08  |
| 345                                   | 100      | Bias                | 2.826      | 2.744       | -0.082 |
| 346                                   | 100      | Bias                | 2.829      | 2.75        | -0.079 |
| 347                                   | 100      | Bias                | 2.803      | 2.729       | -0.074 |
| 348                                   | 100      | Unbiased            | 2.789      | 2.716       | -0.073 |
| 349                                   | 100      | Unbiased            | 2.843      | 2.768       | -0.075 |
| 350                                   | 100      | Unbiased            | 2.782      | 2.697       | -0.085 |
| 351                                   | 100      | Unbiased            | 2.791      | 2.712       | -0.079 |
| 352                                   | 100      | Unbiased            | 2.754      | 2.679       | -0.075 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 2.783            | 2.7957           | 2.809            | 0.013013         | 2.766             | 2.7773            | 2.785             | 0.010017          | -0.024    | -0.018333 | -0.014    | 0.0051316 |
| 3        | 2.766            | 2.8196           | 2.861            | 0.030119         | 2.756             | 2.8057            | 2.839             | 0.028566          | -0.022    | -0.0139   | -0.007    | 0.0056263 |
| 10       | 2.771            | 2.8283           | 2.866            | 0.028308         | 2.748             | 2.7958            | 2.821             | 0.024823          | -0.067    | -0.0325   | 0.009     | 0.019665  |
| 30       | 2.788            | 2.8268           | 2.875            | 0.030081         | 2.719             | 2.7695            | 2.809             | 0.031006          | -0.07     | -0.0573   | -0.046    | 0.010371  |
| 50       | 2.769            | 2.8187           | 2.86             | 0.029082         | 2.723             | 2.7538            | 2.809             | 0.024801          | -0.081    | -0.0649   | -0.046    | 0.014122  |
| 100      | 2.754            | 2.8019           | 2.843            | 0.02797          | 2.679             | 2.7241            | 2.768             | 0.027654          | -0.085    | -0.0778   | -0.073    | 0.0038528 |



Device Test: 6.129; VOL\_WDO\_10MA

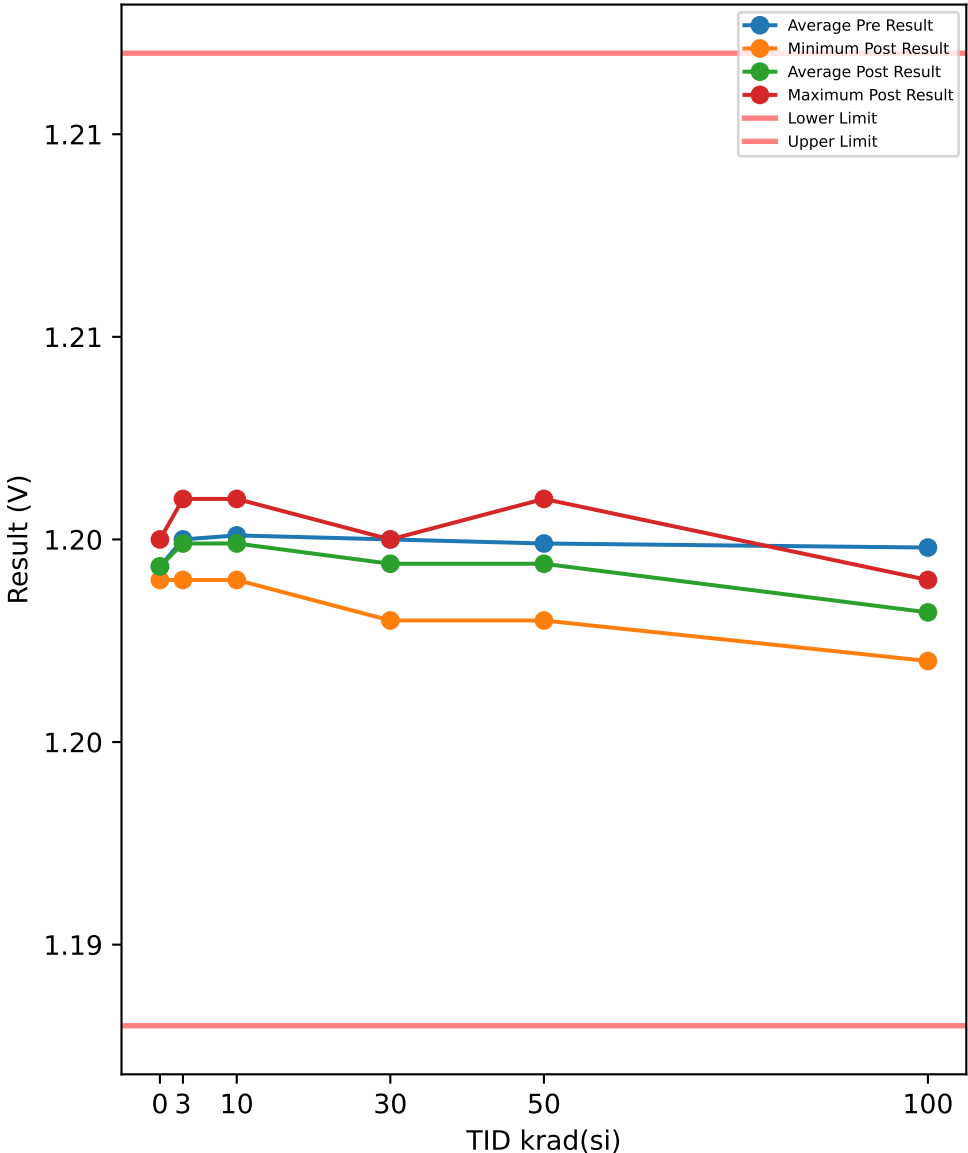


| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 2.252      | 2.232       | -0.02  |
| 301      | 0        | Correlation         | 2.229      | 2.216       | -0.013 |
| 302      | 0        | Correlation         | 2.243      | 2.232       | -0.011 |
| 303      | 3        | Bias                | 2.274      | 2.243       | -0.031 |
| 304      | 3        | Bias                | 2.286      | 2.252       | -0.034 |
| 305      | 3        | Bias                | 2.265      | 2.231       | -0.034 |
| 306      | 3        | Bias                | 2.24       | 2.215       | -0.025 |
| 307      | 3        | Bias                | 2.279      | 2.269       | -0.01  |
| 308      | 3        | Unbiased            | 2.284      | 2.277       | -0.007 |
| 309      | 3        | Unbiased            | 2.253      | 2.242       | -0.011 |
| 310      | 3        | Unbiased            | 2.273      | 2.266       | -0.007 |
| 311      | 3        | Unbiased            | 2.229      | 2.22        | -0.009 |
| 312      | 3        | Unbiased            | 2.234      | 2.224       | -0.01  |
| 313      | 10       | Bias                | 2.267      | 2.192       | -0.075 |
| 314      | 10       | Bias                | 2.278      | 2.201       | -0.077 |
| 315      | 10       | Bias                | 2.278      | 2.194       | -0.084 |
| 316      | 10       | Bias                | 2.244      | 2.22        | -0.024 |
| 317      | 10       | Bias                | 2.274      | 2.191       | -0.083 |
| 318      | 10       | Unbiased            | 2.249      | 2.227       | -0.022 |
| 319      | 10       | Unbiased            | 2.278      | 2.254       | -0.024 |
| 320      | 10       | Unbiased            | 2.241      | 2.219       | -0.022 |
| 321      | 10       | Unbiased            | 2.248      | 2.216       | -0.032 |
| 322      | 10       | Unbiased            | 2.274      | 2.249       | -0.025 |
| 323      | 30       | Bias                | 2.304      | 2.154       | -0.15  |
| 324      | 30       | Bias                | 2.255      | 2.11        | -0.145 |
| 325      | 30       | Bias                | 2.271      | 2.103       | -0.168 |
| 326      | 30       | Bias                | 2.233      | 2.068       | -0.165 |
| 327      | 30       | Bias                | 2.303      | 2.135       | -0.168 |
| 328      | 30       | Unbiased            | 2.243      | 2.199       | -0.044 |
| 329      | 30       | Unbiased            | 2.266      | 2.223       | -0.043 |
| 330      | 30       | Unbiased            | 2.239      | 2.193       | -0.046 |
| 331      | 30       | Unbiased            | 2.248      | 2.201       | -0.047 |
| 332      | 30       | Unbiased            | 2.281      | 2.235       | -0.046 |
| 333      | 50       | Bias                | 2.232      | 2.039       | -0.193 |
| 334      | 50       | Bias                | 2.25       | 2.055       | -0.195 |
| 335      | 50       | Bias                | 2.268      | 2.059       | -0.209 |
| 336      | 50       | Bias                | 2.261      | 2.054       | -0.207 |
| 337      | 50       | Bias                | 2.264      | 2.054       | -0.21  |
| 338      | 50       | Unbiased            | 2.25       | 2.191       | -0.059 |
| 339      | 50       | Unbiased            | 2.224      | 2.178       | -0.046 |
| 340      | 50       | Unbiased            | 2.269      | 2.216       | -0.053 |
| 341      | 50       | Unbiased            | 2.274      | 2.223       | -0.051 |
| 342      | 50       | Unbiased            | 2.25       | 2.199       | -0.051 |
| 343      | 100      | Bias                | 2.23       | 1.977       | -0.253 |
| 344      | 100      | Bias                | 2.25       | 1.993       | -0.257 |
| 345      | 100      | Bias                | 2.272      | 1.999       | -0.273 |
| 346      | 100      | Bias                | 2.282      | 2.005       | -0.277 |
| 347      | 100      | Bias                | 2.258      | 1.983       | -0.275 |
| 348      | 100      | Unbiased            | 2.238      | 2.166       | -0.072 |
| 349      | 100      | Unbiased            | 2.254      | 2.182       | -0.072 |
| 350      | 100      | Unbiased            | 2.246      | 2.161       | -0.085 |
| 351      | 100      | Unbiased            | 2.25       | 2.171       | -0.079 |
| 352      | 100      | Unbiased            | 2.225      | 2.148       | -0.077 |

| krad(s) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0       | 2.229            | 2.2413           | 2.252            | 0.01159          | 2.216             | 2.2267            | 2.232             | 0.0092376         | -0.02     | -0.014667 | -0.011    | 0.0047258 |
| 3       | 2.229            | 2.2617           | 2.286            | 0.02124          | 2.215             | 2.2439            | 2.277             | 0.021738          | -0.034    | -0.0178   | -0.007    | 0.011689  |
| 10      | 2.241            | 2.2631           | 2.278            | 0.015631         | 2.191             | 2.2163            | 2.254             | 0.022579          | -0.084    | -0.0468   | -0.022    | 0.028608  |
| 30      | 2.233            | 2.2643           | 2.304            | 0.025443         | 2.068             | 2.1621            | 2.235             | 0.056485          | -0.168    | -0.1022   | -0.043    | 0.060531  |
| 50      | 2.224            | 2.2542           | 2.274            | 0.016335         | 2.039             | 2.1268            | 2.223             | 0.079741          | -0.21     | -0.1274   | -0.046    | 0.079725  |
| 100     | 2.225            | 2.2505           | 2.282            | 0.017545         | 1.977             | 2.0785            | 2.182             | 0.092506          | -0.277    | -0.172    | -0.072    | 0.10048   |

Device Test: 6.13 ; REFCAP

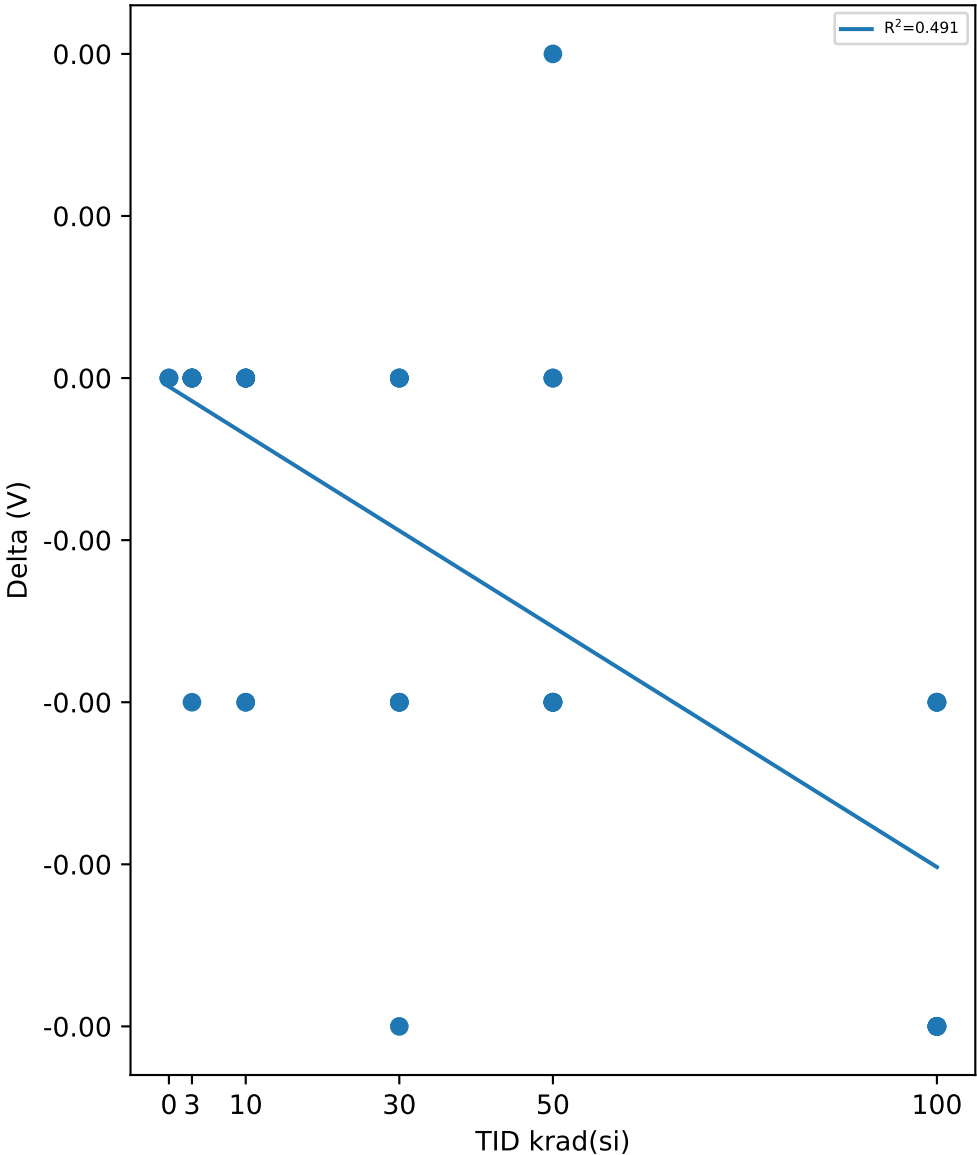
TID vs Result Stats



Test Results (Lower Limit = 1.188, Upper Limit = 1.212 (V))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 1.199      | 1.199       | 0      |
| 301      | 0        | Correlation         | 1.2        | 1.2         | 0      |
| 302      | 0        | Correlation         | 1.199      | 1.199       | 0      |
| 303      | 3        | Bias                | 1.2        | 1.2         | 0      |
| 304      | 3        | Bias                | 1.199      | 1.199       | 0      |
| 305      | 3        | Bias                | 1.201      | 1.201       | 0      |
| 306      | 3        | Bias                | 1.2        | 1.2         | 0      |
| 307      | 3        | Bias                | 1.2        | 1.2         | 0      |
| 308      | 3        | Unbiased            | 1.201      | 1.201       | 0      |
| 309      | 3        | Unbiased            | 1.199      | 1.199       | 0      |
| 310      | 3        | Unbiased            | 1.2        | 1.2         | 0      |
| 311      | 3        | Unbiased            | 1.2        | 1.199       | -0.001 |
| 312      | 3        | Unbiased            | 1.2        | 1.2         | 0      |
| 313      | 10       | Bias                | 1.2        | 1.2         | 0      |
| 314      | 10       | Bias                | 1.2        | 1.2         | 0      |
| 315      | 10       | Bias                | 1.2        | 1.2         | 0      |
| 316      | 10       | Bias                | 1.2        | 1.2         | 0      |
| 317      | 10       | Bias                | 1.2        | 1.199       | -0.001 |
| 318      | 10       | Unbiased            | 1.201      | 1.201       | 0      |
| 319      | 10       | Unbiased            | 1.2        | 1.2         | 0      |
| 320      | 10       | Unbiased            | 1.2        | 1.199       | -0.001 |
| 321      | 10       | Unbiased            | 1.2        | 1.2         | 0      |
| 322      | 10       | Unbiased            | 1.2        | 1.2         | 0      |
| 323      | 30       | Bias                | 1.201      | 1.2         | -0.001 |
| 324      | 30       | Bias                | 1.2        | 1.2         | 0      |
| 325      | 30       | Bias                | 1.201      | 1.199       | -0.002 |
| 326      | 30       | Bias                | 1.199      | 1.199       | 0      |
| 327      | 30       | Bias                | 1.201      | 1.2         | -0.001 |
| 328      | 30       | Unbiased            | 1.2        | 1.2         | 0      |
| 329      | 30       | Unbiased            | 1.199      | 1.199       | 0      |
| 330      | 30       | Unbiased            | 1.201      | 1.2         | -0.001 |
| 331      | 30       | Unbiased            | 1.199      | 1.199       | 0      |
| 332      | 30       | Unbiased            | 1.199      | 1.198       | -0.001 |
| 333      | 50       | Bias                | 1.2        | 1.199       | -0.001 |
| 334      | 50       | Bias                | 1.199      | 1.199       | 0      |
| 335      | 50       | Bias                | 1.2        | 1.199       | -0.001 |
| 336      | 50       | Bias                | 1.2        | 1.199       | -0.001 |
| 337      | 50       | Bias                | 1.201      | 1.2         | -0.001 |
| 338      | 50       | Unbiased            | 1.201      | 1.2         | -0.001 |
| 339      | 50       | Unbiased            | 1.2        | 1.2         | 0      |
| 340      | 50       | Unbiased            | 1.199      | 1.199       | 0      |
| 341      | 50       | Unbiased            | 1.199      | 1.198       | -0.001 |
| 342      | 50       | Unbiased            | 1.2        | 1.201       | 0.001  |
| 343      | 100      | Bias                | 1.2        | 1.198       | -0.002 |
| 344      | 100      | Bias                | 1.2        | 1.198       | -0.002 |
| 345      | 100      | Bias                | 1.2        | 1.198       | -0.002 |
| 346      | 100      | Bias                | 1.199      | 1.197       | -0.002 |
| 347      | 100      | Bias                | 1.2        | 1.199       | -0.001 |
| 348      | 100      | Unbiased            | 1.199      | 1.198       | -0.001 |
| 349      | 100      | Unbiased            | 1.199      | 1.198       | -0.001 |
| 350      | 100      | Unbiased            | 1.201      | 1.199       | -0.002 |
| 351      | 100      | Unbiased            | 1.2        | 1.198       | -0.002 |
| 352      | 100      | Unbiased            | 1.2        | 1.199       | -0.001 |

TID vs Post - Pre Exposure Delta

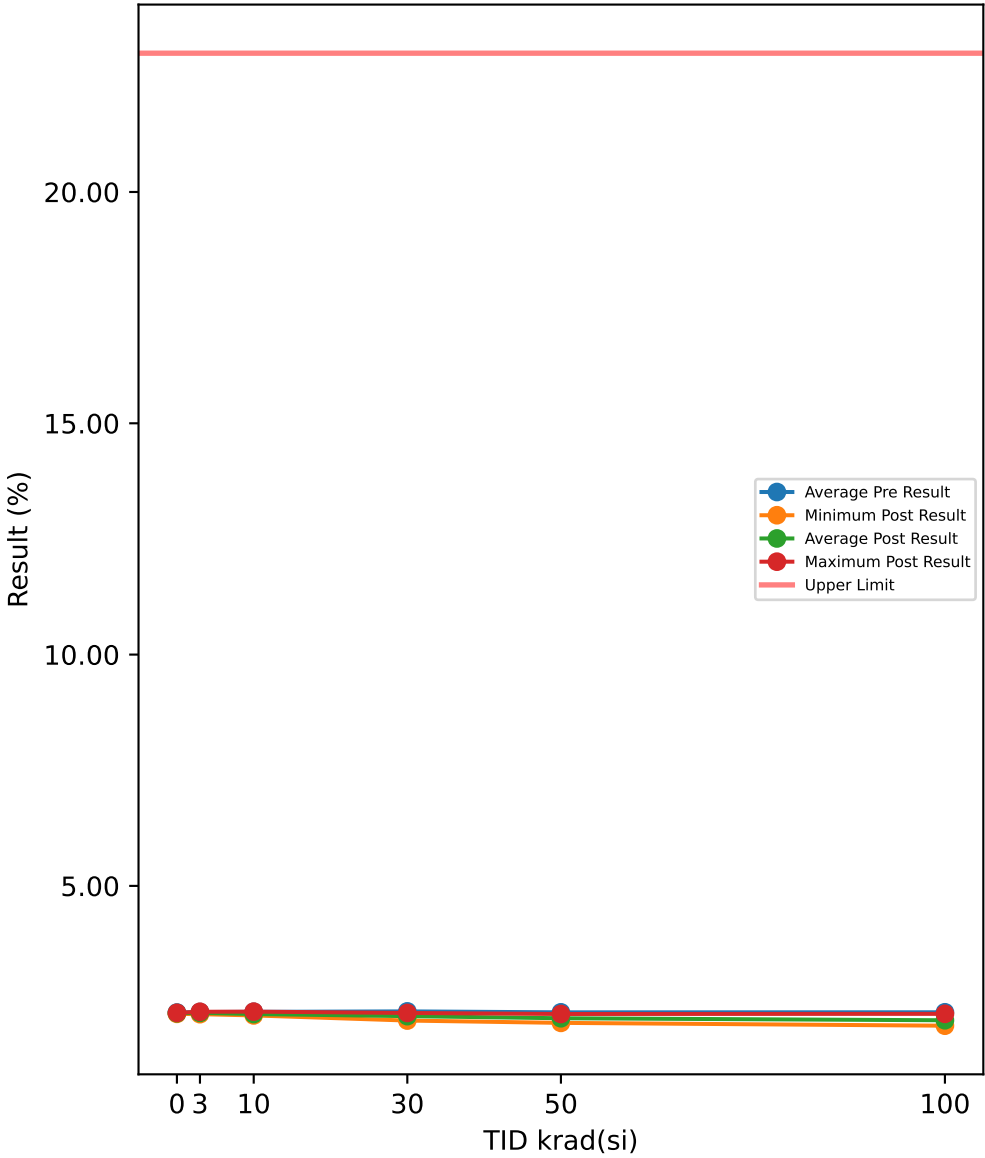


Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| 0        | 1.199            | 1.1993           | 1.2              | 0.00057735       | 1.199             | 1.1993            | 1.2               | 0.00057735        | 0         | 0         | 0         | 0          |
| 3        | 1.199            | 1.2              | 1.201            | 0.00066667       | 1.199             | 1.1999            | 1.201             | 0.00073786        | -0.001    | -0.0001   | 0         | 0.00031623 |
| 10       | 1.2              | 1.2001           | 1.201            | 0.00031623       | 1.199             | 1.1999            | 1.201             | 0.00056765        | -0.001    | -0.0002   | 0         | 0.00042164 |
| 30       | 1.199            | 1.2              | 1.201            | 0.00094281       | 1.198             | 1.1994            | 1.2               | 0.00069921        | -0.002    | -0.0006   | 0         | 0.00069921 |
| 50       | 1.199            | 1.1999           | 1.201            | 0.00073786       | 1.198             | 1.1994            | 1.201             | 0.00084327        | -0.001    | -0.0005   | 0.001     | 0.00070711 |
| 100      | 1.199            | 1.1998           | 1.201            | 0.00063246       | 1.197             | 1.1982            | 1.199             | 0.00063246        | -0.002    | -0.0016   | -0.001    | 0.0005164  |

Device Test: 6.130; VOL\_PWRGD\_10MA

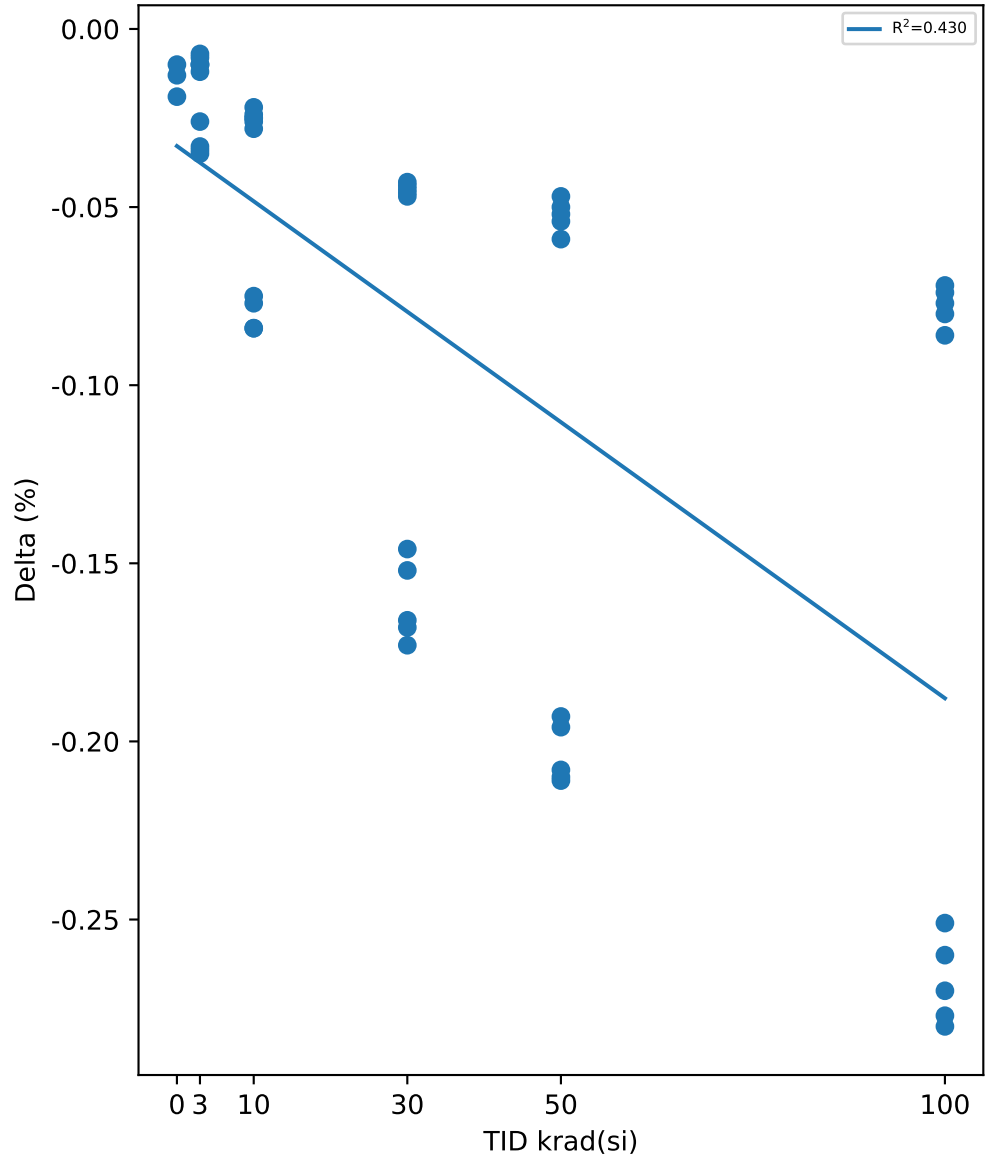
TID vs Result Stats



Test Results (Upper Limit = 23.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 2.275      | 2.256       | -0.019 |
| 301      | 0        | Correlation         | 2.247      | 2.234       | -0.013 |
| 302      | 0        | Correlation         | 2.266      | 2.256       | -0.01  |
| 303      | 3        | Bias                | 2.284      | 2.251       | -0.033 |
| 304      | 3        | Bias                | 2.29       | 2.256       | -0.034 |
| 305      | 3        | Bias                | 2.287      | 2.252       | -0.035 |
| 306      | 3        | Bias                | 2.273      | 2.247       | -0.026 |
| 307      | 3        | Bias                | 2.29       | 2.278       | -0.012 |
| 308      | 3        | Unbiased            | 2.287      | 2.279       | -0.008 |
| 309      | 3        | Unbiased            | 2.264      | 2.254       | -0.01  |
| 310      | 3        | Unbiased            | 2.275      | 2.268       | -0.007 |
| 311      | 3        | Unbiased            | 2.244      | 2.234       | -0.01  |
| 312      | 3        | Unbiased            | 2.237      | 2.227       | -0.01  |
| 313      | 10       | Bias                | 2.291      | 2.216       | -0.075 |
| 314      | 10       | Bias                | 2.277      | 2.2         | -0.077 |
| 315      | 10       | Bias                | 2.286      | 2.202       | -0.084 |
| 316      | 10       | Bias                | 2.261      | 2.237       | -0.024 |
| 317      | 10       | Bias                | 2.291      | 2.207       | -0.084 |
| 318      | 10       | Unbiased            | 2.239      | 2.217       | -0.022 |
| 319      | 10       | Unbiased            | 2.307      | 2.282       | -0.025 |
| 320      | 10       | Unbiased            | 2.266      | 2.238       | -0.028 |
| 321      | 10       | Unbiased            | 2.267      | 2.241       | -0.026 |
| 322      | 10       | Unbiased            | 2.285      | 2.26        | -0.025 |
| 323      | 30       | Bias                | 2.327      | 2.175       | -0.152 |
| 324      | 30       | Bias                | 2.281      | 2.135       | -0.146 |
| 325      | 30       | Bias                | 2.274      | 2.106       | -0.168 |
| 326      | 30       | Bias                | 2.255      | 2.089       | -0.166 |
| 327      | 30       | Bias                | 2.34       | 2.167       | -0.173 |
| 328      | 30       | Unbiased            | 2.267      | 2.223       | -0.044 |
| 329      | 30       | Unbiased            | 2.291      | 2.248       | -0.043 |
| 330      | 30       | Unbiased            | 2.264      | 2.218       | -0.046 |
| 331      | 30       | Unbiased            | 2.277      | 2.23        | -0.047 |
| 332      | 30       | Unbiased            | 2.298      | 2.253       | -0.045 |
| 333      | 50       | Bias                | 2.232      | 2.039       | -0.193 |
| 334      | 50       | Bias                | 2.266      | 2.07        | -0.196 |
| 335      | 50       | Bias                | 2.277      | 2.067       | -0.21  |
| 336      | 50       | Bias                | 2.284      | 2.076       | -0.208 |
| 337      | 50       | Bias                | 2.278      | 2.067       | -0.211 |
| 338      | 50       | Unbiased            | 2.272      | 2.213       | -0.059 |
| 339      | 50       | Unbiased            | 2.253      | 2.206       | -0.047 |
| 340      | 50       | Unbiased            | 2.273      | 2.219       | -0.054 |
| 341      | 50       | Unbiased            | 2.283      | 2.231       | -0.052 |
| 342      | 50       | Unbiased            | 2.25       | 2.2         | -0.05  |
| 343      | 100      | Bias                | 2.229      | 1.978       | -0.251 |
| 344      | 100      | Bias                | 2.269      | 2.009       | -0.26  |
| 345      | 100      | Bias                | 2.272      | 2.002       | -0.27  |
| 346      | 100      | Bias                | 2.302      | 2.022       | -0.28  |
| 347      | 100      | Bias                | 2.278      | 2.001       | -0.277 |
| 348      | 100      | Unbiased            | 2.247      | 2.175       | -0.072 |
| 349      | 100      | Unbiased            | 2.308      | 2.234       | -0.074 |
| 350      | 100      | Unbiased            | 2.273      | 2.187       | -0.086 |
| 351      | 100      | Unbiased            | 2.275      | 2.195       | -0.08  |
| 352      | 100      | Unbiased            | 2.226      | 2.149       | -0.077 |

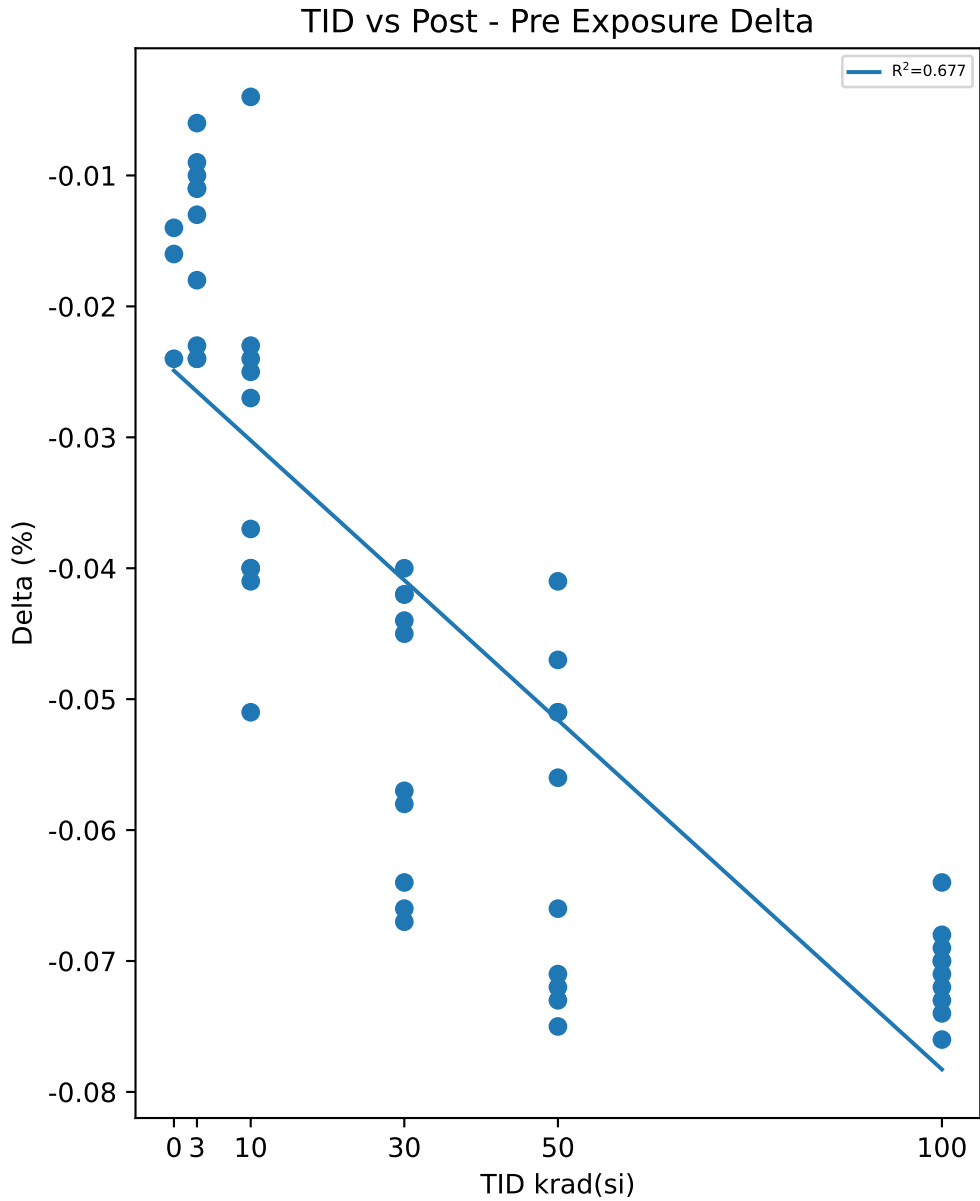
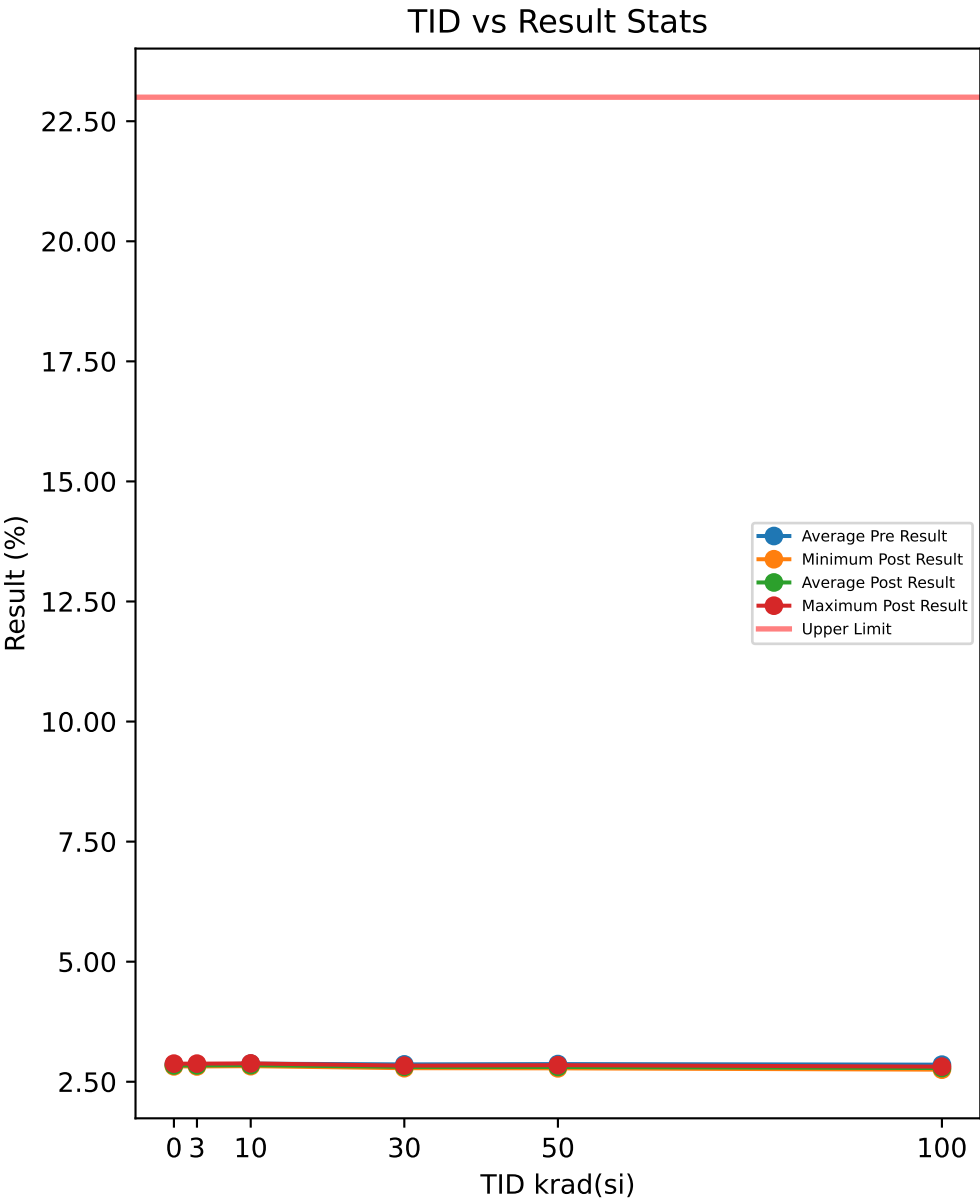
TID vs Post - Pre Exposure Delta



Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 2.247            | 2.2627           | 2.275            | 0.014295         | 2.234             | 2.2487            | 2.256             | 0.012702          | -0.019    | -0.014    | -0.01     | 0.0045826 |
| 3        | 2.237            | 2.2731           | 2.29             | 0.019186         | 2.227             | 2.2546            | 2.279             | 0.016959          | -0.035    | -0.0185   | -0.007    | 0.011928  |
| 10       | 2.239            | 2.277            | 2.307            | 0.019316         | 2.2               | 2.23              | 2.282             | 0.0267            | -0.084    | -0.047    | -0.022    | 0.02857   |
| 30       | 2.255            | 2.2874           | 2.34             | 0.027492         | 2.089             | 2.1844            | 2.253             | 0.059187          | -0.173    | -0.103    | -0.043    | 0.061621  |
| 50       | 2.232            | 2.2668           | 2.284            | 0.016792         | 2.039             | 2.1388            | 2.231             | 0.080033          | -0.211    | -0.128    | -0.047    | 0.079944  |
| 100      | 2.226            | 2.2679           | 2.308            | 0.027229         | 1.978             | 2.0952            | 2.234             | 0.10055           | -0.28     | -0.1727   | -0.072    | 0.10042   |

Device Test: 6.131; VOL\_RESET\_10MA



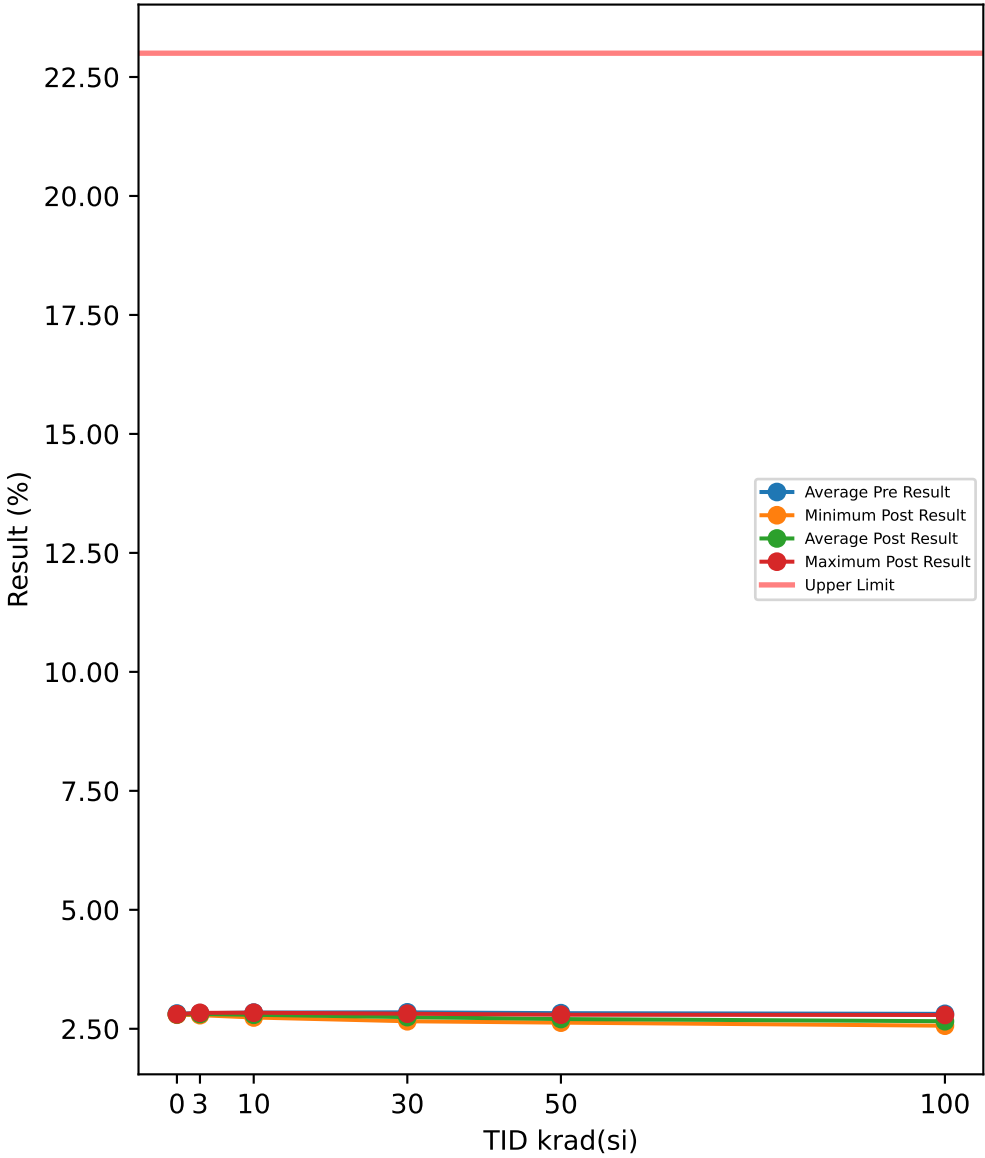
| Test Results (Upper Limit = 23.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 2.844      | 2.82        | -0.024 |
| 301                                   | 0        | Correlation         | 2.838      | 2.822       | -0.016 |
| 302                                   | 0        | Correlation         | 2.891      | 2.877       | -0.014 |
| 303                                   | 3        | Bias                | 2.849      | 2.825       | -0.024 |
| 304                                   | 3        | Bias                | 2.901      | 2.877       | -0.024 |
| 305                                   | 3        | Bias                | 2.857      | 2.834       | -0.023 |
| 306                                   | 3        | Bias                | 2.861      | 2.843       | -0.018 |
| 307                                   | 3        | Bias                | 2.848      | 2.835       | -0.013 |
| 308                                   | 3        | Unbiased            | 2.848      | 2.838       | -0.01  |
| 309                                   | 3        | Unbiased            | 2.878      | 2.867       | -0.011 |
| 310                                   | 3        | Unbiased            | 2.845      | 2.839       | -0.006 |
| 311                                   | 3        | Unbiased            | 2.827      | 2.818       | -0.009 |
| 312                                   | 3        | Unbiased            | 2.832      | 2.821       | -0.011 |
| 313                                   | 10       | Bias                | 2.874      | 2.837       | -0.037 |
| 314                                   | 10       | Bias                | 2.888      | 2.848       | -0.04  |
| 315                                   | 10       | Bias                | 2.867      | 2.827       | -0.04  |
| 316                                   | 10       | Bias                | 2.875      | 2.85        | -0.025 |
| 317                                   | 10       | Bias                | 2.871      | 2.83        | -0.041 |
| 318                                   | 10       | Unbiased            | 2.862      | 2.839       | -0.023 |
| 319                                   | 10       | Unbiased            | 2.848      | 2.824       | -0.024 |
| 320                                   | 10       | Unbiased            | 2.898      | 2.847       | -0.051 |
| 321                                   | 10       | Unbiased            | 2.876      | 2.872       | -0.004 |
| 322                                   | 10       | Unbiased            | 2.909      | 2.882       | -0.027 |
| 323                                   | 30       | Bias                | 2.858      | 2.8         | -0.058 |
| 324                                   | 30       | Bias                | 2.852      | 2.795       | -0.057 |
| 325                                   | 30       | Bias                | 2.891      | 2.824       | -0.067 |
| 326                                   | 30       | Bias                | 2.848      | 2.782       | -0.066 |
| 327                                   | 30       | Bias                | 2.877      | 2.813       | -0.064 |
| 328                                   | 30       | Unbiased            | 2.836      | 2.796       | -0.04  |
| 329                                   | 30       | Unbiased            | 2.877      | 2.835       | -0.042 |
| 330                                   | 30       | Unbiased            | 2.851      | 2.807       | -0.044 |
| 331                                   | 30       | Unbiased            | 2.867      | 2.822       | -0.045 |
| 332                                   | 30       | Unbiased            | 2.857      | 2.815       | -0.042 |
| 333                                   | 50       | Bias                | 2.854      | 2.788       | -0.066 |
| 334                                   | 50       | Bias                | 2.883      | 2.812       | -0.071 |
| 335                                   | 50       | Bias                | 2.856      | 2.784       | -0.072 |
| 336                                   | 50       | Bias                | 2.87       | 2.797       | -0.073 |
| 337                                   | 50       | Bias                | 2.908      | 2.833       | -0.075 |
| 338                                   | 50       | Unbiased            | 2.857      | 2.801       | -0.056 |
| 339                                   | 50       | Unbiased            | 2.82       | 2.779       | -0.041 |
| 340                                   | 50       | Unbiased            | 2.863      | 2.812       | -0.051 |
| 341                                   | 50       | Unbiased            | 2.873      | 2.826       | -0.047 |
| 342                                   | 50       | Unbiased            | 2.896      | 2.845       | -0.051 |
| 343                                   | 100      | Bias                | 2.844      | 2.774       | -0.07  |
| 344                                   | 100      | Bias                | 2.861      | 2.788       | -0.073 |
| 345                                   | 100      | Bias                | 2.851      | 2.777       | -0.074 |
| 346                                   | 100      | Bias                | 2.878      | 2.806       | -0.072 |
| 347                                   | 100      | Bias                | 2.864      | 2.795       | -0.069 |
| 348                                   | 100      | Unbiased            | 2.885      | 2.815       | -0.07  |
| 349                                   | 100      | Unbiased            | 2.86       | 2.796       | -0.064 |
| 350                                   | 100      | Unbiased            | 2.827      | 2.751       | -0.076 |
| 351                                   | 100      | Unbiased            | 2.86       | 2.789       | -0.071 |
| 352                                   | 100      | Unbiased            | 2.828      | 2.76        | -0.068 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 2.838            | 2.8577           | 2.891            | 0.029023         | 2.82              | 2.8397            | 2.877             | 0.032347          | -0.024    | -0.018    | -0.014    | 0.0052915 |
| 3        | 2.827            | 2.8546           | 2.901            | 0.021681         | 2.818             | 2.8397            | 2.877             | 0.01898           | -0.024    | -0.0149   | -0.006    | 0.0067733 |
| 10       | 2.848            | 2.8768           | 2.909            | 0.017643         | 2.824             | 2.8456            | 2.882             | 0.018922          | -0.051    | -0.0312   | -0.004    | 0.013298  |
| 30       | 2.836            | 2.8614           | 2.891            | 0.016487         | 2.782             | 2.8089            | 2.835             | 0.015989          | -0.067    | -0.0525   | -0.04     | 0.010957  |
| 50       | 2.82             | 2.868            | 2.908            | 0.024558         | 2.779             | 2.8077            | 2.845             | 0.02195           | -0.075    | -0.0603   | -0.041    | 0.012482  |
| 100      | 2.827            | 2.8558           | 2.885            | 0.018972         | 2.751             | 2.7851            | 2.815             | 0.019869          | -0.076    | -0.0707   | -0.064    | 0.0033682 |

Device Test: 6.132; VOL\_RESET\_10MA

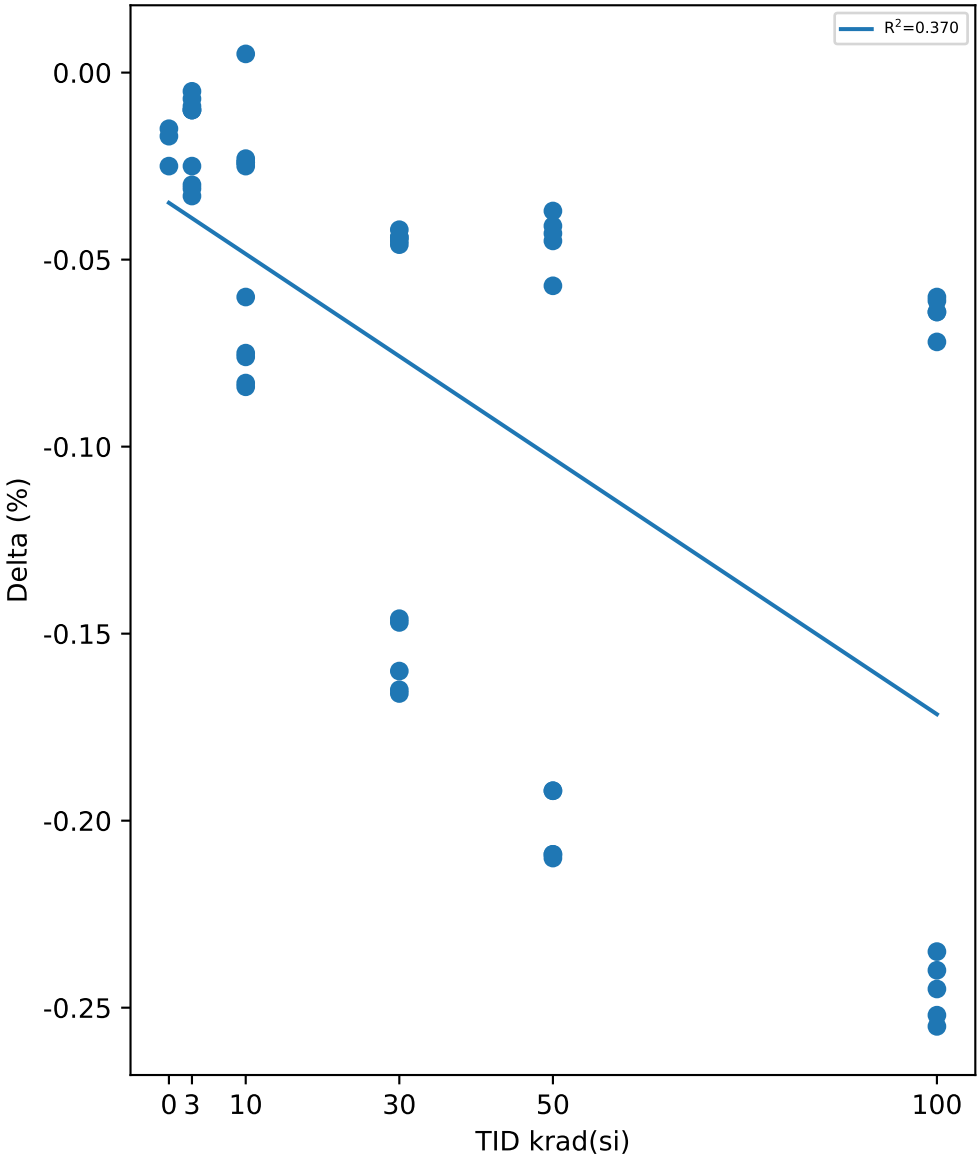
TID vs Result Stats



Test Results (Upper Limit = 23.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 2.829      | 2.804       | -0.025 |
| 301      | 0        | Correlation         | 2.812      | 2.795       | -0.017 |
| 302      | 0        | Correlation         | 2.821      | 2.806       | -0.015 |
| 303      | 3        | Bias                | 2.832      | 2.802       | -0.03  |
| 304      | 3        | Bias                | 2.833      | 2.802       | -0.031 |
| 305      | 3        | Bias                | 2.852      | 2.819       | -0.033 |
| 306      | 3        | Bias                | 2.833      | 2.808       | -0.025 |
| 307      | 3        | Bias                | 2.83       | 2.821       | -0.009 |
| 308      | 3        | Unbiased            | 2.837      | 2.832       | -0.005 |
| 309      | 3        | Unbiased            | 2.805      | 2.795       | -0.01  |
| 310      | 3        | Unbiased            | 2.842      | 2.835       | -0.007 |
| 311      | 3        | Unbiased            | 2.813      | 2.803       | -0.01  |
| 312      | 3        | Unbiased            | 2.796      | 2.786       | -0.01  |
| 313      | 10       | Bias                | 2.856      | 2.781       | -0.075 |
| 314      | 10       | Bias                | 2.813      | 2.737       | -0.076 |
| 315      | 10       | Bias                | 2.858      | 2.775       | -0.083 |
| 316      | 10       | Bias                | 2.835      | 2.811       | -0.024 |
| 317      | 10       | Bias                | 2.866      | 2.782       | -0.084 |
| 318      | 10       | Unbiased            | 2.799      | 2.776       | -0.023 |
| 319      | 10       | Unbiased            | 2.85       | 2.826       | -0.024 |
| 320      | 10       | Unbiased            | 2.833      | 2.838       | 0.005  |
| 321      | 10       | Unbiased            | 2.868      | 2.808       | -0.06  |
| 322      | 10       | Unbiased            | 2.831      | 2.806       | -0.025 |
| 323      | 30       | Bias                | 2.854      | 2.707       | -0.147 |
| 324      | 30       | Bias                | 2.851      | 2.705       | -0.146 |
| 325      | 30       | Bias                | 2.824      | 2.658       | -0.166 |
| 326      | 30       | Bias                | 2.833      | 2.668       | -0.165 |
| 327      | 30       | Bias                | 2.875      | 2.715       | -0.16  |
| 328      | 30       | Unbiased            | 2.833      | 2.789       | -0.044 |
| 329      | 30       | Unbiased            | 2.859      | 2.817       | -0.042 |
| 330      | 30       | Unbiased            | 2.824      | 2.779       | -0.045 |
| 331      | 30       | Unbiased            | 2.843      | 2.797       | -0.046 |
| 332      | 30       | Unbiased            | 2.861      | 2.817       | -0.044 |
| 333      | 50       | Bias                | 2.848      | 2.656       | -0.192 |
| 334      | 50       | Bias                | 2.821      | 2.629       | -0.192 |
| 335      | 50       | Bias                | 2.842      | 2.633       | -0.209 |
| 336      | 50       | Bias                | 2.847      | 2.637       | -0.21  |
| 337      | 50       | Bias                | 2.854      | 2.645       | -0.209 |
| 338      | 50       | Unbiased            | 2.833      | 2.776       | -0.057 |
| 339      | 50       | Unbiased            | 2.788      | 2.751       | -0.037 |
| 340      | 50       | Unbiased            | 2.81       | 2.765       | -0.045 |
| 341      | 50       | Unbiased            | 2.836      | 2.795       | -0.041 |
| 342      | 50       | Unbiased            | 2.804      | 2.761       | -0.043 |
| 343      | 100      | Bias                | 2.8        | 2.565       | -0.235 |
| 344      | 100      | Bias                | 2.821      | 2.581       | -0.24  |
| 345      | 100      | Bias                | 2.821      | 2.569       | -0.252 |
| 346      | 100      | Bias                | 2.835      | 2.58        | -0.255 |
| 347      | 100      | Bias                | 2.831      | 2.586       | -0.245 |
| 348      | 100      | Unbiased            | 2.796      | 2.736       | -0.06  |
| 349      | 100      | Unbiased            | 2.851      | 2.79        | -0.061 |
| 350      | 100      | Unbiased            | 2.803      | 2.731       | -0.072 |
| 351      | 100      | Unbiased            | 2.786      | 2.722       | -0.064 |
| 352      | 100      | Unbiased            | 2.795      | 2.731       | -0.064 |

TID vs Post - Pre Exposure Delta

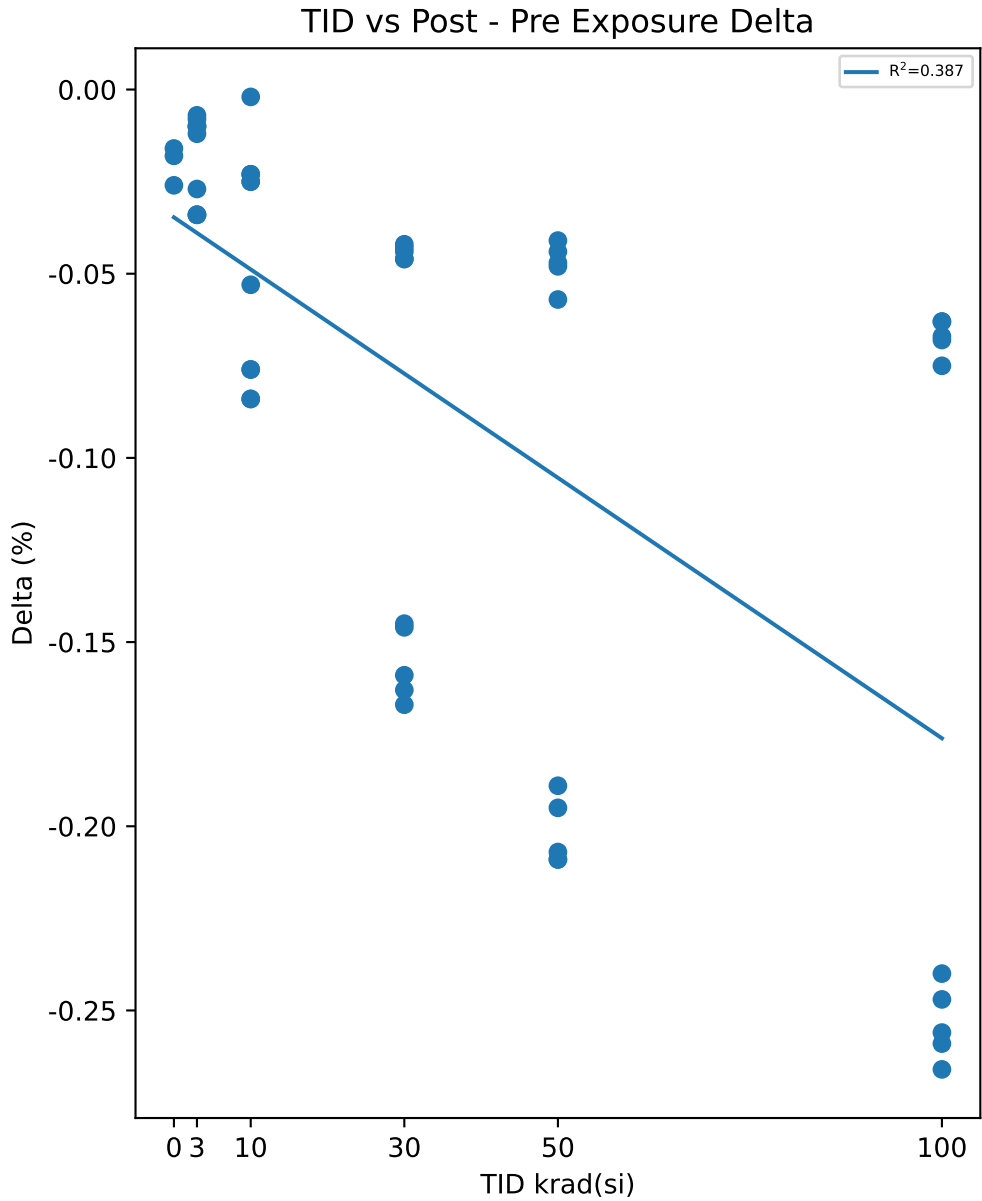
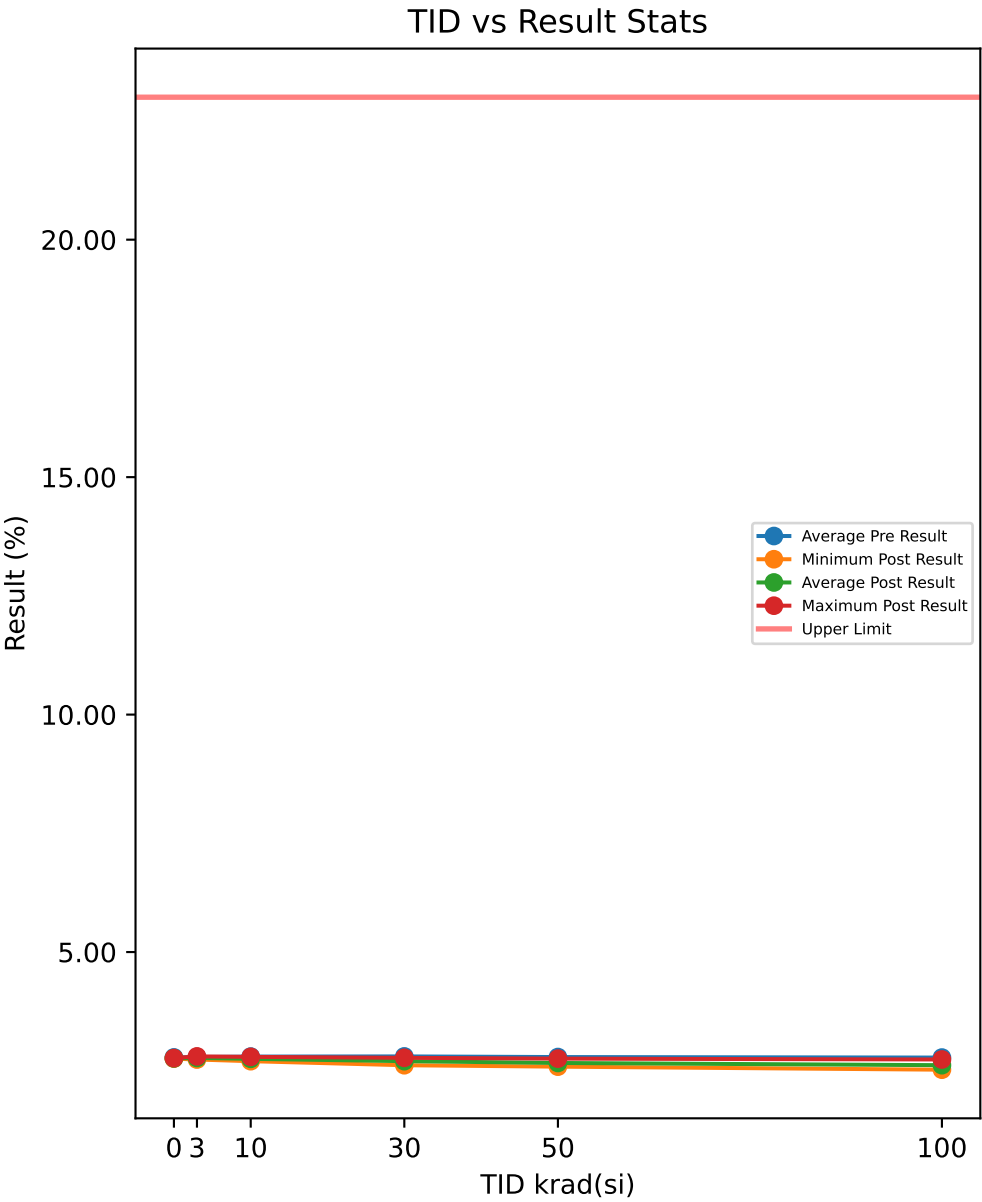


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 2.812            | 2.8207           | 2.829            | 0.0085049        | 2.795             | 2.8017            | 2.806             | 0.0058595         | -0.025    | -0.019    | -0.015    | 0.0052915 |
| 3        | 2.796            | 2.8273           | 2.852            | 0.017308         | 2.786             | 2.8103            | 2.835             | 0.015959          | -0.033    | -0.017    | -0.005    | 0.011255  |
| 10       | 2.799            | 2.8409           | 2.868            | 0.022845         | 2.737             | 2.794             | 2.838             | 0.029507          | -0.084    | -0.0469   | 0.005     | 0.032112  |
| 30       | 2.824            | 2.8457           | 2.875            | 0.017121         | 2.658             | 2.7452            | 2.817             | 0.061106          | -0.166    | -0.1005   | -0.042    | 0.059703  |
| 50       | 2.788            | 2.8283           | 2.854            | 0.021782         | 2.629             | 2.7048            | 2.795             | 0.069584          | -0.21     | -0.1235   | -0.037    | 0.08356   |
| 100      | 2.786            | 2.8139           | 2.851            | 0.021037         | 2.565             | 2.6591            | 2.79              | 0.089453          | -0.255    | -0.1548   | -0.06     | 0.095711  |



Device Test: 6.133; VOL\_RESET\_10MA

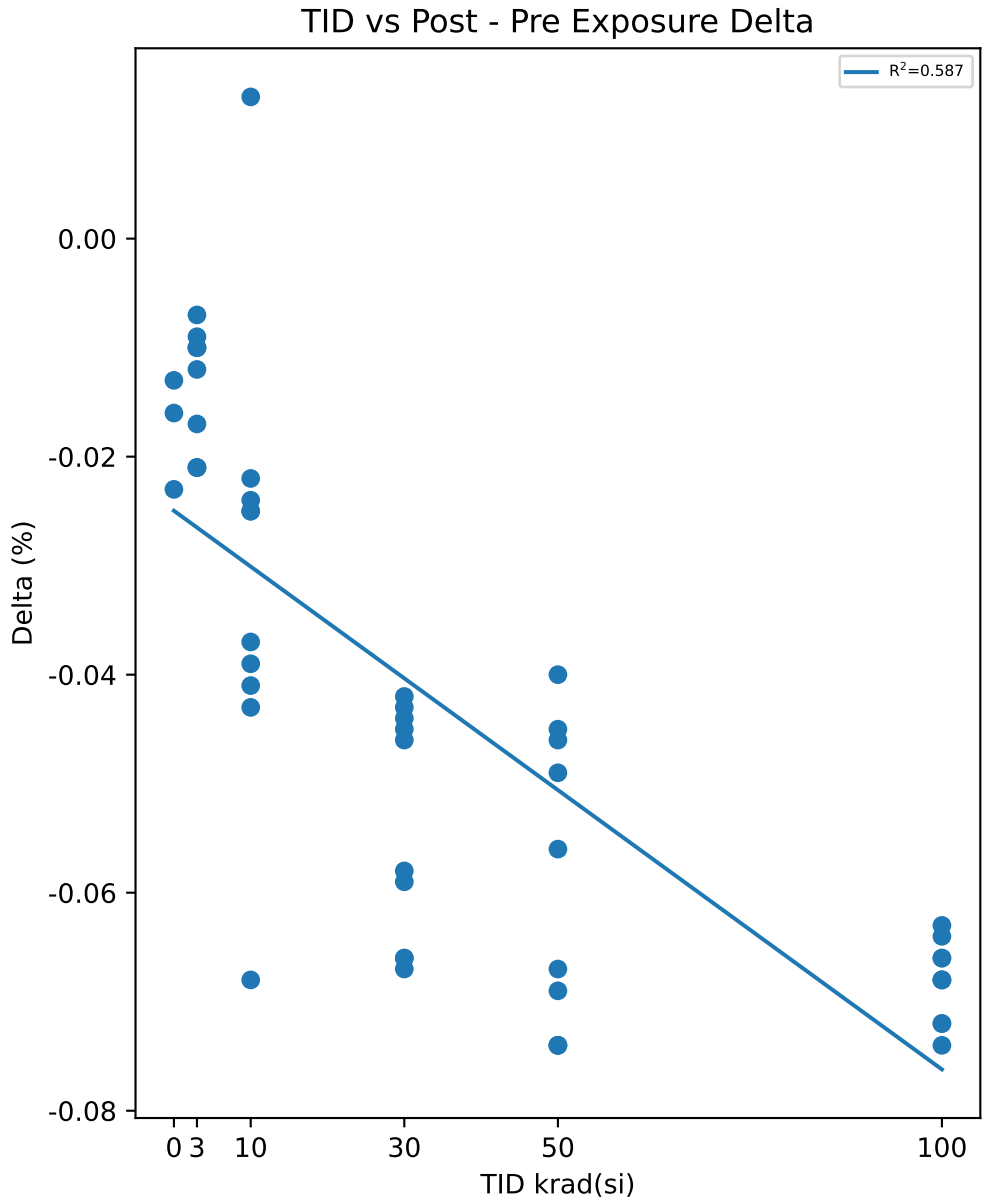
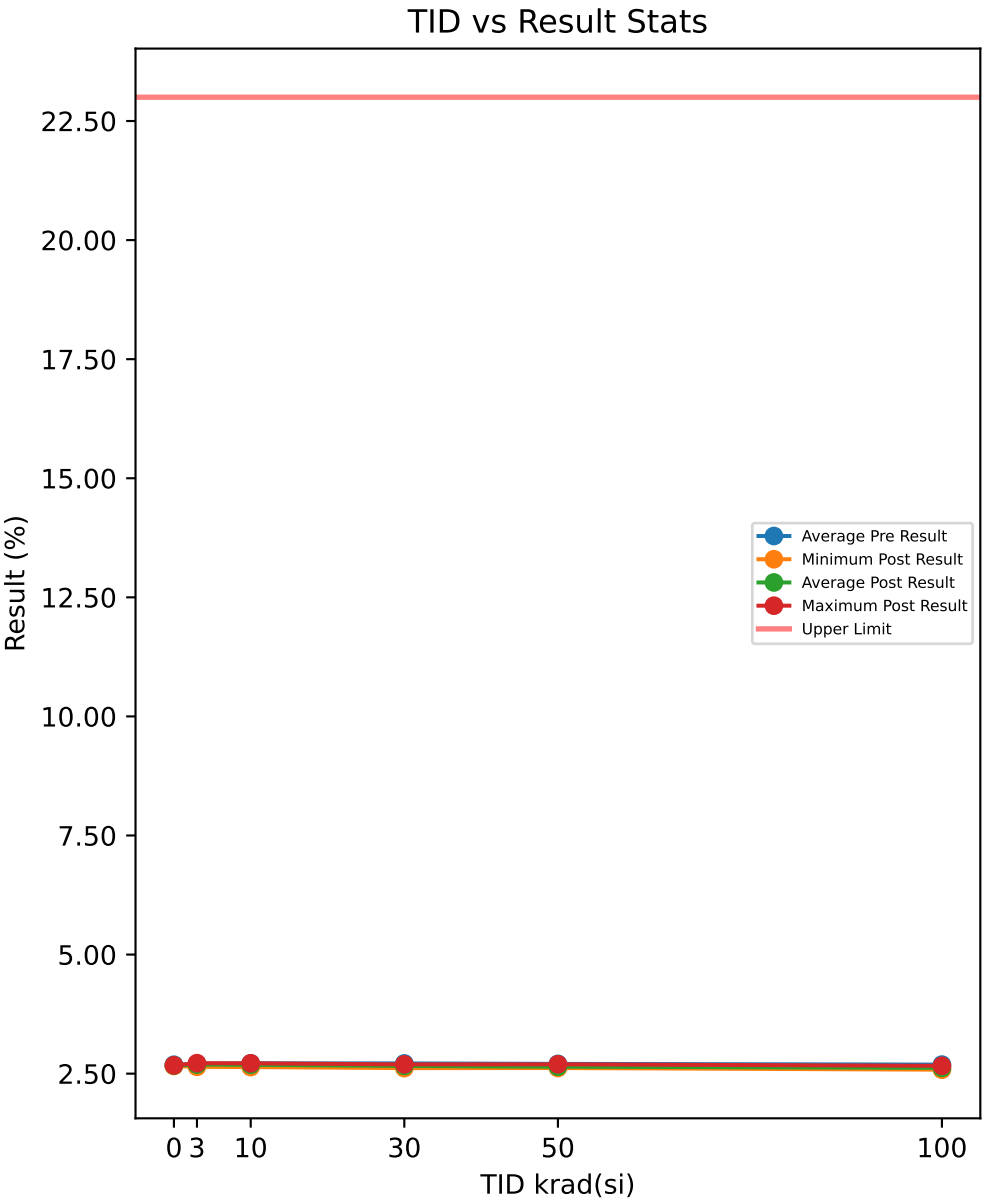


| Test Results (Upper Limit = 23.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 2.793      | 2.767       | -0.026 |
| 301                                   | 0        | Correlation         | 2.774      | 2.756       | -0.018 |
| 302                                   | 0        | Correlation         | 2.778      | 2.762       | -0.016 |
| 303                                   | 3        | Bias                | 2.791      | 2.757       | -0.034 |
| 304                                   | 3        | Bias                | 2.814      | 2.78        | -0.034 |
| 305                                   | 3        | Bias                | 2.799      | 2.765       | -0.034 |
| 306                                   | 3        | Bias                | 2.803      | 2.776       | -0.027 |
| 307                                   | 3        | Bias                | 2.788      | 2.776       | -0.012 |
| 308                                   | 3        | Unbiased            | 2.811      | 2.803       | -0.008 |
| 309                                   | 3        | Unbiased            | 2.772      | 2.762       | -0.01  |
| 310                                   | 3        | Unbiased            | 2.799      | 2.792       | -0.007 |
| 311                                   | 3        | Unbiased            | 2.767      | 2.757       | -0.01  |
| 312                                   | 3        | Unbiased            | 2.747      | 2.737       | -0.01  |
| 313                                   | 10       | Bias                | 2.817      | 2.741       | -0.076 |
| 314                                   | 10       | Bias                | 2.778      | 2.702       | -0.076 |
| 315                                   | 10       | Bias                | 2.81       | 2.726       | -0.084 |
| 316                                   | 10       | Bias                | 2.795      | 2.77        | -0.025 |
| 317                                   | 10       | Bias                | 2.825      | 2.741       | -0.084 |
| 318                                   | 10       | Unbiased            | 2.752      | 2.729       | -0.023 |
| 319                                   | 10       | Unbiased            | 2.8        | 2.777       | -0.023 |
| 320                                   | 10       | Unbiased            | 2.795      | 2.793       | -0.002 |
| 321                                   | 10       | Unbiased            | 2.822      | 2.769       | -0.053 |
| 322                                   | 10       | Unbiased            | 2.796      | 2.771       | -0.025 |
| 323                                   | 30       | Bias                | 2.815      | 2.669       | -0.146 |
| 324                                   | 30       | Bias                | 2.802      | 2.657       | -0.145 |
| 325                                   | 30       | Bias                | 2.791      | 2.624       | -0.167 |
| 326                                   | 30       | Bias                | 2.78       | 2.617       | -0.163 |
| 327                                   | 30       | Bias                | 2.834      | 2.675       | -0.159 |
| 328                                   | 30       | Unbiased            | 2.78       | 2.737       | -0.043 |
| 329                                   | 30       | Unbiased            | 2.815      | 2.773       | -0.042 |
| 330                                   | 30       | Unbiased            | 2.779      | 2.733       | -0.046 |
| 331                                   | 30       | Unbiased            | 2.817      | 2.771       | -0.046 |
| 332                                   | 30       | Unbiased            | 2.814      | 2.77        | -0.044 |
| 333                                   | 50       | Bias                | 2.799      | 2.61        | -0.189 |
| 334                                   | 50       | Bias                | 2.782      | 2.587       | -0.195 |
| 335                                   | 50       | Bias                | 2.803      | 2.596       | -0.207 |
| 336                                   | 50       | Bias                | 2.817      | 2.608       | -0.209 |
| 337                                   | 50       | Bias                | 2.813      | 2.604       | -0.209 |
| 338                                   | 50       | Unbiased            | 2.789      | 2.732       | -0.057 |
| 339                                   | 50       | Unbiased            | 2.752      | 2.711       | -0.041 |
| 340                                   | 50       | Unbiased            | 2.768      | 2.72        | -0.048 |
| 341                                   | 50       | Unbiased            | 2.8        | 2.756       | -0.044 |
| 342                                   | 50       | Unbiased            | 2.769      | 2.722       | -0.047 |
| 343                                   | 100      | Bias                | 2.763      | 2.523       | -0.24  |
| 344                                   | 100      | Bias                | 2.793      | 2.546       | -0.247 |
| 345                                   | 100      | Bias                | 2.783      | 2.527       | -0.256 |
| 346                                   | 100      | Bias                | 2.82       | 2.554       | -0.266 |
| 347                                   | 100      | Bias                | 2.806      | 2.547       | -0.259 |
| 348                                   | 100      | Unbiased            | 2.758      | 2.695       | -0.063 |
| 349                                   | 100      | Unbiased            | 2.801      | 2.738       | -0.063 |
| 350                                   | 100      | Unbiased            | 2.758      | 2.683       | -0.075 |
| 351                                   | 100      | Unbiased            | 2.762      | 2.694       | -0.068 |
| 352                                   | 100      | Unbiased            | 2.739      | 2.672       | -0.067 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 2.774            | 2.7817           | 2.793            | 0.010017         | 2.756             | 2.7617            | 2.767             | 0.0055076         | -0.026    | -0.02     | -0.016    | 0.0052915 |
| 3        | 2.747            | 2.7891           | 2.814            | 0.021205         | 2.737             | 2.7705            | 2.803             | 0.019028          | -0.034    | -0.0186   | -0.007    | 0.011993  |
| 10       | 2.752            | 2.799            | 2.825            | 0.021965         | 2.702             | 2.7519            | 2.793             | 0.028337          | -0.084    | -0.0471   | -0.002    | 0.030914  |
| 30       | 2.779            | 2.8027           | 2.834            | 0.019276         | 2.617             | 2.7026            | 2.773             | 0.061247          | -0.167    | -0.1001   | -0.042    | 0.059312  |
| 50       | 2.752            | 2.7892           | 2.817            | 0.021175         | 2.587             | 2.6646            | 2.756             | 0.068312          | -0.209    | -0.1246   | -0.041    | 0.081707  |
| 100      | 2.739            | 2.7783           | 2.82             | 0.026094         | 2.523             | 2.6179            | 2.738             | 0.084901          | -0.266    | -0.1604   | -0.063    | 0.098532  |

Device Test: 6.134; VOL\_RESET\_10MA

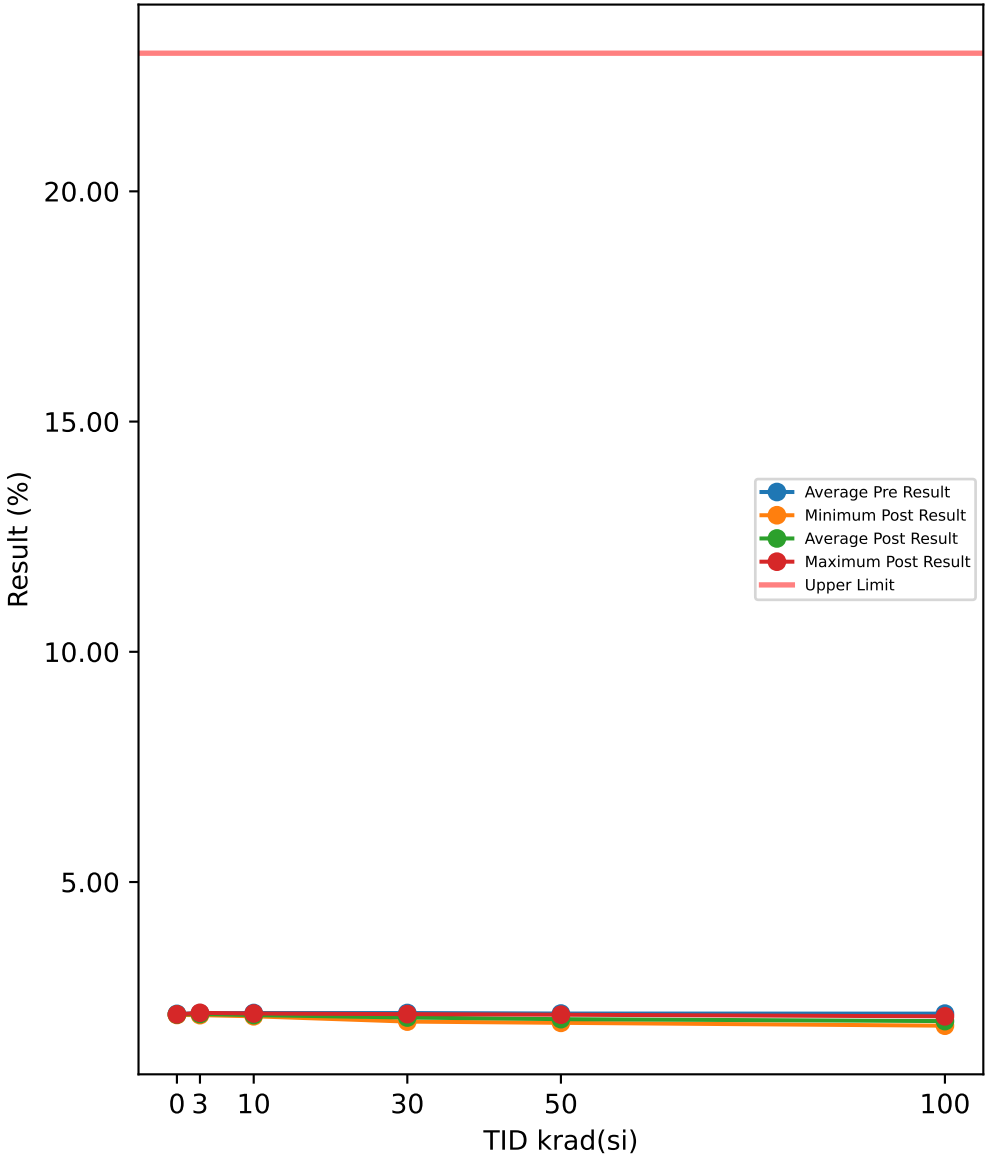


| Test Results (Upper Limit = 23.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 2.697      | 2.674       | -0.023 |
| 301                                   | 0        | Correlation         | 2.677      | 2.661       | -0.016 |
| 302                                   | 0        | Correlation         | 2.688      | 2.675       | -0.013 |
| 303                                   | 3        | Bias                | 2.703      | 2.682       | -0.021 |
| 304                                   | 3        | Bias                | 2.741      | 2.72        | -0.021 |
| 305                                   | 3        | Bias                | 2.726      | 2.705       | -0.021 |
| 306                                   | 3        | Bias                | 2.714      | 2.697       | -0.017 |
| 307                                   | 3        | Bias                | 2.71       | 2.698       | -0.012 |
| 308                                   | 3        | Unbiased            | 2.722      | 2.713       | -0.009 |
| 309                                   | 3        | Unbiased            | 2.684      | 2.674       | -0.01  |
| 310                                   | 3        | Unbiased            | 2.717      | 2.71        | -0.007 |
| 311                                   | 3        | Unbiased            | 2.673      | 2.663       | -0.01  |
| 312                                   | 3        | Unbiased            | 2.653      | 2.643       | -0.01  |
| 313                                   | 10       | Bias                | 2.733      | 2.696       | -0.037 |
| 314                                   | 10       | Bias                | 2.692      | 2.653       | -0.039 |
| 315                                   | 10       | Bias                | 2.735      | 2.694       | -0.041 |
| 316                                   | 10       | Bias                | 2.703      | 2.678       | -0.025 |
| 317                                   | 10       | Bias                | 2.75       | 2.707       | -0.043 |
| 318                                   | 10       | Unbiased            | 2.66       | 2.638       | -0.022 |
| 319                                   | 10       | Unbiased            | 2.719      | 2.695       | -0.024 |
| 320                                   | 10       | Unbiased            | 2.704      | 2.717       | 0.013  |
| 321                                   | 10       | Unbiased            | 2.747      | 2.679       | -0.068 |
| 322                                   | 10       | Unbiased            | 2.724      | 2.699       | -0.025 |
| 323                                   | 30       | Bias                | 2.732      | 2.673       | -0.059 |
| 324                                   | 30       | Bias                | 2.714      | 2.656       | -0.058 |
| 325                                   | 30       | Bias                | 2.702      | 2.635       | -0.067 |
| 326                                   | 30       | Bias                | 2.682      | 2.616       | -0.066 |
| 327                                   | 30       | Bias                | 2.758      | 2.692       | -0.066 |
| 328                                   | 30       | Unbiased            | 2.685      | 2.643       | -0.042 |
| 329                                   | 30       | Unbiased            | 2.737      | 2.694       | -0.043 |
| 330                                   | 30       | Unbiased            | 2.685      | 2.64        | -0.045 |
| 331                                   | 30       | Unbiased            | 2.727      | 2.681       | -0.046 |
| 332                                   | 30       | Unbiased            | 2.726      | 2.682       | -0.044 |
| 333                                   | 50       | Bias                | 2.709      | 2.642       | -0.067 |
| 334                                   | 50       | Bias                | 2.695      | 2.626       | -0.069 |
| 335                                   | 50       | Bias                | 2.726      | 2.652       | -0.074 |
| 336                                   | 50       | Bias                | 2.731      | 2.657       | -0.074 |
| 337                                   | 50       | Bias                | 2.724      | 2.65        | -0.074 |
| 338                                   | 50       | Unbiased            | 2.698      | 2.642       | -0.056 |
| 339                                   | 50       | Unbiased            | 2.658      | 2.618       | -0.04  |
| 340                                   | 50       | Unbiased            | 2.693      | 2.644       | -0.049 |
| 341                                   | 50       | Unbiased            | 2.741      | 2.696       | -0.045 |
| 342                                   | 50       | Unbiased            | 2.676      | 2.63        | -0.046 |
| 343                                   | 100      | Bias                | 2.667      | 2.599       | -0.068 |
| 344                                   | 100      | Bias                | 2.711      | 2.639       | -0.072 |
| 345                                   | 100      | Bias                | 2.71       | 2.638       | -0.072 |
| 346                                   | 100      | Bias                | 2.716      | 2.648       | -0.068 |
| 347                                   | 100      | Bias                | 2.698      | 2.632       | -0.066 |
| 348                                   | 100      | Unbiased            | 2.675      | 2.612       | -0.063 |
| 349                                   | 100      | Unbiased            | 2.728      | 2.664       | -0.064 |
| 350                                   | 100      | Unbiased            | 2.67       | 2.596       | -0.074 |
| 351                                   | 100      | Unbiased            | 2.674      | 2.606       | -0.068 |
| 352                                   | 100      | Unbiased            | 2.649      | 2.583       | -0.066 |

| Test Statistics (%) |                  |                  |                  |                  |                   |                   |                   |                   |           |           |           |           |
|---------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| krad(si)            | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
| 0                   | 2.677            | 2.6873           | 2.697            | 0.010017         | 2.661             | 2.67              | 2.675             | 0.0078102         | -0.023    | -0.017333 | -0.013    | 0.0051316 |
| 3                   | 2.653            | 2.7043           | 2.741            | 0.026758         | 2.643             | 2.6905            | 2.72              | 0.024546          | -0.021    | -0.0138   | -0.007    | 0.0055936 |
| 10                  | 2.66             | 2.7167           | 2.75             | 0.027609         | 2.638             | 2.6856            | 2.717             | 0.024314          | -0.068    | -0.0311   | 0.013     | 0.020685  |
| 30                  | 2.682            | 2.7148           | 2.758            | 0.025703         | 2.616             | 2.6612            | 2.694             | 0.026927          | -0.067    | -0.0536   | -0.042    | 0.010575  |
| 50                  | 2.658            | 2.7051           | 2.741            | 0.026104         | 2.618             | 2.6457            | 2.696             | 0.021469          | -0.074    | -0.0594   | -0.04     | 0.013632  |
| 100                 | 2.649            | 2.6898           | 2.728            | 0.026067         | 2.583             | 2.6217            | 2.664             | 0.026175          | -0.074    | -0.0681   | -0.063    | 0.003604  |

Device Test: 6.135; VOL\_WDO\_10MA

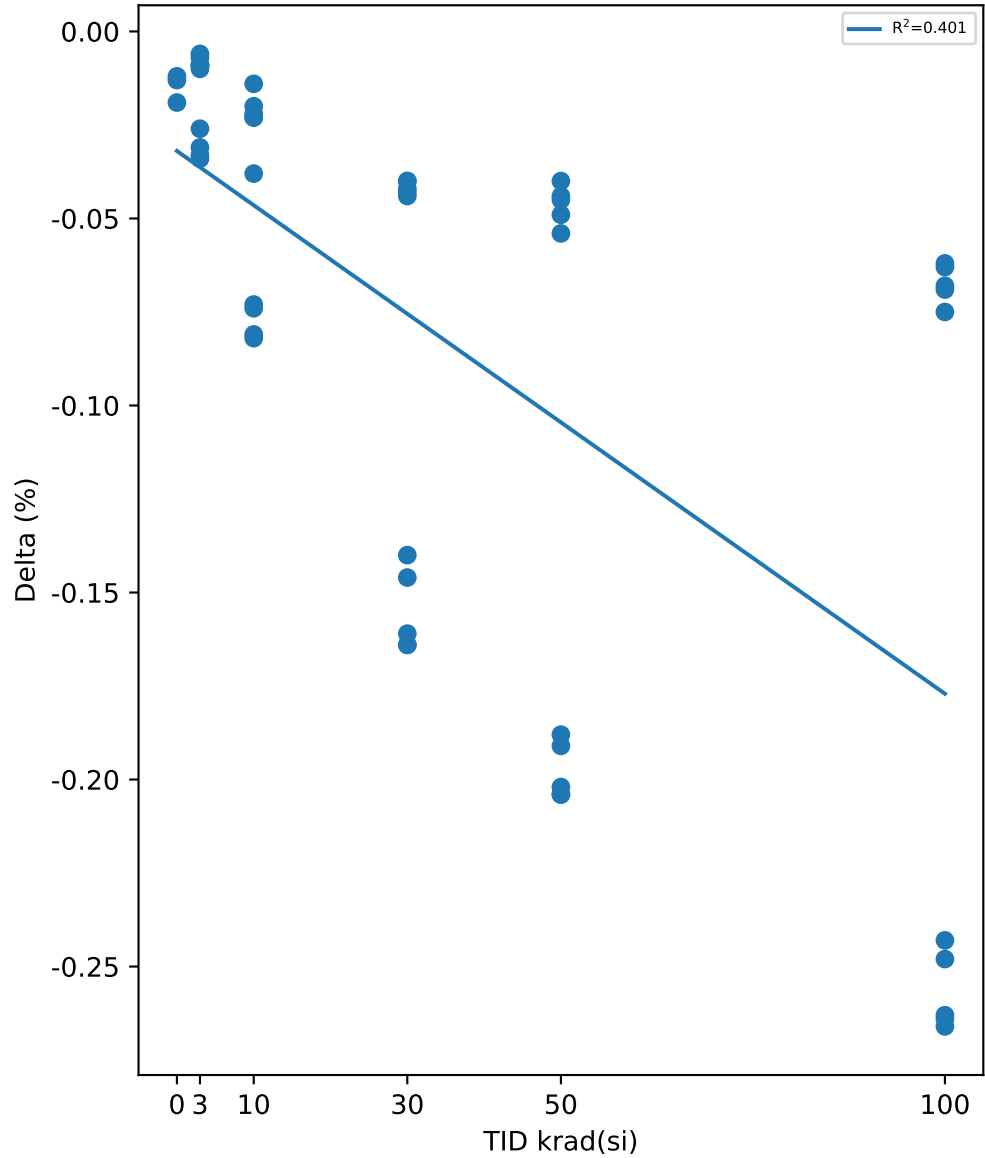
TID vs Result Stats



Test Results (Upper Limit = 23.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 2.145      | 2.126       | -0.019 |
| 301      | 0        | Correlation         | 2.126      | 2.113       | -0.013 |
| 302      | 0        | Correlation         | 2.138      | 2.126       | -0.012 |
| 303      | 3        | Bias                | 2.169      | 2.138       | -0.031 |
| 304      | 3        | Bias                | 2.173      | 2.14        | -0.033 |
| 305      | 3        | Bias                | 2.158      | 2.124       | -0.034 |
| 306      | 3        | Bias                | 2.135      | 2.109       | -0.026 |
| 307      | 3        | Bias                | 2.158      | 2.149       | -0.009 |
| 308      | 3        | Unbiased            | 2.166      | 2.159       | -0.007 |
| 309      | 3        | Unbiased            | 2.142      | 2.132       | -0.01  |
| 310      | 3        | Unbiased            | 2.157      | 2.151       | -0.006 |
| 311      | 3        | Unbiased            | 2.125      | 2.116       | -0.009 |
| 312      | 3        | Unbiased            | 2.121      | 2.112       | -0.009 |
| 313      | 10       | Bias                | 2.157      | 2.084       | -0.073 |
| 314      | 10       | Bias                | 2.166      | 2.092       | -0.074 |
| 315      | 10       | Bias                | 2.173      | 2.091       | -0.082 |
| 316      | 10       | Bias                | 2.138      | 2.115       | -0.023 |
| 317      | 10       | Bias                | 2.166      | 2.085       | -0.081 |
| 318      | 10       | Unbiased            | 2.136      | 2.116       | -0.02  |
| 319      | 10       | Unbiased            | 2.167      | 2.145       | -0.022 |
| 320      | 10       | Unbiased            | 2.138      | 2.124       | -0.014 |
| 321      | 10       | Unbiased            | 2.152      | 2.114       | -0.038 |
| 322      | 10       | Unbiased            | 2.163      | 2.14        | -0.023 |
| 323      | 30       | Bias                | 2.187      | 2.041       | -0.146 |
| 324      | 30       | Bias                | 2.146      | 2.006       | -0.14  |
| 325      | 30       | Bias                | 2.162      | 1.998       | -0.164 |
| 326      | 30       | Bias                | 2.13       | 1.969       | -0.161 |
| 327      | 30       | Bias                | 2.194      | 2.03        | -0.164 |
| 328      | 30       | Unbiased            | 2.135      | 2.095       | -0.04  |
| 329      | 30       | Unbiased            | 2.155      | 2.115       | -0.04  |
| 330      | 30       | Unbiased            | 2.135      | 2.091       | -0.044 |
| 331      | 30       | Unbiased            | 2.139      | 2.096       | -0.043 |
| 332      | 30       | Unbiased            | 2.173      | 2.131       | -0.042 |
| 333      | 50       | Bias                | 2.13       | 1.942       | -0.188 |
| 334      | 50       | Bias                | 2.145      | 1.954       | -0.191 |
| 335      | 50       | Bias                | 2.157      | 1.953       | -0.204 |
| 336      | 50       | Bias                | 2.149      | 1.947       | -0.202 |
| 337      | 50       | Bias                | 2.155      | 1.951       | -0.204 |
| 338      | 50       | Unbiased            | 2.138      | 2.084       | -0.054 |
| 339      | 50       | Unbiased            | 2.114      | 2.074       | -0.04  |
| 340      | 50       | Unbiased            | 2.152      | 2.103       | -0.049 |
| 341      | 50       | Unbiased            | 2.162      | 2.118       | -0.044 |
| 342      | 50       | Unbiased            | 2.139      | 2.094       | -0.045 |
| 343      | 100      | Bias                | 2.123      | 1.88        | -0.243 |
| 344      | 100      | Bias                | 2.143      | 1.895       | -0.248 |
| 345      | 100      | Bias                | 2.16       | 1.897       | -0.263 |
| 346      | 100      | Bias                | 2.173      | 1.907       | -0.266 |
| 347      | 100      | Bias                | 2.158      | 1.894       | -0.264 |
| 348      | 100      | Unbiased            | 2.127      | 2.064       | -0.063 |
| 349      | 100      | Unbiased            | 2.145      | 2.083       | -0.062 |
| 350      | 100      | Unbiased            | 2.137      | 2.062       | -0.075 |
| 351      | 100      | Unbiased            | 2.135      | 2.066       | -0.069 |
| 352      | 100      | Unbiased            | 2.119      | 2.051       | -0.068 |

TID vs Post - Pre Exposure Delta

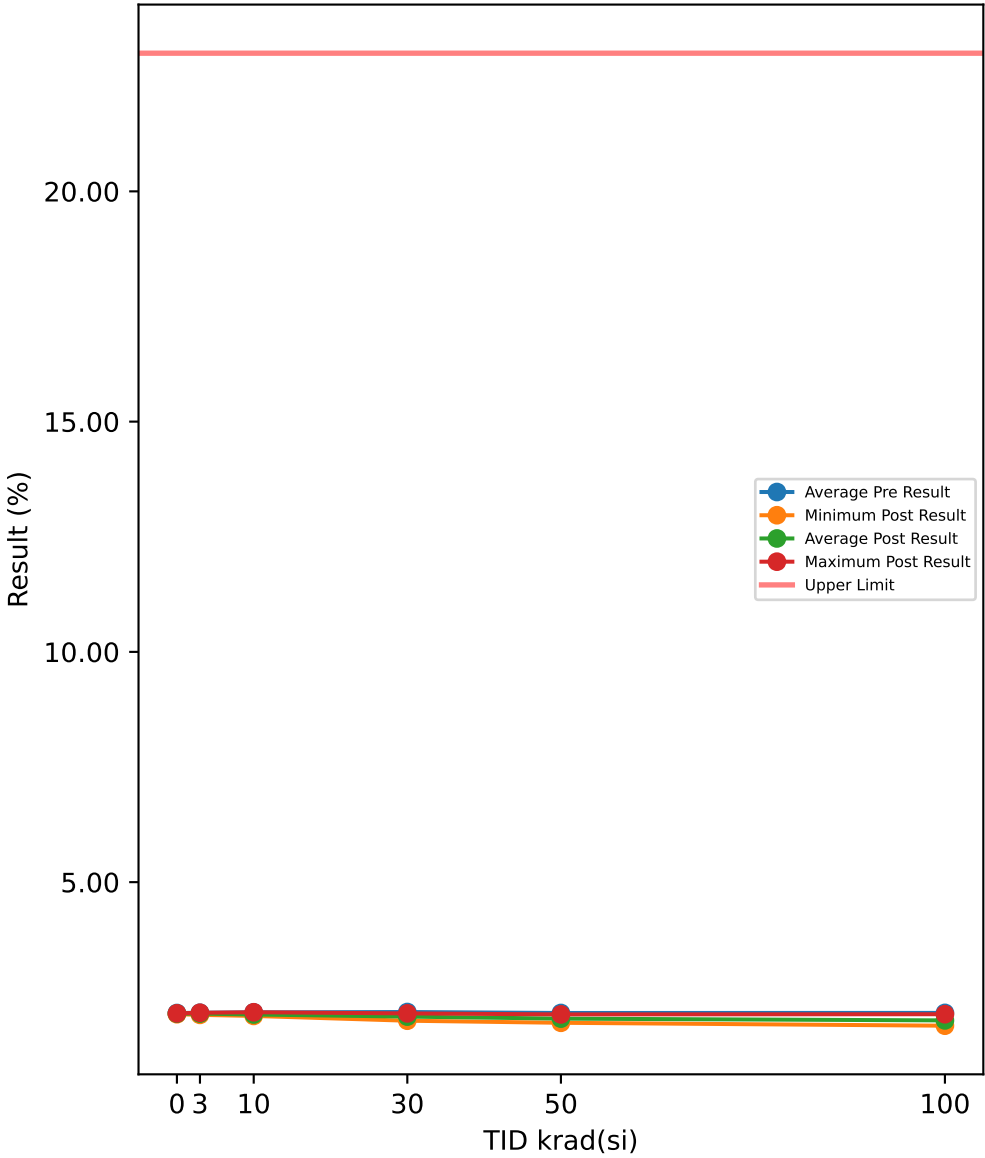


Test Statistics (%)

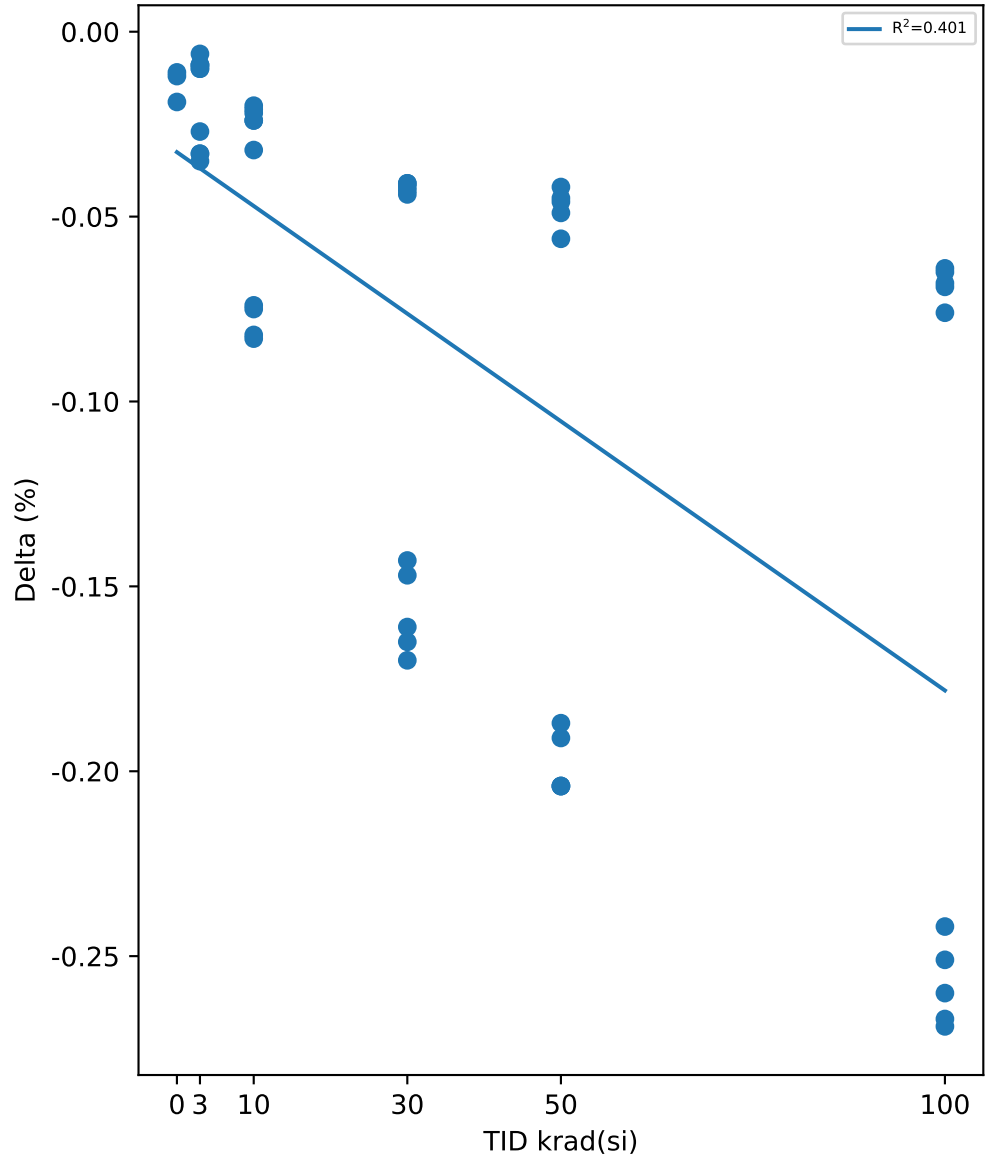
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 2.126            | 2.1363           | 2.145            | 0.009609         | 2.113             | 2.1217            | 2.126             | 0.0075056         | -0.019    | -0.014667 | -0.012    | 0.0037859 |
| 3        | 2.121            | 2.1504           | 2.173            | 0.018488         | 2.109             | 2.133             | 2.159             | 0.017378          | -0.034    | -0.0174   | -0.006    | 0.011937  |
| 10       | 2.136            | 2.1556           | 2.173            | 0.013834         | 2.084             | 2.1106            | 2.145             | 0.022062          | -0.082    | -0.045    | -0.014    | 0.028717  |
| 30       | 2.13             | 2.1556           | 2.194            | 0.022795         | 1.969             | 2.0572            | 2.131             | 0.055549          | -0.164    | -0.0984   | -0.04     | 0.060141  |
| 50       | 2.114            | 2.1441           | 2.162            | 0.014379         | 1.942             | 2.022             | 2.118             | 0.077431          | -0.204    | -0.1221   | -0.04     | 0.080038  |
| 100      | 2.119            | 2.142            | 2.173            | 0.017448         | 1.88              | 1.9799            | 2.083             | 0.090471          | -0.266    | -0.1621   | -0.062    | 0.10013   |

Device Test: 6.136; VOL\_PWRGD\_10MA

TID vs Result Stats



TID vs Post - Pre Exposure Delta



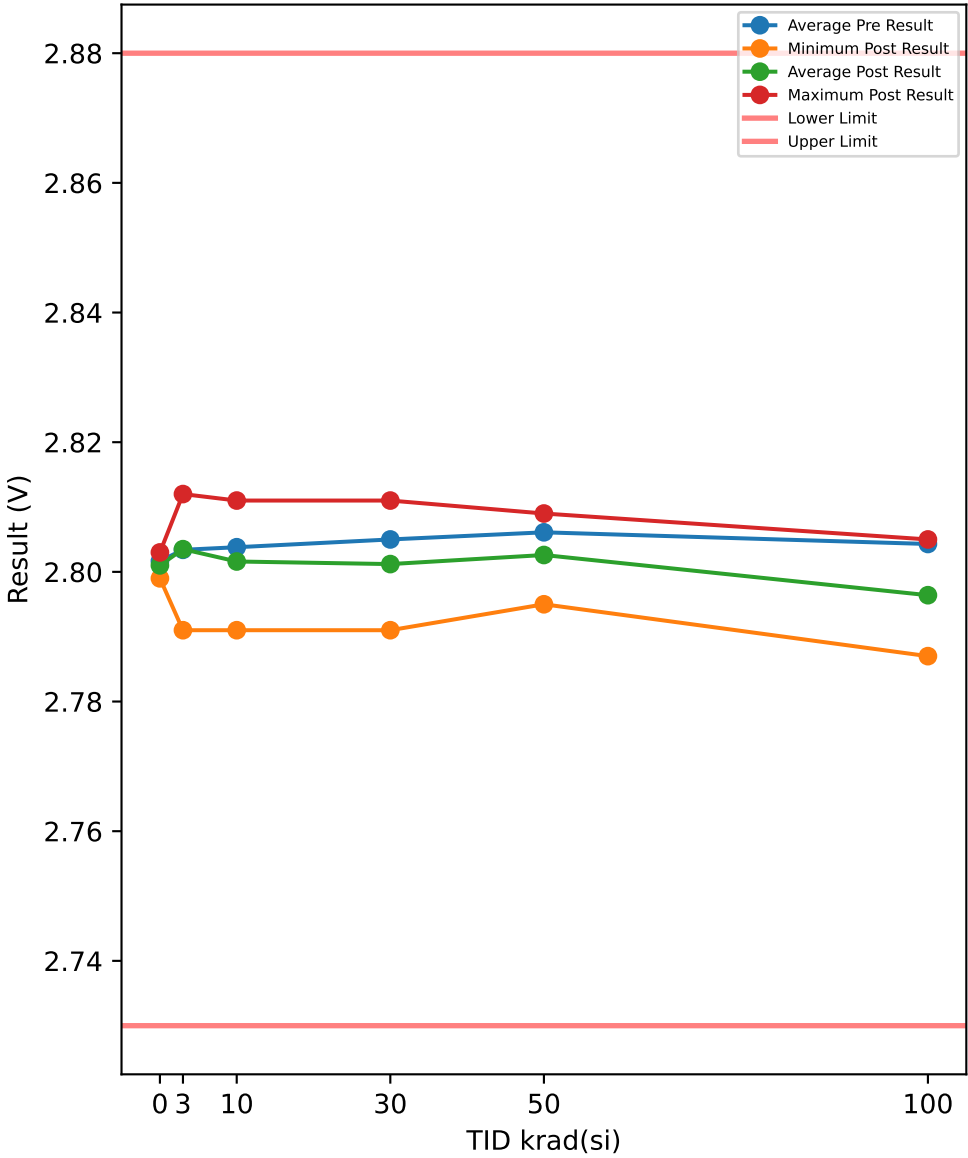
Test Results (Upper Limit = 23.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 2.169      | 2.15        | -0.019 |
| 301      | 0        | Correlation         | 2.144      | 2.132       | -0.012 |
| 302      | 0        | Correlation         | 2.162      | 2.151       | -0.011 |
| 303      | 3        | Bias                | 2.181      | 2.148       | -0.033 |
| 304      | 3        | Bias                | 2.178      | 2.145       | -0.033 |
| 305      | 3        | Bias                | 2.18       | 2.145       | -0.035 |
| 306      | 3        | Bias                | 2.168      | 2.141       | -0.027 |
| 307      | 3        | Bias                | 2.171      | 2.161       | -0.01  |
| 308      | 3        | Unbiased            | 2.173      | 2.164       | -0.009 |
| 309      | 3        | Unbiased            | 2.156      | 2.146       | -0.01  |
| 310      | 3        | Unbiased            | 2.163      | 2.157       | -0.006 |
| 311      | 3        | Unbiased            | 2.141      | 2.132       | -0.009 |
| 312      | 3        | Unbiased            | 2.127      | 2.118       | -0.009 |
| 313      | 10       | Bias                | 2.183      | 2.109       | -0.074 |
| 314      | 10       | Bias                | 2.17       | 2.095       | -0.075 |
| 315      | 10       | Bias                | 2.184      | 2.101       | -0.083 |
| 316      | 10       | Bias                | 2.157      | 2.133       | -0.024 |
| 317      | 10       | Bias                | 2.185      | 2.103       | -0.082 |
| 318      | 10       | Unbiased            | 2.132      | 2.111       | -0.021 |
| 319      | 10       | Unbiased            | 2.197      | 2.175       | -0.022 |
| 320      | 10       | Unbiased            | 2.164      | 2.144       | -0.02  |
| 321      | 10       | Unbiased            | 2.172      | 2.14        | -0.032 |
| 322      | 10       | Unbiased            | 2.176      | 2.152       | -0.024 |
| 323      | 30       | Bias                | 2.211      | 2.064       | -0.147 |
| 324      | 30       | Bias                | 2.173      | 2.03        | -0.143 |
| 325      | 30       | Bias                | 2.168      | 2.003       | -0.165 |
| 326      | 30       | Bias                | 2.152      | 1.991       | -0.161 |
| 327      | 30       | Bias                | 2.232      | 2.062       | -0.17  |
| 328      | 30       | Unbiased            | 2.161      | 2.12        | -0.041 |
| 329      | 30       | Unbiased            | 2.182      | 2.141       | -0.041 |
| 330      | 30       | Unbiased            | 2.161      | 2.117       | -0.044 |
| 331      | 30       | Unbiased            | 2.168      | 2.125       | -0.043 |
| 332      | 30       | Unbiased            | 2.192      | 2.15        | -0.042 |
| 333      | 50       | Bias                | 2.133      | 1.946       | -0.187 |
| 334      | 50       | Bias                | 2.163      | 1.972       | -0.191 |
| 335      | 50       | Bias                | 2.169      | 1.965       | -0.204 |
| 336      | 50       | Bias                | 2.174      | 1.97        | -0.204 |
| 337      | 50       | Bias                | 2.171      | 1.967       | -0.204 |
| 338      | 50       | Unbiased            | 2.162      | 2.106       | -0.056 |
| 339      | 50       | Unbiased            | 2.143      | 2.101       | -0.042 |
| 340      | 50       | Unbiased            | 2.159      | 2.11        | -0.049 |
| 341      | 50       | Unbiased            | 2.173      | 2.128       | -0.045 |
| 342      | 50       | Unbiased            | 2.144      | 2.098       | -0.046 |
| 343      | 100      | Bias                | 2.125      | 1.883       | -0.242 |
| 344      | 100      | Bias                | 2.164      | 1.913       | -0.251 |
| 345      | 100      | Bias                | 2.163      | 1.903       | -0.26  |
| 346      | 100      | Bias                | 2.194      | 1.925       | -0.269 |
| 347      | 100      | Bias                | 2.179      | 1.912       | -0.267 |
| 348      | 100      | Unbiased            | 2.139      | 2.075       | -0.064 |
| 349      | 100      | Unbiased            | 2.197      | 2.132       | -0.065 |
| 350      | 100      | Unbiased            | 2.164      | 2.088       | -0.076 |
| 351      | 100      | Unbiased            | 2.161      | 2.092       | -0.069 |
| 352      | 100      | Unbiased            | 2.123      | 2.055       | -0.068 |

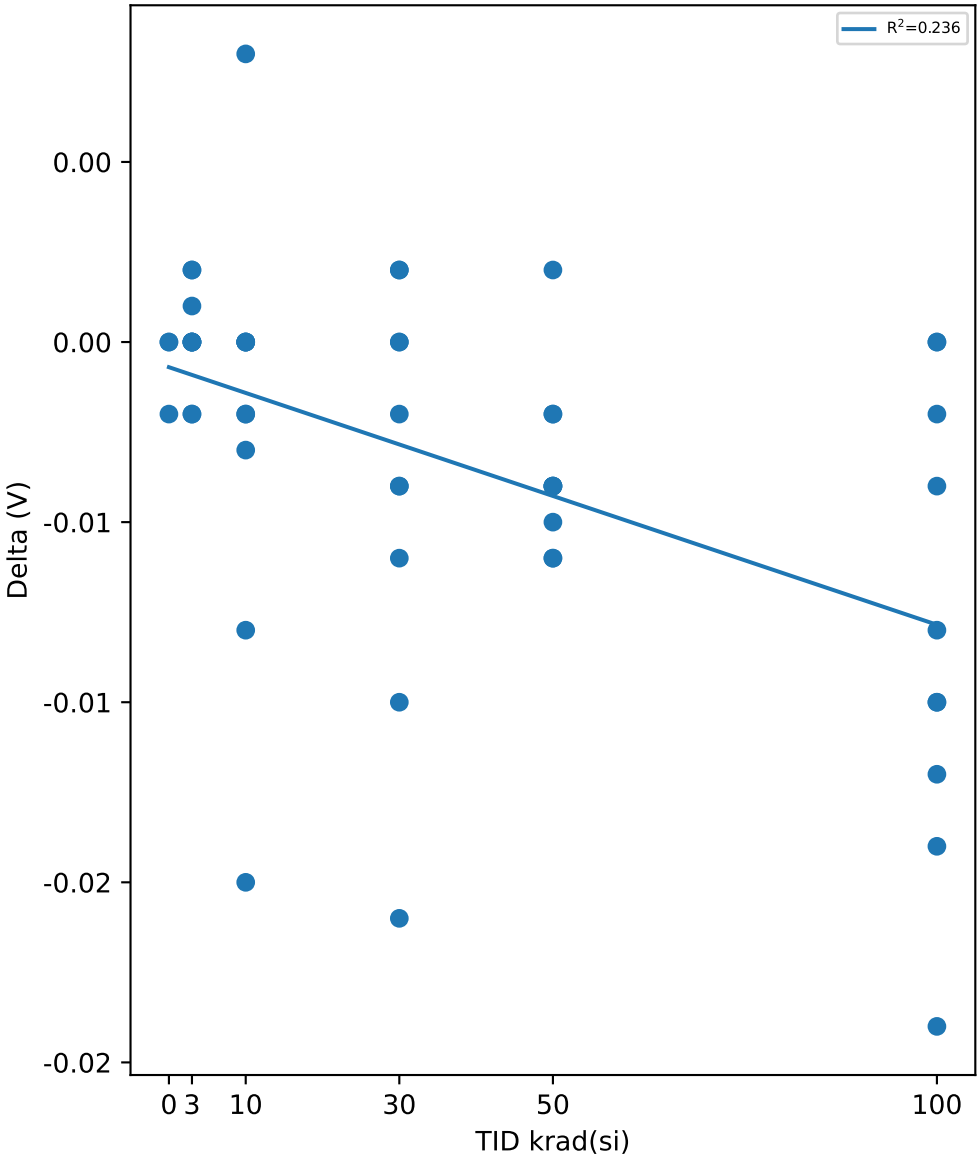
Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 2.144            | 2.1583           | 2.169            | 0.012897         | 2.132             | 2.1443            | 2.151             | 0.010693          | -0.019    | -0.014    | -0.011    | 0.0043589 |
| 3        | 2.127            | 2.1638           | 2.181            | 0.017794         | 2.118             | 2.1457            | 2.164             | 0.013663          | -0.035    | -0.0181   | -0.006    | 0.012179  |
| 10       | 2.132            | 2.172            | 2.197            | 0.01816          | 2.095             | 2.1263            | 2.175             | 0.026403          | -0.083    | -0.0457   | -0.02     | 0.028539  |
| 30       | 2.152            | 2.18             | 2.232            | 0.025069         | 1.991             | 2.0803            | 2.15              | 0.058256          | -0.17     | -0.0997   | -0.041    | 0.061114  |
| 50       | 2.133            | 2.1591           | 2.174            | 0.014325         | 1.946             | 2.0363            | 2.128             | 0.076929          | -0.204    | -0.1228   | -0.042    | 0.079541  |
| 100      | 2.123            | 2.1609           | 2.197            | 0.025723         | 1.883             | 1.9978            | 2.132             | 0.097906          | -0.269    | -0.1631   | -0.064    | 0.10016   |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 2.73, Upper Limit = 2.88 (V))

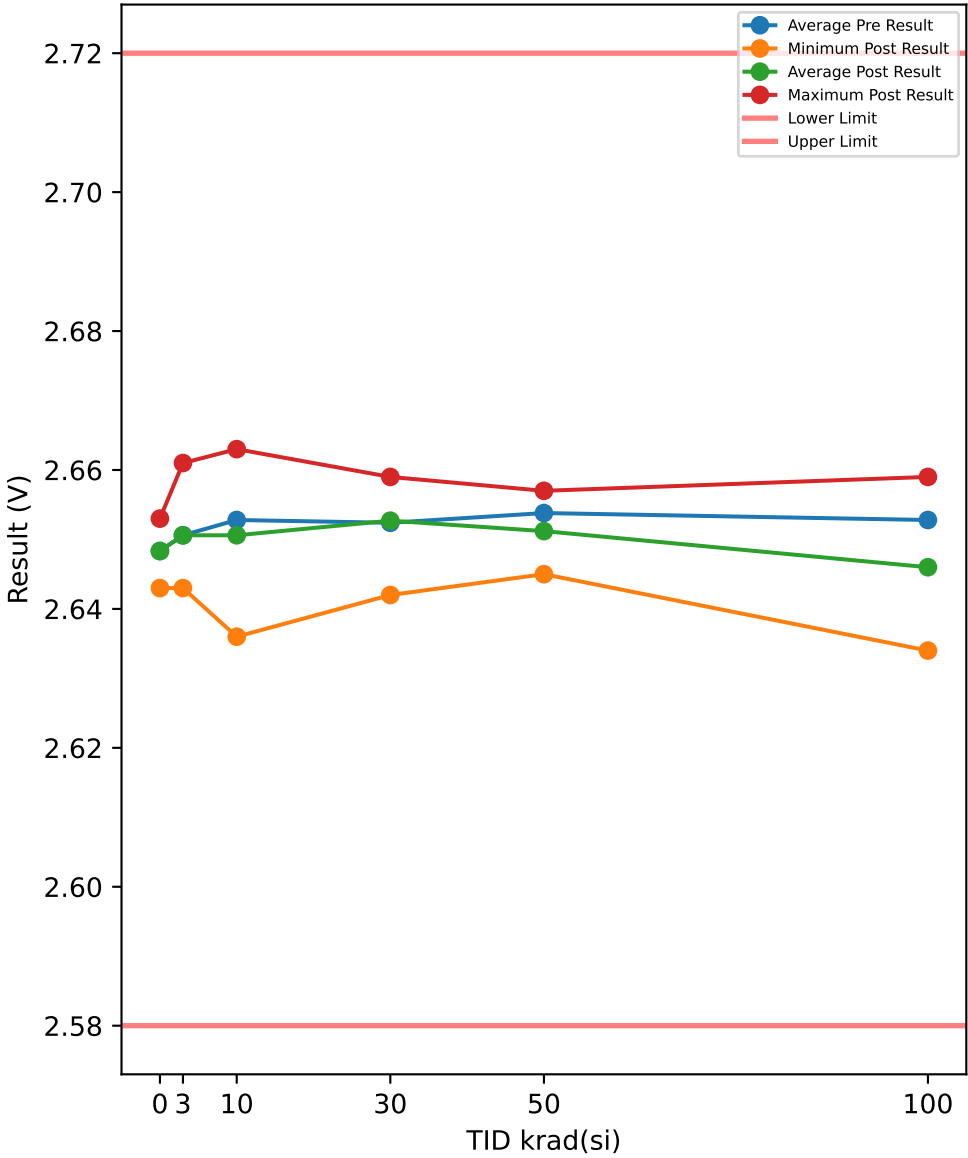
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 2.801      | 2.801       | 0      |
| 301      | 0        | Correlation         | 2.805      | 2.803       | -0.002 |
| 302      | 0        | Correlation         | 2.799      | 2.799       | 0      |
| 303      | 3        | Bias                | 2.809      | 2.811       | 0.002  |
| 304      | 3        | Bias                | 2.809      | 2.809       | 0      |
| 305      | 3        | Bias                | 2.791      | 2.791       | 0      |
| 306      | 3        | Bias                | 2.811      | 2.812       | 0.001  |
| 307      | 3        | Bias                | 2.809      | 2.807       | -0.002 |
| 308      | 3        | Unbiased            | 2.805      | 2.803       | -0.002 |
| 309      | 3        | Unbiased            | 2.797      | 2.797       | 0      |
| 310      | 3        | Unbiased            | 2.801      | 2.803       | 0.002  |
| 311      | 3        | Unbiased            | 2.803      | 2.803       | 0      |
| 312      | 3        | Unbiased            | 2.799      | 2.799       | 0      |
| 313      | 10       | Bias                | 2.814      | 2.811       | -0.003 |
| 314      | 10       | Bias                | 2.797      | 2.795       | -0.002 |
| 315      | 10       | Bias                | 2.812      | 2.797       | -0.015 |
| 316      | 10       | Bias                | 2.807      | 2.799       | -0.008 |
| 317      | 10       | Bias                | 2.791      | 2.791       | 0      |
| 318      | 10       | Unbiased            | 2.803      | 2.811       | 0.008  |
| 319      | 10       | Unbiased            | 2.807      | 2.807       | 0      |
| 320      | 10       | Unbiased            | 2.801      | 2.801       | 0      |
| 321      | 10       | Unbiased            | 2.801      | 2.799       | -0.002 |
| 322      | 10       | Unbiased            | 2.805      | 2.805       | 0      |
| 323      | 30       | Bias                | 2.801      | 2.791       | -0.01  |
| 324      | 30       | Bias                | 2.803      | 2.799       | -0.004 |
| 325      | 30       | Bias                | 2.799      | 2.795       | -0.004 |
| 326      | 30       | Bias                | 2.807      | 2.807       | 0      |
| 327      | 30       | Bias                | 2.805      | 2.799       | -0.006 |
| 328      | 30       | Unbiased            | 2.809      | 2.811       | 0.002  |
| 329      | 30       | Unbiased            | 2.805      | 2.805       | 0      |
| 330      | 30       | Unbiased            | 2.807      | 2.805       | -0.002 |
| 331      | 30       | Unbiased            | 2.809      | 2.793       | -0.016 |
| 332      | 30       | Unbiased            | 2.805      | 2.807       | 0.002  |
| 333      | 50       | Bias                | 2.809      | 2.803       | -0.006 |
| 334      | 50       | Bias                | 2.803      | 2.799       | -0.004 |
| 335      | 50       | Bias                | 2.799      | 2.795       | -0.004 |
| 336      | 50       | Bias                | 2.807      | 2.809       | 0.002  |
| 337      | 50       | Bias                | 2.801      | 2.795       | -0.006 |
| 338      | 50       | Unbiased            | 2.807      | 2.805       | -0.002 |
| 339      | 50       | Unbiased            | 2.805      | 2.801       | -0.004 |
| 340      | 50       | Unbiased            | 2.809      | 2.807       | -0.002 |
| 341      | 50       | Unbiased            | 2.812      | 2.807       | -0.005 |
| 342      | 50       | Unbiased            | 2.809      | 2.805       | -0.004 |
| 343      | 100      | Bias                | 2.811      | 2.799       | -0.012 |
| 344      | 100      | Bias                | 2.797      | 2.787       | -0.01  |
| 345      | 100      | Bias                | 2.814      | 2.795       | -0.019 |
| 346      | 100      | Bias                | 2.799      | 2.789       | -0.01  |
| 347      | 100      | Bias                | 2.803      | 2.795       | -0.008 |
| 348      | 100      | Unbiased            | 2.809      | 2.795       | -0.014 |
| 349      | 100      | Unbiased            | 2.795      | 2.795       | 0      |
| 350      | 100      | Unbiased            | 2.801      | 2.801       | 0      |
| 351      | 100      | Unbiased            | 2.807      | 2.803       | -0.004 |
| 352      | 100      | Unbiased            | 2.807      | 2.805       | -0.002 |

Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|-----------|
| 0        | 2.799            | 2.8017           | 2.805            | 0.0030551        | 2.799             | 2.801             | 2.803             | 0.002             | -0.002    | -0.00066667 | 0         | 0.0011547 |
| 3        | 2.791            | 2.8034           | 2.811            | 0.0064498        | 2.791             | 2.8035            | 2.812             | 0.006587          | -0.002    | 0.0001      | 0.002     | 0.0013703 |
| 10       | 2.791            | 2.8038           | 2.814            | 0.006828         | 2.791             | 2.8016            | 2.811             | 0.0067363         | -0.015    | -0.0022     | 0.008     | 0.0059777 |
| 30       | 2.799            | 2.805            | 2.809            | 0.003266         | 2.791             | 2.8012            | 2.811             | 0.0067626         | -0.016    | -0.0038     | 0.002     | 0.0056921 |
| 50       | 2.799            | 2.8061           | 2.812            | 0.0040675        | 2.795             | 2.8026            | 2.809             | 0.004971          | -0.006    | -0.0035     | 0.002     | 0.0023688 |
| 100      | 2.795            | 2.8043           | 2.814            | 0.0062902        | 2.787             | 2.7964            | 2.805             | 0.0057388         | -0.019    | -0.0079     | 0         | 0.0063325 |



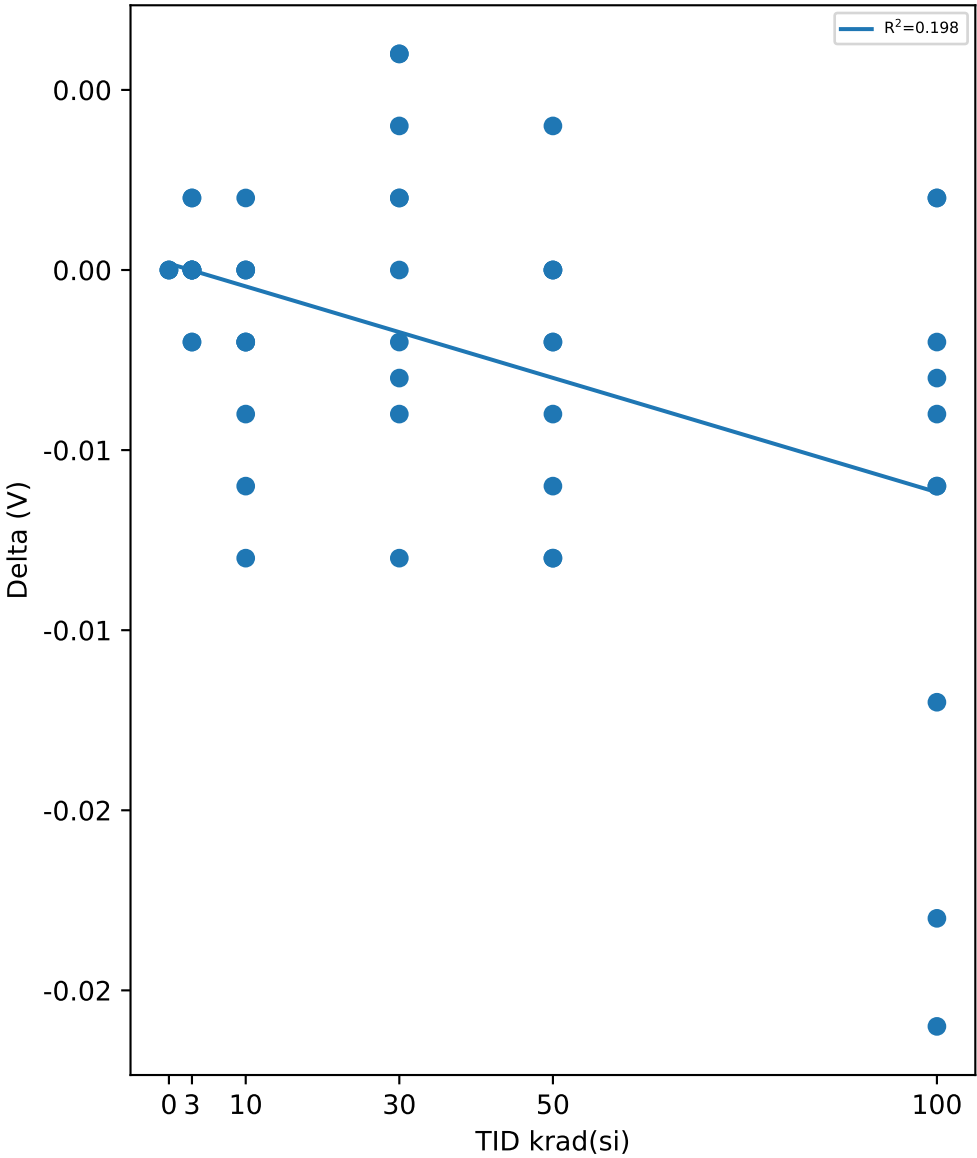
TID vs Result Stats



Test Results (Lower Limit = 2.58, Upper Limit = 2.72 (V))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 2.649      | 2.649       | 0      |
| 301      | 0        | Correlation         | 2.653      | 2.653       | 0      |
| 302      | 0        | Correlation         | 2.643      | 2.643       | 0      |
| 303      | 3        | Bias                | 2.655      | 2.657       | 0.002  |
| 304      | 3        | Bias                | 2.653      | 2.651       | -0.002 |
| 305      | 3        | Bias                | 2.643      | 2.643       | 0      |
| 306      | 3        | Bias                | 2.661      | 2.661       | 0      |
| 307      | 3        | Bias                | 2.651      | 2.651       | 0      |
| 308      | 3        | Unbiased            | 2.647      | 2.647       | 0      |
| 309      | 3        | Unbiased            | 2.643      | 2.645       | 0.002  |
| 310      | 3        | Unbiased            | 2.657      | 2.655       | -0.002 |
| 311      | 3        | Unbiased            | 2.649      | 2.649       | 0      |
| 312      | 3        | Unbiased            | 2.647      | 2.647       | 0      |
| 313      | 10       | Bias                | 2.657      | 2.657       | 0      |
| 314      | 10       | Bias                | 2.642      | 2.64        | -0.002 |
| 315      | 10       | Bias                | 2.657      | 2.653       | -0.004 |
| 316      | 10       | Bias                | 2.653      | 2.651       | -0.002 |
| 317      | 10       | Bias                | 2.642      | 2.636       | -0.006 |
| 318      | 10       | Unbiased            | 2.657      | 2.655       | -0.002 |
| 319      | 10       | Unbiased            | 2.661      | 2.663       | 0.002  |
| 320      | 10       | Unbiased            | 2.651      | 2.651       | 0      |
| 321      | 10       | Unbiased            | 2.653      | 2.645       | -0.008 |
| 322      | 10       | Unbiased            | 2.655      | 2.655       | 0      |
| 323      | 30       | Bias                | 2.645      | 2.642       | -0.003 |
| 324      | 30       | Bias                | 2.651      | 2.657       | 0.006  |
| 325      | 30       | Bias                | 2.651      | 2.647       | -0.004 |
| 326      | 30       | Bias                | 2.653      | 2.659       | 0.006  |
| 327      | 30       | Bias                | 2.649      | 2.651       | 0.002  |
| 328      | 30       | Unbiased            | 2.659      | 2.659       | 0      |
| 329      | 30       | Unbiased            | 2.655      | 2.653       | -0.002 |
| 330      | 30       | Unbiased            | 2.649      | 2.653       | 0.004  |
| 331      | 30       | Unbiased            | 2.655      | 2.647       | -0.008 |
| 332      | 30       | Unbiased            | 2.657      | 2.659       | 0.002  |
| 333      | 50       | Bias                | 2.657      | 2.651       | -0.006 |
| 334      | 50       | Bias                | 2.655      | 2.647       | -0.008 |
| 335      | 50       | Bias                | 2.649      | 2.645       | -0.004 |
| 336      | 50       | Bias                | 2.653      | 2.653       | 0      |
| 337      | 50       | Bias                | 2.653      | 2.645       | -0.008 |
| 338      | 50       | Unbiased            | 2.653      | 2.657       | 0.004  |
| 339      | 50       | Unbiased            | 2.651      | 2.651       | 0      |
| 340      | 50       | Unbiased            | 2.653      | 2.651       | -0.002 |
| 341      | 50       | Unbiased            | 2.659      | 2.657       | -0.002 |
| 342      | 50       | Unbiased            | 2.655      | 2.655       | 0      |
| 343      | 100      | Bias                | 2.661      | 2.643       | -0.018 |
| 344      | 100      | Bias                | 2.655      | 2.634       | -0.021 |
| 345      | 100      | Bias                | 2.659      | 2.647       | -0.012 |
| 346      | 100      | Bias                | 2.645      | 2.642       | -0.003 |
| 347      | 100      | Bias                | 2.649      | 2.643       | -0.006 |
| 348      | 100      | Unbiased            | 2.651      | 2.653       | 0.002  |
| 349      | 100      | Unbiased            | 2.647      | 2.643       | -0.004 |
| 350      | 100      | Unbiased            | 2.649      | 2.643       | -0.006 |
| 351      | 100      | Unbiased            | 2.655      | 2.653       | -0.002 |
| 352      | 100      | Unbiased            | 2.657      | 2.659       | 0.002  |

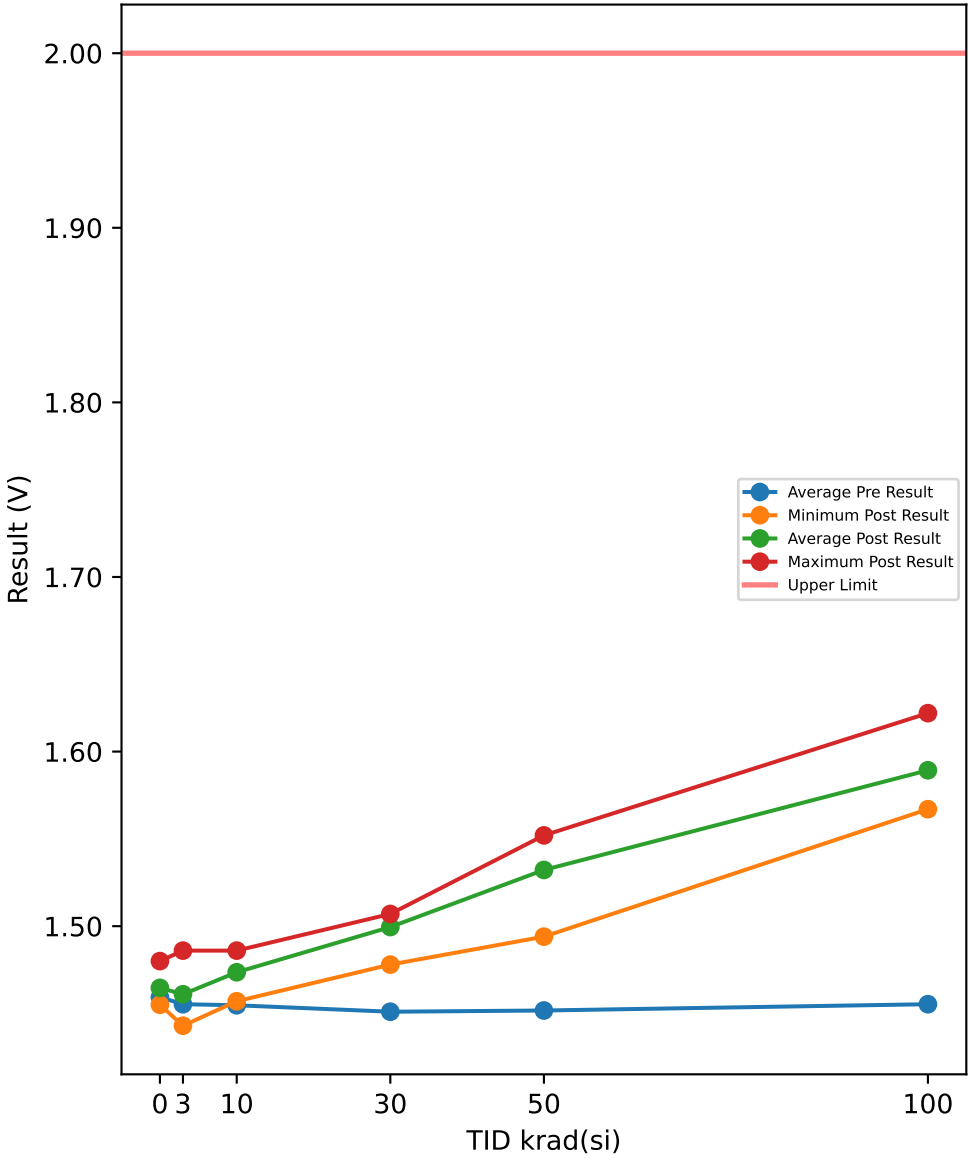
TID vs Post - Pre Exposure Delta



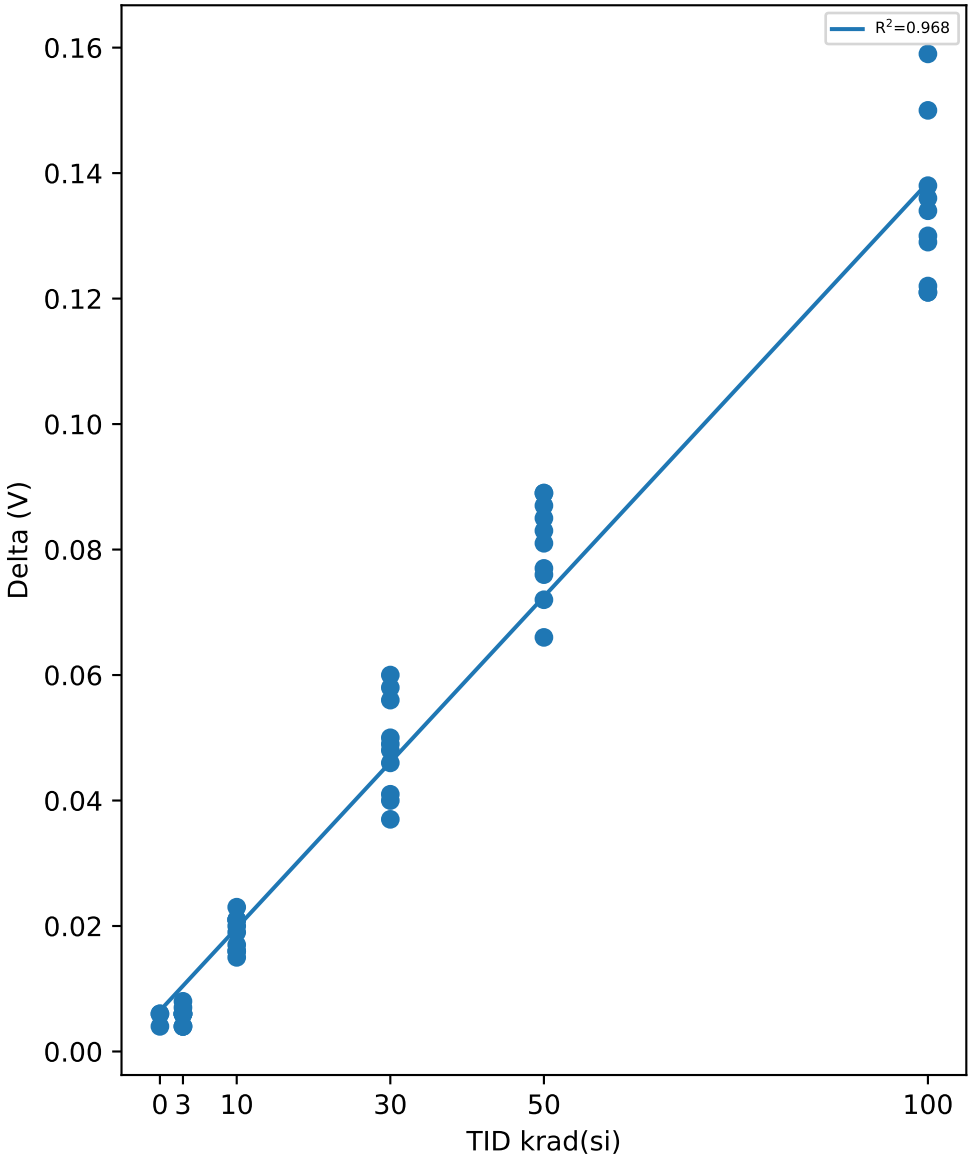
Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 2.643            | 2.6483           | 2.653            | 0.0050332        | 2.643             | 2.6483            | 2.653             | 0.0050332         | 0         | 0         | 0         | 0         |
| 3        | 2.643            | 2.6506           | 2.661            | 0.0059479        | 2.643             | 2.6506            | 2.661             | 0.0056411         | -0.002    | 0         | 0.002     | 0.0013333 |
| 10       | 2.642            | 2.6528           | 2.661            | 0.0063386        | 2.636             | 2.6506            | 2.663             | 0.0081404         | -0.008    | -0.0022   | 0.002     | 0.0030478 |
| 30       | 2.645            | 2.6524           | 2.659            | 0.0042216        | 2.642             | 2.6527            | 2.659             | 0.0059638         | -0.008    | 0.0003    | 0.006     | 0.0045717 |
| 50       | 2.649            | 2.6538           | 2.659            | 0.0028597        | 2.645             | 2.6512            | 2.657             | 0.0044672         | -0.008    | -0.0026   | 0.004     | 0.003893  |
| 100      | 2.645            | 2.6528           | 2.661            | 0.0053707        | 2.634             | 2.646             | 2.659             | 0.0071802         | -0.021    | -0.0068   | 0.002     | 0.0078571 |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 2.0 (V))

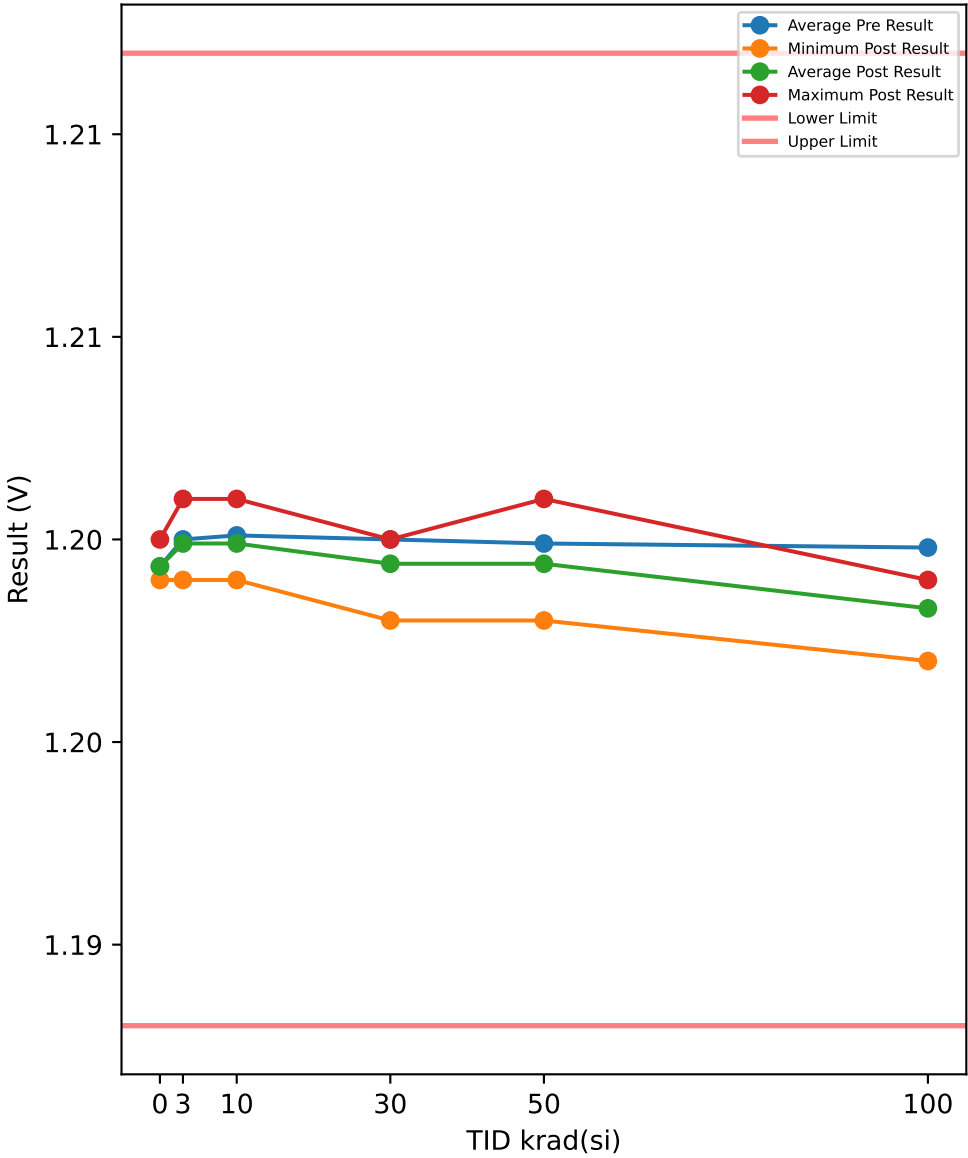
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|----------|----------|---------------------|------------|-------------|-------|
| 300      | 0        | Correlation         | 1.474      | 1.48        | 0.006 |
| 301      | 0        | Correlation         | 1.449      | 1.455       | 0.006 |
| 302      | 0        | Correlation         | 1.455      | 1.459       | 0.004 |
| 303      | 3        | Bias                | 1.48       | 1.486       | 0.006 |
| 304      | 3        | Bias                | 1.437      | 1.443       | 0.006 |
| 305      | 3        | Bias                | 1.453      | 1.459       | 0.006 |
| 306      | 3        | Bias                | 1.457      | 1.461       | 0.004 |
| 307      | 3        | Bias                | 1.445      | 1.453       | 0.008 |
| 308      | 3        | Unbiased            | 1.449      | 1.455       | 0.006 |
| 309      | 3        | Unbiased            | 1.459      | 1.463       | 0.004 |
| 310      | 3        | Unbiased            | 1.459      | 1.466       | 0.007 |
| 311      | 3        | Unbiased            | 1.459      | 1.465       | 0.006 |
| 312      | 3        | Unbiased            | 1.455      | 1.459       | 0.004 |
| 313      | 10       | Bias                | 1.441      | 1.457       | 0.016 |
| 314      | 10       | Bias                | 1.461      | 1.478       | 0.017 |
| 315      | 10       | Bias                | 1.47       | 1.486       | 0.016 |
| 316      | 10       | Bias                | 1.445      | 1.466       | 0.021 |
| 317      | 10       | Bias                | 1.445      | 1.465       | 0.02  |
| 318      | 10       | Unbiased            | 1.453      | 1.472       | 0.019 |
| 319      | 10       | Unbiased            | 1.463      | 1.484       | 0.021 |
| 320      | 10       | Unbiased            | 1.457      | 1.472       | 0.015 |
| 321      | 10       | Unbiased            | 1.457      | 1.478       | 0.021 |
| 322      | 10       | Unbiased            | 1.455      | 1.478       | 0.023 |
| 323      | 30       | Bias                | 1.455      | 1.496       | 0.041 |
| 324      | 30       | Bias                | 1.441      | 1.478       | 0.037 |
| 325      | 30       | Bias                | 1.459      | 1.505       | 0.046 |
| 326      | 30       | Bias                | 1.455      | 1.505       | 0.05  |
| 327      | 30       | Bias                | 1.459      | 1.499       | 0.04  |
| 328      | 30       | Unbiased            | 1.455      | 1.503       | 0.048 |
| 329      | 30       | Unbiased            | 1.447      | 1.496       | 0.049 |
| 330      | 30       | Unbiased            | 1.451      | 1.507       | 0.056 |
| 331      | 30       | Unbiased            | 1.445      | 1.503       | 0.058 |
| 332      | 30       | Unbiased            | 1.443      | 1.503       | 0.06  |
| 333      | 50       | Bias                | 1.422      | 1.494       | 0.072 |
| 334      | 50       | Bias                | 1.457      | 1.523       | 0.066 |
| 335      | 50       | Bias                | 1.465      | 1.552       | 0.087 |
| 336      | 50       | Bias                | 1.455      | 1.536       | 0.081 |
| 337      | 50       | Bias                | 1.451      | 1.536       | 0.085 |
| 338      | 50       | Unbiased            | 1.463      | 1.54        | 0.077 |
| 339      | 50       | Unbiased            | 1.451      | 1.527       | 0.076 |
| 340      | 50       | Unbiased            | 1.455      | 1.538       | 0.083 |
| 341      | 50       | Unbiased            | 1.445      | 1.534       | 0.089 |
| 342      | 50       | Unbiased            | 1.453      | 1.542       | 0.089 |
| 343      | 100      | Bias                | 1.457      | 1.579       | 0.122 |
| 344      | 100      | Bias                | 1.47       | 1.591       | 0.121 |
| 345      | 100      | Bias                | 1.431      | 1.567       | 0.136 |
| 346      | 100      | Bias                | 1.476      | 1.597       | 0.121 |
| 347      | 100      | Bias                | 1.466      | 1.595       | 0.129 |
| 348      | 100      | Unbiased            | 1.445      | 1.579       | 0.134 |
| 349      | 100      | Unbiased            | 1.457      | 1.587       | 0.13  |
| 350      | 100      | Unbiased            | 1.447      | 1.597       | 0.15  |
| 351      | 100      | Unbiased            | 1.463      | 1.622       | 0.159 |
| 352      | 100      | Unbiased            | 1.441      | 1.579       | 0.138 |

Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 1.449            | 1.4593           | 1.474            | 0.013051         | 1.455             | 1.4647            | 1.48              | 0.013429          | 0.004     | 0.0053333 | 0.006     | 0.0011547 |
| 3        | 1.437            | 1.4553           | 1.48             | 0.011255         | 1.443             | 1.461             | 1.486             | 0.011065          | 0.004     | 0.0057    | 0.008     | 0.0013375 |
| 10       | 1.441            | 1.4547           | 1.47             | 0.0090191        | 1.457             | 1.4736            | 1.486             | 0.009021          | 0.015     | 0.0189    | 0.023     | 0.0027264 |
| 30       | 1.441            | 1.451            | 1.459            | 0.0065997        | 1.478             | 1.4995            | 1.507             | 0.008436          | 0.037     | 0.0485    | 0.06      | 0.0078067 |
| 50       | 1.422            | 1.4517           | 1.465            | 0.011945         | 1.494             | 1.5322            | 1.552             | 0.015583          | 0.066     | 0.0805    | 0.089     | 0.007663  |
| 100      | 1.431            | 1.4553           | 1.476            | 0.014119         | 1.567             | 1.5893            | 1.622             | 0.015071          | 0.121     | 0.134     | 0.159     | 0.012579  |

Device Test: 6.14 ; REFCAP

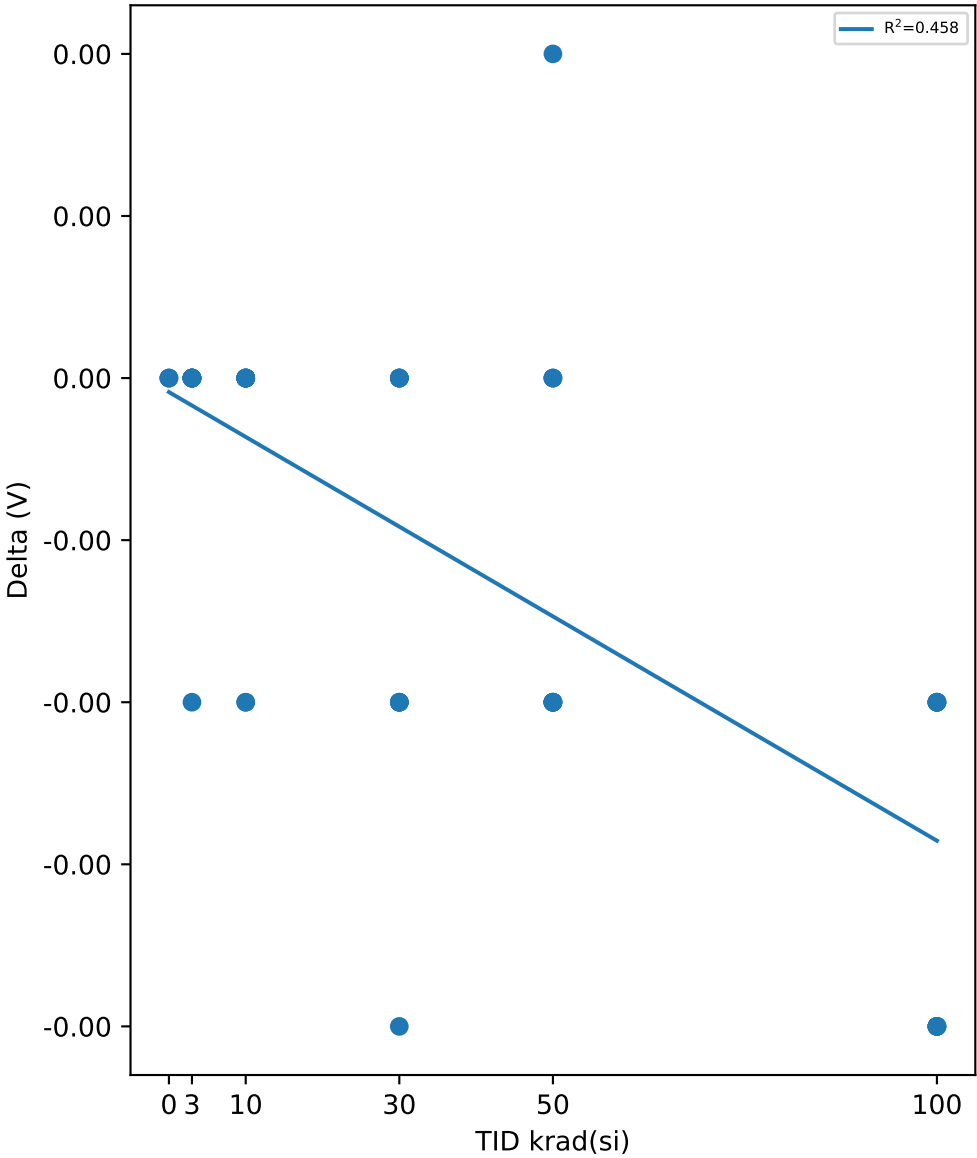
TID vs Result Stats



Test Results (Lower Limit = 1.188, Upper Limit = 1.212 (V))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 1.199      | 1.199       | 0      |
| 301      | 0        | Correlation         | 1.2        | 1.2         | 0      |
| 302      | 0        | Correlation         | 1.199      | 1.199       | 0      |
| 303      | 3        | Bias                | 1.2        | 1.2         | 0      |
| 304      | 3        | Bias                | 1.199      | 1.199       | 0      |
| 305      | 3        | Bias                | 1.201      | 1.201       | 0      |
| 306      | 3        | Bias                | 1.2        | 1.2         | 0      |
| 307      | 3        | Bias                | 1.2        | 1.2         | 0      |
| 308      | 3        | Unbiased            | 1.201      | 1.201       | 0      |
| 309      | 3        | Unbiased            | 1.199      | 1.199       | 0      |
| 310      | 3        | Unbiased            | 1.2        | 1.2         | 0      |
| 311      | 3        | Unbiased            | 1.2        | 1.199       | -0.001 |
| 312      | 3        | Unbiased            | 1.2        | 1.2         | 0      |
| 313      | 10       | Bias                | 1.2        | 1.2         | 0      |
| 314      | 10       | Bias                | 1.2        | 1.2         | 0      |
| 315      | 10       | Bias                | 1.2        | 1.2         | 0      |
| 316      | 10       | Bias                | 1.2        | 1.2         | 0      |
| 317      | 10       | Bias                | 1.2        | 1.199       | -0.001 |
| 318      | 10       | Unbiased            | 1.201      | 1.201       | 0      |
| 319      | 10       | Unbiased            | 1.2        | 1.2         | 0      |
| 320      | 10       | Unbiased            | 1.2        | 1.199       | -0.001 |
| 321      | 10       | Unbiased            | 1.2        | 1.2         | 0      |
| 322      | 10       | Unbiased            | 1.2        | 1.2         | 0      |
| 323      | 30       | Bias                | 1.201      | 1.2         | -0.001 |
| 324      | 30       | Bias                | 1.2        | 1.2         | 0      |
| 325      | 30       | Bias                | 1.201      | 1.199       | -0.002 |
| 326      | 30       | Bias                | 1.199      | 1.199       | 0      |
| 327      | 30       | Bias                | 1.201      | 1.2         | -0.001 |
| 328      | 30       | Unbiased            | 1.2        | 1.2         | 0      |
| 329      | 30       | Unbiased            | 1.199      | 1.199       | 0      |
| 330      | 30       | Unbiased            | 1.201      | 1.2         | -0.001 |
| 331      | 30       | Unbiased            | 1.199      | 1.199       | 0      |
| 332      | 30       | Unbiased            | 1.199      | 1.198       | -0.001 |
| 333      | 50       | Bias                | 1.2        | 1.199       | -0.001 |
| 334      | 50       | Bias                | 1.199      | 1.199       | 0      |
| 335      | 50       | Bias                | 1.2        | 1.199       | -0.001 |
| 336      | 50       | Bias                | 1.2        | 1.199       | -0.001 |
| 337      | 50       | Bias                | 1.201      | 1.2         | -0.001 |
| 338      | 50       | Unbiased            | 1.201      | 1.2         | -0.001 |
| 339      | 50       | Unbiased            | 1.2        | 1.2         | 0      |
| 340      | 50       | Unbiased            | 1.199      | 1.199       | 0      |
| 341      | 50       | Unbiased            | 1.199      | 1.198       | -0.001 |
| 342      | 50       | Unbiased            | 1.2        | 1.201       | 0.001  |
| 343      | 100      | Bias                | 1.2        | 1.198       | -0.002 |
| 344      | 100      | Bias                | 1.2        | 1.198       | -0.002 |
| 345      | 100      | Bias                | 1.2        | 1.199       | -0.001 |
| 346      | 100      | Bias                | 1.199      | 1.197       | -0.002 |
| 347      | 100      | Bias                | 1.2        | 1.199       | -0.001 |
| 348      | 100      | Unbiased            | 1.199      | 1.198       | -0.001 |
| 349      | 100      | Unbiased            | 1.199      | 1.198       | -0.001 |
| 350      | 100      | Unbiased            | 1.201      | 1.199       | -0.002 |
| 351      | 100      | Unbiased            | 1.2        | 1.198       | -0.002 |
| 352      | 100      | Unbiased            | 1.2        | 1.199       | -0.001 |

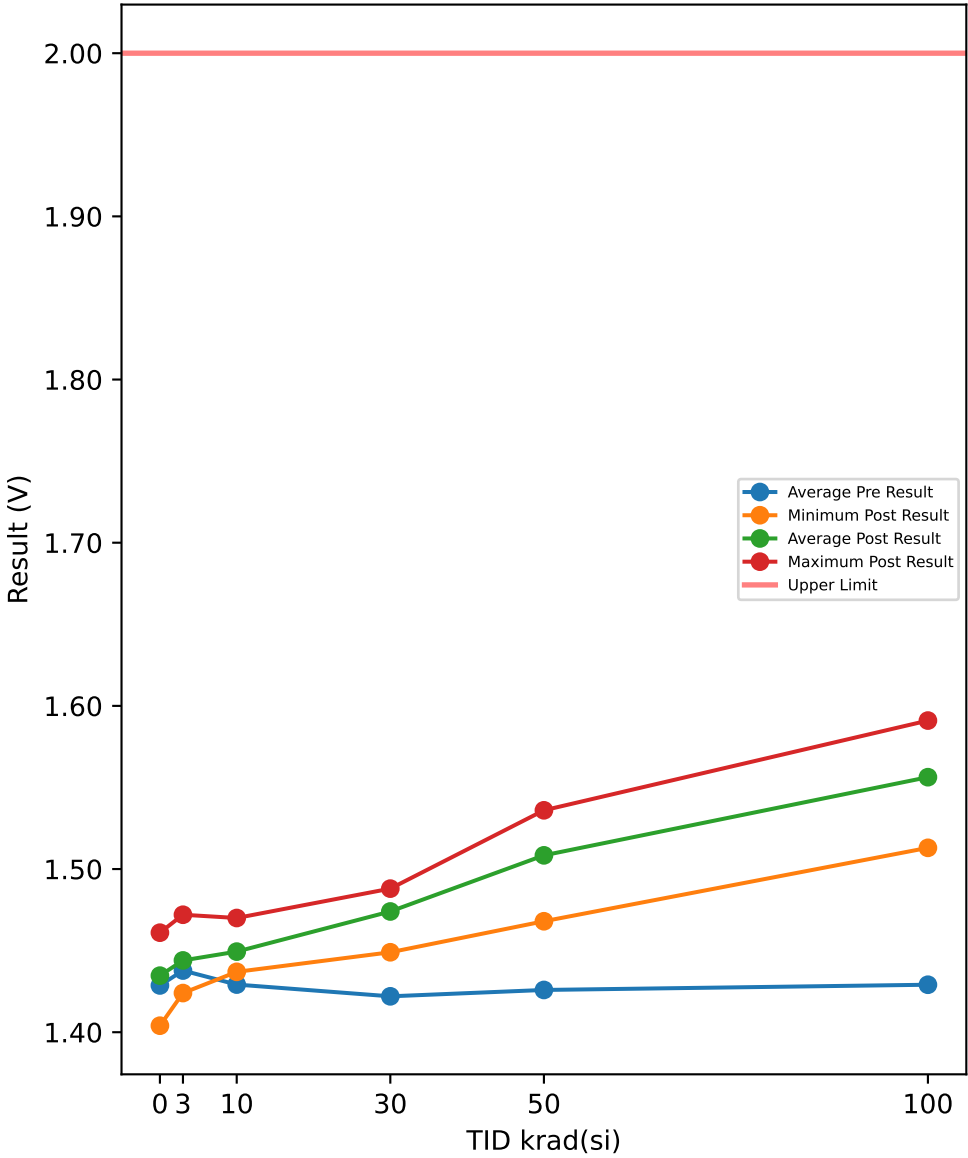
TID vs Post - Pre Exposure Delta



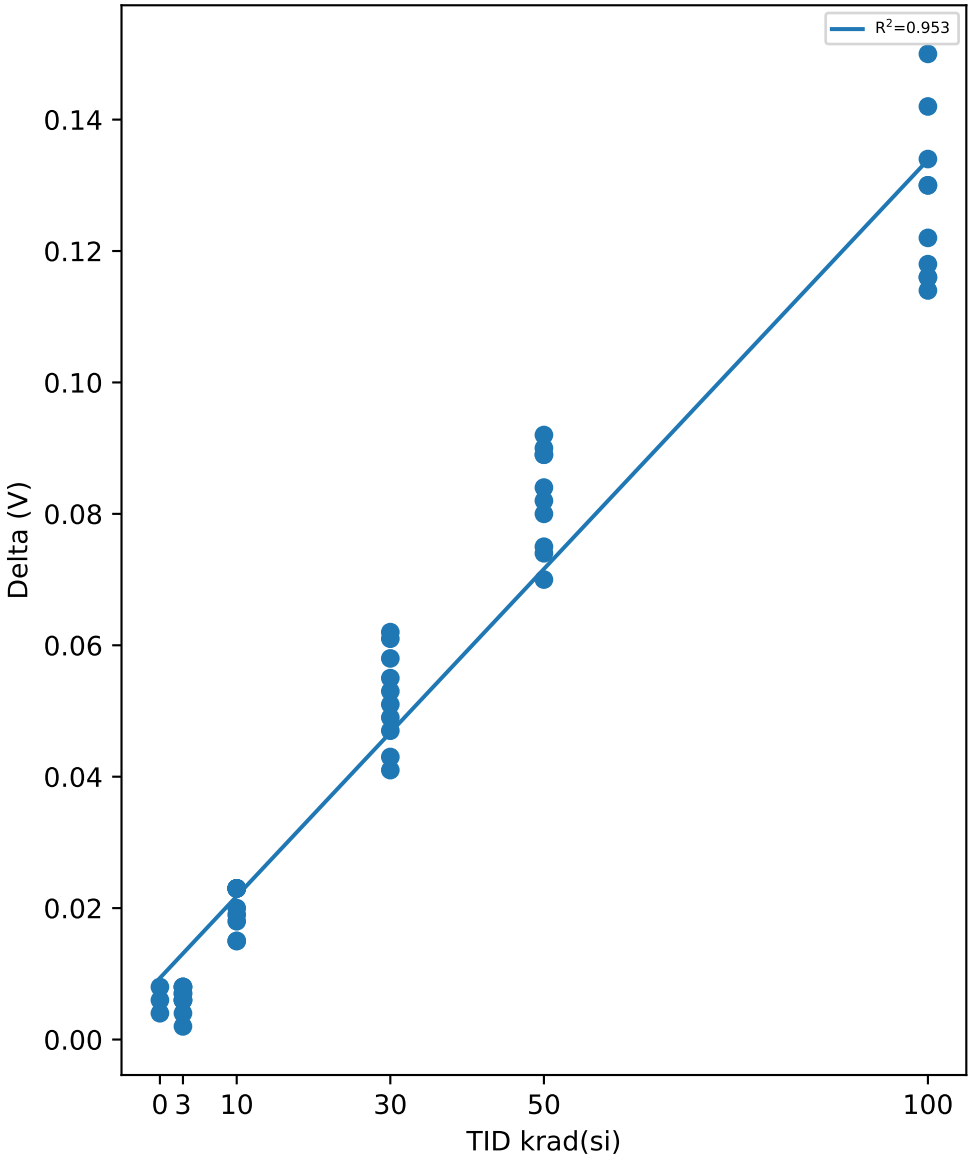
Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| 0        | 1.199            | 1.1993           | 1.2              | 0.00057735       | 1.199             | 1.1993            | 1.2               | 0.00057735        | 0         | 0         | 0         | 0          |
| 3        | 1.199            | 1.2              | 1.201            | 0.00066667       | 1.199             | 1.1999            | 1.201             | 0.00073786        | -0.001    | -0.0001   | 0         | 0.00031623 |
| 10       | 1.2              | 1.2001           | 1.201            | 0.00031623       | 1.199             | 1.1999            | 1.201             | 0.00056765        | -0.001    | -0.0002   | 0         | 0.00042164 |
| 30       | 1.199            | 1.2              | 1.201            | 0.00094281       | 1.198             | 1.1994            | 1.2               | 0.00069921        | -0.002    | -0.0006   | 0         | 0.00069921 |
| 50       | 1.199            | 1.1999           | 1.201            | 0.00073786       | 1.198             | 1.1994            | 1.201             | 0.00084327        | -0.001    | -0.0005   | 0.001     | 0.00070711 |
| 100      | 1.199            | 1.1998           | 1.201            | 0.00063246       | 1.197             | 1.1983            | 1.199             | 0.00067495        | -0.002    | -0.0015   | -0.001    | 0.00052705 |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



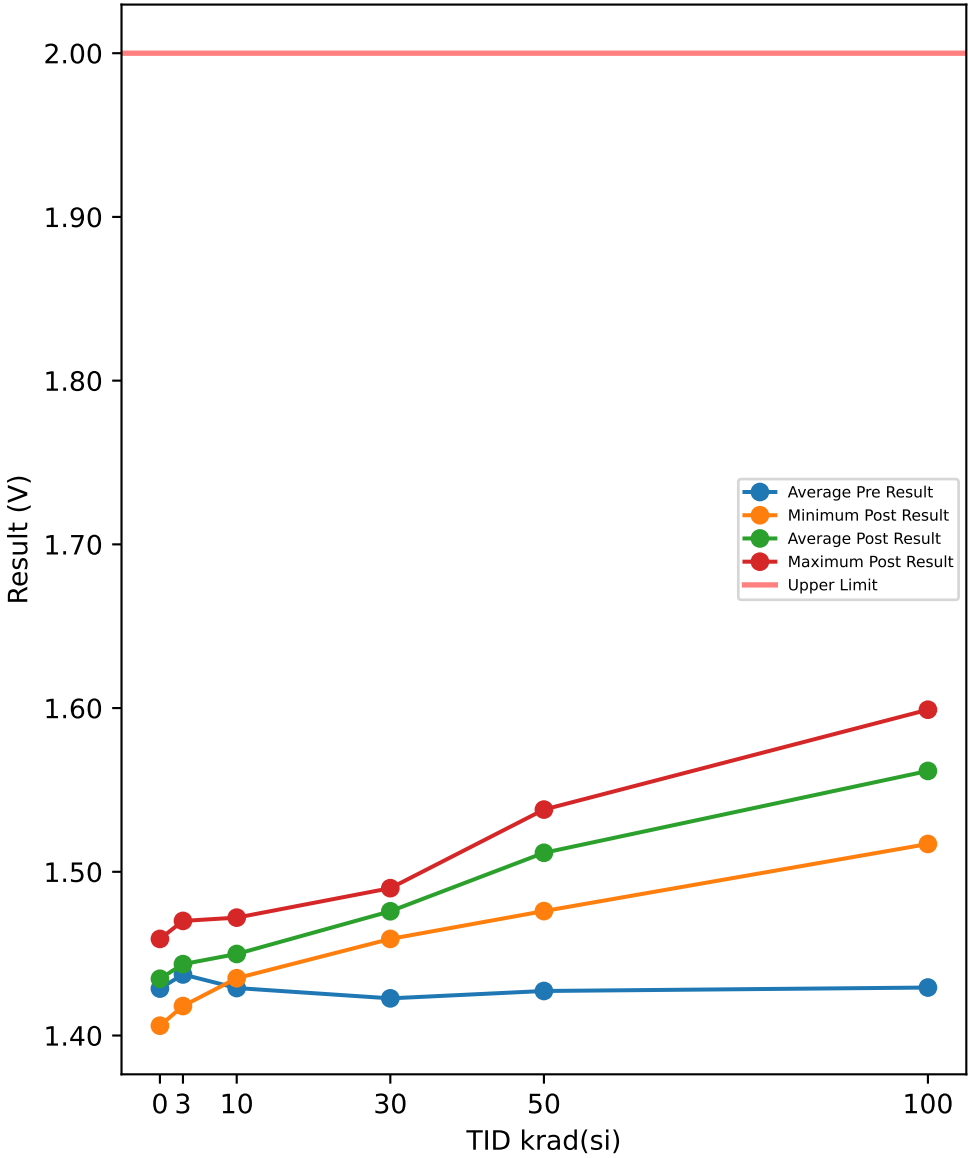
Test Results (Upper Limit = 2.0 (V))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|----------|----------|---------------------|------------|-------------|-------|
| 300      | 0        | Correlation         | 1.453      | 1.461       | 0.008 |
| 301      | 0        | Correlation         | 1.433      | 1.439       | 0.006 |
| 302      | 0        | Correlation         | 1.4        | 1.404       | 0.004 |
| 303      | 3        | Bias                | 1.465      | 1.472       | 0.007 |
| 304      | 3        | Bias                | 1.428      | 1.435       | 0.007 |
| 305      | 3        | Bias                | 1.416      | 1.424       | 0.008 |
| 306      | 3        | Bias                | 1.441      | 1.443       | 0.002 |
| 307      | 3        | Bias                | 1.435      | 1.443       | 0.008 |
| 308      | 3        | Unbiased            | 1.439      | 1.445       | 0.006 |
| 309      | 3        | Unbiased            | 1.435      | 1.439       | 0.004 |
| 310      | 3        | Unbiased            | 1.441      | 1.449       | 0.008 |
| 311      | 3        | Unbiased            | 1.441      | 1.447       | 0.006 |
| 312      | 3        | Unbiased            | 1.437      | 1.443       | 0.006 |
| 313      | 10       | Bias                | 1.424      | 1.439       | 0.015 |
| 314      | 10       | Bias                | 1.431      | 1.449       | 0.018 |
| 315      | 10       | Bias                | 1.433      | 1.453       | 0.02  |
| 316      | 10       | Bias                | 1.424      | 1.447       | 0.023 |
| 317      | 10       | Bias                | 1.422      | 1.445       | 0.023 |
| 318      | 10       | Unbiased            | 1.418      | 1.437       | 0.019 |
| 319      | 10       | Unbiased            | 1.447      | 1.47        | 0.023 |
| 320      | 10       | Unbiased            | 1.424      | 1.439       | 0.015 |
| 321      | 10       | Unbiased            | 1.422      | 1.445       | 0.023 |
| 322      | 10       | Unbiased            | 1.447      | 1.47        | 0.023 |
| 323      | 30       | Bias                | 1.441      | 1.484       | 0.043 |
| 324      | 30       | Bias                | 1.424      | 1.465       | 0.041 |
| 325      | 30       | Bias                | 1.398      | 1.449       | 0.051 |
| 326      | 30       | Bias                | 1.431      | 1.486       | 0.055 |
| 327      | 30       | Bias                | 1.439      | 1.486       | 0.047 |
| 328      | 30       | Unbiased            | 1.416      | 1.465       | 0.049 |
| 329      | 30       | Unbiased            | 1.435      | 1.488       | 0.053 |
| 330      | 30       | Unbiased            | 1.4        | 1.461       | 0.061 |
| 331      | 30       | Unbiased            | 1.424      | 1.482       | 0.058 |
| 332      | 30       | Unbiased            | 1.412      | 1.474       | 0.062 |
| 333      | 50       | Bias                | 1.397      | 1.472       | 0.075 |
| 334      | 50       | Bias                | 1.398      | 1.468       | 0.07  |
| 335      | 50       | Bias                | 1.447      | 1.536       | 0.089 |
| 336      | 50       | Bias                | 1.441      | 1.525       | 0.084 |
| 337      | 50       | Bias                | 1.416      | 1.505       | 0.089 |
| 338      | 50       | Unbiased            | 1.445      | 1.525       | 0.08  |
| 339      | 50       | Unbiased            | 1.412      | 1.486       | 0.074 |
| 340      | 50       | Unbiased            | 1.437      | 1.519       | 0.082 |
| 341      | 50       | Unbiased            | 1.435      | 1.527       | 0.092 |
| 342      | 50       | Unbiased            | 1.431      | 1.521       | 0.09  |
| 343      | 100      | Bias                | 1.418      | 1.534       | 0.116 |
| 344      | 100      | Bias                | 1.43       | 1.548       | 0.118 |
| 345      | 100      | Bias                | 1.422      | 1.556       | 0.134 |
| 346      | 100      | Bias                | 1.459      | 1.573       | 0.114 |
| 347      | 100      | Bias                | 1.426      | 1.542       | 0.116 |
| 348      | 100      | Unbiased            | 1.43       | 1.56        | 0.13  |
| 349      | 100      | Unbiased            | 1.441      | 1.571       | 0.13  |
| 350      | 100      | Unbiased            | 1.433      | 1.575       | 0.142 |
| 351      | 100      | Unbiased            | 1.441      | 1.591       | 0.15  |
| 352      | 100      | Unbiased            | 1.391      | 1.513       | 0.122 |

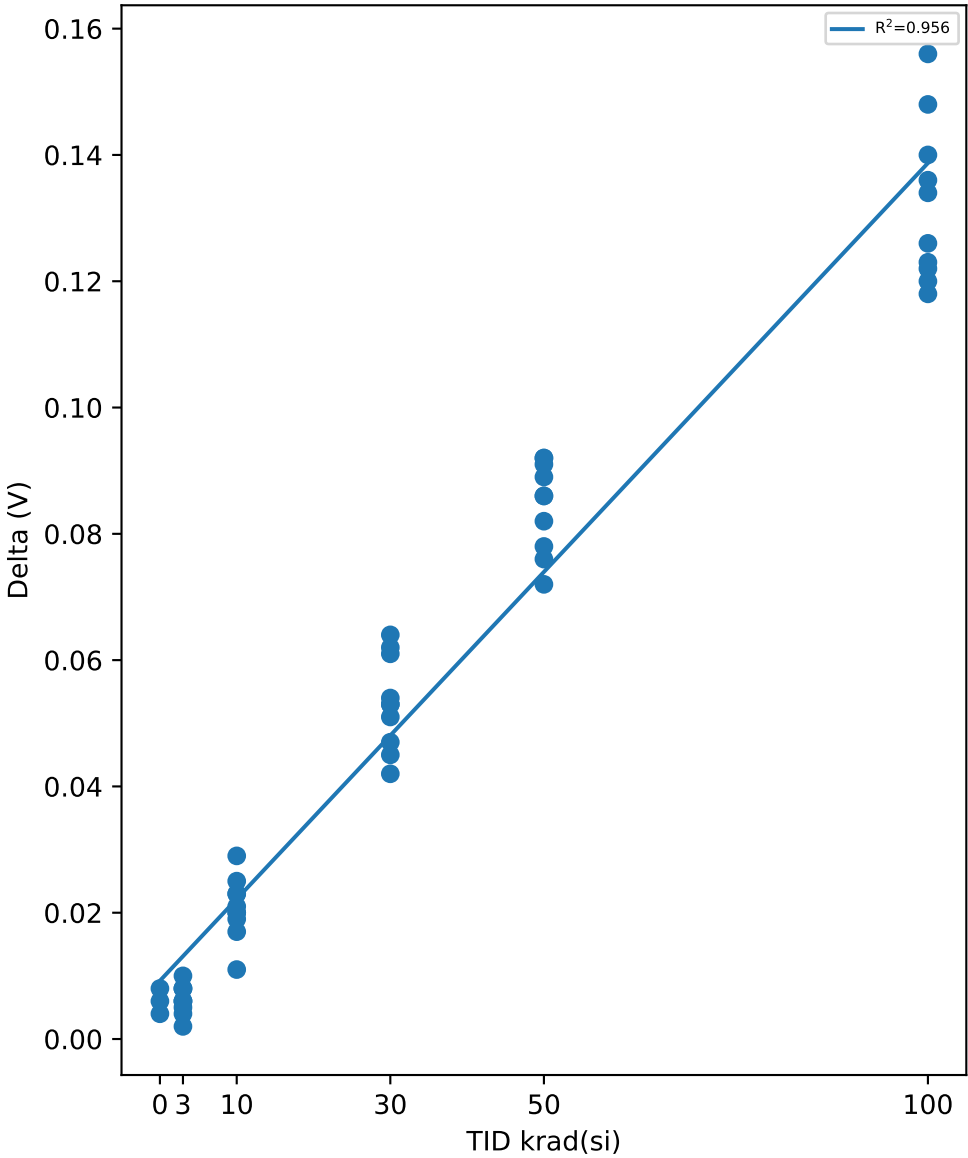
Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 1.4              | 1.4287           | 1.453            | 0.026764         | 1.404             | 1.4347            | 1.461             | 0.028746          | 0.004     | 0.006     | 0.008     | 0.002     |
| 3        | 1.416            | 1.4378           | 1.465            | 0.012291         | 1.424             | 1.444             | 1.472             | 0.012147          | 0.002     | 0.0062    | 0.008     | 0.0019322 |
| 10       | 1.418            | 1.4292           | 1.447            | 0.010337         | 1.437             | 1.4494            | 1.47              | 0.011909          | 0.015     | 0.0202    | 0.023     | 0.0033267 |
| 30       | 1.398            | 1.422            | 1.441            | 0.01529          | 1.449             | 1.474             | 1.488             | 0.01335           | 0.041     | 0.052     | 0.062     | 0.0071802 |
| 50       | 1.397            | 1.4259           | 1.447            | 0.018782         | 1.468             | 1.5084            | 1.536             | 0.024496          | 0.07      | 0.0825    | 0.092     | 0.007634  |
| 100      | 1.391            | 1.4291           | 1.459            | 0.017729         | 1.513             | 1.5563            | 1.591             | 0.022872          | 0.114     | 0.1272    | 0.15      | 0.012191  |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 2.0 (V))

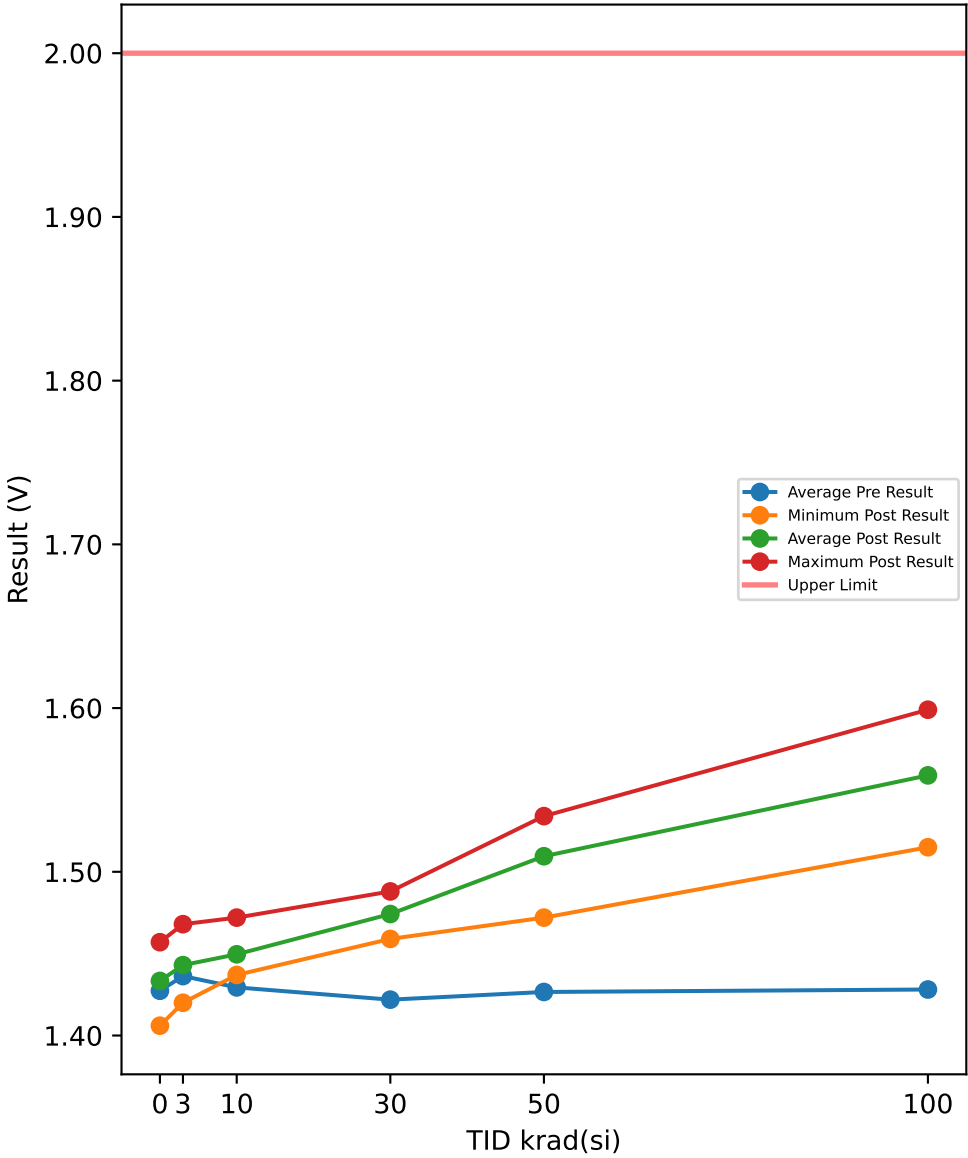
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|----------|----------|---------------------|------------|-------------|-------|
| 300      | 0        | Correlation         | 1.451      | 1.459       | 0.008 |
| 301      | 0        | Correlation         | 1.433      | 1.439       | 0.006 |
| 302      | 0        | Correlation         | 1.402      | 1.406       | 0.004 |
| 303      | 3        | Bias                | 1.465      | 1.47        | 0.005 |
| 304      | 3        | Bias                | 1.431      | 1.439       | 0.008 |
| 305      | 3        | Bias                | 1.41       | 1.418       | 0.008 |
| 306      | 3        | Bias                | 1.443      | 1.445       | 0.002 |
| 307      | 3        | Bias                | 1.433      | 1.443       | 0.01  |
| 308      | 3        | Unbiased            | 1.439      | 1.445       | 0.006 |
| 309      | 3        | Unbiased            | 1.435      | 1.439       | 0.004 |
| 310      | 3        | Unbiased            | 1.441      | 1.447       | 0.006 |
| 311      | 3        | Unbiased            | 1.439      | 1.447       | 0.008 |
| 312      | 3        | Unbiased            | 1.437      | 1.443       | 0.006 |
| 313      | 10       | Bias                | 1.426      | 1.443       | 0.017 |
| 314      | 10       | Bias                | 1.433      | 1.453       | 0.02  |
| 315      | 10       | Bias                | 1.431      | 1.451       | 0.02  |
| 316      | 10       | Bias                | 1.424      | 1.447       | 0.023 |
| 317      | 10       | Bias                | 1.422      | 1.445       | 0.023 |
| 318      | 10       | Unbiased            | 1.418      | 1.437       | 0.019 |
| 319      | 10       | Unbiased            | 1.447      | 1.468       | 0.021 |
| 320      | 10       | Unbiased            | 1.424      | 1.435       | 0.011 |
| 321      | 10       | Unbiased            | 1.418      | 1.447       | 0.029 |
| 322      | 10       | Unbiased            | 1.447      | 1.472       | 0.025 |
| 323      | 30       | Bias                | 1.441      | 1.486       | 0.045 |
| 324      | 30       | Bias                | 1.424      | 1.466       | 0.042 |
| 325      | 30       | Bias                | 1.406      | 1.459       | 0.053 |
| 326      | 30       | Bias                | 1.43       | 1.484       | 0.054 |
| 327      | 30       | Bias                | 1.435      | 1.482       | 0.047 |
| 328      | 30       | Unbiased            | 1.414      | 1.465       | 0.051 |
| 329      | 30       | Unbiased            | 1.435      | 1.488       | 0.053 |
| 330      | 30       | Unbiased            | 1.404      | 1.465       | 0.061 |
| 331      | 30       | Unbiased            | 1.428      | 1.49        | 0.062 |
| 332      | 30       | Unbiased            | 1.41       | 1.474       | 0.064 |
| 333      | 50       | Bias                | 1.398      | 1.476       | 0.078 |
| 334      | 50       | Bias                | 1.404      | 1.476       | 0.072 |
| 335      | 50       | Bias                | 1.447      | 1.538       | 0.091 |
| 336      | 50       | Bias                | 1.443      | 1.529       | 0.086 |
| 337      | 50       | Bias                | 1.418      | 1.507       | 0.089 |
| 338      | 50       | Unbiased            | 1.445      | 1.527       | 0.082 |
| 339      | 50       | Unbiased            | 1.41       | 1.486       | 0.076 |
| 340      | 50       | Unbiased            | 1.437      | 1.523       | 0.086 |
| 341      | 50       | Unbiased            | 1.437      | 1.529       | 0.092 |
| 342      | 50       | Unbiased            | 1.433      | 1.525       | 0.092 |
| 343      | 100      | Bias                | 1.414      | 1.532       | 0.118 |
| 344      | 100      | Bias                | 1.435      | 1.558       | 0.123 |
| 345      | 100      | Bias                | 1.422      | 1.562       | 0.14  |
| 346      | 100      | Bias                | 1.463      | 1.585       | 0.122 |
| 347      | 100      | Bias                | 1.422      | 1.542       | 0.12  |
| 348      | 100      | Unbiased            | 1.431      | 1.567       | 0.136 |
| 349      | 100      | Unbiased            | 1.439      | 1.573       | 0.134 |
| 350      | 100      | Unbiased            | 1.433      | 1.581       | 0.148 |
| 351      | 100      | Unbiased            | 1.443      | 1.599       | 0.156 |
| 352      | 100      | Unbiased            | 1.391      | 1.517       | 0.126 |

Test Statistics (V)

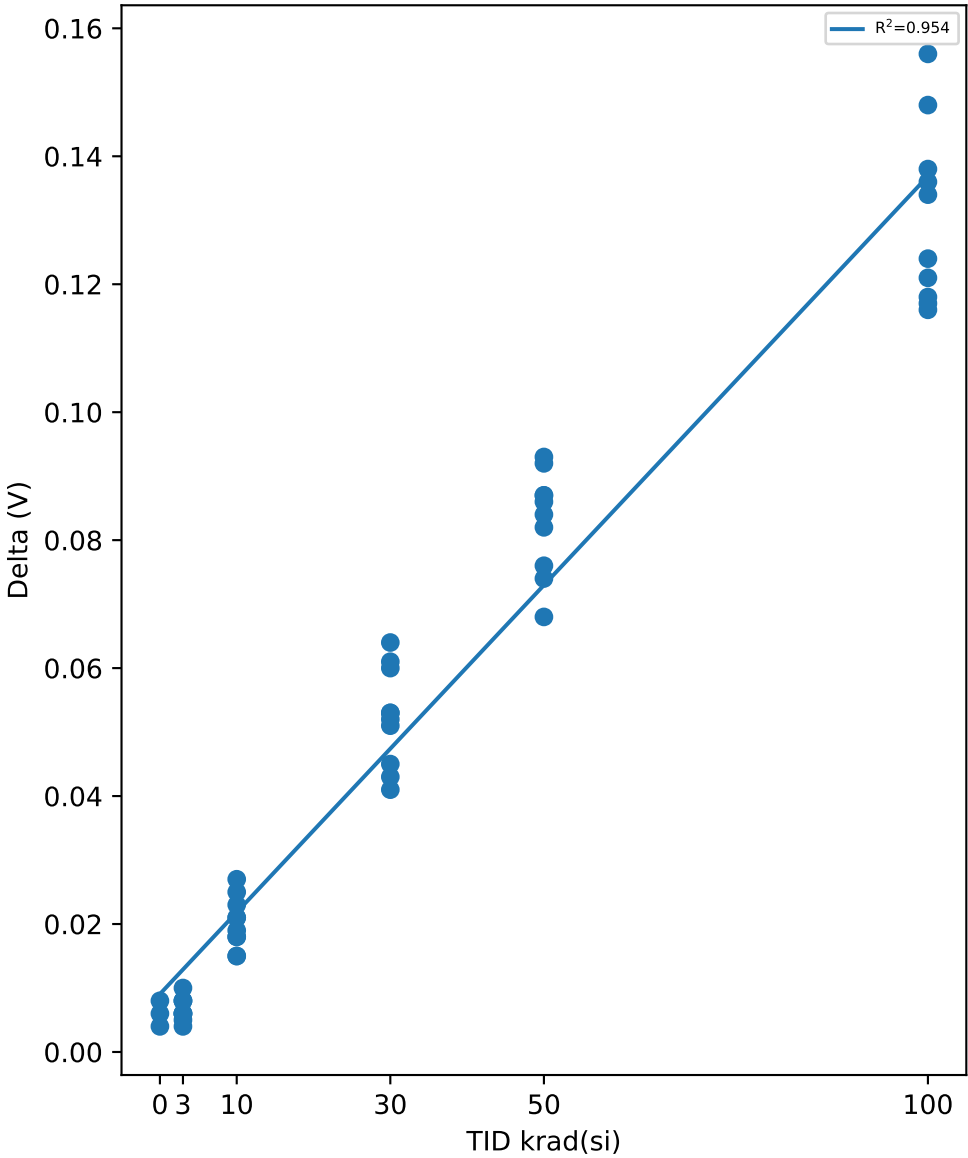
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 1.402            | 1.4287           | 1.451            | 0.024786         | 1.406             | 1.4347            | 1.459             | 0.026764          | 0.004     | 0.006     | 0.008     | 0.002     |
| 3        | 1.41             | 1.4373           | 1.465            | 0.01345          | 1.418             | 1.4436            | 1.47              | 0.012572          | 0.002     | 0.0063    | 0.01      | 0.0023118 |
| 10       | 1.418            | 1.429            | 1.447            | 0.010635         | 1.435             | 1.4498            | 1.472             | 0.012035          | 0.011     | 0.0208    | 0.029     | 0.0048259 |
| 30       | 1.404            | 1.4227           | 1.441            | 0.013275         | 1.459             | 1.4759            | 1.49              | 0.011426          | 0.042     | 0.0532    | 0.064     | 0.0073907 |
| 50       | 1.398            | 1.4272           | 1.447            | 0.018122         | 1.476             | 1.5116            | 1.538             | 0.023712          | 0.072     | 0.0844    | 0.092     | 0.0071212 |
| 100      | 1.391            | 1.4293           | 1.463            | 0.019073         | 1.517             | 1.5616            | 1.599             | 0.025264          | 0.118     | 0.1323    | 0.156     | 0.012789  |



TID vs Result Stats



TID vs Post - Pre Exposure Delta



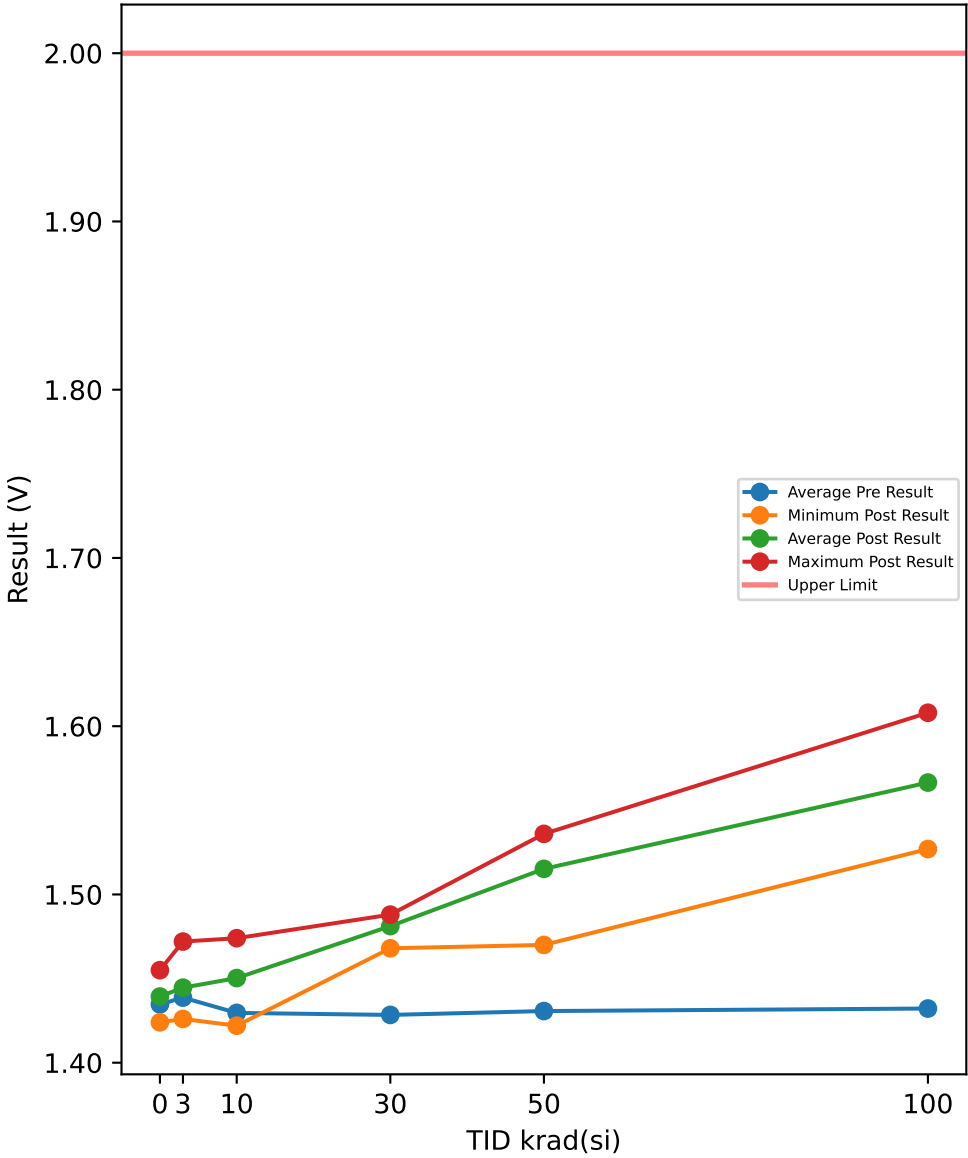
Test Results (Upper Limit = 2.0 (V))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|----------|----------|---------------------|------------|-------------|-------|
| 300      | 0        | Correlation         | 1.449      | 1.457       | 0.008 |
| 301      | 0        | Correlation         | 1.431      | 1.437       | 0.006 |
| 302      | 0        | Correlation         | 1.402      | 1.406       | 0.004 |
| 303      | 3        | Bias                | 1.463      | 1.468       | 0.005 |
| 304      | 3        | Bias                | 1.431      | 1.439       | 0.008 |
| 305      | 3        | Bias                | 1.412      | 1.42        | 0.008 |
| 306      | 3        | Bias                | 1.441      | 1.445       | 0.004 |
| 307      | 3        | Bias                | 1.433      | 1.443       | 0.01  |
| 308      | 3        | Unbiased            | 1.437      | 1.443       | 0.006 |
| 309      | 3        | Unbiased            | 1.433      | 1.439       | 0.006 |
| 310      | 3        | Unbiased            | 1.441      | 1.447       | 0.006 |
| 311      | 3        | Unbiased            | 1.437      | 1.445       | 0.008 |
| 312      | 3        | Unbiased            | 1.435      | 1.441       | 0.006 |
| 313      | 10       | Bias                | 1.426      | 1.441       | 0.015 |
| 314      | 10       | Bias                | 1.433      | 1.451       | 0.018 |
| 315      | 10       | Bias                | 1.433      | 1.451       | 0.018 |
| 316      | 10       | Bias                | 1.424      | 1.447       | 0.023 |
| 317      | 10       | Bias                | 1.424      | 1.445       | 0.021 |
| 318      | 10       | Unbiased            | 1.42       | 1.439       | 0.019 |
| 319      | 10       | Unbiased            | 1.447      | 1.468       | 0.021 |
| 320      | 10       | Unbiased            | 1.422      | 1.437       | 0.015 |
| 321      | 10       | Unbiased            | 1.418      | 1.445       | 0.027 |
| 322      | 10       | Unbiased            | 1.447      | 1.472       | 0.025 |
| 323      | 30       | Bias                | 1.441      | 1.484       | 0.043 |
| 324      | 30       | Bias                | 1.424      | 1.465       | 0.041 |
| 325      | 30       | Bias                | 1.406      | 1.459       | 0.053 |
| 326      | 30       | Bias                | 1.43       | 1.482       | 0.052 |
| 327      | 30       | Bias                | 1.435      | 1.48        | 0.045 |
| 328      | 30       | Unbiased            | 1.412      | 1.463       | 0.051 |
| 329      | 30       | Unbiased            | 1.433      | 1.486       | 0.053 |
| 330      | 30       | Unbiased            | 1.402      | 1.463       | 0.061 |
| 331      | 30       | Unbiased            | 1.428      | 1.488       | 0.06  |
| 332      | 30       | Unbiased            | 1.408      | 1.472       | 0.064 |
| 333      | 50       | Bias                | 1.398      | 1.472       | 0.074 |
| 334      | 50       | Bias                | 1.406      | 1.474       | 0.068 |
| 335      | 50       | Bias                | 1.447      | 1.534       | 0.087 |
| 336      | 50       | Bias                | 1.441      | 1.525       | 0.084 |
| 337      | 50       | Bias                | 1.414      | 1.501       | 0.087 |
| 338      | 50       | Unbiased            | 1.445      | 1.527       | 0.082 |
| 339      | 50       | Unbiased            | 1.406      | 1.482       | 0.076 |
| 340      | 50       | Unbiased            | 1.437      | 1.523       | 0.086 |
| 341      | 50       | Unbiased            | 1.439      | 1.532       | 0.093 |
| 342      | 50       | Unbiased            | 1.433      | 1.525       | 0.092 |
| 343      | 100      | Bias                | 1.41       | 1.527       | 0.117 |
| 344      | 100      | Bias                | 1.435      | 1.556       | 0.121 |
| 345      | 100      | Bias                | 1.422      | 1.56        | 0.138 |
| 346      | 100      | Bias                | 1.461      | 1.579       | 0.118 |
| 347      | 100      | Bias                | 1.416      | 1.532       | 0.116 |
| 348      | 100      | Unbiased            | 1.431      | 1.567       | 0.136 |
| 349      | 100      | Unbiased            | 1.441      | 1.575       | 0.134 |
| 350      | 100      | Unbiased            | 1.431      | 1.579       | 0.148 |
| 351      | 100      | Unbiased            | 1.443      | 1.599       | 0.156 |
| 352      | 100      | Unbiased            | 1.391      | 1.515       | 0.124 |

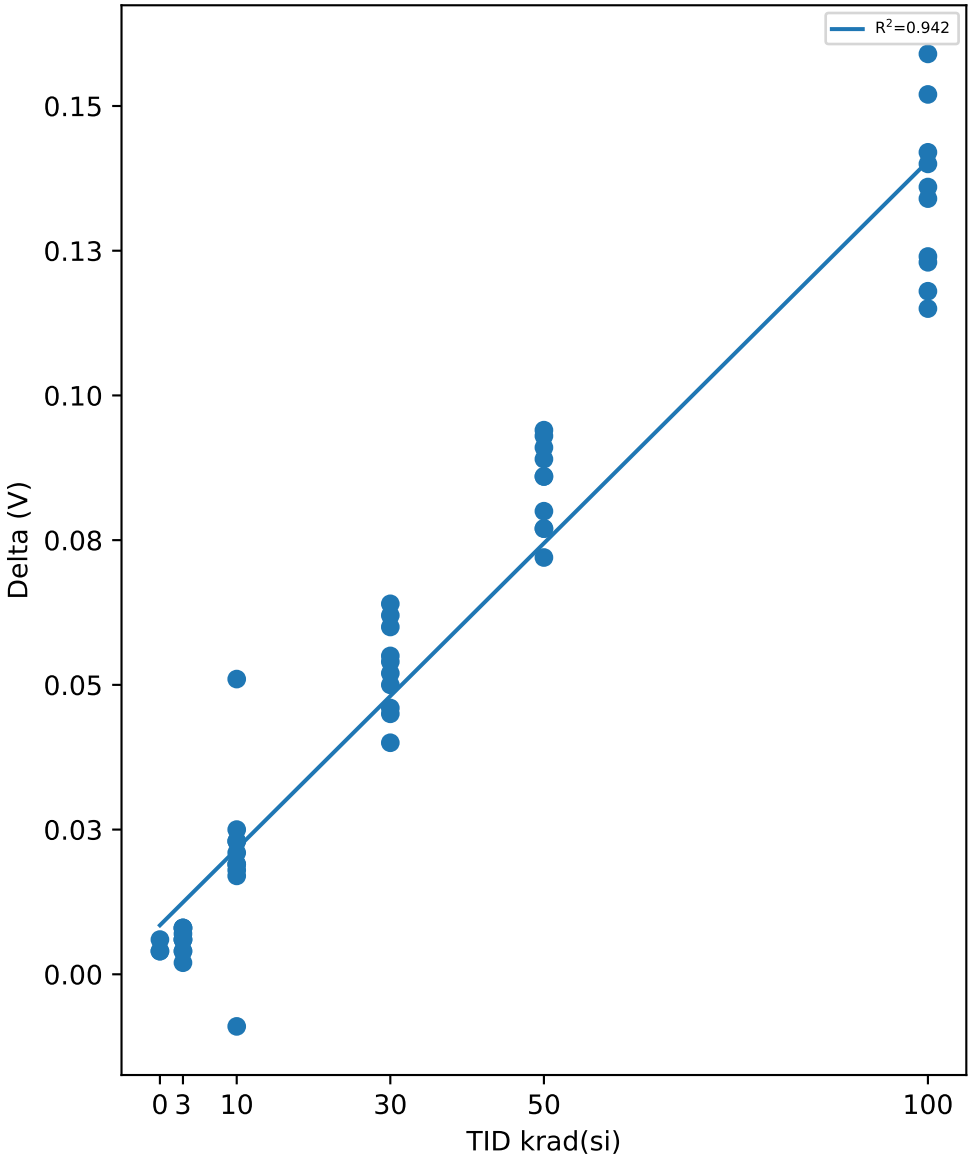
Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 1.402            | 1.4273           | 1.449            | 0.023714         | 1.406             | 1.4333            | 1.457             | 0.025697          | 0.004     | 0.006     | 0.008     | 0.002     |
| 3        | 1.412            | 1.4363           | 1.463            | 0.012473         | 1.42              | 1.443             | 1.468             | 0.011614          | 0.004     | 0.0067    | 0.01      | 0.001767  |
| 10       | 1.418            | 1.4294           | 1.447            | 0.01048          | 1.437             | 1.4496            | 1.472             | 0.01173           | 0.015     | 0.0202    | 0.027     | 0.0039944 |
| 30       | 1.402            | 1.4219           | 1.441            | 0.013772         | 1.459             | 1.4742            | 1.488             | 0.011013          | 0.041     | 0.0523    | 0.064     | 0.007761  |
| 50       | 1.398            | 1.4266           | 1.447            | 0.01853          | 1.472             | 1.5095            | 1.534             | 0.024879          | 0.068     | 0.0829    | 0.093     | 0.0080201 |
| 100      | 1.391            | 1.4281           | 1.461            | 0.019502         | 1.515             | 1.5589            | 1.599             | 0.026706          | 0.116     | 0.1308    | 0.156     | 0.013887  |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



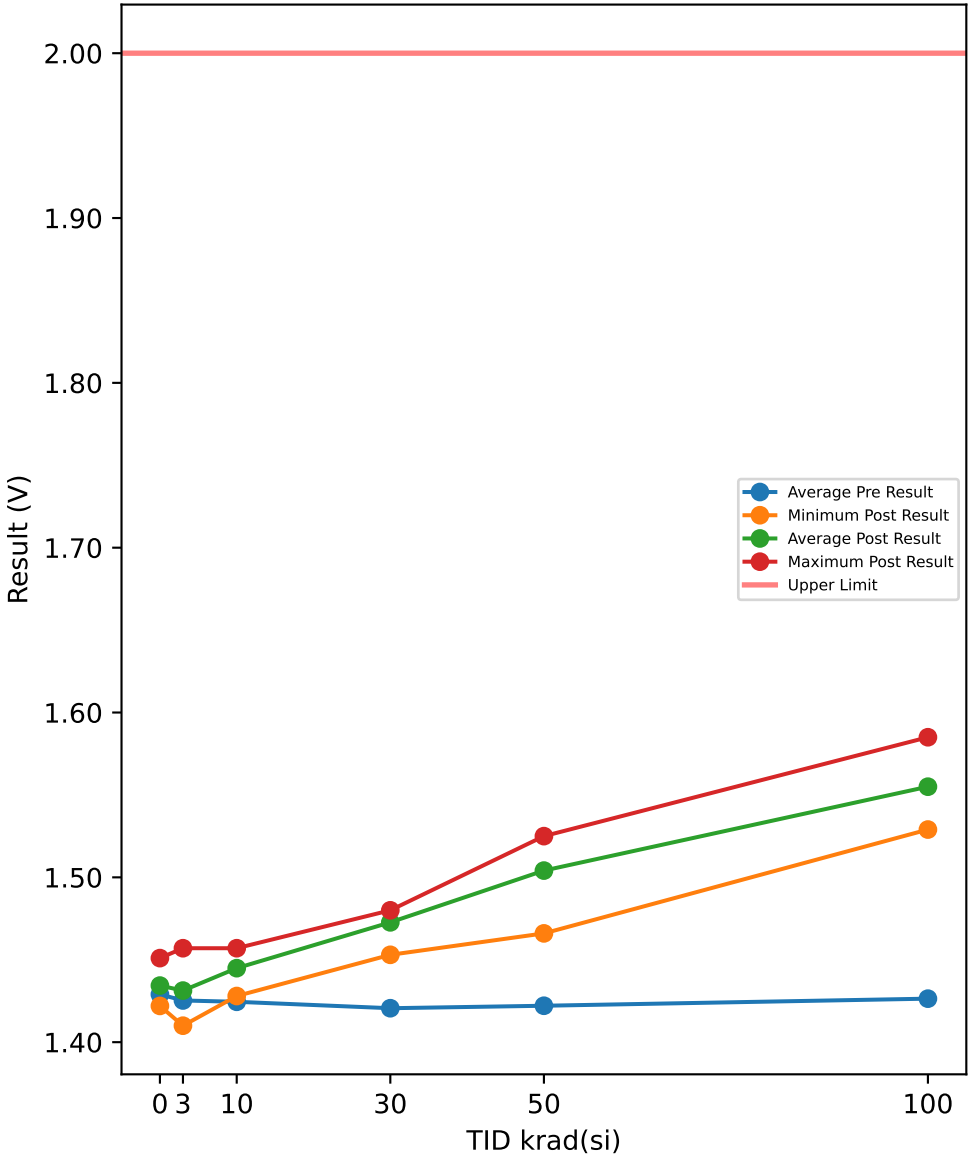
Test Results (Upper Limit = 2.0 (V))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 1.449      | 1.455       | 0.006  |
| 301      | 0        | Correlation         | 1.435      | 1.439       | 0.004  |
| 302      | 0        | Correlation         | 1.42       | 1.424       | 0.004  |
| 303      | 3        | Bias                | 1.466      | 1.472       | 0.006  |
| 304      | 3        | Bias                | 1.43       | 1.437       | 0.007  |
| 305      | 3        | Bias                | 1.418      | 1.426       | 0.008  |
| 306      | 3        | Bias                | 1.441      | 1.443       | 0.002  |
| 307      | 3        | Bias                | 1.435      | 1.443       | 0.008  |
| 308      | 3        | Unbiased            | 1.439      | 1.443       | 0.004  |
| 309      | 3        | Unbiased            | 1.435      | 1.439       | 0.004  |
| 310      | 3        | Unbiased            | 1.441      | 1.447       | 0.006  |
| 311      | 3        | Unbiased            | 1.441      | 1.449       | 0.008  |
| 312      | 3        | Unbiased            | 1.441      | 1.447       | 0.006  |
| 313      | 10       | Bias                | 1.424      | 1.441       | 0.017  |
| 314      | 10       | Bias                | 1.443      | 1.461       | 0.018  |
| 315      | 10       | Bias                | 1.426      | 1.445       | 0.019  |
| 316      | 10       | Bias                | 1.42       | 1.443       | 0.023  |
| 317      | 10       | Bias                | 1.416      | 1.439       | 0.023  |
| 318      | 10       | Unbiased            | 1.43       | 1.449       | 0.019  |
| 319      | 10       | Unbiased            | 1.453      | 1.474       | 0.021  |
| 320      | 10       | Unbiased            | 1.431      | 1.422       | -0.009 |
| 321      | 10       | Unbiased            | 1.404      | 1.455       | 0.051  |
| 322      | 10       | Unbiased            | 1.449      | 1.474       | 0.025  |
| 323      | 30       | Bias                | 1.443      | 1.488       | 0.045  |
| 324      | 30       | Bias                | 1.428      | 1.468       | 0.04   |
| 325      | 30       | Bias                | 1.426      | 1.48        | 0.054  |
| 326      | 30       | Bias                | 1.433      | 1.488       | 0.055  |
| 327      | 30       | Bias                | 1.43       | 1.476       | 0.046  |
| 328      | 30       | Unbiased            | 1.426      | 1.476       | 0.05   |
| 329      | 30       | Unbiased            | 1.43       | 1.482       | 0.052  |
| 330      | 30       | Unbiased            | 1.42       | 1.482       | 0.062  |
| 331      | 30       | Unbiased            | 1.426      | 1.486       | 0.06   |
| 332      | 30       | Unbiased            | 1.422      | 1.486       | 0.064  |
| 333      | 50       | Bias                | 1.393      | 1.47        | 0.077  |
| 334      | 50       | Bias                | 1.422      | 1.494       | 0.072  |
| 335      | 50       | Bias                | 1.445      | 1.536       | 0.091  |
| 336      | 50       | Bias                | 1.439      | 1.525       | 0.086  |
| 337      | 50       | Bias                | 1.412      | 1.501       | 0.089  |
| 338      | 50       | Unbiased            | 1.451      | 1.531       | 0.08   |
| 339      | 50       | Unbiased            | 1.428      | 1.505       | 0.077  |
| 340      | 50       | Unbiased            | 1.443      | 1.529       | 0.086  |
| 341      | 50       | Unbiased            | 1.435      | 1.529       | 0.094  |
| 342      | 50       | Unbiased            | 1.439      | 1.532       | 0.093  |
| 343      | 100      | Bias                | 1.416      | 1.534       | 0.118  |
| 344      | 100      | Bias                | 1.435      | 1.558       | 0.123  |
| 345      | 100      | Bias                | 1.424      | 1.566       | 0.142  |
| 346      | 100      | Bias                | 1.463      | 1.587       | 0.124  |
| 347      | 100      | Bias                | 1.412      | 1.527       | 0.115  |
| 348      | 100      | Unbiased            | 1.435      | 1.575       | 0.14   |
| 349      | 100      | Unbiased            | 1.439      | 1.573       | 0.134  |
| 350      | 100      | Unbiased            | 1.435      | 1.587       | 0.152  |
| 351      | 100      | Unbiased            | 1.449      | 1.608       | 0.159  |
| 352      | 100      | Unbiased            | 1.414      | 1.55        | 0.136  |

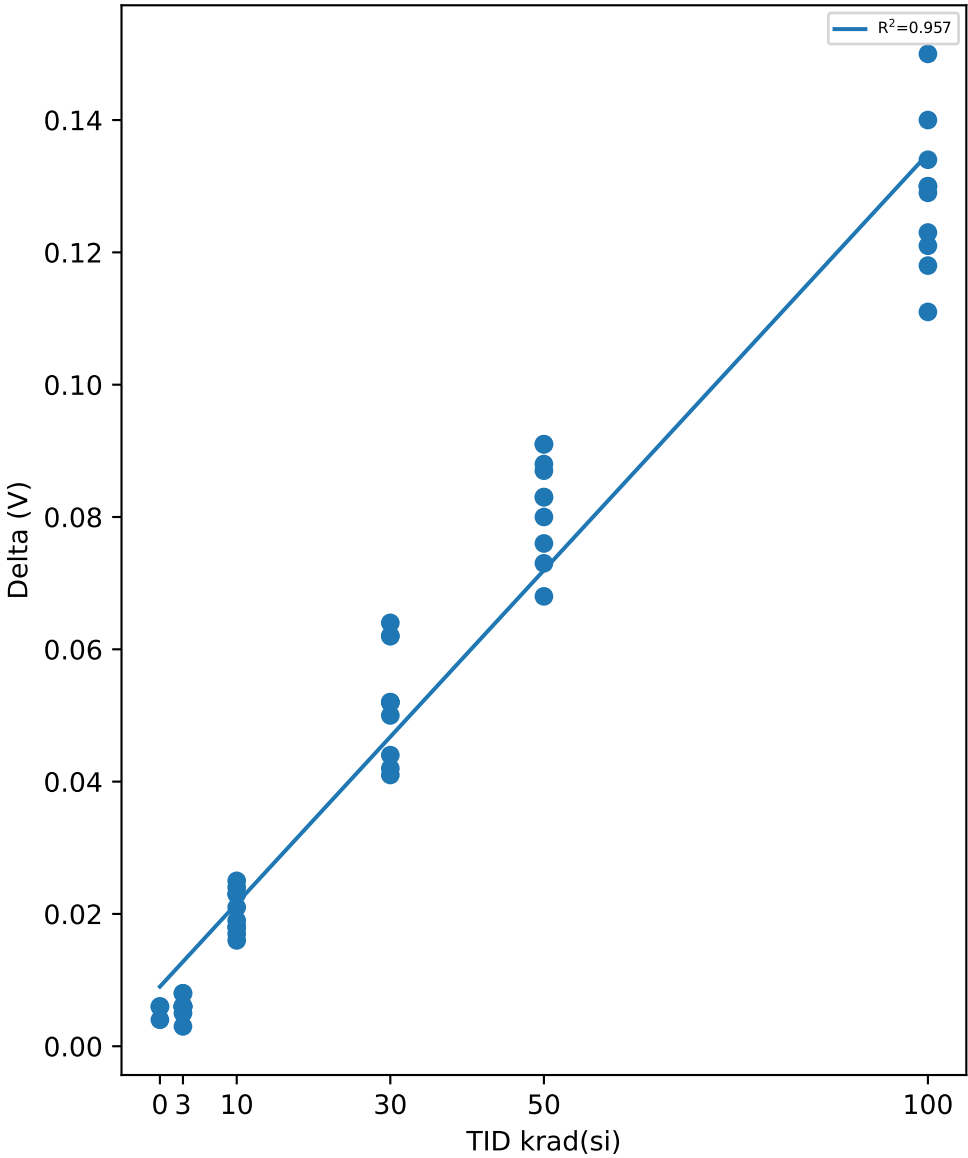
Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 1.42             | 1.4347           | 1.449            | 0.014503         | 1.424             | 1.4393            | 1.455             | 0.015503          | 0.004     | 0.0046667 | 0.006     | 0.0011547 |
| 3        | 1.418            | 1.4387           | 1.466            | 0.01201          | 1.426             | 1.4446            | 1.472             | 0.011664          | 0.002     | 0.0059    | 0.008     | 0.0020248 |
| 10       | 1.404            | 1.4296           | 1.453            | 0.015211         | 1.422             | 1.4503            | 1.474             | 0.016187          | -0.009    | 0.0207    | 0.051     | 0.014361  |
| 30       | 1.42             | 1.4284           | 1.443            | 0.0063979        | 1.468             | 1.4812            | 1.488             | 0.0064083         | 0.04      | 0.0528    | 0.064     | 0.0078003 |
| 50       | 1.393            | 1.4307           | 1.451            | 0.017569         | 1.47              | 1.5152            | 1.536             | 0.021704          | 0.072     | 0.0845    | 0.094     | 0.0075902 |
| 100      | 1.412            | 1.4322           | 1.463            | 0.016226         | 1.527             | 1.5665            | 1.608             | 0.02503           | 0.115     | 0.1343    | 0.159     | 0.014492  |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



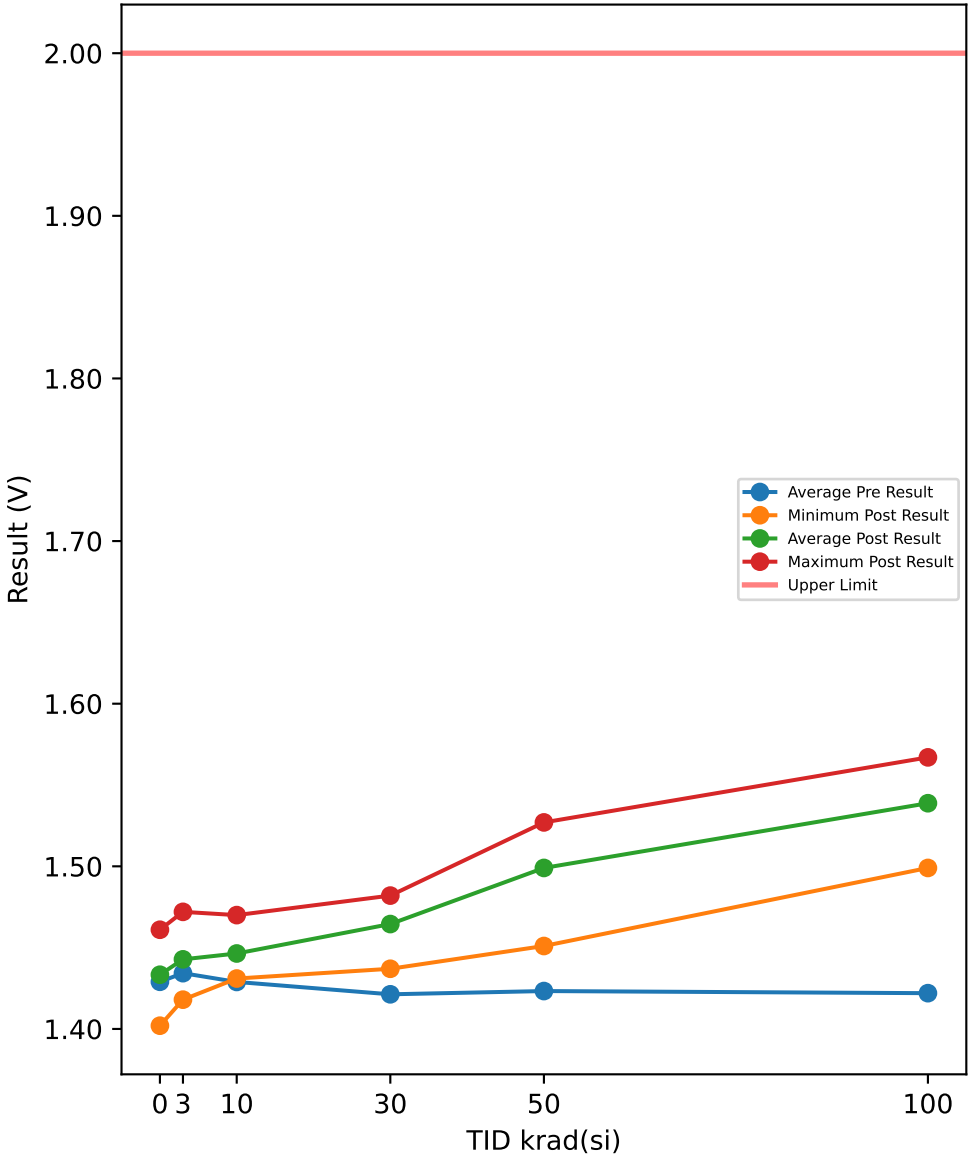
Test Results (Upper Limit = 2.0 (V))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|----------|----------|---------------------|------------|-------------|-------|
| 300      | 0        | Correlation         | 1.445      | 1.451       | 0.006 |
| 301      | 0        | Correlation         | 1.416      | 1.422       | 0.006 |
| 302      | 0        | Correlation         | 1.426      | 1.43        | 0.004 |
| 303      | 3        | Bias                | 1.451      | 1.457       | 0.006 |
| 304      | 3        | Bias                | 1.404      | 1.41        | 0.006 |
| 305      | 3        | Bias                | 1.422      | 1.43        | 0.008 |
| 306      | 3        | Bias                | 1.428      | 1.431       | 0.003 |
| 307      | 3        | Bias                | 1.416      | 1.424       | 0.008 |
| 308      | 3        | Unbiased            | 1.418      | 1.424       | 0.006 |
| 309      | 3        | Unbiased            | 1.431      | 1.437       | 0.006 |
| 310      | 3        | Unbiased            | 1.431      | 1.437       | 0.006 |
| 311      | 3        | Unbiased            | 1.428      | 1.433       | 0.005 |
| 312      | 3        | Unbiased            | 1.424      | 1.43        | 0.006 |
| 313      | 10       | Bias                | 1.412      | 1.428       | 0.016 |
| 314      | 10       | Bias                | 1.431      | 1.449       | 0.018 |
| 315      | 10       | Bias                | 1.439      | 1.457       | 0.018 |
| 316      | 10       | Bias                | 1.416      | 1.439       | 0.023 |
| 317      | 10       | Bias                | 1.416      | 1.437       | 0.021 |
| 318      | 10       | Unbiased            | 1.424      | 1.443       | 0.019 |
| 319      | 10       | Unbiased            | 1.431      | 1.455       | 0.024 |
| 320      | 10       | Unbiased            | 1.428      | 1.445       | 0.017 |
| 321      | 10       | Unbiased            | 1.428      | 1.451       | 0.023 |
| 322      | 10       | Unbiased            | 1.42       | 1.445       | 0.025 |
| 323      | 30       | Bias                | 1.428      | 1.47        | 0.042 |
| 324      | 30       | Bias                | 1.412      | 1.453       | 0.041 |
| 325      | 30       | Bias                | 1.428      | 1.48        | 0.052 |
| 326      | 30       | Bias                | 1.424      | 1.476       | 0.052 |
| 327      | 30       | Bias                | 1.43       | 1.474       | 0.044 |
| 328      | 30       | Unbiased            | 1.426      | 1.476       | 0.05  |
| 329      | 30       | Unbiased            | 1.418      | 1.47        | 0.052 |
| 330      | 30       | Unbiased            | 1.416      | 1.478       | 0.062 |
| 331      | 30       | Unbiased            | 1.414      | 1.476       | 0.062 |
| 332      | 30       | Unbiased            | 1.41       | 1.474       | 0.064 |
| 333      | 50       | Bias                | 1.393      | 1.466       | 0.073 |
| 334      | 50       | Bias                | 1.43       | 1.498       | 0.068 |
| 335      | 50       | Bias                | 1.437      | 1.525       | 0.088 |
| 336      | 50       | Bias                | 1.424      | 1.507       | 0.083 |
| 337      | 50       | Bias                | 1.424      | 1.511       | 0.087 |
| 338      | 50       | Unbiased            | 1.433      | 1.513       | 0.08  |
| 339      | 50       | Unbiased            | 1.418      | 1.494       | 0.076 |
| 340      | 50       | Unbiased            | 1.43       | 1.513       | 0.083 |
| 341      | 50       | Unbiased            | 1.412      | 1.503       | 0.091 |
| 342      | 50       | Unbiased            | 1.42       | 1.511       | 0.091 |
| 343      | 100      | Bias                | 1.43       | 1.548       | 0.118 |
| 344      | 100      | Bias                | 1.443      | 1.564       | 0.121 |
| 345      | 100      | Bias                | 1.4        | 1.529       | 0.129 |
| 346      | 100      | Bias                | 1.449      | 1.56        | 0.111 |
| 347      | 100      | Bias                | 1.439      | 1.562       | 0.123 |
| 348      | 100      | Unbiased            | 1.41       | 1.54        | 0.13  |
| 349      | 100      | Unbiased            | 1.428      | 1.558       | 0.13  |
| 350      | 100      | Unbiased            | 1.418      | 1.558       | 0.14  |
| 351      | 100      | Unbiased            | 1.435      | 1.585       | 0.15  |
| 352      | 100      | Unbiased            | 1.412      | 1.546       | 0.134 |

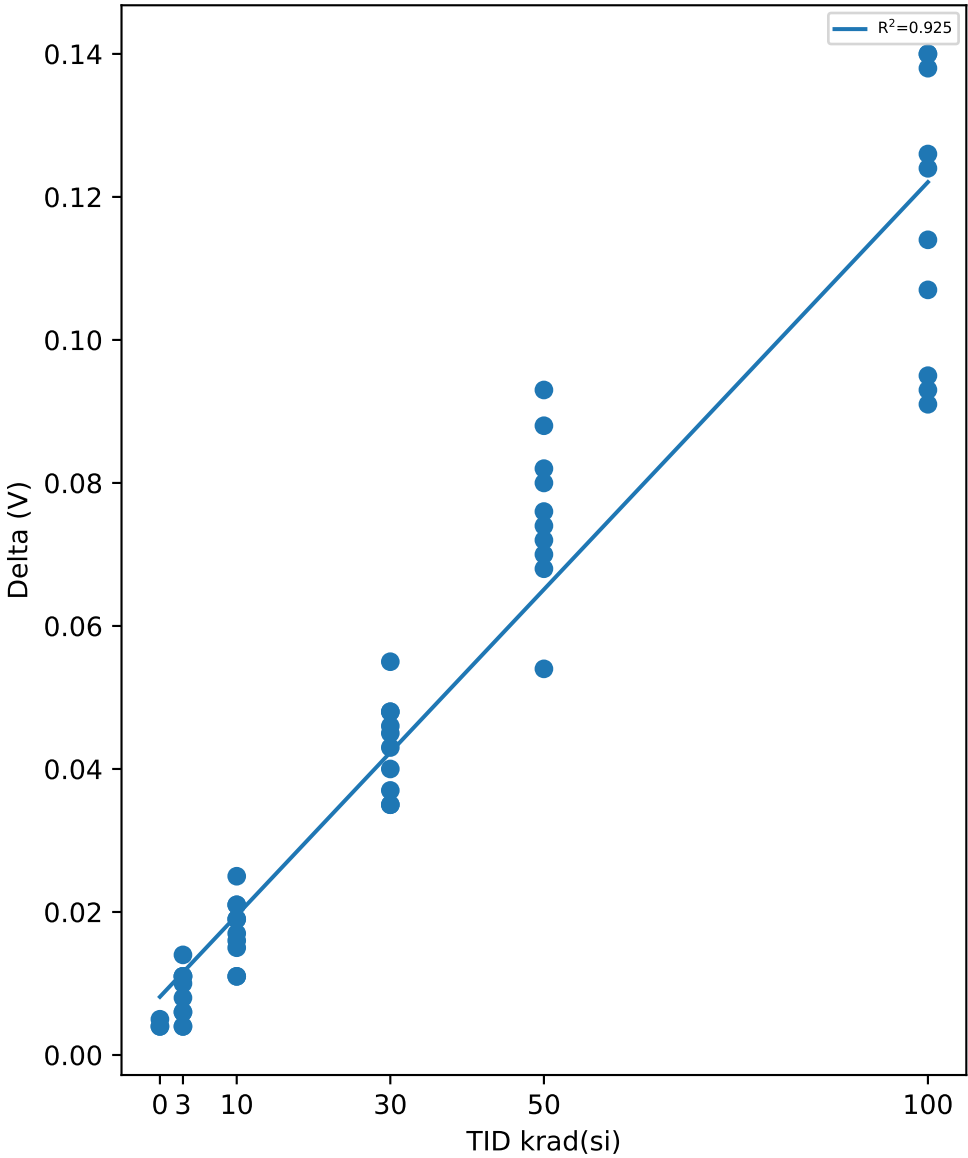
Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 1.416            | 1.429            | 1.445            | 0.014731         | 1.422             | 1.4343            | 1.451             | 0.014978          | 0.004     | 0.0053333 | 0.006     | 0.0011547 |
| 3        | 1.404            | 1.4253           | 1.451            | 0.01223          | 1.41              | 1.4313            | 1.457             | 0.011982          | 0.003     | 0.006     | 0.008     | 0.0014142 |
| 10       | 1.412            | 1.4245           | 1.439            | 0.008436         | 1.428             | 1.4449            | 1.457             | 0.008749          | 0.016     | 0.0204    | 0.025     | 0.0032042 |
| 30       | 1.41             | 1.4206           | 1.43             | 0.0074267        | 1.453             | 1.4727            | 1.48              | 0.0076019         | 0.041     | 0.0521    | 0.064     | 0.0083858 |
| 50       | 1.393            | 1.4221           | 1.437            | 0.012662         | 1.466             | 1.5041            | 1.525             | 0.015954          | 0.068     | 0.082     | 0.091     | 0.0077603 |
| 100      | 1.4              | 1.4264           | 1.449            | 0.015911         | 1.529             | 1.555             | 1.585             | 0.01529           | 0.111     | 0.1286    | 0.15      | 0.011217  |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



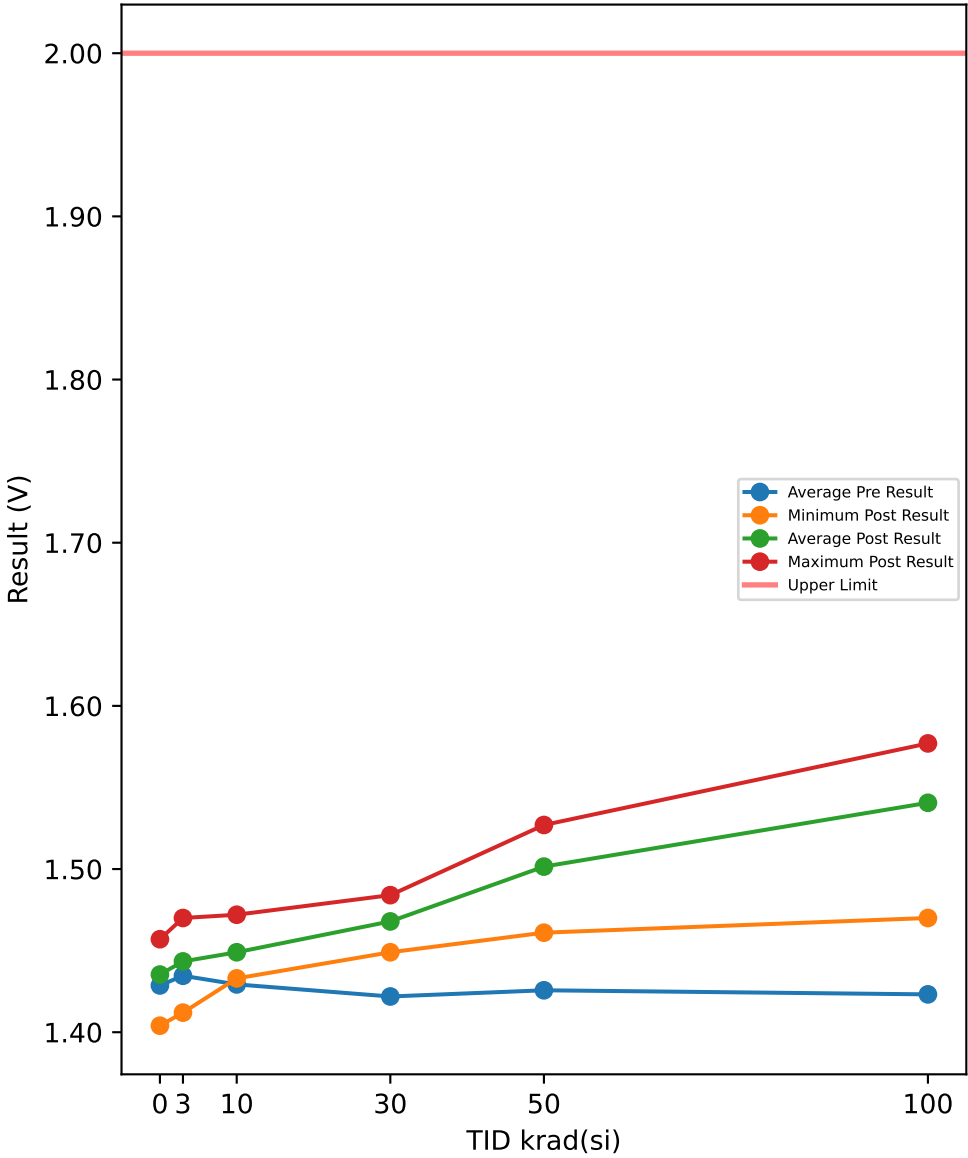
Test Results (Upper Limit = 2.0 (V))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|----------|----------|---------------------|------------|-------------|-------|
| 300      | 0        | Correlation         | 1.457      | 1.461       | 0.004 |
| 301      | 0        | Correlation         | 1.433      | 1.437       | 0.004 |
| 302      | 0        | Correlation         | 1.397      | 1.402       | 0.005 |
| 303      | 3        | Bias                | 1.461      | 1.472       | 0.011 |
| 304      | 3        | Bias                | 1.424      | 1.435       | 0.011 |
| 305      | 3        | Bias                | 1.404      | 1.418       | 0.014 |
| 306      | 3        | Bias                | 1.437      | 1.445       | 0.008 |
| 307      | 3        | Bias                | 1.43       | 1.441       | 0.011 |
| 308      | 3        | Unbiased            | 1.435      | 1.445       | 0.01  |
| 309      | 3        | Unbiased            | 1.435      | 1.439       | 0.004 |
| 310      | 3        | Unbiased            | 1.441      | 1.447       | 0.006 |
| 311      | 3        | Unbiased            | 1.439      | 1.445       | 0.006 |
| 312      | 3        | Unbiased            | 1.437      | 1.441       | 0.004 |
| 313      | 10       | Bias                | 1.428      | 1.439       | 0.011 |
| 314      | 10       | Bias                | 1.43       | 1.447       | 0.017 |
| 315      | 10       | Bias                | 1.431      | 1.447       | 0.016 |
| 316      | 10       | Bias                | 1.424      | 1.449       | 0.025 |
| 317      | 10       | Bias                | 1.422      | 1.441       | 0.019 |
| 318      | 10       | Unbiased            | 1.416      | 1.431       | 0.015 |
| 319      | 10       | Unbiased            | 1.447      | 1.466       | 0.019 |
| 320      | 10       | Unbiased            | 1.422      | 1.433       | 0.011 |
| 321      | 10       | Unbiased            | 1.42       | 1.441       | 0.021 |
| 322      | 10       | Unbiased            | 1.449      | 1.47        | 0.021 |
| 323      | 30       | Bias                | 1.443      | 1.48        | 0.037 |
| 324      | 30       | Bias                | 1.424      | 1.459       | 0.035 |
| 325      | 30       | Bias                | 1.397      | 1.437       | 0.04  |
| 326      | 30       | Bias                | 1.43       | 1.476       | 0.046 |
| 327      | 30       | Bias                | 1.443      | 1.478       | 0.035 |
| 328      | 30       | Unbiased            | 1.41       | 1.453       | 0.043 |
| 329      | 30       | Unbiased            | 1.437      | 1.482       | 0.045 |
| 330      | 30       | Unbiased            | 1.397      | 1.445       | 0.048 |
| 331      | 30       | Unbiased            | 1.426      | 1.474       | 0.048 |
| 332      | 30       | Unbiased            | 1.406      | 1.461       | 0.055 |
| 333      | 50       | Bias                | 1.397      | 1.465       | 0.068 |
| 334      | 50       | Bias                | 1.397      | 1.451       | 0.054 |
| 335      | 50       | Bias                | 1.445      | 1.527       | 0.082 |
| 336      | 50       | Bias                | 1.443      | 1.517       | 0.074 |
| 337      | 50       | Bias                | 1.416      | 1.492       | 0.076 |
| 338      | 50       | Unbiased            | 1.447      | 1.519       | 0.072 |
| 339      | 50       | Unbiased            | 1.398      | 1.468       | 0.07  |
| 340      | 50       | Unbiased            | 1.433      | 1.513       | 0.08  |
| 341      | 50       | Unbiased            | 1.431      | 1.519       | 0.088 |
| 342      | 50       | Unbiased            | 1.426      | 1.519       | 0.093 |
| 343      | 100      | Bias                | 1.408      | 1.499       | 0.091 |
| 344      | 100      | Bias                | 1.42       | 1.513       | 0.093 |
| 345      | 100      | Bias                | 1.42       | 1.534       | 0.114 |
| 346      | 100      | Bias                | 1.453      | 1.548       | 0.095 |
| 347      | 100      | Bias                | 1.408      | 1.546       | 0.138 |
| 348      | 100      | Unbiased            | 1.424      | 1.564       | 0.14  |
| 349      | 100      | Unbiased            | 1.441      | 1.548       | 0.107 |
| 350      | 100      | Unbiased            | 1.428      | 1.552       | 0.124 |
| 351      | 100      | Unbiased            | 1.441      | 1.567       | 0.126 |
| 352      | 100      | Unbiased            | 1.377      | 1.517       | 0.14  |

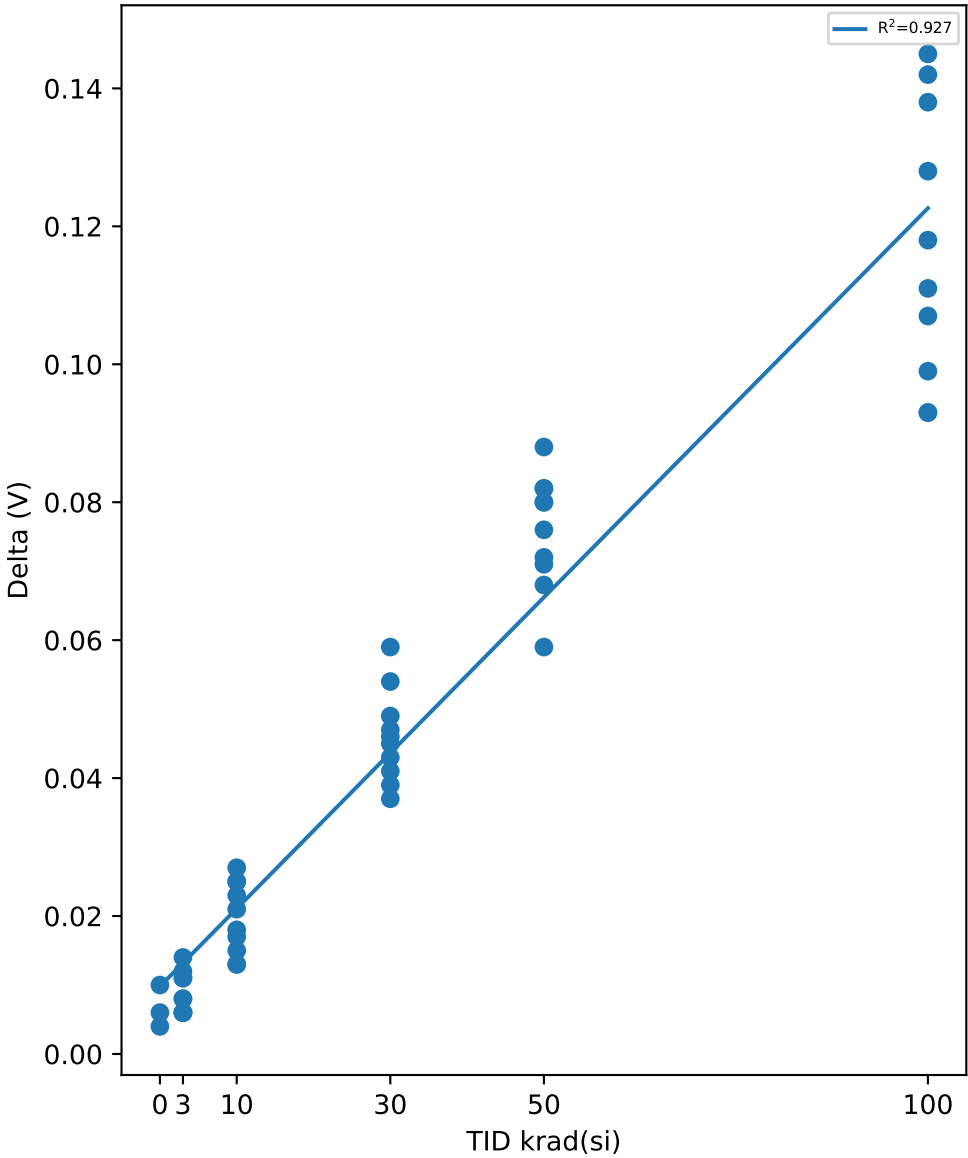
Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| 0        | 1.397            | 1.429            | 1.457            | 0.030199         | 1.402             | 1.4333            | 1.461             | 0.02967           | 0.004     | 0.0043333 | 0.005     | 0.00057735 |
| 3        | 1.404            | 1.4343           | 1.461            | 0.014291         | 1.418             | 1.4428            | 1.472             | 0.013256          | 0.004     | 0.0085    | 0.014     | 0.0034075  |
| 10       | 1.416            | 1.4289           | 1.449            | 0.01107          | 1.431             | 1.4464            | 1.47              | 0.012817          | 0.011     | 0.0175    | 0.025     | 0.0044535  |
| 30       | 1.397            | 1.4213           | 1.443            | 0.017752         | 1.437             | 1.4645            | 1.482             | 0.015855          | 0.035     | 0.0432    | 0.055     | 0.0064944  |
| 50       | 1.397            | 1.4233           | 1.447            | 0.020161         | 1.451             | 1.499             | 1.527             | 0.027837          | 0.054     | 0.0757    | 0.093     | 0.010995   |
| 100      | 1.377            | 1.422            | 1.453            | 0.021468         | 1.499             | 1.5388            | 1.567             | 0.022543          | 0.091     | 0.1168    | 0.14      | 0.019646   |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 2.0 (V))

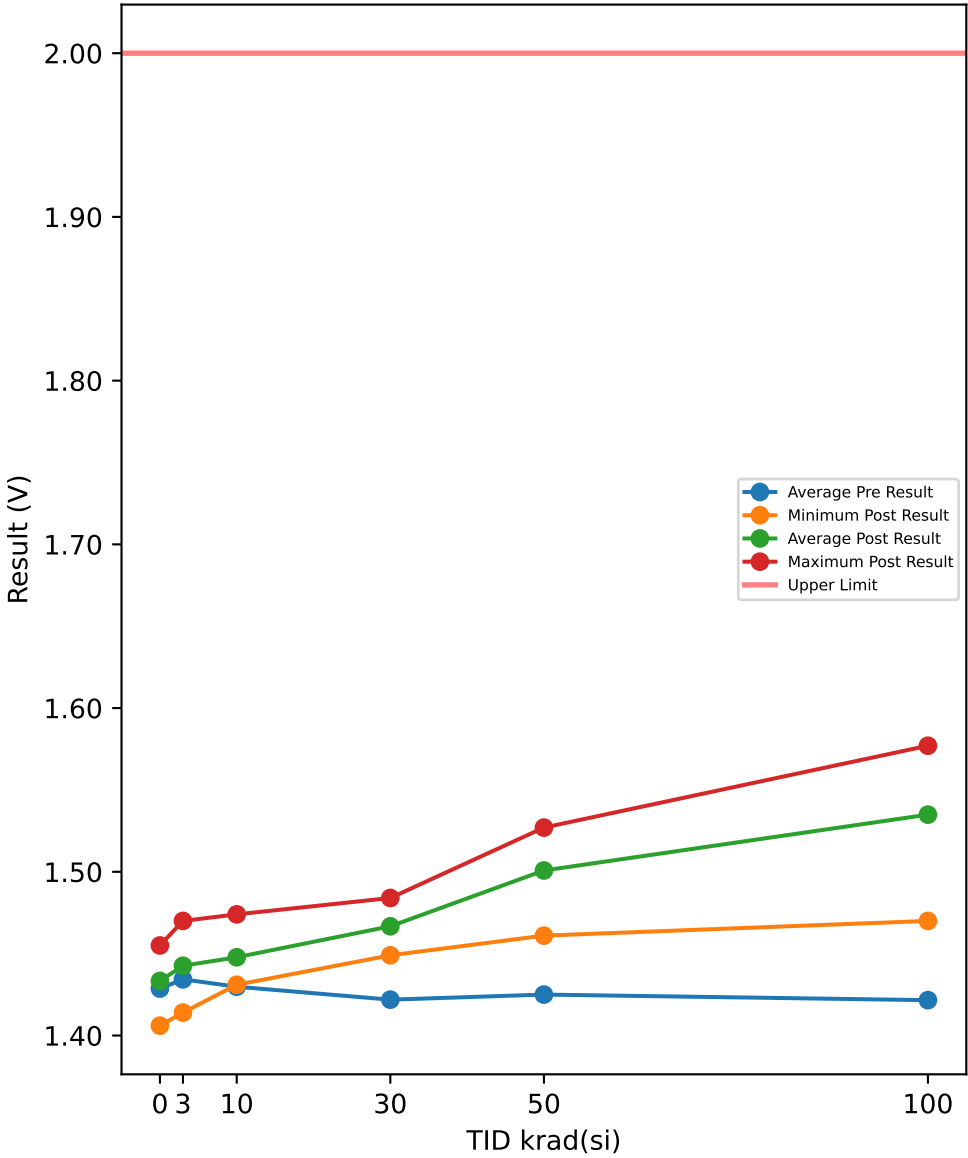
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|----------|----------|---------------------|------------|-------------|-------|
| 300      | 0        | Correlation         | 1.451      | 1.457       | 0.006 |
| 301      | 0        | Correlation         | 1.435      | 1.445       | 0.01  |
| 302      | 0        | Correlation         | 1.4        | 1.404       | 0.004 |
| 303      | 3        | Bias                | 1.459      | 1.47        | 0.011 |
| 304      | 3        | Bias                | 1.428      | 1.439       | 0.011 |
| 305      | 3        | Bias                | 1.398      | 1.412       | 0.014 |
| 306      | 3        | Bias                | 1.439      | 1.447       | 0.008 |
| 307      | 3        | Bias                | 1.433      | 1.441       | 0.008 |
| 308      | 3        | Unbiased            | 1.441      | 1.447       | 0.006 |
| 309      | 3        | Unbiased            | 1.433      | 1.439       | 0.006 |
| 310      | 3        | Unbiased            | 1.439      | 1.451       | 0.012 |
| 311      | 3        | Unbiased            | 1.439      | 1.445       | 0.006 |
| 312      | 3        | Unbiased            | 1.437      | 1.443       | 0.006 |
| 313      | 10       | Bias                | 1.428      | 1.441       | 0.013 |
| 314      | 10       | Bias                | 1.433      | 1.451       | 0.018 |
| 315      | 10       | Bias                | 1.43       | 1.445       | 0.015 |
| 316      | 10       | Bias                | 1.426      | 1.449       | 0.023 |
| 317      | 10       | Bias                | 1.422      | 1.447       | 0.025 |
| 318      | 10       | Unbiased            | 1.416      | 1.433       | 0.017 |
| 319      | 10       | Unbiased            | 1.447      | 1.472       | 0.025 |
| 320      | 10       | Unbiased            | 1.424      | 1.437       | 0.013 |
| 321      | 10       | Unbiased            | 1.416      | 1.443       | 0.027 |
| 322      | 10       | Unbiased            | 1.451      | 1.472       | 0.021 |
| 323      | 30       | Bias                | 1.443      | 1.482       | 0.039 |
| 324      | 30       | Bias                | 1.424      | 1.461       | 0.037 |
| 325      | 30       | Bias                | 1.404      | 1.449       | 0.045 |
| 326      | 30       | Bias                | 1.43       | 1.476       | 0.046 |
| 327      | 30       | Bias                | 1.435      | 1.476       | 0.041 |
| 328      | 30       | Unbiased            | 1.41       | 1.453       | 0.043 |
| 329      | 30       | Unbiased            | 1.435      | 1.482       | 0.047 |
| 330      | 30       | Unbiased            | 1.402      | 1.451       | 0.049 |
| 331      | 30       | Unbiased            | 1.43       | 1.484       | 0.054 |
| 332      | 30       | Unbiased            | 1.406      | 1.465       | 0.059 |
| 333      | 50       | Bias                | 1.398      | 1.466       | 0.068 |
| 334      | 50       | Bias                | 1.402      | 1.461       | 0.059 |
| 335      | 50       | Bias                | 1.445      | 1.527       | 0.082 |
| 336      | 50       | Bias                | 1.445      | 1.521       | 0.076 |
| 337      | 50       | Bias                | 1.418      | 1.498       | 0.08  |
| 338      | 50       | Unbiased            | 1.449      | 1.521       | 0.072 |
| 339      | 50       | Unbiased            | 1.397      | 1.468       | 0.071 |
| 340      | 50       | Unbiased            | 1.433      | 1.515       | 0.082 |
| 341      | 50       | Unbiased            | 1.433      | 1.521       | 0.088 |
| 342      | 50       | Unbiased            | 1.437      | 1.517       | 0.08  |
| 343      | 100      | Bias                | 1.418      | 1.529       | 0.111 |
| 344      | 100      | Bias                | 1.428      | 1.527       | 0.099 |
| 345      | 100      | Bias                | 1.42       | 1.538       | 0.118 |
| 346      | 100      | Bias                | 1.455      | 1.562       | 0.107 |
| 347      | 100      | Bias                | 1.406      | 1.499       | 0.093 |
| 348      | 100      | Unbiased            | 1.426      | 1.571       | 0.145 |
| 349      | 100      | Unbiased            | 1.435      | 1.577       | 0.142 |
| 350      | 100      | Unbiased            | 1.428      | 1.556       | 0.128 |
| 351      | 100      | Unbiased            | 1.439      | 1.577       | 0.138 |
| 352      | 100      | Unbiased            | 1.377      | 1.47        | 0.093 |

Test Statistics (V)

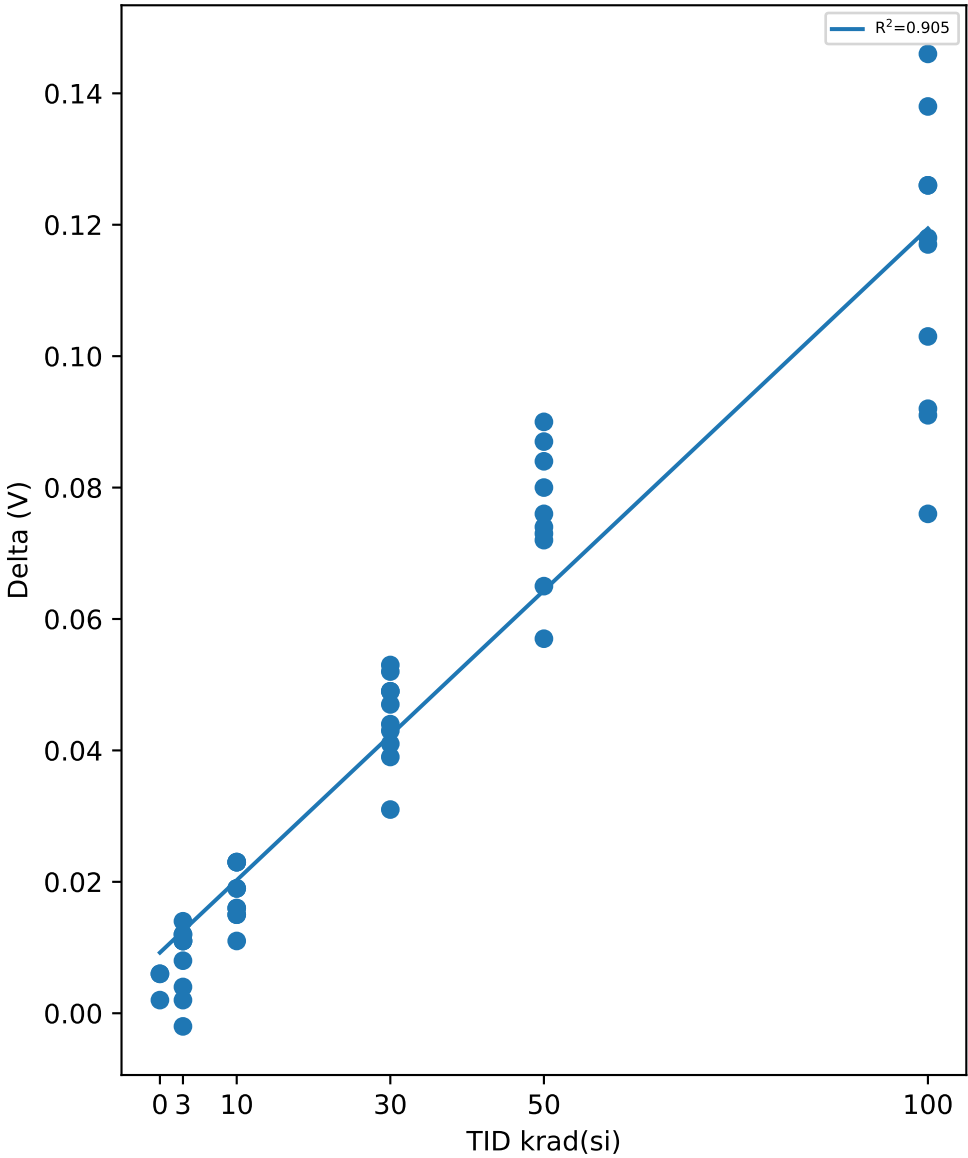
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 1.4              | 1.4287           | 1.451            | 0.026083         | 1.404             | 1.4353            | 1.457             | 0.027791          | 0.004     | 0.0066667 | 0.01      | 0.0030551 |
| 3        | 1.398            | 1.4346           | 1.459            | 0.015233         | 1.412             | 1.4434            | 1.47              | 0.014238          | 0.006     | 0.0088    | 0.014     | 0.002974  |
| 10       | 1.416            | 1.4293           | 1.451            | 0.011767         | 1.433             | 1.449             | 1.472             | 0.013258          | 0.013     | 0.0197    | 0.027     | 0.0052079 |
| 30       | 1.402            | 1.4219           | 1.443            | 0.015037         | 1.449             | 1.4679            | 1.484             | 0.01378           | 0.037     | 0.046     | 0.059     | 0.006733  |
| 50       | 1.397            | 1.4257           | 1.449            | 0.020369         | 1.461             | 1.5015            | 1.527             | 0.026349          | 0.059     | 0.0758    | 0.088     | 0.0084433 |
| 100      | 1.377            | 1.4232           | 1.455            | 0.020874         | 1.47              | 1.5406            | 1.577             | 0.03545           | 0.093     | 0.1174    | 0.145     | 0.019951  |



TID vs Result Stats



TID vs Post - Pre Exposure Delta



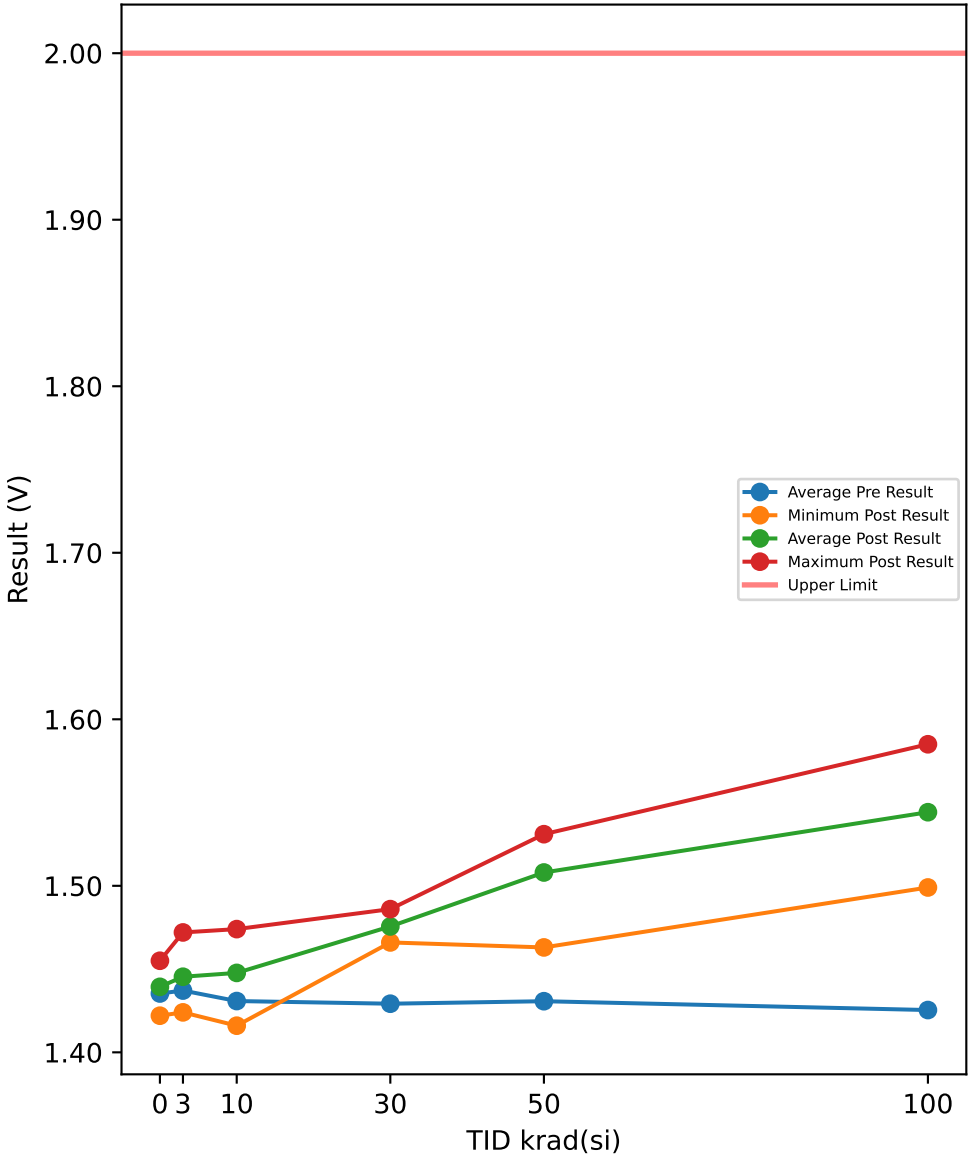
Test Results (Upper Limit = 2.0 (V))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 1.449      | 1.455       | 0.006  |
| 301      | 0        | Correlation         | 1.437      | 1.439       | 0.002  |
| 302      | 0        | Correlation         | 1.4        | 1.406       | 0.006  |
| 303      | 3        | Bias                | 1.459      | 1.47        | 0.011  |
| 304      | 3        | Bias                | 1.428      | 1.439       | 0.011  |
| 305      | 3        | Bias                | 1.4        | 1.414       | 0.014  |
| 306      | 3        | Bias                | 1.437      | 1.449       | 0.012  |
| 307      | 3        | Bias                | 1.43       | 1.441       | 0.011  |
| 308      | 3        | Unbiased            | 1.433      | 1.445       | 0.012  |
| 309      | 3        | Unbiased            | 1.439      | 1.437       | -0.002 |
| 310      | 3        | Unbiased            | 1.443      | 1.445       | 0.002  |
| 311      | 3        | Unbiased            | 1.437      | 1.445       | 0.008  |
| 312      | 3        | Unbiased            | 1.437      | 1.441       | 0.004  |
| 313      | 10       | Bias                | 1.426      | 1.441       | 0.015  |
| 314      | 10       | Bias                | 1.433      | 1.449       | 0.016  |
| 315      | 10       | Bias                | 1.431      | 1.447       | 0.016  |
| 316      | 10       | Bias                | 1.426      | 1.445       | 0.019  |
| 317      | 10       | Bias                | 1.424      | 1.443       | 0.019  |
| 318      | 10       | Unbiased            | 1.416      | 1.439       | 0.023  |
| 319      | 10       | Unbiased            | 1.453      | 1.468       | 0.015  |
| 320      | 10       | Unbiased            | 1.42       | 1.431       | 0.011  |
| 321      | 10       | Unbiased            | 1.418      | 1.441       | 0.023  |
| 322      | 10       | Unbiased            | 1.451      | 1.474       | 0.023  |
| 323      | 30       | Bias                | 1.443      | 1.484       | 0.041  |
| 324      | 30       | Bias                | 1.43       | 1.461       | 0.031  |
| 325      | 30       | Bias                | 1.404      | 1.453       | 0.049  |
| 326      | 30       | Bias                | 1.43       | 1.474       | 0.044  |
| 327      | 30       | Bias                | 1.435      | 1.474       | 0.039  |
| 328      | 30       | Unbiased            | 1.41       | 1.453       | 0.043  |
| 329      | 30       | Unbiased            | 1.433      | 1.48        | 0.047  |
| 330      | 30       | Unbiased            | 1.4        | 1.449       | 0.049  |
| 331      | 30       | Unbiased            | 1.428      | 1.48        | 0.052  |
| 332      | 30       | Unbiased            | 1.406      | 1.459       | 0.053  |
| 333      | 50       | Bias                | 1.398      | 1.463       | 0.065  |
| 334      | 50       | Bias                | 1.404      | 1.461       | 0.057  |
| 335      | 50       | Bias                | 1.447      | 1.527       | 0.08   |
| 336      | 50       | Bias                | 1.443      | 1.517       | 0.074  |
| 337      | 50       | Bias                | 1.414      | 1.49        | 0.076  |
| 338      | 50       | Unbiased            | 1.449      | 1.521       | 0.072  |
| 339      | 50       | Unbiased            | 1.393      | 1.466       | 0.073  |
| 340      | 50       | Unbiased            | 1.435      | 1.519       | 0.084  |
| 341      | 50       | Unbiased            | 1.437      | 1.527       | 0.09   |
| 342      | 50       | Unbiased            | 1.43       | 1.517       | 0.087  |
| 343      | 100      | Bias                | 1.414      | 1.49        | 0.076  |
| 344      | 100      | Bias                | 1.428      | 1.554       | 0.126  |
| 345      | 100      | Bias                | 1.418      | 1.564       | 0.146  |
| 346      | 100      | Bias                | 1.451      | 1.554       | 0.103  |
| 347      | 100      | Bias                | 1.398      | 1.49        | 0.092  |
| 348      | 100      | Unbiased            | 1.426      | 1.544       | 0.118  |
| 349      | 100      | Unbiased            | 1.435      | 1.552       | 0.117  |
| 350      | 100      | Unbiased            | 1.428      | 1.554       | 0.126  |
| 351      | 100      | Unbiased            | 1.439      | 1.577       | 0.138  |
| 352      | 100      | Unbiased            | 1.379      | 1.47        | 0.091  |

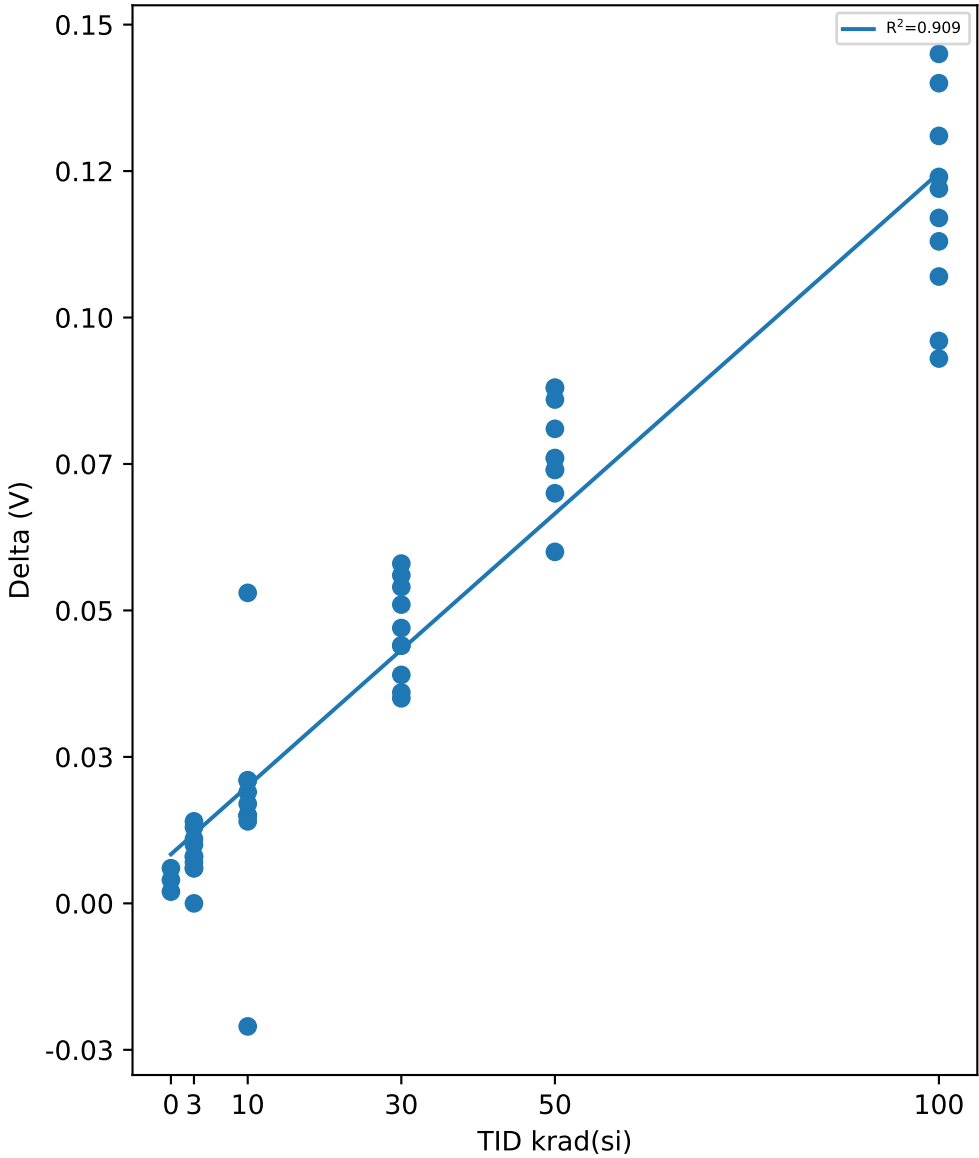
Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 1.4              | 1.4287           | 1.449            | 0.025541         | 1.406             | 1.4333            | 1.455             | 0.024987          | 0.002     | 0.0046667 | 0.006     | 0.0023094 |
| 3        | 1.4              | 1.4343           | 1.459            | 0.01478          | 1.414             | 1.4426            | 1.47              | 0.013648          | -0.002    | 0.0083    | 0.014     | 0.0052292 |
| 10       | 1.416            | 1.4298           | 1.453            | 0.012856         | 1.431             | 1.4478            | 1.474             | 0.013248          | 0.011     | 0.018     | 0.023     | 0.0041096 |
| 30       | 1.4              | 1.4219           | 1.443            | 0.015286         | 1.449             | 1.4667            | 1.484             | 0.013081          | 0.031     | 0.0448    | 0.053     | 0.00668   |
| 50       | 1.393            | 1.425            | 1.449            | 0.020997         | 1.461             | 1.5008            | 1.527             | 0.027844          | 0.057     | 0.0758    | 0.09      | 0.010042  |
| 100      | 1.379            | 1.4216           | 1.451            | 0.020791         | 1.47              | 1.5349            | 1.577             | 0.037018          | 0.076     | 0.1133    | 0.146     | 0.022326  |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



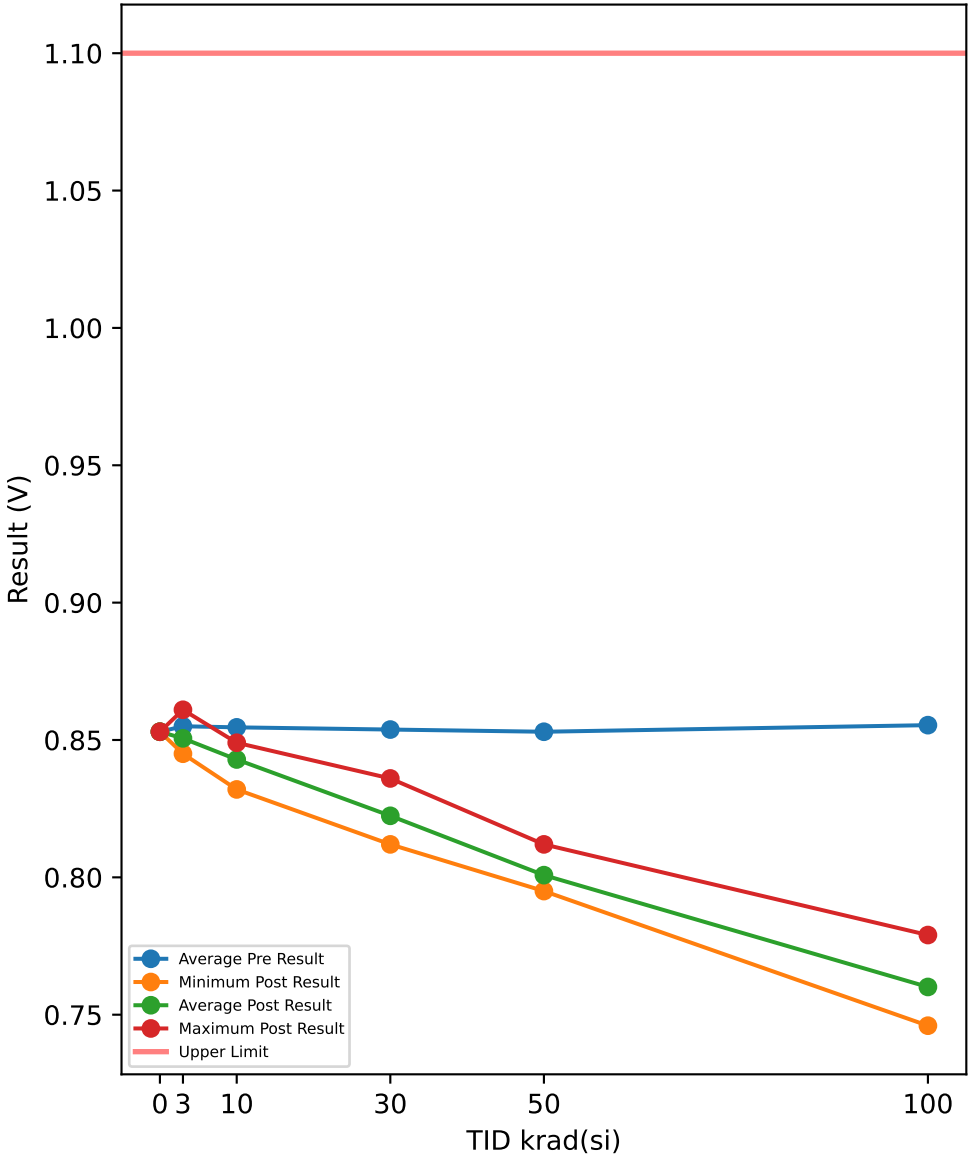
Test Results (Upper Limit = 2.0 (V))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 1.449      | 1.455       | 0.006  |
| 301      | 0        | Correlation         | 1.439      | 1.441       | 0.002  |
| 302      | 0        | Correlation         | 1.418      | 1.422       | 0.004  |
| 303      | 3        | Bias                | 1.461      | 1.472       | 0.011  |
| 304      | 3        | Bias                | 1.43       | 1.437       | 0.007  |
| 305      | 3        | Bias                | 1.41       | 1.424       | 0.014  |
| 306      | 3        | Bias                | 1.437      | 1.445       | 0.008  |
| 307      | 3        | Bias                | 1.43       | 1.443       | 0.013  |
| 308      | 3        | Unbiased            | 1.439      | 1.449       | 0.01   |
| 309      | 3        | Unbiased            | 1.439      | 1.439       | 0      |
| 310      | 3        | Unbiased            | 1.441      | 1.447       | 0.006  |
| 311      | 3        | Unbiased            | 1.441      | 1.449       | 0.008  |
| 312      | 3        | Unbiased            | 1.443      | 1.449       | 0.006  |
| 313      | 10       | Bias                | 1.426      | 1.441       | 0.015  |
| 314      | 10       | Bias                | 1.447      | 1.461       | 0.014  |
| 315      | 10       | Bias                | 1.422      | 1.437       | 0.015  |
| 316      | 10       | Bias                | 1.42       | 1.441       | 0.021  |
| 317      | 10       | Bias                | 1.416      | 1.435       | 0.019  |
| 318      | 10       | Unbiased            | 1.428      | 1.445       | 0.017  |
| 319      | 10       | Unbiased            | 1.459      | 1.474       | 0.015  |
| 320      | 10       | Unbiased            | 1.437      | 1.416       | -0.021 |
| 321      | 10       | Unbiased            | 1.4        | 1.453       | 0.053  |
| 322      | 10       | Unbiased            | 1.453      | 1.474       | 0.021  |
| 323      | 30       | Bias                | 1.449      | 1.484       | 0.035  |
| 324      | 30       | Bias                | 1.43       | 1.466       | 0.036  |
| 325      | 30       | Bias                | 1.426      | 1.47        | 0.044  |
| 326      | 30       | Bias                | 1.435      | 1.486       | 0.051  |
| 327      | 30       | Bias                | 1.431      | 1.47        | 0.039  |
| 328      | 30       | Unbiased            | 1.426      | 1.47        | 0.044  |
| 329      | 30       | Unbiased            | 1.431      | 1.478       | 0.047  |
| 330      | 30       | Unbiased            | 1.418      | 1.476       | 0.058  |
| 331      | 30       | Unbiased            | 1.426      | 1.48        | 0.054  |
| 332      | 30       | Unbiased            | 1.42       | 1.476       | 0.056  |
| 333      | 50       | Bias                | 1.393      | 1.463       | 0.07   |
| 334      | 50       | Bias                | 1.422      | 1.482       | 0.06   |
| 335      | 50       | Bias                | 1.445      | 1.531       | 0.086  |
| 336      | 50       | Bias                | 1.441      | 1.517       | 0.076  |
| 337      | 50       | Bias                | 1.416      | 1.49        | 0.074  |
| 338      | 50       | Unbiased            | 1.453      | 1.527       | 0.074  |
| 339      | 50       | Unbiased            | 1.418      | 1.499       | 0.081  |
| 340      | 50       | Unbiased            | 1.449      | 1.525       | 0.076  |
| 341      | 50       | Unbiased            | 1.433      | 1.521       | 0.088  |
| 342      | 50       | Unbiased            | 1.437      | 1.525       | 0.088  |
| 343      | 100      | Bias                | 1.406      | 1.499       | 0.093  |
| 344      | 100      | Bias                | 1.431      | 1.527       | 0.096  |
| 345      | 100      | Bias                | 1.418      | 1.542       | 0.124  |
| 346      | 100      | Bias                | 1.455      | 1.562       | 0.107  |
| 347      | 100      | Bias                | 1.395      | 1.54        | 0.145  |
| 348      | 100      | Unbiased            | 1.43       | 1.552       | 0.122  |
| 349      | 100      | Unbiased            | 1.435      | 1.552       | 0.117  |
| 350      | 100      | Unbiased            | 1.431      | 1.562       | 0.131  |
| 351      | 100      | Unbiased            | 1.445      | 1.585       | 0.14   |
| 352      | 100      | Unbiased            | 1.408      | 1.521       | 0.113  |

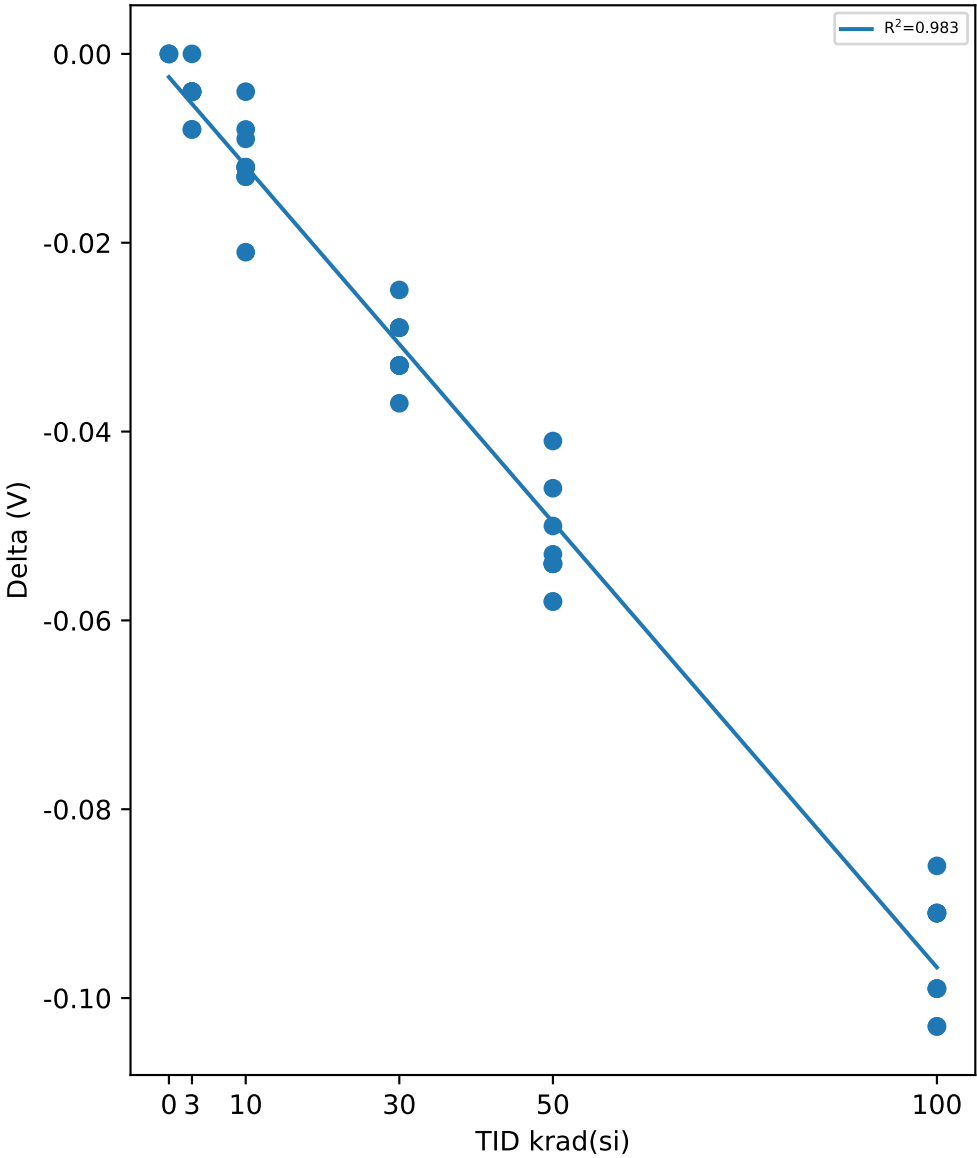
Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 1.418            | 1.4353           | 1.449            | 0.015822         | 1.422             | 1.4393            | 1.455             | 0.016563          | 0.002     | 0.004     | 0.006     | 0.002     |
| 3        | 1.41             | 1.4371           | 1.461            | 0.012819         | 1.424             | 1.4454            | 1.472             | 0.012131          | 0         | 0.0083    | 0.014     | 0.0040291 |
| 10       | 1.4              | 1.4308           | 1.459            | 0.018201         | 1.416             | 1.4477            | 1.474             | 0.018154          | -0.021    | 0.0169    | 0.053     | 0.017629  |
| 30       | 1.418            | 1.4292           | 1.449            | 0.0086513        | 1.466             | 1.4756            | 1.486             | 0.0065862         | 0.035     | 0.0464    | 0.058     | 0.0082354 |
| 50       | 1.393            | 1.4307           | 1.453            | 0.018445         | 1.463             | 1.508             | 1.531             | 0.023152          | 0.06      | 0.0773    | 0.088     | 0.0087946 |
| 100      | 1.395            | 1.4254           | 1.455            | 0.018542         | 1.499             | 1.5442            | 1.585             | 0.024312          | 0.093     | 0.1188    | 0.145     | 0.017268  |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 1.1 (V))

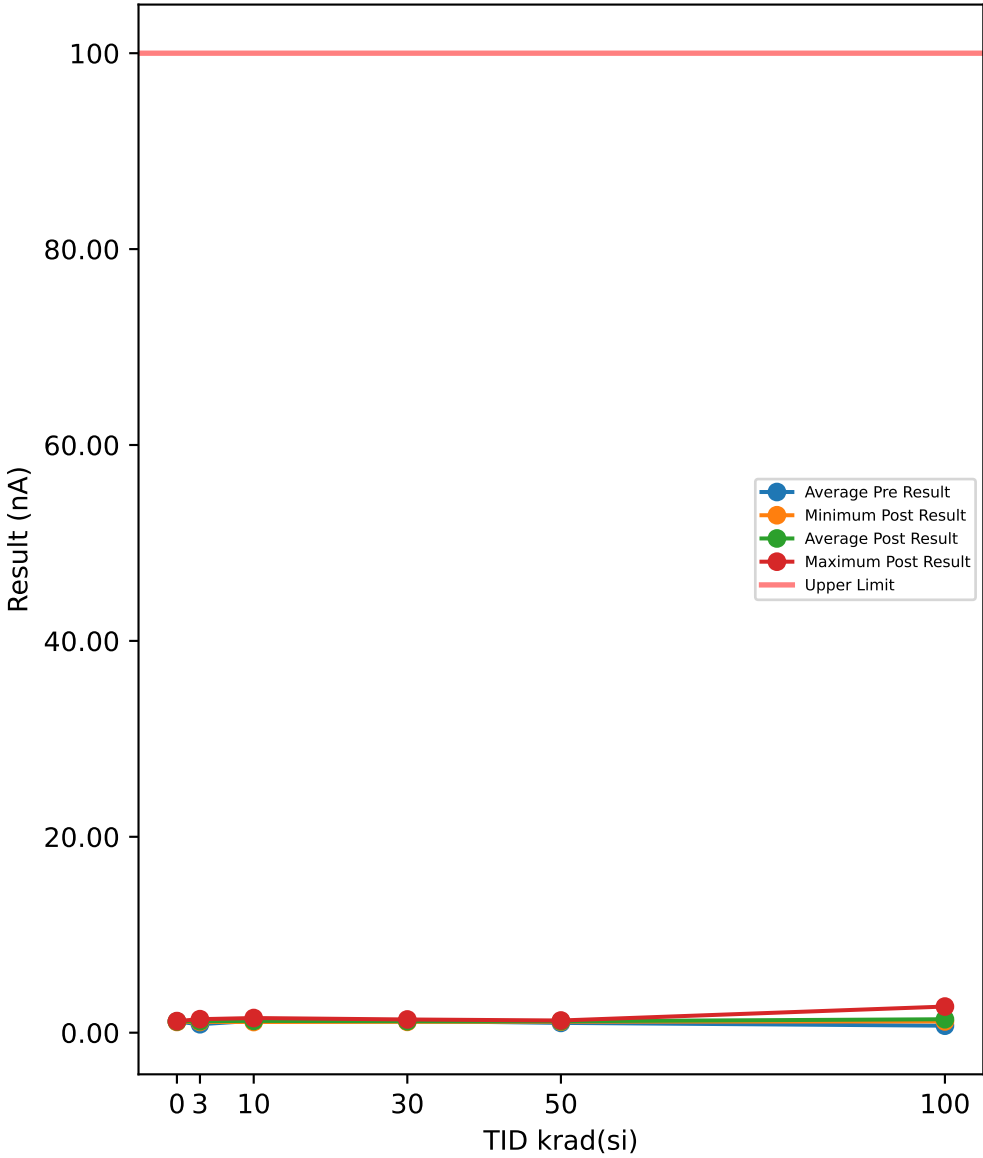
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.853      | 0.853       | 0      |
| 301      | 0        | Correlation         | 0.853      | 0.853       | 0      |
| 302      | 0        | Correlation         | 0.853      | 0.853       | 0      |
| 303      | 3        | Bias                | 0.853      | 0.849       | -0.004 |
| 304      | 3        | Bias                | 0.853      | 0.845       | -0.008 |
| 305      | 3        | Bias                | 0.865      | 0.861       | -0.004 |
| 306      | 3        | Bias                | 0.857      | 0.853       | -0.004 |
| 307      | 3        | Bias                | 0.857      | 0.853       | -0.004 |
| 308      | 3        | Unbiased            | 0.861      | 0.853       | -0.008 |
| 309      | 3        | Unbiased            | 0.857      | 0.853       | -0.004 |
| 310      | 3        | Unbiased            | 0.853      | 0.849       | -0.004 |
| 311      | 3        | Unbiased            | 0.849      | 0.845       | -0.004 |
| 312      | 3        | Unbiased            | 0.845      | 0.845       | 0      |
| 313      | 10       | Bias                | 0.861      | 0.849       | -0.012 |
| 314      | 10       | Bias                | 0.853      | 0.84        | -0.013 |
| 315      | 10       | Bias                | 0.857      | 0.845       | -0.012 |
| 316      | 10       | Bias                | 0.849      | 0.84        | -0.009 |
| 317      | 10       | Bias                | 0.861      | 0.849       | -0.012 |
| 318      | 10       | Unbiased            | 0.845      | 0.832       | -0.013 |
| 319      | 10       | Unbiased            | 0.857      | 0.849       | -0.008 |
| 320      | 10       | Unbiased            | 0.853      | 0.849       | -0.004 |
| 321      | 10       | Unbiased            | 0.861      | 0.84        | -0.021 |
| 322      | 10       | Unbiased            | 0.849      | 0.836       | -0.013 |
| 323      | 30       | Bias                | 0.857      | 0.828       | -0.029 |
| 324      | 30       | Bias                | 0.849      | 0.82        | -0.029 |
| 325      | 30       | Bias                | 0.849      | 0.812       | -0.037 |
| 326      | 30       | Bias                | 0.853      | 0.82        | -0.033 |
| 327      | 30       | Bias                | 0.861      | 0.828       | -0.033 |
| 328      | 30       | Unbiased            | 0.849      | 0.82        | -0.029 |
| 329      | 30       | Unbiased            | 0.861      | 0.836       | -0.025 |
| 330      | 30       | Unbiased            | 0.849      | 0.816       | -0.033 |
| 331      | 30       | Unbiased            | 0.857      | 0.824       | -0.033 |
| 332      | 30       | Unbiased            | 0.853      | 0.82        | -0.033 |
| 333      | 50       | Bias                | 0.853      | 0.812       | -0.041 |
| 334      | 50       | Bias                | 0.849      | 0.799       | -0.05  |
| 335      | 50       | Bias                | 0.853      | 0.795       | -0.058 |
| 336      | 50       | Bias                | 0.857      | 0.803       | -0.054 |
| 337      | 50       | Bias                | 0.857      | 0.803       | -0.054 |
| 338      | 50       | Unbiased            | 0.849      | 0.803       | -0.046 |
| 339      | 50       | Unbiased            | 0.849      | 0.795       | -0.054 |
| 340      | 50       | Unbiased            | 0.849      | 0.795       | -0.054 |
| 341      | 50       | Unbiased            | 0.861      | 0.808       | -0.053 |
| 342      | 50       | Unbiased            | 0.853      | 0.795       | -0.058 |
| 343      | 100      | Bias                | 0.857      | 0.766       | -0.091 |
| 344      | 100      | Bias                | 0.857      | 0.766       | -0.091 |
| 345      | 100      | Bias                | 0.853      | 0.754       | -0.099 |
| 346      | 100      | Bias                | 0.853      | 0.754       | -0.099 |
| 347      | 100      | Bias                | 0.853      | 0.762       | -0.091 |
| 348      | 100      | Unbiased            | 0.857      | 0.766       | -0.091 |
| 349      | 100      | Unbiased            | 0.865      | 0.779       | -0.086 |
| 350      | 100      | Unbiased            | 0.849      | 0.746       | -0.103 |
| 351      | 100      | Unbiased            | 0.853      | 0.75        | -0.103 |
| 352      | 100      | Unbiased            | 0.857      | 0.758       | -0.099 |

Test Statistics (V)

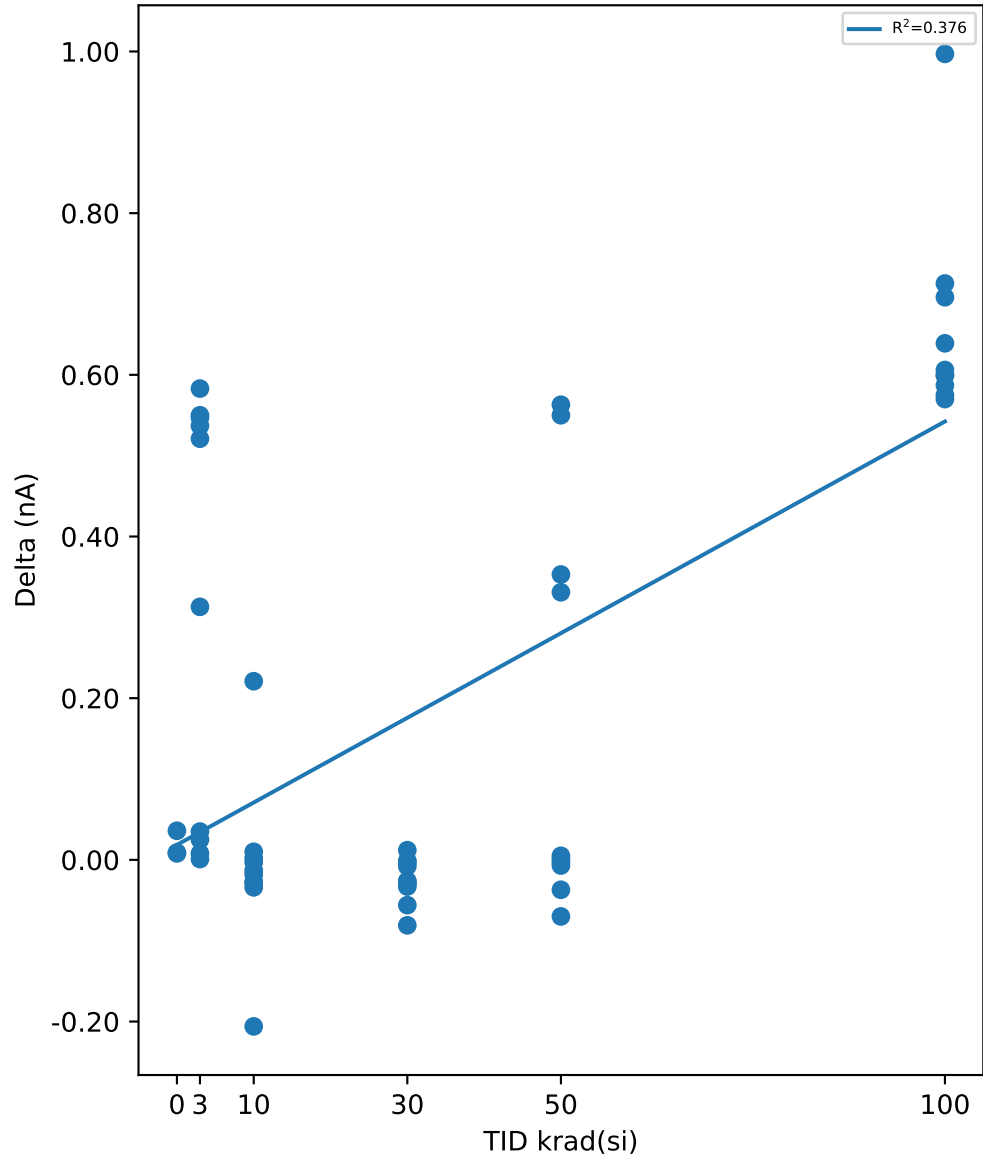
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 0.853            | 0.853            | 0.853            | 0                | 0.853             | 0.853             | 0.853             | 0                 | 0         | 0         | 0         | 0         |
| 3        | 0.845            | 0.855            | 0.865            | 0.0057349        | 0.845             | 0.8506            | 0.861             | 0.0050596         | -0.008    | -0.0044   | 0         | 0.0022706 |
| 10       | 0.845            | 0.8546           | 0.861            | 0.0057194        | 0.832             | 0.8429            | 0.849             | 0.0061905         | -0.021    | -0.0117   | -0.004    | 0.0043729 |
| 30       | 0.849            | 0.8538           | 0.861            | 0.0049171        | 0.812             | 0.8224            | 0.836             | 0.0068508         | -0.037    | -0.0314   | -0.025    | 0.0033731 |
| 50       | 0.849            | 0.853            | 0.861            | 0.0042164        | 0.795             | 0.8008            | 0.812             | 0.0060516         | -0.058    | -0.0522   | -0.041    | 0.0052662 |
| 100      | 0.849            | 0.8554           | 0.865            | 0.0042999        | 0.746             | 0.7601            | 0.779             | 0.0096891         | -0.103    | -0.0953   | -0.086    | 0.0059638 |

Device Test: 6.15 ; ILKG\_SR\_UVLO

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

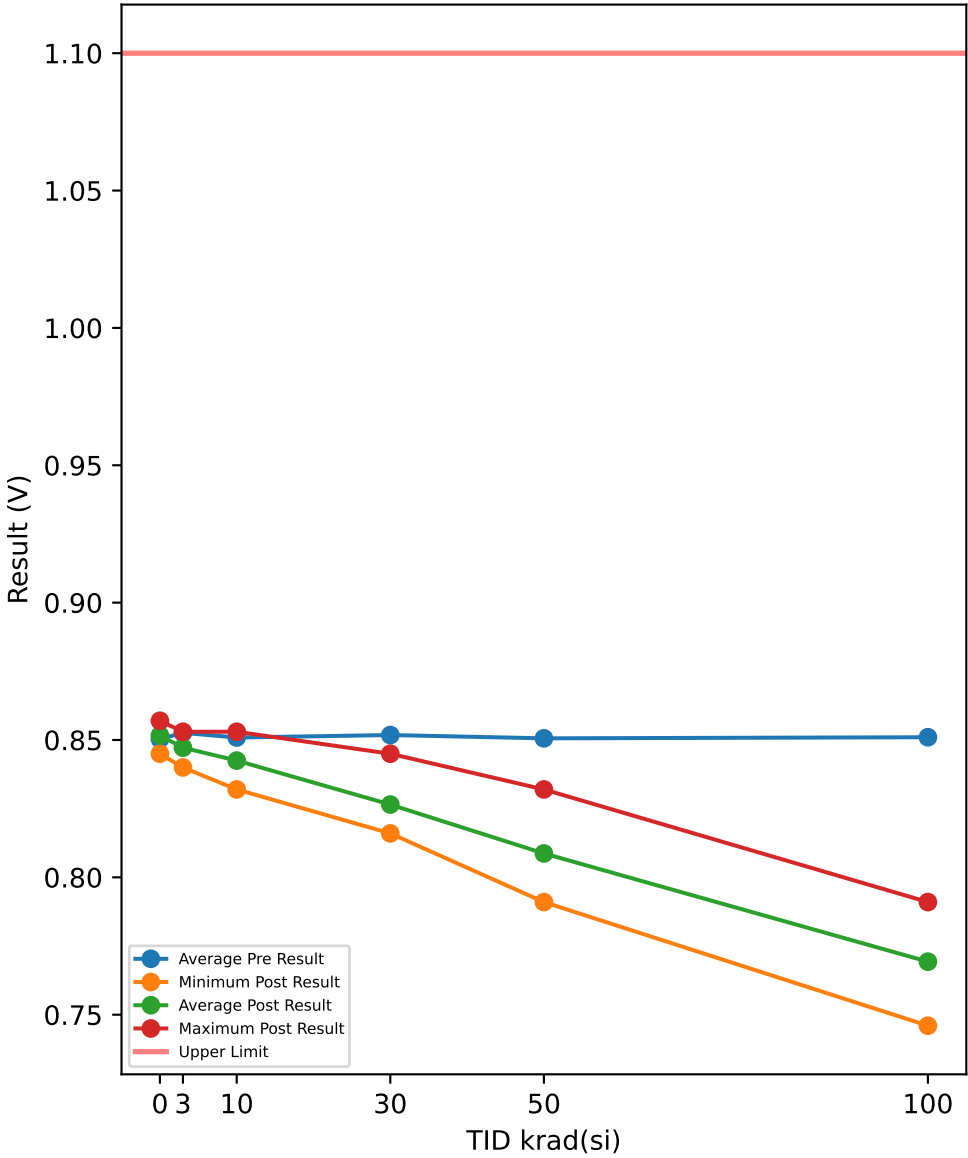
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 1.174      | 1.183       | 0.009  |
| 301      | 0        | Correlation         | 1.089      | 1.097       | 0.008  |
| 302      | 0        | Correlation         | 1.125      | 1.161       | 0.036  |
| 303      | 3        | Bias                | 0.83       | 1.38        | 0.55   |
| 304      | 3        | Bias                | 0.804      | 1.117       | 0.313  |
| 305      | 3        | Bias                | 0.593      | 1.114       | 0.521  |
| 306      | 3        | Bias                | 0.604      | 1.141       | 0.537  |
| 307      | 3        | Bias                | 0.565      | 1.148       | 0.583  |
| 308      | 3        | Unbiased            | 0.721      | 1.268       | 0.547  |
| 309      | 3        | Unbiased            | 1.103      | 1.138       | 0.035  |
| 310      | 3        | Unbiased            | 1.093      | 1.101       | 0.008  |
| 311      | 3        | Unbiased            | 1.181      | 1.182       | 0.001  |
| 312      | 3        | Unbiased            | 1.137      | 1.162       | 0.025  |
| 313      | 10       | Bias                | 1.178      | 1.165       | -0.013 |
| 314      | 10       | Bias                | 1.495      | 1.497       | 0.002  |
| 315      | 10       | Bias                | 1.226      | 1.192       | -0.034 |
| 316      | 10       | Bias                | 1.119      | 1.091       | -0.028 |
| 317      | 10       | Bias                | 1.171      | 1.144       | -0.027 |
| 318      | 10       | Unbiased            | 1.186      | 1.183       | -0.003 |
| 319      | 10       | Unbiased            | 1.108      | 1.09        | -0.018 |
| 320      | 10       | Unbiased            | 1.352      | 1.146       | -0.206 |
| 321      | 10       | Unbiased            | 1.15       | 1.371       | 0.221  |
| 322      | 10       | Unbiased            | 1.159      | 1.169       | 0.01   |
| 323      | 30       | Bias                | 1.148      | 1.122       | -0.026 |
| 324      | 30       | Bias                | 1.338      | 1.35        | 0.012  |
| 325      | 30       | Bias                | 1.176      | 1.149       | -0.027 |
| 326      | 30       | Bias                | 1.177      | 1.147       | -0.03  |
| 327      | 30       | Bias                | 1.163      | 1.16        | -0.003 |
| 328      | 30       | Unbiased            | 1.242      | 1.209       | -0.033 |
| 329      | 30       | Unbiased            | 1.194      | 1.138       | -0.056 |
| 330      | 30       | Unbiased            | 1.159      | 1.151       | -0.008 |
| 331      | 30       | Unbiased            | 1.14       | 1.139       | -0.001 |
| 332      | 30       | Unbiased            | 1.187      | 1.106       | -0.081 |
| 333      | 50       | Bias                | 1.258      | 1.188       | -0.07  |
| 334      | 50       | Bias                | 1.182      | 1.145       | -0.037 |
| 335      | 50       | Bias                | 1.128      | 1.129       | 0.001  |
| 336      | 50       | Bias                | 1.143      | 1.136       | -0.007 |
| 337      | 50       | Bias                | 1.166      | 1.163       | -0.003 |
| 338      | 50       | Unbiased            | 1.22       | 1.225       | 0.005  |
| 339      | 50       | Unbiased            | 0.695      | 1.245       | 0.55   |
| 340      | 50       | Unbiased            | 0.768      | 1.121       | 0.353  |
| 341      | 50       | Unbiased            | 0.853      | 1.184       | 0.331  |
| 342      | 50       | Unbiased            | 0.592      | 1.155       | 0.563  |
| 343      | 100      | Bias                | 0.574      | 1.149       | 0.575  |
| 344      | 100      | Bias                | 0.58       | 1.18        | 0.6    |
| 345      | 100      | Bias                | 1.671      | 2.668       | 0.997  |
| 346      | 100      | Bias                | 0.641      | 1.337       | 0.696  |
| 347      | 100      | Bias                | 0.666      | 1.272       | 0.606  |
| 348      | 100      | Unbiased            | 0.633      | 1.203       | 0.57   |
| 349      | 100      | Unbiased            | 0.602      | 1.201       | 0.599  |
| 350      | 100      | Unbiased            | 0.546      | 1.259       | 0.713  |
| 351      | 100      | Unbiased            | 0.621      | 1.208       | 0.587  |
| 352      | 100      | Unbiased            | 0.61       | 1.249       | 0.639  |

Test Statistics (nA)

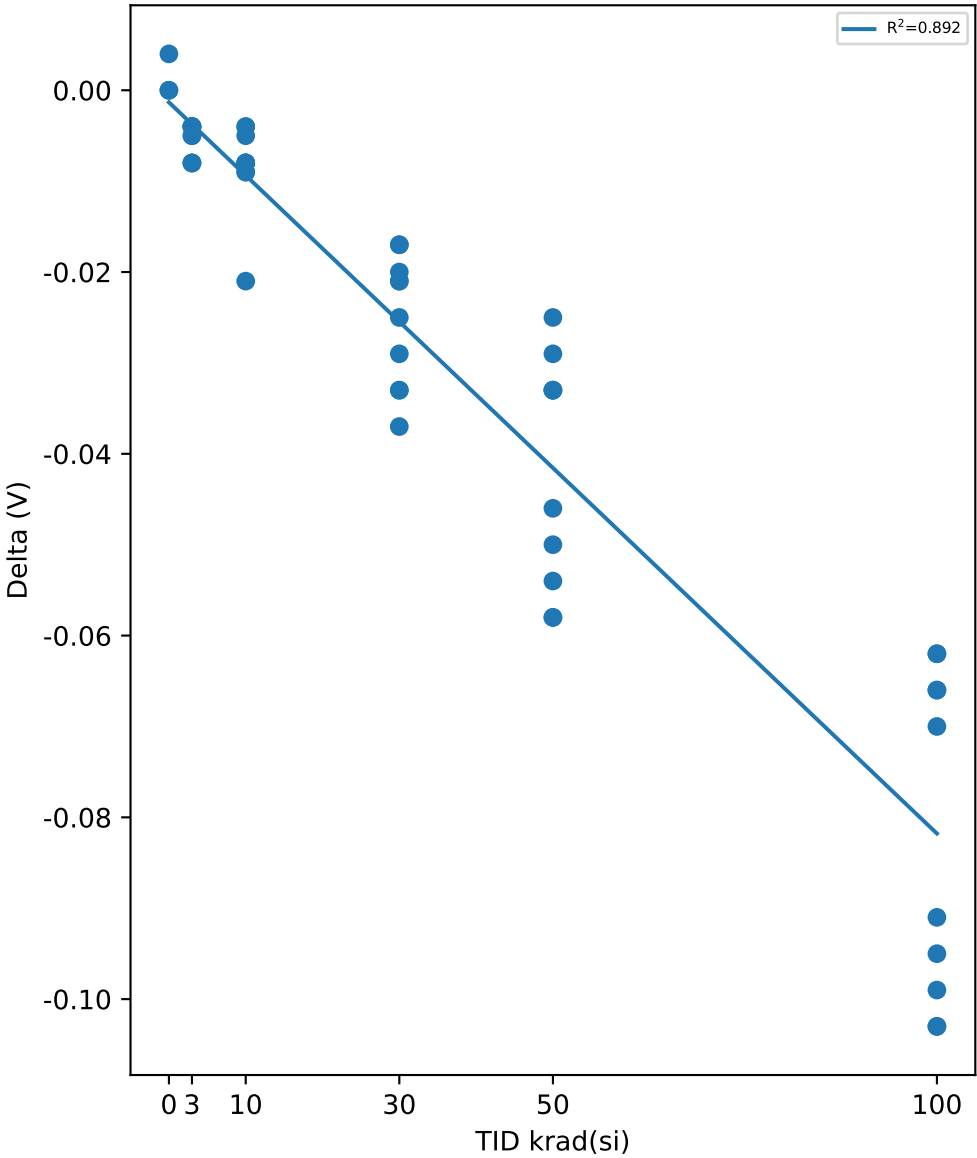
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 1.089            | 1.1293           | 1.174            | 0.042665         | 1.097             | 1.147             | 1.183             | 0.044677          | 0.008     | 0.017667  | 0.036     | 0.015885  |
| 3        | 0.565            | 0.8631           | 1.181            | 0.245            | 1.101             | 1.1751            | 1.38              | 0.086092          | 0.001     | 0.312     | 0.583     | 0.26412   |
| 10       | 1.108            | 1.2144           | 1.495            | 0.11993          | 1.09              | 1.2048            | 1.497             | 0.12901           | -0.206    | -0.0096   | 0.221     | 0.102     |
| 30       | 1.14             | 1.1924           | 1.338            | 0.058589         | 1.106             | 1.1671            | 1.35              | 0.069644          | -0.081    | -0.0253   | 0.012     | 0.027705  |
| 50       | 0.592            | 1.0005           | 1.258            | 0.24662          | 1.121             | 1.1691            | 1.245             | 0.04123           | -0.07     | 0.1686    | 0.563     | 0.25292   |
| 100      | 0.546            | 0.7144           | 1.671            | 0.33794          | 1.149             | 1.3726            | 2.668             | 0.45826           | 0.57      | 0.6582    | 0.997     | 0.12866   |

Device Test: 6.150; VPULLUP\_VALID

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 1.1 (V))

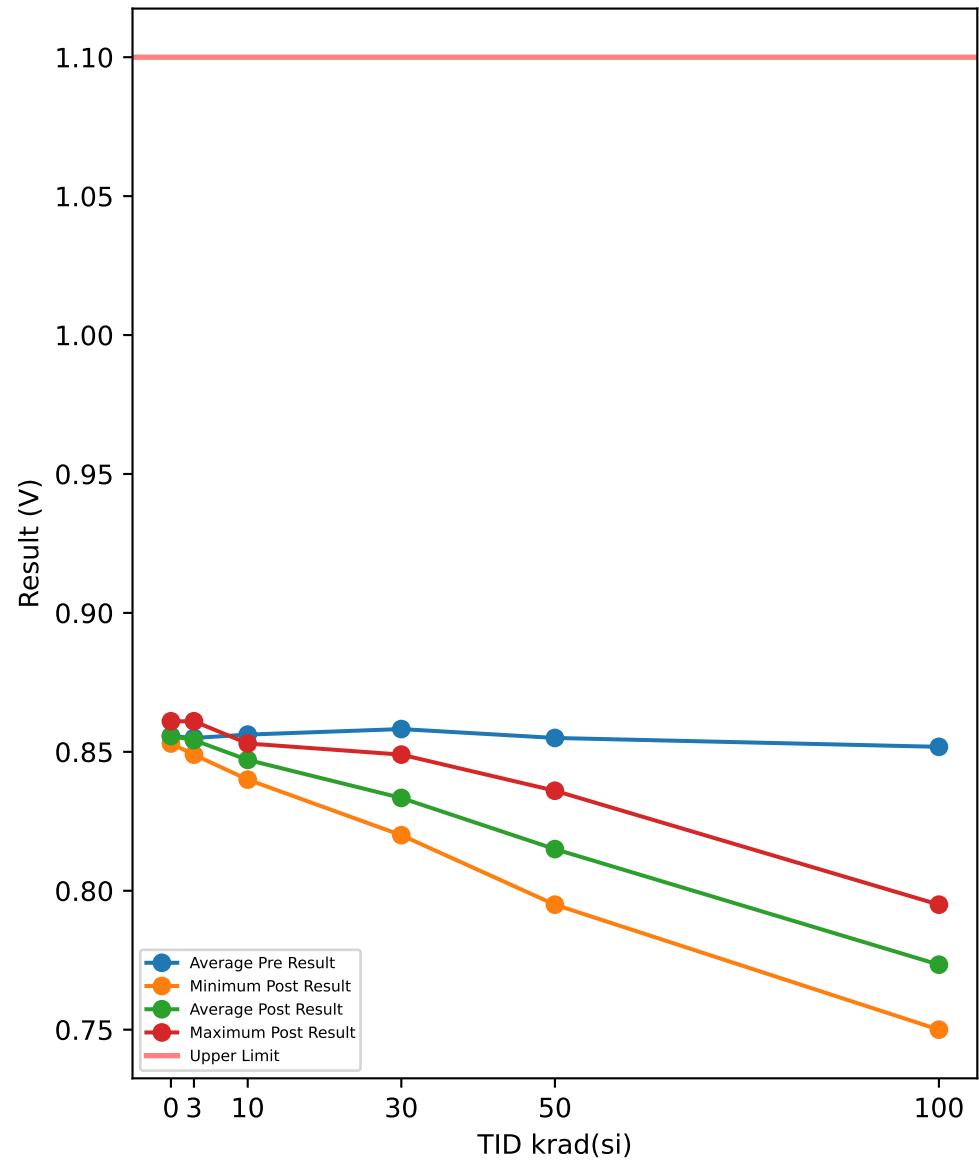
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.857      | 0.857       | 0      |
| 301      | 0        | Correlation         | 0.849      | 0.853       | 0.004  |
| 302      | 0        | Correlation         | 0.845      | 0.845       | 0      |
| 303      | 3        | Bias                | 0.849      | 0.845       | -0.004 |
| 304      | 3        | Bias                | 0.857      | 0.849       | -0.008 |
| 305      | 3        | Bias                | 0.861      | 0.853       | -0.008 |
| 306      | 3        | Bias                | 0.857      | 0.853       | -0.004 |
| 307      | 3        | Bias                | 0.857      | 0.853       | -0.004 |
| 308      | 3        | Unbiased            | 0.853      | 0.845       | -0.008 |
| 309      | 3        | Unbiased            | 0.853      | 0.849       | -0.004 |
| 310      | 3        | Unbiased            | 0.849      | 0.845       | -0.004 |
| 311      | 3        | Unbiased            | 0.845      | 0.84        | -0.005 |
| 312      | 3        | Unbiased            | 0.845      | 0.84        | -0.005 |
| 313      | 10       | Bias                | 0.857      | 0.853       | -0.004 |
| 314      | 10       | Bias                | 0.845      | 0.84        | -0.005 |
| 315      | 10       | Bias                | 0.857      | 0.849       | -0.008 |
| 316      | 10       | Bias                | 0.849      | 0.84        | -0.009 |
| 317      | 10       | Bias                | 0.857      | 0.849       | -0.008 |
| 318      | 10       | Unbiased            | 0.845      | 0.836       | -0.009 |
| 319      | 10       | Unbiased            | 0.853      | 0.845       | -0.008 |
| 320      | 10       | Unbiased            | 0.849      | 0.845       | -0.004 |
| 321      | 10       | Unbiased            | 0.857      | 0.836       | -0.021 |
| 322      | 10       | Unbiased            | 0.84       | 0.832       | -0.008 |
| 323      | 30       | Bias                | 0.853      | 0.836       | -0.017 |
| 324      | 30       | Bias                | 0.845      | 0.828       | -0.017 |
| 325      | 30       | Bias                | 0.845      | 0.824       | -0.021 |
| 326      | 30       | Bias                | 0.853      | 0.832       | -0.021 |
| 327      | 30       | Bias                | 0.865      | 0.845       | -0.02  |
| 328      | 30       | Unbiased            | 0.845      | 0.816       | -0.029 |
| 329      | 30       | Unbiased            | 0.857      | 0.832       | -0.025 |
| 330      | 30       | Unbiased            | 0.849      | 0.816       | -0.033 |
| 331      | 30       | Unbiased            | 0.853      | 0.816       | -0.037 |
| 332      | 30       | Unbiased            | 0.853      | 0.82        | -0.033 |
| 333      | 50       | Bias                | 0.857      | 0.832       | -0.025 |
| 334      | 50       | Bias                | 0.845      | 0.816       | -0.029 |
| 335      | 50       | Bias                | 0.849      | 0.816       | -0.033 |
| 336      | 50       | Bias                | 0.849      | 0.816       | -0.033 |
| 337      | 50       | Bias                | 0.853      | 0.82        | -0.033 |
| 338      | 50       | Unbiased            | 0.849      | 0.803       | -0.046 |
| 339      | 50       | Unbiased            | 0.849      | 0.799       | -0.05  |
| 340      | 50       | Unbiased            | 0.849      | 0.791       | -0.058 |
| 341      | 50       | Unbiased            | 0.857      | 0.803       | -0.054 |
| 342      | 50       | Unbiased            | 0.849      | 0.791       | -0.058 |
| 343      | 100      | Bias                | 0.853      | 0.791       | -0.062 |
| 344      | 100      | Bias                | 0.853      | 0.791       | -0.062 |
| 345      | 100      | Bias                | 0.849      | 0.783       | -0.066 |
| 346      | 100      | Bias                | 0.845      | 0.775       | -0.07  |
| 347      | 100      | Bias                | 0.845      | 0.779       | -0.066 |
| 348      | 100      | Unbiased            | 0.853      | 0.758       | -0.095 |
| 349      | 100      | Unbiased            | 0.861      | 0.77        | -0.091 |
| 350      | 100      | Unbiased            | 0.849      | 0.746       | -0.103 |
| 351      | 100      | Unbiased            | 0.849      | 0.746       | -0.103 |
| 352      | 100      | Unbiased            | 0.853      | 0.754       | -0.099 |

Test Statistics (V)

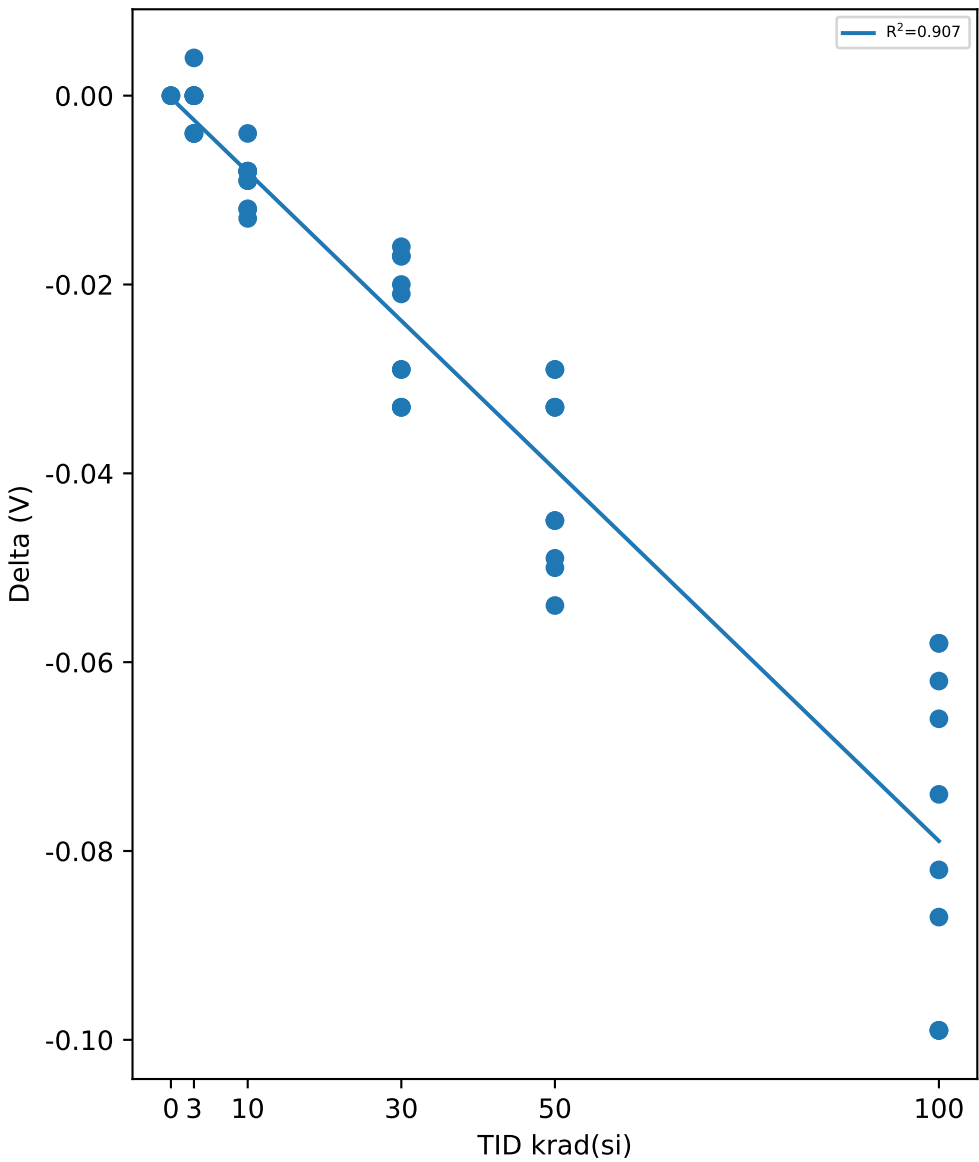
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 0.845            | 0.85033          | 0.857            | 0.0061101        | 0.845             | 0.85167           | 0.857             | 0.0061101         | 0         | 0.0013333 | 0.004     | 0.0023094 |
| 3        | 0.845            | 0.8526           | 0.861            | 0.0054813        | 0.84              | 0.8472            | 0.853             | 0.0050067         | -0.008    | -0.0054   | -0.004    | 0.0018379 |
| 10       | 0.84             | 0.8509           | 0.857            | 0.0062263        | 0.832             | 0.8425            | 0.853             | 0.0067864         | -0.021    | -0.0084   | -0.004    | 0.0048351 |
| 30       | 0.845            | 0.8518           | 0.865            | 0.0062681        | 0.816             | 0.8265            | 0.845             | 0.0098573         | -0.037    | -0.0253   | -0.017    | 0.0072426 |
| 50       | 0.845            | 0.8506           | 0.857            | 0.0038644        | 0.791             | 0.8087            | 0.832             | 0.0134            | -0.058    | -0.0419   | -0.025    | 0.012635  |
| 100      | 0.845            | 0.851            | 0.861            | 0.004714         | 0.746             | 0.7693            | 0.791             | 0.017334          | -0.103    | -0.0817   | -0.062    | 0.017876  |



TID vs Result Stats



TID vs Post - Pre Exposure Delta



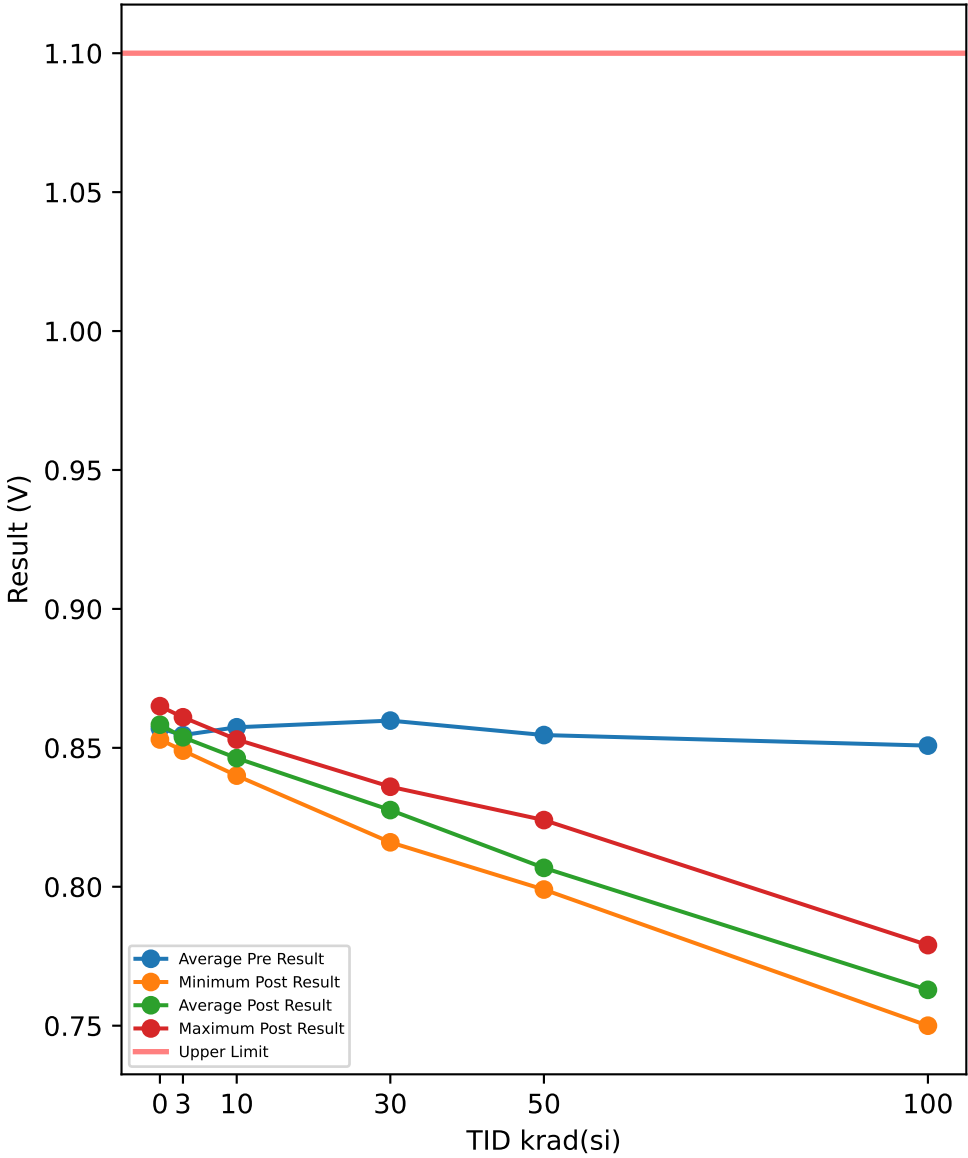
Test Results (Upper Limit = 1.1 (V))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.861      | 0.861       | 0      |
| 301      | 0        | Correlation         | 0.853      | 0.853       | 0      |
| 302      | 0        | Correlation         | 0.853      | 0.853       | 0      |
| 303      | 3        | Bias                | 0.853      | 0.853       | 0      |
| 304      | 3        | Bias                | 0.853      | 0.853       | 0      |
| 305      | 3        | Bias                | 0.857      | 0.861       | 0.004  |
| 306      | 3        | Bias                | 0.857      | 0.857       | 0      |
| 307      | 3        | Bias                | 0.857      | 0.857       | 0      |
| 308      | 3        | Unbiased            | 0.853      | 0.853       | 0      |
| 309      | 3        | Unbiased            | 0.861      | 0.857       | -0.004 |
| 310      | 3        | Unbiased            | 0.857      | 0.853       | -0.004 |
| 311      | 3        | Unbiased            | 0.853      | 0.849       | -0.004 |
| 312      | 3        | Unbiased            | 0.849      | 0.849       | 0      |
| 313      | 10       | Bias                | 0.857      | 0.853       | -0.004 |
| 314      | 10       | Bias                | 0.849      | 0.84        | -0.009 |
| 315      | 10       | Bias                | 0.861      | 0.853       | -0.008 |
| 316      | 10       | Bias                | 0.857      | 0.849       | -0.008 |
| 317      | 10       | Bias                | 0.861      | 0.853       | -0.008 |
| 318      | 10       | Unbiased            | 0.849      | 0.84        | -0.009 |
| 319      | 10       | Unbiased            | 0.861      | 0.849       | -0.012 |
| 320      | 10       | Unbiased            | 0.857      | 0.849       | -0.008 |
| 321      | 10       | Unbiased            | 0.857      | 0.845       | -0.012 |
| 322      | 10       | Unbiased            | 0.853      | 0.84        | -0.013 |
| 323      | 30       | Bias                | 0.861      | 0.845       | -0.016 |
| 324      | 30       | Bias                | 0.853      | 0.836       | -0.017 |
| 325      | 30       | Bias                | 0.853      | 0.832       | -0.021 |
| 326      | 30       | Bias                | 0.857      | 0.84        | -0.017 |
| 327      | 30       | Bias                | 0.869      | 0.849       | -0.02  |
| 328      | 30       | Unbiased            | 0.849      | 0.82        | -0.029 |
| 329      | 30       | Unbiased            | 0.865      | 0.836       | -0.029 |
| 330      | 30       | Unbiased            | 0.857      | 0.824       | -0.033 |
| 331      | 30       | Unbiased            | 0.857      | 0.824       | -0.033 |
| 332      | 30       | Unbiased            | 0.861      | 0.828       | -0.033 |
| 333      | 50       | Bias                | 0.865      | 0.836       | -0.029 |
| 334      | 50       | Bias                | 0.849      | 0.82        | -0.029 |
| 335      | 50       | Bias                | 0.853      | 0.82        | -0.033 |
| 336      | 50       | Bias                | 0.853      | 0.82        | -0.033 |
| 337      | 50       | Bias                | 0.861      | 0.828       | -0.033 |
| 338      | 50       | Unbiased            | 0.857      | 0.812       | -0.045 |
| 339      | 50       | Unbiased            | 0.853      | 0.808       | -0.045 |
| 340      | 50       | Unbiased            | 0.853      | 0.803       | -0.05  |
| 341      | 50       | Unbiased            | 0.857      | 0.808       | -0.049 |
| 342      | 50       | Unbiased            | 0.849      | 0.795       | -0.054 |
| 343      | 100      | Bias                | 0.849      | 0.783       | -0.066 |
| 344      | 100      | Bias                | 0.853      | 0.795       | -0.058 |
| 345      | 100      | Bias                | 0.849      | 0.791       | -0.058 |
| 346      | 100      | Bias                | 0.845      | 0.783       | -0.062 |
| 347      | 100      | Bias                | 0.849      | 0.775       | -0.074 |
| 348      | 100      | Unbiased            | 0.853      | 0.766       | -0.087 |
| 349      | 100      | Unbiased            | 0.861      | 0.779       | -0.082 |
| 350      | 100      | Unbiased            | 0.849      | 0.75        | -0.099 |
| 351      | 100      | Unbiased            | 0.853      | 0.754       | -0.099 |
| 352      | 100      | Unbiased            | 0.857      | 0.758       | -0.099 |

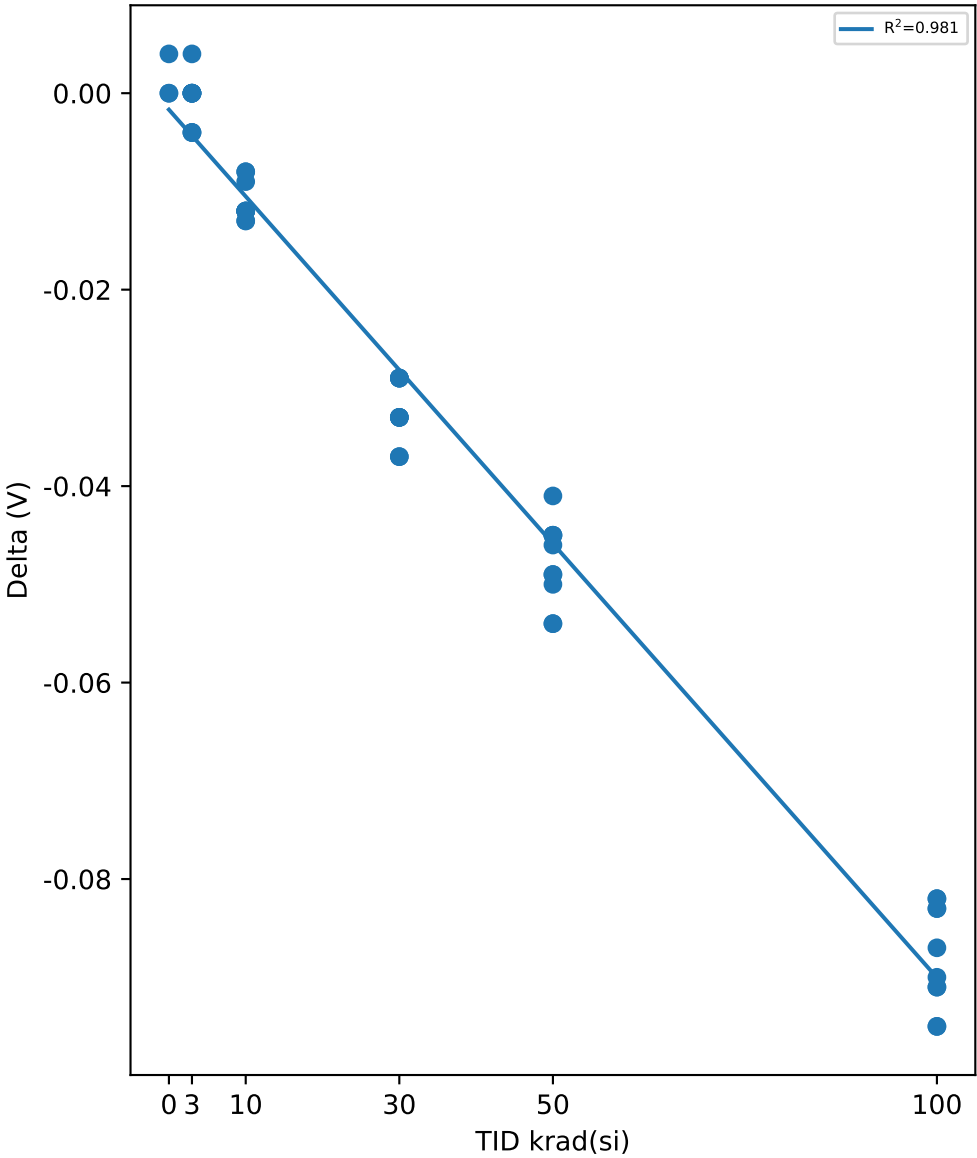
Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 0.853            | 0.85567          | 0.861            | 0.0046188        | 0.853             | 0.85567           | 0.861             | 0.0046188         | 0         | 0         | 0         | 0         |
| 3        | 0.849            | 0.855            | 0.861            | 0.0033993        | 0.849             | 0.8542            | 0.861             | 0.0037947         | -0.004    | -0.0008   | 0.004     | 0.0025298 |
| 10       | 0.849            | 0.8562           | 0.861            | 0.0045412        | 0.84              | 0.8471            | 0.853             | 0.0054863         | -0.013    | -0.0091   | -0.004    | 0.0026437 |
| 30       | 0.849            | 0.8582           | 0.869            | 0.0059777        | 0.82              | 0.8334            | 0.849             | 0.0095592         | -0.033    | -0.0248   | -0.016    | 0.0072541 |
| 50       | 0.849            | 0.855            | 0.865            | 0.0050772        | 0.795             | 0.815             | 0.836             | 0.012184          | -0.054    | -0.04     | -0.029    | 0.0095219 |
| 100      | 0.845            | 0.8518           | 0.861            | 0.004638         | 0.75              | 0.7734            | 0.795             | 0.015672          | -0.099    | -0.0784   | -0.058    | 0.017109  |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



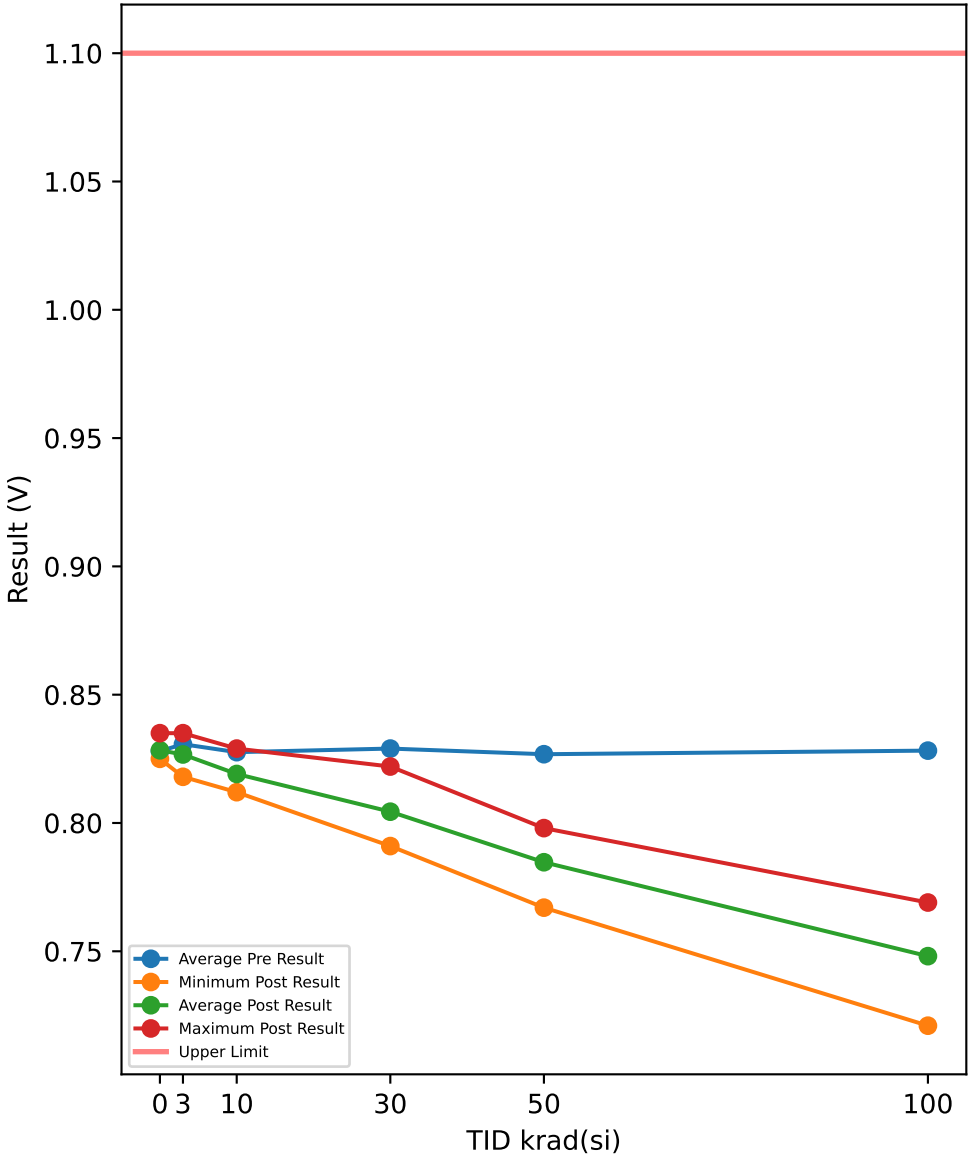
Test Results (Upper Limit = 1.1 (V))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.865      | 0.865       | 0      |
| 301      | 0        | Correlation         | 0.853      | 0.857       | 0.004  |
| 302      | 0        | Correlation         | 0.853      | 0.853       | 0      |
| 303      | 3        | Bias                | 0.849      | 0.849       | 0      |
| 304      | 3        | Bias                | 0.853      | 0.853       | 0      |
| 305      | 3        | Bias                | 0.857      | 0.857       | 0      |
| 306      | 3        | Bias                | 0.853      | 0.853       | 0      |
| 307      | 3        | Bias                | 0.857      | 0.861       | 0.004  |
| 308      | 3        | Unbiased            | 0.853      | 0.853       | 0      |
| 309      | 3        | Unbiased            | 0.861      | 0.861       | 0      |
| 310      | 3        | Unbiased            | 0.853      | 0.849       | -0.004 |
| 311      | 3        | Unbiased            | 0.853      | 0.849       | -0.004 |
| 312      | 3        | Unbiased            | 0.857      | 0.853       | -0.004 |
| 313      | 10       | Bias                | 0.861      | 0.849       | -0.012 |
| 314      | 10       | Bias                | 0.853      | 0.84        | -0.013 |
| 315      | 10       | Bias                | 0.861      | 0.849       | -0.012 |
| 316      | 10       | Bias                | 0.861      | 0.853       | -0.008 |
| 317      | 10       | Bias                | 0.861      | 0.853       | -0.008 |
| 318      | 10       | Unbiased            | 0.849      | 0.84        | -0.009 |
| 319      | 10       | Unbiased            | 0.861      | 0.849       | -0.012 |
| 320      | 10       | Unbiased            | 0.857      | 0.845       | -0.012 |
| 321      | 10       | Unbiased            | 0.857      | 0.845       | -0.012 |
| 322      | 10       | Unbiased            | 0.853      | 0.84        | -0.013 |
| 323      | 30       | Bias                | 0.861      | 0.832       | -0.029 |
| 324      | 30       | Bias                | 0.857      | 0.828       | -0.029 |
| 325      | 30       | Bias                | 0.853      | 0.816       | -0.037 |
| 326      | 30       | Bias                | 0.861      | 0.828       | -0.033 |
| 327      | 30       | Bias                | 0.869      | 0.836       | -0.033 |
| 328      | 30       | Unbiased            | 0.853      | 0.824       | -0.029 |
| 329      | 30       | Unbiased            | 0.865      | 0.836       | -0.029 |
| 330      | 30       | Unbiased            | 0.861      | 0.828       | -0.033 |
| 331      | 30       | Unbiased            | 0.857      | 0.824       | -0.033 |
| 332      | 30       | Unbiased            | 0.861      | 0.824       | -0.037 |
| 333      | 50       | Bias                | 0.869      | 0.824       | -0.045 |
| 334      | 50       | Bias                | 0.853      | 0.808       | -0.045 |
| 335      | 50       | Bias                | 0.853      | 0.799       | -0.054 |
| 336      | 50       | Bias                | 0.853      | 0.799       | -0.054 |
| 337      | 50       | Bias                | 0.861      | 0.812       | -0.049 |
| 338      | 50       | Unbiased            | 0.857      | 0.812       | -0.045 |
| 339      | 50       | Unbiased            | 0.849      | 0.808       | -0.041 |
| 340      | 50       | Unbiased            | 0.849      | 0.799       | -0.05  |
| 341      | 50       | Unbiased            | 0.857      | 0.808       | -0.049 |
| 342      | 50       | Unbiased            | 0.845      | 0.799       | -0.046 |
| 343      | 100      | Bias                | 0.853      | 0.77        | -0.083 |
| 344      | 100      | Bias                | 0.849      | 0.766       | -0.083 |
| 345      | 100      | Bias                | 0.853      | 0.762       | -0.091 |
| 346      | 100      | Bias                | 0.84       | 0.75        | -0.09  |
| 347      | 100      | Bias                | 0.84       | 0.758       | -0.082 |
| 348      | 100      | Unbiased            | 0.853      | 0.766       | -0.087 |
| 349      | 100      | Unbiased            | 0.861      | 0.779       | -0.082 |
| 350      | 100      | Unbiased            | 0.849      | 0.754       | -0.095 |
| 351      | 100      | Unbiased            | 0.853      | 0.758       | -0.095 |
| 352      | 100      | Unbiased            | 0.857      | 0.766       | -0.091 |

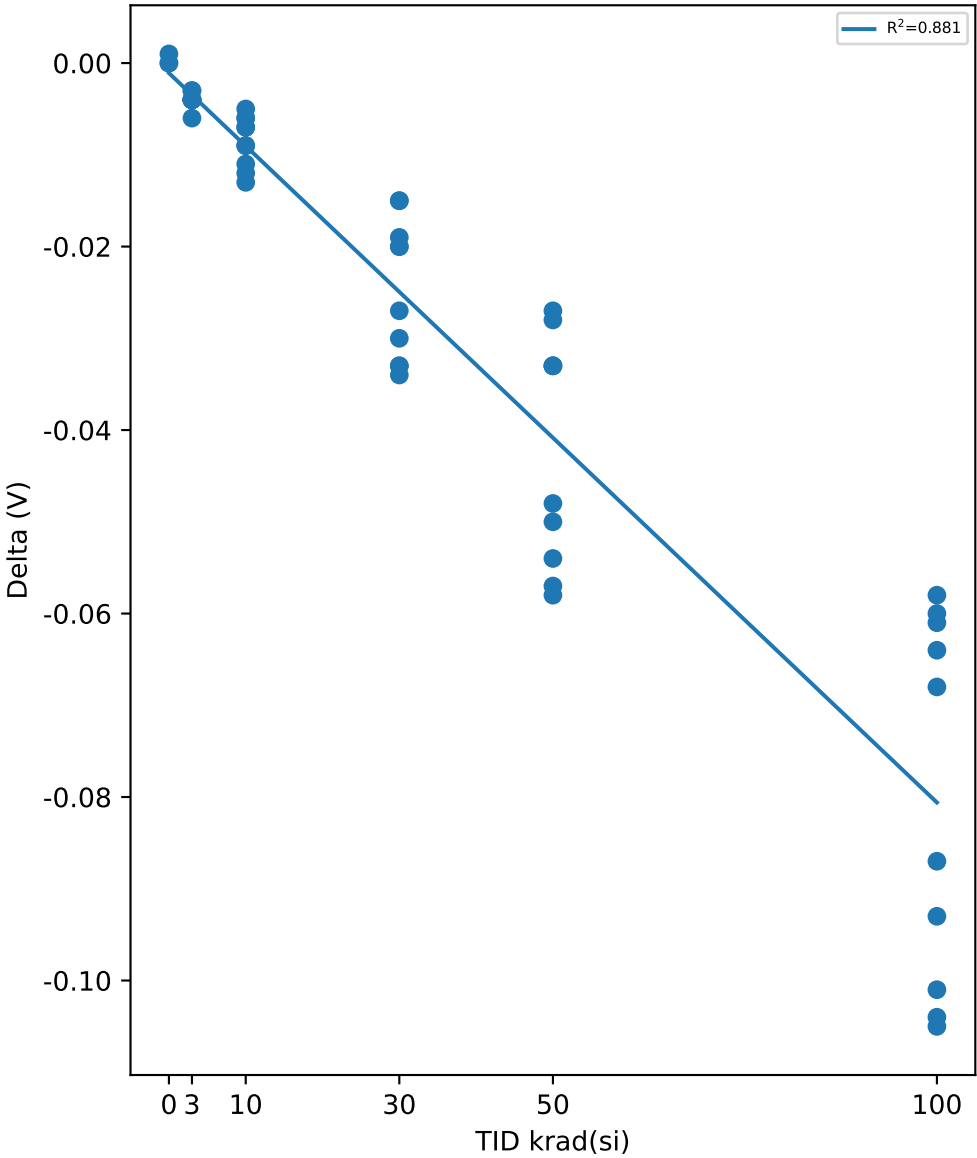
Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 0.853            | 0.857            | 0.865            | 0.0069282        | 0.853             | 0.85833           | 0.865             | 0.0061101         | 0         | 0.0013333 | 0.004     | 0.0023094 |
| 3        | 0.849            | 0.8546           | 0.861            | 0.0033731        | 0.849             | 0.8538            | 0.861             | 0.0045412         | -0.004    | -0.0008   | 0.004     | 0.0025298 |
| 10       | 0.849            | 0.8574           | 0.861            | 0.004402         | 0.84              | 0.8463            | 0.853             | 0.0051001         | -0.013    | -0.0111   | -0.008    | 0.0019692 |
| 30       | 0.853            | 0.8598           | 0.869            | 0.0050067        | 0.816             | 0.8276            | 0.836             | 0.0060955         | -0.037    | -0.0322   | -0.029    | 0.0031552 |
| 50       | 0.845            | 0.8546           | 0.869            | 0.0068508        | 0.799             | 0.8068            | 0.824             | 0.0081486         | -0.054    | -0.0478   | -0.041    | 0.0041846 |
| 100      | 0.84             | 0.8508           | 0.861            | 0.00668          | 0.75              | 0.7629            | 0.779             | 0.0083858         | -0.095    | -0.0879   | -0.082    | 0.0051951 |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 1.1 (V))

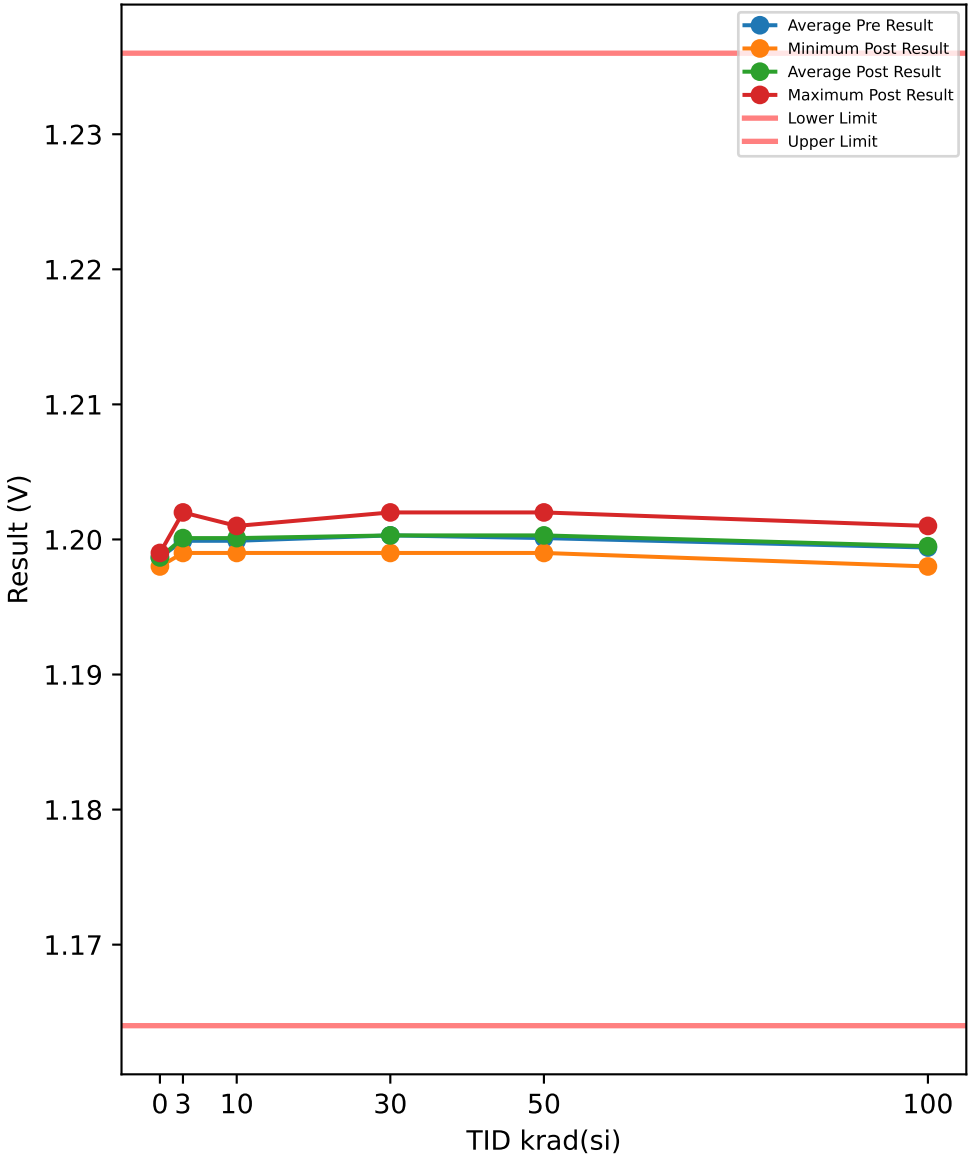
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.835      | 0.835       | 0      |
| 301      | 0        | Correlation         | 0.825      | 0.825       | 0      |
| 302      | 0        | Correlation         | 0.824      | 0.825       | 0.001  |
| 303      | 3        | Bias                | 0.831      | 0.827       | -0.004 |
| 304      | 3        | Bias                | 0.831      | 0.827       | -0.004 |
| 305      | 3        | Bias                | 0.833      | 0.829       | -0.004 |
| 306      | 3        | Bias                | 0.833      | 0.829       | -0.004 |
| 307      | 3        | Bias                | 0.839      | 0.835       | -0.004 |
| 308      | 3        | Unbiased            | 0.833      | 0.827       | -0.006 |
| 309      | 3        | Unbiased            | 0.833      | 0.829       | -0.004 |
| 310      | 3        | Unbiased            | 0.825      | 0.822       | -0.003 |
| 311      | 3        | Unbiased            | 0.822      | 0.818       | -0.004 |
| 312      | 3        | Unbiased            | 0.827      | 0.824       | -0.003 |
| 313      | 10       | Bias                | 0.835      | 0.829       | -0.006 |
| 314      | 10       | Bias                | 0.824      | 0.818       | -0.006 |
| 315      | 10       | Bias                | 0.831      | 0.824       | -0.007 |
| 316      | 10       | Bias                | 0.825      | 0.818       | -0.007 |
| 317      | 10       | Bias                | 0.827      | 0.822       | -0.005 |
| 318      | 10       | Unbiased            | 0.825      | 0.814       | -0.011 |
| 319      | 10       | Unbiased            | 0.833      | 0.824       | -0.009 |
| 320      | 10       | Unbiased            | 0.827      | 0.814       | -0.013 |
| 321      | 10       | Unbiased            | 0.825      | 0.816       | -0.009 |
| 322      | 10       | Unbiased            | 0.824      | 0.812       | -0.012 |
| 323      | 30       | Bias                | 0.833      | 0.818       | -0.015 |
| 324      | 30       | Bias                | 0.831      | 0.816       | -0.015 |
| 325      | 30       | Bias                | 0.822      | 0.802       | -0.02  |
| 326      | 30       | Bias                | 0.824      | 0.804       | -0.02  |
| 327      | 30       | Bias                | 0.841      | 0.822       | -0.019 |
| 328      | 30       | Unbiased            | 0.824      | 0.794       | -0.03  |
| 329      | 30       | Unbiased            | 0.837      | 0.81        | -0.027 |
| 330      | 30       | Unbiased            | 0.824      | 0.791       | -0.033 |
| 331      | 30       | Unbiased            | 0.825      | 0.791       | -0.034 |
| 332      | 30       | Unbiased            | 0.829      | 0.796       | -0.033 |
| 333      | 50       | Bias                | 0.822      | 0.794       | -0.028 |
| 334      | 50       | Bias                | 0.825      | 0.798       | -0.027 |
| 335      | 50       | Bias                | 0.825      | 0.792       | -0.033 |
| 336      | 50       | Bias                | 0.829      | 0.796       | -0.033 |
| 337      | 50       | Bias                | 0.829      | 0.796       | -0.033 |
| 338      | 50       | Unbiased            | 0.827      | 0.779       | -0.048 |
| 339      | 50       | Unbiased            | 0.825      | 0.775       | -0.05  |
| 340      | 50       | Unbiased            | 0.827      | 0.769       | -0.058 |
| 341      | 50       | Unbiased            | 0.835      | 0.781       | -0.054 |
| 342      | 50       | Unbiased            | 0.824      | 0.767       | -0.057 |
| 343      | 100      | Bias                | 0.825      | 0.765       | -0.06  |
| 344      | 100      | Bias                | 0.825      | 0.767       | -0.058 |
| 345      | 100      | Bias                | 0.833      | 0.769       | -0.064 |
| 346      | 100      | Bias                | 0.827      | 0.759       | -0.068 |
| 347      | 100      | Bias                | 0.824      | 0.763       | -0.061 |
| 348      | 100      | Unbiased            | 0.829      | 0.736       | -0.093 |
| 349      | 100      | Unbiased            | 0.843      | 0.756       | -0.087 |
| 350      | 100      | Unbiased            | 0.825      | 0.721       | -0.104 |
| 351      | 100      | Unbiased            | 0.829      | 0.724       | -0.105 |
| 352      | 100      | Unbiased            | 0.822      | 0.721       | -0.101 |

Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|------------|
| 0        | 0.824            | 0.828            | 0.835            | 0.0060828        | 0.825             | 0.82833           | 0.835             | 0.0057735         | 0         | 0.00033333 | 0.001     | 0.00057735 |
| 3        | 0.822            | 0.8307           | 0.839            | 0.0048546        | 0.818             | 0.8267            | 0.835             | 0.0045959         | -0.006    | -0.004     | -0.003    | 0.0008165  |
| 10       | 0.824            | 0.8276           | 0.835            | 0.0039777        | 0.812             | 0.8191            | 0.829             | 0.0054661         | -0.013    | -0.0085    | -0.005    | 0.0027588  |
| 30       | 0.822            | 0.829            | 0.841            | 0.0063944        | 0.791             | 0.8044            | 0.822             | 0.011568          | -0.034    | -0.0246    | -0.015    | 0.0076187  |
| 50       | 0.822            | 0.8268           | 0.835            | 0.0036148        | 0.767             | 0.7847            | 0.798             | 0.011889          | -0.058    | -0.0421    | -0.027    | 0.012423   |
| 100      | 0.822            | 0.8282           | 0.843            | 0.00607          | 0.721             | 0.7481            | 0.769             | 0.020218          | -0.105    | -0.0801    | -0.058    | 0.019734   |

Device Test: 6.155; VHYS

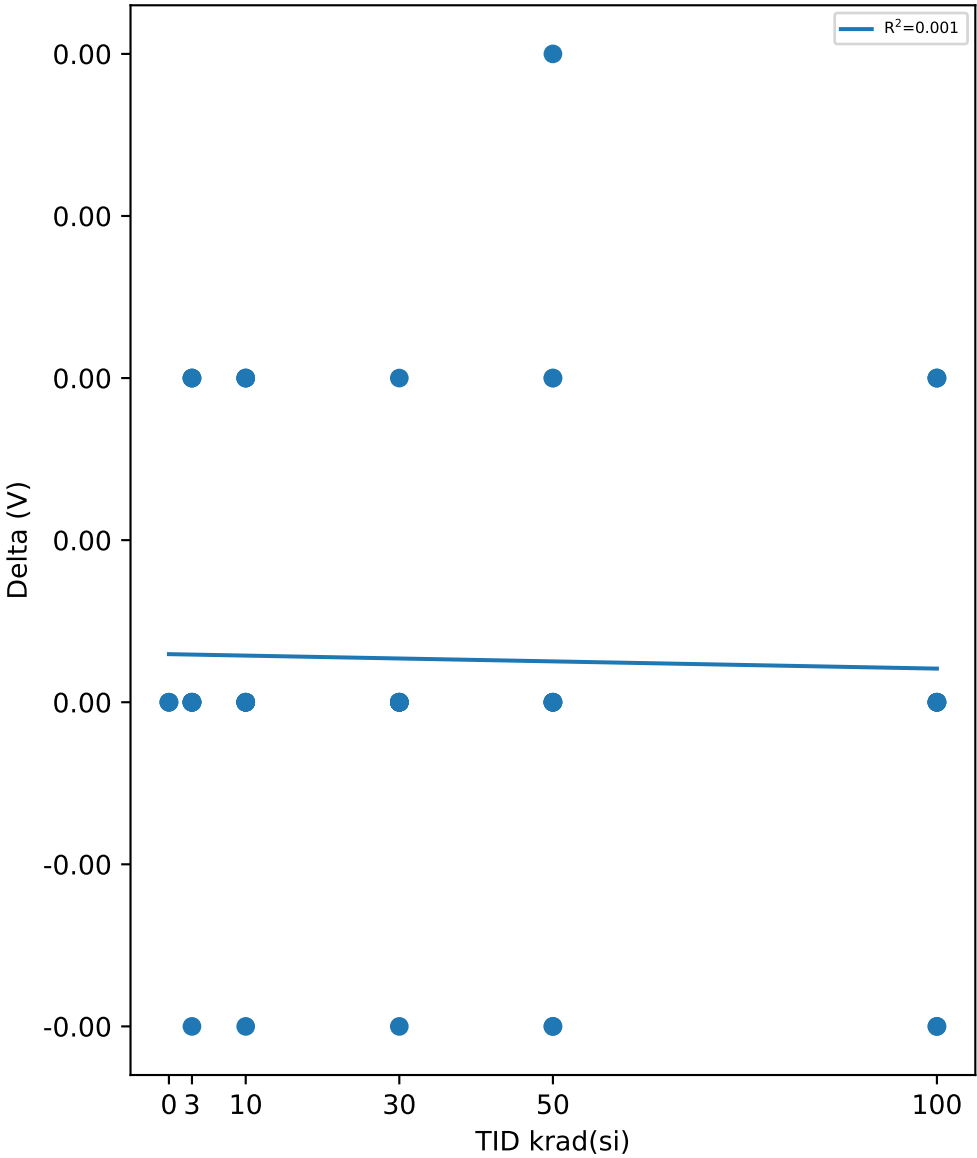
TID vs Result Stats



Test Results (Lower Limit = 1.164, Upper Limit = 1.236 (V))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 1.198      | 1.198       | 0      |
| 301      | 0        | Correlation         | 1.199      | 1.199       | 0      |
| 302      | 0        | Correlation         | 1.199      | 1.199       | 0      |
| 303      | 3        | Bias                | 1.2        | 1.2         | 0      |
| 304      | 3        | Bias                | 1.199      | 1.199       | 0      |
| 305      | 3        | Bias                | 1.201      | 1.202       | 0.001  |
| 306      | 3        | Bias                | 1.2        | 1.2         | 0      |
| 307      | 3        | Bias                | 1.201      | 1.2         | -0.001 |
| 308      | 3        | Unbiased            | 1.2        | 1.201       | 0.001  |
| 309      | 3        | Unbiased            | 1.199      | 1.2         | 0.001  |
| 310      | 3        | Unbiased            | 1.201      | 1.201       | 0      |
| 311      | 3        | Unbiased            | 1.199      | 1.199       | 0      |
| 312      | 3        | Unbiased            | 1.199      | 1.199       | 0      |
| 313      | 10       | Bias                | 1.2        | 1.2         | 0      |
| 314      | 10       | Bias                | 1.2        | 1.2         | 0      |
| 315      | 10       | Bias                | 1.2        | 1.201       | 0.001  |
| 316      | 10       | Bias                | 1.2        | 1.2         | 0      |
| 317      | 10       | Bias                | 1.2        | 1.2         | 0      |
| 318      | 10       | Unbiased            | 1.199      | 1.2         | 0.001  |
| 319      | 10       | Unbiased            | 1.199      | 1.199       | 0      |
| 320      | 10       | Unbiased            | 1.201      | 1.2         | -0.001 |
| 321      | 10       | Unbiased            | 1.2        | 1.201       | 0.001  |
| 322      | 10       | Unbiased            | 1.2        | 1.2         | 0      |
| 323      | 30       | Bias                | 1.2        | 1.2         | 0      |
| 324      | 30       | Bias                | 1.201      | 1.201       | 0      |
| 325      | 30       | Bias                | 1.201      | 1.2         | -0.001 |
| 326      | 30       | Bias                | 1.2        | 1.2         | 0      |
| 327      | 30       | Bias                | 1.202      | 1.202       | 0      |
| 328      | 30       | Unbiased            | 1.202      | 1.202       | 0      |
| 329      | 30       | Unbiased            | 1.199      | 1.2         | 0.001  |
| 330      | 30       | Unbiased            | 1.199      | 1.199       | 0      |
| 331      | 30       | Unbiased            | 1.2        | 1.2         | 0      |
| 332      | 30       | Unbiased            | 1.199      | 1.199       | 0      |
| 333      | 50       | Bias                | 1.199      | 1.199       | 0      |
| 334      | 50       | Bias                | 1.199      | 1.199       | 0      |
| 335      | 50       | Bias                | 1.2        | 1.199       | -0.001 |
| 336      | 50       | Bias                | 1.2        | 1.2         | 0      |
| 337      | 50       | Bias                | 1.202      | 1.201       | -0.001 |
| 338      | 50       | Unbiased            | 1.202      | 1.202       | 0      |
| 339      | 50       | Unbiased            | 1.201      | 1.201       | 0      |
| 340      | 50       | Unbiased            | 1.199      | 1.2         | 0.001  |
| 341      | 50       | Unbiased            | 1.199      | 1.2         | 0.001  |
| 342      | 50       | Unbiased            | 1.2        | 1.202       | 0.002  |
| 343      | 100      | Bias                | 1.198      | 1.198       | 0      |
| 344      | 100      | Bias                | 1.198      | 1.198       | 0      |
| 345      | 100      | Bias                | 1.201      | 1.2         | -0.001 |
| 346      | 100      | Bias                | 1.2        | 1.199       | -0.001 |
| 347      | 100      | Bias                | 1.2        | 1.201       | 0.001  |
| 348      | 100      | Unbiased            | 1.199      | 1.199       | 0      |
| 349      | 100      | Unbiased            | 1.199      | 1.2         | 0.001  |
| 350      | 100      | Unbiased            | 1.2        | 1.2         | 0      |
| 351      | 100      | Unbiased            | 1.2        | 1.2         | 0      |
| 352      | 100      | Unbiased            | 1.199      | 1.2         | 0.001  |

TID vs Post - Pre Exposure Delta

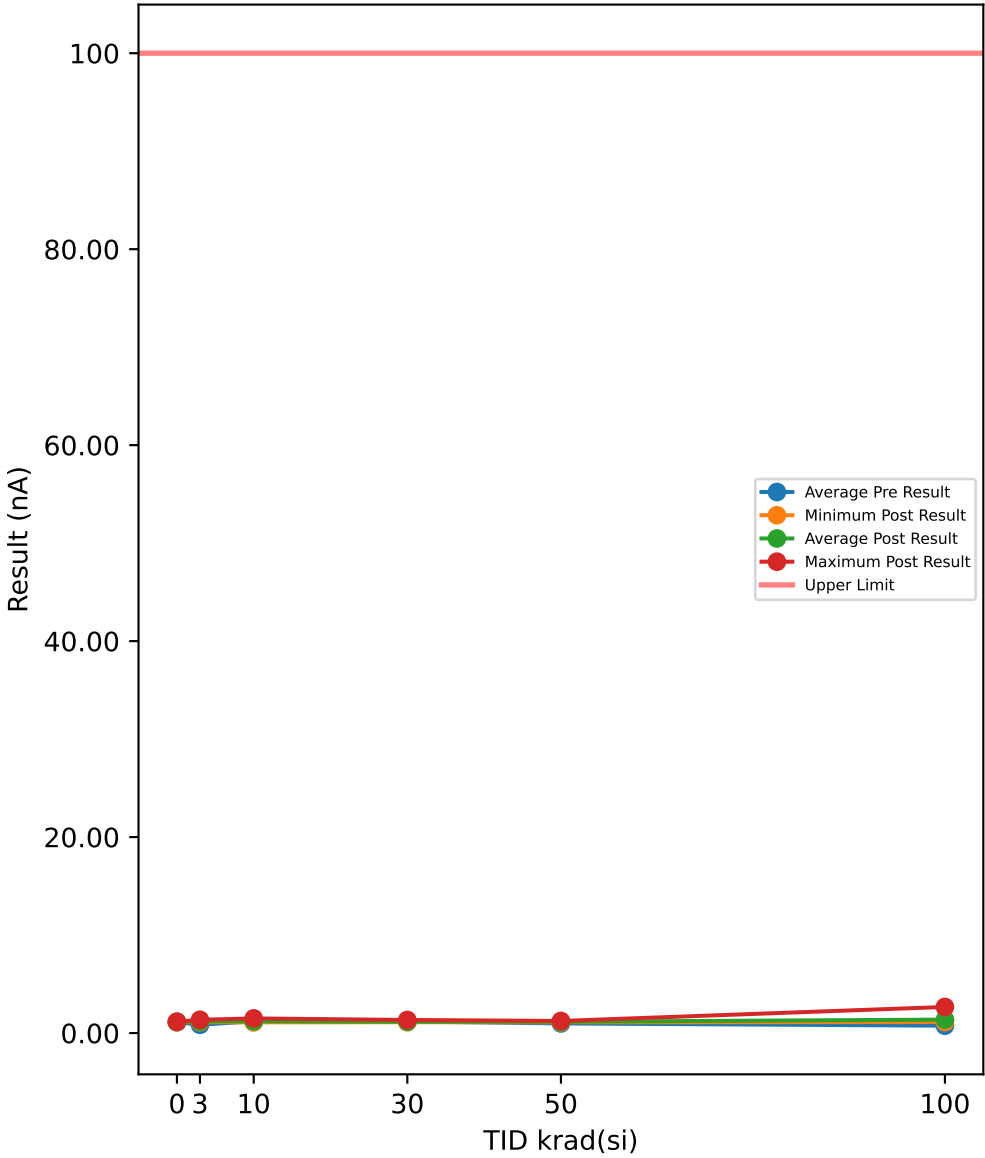


Test Statistics (V)

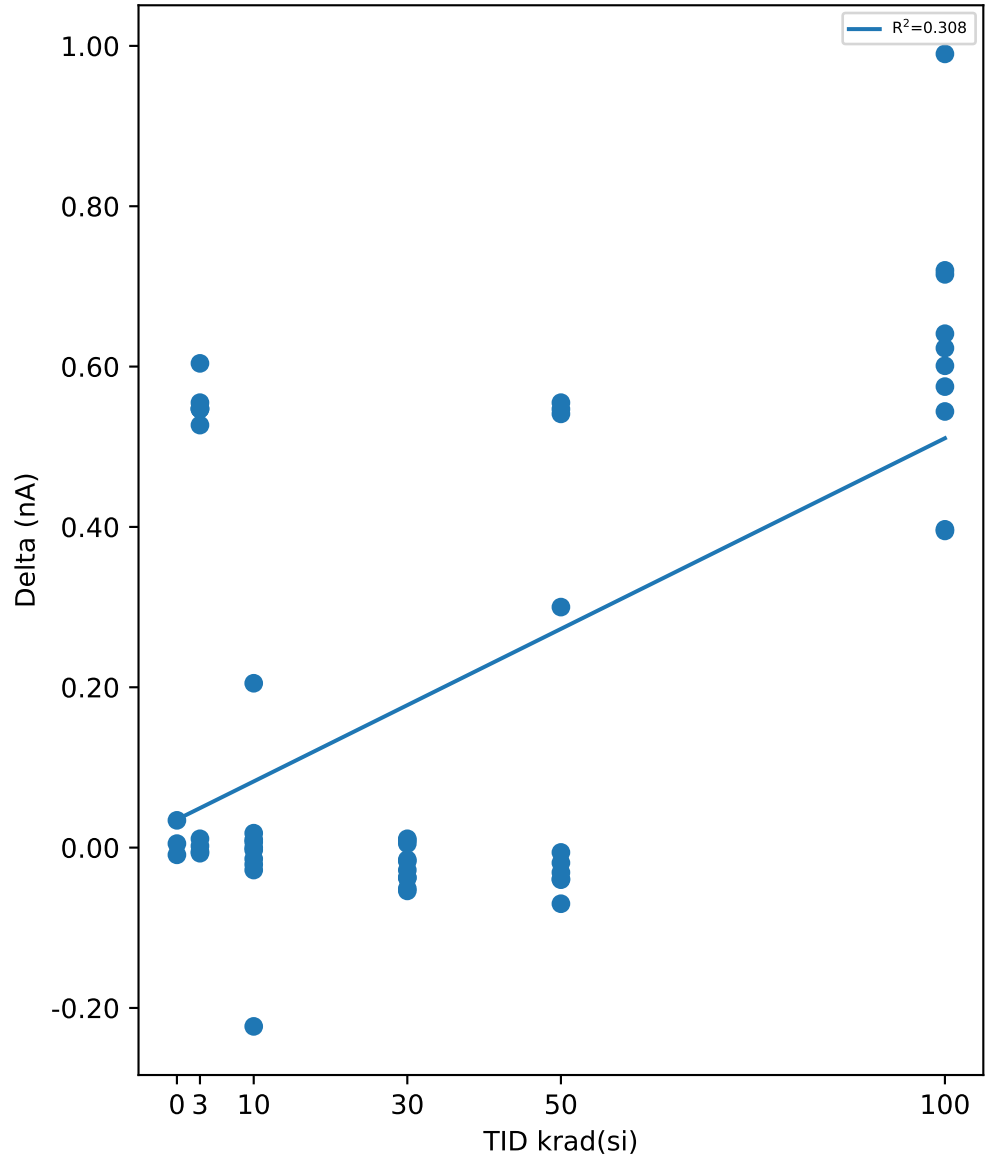
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|------------|
| 0        | 1.198            | 1.1987           | 1.199            | 0.00057735       | 1.198             | 1.1987            | 1.199             | 0.00057735        | 0         | 0           | 0         | 0          |
| 3        | 1.199            | 1.1999           | 1.201            | 0.0008756        | 1.199             | 1.2001            | 1.202             | 0.00099443        | -0.001    | 0.0002      | 0.001     | 0.00063246 |
| 10       | 1.199            | 1.1999           | 1.201            | 0.00056765       | 1.199             | 1.2001            | 1.201             | 0.00056765        | -0.001    | 0.0002      | 0.001     | 0.00063246 |
| 30       | 1.199            | 1.2003           | 1.202            | 0.0011595        | 1.199             | 1.2003            | 1.202             | 0.0010593         | -0.001    | -2.2204e-17 | 0.001     | 0.0004714  |
| 50       | 1.199            | 1.2001           | 1.202            | 0.0011972        | 1.199             | 1.2003            | 1.202             | 0.0011595         | -0.001    | 0.0002      | 0.002     | 0.00091894 |
| 100      | 1.198            | 1.1994           | 1.201            | 0.00096609       | 1.198             | 1.1995            | 1.201             | 0.00097183        | -0.001    | 0.0001      | 0.001     | 0.00073786 |

Device Test: 6.16 ; ILKG\_SR\_UVLO

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

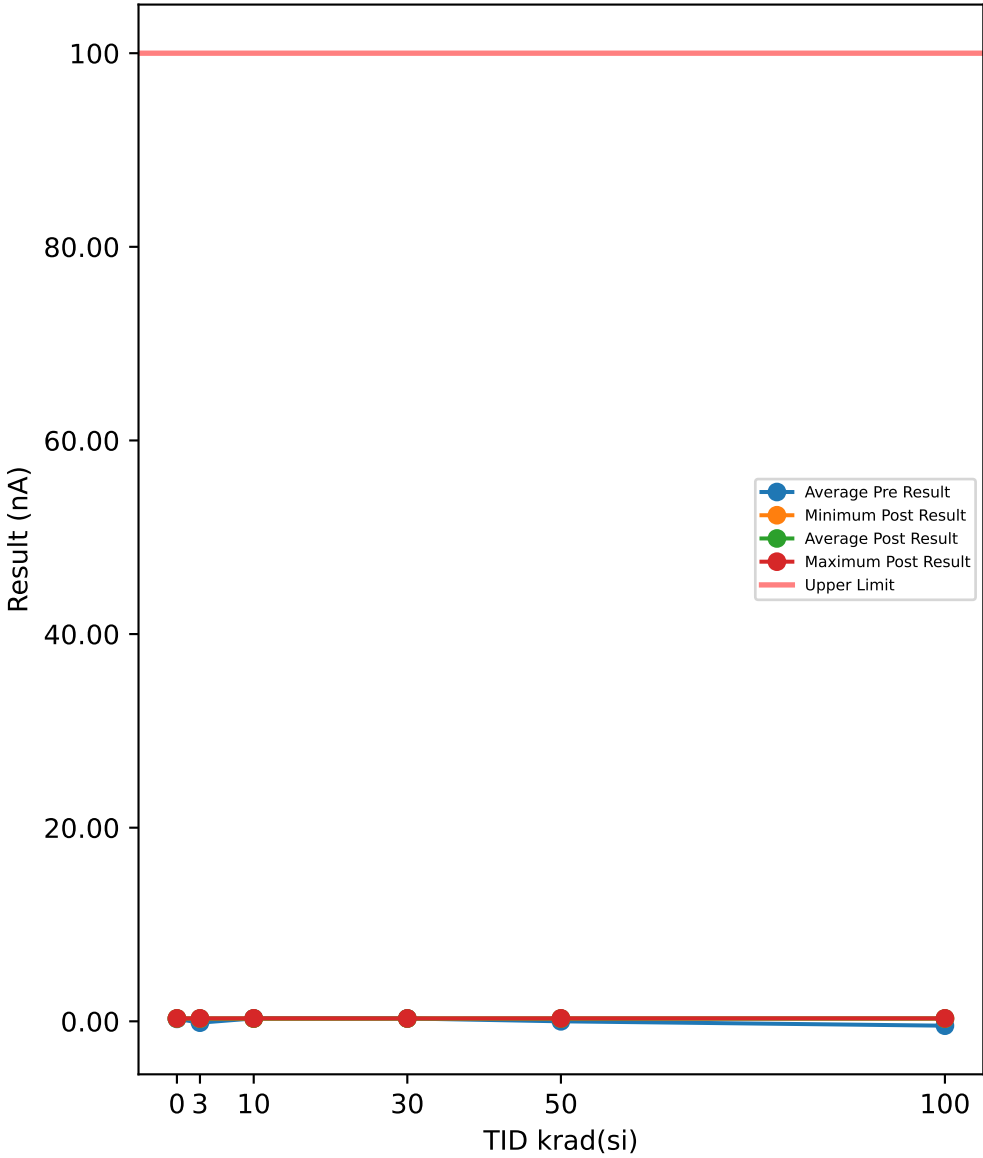
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 1.155      | 1.16        | 0.005  |
| 301      | 0        | Correlation         | 1.075      | 1.109       | 0.034  |
| 302      | 0        | Correlation         | 1.124      | 1.115       | -0.009 |
| 303      | 3        | Bias                | 0.805      | 1.353       | 0.548  |
| 304      | 3        | Bias                | 0.585      | 1.112       | 0.527  |
| 305      | 3        | Bias                | 0.557      | 1.112       | 0.555  |
| 306      | 3        | Bias                | 0.62       | 1.167       | 0.547  |
| 307      | 3        | Bias                | 0.551      | 1.155       | 0.604  |
| 308      | 3        | Unbiased            | 0.712      | 1.259       | 0.547  |
| 309      | 3        | Unbiased            | 1.136      | 1.129       | -0.007 |
| 310      | 3        | Unbiased            | 1.117      | 1.119       | 0.002  |
| 311      | 3        | Unbiased            | 1.158      | 1.153       | -0.005 |
| 312      | 3        | Unbiased            | 1.165      | 1.176       | 0.011  |
| 313      | 10       | Bias                | 1.169      | 1.166       | -0.003 |
| 314      | 10       | Bias                | 1.478      | 1.496       | 0.018  |
| 315      | 10       | Bias                | 1.22       | 1.199       | -0.021 |
| 316      | 10       | Bias                | 1.096      | 1.103       | 0.007  |
| 317      | 10       | Bias                | 1.159      | 1.145       | -0.014 |
| 318      | 10       | Unbiased            | 1.164      | 1.174       | 0.01   |
| 319      | 10       | Unbiased            | 1.118      | 1.09        | -0.028 |
| 320      | 10       | Unbiased            | 1.367      | 1.144       | -0.223 |
| 321      | 10       | Unbiased            | 1.171      | 1.376       | 0.205  |
| 322      | 10       | Unbiased            | 1.163      | 1.163       | 0      |
| 323      | 30       | Bias                | 1.113      | 1.122       | 0.009  |
| 324      | 30       | Bias                | 1.372      | 1.335       | -0.037 |
| 325      | 30       | Bias                | 1.149      | 1.154       | 0.005  |
| 326      | 30       | Bias                | 1.151      | 1.134       | -0.017 |
| 327      | 30       | Bias                | 1.172      | 1.157       | -0.015 |
| 328      | 30       | Unbiased            | 1.23       | 1.192       | -0.038 |
| 329      | 30       | Unbiased            | 1.182      | 1.154       | -0.028 |
| 330      | 30       | Unbiased            | 1.127      | 1.138       | 0.011  |
| 331      | 30       | Unbiased            | 1.168      | 1.114       | -0.054 |
| 332      | 30       | Unbiased            | 1.157      | 1.106       | -0.051 |
| 333      | 50       | Bias                | 1.233      | 1.202       | -0.031 |
| 334      | 50       | Bias                | 1.18       | 1.11        | -0.07  |
| 335      | 50       | Bias                | 1.122      | 1.103       | -0.019 |
| 336      | 50       | Bias                | 1.158      | 1.118       | -0.04  |
| 337      | 50       | Bias                | 1.17       | 1.164       | -0.006 |
| 338      | 50       | Unbiased            | 1.222      | 1.183       | -0.039 |
| 339      | 50       | Unbiased            | 0.935      | 1.235       | 0.3    |
| 340      | 50       | Unbiased            | 0.566      | 1.107       | 0.541  |
| 341      | 50       | Unbiased            | 0.637      | 1.184       | 0.547  |
| 342      | 50       | Unbiased            | 0.598      | 1.153       | 0.555  |
| 343      | 100      | Bias                | 0.577      | 1.121       | 0.544  |
| 344      | 100      | Bias                | 0.588      | 1.163       | 0.575  |
| 345      | 100      | Bias                | 1.674      | 2.664       | 0.99   |
| 346      | 100      | Bias                | 0.62       | 1.34        | 0.72   |
| 347      | 100      | Bias                | 0.65       | 1.291       | 0.641  |
| 348      | 100      | Unbiased            | 0.613      | 1.214       | 0.601  |
| 349      | 100      | Unbiased            | 0.8        | 1.197       | 0.397  |
| 350      | 100      | Unbiased            | 0.541      | 1.256       | 0.715  |
| 351      | 100      | Unbiased            | 0.617      | 1.24        | 0.623  |
| 352      | 100      | Unbiased            | 0.839      | 1.234       | 0.395  |

Test Statistics (nA)

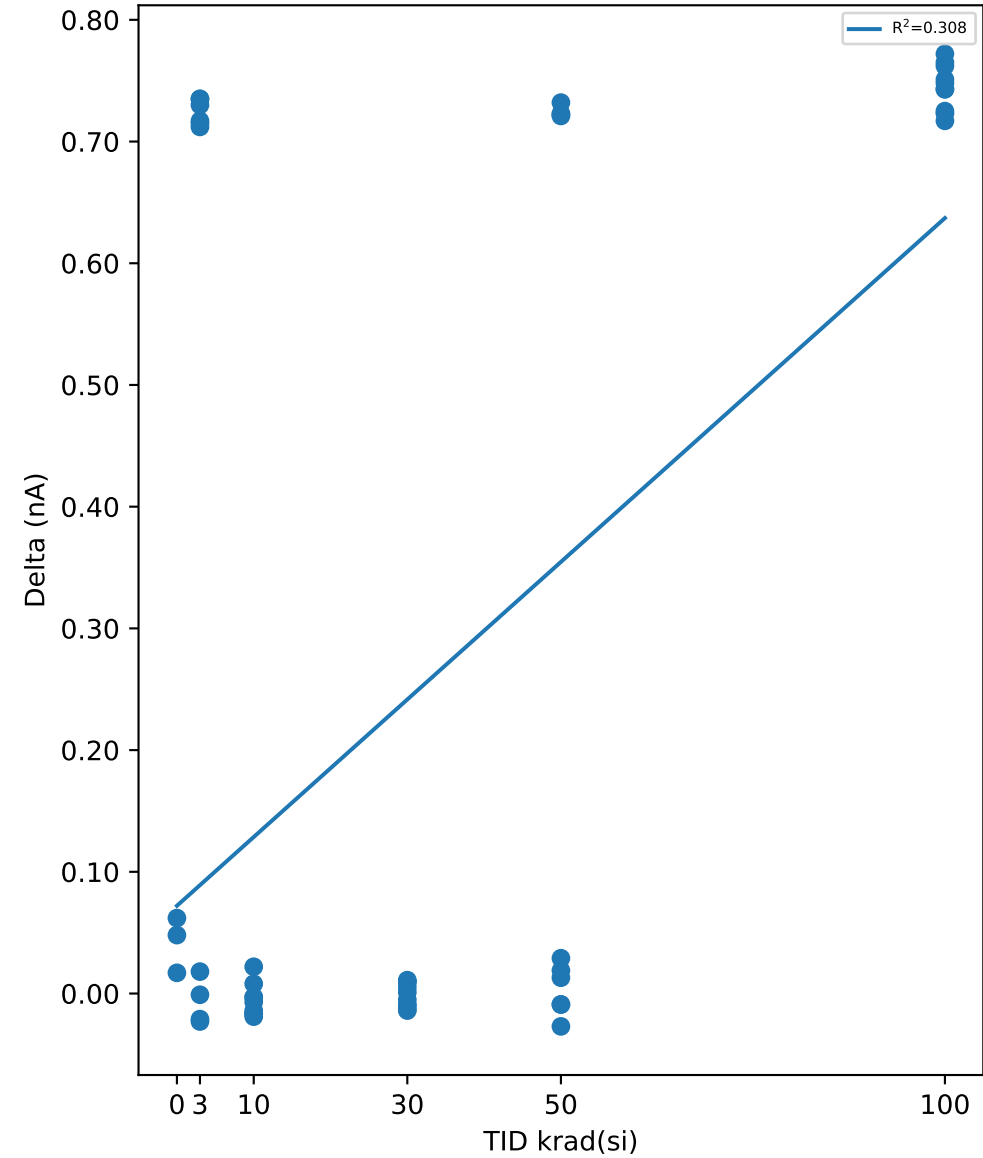
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 1.075            | 1.118            | 1.155            | 0.040336         | 1.109             | 1.128             | 1.16              | 0.027875          | -0.009    | 0.01      | 0.034     | 0.021932  |
| 3        | 0.551            | 0.8406           | 1.165            | 0.27198          | 1.112             | 1.1735            | 1.353             | 0.076635          | -0.007    | 0.3329    | 0.604     | 0.28699   |
| 10       | 1.096            | 1.2105           | 1.478            | 0.11933          | 1.09              | 1.2056            | 1.496             | 0.12873           | -0.223    | -0.0049   | 0.205     | 0.10188   |
| 30       | 1.113            | 1.1821           | 1.372            | 0.073908         | 1.106             | 1.1606            | 1.335             | 0.066133          | -0.054    | -0.0215   | 0.011     | 0.024112  |
| 50       | 0.566            | 0.9821           | 1.233            | 0.27638          | 1.103             | 1.1559            | 1.235             | 0.045598          | -0.07     | 0.1738    | 0.555     | 0.27833   |
| 100      | 0.541            | 0.7519           | 1.674            | 0.33786          | 1.121             | 1.372             | 2.664             | 0.45814           | 0.395     | 0.6201    | 0.99      | 0.17156   |



TID vs Result Stats



TID vs Post - Pre Exposure Delta

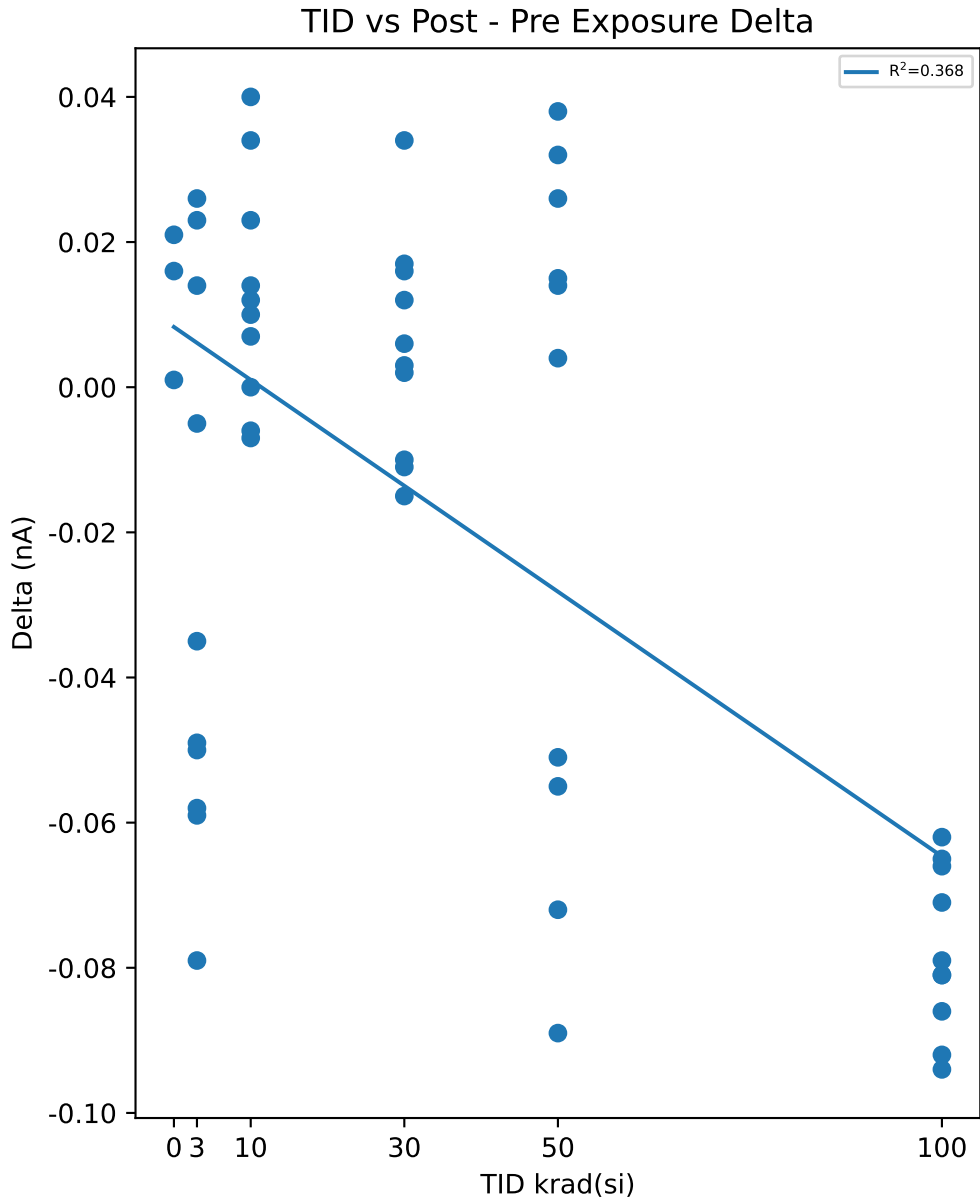
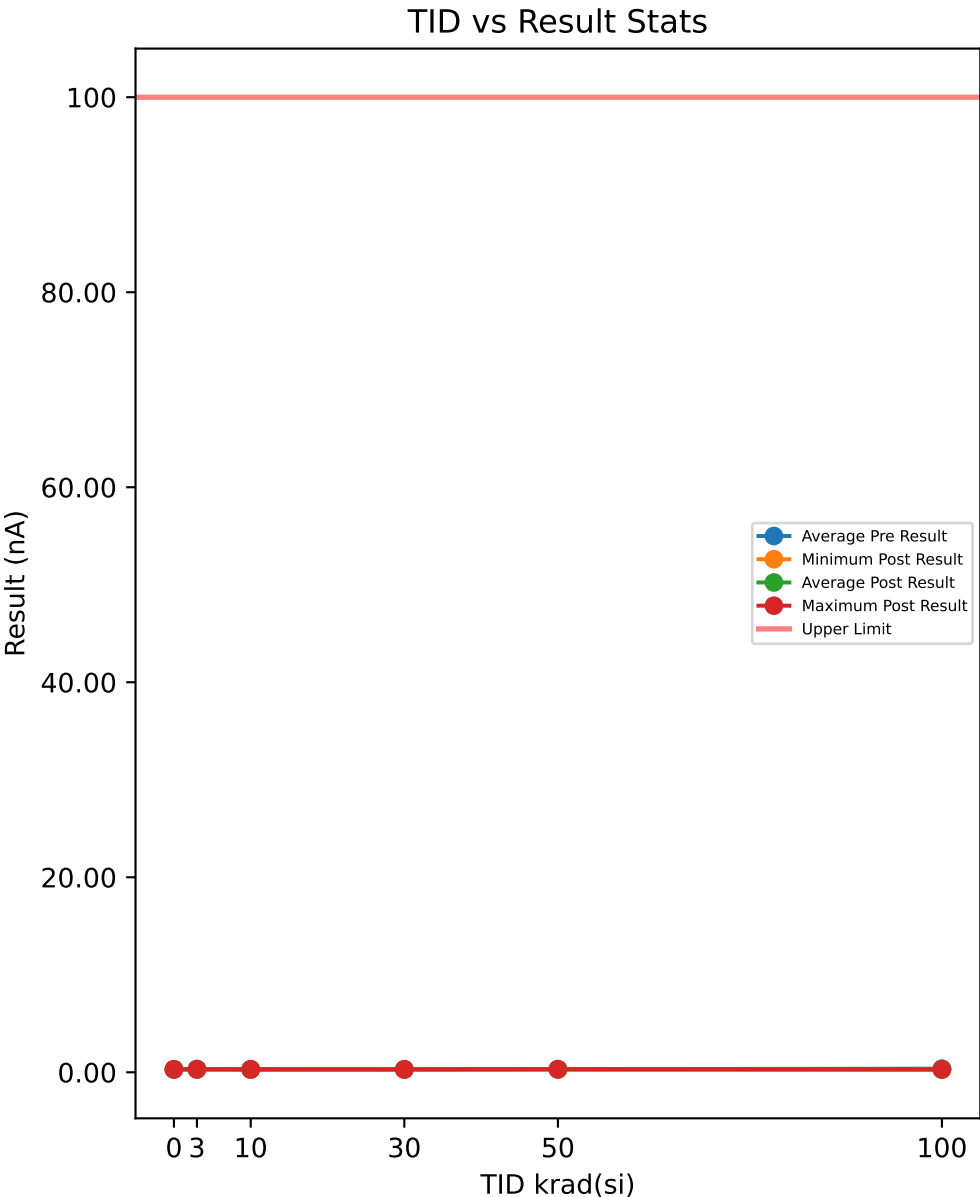


Test Results (Upper Limit = 100.0 (nA))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.243      | 0.305       | 0.062  |
| 301      | 0        | Correlation         | 0.241      | 0.289       | 0.048  |
| 302      | 0        | Correlation         | 0.27       | 0.287       | 0.017  |
| 303      | 3        | Bias                | -0.42      | 0.292       | 0.712  |
| 304      | 3        | Bias                | -0.427     | 0.288       | 0.715  |
| 305      | 3        | Bias                | -0.42      | 0.297       | 0.717  |
| 306      | 3        | Bias                | -0.434     | 0.296       | 0.73   |
| 307      | 3        | Bias                | -0.438     | 0.297       | 0.735  |
| 308      | 3        | Unbiased            | -0.466     | 0.269       | 0.735  |
| 309      | 3        | Unbiased            | 0.307      | 0.286       | -0.021 |
| 310      | 3        | Unbiased            | 0.301      | 0.3         | -0.001 |
| 311      | 3        | Unbiased            | 0.303      | 0.28        | -0.023 |
| 312      | 3        | Unbiased            | 0.288      | 0.306       | 0.018  |
| 313      | 10       | Bias                | 0.298      | 0.281       | -0.017 |
| 314      | 10       | Bias                | 0.292      | 0.273       | -0.019 |
| 315      | 10       | Bias                | 0.297      | 0.294       | -0.003 |
| 316      | 10       | Bias                | 0.3        | 0.293       | -0.007 |
| 317      | 10       | Bias                | 0.284      | 0.292       | 0.008  |
| 318      | 10       | Unbiased            | 0.306      | 0.29        | -0.016 |
| 319      | 10       | Unbiased            | 0.31       | 0.296       | -0.014 |
| 320      | 10       | Unbiased            | 0.288      | 0.31        | 0.022  |
| 321      | 10       | Unbiased            | 0.293      | 0.29        | -0.003 |
| 322      | 10       | Unbiased            | 0.298      | 0.281       | -0.017 |
| 323      | 30       | Bias                | 0.291      | 0.281       | -0.01  |
| 324      | 30       | Bias                | 0.287      | 0.298       | 0.011  |
| 325      | 30       | Bias                | 0.295      | 0.281       | -0.014 |
| 326      | 30       | Bias                | 0.288      | 0.289       | 0.001  |
| 327      | 30       | Bias                | 0.304      | 0.291       | -0.013 |
| 328      | 30       | Unbiased            | 0.289      | 0.298       | 0.009  |
| 329      | 30       | Unbiased            | 0.302      | 0.297       | -0.005 |
| 330      | 30       | Unbiased            | 0.304      | 0.295       | -0.009 |
| 331      | 30       | Unbiased            | 0.291      | 0.301       | 0.01   |
| 332      | 30       | Unbiased            | 0.286      | 0.291       | 0.005  |
| 333      | 50       | Bias                | 0.278      | 0.307       | 0.029  |
| 334      | 50       | Bias                | 0.303      | 0.276       | -0.027 |
| 335      | 50       | Bias                | 0.28       | 0.293       | 0.013  |
| 336      | 50       | Bias                | 0.294      | 0.285       | -0.009 |
| 337      | 50       | Bias                | 0.288      | 0.307       | 0.019  |
| 338      | 50       | Unbiased            | 0.286      | 0.277       | -0.009 |
| 339      | 50       | Unbiased            | -0.426     | 0.297       | 0.723  |
| 340      | 50       | Unbiased            | -0.426     | 0.296       | 0.722  |
| 341      | 50       | Unbiased            | -0.445     | 0.287       | 0.732  |
| 342      | 50       | Unbiased            | -0.437     | 0.284       | 0.721  |
| 343      | 100      | Bias                | -0.421     | 0.296       | 0.717  |
| 344      | 100      | Bias                | -0.467     | 0.298       | 0.765  |
| 345      | 100      | Bias                | -0.463     | 0.299       | 0.762  |
| 346      | 100      | Bias                | -0.464     | 0.284       | 0.748  |
| 347      | 100      | Bias                | -0.458     | 0.293       | 0.751  |
| 348      | 100      | Unbiased            | -0.437     | 0.306       | 0.743  |
| 349      | 100      | Unbiased            | -0.441     | 0.284       | 0.725  |
| 350      | 100      | Unbiased            | -0.443     | 0.28        | 0.723  |
| 351      | 100      | Unbiased            | -0.45      | 0.293       | 0.743  |
| 352      | 100      | Unbiased            | -0.475     | 0.297       | 0.772  |

Test Statistics (nA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 0.241            | 0.25133          | 0.27             | 0.016197         | 0.287             | 0.29367           | 0.305             | 0.0098658         | 0.017     | 0.042333  | 0.062     | 0.023029  |
| 3        | -0.466           | -0.1406          | 0.307            | 0.37924          | 0.269             | 0.2911            | 0.306             | 0.010765          | -0.023    | 0.4317    | 0.735     | 0.3776    |
| 10       | 0.284            | 0.2966           | 0.31             | 0.0078202        | 0.273             | 0.29              | 0.31              | 0.010088          | -0.019    | -0.0066   | 0.022     | 0.013209  |
| 30       | 0.286            | 0.2937           | 0.304            | 0.0071188        | 0.281             | 0.2922            | 0.301             | 0.0069889         | -0.014    | -0.0015   | 0.011     | 0.0098686 |
| 50       | -0.445           | -0.0005          | 0.303            | 0.37277          | 0.276             | 0.2909            | 0.307             | 0.01105           | -0.027    | 0.2914    | 0.732     | 0.3731    |
| 100      | -0.475           | -0.4519          | -0.421           | 0.016489         | 0.28              | 0.293             | 0.306             | 0.0080691         | 0.717     | 0.7449    | 0.772     | 0.018675  |

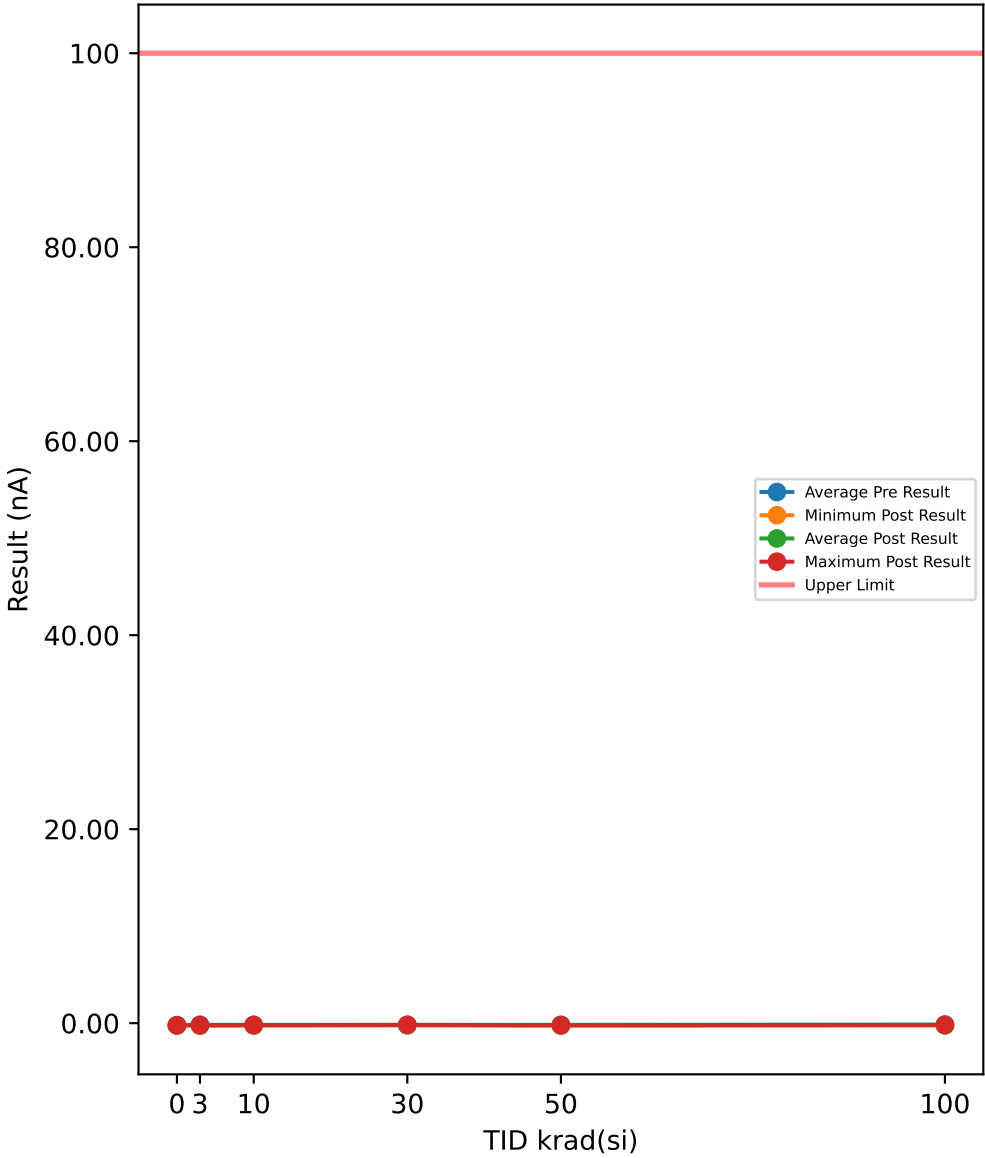


| Test Results (Upper Limit = 100.0 (nA)) |          |                     |            |             |        |
|-----------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                     | 0        | Correlation         | 0.285      | 0.301       | 0.016  |
| 301                                     | 0        | Correlation         | 0.3        | 0.301       | 0.001  |
| 302                                     | 0        | Correlation         | 0.288      | 0.309       | 0.021  |
| 303                                     | 3        | Bias                | 0.347      | 0.312       | -0.035 |
| 304                                     | 3        | Bias                | 0.356      | 0.307       | -0.049 |
| 305                                     | 3        | Bias                | 0.36       | 0.301       | -0.059 |
| 306                                     | 3        | Bias                | 0.367      | 0.317       | -0.05  |
| 307                                     | 3        | Bias                | 0.357      | 0.299       | -0.058 |
| 308                                     | 3        | Unbiased            | 0.38       | 0.301       | -0.079 |
| 309                                     | 3        | Unbiased            | 0.287      | 0.301       | 0.014  |
| 310                                     | 3        | Unbiased            | 0.293      | 0.316       | 0.023  |
| 311                                     | 3        | Unbiased            | 0.281      | 0.307       | 0.026  |
| 312                                     | 3        | Unbiased            | 0.282      | 0.277       | -0.005 |
| 313                                     | 10       | Bias                | 0.269      | 0.279       | 0.01   |
| 314                                     | 10       | Bias                | 0.285      | 0.292       | 0.007  |
| 315                                     | 10       | Bias                | 0.293      | 0.287       | -0.006 |
| 316                                     | 10       | Bias                | 0.282      | 0.294       | 0.012  |
| 317                                     | 10       | Bias                | 0.29       | 0.283       | -0.007 |
| 318                                     | 10       | Unbiased            | 0.267      | 0.301       | 0.034  |
| 319                                     | 10       | Unbiased            | 0.294      | 0.294       | 0      |
| 320                                     | 10       | Unbiased            | 0.274      | 0.288       | 0.014  |
| 321                                     | 10       | Unbiased            | 0.285      | 0.308       | 0.023  |
| 322                                     | 10       | Unbiased            | 0.277      | 0.317       | 0.04   |
| 323                                     | 30       | Bias                | 0.285      | 0.302       | 0.017  |
| 324                                     | 30       | Bias                | 0.288      | 0.3         | 0.012  |
| 325                                     | 30       | Bias                | 0.273      | 0.307       | 0.034  |
| 326                                     | 30       | Bias                | 0.287      | 0.303       | 0.016  |
| 327                                     | 30       | Bias                | 0.309      | 0.298       | -0.011 |
| 328                                     | 30       | Unbiased            | 0.298      | 0.301       | 0.003  |
| 329                                     | 30       | Unbiased            | 0.302      | 0.287       | -0.015 |
| 330                                     | 30       | Unbiased            | 0.304      | 0.294       | -0.01  |
| 331                                     | 30       | Unbiased            | 0.281      | 0.283       | 0.002  |
| 332                                     | 30       | Unbiased            | 0.291      | 0.297       | 0.006  |
| 333                                     | 50       | Bias                | 0.269      | 0.283       | 0.014  |
| 334                                     | 50       | Bias                | 0.278      | 0.282       | 0.004  |
| 335                                     | 50       | Bias                | 0.279      | 0.294       | 0.015  |
| 336                                     | 50       | Bias                | 0.284      | 0.322       | 0.038  |
| 337                                     | 50       | Bias                | 0.274      | 0.3         | 0.026  |
| 338                                     | 50       | Unbiased            | 0.28       | 0.312       | 0.032  |
| 339                                     | 50       | Unbiased            | 0.381      | 0.292       | -0.089 |
| 340                                     | 50       | Unbiased            | 0.386      | 0.314       | -0.072 |
| 341                                     | 50       | Unbiased            | 0.363      | 0.308       | -0.055 |
| 342                                     | 50       | Unbiased            | 0.366      | 0.315       | -0.051 |
| 343                                     | 100      | Bias                | 0.384      | 0.29        | -0.094 |
| 344                                     | 100      | Bias                | 0.343      | 0.278       | -0.065 |
| 345                                     | 100      | Bias                | 0.37       | 0.289       | -0.081 |
| 346                                     | 100      | Bias                | 0.359      | 0.267       | -0.092 |
| 347                                     | 100      | Bias                | 0.377      | 0.306       | -0.071 |
| 348                                     | 100      | Unbiased            | 0.364      | 0.302       | -0.062 |
| 349                                     | 100      | Unbiased            | 0.381      | 0.3         | -0.081 |
| 350                                     | 100      | Unbiased            | 0.372      | 0.286       | -0.086 |
| 351                                     | 100      | Unbiased            | 0.37       | 0.291       | -0.079 |
| 352                                     | 100      | Unbiased            | 0.366      | 0.3         | -0.066 |

| Test Statistics (nA) |                  |                  |                  |                  |                   |                   |                   |                   |           |           |           |           |
|----------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| krad(si)             | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
| 0                    | 0.285            | 0.291            | 0.3              | 0.0079373        | 0.301             | 0.30367           | 0.309             | 0.0046188         | 0.001     | 0.012667  | 0.021     | 0.010408  |
| 3                    | 0.281            | 0.331            | 0.38             | 0.039967         | 0.277             | 0.3038            | 0.317             | 0.011429          | -0.079    | -0.0272   | 0.026     | 0.038354  |
| 10                   | 0.267            | 0.2816           | 0.294            | 0.009594         | 0.279             | 0.2943            | 0.317             | 0.011586          | -0.007    | 0.0127    | 0.04      | 0.015798  |
| 30                   | 0.273            | 0.2918           | 0.309            | 0.011263         | 0.283             | 0.2972            | 0.307             | 0.0073907         | -0.015    | 0.0054    | 0.034     | 0.015086  |
| 50                   | 0.269            | 0.316            | 0.386            | 0.050487         | 0.282             | 0.3022            | 0.322             | 0.014054          | -0.089    | -0.0138   | 0.038     | 0.047618  |
| 100                  | 0.343            | 0.3686           | 0.384            | 0.011796         | 0.267             | 0.2909            | 0.306             | 0.011939          | -0.094    | -0.0777   | -0.062    | 0.011314  |

Device Test: 6.19 ; ILKG\_SENSE

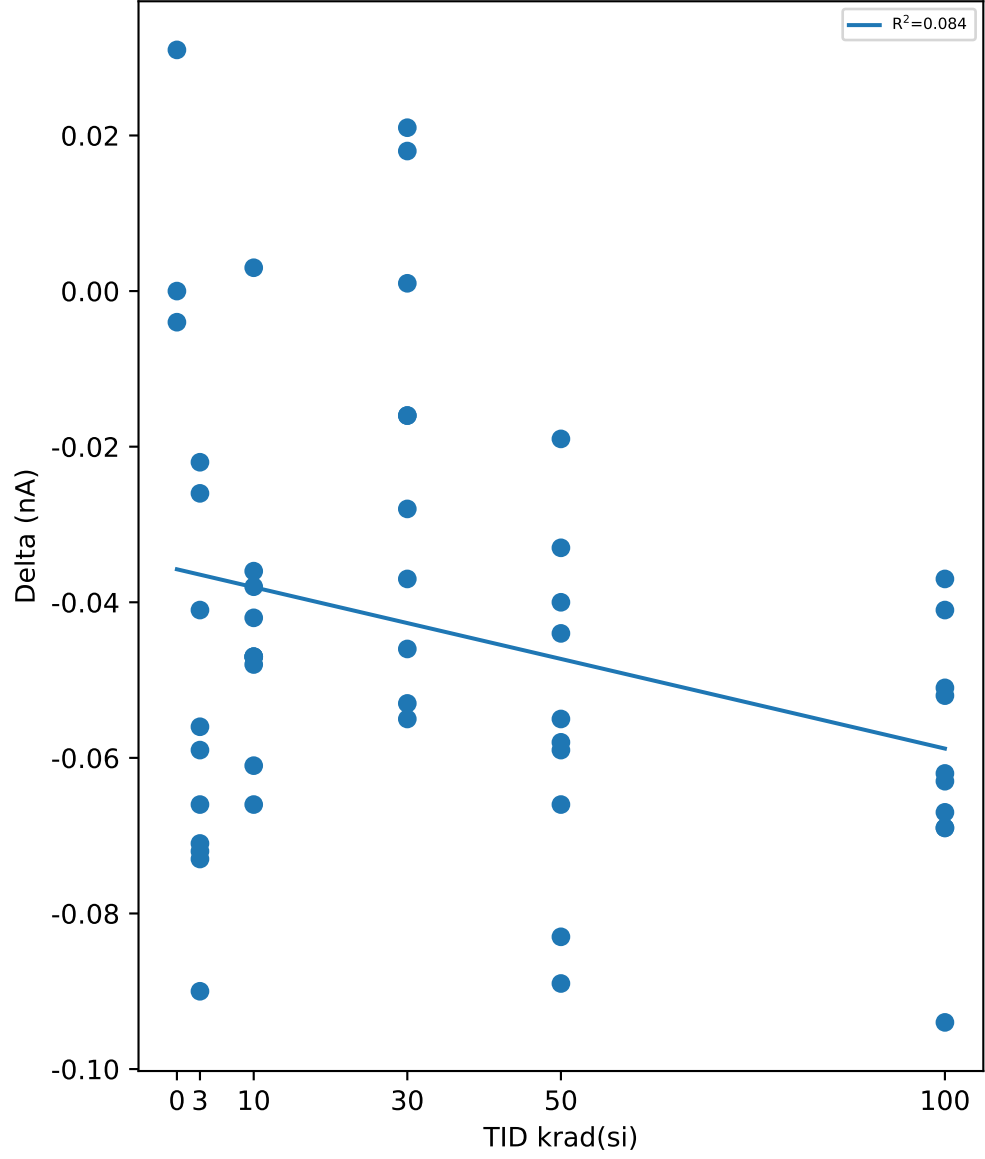
TID vs Result Stats



Test Results (Upper Limit = 100.0 (nA))

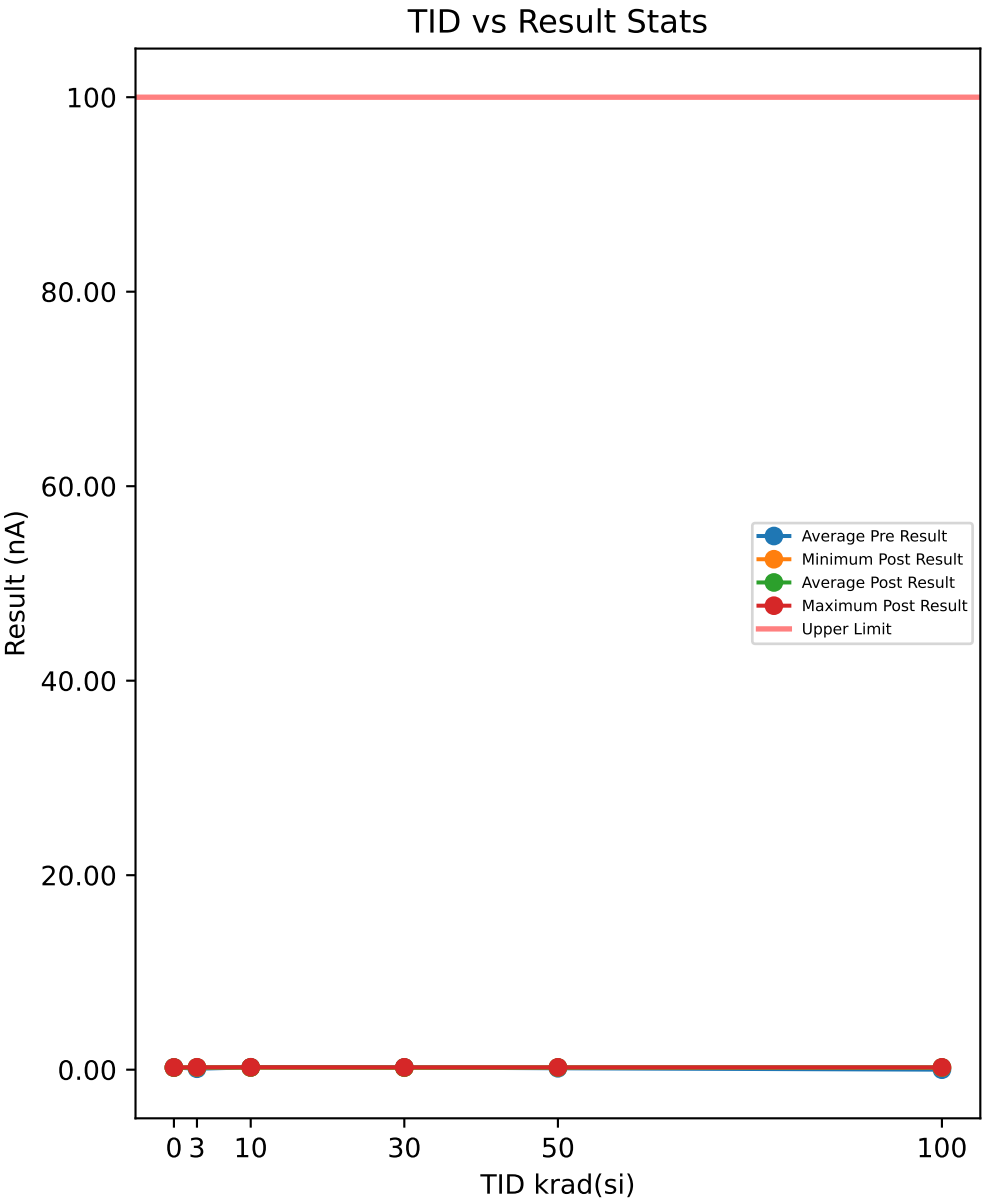
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | -0.227     | -0.231      | -0.004 |
| 301      | 0        | Correlation         | -0.24      | -0.209      | 0.031  |
| 302      | 0        | Correlation         | -0.216     | -0.216      | 0      |
| 303      | 3        | Bias                | -0.157     | -0.228      | -0.071 |
| 304      | 3        | Bias                | -0.153     | -0.212      | -0.059 |
| 305      | 3        | Bias                | -0.162     | -0.228      | -0.066 |
| 306      | 3        | Bias                | -0.175     | -0.201      | -0.026 |
| 307      | 3        | Bias                | -0.174     | -0.23       | -0.056 |
| 308      | 3        | Unbiased            | -0.14      | -0.213      | -0.073 |
| 309      | 3        | Unbiased            | -0.182     | -0.204      | -0.022 |
| 310      | 3        | Unbiased            | -0.183     | -0.224      | -0.041 |
| 311      | 3        | Unbiased            | -0.189     | -0.261      | -0.072 |
| 312      | 3        | Unbiased            | -0.161     | -0.251      | -0.09  |
| 313      | 10       | Bias                | -0.193     | -0.24       | -0.047 |
| 314      | 10       | Bias                | -0.201     | -0.243      | -0.042 |
| 315      | 10       | Bias                | -0.172     | -0.208      | -0.036 |
| 316      | 10       | Bias                | -0.161     | -0.227      | -0.066 |
| 317      | 10       | Bias                | -0.196     | -0.193      | 0.003  |
| 318      | 10       | Unbiased            | -0.178     | -0.225      | -0.047 |
| 319      | 10       | Unbiased            | -0.158     | -0.219      | -0.061 |
| 320      | 10       | Unbiased            | -0.154     | -0.202      | -0.048 |
| 321      | 10       | Unbiased            | -0.175     | -0.213      | -0.038 |
| 322      | 10       | Unbiased            | -0.166     | -0.213      | -0.047 |
| 323      | 30       | Bias                | -0.18      | -0.208      | -0.028 |
| 324      | 30       | Bias                | -0.152     | -0.207      | -0.055 |
| 325      | 30       | Bias                | -0.152     | -0.205      | -0.053 |
| 326      | 30       | Bias                | -0.181     | -0.218      | -0.037 |
| 327      | 30       | Bias                | -0.191     | -0.207      | -0.016 |
| 328      | 30       | Unbiased            | -0.186     | -0.185      | 0.001  |
| 329      | 30       | Unbiased            | -0.196     | -0.175      | 0.021  |
| 330      | 30       | Unbiased            | -0.202     | -0.184      | 0.018  |
| 331      | 30       | Unbiased            | -0.179     | -0.195      | -0.016 |
| 332      | 30       | Unbiased            | -0.18      | -0.226      | -0.046 |
| 333      | 50       | Bias                | -0.183     | -0.202      | -0.019 |
| 334      | 50       | Bias                | -0.174     | -0.214      | -0.04  |
| 335      | 50       | Bias                | -0.202     | -0.257      | -0.055 |
| 336      | 50       | Bias                | -0.203     | -0.247      | -0.044 |
| 337      | 50       | Bias                | -0.194     | -0.227      | -0.033 |
| 338      | 50       | Unbiased            | -0.176     | -0.242      | -0.066 |
| 339      | 50       | Unbiased            | -0.133     | -0.222      | -0.089 |
| 340      | 50       | Unbiased            | -0.164     | -0.223      | -0.059 |
| 341      | 50       | Unbiased            | -0.165     | -0.223      | -0.058 |
| 342      | 50       | Unbiased            | -0.117     | -0.2        | -0.083 |
| 343      | 100      | Bias                | -0.162     | -0.225      | -0.063 |
| 344      | 100      | Bias                | -0.167     | -0.204      | -0.037 |
| 345      | 100      | Bias                | -0.163     | -0.215      | -0.052 |
| 346      | 100      | Bias                | -0.117     | -0.211      | -0.094 |
| 347      | 100      | Bias                | -0.137     | -0.206      | -0.069 |
| 348      | 100      | Unbiased            | -0.148     | -0.217      | -0.069 |
| 349      | 100      | Unbiased            | -0.171     | -0.212      | -0.041 |
| 350      | 100      | Unbiased            | -0.133     | -0.2        | -0.067 |
| 351      | 100      | Unbiased            | -0.119     | -0.181      | -0.062 |
| 352      | 100      | Unbiased            | -0.144     | -0.195      | -0.051 |

TID vs Post - Pre Exposure Delta

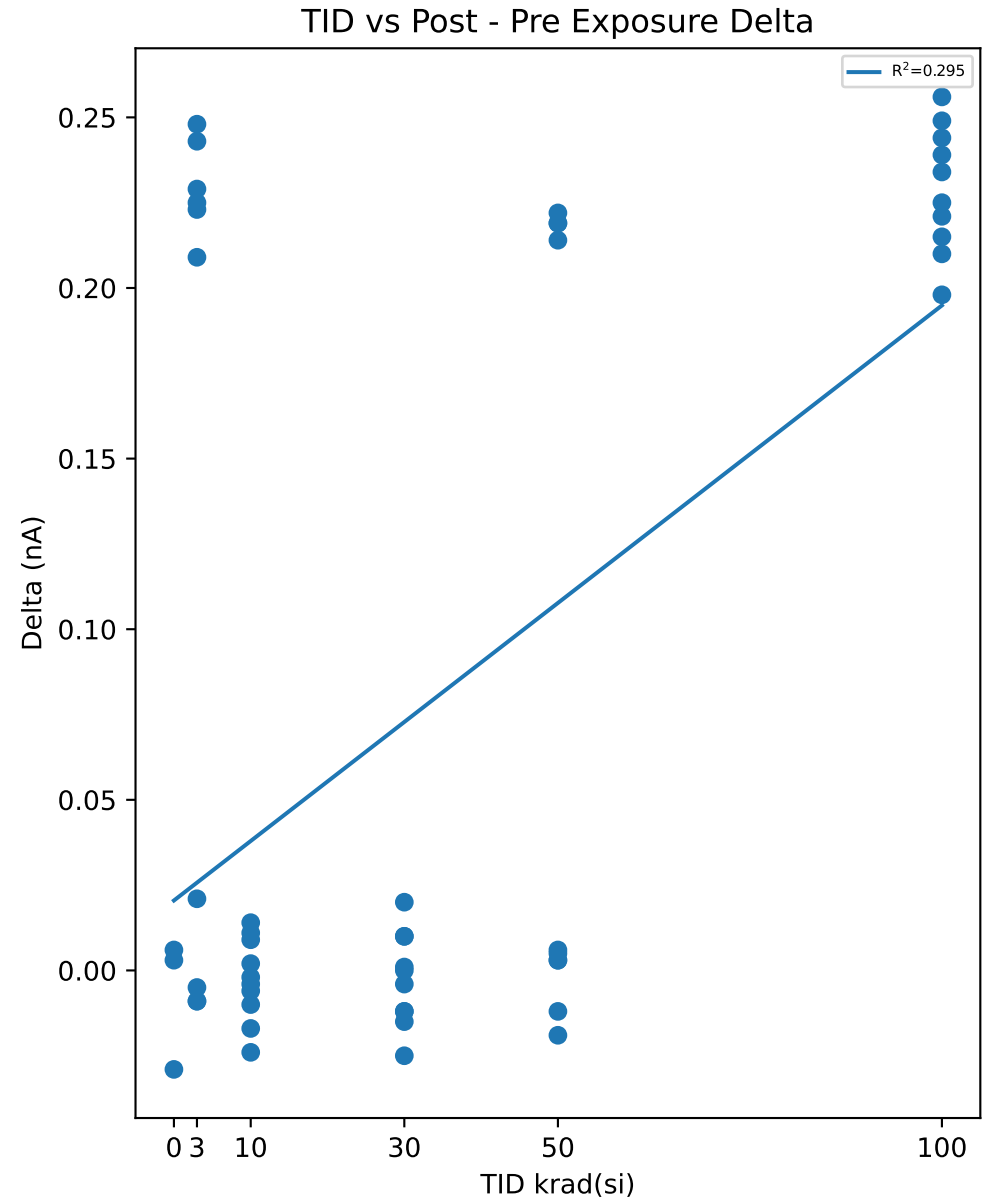


Test Statistics (nA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | -0.24            | -0.22767         | -0.216           | 0.012014         | -0.231            | -0.21867          | -0.209            | 0.01124           | -0.004    | 0.009     | 0.031     | 0.019157  |
| 3        | -0.189           | -0.1676          | -0.14            | 0.015493         | -0.261            | -0.2252           | -0.201            | 0.01928           | -0.09     | -0.0576   | -0.022    | 0.021834  |
| 10       | -0.201           | -0.1754          | -0.154           | 0.016548         | -0.243            | -0.2183           | -0.193            | 0.015882          | -0.066    | -0.0429   | 0.003     | 0.01861   |
| 30       | -0.202           | -0.1799          | -0.152           | 0.016556         | -0.226            | -0.201            | -0.175            | 0.016014          | -0.055    | -0.0211   | 0.021     | 0.027747  |
| 50       | -0.203           | -0.1711          | -0.117           | 0.02816          | -0.257            | -0.2257           | -0.2              | 0.018524          | -0.089    | -0.0546   | -0.019    | 0.021629  |
| 100      | -0.171           | -0.1461          | -0.117           | 0.019547         | -0.225            | -0.2066           | -0.181            | 0.012501          | -0.094    | -0.0605   | -0.037    | 0.016372  |



| Test Results (Upper Limit = 100.0 (nA)) |          |                     |            |             |        |
|-----------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                     | 0        | Correlation         | 0.205      | 0.208       | 0.003  |
| 301                                     | 0        | Correlation         | 0.246      | 0.217       | -0.029 |
| 302                                     | 0        | Correlation         | 0.227      | 0.233       | 0.006  |
| 303                                     | 3        | Bias                | 0.005      | 0.248       | 0.243  |
| 304                                     | 3        | Bias                | -0.003     | 0.245       | 0.248  |
| 305                                     | 3        | Bias                | 0.009      | 0.234       | 0.225  |
| 306                                     | 3        | Bias                | 0          | 0.229       | 0.229  |
| 307                                     | 3        | Bias                | 0.02       | 0.243       | 0.223  |
| 308                                     | 3        | Unbiased            | 0.014      | 0.223       | 0.209  |
| 309                                     | 3        | Unbiased            | 0.244      | 0.235       | -0.009 |
| 310                                     | 3        | Unbiased            | 0.224      | 0.245       | 0.021  |
| 311                                     | 3        | Unbiased            | 0.228      | 0.219       | -0.009 |
| 312                                     | 3        | Unbiased            | 0.235      | 0.23        | -0.005 |
| 313                                     | 10       | Bias                | 0.233      | 0.235       | 0.002  |
| 314                                     | 10       | Bias                | 0.25       | 0.226       | -0.024 |
| 315                                     | 10       | Bias                | 0.247      | 0.237       | -0.01  |
| 316                                     | 10       | Bias                | 0.242      | 0.253       | 0.011  |
| 317                                     | 10       | Bias                | 0.219      | 0.217       | -0.002 |
| 318                                     | 10       | Unbiased            | 0.241      | 0.224       | -0.017 |
| 319                                     | 10       | Unbiased            | 0.236      | 0.25        | 0.014  |
| 320                                     | 10       | Unbiased            | 0.231      | 0.24        | 0.009  |
| 321                                     | 10       | Unbiased            | 0.245      | 0.241       | -0.004 |
| 322                                     | 10       | Unbiased            | 0.233      | 0.227       | -0.006 |
| 323                                     | 30       | Bias                | 0.222      | 0.223       | 0.001  |
| 324                                     | 30       | Bias                | 0.221      | 0.221       | 0      |
| 325                                     | 30       | Bias                | 0.237      | 0.233       | -0.004 |
| 326                                     | 30       | Bias                | 0.234      | 0.244       | 0.01   |
| 327                                     | 30       | Bias                | 0.219      | 0.229       | 0.01   |
| 328                                     | 30       | Unbiased            | 0.24       | 0.228       | -0.012 |
| 329                                     | 30       | Unbiased            | 0.228      | 0.203       | -0.025 |
| 330                                     | 30       | Unbiased            | 0.217      | 0.205       | -0.012 |
| 331                                     | 30       | Unbiased            | 0.221      | 0.241       | 0.02   |
| 332                                     | 30       | Unbiased            | 0.236      | 0.221       | -0.015 |
| 333                                     | 50       | Bias                | 0.236      | 0.217       | -0.019 |
| 334                                     | 50       | Bias                | 0.233      | 0.239       | 0.006  |
| 335                                     | 50       | Bias                | 0.222      | 0.225       | 0.003  |
| 336                                     | 50       | Bias                | 0.233      | 0.238       | 0.005  |
| 337                                     | 50       | Bias                | 0.234      | 0.222       | -0.012 |
| 338                                     | 50       | Unbiased            | 0.233      | 0.236       | 0.003  |
| 339                                     | 50       | Unbiased            | 0.021      | 0.243       | 0.222  |
| 340                                     | 50       | Unbiased            | 0.005      | 0.219       | 0.214  |
| 341                                     | 50       | Unbiased            | 0.012      | 0.231       | 0.219  |
| 342                                     | 50       | Unbiased            | 0.019      | 0.238       | 0.219  |
| 343                                     | 100      | Bias                | 0.008      | 0.229       | 0.221  |
| 344                                     | 100      | Bias                | 0.002      | 0.217       | 0.215  |
| 345                                     | 100      | Bias                | -0.003     | 0.207       | 0.21   |
| 346                                     | 100      | Bias                | -0.008     | 0.236       | 0.244  |
| 347                                     | 100      | Bias                | 0.019      | 0.217       | 0.198  |
| 348                                     | 100      | Unbiased            | -0.013     | 0.236       | 0.249  |
| 349                                     | 100      | Unbiased            | 0          | 0.239       | 0.239  |
| 350                                     | 100      | Unbiased            | 0.001      | 0.235       | 0.234  |
| 351                                     | 100      | Unbiased            | -0.025     | 0.231       | 0.256  |
| 352                                     | 100      | Unbiased            | 0.017      | 0.242       | 0.225  |

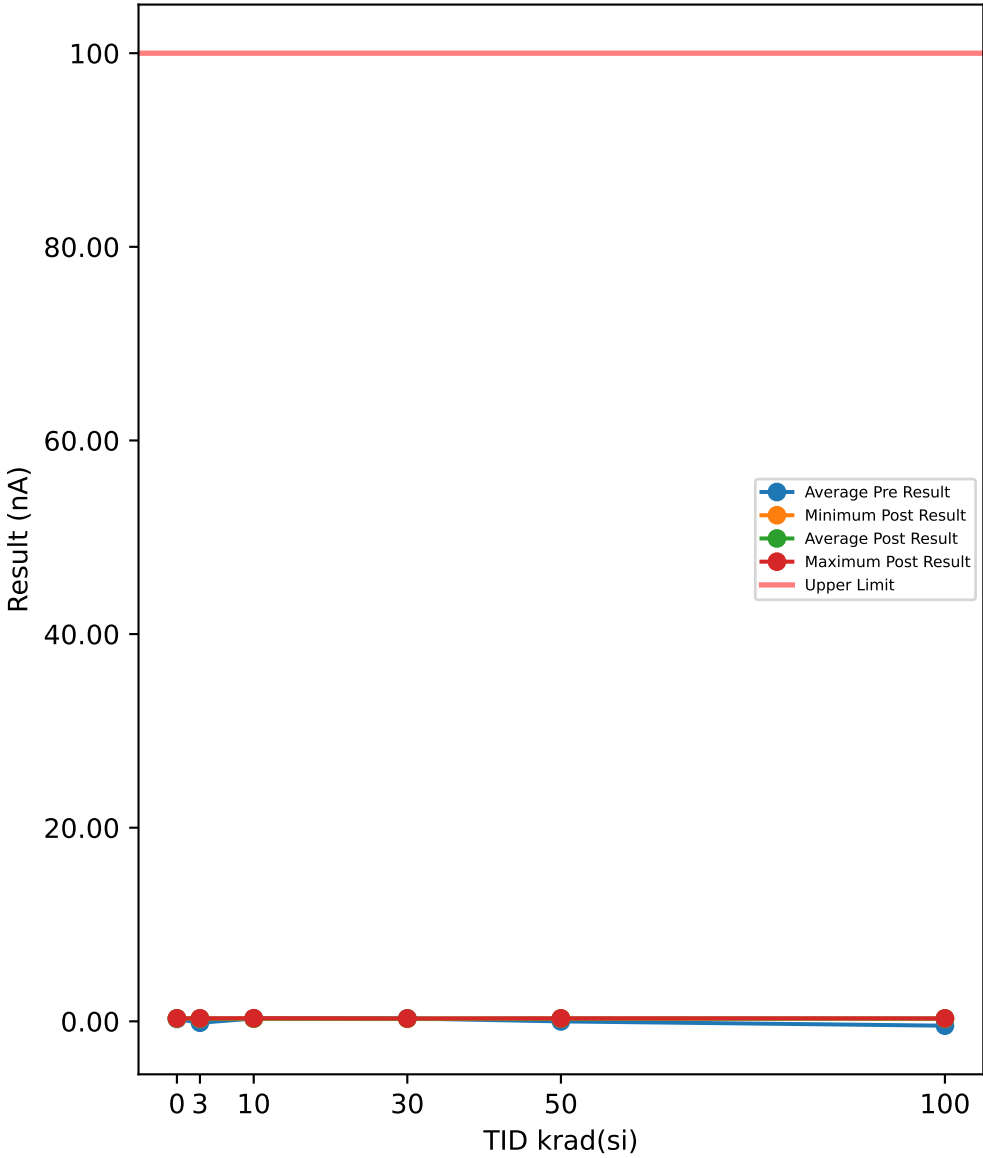


Test Statistics (nA)

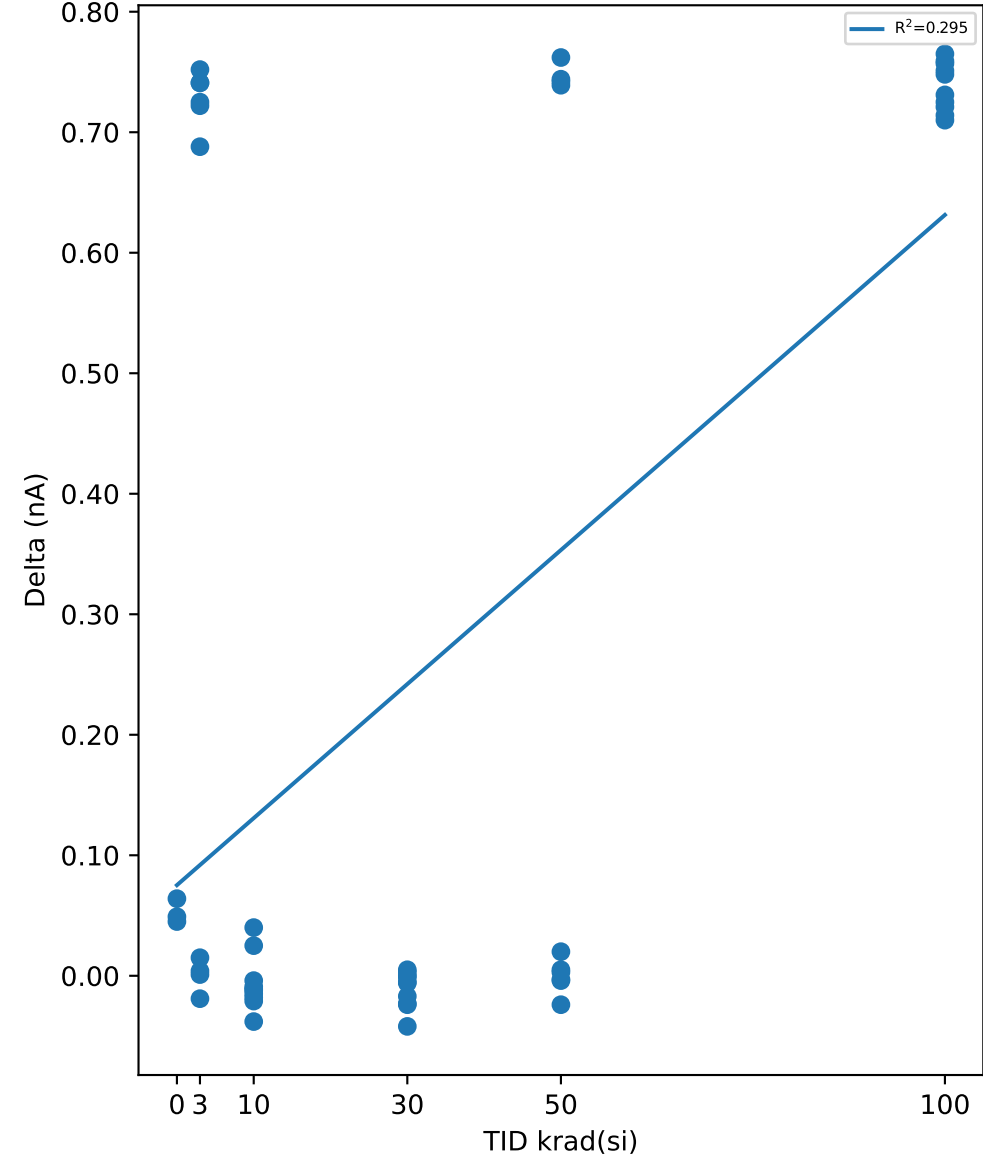
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 0.205            | 0.226            | 0.246            | 0.020518         | 0.208             | 0.21933           | 0.233             | 0.012662          | -0.029    | -0.0066667 | 0.006     | 0.019399  |
| 3        | -0.003           | 0.0976           | 0.244            | 0.11661          | 0.219             | 0.2351            | 0.248             | 0.0099716         | -0.009    | 0.1375     | 0.248     | 0.11953   |
| 10       | 0.219            | 0.2377           | 0.25             | 0.0092021        | 0.217             | 0.235             | 0.253             | 0.011566          | -0.024    | -0.0027    | 0.014     | 0.012248  |
| 30       | 0.217            | 0.2275           | 0.24             | 0.0085538        | 0.203             | 0.2248            | 0.244             | 0.01344           | -0.025    | -0.0027    | 0.02      | 0.013671  |
| 50       | 0.005            | 0.1448           | 0.236            | 0.1125           | 0.217             | 0.2308            | 0.243             | 0.0093547         | -0.019    | 0.086      | 0.222     | 0.11432   |
| 100      | -0.025           | -0.0002          | 0.019            | 0.013273         | 0.207             | 0.2289            | 0.242             | 0.011445          | 0.198     | 0.2291     | 0.256     | 0.01849   |

Device Test: 6.21 ; ILKG\_SENSE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

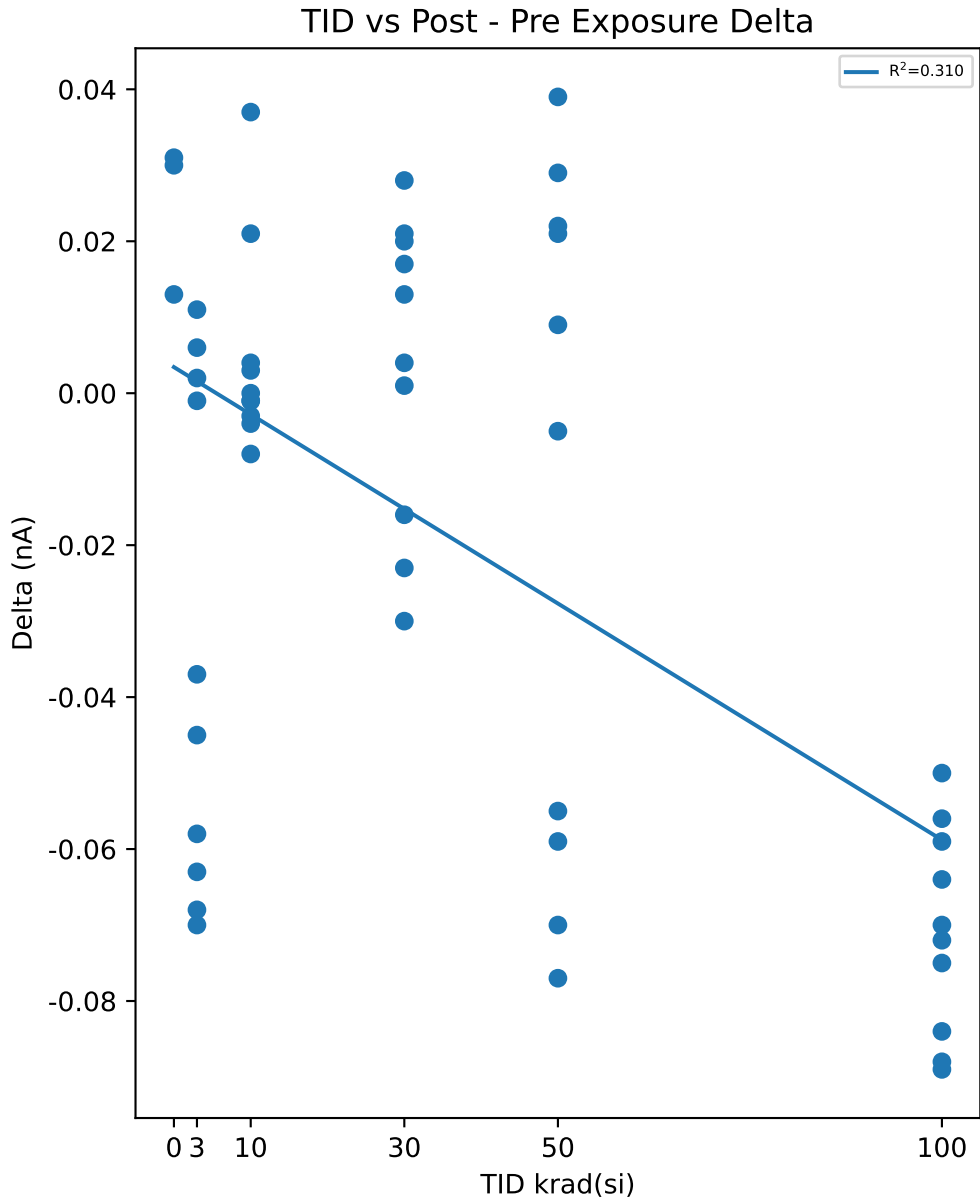
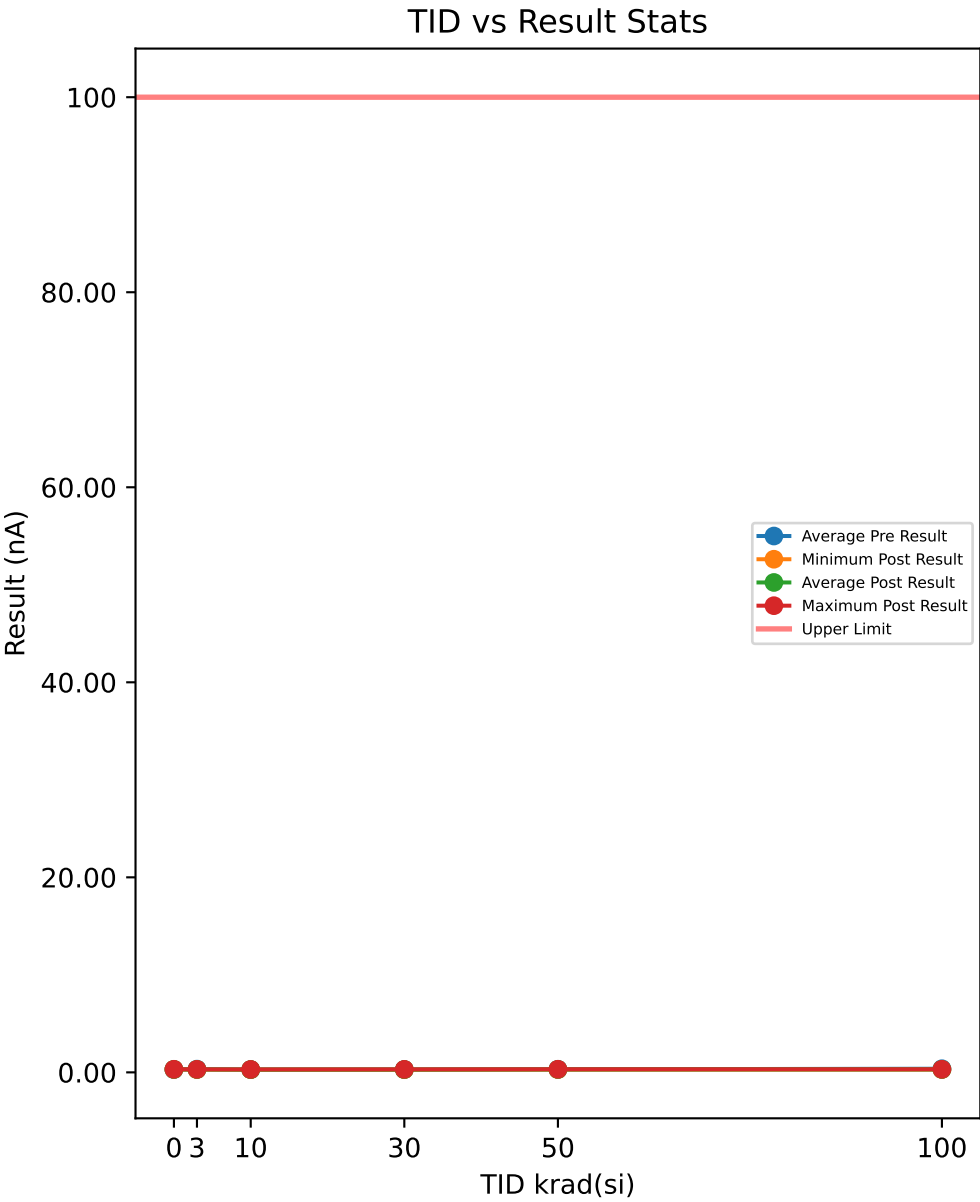
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.233      | 0.297       | 0.064  |
| 301      | 0        | Correlation         | 0.244      | 0.293       | 0.049  |
| 302      | 0        | Correlation         | 0.267      | 0.312       | 0.045  |
| 303      | 3        | Bias                | -0.427     | 0.314       | 0.741  |
| 304      | 3        | Bias                | -0.458     | 0.283       | 0.741  |
| 305      | 3        | Bias                | -0.42      | 0.268       | 0.688  |
| 306      | 3        | Bias                | -0.443     | 0.309       | 0.752  |
| 307      | 3        | Bias                | -0.447     | 0.278       | 0.725  |
| 308      | 3        | Unbiased            | -0.449     | 0.273       | 0.722  |
| 309      | 3        | Unbiased            | 0.286      | 0.29        | 0.004  |
| 310      | 3        | Unbiased            | 0.295      | 0.31        | 0.015  |
| 311      | 3        | Unbiased            | 0.293      | 0.274       | -0.019 |
| 312      | 3        | Unbiased            | 0.3        | 0.301       | 0.001  |
| 313      | 10       | Bias                | 0.295      | 0.284       | -0.011 |
| 314      | 10       | Bias                | 0.276      | 0.267       | -0.009 |
| 315      | 10       | Bias                | 0.29       | 0.278       | -0.012 |
| 316      | 10       | Bias                | 0.305      | 0.29        | -0.015 |
| 317      | 10       | Bias                | 0.288      | 0.27        | -0.018 |
| 318      | 10       | Unbiased            | 0.284      | 0.324       | 0.04   |
| 319      | 10       | Unbiased            | 0.304      | 0.283       | -0.021 |
| 320      | 10       | Unbiased            | 0.276      | 0.301       | 0.025  |
| 321      | 10       | Unbiased            | 0.302      | 0.298       | -0.004 |
| 322      | 10       | Unbiased            | 0.31       | 0.272       | -0.038 |
| 323      | 30       | Bias                | 0.3        | 0.258       | -0.042 |
| 324      | 30       | Bias                | 0.291      | 0.29        | -0.001 |
| 325      | 30       | Bias                | 0.299      | 0.294       | -0.005 |
| 326      | 30       | Bias                | 0.281      | 0.281       | 0      |
| 327      | 30       | Bias                | 0.296      | 0.299       | 0.003  |
| 328      | 30       | Unbiased            | 0.306      | 0.289       | -0.017 |
| 329      | 30       | Unbiased            | 0.296      | 0.273       | -0.023 |
| 330      | 30       | Unbiased            | 0.316      | 0.292       | -0.024 |
| 331      | 30       | Unbiased            | 0.287      | 0.292       | 0.005  |
| 332      | 30       | Unbiased            | 0.295      | 0.289       | -0.006 |
| 333      | 50       | Bias                | 0.285      | 0.288       | 0.003  |
| 334      | 50       | Bias                | 0.28       | 0.3         | 0.02   |
| 335      | 50       | Bias                | 0.295      | 0.292       | -0.003 |
| 336      | 50       | Bias                | 0.298      | 0.274       | -0.024 |
| 337      | 50       | Bias                | 0.299      | 0.295       | -0.004 |
| 338      | 50       | Unbiased            | 0.283      | 0.288       | 0.005  |
| 339      | 50       | Unbiased            | -0.431     | 0.311       | 0.742  |
| 340      | 50       | Unbiased            | -0.446     | 0.298       | 0.744  |
| 341      | 50       | Unbiased            | -0.476     | 0.286       | 0.762  |
| 342      | 50       | Unbiased            | -0.445     | 0.294       | 0.739  |
| 343      | 100      | Bias                | -0.446     | 0.279       | 0.725  |
| 344      | 100      | Bias                | -0.45      | 0.307       | 0.757  |
| 345      | 100      | Bias                | -0.462     | 0.297       | 0.759  |
| 346      | 100      | Bias                | -0.451     | 0.297       | 0.748  |
| 347      | 100      | Bias                | -0.467     | 0.298       | 0.765  |
| 348      | 100      | Unbiased            | -0.455     | 0.266       | 0.721  |
| 349      | 100      | Unbiased            | -0.437     | 0.294       | 0.731  |
| 350      | 100      | Unbiased            | -0.436     | 0.278       | 0.714  |
| 351      | 100      | Unbiased            | -0.424     | 0.286       | 0.71   |
| 352      | 100      | Unbiased            | -0.468     | 0.283       | 0.751  |

Test Statistics (nA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 0.233            | 0.248            | 0.267            | 0.017349         | 0.293             | 0.30067           | 0.312             | 0.010017          | 0.045     | 0.052667  | 0.064     | 0.010017  |
| 3        | -0.458           | -0.147           | 0.3              | 0.37929          | 0.268             | 0.29              | 0.314             | 0.017256          | -0.019    | 0.437     | 0.752     | 0.37636   |
| 10       | 0.276            | 0.293            | 0.31             | 0.012166         | 0.267             | 0.2867            | 0.324             | 0.017366          | -0.038    | -0.0063   | 0.04      | 0.022667  |
| 30       | 0.281            | 0.2967           | 0.316            | 0.0097303        | 0.258             | 0.2857            | 0.299             | 0.012093          | -0.042    | -0.011    | 0.005     | 0.01507   |
| 50       | -0.476           | -0.0058          | 0.299            | 0.38208          | 0.274             | 0.2926            | 0.311             | 0.0097889         | -0.024    | 0.2984    | 0.762     | 0.38607   |
| 100      | -0.468           | -0.4496          | -0.424           | 0.014292         | 0.266             | 0.2885            | 0.307             | 0.01225           | 0.71      | 0.7381    | 0.765     | 0.020185  |



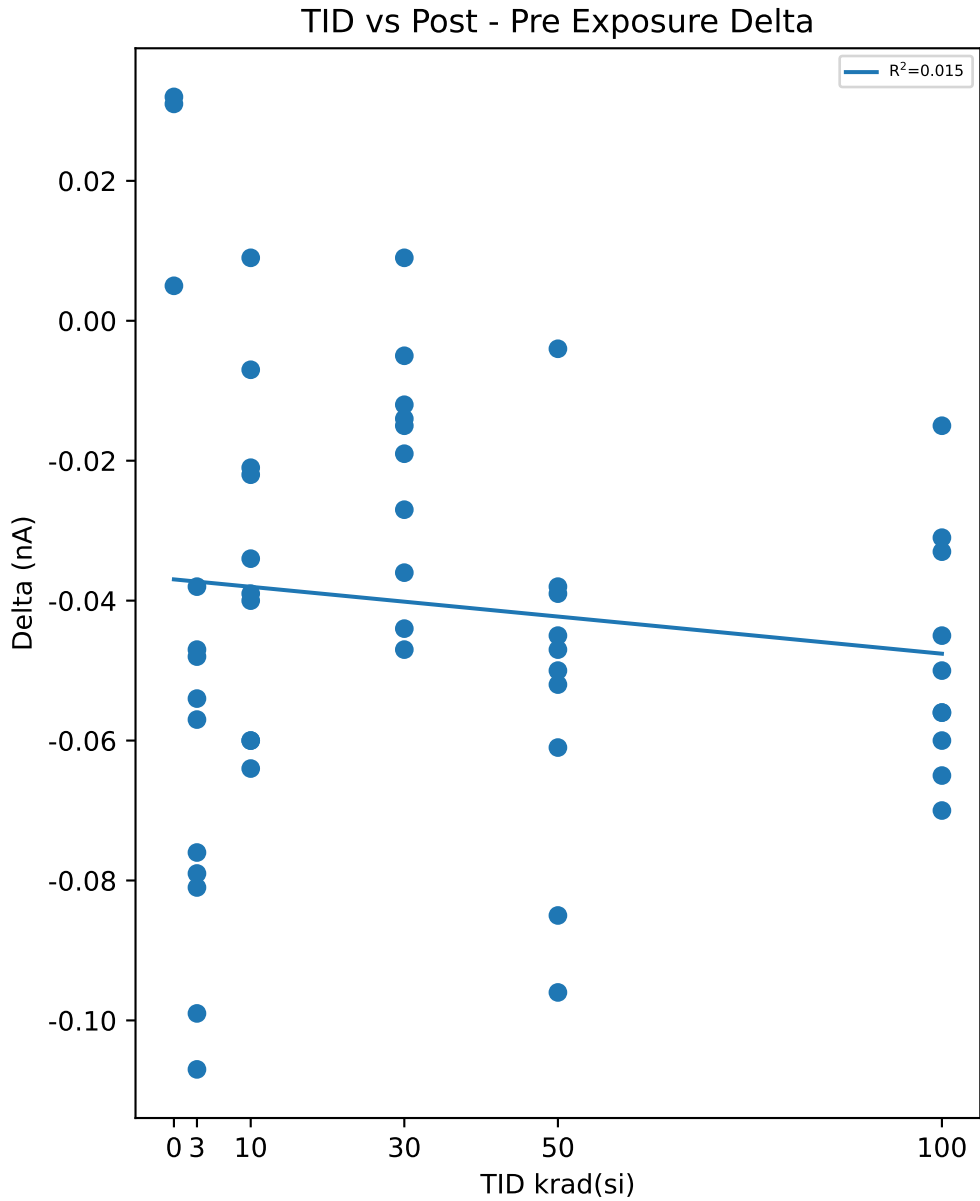
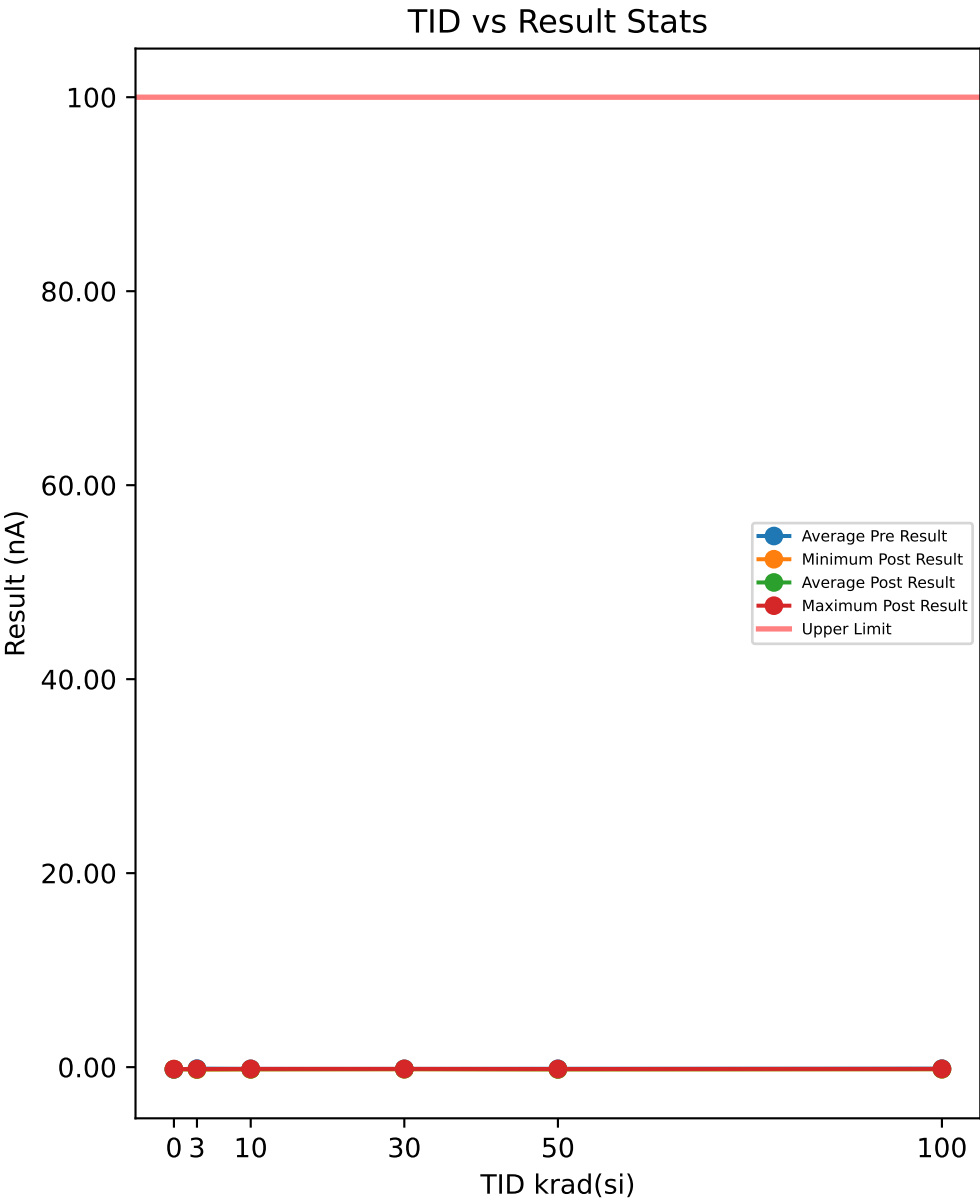
Device Test: 6.22 ; ILKG\_SENSE



| Test Results (Upper Limit = 100.0 (nA)) |          |                     |            |             |        |
|-----------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                     | 0        | Correlation         | 0.286      | 0.316       | 0.03   |
| 301                                     | 0        | Correlation         | 0.296      | 0.309       | 0.013  |
| 302                                     | 0        | Correlation         | 0.269      | 0.3         | 0.031  |
| 303                                     | 3        | Bias                | 0.351      | 0.306       | -0.045 |
| 304                                     | 3        | Bias                | 0.346      | 0.309       | -0.037 |
| 305                                     | 3        | Bias                | 0.357      | 0.294       | -0.063 |
| 306                                     | 3        | Bias                | 0.364      | 0.294       | -0.07  |
| 307                                     | 3        | Bias                | 0.37       | 0.302       | -0.068 |
| 308                                     | 3        | Unbiased            | 0.364      | 0.306       | -0.058 |
| 309                                     | 3        | Unbiased            | 0.289      | 0.3         | 0.011  |
| 310                                     | 3        | Unbiased            | 0.292      | 0.298       | 0.006  |
| 311                                     | 3        | Unbiased            | 0.289      | 0.291       | 0.002  |
| 312                                     | 3        | Unbiased            | 0.286      | 0.285       | -0.001 |
| 313                                     | 10       | Bias                | 0.283      | 0.275       | -0.008 |
| 314                                     | 10       | Bias                | 0.281      | 0.28        | -0.001 |
| 315                                     | 10       | Bias                | 0.283      | 0.287       | 0.004  |
| 316                                     | 10       | Bias                | 0.288      | 0.285       | -0.003 |
| 317                                     | 10       | Bias                | 0.291      | 0.29        | -0.001 |
| 318                                     | 10       | Unbiased            | 0.278      | 0.278       | 0      |
| 319                                     | 10       | Unbiased            | 0.278      | 0.299       | 0.021  |
| 320                                     | 10       | Unbiased            | 0.283      | 0.286       | 0.003  |
| 321                                     | 10       | Unbiased            | 0.305      | 0.301       | -0.004 |
| 322                                     | 10       | Unbiased            | 0.262      | 0.299       | 0.037  |
| 323                                     | 30       | Bias                | 0.265      | 0.293       | 0.028  |
| 324                                     | 30       | Bias                | 0.277      | 0.294       | 0.017  |
| 325                                     | 30       | Bias                | 0.263      | 0.284       | 0.021  |
| 326                                     | 30       | Bias                | 0.278      | 0.298       | 0.02   |
| 327                                     | 30       | Bias                | 0.304      | 0.274       | -0.03  |
| 328                                     | 30       | Unbiased            | 0.318      | 0.295       | -0.023 |
| 329                                     | 30       | Unbiased            | 0.288      | 0.289       | 0.001  |
| 330                                     | 30       | Unbiased            | 0.304      | 0.288       | -0.016 |
| 331                                     | 30       | Unbiased            | 0.274      | 0.278       | 0.004  |
| 332                                     | 30       | Unbiased            | 0.296      | 0.309       | 0.013  |
| 333                                     | 50       | Bias                | 0.282      | 0.291       | 0.009  |
| 334                                     | 50       | Bias                | 0.288      | 0.283       | -0.005 |
| 335                                     | 50       | Bias                | 0.282      | 0.303       | 0.021  |
| 336                                     | 50       | Bias                | 0.278      | 0.307       | 0.029  |
| 337                                     | 50       | Bias                | 0.266      | 0.288       | 0.022  |
| 338                                     | 50       | Unbiased            | 0.276      | 0.315       | 0.039  |
| 339                                     | 50       | Unbiased            | 0.367      | 0.29        | -0.077 |
| 340                                     | 50       | Unbiased            | 0.374      | 0.315       | -0.059 |
| 341                                     | 50       | Unbiased            | 0.377      | 0.307       | -0.07  |
| 342                                     | 50       | Unbiased            | 0.374      | 0.319       | -0.055 |
| 343                                     | 100      | Bias                | 0.371      | 0.315       | -0.056 |
| 344                                     | 100      | Bias                | 0.38       | 0.291       | -0.089 |
| 345                                     | 100      | Bias                | 0.355      | 0.296       | -0.059 |
| 346                                     | 100      | Bias                | 0.366      | 0.294       | -0.072 |
| 347                                     | 100      | Bias                | 0.386      | 0.298       | -0.088 |
| 348                                     | 100      | Unbiased            | 0.371      | 0.301       | -0.07  |
| 349                                     | 100      | Unbiased            | 0.377      | 0.302       | -0.075 |
| 350                                     | 100      | Unbiased            | 0.388      | 0.304       | -0.084 |
| 351                                     | 100      | Unbiased            | 0.371      | 0.307       | -0.064 |
| 352                                     | 100      | Unbiased            | 0.351      | 0.301       | -0.05  |

| Test Statistics (nA) |                  |                  |                  |                  |                   |                   |                   |                   |           |           |           |           |
|----------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| krad(si)             | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
| 0                    | 0.269            | 0.28367          | 0.296            | 0.01365          | 0.3               | 0.30833           | 0.316             | 0.0080208         | 0.013     | 0.024667  | 0.031     | 0.010116  |
| 3                    | 0.286            | 0.3308           | 0.37             | 0.036627         | 0.285             | 0.2985            | 0.309             | 0.0075755         | -0.07     | -0.0323   | 0.011     | 0.0333    |
| 10                   | 0.262            | 0.2832           | 0.305            | 0.010891         | 0.275             | 0.288             | 0.301             | 0.0092014         | -0.008    | 0.0048    | 0.037     | 0.013726  |
| 30                   | 0.263            | 0.2867           | 0.318            | 0.018349         | 0.274             | 0.2902            | 0.309             | 0.010086          | -0.03     | 0.0035    | 0.028     | 0.020173  |
| 50                   | 0.266            | 0.3164           | 0.377            | 0.04909          | 0.283             | 0.3018            | 0.319             | 0.012908          | -0.077    | -0.0146   | 0.039     | 0.045456  |
| 100                  | 0.351            | 0.3716           | 0.388            | 0.012057         | 0.291             | 0.3009            | 0.315             | 0.006871          | -0.089    | -0.0707   | -0.05     | 0.013573  |

Device Test: 6.23 ; ILKG\_SENSE

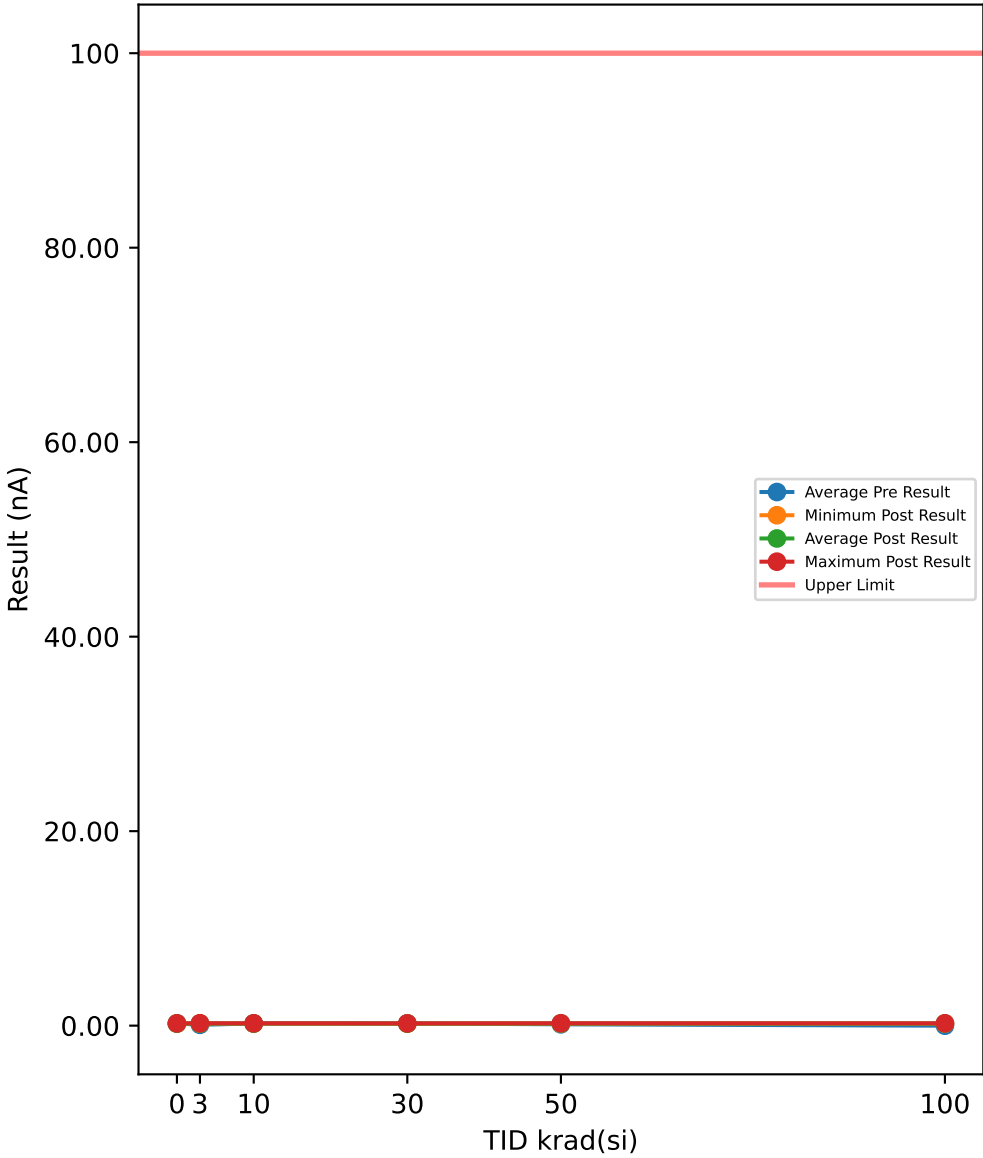


| Test Results (Upper Limit = 100.0 (nA)) |          |                     |            |             |        |
|-----------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                     | 0        | Correlation         | -0.25      | -0.218      | 0.032  |
| 301                                     | 0        | Correlation         | -0.25      | -0.219      | 0.031  |
| 302                                     | 0        | Correlation         | -0.207     | -0.202      | 0.005  |
| 303                                     | 3        | Bias                | -0.108     | -0.215      | -0.107 |
| 304                                     | 3        | Bias                | -0.148     | -0.224      | -0.076 |
| 305                                     | 3        | Bias                | -0.11      | -0.209      | -0.099 |
| 306                                     | 3        | Bias                | -0.137     | -0.194      | -0.057 |
| 307                                     | 3        | Bias                | -0.192     | -0.23       | -0.038 |
| 308                                     | 3        | Unbiased            | -0.119     | -0.198      | -0.079 |
| 309                                     | 3        | Unbiased            | -0.161     | -0.209      | -0.048 |
| 310                                     | 3        | Unbiased            | -0.171     | -0.218      | -0.047 |
| 311                                     | 3        | Unbiased            | -0.182     | -0.263      | -0.081 |
| 312                                     | 3        | Unbiased            | -0.177     | -0.231      | -0.054 |
| 313                                     | 10       | Bias                | -0.201     | -0.24       | -0.039 |
| 314                                     | 10       | Bias                | -0.199     | -0.221      | -0.022 |
| 315                                     | 10       | Bias                | -0.19      | -0.181      | 0.009  |
| 316                                     | 10       | Bias                | -0.182     | -0.222      | -0.04  |
| 317                                     | 10       | Bias                | -0.196     | -0.203      | -0.007 |
| 318                                     | 10       | Unbiased            | -0.17      | -0.23       | -0.06  |
| 319                                     | 10       | Unbiased            | -0.143     | -0.207      | -0.064 |
| 320                                     | 10       | Unbiased            | -0.18      | -0.201      | -0.021 |
| 321                                     | 10       | Unbiased            | -0.16      | -0.22       | -0.06  |
| 322                                     | 10       | Unbiased            | -0.168     | -0.202      | -0.034 |
| 323                                     | 30       | Bias                | -0.186     | -0.201      | -0.015 |
| 324                                     | 30       | Bias                | -0.161     | -0.197      | -0.036 |
| 325                                     | 30       | Bias                | -0.16      | -0.204      | -0.044 |
| 326                                     | 30       | Bias                | -0.184     | -0.198      | -0.014 |
| 327                                     | 30       | Bias                | -0.191     | -0.21       | -0.019 |
| 328                                     | 30       | Unbiased            | -0.191     | -0.203      | -0.012 |
| 329                                     | 30       | Unbiased            | -0.188     | -0.179      | 0.009  |
| 330                                     | 30       | Unbiased            | -0.188     | -0.193      | -0.005 |
| 331                                     | 30       | Unbiased            | -0.182     | -0.209      | -0.027 |
| 332                                     | 30       | Unbiased            | -0.178     | -0.225      | -0.047 |
| 333                                     | 50       | Bias                | -0.186     | -0.19       | -0.004 |
| 334                                     | 50       | Bias                | -0.181     | -0.231      | -0.05  |
| 335                                     | 50       | Bias                | -0.198     | -0.243      | -0.045 |
| 336                                     | 50       | Bias                | -0.196     | -0.243      | -0.047 |
| 337                                     | 50       | Bias                | -0.19      | -0.228      | -0.038 |
| 338                                     | 50       | Unbiased            | -0.172     | -0.224      | -0.052 |
| 339                                     | 50       | Unbiased            | -0.169     | -0.208      | -0.039 |
| 340                                     | 50       | Unbiased            | -0.135     | -0.22       | -0.085 |
| 341                                     | 50       | Unbiased            | -0.115     | -0.211      | -0.096 |
| 342                                     | 50       | Unbiased            | -0.149     | -0.21       | -0.061 |
| 343                                     | 100      | Bias                | -0.178     | -0.223      | -0.045 |
| 344                                     | 100      | Bias                | -0.147     | -0.203      | -0.056 |
| 345                                     | 100      | Bias                | -0.183     | -0.214      | -0.031 |
| 346                                     | 100      | Bias                | -0.142     | -0.202      | -0.06  |
| 347                                     | 100      | Bias                | -0.16      | -0.193      | -0.033 |
| 348                                     | 100      | Unbiased            | -0.174     | -0.224      | -0.05  |
| 349                                     | 100      | Unbiased            | -0.141     | -0.211      | -0.07  |
| 350                                     | 100      | Unbiased            | -0.168     | -0.183      | -0.015 |
| 351                                     | 100      | Unbiased            | -0.123     | -0.179      | -0.056 |
| 352                                     | 100      | Unbiased            | -0.144     | -0.209      | -0.065 |

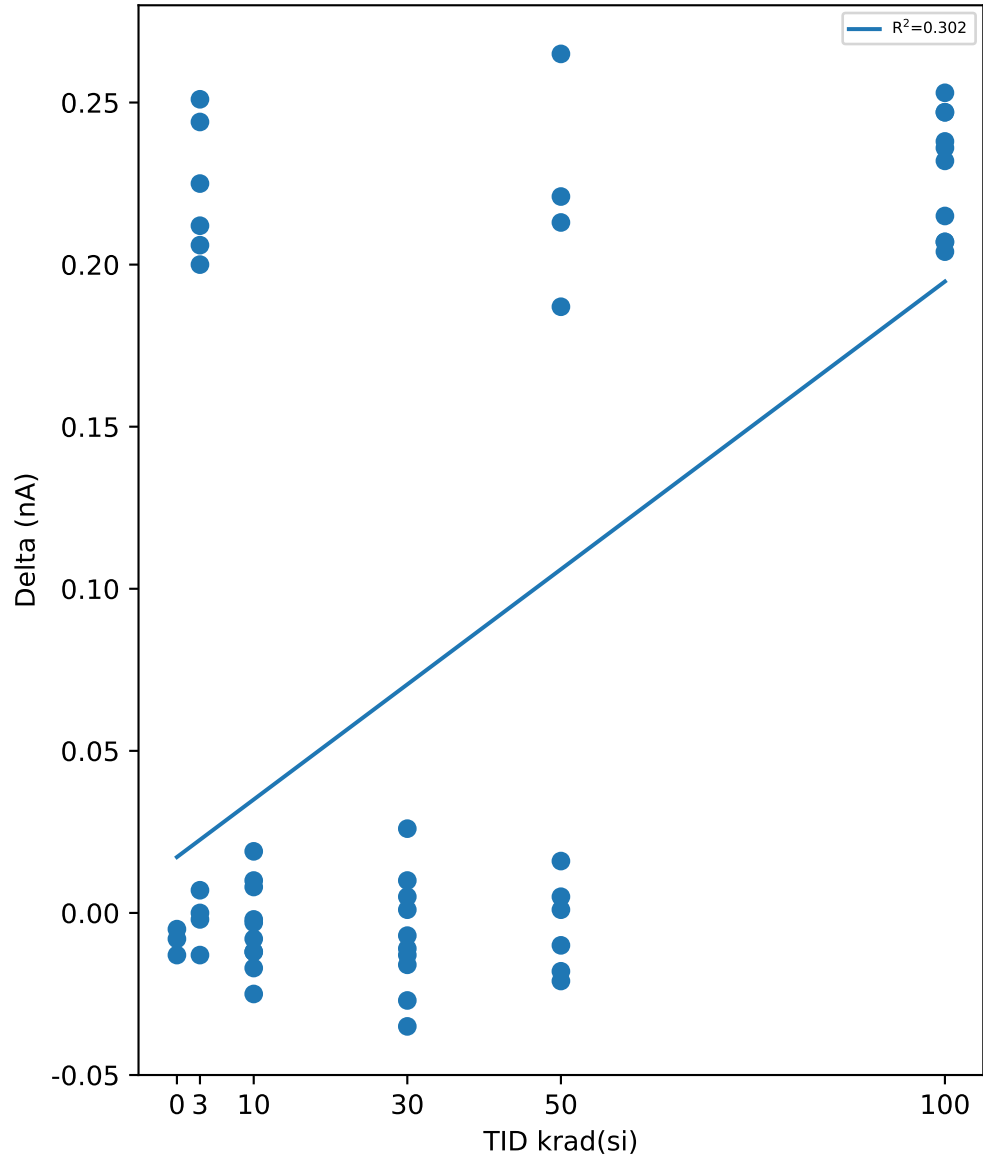
| Test Statistics (nA) |                  |                  |                  |                  |                   |                   |                   |                   |           |           |           |           |
|----------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| krad(si)             | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
| 0                    | -0.25            | -0.23567         | -0.207           | 0.024826         | -0.219            | -0.213            | -0.202            | 0.0095394         | 0.005     | 0.022667  | 0.032     | 0.015308  |
| 3                    | -0.192           | -0.1505          | -0.108           | 0.030866         | -0.263            | -0.2191           | -0.194            | 0.019745          | -0.107    | -0.0686   | -0.038    | 0.02331   |
| 10                   | -0.201           | -0.1789          | -0.143           | 0.018747         | -0.24             | -0.2127           | -0.181            | 0.017114          | -0.064    | -0.0338   | 0.009     | 0.024045  |
| 30                   | -0.191           | -0.1809          | -0.16            | 0.011464         | -0.225            | -0.2019           | -0.179            | 0.012013          | -0.047    | -0.021    | 0.009     | 0.017613  |
| 50                   | -0.198           | -0.1691          | -0.115           | 0.027739         | -0.243            | -0.2208           | -0.19             | 0.016592          | -0.096    | -0.0517   | -0.004    | 0.0255    |
| 100                  | -0.183           | -0.156           | -0.123           | 0.019528         | -0.224            | -0.2041           | -0.179            | 0.015373          | -0.07     | -0.0481   | -0.015    | 0.017195  |

Device Test: 6.24 ; ILKG\_SENSE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

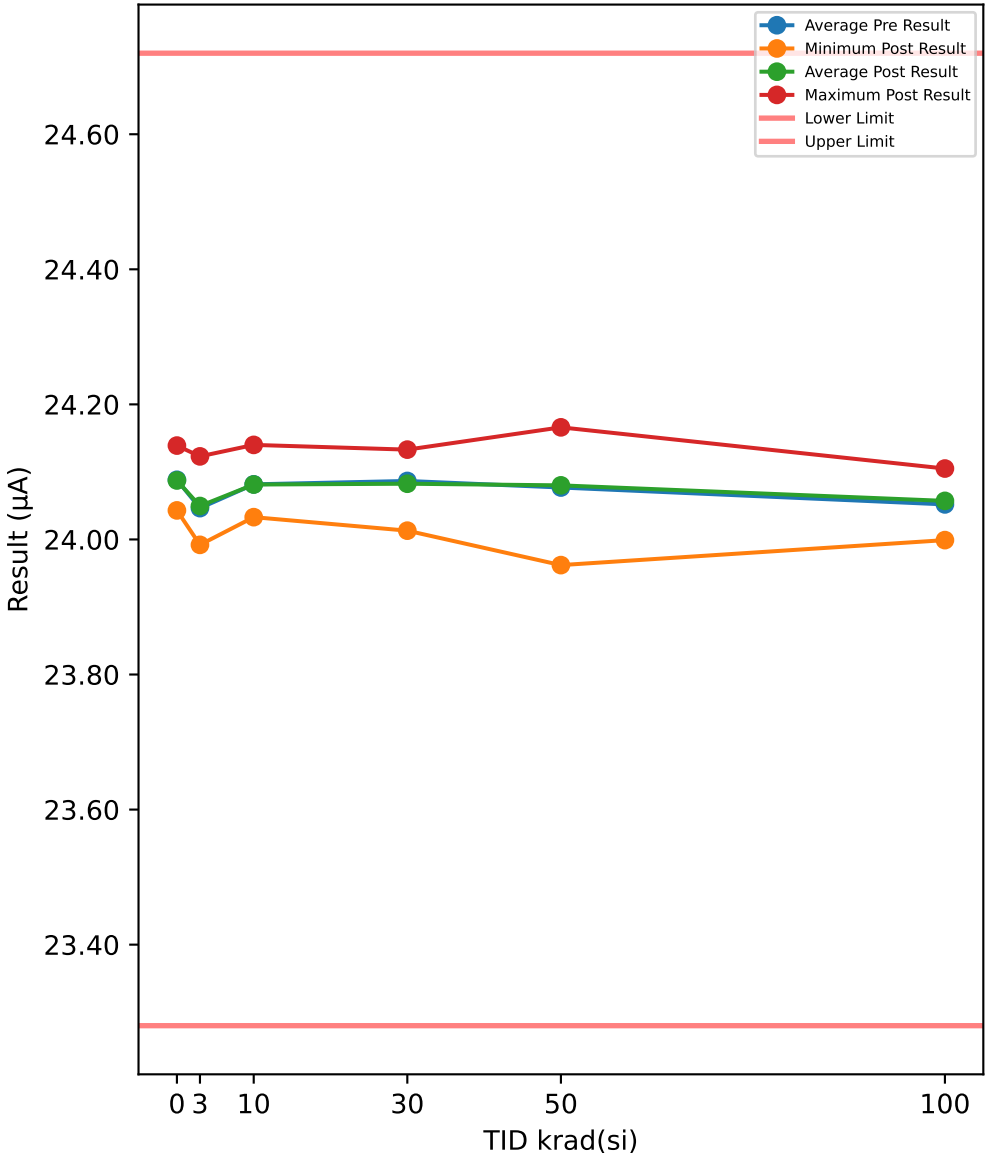
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.214      | 0.206       | -0.008 |
| 301      | 0        | Correlation         | 0.23       | 0.217       | -0.013 |
| 302      | 0        | Correlation         | 0.239      | 0.234       | -0.005 |
| 303      | 3        | Bias                | -0.003     | 0.248       | 0.251  |
| 304      | 3        | Bias                | -0.019     | 0.225       | 0.244  |
| 305      | 3        | Bias                | 0.007      | 0.207       | 0.2    |
| 306      | 3        | Bias                | -0.011     | 0.214       | 0.225  |
| 307      | 3        | Bias                | 0.01       | 0.216       | 0.206  |
| 308      | 3        | Unbiased            | 0.003      | 0.215       | 0.212  |
| 309      | 3        | Unbiased            | 0.225      | 0.225       | 0      |
| 310      | 3        | Unbiased            | 0.214      | 0.221       | 0.007  |
| 311      | 3        | Unbiased            | 0.212      | 0.21        | -0.002 |
| 312      | 3        | Unbiased            | 0.23       | 0.217       | -0.013 |
| 313      | 10       | Bias                | 0.229      | 0.226       | -0.003 |
| 314      | 10       | Bias                | 0.235      | 0.233       | -0.002 |
| 315      | 10       | Bias                | 0.23       | 0.218       | -0.012 |
| 316      | 10       | Bias                | 0.207      | 0.226       | 0.019  |
| 317      | 10       | Bias                | 0.224      | 0.212       | -0.012 |
| 318      | 10       | Unbiased            | 0.244      | 0.219       | -0.025 |
| 319      | 10       | Unbiased            | 0.231      | 0.241       | 0.01   |
| 320      | 10       | Unbiased            | 0.208      | 0.216       | 0.008  |
| 321      | 10       | Unbiased            | 0.22       | 0.203       | -0.017 |
| 322      | 10       | Unbiased            | 0.217      | 0.209       | -0.008 |
| 323      | 30       | Bias                | 0.231      | 0.224       | -0.007 |
| 324      | 30       | Bias                | 0.223      | 0.233       | 0.01   |
| 325      | 30       | Bias                | 0.219      | 0.22        | 0.001  |
| 326      | 30       | Bias                | 0.223      | 0.228       | 0.005  |
| 327      | 30       | Bias                | 0.229      | 0.213       | -0.016 |
| 328      | 30       | Unbiased            | 0.223      | 0.21        | -0.013 |
| 329      | 30       | Unbiased            | 0.244      | 0.209       | -0.035 |
| 330      | 30       | Unbiased            | 0.223      | 0.212       | -0.011 |
| 331      | 30       | Unbiased            | 0.206      | 0.232       | 0.026  |
| 332      | 30       | Unbiased            | 0.227      | 0.2         | -0.027 |
| 333      | 50       | Bias                | 0.214      | 0.23        | 0.016  |
| 334      | 50       | Bias                | 0.226      | 0.231       | 0.005  |
| 335      | 50       | Bias                | 0.24       | 0.222       | -0.018 |
| 336      | 50       | Bias                | 0.218      | 0.208       | -0.01  |
| 337      | 50       | Bias                | 0.248      | 0.227       | -0.021 |
| 338      | 50       | Unbiased            | 0.223      | 0.224       | 0.001  |
| 339      | 50       | Unbiased            | -0.001     | 0.212       | 0.213  |
| 340      | 50       | Unbiased            | -0.002     | 0.219       | 0.221  |
| 341      | 50       | Unbiased            | 0.012      | 0.199       | 0.187  |
| 342      | 50       | Unbiased            | -0.019     | 0.246       | 0.265  |
| 343      | 100      | Bias                | -0.007     | 0.225       | 0.232  |
| 344      | 100      | Bias                | 0.002      | 0.209       | 0.207  |
| 345      | 100      | Bias                | -0.008     | 0.199       | 0.207  |
| 346      | 100      | Bias                | -0.01      | 0.237       | 0.247  |
| 347      | 100      | Bias                | 0.008      | 0.212       | 0.204  |
| 348      | 100      | Unbiased            | -0.013     | 0.234       | 0.247  |
| 349      | 100      | Unbiased            | -0.005     | 0.231       | 0.236  |
| 350      | 100      | Unbiased            | -0.002     | 0.236       | 0.238  |
| 351      | 100      | Unbiased            | -0.014     | 0.239       | 0.253  |
| 352      | 100      | Unbiased            | -0.006     | 0.209       | 0.215  |

Test Statistics (nA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 0.214            | 0.22767          | 0.239            | 0.012662         | 0.206             | 0.219             | 0.234             | 0.014107          | -0.013    | -0.0086667 | -0.005    | 0.0040415 |
| 3        | -0.019           | 0.0868           | 0.23             | 0.11526          | 0.207             | 0.2198            | 0.248             | 0.011497          | -0.013    | 0.133      | 0.251     | 0.11732   |
| 10       | 0.207            | 0.2245           | 0.244            | 0.011731         | 0.203             | 0.2203            | 0.241             | 0.011431          | -0.025    | -0.0042    | 0.019     | 0.013448  |
| 30       | 0.206            | 0.2248           | 0.244            | 0.0096009        | 0.2               | 0.2181            | 0.233             | 0.011101          | -0.035    | -0.0067    | 0.026     | 0.017957  |
| 50       | -0.019           | 0.1359           | 0.248            | 0.11975          | 0.199             | 0.2218            | 0.246             | 0.013265          | -0.021    | 0.0859     | 0.265     | 0.11868   |
| 100      | -0.014           | -0.0055          | 0.008            | 0.0067371        | 0.199             | 0.2231            | 0.239             | 0.014525          | 0.204     | 0.2286     | 0.253     | 0.018709  |

Device Test: 6.25 ; IHYS

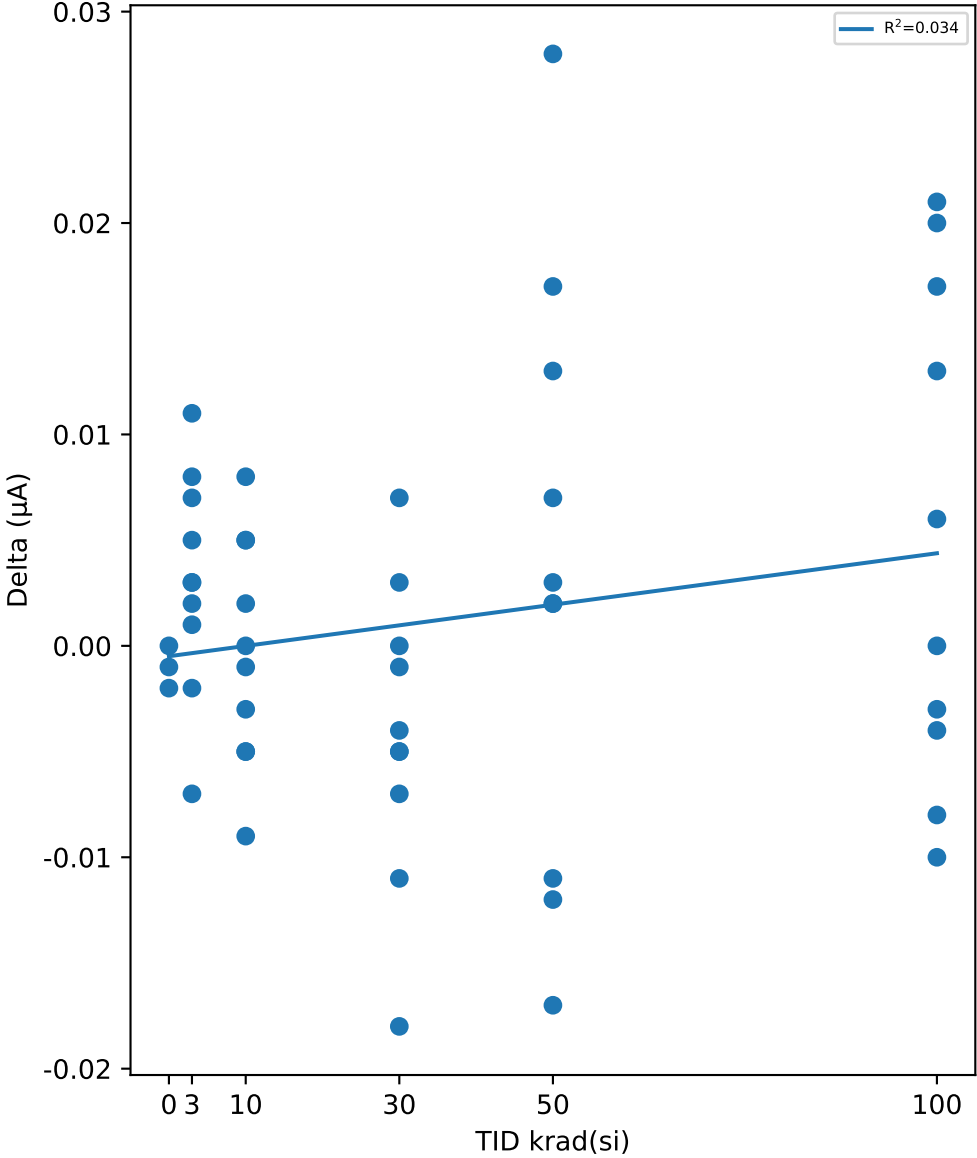
TID vs Result Stats



Test Results (Lower Limit = 23.28, Upper Limit = 24.72 (µA))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 24.045     | 24.043      | -0.002 |
| 301      | 0        | Correlation         | 24.139     | 24.139      | 0      |
| 302      | 0        | Correlation         | 24.081     | 24.08       | -0.001 |
| 303      | 3        | Bias                | 24.003     | 24.011      | 0.008  |
| 304      | 3        | Bias                | 23.994     | 23.992      | -0.002 |
| 305      | 3        | Bias                | 24.099     | 24.106      | 0.007  |
| 306      | 3        | Bias                | 24.094     | 24.095      | 0.001  |
| 307      | 3        | Bias                | 24.012     | 24.015      | 0.003  |
| 308      | 3        | Unbiased            | 24.112     | 24.123      | 0.011  |
| 309      | 3        | Unbiased            | 24.02      | 24.023      | 0.003  |
| 310      | 3        | Unbiased            | 24.039     | 24.041      | 0.002  |
| 311      | 3        | Unbiased            | 24.063     | 24.056      | -0.007 |
| 312      | 3        | Unbiased            | 24.028     | 24.033      | 0.005  |
| 313      | 10       | Bias                | 24.044     | 24.049      | 0.005  |
| 314      | 10       | Bias                | 24.101     | 24.098      | -0.003 |
| 315      | 10       | Bias                | 24.093     | 24.098      | 0.005  |
| 316      | 10       | Bias                | 24.106     | 24.101      | -0.005 |
| 317      | 10       | Bias                | 24.145     | 24.14       | -0.005 |
| 318      | 10       | Unbiased            | 24.072     | 24.072      | 0      |
| 319      | 10       | Unbiased            | 24.034     | 24.033      | -0.001 |
| 320      | 10       | Unbiased            | 24.06      | 24.068      | 0.008  |
| 321      | 10       | Unbiased            | 24.07      | 24.061      | -0.009 |
| 322      | 10       | Unbiased            | 24.091     | 24.093      | 0.002  |
| 323      | 30       | Bias                | 24.087     | 24.082      | -0.005 |
| 324      | 30       | Bias                | 24.09      | 24.09       | 0      |
| 325      | 30       | Bias                | 24.101     | 24.083      | -0.018 |
| 326      | 30       | Bias                | 24.085     | 24.084      | -0.001 |
| 327      | 30       | Bias                | 24.129     | 24.118      | -0.011 |
| 328      | 30       | Unbiased            | 24.14      | 24.133      | -0.007 |
| 329      | 30       | Unbiased            | 24.064     | 24.071      | 0.007  |
| 330      | 30       | Unbiased            | 24.063     | 24.058      | -0.005 |
| 331      | 30       | Unbiased            | 24.09      | 24.093      | 0.003  |
| 332      | 30       | Unbiased            | 24.017     | 24.013      | -0.004 |
| 333      | 50       | Bias                | 24.12      | 24.122      | 0.002  |
| 334      | 50       | Bias                | 24.04      | 24.043      | 0.003  |
| 335      | 50       | Bias                | 23.979     | 23.962      | -0.017 |
| 336      | 50       | Bias                | 24.053     | 24.042      | -0.011 |
| 337      | 50       | Bias                | 24.178     | 24.166      | -0.012 |
| 338      | 50       | Unbiased            | 24.128     | 24.13       | 0.002  |
| 339      | 50       | Unbiased            | 24.117     | 24.124      | 0.007  |
| 340      | 50       | Unbiased            | 24.025     | 24.042      | 0.017  |
| 341      | 50       | Unbiased            | 24.109     | 24.122      | 0.013  |
| 342      | 50       | Unbiased            | 24.02      | 24.048      | 0.028  |
| 343      | 100      | Bias                | 24.046     | 24.038      | -0.008 |
| 344      | 100      | Bias                | 24.009     | 24.006      | -0.003 |
| 345      | 100      | Bias                | 24.031     | 24.027      | -0.004 |
| 346      | 100      | Bias                | 24.094     | 24.084      | -0.01  |
| 347      | 100      | Bias                | 24.054     | 24.074      | 0.02   |
| 348      | 100      | Unbiased            | 24.099     | 24.105      | 0.006  |
| 349      | 100      | Unbiased            | 24.042     | 24.059      | 0.017  |
| 350      | 100      | Unbiased            | 24.076     | 24.076      | 0      |
| 351      | 100      | Unbiased            | 23.986     | 23.999      | 0.013  |
| 352      | 100      | Unbiased            | 24.082     | 24.103      | 0.021  |

TID vs Post - Pre Exposure Delta

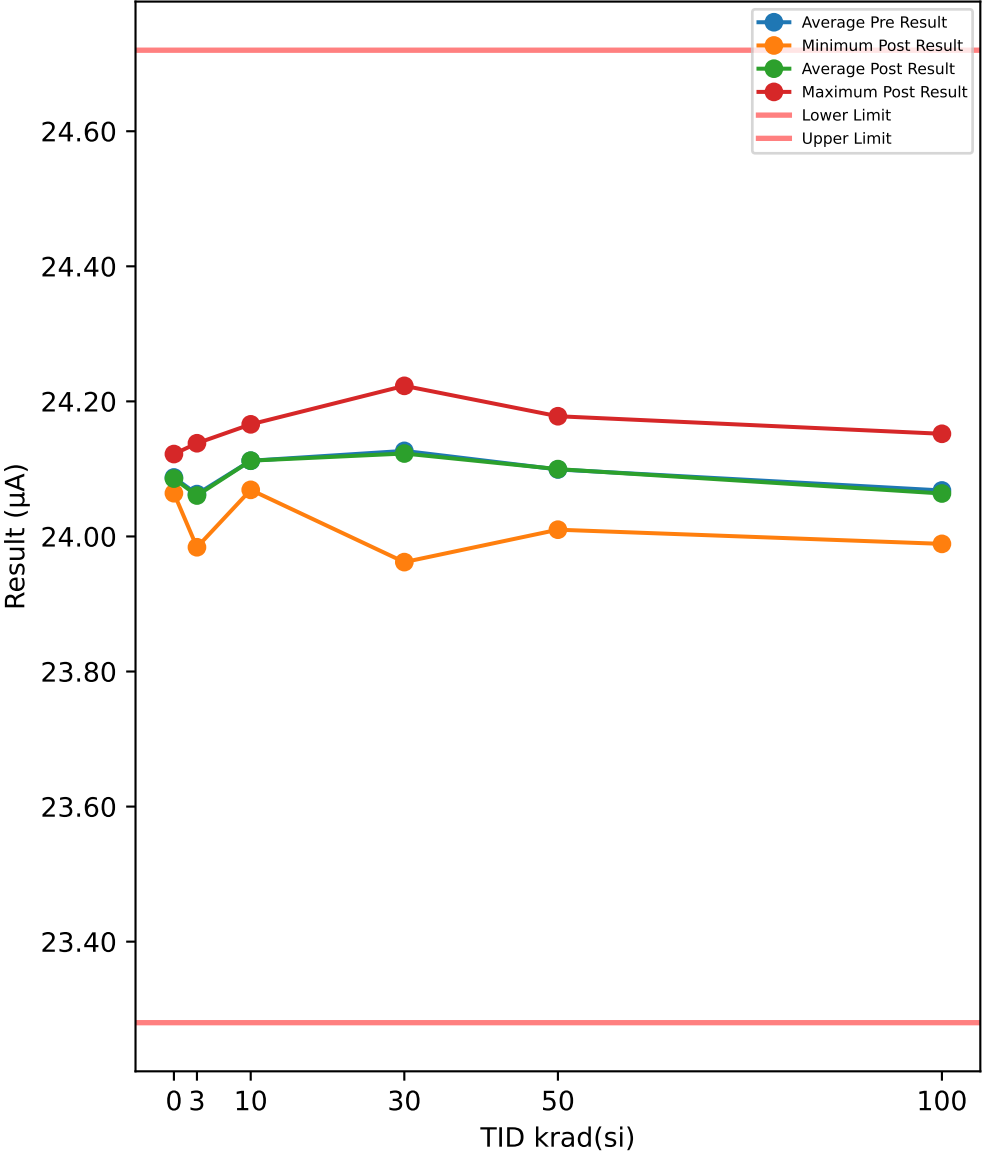


Test Statistics (µA)

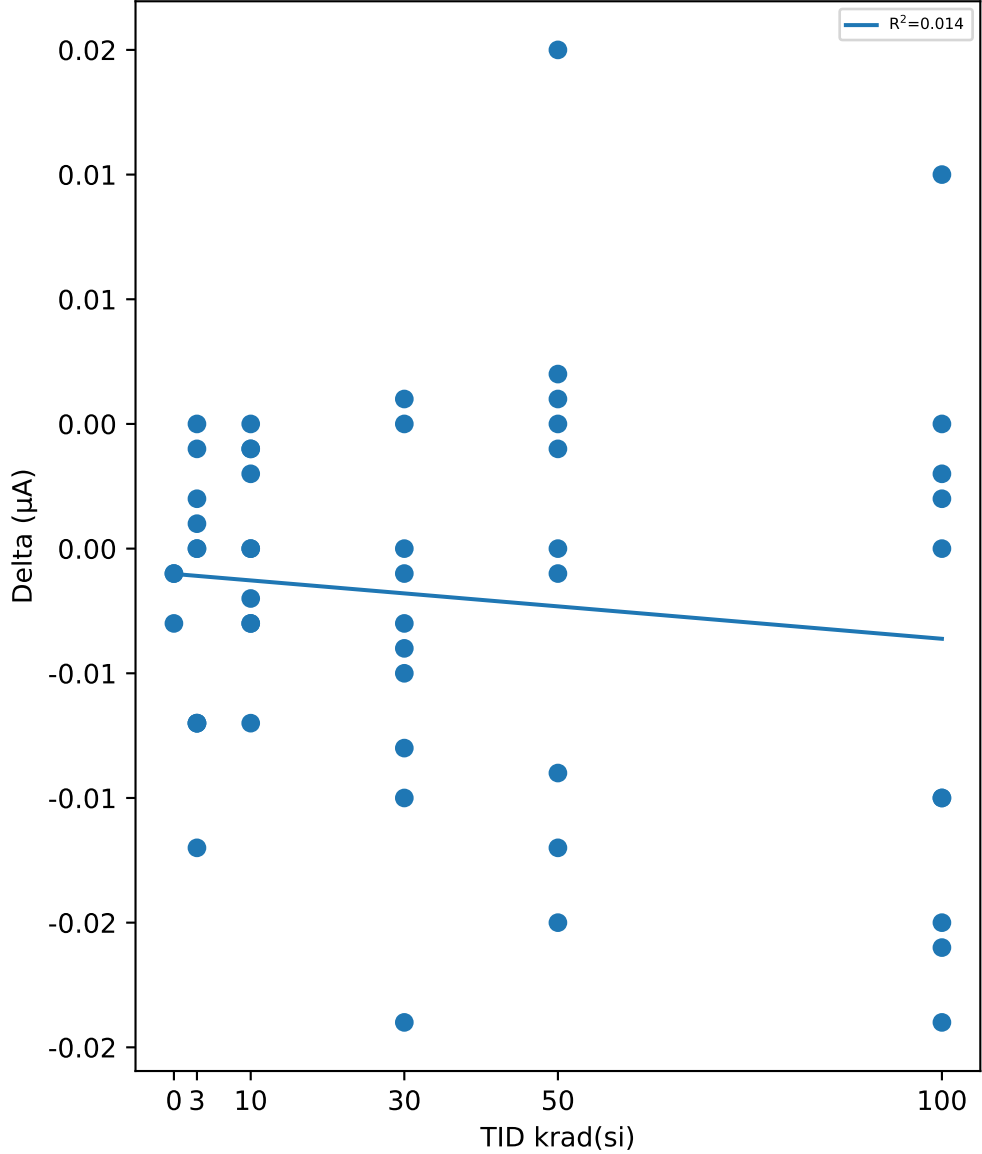
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 24.045           | 24.088           | 24.139           | 0.047427         | 24.043            | 24.087            | 24.139            | 0.048418          | -0.002    | -0.001    | 0         | 0.001     |
| 3        | 23.994           | 24.046           | 24.112           | 0.042836         | 23.992            | 24.05             | 24.123            | 0.044388          | -0.007    | 0.0031    | 0.011     | 0.0051521 |
| 10       | 24.034           | 24.082           | 24.145           | 0.03263          | 24.033            | 24.081            | 24.14             | 0.030876          | -0.009    | -0.0003   | 0.008     | 0.0053552 |
| 30       | 24.017           | 24.087           | 24.14            | 0.034632         | 24.013            | 24.082            | 24.133            | 0.032562          | -0.018    | -0.0041   | 0.007     | 0.0070781 |
| 50       | 23.979           | 24.077           | 24.178           | 0.062162         | 23.962            | 24.08             | 24.166            | 0.061972          | -0.017    | 0.0032    | 0.028     | 0.013983  |
| 100      | 23.986           | 24.052           | 24.099           | 0.03687          | 23.999            | 24.057            | 24.105            | 0.038048          | -0.01     | 0.0052    | 0.021     | 0.011802  |

Device Test: 6.26 ; IHYS

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 23.28, Upper Limit = 24.72 (µA))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 24.074     | 24.071      | -0.003 |
| 301      | 0        | Correlation         | 24.123     | 24.122      | -0.001 |
| 302      | 0        | Correlation         | 24.065     | 24.064      | -0.001 |
| 303      | 3        | Bias                | 24.013     | 24.013      | 0      |
| 304      | 3        | Bias                | 24.005     | 23.993      | -0.012 |
| 305      | 3        | Bias                | 24.138     | 24.138      | 0      |
| 306      | 3        | Bias                | 24.041     | 24.034      | -0.007 |
| 307      | 3        | Bias                | 24.106     | 24.099      | -0.007 |
| 308      | 3        | Unbiased            | 24.082     | 24.084      | 0.002  |
| 309      | 3        | Unbiased            | 23.98      | 23.984      | 0.004  |
| 310      | 3        | Unbiased            | 24.078     | 24.079      | 0.001  |
| 311      | 3        | Unbiased            | 24.12      | 24.113      | -0.007 |
| 312      | 3        | Unbiased            | 24.064     | 24.069      | 0.005  |
| 313      | 10       | Bias                | 24.077     | 24.081      | 0.004  |
| 314      | 10       | Bias                | 24.169     | 24.166      | -0.003 |
| 315      | 10       | Bias                | 24.066     | 24.07       | 0.004  |
| 316      | 10       | Bias                | 24.116     | 24.114      | -0.002 |
| 317      | 10       | Bias                | 24.127     | 24.124      | -0.003 |
| 318      | 10       | Unbiased            | 24.069     | 24.069      | 0      |
| 319      | 10       | Unbiased            | 24.11      | 24.11       | 0      |
| 320      | 10       | Unbiased            | 24.155     | 24.148      | -0.007 |
| 321      | 10       | Unbiased            | 24.152     | 24.157      | 0.005  |
| 322      | 10       | Unbiased            | 24.08      | 24.083      | 0.003  |
| 323      | 30       | Bias                | 24.142     | 24.134      | -0.008 |
| 324      | 30       | Bias                | 24.193     | 24.193      | 0      |
| 325      | 30       | Bias                | 24.144     | 24.125      | -0.019 |
| 326      | 30       | Bias                | 24.134     | 24.133      | -0.001 |
| 327      | 30       | Bias                | 24.161     | 24.151      | -0.01  |
| 328      | 30       | Unbiased            | 24.227     | 24.223      | -0.004 |
| 329      | 30       | Unbiased            | 24.088     | 24.093      | 0.005  |
| 330      | 30       | Unbiased            | 24.155     | 24.152      | -0.003 |
| 331      | 30       | Unbiased            | 24.056     | 24.062      | 0.006  |
| 332      | 30       | Unbiased            | 23.967     | 23.962      | -0.005 |
| 333      | 50       | Bias                | 24.125     | 24.132      | 0.007  |
| 334      | 50       | Bias                | 24.056     | 24.055      | -0.001 |
| 335      | 50       | Bias                | 24.042     | 24.027      | -0.015 |
| 336      | 50       | Bias                | 24.019     | 24.01       | -0.009 |
| 337      | 50       | Bias                | 24.138     | 24.126      | -0.012 |
| 338      | 50       | Unbiased            | 24.174     | 24.178      | 0.004  |
| 339      | 50       | Unbiased            | 24.116     | 24.116      | 0      |
| 340      | 50       | Unbiased            | 24.066     | 24.071      | 0.005  |
| 341      | 50       | Unbiased            | 24.116     | 24.122      | 0.006  |
| 342      | 50       | Unbiased            | 24.14      | 24.16       | 0.02   |
| 343      | 100      | Bias                | 24.071     | 24.052      | -0.019 |
| 344      | 100      | Bias                | 24.073     | 24.058      | -0.015 |
| 345      | 100      | Bias                | 24.139     | 24.123      | -0.016 |
| 346      | 100      | Bias                | 24.057     | 24.047      | -0.01  |
| 347      | 100      | Bias                | 24.15      | 24.152      | 0.002  |
| 348      | 100      | Unbiased            | 24.112     | 24.112      | 0      |
| 349      | 100      | Unbiased            | 24.008     | 24.011      | 0.003  |
| 350      | 100      | Unbiased            | 24.078     | 24.068      | -0.01  |
| 351      | 100      | Unbiased            | 23.984     | 23.989      | 0.005  |
| 352      | 100      | Unbiased            | 24.009     | 24.024      | 0.015  |

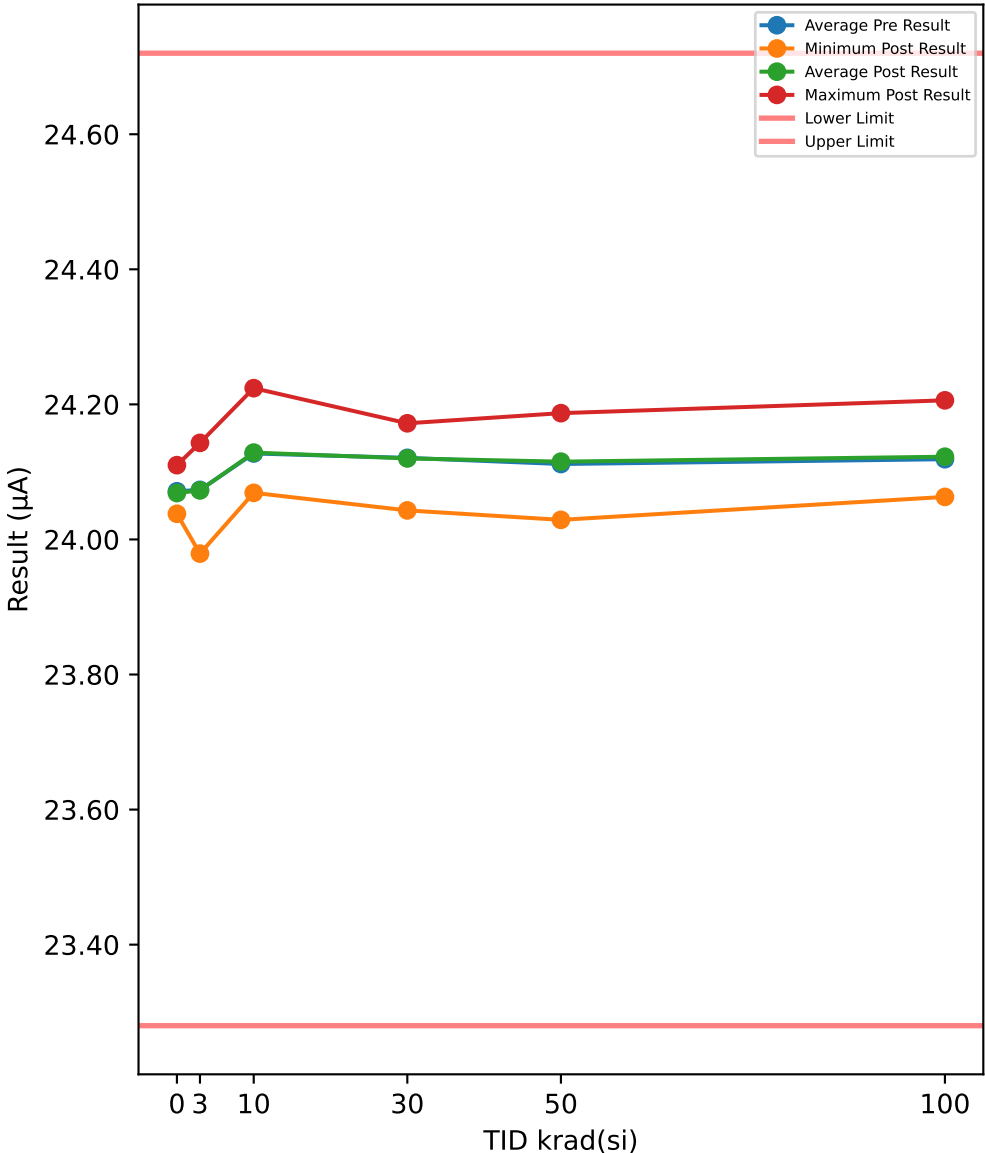
Test Statistics (µA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 24.065           | 24.087           | 24.123           | 0.031214         | 24.064            | 24.086            | 24.122            | 0.03166           | -0.003    | -0.0016667 | -0.001    | 0.0011547 |
| 3        | 23.98            | 24.063           | 24.138           | 0.052224         | 23.984            | 24.061            | 24.138            | 0.052258          | -0.012    | -0.0021    | 0.005     | 0.0057048 |
| 10       | 24.066           | 24.112           | 24.169           | 0.038235         | 24.069            | 24.112            | 24.166            | 0.036215          | -0.007    | 0.0001     | 0.005     | 0.0039001 |
| 30       | 23.967           | 24.127           | 24.227           | 0.073802         | 23.962            | 24.123            | 24.223            | 0.072489          | -0.019    | -0.0039    | 0.006     | 0.0073401 |
| 50       | 24.019           | 24.099           | 24.174           | 0.050186         | 24.01             | 24.1              | 24.178            | 0.056192          | -0.015    | 0.0005     | 0.02      | 0.010406  |
| 100      | 23.984           | 24.068           | 24.15            | 0.05587          | 23.989            | 24.064            | 24.152            | 0.05169           | -0.019    | -0.0045    | 0.015     | 0.011068  |



Device Test: 6.27 ; IHYS

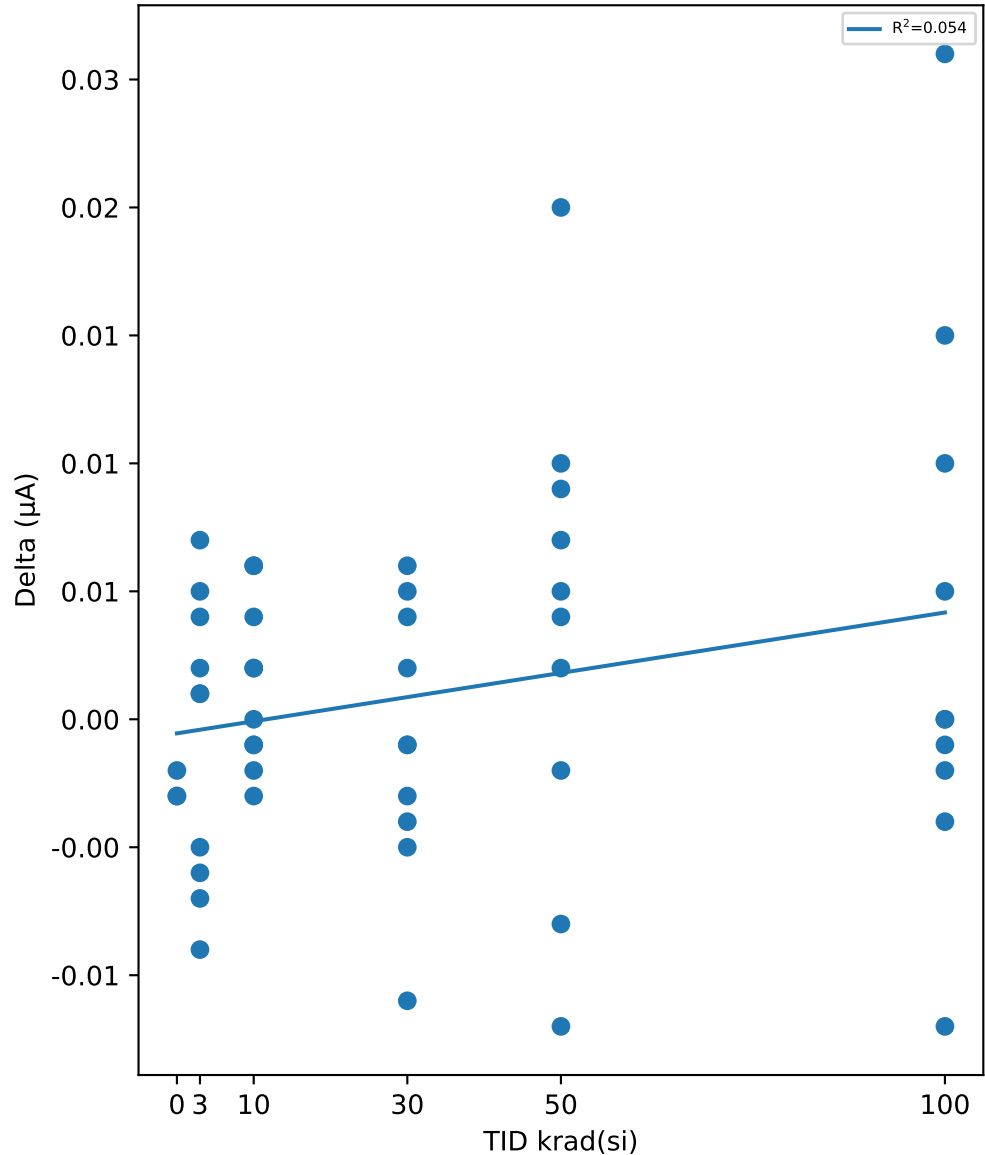
TID vs Result Stats



Test Results (Lower Limit = 23.28, Upper Limit = 24.72 (µA))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 24.061     | 24.058      | -0.003 |
| 301      | 0        | Correlation         | 24.112     | 24.11       | -0.002 |
| 302      | 0        | Correlation         | 24.041     | 24.038      | -0.003 |
| 303      | 3        | Bias                | 24.058     | 24.06       | 0.002  |
| 304      | 3        | Bias                | 23.988     | 23.979      | -0.009 |
| 305      | 3        | Bias                | 24.126     | 24.127      | 0.001  |
| 306      | 3        | Bias                | 24.08      | 24.074      | -0.006 |
| 307      | 3        | Bias                | 24.09      | 24.085      | -0.005 |
| 308      | 3        | Unbiased            | 24.138     | 24.143      | 0.005  |
| 309      | 3        | Unbiased            | 24.011     | 24.015      | 0.004  |
| 310      | 3        | Unbiased            | 24.076     | 24.077      | 0.001  |
| 311      | 3        | Unbiased            | 24.098     | 24.091      | -0.007 |
| 312      | 3        | Unbiased            | 24.069     | 24.076      | 0.007  |
| 313      | 10       | Bias                | 24.081     | 24.087      | 0.006  |
| 314      | 10       | Bias                | 24.227     | 24.224      | -0.003 |
| 315      | 10       | Bias                | 24.125     | 24.131      | 0.006  |
| 316      | 10       | Bias                | 24.172     | 24.171      | -0.001 |
| 317      | 10       | Bias                | 24.16      | 24.159      | -0.001 |
| 318      | 10       | Unbiased            | 24.129     | 24.129      | 0      |
| 319      | 10       | Unbiased            | 24.092     | 24.094      | 0.002  |
| 320      | 10       | Unbiased            | 24.109     | 24.111      | 0.002  |
| 321      | 10       | Unbiased            | 24.113     | 24.111      | -0.002 |
| 322      | 10       | Unbiased            | 24.065     | 24.069      | 0.004  |
| 323      | 30       | Bias                | 24.116     | 24.115      | -0.001 |
| 324      | 30       | Bias                | 24.134     | 24.14       | 0.006  |
| 325      | 30       | Bias                | 24.143     | 24.132      | -0.011 |
| 326      | 30       | Bias                | 24.167     | 24.172      | 0.005  |
| 327      | 30       | Bias                | 24.134     | 24.13       | -0.004 |
| 328      | 30       | Unbiased            | 24.117     | 24.112      | -0.005 |
| 329      | 30       | Unbiased            | 24.121     | 24.125      | 0.004  |
| 330      | 30       | Unbiased            | 24.083     | 24.08       | -0.003 |
| 331      | 30       | Unbiased            | 24.149     | 24.151      | 0.002  |
| 332      | 30       | Unbiased            | 24.044     | 24.043      | -0.001 |
| 333      | 50       | Bias                | 24.177     | 24.187      | 0.01   |
| 334      | 50       | Bias                | 24.08      | 24.085      | 0.005  |
| 335      | 50       | Bias                | 24.089     | 24.077      | -0.012 |
| 336      | 50       | Bias                | 24.037     | 24.029      | -0.008 |
| 337      | 50       | Bias                | 24.181     | 24.179      | -0.002 |
| 338      | 50       | Unbiased            | 24.119     | 24.123      | 0.004  |
| 339      | 50       | Unbiased            | 24.135     | 24.137      | 0.002  |
| 340      | 50       | Unbiased            | 24.026     | 24.035      | 0.009  |
| 341      | 50       | Unbiased            | 24.158     | 24.165      | 0.007  |
| 342      | 50       | Unbiased            | 24.115     | 24.135      | 0.02   |
| 343      | 100      | Bias                | 24.139     | 24.137      | -0.002 |
| 344      | 100      | Bias                | 24.116     | 24.115      | -0.001 |
| 345      | 100      | Bias                | 24.109     | 24.109      | 0      |
| 346      | 100      | Bias                | 24.133     | 24.129      | -0.004 |
| 347      | 100      | Bias                | 24.18      | 24.206      | 0.026  |
| 348      | 100      | Unbiased            | 24.133     | 24.133      | 0      |
| 349      | 100      | Unbiased            | 24.053     | 24.063      | 0.01   |
| 350      | 100      | Unbiased            | 24.172     | 24.16       | -0.012 |
| 351      | 100      | Unbiased            | 24.093     | 24.098      | 0.005  |
| 352      | 100      | Unbiased            | 24.06      | 24.075      | 0.015  |

TID vs Post - Pre Exposure Delta

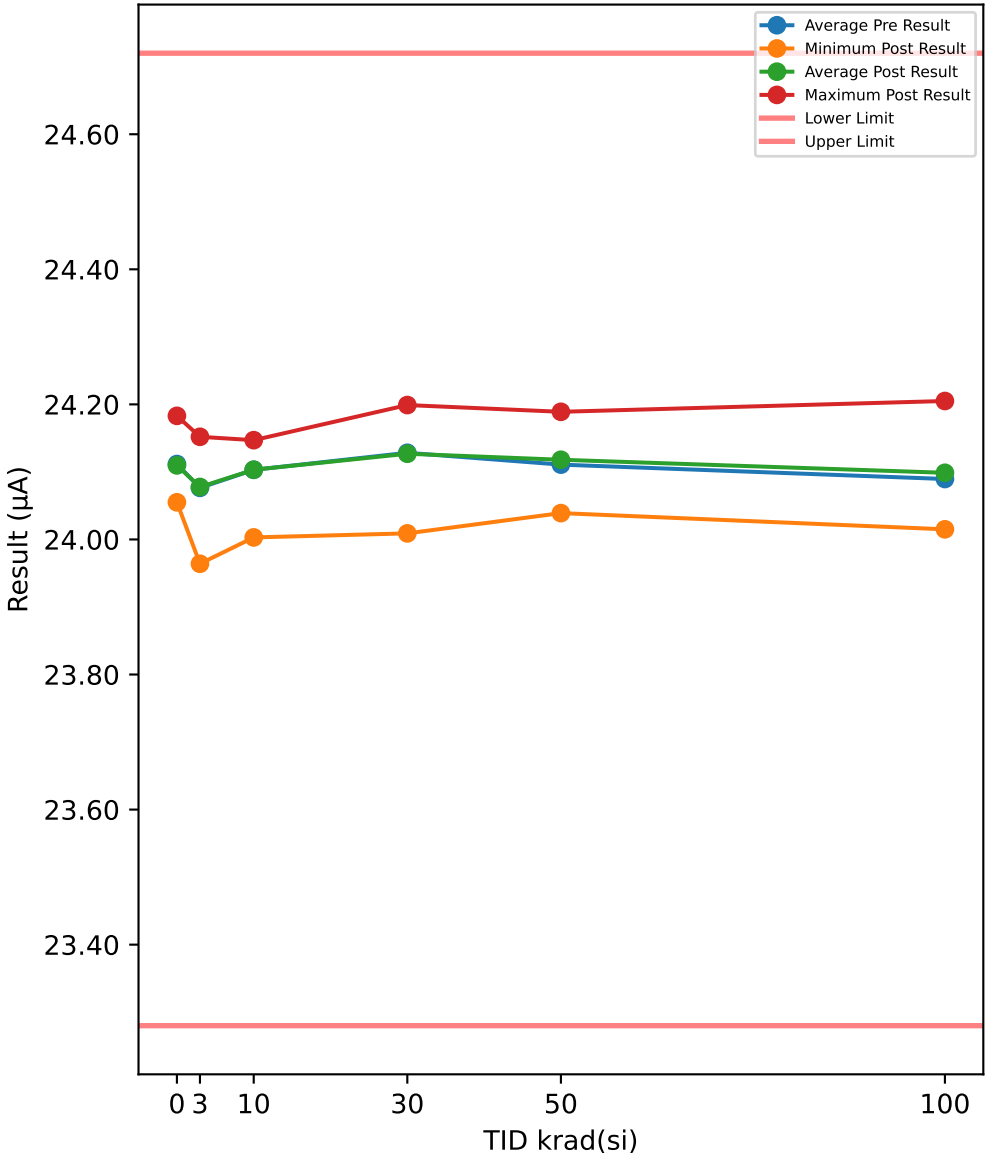


Test Statistics (µA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|------------|
| 0        | 24.041           | 24.071           | 24.112           | 0.036611         | 24.038            | 24.069            | 24.11             | 0.037166          | -0.003    | -0.0026667 | -0.002    | 0.00057735 |
| 3        | 23.988           | 24.073           | 24.138           | 0.046325         | 23.979            | 24.073            | 24.143            | 0.047933          | -0.009    | -0.0007    | 0.007     | 0.0055986  |
| 10       | 24.065           | 24.127           | 24.227           | 0.048104         | 24.069            | 24.129            | 24.224            | 0.04586           | -0.003    | 0.0013     | 0.006     | 0.0032335  |
| 30       | 24.044           | 24.121           | 24.167           | 0.035175         | 24.043            | 24.12             | 24.172            | 0.036442          | -0.011    | -0.0008    | 0.006     | 0.0052451  |
| 50       | 24.026           | 24.112           | 24.181           | 0.054019         | 24.029            | 24.115            | 24.187            | 0.056635          | -0.012    | 0.0035     | 0.02      | 0.0092165  |
| 100      | 24.053           | 24.119           | 24.18            | 0.042089         | 24.063            | 24.122            | 24.206            | 0.041334          | -0.012    | 0.0037     | 0.026     | 0.010822   |

Device Test: 6.28 ; IHYS

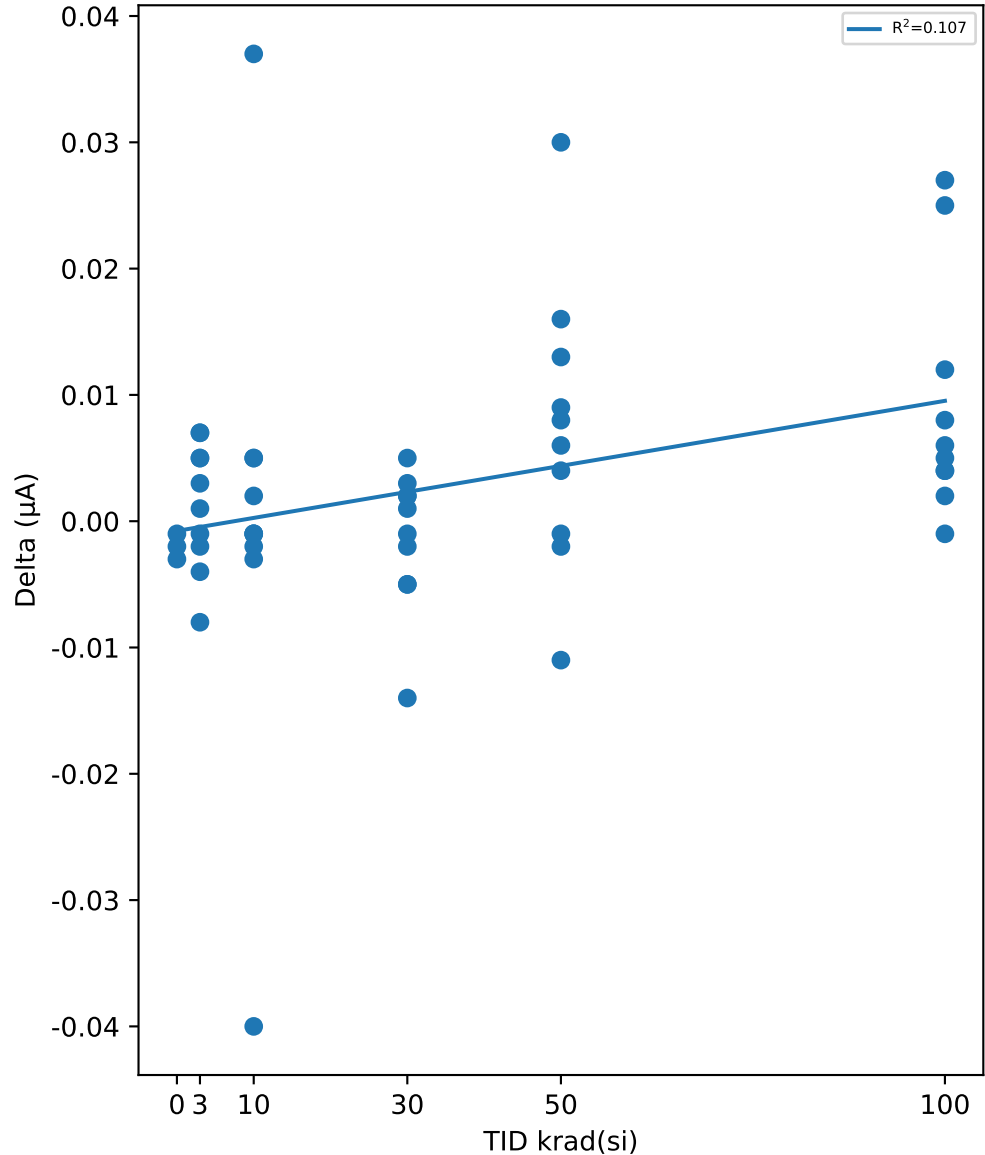
TID vs Result Stats



Test Results (Lower Limit = 23.28, Upper Limit = 24.72 (µA))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 24.058     | 24.055      | -0.003 |
| 301      | 0        | Correlation         | 24.184     | 24.183      | -0.001 |
| 302      | 0        | Correlation         | 24.093     | 24.091      | -0.002 |
| 303      | 3        | Bias                | 24.02      | 24.027      | 0.007  |
| 304      | 3        | Bias                | 23.968     | 23.964      | -0.004 |
| 305      | 3        | Bias                | 24.147     | 24.152      | 0.005  |
| 306      | 3        | Bias                | 24.07      | 24.069      | -0.001 |
| 307      | 3        | Bias                | 24.102     | 24.1        | -0.002 |
| 308      | 3        | Unbiased            | 24.137     | 24.144      | 0.007  |
| 309      | 3        | Unbiased            | 24.094     | 24.097      | 0.003  |
| 310      | 3        | Unbiased            | 24.045     | 24.046      | 0.001  |
| 311      | 3        | Unbiased            | 24.084     | 24.076      | -0.008 |
| 312      | 3        | Unbiased            | 24.097     | 24.102      | 0.005  |
| 313      | 10       | Bias                | 24.066     | 24.071      | 0.005  |
| 314      | 10       | Bias                | 24.149     | 24.147      | -0.002 |
| 315      | 10       | Bias                | 24.078     | 24.083      | 0.005  |
| 316      | 10       | Bias                | 24.143     | 24.14       | -0.003 |
| 317      | 10       | Bias                | 24.145     | 24.144      | -0.001 |
| 318      | 10       | Unbiased            | 24.127     | 24.126      | -0.001 |
| 319      | 10       | Unbiased            | 24.089     | 24.088      | -0.001 |
| 320      | 10       | Unbiased            | 24.135     | 24.095      | -0.04  |
| 321      | 10       | Unbiased            | 24.098     | 24.135      | 0.037  |
| 322      | 10       | Unbiased            | 24.001     | 24.003      | 0.002  |
| 323      | 30       | Bias                | 24.106     | 24.108      | 0.002  |
| 324      | 30       | Bias                | 24.119     | 24.121      | 0.002  |
| 325      | 30       | Bias                | 24.178     | 24.164      | -0.014 |
| 326      | 30       | Bias                | 24.078     | 24.081      | 0.003  |
| 327      | 30       | Bias                | 24.201     | 24.199      | -0.002 |
| 328      | 30       | Unbiased            | 24.192     | 24.187      | -0.005 |
| 329      | 30       | Unbiased            | 24.108     | 24.113      | 0.005  |
| 330      | 30       | Unbiased            | 24.14      | 24.135      | -0.005 |
| 331      | 30       | Unbiased            | 24.151     | 24.152      | 0.001  |
| 332      | 30       | Unbiased            | 24.01      | 24.009      | -0.001 |
| 333      | 50       | Bias                | 24.167     | 24.18       | 0.013  |
| 334      | 50       | Bias                | 24.031     | 24.04       | 0.009  |
| 335      | 50       | Bias                | 24.05      | 24.039      | -0.011 |
| 336      | 50       | Bias                | 24.102     | 24.1        | -0.002 |
| 337      | 50       | Bias                | 24.185     | 24.184      | -0.001 |
| 338      | 50       | Unbiased            | 24.111     | 24.115      | 0.004  |
| 339      | 50       | Unbiased            | 24.08      | 24.086      | 0.006  |
| 340      | 50       | Unbiased            | 24.055     | 24.071      | 0.016  |
| 341      | 50       | Unbiased            | 24.181     | 24.189      | 0.008  |
| 342      | 50       | Unbiased            | 24.146     | 24.176      | 0.03   |
| 343      | 100      | Bias                | 24.088     | 24.093      | 0.005  |
| 344      | 100      | Bias                | 24.06      | 24.062      | 0.002  |
| 345      | 100      | Bias                | 24.158     | 24.162      | 0.004  |
| 346      | 100      | Bias                | 24.111     | 24.117      | 0.006  |
| 347      | 100      | Bias                | 24.078     | 24.105      | 0.027  |
| 348      | 100      | Unbiased            | 24.197     | 24.205      | 0.008  |
| 349      | 100      | Unbiased            | 24.092     | 24.104      | 0.012  |
| 350      | 100      | Unbiased            | 24.103     | 24.102      | -0.001 |
| 351      | 100      | Unbiased            | 24.011     | 24.015      | 0.004  |
| 352      | 100      | Unbiased            | 23.997     | 24.022      | 0.025  |

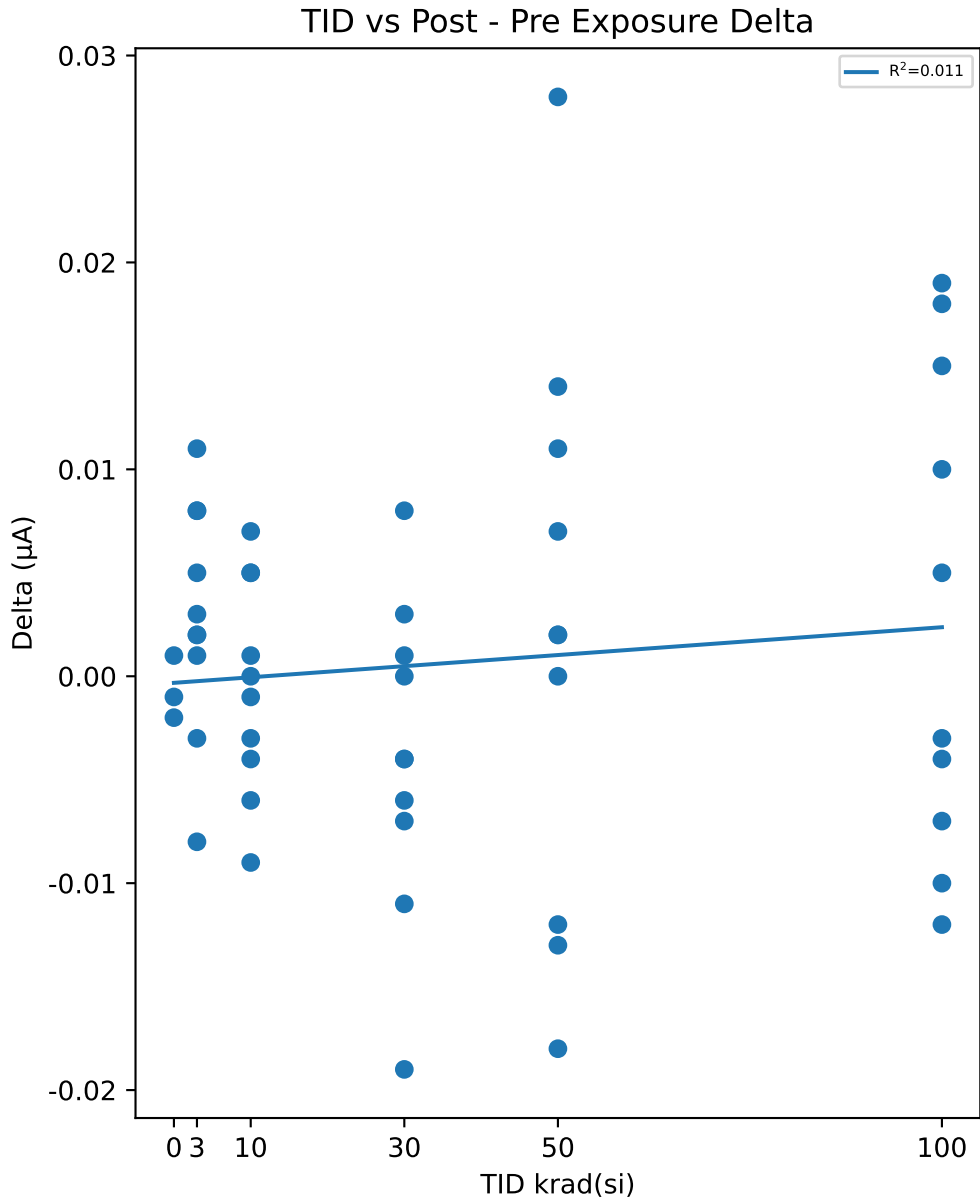
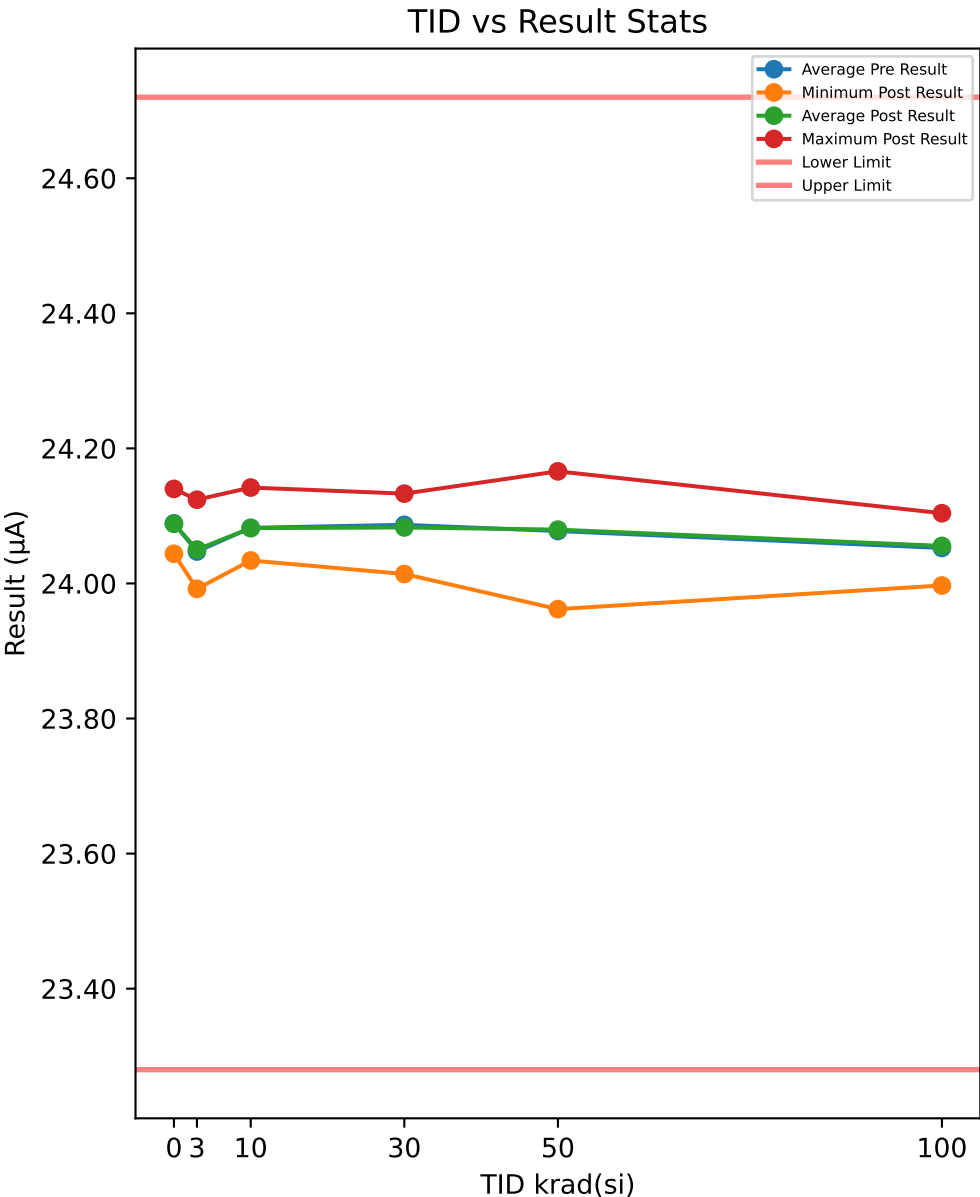
TID vs Post - Pre Exposure Delta



Test Statistics (µA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 24.058           | 24.112           | 24.184           | 0.065041         | 24.055            | 24.11             | 24.183            | 0.06601           | -0.003    | -0.002    | -0.001    | 0.001     |
| 3        | 23.968           | 24.076           | 24.147           | 0.053813         | 23.964            | 24.078            | 24.152            | 0.055736          | -0.008    | 0.0013    | 0.007     | 0.0050122 |
| 10       | 24.001           | 24.103           | 24.149           | 0.046784         | 24.003            | 24.103            | 24.147            | 0.045033          | -0.04     | 0.0001    | 0.037     | 0.018375  |
| 30       | 24.01            | 24.128           | 24.201           | 0.057722         | 24.009            | 24.127            | 24.199            | 0.055252          | -0.014    | -0.0014   | 0.005     | 0.0055217 |
| 50       | 24.031           | 24.111           | 24.185           | 0.056799         | 24.039            | 24.118            | 24.189            | 0.060089          | -0.011    | 0.0072    | 0.03      | 0.011203  |
| 100      | 23.997           | 24.09            | 24.197           | 0.060206         | 24.015            | 24.099            | 24.205            | 0.057724          | -0.001    | 0.0092    | 0.027     | 0.0095079 |

Device Test: 6.29 ; IHYS



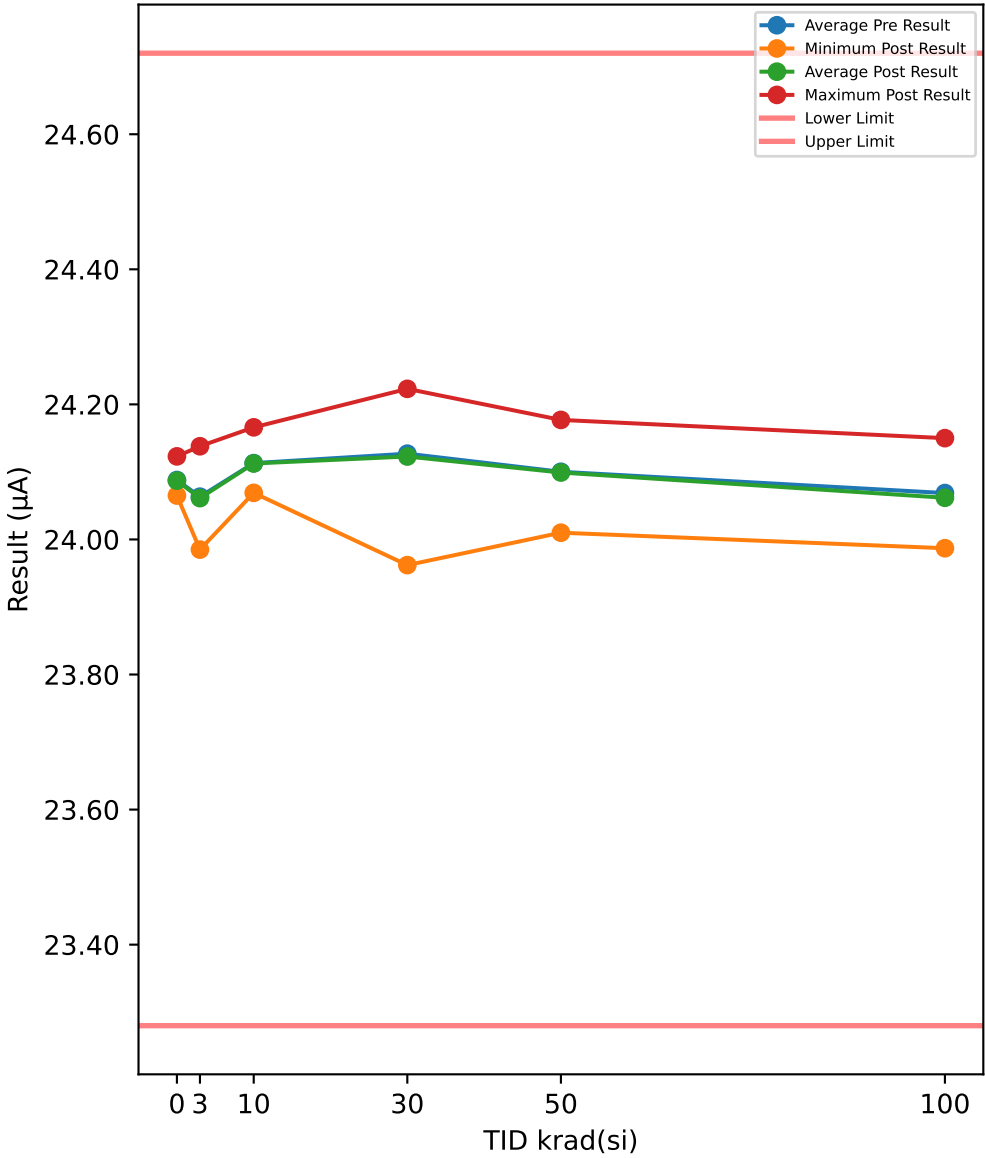
| Test Results (Lower Limit = 23.28, Upper Limit = 24.72 (µA)) |          |                     |            |             |        |
|--------------------------------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                                     | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                                          | 0        | Correlation         | 24.046     | 24.044      | -0.002 |
| 301                                                          | 0        | Correlation         | 24.139     | 24.14       | 0.001  |
| 302                                                          | 0        | Correlation         | 24.082     | 24.081      | -0.001 |
| 303                                                          | 3        | Bias                | 24.004     | 24.012      | 0.008  |
| 304                                                          | 3        | Bias                | 23.995     | 23.992      | -0.003 |
| 305                                                          | 3        | Bias                | 24.099     | 24.107      | 0.008  |
| 306                                                          | 3        | Bias                | 24.095     | 24.097      | 0.002  |
| 307                                                          | 3        | Bias                | 24.013     | 24.015      | 0.002  |
| 308                                                          | 3        | Unbiased            | 24.113     | 24.124      | 0.011  |
| 309                                                          | 3        | Unbiased            | 24.021     | 24.024      | 0.003  |
| 310                                                          | 3        | Unbiased            | 24.04      | 24.041      | 0.001  |
| 311                                                          | 3        | Unbiased            | 24.065     | 24.057      | -0.008 |
| 312                                                          | 3        | Unbiased            | 24.028     | 24.033      | 0.005  |
| 313                                                          | 10       | Bias                | 24.045     | 24.05       | 0.005  |
| 314                                                          | 10       | Bias                | 24.102     | 24.099      | -0.003 |
| 315                                                          | 10       | Bias                | 24.093     | 24.098      | 0.005  |
| 316                                                          | 10       | Bias                | 24.108     | 24.102      | -0.006 |
| 317                                                          | 10       | Bias                | 24.146     | 24.142      | -0.004 |
| 318                                                          | 10       | Unbiased            | 24.073     | 24.072      | -0.001 |
| 319                                                          | 10       | Unbiased            | 24.034     | 24.034      | 0      |
| 320                                                          | 10       | Unbiased            | 24.061     | 24.068      | 0.007  |
| 321                                                          | 10       | Unbiased            | 24.071     | 24.062      | -0.009 |
| 322                                                          | 10       | Unbiased            | 24.091     | 24.092      | 0.001  |
| 323                                                          | 30       | Bias                | 24.087     | 24.081      | -0.006 |
| 324                                                          | 30       | Bias                | 24.09      | 24.091      | 0.001  |
| 325                                                          | 30       | Bias                | 24.102     | 24.083      | -0.019 |
| 326                                                          | 30       | Bias                | 24.084     | 24.084      | 0      |
| 327                                                          | 30       | Bias                | 24.129     | 24.118      | -0.011 |
| 328                                                          | 30       | Unbiased            | 24.14      | 24.133      | -0.007 |
| 329                                                          | 30       | Unbiased            | 24.064     | 24.072      | 0.008  |
| 330                                                          | 30       | Unbiased            | 24.063     | 24.059      | -0.004 |
| 331                                                          | 30       | Unbiased            | 24.091     | 24.094      | 0.003  |
| 332                                                          | 30       | Unbiased            | 24.018     | 24.014      | -0.004 |
| 333                                                          | 50       | Bias                | 24.12      | 24.122      | 0.002  |
| 334                                                          | 50       | Bias                | 24.04      | 24.042      | 0.002  |
| 335                                                          | 50       | Bias                | 23.98      | 23.962      | -0.018 |
| 336                                                          | 50       | Bias                | 24.054     | 24.042      | -0.012 |
| 337                                                          | 50       | Bias                | 24.179     | 24.166      | -0.013 |
| 338                                                          | 50       | Unbiased            | 24.129     | 24.129      | 0      |
| 339                                                          | 50       | Unbiased            | 24.117     | 24.124      | 0.007  |
| 340                                                          | 50       | Unbiased            | 24.027     | 24.041      | 0.014  |
| 341                                                          | 50       | Unbiased            | 24.11      | 24.121      | 0.011  |
| 342                                                          | 50       | Unbiased            | 24.02      | 24.048      | 0.028  |
| 343                                                          | 100      | Bias                | 24.047     | 24.037      | -0.01  |
| 344                                                          | 100      | Bias                | 24.009     | 24.005      | -0.004 |
| 345                                                          | 100      | Bias                | 24.032     | 24.025      | -0.007 |
| 346                                                          | 100      | Bias                | 24.095     | 24.083      | -0.012 |
| 347                                                          | 100      | Bias                | 24.055     | 24.073      | 0.018  |
| 348                                                          | 100      | Unbiased            | 24.099     | 24.104      | 0.005  |
| 349                                                          | 100      | Unbiased            | 24.042     | 24.057      | 0.015  |
| 350                                                          | 100      | Unbiased            | 24.077     | 24.074      | -0.003 |
| 351                                                          | 100      | Unbiased            | 23.987     | 23.997      | 0.01   |
| 352                                                          | 100      | Unbiased            | 24.082     | 24.101      | 0.019  |

Test Statistics (µA)

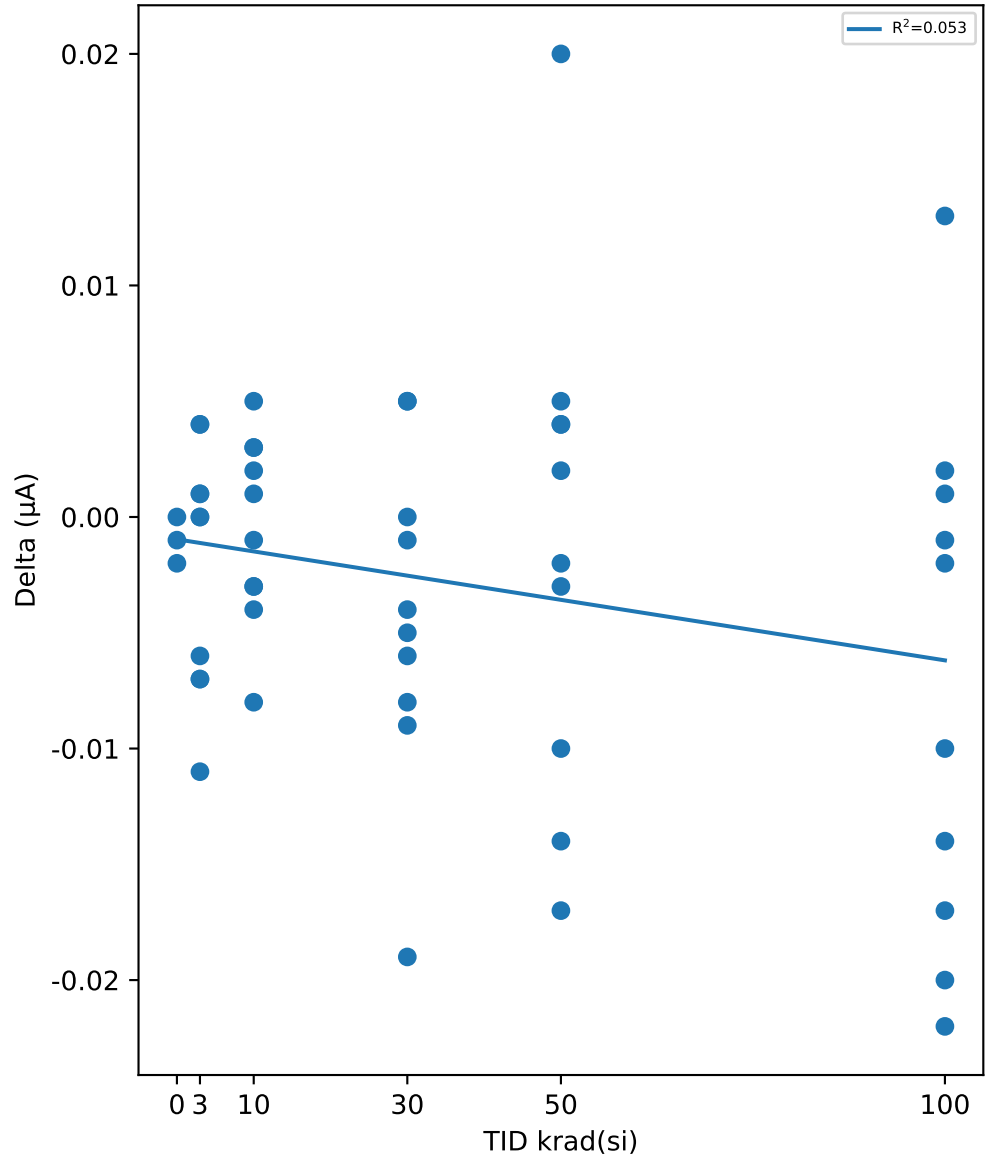
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|-----------|
| 0        | 24.046           | 24.089           | 24.139           | 0.046893         | 24.044            | 24.088            | 24.14             | 0.048418          | -0.002    | -0.00066667 | 0.001     | 0.0015275 |
| 3        | 23.995           | 24.047           | 24.113           | 0.042794         | 23.992            | 24.05             | 24.124            | 0.044798          | -0.008    | 0.0029      | 0.011     | 0.0055867 |
| 10       | 24.034           | 24.082           | 24.146           | 0.03281          | 24.034            | 24.082            | 24.142            | 0.031036          | -0.009    | -0.0005     | 0.007     | 0.0051694 |
| 30       | 24.018           | 24.087           | 24.14            | 0.034476         | 24.014            | 24.083            | 24.133            | 0.032271          | -0.019    | -0.0039     | 0.008     | 0.0076077 |
| 50       | 23.98            | 24.078           | 24.179           | 0.062092         | 23.962            | 24.08             | 24.166            | 0.061945          | -0.018    | 0.0021      | 0.028     | 0.013948  |
| 100      | 23.987           | 24.053           | 24.099           | 0.036801         | 23.997            | 24.056            | 24.104            | 0.038114          | -0.012    | 0.0031      | 0.019     | 0.011818  |

Device Test: 6.30 ; IHYS

TID vs Result Stats



TID vs Post - Pre Exposure Delta



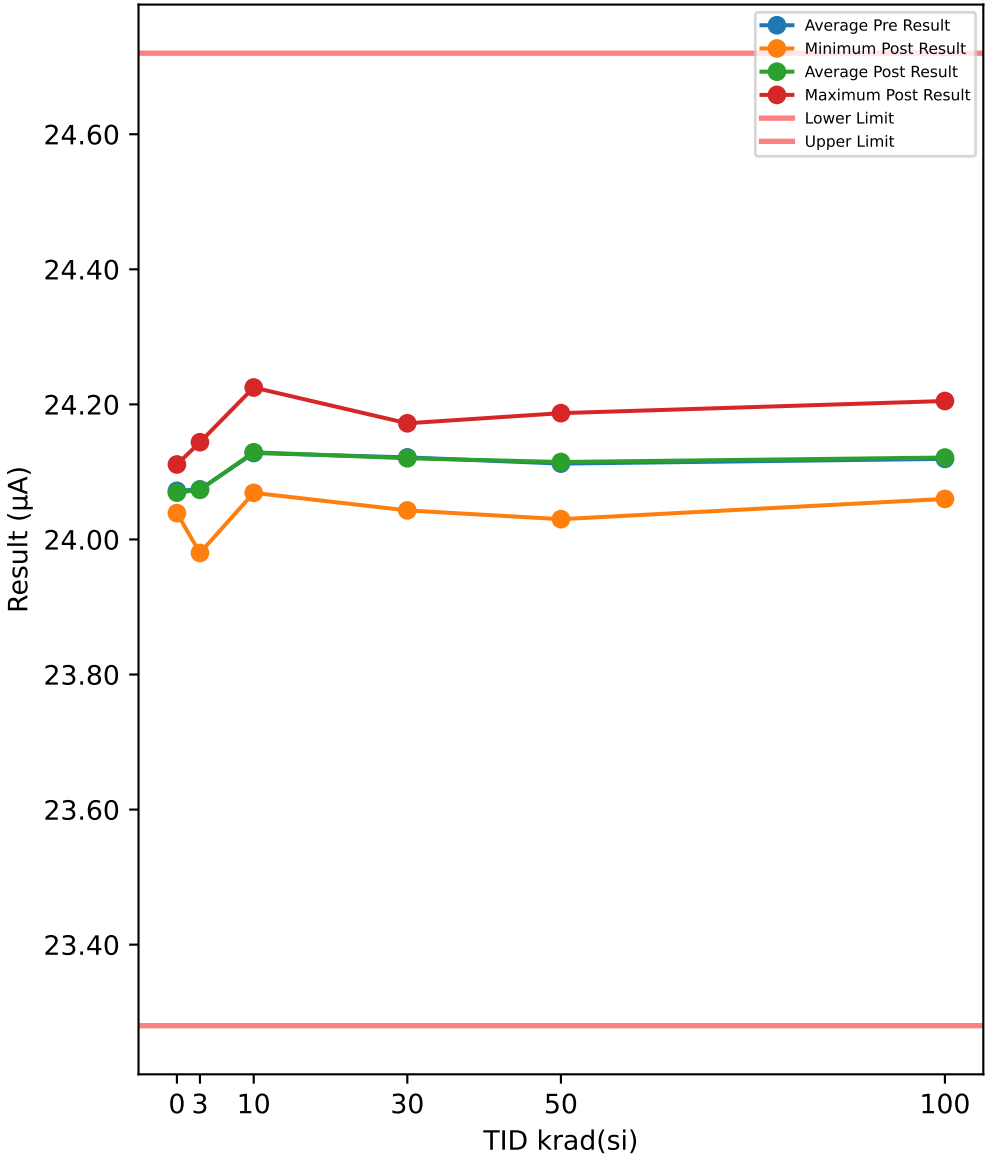
Test Results (Lower Limit = 23.28, Upper Limit = 24.72 (µA))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 24.075     | 24.073      | -0.002 |
| 301      | 0        | Correlation         | 24.123     | 24.123      | 0      |
| 302      | 0        | Correlation         | 24.066     | 24.065      | -0.001 |
| 303      | 3        | Bias                | 24.014     | 24.014      | 0      |
| 304      | 3        | Bias                | 24.005     | 23.994      | -0.011 |
| 305      | 3        | Bias                | 24.138     | 24.138      | 0      |
| 306      | 3        | Bias                | 24.042     | 24.036      | -0.006 |
| 307      | 3        | Bias                | 24.106     | 24.099      | -0.007 |
| 308      | 3        | Unbiased            | 24.083     | 24.084      | 0.001  |
| 309      | 3        | Unbiased            | 23.981     | 23.985      | 0.004  |
| 310      | 3        | Unbiased            | 24.078     | 24.079      | 0.001  |
| 311      | 3        | Unbiased            | 24.121     | 24.114      | -0.007 |
| 312      | 3        | Unbiased            | 24.065     | 24.069      | 0.004  |
| 313      | 10       | Bias                | 24.078     | 24.081      | 0.003  |
| 314      | 10       | Bias                | 24.169     | 24.166      | -0.003 |
| 315      | 10       | Bias                | 24.067     | 24.07       | 0.003  |
| 316      | 10       | Bias                | 24.118     | 24.114      | -0.004 |
| 317      | 10       | Bias                | 24.128     | 24.125      | -0.003 |
| 318      | 10       | Unbiased            | 24.07      | 24.069      | -0.001 |
| 319      | 10       | Unbiased            | 24.11      | 24.111      | 0.001  |
| 320      | 10       | Unbiased            | 24.156     | 24.148      | -0.008 |
| 321      | 10       | Unbiased            | 24.153     | 24.158      | 0.005  |
| 322      | 10       | Unbiased            | 24.081     | 24.083      | 0.002  |
| 323      | 30       | Bias                | 24.142     | 24.134      | -0.008 |
| 324      | 30       | Bias                | 24.193     | 24.193      | 0      |
| 325      | 30       | Bias                | 24.143     | 24.124      | -0.019 |
| 326      | 30       | Bias                | 24.134     | 24.133      | -0.001 |
| 327      | 30       | Bias                | 24.161     | 24.152      | -0.009 |
| 328      | 30       | Unbiased            | 24.228     | 24.223      | -0.005 |
| 329      | 30       | Unbiased            | 24.088     | 24.093      | 0.005  |
| 330      | 30       | Unbiased            | 24.156     | 24.152      | -0.004 |
| 331      | 30       | Unbiased            | 24.057     | 24.062      | 0.005  |
| 332      | 30       | Unbiased            | 23.968     | 23.962      | -0.006 |
| 333      | 50       | Bias                | 24.126     | 24.131      | 0.005  |
| 334      | 50       | Bias                | 24.057     | 24.054      | -0.003 |
| 335      | 50       | Bias                | 24.043     | 24.026      | -0.017 |
| 336      | 50       | Bias                | 24.02      | 24.01       | -0.01  |
| 337      | 50       | Bias                | 24.139     | 24.125      | -0.014 |
| 338      | 50       | Unbiased            | 24.175     | 24.177      | 0.002  |
| 339      | 50       | Unbiased            | 24.117     | 24.115      | -0.002 |
| 340      | 50       | Unbiased            | 24.067     | 24.071      | 0.004  |
| 341      | 50       | Unbiased            | 24.118     | 24.122      | 0.004  |
| 342      | 50       | Unbiased            | 24.14      | 24.16       | 0.02   |
| 343      | 100      | Bias                | 24.072     | 24.05       | -0.022 |
| 344      | 100      | Bias                | 24.074     | 24.057      | -0.017 |
| 345      | 100      | Bias                | 24.14      | 24.12       | -0.02  |
| 346      | 100      | Bias                | 24.057     | 24.047      | -0.01  |
| 347      | 100      | Bias                | 24.151     | 24.15       | -0.001 |
| 348      | 100      | Unbiased            | 24.112     | 24.11       | -0.002 |
| 349      | 100      | Unbiased            | 24.008     | 24.009      | 0.001  |
| 350      | 100      | Unbiased            | 24.079     | 24.065      | -0.014 |
| 351      | 100      | Unbiased            | 23.985     | 23.987      | 0.002  |
| 352      | 100      | Unbiased            | 24.009     | 24.022      | 0.013  |

Test Statistics (µA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 24.066           | 24.088           | 24.123           | 0.030643         | 24.065            | 24.087            | 24.123            | 0.031432          | -0.002    | -0.001    | 0         | 0.001     |
| 3        | 23.981           | 24.063           | 24.138           | 0.052064         | 23.985            | 24.061            | 24.138            | 0.051852          | -0.011    | -0.0021   | 0.004     | 0.0052164 |
| 10       | 24.067           | 24.113           | 24.169           | 0.038091         | 24.069            | 24.113            | 24.166            | 0.036385          | -0.008    | -0.0005   | 0.005     | 0.0040069 |
| 30       | 23.968           | 24.127           | 24.228           | 0.073625         | 23.962            | 24.123            | 24.223            | 0.07253           | -0.019    | -0.0042   | 0.005     | 0.0071305 |
| 50       | 24.02            | 24.1             | 24.175           | 0.050135         | 24.01             | 24.099            | 24.177            | 0.056124          | -0.017    | -0.0011   | 0.02      | 0.010785  |
| 100      | 23.985           | 24.069           | 24.151           | 0.056044         | 23.987            | 24.062            | 24.15             | 0.051476          | -0.022    | -0.007    | 0.013     | 0.011343  |

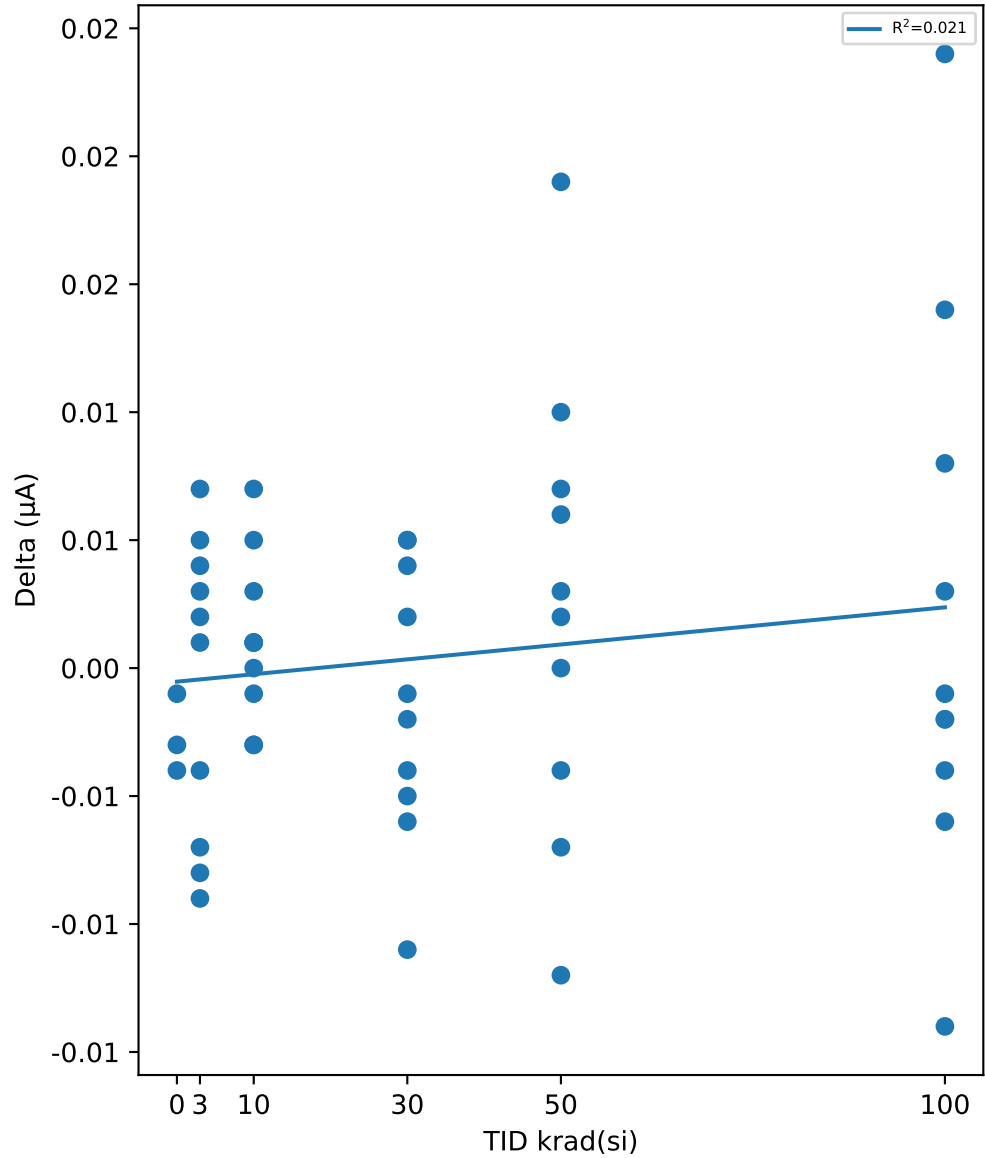
TID vs Result Stats



Test Results (Lower Limit = 23.28, Upper Limit = 24.72 (µA))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 24.062     | 24.058      | -0.004 |
| 301      | 0        | Correlation         | 24.112     | 24.111      | -0.001 |
| 302      | 0        | Correlation         | 24.042     | 24.039      | -0.003 |
| 303      | 3        | Bias                | 24.058     | 24.061      | 0.003  |
| 304      | 3        | Bias                | 23.989     | 23.98       | -0.009 |
| 305      | 3        | Bias                | 24.126     | 24.127      | 0.001  |
| 306      | 3        | Bias                | 24.082     | 24.075      | -0.007 |
| 307      | 3        | Bias                | 24.09      | 24.086      | -0.004 |
| 308      | 3        | Unbiased            | 24.139     | 24.144      | 0.005  |
| 309      | 3        | Unbiased            | 24.012     | 24.016      | 0.004  |
| 310      | 3        | Unbiased            | 24.075     | 24.077      | 0.002  |
| 311      | 3        | Unbiased            | 24.1       | 24.092      | -0.008 |
| 312      | 3        | Unbiased            | 24.07      | 24.077      | 0.007  |
| 313      | 10       | Bias                | 24.081     | 24.086      | 0.005  |
| 314      | 10       | Bias                | 24.228     | 24.225      | -0.003 |
| 315      | 10       | Bias                | 24.125     | 24.132      | 0.007  |
| 316      | 10       | Bias                | 24.174     | 24.171      | -0.003 |
| 317      | 10       | Bias                | 24.161     | 24.16       | -0.001 |
| 318      | 10       | Unbiased            | 24.129     | 24.13       | 0.001  |
| 319      | 10       | Unbiased            | 24.093     | 24.094      | 0.001  |
| 320      | 10       | Unbiased            | 24.11      | 24.111      | 0.001  |
| 321      | 10       | Unbiased            | 24.113     | 24.113      | 0      |
| 322      | 10       | Unbiased            | 24.066     | 24.069      | 0.003  |
| 323      | 30       | Bias                | 24.116     | 24.115      | -0.001 |
| 324      | 30       | Bias                | 24.135     | 24.14       | 0.005  |
| 325      | 30       | Bias                | 24.143     | 24.132      | -0.011 |
| 326      | 30       | Bias                | 24.167     | 24.172      | 0.005  |
| 327      | 30       | Bias                | 24.135     | 24.13       | -0.005 |
| 328      | 30       | Unbiased            | 24.118     | 24.112      | -0.006 |
| 329      | 30       | Unbiased            | 24.121     | 24.125      | 0.004  |
| 330      | 30       | Unbiased            | 24.085     | 24.081      | -0.004 |
| 331      | 30       | Unbiased            | 24.15      | 24.152      | 0.002  |
| 332      | 30       | Unbiased            | 24.045     | 24.043      | -0.002 |
| 333      | 50       | Bias                | 24.177     | 24.187      | 0.01   |
| 334      | 50       | Bias                | 24.081     | 24.084      | 0.003  |
| 335      | 50       | Bias                | 24.089     | 24.077      | -0.012 |
| 336      | 50       | Bias                | 24.037     | 24.03       | -0.007 |
| 337      | 50       | Bias                | 24.182     | 24.178      | -0.004 |
| 338      | 50       | Unbiased            | 24.12      | 24.122      | 0.002  |
| 339      | 50       | Unbiased            | 24.136     | 24.136      | 0      |
| 340      | 50       | Unbiased            | 24.027     | 24.034      | 0.007  |
| 341      | 50       | Unbiased            | 24.159     | 24.165      | 0.006  |
| 342      | 50       | Unbiased            | 24.115     | 24.134      | 0.019  |
| 343      | 100      | Bias                | 24.141     | 24.135      | -0.006 |
| 344      | 100      | Bias                | 24.117     | 24.115      | -0.002 |
| 345      | 100      | Bias                | 24.11      | 24.108      | -0.002 |
| 346      | 100      | Bias                | 24.133     | 24.129      | -0.004 |
| 347      | 100      | Bias                | 24.181     | 24.205      | 0.024  |
| 348      | 100      | Unbiased            | 24.133     | 24.132      | -0.001 |
| 349      | 100      | Unbiased            | 24.052     | 24.06       | 0.008  |
| 350      | 100      | Unbiased            | 24.173     | 24.159      | -0.014 |
| 351      | 100      | Unbiased            | 24.094     | 24.097      | 0.003  |
| 352      | 100      | Unbiased            | 24.059     | 24.073      | 0.014  |

TID vs Post - Pre Exposure Delta

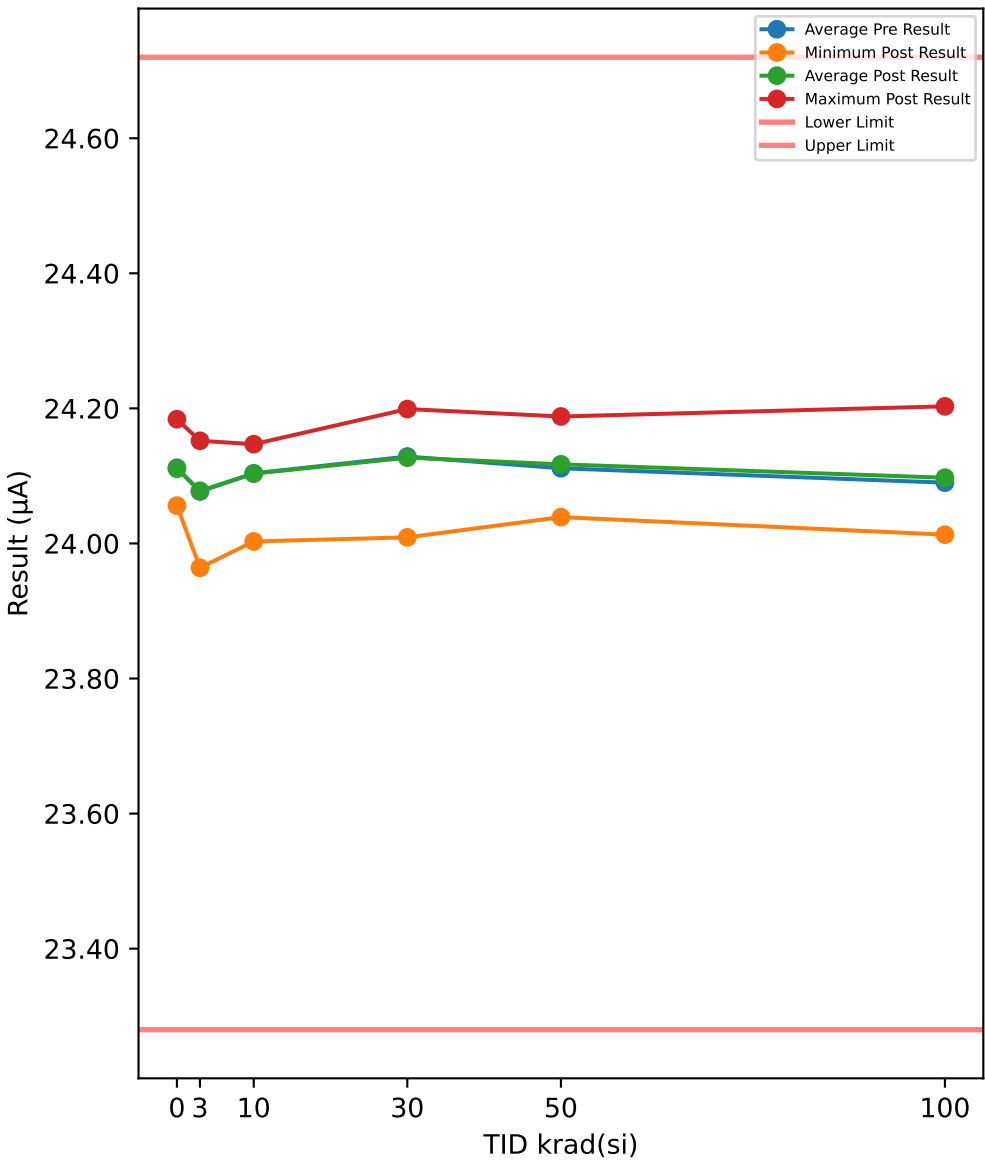


Test Statistics (µA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 24.042           | 24.072           | 24.112           | 0.036056         | 24.039            | 24.069            | 24.111            | 0.037314          | -0.004    | -0.0026667 | -0.001    | 0.0015275 |
| 3        | 23.989           | 24.074           | 24.139           | 0.046268         | 23.98             | 24.073            | 24.144            | 0.047799          | -0.009    | -0.0006    | 0.007     | 0.0058727 |
| 10       | 24.066           | 24.128           | 24.228           | 0.048353         | 24.069            | 24.129            | 24.225            | 0.046194          | -0.003    | 0.0011     | 0.007     | 0.0032128 |
| 30       | 24.045           | 24.122           | 24.167           | 0.034859         | 24.043            | 24.12             | 24.172            | 0.036417          | -0.011    | -0.0013    | 0.005     | 0.0053344 |
| 50       | 24.027           | 24.112           | 24.182           | 0.05408          | 24.03             | 24.115            | 24.187            | 0.056464          | -0.012    | 0.0024     | 0.019     | 0.0088844 |
| 100      | 24.052           | 24.119           | 24.181           | 0.042732         | 24.06             | 24.121            | 24.205            | 0.041748          | -0.014    | 0.002      | 0.024     | 0.010863  |



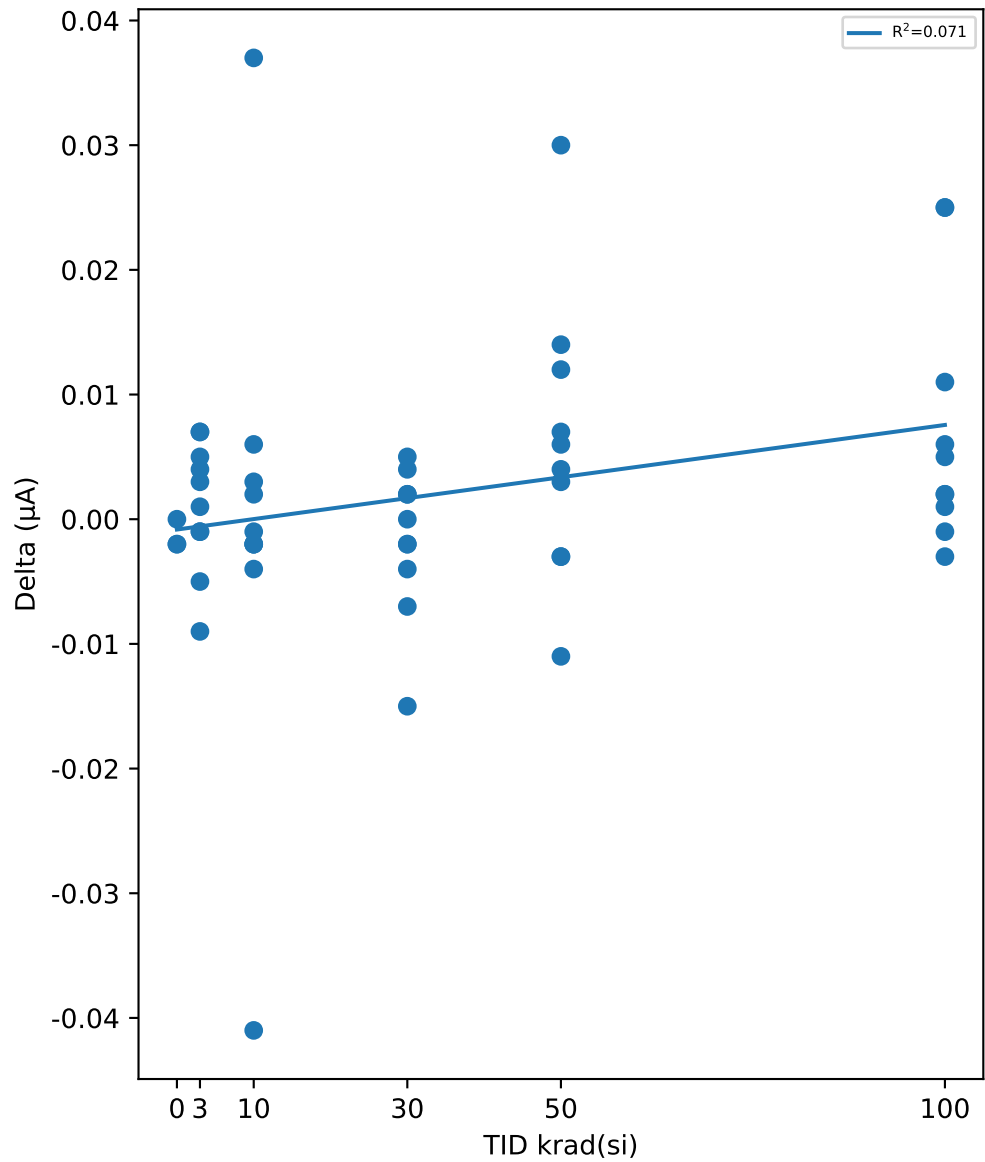
TID vs Result Stats



Test Results (Lower Limit = 23.28, Upper Limit = 24.72 (µA))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 24.058     | 24.056      | -0.002 |
| 301      | 0        | Correlation         | 24.184     | 24.184      | 0      |
| 302      | 0        | Correlation         | 24.094     | 24.092      | -0.002 |
| 303      | 3        | Bias                | 24.02      | 24.027      | 0.007  |
| 304      | 3        | Bias                | 23.969     | 23.964      | -0.005 |
| 305      | 3        | Bias                | 24.147     | 24.152      | 0.005  |
| 306      | 3        | Bias                | 24.071     | 24.07       | -0.001 |
| 307      | 3        | Bias                | 24.102     | 24.101      | -0.001 |
| 308      | 3        | Unbiased            | 24.137     | 24.144      | 0.007  |
| 309      | 3        | Unbiased            | 24.094     | 24.097      | 0.003  |
| 310      | 3        | Unbiased            | 24.045     | 24.046      | 0.001  |
| 311      | 3        | Unbiased            | 24.086     | 24.077      | -0.009 |
| 312      | 3        | Unbiased            | 24.098     | 24.102      | 0.004  |
| 313      | 10       | Bias                | 24.065     | 24.071      | 0.006  |
| 314      | 10       | Bias                | 24.149     | 24.147      | -0.002 |
| 315      | 10       | Bias                | 24.079     | 24.082      | 0.003  |
| 316      | 10       | Bias                | 24.145     | 24.141      | -0.004 |
| 317      | 10       | Bias                | 24.146     | 24.144      | -0.002 |
| 318      | 10       | Unbiased            | 24.128     | 24.126      | -0.002 |
| 319      | 10       | Unbiased            | 24.09      | 24.089      | -0.001 |
| 320      | 10       | Unbiased            | 24.136     | 24.095      | -0.041 |
| 321      | 10       | Unbiased            | 24.099     | 24.136      | 0.037  |
| 322      | 10       | Unbiased            | 24.001     | 24.003      | 0.002  |
| 323      | 30       | Bias                | 24.105     | 24.107      | 0.002  |
| 324      | 30       | Bias                | 24.12      | 24.122      | 0.002  |
| 325      | 30       | Bias                | 24.178     | 24.163      | -0.015 |
| 326      | 30       | Bias                | 24.077     | 24.081      | 0.004  |
| 327      | 30       | Bias                | 24.201     | 24.199      | -0.002 |
| 328      | 30       | Unbiased            | 24.193     | 24.186      | -0.007 |
| 329      | 30       | Unbiased            | 24.109     | 24.114      | 0.005  |
| 330      | 30       | Unbiased            | 24.14      | 24.136      | -0.004 |
| 331      | 30       | Unbiased            | 24.153     | 24.153      | 0      |
| 332      | 30       | Unbiased            | 24.011     | 24.009      | -0.002 |
| 333      | 50       | Bias                | 24.167     | 24.179      | 0.012  |
| 334      | 50       | Bias                | 24.032     | 24.039      | 0.007  |
| 335      | 50       | Bias                | 24.05      | 24.039      | -0.011 |
| 336      | 50       | Bias                | 24.102     | 24.099      | -0.003 |
| 337      | 50       | Bias                | 24.186     | 24.183      | -0.003 |
| 338      | 50       | Unbiased            | 24.112     | 24.115      | 0.003  |
| 339      | 50       | Unbiased            | 24.081     | 24.085      | 0.004  |
| 340      | 50       | Unbiased            | 24.056     | 24.07       | 0.014  |
| 341      | 50       | Unbiased            | 24.182     | 24.188      | 0.006  |
| 342      | 50       | Unbiased            | 24.145     | 24.175      | 0.03   |
| 343      | 100      | Bias                | 24.089     | 24.091      | 0.002  |
| 344      | 100      | Bias                | 24.061     | 24.06       | -0.001 |
| 345      | 100      | Bias                | 24.159     | 24.161      | 0.002  |
| 346      | 100      | Bias                | 24.112     | 24.117      | 0.005  |
| 347      | 100      | Bias                | 24.079     | 24.104      | 0.025  |
| 348      | 100      | Unbiased            | 24.197     | 24.203      | 0.006  |
| 349      | 100      | Unbiased            | 24.091     | 24.102      | 0.011  |
| 350      | 100      | Unbiased            | 24.104     | 24.101      | -0.003 |
| 351      | 100      | Unbiased            | 24.012     | 24.013      | 0.001  |
| 352      | 100      | Unbiased            | 23.996     | 24.021      | 0.025  |

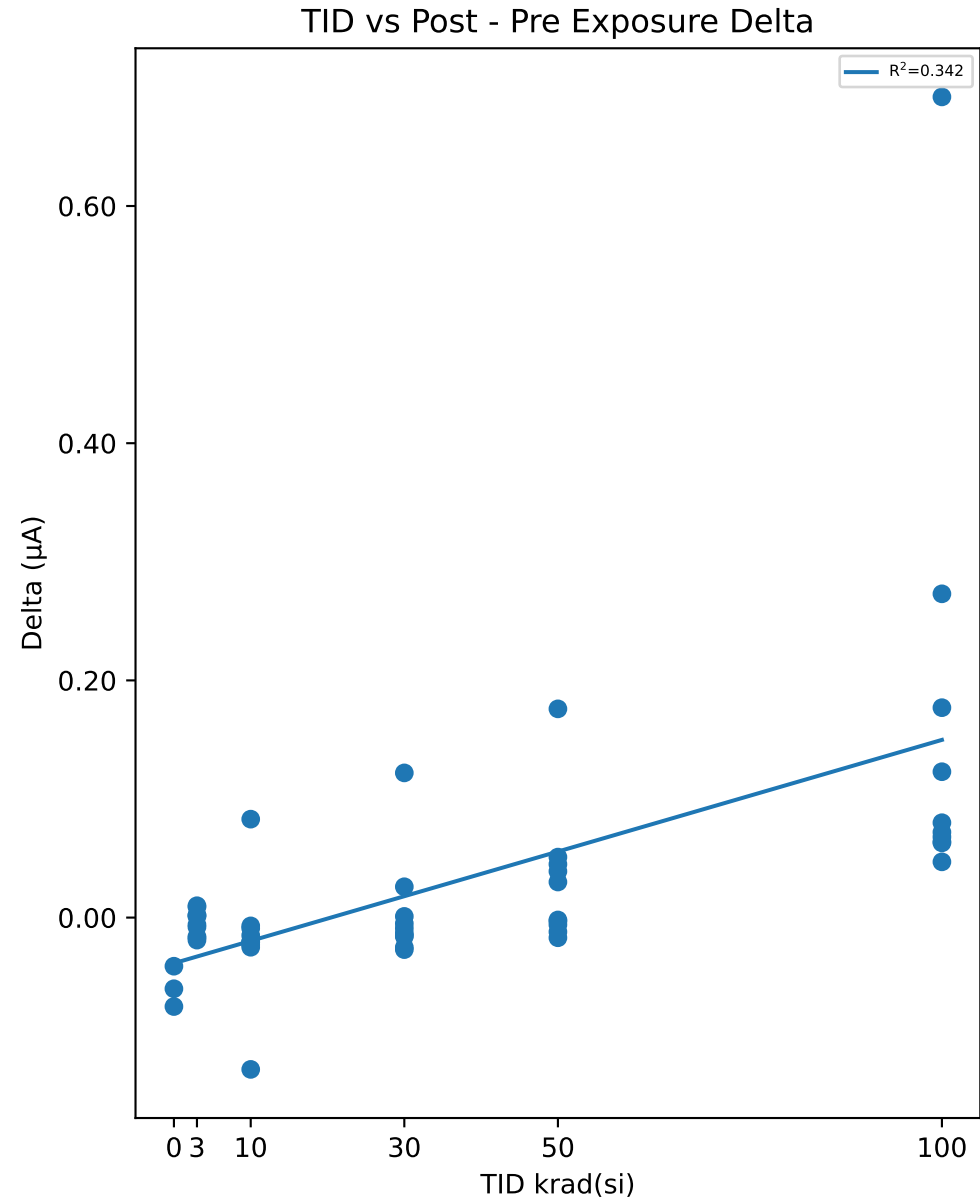
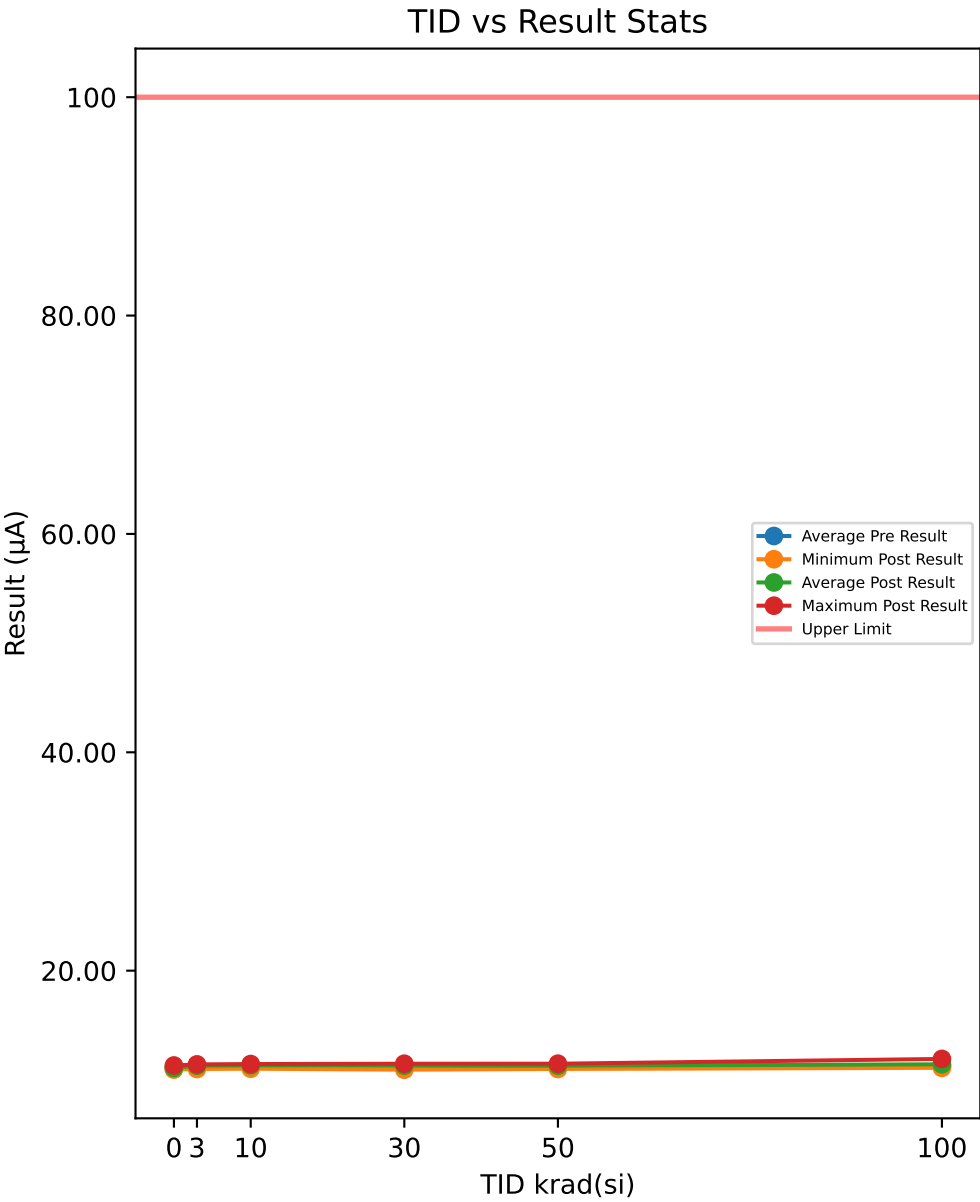
TID vs Post - Pre Exposure Delta



Test Statistics (µA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 24.058           | 24.112           | 24.184           | 0.0649           | 24.056            | 24.111            | 24.184            | 0.06601           | -0.002    | -0.0013333 | 0         | 0.0011547 |
| 3        | 23.969           | 24.077           | 24.147           | 0.053654         | 23.964            | 24.078            | 24.152            | 0.055761          | -0.009    | 0.0011     | 0.007     | 0.0052164 |
| 10       | 24.001           | 24.104           | 24.149           | 0.047194         | 24.003            | 24.103            | 24.147            | 0.045218          | -0.041    | -0.0004    | 0.037     | 0.018638  |
| 30       | 24.011           | 24.129           | 24.201           | 0.057795         | 24.009            | 24.127            | 24.199            | 0.055128          | -0.015    | -0.0017    | 0.005     | 0.0059451 |
| 50       | 24.032           | 24.111           | 24.186           | 0.056692         | 24.039            | 24.117            | 24.188            | 0.059938          | -0.011    | 0.0059     | 0.03      | 0.011259  |
| 100      | 23.996           | 24.09            | 24.197           | 0.060345         | 24.013            | 24.097            | 24.203            | 0.057791          | -0.003    | 0.0073     | 0.025     | 0.0101    |

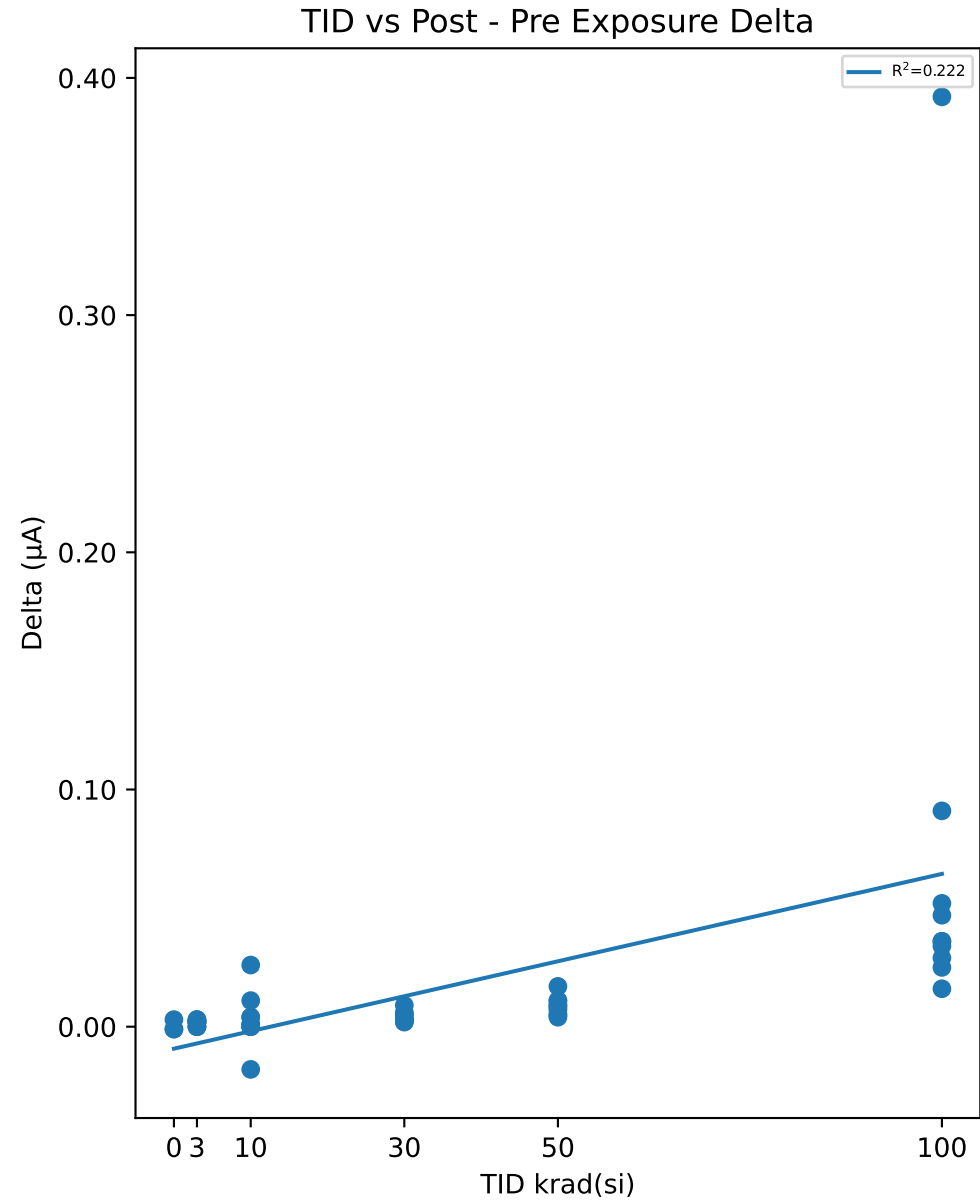
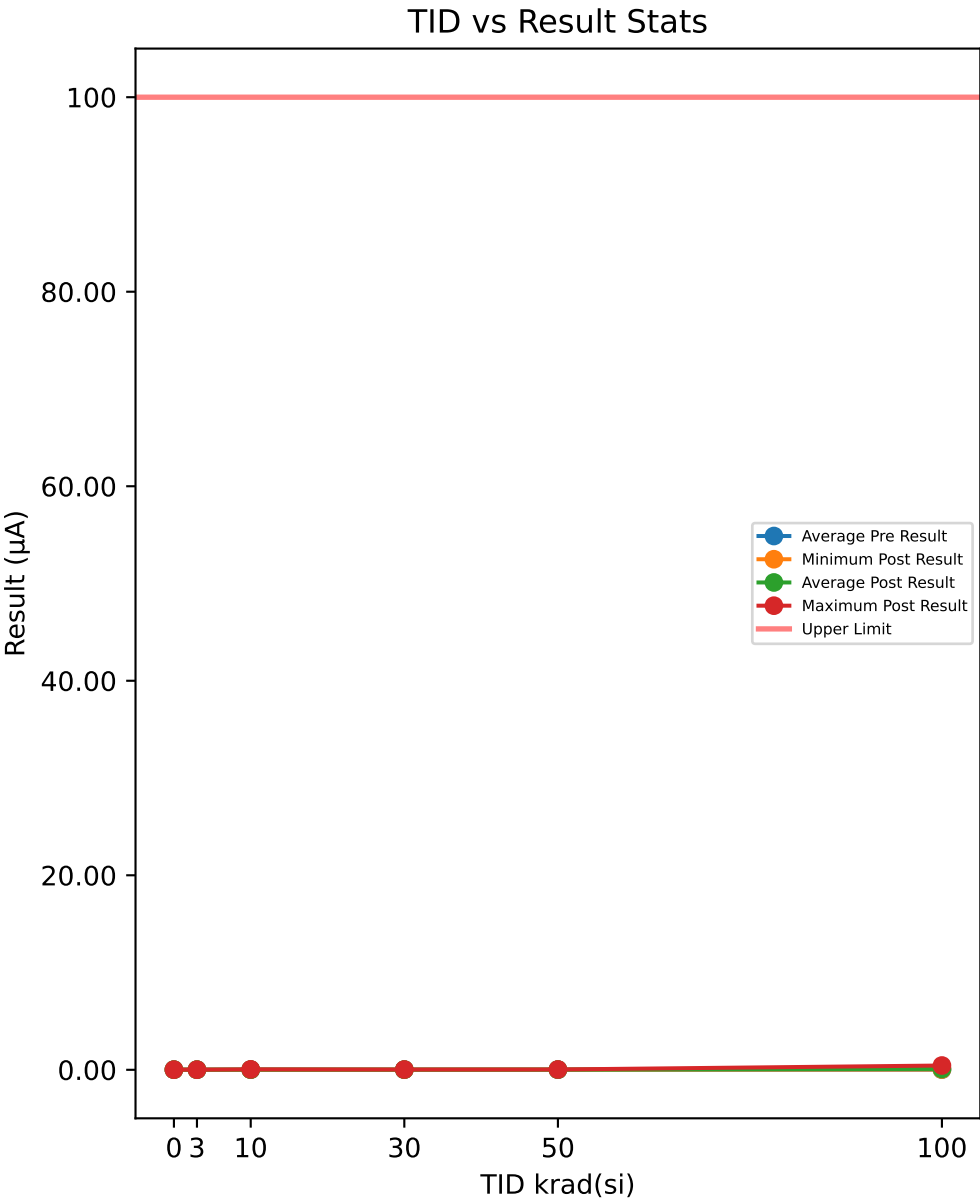
Device Test: 6.33 ; PULL\_UP\_LKG



| Test Results (Upper Limit = 100.0 (µA)) |          |                     |            |             |        |
|-----------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                     | 0        | Correlation         | 11.083     | 11.008      | -0.075 |
| 301                                     | 0        | Correlation         | 11.001     | 10.941      | -0.06  |
| 302                                     | 0        | Correlation         | 11.357     | 11.316      | -0.041 |
| 303                                     | 3        | Bias                | 11.367     | 11.361      | -0.006 |
| 304                                     | 3        | Bias                | 11.27      | 11.254      | -0.016 |
| 305                                     | 3        | Bias                | 11.364     | 11.356      | -0.008 |
| 306                                     | 3        | Bias                | 11.406     | 11.416      | 0.01   |
| 307                                     | 3        | Bias                | 11.337     | 11.32       | -0.017 |
| 308                                     | 3        | Unbiased            | 11.369     | 11.371      | 0.002  |
| 309                                     | 3        | Unbiased            | 11.333     | 11.334      | 0.001  |
| 310                                     | 3        | Unbiased            | 11.365     | 11.374      | 0.009  |
| 311                                     | 3        | Unbiased            | 10.992     | 10.994      | 0.002  |
| 312                                     | 3        | Unbiased            | 11.256     | 11.237      | -0.019 |
| 313                                     | 10       | Bias                | 11.381     | 11.372      | -0.009 |
| 314                                     | 10       | Bias                | 11.289     | 11.268      | -0.021 |
| 315                                     | 10       | Bias                | 11.456     | 11.449      | -0.007 |
| 316                                     | 10       | Bias                | 11.042     | 11.021      | -0.021 |
| 317                                     | 10       | Bias                | 11.438     | 11.423      | -0.015 |
| 318                                     | 10       | Unbiased            | 11.38      | 11.357      | -0.023 |
| 319                                     | 10       | Unbiased            | 11.423     | 11.398      | -0.025 |
| 320                                     | 10       | Unbiased            | 11.331     | 11.414      | 0.083  |
| 321                                     | 10       | Unbiased            | 11.433     | 11.305      | -0.128 |
| 322                                     | 10       | Unbiased            | 11.316     | 11.296      | -0.02  |
| 323                                     | 30       | Bias                | 11.423     | 11.41       | -0.013 |
| 324                                     | 30       | Bias                | 10.946     | 10.931      | -0.015 |
| 325                                     | 30       | Bias                | 11.327     | 11.353      | 0.026  |
| 326                                     | 30       | Bias                | 11.098     | 11.082      | -0.016 |
| 327                                     | 30       | Bias                | 11.504     | 11.477      | -0.027 |
| 328                                     | 30       | Unbiased            | 11.235     | 11.23       | -0.005 |
| 329                                     | 30       | Unbiased            | 11.414     | 11.405      | -0.009 |
| 330                                     | 30       | Unbiased            | 11.176     | 11.298      | 0.122  |
| 331                                     | 30       | Unbiased            | 11.479     | 11.454      | -0.025 |
| 332                                     | 30       | Unbiased            | 11.437     | 11.438      | 0.001  |
| 333                                     | 50       | Bias                | 11.063     | 11.061      | -0.002 |
| 334                                     | 50       | Bias                | 11.4       | 11.451      | 0.051  |
| 335                                     | 50       | Bias                | 11.399     | 11.396      | -0.003 |
| 336                                     | 50       | Bias                | 11.497     | 11.48       | -0.017 |
| 337                                     | 50       | Bias                | 11.377     | 11.365      | -0.012 |
| 338                                     | 50       | Unbiased            | 11.006     | 11          | -0.006 |
| 339                                     | 50       | Unbiased            | 11.172     | 11.348      | 0.176  |
| 340                                     | 50       | Unbiased            | 11.231     | 11.276      | 0.045  |
| 341                                     | 50       | Unbiased            | 11.294     | 11.333      | 0.039  |
| 342                                     | 50       | Unbiased            | 11.256     | 11.286      | 0.03   |
| 343                                     | 100      | Bias                | 11.374     | 11.551      | 0.177  |
| 344                                     | 100      | Bias                | 11.342     | 11.465      | 0.123  |
| 345                                     | 100      | Bias                | 11.037     | 11.101      | 0.064  |
| 346                                     | 100      | Bias                | 11.317     | 11.397      | 0.08   |
| 347                                     | 100      | Bias                | 11.158     | 11.431      | 0.273  |
| 348                                     | 100      | Unbiased            | 11.305     | 11.377      | 0.072  |
| 349                                     | 100      | Unbiased            | 11.294     | 11.341      | 0.047  |
| 350                                     | 100      | Unbiased            | 11.23      | 11.293      | 0.063  |
| 351                                     | 100      | Unbiased            | 11.327     | 11.395      | 0.068  |
| 352                                     | 100      | Unbiased            | 11.225     | 11.917      | 0.692  |

| Test Statistics (µA) |                  |                  |                  |                  |                   |                   |                   |                   |           |           |           |           |
|----------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| krad(si)             | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
| 0                    | 11.001           | 11.147           | 11.357           | 0.18643          | 10.941            | 11.088            | 11.316            | 0.19999           | -0.075    | -0.058667 | -0.041    | 0.017039  |
| 3                    | 10.992           | 11.306           | 11.406           | 0.11954          | 10.994            | 11.302            | 11.416            | 0.12114           | -0.019    | -0.0042   | 0.01      | 0.010644  |
| 10                   | 11.042           | 11.349           | 11.456           | 0.12163          | 11.021            | 11.33             | 11.449            | 0.12387           | -0.128    | -0.0186   | 0.083     | 0.050116  |
| 30                   | 10.946           | 11.304           | 11.504           | 0.18465          | 10.931            | 11.308            | 11.477            | 0.17889           | -0.027    | 0.0039    | 0.122     | 0.04412   |
| 50                   | 11.006           | 11.27            | 11.497           | 0.15669          | 11                | 11.3              | 11.48             | 0.15632           | -0.017    | 0.0301    | 0.176     | 0.057198  |
| 100                  | 11.037           | 11.261           | 11.374           | 0.10159          | 11.101            | 11.427            | 11.917            | 0.20896           | 0.047     | 0.1659    | 0.692     | 0.19751   |

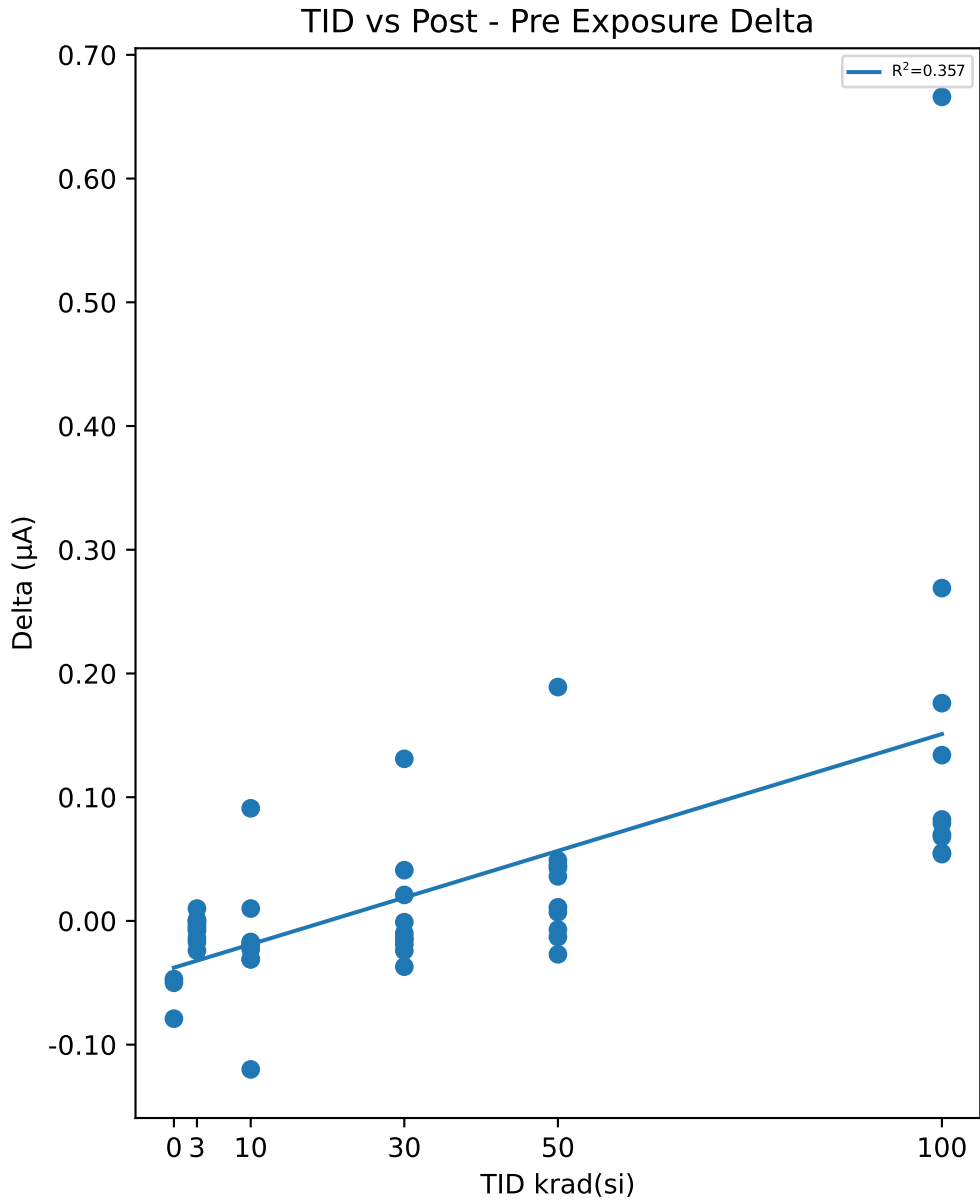
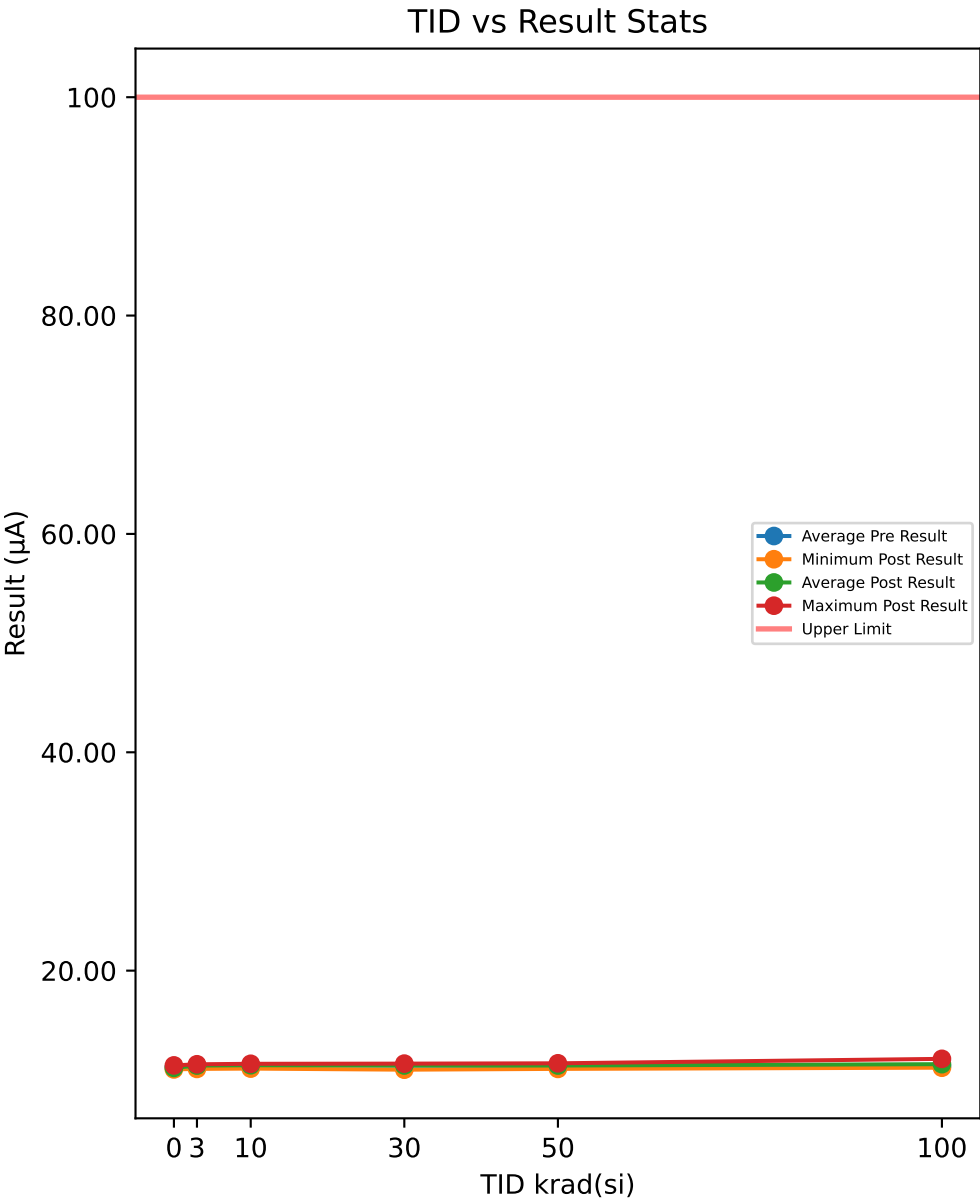
Device Test: 6.34 ; PULL\_UP\_LKG



| Test Results (Upper Limit = 100.0 (µA)) |          |                     |            |             |        |
|-----------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                     | 0        | Correlation         | 0.013      | 0.012       | -0.001 |
| 301                                     | 0        | Correlation         | 0.013      | 0.012       | -0.001 |
| 302                                     | 0        | Correlation         | 0.012      | 0.015       | 0.003  |
| 303                                     | 3        | Bias                | 0.011      | 0.013       | 0.002  |
| 304                                     | 3        | Bias                | 0.011      | 0.014       | 0.003  |
| 305                                     | 3        | Bias                | 0.012      | 0.014       | 0.002  |
| 306                                     | 3        | Bias                | 0.012      | 0.012       | 0      |
| 307                                     | 3        | Bias                | 0.01       | 0.012       | 0.002  |
| 308                                     | 3        | Unbiased            | 0.01       | 0.013       | 0.003  |
| 309                                     | 3        | Unbiased            | 0.012      | 0.014       | 0.002  |
| 310                                     | 3        | Unbiased            | 0.01       | 0.012       | 0.002  |
| 311                                     | 3        | Unbiased            | 0.014      | 0.014       | 0      |
| 312                                     | 3        | Unbiased            | 0.013      | 0.013       | 0      |
| 313                                     | 10       | Bias                | 0.013      | 0.013       | 0      |
| 314                                     | 10       | Bias                | 0.012      | 0.012       | 0      |
| 315                                     | 10       | Bias                | 0.034      | 0.045       | 0.011  |
| 316                                     | 10       | Bias                | 0.014      | 0.015       | 0.001  |
| 317                                     | 10       | Bias                | 0.011      | 0.015       | 0.004  |
| 318                                     | 10       | Unbiased            | 0.014      | 0.018       | 0.004  |
| 319                                     | 10       | Unbiased            | 0.014      | 0.014       | 0      |
| 320                                     | 10       | Unbiased            | 0.014      | 0.04        | 0.026  |
| 321                                     | 10       | Unbiased            | 0.031      | 0.013       | -0.018 |
| 322                                     | 10       | Unbiased            | 0.012      | 0.013       | 0.001  |
| 323                                     | 30       | Bias                | 0.012      | 0.014       | 0.002  |
| 324                                     | 30       | Bias                | 0.013      | 0.016       | 0.003  |
| 325                                     | 30       | Bias                | 0.014      | 0.019       | 0.005  |
| 326                                     | 30       | Bias                | 0.013      | 0.016       | 0.003  |
| 327                                     | 30       | Bias                | 0.012      | 0.015       | 0.003  |
| 328                                     | 30       | Unbiased            | 0.012      | 0.017       | 0.005  |
| 329                                     | 30       | Unbiased            | 0.012      | 0.015       | 0.003  |
| 330                                     | 30       | Unbiased            | 0.018      | 0.027       | 0.009  |
| 331                                     | 30       | Unbiased            | 0.012      | 0.014       | 0.002  |
| 332                                     | 30       | Unbiased            | 0.013      | 0.019       | 0.006  |
| 333                                     | 50       | Bias                | 0.013      | 0.022       | 0.009  |
| 334                                     | 50       | Bias                | 0.013      | 0.024       | 0.011  |
| 335                                     | 50       | Bias                | 0.012      | 0.017       | 0.005  |
| 336                                     | 50       | Bias                | 0.013      | 0.017       | 0.004  |
| 337                                     | 50       | Bias                | 0.016      | 0.033       | 0.017  |
| 338                                     | 50       | Unbiased            | 0.013      | 0.018       | 0.005  |
| 339                                     | 50       | Unbiased            | 0.013      | 0.024       | 0.011  |
| 340                                     | 50       | Unbiased            | 0.01       | 0.018       | 0.008  |
| 341                                     | 50       | Unbiased            | 0.01       | 0.017       | 0.007  |
| 342                                     | 50       | Unbiased            | 0.011      | 0.02        | 0.009  |
| 343                                     | 100      | Bias                | 0.017      | 0.108       | 0.091  |
| 344                                     | 100      | Bias                | 0.011      | 0.058       | 0.047  |
| 345                                     | 100      | Bias                | 0.012      | 0.041       | 0.029  |
| 346                                     | 100      | Bias                | 0.011      | 0.047       | 0.036  |
| 347                                     | 100      | Bias                | 0.049      | 0.441       | 0.392  |
| 348                                     | 100      | Unbiased            | 0.011      | 0.036       | 0.025  |
| 349                                     | 100      | Unbiased            | 0.011      | 0.027       | 0.016  |
| 350                                     | 100      | Unbiased            | 0.011      | 0.047       | 0.036  |
| 351                                     | 100      | Unbiased            | 0.01       | 0.044       | 0.034  |
| 352                                     | 100      | Unbiased            | 0.012      | 0.064       | 0.052  |

| Test Statistics (µA) |                  |                  |                  |                  |                   |                   |                   |                   |           |            |           |           |
|----------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| krad(si)             | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
| 0                    | 0.012            | 0.012667         | 0.013            | 0.00057735       | 0.012             | 0.013             | 0.015             | 0.0017321         | -0.001    | 0.00033333 | 0.003     | 0.0023094 |
| 3                    | 0.01             | 0.0115           | 0.014            | 0.001354         | 0.012             | 0.0131            | 0.014             | 0.0008756         | 0         | 0.0016     | 0.003     | 0.0011738 |
| 10                   | 0.011            | 0.0169           | 0.034            | 0.0083193        | 0.012             | 0.0198            | 0.045             | 0.012136          | -0.018    | 0.0029     | 0.026     | 0.010908  |
| 30                   | 0.012            | 0.0131           | 0.018            | 0.0018529        | 0.014             | 0.0172            | 0.027             | 0.0038816         | 0.002     | 0.0041     | 0.009     | 0.0021833 |
| 50                   | 0.01             | 0.0124           | 0.016            | 0.0017764        | 0.017             | 0.021             | 0.033             | 0.0050553         | 0.004     | 0.0086     | 0.017     | 0.0038355 |
| 100                  | 0.01             | 0.0155           | 0.049            | 0.011928         | 0.027             | 0.0913            | 0.441             | 0.12486           | 0.016     | 0.0758     | 0.392     | 0.11298   |

Device Test: 6.35 ; PULL\_UP\_LKG

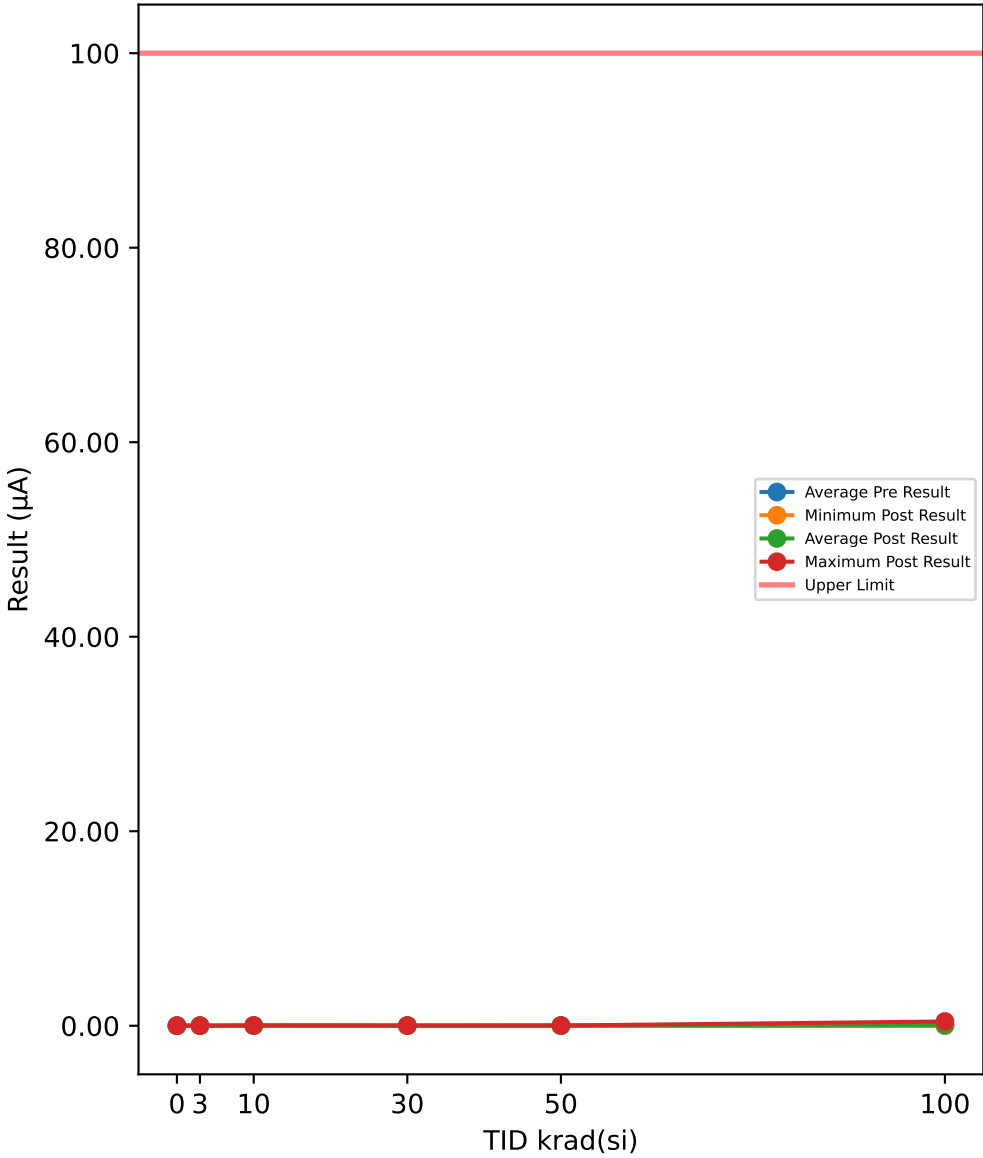


| Test Results (Upper Limit = 100.0 (µA)) |          |                     |            |             |        |
|-----------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                     | 0        | Correlation         | 11.088     | 11.009      | -0.079 |
| 301                                     | 0        | Correlation         | 11.004     | 10.954      | -0.05  |
| 302                                     | 0        | Correlation         | 11.368     | 11.321      | -0.047 |
| 303                                     | 3        | Bias                | 11.379     | 11.362      | -0.017 |
| 304                                     | 3        | Bias                | 11.267     | 11.261      | -0.006 |
| 305                                     | 3        | Bias                | 11.375     | 11.361      | -0.014 |
| 306                                     | 3        | Bias                | 11.423     | 11.423      | 0      |
| 307                                     | 3        | Bias                | 11.336     | 11.328      | -0.008 |
| 308                                     | 3        | Unbiased            | 11.371     | 11.37       | -0.001 |
| 309                                     | 3        | Unbiased            | 11.344     | 11.345      | 0.001  |
| 310                                     | 3        | Unbiased            | 11.371     | 11.381      | 0.01   |
| 311                                     | 3        | Unbiased            | 11.004     | 11          | -0.004 |
| 312                                     | 3        | Unbiased            | 11.265     | 11.241      | -0.024 |
| 313                                     | 10       | Bias                | 11.393     | 11.374      | -0.019 |
| 314                                     | 10       | Bias                | 11.292     | 11.269      | -0.023 |
| 315                                     | 10       | Bias                | 11.458     | 11.468      | 0.01   |
| 316                                     | 10       | Bias                | 11.045     | 11.028      | -0.017 |
| 317                                     | 10       | Bias                | 11.446     | 11.428      | -0.018 |
| 318                                     | 10       | Unbiased            | 11.395     | 11.364      | -0.031 |
| 319                                     | 10       | Unbiased            | 11.428     | 11.397      | -0.031 |
| 320                                     | 10       | Unbiased            | 11.331     | 11.422      | 0.091  |
| 321                                     | 10       | Unbiased            | 11.437     | 11.317      | -0.12  |
| 322                                     | 10       | Unbiased            | 11.322     | 11.302      | -0.02  |
| 323                                     | 30       | Bias                | 11.429     | 11.428      | -0.001 |
| 324                                     | 30       | Bias                | 10.942     | 10.928      | -0.014 |
| 325                                     | 30       | Bias                | 11.322     | 11.363      | 0.041  |
| 326                                     | 30       | Bias                | 11.111     | 11.074      | -0.037 |
| 327                                     | 30       | Bias                | 11.503     | 11.484      | -0.019 |
| 328                                     | 30       | Unbiased            | 11.247     | 11.237      | -0.01  |
| 329                                     | 30       | Unbiased            | 11.421     | 11.397      | -0.024 |
| 330                                     | 30       | Unbiased            | 11.182     | 11.313      | 0.131  |
| 331                                     | 30       | Unbiased            | 11.479     | 11.464      | -0.015 |
| 332                                     | 30       | Unbiased            | 11.432     | 11.453      | 0.021  |
| 333                                     | 50       | Bias                | 11.065     | 11.058      | -0.007 |
| 334                                     | 50       | Bias                | 11.419     | 11.464      | 0.045  |
| 335                                     | 50       | Bias                | 11.409     | 11.396      | -0.013 |
| 336                                     | 50       | Bias                | 11.506     | 11.513      | 0.007  |
| 337                                     | 50       | Bias                | 11.366     | 11.377      | 0.011  |
| 338                                     | 50       | Unbiased            | 11.028     | 11.001      | -0.027 |
| 339                                     | 50       | Unbiased            | 11.173     | 11.362      | 0.189  |
| 340                                     | 50       | Unbiased            | 11.241     | 11.29       | 0.049  |
| 341                                     | 50       | Unbiased            | 11.301     | 11.344      | 0.043  |
| 342                                     | 50       | Unbiased            | 11.256     | 11.292      | 0.036  |
| 343                                     | 100      | Bias                | 11.39      | 11.566      | 0.176  |
| 344                                     | 100      | Bias                | 11.343     | 11.477      | 0.134  |
| 345                                     | 100      | Bias                | 11.031     | 11.11       | 0.079  |
| 346                                     | 100      | Bias                | 11.318     | 11.4        | 0.082  |
| 347                                     | 100      | Bias                | 11.162     | 11.431      | 0.269  |
| 348                                     | 100      | Unbiased            | 11.316     | 11.37       | 0.054  |
| 349                                     | 100      | Unbiased            | 11.302     | 11.357      | 0.055  |
| 350                                     | 100      | Unbiased            | 11.24      | 11.308      | 0.068  |
| 351                                     | 100      | Unbiased            | 11.336     | 11.406      | 0.07   |
| 352                                     | 100      | Unbiased            | 11.255     | 11.921      | 0.666  |

| Test Statistics (μA) |                  |                  |                  |                  |                   |                   |                   |                   |           |           |           |           |
|----------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| krad(si)             | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
| 0                    | 11.004           | 11.153           | 11.368           | 0.19059          | 10.954            | 11.095            | 11.321            | 0.19793           | -0.079    | -0.058667 | -0.047    | 0.017673  |
| 3                    | 11.004           | 11.314           | 11.423           | 0.11945          | 11                | 11.307            | 11.423            | 0.12085           | -0.024    | -0.0063   | 0.01      | 0.0099001 |
| 10                   | 11.045           | 11.355           | 11.458           | 0.1228           | 11.028            | 11.337            | 11.468            | 0.12476           | -0.12     | -0.0178   | 0.091     | 0.051031  |
| 30                   | 10.942           | 11.307           | 11.503           | 0.18336          | 10.928            | 11.314            | 11.484            | 0.18425           | -0.037    | 0.0073    | 0.131     | 0.048965  |
| 50                   | 11.028           | 11.276           | 11.506           | 0.15564          | 11.001            | 11.31             | 11.513            | 0.16343           | -0.027    | 0.0333    | 0.189     | 0.060846  |
| 100                  | 11.031           | 11.269           | 11.39            | 0.10511          | 11.11             | 11.435            | 11.921            | 0.20797           | 0.054     | 0.1653    | 0.666     | 0.18857   |

Device Test: 6.36 ; PULL\_UP\_LKG

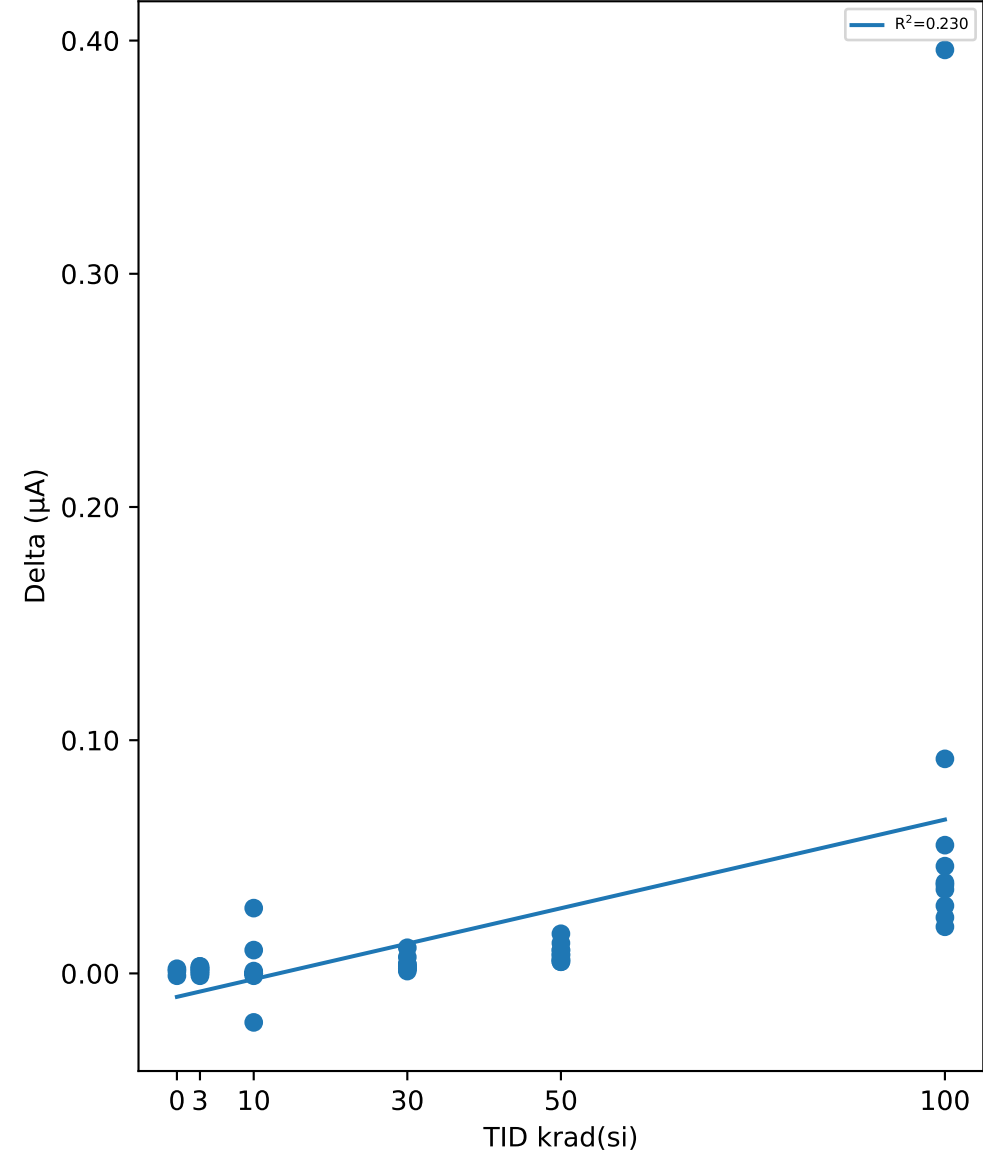
TID vs Result Stats



Test Results (Upper Limit = 100.0 (µA))

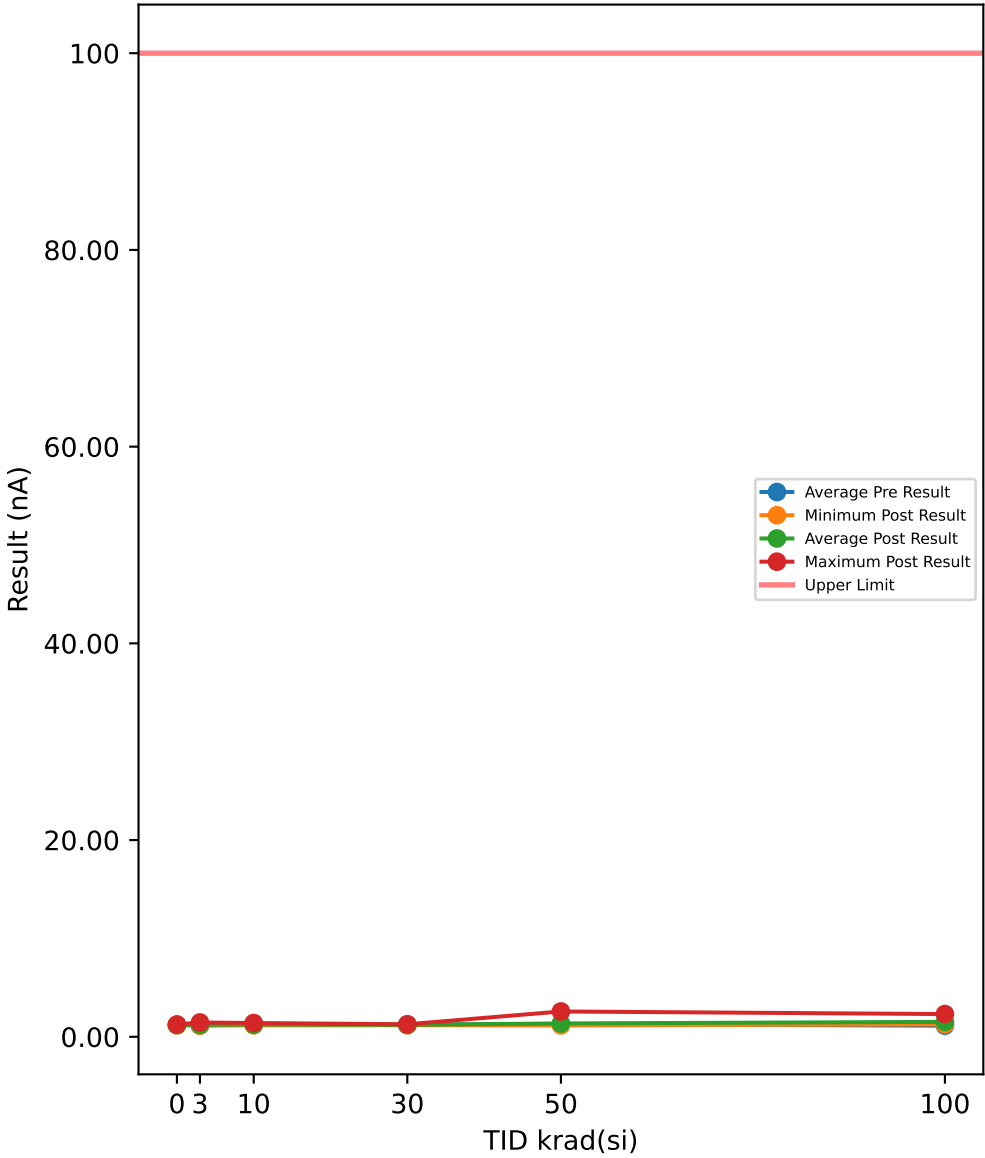
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.005      | 0.007       | 0.002  |
| 301      | 0        | Correlation         | 0.007      | 0.006       | -0.001 |
| 302      | 0        | Correlation         | 0.008      | 0.009       | 0.001  |
| 303      | 3        | Bias                | 0.005      | 0.006       | 0.001  |
| 304      | 3        | Bias                | 0.005      | 0.008       | 0.003  |
| 305      | 3        | Bias                | 0.007      | 0.008       | 0.001  |
| 306      | 3        | Bias                | 0.004      | 0.006       | 0.002  |
| 307      | 3        | Bias                | 0.004      | 0.007       | 0.003  |
| 308      | 3        | Unbiased            | 0.004      | 0.006       | 0.002  |
| 309      | 3        | Unbiased            | 0.006      | 0.006       | 0      |
| 310      | 3        | Unbiased            | 0.005      | 0.007       | 0.002  |
| 311      | 3        | Unbiased            | 0.007      | 0.006       | -0.001 |
| 312      | 3        | Unbiased            | 0.006      | 0.006       | 0      |
| 313      | 10       | Bias                | 0.007      | 0.007       | 0      |
| 314      | 10       | Bias                | 0.007      | 0.007       | 0      |
| 315      | 10       | Bias                | 0.028      | 0.038       | 0.01   |
| 316      | 10       | Bias                | 0.007      | 0.007       | 0      |
| 317      | 10       | Bias                | 0.009      | 0.009       | 0      |
| 318      | 10       | Unbiased            | 0.009      | 0.008       | -0.001 |
| 319      | 10       | Unbiased            | 0.007      | 0.007       | 0      |
| 320      | 10       | Unbiased            | 0.006      | 0.034       | 0.028  |
| 321      | 10       | Unbiased            | 0.027      | 0.006       | -0.021 |
| 322      | 10       | Unbiased            | 0.005      | 0.006       | 0.001  |
| 323      | 30       | Bias                | 0.008      | 0.009       | 0.001  |
| 324      | 30       | Bias                | 0.006      | 0.01        | 0.004  |
| 325      | 30       | Bias                | 0.005      | 0.012       | 0.007  |
| 326      | 30       | Bias                | 0.008      | 0.011       | 0.003  |
| 327      | 30       | Bias                | 0.006      | 0.008       | 0.002  |
| 328      | 30       | Unbiased            | 0.007      | 0.011       | 0.004  |
| 329      | 30       | Unbiased            | 0.005      | 0.008       | 0.003  |
| 330      | 30       | Unbiased            | 0.011      | 0.022       | 0.011  |
| 331      | 30       | Unbiased            | 0.007      | 0.009       | 0.002  |
| 332      | 30       | Unbiased            | 0.011      | 0.013       | 0.002  |
| 333      | 50       | Bias                | 0.009      | 0.015       | 0.006  |
| 334      | 50       | Bias                | 0.01       | 0.02        | 0.01   |
| 335      | 50       | Bias                | 0.006      | 0.014       | 0.008  |
| 336      | 50       | Bias                | 0.007      | 0.012       | 0.005  |
| 337      | 50       | Bias                | 0.009      | 0.026       | 0.017  |
| 338      | 50       | Unbiased            | 0.006      | 0.011       | 0.005  |
| 339      | 50       | Unbiased            | 0.006      | 0.019       | 0.013  |
| 340      | 50       | Unbiased            | 0.004      | 0.014       | 0.01   |
| 341      | 50       | Unbiased            | 0.004      | 0.012       | 0.008  |
| 342      | 50       | Unbiased            | 0.005      | 0.011       | 0.006  |
| 343      | 100      | Bias                | 0.011      | 0.103       | 0.092  |
| 344      | 100      | Bias                | 0.006      | 0.052       | 0.046  |
| 345      | 100      | Bias                | 0.005      | 0.034       | 0.029  |
| 346      | 100      | Bias                | 0.004      | 0.043       | 0.039  |
| 347      | 100      | Bias                | 0.044      | 0.44        | 0.396  |
| 348      | 100      | Unbiased            | 0.005      | 0.029       | 0.024  |
| 349      | 100      | Unbiased            | 0.004      | 0.024       | 0.02   |
| 350      | 100      | Unbiased            | 0.005      | 0.043       | 0.038  |
| 351      | 100      | Unbiased            | 0.003      | 0.039       | 0.036  |
| 352      | 100      | Unbiased            | 0.005      | 0.06        | 0.055  |

TID vs Post - Pre Exposure Delta

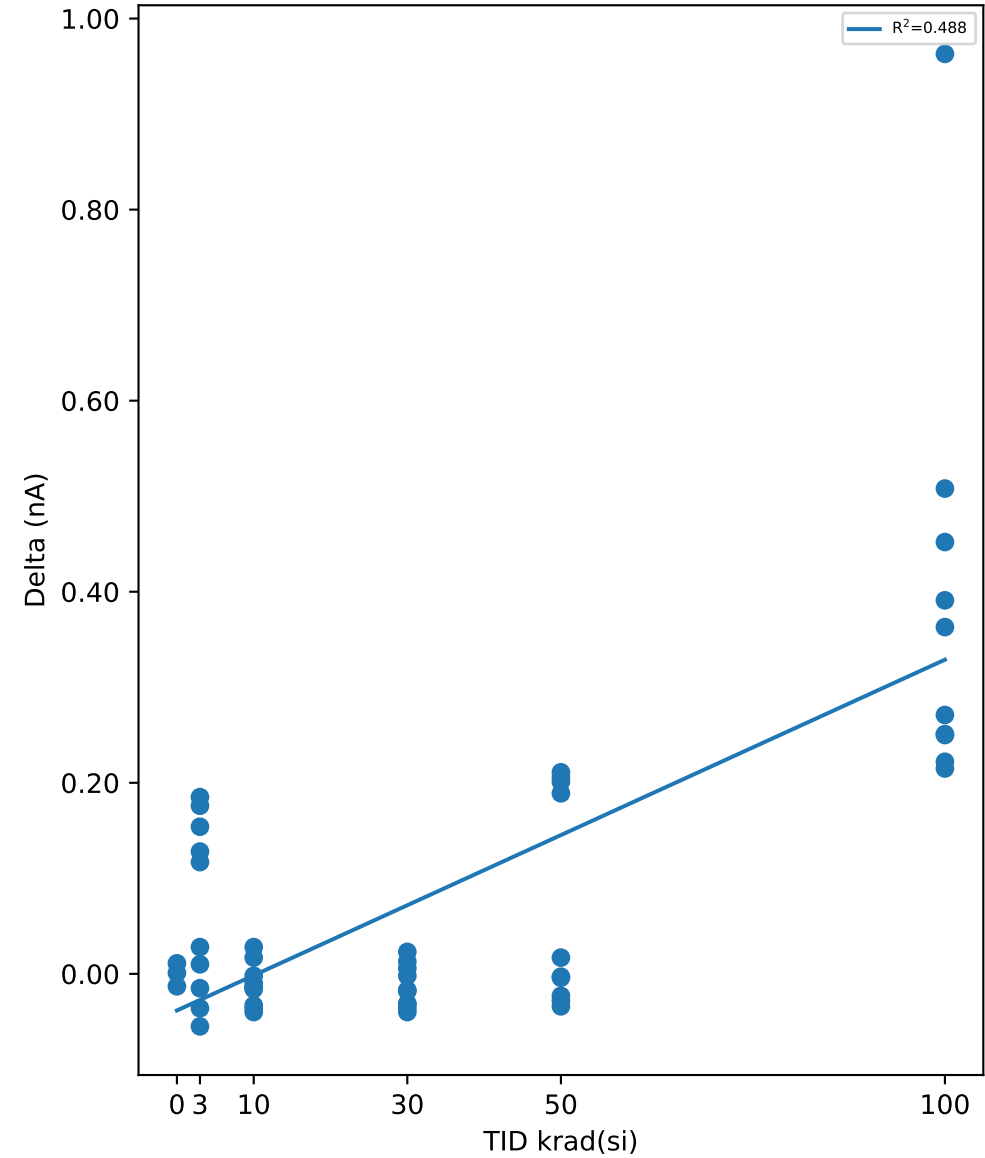




TID vs Result Stats



TID vs Post - Pre Exposure Delta



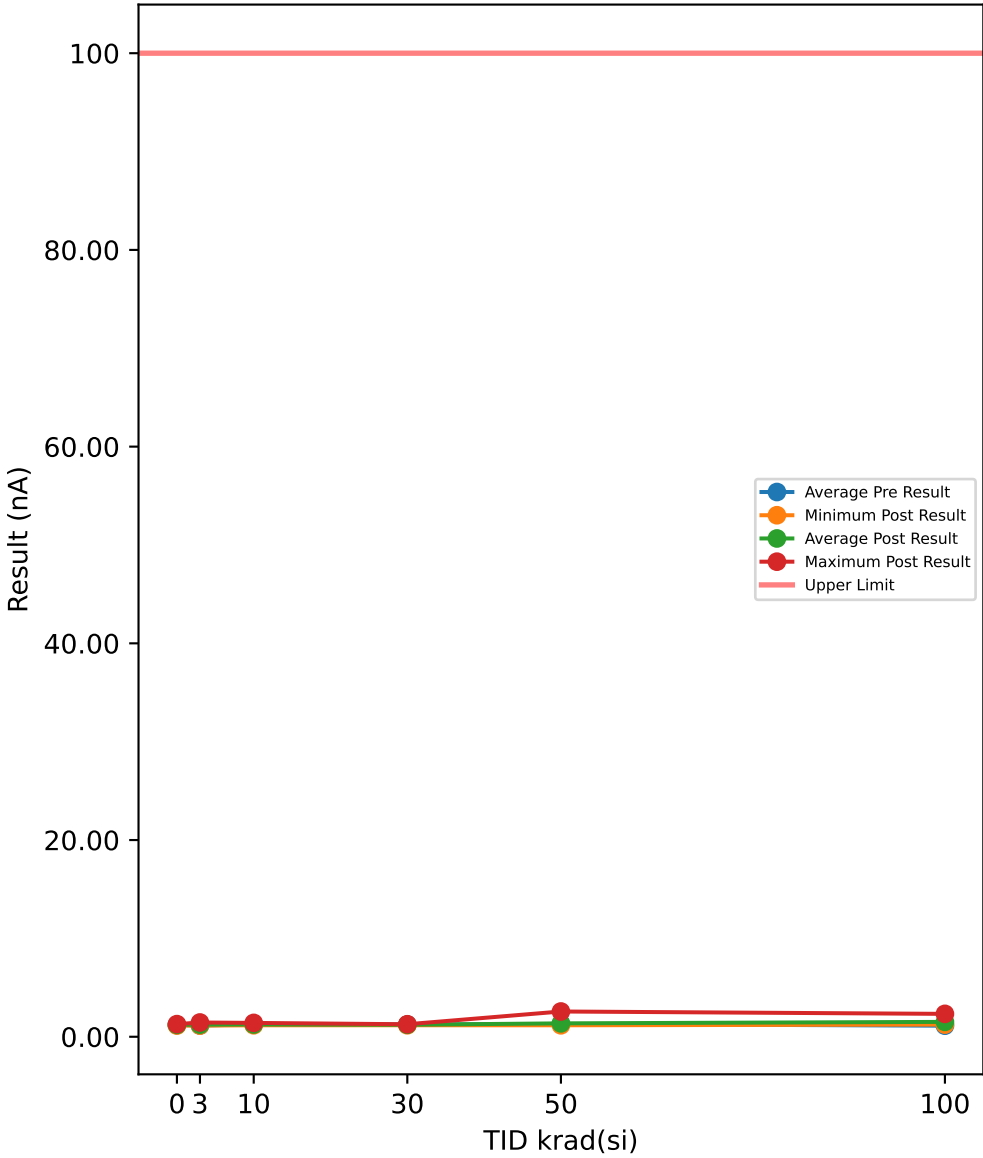
Test Results (Upper Limit = 100.0 (nA))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 1.195      | 1.196       | 0.001  |
| 301      | 0        | Correlation         | 1.16       | 1.171       | 0.011  |
| 302      | 0        | Correlation         | 1.264      | 1.251       | -0.013 |
| 303      | 3        | Bias                | 0.982      | 1.167       | 0.185  |
| 304      | 3        | Bias                | 1.024      | 1.178       | 0.154  |
| 305      | 3        | Bias                | 1.002      | 1.13        | 0.128  |
| 306      | 3        | Bias                | 1.311      | 1.321       | 0.01   |
| 307      | 3        | Bias                | 0.971      | 1.147       | 0.176  |
| 308      | 3        | Unbiased            | 1.106      | 1.223       | 0.117  |
| 309      | 3        | Unbiased            | 1.196      | 1.224       | 0.028  |
| 310      | 3        | Unbiased            | 1.27       | 1.234       | -0.036 |
| 311      | 3        | Unbiased            | 1.238      | 1.183       | -0.055 |
| 312      | 3        | Unbiased            | 1.47       | 1.455       | -0.015 |
| 313      | 10       | Bias                | 1.251      | 1.237       | -0.014 |
| 314      | 10       | Bias                | 1.202      | 1.169       | -0.033 |
| 315      | 10       | Bias                | 1.347      | 1.311       | -0.036 |
| 316      | 10       | Bias                | 1.192      | 1.209       | 0.017  |
| 317      | 10       | Bias                | 1.191      | 1.189       | -0.002 |
| 318      | 10       | Unbiased            | 1.417      | 1.403       | -0.014 |
| 319      | 10       | Unbiased            | 1.175      | 1.165       | -0.01  |
| 320      | 10       | Unbiased            | 1.173      | 1.201       | 0.028  |
| 321      | 10       | Unbiased            | 1.235      | 1.195       | -0.04  |
| 322      | 10       | Unbiased            | 1.361      | 1.345       | -0.016 |
| 323      | 30       | Bias                | 1.229      | 1.189       | -0.04  |
| 324      | 30       | Bias                | 1.254      | 1.237       | -0.017 |
| 325      | 30       | Bias                | 1.246      | 1.215       | -0.031 |
| 326      | 30       | Bias                | 1.179      | 1.202       | 0.023  |
| 327      | 30       | Bias                | 1.19       | 1.172       | -0.018 |
| 328      | 30       | Unbiased            | 1.278      | 1.242       | -0.036 |
| 329      | 30       | Unbiased            | 1.208      | 1.176       | -0.032 |
| 330      | 30       | Unbiased            | 1.263      | 1.269       | 0.006  |
| 331      | 30       | Unbiased            | 1.258      | 1.271       | 0.013  |
| 332      | 30       | Unbiased            | 1.251      | 1.249       | -0.002 |
| 333      | 50       | Bias                | 1.271      | 1.248       | -0.023 |
| 334      | 50       | Bias                | 1.306      | 1.272       | -0.034 |
| 335      | 50       | Bias                | 1.222      | 1.218       | -0.004 |
| 336      | 50       | Bias                | 1.189      | 1.161       | -0.028 |
| 337      | 50       | Bias                | 1.212      | 1.209       | -0.003 |
| 338      | 50       | Unbiased            | 1.166      | 1.183       | 0.017  |
| 339      | 50       | Unbiased            | 1.029      | 1.235       | 0.206  |
| 340      | 50       | Unbiased            | 1.082      | 1.283       | 0.201  |
| 341      | 50       | Unbiased            | 2.364      | 2.575       | 0.211  |
| 342      | 50       | Unbiased            | 1.005      | 1.194       | 0.189  |
| 343      | 100      | Bias                | 1.151      | 1.401       | 0.25   |
| 344      | 100      | Bias                | 1.037      | 1.259       | 0.222  |
| 345      | 100      | Bias                | 0.968      | 1.359       | 0.391  |
| 346      | 100      | Bias                | 1.289      | 1.741       | 0.452  |
| 347      | 100      | Bias                | 1.121      | 1.392       | 0.271  |
| 348      | 100      | Unbiased            | 1.052      | 1.267       | 0.215  |
| 349      | 100      | Unbiased            | 1.072      | 1.323       | 0.251  |
| 350      | 100      | Unbiased            | 1.349      | 2.312       | 0.963  |
| 351      | 100      | Unbiased            | 1.251      | 1.759       | 0.508  |
| 352      | 100      | Unbiased            | 1.003      | 1.366       | 0.363  |

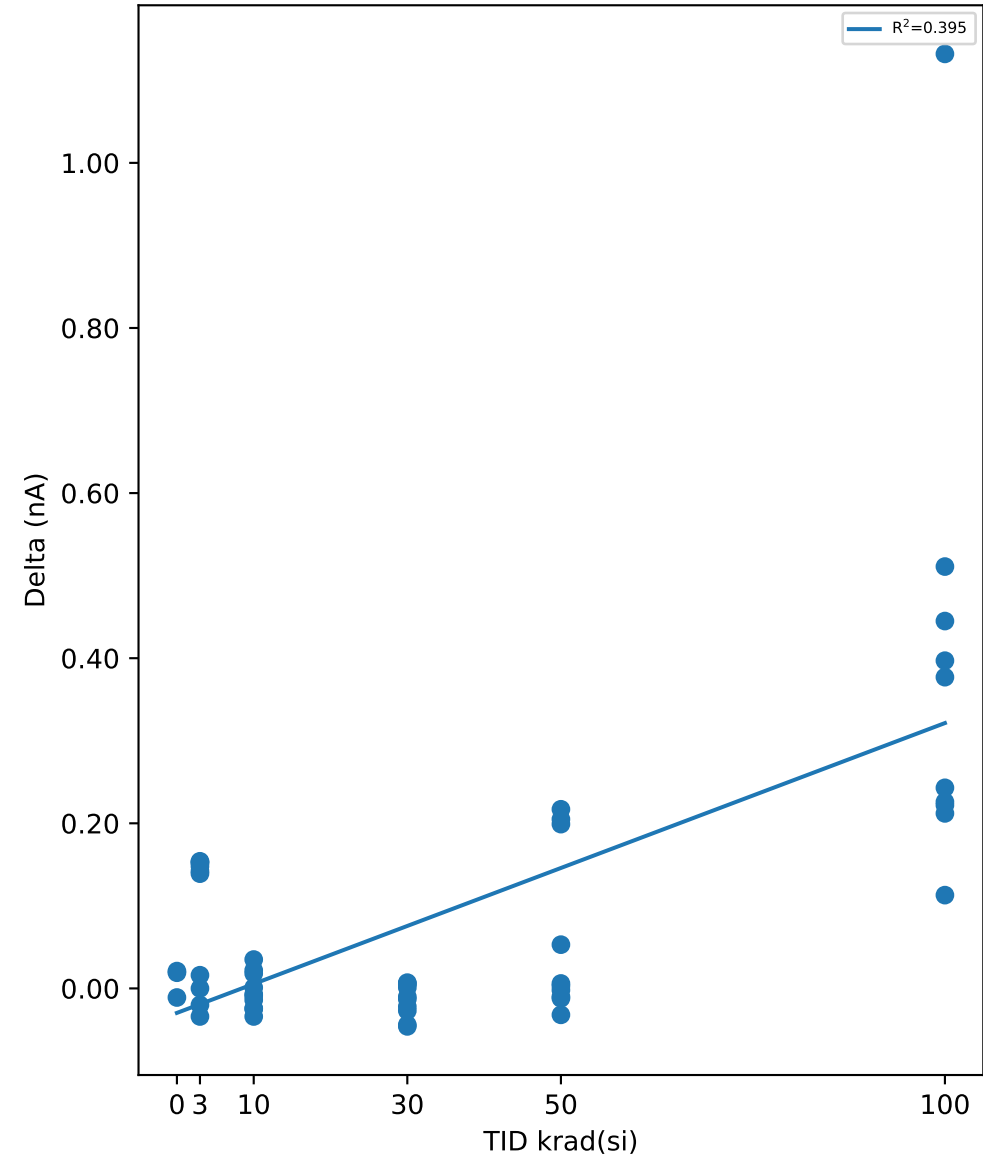
Test Statistics (nA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|-----------|
| 0        | 1.16             | 1.2063           | 1.264            | 0.052918         | 1.171             | 1.206             | 1.251             | 0.040927          | -0.013    | -0.00033333 | 0.011     | 0.012055  |
| 3        | 0.971            | 1.157            | 1.47             | 0.16736          | 1.13              | 1.2262            | 1.455             | 0.096973          | -0.055    | 0.0692      | 0.185     | 0.092216  |
| 10       | 1.173            | 1.2544           | 1.417            | 0.088415         | 1.165             | 1.2424            | 1.403             | 0.081895          | -0.04     | -0.012      | 0.028     | 0.022035  |
| 30       | 1.179            | 1.2356           | 1.278            | 0.033036         | 1.172             | 1.2222            | 1.271             | 0.036693          | -0.04     | -0.0134     | 0.023     | 0.022202  |
| 50       | 1.005            | 1.2846           | 2.364            | 0.39196          | 1.161             | 1.3578            | 2.575             | 0.4294            | -0.034    | 0.0732      | 0.211     | 0.11169   |
| 100      | 0.968            | 1.1293           | 1.349            | 0.12861          | 1.259             | 1.5179            | 2.312             | 0.33071           | 0.215     | 0.3886      | 0.963     | 0.22577   |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



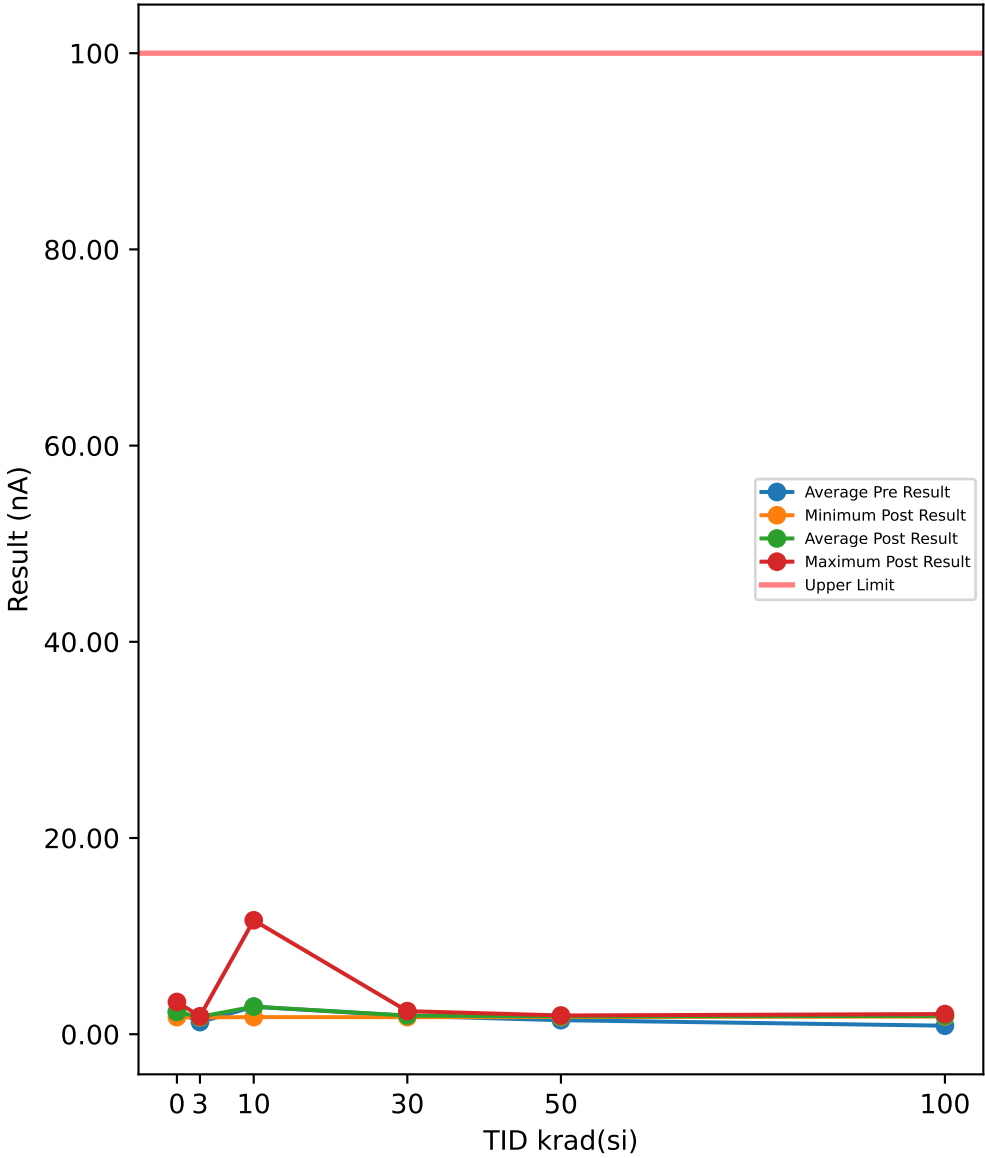
Test Results (Upper Limit = 100.0 (nA))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 1.191      | 1.212       | 0.021  |
| 301      | 0        | Correlation         | 1.148      | 1.137       | -0.011 |
| 302      | 0        | Correlation         | 1.264      | 1.283       | 0.019  |
| 303      | 3        | Bias                | 0.998      | 1.152       | 0.154  |
| 304      | 3        | Bias                | 1.03       | 1.169       | 0.139  |
| 305      | 3        | Bias                | 1.001      | 1.153       | 0.152  |
| 306      | 3        | Bias                | 1.152      | 1.305       | 0.153  |
| 307      | 3        | Bias                | 0.992      | 1.134       | 0.142  |
| 308      | 3        | Unbiased            | 1.108      | 1.256       | 0.148  |
| 309      | 3        | Unbiased            | 1.213      | 1.229       | 0.016  |
| 310      | 3        | Unbiased            | 1.273      | 1.239       | -0.034 |
| 311      | 3        | Unbiased            | 1.228      | 1.228       | 0      |
| 312      | 3        | Unbiased            | 1.471      | 1.451       | -0.02  |
| 313      | 10       | Bias                | 1.232      | 1.267       | 0.035  |
| 314      | 10       | Bias                | 1.177      | 1.168       | -0.009 |
| 315      | 10       | Bias                | 1.34       | 1.316       | -0.024 |
| 316      | 10       | Bias                | 1.197      | 1.215       | 0.018  |
| 317      | 10       | Bias                | 1.198      | 1.199       | 0.001  |
| 318      | 10       | Unbiased            | 1.433      | 1.408       | -0.025 |
| 319      | 10       | Unbiased            | 1.181      | 1.167       | -0.014 |
| 320      | 10       | Unbiased            | 1.182      | 1.204       | 0.022  |
| 321      | 10       | Unbiased            | 1.229      | 1.195       | -0.034 |
| 322      | 10       | Unbiased            | 1.361      | 1.354       | -0.007 |
| 323      | 30       | Bias                | 1.25       | 1.206       | -0.044 |
| 324      | 30       | Bias                | 1.237      | 1.227       | -0.01  |
| 325      | 30       | Bias                | 1.25       | 1.223       | -0.027 |
| 326      | 30       | Bias                | 1.193      | 1.2         | 0.007  |
| 327      | 30       | Bias                | 1.191      | 1.169       | -0.022 |
| 328      | 30       | Unbiased            | 1.27       | 1.224       | -0.046 |
| 329      | 30       | Unbiased            | 1.199      | 1.186       | -0.013 |
| 330      | 30       | Unbiased            | 1.257      | 1.262       | 0.005  |
| 331      | 30       | Unbiased            | 1.27       | 1.271       | 0.001  |
| 332      | 30       | Unbiased            | 1.249      | 1.255       | 0.006  |
| 333      | 50       | Bias                | 1.265      | 1.253       | -0.012 |
| 334      | 50       | Bias                | 1.288      | 1.286       | -0.002 |
| 335      | 50       | Bias                | 1.224      | 1.227       | 0.003  |
| 336      | 50       | Bias                | 1.198      | 1.166       | -0.032 |
| 337      | 50       | Bias                | 1.197      | 1.203       | 0.006  |
| 338      | 50       | Unbiased            | 1.182      | 1.172       | -0.01  |
| 339      | 50       | Unbiased            | 1.032      | 1.237       | 0.205  |
| 340      | 50       | Unbiased            | 1.243      | 1.296       | 0.053  |
| 341      | 50       | Unbiased            | 2.351      | 2.568       | 0.217  |
| 342      | 50       | Unbiased            | 1.013      | 1.212       | 0.199  |
| 343      | 100      | Bias                | 1.178      | 1.4         | 0.222  |
| 344      | 100      | Bias                | 1.023      | 1.235       | 0.212  |
| 345      | 100      | Bias                | 0.962      | 1.339       | 0.377  |
| 346      | 100      | Bias                | 1.294      | 1.739       | 0.445  |
| 347      | 100      | Bias                | 1.126      | 1.369       | 0.243  |
| 348      | 100      | Unbiased            | 1.049      | 1.275       | 0.226  |
| 349      | 100      | Unbiased            | 1.213      | 1.326       | 0.113  |
| 350      | 100      | Unbiased            | 1.195      | 2.327       | 1.132  |
| 351      | 100      | Unbiased            | 1.238      | 1.749       | 0.511  |
| 352      | 100      | Unbiased            | 0.971      | 1.368       | 0.397  |

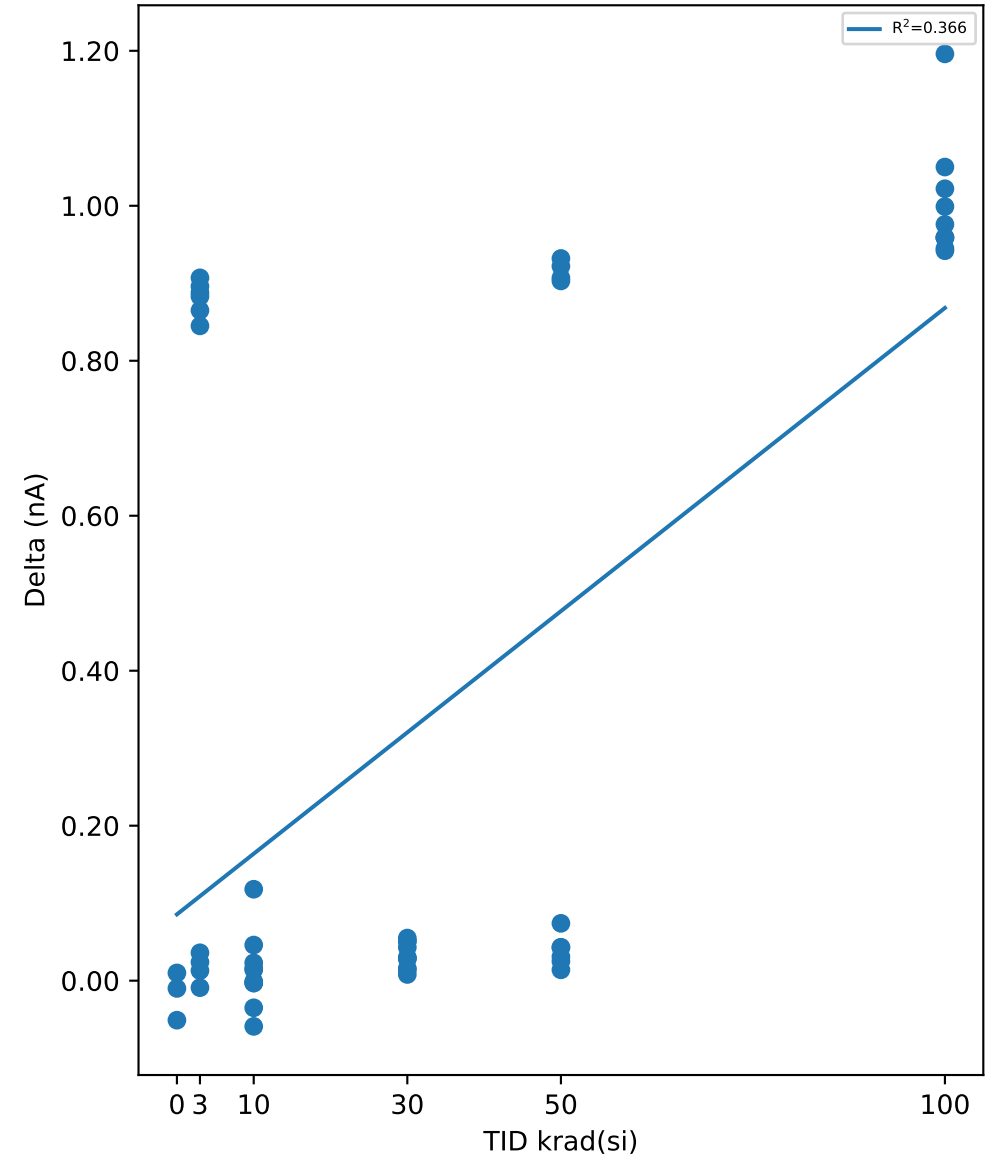
Test Statistics (nA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 1.148            | 1.201            | 1.264            | 0.058643         | 1.137             | 1.2107            | 1.283             | 0.073009          | -0.011    | 0.0096667 | 0.021     | 0.017926  |
| 3        | 0.992            | 1.1466           | 1.471            | 0.1544           | 1.134             | 1.2316            | 1.451             | 0.094371          | -0.034    | 0.085     | 0.154     | 0.082449  |
| 10       | 1.177            | 1.253            | 1.433            | 0.091173         | 1.167             | 1.2493            | 1.408             | 0.083666          | -0.034    | -0.0037   | 0.035     | 0.022559  |
| 30       | 1.191            | 1.2366           | 1.27             | 0.03083          | 1.169             | 1.2223            | 1.271             | 0.033273          | -0.046    | -0.0143   | 0.007     | 0.02      |
| 50       | 1.013            | 1.2993           | 2.351            | 0.38066          | 1.166             | 1.362             | 2.568             | 0.42591           | -0.032    | 0.0627    | 0.217     | 0.10194   |
| 100      | 0.962            | 1.1249           | 1.294            | 0.11702          | 1.235             | 1.5127            | 2.327             | 0.33716           | 0.113     | 0.3878    | 1.132     | 0.28936   |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

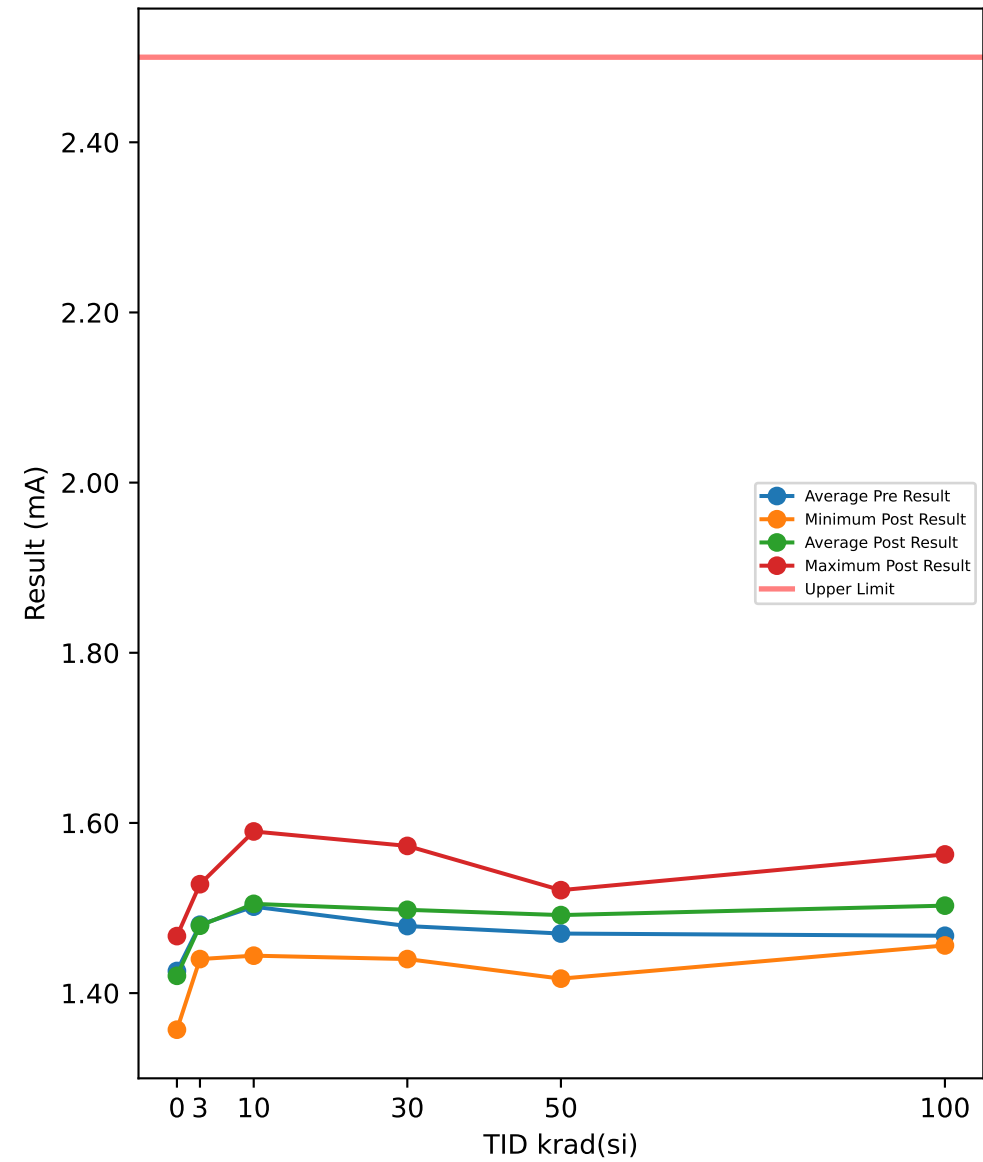
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 3.334      | 3.283       | -0.051 |
| 301      | 0        | Correlation         | 1.754      | 1.744       | -0.01  |
| 302      | 0        | Correlation         | 1.736      | 1.746       | 0.01   |
| 303      | 3        | Bias                | 0.869      | 1.714       | 0.845  |
| 304      | 3        | Bias                | 0.885      | 1.781       | 0.896  |
| 305      | 3        | Bias                | 0.889      | 1.754       | 0.865  |
| 306      | 3        | Bias                | 0.886      | 1.793       | 0.907  |
| 307      | 3        | Bias                | 0.853      | 1.741       | 0.888  |
| 308      | 3        | Unbiased            | 0.904      | 1.787       | 0.883  |
| 309      | 3        | Unbiased            | 1.747      | 1.783       | 0.036  |
| 310      | 3        | Unbiased            | 1.736      | 1.727       | -0.009 |
| 311      | 3        | Unbiased            | 1.812      | 1.825       | 0.013  |
| 312      | 3        | Unbiased            | 1.767      | 1.791       | 0.024  |
| 313      | 10       | Bias                | 1.796      | 1.81        | 0.014  |
| 314      | 10       | Bias                | 1.749      | 1.746       | -0.003 |
| 315      | 10       | Bias                | 2.04       | 2.056       | 0.016  |
| 316      | 10       | Bias                | 1.719      | 1.742       | 0.023  |
| 317      | 10       | Bias                | 1.753      | 1.799       | 0.046  |
| 318      | 10       | Unbiased            | 11.649     | 11.614      | -0.035 |
| 319      | 10       | Unbiased            | 1.953      | 1.95        | -0.003 |
| 320      | 10       | Unbiased            | 1.807      | 1.748       | -0.059 |
| 321      | 10       | Unbiased            | 1.75       | 1.868       | 0.118  |
| 322      | 10       | Unbiased            | 1.788      | 1.787       | -0.001 |
| 323      | 30       | Bias                | 1.815      | 1.829       | 0.014  |
| 324      | 30       | Bias                | 1.781      | 1.789       | 0.008  |
| 325      | 30       | Bias                | 1.738      | 1.781       | 0.043  |
| 326      | 30       | Bias                | 1.77       | 1.798       | 0.028  |
| 327      | 30       | Bias                | 1.708      | 1.737       | 0.029  |
| 328      | 30       | Unbiased            | 2.337      | 2.353       | 0.016  |
| 329      | 30       | Unbiased            | 2.15       | 2.18        | 0.03   |
| 330      | 30       | Unbiased            | 1.77       | 1.825       | 0.055  |
| 331      | 30       | Unbiased            | 1.774      | 1.825       | 0.051  |
| 332      | 30       | Unbiased            | 1.858      | 1.909       | 0.051  |
| 333      | 50       | Bias                | 1.772      | 1.846       | 0.074  |
| 334      | 50       | Bias                | 1.821      | 1.846       | 0.025  |
| 335      | 50       | Bias                | 1.743      | 1.786       | 0.043  |
| 336      | 50       | Bias                | 1.773      | 1.816       | 0.043  |
| 337      | 50       | Bias                | 1.897      | 1.911       | 0.014  |
| 338      | 50       | Unbiased            | 1.781      | 1.812       | 0.031  |
| 339      | 50       | Unbiased            | 0.9        | 1.832       | 0.932  |
| 340      | 50       | Unbiased            | 0.844      | 1.747       | 0.903  |
| 341      | 50       | Unbiased            | 0.872      | 1.794       | 0.922  |
| 342      | 50       | Unbiased            | 0.886      | 1.793       | 0.907  |
| 343      | 100      | Bias                | 0.843      | 1.802       | 0.959  |
| 344      | 100      | Bias                | 0.902      | 1.847       | 0.945  |
| 345      | 100      | Bias                | 0.872      | 1.894       | 1.022  |
| 346      | 100      | Bias                | 0.849      | 1.899       | 1.05   |
| 347      | 100      | Bias                | 0.838      | 1.837       | 0.999  |
| 348      | 100      | Unbiased            | 0.866      | 1.842       | 0.976  |
| 349      | 100      | Unbiased            | 0.891      | 1.85        | 0.959  |
| 350      | 100      | Unbiased            | 0.883      | 1.842       | 0.959  |
| 351      | 100      | Unbiased            | 0.86       | 2.056       | 1.196  |
| 352      | 100      | Unbiased            | 0.882      | 1.824       | 0.942  |

Test Statistics (nA)

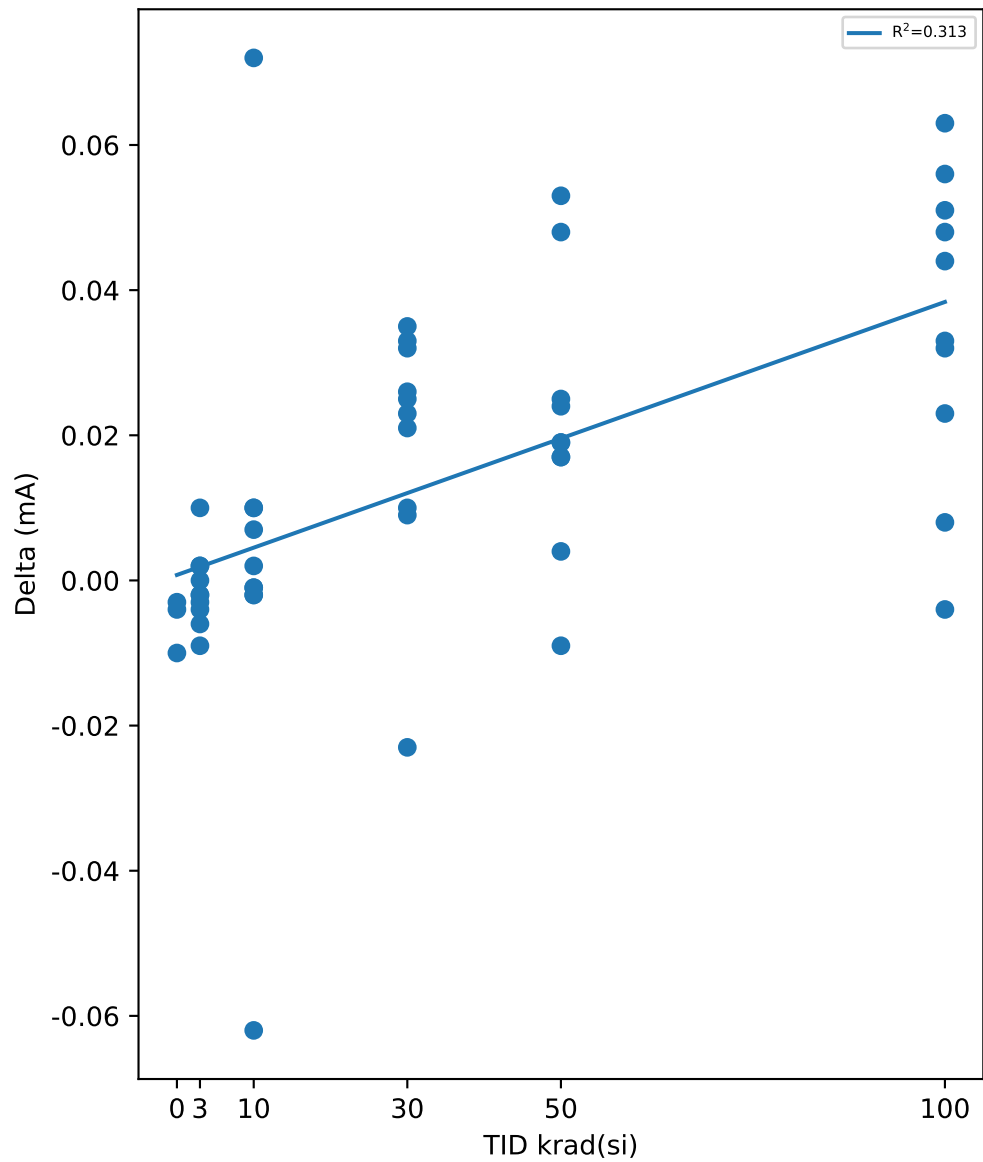
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 1.736            | 2.2747           | 3.334            | 0.91745          | 1.744             | 2.2577            | 3.283             | 0.88797           | -0.051    | -0.017    | 0.01      | 0.031097  |
| 3        | 0.853            | 1.2348           | 1.812            | 0.45735          | 1.714             | 1.7696            | 1.825             | 0.034407          | -0.009    | 0.5348    | 0.907     | 0.44696   |
| 10       | 1.719            | 2.8004           | 11.649           | 3.1107           | 1.742             | 2.812             | 11.614            | 3.0944            | -0.059    | 0.0116    | 0.118     | 0.04761   |
| 30       | 1.708            | 1.8701           | 2.337            | 0.20561          | 1.737             | 1.9026            | 2.353             | 0.20093           | 0.008     | 0.0325    | 0.055     | 0.016847  |
| 50       | 0.844            | 1.4289           | 1.897            | 0.47823          | 1.747             | 1.8183            | 1.911             | 0.04437           | 0.014     | 0.3894    | 0.932     | 0.45355   |
| 100      | 0.838            | 0.8686           | 0.902            | 0.021272         | 1.802             | 1.8693            | 2.056             | 0.071751          | 0.942     | 1.0007    | 1.196     | 0.077031  |

Device Test: 6.4 ; IQ

TID vs Result Stats



TID vs Post - Pre Exposure Delta

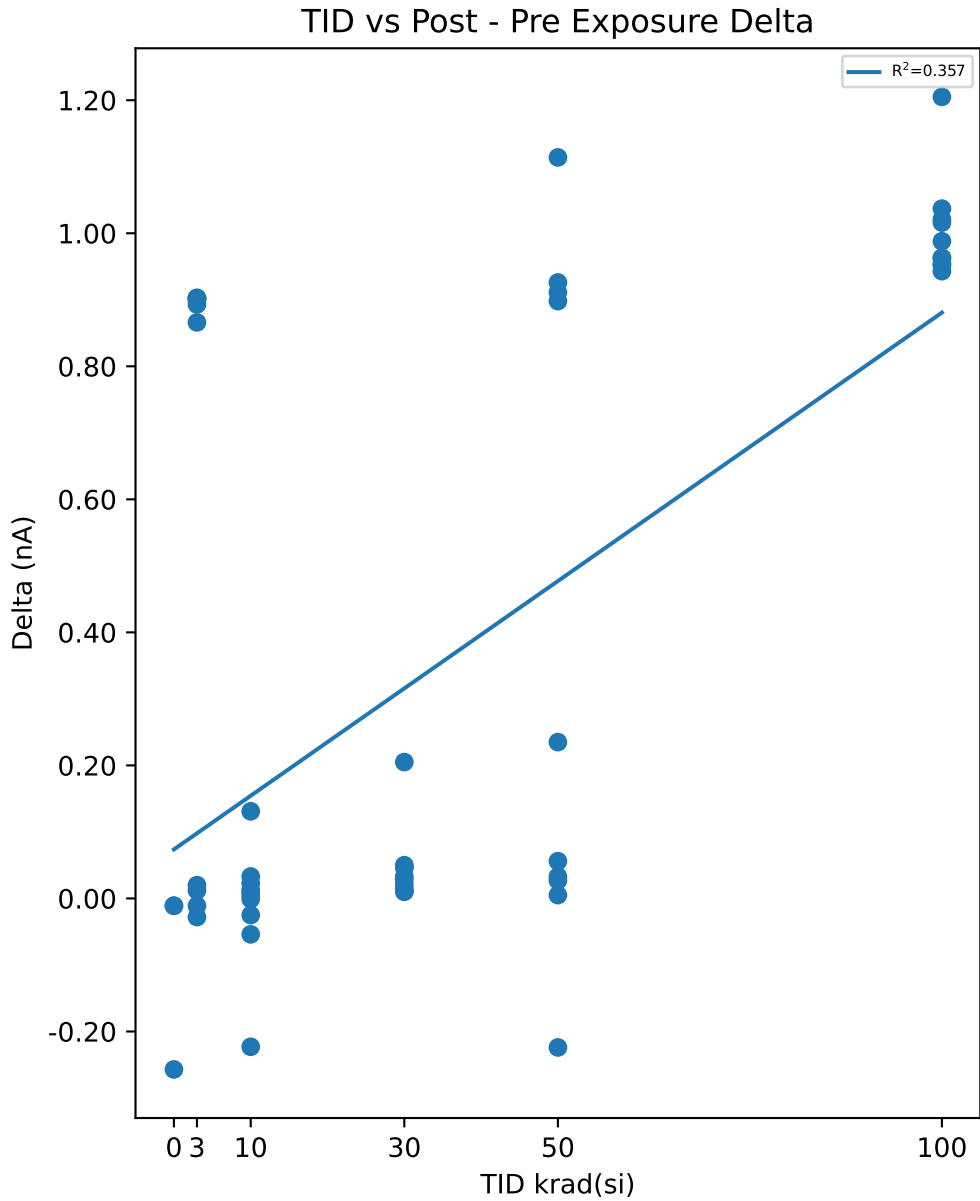
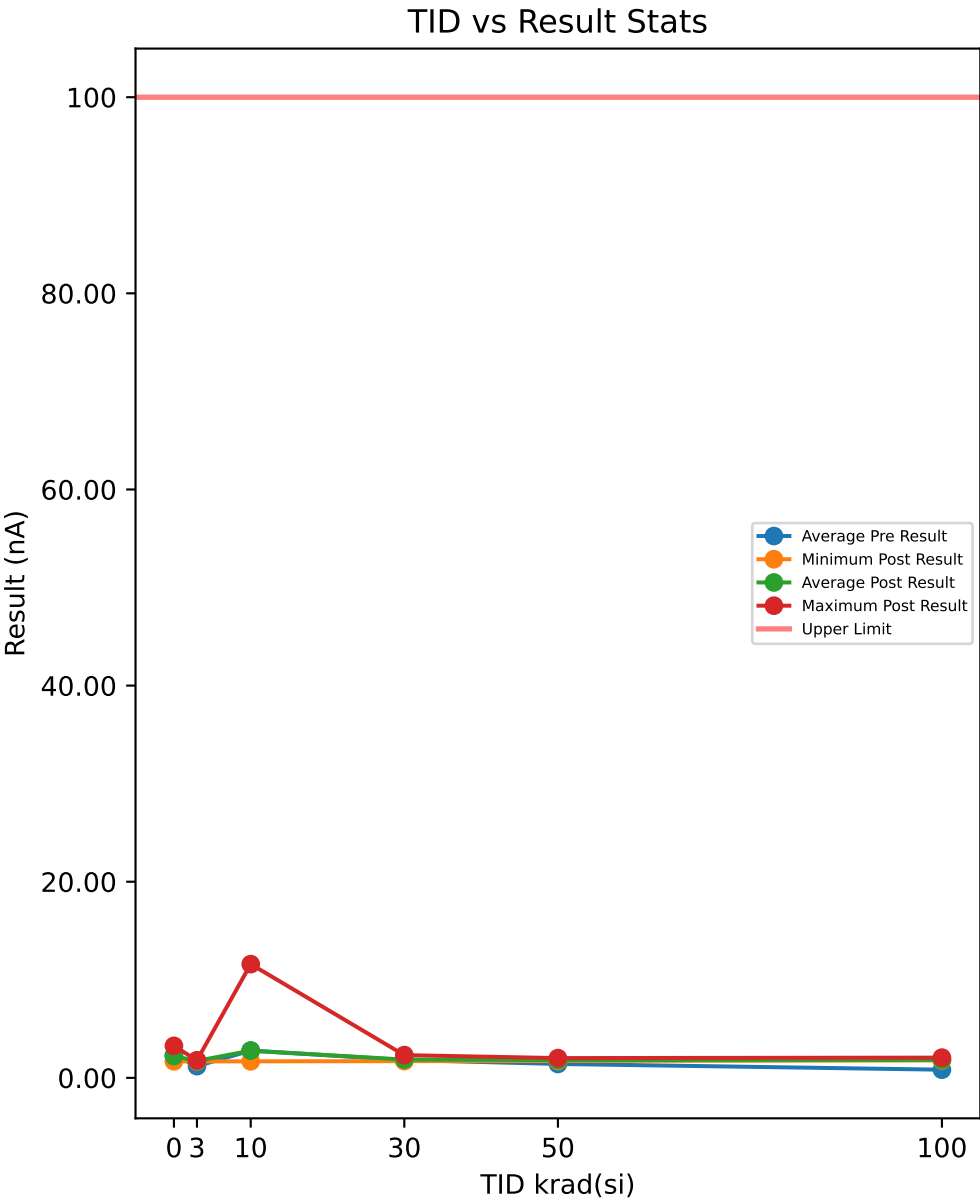


Test Results (Upper Limit = 2.5 (mA))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 1.477      | 1.467       | -0.01  |
| 301      | 0        | Correlation         | 1.361      | 1.357       | -0.004 |
| 302      | 0        | Correlation         | 1.44       | 1.437       | -0.003 |
| 303      | 3        | Bias                | 1.472      | 1.474       | 0.002  |
| 304      | 3        | Bias                | 1.503      | 1.494       | -0.009 |
| 305      | 3        | Bias                | 1.534      | 1.528       | -0.006 |
| 306      | 3        | Bias                | 1.458      | 1.454       | -0.004 |
| 307      | 3        | Bias                | 1.505      | 1.503       | -0.002 |
| 308      | 3        | Unbiased            | 1.506      | 1.503       | -0.003 |
| 309      | 3        | Unbiased            | 1.44       | 1.44        | 0      |
| 310      | 3        | Unbiased            | 1.463      | 1.465       | 0.002  |
| 311      | 3        | Unbiased            | 1.457      | 1.455       | -0.002 |
| 312      | 3        | Unbiased            | 1.466      | 1.476       | 0.01   |
| 313      | 10       | Bias                | 1.434      | 1.444       | 0.01   |
| 314      | 10       | Bias                | 1.527      | 1.526       | -0.001 |
| 315      | 10       | Bias                | 1.565      | 1.575       | 0.01   |
| 316      | 10       | Bias                | 1.452      | 1.45        | -0.002 |
| 317      | 10       | Bias                | 1.463      | 1.462       | -0.001 |
| 318      | 10       | Unbiased            | 1.497      | 1.499       | 0.002  |
| 319      | 10       | Unbiased            | 1.583      | 1.59        | 0.007  |
| 320      | 10       | Unbiased            | 1.468      | 1.54        | 0.072  |
| 321      | 10       | Unbiased            | 1.535      | 1.473       | -0.062 |
| 322      | 10       | Unbiased            | 1.492      | 1.49        | -0.002 |
| 323      | 30       | Bias                | 1.437      | 1.469       | 0.032  |
| 324      | 30       | Bias                | 1.463      | 1.44        | -0.023 |
| 325      | 30       | Bias                | 1.516      | 1.539       | 0.023  |
| 326      | 30       | Bias                | 1.552      | 1.573       | 0.021  |
| 327      | 30       | Bias                | 1.504      | 1.514       | 0.01   |
| 328      | 30       | Unbiased            | 1.48       | 1.506       | 0.026  |
| 329      | 30       | Unbiased            | 1.432      | 1.467       | 0.035  |
| 330      | 30       | Unbiased            | 1.439      | 1.472       | 0.033  |
| 331      | 30       | Unbiased            | 1.452      | 1.477       | 0.025  |
| 332      | 30       | Unbiased            | 1.513      | 1.522       | 0.009  |
| 333      | 50       | Bias                | 1.484      | 1.503       | 0.019  |
| 334      | 50       | Bias                | 1.504      | 1.521       | 0.017  |
| 335      | 50       | Bias                | 1.443      | 1.496       | 0.053  |
| 336      | 50       | Bias                | 1.491      | 1.495       | 0.004  |
| 337      | 50       | Bias                | 1.486      | 1.511       | 0.025  |
| 338      | 50       | Unbiased            | 1.463      | 1.487       | 0.024  |
| 339      | 50       | Unbiased            | 1.398      | 1.417       | 0.019  |
| 340      | 50       | Unbiased            | 1.469      | 1.517       | 0.048  |
| 341      | 50       | Unbiased            | 1.508      | 1.499       | -0.009 |
| 342      | 50       | Unbiased            | 1.454      | 1.471       | 0.017  |
| 343      | 100      | Bias                | 1.484      | 1.507       | 0.023  |
| 344      | 100      | Bias                | 1.515      | 1.563       | 0.048  |
| 345      | 100      | Bias                | 1.46       | 1.456       | -0.004 |
| 346      | 100      | Bias                | 1.45       | 1.513       | 0.063  |
| 347      | 100      | Bias                | 1.493      | 1.501       | 0.008  |
| 348      | 100      | Unbiased            | 1.448      | 1.504       | 0.056  |
| 349      | 100      | Unbiased            | 1.481      | 1.514       | 0.033  |
| 350      | 100      | Unbiased            | 1.433      | 1.465       | 0.032  |
| 351      | 100      | Unbiased            | 1.495      | 1.546       | 0.051  |
| 352      | 100      | Unbiased            | 1.415      | 1.459       | 0.044  |

Test Statistics (mA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 1.361            | 1.426            | 1.477            | 0.059254         | 1.357             | 1.4203            | 1.467             | 0.056862          | -0.01     | -0.0056667 | -0.003    | 0.0037859 |
| 3        | 1.44             | 1.4804           | 1.534            | 0.029639         | 1.44              | 1.4792            | 1.528             | 0.027345          | -0.009    | -0.0012    | 0.01      | 0.0052026 |
| 10       | 1.434            | 1.5016           | 1.583            | 0.04963          | 1.444             | 1.5049            | 1.59              | 0.051285          | -0.062    | 0.0033     | 0.072     | 0.031941  |
| 30       | 1.432            | 1.4788           | 1.552            | 0.040876         | 1.44              | 1.4979            | 1.573             | 0.040118          | -0.023    | 0.0191     | 0.035     | 0.017227  |
| 50       | 1.398            | 1.47             | 1.508            | 0.03285          | 1.417             | 1.4917            | 1.521             | 0.030022          | -0.009    | 0.0217     | 0.053     | 0.018264  |
| 100      | 1.415            | 1.4674           | 1.515            | 0.031281         | 1.456             | 1.5028            | 1.563             | 0.035402          | -0.004    | 0.0354     | 0.063     | 0.021438  |



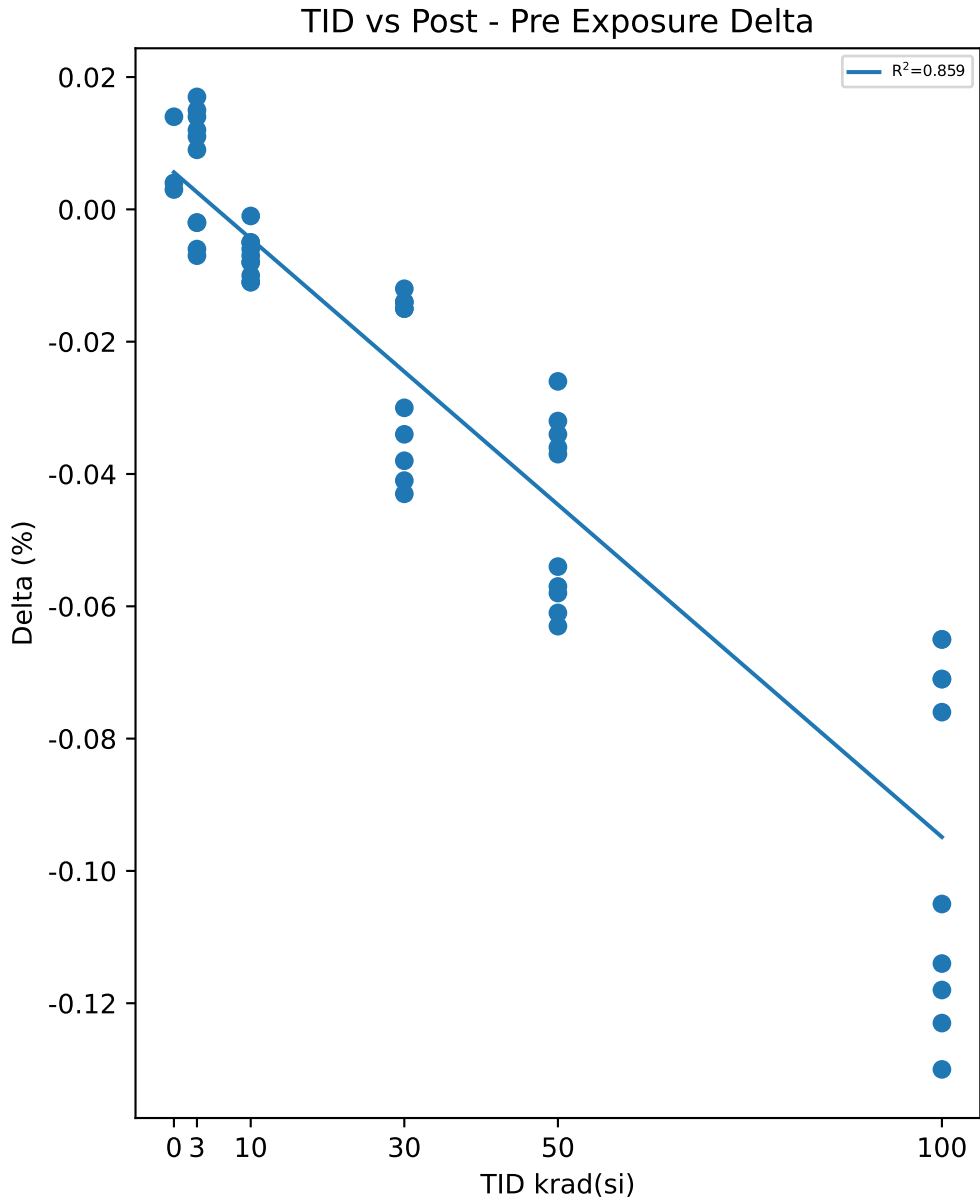
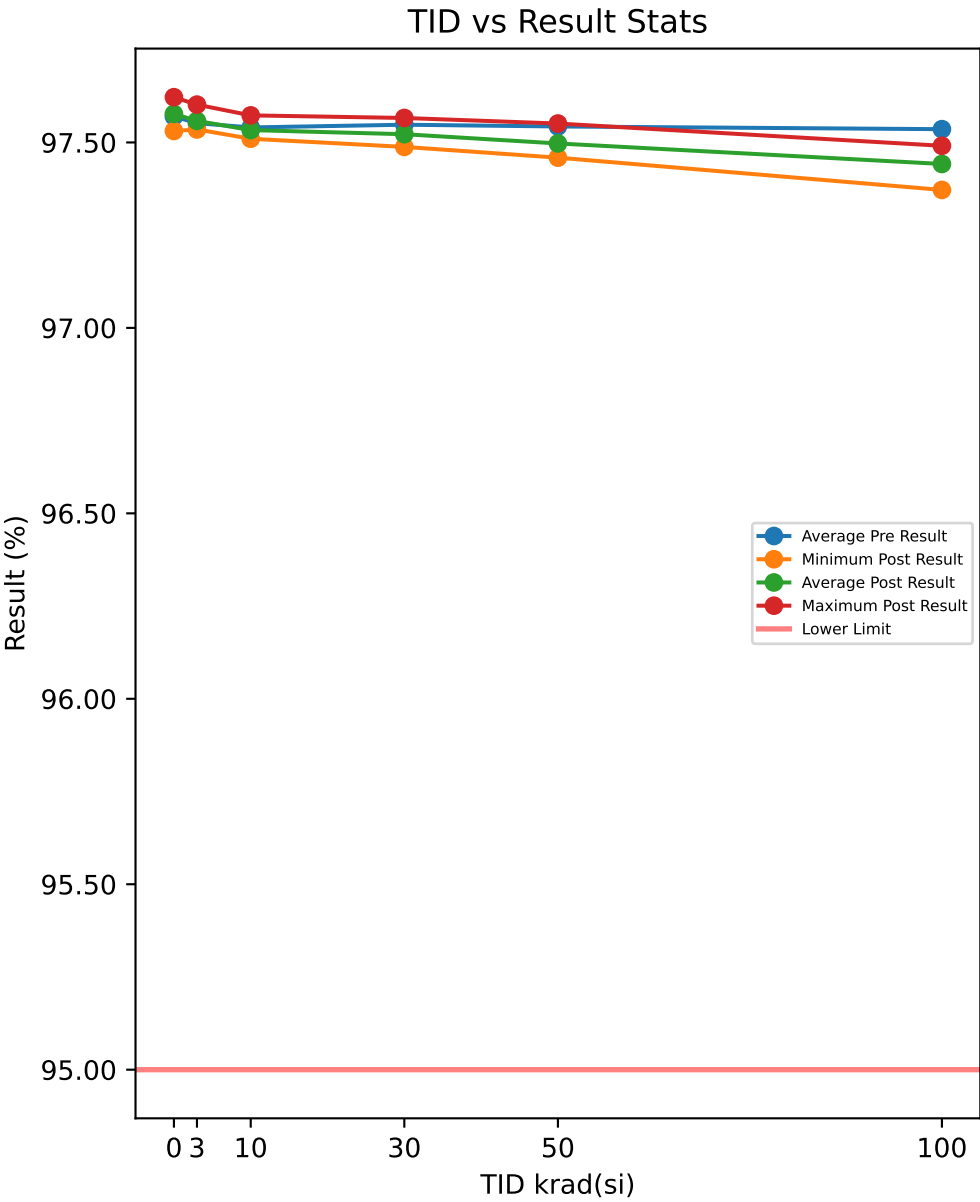
| Test Results (Upper Limit = 100.0 (nA)) |          |                     |            |             |        |
|-----------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                     | 0        | Correlation         | 3.519      | 3.262       | -0.257 |
| 301                                     | 0        | Correlation         | 1.7        | 1.689       | -0.011 |
| 302                                     | 0        | Correlation         | 1.705      | 1.694       | -0.011 |
| 303                                     | 3        | Bias                | 0.807      | 1.709       | 0.902  |
| 304                                     | 3        | Bias                | 0.853      | 1.755       | 0.902  |
| 305                                     | 3        | Bias                | 0.845      | 1.745       | 0.9    |
| 306                                     | 3        | Bias                | 0.876      | 1.742       | 0.866  |
| 307                                     | 3        | Bias                | 0.807      | 1.71        | 0.903  |
| 308                                     | 3        | Unbiased            | 0.875      | 1.768       | 0.893  |
| 309                                     | 3        | Unbiased            | 1.71       | 1.73        | 0.02   |
| 310                                     | 3        | Unbiased            | 1.702      | 1.674       | -0.028 |
| 311                                     | 3        | Unbiased            | 1.779      | 1.791       | 0.012  |
| 312                                     | 3        | Unbiased            | 1.717      | 1.706       | -0.011 |
| 313                                     | 10       | Bias                | 1.749      | 1.772       | 0.023  |
| 314                                     | 10       | Bias                | 1.719      | 1.728       | 0.009  |
| 315                                     | 10       | Bias                | 1.972      | 2.005       | 0.033  |
| 316                                     | 10       | Bias                | 1.686      | 1.685       | -0.001 |
| 317                                     | 10       | Bias                | 1.728      | 1.741       | 0.013  |
| 318                                     | 10       | Unbiased            | 11.622     | 11.597      | -0.025 |
| 319                                     | 10       | Unbiased            | 1.893      | 1.898       | 0.005  |
| 320                                     | 10       | Unbiased            | 1.778      | 1.724       | -0.054 |
| 321                                     | 10       | Unbiased            | 1.673      | 1.804       | 0.131  |
| 322                                     | 10       | Unbiased            | 1.983      | 1.76        | -0.223 |
| 323                                     | 30       | Bias                | 1.758      | 1.805       | 0.047  |
| 324                                     | 30       | Bias                | 1.732      | 1.753       | 0.021  |
| 325                                     | 30       | Bias                | 1.713      | 1.759       | 0.046  |
| 326                                     | 30       | Bias                | 1.723      | 1.756       | 0.033  |
| 327                                     | 30       | Bias                | 1.693      | 1.704       | 0.011  |
| 328                                     | 30       | Unbiased            | 2.114      | 2.319       | 0.205  |
| 329                                     | 30       | Unbiased            | 2.121      | 2.15        | 0.029  |
| 330                                     | 30       | Unbiased            | 1.77       | 1.78        | 0.01   |
| 331                                     | 30       | Unbiased            | 1.746      | 1.761       | 0.015  |
| 332                                     | 30       | Unbiased            | 1.816      | 1.866       | 0.05   |
| 333                                     | 50       | Bias                | 1.729      | 1.762       | 0.033  |
| 334                                     | 50       | Bias                | 1.78       | 2.015       | 0.235  |
| 335                                     | 50       | Bias                | 1.688      | 1.744       | 0.056  |
| 336                                     | 50       | Bias                | 1.745      | 1.772       | 0.027  |
| 337                                     | 50       | Bias                | 2.101      | 1.877       | -0.224 |
| 338                                     | 50       | Unbiased            | 1.756      | 1.761       | 0.005  |
| 339                                     | 50       | Unbiased            | 0.872      | 1.77        | 0.898  |
| 340                                     | 50       | Unbiased            | 0.795      | 1.721       | 0.926  |
| 341                                     | 50       | Unbiased            | 0.841      | 1.752       | 0.911  |
| 342                                     | 50       | Unbiased            | 0.868      | 1.982       | 1.114  |
| 343                                     | 100      | Bias                | 0.831      | 1.774       | 0.943  |
| 344                                     | 100      | Bias                | 0.858      | 2.063       | 1.205  |
| 345                                     | 100      | Bias                | 0.838      | 1.859       | 1.021  |
| 346                                     | 100      | Bias                | 0.823      | 1.86        | 1.037  |
| 347                                     | 100      | Bias                | 0.828      | 1.816       | 0.988  |
| 348                                     | 100      | Unbiased            | 0.852      | 1.806       | 0.954  |
| 349                                     | 100      | Unbiased            | 0.847      | 1.799       | 0.952  |
| 350                                     | 100      | Unbiased            | 0.838      | 1.801       | 0.963  |
| 351                                     | 100      | Unbiased            | 0.791      | 1.807       | 1.016  |
| 352                                     | 100      | Unbiased            | 0.819      | 1.782       | 0.963  |

Test Statistics (nA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 1.7              | 2.308            | 3.519            | 1.0488           | 1.689             | 2.215             | 3.262             | 0.90673           | -0.257    | -0.093    | -0.011    | 0.14203   |
| 3        | 0.807            | 1.1971           | 1.779            | 0.4571           | 1.674             | 1.733             | 1.791             | 0.034354          | -0.028    | 0.5359    | 0.903     | 0.46303   |
| 10       | 1.673            | 2.7803           | 11.622           | 3.1087           | 1.685             | 2.7714            | 11.597            | 3.1024            | -0.223    | -0.0089   | 0.131     | 0.089152  |
| 30       | 1.693            | 1.8186           | 2.121            | 0.1611           | 1.704             | 1.8653            | 2.319             | 0.20291           | 0.01      | 0.0467    | 0.205     | 0.057598  |
| 50       | 0.795            | 1.4175           | 2.101            | 0.50662          | 1.721             | 1.8156            | 2.015             | 0.10497           | -0.224    | 0.3981    | 1.114     | 0.50115   |
| 100      | 0.791            | 0.8325           | 0.858            | 0.019202         | 1.774             | 1.8367            | 2.063             | 0.084409          | 0.943     | 1.0042    | 1.205     | 0.077793  |



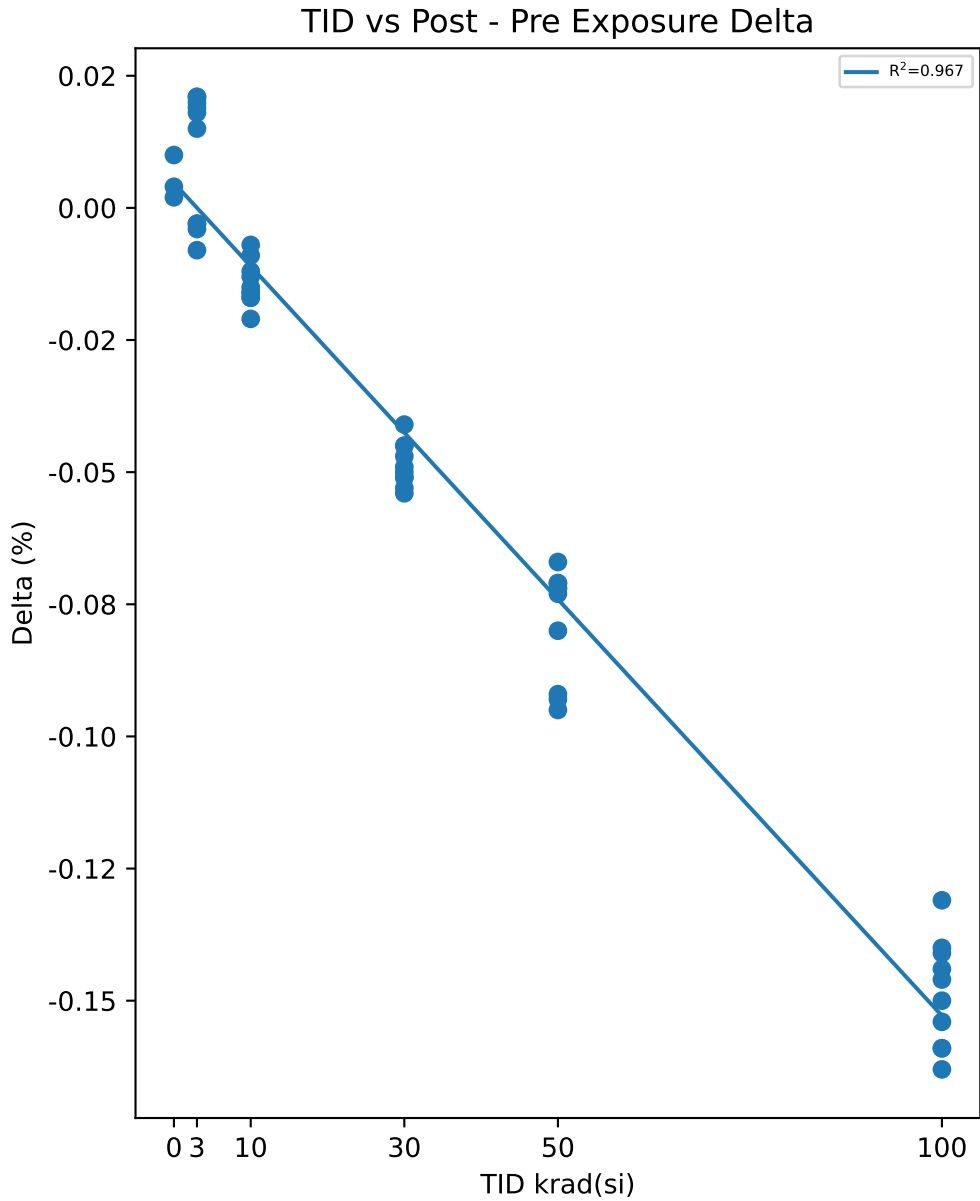
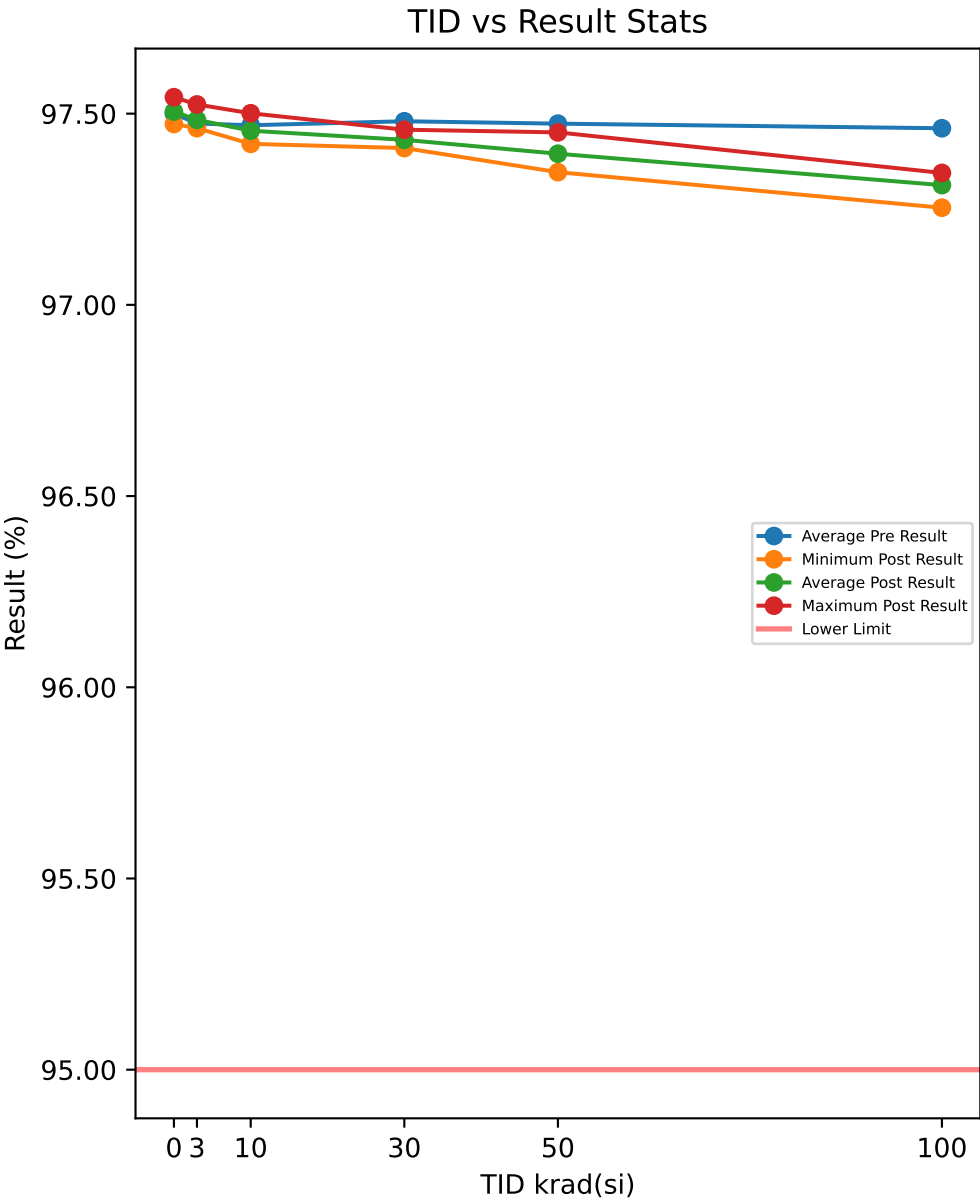
Device Test: 6.41 ; VOH\_RESET\_2MA



| Test Results (Lower Limit = 95.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 97.564     | 97.578      | 0.014  |
| 301                                   | 0        | Correlation         | 97.619     | 97.622      | 0.003  |
| 302                                   | 0        | Correlation         | 97.527     | 97.531      | 0.004  |
| 303                                   | 3        | Bias                | 97.537     | 97.554      | 0.017  |
| 304                                   | 3        | Bias                | 97.53      | 97.545      | 0.015  |
| 305                                   | 3        | Bias                | 97.539     | 97.553      | 0.014  |
| 306                                   | 3        | Bias                | 97.54      | 97.551      | 0.011  |
| 307                                   | 3        | Bias                | 97.523     | 97.535      | 0.012  |
| 308                                   | 3        | Unbiased            | 97.546     | 97.555      | 0.009  |
| 309                                   | 3        | Unbiased            | 97.555     | 97.549      | -0.006 |
| 310                                   | 3        | Unbiased            | 97.545     | 97.538      | -0.007 |
| 311                                   | 3        | Unbiased            | 97.604     | 97.602      | -0.002 |
| 312                                   | 3        | Unbiased            | 97.601     | 97.599      | -0.002 |
| 313                                   | 10       | Bias                | 97.55      | 97.545      | -0.005 |
| 314                                   | 10       | Bias                | 97.539     | 97.538      | -0.001 |
| 315                                   | 10       | Bias                | 97.518     | 97.51       | -0.008 |
| 316                                   | 10       | Bias                | 97.584     | 97.573      | -0.011 |
| 317                                   | 10       | Bias                | 97.515     | 97.51       | -0.005 |
| 318                                   | 10       | Unbiased            | 97.538     | 97.53       | -0.008 |
| 319                                   | 10       | Unbiased            | 97.546     | 97.54       | -0.006 |
| 320                                   | 10       | Unbiased            | 97.529     | 97.518      | -0.011 |
| 321                                   | 10       | Unbiased            | 97.526     | 97.519      | -0.007 |
| 322                                   | 10       | Unbiased            | 97.56      | 97.55       | -0.01  |
| 323                                   | 30       | Bias                | 97.536     | 97.521      | -0.015 |
| 324                                   | 30       | Bias                | 97.553     | 97.539      | -0.014 |
| 325                                   | 30       | Bias                | 97.52      | 97.506      | -0.014 |
| 326                                   | 30       | Bias                | 97.578     | 97.566      | -0.012 |
| 327                                   | 30       | Bias                | 97.551     | 97.536      | -0.015 |
| 328                                   | 30       | Unbiased            | 97.552     | 97.518      | -0.034 |
| 329                                   | 30       | Unbiased            | 97.549     | 97.519      | -0.03  |
| 330                                   | 30       | Unbiased            | 97.569     | 97.531      | -0.038 |
| 331                                   | 30       | Unbiased            | 97.541     | 97.498      | -0.043 |
| 332                                   | 30       | Unbiased            | 97.529     | 97.488      | -0.041 |
| 333                                   | 50       | Bias                | 97.577     | 97.551      | -0.026 |
| 334                                   | 50       | Bias                | 97.516     | 97.484      | -0.032 |
| 335                                   | 50       | Bias                | 97.537     | 97.503      | -0.034 |
| 336                                   | 50       | Bias                | 97.546     | 97.509      | -0.037 |
| 337                                   | 50       | Bias                | 97.502     | 97.466      | -0.036 |
| 338                                   | 50       | Unbiased            | 97.574     | 97.52       | -0.054 |
| 339                                   | 50       | Unbiased            | 97.541     | 97.484      | -0.057 |
| 340                                   | 50       | Unbiased            | 97.52      | 97.459      | -0.061 |
| 341                                   | 50       | Unbiased            | 97.566     | 97.508      | -0.058 |
| 342                                   | 50       | Unbiased            | 97.552     | 97.489      | -0.063 |
| 343                                   | 100      | Bias                | 97.545     | 97.48       | -0.065 |
| 344                                   | 100      | Bias                | 97.528     | 97.463      | -0.065 |
| 345                                   | 100      | Bias                | 97.562     | 97.491      | -0.071 |
| 346                                   | 100      | Bias                | 97.502     | 97.426      | -0.076 |
| 347                                   | 100      | Bias                | 97.522     | 97.451      | -0.071 |
| 348                                   | 100      | Unbiased            | 97.542     | 97.428      | -0.114 |
| 349                                   | 100      | Unbiased            | 97.548     | 97.443      | -0.105 |
| 350                                   | 100      | Unbiased            | 97.543     | 97.42       | -0.123 |
| 351                                   | 100      | Unbiased            | 97.502     | 97.372      | -0.13  |
| 352                                   | 100      | Unbiased            | 97.564     | 97.446      | -0.118 |

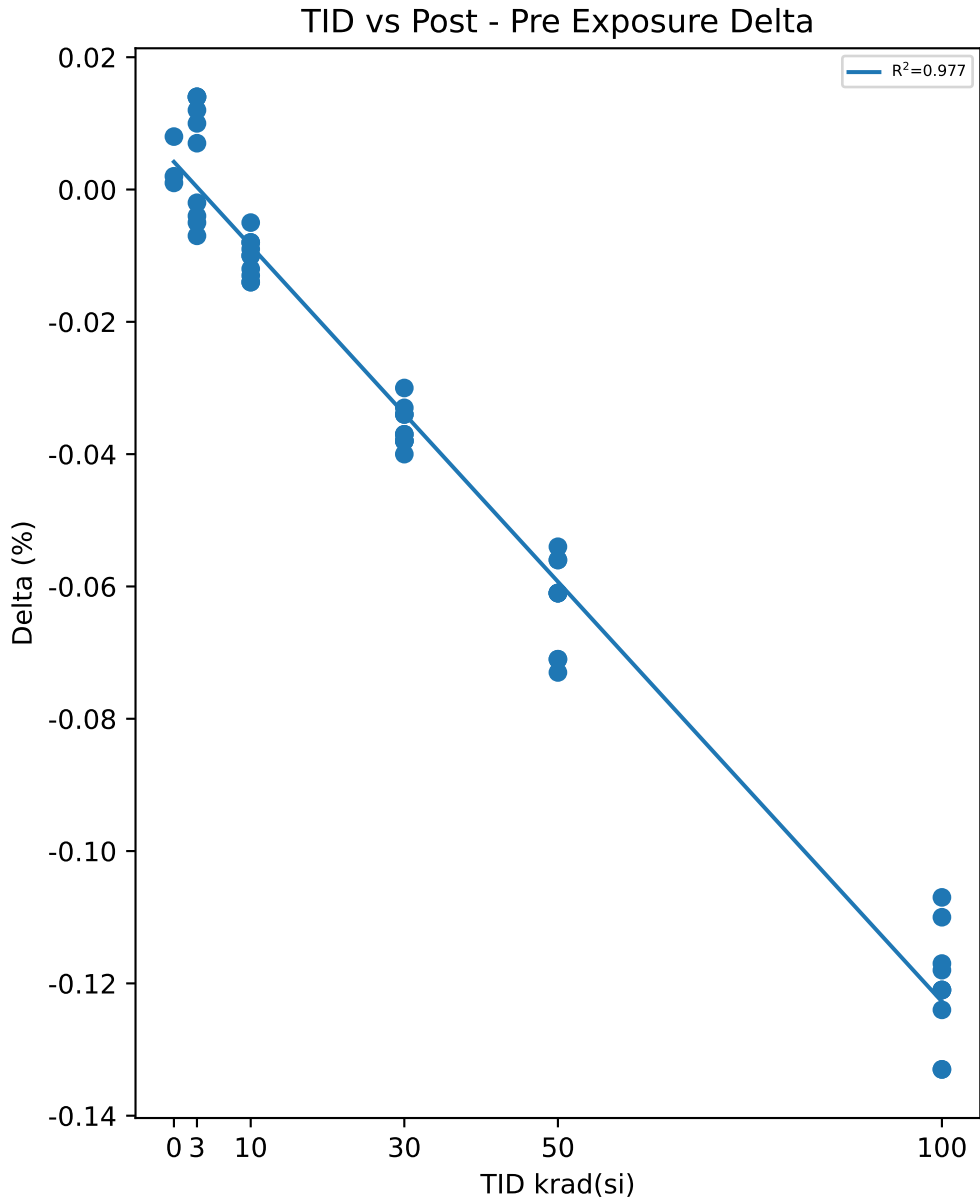
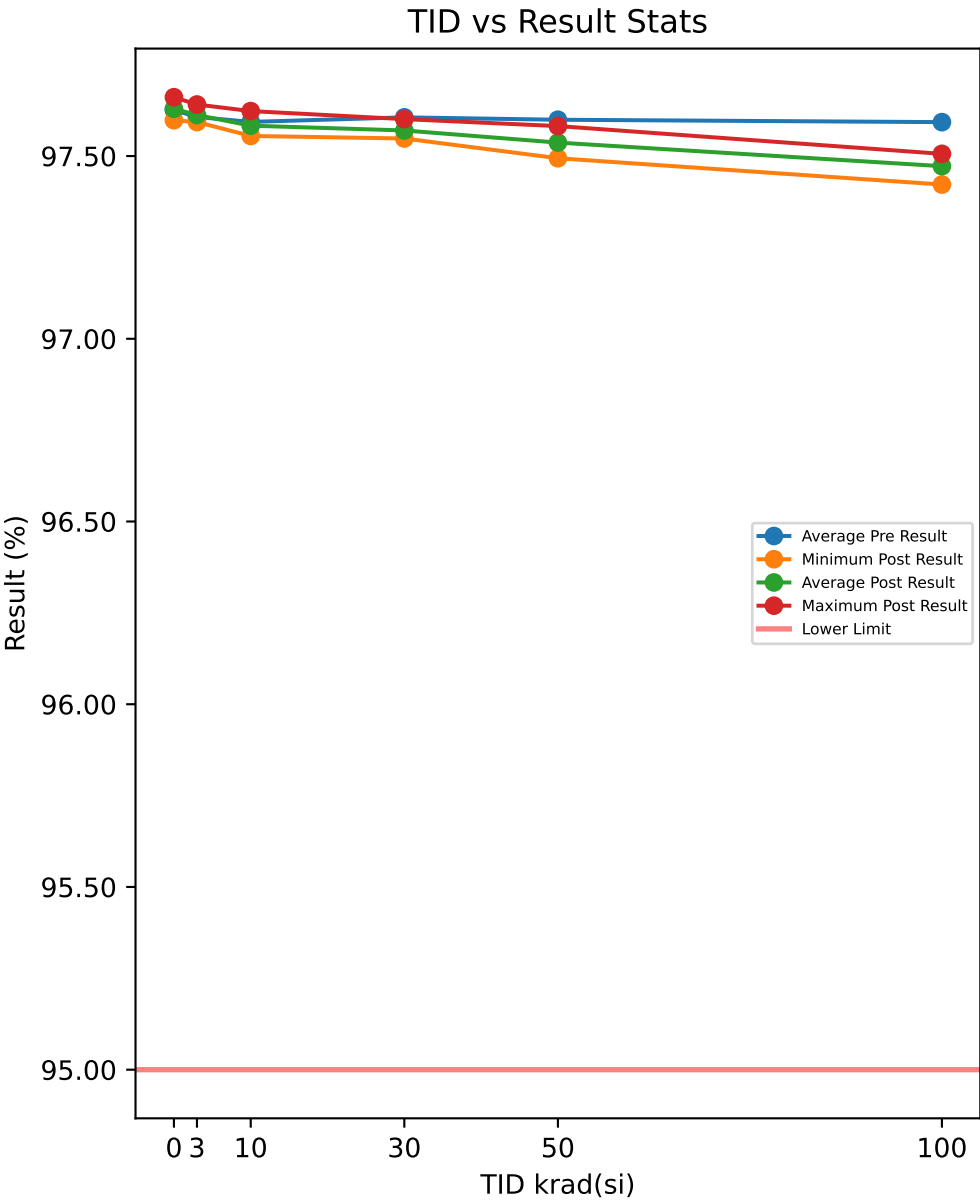
Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 97.527           | 97.57            | 97.619           | 0.046293         | 97.531            | 97.577            | 97.622            | 0.045508          | 0.003     | 0.007     | 0.014     | 0.0060828 |
| 3        | 97.523           | 97.552           | 97.604           | 0.028012         | 97.535            | 97.558            | 97.602            | 0.023321          | -0.007    | 0.0061    | 0.017     | 0.009291  |
| 10       | 97.515           | 97.54            | 97.584           | 0.020818         | 97.51             | 97.533            | 97.573            | 0.019984          | -0.011    | -0.0072   | -0.001    | 0.0031198 |
| 30       | 97.52            | 97.548           | 97.578           | 0.017415         | 97.488            | 97.522            | 97.566            | 0.022399          | -0.043    | -0.0256   | -0.012    | 0.012747  |
| 50       | 97.502           | 97.543           | 97.577           | 0.025199         | 97.459            | 97.497            | 97.551            | 0.026982          | -0.063    | -0.0458   | -0.026    | 0.013998  |
| 100      | 97.502           | 97.536           | 97.564           | 0.021964         | 97.372            | 97.442            | 97.491            | 0.033698          | -0.13     | -0.0938   | -0.065    | 0.026452  |



| Test Results (Lower Limit = 95.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 97.49      | 97.5        | 0.01   |
| 301                                   | 0        | Correlation         | 97.539     | 97.543      | 0.004  |
| 302                                   | 0        | Correlation         | 97.471     | 97.473      | 0.002  |
| 303                                   | 3        | Bias                | 97.449     | 97.47       | 0.021  |
| 304                                   | 3        | Bias                | 97.448     | 97.469      | 0.021  |
| 305                                   | 3        | Bias                | 97.466     | 97.486      | 0.02   |
| 306                                   | 3        | Bias                | 97.461     | 97.479      | 0.018  |
| 307                                   | 3        | Bias                | 97.443     | 97.462      | 0.019  |
| 308                                   | 3        | Unbiased            | 97.467     | 97.482      | 0.015  |
| 309                                   | 3        | Unbiased            | 97.48      | 97.476      | -0.004 |
| 310                                   | 3        | Unbiased            | 97.474     | 97.466      | -0.008 |
| 311                                   | 3        | Unbiased            | 97.527     | 97.524      | -0.003 |
| 312                                   | 3        | Unbiased            | 97.527     | 97.524      | -0.003 |
| 313                                   | 10       | Bias                | 97.483     | 97.467      | -0.016 |
| 314                                   | 10       | Bias                | 97.471     | 97.456      | -0.015 |
| 315                                   | 10       | Bias                | 97.442     | 97.421      | -0.021 |
| 316                                   | 10       | Bias                | 97.518     | 97.501      | -0.017 |
| 317                                   | 10       | Bias                | 97.451     | 97.434      | -0.017 |
| 318                                   | 10       | Unbiased            | 97.479     | 97.467      | -0.012 |
| 319                                   | 10       | Unbiased            | 97.455     | 97.448      | -0.007 |
| 320                                   | 10       | Unbiased            | 97.462     | 97.453      | -0.009 |
| 321                                   | 10       | Unbiased            | 97.466     | 97.45       | -0.016 |
| 322                                   | 10       | Unbiased            | 97.47      | 97.457      | -0.013 |
| 323                                   | 30       | Bias                | 97.474     | 97.424      | -0.05  |
| 324                                   | 30       | Bias                | 97.488     | 97.443      | -0.045 |
| 325                                   | 30       | Bias                | 97.464     | 97.41       | -0.054 |
| 326                                   | 30       | Bias                | 97.504     | 97.457      | -0.047 |
| 327                                   | 30       | Bias                | 97.463     | 97.412      | -0.051 |
| 328                                   | 30       | Unbiased            | 97.485     | 97.44       | -0.045 |
| 329                                   | 30       | Unbiased            | 97.474     | 97.433      | -0.041 |
| 330                                   | 30       | Unbiased            | 97.507     | 97.458      | -0.049 |
| 331                                   | 30       | Unbiased            | 97.476     | 97.423      | -0.053 |
| 332                                   | 30       | Unbiased            | 97.466     | 97.415      | -0.051 |
| 333                                   | 50       | Bias                | 97.523     | 97.451      | -0.072 |
| 334                                   | 50       | Bias                | 97.464     | 97.384      | -0.08  |
| 335                                   | 50       | Bias                | 97.462     | 97.369      | -0.093 |
| 336                                   | 50       | Bias                | 97.478     | 97.383      | -0.095 |
| 337                                   | 50       | Bias                | 97.439     | 97.347      | -0.092 |
| 338                                   | 50       | Unbiased            | 97.515     | 97.444      | -0.071 |
| 339                                   | 50       | Unbiased            | 97.455     | 97.388      | -0.067 |
| 340                                   | 50       | Unbiased            | 97.457     | 97.385      | -0.072 |
| 341                                   | 50       | Unbiased            | 97.479     | 97.408      | -0.071 |
| 342                                   | 50       | Unbiased            | 97.466     | 97.393      | -0.073 |
| 343                                   | 100      | Bias                | 97.475     | 97.334      | -0.141 |
| 344                                   | 100      | Bias                | 97.463     | 97.319      | -0.144 |
| 345                                   | 100      | Bias                | 97.482     | 97.323      | -0.159 |
| 346                                   | 100      | Bias                | 97.417     | 97.254      | -0.163 |
| 347                                   | 100      | Bias                | 97.445     | 97.295      | -0.15  |
| 348                                   | 100      | Unbiased            | 97.471     | 97.331      | -0.14  |
| 349                                   | 100      | Unbiased            | 97.47      | 97.339      | -0.131 |
| 350                                   | 100      | Unbiased            | 97.463     | 97.309      | -0.154 |
| 351                                   | 100      | Unbiased            | 97.441     | 97.282      | -0.159 |
| 352                                   | 100      | Unbiased            | 97.491     | 97.345      | -0.146 |

| Test Statistics (%) |                  |                  |                  |                  |                   |                   |                   |                   |           |           |           |           |
|---------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| krad(si)            | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
| 0                   | 97.471           | 97.5             | 97.539           | 0.035086         | 97.473            | 97.505            | 97.543            | 0.035303          | 0.002     | 0.0053333 | 0.01      | 0.0041633 |
| 3                   | 97.443           | 97.474           | 97.527           | 0.03018          | 97.462            | 97.484            | 97.524            | 0.022424          | -0.008    | 0.0096    | 0.021     | 0.012331  |
| 10                  | 97.442           | 97.47            | 97.518           | 0.021093         | 97.421            | 97.455            | 97.501            | 0.021298          | -0.021    | -0.0143   | -0.007    | 0.0041379 |
| 30                  | 97.463           | 97.48            | 97.507           | 0.015716         | 97.41             | 97.431            | 97.458            | 0.017646          | -0.054    | -0.0486   | -0.041    | 0.0040607 |
| 50                  | 97.439           | 97.474           | 97.523           | 0.026469         | 97.347            | 97.395            | 97.451            | 0.031804          | -0.095    | -0.0786   | -0.067    | 0.010679  |
| 100                 | 97.417           | 97.462           | 97.491           | 0.021888         | 97.254            | 97.313            | 97.345            | 0.028641          | -0.163    | -0.1487   | -0.131    | 0.010133  |



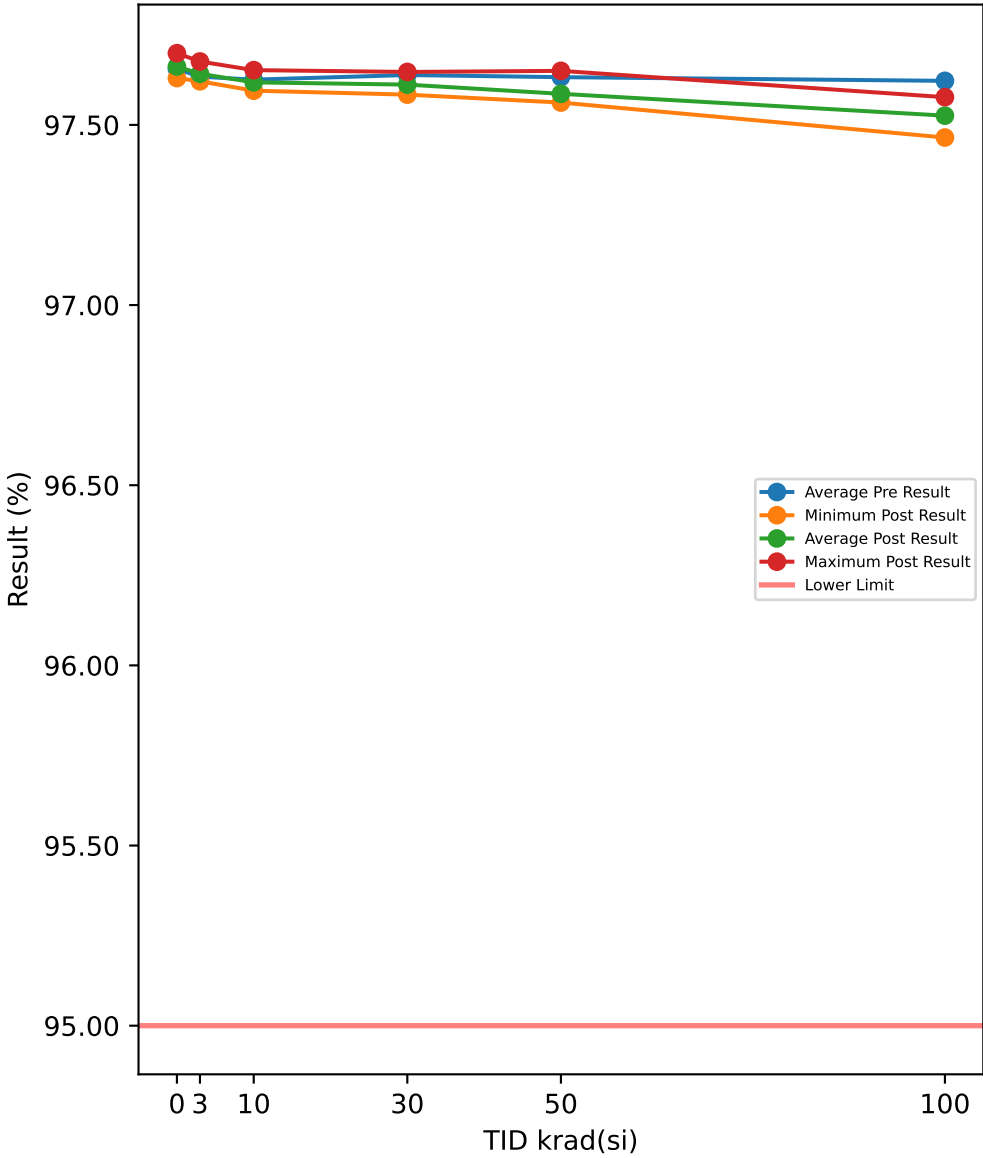
| Test Results (Lower Limit = 95.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 97.621     | 97.629      | 0.008  |
| 301                                   | 0        | Correlation         | 97.659     | 97.661      | 0.002  |
| 302                                   | 0        | Correlation         | 97.597     | 97.598      | 0.001  |
| 303                                   | 3        | Bias                | 97.599     | 97.613      | 0.014  |
| 304                                   | 3        | Bias                | 97.588     | 97.602      | 0.014  |
| 305                                   | 3        | Bias                | 97.611     | 97.621      | 0.01   |
| 306                                   | 3        | Bias                | 97.589     | 97.601      | 0.012  |
| 307                                   | 3        | Bias                | 97.585     | 97.599      | 0.014  |
| 308                                   | 3        | Unbiased            | 97.602     | 97.609      | 0.007  |
| 309                                   | 3        | Unbiased            | 97.608     | 97.604      | -0.004 |
| 310                                   | 3        | Unbiased            | 97.6       | 97.593      | -0.007 |
| 311                                   | 3        | Unbiased            | 97.642     | 97.64       | -0.002 |
| 312                                   | 3        | Unbiased            | 97.646     | 97.641      | -0.005 |
| 313                                   | 10       | Bias                | 97.61      | 97.596      | -0.014 |
| 314                                   | 10       | Bias                | 97.602     | 97.592      | -0.01  |
| 315                                   | 10       | Bias                | 97.568     | 97.555      | -0.013 |
| 316                                   | 10       | Bias                | 97.635     | 97.623      | -0.012 |
| 317                                   | 10       | Bias                | 97.576     | 97.562      | -0.014 |
| 318                                   | 10       | Unbiased            | 97.613     | 97.605      | -0.008 |
| 319                                   | 10       | Unbiased            | 97.581     | 97.576      | -0.005 |
| 320                                   | 10       | Unbiased            | 97.579     | 97.57       | -0.009 |
| 321                                   | 10       | Unbiased            | 97.577     | 97.569      | -0.008 |
| 322                                   | 10       | Unbiased            | 97.593     | 97.583      | -0.01  |
| 323                                   | 30       | Bias                | 97.612     | 97.575      | -0.037 |
| 324                                   | 30       | Bias                | 97.602     | 97.568      | -0.034 |
| 325                                   | 30       | Bias                | 97.588     | 97.548      | -0.04  |
| 326                                   | 30       | Bias                | 97.629     | 97.596      | -0.033 |
| 327                                   | 30       | Bias                | 97.589     | 97.552      | -0.037 |
| 328                                   | 30       | Unbiased            | 97.609     | 97.575      | -0.034 |
| 329                                   | 30       | Unbiased            | 97.601     | 97.571      | -0.03  |
| 330                                   | 30       | Unbiased            | 97.639     | 97.601      | -0.038 |
| 331                                   | 30       | Unbiased            | 97.596     | 97.558      | -0.038 |
| 332                                   | 30       | Unbiased            | 97.594     | 97.556      | -0.038 |
| 333                                   | 50       | Bias                | 97.638     | 97.582      | -0.056 |
| 334                                   | 50       | Bias                | 97.577     | 97.516      | -0.061 |
| 335                                   | 50       | Bias                | 97.587     | 97.516      | -0.071 |
| 336                                   | 50       | Bias                | 97.608     | 97.535      | -0.073 |
| 337                                   | 50       | Bias                | 97.565     | 97.494      | -0.071 |
| 338                                   | 50       | Unbiased            | 97.629     | 97.575      | -0.054 |
| 339                                   | 50       | Unbiased            | 97.594     | 97.538      | -0.056 |
| 340                                   | 50       | Unbiased            | 97.59      | 97.529      | -0.061 |
| 341                                   | 50       | Unbiased            | 97.612     | 97.551      | -0.061 |
| 342                                   | 50       | Unbiased            | 97.593     | 97.532      | -0.061 |
| 343                                   | 100      | Bias                | 97.61      | 97.492      | -0.118 |
| 344                                   | 100      | Bias                | 97.593     | 97.476      | -0.117 |
| 345                                   | 100      | Bias                | 97.617     | 97.484      | -0.133 |
| 346                                   | 100      | Bias                | 97.555     | 97.422      | -0.133 |
| 347                                   | 100      | Bias                | 97.582     | 97.461      | -0.121 |
| 348                                   | 100      | Unbiased            | 97.601     | 97.491      | -0.11  |
| 349                                   | 100      | Unbiased            | 97.592     | 97.485      | -0.107 |
| 350                                   | 100      | Unbiased            | 97.589     | 97.468      | -0.121 |
| 351                                   | 100      | Unbiased            | 97.562     | 97.438      | -0.124 |
| 352                                   | 100      | Unbiased            | 97.627     | 97.506      | -0.121 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 97.597           | 97.626           | 97.659           | 0.031262         | 97.598            | 97.629            | 97.661            | 0.031501          | 0.001     | 0.0036667 | 0.008     | 0.0037859 |
| 3        | 97.585           | 97.607           | 97.646           | 0.021266         | 97.593            | 97.612            | 97.641            | 0.016767          | -0.007    | 0.0053    | 0.014     | 0.0087819 |
| 10       | 97.568           | 97.593           | 97.635           | 0.021193         | 97.555            | 97.583            | 97.623            | 0.02101           | -0.014    | -0.0103   | -0.005    | 0.0029458 |
| 30       | 97.588           | 97.606           | 97.639           | 0.016868         | 97.548            | 97.57             | 97.601            | 0.017764          | -0.04     | -0.0359   | -0.03     | 0.003035  |
| 50       | 97.565           | 97.599           | 97.638           | 0.022598         | 97.494            | 97.537            | 97.582            | 0.026853          | -0.073    | -0.0625   | -0.054    | 0.0068354 |
| 100      | 97.555           | 97.593           | 97.627           | 0.022675         | 97.422            | 97.472            | 97.506            | 0.025902          | -0.133    | -0.1205   | -0.107    | 0.0084097 |

Device Test: 6.44 ; VOH\_RESET\_2MA

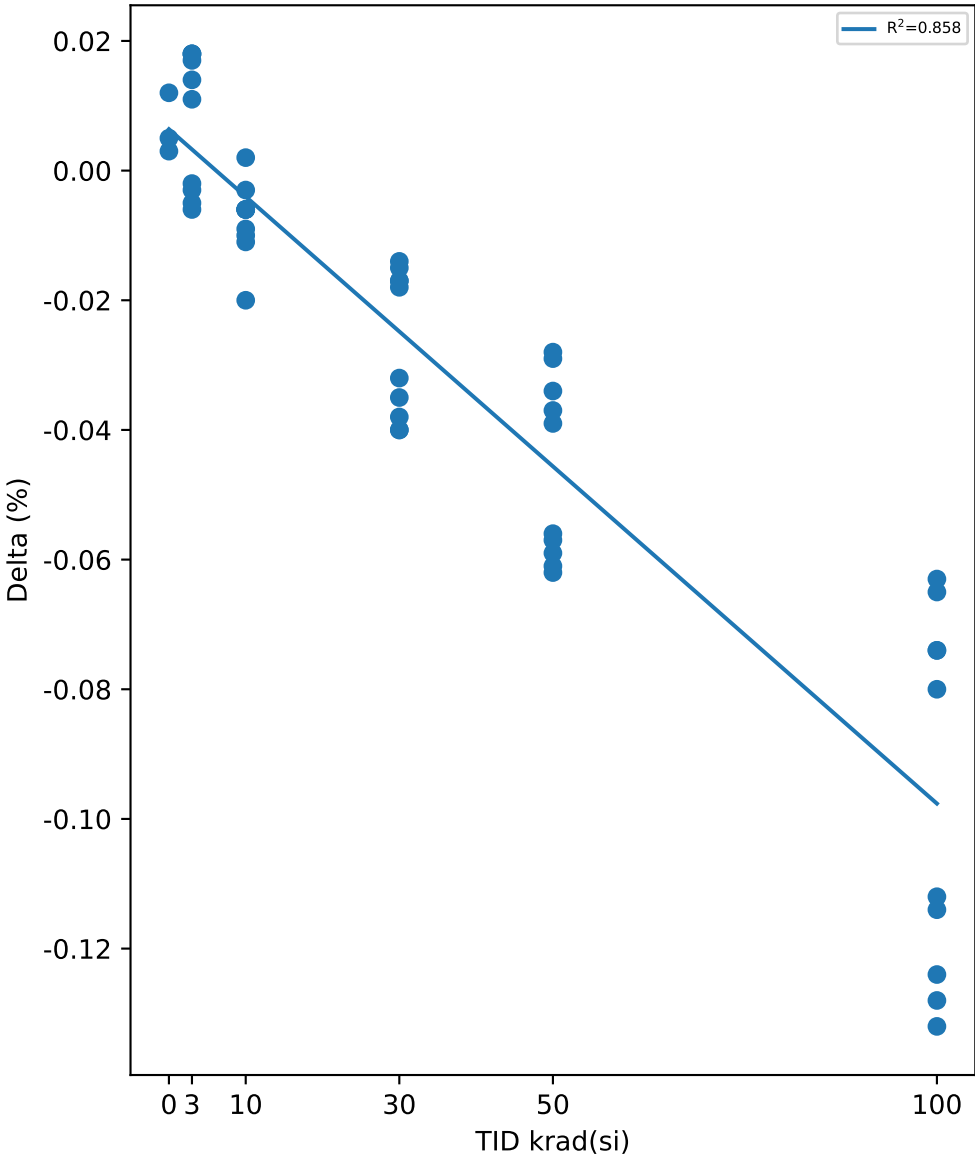
TID vs Result Stats



Test Results (Lower Limit = 95.0 (%))

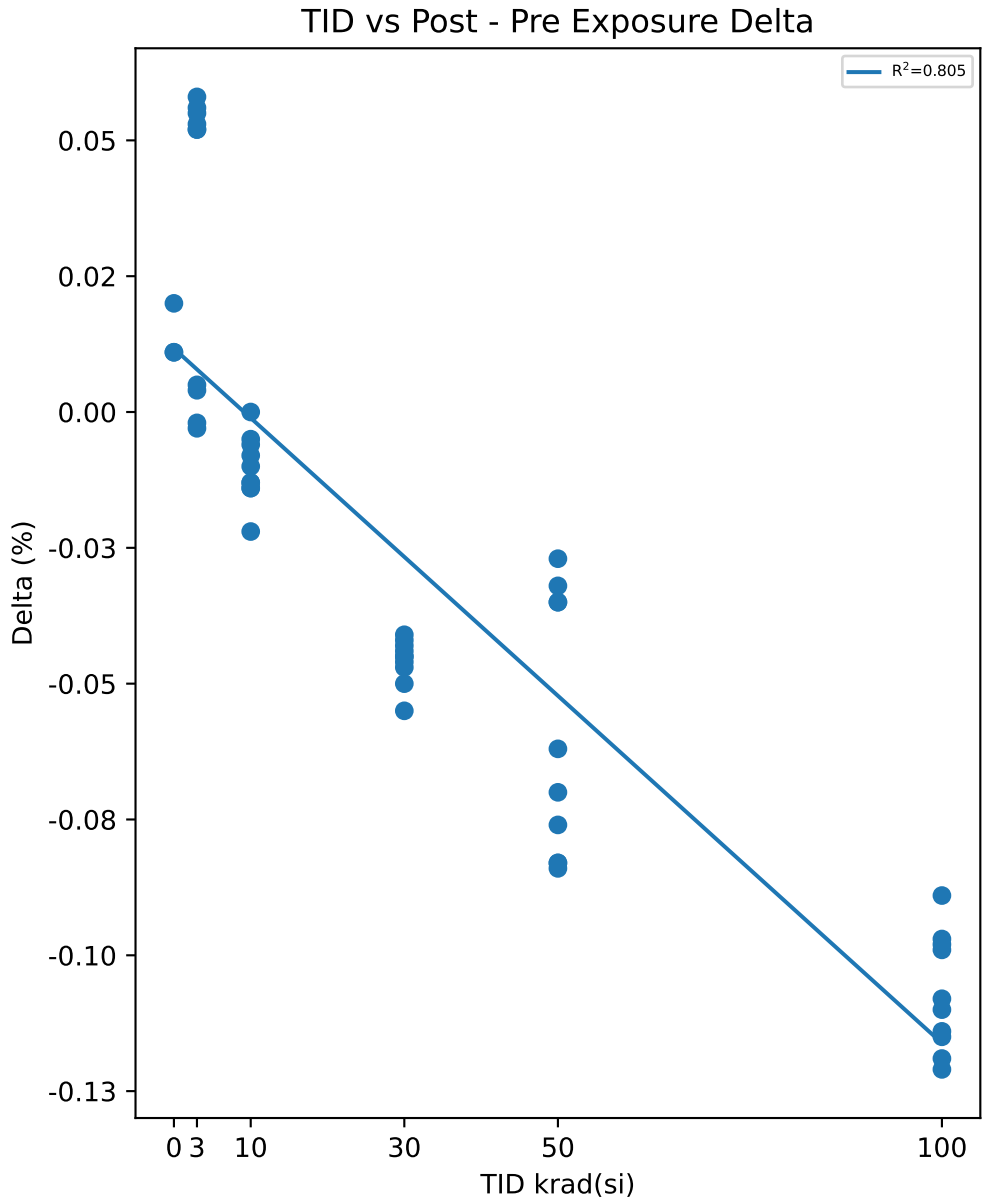
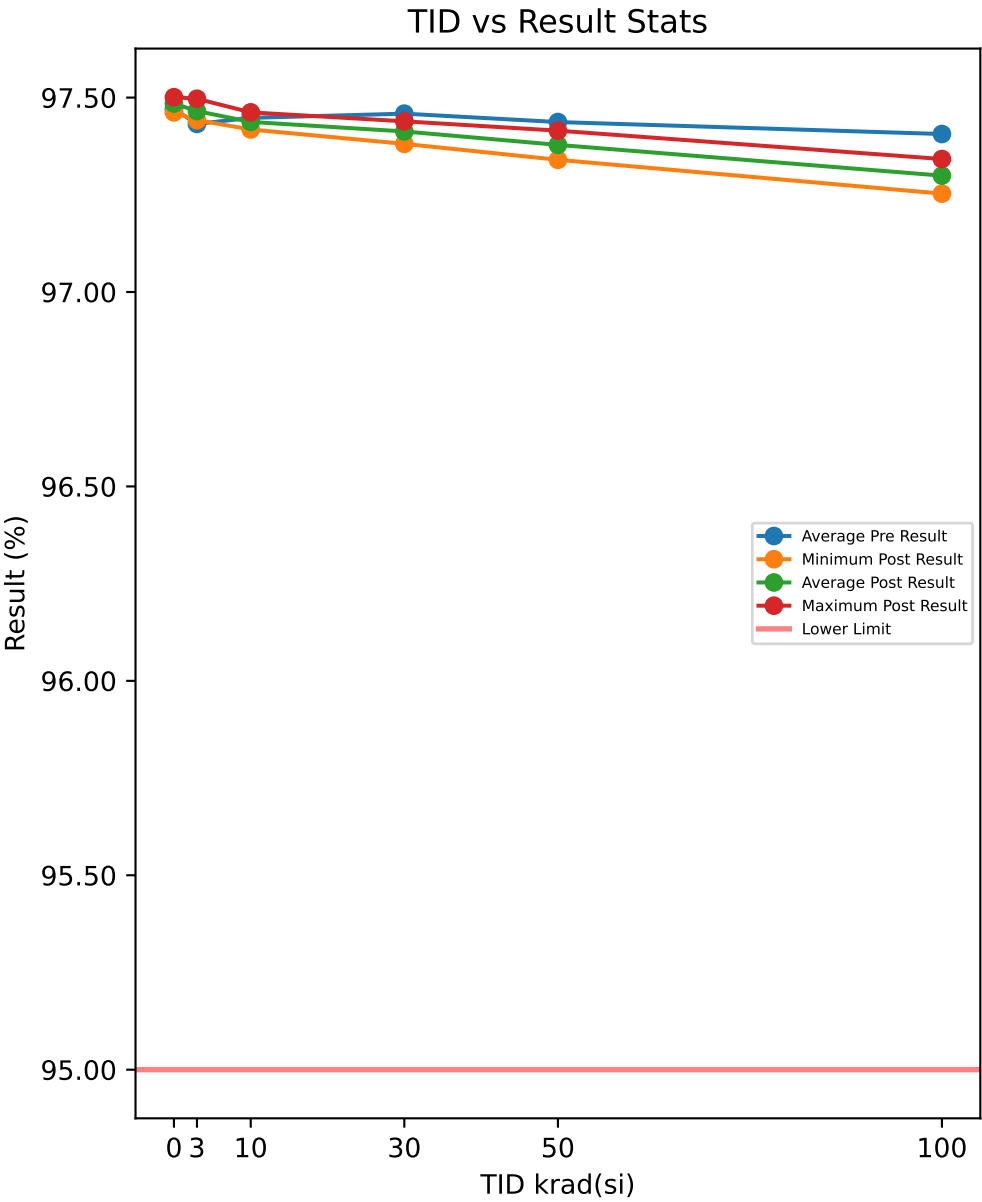
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 97.645     | 97.657      | 0.012  |
| 301      | 0        | Correlation         | 97.694     | 97.699      | 0.005  |
| 302      | 0        | Correlation         | 97.627     | 97.63       | 0.003  |
| 303      | 3        | Bias                | 97.617     | 97.635      | 0.018  |
| 304      | 3        | Bias                | 97.617     | 97.635      | 0.018  |
| 305      | 3        | Bias                | 97.636     | 97.654      | 0.018  |
| 306      | 3        | Bias                | 97.622     | 97.636      | 0.014  |
| 307      | 3        | Bias                | 97.604     | 97.621      | 0.017  |
| 308      | 3        | Unbiased            | 97.621     | 97.632      | 0.011  |
| 309      | 3        | Unbiased            | 97.641     | 97.635      | -0.006 |
| 310      | 3        | Unbiased            | 97.626     | 97.621      | -0.005 |
| 311      | 3        | Unbiased            | 97.677     | 97.674      | -0.003 |
| 312      | 3        | Unbiased            | 97.678     | 97.676      | -0.002 |
| 313      | 10       | Bias                | 97.65      | 97.644      | -0.006 |
| 314      | 10       | Bias                | 97.636     | 97.633      | -0.003 |
| 315      | 10       | Bias                | 97.601     | 97.595      | -0.006 |
| 316      | 10       | Bias                | 97.663     | 97.652      | -0.011 |
| 317      | 10       | Bias                | 97.607     | 97.601      | -0.006 |
| 318      | 10       | Unbiased            | 97.646     | 97.637      | -0.009 |
| 319      | 10       | Unbiased            | 97.611     | 97.605      | -0.006 |
| 320      | 10       | Unbiased            | 97.605     | 97.607      | 0.002  |
| 321      | 10       | Unbiased            | 97.615     | 97.595      | -0.02  |
| 322      | 10       | Unbiased            | 97.622     | 97.612      | -0.01  |
| 323      | 30       | Bias                | 97.64      | 97.622      | -0.018 |
| 324      | 30       | Bias                | 97.642     | 97.628      | -0.014 |
| 325      | 30       | Bias                | 97.617     | 97.6        | -0.017 |
| 326      | 30       | Bias                | 97.662     | 97.647      | -0.015 |
| 327      | 30       | Bias                | 97.624     | 97.607      | -0.017 |
| 328      | 30       | Unbiased            | 97.643     | 97.608      | -0.035 |
| 329      | 30       | Unbiased            | 97.632     | 97.6        | -0.032 |
| 330      | 30       | Unbiased            | 97.674     | 97.634      | -0.04  |
| 331      | 30       | Unbiased            | 97.626     | 97.588      | -0.038 |
| 332      | 30       | Unbiased            | 97.624     | 97.584      | -0.04  |
| 333      | 50       | Bias                | 97.678     | 97.65       | -0.028 |
| 334      | 50       | Bias                | 97.606     | 97.577      | -0.029 |
| 335      | 50       | Bias                | 97.623     | 97.589      | -0.034 |
| 336      | 50       | Bias                | 97.643     | 97.604      | -0.039 |
| 337      | 50       | Bias                | 97.603     | 97.566      | -0.037 |
| 338      | 50       | Unbiased            | 97.664     | 97.607      | -0.057 |
| 339      | 50       | Unbiased            | 97.623     | 97.567      | -0.056 |
| 340      | 50       | Unbiased            | 97.623     | 97.562      | -0.061 |
| 341      | 50       | Unbiased            | 97.635     | 97.576      | -0.059 |
| 342      | 50       | Unbiased            | 97.627     | 97.565      | -0.062 |
| 343      | 100      | Bias                | 97.64      | 97.577      | -0.063 |
| 344      | 100      | Bias                | 97.623     | 97.558      | -0.065 |
| 345      | 100      | Bias                | 97.645     | 97.571      | -0.074 |
| 346      | 100      | Bias                | 97.583     | 97.503      | -0.08  |
| 347      | 100      | Bias                | 97.613     | 97.539      | -0.074 |
| 348      | 100      | Unbiased            | 97.629     | 97.515      | -0.114 |
| 349      | 100      | Unbiased            | 97.62      | 97.508      | -0.112 |
| 350      | 100      | Unbiased            | 97.619     | 97.491      | -0.128 |
| 351      | 100      | Unbiased            | 97.597     | 97.465      | -0.132 |
| 352      | 100      | Unbiased            | 97.654     | 97.53       | -0.124 |

TID vs Post - Pre Exposure Delta



Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 97.627           | 97.655           | 97.694           | 0.034675         | 97.63             | 97.662            | 97.699            | 0.034771          | 0.003     | 0.0066667 | 0.012     | 0.0047258 |
| 3        | 97.604           | 97.634           | 97.678           | 0.02515          | 97.621            | 97.642            | 97.676            | 0.019689          | -0.006    | 0.008     | 0.018     | 0.010604  |
| 10       | 97.601           | 97.626           | 97.663           | 0.021686         | 97.595            | 97.618            | 97.652            | 0.02132           | -0.02     | -0.0075   | 0.002     | 0.0057397 |
| 30       | 97.617           | 97.638           | 97.674           | 0.018038         | 97.584            | 97.612            | 97.647            | 0.020422          | -0.04     | -0.0266   | -0.014    | 0.011257  |
| 50       | 97.603           | 97.633           | 97.678           | 0.023694         | 97.562            | 97.586            | 97.65             | 0.027544          | -0.062    | -0.0462   | -0.028    | 0.013975  |
| 100      | 97.583           | 97.622           | 97.654           | 0.021515         | 97.465            | 97.526            | 97.577            | 0.036139          | -0.132    | -0.0966   | -0.063    | 0.027798  |

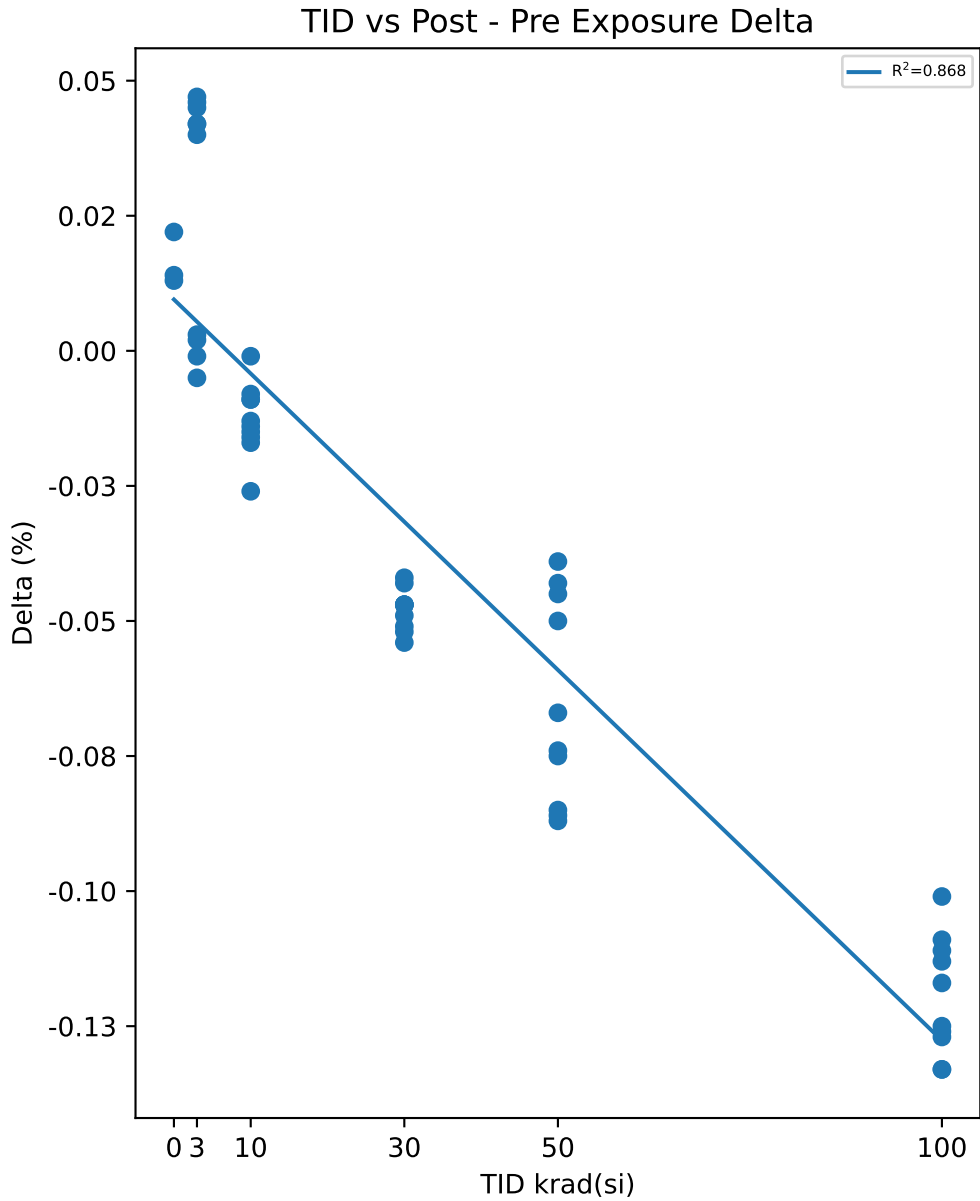
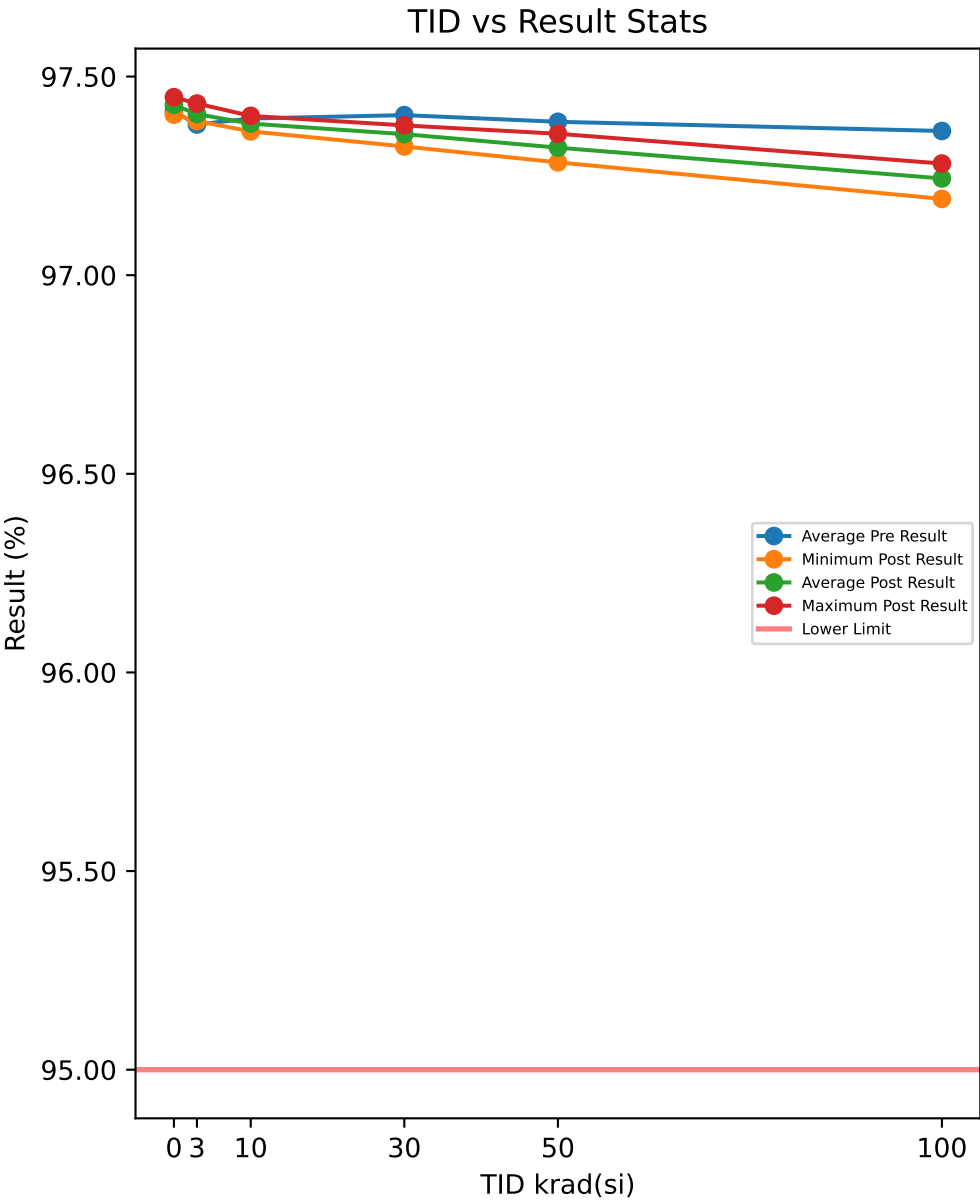


| Test Results (Lower Limit = 95.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 97.471     | 97.491      | 0.02   |
| 301                                   | 0        | Correlation         | 97.49      | 97.501      | 0.011  |
| 302                                   | 0        | Correlation         | 97.451     | 97.462      | 0.011  |
| 303                                   | 3        | Bias                | 97.401     | 97.459      | 0.058  |
| 304                                   | 3        | Bias                | 97.399     | 97.454      | 0.055  |
| 305                                   | 3        | Bias                | 97.428     | 97.48       | 0.052  |
| 306                                   | 3        | Bias                | 97.409     | 97.462      | 0.053  |
| 307                                   | 3        | Bias                | 97.386     | 97.442      | 0.056  |
| 308                                   | 3        | Unbiased            | 97.417     | 97.469      | 0.052  |
| 309                                   | 3        | Unbiased            | 97.456     | 97.454      | -0.002 |
| 310                                   | 3        | Unbiased            | 97.45      | 97.447      | -0.003 |
| 311                                   | 3        | Unbiased            | 97.492     | 97.497      | 0.005  |
| 312                                   | 3        | Unbiased            | 97.485     | 97.489      | 0.004  |
| 313                                   | 10       | Bias                | 97.467     | 97.462      | -0.005 |
| 314                                   | 10       | Bias                | 97.463     | 97.45       | -0.013 |
| 315                                   | 10       | Bias                | 97.44      | 97.426      | -0.014 |
| 316                                   | 10       | Bias                | 97.464     | 97.45       | -0.014 |
| 317                                   | 10       | Bias                | 97.449     | 97.436      | -0.013 |
| 318                                   | 10       | Unbiased            | 97.453     | 97.445      | -0.008 |
| 319                                   | 10       | Unbiased            | 97.439     | 97.433      | -0.006 |
| 320                                   | 10       | Unbiased            | 97.428     | 97.428      | 0      |
| 321                                   | 10       | Unbiased            | 97.44      | 97.418      | -0.022 |
| 322                                   | 10       | Unbiased            | 97.436     | 97.426      | -0.01  |
| 323                                   | 30       | Bias                | 97.458     | 97.413      | -0.045 |
| 324                                   | 30       | Bias                | 97.469     | 97.427      | -0.042 |
| 325                                   | 30       | Bias                | 97.436     | 97.381      | -0.055 |
| 326                                   | 30       | Bias                | 97.473     | 97.428      | -0.045 |
| 327                                   | 30       | Bias                | 97.458     | 97.411      | -0.047 |
| 328                                   | 30       | Unbiased            | 97.471     | 97.428      | -0.043 |
| 329                                   | 30       | Unbiased            | 97.45      | 97.409      | -0.041 |
| 330                                   | 30       | Unbiased            | 97.483     | 97.439      | -0.044 |
| 331                                   | 30       | Unbiased            | 97.451     | 97.401      | -0.05  |
| 332                                   | 30       | Unbiased            | 97.438     | 97.392      | -0.046 |
| 333                                   | 50       | Bias                | 97.485     | 97.415      | -0.07  |
| 334                                   | 50       | Bias                | 97.423     | 97.347      | -0.076 |
| 335                                   | 50       | Bias                | 97.448     | 97.364      | -0.084 |
| 336                                   | 50       | Bias                | 97.457     | 97.374      | -0.083 |
| 337                                   | 50       | Bias                | 97.423     | 97.34       | -0.083 |
| 338                                   | 50       | Unbiased            | 97.473     | 97.411      | -0.062 |
| 339                                   | 50       | Unbiased            | 97.421     | 97.394      | -0.027 |
| 340                                   | 50       | Unbiased            | 97.399     | 97.364      | -0.035 |
| 341                                   | 50       | Unbiased            | 97.428     | 97.393      | -0.035 |
| 342                                   | 50       | Unbiased            | 97.414     | 97.382      | -0.032 |
| 343                                   | 100      | Bias                | 97.419     | 97.321      | -0.098 |
| 344                                   | 100      | Bias                | 97.409     | 97.312      | -0.097 |
| 345                                   | 100      | Bias                | 97.416     | 97.302      | -0.114 |
| 346                                   | 100      | Bias                | 97.374     | 97.253      | -0.121 |
| 347                                   | 100      | Bias                | 97.397     | 97.287      | -0.11  |
| 348                                   | 100      | Unbiased            | 97.407     | 97.308      | -0.099 |
| 349                                   | 100      | Unbiased            | 97.41      | 97.321      | -0.089 |
| 350                                   | 100      | Unbiased            | 97.404     | 97.289      | -0.115 |
| 351                                   | 100      | Unbiased            | 97.377     | 97.258      | -0.119 |
| 352                                   | 100      | Unbiased            | 97.45      | 97.342      | -0.108 |

Test Statistics (%)

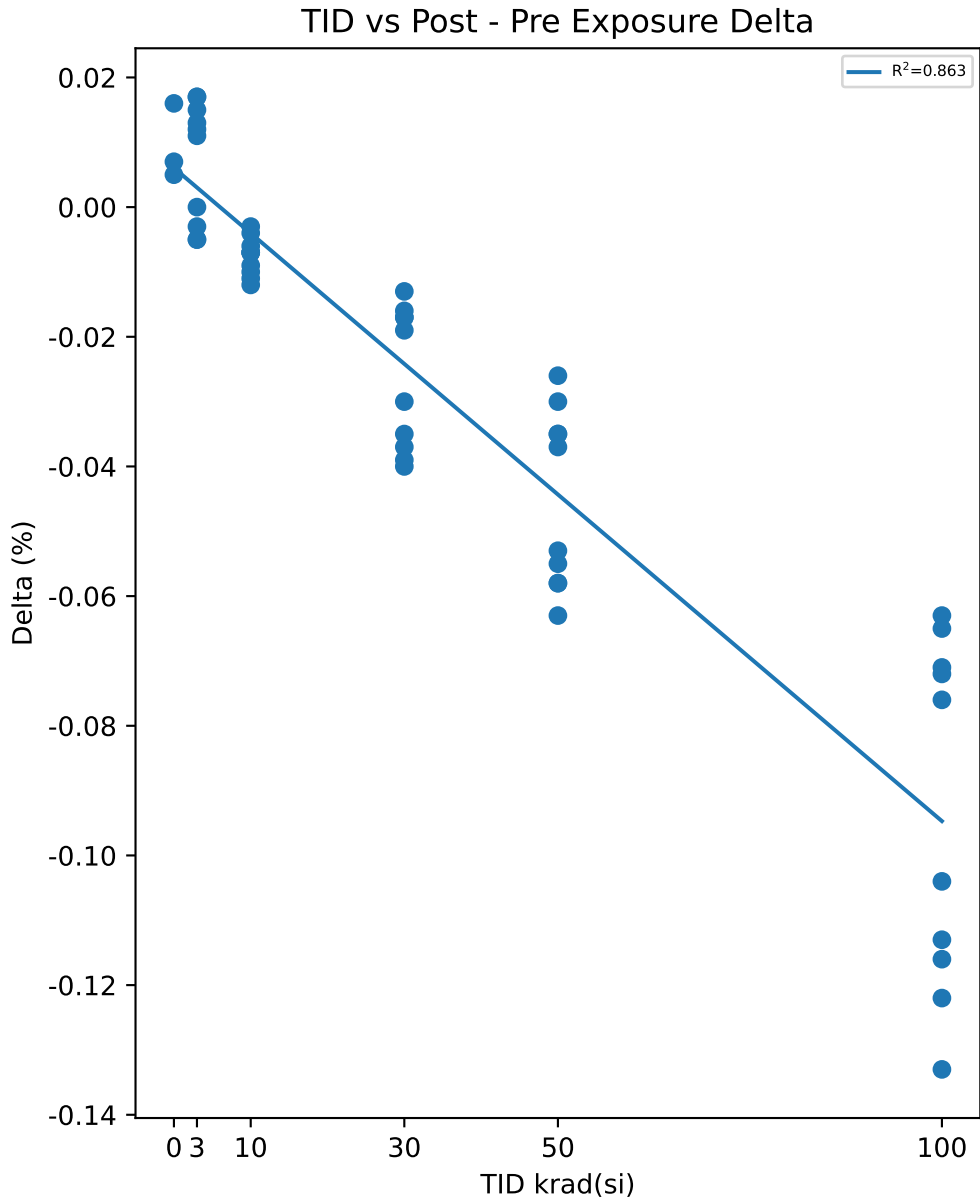
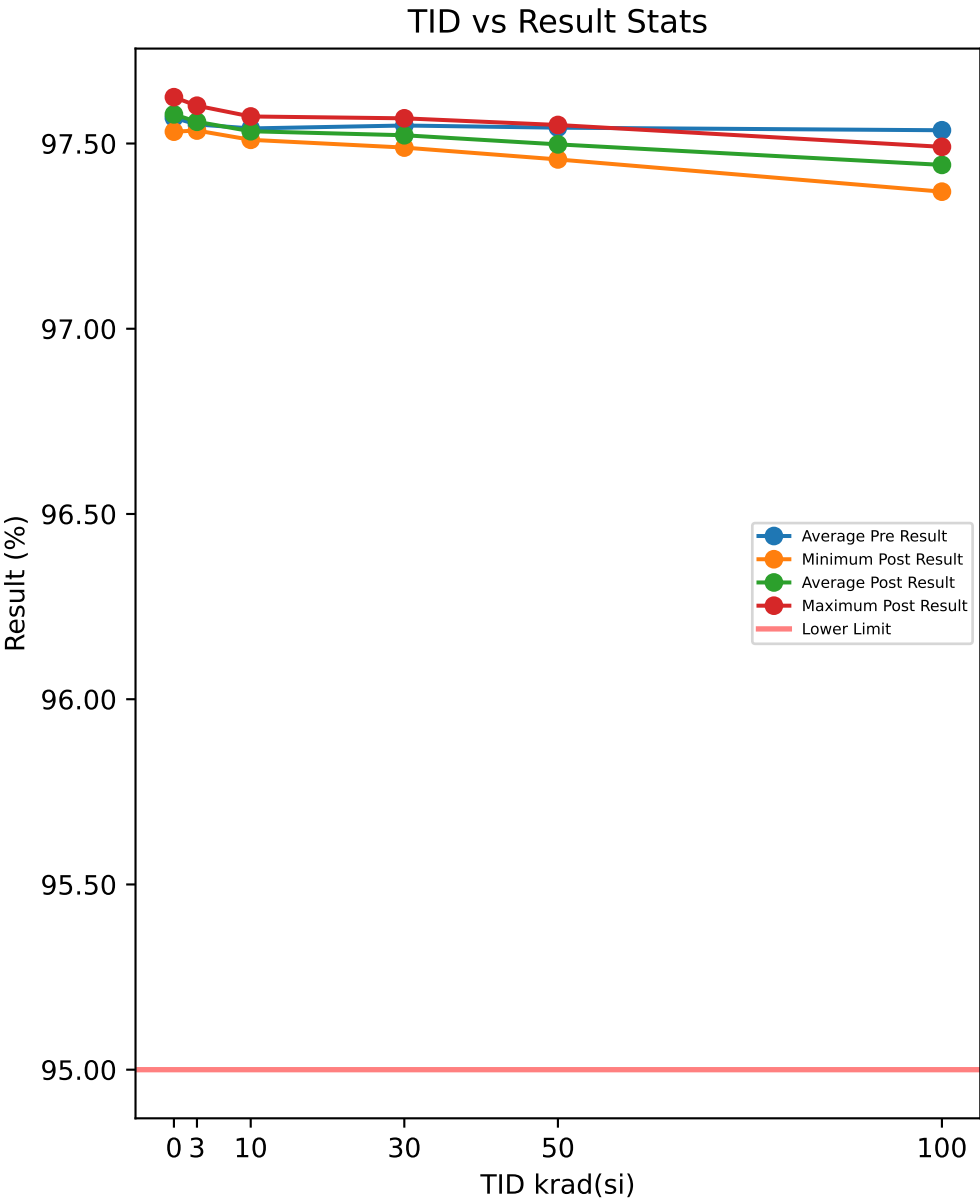
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 97.451           | 97.471           | 97.49            | 0.019502         | 97.462            | 97.485            | 97.501            | 0.020257          | 0.011     | 0.014     | 0.02      | 0.0051962 |
| 3        | 97.386           | 97.432           | 97.492           | 0.036884         | 97.442            | 97.465            | 97.497            | 0.018197          | -0.003    | 0.033     | 0.058     | 0.027701  |
| 10       | 97.428           | 97.448           | 97.467           | 0.01342          | 97.418            | 97.437            | 97.462            | 0.01385           | -0.022    | -0.0105   | 0         | 0.0061146 |
| 30       | 97.436           | 97.459           | 97.483           | 0.015392         | 97.381            | 97.413            | 97.439            | 0.018107          | -0.055    | -0.0458   | -0.041    | 0.0041312 |
| 50       | 97.399           | 97.437           | 97.485           | 0.027534         | 97.34             | 97.378            | 97.415            | 0.025312          | -0.084    | -0.0587   | -0.027    | 0.023805  |
| 100      | 97.374           | 97.406           | 97.45            | 0.021551         | 97.253            | 97.299            | 97.342            | 0.028119          | -0.121    | -0.107    | -0.089    | 0.010708  |





| Test Results (Lower Limit = 95.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 97.412     | 97.434      | 0.022  |
| 301                                   | 0        | Correlation         | 97.435     | 97.448      | 0.013  |
| 302                                   | 0        | Correlation         | 97.39      | 97.404      | 0.014  |
| 303                                   | 3        | Bias                | 97.346     | 97.393      | 0.047  |
| 304                                   | 3        | Bias                | 97.349     | 97.394      | 0.045  |
| 305                                   | 3        | Bias                | 97.375     | 97.417      | 0.042  |
| 306                                   | 3        | Bias                | 97.37      | 97.412      | 0.042  |
| 307                                   | 3        | Bias                | 97.342     | 97.388      | 0.046  |
| 308                                   | 3        | Unbiased            | 97.362     | 97.402      | 0.04   |
| 309                                   | 3        | Unbiased            | 97.397     | 97.396      | -0.001 |
| 310                                   | 3        | Unbiased            | 97.396     | 97.391      | -0.005 |
| 311                                   | 3        | Unbiased            | 97.43      | 97.432      | 0.002  |
| 312                                   | 3        | Unbiased            | 97.427     | 97.43       | 0.003  |
| 313                                   | 10       | Bias                | 97.409     | 97.4        | -0.009 |
| 314                                   | 10       | Bias                | 97.406     | 97.393      | -0.013 |
| 315                                   | 10       | Bias                | 97.378     | 97.362      | -0.016 |
| 316                                   | 10       | Bias                | 97.418     | 97.401      | -0.017 |
| 317                                   | 10       | Bias                | 97.39      | 97.375      | -0.015 |
| 318                                   | 10       | Unbiased            | 97.395     | 97.386      | -0.009 |
| 319                                   | 10       | Unbiased            | 97.389     | 97.381      | -0.008 |
| 320                                   | 10       | Unbiased            | 97.381     | 97.38       | -0.001 |
| 321                                   | 10       | Unbiased            | 97.395     | 97.369      | -0.026 |
| 322                                   | 10       | Unbiased            | 97.382     | 97.368      | -0.014 |
| 323                                   | 30       | Bias                | 97.4       | 97.351      | -0.049 |
| 324                                   | 30       | Bias                | 97.415     | 97.372      | -0.043 |
| 325                                   | 30       | Bias                | 97.378     | 97.324      | -0.054 |
| 326                                   | 30       | Bias                | 97.421     | 97.374      | -0.047 |
| 327                                   | 30       | Bias                | 97.4       | 97.349      | -0.051 |
| 328                                   | 30       | Unbiased            | 97.408     | 97.361      | -0.047 |
| 329                                   | 30       | Unbiased            | 97.401     | 97.359      | -0.042 |
| 330                                   | 30       | Unbiased            | 97.424     | 97.377      | -0.047 |
| 331                                   | 30       | Unbiased            | 97.398     | 97.346      | -0.052 |
| 332                                   | 30       | Unbiased            | 97.384     | 97.337      | -0.047 |
| 333                                   | 50       | Bias                | 97.431     | 97.356      | -0.075 |
| 334                                   | 50       | Bias                | 97.379     | 97.305      | -0.074 |
| 335                                   | 50       | Bias                | 97.388     | 97.302      | -0.086 |
| 336                                   | 50       | Bias                | 97.402     | 97.315      | -0.087 |
| 337                                   | 50       | Bias                | 97.369     | 97.284      | -0.085 |
| 338                                   | 50       | Unbiased            | 97.421     | 97.354      | -0.067 |
| 339                                   | 50       | Unbiased            | 97.375     | 97.336      | -0.039 |
| 340                                   | 50       | Unbiased            | 97.355     | 97.305      | -0.05  |
| 341                                   | 50       | Unbiased            | 97.38      | 97.335      | -0.045 |
| 342                                   | 50       | Unbiased            | 97.361     | 97.318      | -0.043 |
| 343                                   | 100      | Bias                | 97.374     | 97.265      | -0.109 |
| 344                                   | 100      | Bias                | 97.367     | 97.256      | -0.111 |
| 345                                   | 100      | Bias                | 97.375     | 97.248      | -0.127 |
| 346                                   | 100      | Bias                | 97.325     | 97.192      | -0.133 |
| 347                                   | 100      | Bias                | 97.36      | 97.235      | -0.125 |
| 348                                   | 100      | Unbiased            | 97.355     | 97.242      | -0.113 |
| 349                                   | 100      | Unbiased            | 97.373     | 97.272      | -0.101 |
| 350                                   | 100      | Unbiased            | 97.361     | 97.235      | -0.126 |
| 351                                   | 100      | Unbiased            | 97.342     | 97.209      | -0.133 |
| 352                                   | 100      | Unbiased            | 97.398     | 97.281      | -0.117 |

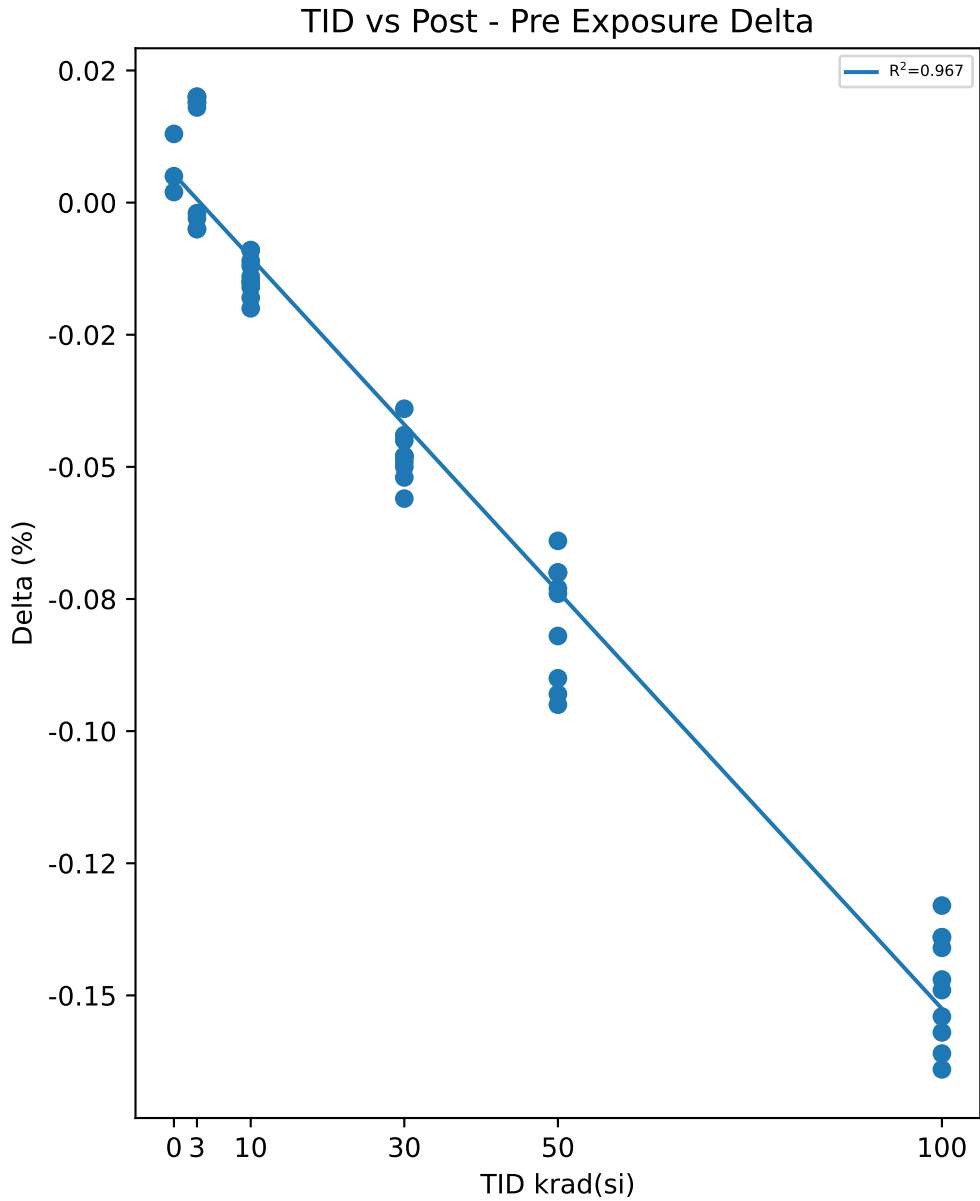
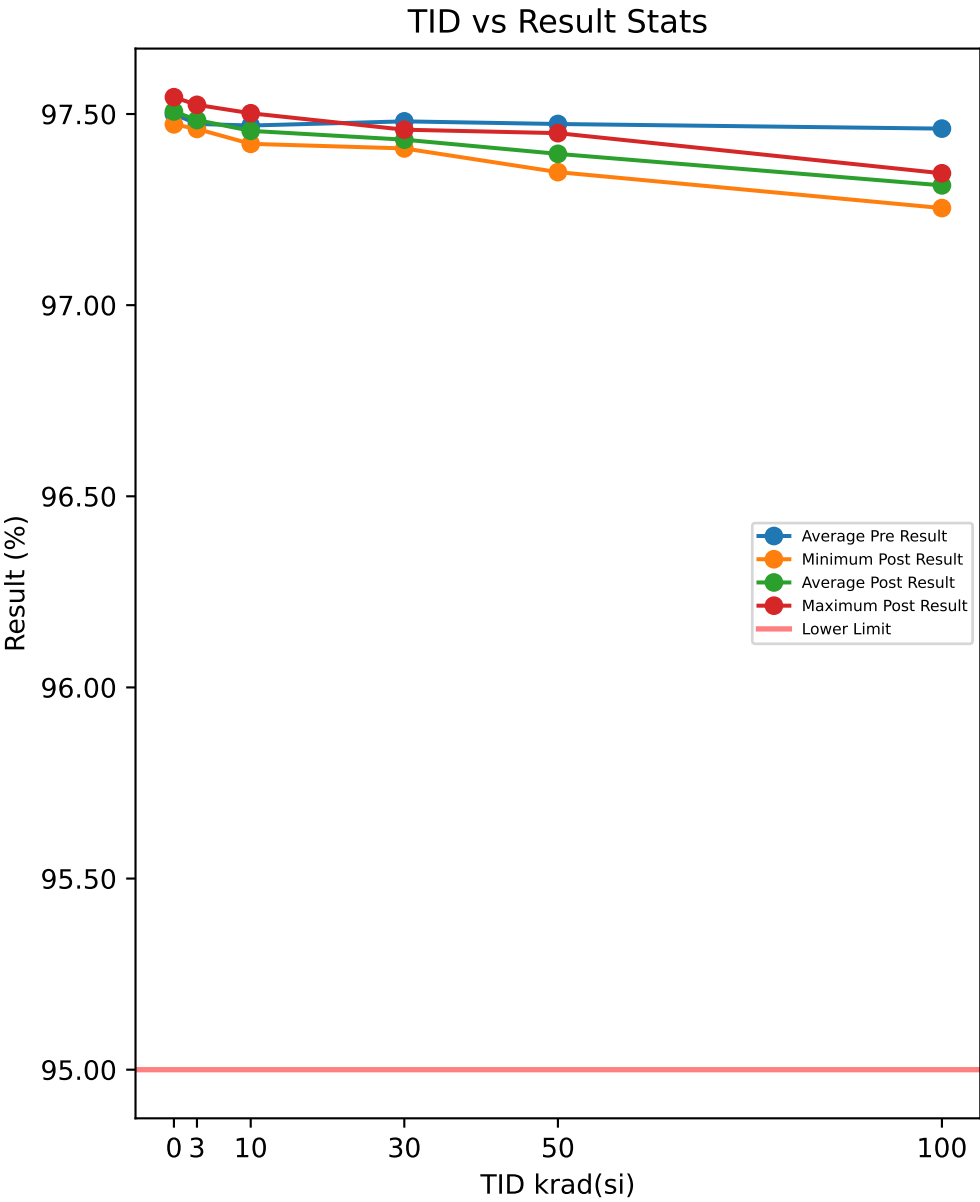
| Test Statistics (%) |                  |                  |                  |                  |                   |                   |                   |                   |           |           |           |           |
|---------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| krad(si)            | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
| 0                   | 97.39            | 97.412           | 97.435           | 0.022502         | 97.404            | 97.429            | 97.448            | 0.02248           | 0.013     | 0.016333  | 0.022     | 0.0049329 |
| 3                   | 97.342           | 97.379           | 97.43            | 0.032077         | 97.388            | 97.406            | 97.432            | 0.016277          | -0.005    | 0.0261    | 0.047     | 0.022864  |
| 10                  | 97.378           | 97.394           | 97.418           | 0.013149         | 97.362            | 97.381            | 97.401            | 0.013493          | -0.026    | -0.0128   | -0.001    | 0.0066633 |
| 30                  | 97.378           | 97.403           | 97.424           | 0.014783         | 97.324            | 97.355            | 97.377            | 0.01701           | -0.054    | -0.0479   | -0.042    | 0.003755  |
| 50                  | 97.355           | 97.386           | 97.431           | 0.024924         | 97.284            | 97.321            | 97.356            | 0.023622          | -0.087    | -0.0651   | -0.039    | 0.019134  |
| 100                 | 97.325           | 97.363           | 97.398           | 0.019911         | 97.192            | 97.244            | 97.281            | 0.027581          | -0.133    | -0.1195   | -0.101    | 0.010886  |



| Test Results (Lower Limit = 95.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 97.563     | 97.579      | 0.016  |
| 301                                   | 0        | Correlation         | 97.618     | 97.625      | 0.007  |
| 302                                   | 0        | Correlation         | 97.527     | 97.532      | 0.005  |
| 303                                   | 3        | Bias                | 97.538     | 97.555      | 0.017  |
| 304                                   | 3        | Bias                | 97.529     | 97.544      | 0.015  |
| 305                                   | 3        | Bias                | 97.537     | 97.554      | 0.017  |
| 306                                   | 3        | Bias                | 97.539     | 97.551      | 0.012  |
| 307                                   | 3        | Bias                | 97.522     | 97.535      | 0.013  |
| 308                                   | 3        | Unbiased            | 97.546     | 97.557      | 0.011  |
| 309                                   | 3        | Unbiased            | 97.555     | 97.55       | -0.005 |
| 310                                   | 3        | Unbiased            | 97.544     | 97.539      | -0.005 |
| 311                                   | 3        | Unbiased            | 97.605     | 97.602      | -0.003 |
| 312                                   | 3        | Unbiased            | 97.6       | 97.6        | 0      |
| 313                                   | 10       | Bias                | 97.551     | 97.544      | -0.007 |
| 314                                   | 10       | Bias                | 97.54      | 97.537      | -0.003 |
| 315                                   | 10       | Bias                | 97.517     | 97.51       | -0.007 |
| 316                                   | 10       | Bias                | 97.585     | 97.573      | -0.012 |
| 317                                   | 10       | Bias                | 97.514     | 97.51       | -0.004 |
| 318                                   | 10       | Unbiased            | 97.54      | 97.529      | -0.011 |
| 319                                   | 10       | Unbiased            | 97.546     | 97.54       | -0.006 |
| 320                                   | 10       | Unbiased            | 97.528     | 97.518      | -0.01  |
| 321                                   | 10       | Unbiased            | 97.527     | 97.52       | -0.007 |
| 322                                   | 10       | Unbiased            | 97.559     | 97.55       | -0.009 |
| 323                                   | 30       | Bias                | 97.537     | 97.52       | -0.017 |
| 324                                   | 30       | Bias                | 97.555     | 97.539      | -0.016 |
| 325                                   | 30       | Bias                | 97.522     | 97.505      | -0.017 |
| 326                                   | 30       | Bias                | 97.581     | 97.568      | -0.013 |
| 327                                   | 30       | Bias                | 97.553     | 97.534      | -0.019 |
| 328                                   | 30       | Unbiased            | 97.553     | 97.518      | -0.035 |
| 329                                   | 30       | Unbiased            | 97.549     | 97.519      | -0.03  |
| 330                                   | 30       | Unbiased            | 97.568     | 97.531      | -0.037 |
| 331                                   | 30       | Unbiased            | 97.54      | 97.5        | -0.04  |
| 332                                   | 30       | Unbiased            | 97.528     | 97.489      | -0.039 |
| 333                                   | 50       | Bias                | 97.576     | 97.55       | -0.026 |
| 334                                   | 50       | Bias                | 97.516     | 97.486      | -0.03  |
| 335                                   | 50       | Bias                | 97.541     | 97.506      | -0.035 |
| 336                                   | 50       | Bias                | 97.546     | 97.509      | -0.037 |
| 337                                   | 50       | Bias                | 97.501     | 97.466      | -0.035 |
| 338                                   | 50       | Unbiased            | 97.573     | 97.52       | -0.053 |
| 339                                   | 50       | Unbiased            | 97.539     | 97.484      | -0.055 |
| 340                                   | 50       | Unbiased            | 97.52      | 97.457      | -0.063 |
| 341                                   | 50       | Unbiased            | 97.565     | 97.507      | -0.058 |
| 342                                   | 50       | Unbiased            | 97.55      | 97.492      | -0.058 |
| 343                                   | 100      | Bias                | 97.545     | 97.482      | -0.063 |
| 344                                   | 100      | Bias                | 97.528     | 97.463      | -0.065 |
| 345                                   | 100      | Bias                | 97.563     | 97.491      | -0.072 |
| 346                                   | 100      | Bias                | 97.502     | 97.426      | -0.076 |
| 347                                   | 100      | Bias                | 97.521     | 97.45       | -0.071 |
| 348                                   | 100      | Unbiased            | 97.541     | 97.428      | -0.113 |
| 349                                   | 100      | Unbiased            | 97.547     | 97.443      | -0.104 |
| 350                                   | 100      | Unbiased            | 97.543     | 97.421      | -0.122 |
| 351                                   | 100      | Unbiased            | 97.503     | 97.37       | -0.133 |
| 352                                   | 100      | Unbiased            | 97.565     | 97.449      | -0.116 |

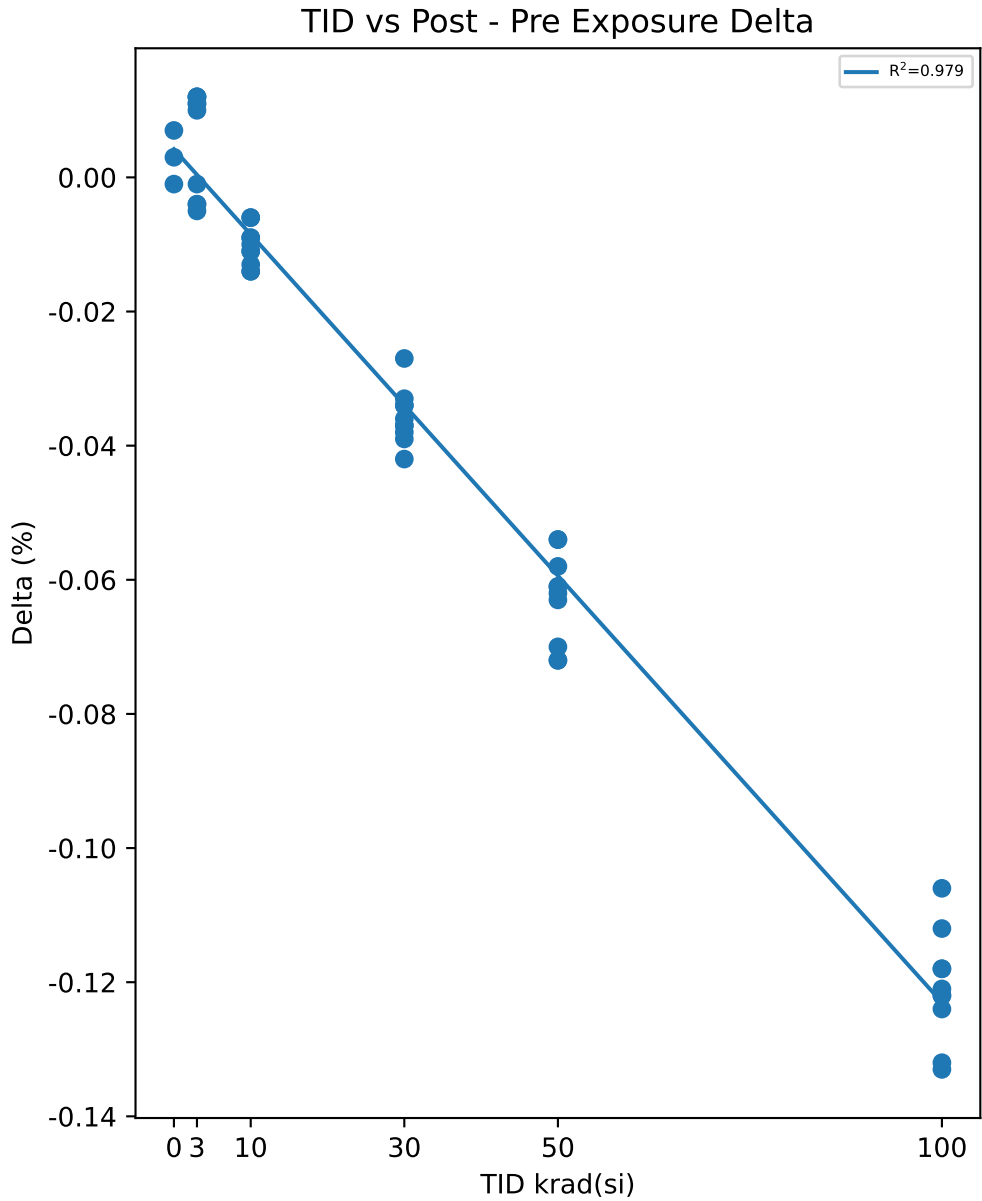
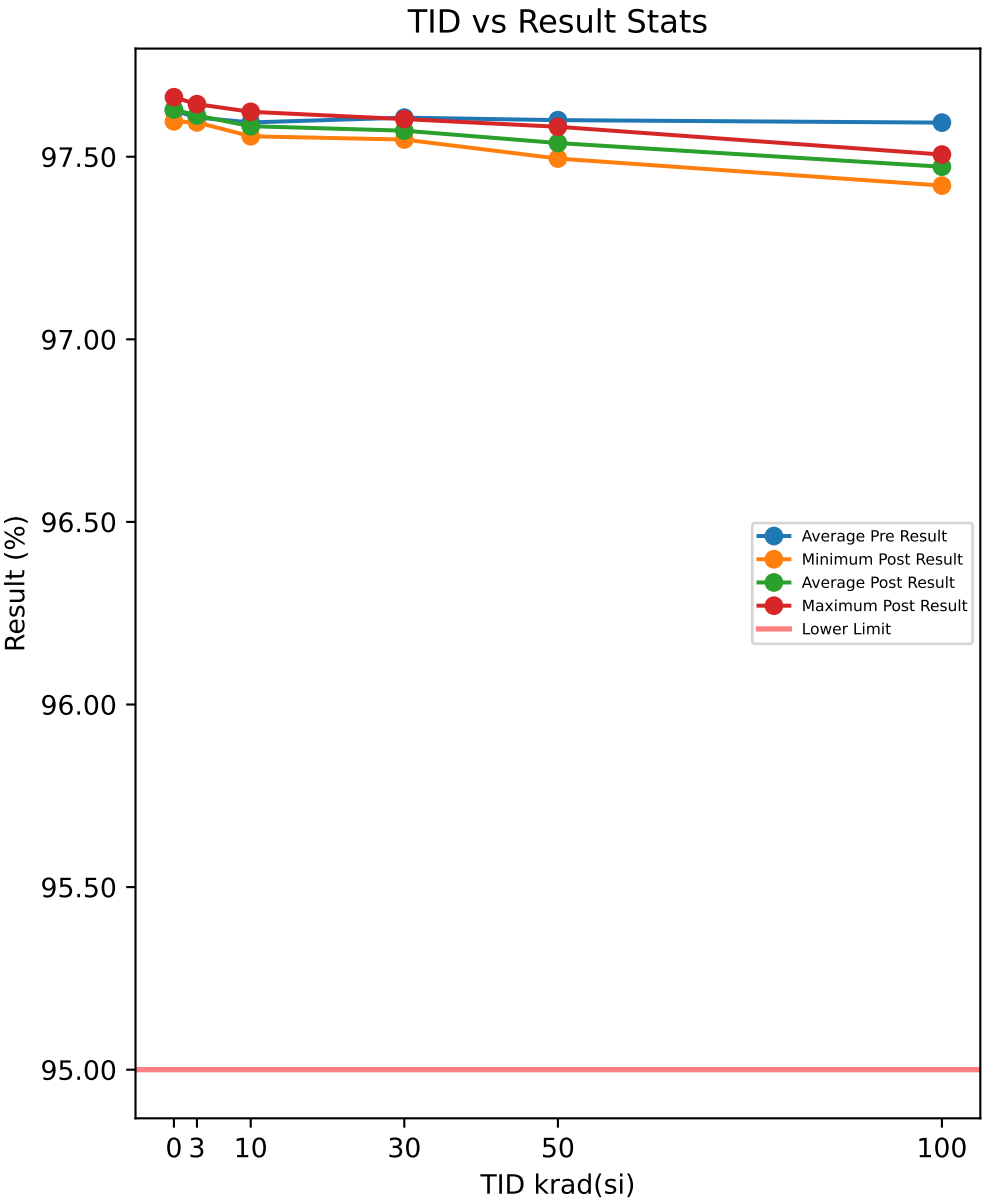
| Test Statistics (%) |                  |                  |                  |                  |                   |                   |                   |                   |           |           |           |           |
|---------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| krad(si)            | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
| 0                   | 97.527           | 97.569           | 97.618           | 0.045829         | 97.532            | 97.579            | 97.625            | 0.046501          | 0.005     | 0.0093333 | 0.016     | 0.0058595 |
| 3                   | 97.522           | 97.552           | 97.605           | 0.02836          | 97.535            | 97.559            | 97.602            | 0.023381          | -0.005    | 0.0072    | 0.017     | 0.0092952 |
| 10                  | 97.514           | 97.541           | 97.585           | 0.021229         | 97.51             | 97.533            | 97.573            | 0.019841          | -0.012    | -0.0076   | -0.003    | 0.0029136 |
| 30                  | 97.522           | 97.549           | 97.581           | 0.017784         | 97.489            | 97.522            | 97.568            | 0.022411          | -0.04     | -0.0263   | -0.013    | 0.010863  |
| 50                  | 97.501           | 97.543           | 97.576           | 0.024882         | 97.457            | 97.498            | 97.55             | 0.026945          | -0.063    | -0.045    | -0.026    | 0.013646  |
| 100                 | 97.502           | 97.536           | 97.565           | 0.02206          | 97.37             | 97.442            | 97.491            | 0.034371          | -0.133    | -0.0935   | -0.063    | 0.026639  |

Device Test: 6.48 ; VOH\_RESET\_2MA



| Test Results (Lower Limit = 95.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 97.49      | 97.503      | 0.013  |
| 301                                   | 0        | Correlation         | 97.539     | 97.544      | 0.005  |
| 302                                   | 0        | Correlation         | 97.471     | 97.473      | 0.002  |
| 303                                   | 3        | Bias                | 97.45      | 97.47       | 0.02   |
| 304                                   | 3        | Bias                | 97.449     | 97.469      | 0.02   |
| 305                                   | 3        | Bias                | 97.466     | 97.485      | 0.019  |
| 306                                   | 3        | Bias                | 97.463     | 97.481      | 0.018  |
| 307                                   | 3        | Bias                | 97.442     | 97.461      | 0.019  |
| 308                                   | 3        | Unbiased            | 97.466     | 97.486      | 0.02   |
| 309                                   | 3        | Unbiased            | 97.481     | 97.476      | -0.005 |
| 310                                   | 3        | Unbiased            | 97.472     | 97.467      | -0.005 |
| 311                                   | 3        | Unbiased            | 97.527     | 97.524      | -0.003 |
| 312                                   | 3        | Unbiased            | 97.525     | 97.523      | -0.002 |
| 313                                   | 10       | Bias                | 97.484     | 97.469      | -0.015 |
| 314                                   | 10       | Bias                | 97.471     | 97.457      | -0.014 |
| 315                                   | 10       | Bias                | 97.442     | 97.422      | -0.02  |
| 316                                   | 10       | Bias                | 97.518     | 97.502      | -0.016 |
| 317                                   | 10       | Bias                | 97.452     | 97.437      | -0.015 |
| 318                                   | 10       | Unbiased            | 97.48      | 97.468      | -0.012 |
| 319                                   | 10       | Unbiased            | 97.456     | 97.447      | -0.009 |
| 320                                   | 10       | Unbiased            | 97.462     | 97.453      | -0.009 |
| 321                                   | 10       | Unbiased            | 97.466     | 97.448      | -0.018 |
| 322                                   | 10       | Unbiased            | 97.468     | 97.457      | -0.011 |
| 323                                   | 30       | Bias                | 97.473     | 97.425      | -0.048 |
| 324                                   | 30       | Bias                | 97.489     | 97.444      | -0.045 |
| 325                                   | 30       | Bias                | 97.466     | 97.41       | -0.056 |
| 326                                   | 30       | Bias                | 97.507     | 97.458      | -0.049 |
| 327                                   | 30       | Bias                | 97.465     | 97.413      | -0.052 |
| 328                                   | 30       | Unbiased            | 97.486     | 97.442      | -0.044 |
| 329                                   | 30       | Unbiased            | 97.475     | 97.436      | -0.039 |
| 330                                   | 30       | Unbiased            | 97.507     | 97.459      | -0.048 |
| 331                                   | 30       | Unbiased            | 97.475     | 97.427      | -0.048 |
| 332                                   | 30       | Unbiased            | 97.465     | 97.415      | -0.05  |
| 333                                   | 50       | Bias                | 97.524     | 97.45       | -0.074 |
| 334                                   | 50       | Bias                | 97.465     | 97.383      | -0.082 |
| 335                                   | 50       | Bias                | 97.464     | 97.371      | -0.093 |
| 336                                   | 50       | Bias                | 97.479     | 97.384      | -0.095 |
| 337                                   | 50       | Bias                | 97.438     | 97.348      | -0.09  |
| 338                                   | 50       | Unbiased            | 97.515     | 97.445      | -0.07  |
| 339                                   | 50       | Unbiased            | 97.454     | 97.39       | -0.064 |
| 340                                   | 50       | Unbiased            | 97.456     | 97.383      | -0.073 |
| 341                                   | 50       | Unbiased            | 97.478     | 97.408      | -0.07  |
| 342                                   | 50       | Unbiased            | 97.466     | 97.396      | -0.07  |
| 343                                   | 100      | Bias                | 97.475     | 97.336      | -0.139 |
| 344                                   | 100      | Bias                | 97.462     | 97.321      | -0.141 |
| 345                                   | 100      | Bias                | 97.481     | 97.324      | -0.157 |
| 346                                   | 100      | Bias                | 97.418     | 97.254      | -0.164 |
| 347                                   | 100      | Bias                | 97.444     | 97.295      | -0.149 |
| 348                                   | 100      | Unbiased            | 97.471     | 97.332      | -0.139 |
| 349                                   | 100      | Unbiased            | 97.47      | 97.337      | -0.133 |
| 350                                   | 100      | Unbiased            | 97.462     | 97.308      | -0.154 |
| 351                                   | 100      | Unbiased            | 97.443     | 97.282      | -0.161 |
| 352                                   | 100      | Unbiased            | 97.492     | 97.345      | -0.147 |

| Test Statistics (%) |                  |                  |                  |                  |                   |                   |                   |                   |           |           |           |           |
|---------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| krad(si)            | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
| 0                   | 97.471           | 97.5             | 97.539           | 0.035086         | 97.473            | 97.507            | 97.544            | 0.035642          | 0.002     | 0.0066667 | 0.013     | 0.0056862 |
| 3                   | 97.442           | 97.474           | 97.527           | 0.029696         | 97.461            | 97.484            | 97.524            | 0.022205          | -0.005    | 0.0101    | 0.02      | 0.011967  |
| 10                  | 97.442           | 97.47            | 97.518           | 0.021053         | 97.422            | 97.456            | 97.502            | 0.021349          | -0.02     | -0.0139   | -0.009    | 0.0036652 |
| 30                  | 97.465           | 97.481           | 97.507           | 0.016033         | 97.41             | 97.433            | 97.459            | 0.017842          | -0.056    | -0.0479   | -0.039    | 0.0046056 |
| 50                  | 97.438           | 97.474           | 97.524           | 0.026847         | 97.348            | 97.396            | 97.45             | 0.03146           | -0.095    | -0.0781   | -0.064    | 0.01107   |
| 100                 | 97.418           | 97.462           | 97.492           | 0.021591         | 97.254            | 97.313            | 97.345            | 0.028799          | -0.164    | -0.1484   | -0.133    | 0.010426  |



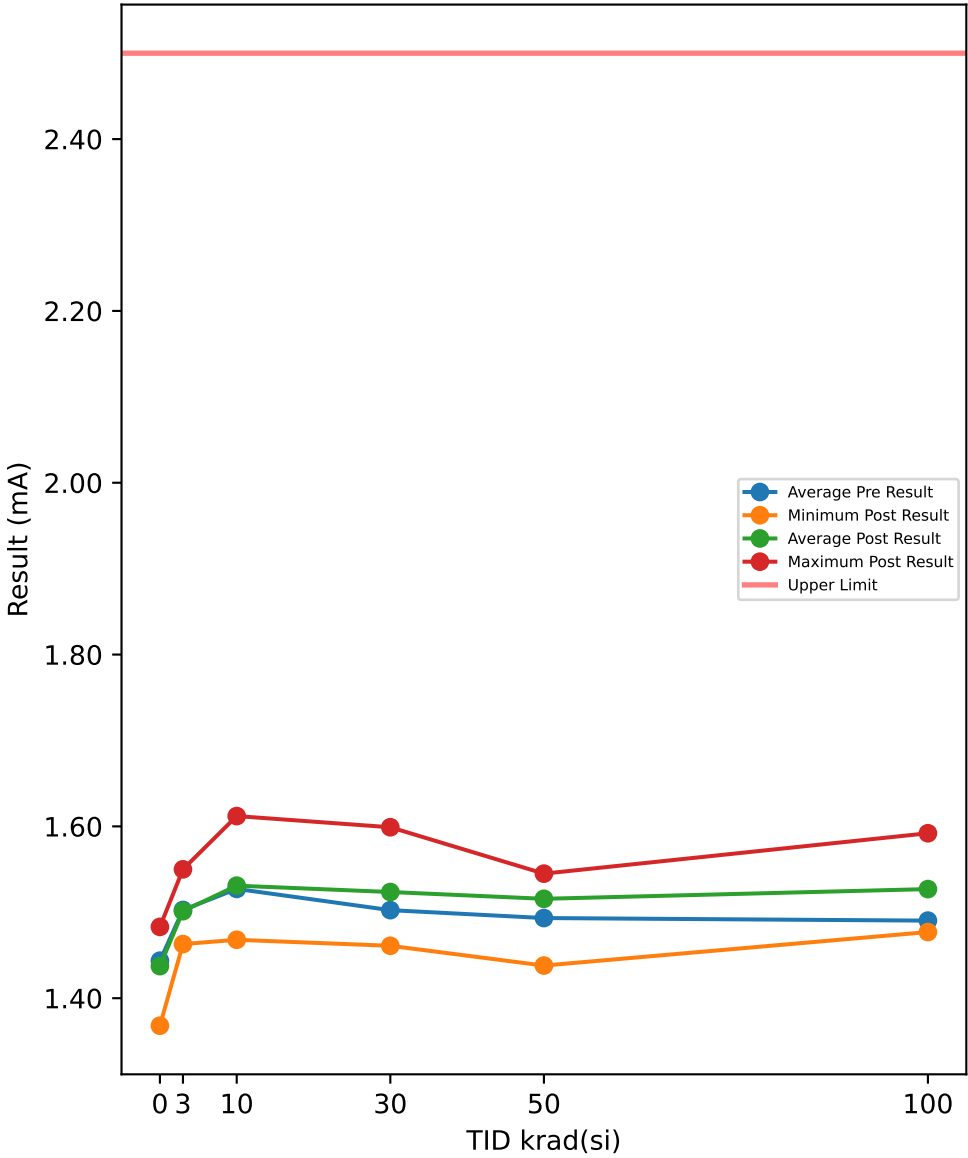
| Test Results (Lower Limit = 95.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 97.621     | 97.628      | 0.007  |
| 301                                   | 0        | Correlation         | 97.66      | 97.663      | 0.003  |
| 302                                   | 0        | Correlation         | 97.598     | 97.597      | -0.001 |
| 303                                   | 3        | Bias                | 97.6       | 97.612      | 0.012  |
| 304                                   | 3        | Bias                | 97.59      | 97.602      | 0.012  |
| 305                                   | 3        | Bias                | 97.61      | 97.621      | 0.011  |
| 306                                   | 3        | Bias                | 97.592     | 97.602      | 0.01   |
| 307                                   | 3        | Bias                | 97.587     | 97.599      | 0.012  |
| 308                                   | 3        | Unbiased            | 97.6       | 97.611      | 0.011  |
| 309                                   | 3        | Unbiased            | 97.608     | 97.604      | -0.004 |
| 310                                   | 3        | Unbiased            | 97.599     | 97.594      | -0.005 |
| 311                                   | 3        | Unbiased            | 97.644     | 97.64       | -0.004 |
| 312                                   | 3        | Unbiased            | 97.645     | 97.644      | -0.001 |
| 313                                   | 10       | Bias                | 97.61      | 97.596      | -0.014 |
| 314                                   | 10       | Bias                | 97.603     | 97.592      | -0.011 |
| 315                                   | 10       | Bias                | 97.57      | 97.556      | -0.014 |
| 316                                   | 10       | Bias                | 97.636     | 97.623      | -0.013 |
| 317                                   | 10       | Bias                | 97.576     | 97.565      | -0.011 |
| 318                                   | 10       | Unbiased            | 97.613     | 97.604      | -0.009 |
| 319                                   | 10       | Unbiased            | 97.581     | 97.575      | -0.006 |
| 320                                   | 10       | Unbiased            | 97.579     | 97.569      | -0.01  |
| 321                                   | 10       | Unbiased            | 97.578     | 97.572      | -0.006 |
| 322                                   | 10       | Unbiased            | 97.593     | 97.584      | -0.009 |
| 323                                   | 30       | Bias                | 97.612     | 97.575      | -0.037 |
| 324                                   | 30       | Bias                | 97.603     | 97.569      | -0.034 |
| 325                                   | 30       | Bias                | 97.589     | 97.547      | -0.042 |
| 326                                   | 30       | Bias                | 97.632     | 97.598      | -0.034 |
| 327                                   | 30       | Bias                | 97.592     | 97.554      | -0.038 |
| 328                                   | 30       | Unbiased            | 97.609     | 97.576      | -0.033 |
| 329                                   | 30       | Unbiased            | 97.601     | 97.574      | -0.027 |
| 330                                   | 30       | Unbiased            | 97.639     | 97.603      | -0.036 |
| 331                                   | 30       | Unbiased            | 97.597     | 97.56       | -0.037 |
| 332                                   | 30       | Unbiased            | 97.596     | 97.557      | -0.039 |
| 333                                   | 50       | Bias                | 97.64      | 97.582      | -0.058 |
| 334                                   | 50       | Bias                | 97.578     | 97.516      | -0.062 |
| 335                                   | 50       | Bias                | 97.589     | 97.517      | -0.072 |
| 336                                   | 50       | Bias                | 97.609     | 97.537      | -0.072 |
| 337                                   | 50       | Bias                | 97.565     | 97.495      | -0.07  |
| 338                                   | 50       | Unbiased            | 97.631     | 97.577      | -0.054 |
| 339                                   | 50       | Unbiased            | 97.593     | 97.539      | -0.054 |
| 340                                   | 50       | Unbiased            | 97.59      | 97.529      | -0.061 |
| 341                                   | 50       | Unbiased            | 97.613     | 97.55       | -0.063 |
| 342                                   | 50       | Unbiased            | 97.594     | 97.533      | -0.061 |
| 343                                   | 100      | Bias                | 97.612     | 97.494      | -0.118 |
| 344                                   | 100      | Bias                | 97.595     | 97.477      | -0.118 |
| 345                                   | 100      | Bias                | 97.617     | 97.485      | -0.132 |
| 346                                   | 100      | Bias                | 97.554     | 97.421      | -0.133 |
| 347                                   | 100      | Bias                | 97.583     | 97.461      | -0.122 |
| 348                                   | 100      | Unbiased            | 97.602     | 97.49       | -0.112 |
| 349                                   | 100      | Unbiased            | 97.591     | 97.485      | -0.106 |
| 350                                   | 100      | Unbiased            | 97.59      | 97.468      | -0.122 |
| 351                                   | 100      | Unbiased            | 97.563     | 97.439      | -0.124 |
| 352                                   | 100      | Unbiased            | 97.627     | 97.506      | -0.121 |

Test Statistics (%)

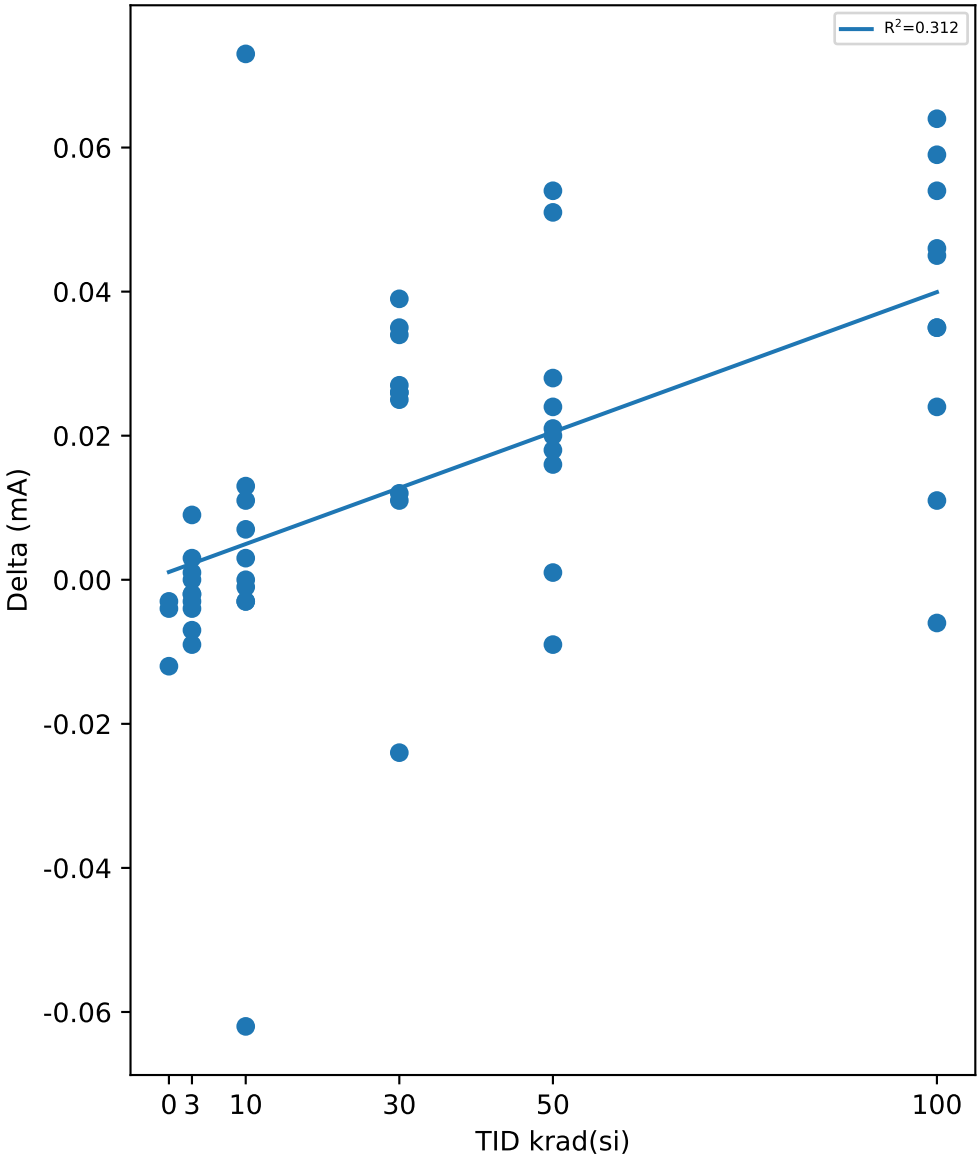
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 97.598           | 97.626           | 97.66            | 0.031342         | 97.597            | 97.629            | 97.663            | 0.03302           | -0.001    | 0.003     | 0.007     | 0.004     |
| 3        | 97.587           | 97.608           | 97.645           | 0.020807         | 97.594            | 97.613            | 97.644            | 0.017123          | -0.005    | 0.0054    | 0.012     | 0.0077488 |
| 10       | 97.57            | 97.594           | 97.636           | 0.021116         | 97.556            | 97.584            | 97.623            | 0.020337          | -0.014    | -0.0103   | -0.006    | 0.0029078 |
| 30       | 97.589           | 97.607           | 97.639           | 0.016667         | 97.547            | 97.571            | 97.603            | 0.018221          | -0.042    | -0.0357   | -0.027    | 0.0040565 |
| 50       | 97.565           | 97.6             | 97.64            | 0.023156         | 97.495            | 97.537            | 97.582            | 0.026834          | -0.072    | -0.0627   | -0.054    | 0.0067173 |
| 100      | 97.554           | 97.593           | 97.627           | 0.022877         | 97.421            | 97.473            | 97.506            | 0.026141          | -0.133    | -0.1208   | -0.106    | 0.0081622 |

Device Test: 6.5 ; IQ

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 2.5 (mA))

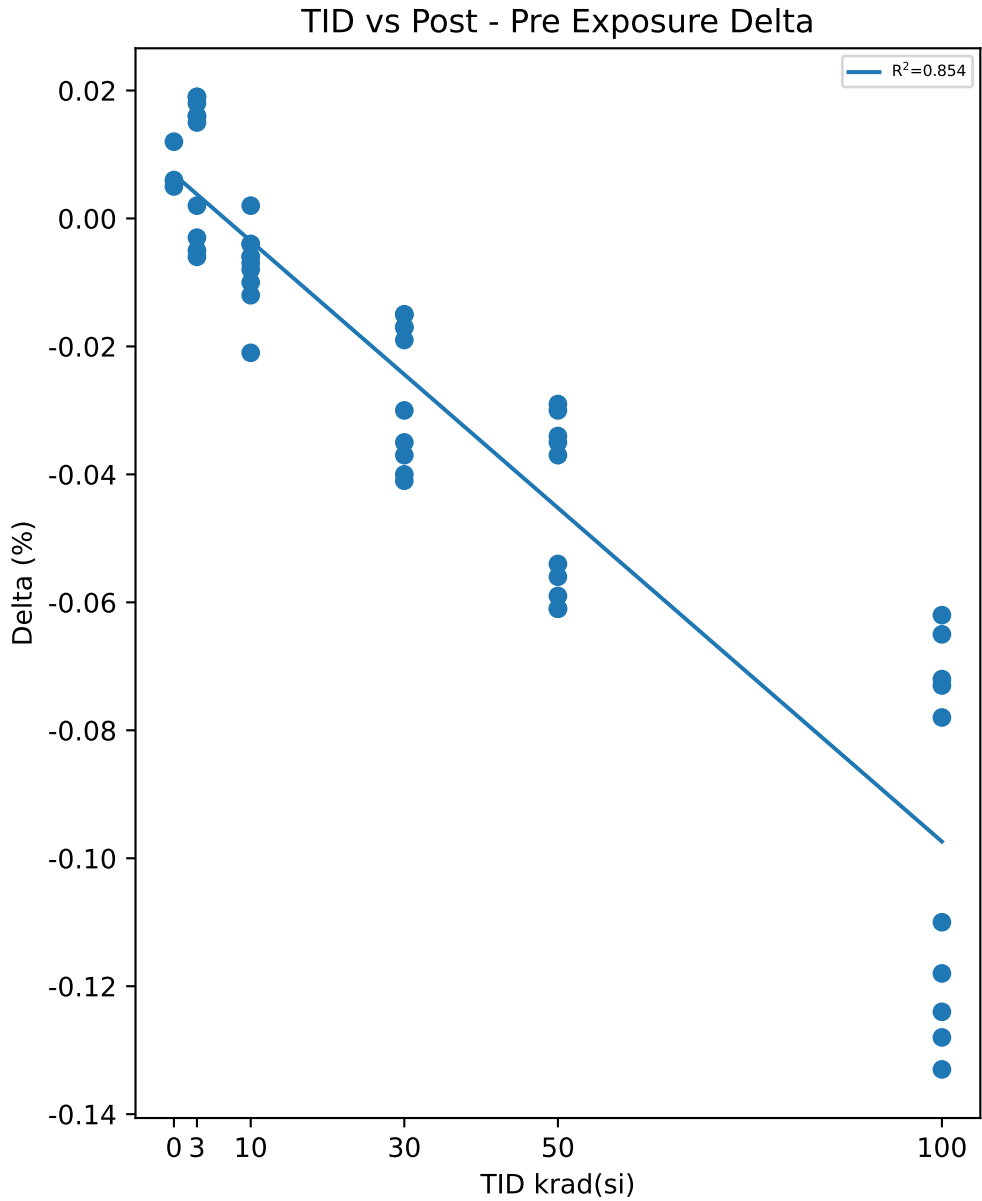
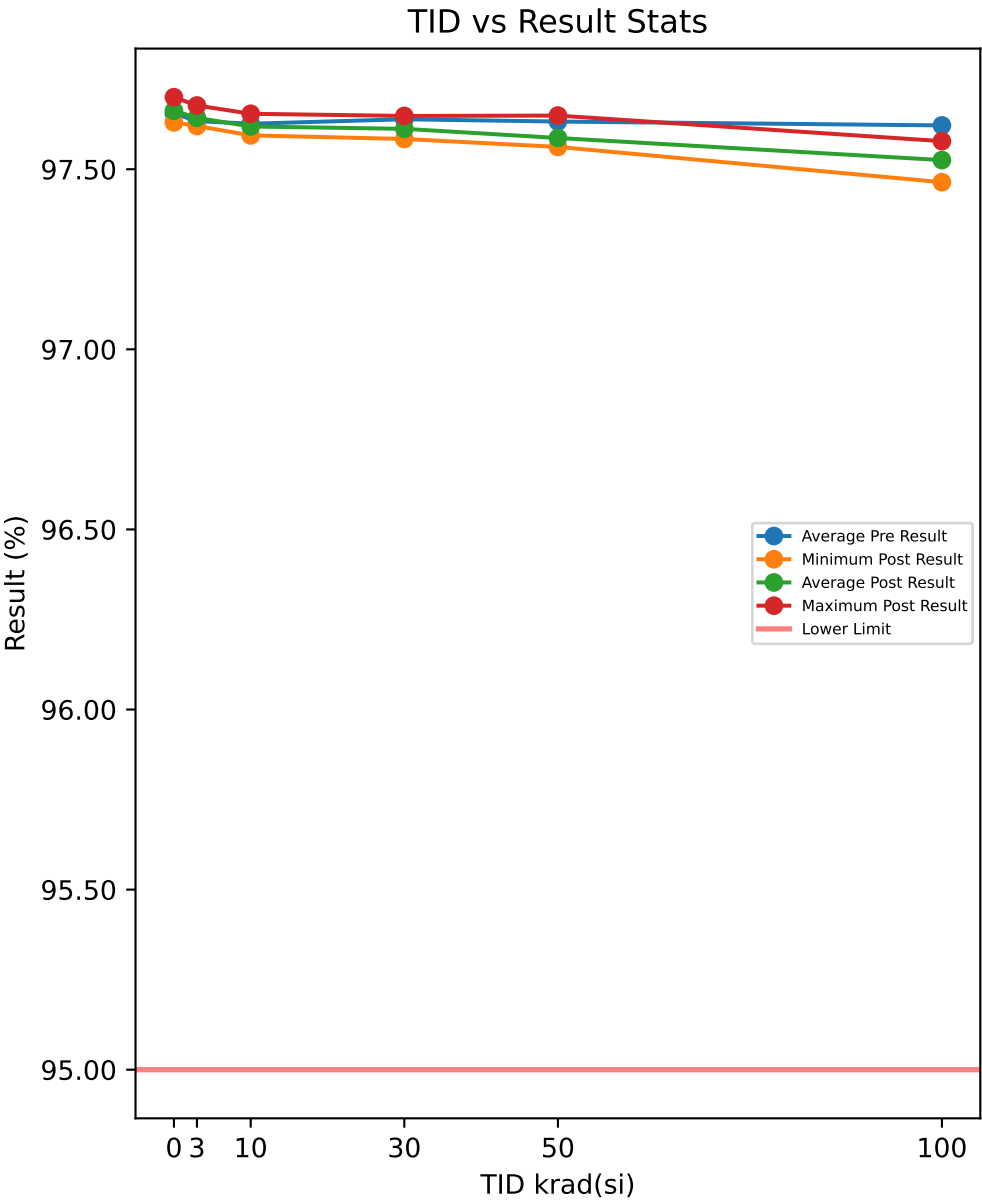
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 1.495      | 1.483       | -0.012 |
| 301      | 0        | Correlation         | 1.372      | 1.368       | -0.004 |
| 302      | 0        | Correlation         | 1.464      | 1.461       | -0.003 |
| 303      | 3        | Bias                | 1.492      | 1.495       | 0.003  |
| 304      | 3        | Bias                | 1.523      | 1.514       | -0.009 |
| 305      | 3        | Bias                | 1.557      | 1.55        | -0.007 |
| 306      | 3        | Bias                | 1.48       | 1.476       | -0.004 |
| 307      | 3        | Bias                | 1.533      | 1.531       | -0.002 |
| 308      | 3        | Unbiased            | 1.529      | 1.526       | -0.003 |
| 309      | 3        | Unbiased            | 1.463      | 1.463       | 0      |
| 310      | 3        | Unbiased            | 1.485      | 1.486       | 0.001  |
| 311      | 3        | Unbiased            | 1.481      | 1.479       | -0.002 |
| 312      | 3        | Unbiased            | 1.484      | 1.493       | 0.009  |
| 313      | 10       | Bias                | 1.457      | 1.468       | 0.011  |
| 314      | 10       | Bias                | 1.558      | 1.557       | -0.001 |
| 315      | 10       | Bias                | 1.595      | 1.608       | 0.013  |
| 316      | 10       | Bias                | 1.478      | 1.475       | -0.003 |
| 317      | 10       | Bias                | 1.488      | 1.485       | -0.003 |
| 318      | 10       | Unbiased            | 1.522      | 1.525       | 0.003  |
| 319      | 10       | Unbiased            | 1.605      | 1.612       | 0.007  |
| 320      | 10       | Unbiased            | 1.489      | 1.562       | 0.073  |
| 321      | 10       | Unbiased            | 1.557      | 1.495       | -0.062 |
| 322      | 10       | Unbiased            | 1.523      | 1.523       | 0      |
| 323      | 30       | Bias                | 1.462      | 1.496       | 0.034  |
| 324      | 30       | Bias                | 1.485      | 1.461       | -0.024 |
| 325      | 30       | Bias                | 1.542      | 1.569       | 0.027  |
| 326      | 30       | Bias                | 1.574      | 1.599       | 0.025  |
| 327      | 30       | Bias                | 1.53       | 1.541       | 0.011  |
| 328      | 30       | Unbiased            | 1.507      | 1.533       | 0.026  |
| 329      | 30       | Unbiased            | 1.446      | 1.485       | 0.039  |
| 330      | 30       | Unbiased            | 1.457      | 1.492       | 0.035  |
| 331      | 30       | Unbiased            | 1.476      | 1.502       | 0.026  |
| 332      | 30       | Unbiased            | 1.546      | 1.558       | 0.012  |
| 333      | 50       | Bias                | 1.51       | 1.526       | 0.016  |
| 334      | 50       | Bias                | 1.527      | 1.545       | 0.018  |
| 335      | 50       | Bias                | 1.465      | 1.519       | 0.054  |
| 336      | 50       | Bias                | 1.522      | 1.523       | 0.001  |
| 337      | 50       | Bias                | 1.512      | 1.54        | 0.028  |
| 338      | 50       | Unbiased            | 1.482      | 1.506       | 0.024  |
| 339      | 50       | Unbiased            | 1.417      | 1.438       | 0.021  |
| 340      | 50       | Unbiased            | 1.492      | 1.543       | 0.051  |
| 341      | 50       | Unbiased            | 1.531      | 1.522       | -0.009 |
| 342      | 50       | Unbiased            | 1.475      | 1.495       | 0.02   |
| 343      | 100      | Bias                | 1.509      | 1.533       | 0.024  |
| 344      | 100      | Bias                | 1.547      | 1.592       | 0.045  |
| 345      | 100      | Bias                | 1.483      | 1.477       | -0.006 |
| 346      | 100      | Bias                | 1.47       | 1.534       | 0.064  |
| 347      | 100      | Bias                | 1.515      | 1.526       | 0.011  |
| 348      | 100      | Unbiased            | 1.47       | 1.529       | 0.059  |
| 349      | 100      | Unbiased            | 1.496      | 1.531       | 0.035  |
| 350      | 100      | Unbiased            | 1.45       | 1.485       | 0.035  |
| 351      | 100      | Unbiased            | 1.526      | 1.58        | 0.054  |
| 352      | 100      | Unbiased            | 1.437      | 1.483       | 0.046  |

Test Statistics (mA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 1.372            | 1.4437           | 1.495            | 0.063971         | 1.368             | 1.4373            | 1.483             | 0.061044          | -0.012    | -0.0063333 | -0.003    | 0.0049329 |
| 3        | 1.463            | 1.5027           | 1.557            | 0.030387         | 1.463             | 1.5013            | 1.55              | 0.027833          | -0.009    | -0.0014    | 0.009     | 0.0051034 |
| 10       | 1.457            | 1.5272           | 1.605            | 0.050416         | 1.468             | 1.531             | 1.612             | 0.052434          | -0.062    | 0.0038     | 0.073     | 0.03231   |
| 30       | 1.446            | 1.5025           | 1.574            | 0.043783         | 1.461             | 1.5236            | 1.599             | 0.043406          | -0.024    | 0.0211     | 0.039     | 0.018248  |
| 50       | 1.417            | 1.4933           | 1.531            | 0.035113         | 1.438             | 1.5157            | 1.545             | 0.03156           | -0.009    | 0.0224     | 0.054     | 0.019329  |
| 100      | 1.437            | 1.4903           | 1.547            | 0.03468          | 1.477             | 1.527             | 1.592             | 0.0385            | -0.006    | 0.0367     | 0.064     | 0.02198   |



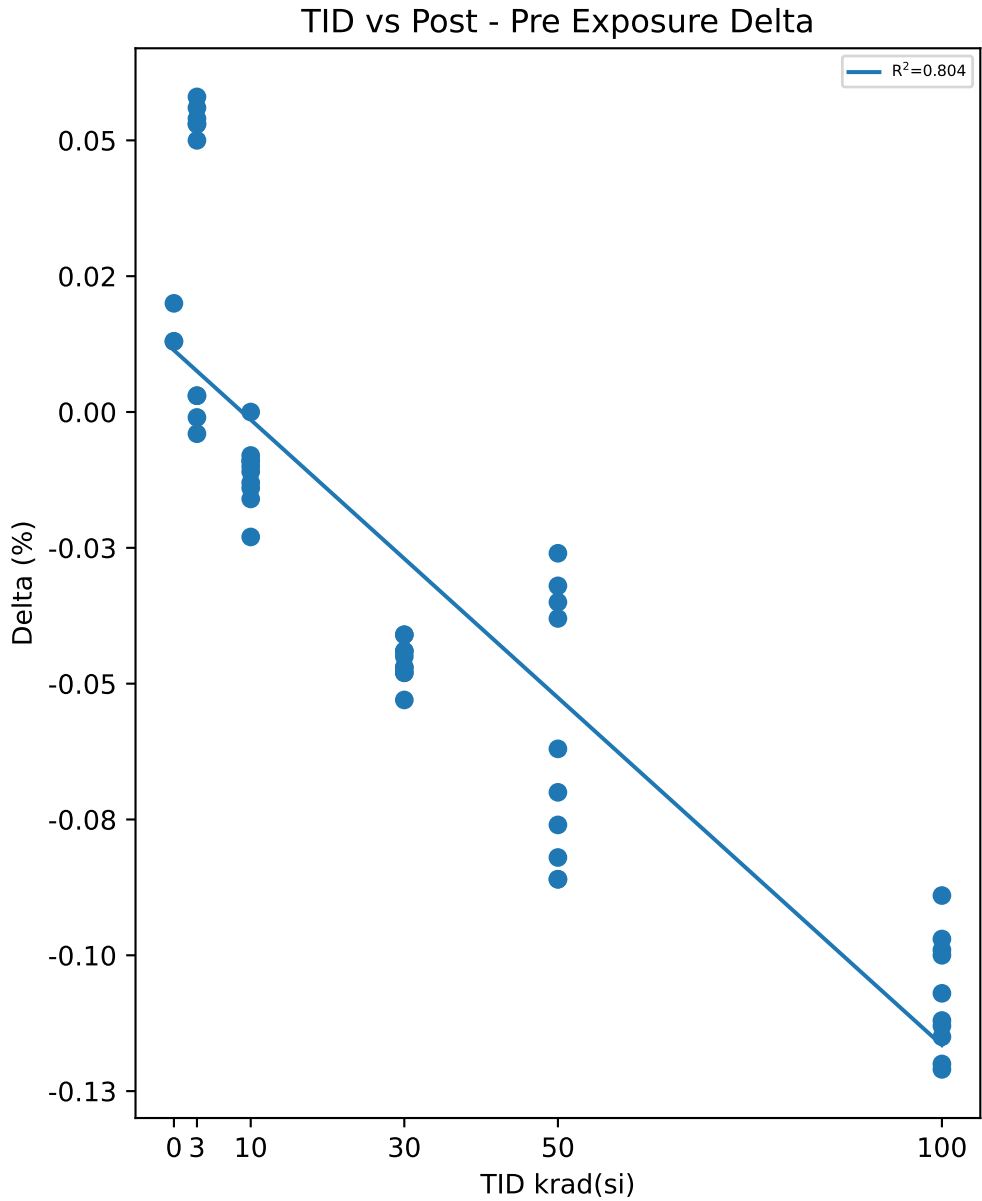
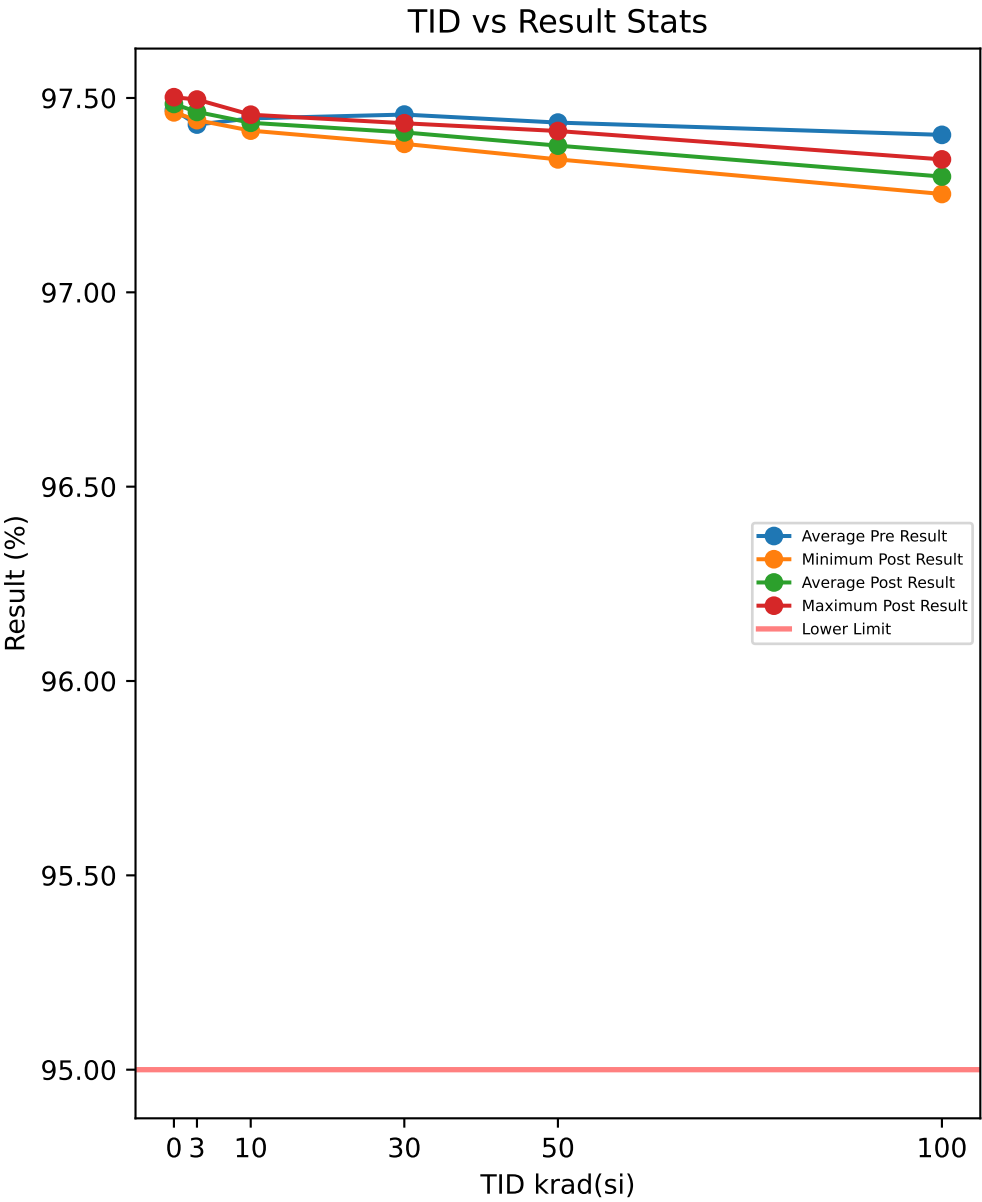
Device Test: 6.50 ; VOH\_RESET\_2MA



| Test Results (Lower Limit = 95.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 97.645     | 97.657      | 0.012  |
| 301                                   | 0        | Correlation         | 97.694     | 97.7        | 0.006  |
| 302                                   | 0        | Correlation         | 97.625     | 97.63       | 0.005  |
| 303                                   | 3        | Bias                | 97.618     | 97.636      | 0.018  |
| 304                                   | 3        | Bias                | 97.617     | 97.636      | 0.019  |
| 305                                   | 3        | Bias                | 97.635     | 97.654      | 0.019  |
| 306                                   | 3        | Bias                | 97.622     | 97.638      | 0.016  |
| 307                                   | 3        | Bias                | 97.605     | 97.621      | 0.016  |
| 308                                   | 3        | Unbiased            | 97.62      | 97.635      | 0.015  |
| 309                                   | 3        | Unbiased            | 97.641     | 97.636      | -0.005 |
| 310                                   | 3        | Unbiased            | 97.626     | 97.62       | -0.006 |
| 311                                   | 3        | Unbiased            | 97.678     | 97.675      | -0.003 |
| 312                                   | 3        | Unbiased            | 97.675     | 97.677      | 0.002  |
| 313                                   | 10       | Bias                | 97.65      | 97.644      | -0.006 |
| 314                                   | 10       | Bias                | 97.637     | 97.633      | -0.004 |
| 315                                   | 10       | Bias                | 97.603     | 97.597      | -0.006 |
| 316                                   | 10       | Bias                | 97.666     | 97.654      | -0.012 |
| 317                                   | 10       | Bias                | 97.605     | 97.601      | -0.004 |
| 318                                   | 10       | Unbiased            | 97.648     | 97.638      | -0.01  |
| 319                                   | 10       | Unbiased            | 97.612     | 97.605      | -0.007 |
| 320                                   | 10       | Unbiased            | 97.605     | 97.607      | 0.002  |
| 321                                   | 10       | Unbiased            | 97.615     | 97.594      | -0.021 |
| 322                                   | 10       | Unbiased            | 97.622     | 97.614      | -0.008 |
| 323                                   | 30       | Bias                | 97.639     | 97.622      | -0.017 |
| 324                                   | 30       | Bias                | 97.644     | 97.629      | -0.015 |
| 325                                   | 30       | Bias                | 97.616     | 97.599      | -0.017 |
| 326                                   | 30       | Bias                | 97.663     | 97.648      | -0.015 |
| 327                                   | 30       | Bias                | 97.626     | 97.607      | -0.019 |
| 328                                   | 30       | Unbiased            | 97.644     | 97.609      | -0.035 |
| 329                                   | 30       | Unbiased            | 97.631     | 97.601      | -0.03  |
| 330                                   | 30       | Unbiased            | 97.674     | 97.634      | -0.04  |
| 331                                   | 30       | Unbiased            | 97.626     | 97.589      | -0.037 |
| 332                                   | 30       | Unbiased            | 97.625     | 97.584      | -0.041 |
| 333                                   | 50       | Bias                | 97.678     | 97.649      | -0.029 |
| 334                                   | 50       | Bias                | 97.607     | 97.577      | -0.03  |
| 335                                   | 50       | Bias                | 97.623     | 97.589      | -0.034 |
| 336                                   | 50       | Bias                | 97.643     | 97.606      | -0.037 |
| 337                                   | 50       | Bias                | 97.601     | 97.566      | -0.035 |
| 338                                   | 50       | Unbiased            | 97.665     | 97.609      | -0.056 |
| 339                                   | 50       | Unbiased            | 97.622     | 97.568      | -0.054 |
| 340                                   | 50       | Unbiased            | 97.623     | 97.562      | -0.061 |
| 341                                   | 50       | Unbiased            | 97.634     | 97.575      | -0.059 |
| 342                                   | 50       | Unbiased            | 97.628     | 97.567      | -0.061 |
| 343                                   | 100      | Bias                | 97.64      | 97.578      | -0.062 |
| 344                                   | 100      | Bias                | 97.622     | 97.557      | -0.065 |
| 345                                   | 100      | Bias                | 97.644     | 97.571      | -0.073 |
| 346                                   | 100      | Bias                | 97.582     | 97.504      | -0.078 |
| 347                                   | 100      | Bias                | 97.612     | 97.54       | -0.072 |
| 348                                   | 100      | Unbiased            | 97.631     | 97.513      | -0.118 |
| 349                                   | 100      | Unbiased            | 97.617     | 97.507      | -0.11  |
| 350                                   | 100      | Unbiased            | 97.619     | 97.491      | -0.128 |
| 351                                   | 100      | Unbiased            | 97.597     | 97.464      | -0.133 |
| 352                                   | 100      | Unbiased            | 97.653     | 97.529      | -0.124 |

Test Statistics (%)

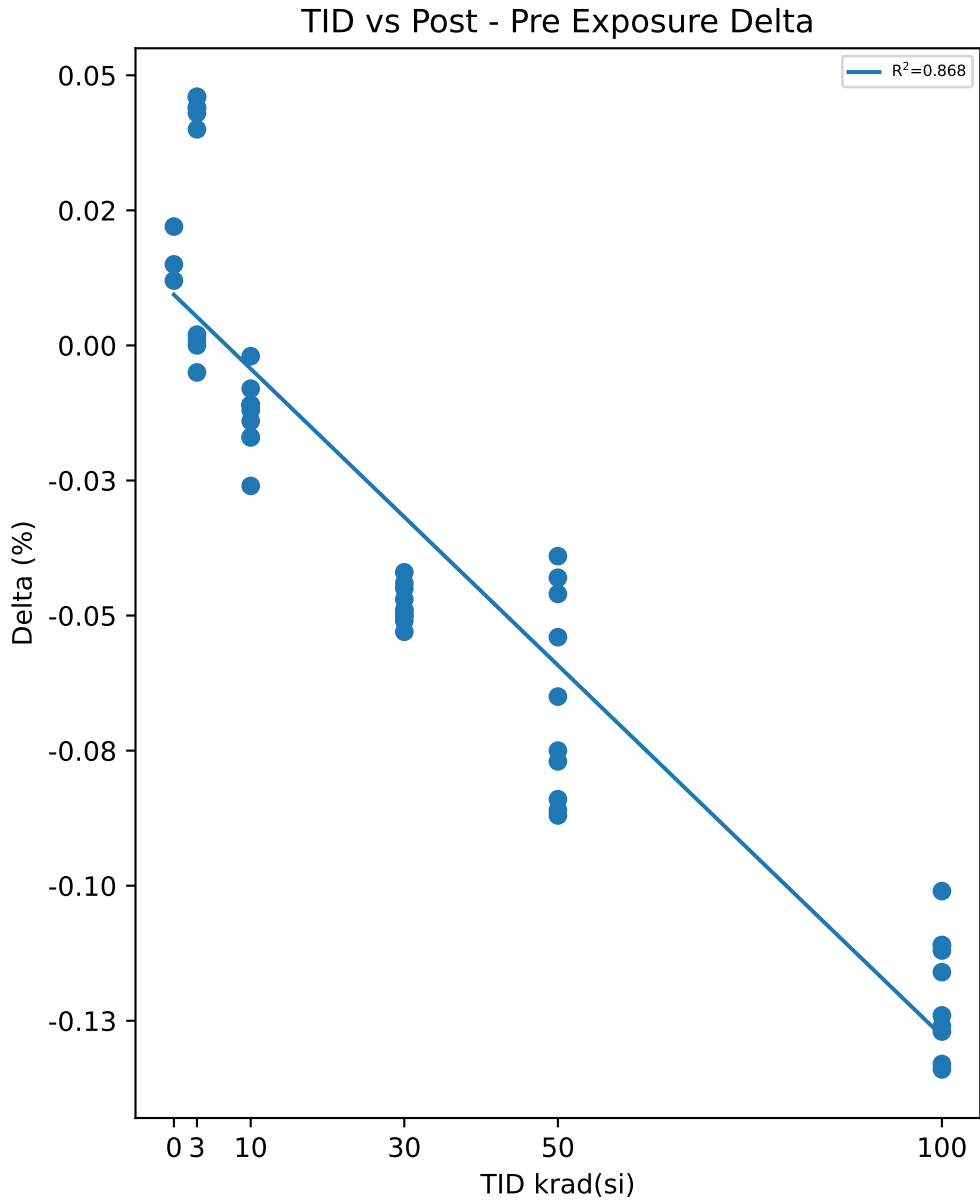
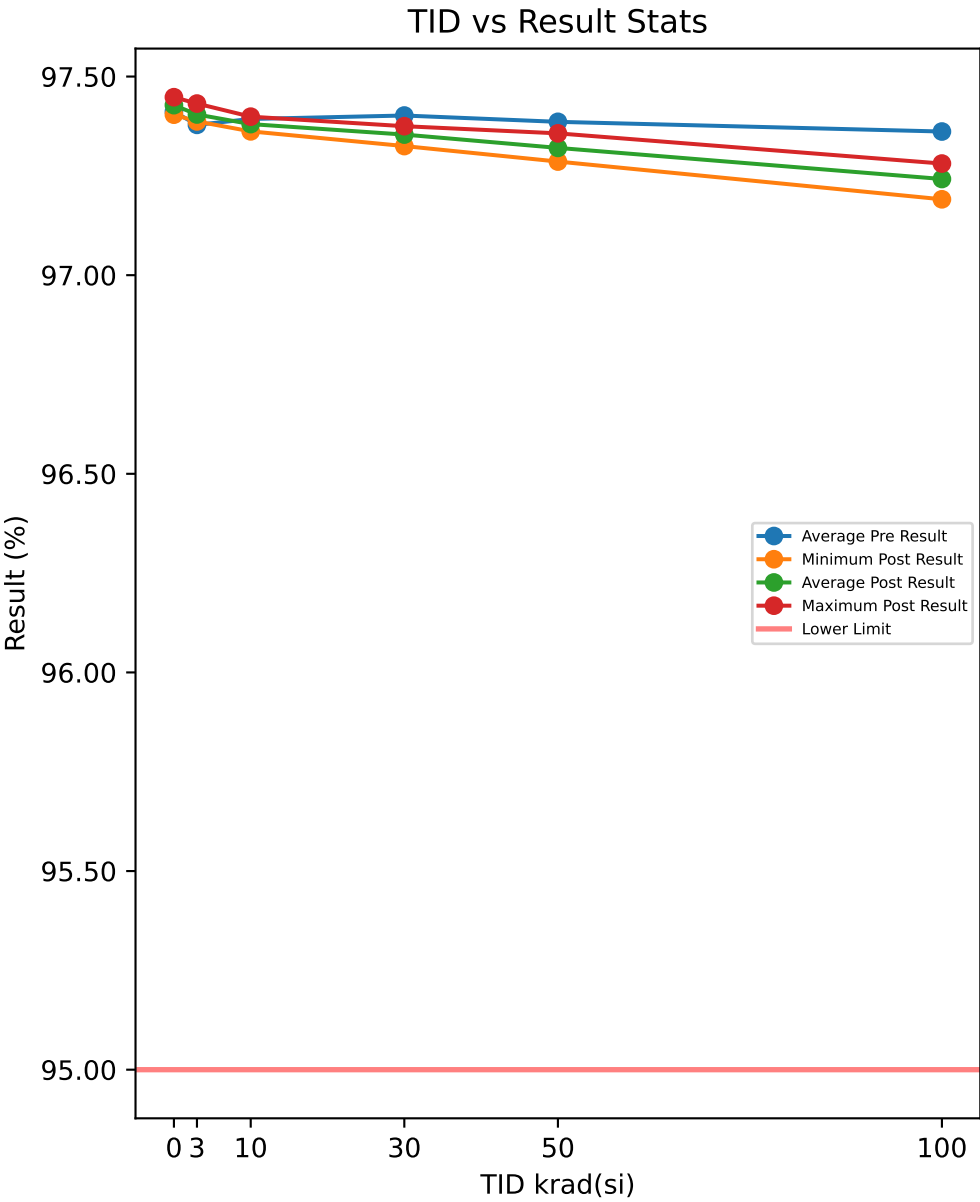
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 97.625           | 97.655           | 97.694           | 0.035501         | 97.63             | 97.662            | 97.7              | 0.035303          | 0.005     | 0.0076667 | 0.012     | 0.0037859 |
| 3        | 97.605           | 97.634           | 97.678           | 0.024622         | 97.62             | 97.643            | 97.677            | 0.01986           | -0.006    | 0.0091    | 0.019     | 0.010692  |
| 10       | 97.603           | 97.626           | 97.666           | 0.02242          | 97.594            | 97.619            | 97.654            | 0.021613          | -0.021    | -0.0076   | 0.002     | 0.0060406 |
| 30       | 97.616           | 97.639           | 97.674           | 0.018189         | 97.584            | 97.612            | 97.648            | 0.020563          | -0.041    | -0.0266   | -0.015    | 0.010997  |
| 50       | 97.601           | 97.632           | 97.678           | 0.024019         | 97.562            | 97.587            | 97.649            | 0.027414          | -0.061    | -0.0456   | -0.029    | 0.013632  |
| 100      | 97.582           | 97.622           | 97.653           | 0.021623         | 97.464            | 97.525            | 97.578            | 0.036476          | -0.133    | -0.0963   | -0.062    | 0.028678  |



| Test Results (Lower Limit = 95.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 97.469     | 97.489      | 0.02   |
| 301                                   | 0        | Correlation         | 97.489     | 97.502      | 0.013  |
| 302                                   | 0        | Correlation         | 97.45      | 97.463      | 0.013  |
| 303                                   | 3        | Bias                | 97.4       | 97.456      | 0.056  |
| 304                                   | 3        | Bias                | 97.398     | 97.451      | 0.053  |
| 305                                   | 3        | Bias                | 97.428     | 97.482      | 0.054  |
| 306                                   | 3        | Bias                | 97.407     | 97.46       | 0.053  |
| 307                                   | 3        | Bias                | 97.385     | 97.443      | 0.058  |
| 308                                   | 3        | Unbiased            | 97.417     | 97.467      | 0.05   |
| 309                                   | 3        | Unbiased            | 97.455     | 97.454      | -0.001 |
| 310                                   | 3        | Unbiased            | 97.449     | 97.445      | -0.004 |
| 311                                   | 3        | Unbiased            | 97.493     | 97.496      | 0.003  |
| 312                                   | 3        | Unbiased            | 97.484     | 97.487      | 0.003  |
| 313                                   | 10       | Bias                | 97.467     | 97.457      | -0.01  |
| 314                                   | 10       | Bias                | 97.461     | 97.452      | -0.009 |
| 315                                   | 10       | Bias                | 97.44      | 97.426      | -0.014 |
| 316                                   | 10       | Bias                | 97.464     | 97.448      | -0.016 |
| 317                                   | 10       | Bias                | 97.447     | 97.434      | -0.013 |
| 318                                   | 10       | Unbiased            | 97.452     | 97.443      | -0.009 |
| 319                                   | 10       | Unbiased            | 97.441     | 97.433      | -0.008 |
| 320                                   | 10       | Unbiased            | 97.427     | 97.427      | 0      |
| 321                                   | 10       | Unbiased            | 97.439     | 97.416      | -0.023 |
| 322                                   | 10       | Unbiased            | 97.437     | 97.426      | -0.011 |
| 323                                   | 30       | Bias                | 97.458     | 97.414      | -0.044 |
| 324                                   | 30       | Bias                | 97.469     | 97.424      | -0.045 |
| 325                                   | 30       | Bias                | 97.435     | 97.382      | -0.053 |
| 326                                   | 30       | Bias                | 97.47      | 97.429      | -0.041 |
| 327                                   | 30       | Bias                | 97.456     | 97.409      | -0.047 |
| 328                                   | 30       | Unbiased            | 97.47      | 97.426      | -0.044 |
| 329                                   | 30       | Unbiased            | 97.448     | 97.407      | -0.041 |
| 330                                   | 30       | Unbiased            | 97.483     | 97.435      | -0.048 |
| 331                                   | 30       | Unbiased            | 97.447     | 97.4        | -0.047 |
| 332                                   | 30       | Unbiased            | 97.437     | 97.389      | -0.048 |
| 333                                   | 50       | Bias                | 97.485     | 97.415      | -0.07  |
| 334                                   | 50       | Bias                | 97.424     | 97.348      | -0.076 |
| 335                                   | 50       | Bias                | 97.448     | 97.362      | -0.086 |
| 336                                   | 50       | Bias                | 97.458     | 97.372      | -0.086 |
| 337                                   | 50       | Bias                | 97.424     | 97.342      | -0.082 |
| 338                                   | 50       | Unbiased            | 97.472     | 97.41       | -0.062 |
| 339                                   | 50       | Unbiased            | 97.419     | 97.393      | -0.026 |
| 340                                   | 50       | Unbiased            | 97.397     | 97.359      | -0.038 |
| 341                                   | 50       | Unbiased            | 97.427     | 97.392      | -0.035 |
| 342                                   | 50       | Unbiased            | 97.413     | 97.381      | -0.032 |
| 343                                   | 100      | Bias                | 97.418     | 97.319      | -0.099 |
| 344                                   | 100      | Bias                | 97.407     | 97.31       | -0.097 |
| 345                                   | 100      | Bias                | 97.416     | 97.301      | -0.115 |
| 346                                   | 100      | Bias                | 97.373     | 97.253      | -0.12  |
| 347                                   | 100      | Bias                | 97.397     | 97.285      | -0.112 |
| 348                                   | 100      | Unbiased            | 97.405     | 97.305      | -0.1   |
| 349                                   | 100      | Unbiased            | 97.407     | 97.318      | -0.089 |
| 350                                   | 100      | Unbiased            | 97.403     | 97.29       | -0.113 |
| 351                                   | 100      | Unbiased            | 97.376     | 97.255      | -0.121 |
| 352                                   | 100      | Unbiased            | 97.449     | 97.342      | -0.107 |

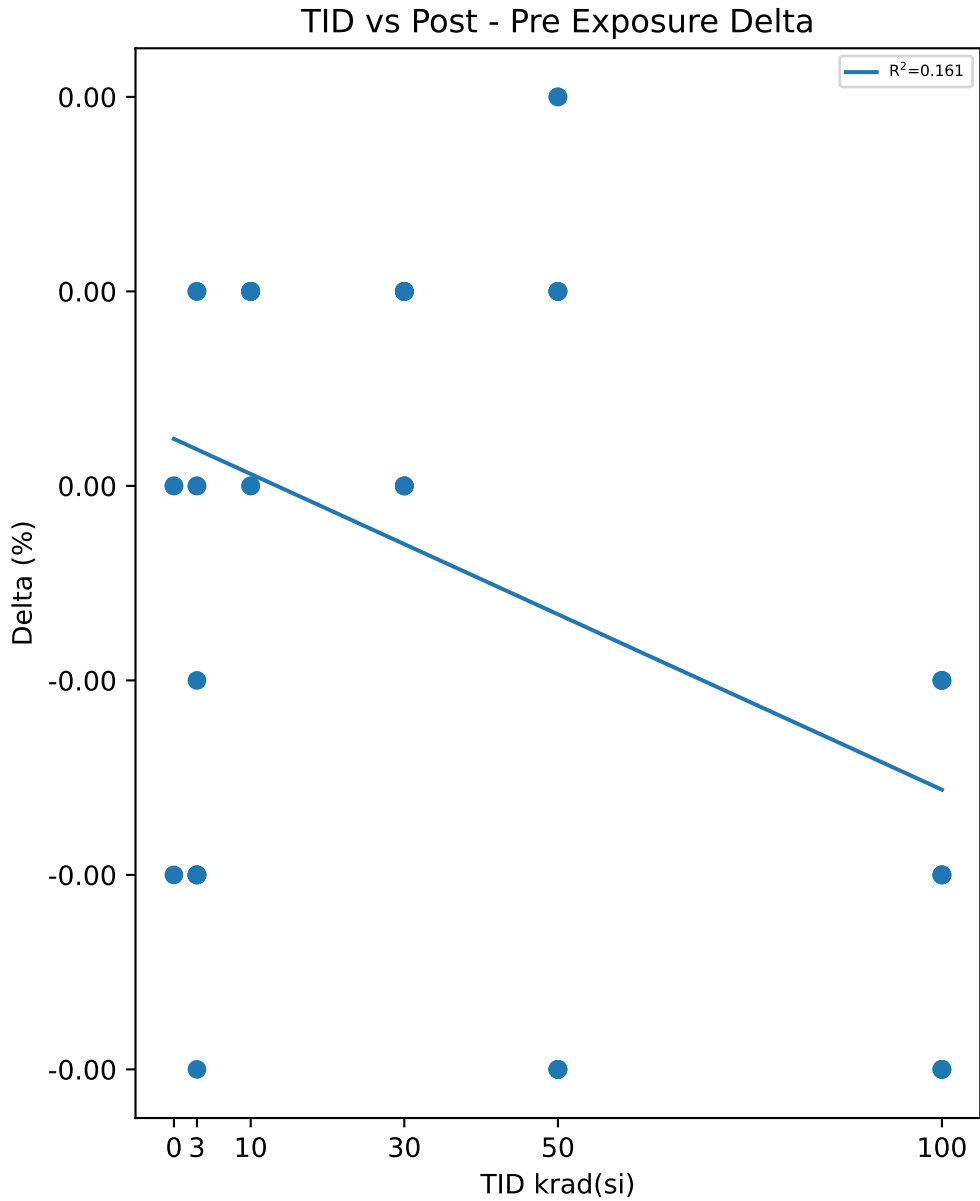
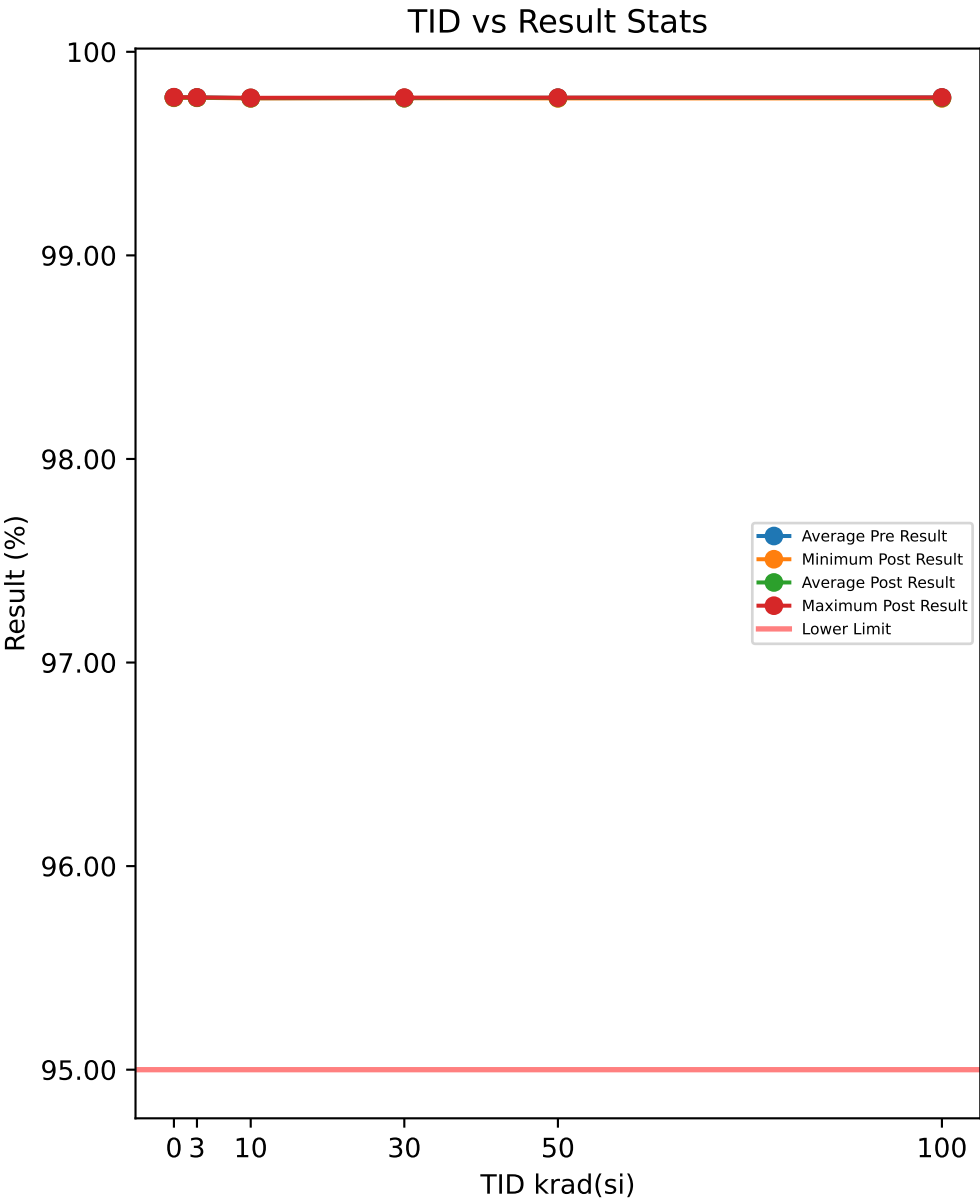
Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 97.45            | 97.469           | 97.489           | 0.019502         | 97.463            | 97.485            | 97.502            | 0.019858          | 0.013     | 0.015333  | 0.02      | 0.0040415 |
| 3        | 97.385           | 97.432           | 97.493           | 0.037262         | 97.443            | 97.464            | 97.496            | 0.018369          | -0.004    | 0.0325    | 0.058     | 0.027902  |
| 10       | 97.427           | 97.448           | 97.467           | 0.013151         | 97.416            | 97.436            | 97.457            | 0.013265          | -0.023    | -0.0113   | 0         | 0.0059638 |
| 30       | 97.435           | 97.457           | 97.483           | 0.01572          | 97.382            | 97.412            | 97.435            | 0.017533          | -0.053    | -0.0458   | -0.041    | 0.0036148 |
| 50       | 97.397           | 97.437           | 97.485           | 0.027945         | 97.342            | 97.377            | 97.415            | 0.025096          | -0.086    | -0.0593   | -0.026    | 0.02413   |
| 100      | 97.373           | 97.405           | 97.449           | 0.021517         | 97.253            | 97.298            | 97.342            | 0.028059          | -0.121    | -0.1073   | -0.089    | 0.010678  |



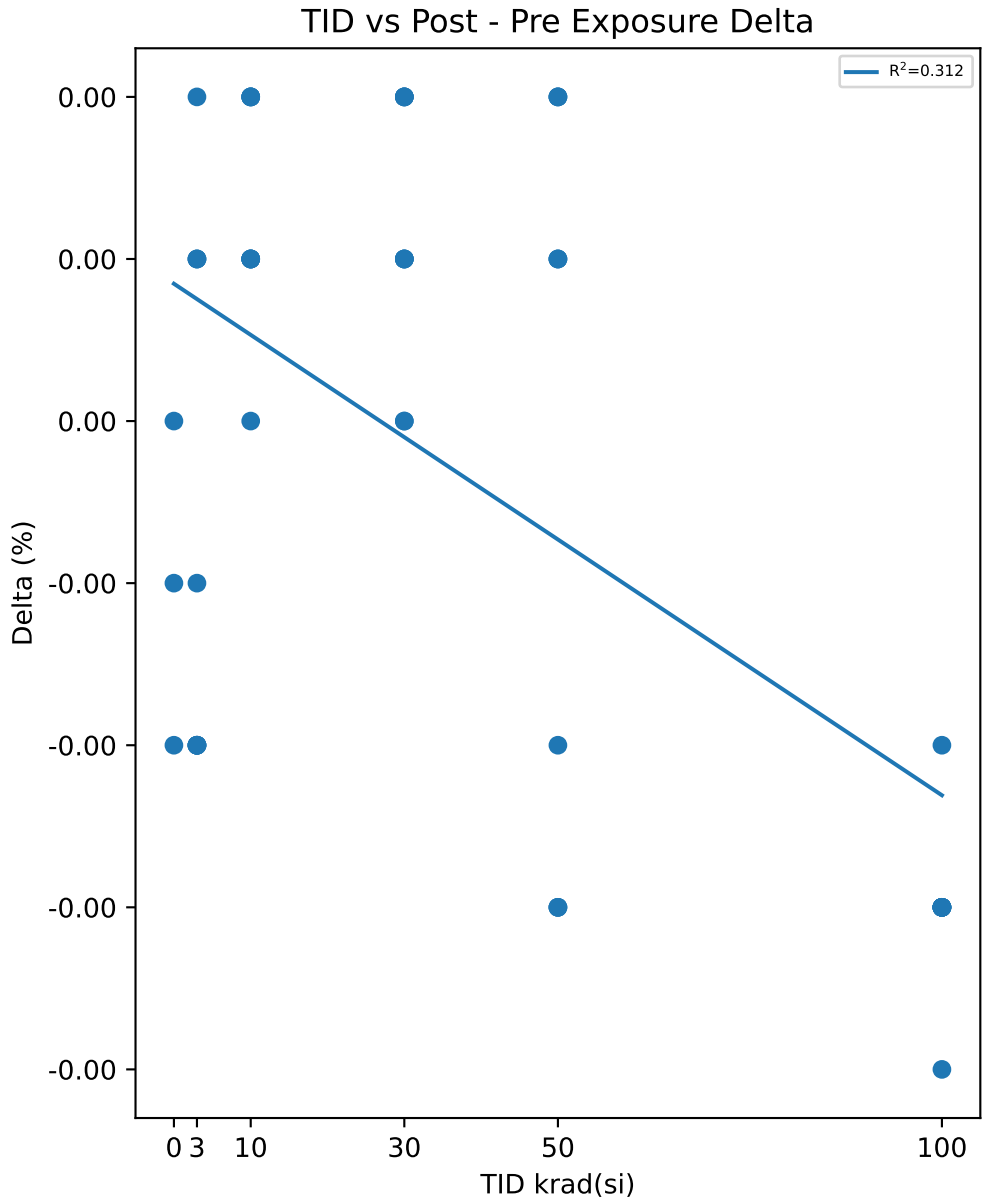
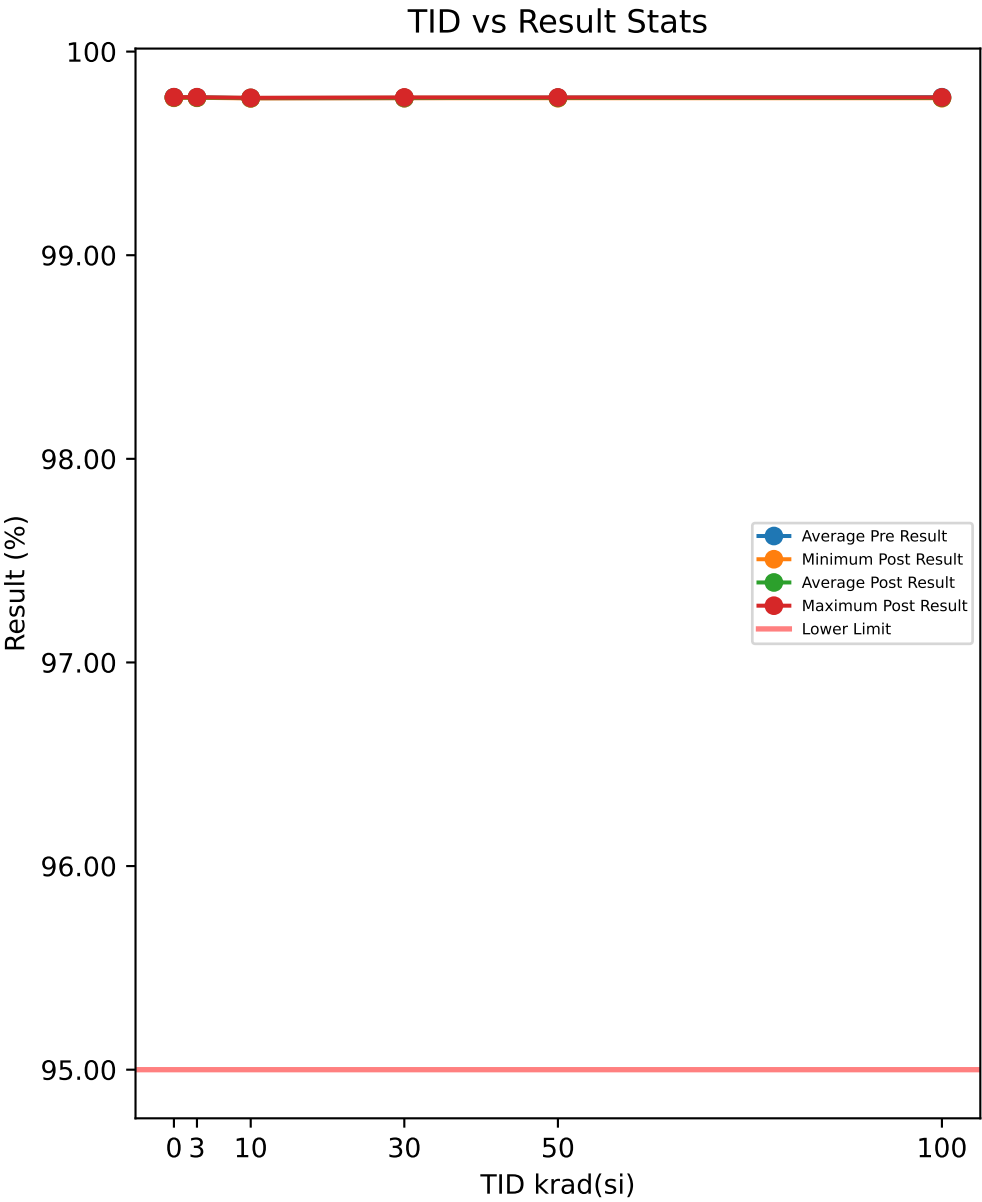
| Test Results (Lower Limit = 95.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 97.41      | 97.432      | 0.022  |
| 301                                   | 0        | Correlation         | 97.433     | 97.448      | 0.015  |
| 302                                   | 0        | Correlation         | 97.392     | 97.404      | 0.012  |
| 303                                   | 3        | Bias                | 97.344     | 97.39       | 0.046  |
| 304                                   | 3        | Bias                | 97.348     | 97.392      | 0.044  |
| 305                                   | 3        | Bias                | 97.375     | 97.419      | 0.044  |
| 306                                   | 3        | Bias                | 97.369     | 97.412      | 0.043  |
| 307                                   | 3        | Bias                | 97.341     | 97.387      | 0.046  |
| 308                                   | 3        | Unbiased            | 97.361     | 97.401      | 0.04   |
| 309                                   | 3        | Unbiased            | 97.396     | 97.396      | 0      |
| 310                                   | 3        | Unbiased            | 97.394     | 97.389      | -0.005 |
| 311                                   | 3        | Unbiased            | 97.43      | 97.432      | 0.002  |
| 312                                   | 3        | Unbiased            | 97.426     | 97.427      | 0.001  |
| 313                                   | 10       | Bias                | 97.408     | 97.396      | -0.012 |
| 314                                   | 10       | Bias                | 97.404     | 97.393      | -0.011 |
| 315                                   | 10       | Bias                | 97.379     | 97.362      | -0.017 |
| 316                                   | 10       | Bias                | 97.416     | 97.399      | -0.017 |
| 317                                   | 10       | Bias                | 97.388     | 97.374      | -0.014 |
| 318                                   | 10       | Unbiased            | 97.395     | 97.384      | -0.011 |
| 319                                   | 10       | Unbiased            | 97.389     | 97.381      | -0.008 |
| 320                                   | 10       | Unbiased            | 97.38      | 97.378      | -0.002 |
| 321                                   | 10       | Unbiased            | 97.393     | 97.367      | -0.026 |
| 322                                   | 10       | Unbiased            | 97.38      | 97.369      | -0.011 |
| 323                                   | 30       | Bias                | 97.401     | 97.352      | -0.049 |
| 324                                   | 30       | Bias                | 97.416     | 97.369      | -0.047 |
| 325                                   | 30       | Bias                | 97.378     | 97.325      | -0.053 |
| 326                                   | 30       | Bias                | 97.42      | 97.375      | -0.045 |
| 327                                   | 30       | Bias                | 97.397     | 97.347      | -0.05  |
| 328                                   | 30       | Unbiased            | 97.406     | 97.362      | -0.044 |
| 329                                   | 30       | Unbiased            | 97.401     | 97.359      | -0.042 |
| 330                                   | 30       | Unbiased            | 97.425     | 97.374      | -0.051 |
| 331                                   | 30       | Unbiased            | 97.393     | 97.343      | -0.05  |
| 332                                   | 30       | Unbiased            | 97.382     | 97.333      | -0.049 |
| 333                                   | 50       | Bias                | 97.432     | 97.357      | -0.075 |
| 334                                   | 50       | Bias                | 97.381     | 97.304      | -0.077 |
| 335                                   | 50       | Bias                | 97.388     | 97.302      | -0.086 |
| 336                                   | 50       | Bias                | 97.402     | 97.315      | -0.087 |
| 337                                   | 50       | Bias                | 97.37      | 97.286      | -0.084 |
| 338                                   | 50       | Unbiased            | 97.419     | 97.354      | -0.065 |
| 339                                   | 50       | Unbiased            | 97.374     | 97.335      | -0.039 |
| 340                                   | 50       | Unbiased            | 97.354     | 97.3        | -0.054 |
| 341                                   | 50       | Unbiased            | 97.38      | 97.334      | -0.046 |
| 342                                   | 50       | Unbiased            | 97.36      | 97.317      | -0.043 |
| 343                                   | 100      | Bias                | 97.372     | 97.261      | -0.111 |
| 344                                   | 100      | Bias                | 97.366     | 97.255      | -0.111 |
| 345                                   | 100      | Bias                | 97.374     | 97.247      | -0.127 |
| 346                                   | 100      | Bias                | 97.324     | 97.191      | -0.133 |
| 347                                   | 100      | Bias                | 97.358     | 97.234      | -0.124 |
| 348                                   | 100      | Unbiased            | 97.353     | 97.241      | -0.112 |
| 349                                   | 100      | Unbiased            | 97.372     | 97.271      | -0.101 |
| 350                                   | 100      | Unbiased            | 97.36      | 97.234      | -0.126 |
| 351                                   | 100      | Unbiased            | 97.34      | 97.206      | -0.134 |
| 352                                   | 100      | Unbiased            | 97.397     | 97.281      | -0.116 |

| Test Statistics (%) |                  |                  |                  |                  |                   |                   |                   |                   |           |           |           |           |
|---------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| krad(si)            | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
| 0                   | 97.392           | 97.412           | 97.433           | 0.020551         | 97.404            | 97.428            | 97.448            | 0.022271          | 0.012     | 0.016333  | 0.022     | 0.0051316 |
| 3                   | 97.341           | 97.378           | 97.43            | 0.032301         | 97.387            | 97.404            | 97.432            | 0.016755          | -0.005    | 0.0261    | 0.046     | 0.023024  |
| 10                  | 97.379           | 97.393           | 97.416           | 0.012709         | 97.362            | 97.38             | 97.399            | 0.01272           | -0.026    | -0.0129   | -0.002    | 0.0063325 |
| 30                  | 97.378           | 97.402           | 97.425           | 0.015452         | 97.325            | 97.354            | 97.375            | 0.017032          | -0.053    | -0.048    | -0.042    | 0.0034319 |
| 50                  | 97.354           | 97.386           | 97.432           | 0.025002         | 97.286            | 97.32             | 97.357            | 0.023838          | -0.087    | -0.0656   | -0.039    | 0.018763  |
| 100                 | 97.324           | 97.362           | 97.397           | 0.020034         | 97.191            | 97.242            | 97.281            | 0.027775          | -0.134    | -0.1195   | -0.101    | 0.010886  |



| Test Results (Lower Limit = 95.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 99.776     | 99.776      | 0      |
| 301                                   | 0        | Correlation         | 99.779     | 99.777      | -0.002 |
| 302                                   | 0        | Correlation         | 99.774     | 99.774      | 0      |
| 303                                   | 3        | Bias                | 99.777     | 99.776      | -0.001 |
| 304                                   | 3        | Bias                | 99.776     | 99.774      | -0.002 |
| 305                                   | 3        | Bias                | 99.776     | 99.774      | -0.002 |
| 306                                   | 3        | Bias                | 99.777     | 99.774      | -0.003 |
| 307                                   | 3        | Bias                | 99.776     | 99.774      | -0.002 |
| 308                                   | 3        | Unbiased            | 99.776     | 99.774      | -0.002 |
| 309                                   | 3        | Unbiased            | 99.774     | 99.774      | 0      |
| 310                                   | 3        | Unbiased            | 99.773     | 99.774      | 0.001  |
| 311                                   | 3        | Unbiased            | 99.775     | 99.776      | 0.001  |
| 312                                   | 3        | Unbiased            | 99.776     | 99.776      | 0      |
| 313                                   | 10       | Bias                | 99.773     | 99.774      | 0.001  |
| 314                                   | 10       | Bias                | 99.772     | 99.773      | 0.001  |
| 315                                   | 10       | Bias                | 99.771     | 99.771      | 0      |
| 316                                   | 10       | Bias                | 99.772     | 99.773      | 0.001  |
| 317                                   | 10       | Bias                | 99.771     | 99.772      | 0.001  |
| 318                                   | 10       | Unbiased            | 99.772     | 99.773      | 0.001  |
| 319                                   | 10       | Unbiased            | 99.773     | 99.774      | 0.001  |
| 320                                   | 10       | Unbiased            | 99.772     | 99.773      | 0.001  |
| 321                                   | 10       | Unbiased            | 99.773     | 99.773      | 0      |
| 322                                   | 10       | Unbiased            | 99.772     | 99.773      | 0.001  |
| 323                                   | 30       | Bias                | 99.772     | 99.773      | 0.001  |
| 324                                   | 30       | Bias                | 99.772     | 99.773      | 0.001  |
| 325                                   | 30       | Bias                | 99.771     | 99.772      | 0.001  |
| 326                                   | 30       | Bias                | 99.774     | 99.775      | 0.001  |
| 327                                   | 30       | Bias                | 99.773     | 99.773      | 0      |
| 328                                   | 30       | Unbiased            | 99.773     | 99.773      | 0      |
| 329                                   | 30       | Unbiased            | 99.773     | 99.774      | 0.001  |
| 330                                   | 30       | Unbiased            | 99.772     | 99.773      | 0.001  |
| 331                                   | 30       | Unbiased            | 99.773     | 99.773      | 0      |
| 332                                   | 30       | Unbiased            | 99.773     | 99.773      | 0      |
| 333                                   | 50       | Bias                | 99.772     | 99.774      | 0.002  |
| 334                                   | 50       | Bias                | 99.771     | 99.772      | 0.001  |
| 335                                   | 50       | Bias                | 99.774     | 99.775      | 0.001  |
| 336                                   | 50       | Bias                | 99.774     | 99.775      | 0.001  |
| 337                                   | 50       | Bias                | 99.769     | 99.771      | 0.002  |
| 338                                   | 50       | Unbiased            | 99.773     | 99.774      | 0.001  |
| 339                                   | 50       | Unbiased            | 99.777     | 99.774      | -0.003 |
| 340                                   | 50       | Unbiased            | 99.775     | 99.772      | -0.003 |
| 341                                   | 50       | Unbiased            | 99.778     | 99.775      | -0.003 |
| 342                                   | 50       | Unbiased            | 99.776     | 99.773      | -0.003 |
| 343                                   | 100      | Bias                | 99.776     | 99.774      | -0.002 |
| 344                                   | 100      | Bias                | 99.775     | 99.773      | -0.002 |
| 345                                   | 100      | Bias                | 99.776     | 99.775      | -0.001 |
| 346                                   | 100      | Bias                | 99.774     | 99.773      | -0.001 |
| 347                                   | 100      | Bias                | 99.775     | 99.773      | -0.002 |
| 348                                   | 100      | Unbiased            | 99.777     | 99.774      | -0.003 |
| 349                                   | 100      | Unbiased            | 99.775     | 99.772      | -0.003 |
| 350                                   | 100      | Unbiased            | 99.776     | 99.774      | -0.002 |
| 351                                   | 100      | Unbiased            | 99.774     | 99.771      | -0.003 |
| 352                                   | 100      | Unbiased            | 99.777     | 99.776      | -0.001 |

| Test Statistics (%) |                  |                  |                  |                  |                   |                   |                   |                   |           |             |           |            |
|---------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|------------|
| krad(si)            | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta  |
| 0                   | 99.774           | 99.776           | 99.779           | 0.0025166        | 99.774            | 99.776            | 99.777            | 0.0015275         | -0.002    | -0.00066667 | 0         | 0.0011547  |
| 3                   | 99.773           | 99.776           | 99.777           | 0.0012649        | 99.774            | 99.775            | 99.776            | 0.00096609        | -0.003    | -0.001      | 0.001     | 0.0014142  |
| 10                  | 99.771           | 99.772           | 99.773           | 0.00073786       | 99.771            | 99.773            | 99.774            | 0.0008756         | 0         | 0.0008      | 0.001     | 0.00042164 |
| 30                  | 99.771           | 99.773           | 99.774           | 0.00084327       | 99.772            | 99.773            | 99.775            | 0.00078881        | 0         | 0.0006      | 0.001     | 0.0005164  |
| 50                  | 99.769           | 99.774           | 99.778           | 0.0027669        | 99.771            | 99.773            | 99.775            | 0.0014337         | -0.003    | -0.0004     | 0.002     | 0.0022706  |
| 100                 | 99.774           | 99.775           | 99.777           | 0.0010801        | 99.771            | 99.773            | 99.776            | 0.0014337         | -0.003    | -0.002      | -0.001    | 0.0008165  |

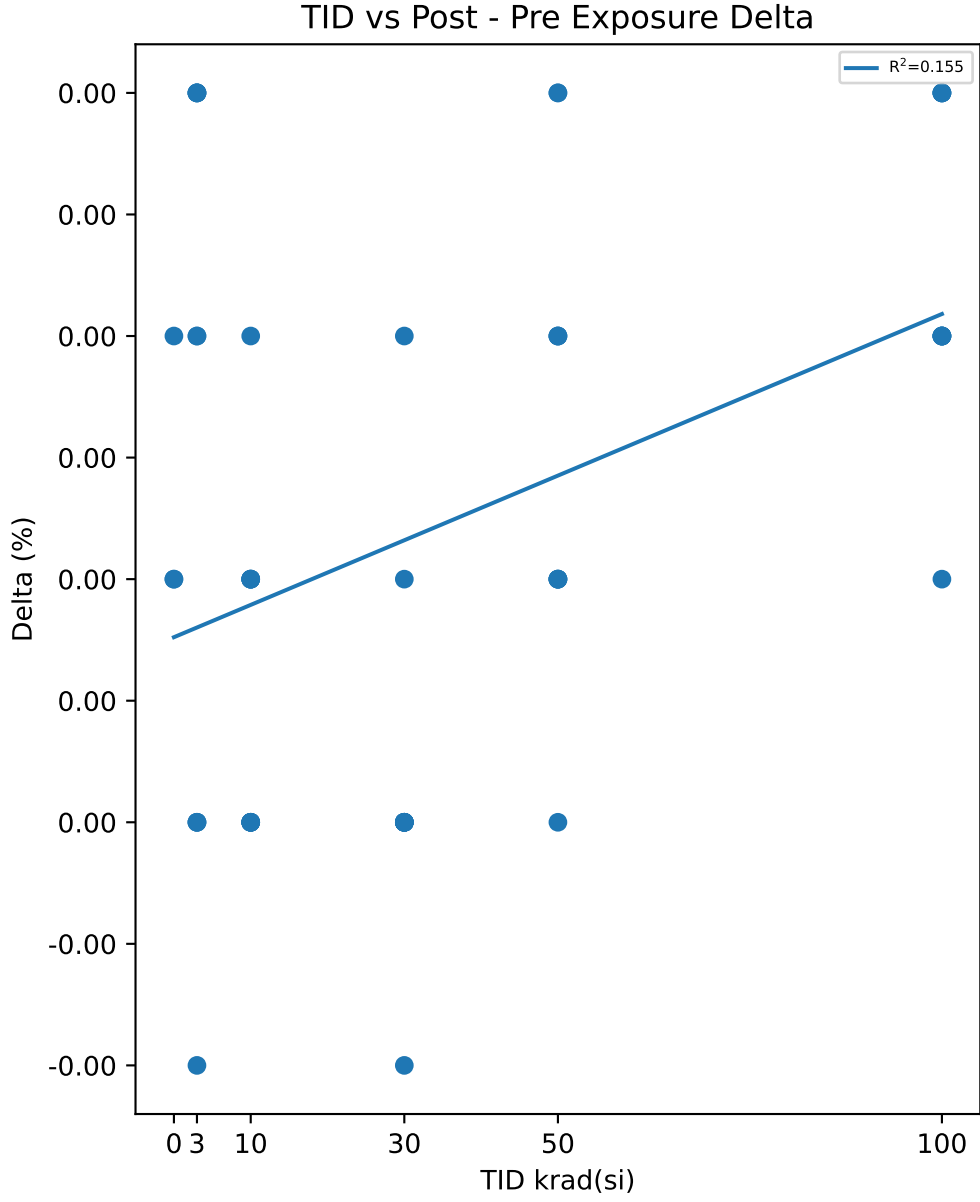
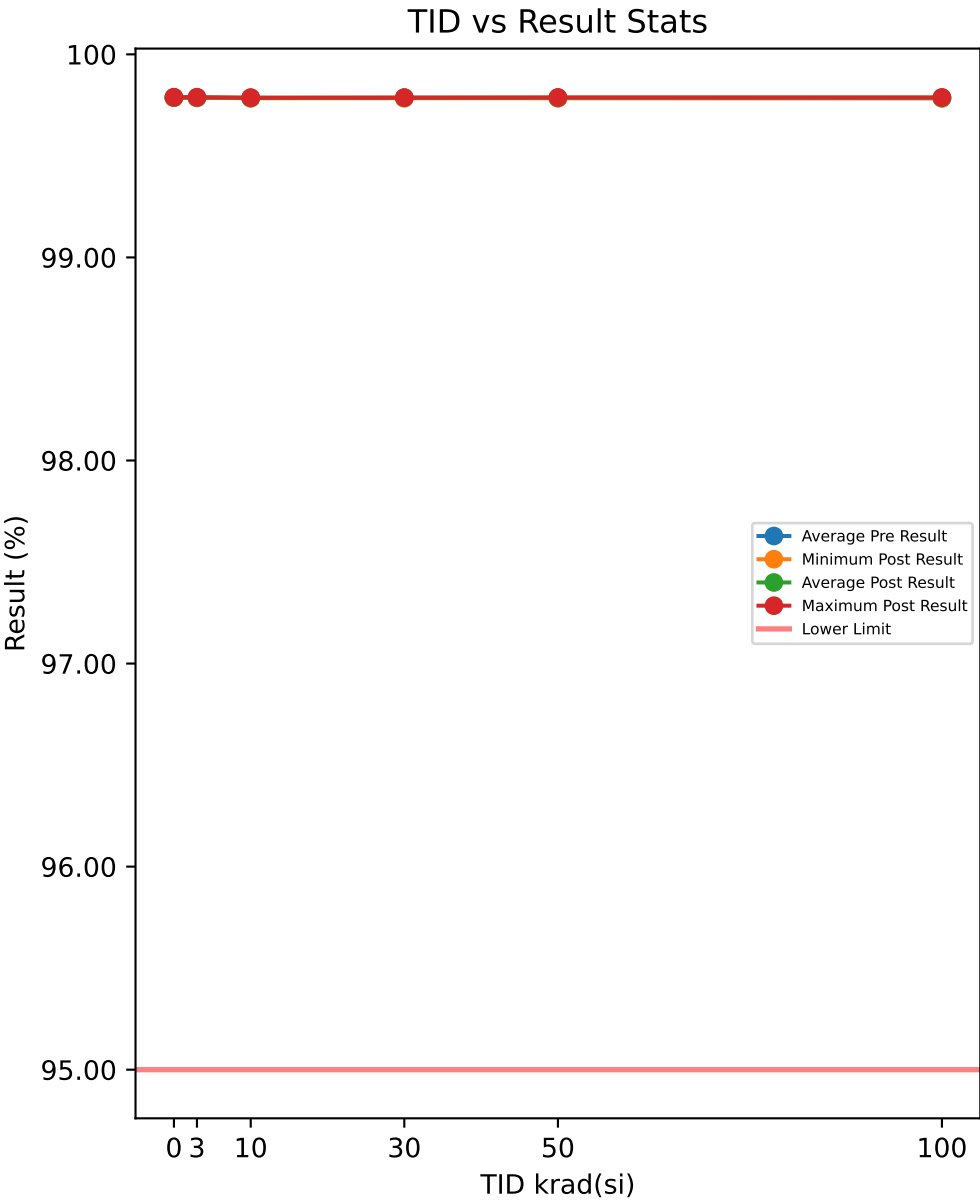


| Test Results (Lower Limit = 95.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 99.775     | 99.775      | 0      |
| 301                                   | 0        | Correlation         | 99.777     | 99.776      | -0.001 |
| 302                                   | 0        | Correlation         | 99.775     | 99.773      | -0.002 |
| 303                                   | 3        | Bias                | 99.776     | 99.774      | -0.002 |
| 304                                   | 3        | Bias                | 99.775     | 99.773      | -0.002 |
| 305                                   | 3        | Bias                | 99.775     | 99.774      | -0.001 |
| 306                                   | 3        | Bias                | 99.776     | 99.774      | -0.002 |
| 307                                   | 3        | Bias                | 99.776     | 99.774      | -0.002 |
| 308                                   | 3        | Unbiased            | 99.776     | 99.774      | -0.002 |
| 309                                   | 3        | Unbiased            | 99.772     | 99.773      | 0.001  |
| 310                                   | 3        | Unbiased            | 99.772     | 99.773      | 0.001  |
| 311                                   | 3        | Unbiased            | 99.775     | 99.776      | 0.001  |
| 312                                   | 3        | Unbiased            | 99.774     | 99.776      | 0.002  |
| 313                                   | 10       | Bias                | 99.771     | 99.773      | 0.002  |
| 314                                   | 10       | Bias                | 99.771     | 99.772      | 0.001  |
| 315                                   | 10       | Bias                | 99.77      | 99.77       | 0      |
| 316                                   | 10       | Bias                | 99.77      | 99.772      | 0.002  |
| 317                                   | 10       | Bias                | 99.771     | 99.772      | 0.001  |
| 318                                   | 10       | Unbiased            | 99.772     | 99.773      | 0.001  |
| 319                                   | 10       | Unbiased            | 99.771     | 99.772      | 0.001  |
| 320                                   | 10       | Unbiased            | 99.771     | 99.773      | 0.002  |
| 321                                   | 10       | Unbiased            | 99.772     | 99.773      | 0.001  |
| 322                                   | 10       | Unbiased            | 99.77      | 99.772      | 0.002  |
| 323                                   | 30       | Bias                | 99.772     | 99.774      | 0.002  |
| 324                                   | 30       | Bias                | 99.771     | 99.772      | 0.001  |
| 325                                   | 30       | Bias                | 99.77      | 99.772      | 0.002  |
| 326                                   | 30       | Bias                | 99.773     | 99.775      | 0.002  |
| 327                                   | 30       | Bias                | 99.77      | 99.771      | 0.001  |
| 328                                   | 30       | Unbiased            | 99.772     | 99.773      | 0.001  |
| 329                                   | 30       | Unbiased            | 99.771     | 99.773      | 0.002  |
| 330                                   | 30       | Unbiased            | 99.772     | 99.772      | 0      |
| 331                                   | 30       | Unbiased            | 99.772     | 99.773      | 0.001  |
| 332                                   | 30       | Unbiased            | 99.773     | 99.773      | 0      |
| 333                                   | 50       | Bias                | 99.772     | 99.773      | 0.001  |
| 334                                   | 50       | Bias                | 99.771     | 99.772      | 0.001  |
| 335                                   | 50       | Bias                | 99.773     | 99.775      | 0.002  |
| 336                                   | 50       | Bias                | 99.773     | 99.774      | 0.001  |
| 337                                   | 50       | Bias                | 99.769     | 99.771      | 0.002  |
| 338                                   | 50       | Unbiased            | 99.772     | 99.774      | 0.002  |
| 339                                   | 50       | Unbiased            | 99.776     | 99.773      | -0.003 |
| 340                                   | 50       | Unbiased            | 99.776     | 99.773      | -0.003 |
| 341                                   | 50       | Unbiased            | 99.776     | 99.773      | -0.003 |
| 342                                   | 50       | Unbiased            | 99.774     | 99.772      | -0.002 |
| 343                                   | 100      | Bias                | 99.777     | 99.774      | -0.003 |
| 344                                   | 100      | Bias                | 99.776     | 99.773      | -0.003 |
| 345                                   | 100      | Bias                | 99.776     | 99.773      | -0.003 |
| 346                                   | 100      | Bias                | 99.774     | 99.771      | -0.003 |
| 347                                   | 100      | Bias                | 99.776     | 99.773      | -0.003 |
| 348                                   | 100      | Unbiased            | 99.777     | 99.774      | -0.003 |
| 349                                   | 100      | Unbiased            | 99.776     | 99.772      | -0.004 |
| 350                                   | 100      | Unbiased            | 99.776     | 99.773      | -0.003 |
| 351                                   | 100      | Unbiased            | 99.774     | 99.771      | -0.003 |
| 352                                   | 100      | Unbiased            | 99.777     | 99.775      | -0.002 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| 0        | 99.775           | 99.776           | 99.777           | 0.0011547        | 99.773            | 99.775            | 99.776            | 0.0015275         | -0.002    | -0.001    | 0         | 0.001      |
| 3        | 99.772           | 99.775           | 99.776           | 0.001567         | 99.773            | 99.774            | 99.776            | 0.0011005         | -0.002    | -0.0006   | 0.002     | 0.0016465  |
| 10       | 99.77            | 99.771           | 99.772           | 0.00073786       | 99.77             | 99.772            | 99.773            | 0.00091894        | 0         | 0.0013    | 0.002     | 0.00067495 |
| 30       | 99.77            | 99.772           | 99.773           | 0.001075         | 99.771            | 99.773            | 99.775            | 0.0011353         | 0         | 0.0012    | 0.002     | 0.00078881 |
| 50       | 99.769           | 99.773           | 99.776           | 0.0023476        | 99.771            | 99.773            | 99.775            | 0.0011547         | -0.003    | -0.0002   | 0.002     | 0.0022509  |
| 100      | 99.774           | 99.776           | 99.777           | 0.0011005        | 99.771            | 99.773            | 99.775            | 0.0012867         | -0.004    | -0.003    | -0.002    | 0.0004714  |

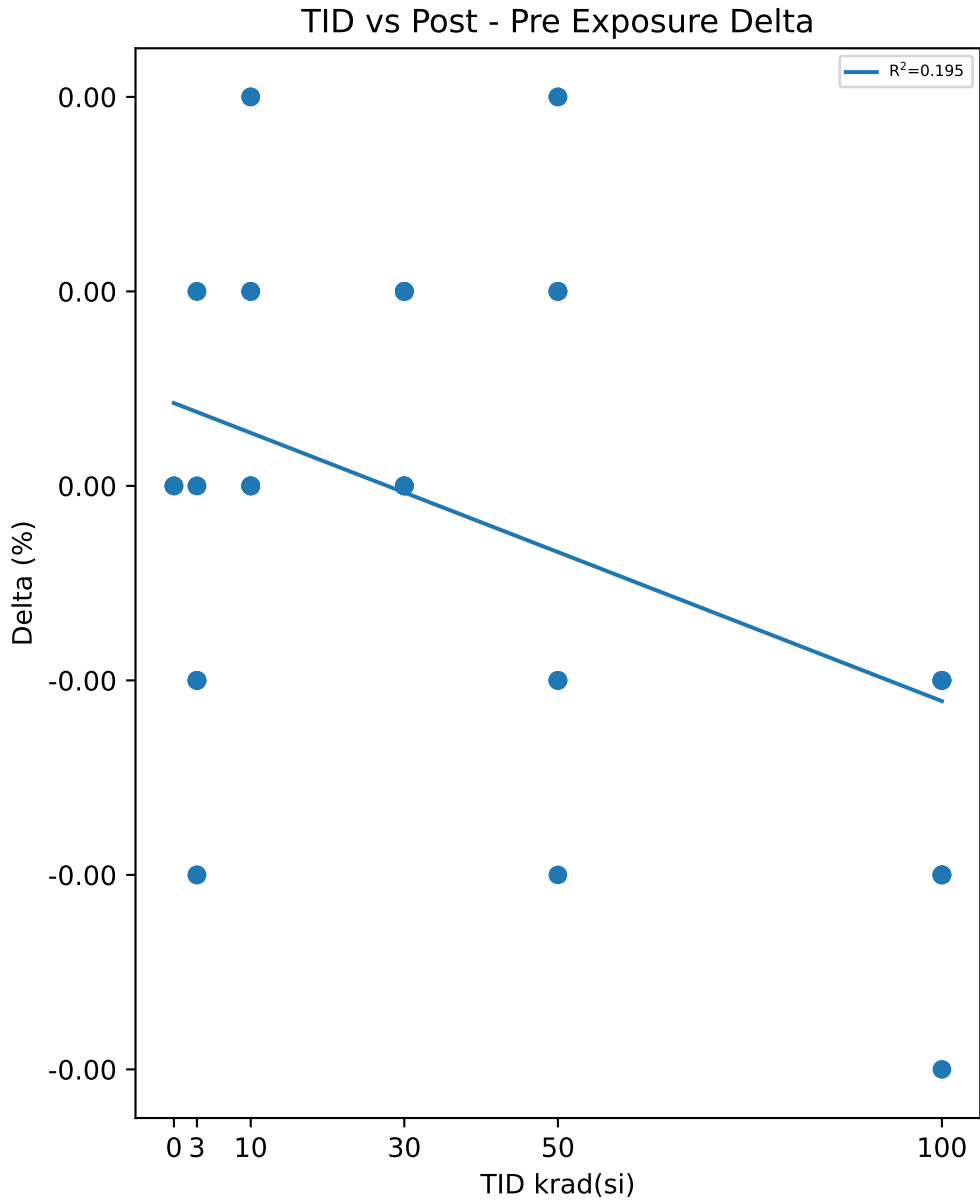
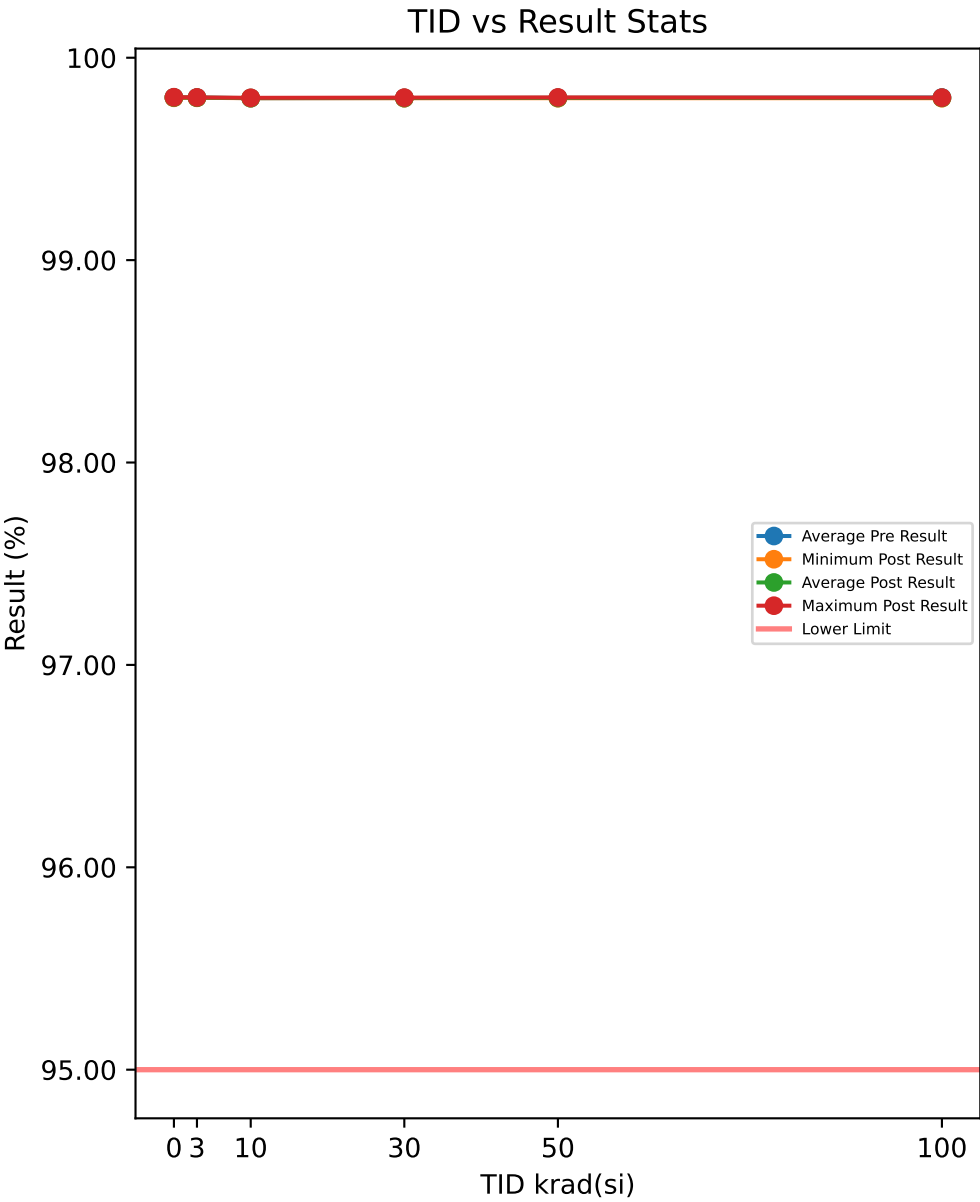




| Test Results (Lower Limit = 95.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 99.786     | 99.788      | 0.002  |
| 301                                   | 0        | Correlation         | 99.788     | 99.789      | 0.001  |
| 302                                   | 0        | Correlation         | 99.786     | 99.787      | 0.001  |
| 303                                   | 3        | Bias                | 99.786     | 99.789      | 0.003  |
| 304                                   | 3        | Bias                | 99.784     | 99.787      | 0.003  |
| 305                                   | 3        | Bias                | 99.785     | 99.788      | 0.003  |
| 306                                   | 3        | Bias                | 99.784     | 99.786      | 0.002  |
| 307                                   | 3        | Bias                | 99.785     | 99.788      | 0.003  |
| 308                                   | 3        | Unbiased            | 99.785     | 99.787      | 0.002  |
| 309                                   | 3        | Unbiased            | 99.786     | 99.786      | 0      |
| 310                                   | 3        | Unbiased            | 99.787     | 99.786      | -0.001 |
| 311                                   | 3        | Unbiased            | 99.788     | 99.788      | 0      |
| 312                                   | 3        | Unbiased            | 99.788     | 99.788      | 0      |
| 313                                   | 10       | Bias                | 99.786     | 99.786      | 0      |
| 314                                   | 10       | Bias                | 99.785     | 99.786      | 0.001  |
| 315                                   | 10       | Bias                | 99.784     | 99.784      | 0      |
| 316                                   | 10       | Bias                | 99.785     | 99.785      | 0      |
| 317                                   | 10       | Bias                | 99.785     | 99.785      | 0      |
| 318                                   | 10       | Unbiased            | 99.786     | 99.787      | 0.001  |
| 319                                   | 10       | Unbiased            | 99.784     | 99.786      | 0.002  |
| 320                                   | 10       | Unbiased            | 99.784     | 99.785      | 0.001  |
| 321                                   | 10       | Unbiased            | 99.785     | 99.785      | 0      |
| 322                                   | 10       | Unbiased            | 99.784     | 99.785      | 0.001  |
| 323                                   | 30       | Bias                | 99.787     | 99.787      | 0      |
| 324                                   | 30       | Bias                | 99.785     | 99.785      | 0      |
| 325                                   | 30       | Bias                | 99.784     | 99.786      | 0.002  |
| 326                                   | 30       | Bias                | 99.787     | 99.787      | 0      |
| 327                                   | 30       | Bias                | 99.784     | 99.784      | 0      |
| 328                                   | 30       | Unbiased            | 99.786     | 99.786      | 0      |
| 329                                   | 30       | Unbiased            | 99.786     | 99.786      | 0      |
| 330                                   | 30       | Unbiased            | 99.786     | 99.787      | 0.001  |
| 331                                   | 30       | Unbiased            | 99.786     | 99.786      | 0      |
| 332                                   | 30       | Unbiased            | 99.787     | 99.786      | -0.001 |
| 333                                   | 50       | Bias                | 99.786     | 99.787      | 0.001  |
| 334                                   | 50       | Bias                | 99.784     | 99.785      | 0.001  |
| 335                                   | 50       | Bias                | 99.786     | 99.787      | 0.001  |
| 336                                   | 50       | Bias                | 99.788     | 99.788      | 0      |
| 337                                   | 50       | Bias                | 99.783     | 99.784      | 0.001  |
| 338                                   | 50       | Unbiased            | 99.785     | 99.787      | 0.002  |
| 339                                   | 50       | Unbiased            | 99.784     | 99.786      | 0.002  |
| 340                                   | 50       | Unbiased            | 99.784     | 99.786      | 0.002  |
| 341                                   | 50       | Unbiased            | 99.785     | 99.788      | 0.003  |
| 342                                   | 50       | Unbiased            | 99.782     | 99.785      | 0.003  |
| 343                                   | 100      | Bias                | 99.785     | 99.787      | 0.002  |
| 344                                   | 100      | Bias                | 99.784     | 99.787      | 0.003  |
| 345                                   | 100      | Bias                | 99.784     | 99.787      | 0.003  |
| 346                                   | 100      | Bias                | 99.782     | 99.785      | 0.003  |
| 347                                   | 100      | Bias                | 99.784     | 99.786      | 0.002  |
| 348                                   | 100      | Unbiased            | 99.785     | 99.787      | 0.002  |
| 349                                   | 100      | Unbiased            | 99.783     | 99.784      | 0.001  |
| 350                                   | 100      | Unbiased            | 99.784     | 99.787      | 0.003  |
| 351                                   | 100      | Unbiased            | 99.782     | 99.784      | 0.002  |
| 352                                   | 100      | Unbiased            | 99.786     | 99.788      | 0.002  |

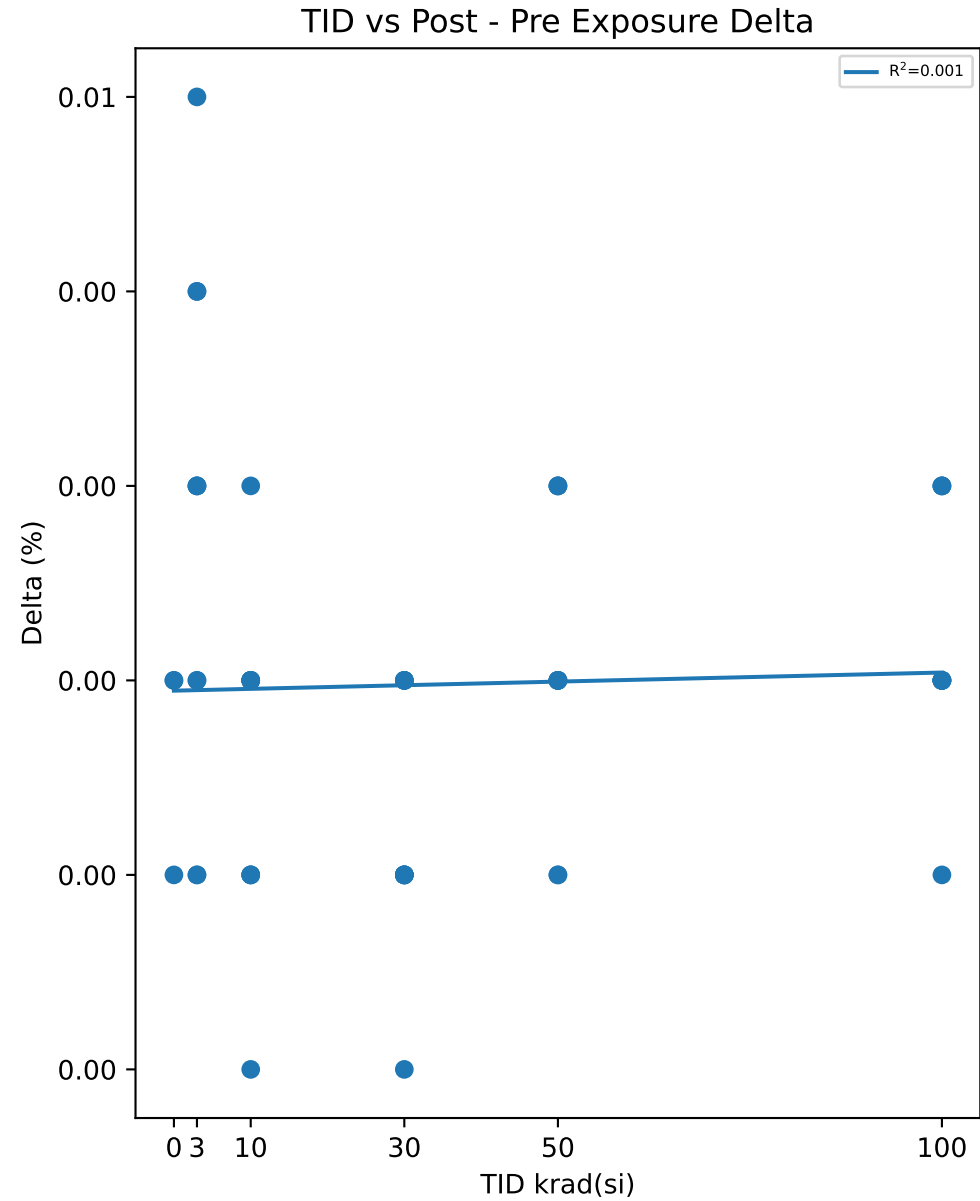
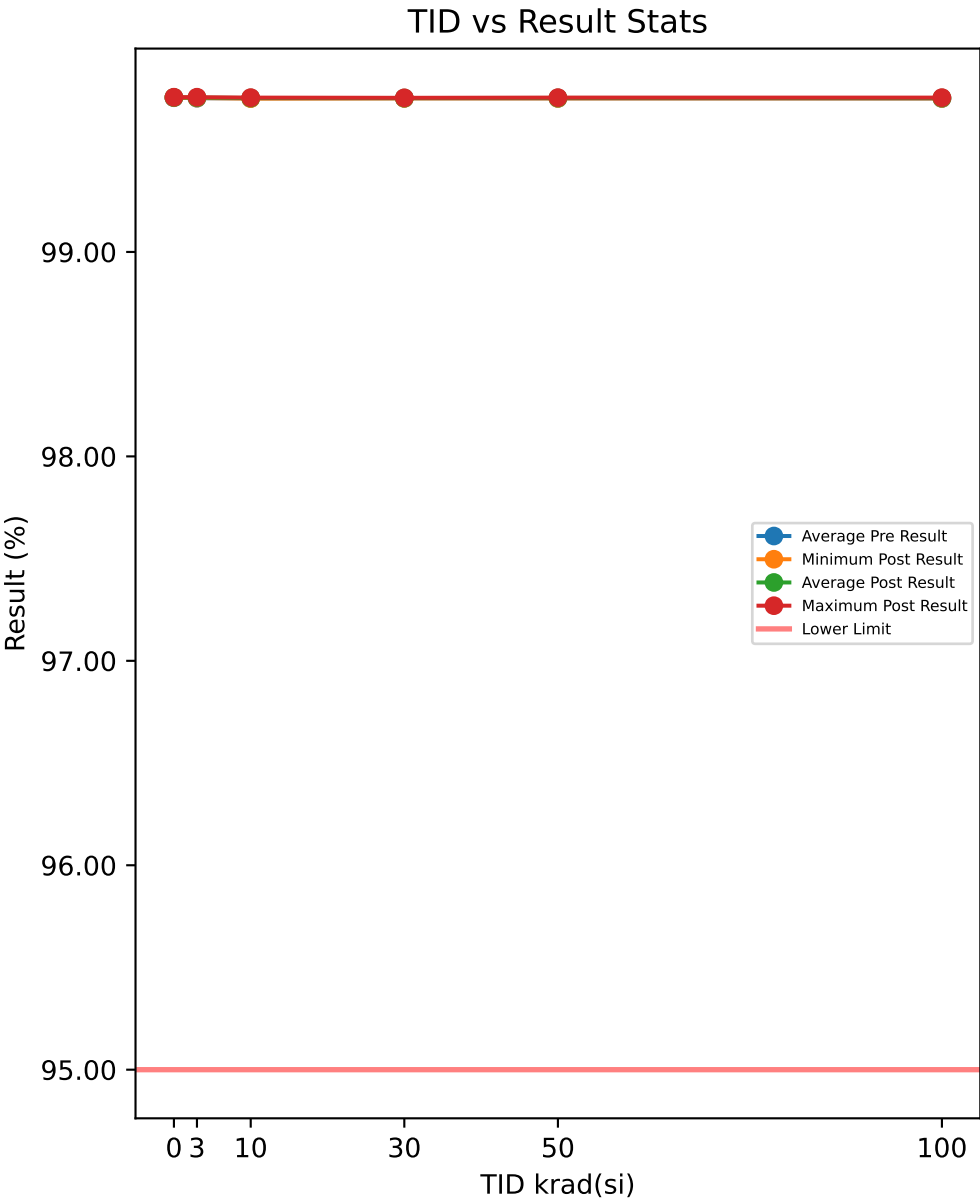
Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| 0        | 99.786           | 99.787           | 99.788           | 0.0011547        | 99.787            | 99.788            | 99.789            | 0.001             | 0.001     | 0.0013333 | 0.002     | 0.00057735 |
| 3        | 99.784           | 99.786           | 99.788           | 0.0014757        | 99.786            | 99.787            | 99.789            | 0.0010593         | -0.001    | 0.0015    | 0.003     | 0.0015811  |
| 10       | 99.784           | 99.785           | 99.786           | 0.00078881       | 99.784            | 99.785            | 99.787            | 0.00084327        | 0         | 0.0006    | 0.002     | 0.00069921 |
| 30       | 99.784           | 99.786           | 99.787           | 0.0011353        | 99.784            | 99.786            | 99.787            | 0.00094281        | -0.001    | 0.0002    | 0.002     | 0.00078881 |
| 50       | 99.782           | 99.785           | 99.788           | 0.0017029        | 99.784            | 99.786            | 99.788            | 0.0013375         | 0         | 0.0016    | 0.003     | 0.00096609 |
| 100      | 99.782           | 99.784           | 99.786           | 0.0012867        | 99.784            | 99.786            | 99.788            | 0.0013984         | 0.001     | 0.0023    | 0.003     | 0.00067495 |



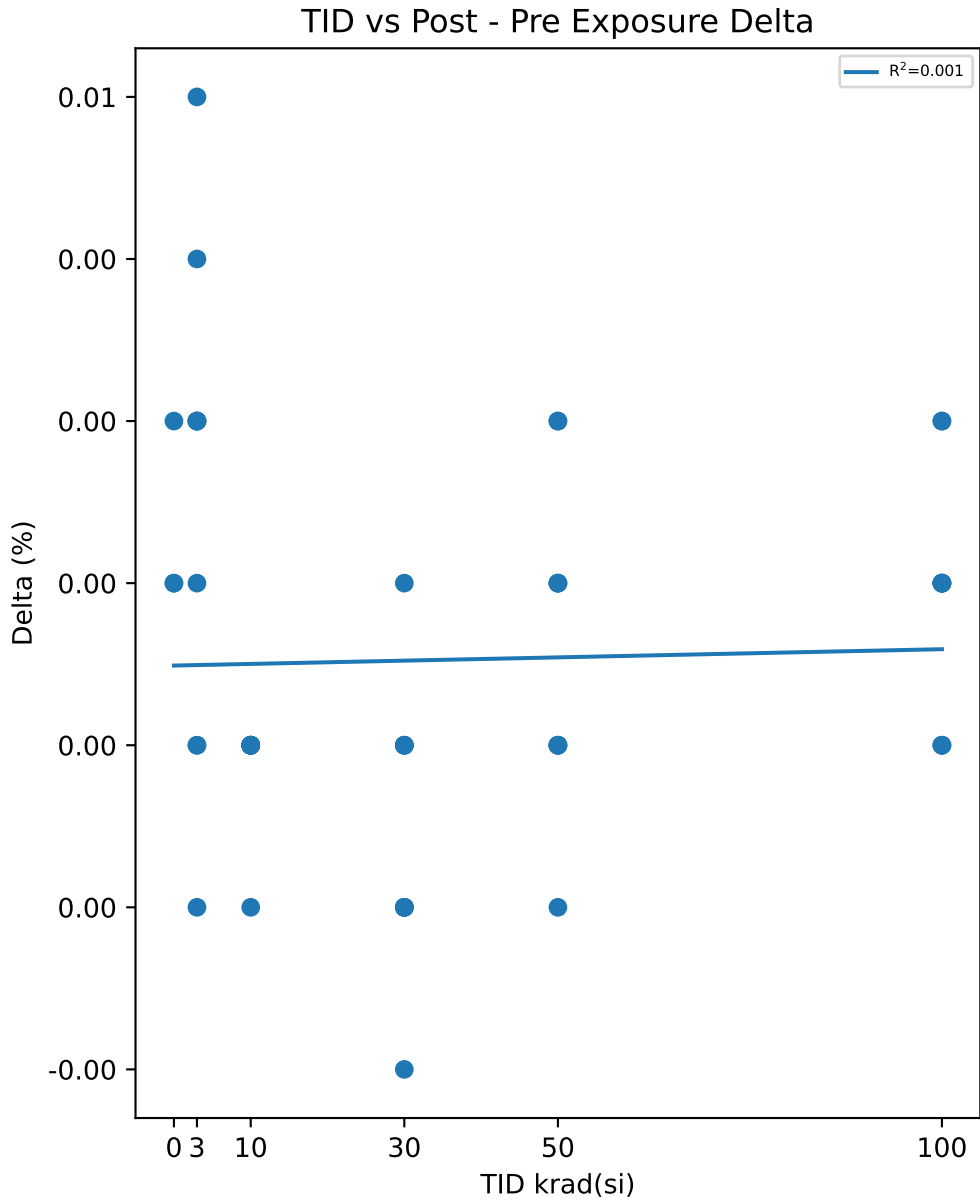
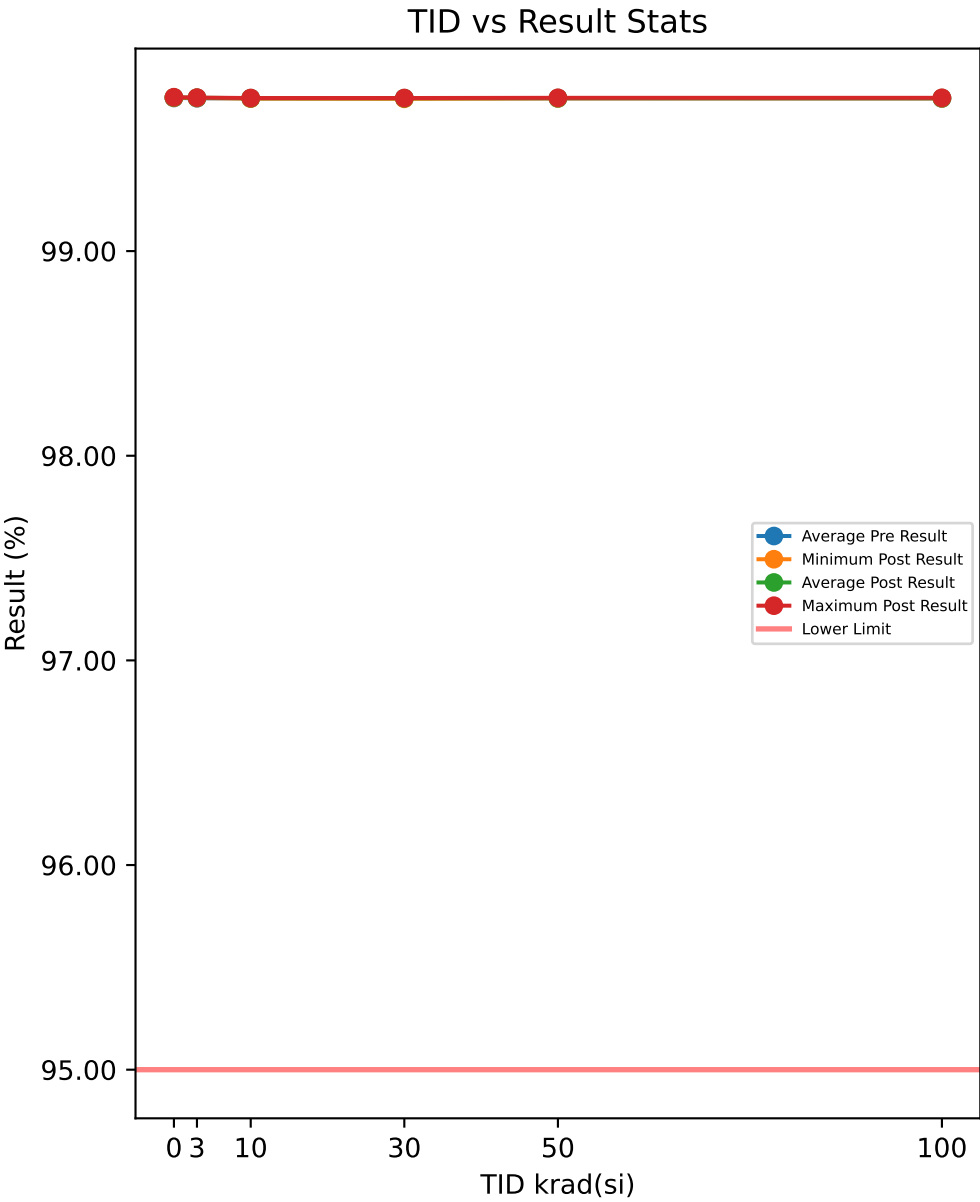
| Test Results (Lower Limit = 95.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 99.804     | 99.804      | 0      |
| 301                                   | 0        | Correlation         | 99.805     | 99.805      | 0      |
| 302                                   | 0        | Correlation         | 99.802     | 99.802      | 0      |
| 303                                   | 3        | Bias                | 99.804     | 99.803      | -0.001 |
| 304                                   | 3        | Bias                | 99.803     | 99.802      | -0.001 |
| 305                                   | 3        | Bias                | 99.804     | 99.803      | -0.001 |
| 306                                   | 3        | Bias                | 99.804     | 99.802      | -0.002 |
| 307                                   | 3        | Bias                | 99.803     | 99.802      | -0.001 |
| 308                                   | 3        | Unbiased            | 99.804     | 99.802      | -0.002 |
| 309                                   | 3        | Unbiased            | 99.801     | 99.802      | 0.001  |
| 310                                   | 3        | Unbiased            | 99.802     | 99.802      | 0      |
| 311                                   | 3        | Unbiased            | 99.803     | 99.803      | 0      |
| 312                                   | 3        | Unbiased            | 99.803     | 99.804      | 0.001  |
| 313                                   | 10       | Bias                | 99.802     | 99.802      | 0      |
| 314                                   | 10       | Bias                | 99.801     | 99.801      | 0      |
| 315                                   | 10       | Bias                | 99.799     | 99.8        | 0.001  |
| 316                                   | 10       | Bias                | 99.8       | 99.801      | 0.001  |
| 317                                   | 10       | Bias                | 99.8       | 99.8        | 0      |
| 318                                   | 10       | Unbiased            | 99.802     | 99.802      | 0      |
| 319                                   | 10       | Unbiased            | 99.799     | 99.801      | 0.002  |
| 320                                   | 10       | Unbiased            | 99.799     | 99.801      | 0.002  |
| 321                                   | 10       | Unbiased            | 99.8       | 99.8        | 0      |
| 322                                   | 10       | Unbiased            | 99.799     | 99.8        | 0.001  |
| 323                                   | 30       | Bias                | 99.802     | 99.802      | 0      |
| 324                                   | 30       | Bias                | 99.8       | 99.801      | 0.001  |
| 325                                   | 30       | Bias                | 99.799     | 99.8        | 0.001  |
| 326                                   | 30       | Bias                | 99.802     | 99.803      | 0.001  |
| 327                                   | 30       | Bias                | 99.8       | 99.8        | 0      |
| 328                                   | 30       | Unbiased            | 99.801     | 99.801      | 0      |
| 329                                   | 30       | Unbiased            | 99.801     | 99.801      | 0      |
| 330                                   | 30       | Unbiased            | 99.801     | 99.802      | 0.001  |
| 331                                   | 30       | Unbiased            | 99.8       | 99.801      | 0.001  |
| 332                                   | 30       | Unbiased            | 99.801     | 99.801      | 0      |
| 333                                   | 50       | Bias                | 99.802     | 99.803      | 0.001  |
| 334                                   | 50       | Bias                | 99.798     | 99.8        | 0.002  |
| 335                                   | 50       | Bias                | 99.801     | 99.802      | 0.001  |
| 336                                   | 50       | Bias                | 99.803     | 99.804      | 0.001  |
| 337                                   | 50       | Bias                | 99.798     | 99.8        | 0.002  |
| 338                                   | 50       | Unbiased            | 99.801     | 99.802      | 0.001  |
| 339                                   | 50       | Unbiased            | 99.803     | 99.802      | -0.001 |
| 340                                   | 50       | Unbiased            | 99.803     | 99.801      | -0.002 |
| 341                                   | 50       | Unbiased            | 99.803     | 99.802      | -0.001 |
| 342                                   | 50       | Unbiased            | 99.802     | 99.801      | -0.001 |
| 343                                   | 100      | Bias                | 99.804     | 99.803      | -0.001 |
| 344                                   | 100      | Bias                | 99.803     | 99.802      | -0.001 |
| 345                                   | 100      | Bias                | 99.803     | 99.802      | -0.001 |
| 346                                   | 100      | Bias                | 99.801     | 99.8        | -0.001 |
| 347                                   | 100      | Bias                | 99.804     | 99.802      | -0.002 |
| 348                                   | 100      | Unbiased            | 99.805     | 99.802      | -0.003 |
| 349                                   | 100      | Unbiased            | 99.802     | 99.8        | -0.002 |
| 350                                   | 100      | Unbiased            | 99.803     | 99.802      | -0.001 |
| 351                                   | 100      | Unbiased            | 99.802     | 99.8        | -0.002 |
| 352                                   | 100      | Unbiased            | 99.805     | 99.803      | -0.002 |

| Test Statistics (%) |                  |                  |                  |                  |                   |                   |                   |                   |           |           |           |            |
|---------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| krad(si)            | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
| 0                   | 99.802           | 99.804           | 99.805           | 0.0015275        | 99.802            | 99.804            | 99.805            | 0.0015275         | 0         | 0         | 0         | 0          |
| 3                   | 99.801           | 99.803           | 99.804           | 0.00099443       | 99.802            | 99.803            | 99.804            | 0.00070711        | -0.002    | -0.0006   | 0.001     | 0.001075   |
| 10                  | 99.799           | 99.8             | 99.802           | 0.0011972        | 99.8              | 99.801            | 99.802            | 0.00078881        | 0         | 0.0007    | 0.002     | 0.00082327 |
| 30                  | 99.799           | 99.801           | 99.802           | 0.00094868       | 99.8              | 99.801            | 99.803            | 0.00091894        | 0         | 0.0005    | 0.001     | 0.00052705 |
| 50                  | 99.798           | 99.801           | 99.803           | 0.0019551        | 99.8              | 99.802            | 99.804            | 0.0012517         | -0.002    | 0.0003    | 0.002     | 0.0014181  |
| 100                 | 99.801           | 99.803           | 99.805           | 0.0013166        | 99.8              | 99.802            | 99.803            | 0.0011738         | -0.003    | -0.0016   | -0.001    | 0.00069921 |



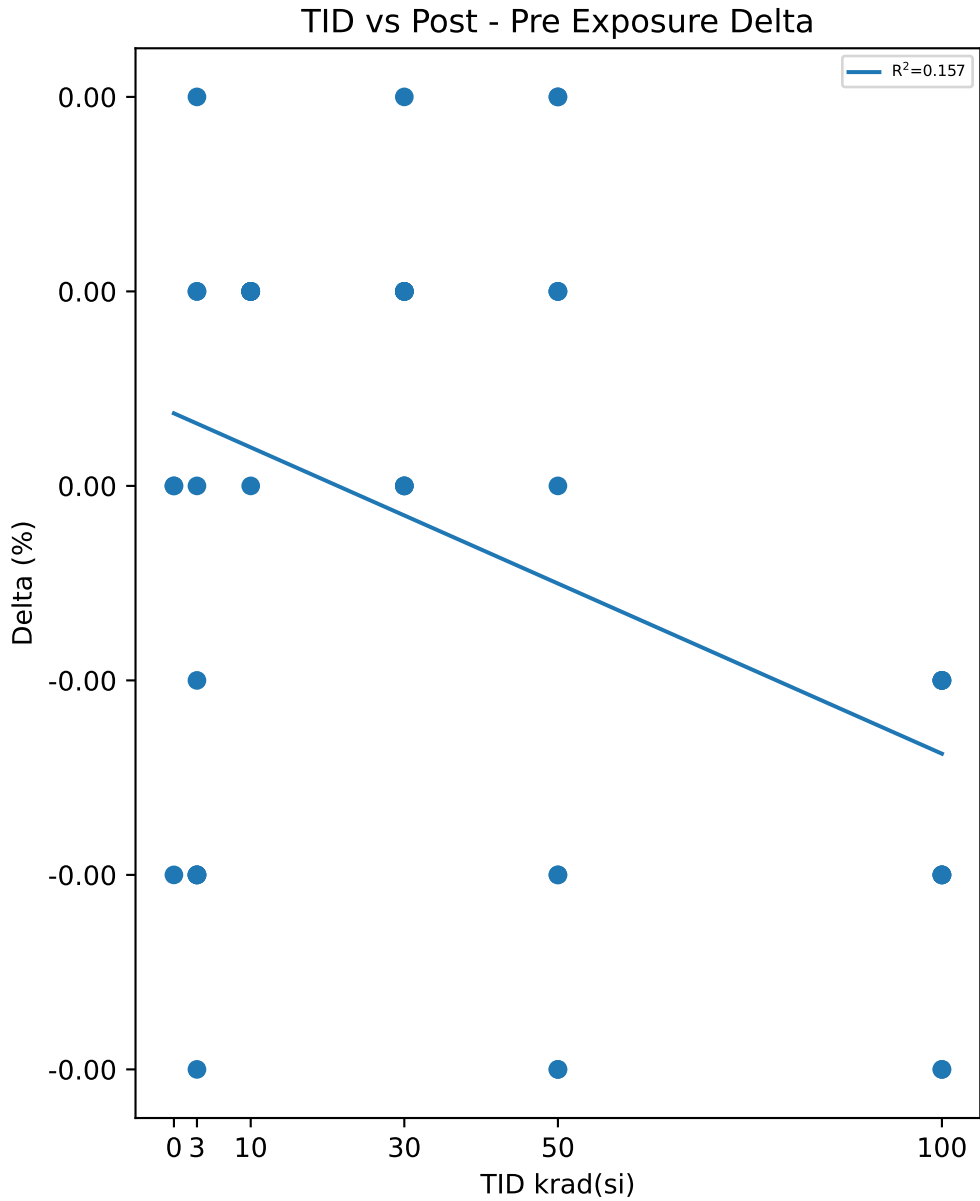
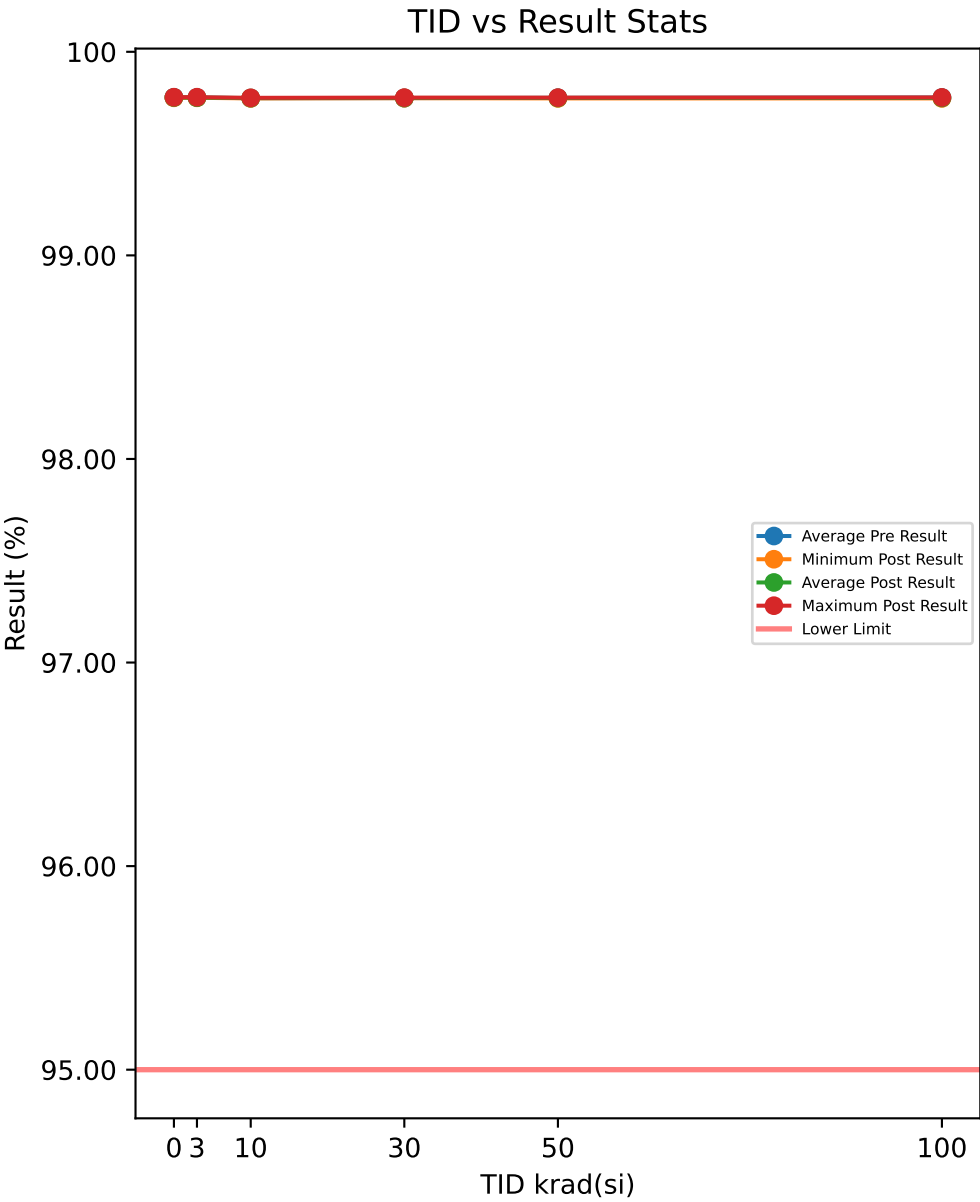
| Test Results (Lower Limit = 95.0 (%)) |          |                     |            |             |       |
|---------------------------------------|----------|---------------------|------------|-------------|-------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
| 300                                   | 0        | Correlation         | 99.754     | 99.756      | 0.002 |
| 301                                   | 0        | Correlation         | 99.755     | 99.757      | 0.002 |
| 302                                   | 0        | Correlation         | 99.754     | 99.755      | 0.001 |
| 303                                   | 3        | Bias                | 99.752     | 99.756      | 0.004 |
| 304                                   | 3        | Bias                | 99.751     | 99.753      | 0.002 |
| 305                                   | 3        | Bias                | 99.751     | 99.755      | 0.004 |
| 306                                   | 3        | Bias                | 99.752     | 99.755      | 0.003 |
| 307                                   | 3        | Bias                | 99.75      | 99.755      | 0.005 |
| 308                                   | 3        | Unbiased            | 99.751     | 99.754      | 0.003 |
| 309                                   | 3        | Unbiased            | 99.753     | 99.754      | 0.001 |
| 310                                   | 3        | Unbiased            | 99.753     | 99.754      | 0.001 |
| 311                                   | 3        | Unbiased            | 99.754     | 99.757      | 0.003 |
| 312                                   | 3        | Unbiased            | 99.754     | 99.756      | 0.002 |
| 313                                   | 10       | Bias                | 99.752     | 99.755      | 0.003 |
| 314                                   | 10       | Bias                | 99.752     | 99.754      | 0.002 |
| 315                                   | 10       | Bias                | 99.752     | 99.752      | 0     |
| 316                                   | 10       | Bias                | 99.749     | 99.75       | 0.001 |
| 317                                   | 10       | Bias                | 99.752     | 99.753      | 0.001 |
| 318                                   | 10       | Unbiased            | 99.752     | 99.754      | 0.002 |
| 319                                   | 10       | Unbiased            | 99.752     | 99.754      | 0.002 |
| 320                                   | 10       | Unbiased            | 99.751     | 99.753      | 0.002 |
| 321                                   | 10       | Unbiased            | 99.752     | 99.753      | 0.001 |
| 322                                   | 10       | Unbiased            | 99.75      | 99.752      | 0.002 |
| 323                                   | 30       | Bias                | 99.752     | 99.754      | 0.002 |
| 324                                   | 30       | Bias                | 99.753     | 99.753      | 0     |
| 325                                   | 30       | Bias                | 99.75      | 99.752      | 0.002 |
| 326                                   | 30       | Bias                | 99.752     | 99.754      | 0.002 |
| 327                                   | 30       | Bias                | 99.75      | 99.751      | 0.001 |
| 328                                   | 30       | Unbiased            | 99.753     | 99.754      | 0.001 |
| 329                                   | 30       | Unbiased            | 99.751     | 99.752      | 0.001 |
| 330                                   | 30       | Unbiased            | 99.752     | 99.753      | 0.001 |
| 331                                   | 30       | Unbiased            | 99.752     | 99.753      | 0.001 |
| 332                                   | 30       | Unbiased            | 99.751     | 99.753      | 0.002 |
| 333                                   | 50       | Bias                | 99.752     | 99.753      | 0.001 |
| 334                                   | 50       | Bias                | 99.75      | 99.751      | 0.001 |
| 335                                   | 50       | Bias                | 99.753     | 99.755      | 0.002 |
| 336                                   | 50       | Bias                | 99.753     | 99.755      | 0.002 |
| 337                                   | 50       | Bias                | 99.75      | 99.752      | 0.002 |
| 338                                   | 50       | Unbiased            | 99.75      | 99.753      | 0.003 |
| 339                                   | 50       | Unbiased            | 99.753     | 99.755      | 0.002 |
| 340                                   | 50       | Unbiased            | 99.75      | 99.752      | 0.002 |
| 341                                   | 50       | Unbiased            | 99.751     | 99.754      | 0.003 |
| 342                                   | 50       | Unbiased            | 99.75      | 99.753      | 0.003 |
| 343                                   | 100      | Bias                | 99.752     | 99.754      | 0.002 |
| 344                                   | 100      | Bias                | 99.751     | 99.754      | 0.003 |
| 345                                   | 100      | Bias                | 99.75      | 99.753      | 0.003 |
| 346                                   | 100      | Bias                | 99.749     | 99.752      | 0.003 |
| 347                                   | 100      | Bias                | 99.751     | 99.753      | 0.002 |
| 348                                   | 100      | Unbiased            | 99.751     | 99.753      | 0.002 |
| 349                                   | 100      | Unbiased            | 99.749     | 99.751      | 0.002 |
| 350                                   | 100      | Unbiased            | 99.751     | 99.753      | 0.002 |
| 351                                   | 100      | Unbiased            | 99.75      | 99.751      | 0.001 |
| 352                                   | 100      | Unbiased            | 99.753     | 99.755      | 0.002 |

| Test Statistics (%) |                  |                  |                  |                  |                   |                   |                   |                   |           |           |           |            |
|---------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| krad(si)            | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
| 0                   | 99.754           | 99.754           | 99.755           | 0.00057735       | 99.755            | 99.756            | 99.757            | 0.001             | 0.001     | 0.0016667 | 0.002     | 0.00057735 |
| 3                   | 99.75            | 99.752           | 99.754           | 0.0013703        | 99.753            | 99.755            | 99.757            | 0.0011972         | 0.001     | 0.0028    | 0.005     | 0.0013166  |
| 10                  | 99.749           | 99.751           | 99.752           | 0.001075         | 99.75             | 99.753            | 99.755            | 0.0014142         | 0         | 0.0016    | 0.003     | 0.00084327 |
| 30                  | 99.75            | 99.752           | 99.753           | 0.001075         | 99.751            | 99.753            | 99.754            | 0.00099443        | 0         | 0.0013    | 0.002     | 0.00067495 |
| 50                  | 99.75            | 99.751           | 99.753           | 0.0013984        | 99.751            | 99.753            | 99.755            | 0.0014181         | 0.001     | 0.0021    | 0.003     | 0.00073786 |
| 100                 | 99.749           | 99.751           | 99.753           | 0.0012517        | 99.751            | 99.753            | 99.755            | 0.0012867         | 0.001     | 0.0022    | 0.003     | 0.00063246 |



| Test Results (Lower Limit = 95.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 99.749     | 99.751      | 0.002  |
| 301                                   | 0        | Correlation         | 99.749     | 99.752      | 0.003  |
| 302                                   | 0        | Correlation         | 99.747     | 99.749      | 0.002  |
| 303                                   | 3        | Bias                | 99.746     | 99.749      | 0.003  |
| 304                                   | 3        | Bias                | 99.745     | 99.749      | 0.004  |
| 305                                   | 3        | Bias                | 99.746     | 99.749      | 0.003  |
| 306                                   | 3        | Bias                | 99.747     | 99.75       | 0.003  |
| 307                                   | 3        | Bias                | 99.745     | 99.75       | 0.005  |
| 308                                   | 3        | Unbiased            | 99.745     | 99.748      | 0.003  |
| 309                                   | 3        | Unbiased            | 99.748     | 99.749      | 0.001  |
| 310                                   | 3        | Unbiased            | 99.749     | 99.749      | 0      |
| 311                                   | 3        | Unbiased            | 99.748     | 99.75       | 0.002  |
| 312                                   | 3        | Unbiased            | 99.749     | 99.75       | 0.001  |
| 313                                   | 10       | Bias                | 99.747     | 99.748      | 0.001  |
| 314                                   | 10       | Bias                | 99.747     | 99.748      | 0.001  |
| 315                                   | 10       | Bias                | 99.746     | 99.747      | 0.001  |
| 316                                   | 10       | Bias                | 99.745     | 99.745      | 0      |
| 317                                   | 10       | Bias                | 99.746     | 99.747      | 0.001  |
| 318                                   | 10       | Unbiased            | 99.747     | 99.748      | 0.001  |
| 319                                   | 10       | Unbiased            | 99.747     | 99.748      | 0.001  |
| 320                                   | 10       | Unbiased            | 99.746     | 99.747      | 0.001  |
| 321                                   | 10       | Unbiased            | 99.747     | 99.748      | 0.001  |
| 322                                   | 10       | Unbiased            | 99.745     | 99.746      | 0.001  |
| 323                                   | 30       | Bias                | 99.747     | 99.748      | 0.001  |
| 324                                   | 30       | Bias                | 99.746     | 99.747      | 0.001  |
| 325                                   | 30       | Bias                | 99.745     | 99.746      | 0.001  |
| 326                                   | 30       | Bias                | 99.747     | 99.748      | 0.001  |
| 327                                   | 30       | Bias                | 99.744     | 99.744      | 0      |
| 328                                   | 30       | Unbiased            | 99.748     | 99.748      | 0      |
| 329                                   | 30       | Unbiased            | 99.748     | 99.747      | -0.001 |
| 330                                   | 30       | Unbiased            | 99.747     | 99.747      | 0      |
| 331                                   | 30       | Unbiased            | 99.748     | 99.748      | 0      |
| 332                                   | 30       | Unbiased            | 99.746     | 99.748      | 0.002  |
| 333                                   | 50       | Bias                | 99.746     | 99.747      | 0.001  |
| 334                                   | 50       | Bias                | 99.747     | 99.747      | 0      |
| 335                                   | 50       | Bias                | 99.748     | 99.749      | 0.001  |
| 336                                   | 50       | Bias                | 99.748     | 99.749      | 0.001  |
| 337                                   | 50       | Bias                | 99.746     | 99.747      | 0.001  |
| 338                                   | 50       | Unbiased            | 99.745     | 99.747      | 0.002  |
| 339                                   | 50       | Unbiased            | 99.747     | 99.749      | 0.002  |
| 340                                   | 50       | Unbiased            | 99.744     | 99.746      | 0.002  |
| 341                                   | 50       | Unbiased            | 99.746     | 99.749      | 0.003  |
| 342                                   | 50       | Unbiased            | 99.744     | 99.747      | 0.003  |
| 343                                   | 100      | Bias                | 99.746     | 99.748      | 0.002  |
| 344                                   | 100      | Bias                | 99.746     | 99.749      | 0.003  |
| 345                                   | 100      | Bias                | 99.746     | 99.748      | 0.002  |
| 346                                   | 100      | Bias                | 99.745     | 99.746      | 0.001  |
| 347                                   | 100      | Bias                | 99.746     | 99.748      | 0.002  |
| 348                                   | 100      | Unbiased            | 99.746     | 99.748      | 0.002  |
| 349                                   | 100      | Unbiased            | 99.743     | 99.746      | 0.003  |
| 350                                   | 100      | Unbiased            | 99.746     | 99.748      | 0.002  |
| 351                                   | 100      | Unbiased            | 99.745     | 99.746      | 0.001  |
| 352                                   | 100      | Unbiased            | 99.748     | 99.749      | 0.001  |

| Test Statistics (%) |                  |                  |                  |                  |                   |                   |                   |                   |           |           |           |            |
|---------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| krad(si)            | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
| 0                   | 99.747           | 99.748           | 99.749           | 0.0011547        | 99.749            | 99.751            | 99.752            | 0.0015275         | 0.002     | 0.0023333 | 0.003     | 0.00057735 |
| 3                   | 99.745           | 99.747           | 99.749           | 0.0016193        | 99.748            | 99.749            | 99.75             | 0.00067495        | 0         | 0.0025    | 0.005     | 0.0015092  |
| 10                  | 99.745           | 99.746           | 99.747           | 0.00082327       | 99.745            | 99.747            | 99.748            | 0.0010328         | 0         | 0.0009    | 0.001     | 0.00031623 |
| 30                  | 99.744           | 99.747           | 99.748           | 0.0013499        | 99.744            | 99.747            | 99.748            | 0.0012867         | -0.001    | 0.0005    | 0.002     | 0.00084984 |
| 50                  | 99.744           | 99.746           | 99.748           | 0.0014491        | 99.746            | 99.748            | 99.749            | 0.0011595         | 0         | 0.0016    | 0.003     | 0.00096609 |
| 100                 | 99.743           | 99.746           | 99.748           | 0.0012517        | 99.746            | 99.748            | 99.749            | 0.0011738         | 0.001     | 0.0019    | 0.003     | 0.00073786 |

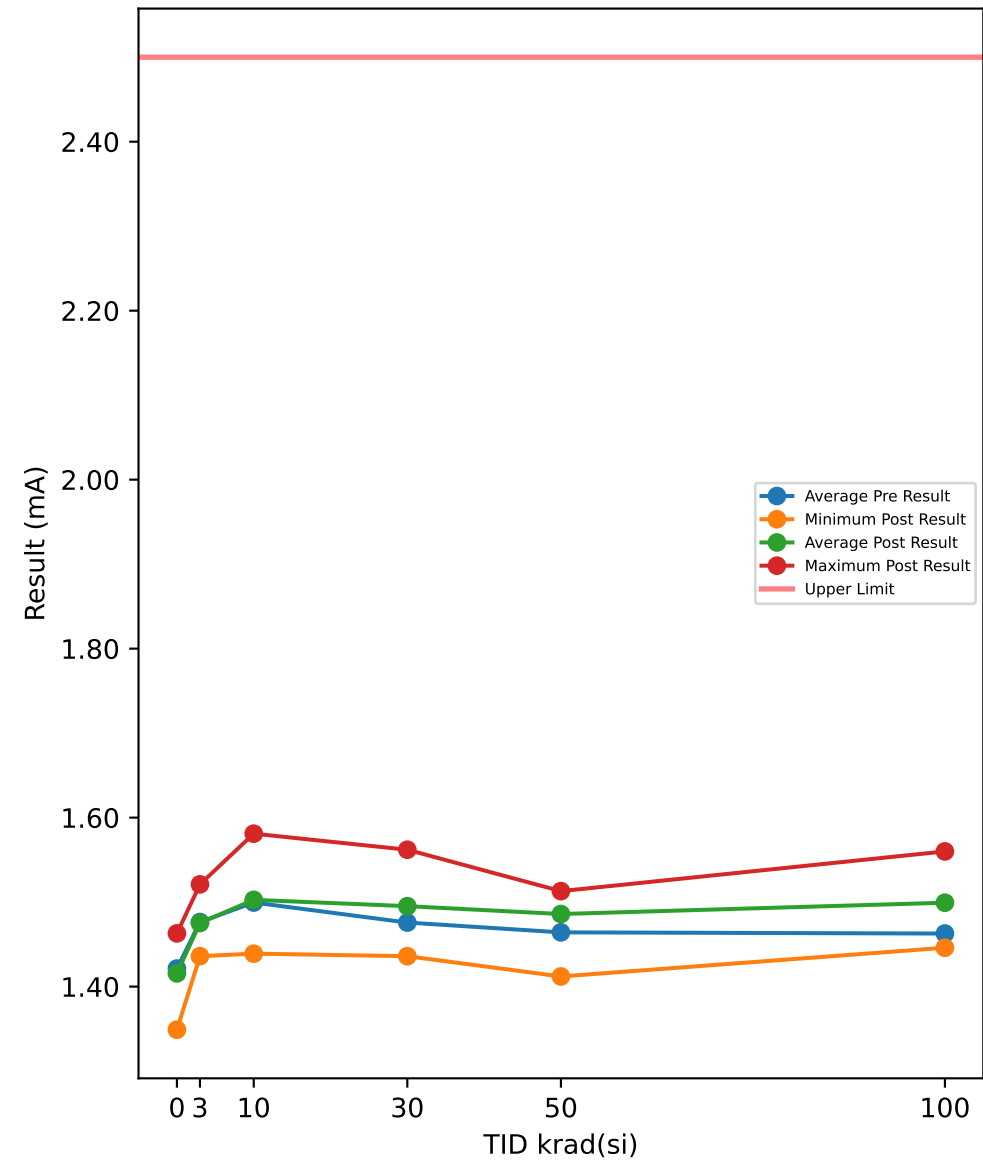


| Test Results (Lower Limit = 95.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 99.776     | 99.776      | 0      |
| 301                                   | 0        | Correlation         | 99.779     | 99.777      | -0.002 |
| 302                                   | 0        | Correlation         | 99.774     | 99.774      | 0      |
| 303                                   | 3        | Bias                | 99.777     | 99.775      | -0.002 |
| 304                                   | 3        | Bias                | 99.776     | 99.774      | -0.002 |
| 305                                   | 3        | Bias                | 99.776     | 99.775      | -0.001 |
| 306                                   | 3        | Bias                | 99.777     | 99.774      | -0.003 |
| 307                                   | 3        | Bias                | 99.776     | 99.774      | -0.002 |
| 308                                   | 3        | Unbiased            | 99.776     | 99.774      | -0.002 |
| 309                                   | 3        | Unbiased            | 99.773     | 99.774      | 0.001  |
| 310                                   | 3        | Unbiased            | 99.773     | 99.774      | 0.001  |
| 311                                   | 3        | Unbiased            | 99.775     | 99.777      | 0.002  |
| 312                                   | 3        | Unbiased            | 99.776     | 99.776      | 0      |
| 313                                   | 10       | Bias                | 99.773     | 99.774      | 0.001  |
| 314                                   | 10       | Bias                | 99.772     | 99.773      | 0.001  |
| 315                                   | 10       | Bias                | 99.77      | 99.771      | 0.001  |
| 316                                   | 10       | Bias                | 99.772     | 99.773      | 0.001  |
| 317                                   | 10       | Bias                | 99.771     | 99.772      | 0.001  |
| 318                                   | 10       | Unbiased            | 99.772     | 99.773      | 0.001  |
| 319                                   | 10       | Unbiased            | 99.773     | 99.774      | 0.001  |
| 320                                   | 10       | Unbiased            | 99.772     | 99.773      | 0.001  |
| 321                                   | 10       | Unbiased            | 99.772     | 99.773      | 0.001  |
| 322                                   | 10       | Unbiased            | 99.773     | 99.773      | 0      |
| 323                                   | 30       | Bias                | 99.772     | 99.773      | 0.001  |
| 324                                   | 30       | Bias                | 99.772     | 99.773      | 0.001  |
| 325                                   | 30       | Bias                | 99.77      | 99.772      | 0.002  |
| 326                                   | 30       | Bias                | 99.774     | 99.775      | 0.001  |
| 327                                   | 30       | Bias                | 99.773     | 99.773      | 0      |
| 328                                   | 30       | Unbiased            | 99.773     | 99.773      | 0      |
| 329                                   | 30       | Unbiased            | 99.773     | 99.774      | 0.001  |
| 330                                   | 30       | Unbiased            | 99.772     | 99.773      | 0.001  |
| 331                                   | 30       | Unbiased            | 99.773     | 99.774      | 0.001  |
| 332                                   | 30       | Unbiased            | 99.773     | 99.773      | 0      |
| 333                                   | 50       | Bias                | 99.773     | 99.774      | 0.001  |
| 334                                   | 50       | Bias                | 99.771     | 99.772      | 0.001  |
| 335                                   | 50       | Bias                | 99.773     | 99.775      | 0.002  |
| 336                                   | 50       | Bias                | 99.774     | 99.774      | 0      |
| 337                                   | 50       | Bias                | 99.77      | 99.771      | 0.001  |
| 338                                   | 50       | Unbiased            | 99.772     | 99.774      | 0.002  |
| 339                                   | 50       | Unbiased            | 99.776     | 99.774      | -0.002 |
| 340                                   | 50       | Unbiased            | 99.775     | 99.772      | -0.003 |
| 341                                   | 50       | Unbiased            | 99.777     | 99.775      | -0.002 |
| 342                                   | 50       | Unbiased            | 99.776     | 99.773      | -0.003 |
| 343                                   | 100      | Bias                | 99.776     | 99.774      | -0.002 |
| 344                                   | 100      | Bias                | 99.776     | 99.773      | -0.003 |
| 345                                   | 100      | Bias                | 99.776     | 99.775      | -0.001 |
| 346                                   | 100      | Bias                | 99.773     | 99.772      | -0.001 |
| 347                                   | 100      | Bias                | 99.775     | 99.773      | -0.002 |
| 348                                   | 100      | Unbiased            | 99.777     | 99.774      | -0.003 |
| 349                                   | 100      | Unbiased            | 99.775     | 99.773      | -0.002 |
| 350                                   | 100      | Unbiased            | 99.775     | 99.774      | -0.001 |
| 351                                   | 100      | Unbiased            | 99.773     | 99.771      | -0.002 |
| 352                                   | 100      | Unbiased            | 99.777     | 99.776      | -0.001 |

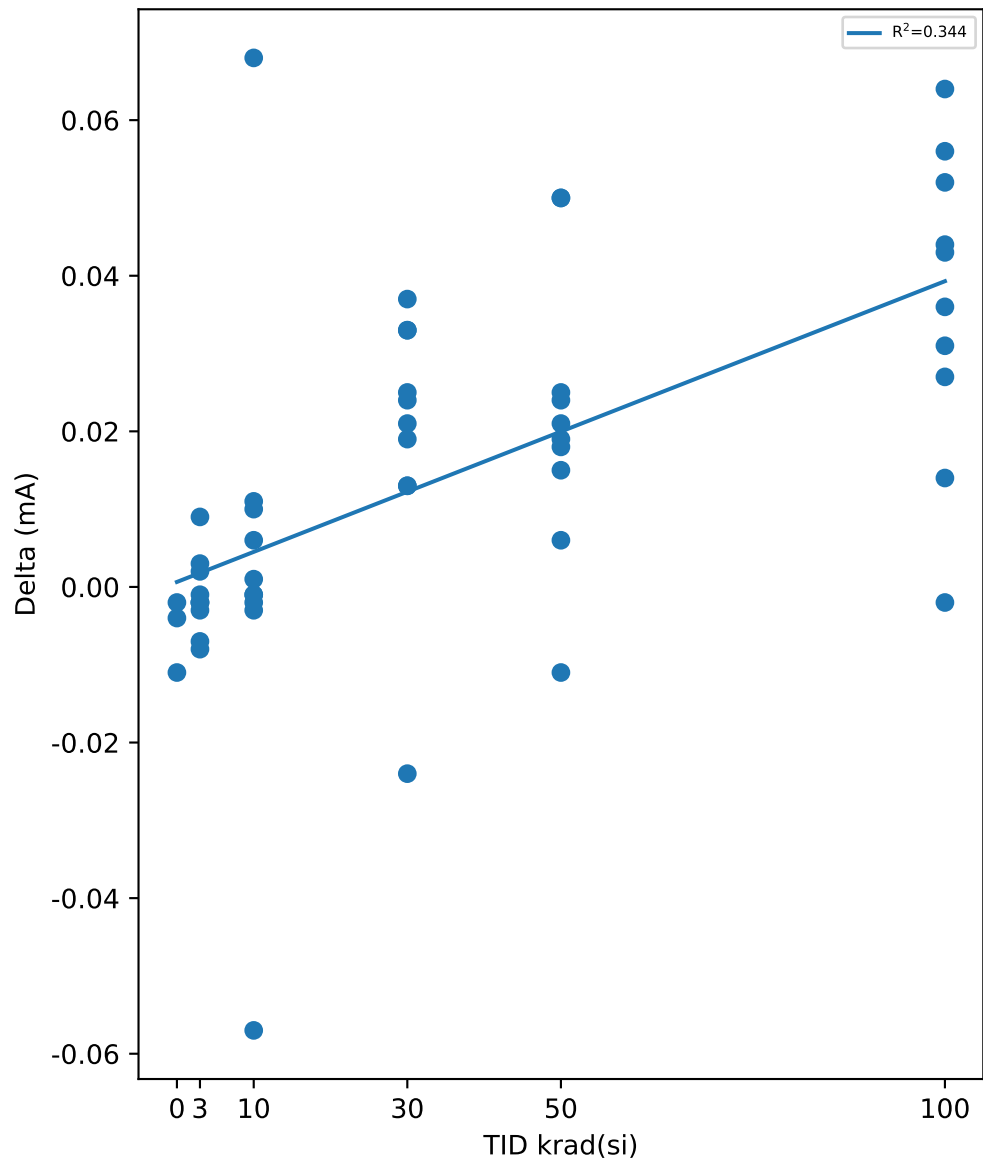
| Test Statistics (%) |                  |                  |                  |                  |                   |                   |                   |                   |           |             |           |            |
|---------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|------------|
| krad(si)            | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta  |
| 0                   | 99.774           | 99.776           | 99.779           | 0.0025166        | 99.774            | 99.776            | 99.777            | 0.0015275         | -0.002    | -0.00066667 | 0         | 0.0011547  |
| 3                   | 99.773           | 99.775           | 99.777           | 0.0014337        | 99.774            | 99.775            | 99.777            | 0.0010593         | -0.003    | -0.0008     | 0.002     | 0.0016865  |
| 10                  | 99.77            | 99.772           | 99.773           | 0.00094281       | 99.771            | 99.773            | 99.774            | 0.0008756         | 0         | 0.0009      | 0.001     | 0.00031623 |
| 30                  | 99.77            | 99.773           | 99.774           | 0.0010801        | 99.772            | 99.773            | 99.775            | 0.00082327        | 0         | 0.0008      | 0.002     | 0.00063246 |
| 50                  | 99.77            | 99.774           | 99.777           | 0.0023118        | 99.771            | 99.773            | 99.775            | 0.0013499         | -0.003    | -0.0003     | 0.002     | 0.0020028  |
| 100                 | 99.773           | 99.775           | 99.777           | 0.0014181        | 99.771            | 99.773            | 99.776            | 0.0014337         | -0.003    | -0.0018     | -0.001    | 0.00078881 |



TID vs Result Stats



TID vs Post - Pre Exposure Delta

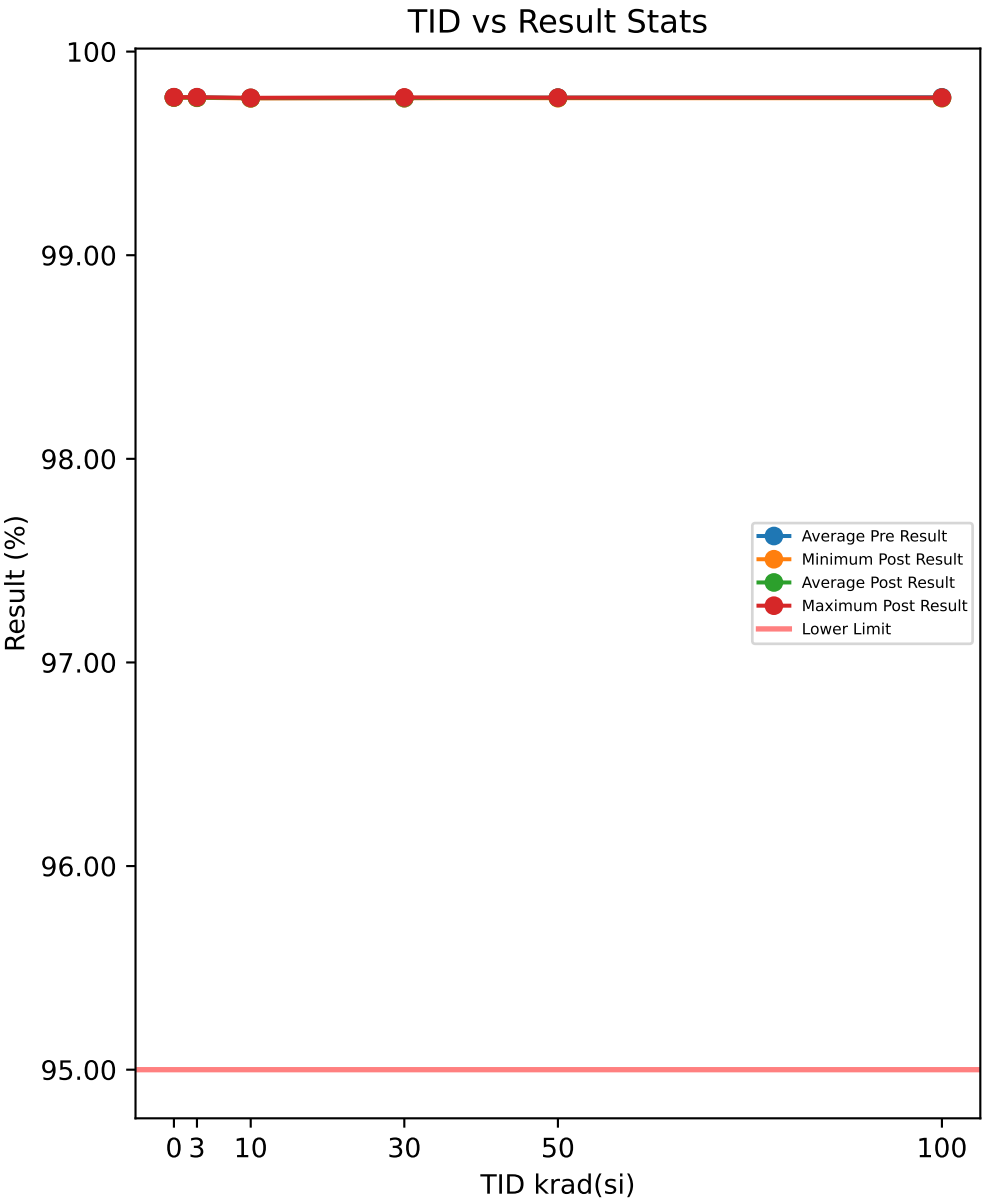


Test Results (Upper Limit = 2.5 (mA))

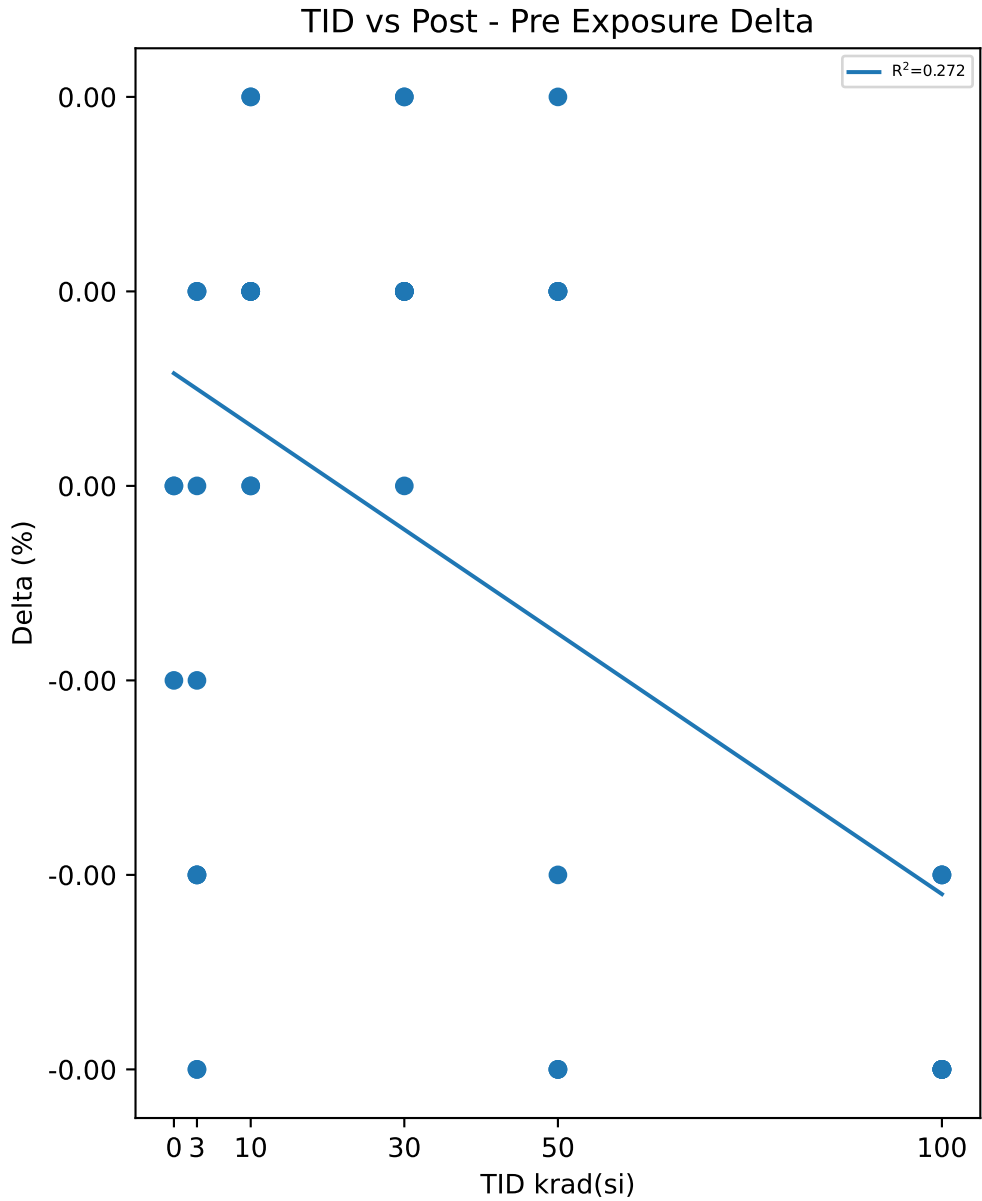
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 1.474      | 1.463       | -0.011 |
| 301      | 0        | Correlation         | 1.353      | 1.349       | -0.004 |
| 302      | 0        | Correlation         | 1.437      | 1.435       | -0.002 |
| 303      | 3        | Bias                | 1.471      | 1.474       | 0.003  |
| 304      | 3        | Bias                | 1.502      | 1.494       | -0.008 |
| 305      | 3        | Bias                | 1.528      | 1.521       | -0.007 |
| 306      | 3        | Bias                | 1.453      | 1.45        | -0.003 |
| 307      | 3        | Bias                | 1.502      | 1.5         | -0.002 |
| 308      | 3        | Unbiased            | 1.5        | 1.498       | -0.002 |
| 309      | 3        | Unbiased            | 1.437      | 1.436       | -0.001 |
| 310      | 3        | Unbiased            | 1.457      | 1.459       | 0.002  |
| 311      | 3        | Unbiased            | 1.454      | 1.452       | -0.002 |
| 312      | 3        | Unbiased            | 1.46       | 1.469       | 0.009  |
| 313      | 10       | Bias                | 1.429      | 1.439       | 0.01   |
| 314      | 10       | Bias                | 1.529      | 1.528       | -0.001 |
| 315      | 10       | Bias                | 1.568      | 1.579       | 0.011  |
| 316      | 10       | Bias                | 1.452      | 1.45        | -0.002 |
| 317      | 10       | Bias                | 1.46       | 1.457       | -0.003 |
| 318      | 10       | Unbiased            | 1.49       | 1.491       | 0.001  |
| 319      | 10       | Unbiased            | 1.575      | 1.581       | 0.006  |
| 320      | 10       | Unbiased            | 1.467      | 1.535       | 0.068  |
| 321      | 10       | Unbiased            | 1.53       | 1.473       | -0.057 |
| 322      | 10       | Unbiased            | 1.495      | 1.494       | -0.001 |
| 323      | 30       | Bias                | 1.441      | 1.474       | 0.033  |
| 324      | 30       | Bias                | 1.46       | 1.436       | -0.024 |
| 325      | 30       | Bias                | 1.512      | 1.533       | 0.021  |
| 326      | 30       | Bias                | 1.543      | 1.562       | 0.019  |
| 327      | 30       | Bias                | 1.503      | 1.516       | 0.013  |
| 328      | 30       | Unbiased            | 1.477      | 1.502       | 0.025  |
| 329      | 30       | Unbiased            | 1.427      | 1.464       | 0.037  |
| 330      | 30       | Unbiased            | 1.429      | 1.462       | 0.033  |
| 331      | 30       | Unbiased            | 1.452      | 1.476       | 0.024  |
| 332      | 30       | Unbiased            | 1.514      | 1.527       | 0.013  |
| 333      | 50       | Bias                | 1.482      | 1.5         | 0.018  |
| 334      | 50       | Bias                | 1.496      | 1.511       | 0.015  |
| 335      | 50       | Bias                | 1.438      | 1.488       | 0.05   |
| 336      | 50       | Bias                | 1.486      | 1.492       | 0.006  |
| 337      | 50       | Bias                | 1.48       | 1.504       | 0.024  |
| 338      | 50       | Unbiased            | 1.458      | 1.483       | 0.025  |
| 339      | 50       | Unbiased            | 1.393      | 1.412       | 0.019  |
| 340      | 50       | Unbiased            | 1.463      | 1.513       | 0.05   |
| 341      | 50       | Unbiased            | 1.502      | 1.491       | -0.011 |
| 342      | 50       | Unbiased            | 1.444      | 1.465       | 0.021  |
| 343      | 100      | Bias                | 1.478      | 1.505       | 0.027  |
| 344      | 100      | Bias                | 1.516      | 1.56        | 0.044  |
| 345      | 100      | Bias                | 1.448      | 1.446       | -0.002 |
| 346      | 100      | Bias                | 1.449      | 1.513       | 0.064  |
| 347      | 100      | Bias                | 1.491      | 1.505       | 0.014  |
| 348      | 100      | Unbiased            | 1.441      | 1.497       | 0.056  |
| 349      | 100      | Unbiased            | 1.471      | 1.502       | 0.031  |
| 350      | 100      | Unbiased            | 1.422      | 1.458       | 0.036  |
| 351      | 100      | Unbiased            | 1.499      | 1.551       | 0.052  |
| 352      | 100      | Unbiased            | 1.413      | 1.456       | 0.043  |

Test Statistics (mA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 1.353            | 1.4213           | 1.474            | 0.062003         | 1.349             | 1.4157            | 1.463             | 0.059408          | -0.011    | -0.0056667 | -0.002    | 0.0047258 |
| 3        | 1.437            | 1.4764           | 1.528            | 0.029451         | 1.436             | 1.4753            | 1.521             | 0.027076          | -0.008    | -0.0011    | 0.009     | 0.0049092 |
| 10       | 1.429            | 1.4995           | 1.575            | 0.049606         | 1.439             | 1.5027            | 1.581             | 0.051266          | -0.057    | 0.0032     | 0.068     | 0.029895  |
| 30       | 1.427            | 1.4758           | 1.543            | 0.040312         | 1.436             | 1.4952            | 1.562             | 0.039129          | -0.024    | 0.0194     | 0.037     | 0.017322  |
| 50       | 1.393            | 1.4642           | 1.502            | 0.032805         | 1.412             | 1.4859            | 1.513             | 0.029561          | -0.011    | 0.0217     | 0.05      | 0.018258  |
| 100      | 1.413            | 1.4628           | 1.516            | 0.03377          | 1.446             | 1.4993            | 1.56              | 0.03807           | -0.002    | 0.0365     | 0.064     | 0.019957  |

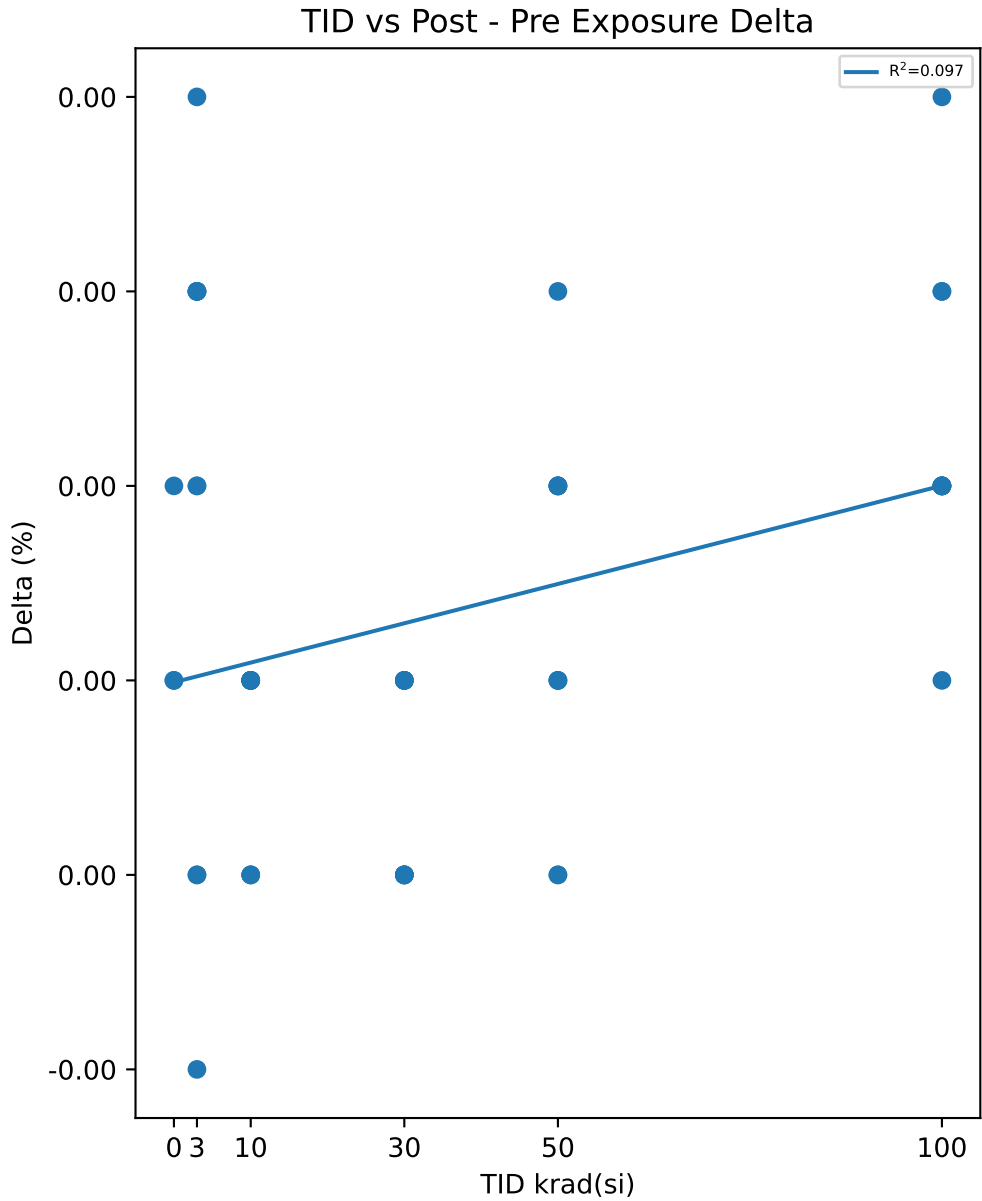
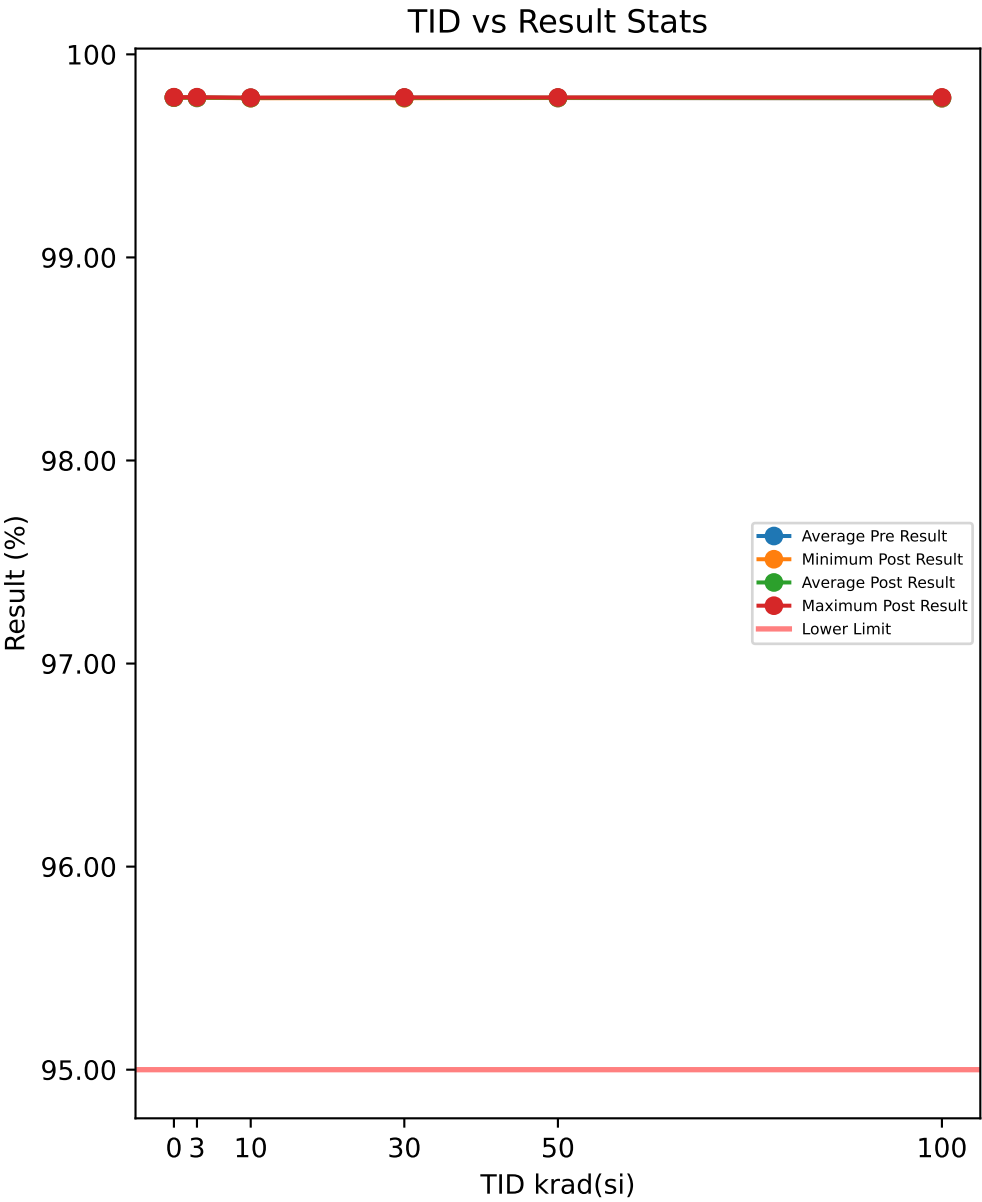


| Test Results (Lower Limit = 95.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 99.775     | 99.775      | 0      |
| 301                                   | 0        | Correlation         | 99.777     | 99.776      | -0.001 |
| 302                                   | 0        | Correlation         | 99.774     | 99.774      | 0      |
| 303                                   | 3        | Bias                | 99.776     | 99.774      | -0.002 |
| 304                                   | 3        | Bias                | 99.775     | 99.773      | -0.002 |
| 305                                   | 3        | Bias                | 99.775     | 99.774      | -0.001 |
| 306                                   | 3        | Bias                | 99.776     | 99.773      | -0.003 |
| 307                                   | 3        | Bias                | 99.776     | 99.774      | -0.002 |
| 308                                   | 3        | Unbiased            | 99.776     | 99.773      | -0.003 |
| 309                                   | 3        | Unbiased            | 99.773     | 99.773      | 0      |
| 310                                   | 3        | Unbiased            | 99.772     | 99.773      | 0.001  |
| 311                                   | 3        | Unbiased            | 99.775     | 99.776      | 0.001  |
| 312                                   | 3        | Unbiased            | 99.774     | 99.775      | 0.001  |
| 313                                   | 10       | Bias                | 99.772     | 99.773      | 0.001  |
| 314                                   | 10       | Bias                | 99.771     | 99.772      | 0.001  |
| 315                                   | 10       | Bias                | 99.77      | 99.77       | 0      |
| 316                                   | 10       | Bias                | 99.771     | 99.772      | 0.001  |
| 317                                   | 10       | Bias                | 99.77      | 99.772      | 0.002  |
| 318                                   | 10       | Unbiased            | 99.772     | 99.773      | 0.001  |
| 319                                   | 10       | Unbiased            | 99.77      | 99.772      | 0.002  |
| 320                                   | 10       | Unbiased            | 99.772     | 99.773      | 0.001  |
| 321                                   | 10       | Unbiased            | 99.772     | 99.773      | 0.001  |
| 322                                   | 10       | Unbiased            | 99.771     | 99.771      | 0      |
| 323                                   | 30       | Bias                | 99.772     | 99.773      | 0.001  |
| 324                                   | 30       | Bias                | 99.771     | 99.772      | 0.001  |
| 325                                   | 30       | Bias                | 99.77      | 99.772      | 0.002  |
| 326                                   | 30       | Bias                | 99.773     | 99.775      | 0.002  |
| 327                                   | 30       | Bias                | 99.77      | 99.771      | 0.001  |
| 328                                   | 30       | Unbiased            | 99.772     | 99.773      | 0.001  |
| 329                                   | 30       | Unbiased            | 99.771     | 99.772      | 0.001  |
| 330                                   | 30       | Unbiased            | 99.772     | 99.773      | 0.001  |
| 331                                   | 30       | Unbiased            | 99.772     | 99.773      | 0.001  |
| 332                                   | 30       | Unbiased            | 99.773     | 99.773      | 0      |
| 333                                   | 50       | Bias                | 99.773     | 99.774      | 0.001  |
| 334                                   | 50       | Bias                | 99.771     | 99.772      | 0.001  |
| 335                                   | 50       | Bias                | 99.773     | 99.774      | 0.001  |
| 336                                   | 50       | Bias                | 99.773     | 99.774      | 0.001  |
| 337                                   | 50       | Bias                | 99.77      | 99.771      | 0.001  |
| 338                                   | 50       | Unbiased            | 99.772     | 99.774      | 0.002  |
| 339                                   | 50       | Unbiased            | 99.775     | 99.773      | -0.002 |
| 340                                   | 50       | Unbiased            | 99.776     | 99.773      | -0.003 |
| 341                                   | 50       | Unbiased            | 99.776     | 99.773      | -0.003 |
| 342                                   | 50       | Unbiased            | 99.775     | 99.772      | -0.003 |
| 343                                   | 100      | Bias                | 99.776     | 99.774      | -0.002 |
| 344                                   | 100      | Bias                | 99.776     | 99.773      | -0.003 |
| 345                                   | 100      | Bias                | 99.775     | 99.773      | -0.002 |
| 346                                   | 100      | Bias                | 99.774     | 99.771      | -0.003 |
| 347                                   | 100      | Bias                | 99.776     | 99.773      | -0.003 |
| 348                                   | 100      | Unbiased            | 99.776     | 99.774      | -0.002 |
| 349                                   | 100      | Unbiased            | 99.775     | 99.772      | -0.003 |
| 350                                   | 100      | Unbiased            | 99.776     | 99.773      | -0.003 |
| 351                                   | 100      | Unbiased            | 99.774     | 99.771      | -0.003 |
| 352                                   | 100      | Unbiased            | 99.777     | 99.774      | -0.003 |



Test Statistics (%)

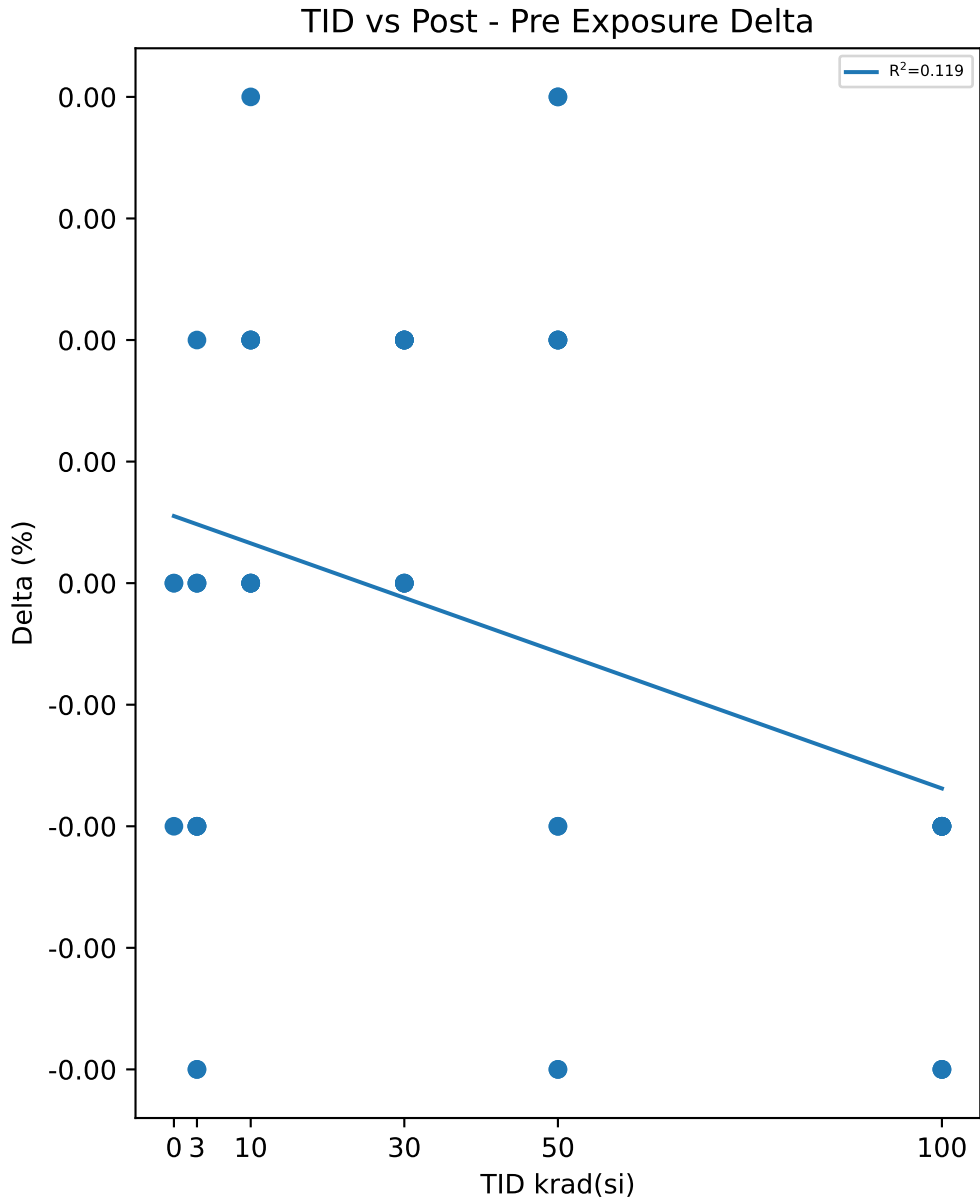
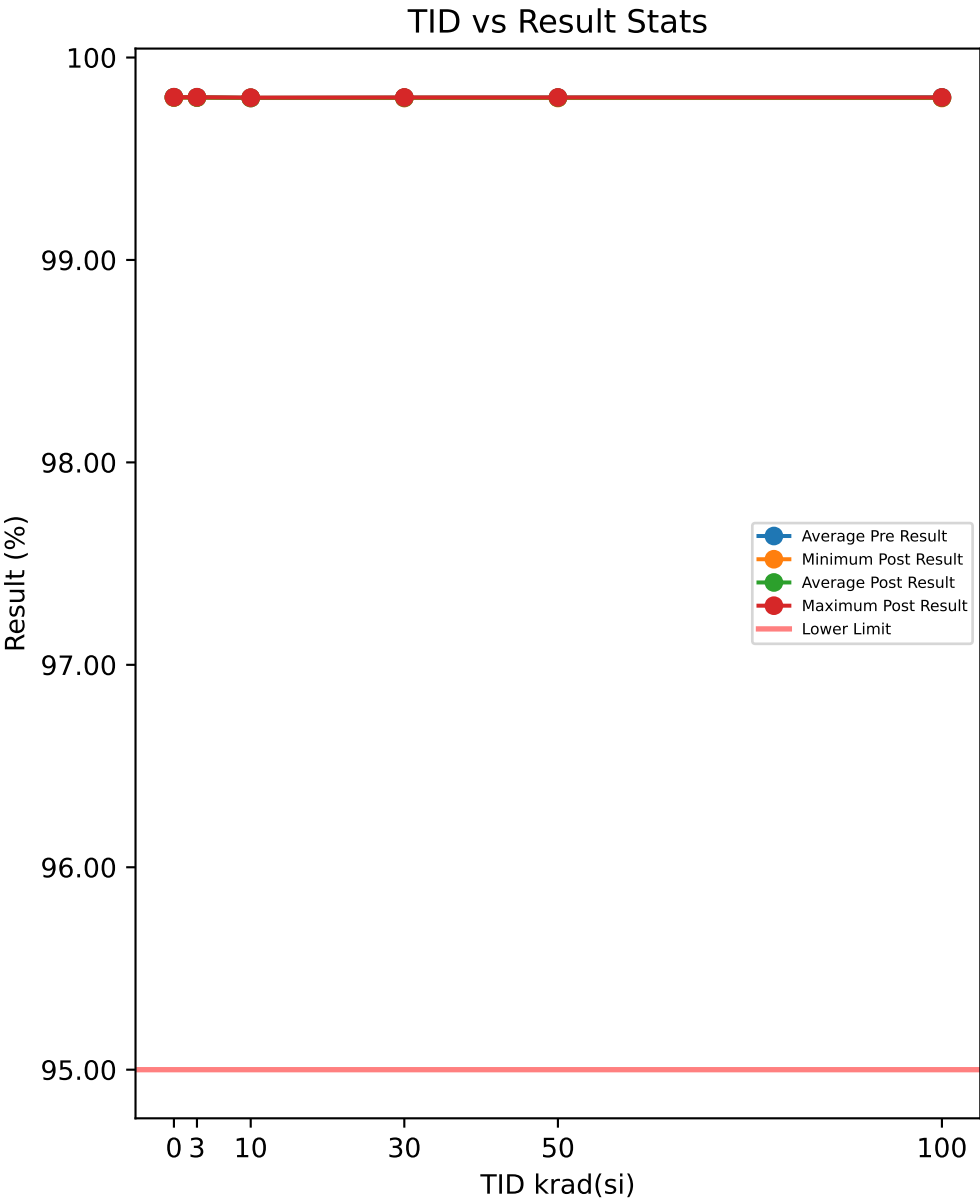
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|------------|
| 0        | 99.774           | 99.775           | 99.777           | 0.0015275        | 99.774            | 99.775            | 99.776            | 0.001             | -0.001    | -0.00033333 | 0         | 0.00057735 |
| 3        | 99.772           | 99.775           | 99.776           | 0.0013984        | 99.773            | 99.774            | 99.776            | 0.0010328         | -0.003    | -0.001      | 0.001     | 0.001633   |
| 10       | 99.77            | 99.771           | 99.772           | 0.0008756        | 99.77             | 99.772            | 99.773            | 0.00099443        | 0         | 0.001       | 0.002     | 0.00066667 |
| 30       | 99.77            | 99.772           | 99.773           | 0.001075         | 99.771            | 99.773            | 99.775            | 0.0010593         | 0         | 0.0011      | 0.002     | 0.00056765 |
| 50       | 99.77            | 99.773           | 99.776           | 0.0020656        | 99.771            | 99.773            | 99.774            | 0.0010541         | -0.003    | -0.0004     | 0.002     | 0.0020656  |
| 100      | 99.774           | 99.775           | 99.777           | 0.00097183       | 99.771            | 99.773            | 99.774            | 0.0011353         | -0.003    | -0.0027     | -0.002    | 0.00048305 |



| Test Results (Lower Limit = 95.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 99.787     | 99.788      | 0.001  |
| 301                                   | 0        | Correlation         | 99.788     | 99.789      | 0.001  |
| 302                                   | 0        | Correlation         | 99.785     | 99.787      | 0.002  |
| 303                                   | 3        | Bias                | 99.786     | 99.789      | 0.003  |
| 304                                   | 3        | Bias                | 99.784     | 99.787      | 0.003  |
| 305                                   | 3        | Bias                | 99.785     | 99.788      | 0.003  |
| 306                                   | 3        | Bias                | 99.784     | 99.786      | 0.002  |
| 307                                   | 3        | Bias                | 99.784     | 99.788      | 0.004  |
| 308                                   | 3        | Unbiased            | 99.784     | 99.787      | 0.003  |
| 309                                   | 3        | Unbiased            | 99.786     | 99.786      | 0      |
| 310                                   | 3        | Unbiased            | 99.787     | 99.786      | -0.001 |
| 311                                   | 3        | Unbiased            | 99.787     | 99.789      | 0.002  |
| 312                                   | 3        | Unbiased            | 99.788     | 99.788      | 0      |
| 313                                   | 10       | Bias                | 99.786     | 99.786      | 0      |
| 314                                   | 10       | Bias                | 99.785     | 99.786      | 0.001  |
| 315                                   | 10       | Bias                | 99.783     | 99.784      | 0.001  |
| 316                                   | 10       | Bias                | 99.784     | 99.785      | 0.001  |
| 317                                   | 10       | Bias                | 99.784     | 99.785      | 0.001  |
| 318                                   | 10       | Unbiased            | 99.786     | 99.787      | 0.001  |
| 319                                   | 10       | Unbiased            | 99.785     | 99.786      | 0.001  |
| 320                                   | 10       | Unbiased            | 99.785     | 99.786      | 0.001  |
| 321                                   | 10       | Unbiased            | 99.785     | 99.785      | 0      |
| 322                                   | 10       | Unbiased            | 99.785     | 99.785      | 0      |
| 323                                   | 30       | Bias                | 99.787     | 99.788      | 0.001  |
| 324                                   | 30       | Bias                | 99.784     | 99.785      | 0.001  |
| 325                                   | 30       | Bias                | 99.784     | 99.785      | 0.001  |
| 326                                   | 30       | Bias                | 99.787     | 99.788      | 0.001  |
| 327                                   | 30       | Bias                | 99.784     | 99.784      | 0      |
| 328                                   | 30       | Unbiased            | 99.787     | 99.787      | 0      |
| 329                                   | 30       | Unbiased            | 99.786     | 99.787      | 0.001  |
| 330                                   | 30       | Unbiased            | 99.787     | 99.787      | 0      |
| 331                                   | 30       | Unbiased            | 99.786     | 99.786      | 0      |
| 332                                   | 30       | Unbiased            | 99.786     | 99.786      | 0      |
| 333                                   | 50       | Bias                | 99.787     | 99.787      | 0      |
| 334                                   | 50       | Bias                | 99.784     | 99.785      | 0.001  |
| 335                                   | 50       | Bias                | 99.786     | 99.787      | 0.001  |
| 336                                   | 50       | Bias                | 99.788     | 99.788      | 0      |
| 337                                   | 50       | Bias                | 99.784     | 99.785      | 0.001  |
| 338                                   | 50       | Unbiased            | 99.785     | 99.787      | 0.002  |
| 339                                   | 50       | Unbiased            | 99.784     | 99.786      | 0.002  |
| 340                                   | 50       | Unbiased            | 99.784     | 99.786      | 0.002  |
| 341                                   | 50       | Unbiased            | 99.785     | 99.788      | 0.003  |
| 342                                   | 50       | Unbiased            | 99.783     | 99.785      | 0.002  |
| 343                                   | 100      | Bias                | 99.785     | 99.787      | 0.002  |
| 344                                   | 100      | Bias                | 99.784     | 99.787      | 0.003  |
| 345                                   | 100      | Bias                | 99.784     | 99.787      | 0.003  |
| 346                                   | 100      | Bias                | 99.782     | 99.784      | 0.002  |
| 347                                   | 100      | Bias                | 99.784     | 99.786      | 0.002  |
| 348                                   | 100      | Unbiased            | 99.785     | 99.787      | 0.002  |
| 349                                   | 100      | Unbiased            | 99.783     | 99.784      | 0.001  |
| 350                                   | 100      | Unbiased            | 99.783     | 99.787      | 0.004  |
| 351                                   | 100      | Unbiased            | 99.782     | 99.784      | 0.002  |
| 352                                   | 100      | Unbiased            | 99.786     | 99.788      | 0.002  |

Test Statistics (%)

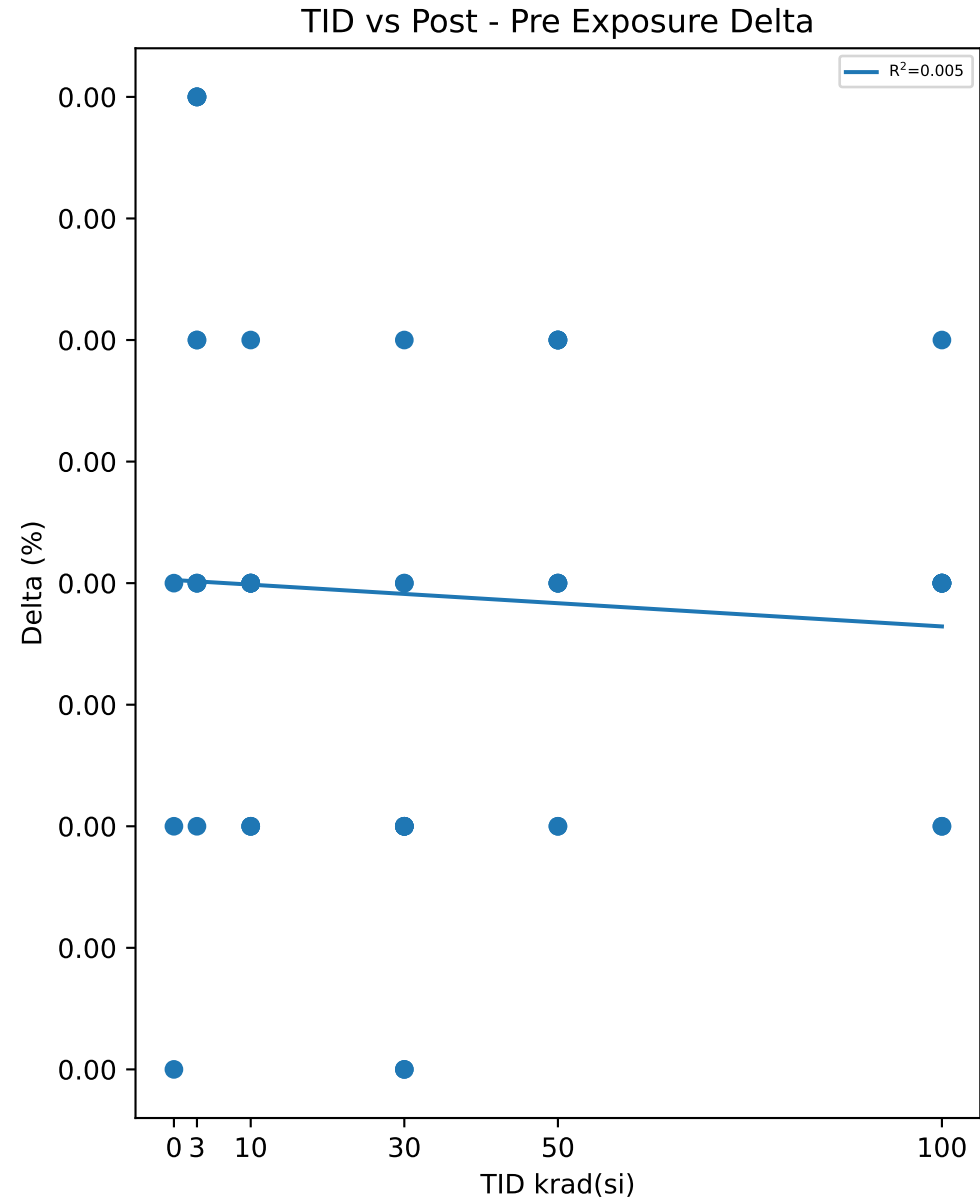
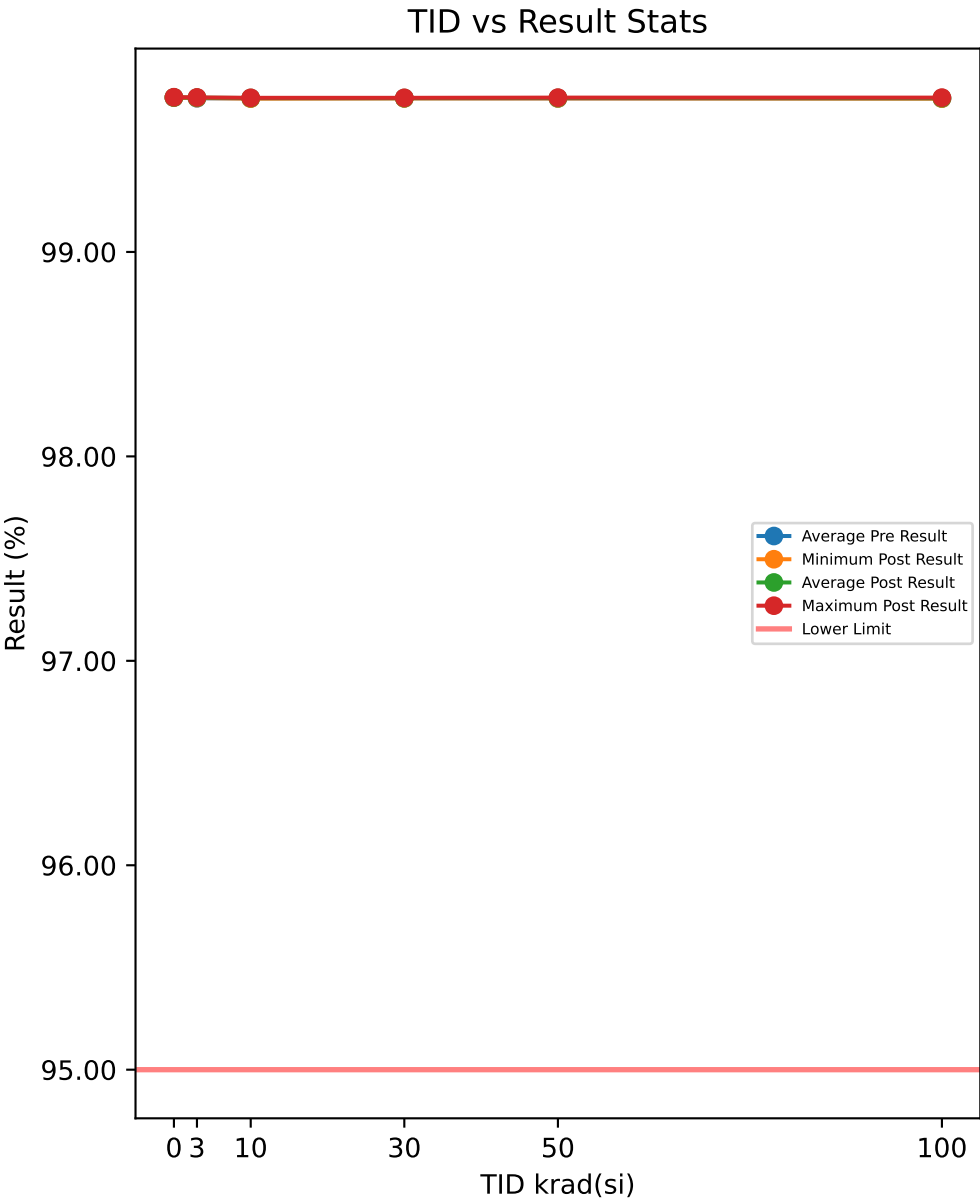
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| 0        | 99.785           | 99.787           | 99.788           | 0.0015275        | 99.787            | 99.788            | 99.789            | 0.001             | 0.001     | 0.0013333 | 0.002     | 0.00057735 |
| 3        | 99.784           | 99.785           | 99.788           | 0.0015092        | 99.786            | 99.787            | 99.789            | 0.0011738         | -0.001    | 0.0019    | 0.004     | 0.0016633  |
| 10       | 99.783           | 99.785           | 99.786           | 0.00091894       | 99.784            | 99.785            | 99.787            | 0.00084984        | 0         | 0.0007    | 0.001     | 0.00048305 |
| 30       | 99.784           | 99.786           | 99.787           | 0.0013166        | 99.784            | 99.786            | 99.788            | 0.0013375         | 0         | 0.0005    | 0.001     | 0.00052705 |
| 50       | 99.783           | 99.785           | 99.788           | 0.0015635        | 99.785            | 99.786            | 99.788            | 0.0011738         | 0         | 0.0014    | 0.003     | 0.00096609 |
| 100      | 99.782           | 99.784           | 99.786           | 0.0013166        | 99.784            | 99.786            | 99.788            | 0.0015239         | 0.001     | 0.0023    | 0.004     | 0.00082327 |



| Test Results (Lower Limit = 95.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 99.804     | 99.804      | 0      |
| 301                                   | 0        | Correlation         | 99.805     | 99.804      | -0.001 |
| 302                                   | 0        | Correlation         | 99.802     | 99.802      | 0      |
| 303                                   | 3        | Bias                | 99.804     | 99.802      | -0.002 |
| 304                                   | 3        | Bias                | 99.803     | 99.802      | -0.001 |
| 305                                   | 3        | Bias                | 99.804     | 99.803      | -0.001 |
| 306                                   | 3        | Bias                | 99.804     | 99.802      | -0.002 |
| 307                                   | 3        | Bias                | 99.803     | 99.802      | -0.001 |
| 308                                   | 3        | Unbiased            | 99.803     | 99.802      | -0.001 |
| 309                                   | 3        | Unbiased            | 99.802     | 99.802      | 0      |
| 310                                   | 3        | Unbiased            | 99.802     | 99.802      | 0      |
| 311                                   | 3        | Unbiased            | 99.803     | 99.804      | 0.001  |
| 312                                   | 3        | Unbiased            | 99.804     | 99.804      | 0      |
| 313                                   | 10       | Bias                | 99.801     | 99.802      | 0.001  |
| 314                                   | 10       | Bias                | 99.801     | 99.801      | 0      |
| 315                                   | 10       | Bias                | 99.799     | 99.8        | 0.001  |
| 316                                   | 10       | Bias                | 99.801     | 99.801      | 0      |
| 317                                   | 10       | Bias                | 99.799     | 99.8        | 0.001  |
| 318                                   | 10       | Unbiased            | 99.802     | 99.802      | 0      |
| 319                                   | 10       | Unbiased            | 99.799     | 99.801      | 0.002  |
| 320                                   | 10       | Unbiased            | 99.8       | 99.801      | 0.001  |
| 321                                   | 10       | Unbiased            | 99.8       | 99.8        | 0      |
| 322                                   | 10       | Unbiased            | 99.8       | 99.8        | 0      |
| 323                                   | 30       | Bias                | 99.802     | 99.803      | 0.001  |
| 324                                   | 30       | Bias                | 99.8       | 99.801      | 0.001  |
| 325                                   | 30       | Bias                | 99.799     | 99.8        | 0.001  |
| 326                                   | 30       | Bias                | 99.802     | 99.803      | 0.001  |
| 327                                   | 30       | Bias                | 99.8       | 99.8        | 0      |
| 328                                   | 30       | Unbiased            | 99.801     | 99.802      | 0.001  |
| 329                                   | 30       | Unbiased            | 99.801     | 99.801      | 0      |
| 330                                   | 30       | Unbiased            | 99.802     | 99.803      | 0.001  |
| 331                                   | 30       | Unbiased            | 99.801     | 99.801      | 0      |
| 332                                   | 30       | Unbiased            | 99.801     | 99.801      | 0      |
| 333                                   | 50       | Bias                | 99.802     | 99.803      | 0.001  |
| 334                                   | 50       | Bias                | 99.798     | 99.8        | 0.002  |
| 335                                   | 50       | Bias                | 99.801     | 99.803      | 0.002  |
| 336                                   | 50       | Bias                | 99.802     | 99.803      | 0.001  |
| 337                                   | 50       | Bias                | 99.799     | 99.8        | 0.001  |
| 338                                   | 50       | Unbiased            | 99.801     | 99.802      | 0.001  |
| 339                                   | 50       | Unbiased            | 99.803     | 99.802      | -0.001 |
| 340                                   | 50       | Unbiased            | 99.803     | 99.801      | -0.002 |
| 341                                   | 50       | Unbiased            | 99.803     | 99.802      | -0.001 |
| 342                                   | 50       | Unbiased            | 99.803     | 99.801      | -0.002 |
| 343                                   | 100      | Bias                | 99.804     | 99.803      | -0.001 |
| 344                                   | 100      | Bias                | 99.803     | 99.802      | -0.001 |
| 345                                   | 100      | Bias                | 99.803     | 99.802      | -0.001 |
| 346                                   | 100      | Bias                | 99.801     | 99.8        | -0.001 |
| 347                                   | 100      | Bias                | 99.803     | 99.802      | -0.001 |
| 348                                   | 100      | Unbiased            | 99.804     | 99.802      | -0.002 |
| 349                                   | 100      | Unbiased            | 99.802     | 99.8        | -0.002 |
| 350                                   | 100      | Unbiased            | 99.803     | 99.802      | -0.001 |
| 351                                   | 100      | Unbiased            | 99.801     | 99.8        | -0.001 |
| 352                                   | 100      | Unbiased            | 99.805     | 99.803      | -0.002 |

Test Statistics (%)

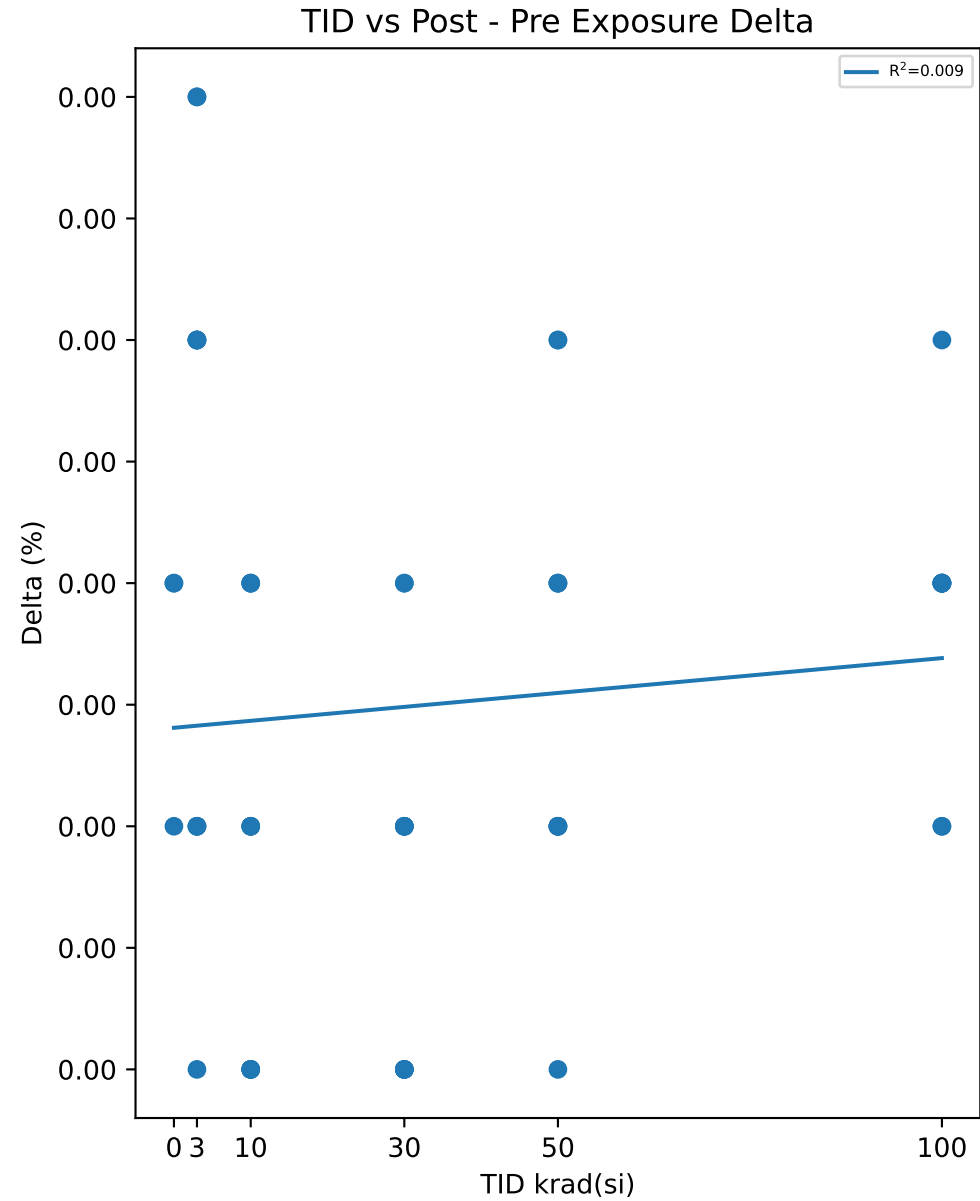
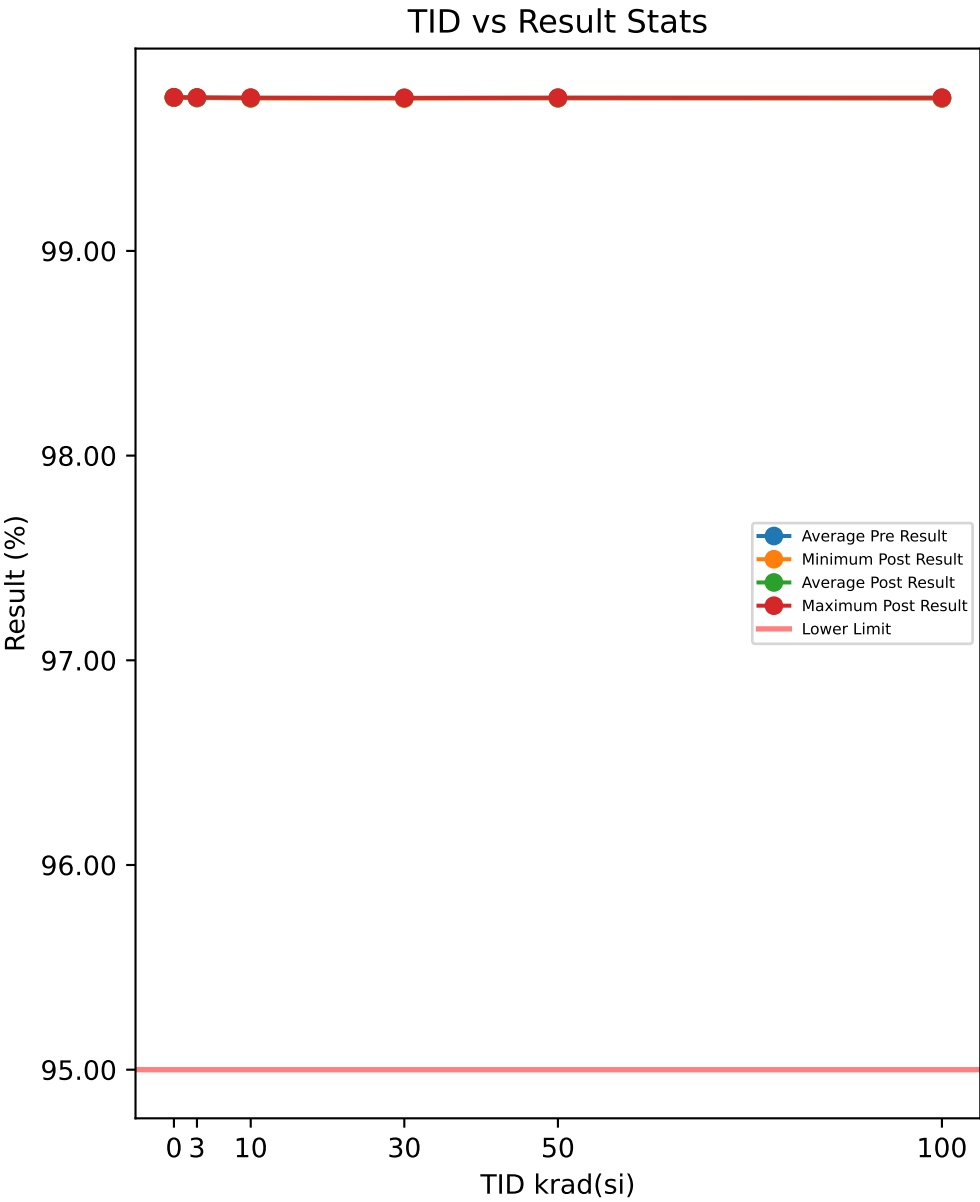
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|------------|
| 0        | 99.802           | 99.804           | 99.805           | 0.0015275        | 99.802            | 99.803            | 99.804            | 0.0011547         | -0.001    | -0.00033333 | 0         | 0.00057735 |
| 3        | 99.802           | 99.803           | 99.804           | 0.00078881       | 99.802            | 99.803            | 99.804            | 0.00084984        | -0.002    | -0.0007     | 0.001     | 0.00094868 |
| 10       | 99.799           | 99.8             | 99.802           | 0.0010328        | 99.8              | 99.801            | 99.802            | 0.00078881        | 0         | 0.0006      | 0.002     | 0.00069921 |
| 30       | 99.799           | 99.801           | 99.802           | 0.00099443       | 99.8              | 99.802            | 99.803            | 0.0011785         | 0         | 0.0006      | 0.001     | 0.0005164  |
| 50       | 99.798           | 99.802           | 99.803           | 0.0017795        | 99.8              | 99.802            | 99.803            | 0.0011595         | -0.002    | 0.0002      | 0.002     | 0.0015492  |
| 100      | 99.801           | 99.803           | 99.805           | 0.0012867        | 99.8              | 99.802            | 99.803            | 0.0011738         | -0.002    | -0.0013     | -0.001    | 0.00048305 |



| Test Results (Lower Limit = 95.0 (%)) |          |                     |            |             |       |
|---------------------------------------|----------|---------------------|------------|-------------|-------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
| 300                                   | 0        | Correlation         | 99.755     | 99.757      | 0.002 |
| 301                                   | 0        | Correlation         | 99.756     | 99.756      | 0     |
| 302                                   | 0        | Correlation         | 99.754     | 99.755      | 0.001 |
| 303                                   | 3        | Bias                | 99.752     | 99.756      | 0.004 |
| 304                                   | 3        | Bias                | 99.75      | 99.753      | 0.003 |
| 305                                   | 3        | Bias                | 99.751     | 99.755      | 0.004 |
| 306                                   | 3        | Bias                | 99.751     | 99.755      | 0.004 |
| 307                                   | 3        | Bias                | 99.751     | 99.755      | 0.004 |
| 308                                   | 3        | Unbiased            | 99.751     | 99.754      | 0.003 |
| 309                                   | 3        | Unbiased            | 99.752     | 99.754      | 0.002 |
| 310                                   | 3        | Unbiased            | 99.752     | 99.753      | 0.001 |
| 311                                   | 3        | Unbiased            | 99.754     | 99.756      | 0.002 |
| 312                                   | 3        | Unbiased            | 99.754     | 99.756      | 0.002 |
| 313                                   | 10       | Bias                | 99.752     | 99.754      | 0.002 |
| 314                                   | 10       | Bias                | 99.752     | 99.754      | 0.002 |
| 315                                   | 10       | Bias                | 99.751     | 99.752      | 0.001 |
| 316                                   | 10       | Bias                | 99.749     | 99.75       | 0.001 |
| 317                                   | 10       | Bias                | 99.751     | 99.753      | 0.002 |
| 318                                   | 10       | Unbiased            | 99.752     | 99.754      | 0.002 |
| 319                                   | 10       | Unbiased            | 99.751     | 99.754      | 0.003 |
| 320                                   | 10       | Unbiased            | 99.751     | 99.753      | 0.002 |
| 321                                   | 10       | Unbiased            | 99.752     | 99.753      | 0.001 |
| 322                                   | 10       | Unbiased            | 99.75      | 99.752      | 0.002 |
| 323                                   | 30       | Bias                | 99.752     | 99.753      | 0.001 |
| 324                                   | 30       | Bias                | 99.753     | 99.753      | 0     |
| 325                                   | 30       | Bias                | 99.75      | 99.752      | 0.002 |
| 326                                   | 30       | Bias                | 99.751     | 99.754      | 0.003 |
| 327                                   | 30       | Bias                | 99.75      | 99.751      | 0.001 |
| 328                                   | 30       | Unbiased            | 99.753     | 99.754      | 0.001 |
| 329                                   | 30       | Unbiased            | 99.752     | 99.752      | 0     |
| 330                                   | 30       | Unbiased            | 99.752     | 99.753      | 0.001 |
| 331                                   | 30       | Unbiased            | 99.752     | 99.753      | 0.001 |
| 332                                   | 30       | Unbiased            | 99.751     | 99.753      | 0.002 |
| 333                                   | 50       | Bias                | 99.751     | 99.753      | 0.002 |
| 334                                   | 50       | Bias                | 99.75      | 99.751      | 0.001 |
| 335                                   | 50       | Bias                | 99.753     | 99.755      | 0.002 |
| 336                                   | 50       | Bias                | 99.753     | 99.754      | 0.001 |
| 337                                   | 50       | Bias                | 99.75      | 99.752      | 0.002 |
| 338                                   | 50       | Unbiased            | 99.75      | 99.753      | 0.003 |
| 339                                   | 50       | Unbiased            | 99.753     | 99.755      | 0.002 |
| 340                                   | 50       | Unbiased            | 99.749     | 99.752      | 0.003 |
| 341                                   | 50       | Unbiased            | 99.751     | 99.754      | 0.003 |
| 342                                   | 50       | Unbiased            | 99.75      | 99.753      | 0.003 |
| 343                                   | 100      | Bias                | 99.752     | 99.754      | 0.002 |
| 344                                   | 100      | Bias                | 99.751     | 99.753      | 0.002 |
| 345                                   | 100      | Bias                | 99.75      | 99.753      | 0.003 |
| 346                                   | 100      | Bias                | 99.75      | 99.751      | 0.001 |
| 347                                   | 100      | Bias                | 99.751     | 99.752      | 0.001 |
| 348                                   | 100      | Unbiased            | 99.751     | 99.753      | 0.002 |
| 349                                   | 100      | Unbiased            | 99.748     | 99.75       | 0.002 |
| 350                                   | 100      | Unbiased            | 99.751     | 99.753      | 0.002 |
| 351                                   | 100      | Unbiased            | 99.749     | 99.751      | 0.002 |
| 352                                   | 100      | Unbiased            | 99.753     | 99.755      | 0.002 |

| Test Statistics (%) |                  |                  |                  |                  |                   |                   |                   |                   |           |           |           |            |
|---------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| krad(si)            | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
| 0                   | 99.754           | 99.755           | 99.756           | 0.001            | 99.755            | 99.756            | 99.757            | 0.001             | 0         | 0.001     | 0.002     | 0.001      |
| 3                   | 99.75            | 99.752           | 99.754           | 0.0013166        | 99.753            | 99.755            | 99.756            | 0.0011595         | 0.001     | 0.0029    | 0.004     | 0.0011005  |
| 10                  | 99.749           | 99.751           | 99.752           | 0.00099443       | 99.75             | 99.753            | 99.754            | 0.0012867         | 0.001     | 0.0018    | 0.003     | 0.00063246 |
| 30                  | 99.75            | 99.752           | 99.753           | 0.001075         | 99.751            | 99.753            | 99.754            | 0.00091894        | 0         | 0.0012    | 0.003     | 0.00091894 |
| 50                  | 99.749           | 99.751           | 99.753           | 0.0014907        | 99.751            | 99.753            | 99.755            | 0.0013166         | 0.001     | 0.0022    | 0.003     | 0.00078881 |
| 100                 | 99.748           | 99.751           | 99.753           | 0.0014298        | 99.75             | 99.752            | 99.755            | 0.0015092         | 0.001     | 0.0019    | 0.003     | 0.00056765 |

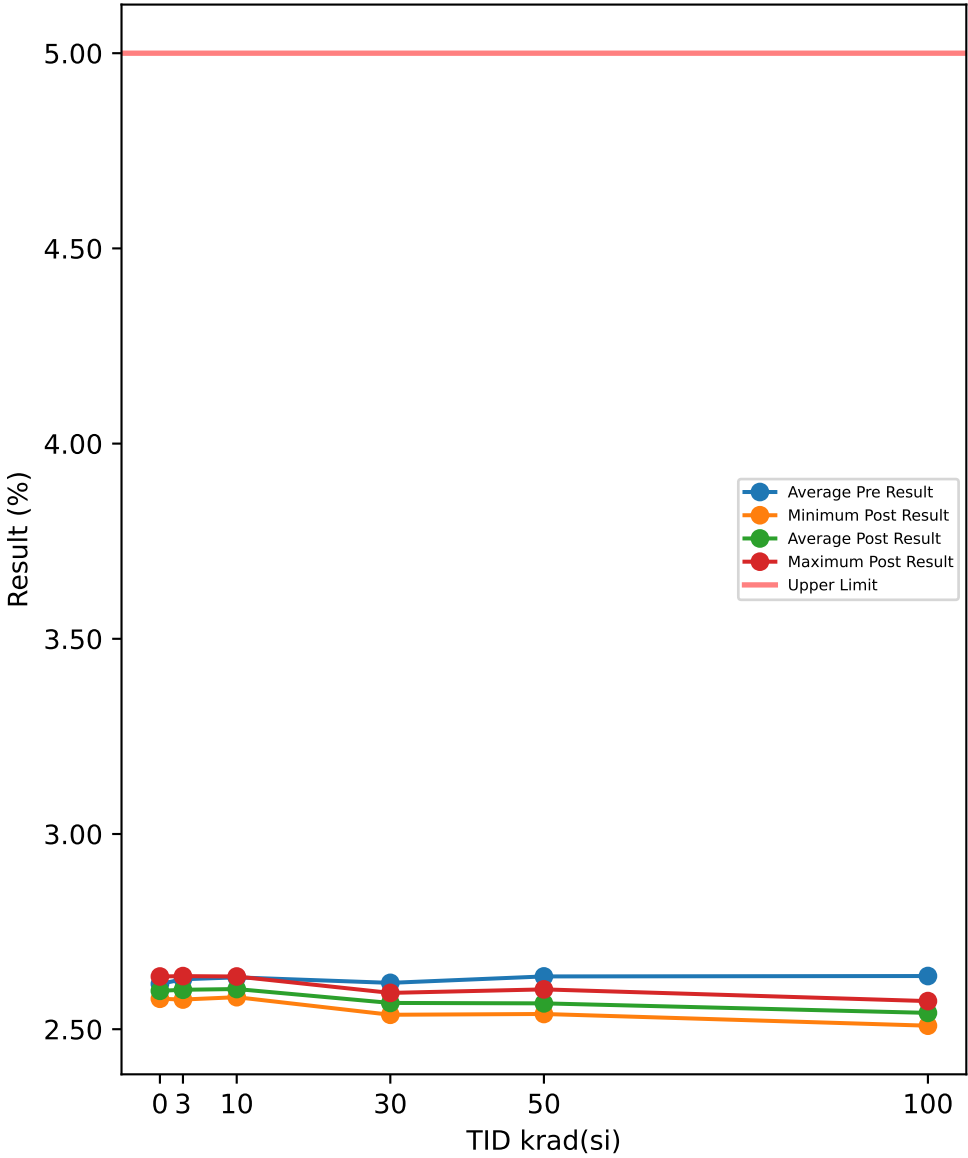




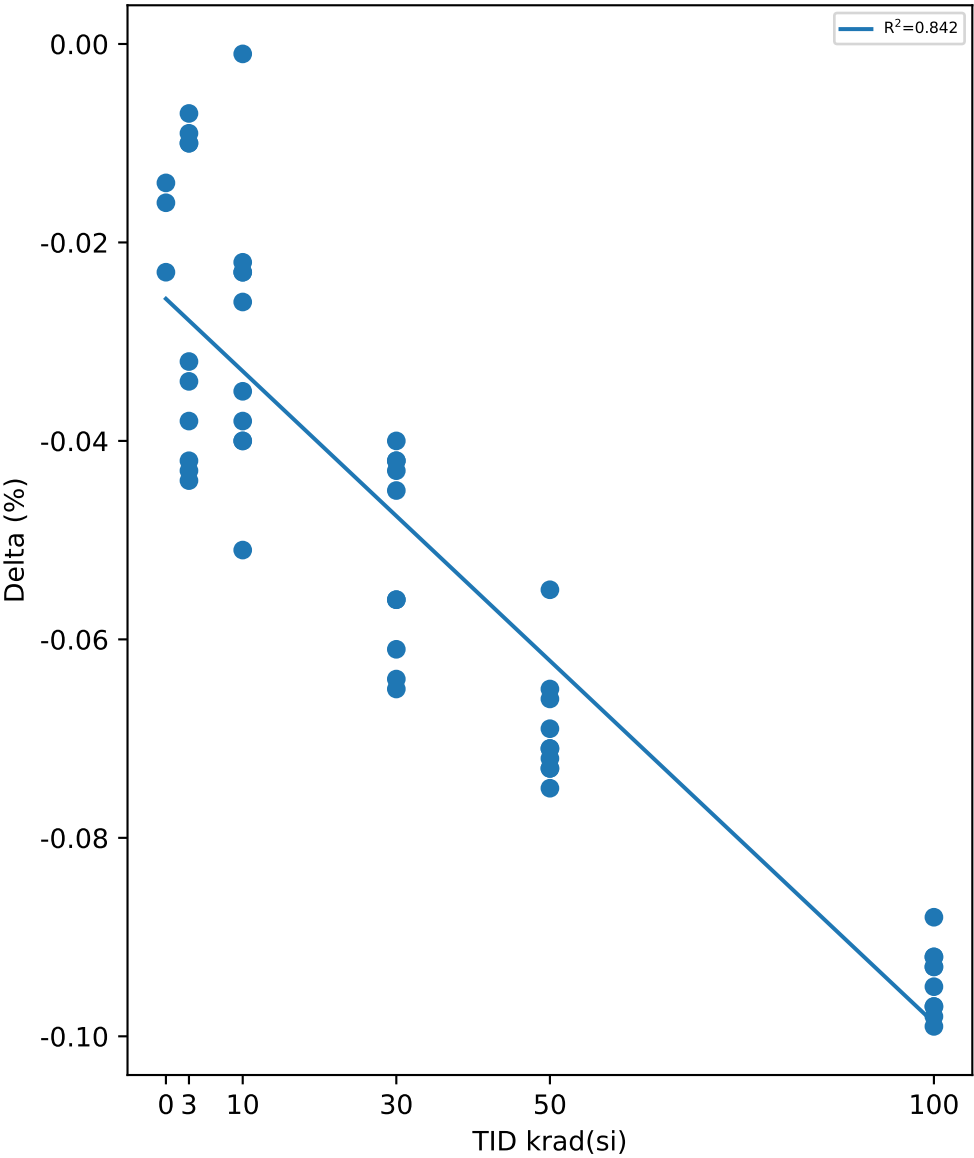
| Test Results (Lower Limit = 95.0 (%)) |          |                     |            |             |       |
|---------------------------------------|----------|---------------------|------------|-------------|-------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
| 300                                   | 0        | Correlation         | 99.749     | 99.751      | 0.002 |
| 301                                   | 0        | Correlation         | 99.75      | 99.751      | 0.001 |
| 302                                   | 0        | Correlation         | 99.747     | 99.749      | 0.002 |
| 303                                   | 3        | Bias                | 99.745     | 99.749      | 0.004 |
| 304                                   | 3        | Bias                | 99.745     | 99.748      | 0.003 |
| 305                                   | 3        | Bias                | 99.746     | 99.749      | 0.003 |
| 306                                   | 3        | Bias                | 99.747     | 99.75       | 0.003 |
| 307                                   | 3        | Bias                | 99.745     | 99.749      | 0.004 |
| 308                                   | 3        | Unbiased            | 99.745     | 99.748      | 0.003 |
| 309                                   | 3        | Unbiased            | 99.747     | 99.748      | 0.001 |
| 310                                   | 3        | Unbiased            | 99.748     | 99.748      | 0     |
| 311                                   | 3        | Unbiased            | 99.749     | 99.75       | 0.001 |
| 312                                   | 3        | Unbiased            | 99.749     | 99.75       | 0.001 |
| 313                                   | 10       | Bias                | 99.747     | 99.749      | 0.002 |
| 314                                   | 10       | Bias                | 99.747     | 99.748      | 0.001 |
| 315                                   | 10       | Bias                | 99.746     | 99.746      | 0     |
| 316                                   | 10       | Bias                | 99.745     | 99.745      | 0     |
| 317                                   | 10       | Bias                | 99.746     | 99.747      | 0.001 |
| 318                                   | 10       | Unbiased            | 99.748     | 99.748      | 0     |
| 319                                   | 10       | Unbiased            | 99.746     | 99.748      | 0.002 |
| 320                                   | 10       | Unbiased            | 99.746     | 99.748      | 0.002 |
| 321                                   | 10       | Unbiased            | 99.747     | 99.747      | 0     |
| 322                                   | 10       | Unbiased            | 99.745     | 99.746      | 0.001 |
| 323                                   | 30       | Bias                | 99.747     | 99.748      | 0.001 |
| 324                                   | 30       | Bias                | 99.746     | 99.746      | 0     |
| 325                                   | 30       | Bias                | 99.745     | 99.747      | 0.002 |
| 326                                   | 30       | Bias                | 99.747     | 99.748      | 0.001 |
| 327                                   | 30       | Bias                | 99.744     | 99.744      | 0     |
| 328                                   | 30       | Unbiased            | 99.747     | 99.748      | 0.001 |
| 329                                   | 30       | Unbiased            | 99.747     | 99.747      | 0     |
| 330                                   | 30       | Unbiased            | 99.746     | 99.747      | 0.001 |
| 331                                   | 30       | Unbiased            | 99.747     | 99.747      | 0     |
| 332                                   | 30       | Unbiased            | 99.746     | 99.748      | 0.002 |
| 333                                   | 50       | Bias                | 99.746     | 99.747      | 0.001 |
| 334                                   | 50       | Bias                | 99.746     | 99.746      | 0     |
| 335                                   | 50       | Bias                | 99.748     | 99.749      | 0.001 |
| 336                                   | 50       | Bias                | 99.748     | 99.749      | 0.001 |
| 337                                   | 50       | Bias                | 99.745     | 99.746      | 0.001 |
| 338                                   | 50       | Unbiased            | 99.745     | 99.747      | 0.002 |
| 339                                   | 50       | Unbiased            | 99.746     | 99.749      | 0.003 |
| 340                                   | 50       | Unbiased            | 99.744     | 99.746      | 0.002 |
| 341                                   | 50       | Unbiased            | 99.746     | 99.748      | 0.002 |
| 342                                   | 50       | Unbiased            | 99.744     | 99.747      | 0.003 |
| 343                                   | 100      | Bias                | 99.746     | 99.748      | 0.002 |
| 344                                   | 100      | Bias                | 99.746     | 99.748      | 0.002 |
| 345                                   | 100      | Bias                | 99.746     | 99.748      | 0.002 |
| 346                                   | 100      | Bias                | 99.744     | 99.746      | 0.002 |
| 347                                   | 100      | Bias                | 99.746     | 99.747      | 0.001 |
| 348                                   | 100      | Unbiased            | 99.746     | 99.748      | 0.002 |
| 349                                   | 100      | Unbiased            | 99.743     | 99.745      | 0.002 |
| 350                                   | 100      | Unbiased            | 99.745     | 99.748      | 0.003 |
| 351                                   | 100      | Unbiased            | 99.744     | 99.746      | 0.002 |
| 352                                   | 100      | Unbiased            | 99.748     | 99.749      | 0.001 |

| Test Statistics (%) |                  |                  |                  |                  |                   |                   |                   |                   |           |           |           |            |
|---------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| krad(si)            | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
| 0                   | 99.747           | 99.749           | 99.75            | 0.0015275        | 99.749            | 99.75             | 99.751            | 0.0011547         | 0.001     | 0.0016667 | 0.002     | 0.00057735 |
| 3                   | 99.745           | 99.747           | 99.749           | 0.0016465        | 99.748            | 99.749            | 99.75             | 0.0008756         | 0         | 0.0023    | 0.004     | 0.0014181  |
| 10                  | 99.745           | 99.746           | 99.748           | 0.00094868       | 99.745            | 99.747            | 99.749            | 0.0012293         | 0         | 0.0009    | 0.002     | 0.0008756  |
| 30                  | 99.744           | 99.746           | 99.747           | 0.0010328        | 99.744            | 99.747            | 99.748            | 0.0012472         | 0         | 0.0008    | 0.002     | 0.00078881 |
| 50                  | 99.744           | 99.746           | 99.748           | 0.0013984        | 99.746            | 99.747            | 99.749            | 0.0012649         | 0         | 0.0016    | 0.003     | 0.00096609 |
| 100                 | 99.743           | 99.745           | 99.748           | 0.0014298        | 99.745            | 99.747            | 99.749            | 0.0012517         | 0.001     | 0.0019    | 0.003     | 0.00056765 |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



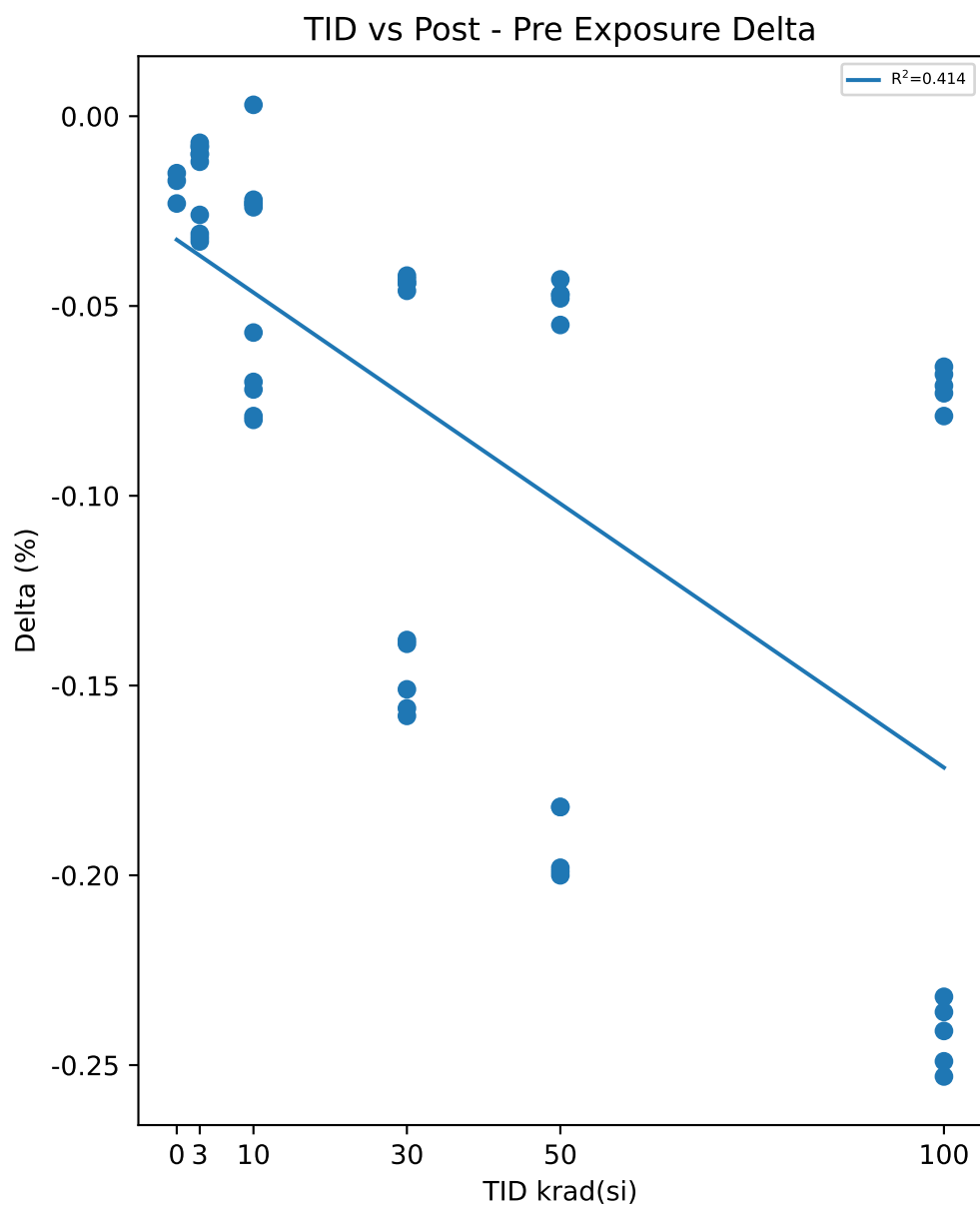
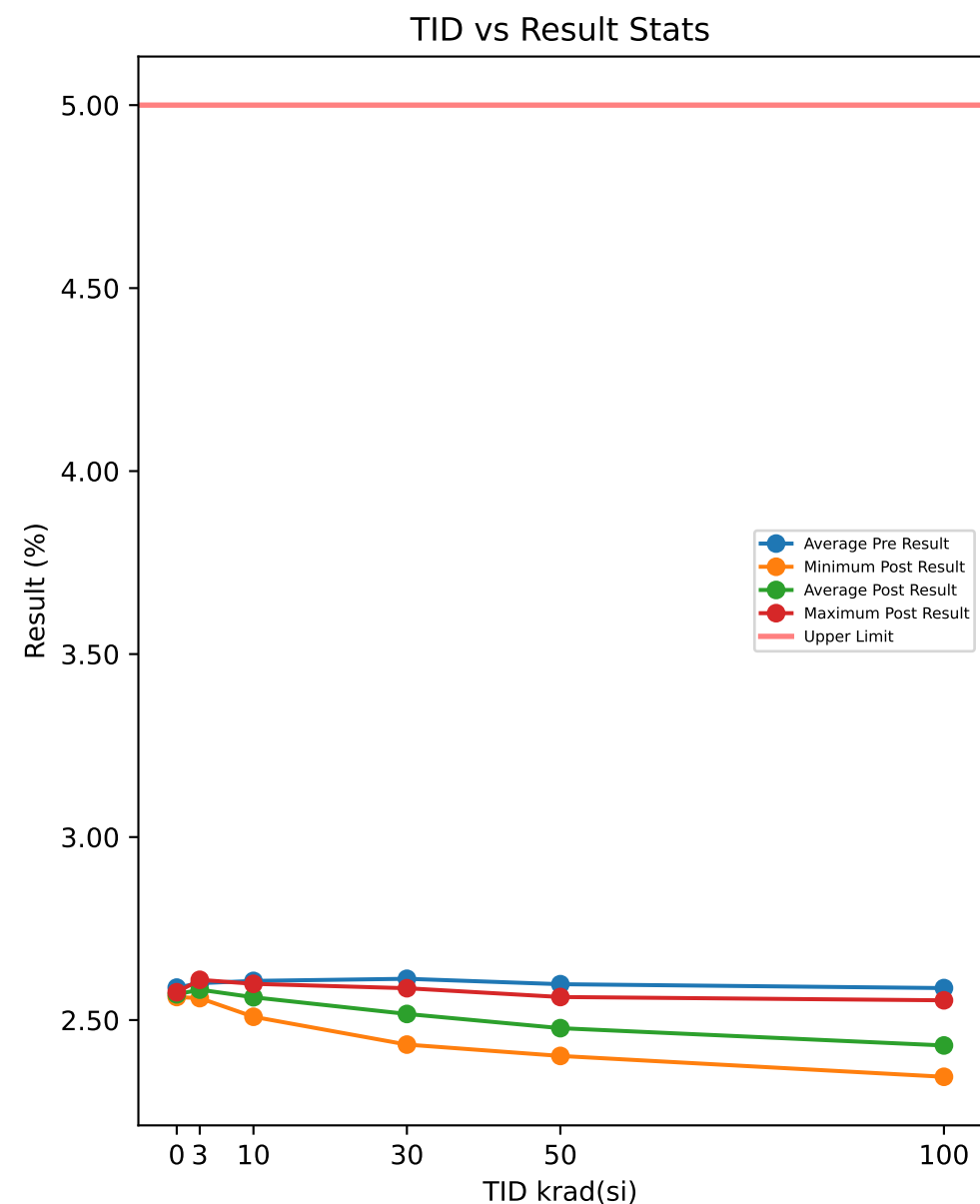
Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 2.605      | 2.582       | -0.023 |
| 301      | 0        | Correlation         | 2.594      | 2.578       | -0.016 |
| 302      | 0        | Correlation         | 2.649      | 2.635       | -0.014 |
| 303      | 3        | Bias                | 2.624      | 2.581       | -0.043 |
| 304      | 3        | Bias                | 2.68       | 2.636       | -0.044 |
| 305      | 3        | Bias                | 2.638      | 2.596       | -0.042 |
| 306      | 3        | Bias                | 2.638      | 2.6         | -0.038 |
| 307      | 3        | Bias                | 2.636      | 2.602       | -0.034 |
| 308      | 3        | Unbiased            | 2.635      | 2.603       | -0.032 |
| 309      | 3        | Unbiased            | 2.638      | 2.628       | -0.01  |
| 310      | 3        | Unbiased            | 2.611      | 2.604       | -0.007 |
| 311      | 3        | Unbiased            | 2.585      | 2.576       | -0.009 |
| 312      | 3        | Unbiased            | 2.594      | 2.584       | -0.01  |
| 313      | 10       | Bias                | 2.633      | 2.598       | -0.035 |
| 314      | 10       | Bias                | 2.648      | 2.608       | -0.04  |
| 315      | 10       | Bias                | 2.624      | 2.586       | -0.038 |
| 316      | 10       | Bias                | 2.627      | 2.604       | -0.023 |
| 317      | 10       | Bias                | 2.629      | 2.589       | -0.04  |
| 318      | 10       | Unbiased            | 2.624      | 2.601       | -0.023 |
| 319      | 10       | Unbiased            | 2.604      | 2.582       | -0.022 |
| 320      | 10       | Unbiased            | 2.651      | 2.6         | -0.051 |
| 321      | 10       | Unbiased            | 2.627      | 2.626       | -0.001 |
| 322      | 10       | Unbiased            | 2.661      | 2.635       | -0.026 |
| 323      | 30       | Bias                | 2.617      | 2.561       | -0.056 |
| 324      | 30       | Bias                | 2.608      | 2.552       | -0.056 |
| 325      | 30       | Bias                | 2.649      | 2.584       | -0.065 |
| 326      | 30       | Bias                | 2.601      | 2.537       | -0.064 |
| 327      | 30       | Bias                | 2.633      | 2.572       | -0.061 |
| 328      | 30       | Unbiased            | 2.599      | 2.559       | -0.04  |
| 329      | 30       | Unbiased            | 2.635      | 2.593       | -0.042 |
| 330      | 30       | Unbiased            | 2.605      | 2.562       | -0.043 |
| 331      | 30       | Unbiased            | 2.626      | 2.581       | -0.045 |
| 332      | 30       | Unbiased            | 2.614      | 2.572       | -0.042 |
| 333      | 50       | Bias                | 2.605      | 2.539       | -0.066 |
| 334      | 50       | Bias                | 2.64       | 2.571       | -0.069 |
| 335      | 50       | Bias                | 2.616      | 2.544       | -0.072 |
| 336      | 50       | Bias                | 2.631      | 2.56        | -0.071 |
| 337      | 50       | Bias                | 2.666      | 2.591       | -0.075 |
| 338      | 50       | Unbiased            | 2.613      | 2.558       | -0.055 |
| 339      | 50       | Unbiased            | 2.606      | 2.541       | -0.065 |
| 340      | 50       | Unbiased            | 2.648      | 2.575       | -0.073 |
| 341      | 50       | Unbiased            | 2.652      | 2.581       | -0.071 |
| 342      | 50       | Unbiased            | 2.675      | 2.602       | -0.073 |
| 343      | 100      | Bias                | 2.629      | 2.536       | -0.093 |
| 344      | 100      | Bias                | 2.643      | 2.546       | -0.097 |
| 345      | 100      | Bias                | 2.632      | 2.535       | -0.097 |
| 346      | 100      | Bias                | 2.653      | 2.558       | -0.095 |
| 347      | 100      | Bias                | 2.642      | 2.55        | -0.092 |
| 348      | 100      | Unbiased            | 2.665      | 2.572       | -0.093 |
| 349      | 100      | Unbiased            | 2.636      | 2.548       | -0.088 |
| 350      | 100      | Unbiased            | 2.608      | 2.509       | -0.099 |
| 351      | 100      | Unbiased            | 2.645      | 2.547       | -0.098 |
| 352      | 100      | Unbiased            | 2.609      | 2.517       | -0.092 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 2.594            | 2.616            | 2.649            | 0.029103         | 2.578             | 2.5983            | 2.635             | 0.031817          | -0.023    | -0.017667 | -0.014    | 0.0047258 |
| 3        | 2.585            | 2.6279           | 2.68             | 0.026723         | 2.576             | 2.601             | 2.636             | 0.019172          | -0.044    | -0.0269   | -0.007    | 0.015871  |
| 10       | 2.604            | 2.6328           | 2.661            | 0.01641          | 2.582             | 2.6029            | 2.635             | 0.016809          | -0.051    | -0.0299   | -0.001    | 0.01394   |
| 30       | 2.599            | 2.6187           | 2.649            | 0.016567         | 2.537             | 2.5673            | 2.593             | 0.016533          | -0.065    | -0.0514   | -0.04     | 0.00998   |
| 50       | 2.605            | 2.6352           | 2.675            | 0.025046         | 2.539             | 2.5662            | 2.602             | 0.021576          | -0.075    | -0.069    | -0.055    | 0.005831  |
| 100      | 2.608            | 2.6362           | 2.665            | 0.017869         | 2.509             | 2.5418            | 2.572             | 0.018546          | -0.099    | -0.0944   | -0.088    | 0.0034059 |

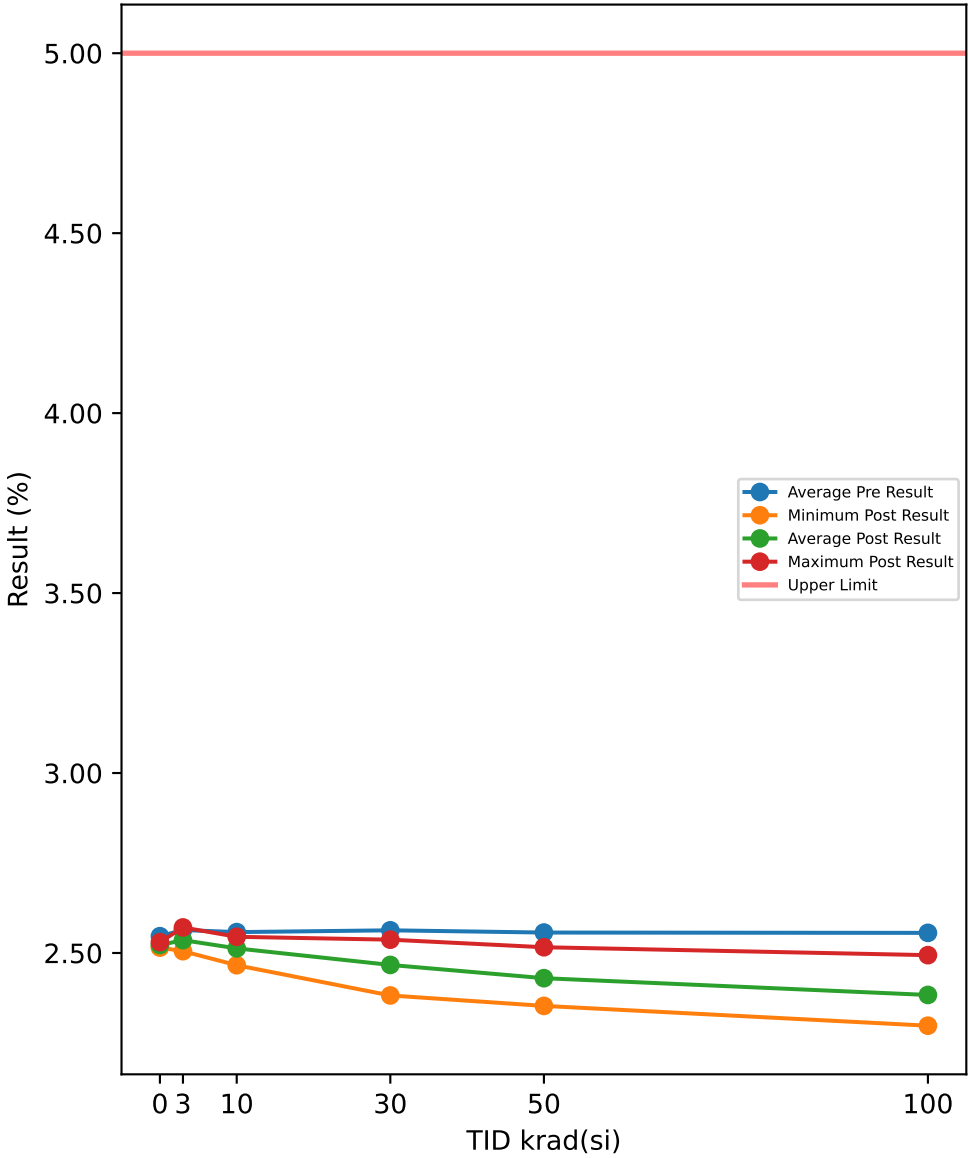
## Device Test: 6.66 ; VOL\_RESET\_2MA



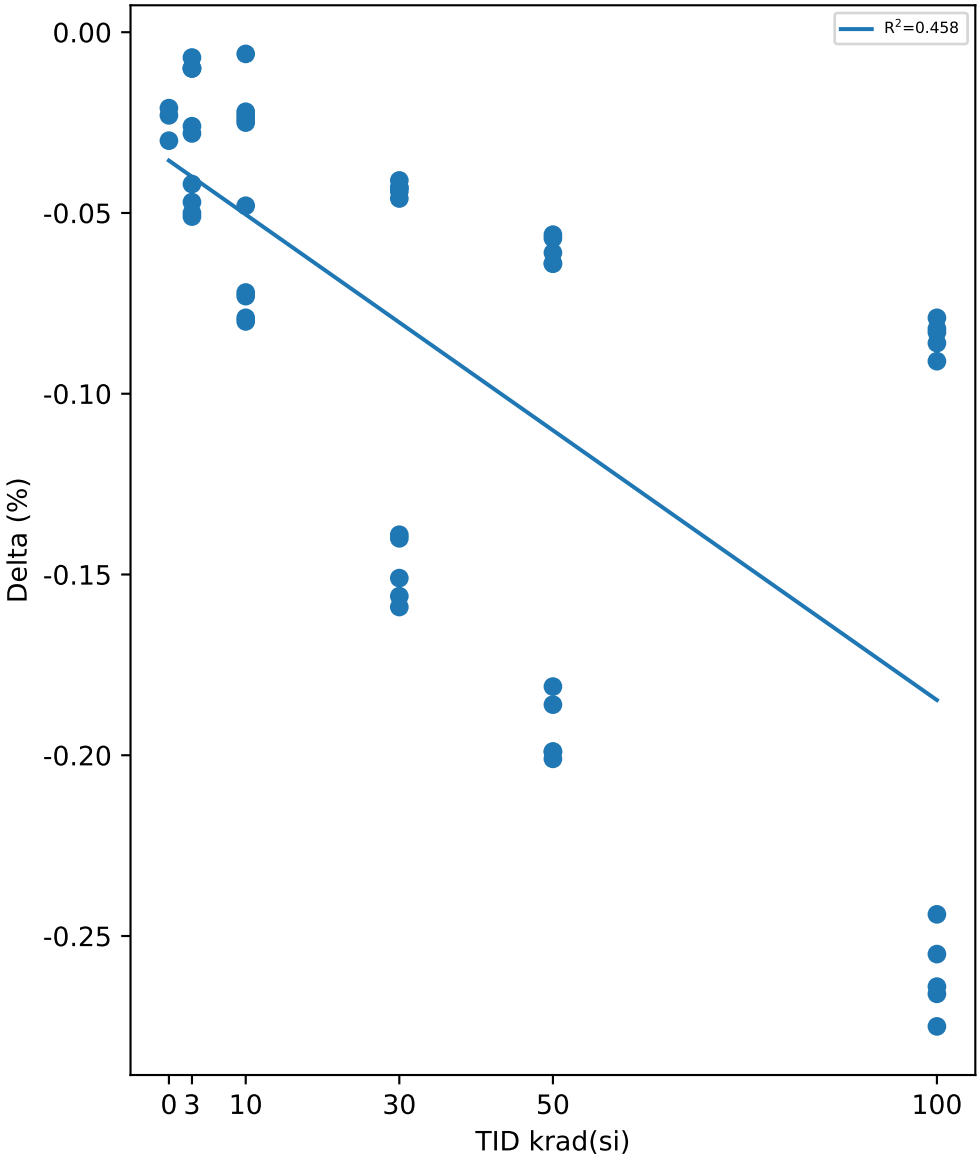
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 2.599      | 2.576       | -0.023 |
| 301      | 0        | Correlation         | 2.58       | 2.563       | -0.017 |
| 302      | 0        | Correlation         | 2.587      | 2.572       | -0.015 |
| 303      | 3        | Bias                | 2.601      | 2.57        | -0.031 |
| 304      | 3        | Bias                | 2.608      | 2.576       | -0.032 |
| 305      | 3        | Bias                | 2.624      | 2.591       | -0.033 |
| 306      | 3        | Bias                | 2.604      | 2.578       | -0.026 |
| 307      | 3        | Bias                | 2.612      | 2.6         | -0.012 |
| 308      | 3        | Unbiased            | 2.618      | 2.61        | -0.008 |
| 309      | 3        | Unbiased            | 2.577      | 2.567       | -0.01  |
| 310      | 3        | Unbiased            | 2.617      | 2.61        | -0.007 |
| 311      | 3        | Unbiased            | 2.579      | 2.569       | -0.01  |
| 312      | 3        | Unbiased            | 2.568      | 2.56        | -0.008 |
| 313      | 10       | Bias                | 2.624      | 2.554       | -0.07  |
| 314      | 10       | Bias                | 2.581      | 2.509       | -0.072 |
| 315      | 10       | Bias                | 2.624      | 2.545       | -0.079 |
| 316      | 10       | Bias                | 2.598      | 2.575       | -0.023 |
| 317      | 10       | Bias                | 2.634      | 2.554       | -0.08  |
| 318      | 10       | Unbiased            | 2.57       | 2.548       | -0.022 |
| 319      | 10       | Unbiased            | 2.618      | 2.595       | -0.023 |
| 320      | 10       | Unbiased            | 2.596      | 2.599       | 0.003  |
| 321      | 10       | Unbiased            | 2.628      | 2.571       | -0.057 |
| 322      | 10       | Unbiased            | 2.597      | 2.573       | -0.024 |
| 323      | 30       | Bias                | 2.624      | 2.485       | -0.139 |
| 324      | 30       | Bias                | 2.616      | 2.478       | -0.138 |
| 325      | 30       | Bias                | 2.591      | 2.433       | -0.158 |
| 326      | 30       | Bias                | 2.598      | 2.442       | -0.156 |
| 327      | 30       | Bias                | 2.641      | 2.49        | -0.151 |
| 328      | 30       | Unbiased            | 2.602      | 2.559       | -0.043 |
| 329      | 30       | Unbiased            | 2.629      | 2.587       | -0.042 |
| 330      | 30       | Unbiased            | 2.587      | 2.543       | -0.044 |
| 331      | 30       | Unbiased            | 2.613      | 2.567       | -0.046 |
| 332      | 30       | Unbiased            | 2.627      | 2.583       | -0.044 |
| 333      | 50       | Bias                | 2.609      | 2.427       | -0.182 |
| 334      | 50       | Bias                | 2.584      | 2.402       | -0.182 |
| 335      | 50       | Bias                | 2.613      | 2.413       | -0.2   |
| 336      | 50       | Bias                | 2.619      | 2.42        | -0.199 |
| 337      | 50       | Bias                | 2.621      | 2.423       | -0.198 |
| 338      | 50       | Unbiased            | 2.598      | 2.543       | -0.055 |
| 339      | 50       | Unbiased            | 2.566      | 2.523       | -0.043 |
| 340      | 50       | Unbiased            | 2.585      | 2.537       | -0.048 |
| 341      | 50       | Unbiased            | 2.61       | 2.563       | -0.047 |
| 342      | 50       | Unbiased            | 2.575      | 2.528       | -0.047 |
| 343      | 100      | Bias                | 2.577      | 2.345       | -0.232 |
| 344      | 100      | Bias                | 2.594      | 2.358       | -0.236 |
| 345      | 100      | Bias                | 2.597      | 2.348       | -0.249 |
| 346      | 100      | Bias                | 2.606      | 2.353       | -0.253 |
| 347      | 100      | Bias                | 2.6        | 2.359       | -0.241 |
| 348      | 100      | Unbiased            | 2.569      | 2.503       | -0.066 |
| 349      | 100      | Unbiased            | 2.622      | 2.554       | -0.068 |
| 350      | 100      | Unbiased            | 2.577      | 2.498       | -0.079 |
| 351      | 100      | Unbiased            | 2.564      | 2.491       | -0.073 |
| 352      | 100      | Unbiased            | 2.568      | 2.497       | -0.071 |

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 2.58             | 2.5887           | 2.599            | 0.009609         | 2.563             | 2.5703            | 2.576             | 0.0066583         | -0.023    | -0.018333 | -0.015    | 0.0041633 |
| 3        | 2.568            | 2.6008           | 2.624            | 0.019441         | 2.56              | 2.5831            | 2.61              | 0.018363          | -0.033    | -0.0177   | -0.007    | 0.011245  |
| 10       | 2.57             | 2.607            | 2.634            | 0.021644         | 2.509             | 2.5623            | 2.599             | 0.026353          | -0.08     | -0.0447   | 0.003     | 0.030037  |
| 30       | 2.587            | 2.6128           | 2.641            | 0.017862         | 2.433             | 2.5167            | 2.587             | 0.057879          | -0.158    | -0.0961   | -0.042    | 0.055493  |
| 50       | 2.566            | 2.598            | 2.621            | 0.019374         | 2.402             | 2.4779            | 2.563             | 0.06536           | -0.2      | -0.1201   | -0.043    | 0.07631   |
| 100      | 2.564            | 2.5874           | 2.622            | 0.019196         | 2.345             | 2.4306            | 2.554             | 0.084089          | -0.253    | -0.1568   | -0.066    | 0.090271  |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



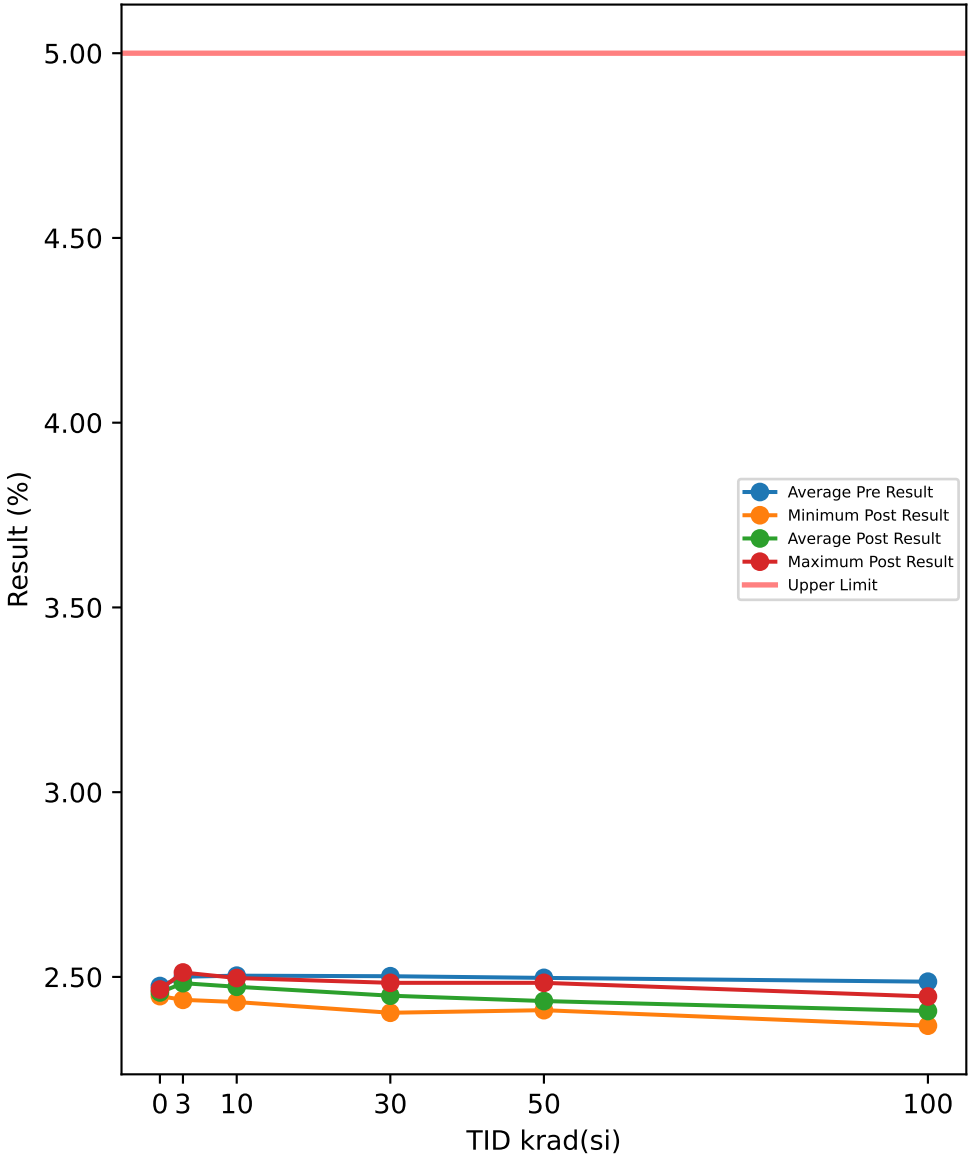
Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 2.56       | 2.53        | -0.03  |
| 301      | 0        | Correlation         | 2.538      | 2.515       | -0.023 |
| 302      | 0        | Correlation         | 2.542      | 2.521       | -0.021 |
| 303      | 3        | Bias                | 2.565      | 2.518       | -0.047 |
| 304      | 3        | Bias                | 2.596      | 2.545       | -0.051 |
| 305      | 3        | Bias                | 2.578      | 2.528       | -0.05  |
| 306      | 3        | Bias                | 2.58       | 2.538       | -0.042 |
| 307      | 3        | Bias                | 2.576      | 2.548       | -0.028 |
| 308      | 3        | Unbiased            | 2.597      | 2.571       | -0.026 |
| 309      | 3        | Unbiased            | 2.537      | 2.527       | -0.01  |
| 310      | 3        | Unbiased            | 2.567      | 2.56        | -0.007 |
| 311      | 3        | Unbiased            | 2.527      | 2.517       | -0.01  |
| 312      | 3        | Unbiased            | 2.515      | 2.505       | -0.01  |
| 313      | 10       | Bias                | 2.579      | 2.507       | -0.072 |
| 314      | 10       | Bias                | 2.539      | 2.466       | -0.073 |
| 315      | 10       | Bias                | 2.568      | 2.489       | -0.079 |
| 316      | 10       | Bias                | 2.55       | 2.527       | -0.023 |
| 317      | 10       | Bias                | 2.585      | 2.505       | -0.08  |
| 318      | 10       | Unbiased            | 2.517      | 2.495       | -0.022 |
| 319      | 10       | Unbiased            | 2.561      | 2.537       | -0.024 |
| 320      | 10       | Unbiased            | 2.551      | 2.545       | -0.006 |
| 321      | 10       | Unbiased            | 2.574      | 2.526       | -0.048 |
| 322      | 10       | Unbiased            | 2.556      | 2.531       | -0.025 |
| 323      | 30       | Bias                | 2.579      | 2.439       | -0.14  |
| 324      | 30       | Bias                | 2.561      | 2.422       | -0.139 |
| 325      | 30       | Bias                | 2.55       | 2.391       | -0.159 |
| 326      | 30       | Bias                | 2.538      | 2.382       | -0.156 |
| 327      | 30       | Bias                | 2.593      | 2.442       | -0.151 |
| 328      | 30       | Unbiased            | 2.543      | 2.5         | -0.043 |
| 329      | 30       | Unbiased            | 2.578      | 2.537       | -0.041 |
| 330      | 30       | Unbiased            | 2.535      | 2.491       | -0.044 |
| 331      | 30       | Unbiased            | 2.581      | 2.535       | -0.046 |
| 332      | 30       | Unbiased            | 2.572      | 2.529       | -0.043 |
| 333      | 50       | Bias                | 2.554      | 2.373       | -0.181 |
| 334      | 50       | Bias                | 2.539      | 2.353       | -0.186 |
| 335      | 50       | Bias                | 2.566      | 2.367       | -0.199 |
| 336      | 50       | Bias                | 2.582      | 2.383       | -0.199 |
| 337      | 50       | Bias                | 2.574      | 2.373       | -0.201 |
| 338      | 50       | Unbiased            | 2.547      | 2.491       | -0.056 |
| 339      | 50       | Unbiased            | 2.531      | 2.474       | -0.057 |
| 340      | 50       | Unbiased            | 2.55       | 2.486       | -0.064 |
| 341      | 50       | Unbiased            | 2.58       | 2.516       | -0.064 |
| 342      | 50       | Unbiased            | 2.545      | 2.484       | -0.061 |
| 343      | 100      | Bias                | 2.542      | 2.298       | -0.244 |
| 344      | 100      | Bias                | 2.572      | 2.317       | -0.255 |
| 345      | 100      | Bias                | 2.565      | 2.301       | -0.264 |
| 346      | 100      | Bias                | 2.598      | 2.323       | -0.275 |
| 347      | 100      | Bias                | 2.58       | 2.314       | -0.266 |
| 348      | 100      | Unbiased            | 2.534      | 2.455       | -0.079 |
| 349      | 100      | Unbiased            | 2.577      | 2.494       | -0.083 |
| 350      | 100      | Unbiased            | 2.535      | 2.444       | -0.091 |
| 351      | 100      | Unbiased            | 2.543      | 2.457       | -0.086 |
| 352      | 100      | Unbiased            | 2.513      | 2.431       | -0.082 |

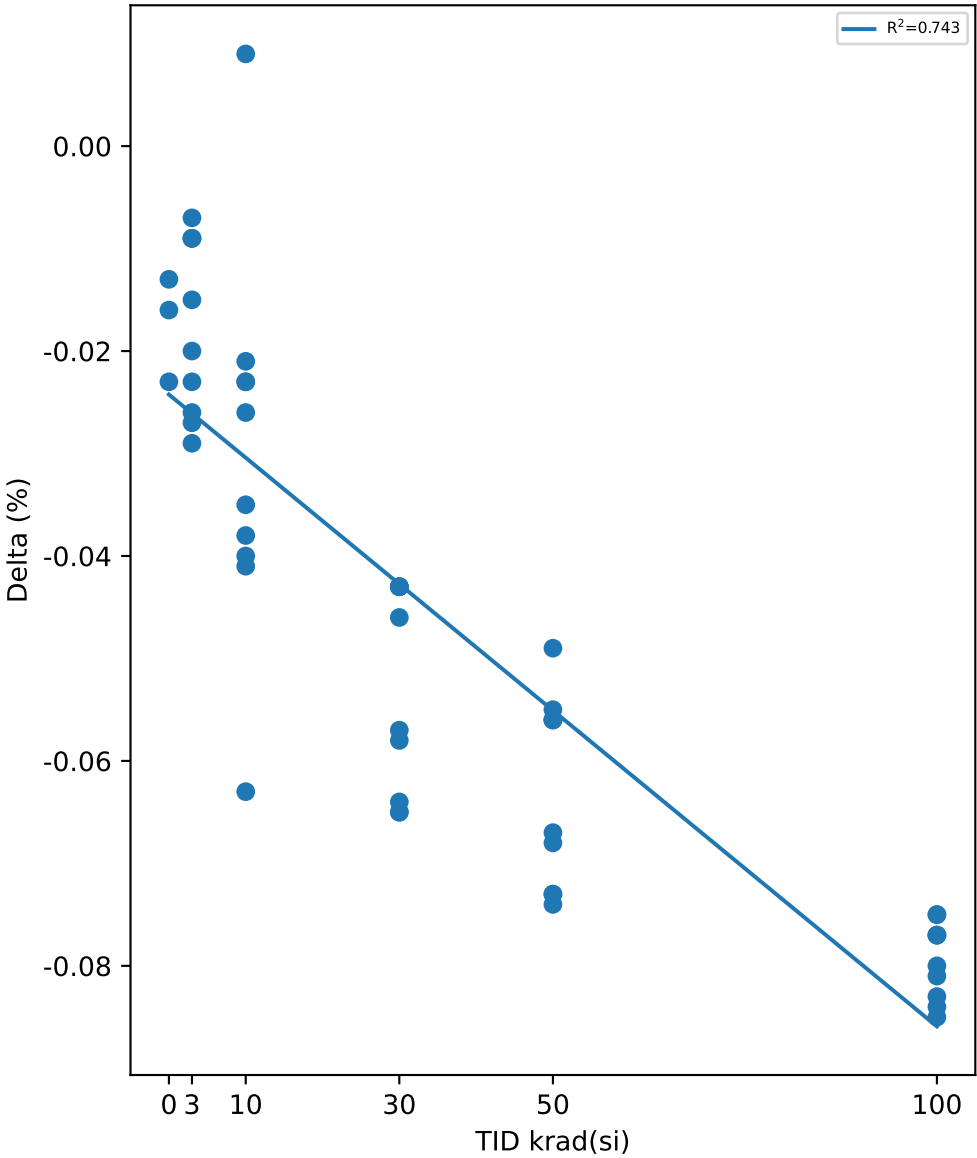
Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 2.538            | 2.5467           | 2.56             | 0.011719         | 2.515             | 2.522             | 2.53              | 0.0075498         | -0.03     | -0.024667 | -0.021    | 0.0047258 |
| 3        | 2.515            | 2.5638           | 2.597            | 0.028319         | 2.505             | 2.5357            | 2.571             | 0.020602          | -0.051    | -0.0281   | -0.007    | 0.018218  |
| 10       | 2.517            | 2.558            | 2.585            | 0.020259         | 2.466             | 2.5128            | 2.545             | 0.024715          | -0.08     | -0.0452   | -0.006    | 0.028436  |
| 30       | 2.535            | 2.563            | 2.593            | 0.020461         | 2.382             | 2.4668            | 2.537             | 0.05913           | -0.159    | -0.0962   | -0.041    | 0.056002  |
| 50       | 2.531            | 2.5568           | 2.582            | 0.017719         | 2.353             | 2.43              | 2.516             | 0.06473           | -0.201    | -0.1268   | -0.056    | 0.070297  |
| 100      | 2.513            | 2.5559           | 2.598            | 0.026367         | 2.298             | 2.3834            | 2.494             | 0.078649          | -0.275    | -0.1725   | -0.079    | 0.093456  |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 5.0 (%))

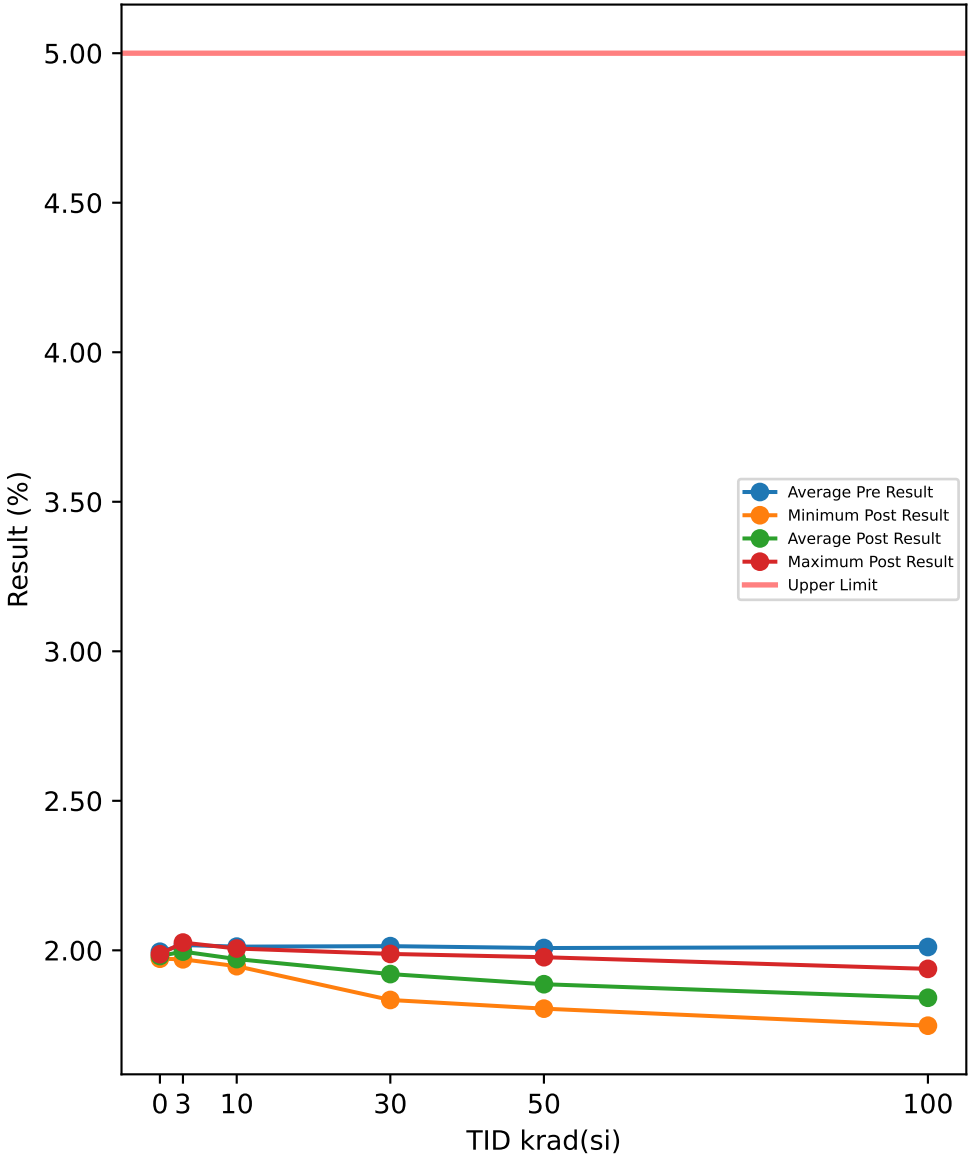
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 2.489      | 2.466       | -0.023 |
| 301      | 0        | Correlation         | 2.464      | 2.448       | -0.016 |
| 302      | 0        | Correlation         | 2.473      | 2.46        | -0.013 |
| 303      | 3        | Bias                | 2.495      | 2.469       | -0.026 |
| 304      | 3        | Bias                | 2.539      | 2.512       | -0.027 |
| 305      | 3        | Bias                | 2.523      | 2.494       | -0.029 |
| 306      | 3        | Bias                | 2.511      | 2.488       | -0.023 |
| 307      | 3        | Bias                | 2.517      | 2.497       | -0.02  |
| 308      | 3        | Unbiased            | 2.525      | 2.51        | -0.015 |
| 309      | 3        | Unbiased            | 2.476      | 2.467       | -0.009 |
| 310      | 3        | Unbiased            | 2.512      | 2.505       | -0.007 |
| 311      | 3        | Unbiased            | 2.46       | 2.451       | -0.009 |
| 312      | 3        | Unbiased            | 2.447      | 2.438       | -0.009 |
| 313      | 10       | Bias                | 2.524      | 2.489       | -0.035 |
| 314      | 10       | Bias                | 2.48       | 2.442       | -0.038 |
| 315      | 10       | Bias                | 2.521      | 2.481       | -0.04  |
| 316      | 10       | Bias                | 2.486      | 2.463       | -0.023 |
| 317      | 10       | Bias                | 2.538      | 2.497       | -0.041 |
| 318      | 10       | Unbiased            | 2.453      | 2.432       | -0.021 |
| 319      | 10       | Unbiased            | 2.507      | 2.484       | -0.023 |
| 320      | 10       | Unbiased            | 2.488      | 2.497       | 0.009  |
| 321      | 10       | Unbiased            | 2.526      | 2.463       | -0.063 |
| 322      | 10       | Unbiased            | 2.511      | 2.485       | -0.026 |
| 323      | 30       | Bias                | 2.522      | 2.464       | -0.058 |
| 324      | 30       | Bias                | 2.499      | 2.442       | -0.057 |
| 325      | 30       | Bias                | 2.488      | 2.424       | -0.064 |
| 326      | 30       | Bias                | 2.468      | 2.403       | -0.065 |
| 327      | 30       | Bias                | 2.544      | 2.479       | -0.065 |
| 328      | 30       | Unbiased            | 2.475      | 2.432       | -0.043 |
| 329      | 30       | Unbiased            | 2.527      | 2.484       | -0.043 |
| 330      | 30       | Unbiased            | 2.468      | 2.425       | -0.043 |
| 331      | 30       | Unbiased            | 2.517      | 2.471       | -0.046 |
| 332      | 30       | Unbiased            | 2.511      | 2.468       | -0.043 |
| 333      | 50       | Bias                | 2.492      | 2.424       | -0.068 |
| 334      | 50       | Bias                | 2.479      | 2.412       | -0.067 |
| 335      | 50       | Bias                | 2.516      | 2.443       | -0.073 |
| 336      | 50       | Bias                | 2.523      | 2.45        | -0.073 |
| 337      | 50       | Bias                | 2.513      | 2.439       | -0.074 |
| 338      | 50       | Unbiased            | 2.486      | 2.43        | -0.056 |
| 339      | 50       | Unbiased            | 2.459      | 2.41        | -0.049 |
| 340      | 50       | Unbiased            | 2.493      | 2.437       | -0.056 |
| 341      | 50       | Unbiased            | 2.54       | 2.484       | -0.056 |
| 342      | 50       | Unbiased            | 2.473      | 2.418       | -0.055 |
| 343      | 100      | Bias                | 2.466      | 2.389       | -0.077 |
| 344      | 100      | Bias                | 2.508      | 2.425       | -0.083 |
| 345      | 100      | Bias                | 2.51       | 2.426       | -0.084 |
| 346      | 100      | Bias                | 2.511      | 2.431       | -0.08  |
| 347      | 100      | Bias                | 2.489      | 2.414       | -0.075 |
| 348      | 100      | Unbiased            | 2.475      | 2.4         | -0.075 |
| 349      | 100      | Unbiased            | 2.524      | 2.447       | -0.077 |
| 350      | 100      | Unbiased            | 2.468      | 2.383       | -0.085 |
| 351      | 100      | Unbiased            | 2.475      | 2.394       | -0.081 |
| 352      | 100      | Unbiased            | 2.445      | 2.368       | -0.077 |

Test Statistics (%)

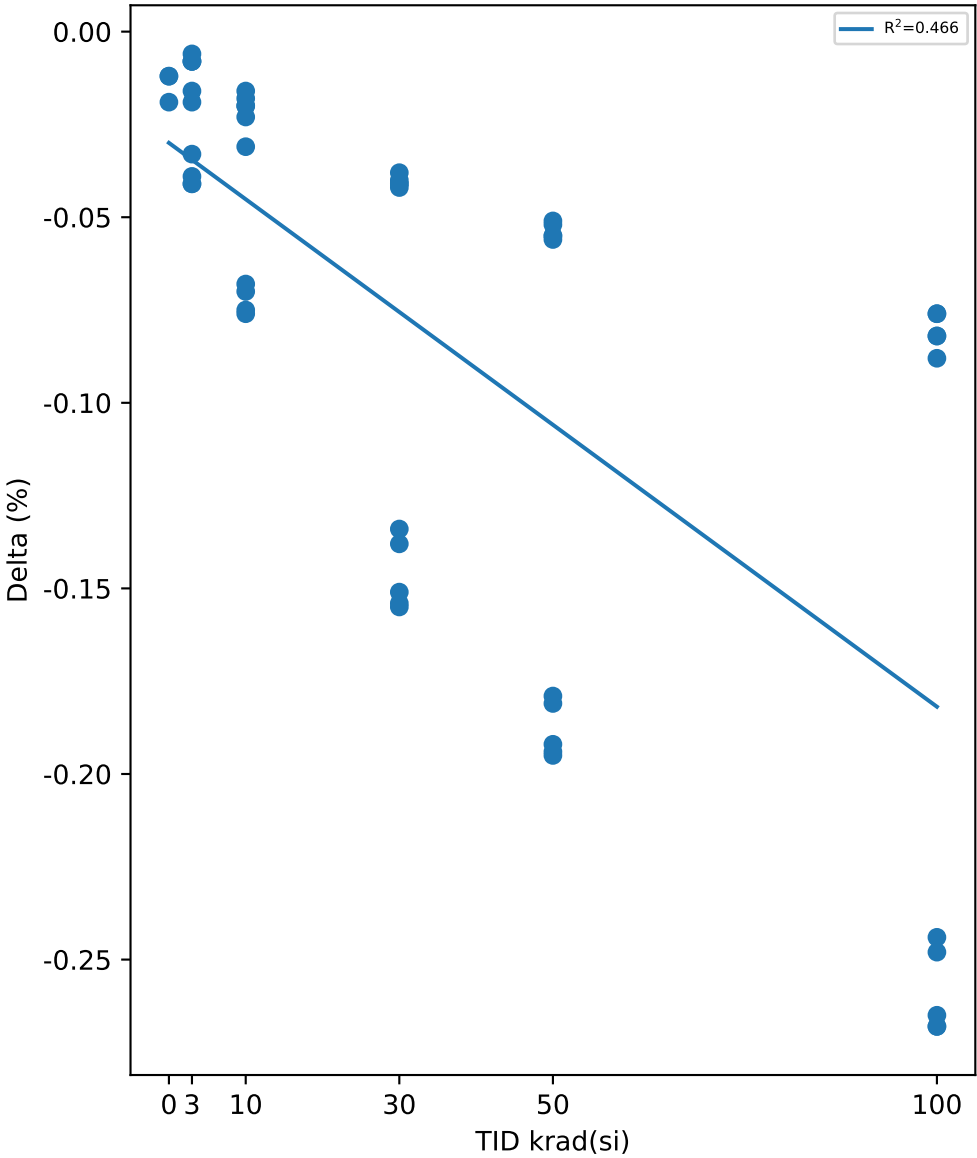
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 2.464            | 2.4753           | 2.489            | 0.012662         | 2.448             | 2.458             | 2.466             | 0.0091652         | -0.023    | -0.017333 | -0.013    | 0.0051316 |
| 3        | 2.447            | 2.5005           | 2.539            | 0.030252         | 2.438             | 2.4831            | 2.512             | 0.025597          | -0.029    | -0.0174   | -0.007    | 0.008592  |
| 10       | 2.453            | 2.5034           | 2.538            | 0.02612          | 2.432             | 2.4733            | 2.497             | 0.022554          | -0.063    | -0.0301   | 0.009     | 0.018604  |
| 30       | 2.468            | 2.5019           | 2.544            | 0.026543         | 2.403             | 2.4492            | 2.484             | 0.027587          | -0.065    | -0.0527   | -0.043    | 0.0099894 |
| 50       | 2.459            | 2.4974           | 2.54             | 0.025048         | 2.41              | 2.4347            | 2.484             | 0.021853          | -0.074    | -0.0627   | -0.049    | 0.0092382 |
| 100      | 2.445            | 2.4871           | 2.524            | 0.025327         | 2.368             | 2.4077            | 2.447             | 0.02482           | -0.085    | -0.0794   | -0.075    | 0.0037178 |



TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 5.0 (%))

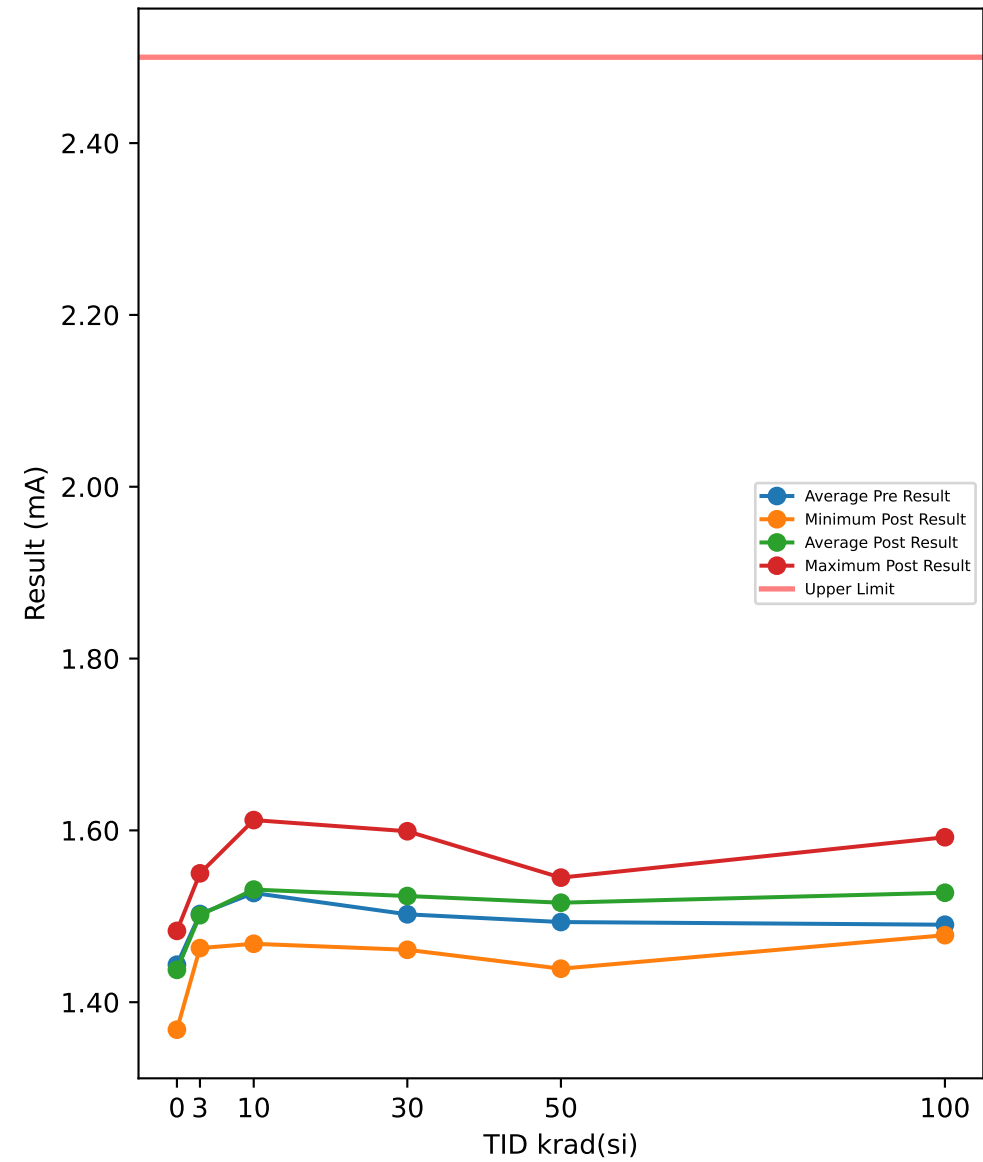
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 2.006      | 1.987       | -0.019 |
| 301      | 0        | Correlation         | 1.984      | 1.972       | -0.012 |
| 302      | 0        | Correlation         | 1.996      | 1.984       | -0.012 |
| 303      | 3        | Bias                | 2.033      | 1.994       | -0.039 |
| 304      | 3        | Bias                | 2.044      | 2.003       | -0.041 |
| 305      | 3        | Bias                | 2.026      | 1.985       | -0.041 |
| 306      | 3        | Bias                | 2.003      | 1.97        | -0.033 |
| 307      | 3        | Bias                | 2.037      | 2.018       | -0.019 |
| 308      | 3        | Unbiased            | 2.042      | 2.026       | -0.016 |
| 309      | 3        | Unbiased            | 2.002      | 1.994       | -0.008 |
| 310      | 3        | Unbiased            | 2.021      | 2.015       | -0.006 |
| 311      | 3        | Unbiased            | 1.983      | 1.975       | -0.008 |
| 312      | 3        | Unbiased            | 1.986      | 1.978       | -0.008 |
| 313      | 10       | Bias                | 2.017      | 1.949       | -0.068 |
| 314      | 10       | Bias                | 2.025      | 1.955       | -0.07  |
| 315      | 10       | Bias                | 2.028      | 1.952       | -0.076 |
| 316      | 10       | Bias                | 1.995      | 1.975       | -0.02  |
| 317      | 10       | Bias                | 2.022      | 1.947       | -0.075 |
| 318      | 10       | Unbiased            | 1.998      | 1.98        | -0.018 |
| 319      | 10       | Unbiased            | 2.026      | 2.006       | -0.02  |
| 320      | 10       | Unbiased            | 1.991      | 1.975       | -0.016 |
| 321      | 10       | Unbiased            | 2          | 1.969       | -0.031 |
| 322      | 10       | Unbiased            | 2.022      | 1.999       | -0.023 |
| 323      | 30       | Bias                | 2.05       | 1.912       | -0.138 |
| 324      | 30       | Bias                | 2.006      | 1.872       | -0.134 |
| 325      | 30       | Bias                | 2.02       | 1.865       | -0.155 |
| 326      | 30       | Bias                | 1.985      | 1.834       | -0.151 |
| 327      | 30       | Bias                | 2.049      | 1.895       | -0.154 |
| 328      | 30       | Unbiased            | 1.995      | 1.955       | -0.04  |
| 329      | 30       | Unbiased            | 2.015      | 1.977       | -0.038 |
| 330      | 30       | Unbiased            | 1.992      | 1.951       | -0.041 |
| 331      | 30       | Unbiased            | 1.999      | 1.957       | -0.042 |
| 332      | 30       | Unbiased            | 2.029      | 1.988       | -0.041 |
| 333      | 50       | Bias                | 1.984      | 1.805       | -0.179 |
| 334      | 50       | Bias                | 2.001      | 1.82        | -0.181 |
| 335      | 50       | Bias                | 2.016      | 1.822       | -0.194 |
| 336      | 50       | Bias                | 2.011      | 1.819       | -0.192 |
| 337      | 50       | Bias                | 2.013      | 1.818       | -0.195 |
| 338      | 50       | Unbiased            | 1.999      | 1.947       | -0.052 |
| 339      | 50       | Unbiased            | 1.988      | 1.937       | -0.051 |
| 340      | 50       | Unbiased            | 2.025      | 1.969       | -0.056 |
| 341      | 50       | Unbiased            | 2.032      | 1.977       | -0.055 |
| 342      | 50       | Unbiased            | 2.008      | 1.953       | -0.055 |
| 343      | 100      | Bias                | 1.992      | 1.748       | -0.244 |
| 344      | 100      | Bias                | 2.009      | 1.761       | -0.248 |
| 345      | 100      | Bias                | 2.032      | 1.767       | -0.265 |
| 346      | 100      | Bias                | 2.04       | 1.772       | -0.268 |
| 347      | 100      | Bias                | 2.021      | 1.753       | -0.268 |
| 348      | 100      | Unbiased            | 1.999      | 1.923       | -0.076 |
| 349      | 100      | Unbiased            | 2.014      | 1.938       | -0.076 |
| 350      | 100      | Unbiased            | 2.006      | 1.918       | -0.088 |
| 351      | 100      | Unbiased            | 2.009      | 1.927       | -0.082 |
| 352      | 100      | Unbiased            | 1.989      | 1.907       | -0.082 |

Test Statistics (%)

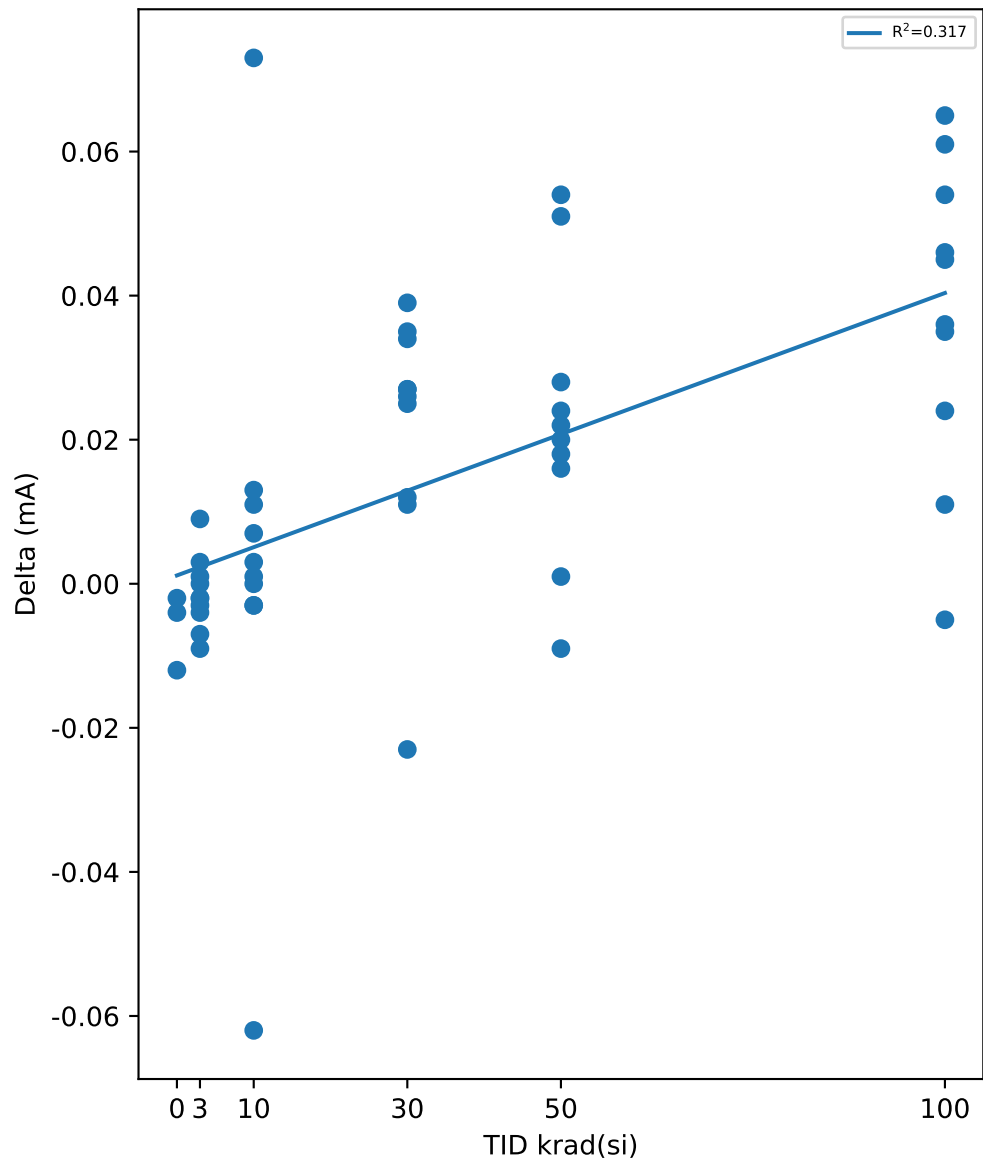
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 1.984            | 1.9953           | 2.006            | 0.011015         | 1.972             | 1.981             | 1.987             | 0.0079373         | -0.019    | -0.014333 | -0.012    | 0.0040415 |
| 3        | 1.983            | 2.0177           | 2.044            | 0.022706         | 1.97              | 1.9958            | 2.026             | 0.019332          | -0.041    | -0.0219   | -0.006    | 0.014985  |
| 10       | 1.991            | 2.0124           | 2.028            | 0.014585         | 1.947             | 1.9707            | 2.006             | 0.020554          | -0.076    | -0.0417   | -0.016    | 0.026679  |
| 30       | 1.985            | 2.014            | 2.05             | 0.022993         | 1.834             | 1.9206            | 1.988             | 0.052534          | -0.155    | -0.0934   | -0.038    | 0.05625   |
| 50       | 1.984            | 2.0077           | 2.032            | 0.015159         | 1.805             | 1.8867            | 1.977             | 0.074612          | -0.195    | -0.121    | -0.051    | 0.071031  |
| 100      | 1.989            | 2.0111           | 2.04             | 0.016374         | 1.748             | 1.8414            | 1.938             | 0.08618           | -0.268    | -0.1697   | -0.076    | 0.09409   |

Device Test: 6.7 ; IQ

TID vs Result Stats



TID vs Post - Pre Exposure Delta



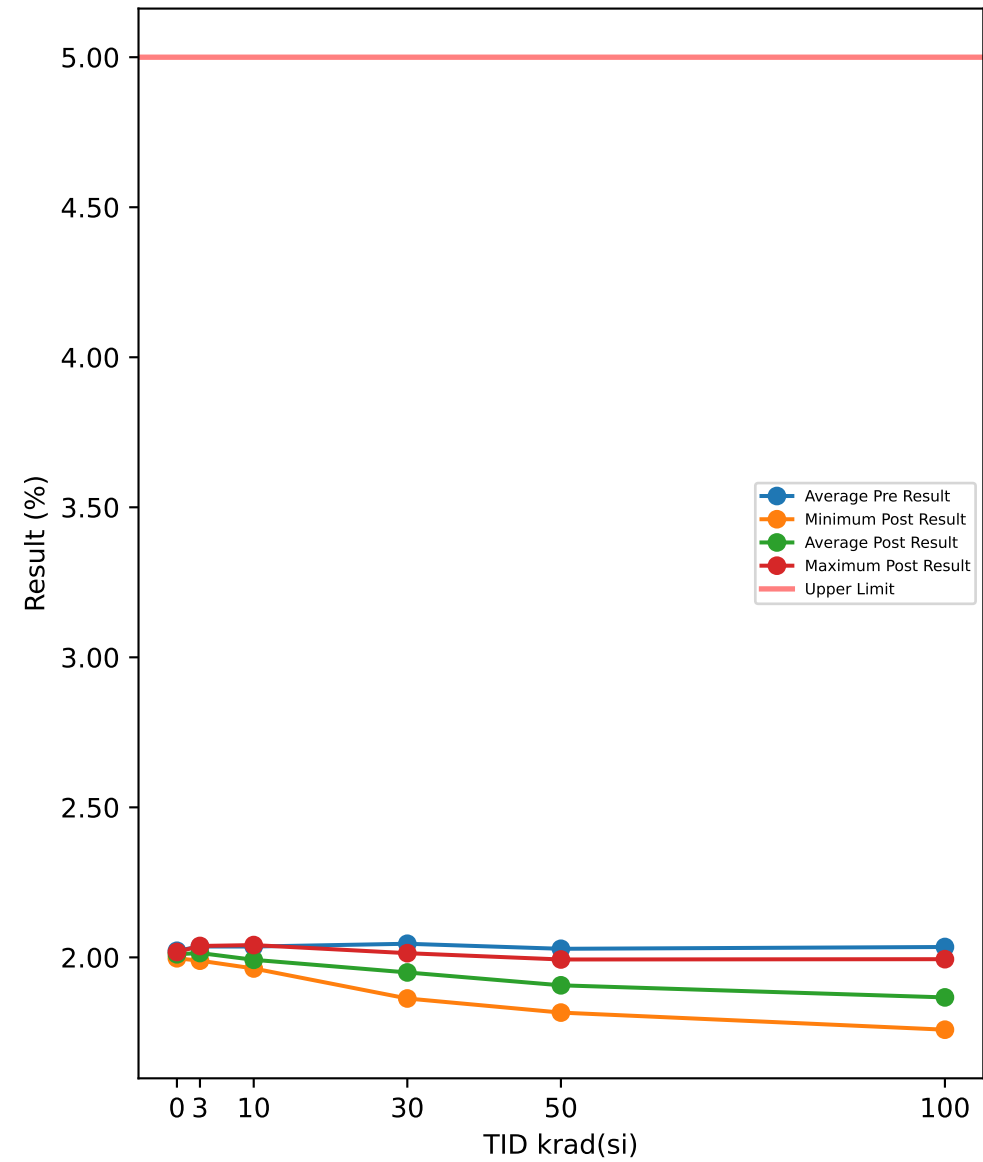
Test Results (Upper Limit = 2.5 (mA))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 1.495      | 1.483       | -0.012 |
| 301      | 0        | Correlation         | 1.372      | 1.368       | -0.004 |
| 302      | 0        | Correlation         | 1.464      | 1.462       | -0.002 |
| 303      | 3        | Bias                | 1.492      | 1.495       | 0.003  |
| 304      | 3        | Bias                | 1.523      | 1.514       | -0.009 |
| 305      | 3        | Bias                | 1.557      | 1.55        | -0.007 |
| 306      | 3        | Bias                | 1.48       | 1.476       | -0.004 |
| 307      | 3        | Bias                | 1.533      | 1.531       | -0.002 |
| 308      | 3        | Unbiased            | 1.529      | 1.526       | -0.003 |
| 309      | 3        | Unbiased            | 1.463      | 1.463       | 0      |
| 310      | 3        | Unbiased            | 1.485      | 1.486       | 0.001  |
| 311      | 3        | Unbiased            | 1.481      | 1.479       | -0.002 |
| 312      | 3        | Unbiased            | 1.484      | 1.493       | 0.009  |
| 313      | 10       | Bias                | 1.457      | 1.468       | 0.011  |
| 314      | 10       | Bias                | 1.558      | 1.558       | 0      |
| 315      | 10       | Bias                | 1.595      | 1.608       | 0.013  |
| 316      | 10       | Bias                | 1.478      | 1.475       | -0.003 |
| 317      | 10       | Bias                | 1.488      | 1.485       | -0.003 |
| 318      | 10       | Unbiased            | 1.522      | 1.525       | 0.003  |
| 319      | 10       | Unbiased            | 1.605      | 1.612       | 0.007  |
| 320      | 10       | Unbiased            | 1.489      | 1.562       | 0.073  |
| 321      | 10       | Unbiased            | 1.557      | 1.495       | -0.062 |
| 322      | 10       | Unbiased            | 1.522      | 1.523       | 0.001  |
| 323      | 30       | Bias                | 1.462      | 1.496       | 0.034  |
| 324      | 30       | Bias                | 1.484      | 1.461       | -0.023 |
| 325      | 30       | Bias                | 1.542      | 1.569       | 0.027  |
| 326      | 30       | Bias                | 1.574      | 1.599       | 0.025  |
| 327      | 30       | Bias                | 1.53       | 1.541       | 0.011  |
| 328      | 30       | Unbiased            | 1.506      | 1.533       | 0.027  |
| 329      | 30       | Unbiased            | 1.446      | 1.485       | 0.039  |
| 330      | 30       | Unbiased            | 1.457      | 1.492       | 0.035  |
| 331      | 30       | Unbiased            | 1.476      | 1.502       | 0.026  |
| 332      | 30       | Unbiased            | 1.546      | 1.558       | 0.012  |
| 333      | 50       | Bias                | 1.51       | 1.526       | 0.016  |
| 334      | 50       | Bias                | 1.527      | 1.545       | 0.018  |
| 335      | 50       | Bias                | 1.465      | 1.519       | 0.054  |
| 336      | 50       | Bias                | 1.522      | 1.523       | 0.001  |
| 337      | 50       | Bias                | 1.512      | 1.54        | 0.028  |
| 338      | 50       | Unbiased            | 1.482      | 1.506       | 0.024  |
| 339      | 50       | Unbiased            | 1.417      | 1.439       | 0.022  |
| 340      | 50       | Unbiased            | 1.492      | 1.543       | 0.051  |
| 341      | 50       | Unbiased            | 1.531      | 1.522       | -0.009 |
| 342      | 50       | Unbiased            | 1.475      | 1.495       | 0.02   |
| 343      | 100      | Bias                | 1.509      | 1.533       | 0.024  |
| 344      | 100      | Bias                | 1.547      | 1.592       | 0.045  |
| 345      | 100      | Bias                | 1.483      | 1.478       | -0.005 |
| 346      | 100      | Bias                | 1.47       | 1.535       | 0.065  |
| 347      | 100      | Bias                | 1.515      | 1.526       | 0.011  |
| 348      | 100      | Unbiased            | 1.469      | 1.53        | 0.061  |
| 349      | 100      | Unbiased            | 1.496      | 1.532       | 0.036  |
| 350      | 100      | Unbiased            | 1.45       | 1.485       | 0.035  |
| 351      | 100      | Unbiased            | 1.526      | 1.58        | 0.054  |
| 352      | 100      | Unbiased            | 1.437      | 1.483       | 0.046  |

Test Statistics (mA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 1.372            | 1.4437           | 1.495            | 0.063971         | 1.368             | 1.4377            | 1.483             | 0.06124           | -0.012    | -0.006    | -0.002    | 0.0052915 |
| 3        | 1.463            | 1.5027           | 1.557            | 0.030387         | 1.463             | 1.5013            | 1.55              | 0.027833          | -0.009    | -0.0014   | 0.009     | 0.0051034 |
| 10       | 1.457            | 1.5271           | 1.605            | 0.050426         | 1.468             | 1.5311            | 1.612             | 0.05249           | -0.062    | 0.004     | 0.073     | 0.032283  |
| 30       | 1.446            | 1.5023           | 1.574            | 0.043818         | 1.461             | 1.5236            | 1.599             | 0.043406          | -0.023    | 0.0213    | 0.039     | 0.018006  |
| 50       | 1.417            | 1.4933           | 1.531            | 0.035113         | 1.439             | 1.5158            | 1.545             | 0.031286          | -0.009    | 0.0225    | 0.054     | 0.019323  |
| 100      | 1.437            | 1.4902           | 1.547            | 0.034746         | 1.478             | 1.5274            | 1.592             | 0.038396          | -0.005    | 0.0372    | 0.065     | 0.02213   |

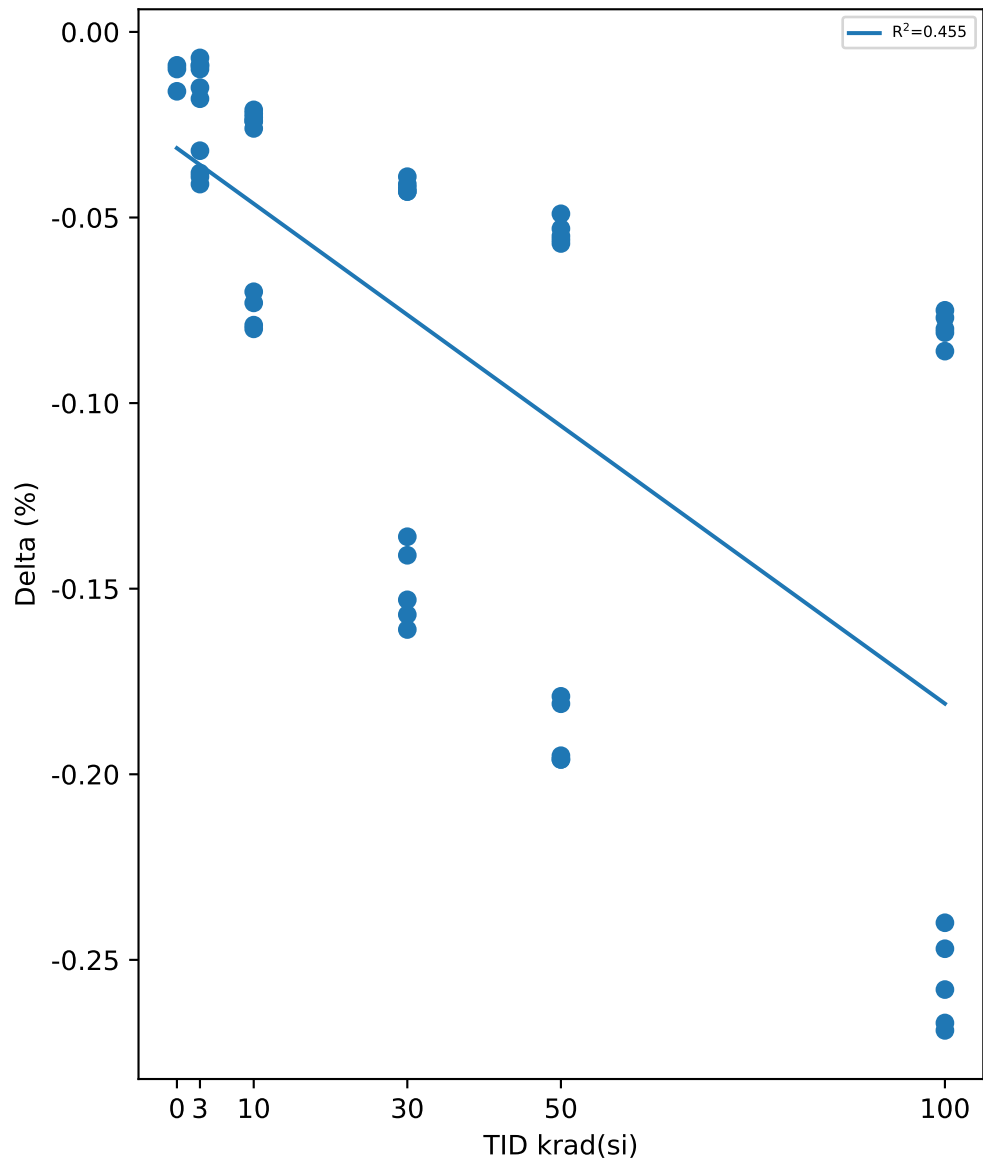
TID vs Result Stats



Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 2.034      | 2.018       | -0.016 |
| 301      | 0        | Correlation         | 2.007      | 1.997       | -0.01  |
| 302      | 0        | Correlation         | 2.025      | 2.016       | -0.009 |
| 303      | 3        | Bias                | 2.049      | 2.011       | -0.038 |
| 304      | 3        | Bias                | 2.054      | 2.015       | -0.039 |
| 305      | 3        | Bias                | 2.053      | 2.012       | -0.041 |
| 306      | 3        | Bias                | 2.038      | 2.006       | -0.032 |
| 307      | 3        | Bias                | 2.055      | 2.037       | -0.018 |
| 308      | 3        | Unbiased            | 2.053      | 2.038       | -0.015 |
| 309      | 3        | Unbiased            | 2.024      | 2.014       | -0.01  |
| 310      | 3        | Unbiased            | 2.033      | 2.026       | -0.007 |
| 311      | 3        | Unbiased            | 2.006      | 1.997       | -0.009 |
| 312      | 3        | Unbiased            | 1.998      | 1.989       | -0.009 |
| 313      | 10       | Bias                | 2.05       | 1.98        | -0.07  |
| 314      | 10       | Bias                | 2.036      | 1.963       | -0.073 |
| 315      | 10       | Bias                | 2.047      | 1.967       | -0.08  |
| 316      | 10       | Bias                | 2.021      | 1.998       | -0.023 |
| 317      | 10       | Bias                | 2.049      | 1.97        | -0.079 |
| 318      | 10       | Unbiased            | 2.001      | 1.98        | -0.021 |
| 319      | 10       | Unbiased            | 2.063      | 2.041       | -0.022 |
| 320      | 10       | Unbiased            | 2.025      | 2.001       | -0.024 |
| 321      | 10       | Unbiased            | 2.028      | 2.002       | -0.026 |
| 322      | 10       | Unbiased            | 2.041      | 2.017       | -0.024 |
| 323      | 30       | Bias                | 2.08       | 1.939       | -0.141 |
| 324      | 30       | Bias                | 2.039      | 1.903       | -0.136 |
| 325      | 30       | Bias                | 2.033      | 1.876       | -0.157 |
| 326      | 30       | Bias                | 2.016      | 1.863       | -0.153 |
| 327      | 30       | Bias                | 2.094      | 1.933       | -0.161 |
| 328      | 30       | Unbiased            | 2.028      | 1.987       | -0.041 |
| 329      | 30       | Unbiased            | 2.047      | 2.008       | -0.039 |
| 330      | 30       | Unbiased            | 2.024      | 1.982       | -0.042 |
| 331      | 30       | Unbiased            | 2.036      | 1.993       | -0.043 |
| 332      | 30       | Unbiased            | 2.057      | 2.014       | -0.043 |
| 333      | 50       | Bias                | 1.995      | 1.816       | -0.179 |
| 334      | 50       | Bias                | 2.026      | 1.845       | -0.181 |
| 335      | 50       | Bias                | 2.036      | 1.84        | -0.196 |
| 336      | 50       | Bias                | 2.043      | 1.848       | -0.195 |
| 337      | 50       | Bias                | 2.036      | 1.84        | -0.196 |
| 338      | 50       | Unbiased            | 2.03       | 1.975       | -0.055 |
| 339      | 50       | Unbiased            | 2.019      | 1.97        | -0.049 |
| 340      | 50       | Unbiased            | 2.036      | 1.979       | -0.057 |
| 341      | 50       | Unbiased            | 2.049      | 1.993       | -0.056 |
| 342      | 50       | Unbiased            | 2.016      | 1.963       | -0.053 |
| 343      | 100      | Bias                | 1.999      | 1.759       | -0.24  |
| 344      | 100      | Bias                | 2.035      | 1.788       | -0.247 |
| 345      | 100      | Bias                | 2.039      | 1.781       | -0.258 |
| 346      | 100      | Bias                | 2.065      | 1.798       | -0.267 |
| 347      | 100      | Bias                | 2.048      | 1.779       | -0.269 |
| 348      | 100      | Unbiased            | 2.015      | 1.94        | -0.075 |
| 349      | 100      | Unbiased            | 2.071      | 1.994       | -0.077 |
| 350      | 100      | Unbiased            | 2.037      | 1.951       | -0.086 |
| 351      | 100      | Unbiased            | 2.039      | 1.958       | -0.081 |
| 352      | 100      | Unbiased            | 1.998      | 1.918       | -0.08  |

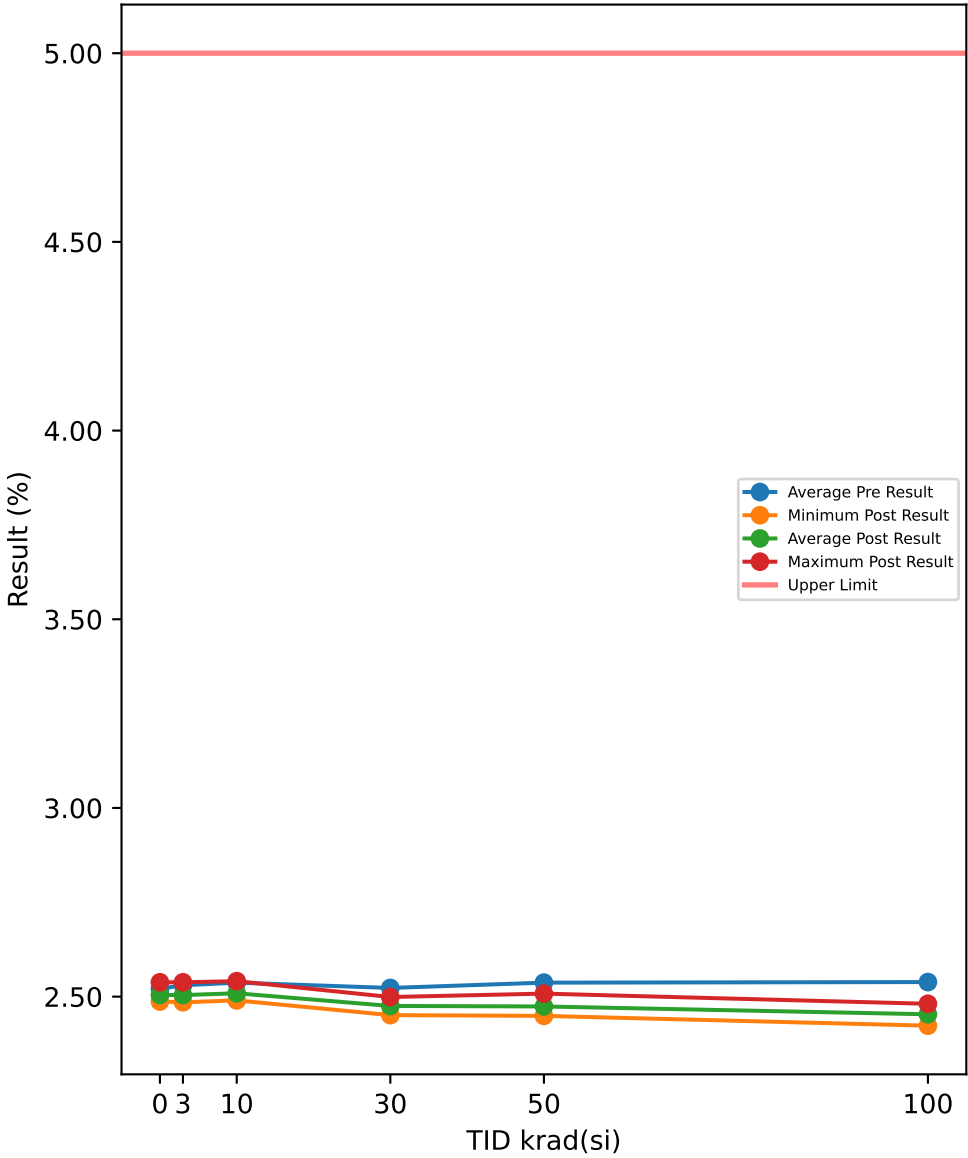
TID vs Post - Pre Exposure Delta



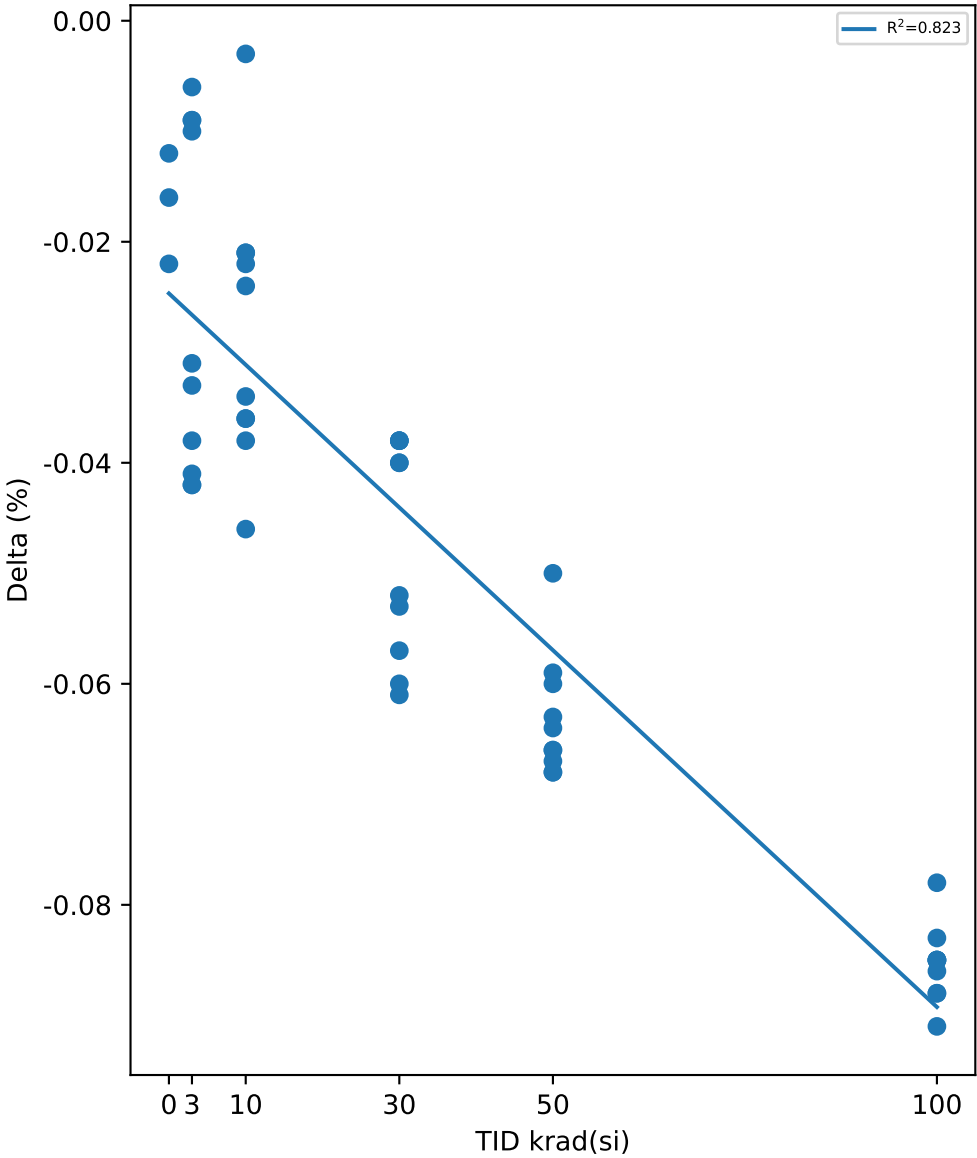
Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 2.007            | 2.022            | 2.034            | 0.013748         | 1.997             | 2.0103            | 2.018             | 0.01159           | -0.016    | -0.011667 | -0.009    | 0.0037859 |
| 3        | 1.998            | 2.0363           | 2.055            | 0.020902         | 1.989             | 2.0145            | 2.038             | 0.015771          | -0.041    | -0.0218   | -0.007    | 0.014054  |
| 10       | 2.001            | 2.0361           | 2.063            | 0.017873         | 1.963             | 1.9919            | 2.041             | 0.024678          | -0.08     | -0.0442   | -0.021    | 0.027112  |
| 30       | 2.016            | 2.0454           | 2.094            | 0.024954         | 1.863             | 1.9498            | 2.014             | 0.055142          | -0.161    | -0.0956   | -0.039    | 0.057374  |
| 50       | 1.995            | 2.0286           | 2.049            | 0.015551         | 1.816             | 1.9069            | 1.993             | 0.073706          | -0.196    | -0.1217   | -0.049    | 0.071624  |
| 100      | 1.998            | 2.0346           | 2.071            | 0.024641         | 1.759             | 1.8666            | 1.994             | 0.092617          | -0.269    | -0.168    | -0.075    | 0.093389  |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



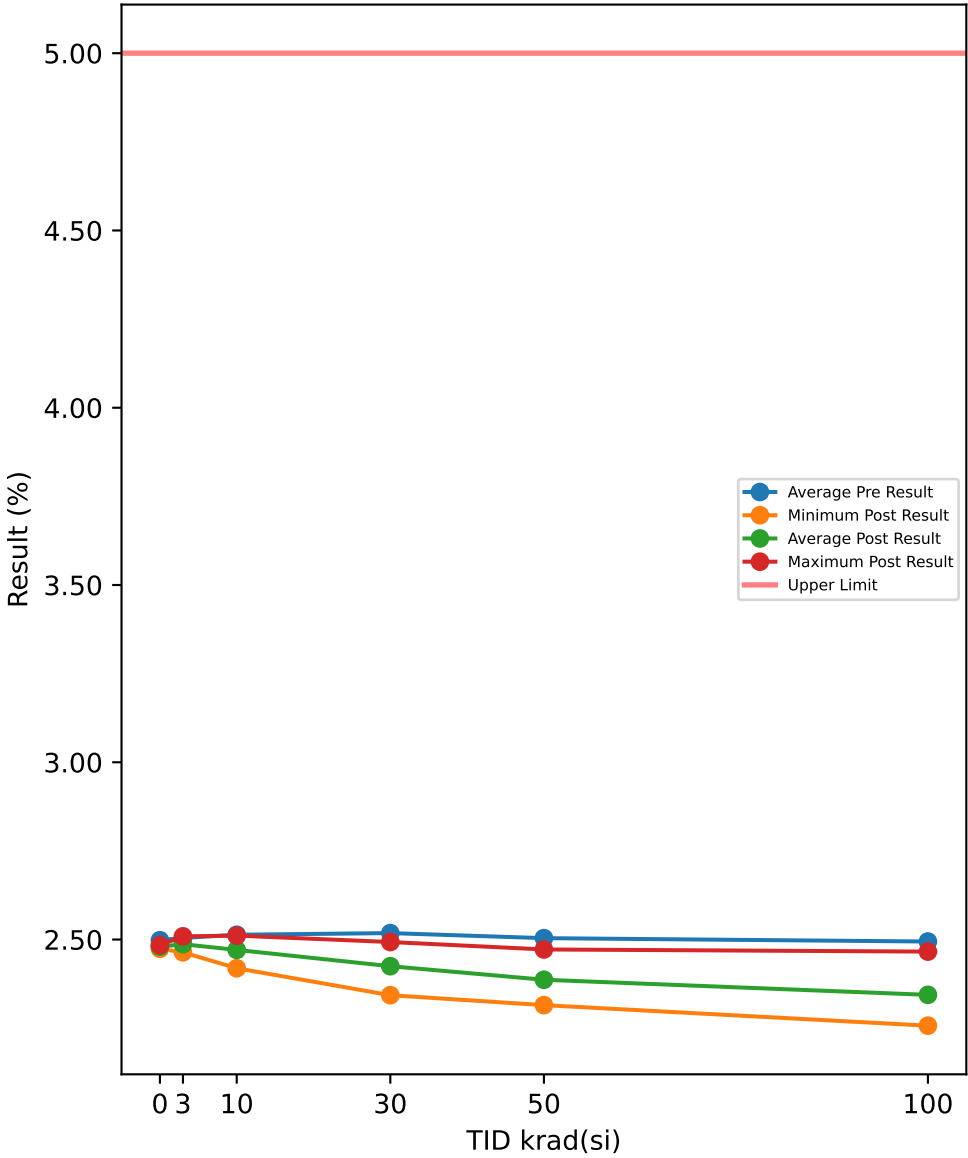
Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 2.509      | 2.487       | -0.022 |
| 301      | 0        | Correlation         | 2.504      | 2.488       | -0.016 |
| 302      | 0        | Correlation         | 2.55       | 2.538       | -0.012 |
| 303      | 3        | Bias                | 2.532      | 2.491       | -0.041 |
| 304      | 3        | Bias                | 2.58       | 2.538       | -0.042 |
| 305      | 3        | Bias                | 2.542      | 2.5         | -0.042 |
| 306      | 3        | Bias                | 2.543      | 2.505       | -0.038 |
| 307      | 3        | Bias                | 2.533      | 2.5         | -0.033 |
| 308      | 3        | Unbiased            | 2.534      | 2.503       | -0.031 |
| 309      | 3        | Unbiased            | 2.537      | 2.527       | -0.01  |
| 310      | 3        | Unbiased            | 2.51       | 2.504       | -0.006 |
| 311      | 3        | Unbiased            | 2.494      | 2.485       | -0.009 |
| 312      | 3        | Unbiased            | 2.497      | 2.488       | -0.009 |
| 313      | 10       | Bias                | 2.536      | 2.502       | -0.034 |
| 314      | 10       | Bias                | 2.548      | 2.512       | -0.036 |
| 315      | 10       | Bias                | 2.529      | 2.493       | -0.036 |
| 316      | 10       | Bias                | 2.532      | 2.51        | -0.022 |
| 317      | 10       | Bias                | 2.533      | 2.495       | -0.038 |
| 318      | 10       | Unbiased            | 2.524      | 2.503       | -0.021 |
| 319      | 10       | Unbiased            | 2.511      | 2.49        | -0.021 |
| 320      | 10       | Unbiased            | 2.556      | 2.51        | -0.046 |
| 321      | 10       | Unbiased            | 2.536      | 2.533       | -0.003 |
| 322      | 10       | Unbiased            | 2.565      | 2.541       | -0.024 |
| 323      | 30       | Bias                | 2.519      | 2.467       | -0.052 |
| 324      | 30       | Bias                | 2.514      | 2.461       | -0.053 |
| 325      | 30       | Bias                | 2.55       | 2.489       | -0.061 |
| 326      | 30       | Bias                | 2.511      | 2.451       | -0.06  |
| 327      | 30       | Bias                | 2.534      | 2.477       | -0.057 |
| 328      | 30       | Unbiased            | 2.502      | 2.464       | -0.038 |
| 329      | 30       | Unbiased            | 2.537      | 2.499       | -0.038 |
| 330      | 30       | Unbiased            | 2.514      | 2.474       | -0.04  |
| 331      | 30       | Unbiased            | 2.528      | 2.488       | -0.04  |
| 332      | 30       | Unbiased            | 2.521      | 2.483       | -0.038 |
| 333      | 50       | Bias                | 2.515      | 2.455       | -0.06  |
| 334      | 50       | Bias                | 2.542      | 2.479       | -0.063 |
| 335      | 50       | Bias                | 2.519      | 2.453       | -0.066 |
| 336      | 50       | Bias                | 2.532      | 2.466       | -0.066 |
| 337      | 50       | Bias                | 2.564      | 2.496       | -0.068 |
| 338      | 50       | Unbiased            | 2.516      | 2.466       | -0.05  |
| 339      | 50       | Unbiased            | 2.508      | 2.449       | -0.059 |
| 340      | 50       | Unbiased            | 2.544      | 2.477       | -0.067 |
| 341      | 50       | Unbiased            | 2.555      | 2.491       | -0.064 |
| 342      | 50       | Unbiased            | 2.576      | 2.508       | -0.068 |
| 343      | 100      | Bias                | 2.529      | 2.444       | -0.085 |
| 344      | 100      | Bias                | 2.543      | 2.455       | -0.088 |
| 345      | 100      | Bias                | 2.535      | 2.447       | -0.088 |
| 346      | 100      | Bias                | 2.557      | 2.472       | -0.085 |
| 347      | 100      | Bias                | 2.547      | 2.462       | -0.085 |
| 348      | 100      | Unbiased            | 2.566      | 2.481       | -0.085 |
| 349      | 100      | Unbiased            | 2.54       | 2.462       | -0.078 |
| 350      | 100      | Unbiased            | 2.514      | 2.423       | -0.091 |
| 351      | 100      | Unbiased            | 2.542      | 2.456       | -0.086 |
| 352      | 100      | Unbiased            | 2.513      | 2.43        | -0.083 |

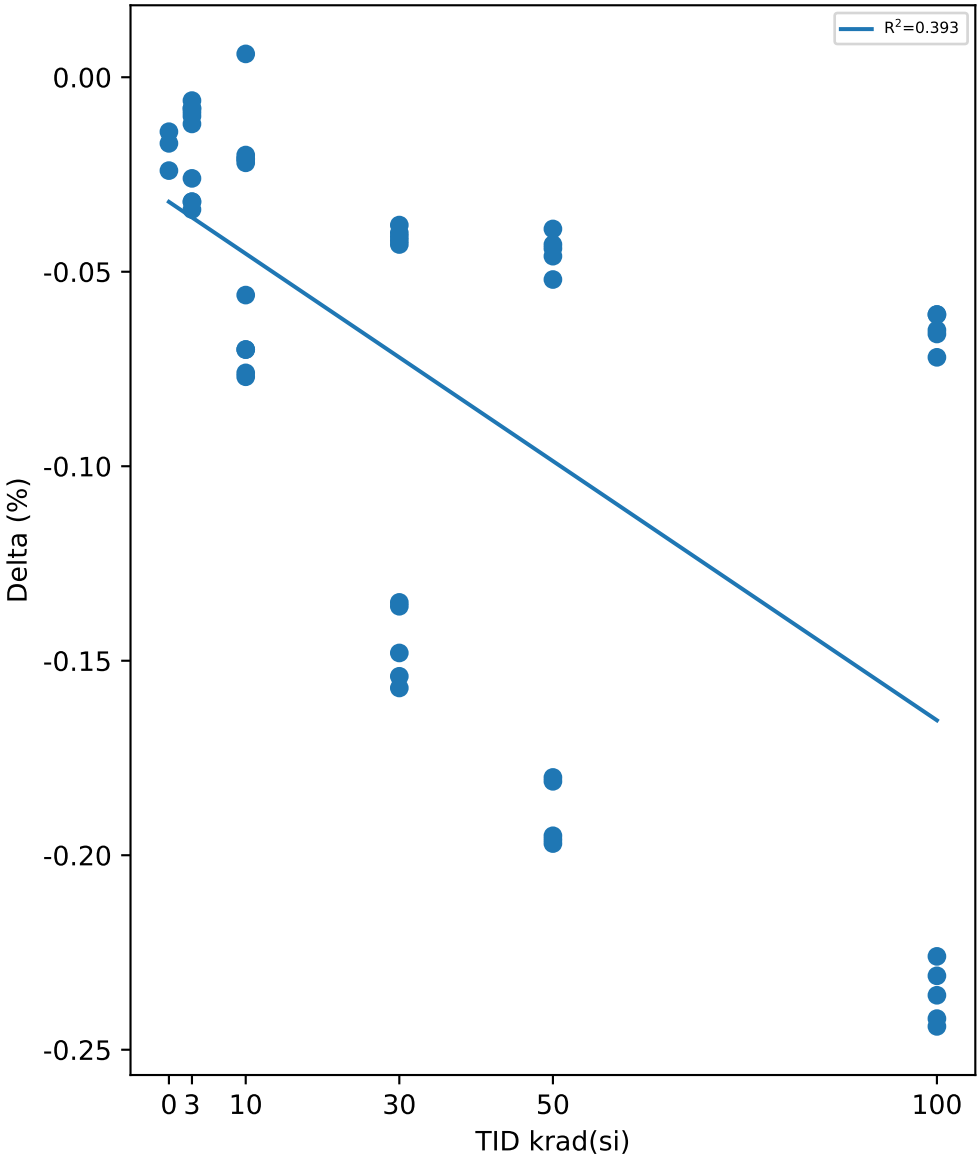
Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 2.504            | 2.521            | 2.55             | 0.025239         | 2.487             | 2.5043            | 2.538             | 0.02916           | -0.022    | -0.016667 | -0.012    | 0.0050332 |
| 3        | 2.494            | 2.5302           | 2.58             | 0.025112         | 2.485             | 2.5041            | 2.538             | 0.016683          | -0.042    | -0.0261   | -0.006    | 0.015595  |
| 10       | 2.511            | 2.537            | 2.565            | 0.015699         | 2.49              | 2.5089            | 2.541             | 0.016696          | -0.046    | -0.0281   | -0.003    | 0.012306  |
| 30       | 2.502            | 2.523            | 2.55             | 0.014291         | 2.451             | 2.4753            | 2.499             | 0.01478           | -0.061    | -0.0477   | -0.038    | 0.0097872 |
| 50       | 2.508            | 2.5371           | 2.576            | 0.023005         | 2.449             | 2.474             | 2.508             | 0.019771          | -0.068    | -0.0631   | -0.05     | 0.0055668 |
| 100      | 2.513            | 2.5386           | 2.566            | 0.01686          | 2.423             | 2.4532            | 2.481             | 0.017844          | -0.091    | -0.0854   | -0.078    | 0.0034383 |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 5.0 (%))

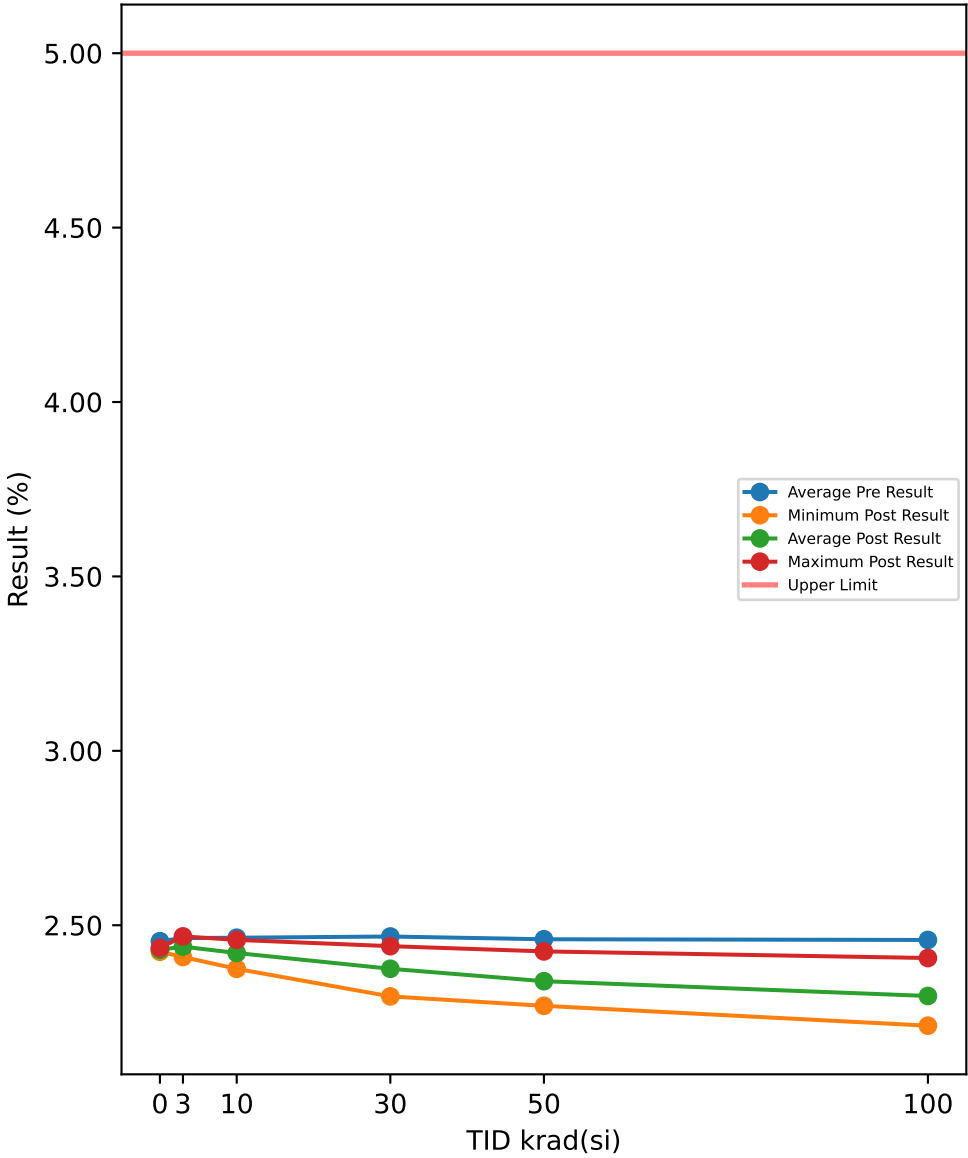
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 2.505      | 2.481       | -0.024 |
| 301      | 0        | Correlation         | 2.491      | 2.474       | -0.017 |
| 302      | 0        | Correlation         | 2.498      | 2.484       | -0.014 |
| 303      | 3        | Bias                | 2.51       | 2.478       | -0.032 |
| 304      | 3        | Bias                | 2.511      | 2.479       | -0.032 |
| 305      | 3        | Bias                | 2.531      | 2.497       | -0.034 |
| 306      | 3        | Bias                | 2.511      | 2.485       | -0.026 |
| 307      | 3        | Bias                | 2.508      | 2.496       | -0.012 |
| 308      | 3        | Unbiased            | 2.516      | 2.508       | -0.008 |
| 309      | 3        | Unbiased            | 2.482      | 2.472       | -0.01  |
| 310      | 3        | Unbiased            | 2.515      | 2.509       | -0.006 |
| 311      | 3        | Unbiased            | 2.488      | 2.48        | -0.008 |
| 312      | 3        | Unbiased            | 2.473      | 2.464       | -0.009 |
| 313      | 10       | Bias                | 2.528      | 2.458       | -0.07  |
| 314      | 10       | Bias                | 2.489      | 2.419       | -0.07  |
| 315      | 10       | Bias                | 2.53       | 2.454       | -0.076 |
| 316      | 10       | Bias                | 2.505      | 2.484       | -0.021 |
| 317      | 10       | Bias                | 2.538      | 2.461       | -0.077 |
| 318      | 10       | Unbiased            | 2.476      | 2.456       | -0.02  |
| 319      | 10       | Unbiased            | 2.522      | 2.501       | -0.021 |
| 320      | 10       | Unbiased            | 2.505      | 2.511       | 0.006  |
| 321      | 10       | Unbiased            | 2.539      | 2.483       | -0.056 |
| 322      | 10       | Unbiased            | 2.503      | 2.481       | -0.022 |
| 323      | 30       | Bias                | 2.525      | 2.389       | -0.136 |
| 324      | 30       | Bias                | 2.523      | 2.388       | -0.135 |
| 325      | 30       | Bias                | 2.5        | 2.343       | -0.157 |
| 326      | 30       | Bias                | 2.507      | 2.353       | -0.154 |
| 327      | 30       | Bias                | 2.542      | 2.394       | -0.148 |
| 328      | 30       | Unbiased            | 2.508      | 2.468       | -0.04  |
| 329      | 30       | Unbiased            | 2.528      | 2.49        | -0.038 |
| 330      | 30       | Unbiased            | 2.499      | 2.457       | -0.042 |
| 331      | 30       | Unbiased            | 2.516      | 2.473       | -0.043 |
| 332      | 30       | Unbiased            | 2.534      | 2.493       | -0.041 |
| 333      | 50       | Bias                | 2.52       | 2.34        | -0.18  |
| 334      | 50       | Bias                | 2.496      | 2.315       | -0.181 |
| 335      | 50       | Bias                | 2.514      | 2.318       | -0.196 |
| 336      | 50       | Bias                | 2.52       | 2.323       | -0.197 |
| 337      | 50       | Bias                | 2.525      | 2.33        | -0.195 |
| 338      | 50       | Unbiased            | 2.504      | 2.452       | -0.052 |
| 339      | 50       | Unbiased            | 2.472      | 2.433       | -0.039 |
| 340      | 50       | Unbiased            | 2.489      | 2.443       | -0.046 |
| 341      | 50       | Unbiased            | 2.515      | 2.472       | -0.043 |
| 342      | 50       | Unbiased            | 2.484      | 2.44        | -0.044 |
| 343      | 100      | Bias                | 2.483      | 2.257       | -0.226 |
| 344      | 100      | Bias                | 2.502      | 2.271       | -0.231 |
| 345      | 100      | Bias                | 2.502      | 2.26        | -0.242 |
| 346      | 100      | Bias                | 2.512      | 2.268       | -0.244 |
| 347      | 100      | Bias                | 2.511      | 2.275       | -0.236 |
| 348      | 100      | Unbiased            | 2.477      | 2.416       | -0.061 |
| 349      | 100      | Unbiased            | 2.527      | 2.466       | -0.061 |
| 350      | 100      | Unbiased            | 2.483      | 2.411       | -0.072 |
| 351      | 100      | Unbiased            | 2.469      | 2.403       | -0.066 |
| 352      | 100      | Unbiased            | 2.478      | 2.413       | -0.065 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 2.491            | 2.498            | 2.505            | 0.007            | 2.474             | 2.4797            | 2.484             | 0.0051316         | -0.024    | -0.018333 | -0.014    | 0.0051316 |
| 3        | 2.473            | 2.5045           | 2.531            | 0.017772         | 2.464             | 2.4868            | 2.509             | 0.01512           | -0.034    | -0.0177   | -0.006    | 0.011719  |
| 10       | 2.476            | 2.5135           | 2.539            | 0.021256         | 2.419             | 2.4708            | 2.511             | 0.026666          | -0.077    | -0.0427   | 0.006     | 0.030203  |
| 30       | 2.499            | 2.5182           | 2.542            | 0.014589         | 2.343             | 2.4248            | 2.493             | 0.05731           | -0.157    | -0.0934   | -0.038    | 0.055869  |
| 50       | 2.472            | 2.5039           | 2.525            | 0.01791          | 2.315             | 2.3866            | 2.472             | 0.065835          | -0.197    | -0.1173   | -0.039    | 0.076699  |
| 100      | 2.469            | 2.4944           | 2.527            | 0.018975         | 2.257             | 2.344             | 2.466             | 0.083858          | -0.244    | -0.1504   | -0.061    | 0.090209  |



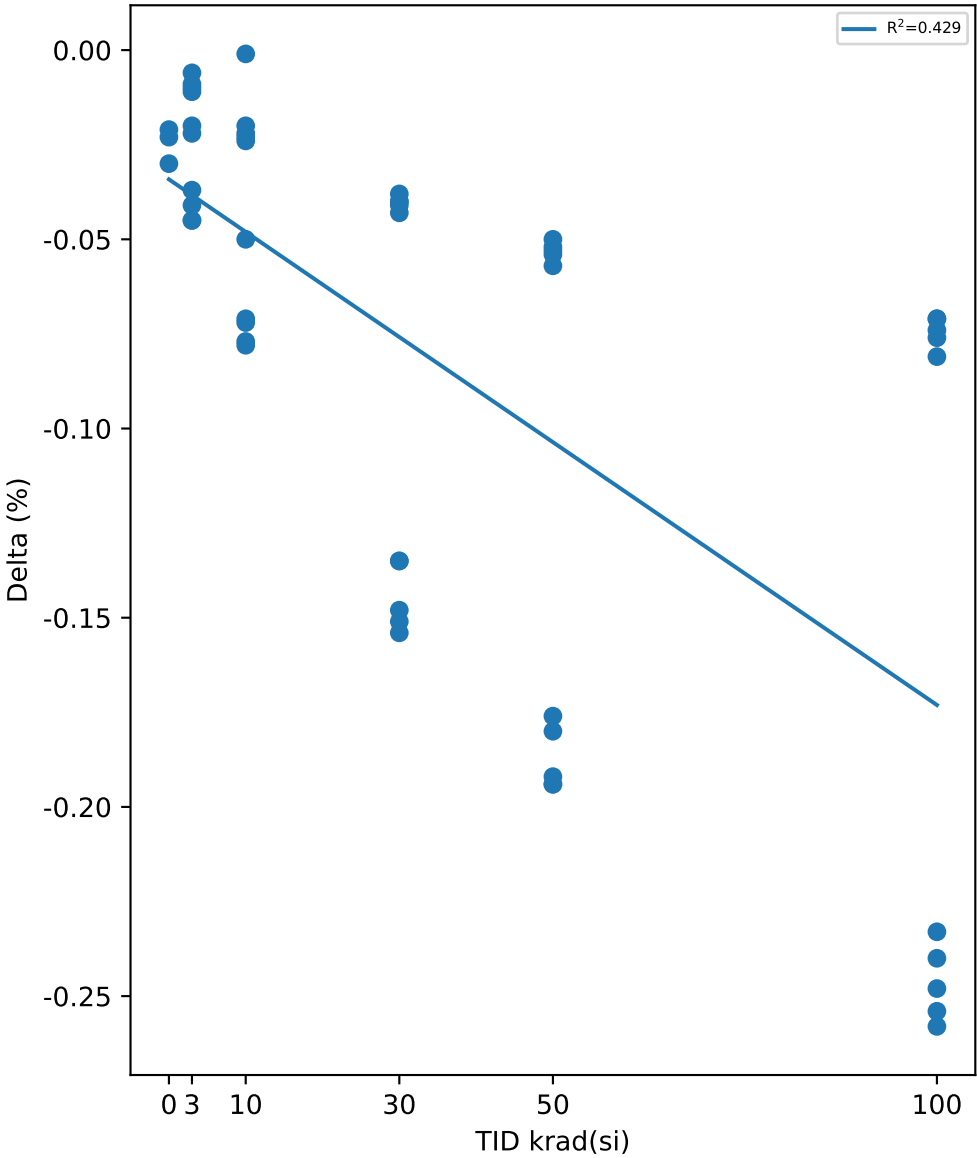
TID vs Result Stats



Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 2.465      | 2.435       | -0.03  |
| 301      | 0        | Correlation         | 2.447      | 2.424       | -0.023 |
| 302      | 0        | Correlation         | 2.451      | 2.43        | -0.021 |
| 303      | 3        | Bias                | 2.468      | 2.427       | -0.041 |
| 304      | 3        | Bias                | 2.491      | 2.446       | -0.045 |
| 305      | 3        | Bias                | 2.48       | 2.435       | -0.045 |
| 306      | 3        | Bias                | 2.48       | 2.443       | -0.037 |
| 307      | 3        | Bias                | 2.466      | 2.444       | -0.022 |
| 308      | 3        | Unbiased            | 2.488      | 2.468       | -0.02  |
| 309      | 3        | Unbiased            | 2.44       | 2.43        | -0.01  |
| 310      | 3        | Unbiased            | 2.465      | 2.459       | -0.006 |
| 311      | 3        | Unbiased            | 2.436      | 2.425       | -0.011 |
| 312      | 3        | Unbiased            | 2.418      | 2.409       | -0.009 |
| 313      | 10       | Bias                | 2.482      | 2.41        | -0.072 |
| 314      | 10       | Bias                | 2.446      | 2.375       | -0.071 |
| 315      | 10       | Bias                | 2.475      | 2.398       | -0.077 |
| 316      | 10       | Bias                | 2.457      | 2.434       | -0.023 |
| 317      | 10       | Bias                | 2.489      | 2.411       | -0.078 |
| 318      | 10       | Unbiased            | 2.422      | 2.402       | -0.02  |
| 319      | 10       | Unbiased            | 2.465      | 2.443       | -0.022 |
| 320      | 10       | Unbiased            | 2.459      | 2.458       | -0.001 |
| 321      | 10       | Unbiased            | 2.486      | 2.436       | -0.05  |
| 322      | 10       | Unbiased            | 2.461      | 2.437       | -0.024 |
| 323      | 30       | Bias                | 2.479      | 2.344       | -0.135 |
| 324      | 30       | Bias                | 2.467      | 2.332       | -0.135 |
| 325      | 30       | Bias                | 2.457      | 2.303       | -0.154 |
| 326      | 30       | Bias                | 2.447      | 2.296       | -0.151 |
| 327      | 30       | Bias                | 2.495      | 2.347       | -0.148 |
| 328      | 30       | Unbiased            | 2.449      | 2.409       | -0.04  |
| 329      | 30       | Unbiased            | 2.478      | 2.44        | -0.038 |
| 330      | 30       | Unbiased            | 2.445      | 2.404       | -0.041 |
| 331      | 30       | Unbiased            | 2.481      | 2.438       | -0.043 |
| 332      | 30       | Unbiased            | 2.479      | 2.439       | -0.04  |
| 333      | 50       | Bias                | 2.464      | 2.288       | -0.176 |
| 334      | 50       | Bias                | 2.449      | 2.269       | -0.18  |
| 335      | 50       | Bias                | 2.467      | 2.275       | -0.192 |
| 336      | 50       | Bias                | 2.482      | 2.288       | -0.194 |
| 337      | 50       | Bias                | 2.477      | 2.283       | -0.194 |
| 338      | 50       | Unbiased            | 2.452      | 2.4         | -0.052 |
| 339      | 50       | Unbiased            | 2.435      | 2.385       | -0.05  |
| 340      | 50       | Unbiased            | 2.447      | 2.39        | -0.057 |
| 341      | 50       | Unbiased            | 2.478      | 2.425       | -0.053 |
| 342      | 50       | Unbiased            | 2.447      | 2.393       | -0.054 |
| 343      | 100      | Bias                | 2.445      | 2.212       | -0.233 |
| 344      | 100      | Bias                | 2.47       | 2.23        | -0.24  |
| 345      | 100      | Bias                | 2.462      | 2.214       | -0.248 |
| 346      | 100      | Bias                | 2.495      | 2.237       | -0.258 |
| 347      | 100      | Bias                | 2.486      | 2.232       | -0.254 |
| 348      | 100      | Unbiased            | 2.438      | 2.367       | -0.071 |
| 349      | 100      | Unbiased            | 2.477      | 2.406       | -0.071 |
| 350      | 100      | Unbiased            | 2.439      | 2.358       | -0.081 |
| 351      | 100      | Unbiased            | 2.443      | 2.367       | -0.076 |
| 352      | 100      | Unbiased            | 2.423      | 2.349       | -0.074 |

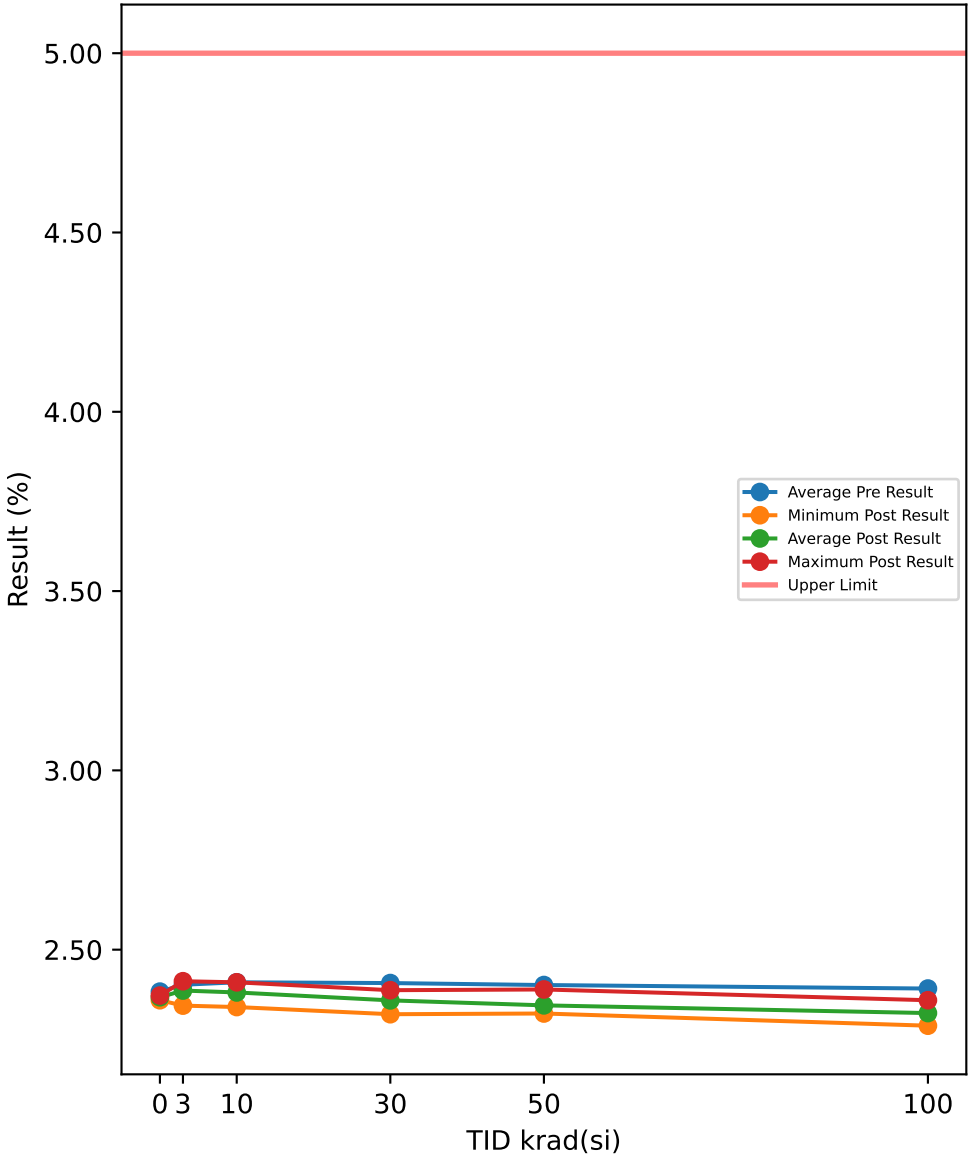
TID vs Post - Pre Exposure Delta



Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 2.447            | 2.4543           | 2.465            | 0.0094516        | 2.424             | 2.4297            | 2.435             | 0.0055076         | -0.03     | -0.024667 | -0.021    | 0.0047258 |
| 3        | 2.418            | 2.4632           | 2.491            | 0.024284         | 2.409             | 2.4386            | 2.468             | 0.017212          | -0.045    | -0.0246   | -0.006    | 0.015883  |
| 10       | 2.422            | 2.4642           | 2.489            | 0.020346         | 2.375             | 2.4204            | 2.458             | 0.025224          | -0.078    | -0.0438   | -0.001    | 0.028951  |
| 30       | 2.445            | 2.4677           | 2.495            | 0.017295         | 2.296             | 2.3752            | 2.44              | 0.057063          | -0.154    | -0.0925   | -0.038    | 0.055259  |
| 50       | 2.435            | 2.4598           | 2.482            | 0.016019         | 2.269             | 2.3396            | 2.425             | 0.063316          | -0.194    | -0.1202   | -0.05     | 0.070875  |
| 100      | 2.423            | 2.4578           | 2.495            | 0.023696         | 2.212             | 2.2972            | 2.406             | 0.077841          | -0.258    | -0.1606   | -0.071    | 0.090948  |

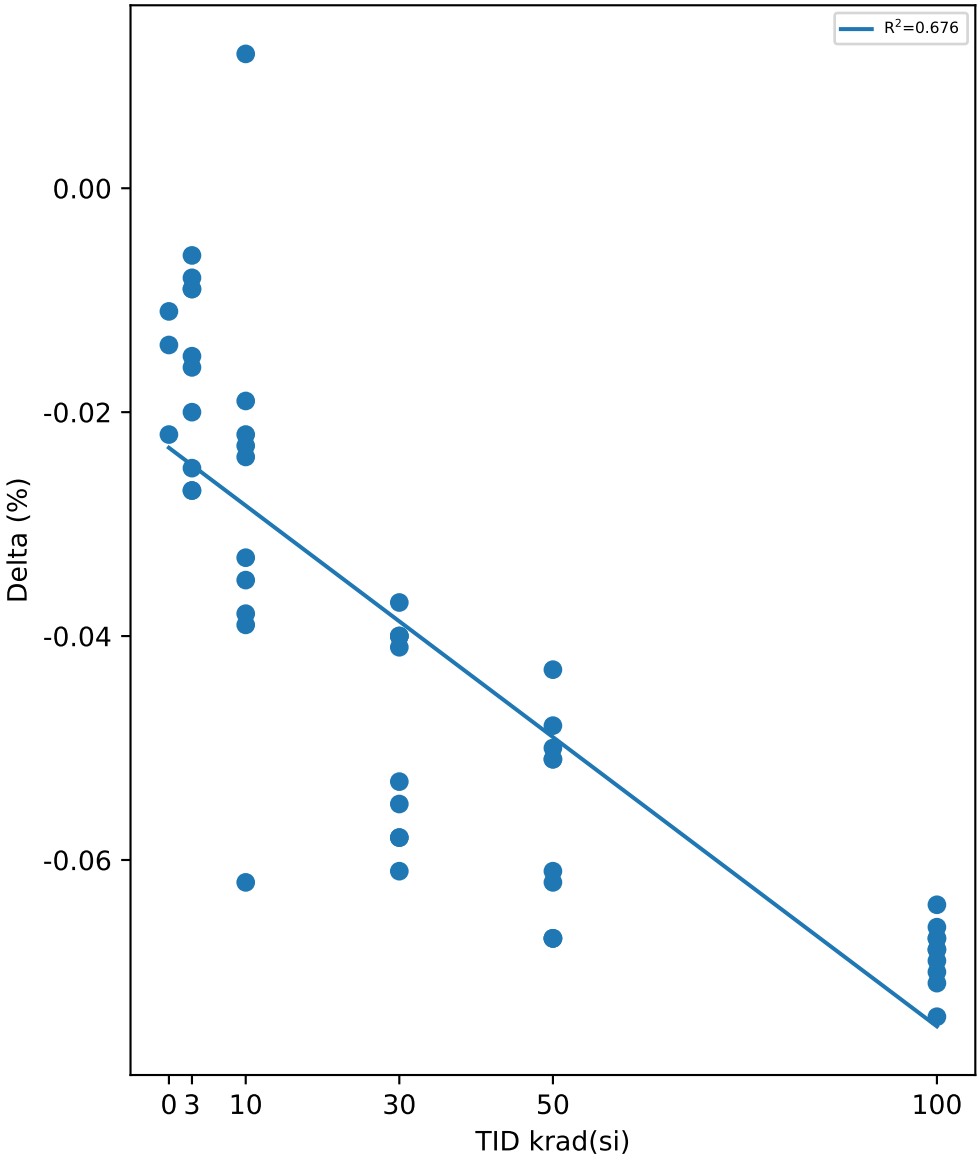
TID vs Result Stats



Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 2.394      | 2.372       | -0.022 |
| 301      | 0        | Correlation         | 2.373      | 2.359       | -0.014 |
| 302      | 0        | Correlation         | 2.382      | 2.371       | -0.011 |
| 303      | 3        | Bias                | 2.402      | 2.377       | -0.025 |
| 304      | 3        | Bias                | 2.439      | 2.412       | -0.027 |
| 305      | 3        | Bias                | 2.427      | 2.4         | -0.027 |
| 306      | 3        | Bias                | 2.413      | 2.393       | -0.02  |
| 307      | 3        | Bias                | 2.409      | 2.393       | -0.016 |
| 308      | 3        | Unbiased            | 2.421      | 2.406       | -0.015 |
| 309      | 3        | Unbiased            | 2.379      | 2.37        | -0.009 |
| 310      | 3        | Unbiased            | 2.41       | 2.404       | -0.006 |
| 311      | 3        | Unbiased            | 2.37       | 2.361       | -0.009 |
| 312      | 3        | Unbiased            | 2.352      | 2.344       | -0.008 |
| 313      | 10       | Bias                | 2.425      | 2.392       | -0.033 |
| 314      | 10       | Bias                | 2.387      | 2.352       | -0.035 |
| 315      | 10       | Bias                | 2.428      | 2.39        | -0.038 |
| 316      | 10       | Bias                | 2.393      | 2.37        | -0.023 |
| 317      | 10       | Bias                | 2.44       | 2.401       | -0.039 |
| 318      | 10       | Unbiased            | 2.359      | 2.34        | -0.019 |
| 319      | 10       | Unbiased            | 2.411      | 2.389       | -0.022 |
| 320      | 10       | Unbiased            | 2.397      | 2.409       | 0.012  |
| 321      | 10       | Unbiased            | 2.436      | 2.374       | -0.062 |
| 322      | 10       | Unbiased            | 2.414      | 2.39        | -0.024 |
| 323      | 30       | Bias                | 2.422      | 2.367       | -0.055 |
| 324      | 30       | Bias                | 2.406      | 2.353       | -0.053 |
| 325      | 30       | Bias                | 2.395      | 2.337       | -0.058 |
| 326      | 30       | Bias                | 2.378      | 2.32        | -0.058 |
| 327      | 30       | Bias                | 2.445      | 2.384       | -0.061 |
| 328      | 30       | Unbiased            | 2.381      | 2.344       | -0.037 |
| 329      | 30       | Unbiased            | 2.427      | 2.387       | -0.04  |
| 330      | 30       | Unbiased            | 2.38       | 2.34        | -0.04  |
| 331      | 30       | Unbiased            | 2.417      | 2.376       | -0.041 |
| 332      | 30       | Unbiased            | 2.418      | 2.378       | -0.04  |
| 333      | 50       | Bias                | 2.402      | 2.34        | -0.062 |
| 334      | 50       | Bias                | 2.389      | 2.328       | -0.061 |
| 335      | 50       | Bias                | 2.417      | 2.35        | -0.067 |
| 336      | 50       | Bias                | 2.422      | 2.355       | -0.067 |
| 337      | 50       | Bias                | 2.416      | 2.349       | -0.067 |
| 338      | 50       | Unbiased            | 2.391      | 2.34        | -0.051 |
| 339      | 50       | Unbiased            | 2.365      | 2.322       | -0.043 |
| 340      | 50       | Unbiased            | 2.393      | 2.342       | -0.051 |
| 341      | 50       | Unbiased            | 2.439      | 2.389       | -0.05  |
| 342      | 50       | Unbiased            | 2.38       | 2.332       | -0.048 |
| 343      | 100      | Bias                | 2.372      | 2.304       | -0.068 |
| 344      | 100      | Bias                | 2.409      | 2.339       | -0.07  |
| 345      | 100      | Bias                | 2.409      | 2.338       | -0.071 |
| 346      | 100      | Bias                | 2.414      | 2.346       | -0.068 |
| 347      | 100      | Bias                | 2.401      | 2.335       | -0.066 |
| 348      | 100      | Unbiased            | 2.379      | 2.315       | -0.064 |
| 349      | 100      | Unbiased            | 2.426      | 2.359       | -0.067 |
| 350      | 100      | Unbiased            | 2.374      | 2.3         | -0.074 |
| 351      | 100      | Unbiased            | 2.377      | 2.308       | -0.069 |
| 352      | 100      | Unbiased            | 2.355      | 2.288       | -0.067 |

TID vs Post - Pre Exposure Delta

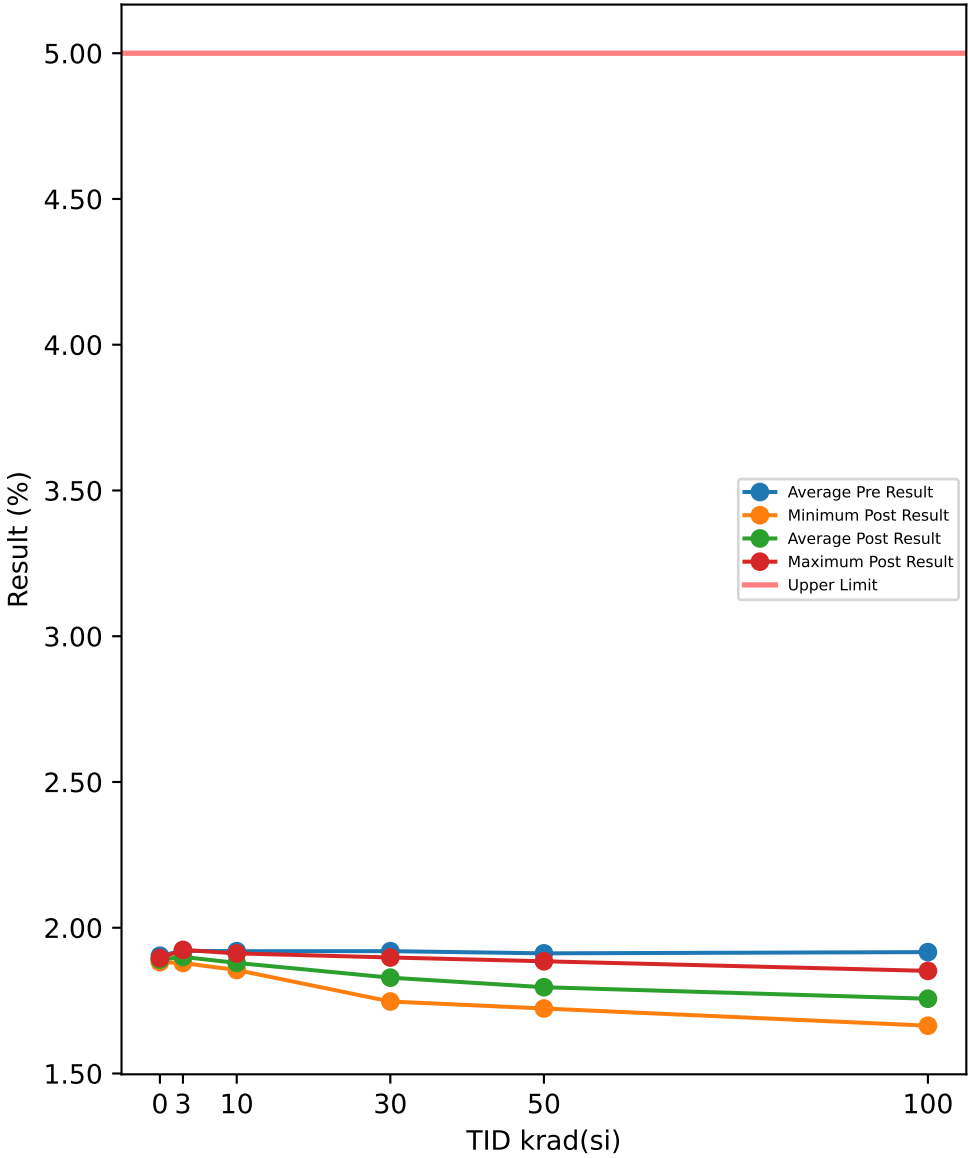


Test Statistics (%)

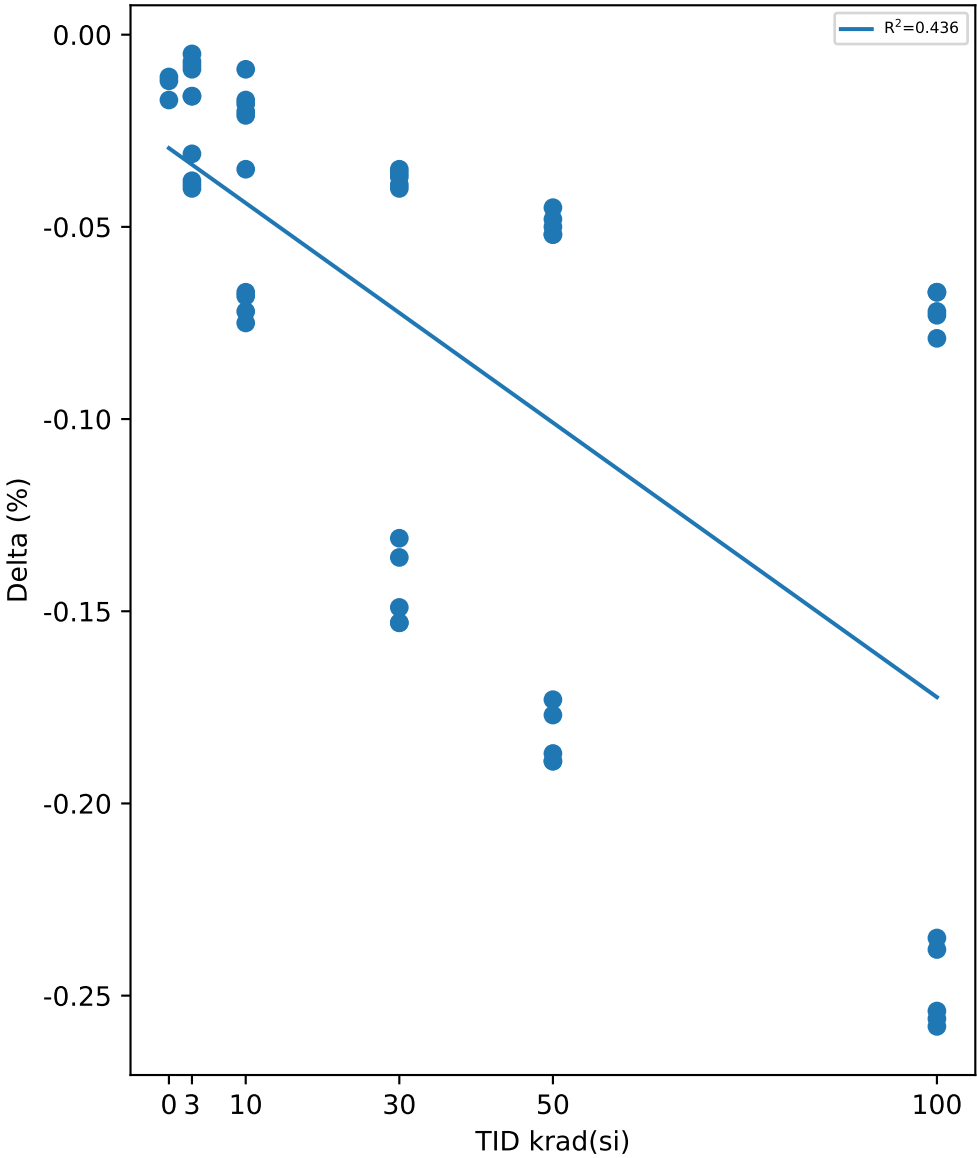
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 2.373            | 2.383            | 2.394            | 0.010536         | 2.359             | 2.3673            | 2.372             | 0.0072342         | -0.022    | -0.015667 | -0.011    | 0.0056862 |
| 3        | 2.352            | 2.4022           | 2.439            | 0.027165         | 2.344             | 2.386             | 2.412             | 0.022161          | -0.027    | -0.0162   | -0.006    | 0.0081758 |
| 10       | 2.359            | 2.409            | 2.44             | 0.02521          | 2.34              | 2.3807            | 2.409             | 0.021659          | -0.062    | -0.0283   | 0.012     | 0.01888   |
| 30       | 2.378            | 2.4069           | 2.445            | 0.022806         | 2.32              | 2.3586            | 2.387             | 0.02297           | -0.061    | -0.0483   | -0.037    | 0.0094522 |
| 50       | 2.365            | 2.4014           | 2.439            | 0.022137         | 2.322             | 2.3447            | 2.389             | 0.018625          | -0.067    | -0.0567   | -0.043    | 0.009056  |
| 100      | 2.355            | 2.3916           | 2.426            | 0.023056         | 2.288             | 2.3232            | 2.359             | 0.023223          | -0.074    | -0.0684   | -0.064    | 0.0027968 |

Device Test: 6.75 ; VOL\_WDO\_2MA

TID vs Result Stats



TID vs Post - Pre Exposure Delta



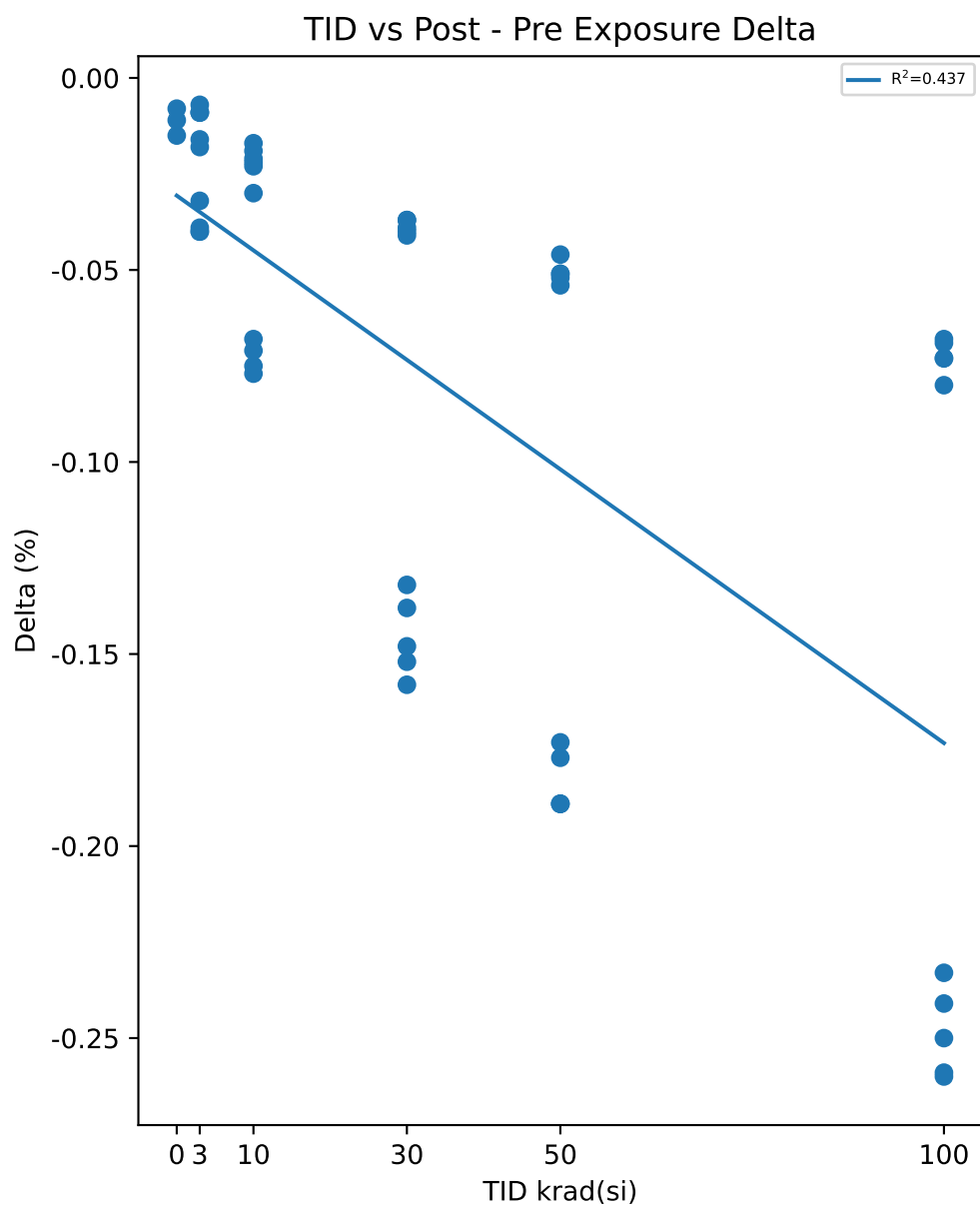
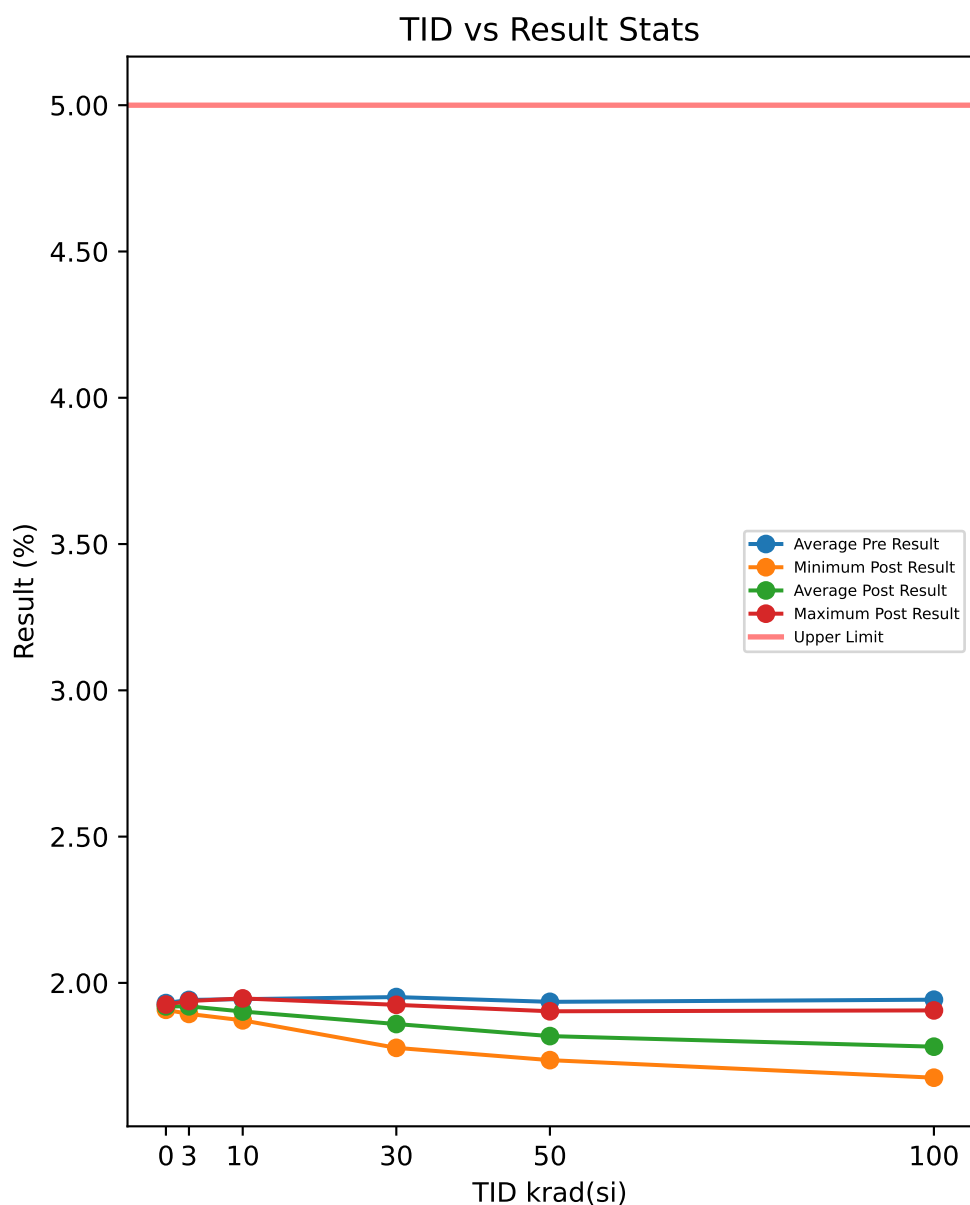
Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 1.913      | 1.896       | -0.017 |
| 301      | 0        | Correlation         | 1.894      | 1.882       | -0.012 |
| 302      | 0        | Correlation         | 1.905      | 1.894       | -0.011 |
| 303      | 3        | Bias                | 1.941      | 1.903       | -0.038 |
| 304      | 3        | Bias                | 1.946      | 1.907       | -0.039 |
| 305      | 3        | Bias                | 1.932      | 1.892       | -0.04  |
| 306      | 3        | Bias                | 1.91       | 1.879       | -0.031 |
| 307      | 3        | Bias                | 1.93       | 1.914       | -0.016 |
| 308      | 3        | Unbiased            | 1.94       | 1.924       | -0.016 |
| 309      | 3        | Unbiased            | 1.907      | 1.898       | -0.009 |
| 310      | 3        | Unbiased            | 1.921      | 1.916       | -0.005 |
| 311      | 3        | Unbiased            | 1.893      | 1.885       | -0.008 |
| 312      | 3        | Unbiased            | 1.888      | 1.881       | -0.007 |
| 313      | 10       | Bias                | 1.922      | 1.855       | -0.067 |
| 314      | 10       | Bias                | 1.929      | 1.861       | -0.068 |
| 315      | 10       | Bias                | 1.937      | 1.862       | -0.075 |
| 316      | 10       | Bias                | 1.903      | 1.883       | -0.02  |
| 317      | 10       | Bias                | 1.929      | 1.857       | -0.072 |
| 318      | 10       | Unbiased            | 1.901      | 1.884       | -0.017 |
| 319      | 10       | Unbiased            | 1.93       | 1.912       | -0.018 |
| 320      | 10       | Unbiased            | 1.902      | 1.893       | -0.009 |
| 321      | 10       | Unbiased            | 1.917      | 1.882       | -0.035 |
| 322      | 10       | Unbiased            | 1.926      | 1.905       | -0.021 |
| 323      | 30       | Bias                | 1.949      | 1.813       | -0.136 |
| 324      | 30       | Bias                | 1.911      | 1.78        | -0.131 |
| 325      | 30       | Bias                | 1.925      | 1.772       | -0.153 |
| 326      | 30       | Bias                | 1.896      | 1.747       | -0.149 |
| 327      | 30       | Bias                | 1.955      | 1.802       | -0.153 |
| 328      | 30       | Unbiased            | 1.901      | 1.865       | -0.036 |
| 329      | 30       | Unbiased            | 1.919      | 1.884       | -0.035 |
| 330      | 30       | Unbiased            | 1.902      | 1.862       | -0.04  |
| 331      | 30       | Unbiased            | 1.904      | 1.865       | -0.039 |
| 332      | 30       | Unbiased            | 1.935      | 1.898       | -0.037 |
| 333      | 50       | Bias                | 1.896      | 1.723       | -0.173 |
| 334      | 50       | Bias                | 1.91       | 1.733       | -0.177 |
| 335      | 50       | Bias                | 1.919      | 1.73        | -0.189 |
| 336      | 50       | Bias                | 1.913      | 1.726       | -0.187 |
| 337      | 50       | Bias                | 1.918      | 1.729       | -0.189 |
| 338      | 50       | Unbiased            | 1.902      | 1.854       | -0.048 |
| 339      | 50       | Unbiased            | 1.891      | 1.846       | -0.045 |
| 340      | 50       | Unbiased            | 1.924      | 1.872       | -0.052 |
| 341      | 50       | Unbiased            | 1.935      | 1.885       | -0.05  |
| 342      | 50       | Unbiased            | 1.914      | 1.862       | -0.052 |
| 343      | 100      | Bias                | 1.899      | 1.664       | -0.235 |
| 344      | 100      | Bias                | 1.916      | 1.678       | -0.238 |
| 345      | 100      | Bias                | 1.935      | 1.681       | -0.254 |
| 346      | 100      | Bias                | 1.944      | 1.688       | -0.256 |
| 347      | 100      | Bias                | 1.933      | 1.675       | -0.258 |
| 348      | 100      | Unbiased            | 1.902      | 1.835       | -0.067 |
| 349      | 100      | Unbiased            | 1.919      | 1.852       | -0.067 |
| 350      | 100      | Unbiased            | 1.911      | 1.832       | -0.079 |
| 351      | 100      | Unbiased            | 1.909      | 1.837       | -0.072 |
| 352      | 100      | Unbiased            | 1.896      | 1.823       | -0.073 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 1.894            | 1.904            | 1.913            | 0.0095394        | 1.882             | 1.8907            | 1.896             | 0.0075719         | -0.017    | -0.013333 | -0.011    | 0.0032146 |
| 3        | 1.888            | 1.9208           | 1.946            | 0.020487         | 1.879             | 1.8999            | 1.924             | 0.015567          | -0.04     | -0.0209   | -0.005    | 0.014487  |
| 10       | 1.901            | 1.9196           | 1.937            | 0.013218         | 1.855             | 1.8794            | 1.912             | 0.020228          | -0.075    | -0.0402   | -0.009    | 0.026919  |
| 30       | 1.896            | 1.9197           | 1.955            | 0.020854         | 1.747             | 1.8288            | 1.898             | 0.05252           | -0.153    | -0.0909   | -0.035    | 0.056822  |
| 50       | 1.891            | 1.9122           | 1.935            | 0.013181         | 1.723             | 1.796             | 1.885             | 0.072234          | -0.189    | -0.1162   | -0.045    | 0.070618  |
| 100      | 1.896            | 1.9164           | 1.944            | 0.016331         | 1.664             | 1.7565            | 1.852             | 0.084089          | -0.258    | -0.1599   | -0.067    | 0.093415  |

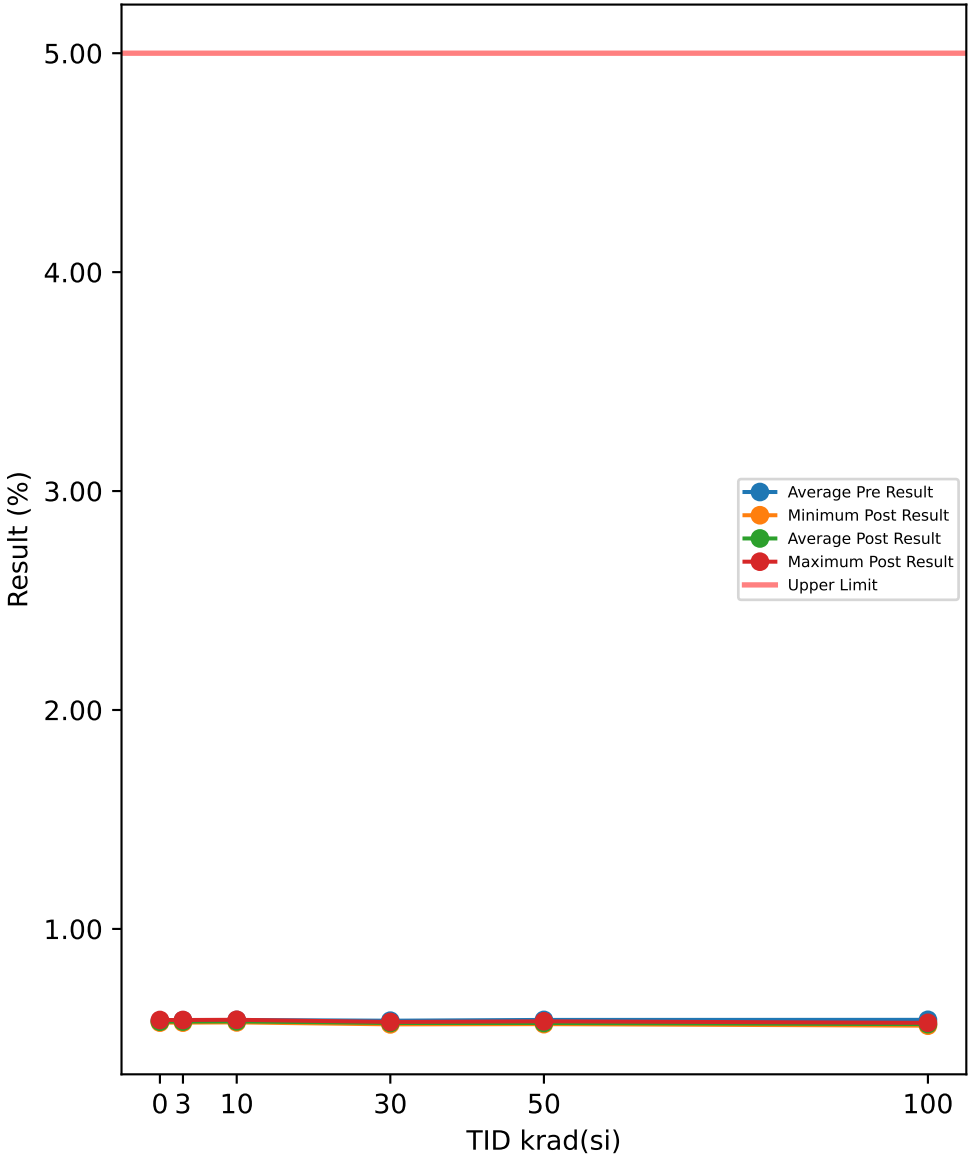
## Device Test: 6.76 ; VOL PWRGD 2MA



| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 1.941      | 1.926       | -0.015 |
| 301      | 0        | Correlation         | 1.919      | 1.908       | -0.011 |
| 302      | 0        | Correlation         | 1.933      | 1.925       | -0.008 |
| 303      | 3        | Bias                | 1.961      | 1.922       | -0.039 |
| 304      | 3        | Bias                | 1.959      | 1.919       | -0.04  |
| 305      | 3        | Bias                | 1.96       | 1.92        | -0.04  |
| 306      | 3        | Bias                | 1.947      | 1.915       | -0.032 |
| 307      | 3        | Bias                | 1.952      | 1.934       | -0.018 |
| 308      | 3        | Unbiased            | 1.954      | 1.938       | -0.016 |
| 309      | 3        | Unbiased            | 1.929      | 1.92        | -0.009 |
| 310      | 3        | Unbiased            | 1.936      | 1.929       | -0.007 |
| 311      | 3        | Unbiased            | 1.917      | 1.908       | -0.009 |
| 312      | 3        | Unbiased            | 1.903      | 1.894       | -0.009 |
| 313      | 10       | Bias                | 1.955      | 1.887       | -0.068 |
| 314      | 10       | Bias                | 1.943      | 1.872       | -0.071 |
| 315      | 10       | Bias                | 1.957      | 1.88        | -0.077 |
| 316      | 10       | Bias                | 1.93       | 1.907       | -0.023 |
| 317      | 10       | Bias                | 1.956      | 1.881       | -0.075 |
| 318      | 10       | Unbiased            | 1.907      | 1.888       | -0.019 |
| 319      | 10       | Unbiased            | 1.968      | 1.947       | -0.021 |
| 320      | 10       | Unbiased            | 1.937      | 1.92        | -0.017 |
| 321      | 10       | Unbiased            | 1.945      | 1.915       | -0.03  |
| 322      | 10       | Unbiased            | 1.947      | 1.925       | -0.022 |
| 323      | 30       | Bias                | 1.981      | 1.843       | -0.138 |
| 324      | 30       | Bias                | 1.944      | 1.812       | -0.132 |
| 325      | 30       | Bias                | 1.94       | 1.788       | -0.152 |
| 326      | 30       | Bias                | 1.926      | 1.778       | -0.148 |
| 327      | 30       | Bias                | 2          | 1.842       | -0.158 |
| 328      | 30       | Unbiased            | 1.934      | 1.897       | -0.037 |
| 329      | 30       | Unbiased            | 1.952      | 1.915       | -0.037 |
| 330      | 30       | Unbiased            | 1.934      | 1.893       | -0.041 |
| 331      | 30       | Unbiased            | 1.941      | 1.901       | -0.04  |
| 332      | 30       | Unbiased            | 1.964      | 1.925       | -0.039 |
| 333      | 50       | Bias                | 1.909      | 1.736       | -0.173 |
| 334      | 50       | Bias                | 1.936      | 1.759       | -0.177 |
| 335      | 50       | Bias                | 1.941      | 1.752       | -0.189 |
| 336      | 50       | Bias                | 1.946      | 1.757       | -0.189 |
| 337      | 50       | Bias                | 1.943      | 1.754       | -0.189 |
| 338      | 50       | Unbiased            | 1.934      | 1.883       | -0.051 |
| 339      | 50       | Unbiased            | 1.926      | 1.88        | -0.046 |
| 340      | 50       | Unbiased            | 1.938      | 1.884       | -0.054 |
| 341      | 50       | Unbiased            | 1.954      | 1.903       | -0.051 |
| 342      | 50       | Unbiased            | 1.926      | 1.874       | -0.052 |
| 343      | 100      | Bias                | 1.909      | 1.676       | -0.233 |
| 344      | 100      | Bias                | 1.945      | 1.704       | -0.241 |
| 345      | 100      | Bias                | 1.945      | 1.695       | -0.25  |
| 346      | 100      | Bias                | 1.974      | 1.715       | -0.259 |
| 347      | 100      | Bias                | 1.962      | 1.702       | -0.26  |
| 348      | 100      | Unbiased            | 1.922      | 1.854       | -0.068 |
| 349      | 100      | Unbiased            | 1.975      | 1.906       | -0.069 |
| 350      | 100      | Unbiased            | 1.945      | 1.865       | -0.08  |
| 351      | 100      | Unbiased            | 1.941      | 1.868       | -0.073 |
| 352      | 100      | Unbiased            | 1.908      | 1.835       | -0.073 |

| krad(s) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0       | 1.919            | 1.931            | 1.941            | 0.011136         | 1.908             | 1.9197            | 1.926             | 0.010116          | -0.015    | -0.011333 | -0.008    | 0.0035119 |
| 3       | 1.903            | 1.9418           | 1.961            | 0.019982         | 1.894             | 1.9199            | 1.938             | 0.012697          | -0.04     | -0.0219   | -0.007    | 0.014224  |
| 10      | 1.907            | 1.9445           | 1.968            | 0.017103         | 1.872             | 1.9022            | 1.947             | 0.024307          | -0.077    | -0.0423   | -0.017    | 0.026521  |
| 30      | 1.926            | 1.9516           | 2                | 0.023429         | 1.778             | 1.8594            | 1.925             | 0.053965          | -0.158    | -0.0922   | -0.037    | 0.056737  |
| 50      | 1.909            | 1.9353           | 1.954            | 0.012606         | 1.736             | 1.8182            | 1.903             | 0.070839          | -0.189    | -0.1171   | -0.046    | 0.070107  |
| 100     | 1.908            | 1.9426           | 1.975            | 0.023996         | 1.676             | 1.782             | 1.906             | 0.090328          | -0.26     | -0.1606   | -0.068    | 0.093137  |

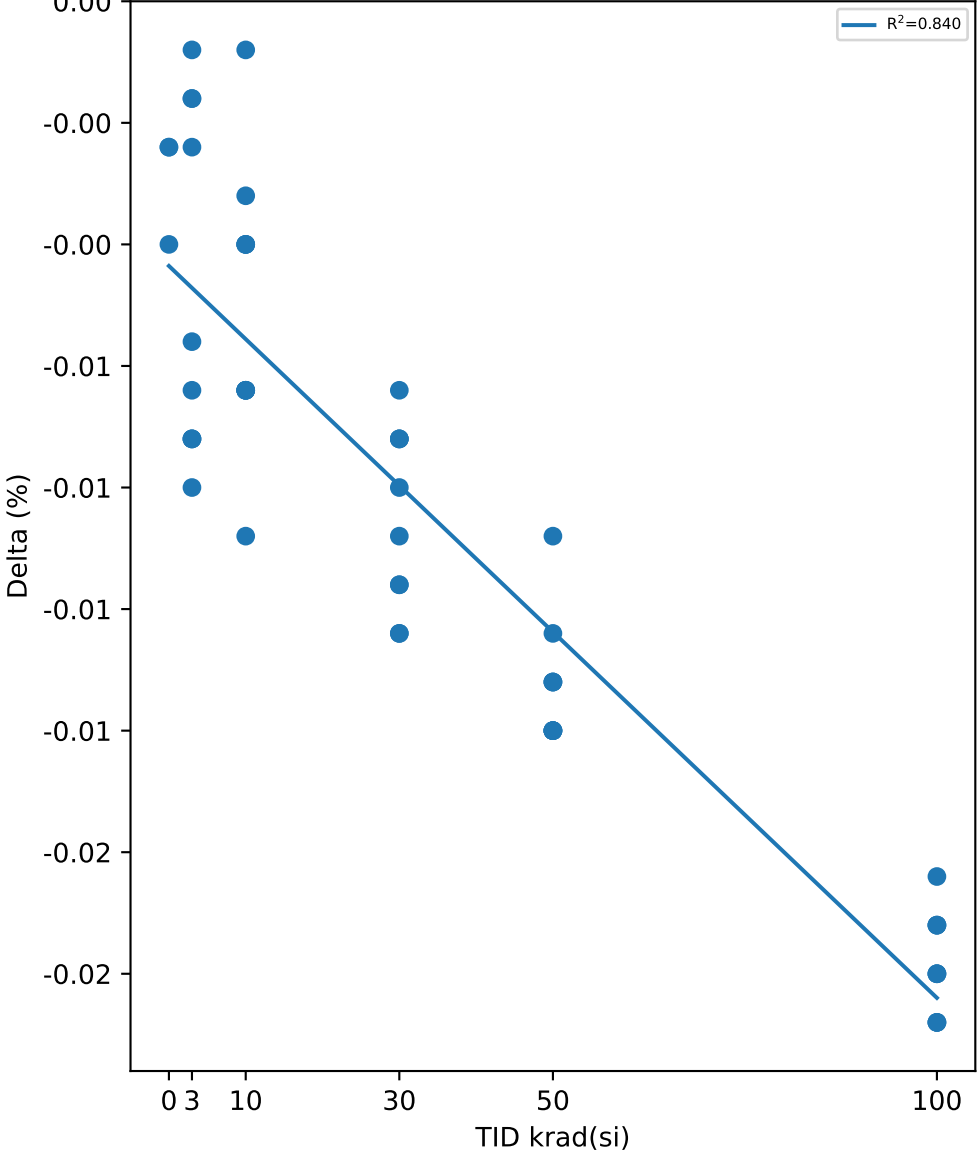
TID vs Result Stats



Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.578      | 0.573       | -0.005 |
| 301      | 0        | Correlation         | 0.575      | 0.572       | -0.003 |
| 302      | 0        | Correlation         | 0.587      | 0.584       | -0.003 |
| 303      | 3        | Bias                | 0.582      | 0.573       | -0.009 |
| 304      | 3        | Bias                | 0.594      | 0.584       | -0.01  |
| 305      | 3        | Bias                | 0.585      | 0.576       | -0.009 |
| 306      | 3        | Bias                | 0.586      | 0.577       | -0.009 |
| 307      | 3        | Bias                | 0.585      | 0.577       | -0.008 |
| 308      | 3        | Unbiased            | 0.584      | 0.577       | -0.007 |
| 309      | 3        | Unbiased            | 0.585      | 0.583       | -0.002 |
| 310      | 3        | Unbiased            | 0.579      | 0.577       | -0.002 |
| 311      | 3        | Unbiased            | 0.573      | 0.572       | -0.001 |
| 312      | 3        | Unbiased            | 0.576      | 0.573       | -0.003 |
| 313      | 10       | Bias                | 0.584      | 0.576       | -0.008 |
| 314      | 10       | Bias                | 0.587      | 0.579       | -0.008 |
| 315      | 10       | Bias                | 0.582      | 0.574       | -0.008 |
| 316      | 10       | Bias                | 0.583      | 0.579       | -0.004 |
| 317      | 10       | Bias                | 0.583      | 0.575       | -0.008 |
| 318      | 10       | Unbiased            | 0.582      | 0.577       | -0.005 |
| 319      | 10       | Unbiased            | 0.578      | 0.573       | -0.005 |
| 320      | 10       | Unbiased            | 0.588      | 0.577       | -0.011 |
| 321      | 10       | Unbiased            | 0.583      | 0.582       | -0.001 |
| 322      | 10       | Unbiased            | 0.59       | 0.585       | -0.005 |
| 323      | 30       | Bias                | 0.58       | 0.569       | -0.011 |
| 324      | 30       | Bias                | 0.579      | 0.567       | -0.012 |
| 325      | 30       | Bias                | 0.587      | 0.574       | -0.013 |
| 326      | 30       | Bias                | 0.577      | 0.564       | -0.013 |
| 327      | 30       | Bias                | 0.584      | 0.572       | -0.012 |
| 328      | 30       | Unbiased            | 0.577      | 0.568       | -0.009 |
| 329      | 30       | Unbiased            | 0.584      | 0.575       | -0.009 |
| 330      | 30       | Unbiased            | 0.578      | 0.57        | -0.008 |
| 331      | 30       | Unbiased            | 0.583      | 0.573       | -0.01  |
| 332      | 30       | Unbiased            | 0.58       | 0.571       | -0.009 |
| 333      | 50       | Bias                | 0.579      | 0.565       | -0.014 |
| 334      | 50       | Bias                | 0.585      | 0.571       | -0.014 |
| 335      | 50       | Bias                | 0.58       | 0.565       | -0.015 |
| 336      | 50       | Bias                | 0.583      | 0.569       | -0.014 |
| 337      | 50       | Bias                | 0.591      | 0.576       | -0.015 |
| 338      | 50       | Unbiased            | 0.58       | 0.569       | -0.011 |
| 339      | 50       | Unbiased            | 0.578      | 0.565       | -0.013 |
| 340      | 50       | Unbiased            | 0.587      | 0.572       | -0.015 |
| 341      | 50       | Unbiased            | 0.588      | 0.573       | -0.015 |
| 342      | 50       | Unbiased            | 0.593      | 0.578       | -0.015 |
| 343      | 100      | Bias                | 0.583      | 0.564       | -0.019 |
| 344      | 100      | Bias                | 0.586      | 0.566       | -0.02  |
| 345      | 100      | Bias                | 0.584      | 0.563       | -0.021 |
| 346      | 100      | Bias                | 0.588      | 0.569       | -0.019 |
| 347      | 100      | Bias                | 0.586      | 0.566       | -0.02  |
| 348      | 100      | Unbiased            | 0.591      | 0.571       | -0.02  |
| 349      | 100      | Unbiased            | 0.585      | 0.567       | -0.018 |
| 350      | 100      | Unbiased            | 0.579      | 0.558       | -0.021 |
| 351      | 100      | Unbiased            | 0.587      | 0.566       | -0.021 |
| 352      | 100      | Unbiased            | 0.579      | 0.56        | -0.019 |

TID vs Post - Pre Exposure Delta

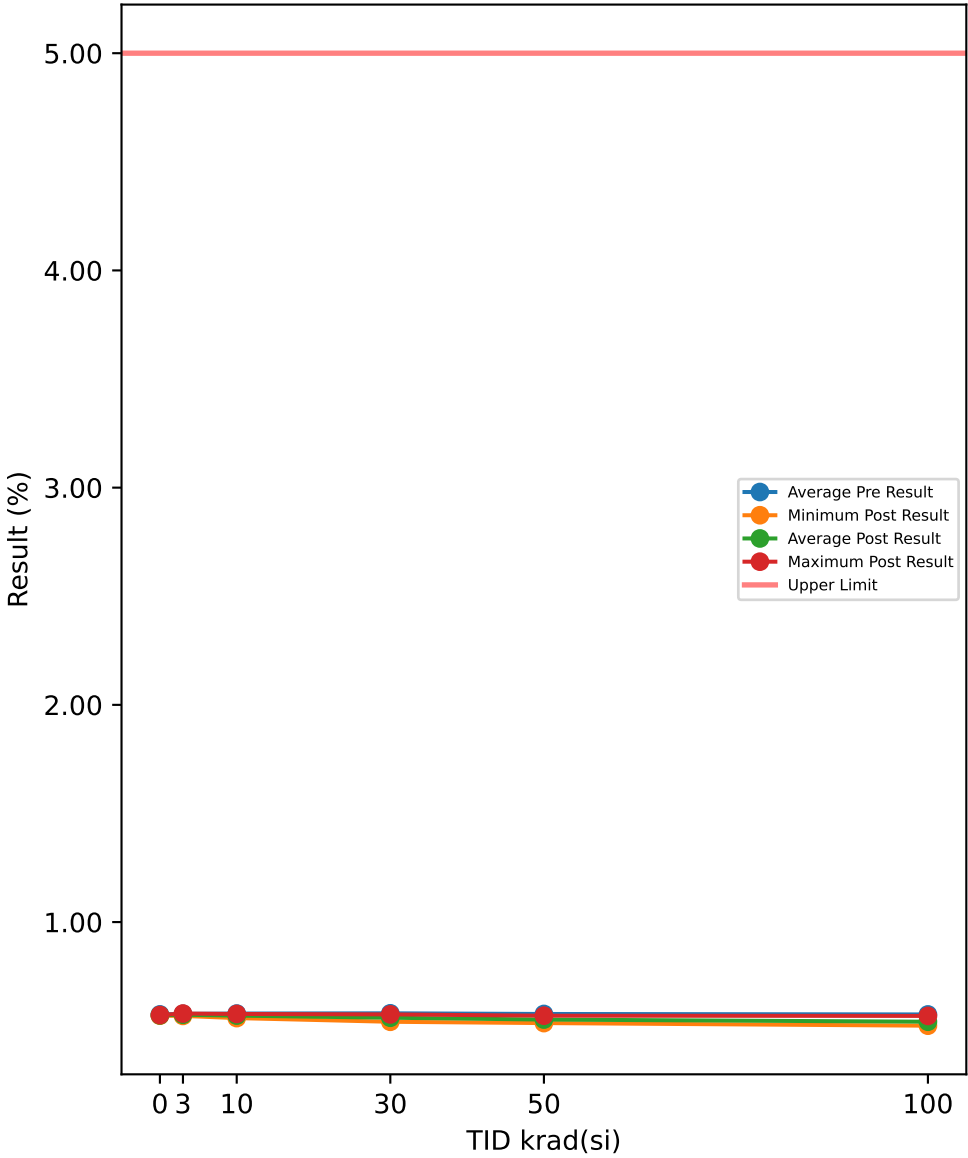


Test Statistics (%)

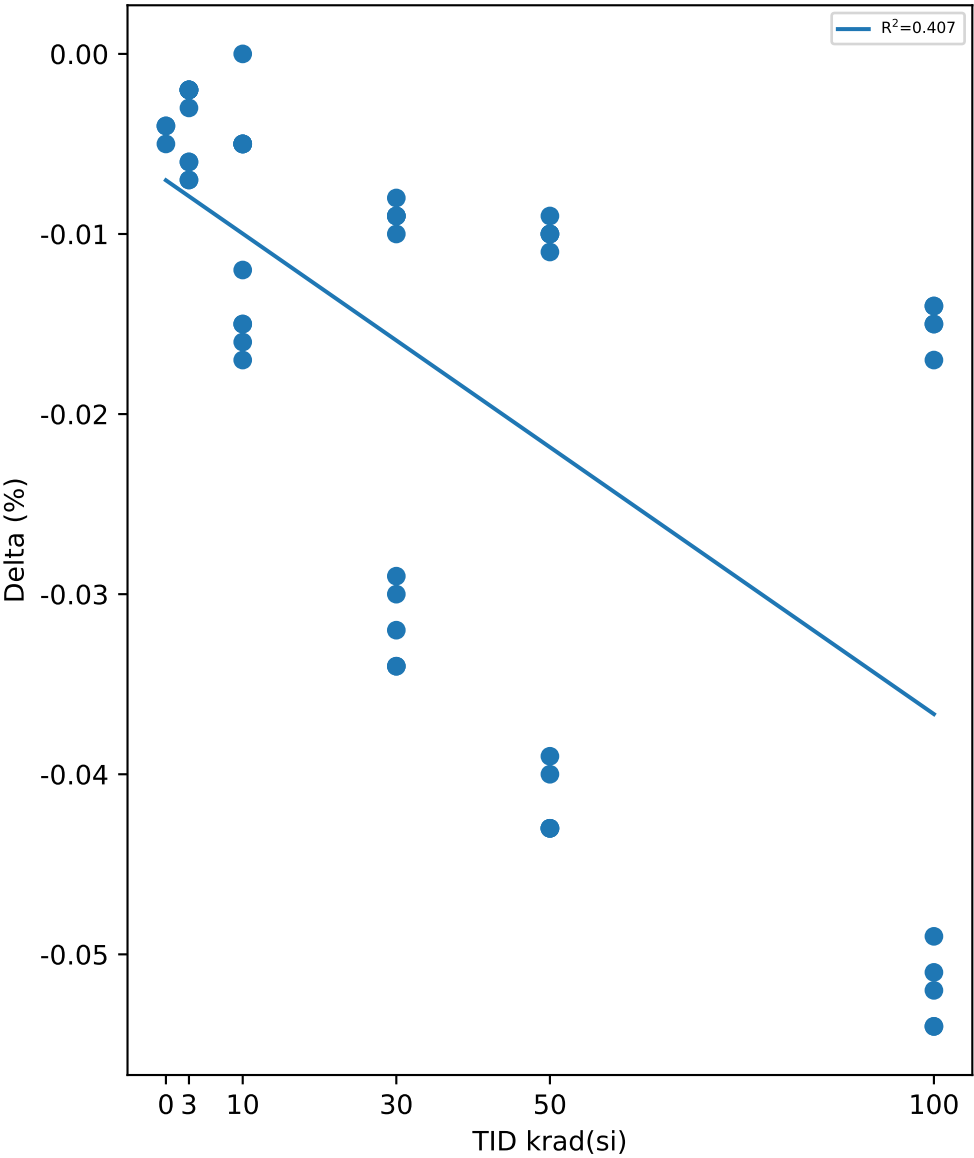
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 0.575            | 0.58             | 0.587            | 0.006245         | 0.572             | 0.57633           | 0.584             | 0.0066583         | -0.005    | -0.0036667 | -0.003    | 0.0011547 |
| 3        | 0.573            | 0.5829           | 0.594            | 0.0058585        | 0.572             | 0.5769            | 0.584             | 0.0039847         | -0.01     | -0.006     | -0.001    | 0.003559  |
| 10       | 0.578            | 0.584            | 0.59             | 0.0034641        | 0.573             | 0.5777            | 0.585             | 0.0036833         | -0.011    | -0.0063    | -0.001    | 0.0028304 |
| 30       | 0.577            | 0.5809           | 0.587            | 0.003414         | 0.564             | 0.5703            | 0.575             | 0.003401          | -0.013    | -0.0106    | -0.008    | 0.0018379 |
| 50       | 0.578            | 0.5844           | 0.593            | 0.0052536        | 0.565             | 0.5703            | 0.578             | 0.0045959         | -0.015    | -0.0141    | -0.011    | 0.0012867 |
| 100      | 0.579            | 0.5848           | 0.591            | 0.0037653        | 0.558             | 0.565             | 0.571             | 0.0039158         | -0.021    | -0.0198    | -0.018    | 0.0010328 |



TID vs Result Stats



TID vs Post - Pre Exposure Delta



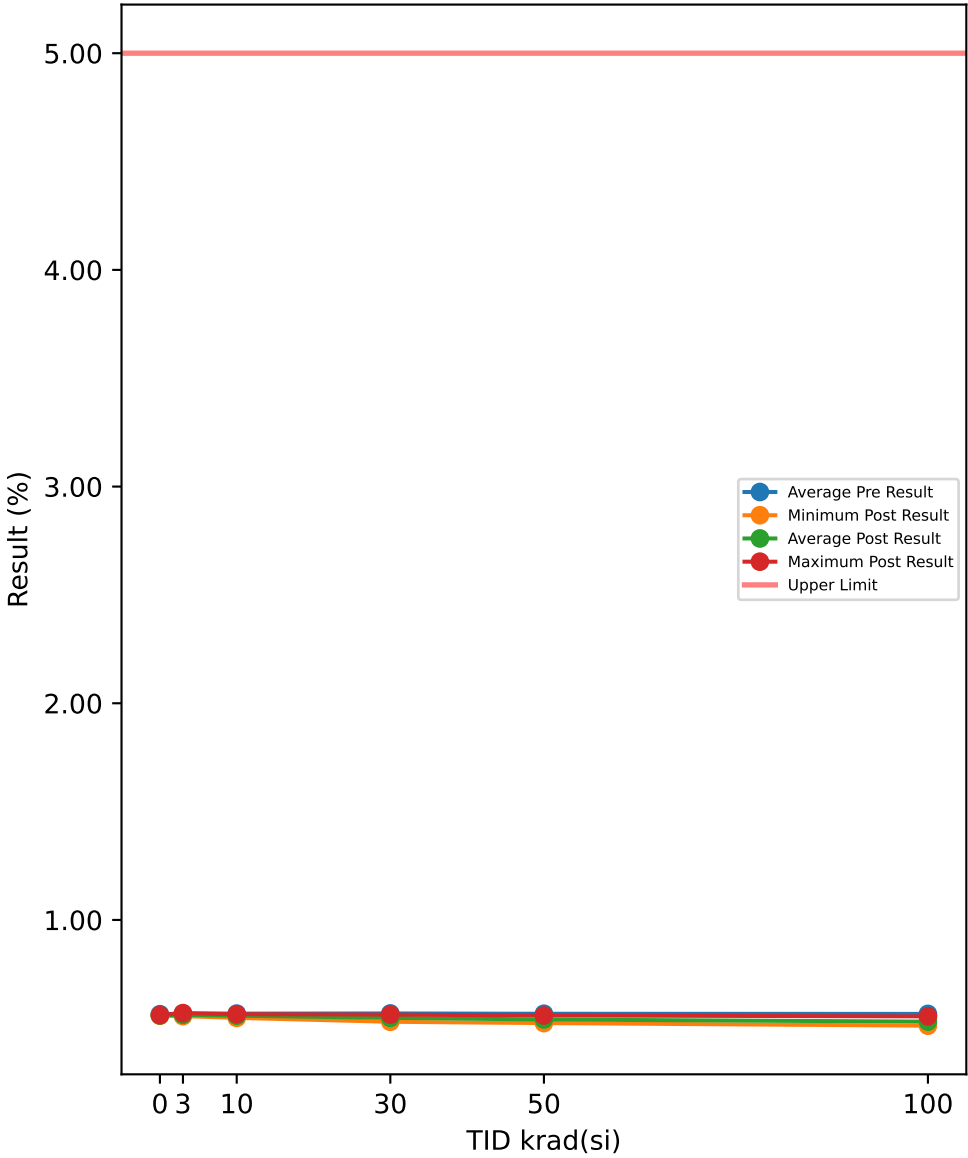
Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.577      | 0.572       | -0.005 |
| 301      | 0        | Correlation         | 0.573      | 0.569       | -0.004 |
| 302      | 0        | Correlation         | 0.575      | 0.571       | -0.004 |
| 303      | 3        | Bias                | 0.577      | 0.571       | -0.006 |
| 304      | 3        | Bias                | 0.579      | 0.572       | -0.007 |
| 305      | 3        | Bias                | 0.582      | 0.575       | -0.007 |
| 306      | 3        | Bias                | 0.578      | 0.572       | -0.006 |
| 307      | 3        | Bias                | 0.58       | 0.577       | -0.003 |
| 308      | 3        | Unbiased            | 0.581      | 0.579       | -0.002 |
| 309      | 3        | Unbiased            | 0.572      | 0.57        | -0.002 |
| 310      | 3        | Unbiased            | 0.581      | 0.579       | -0.002 |
| 311      | 3        | Unbiased            | 0.573      | 0.571       | -0.002 |
| 312      | 3        | Unbiased            | 0.57       | 0.568       | -0.002 |
| 313      | 10       | Bias                | 0.583      | 0.568       | -0.015 |
| 314      | 10       | Bias                | 0.573      | 0.558       | -0.015 |
| 315      | 10       | Bias                | 0.582      | 0.566       | -0.016 |
| 316      | 10       | Bias                | 0.578      | 0.573       | -0.005 |
| 317      | 10       | Bias                | 0.584      | 0.567       | -0.017 |
| 318      | 10       | Unbiased            | 0.571      | 0.566       | -0.005 |
| 319      | 10       | Unbiased            | 0.581      | 0.576       | -0.005 |
| 320      | 10       | Unbiased            | 0.577      | 0.577       | 0      |
| 321      | 10       | Unbiased            | 0.583      | 0.571       | -0.012 |
| 322      | 10       | Unbiased            | 0.577      | 0.572       | -0.005 |
| 323      | 30       | Bias                | 0.582      | 0.553       | -0.029 |
| 324      | 30       | Bias                | 0.581      | 0.551       | -0.03  |
| 325      | 30       | Bias                | 0.575      | 0.541       | -0.034 |
| 326      | 30       | Bias                | 0.577      | 0.543       | -0.034 |
| 327      | 30       | Bias                | 0.586      | 0.554       | -0.032 |
| 328      | 30       | Unbiased            | 0.578      | 0.569       | -0.009 |
| 329      | 30       | Unbiased            | 0.583      | 0.575       | -0.008 |
| 330      | 30       | Unbiased            | 0.575      | 0.566       | -0.009 |
| 331      | 30       | Unbiased            | 0.58       | 0.57        | -0.01  |
| 332      | 30       | Unbiased            | 0.583      | 0.574       | -0.009 |
| 333      | 50       | Bias                | 0.58       | 0.54        | -0.04  |
| 334      | 50       | Bias                | 0.574      | 0.535       | -0.039 |
| 335      | 50       | Bias                | 0.58       | 0.537       | -0.043 |
| 336      | 50       | Bias                | 0.581      | 0.538       | -0.043 |
| 337      | 50       | Bias                | 0.582      | 0.539       | -0.043 |
| 338      | 50       | Unbiased            | 0.577      | 0.566       | -0.011 |
| 339      | 50       | Unbiased            | 0.57       | 0.561       | -0.009 |
| 340      | 50       | Unbiased            | 0.575      | 0.565       | -0.01  |
| 341      | 50       | Unbiased            | 0.579      | 0.569       | -0.01  |
| 342      | 50       | Unbiased            | 0.572      | 0.562       | -0.01  |
| 343      | 100      | Bias                | 0.572      | 0.523       | -0.049 |
| 344      | 100      | Bias                | 0.576      | 0.525       | -0.051 |
| 345      | 100      | Bias                | 0.577      | 0.523       | -0.054 |
| 346      | 100      | Bias                | 0.579      | 0.525       | -0.054 |
| 347      | 100      | Bias                | 0.578      | 0.526       | -0.052 |
| 348      | 100      | Unbiased            | 0.571      | 0.557       | -0.014 |
| 349      | 100      | Unbiased            | 0.582      | 0.568       | -0.014 |
| 350      | 100      | Unbiased            | 0.573      | 0.556       | -0.017 |
| 351      | 100      | Unbiased            | 0.57       | 0.555       | -0.015 |
| 352      | 100      | Unbiased            | 0.57       | 0.555       | -0.015 |

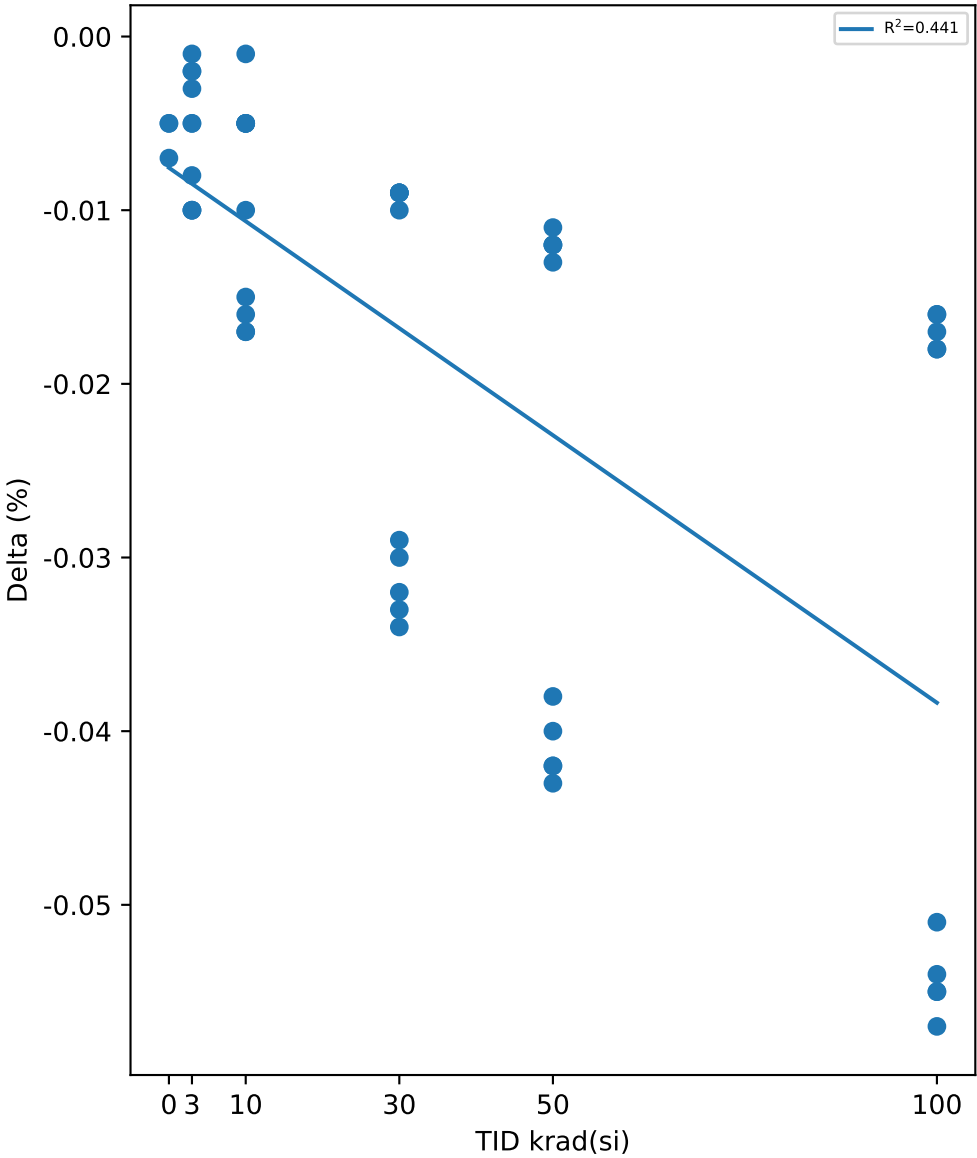
Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|------------|
| 0        | 0.573            | 0.575            | 0.577            | 0.002            | 0.569             | 0.57067           | 0.572             | 0.0015275         | -0.005    | -0.0043333 | -0.004    | 0.00057735 |
| 3        | 0.57             | 0.5773           | 0.582            | 0.0042177        | 0.568             | 0.5734            | 0.579             | 0.0038644         | -0.007    | -0.0039    | -0.002    | 0.0022828  |
| 10       | 0.571            | 0.5789           | 0.584            | 0.0044585        | 0.558             | 0.5694            | 0.577             | 0.0056214         | -0.017    | -0.0095    | 0         | 0.0061146  |
| 30       | 0.575            | 0.58             | 0.586            | 0.0036818        | 0.541             | 0.5596            | 0.575             | 0.012703          | -0.034    | -0.0204    | -0.008    | 0.012122   |
| 50       | 0.57             | 0.577            | 0.582            | 0.0040825        | 0.535             | 0.5512            | 0.569             | 0.014343          | -0.043    | -0.0258    | -0.009    | 0.016712   |
| 100      | 0.57             | 0.5748           | 0.582            | 0.0041846        | 0.523             | 0.5413            | 0.568             | 0.018215          | -0.054    | -0.0335    | -0.014    | 0.019569   |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



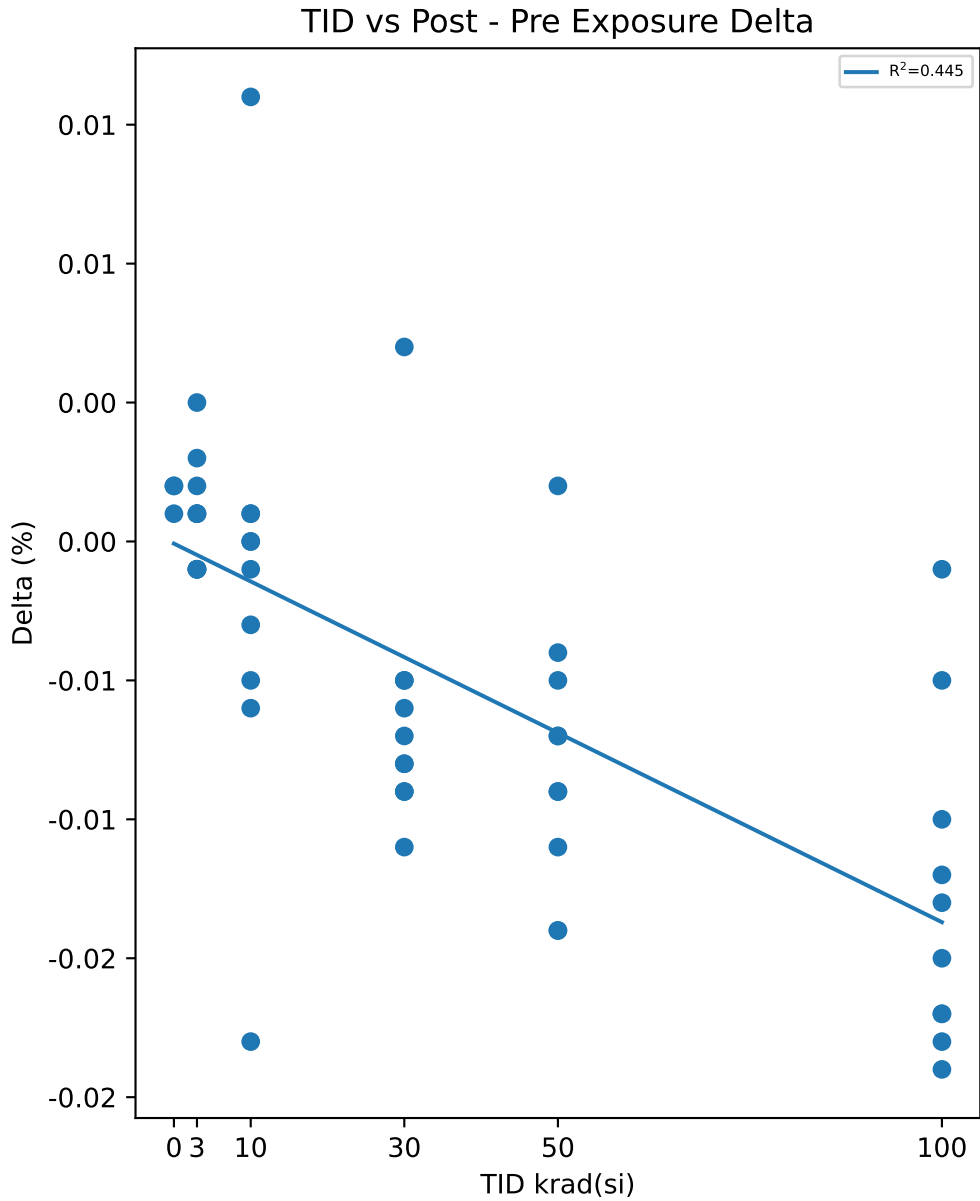
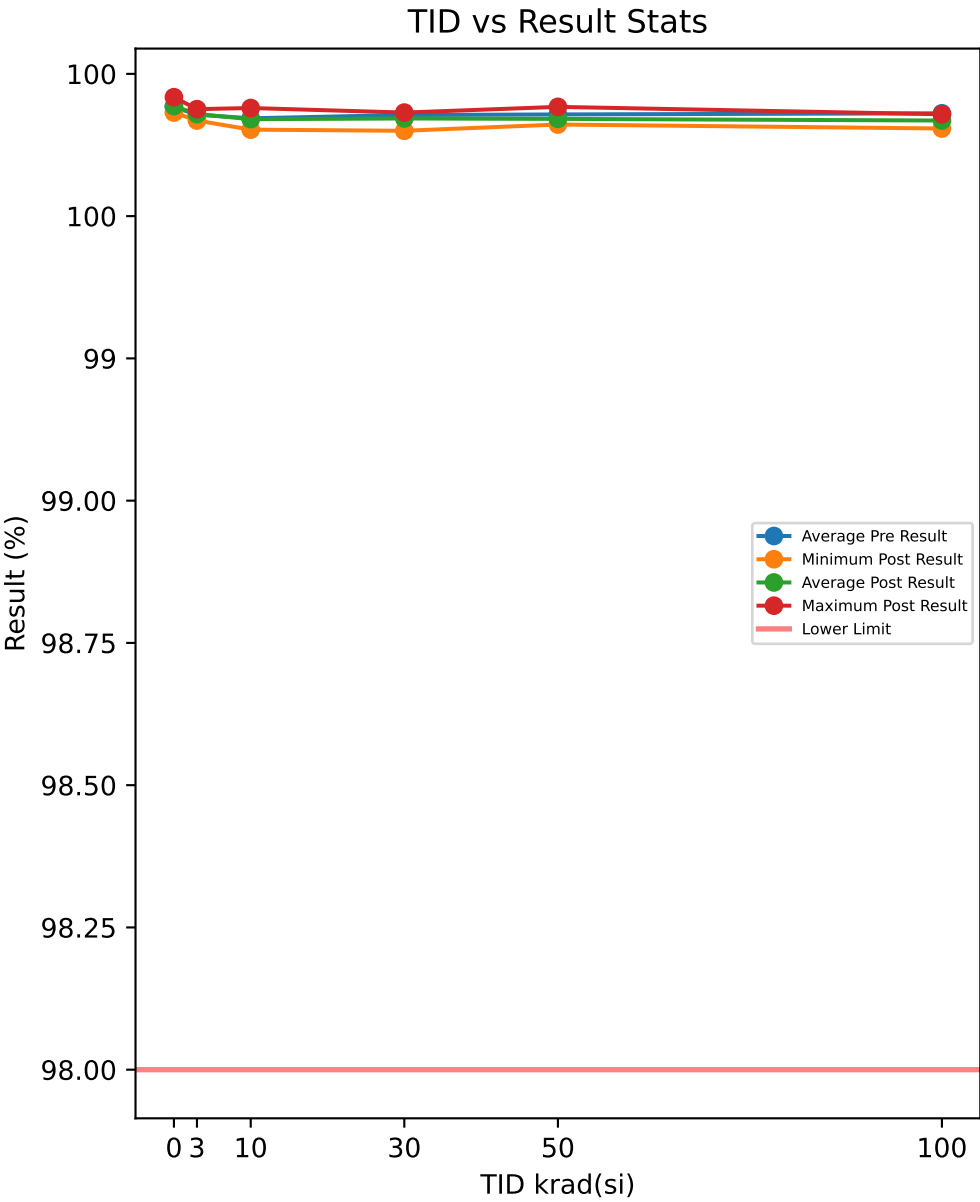
Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.568      | 0.561       | -0.007 |
| 301      | 0        | Correlation         | 0.563      | 0.558       | -0.005 |
| 302      | 0        | Correlation         | 0.564      | 0.559       | -0.005 |
| 303      | 3        | Bias                | 0.568      | 0.558       | -0.01  |
| 304      | 3        | Bias                | 0.575      | 0.565       | -0.01  |
| 305      | 3        | Bias                | 0.571      | 0.561       | -0.01  |
| 306      | 3        | Bias                | 0.571      | 0.563       | -0.008 |
| 307      | 3        | Bias                | 0.57       | 0.565       | -0.005 |
| 308      | 3        | Unbiased            | 0.575      | 0.57        | -0.005 |
| 309      | 3        | Unbiased            | 0.563      | 0.561       | -0.002 |
| 310      | 3        | Unbiased            | 0.569      | 0.568       | -0.001 |
| 311      | 3        | Unbiased            | 0.561      | 0.558       | -0.003 |
| 312      | 3        | Unbiased            | 0.558      | 0.556       | -0.002 |
| 313      | 10       | Bias                | 0.572      | 0.557       | -0.015 |
| 314      | 10       | Bias                | 0.564      | 0.548       | -0.016 |
| 315      | 10       | Bias                | 0.57       | 0.553       | -0.017 |
| 316      | 10       | Bias                | 0.567      | 0.562       | -0.005 |
| 317      | 10       | Bias                | 0.573      | 0.556       | -0.017 |
| 318      | 10       | Unbiased            | 0.559      | 0.554       | -0.005 |
| 319      | 10       | Unbiased            | 0.568      | 0.563       | -0.005 |
| 320      | 10       | Unbiased            | 0.566      | 0.565       | -0.001 |
| 321      | 10       | Unbiased            | 0.571      | 0.561       | -0.01  |
| 322      | 10       | Unbiased            | 0.567      | 0.562       | -0.005 |
| 323      | 30       | Bias                | 0.572      | 0.542       | -0.03  |
| 324      | 30       | Bias                | 0.568      | 0.539       | -0.029 |
| 325      | 30       | Bias                | 0.566      | 0.532       | -0.034 |
| 326      | 30       | Bias                | 0.563      | 0.53        | -0.033 |
| 327      | 30       | Bias                | 0.575      | 0.543       | -0.032 |
| 328      | 30       | Unbiased            | 0.564      | 0.555       | -0.009 |
| 329      | 30       | Unbiased            | 0.572      | 0.563       | -0.009 |
| 330      | 30       | Unbiased            | 0.563      | 0.554       | -0.009 |
| 331      | 30       | Unbiased            | 0.572      | 0.562       | -0.01  |
| 332      | 30       | Unbiased            | 0.57       | 0.561       | -0.009 |
| 333      | 50       | Bias                | 0.567      | 0.529       | -0.038 |
| 334      | 50       | Bias                | 0.564      | 0.524       | -0.04  |
| 335      | 50       | Bias                | 0.569      | 0.527       | -0.042 |
| 336      | 50       | Bias                | 0.573      | 0.53        | -0.043 |
| 337      | 50       | Bias                | 0.571      | 0.529       | -0.042 |
| 338      | 50       | Unbiased            | 0.566      | 0.554       | -0.012 |
| 339      | 50       | Unbiased            | 0.561      | 0.55        | -0.011 |
| 340      | 50       | Unbiased            | 0.565      | 0.552       | -0.013 |
| 341      | 50       | Unbiased            | 0.571      | 0.559       | -0.012 |
| 342      | 50       | Unbiased            | 0.564      | 0.552       | -0.012 |
| 343      | 100      | Bias                | 0.563      | 0.512       | -0.051 |
| 344      | 100      | Bias                | 0.57       | 0.516       | -0.054 |
| 345      | 100      | Bias                | 0.568      | 0.513       | -0.055 |
| 346      | 100      | Bias                | 0.575      | 0.518       | -0.057 |
| 347      | 100      | Bias                | 0.571      | 0.516       | -0.055 |
| 348      | 100      | Unbiased            | 0.562      | 0.546       | -0.016 |
| 349      | 100      | Unbiased            | 0.571      | 0.555       | -0.016 |
| 350      | 100      | Unbiased            | 0.562      | 0.544       | -0.018 |
| 351      | 100      | Unbiased            | 0.564      | 0.546       | -0.018 |
| 352      | 100      | Unbiased            | 0.558      | 0.541       | -0.017 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 0.563            | 0.565            | 0.568            | 0.0026458        | 0.558             | 0.55933           | 0.561             | 0.0015275         | -0.007    | -0.0056667 | -0.005    | 0.0011547 |
| 3        | 0.558            | 0.5681           | 0.575            | 0.0057242        | 0.556             | 0.5625            | 0.57              | 0.0045522         | -0.01     | -0.0056    | -0.001    | 0.0036271 |
| 10       | 0.559            | 0.5677           | 0.573            | 0.0041647        | 0.548             | 0.5581            | 0.565             | 0.0053841         | -0.017    | -0.0096    | -0.001    | 0.0061319 |
| 30       | 0.563            | 0.5685           | 0.575            | 0.0043269        | 0.53              | 0.5481            | 0.563             | 0.012458          | -0.034    | -0.0204    | -0.009    | 0.01189   |
| 50       | 0.561            | 0.5671           | 0.573            | 0.0038137        | 0.524             | 0.5406            | 0.559             | 0.013778          | -0.043    | -0.0265    | -0.011    | 0.01535   |
| 100      | 0.558            | 0.5664           | 0.575            | 0.0053583        | 0.512             | 0.5307            | 0.555             | 0.016991          | -0.057    | -0.0357    | -0.016    | 0.019777  |

Device Test: 6.8 ; VLDO\_DO

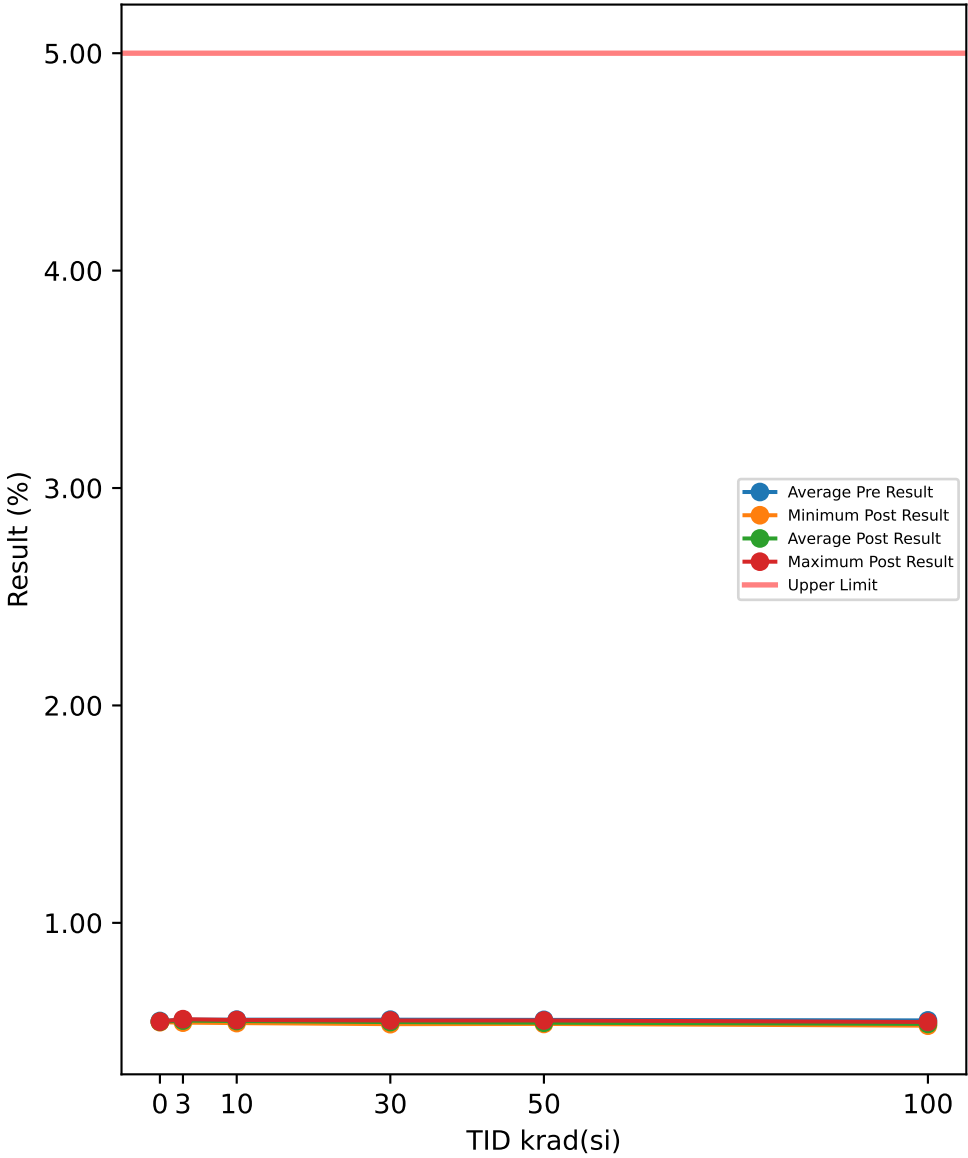


| Test Results (Lower Limit = 98.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 99.68      | 99.682      | 0.002  |
| 301                                   | 0        | Correlation         | 99.707     | 99.709      | 0.002  |
| 302                                   | 0        | Correlation         | 99.688     | 99.689      | 0.001  |
| 303                                   | 3        | Bias                | 99.681     | 99.68       | -0.001 |
| 304                                   | 3        | Bias                | 99.67      | 99.675      | 0.005  |
| 305                                   | 3        | Bias                | 99.667     | 99.668      | 0.001  |
| 306                                   | 3        | Bias                | 99.689     | 99.688      | -0.001 |
| 307                                   | 3        | Bias                | 99.673     | 99.675      | 0.002  |
| 308                                   | 3        | Unbiased            | 99.672     | 99.675      | 0.003  |
| 309                                   | 3        | Unbiased            | 99.687     | 99.688      | 0.001  |
| 310                                   | 3        | Unbiased            | 99.685     | 99.684      | -0.001 |
| 311                                   | 3        | Unbiased            | 99.68      | 99.681      | 0.001  |
| 312                                   | 3        | Unbiased            | 99.68      | 99.679      | -0.001 |
| 313                                   | 10       | Bias                | 99.696     | 99.69       | -0.006 |
| 314                                   | 10       | Bias                | 99.662     | 99.662      | 0      |
| 315                                   | 10       | Bias                | 99.658     | 99.653      | -0.005 |
| 316                                   | 10       | Bias                | 99.679     | 99.68       | 0.001  |
| 317                                   | 10       | Bias                | 99.683     | 99.684      | 0.001  |
| 318                                   | 10       | Unbiased            | 99.67      | 99.669      | -0.001 |
| 319                                   | 10       | Unbiased            | 99.655     | 99.652      | -0.003 |
| 320                                   | 10       | Unbiased            | 99.683     | 99.665      | -0.018 |
| 321                                   | 10       | Unbiased            | 99.666     | 99.682      | 0.016  |
| 322                                   | 10       | Unbiased            | 99.667     | 99.667      | 0      |
| 323                                   | 30       | Bias                | 99.689     | 99.68       | -0.009 |
| 324                                   | 30       | Bias                | 99.675     | 99.682      | 0.007  |
| 325                                   | 30       | Bias                | 99.668     | 99.663      | -0.005 |
| 326                                   | 30       | Bias                | 99.657     | 99.65       | -0.007 |
| 327                                   | 30       | Bias                | 99.671     | 99.666      | -0.005 |
| 328                                   | 30       | Unbiased            | 99.679     | 99.671      | -0.008 |
| 329                                   | 30       | Unbiased            | 99.693     | 99.682      | -0.011 |
| 330                                   | 30       | Unbiased            | 99.685     | 99.677      | -0.008 |
| 331                                   | 30       | Unbiased            | 99.687     | 99.678      | -0.009 |
| 332                                   | 30       | Unbiased            | 99.673     | 99.667      | -0.006 |
| 333                                   | 50       | Bias                | 99.672     | 99.661      | -0.011 |
| 334                                   | 50       | Bias                | 99.67      | 99.663      | -0.007 |
| 335                                   | 50       | Bias                | 99.689     | 99.675      | -0.014 |
| 336                                   | 50       | Bias                | 99.675     | 99.671      | -0.004 |
| 337                                   | 50       | Bias                | 99.678     | 99.669      | -0.009 |
| 338                                   | 50       | Unbiased            | 99.678     | 99.671      | -0.007 |
| 339                                   | 50       | Unbiased            | 99.697     | 99.692      | -0.005 |
| 340                                   | 50       | Unbiased            | 99.676     | 99.662      | -0.014 |
| 341                                   | 50       | Unbiased            | 99.671     | 99.673      | 0.002  |
| 342                                   | 50       | Unbiased            | 99.681     | 99.672      | -0.009 |
| 343                                   | 100      | Bias                | 99.677     | 99.667      | -0.01  |
| 344                                   | 100      | Bias                | 99.671     | 99.654      | -0.017 |
| 345                                   | 100      | Bias                | 99.68      | 99.679      | -0.001 |
| 346                                   | 100      | Bias                | 99.688     | 99.669      | -0.019 |
| 347                                   | 100      | Bias                | 99.672     | 99.667      | -0.005 |
| 348                                   | 100      | Unbiased            | 99.682     | 99.665      | -0.017 |
| 349                                   | 100      | Unbiased            | 99.681     | 99.669      | -0.012 |
| 350                                   | 100      | Unbiased            | 99.692     | 99.679      | -0.013 |
| 351                                   | 100      | Unbiased            | 99.672     | 99.654      | -0.018 |
| 352                                   | 100      | Unbiased            | 99.692     | 99.677      | -0.015 |

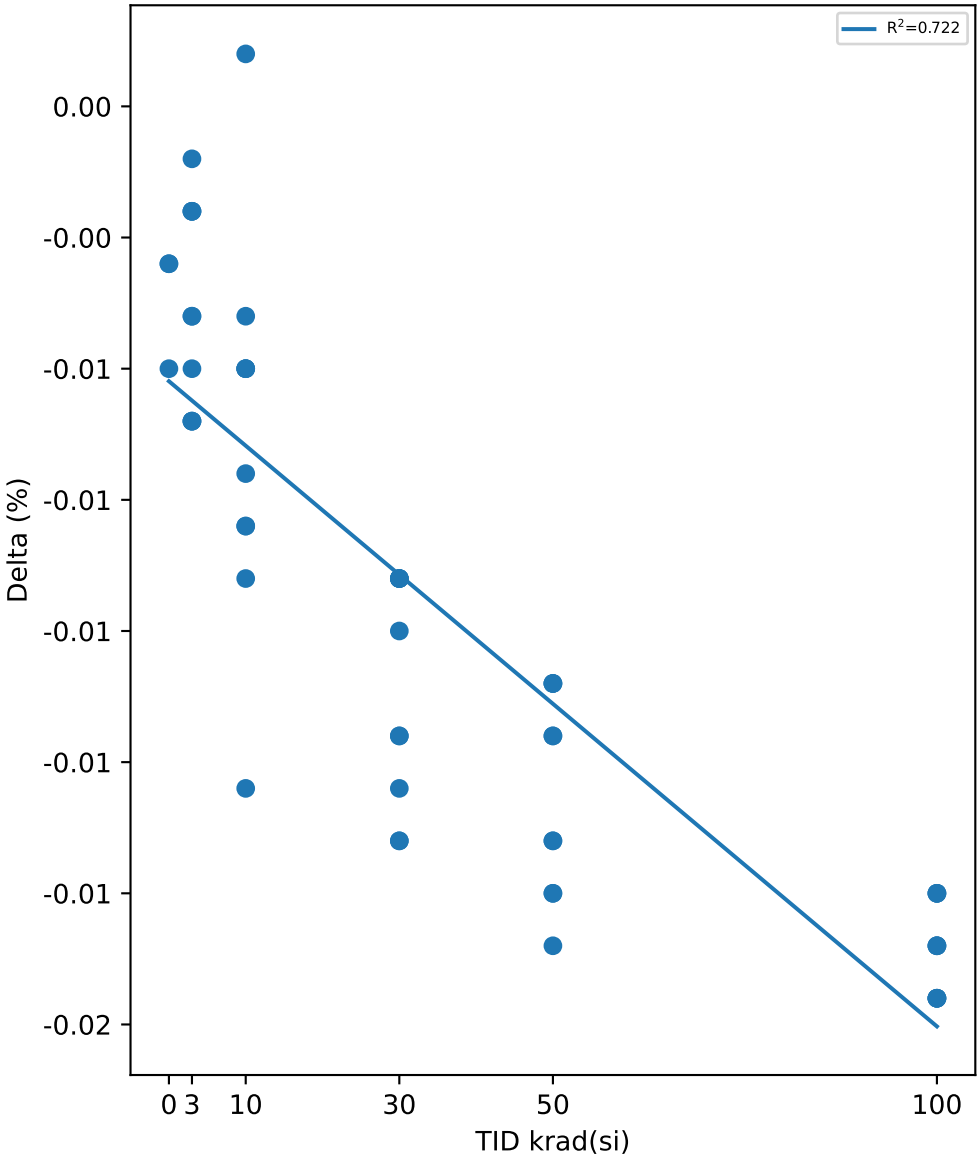
Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| 0        | 99.68            | 99.692           | 99.707           | 0.013868         | 99.682            | 99.693            | 99.709            | 0.014012          | 0.001     | 0.0016667 | 0.002     | 0.00057735 |
| 3        | 99.667           | 99.678           | 99.689           | 0.0075454        | 99.668            | 99.679            | 99.688            | 0.0063254         | -0.001    | 0.0009    | 0.005     | 0.0020248  |
| 10       | 99.655           | 99.672           | 99.696           | 0.012982         | 99.652            | 99.67             | 99.69             | 0.013125          | -0.018    | -0.0015   | 0.016     | 0.0083699  |
| 30       | 99.657           | 99.678           | 99.693           | 0.011056         | 99.65             | 99.672            | 99.682            | 0.010276          | -0.011    | -0.0061   | 0.007     | 0.0049766  |
| 50       | 99.67            | 99.679           | 99.697           | 0.0084859        | 99.661            | 99.671            | 99.692            | 0.0088876         | -0.014    | -0.0078   | 0.002     | 0.0048259  |
| 100      | 99.671           | 99.681           | 99.692           | 0.0079589        | 99.654            | 99.668            | 99.679            | 0.0089938         | -0.019    | -0.0127   | -0.001    | 0.0059076  |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



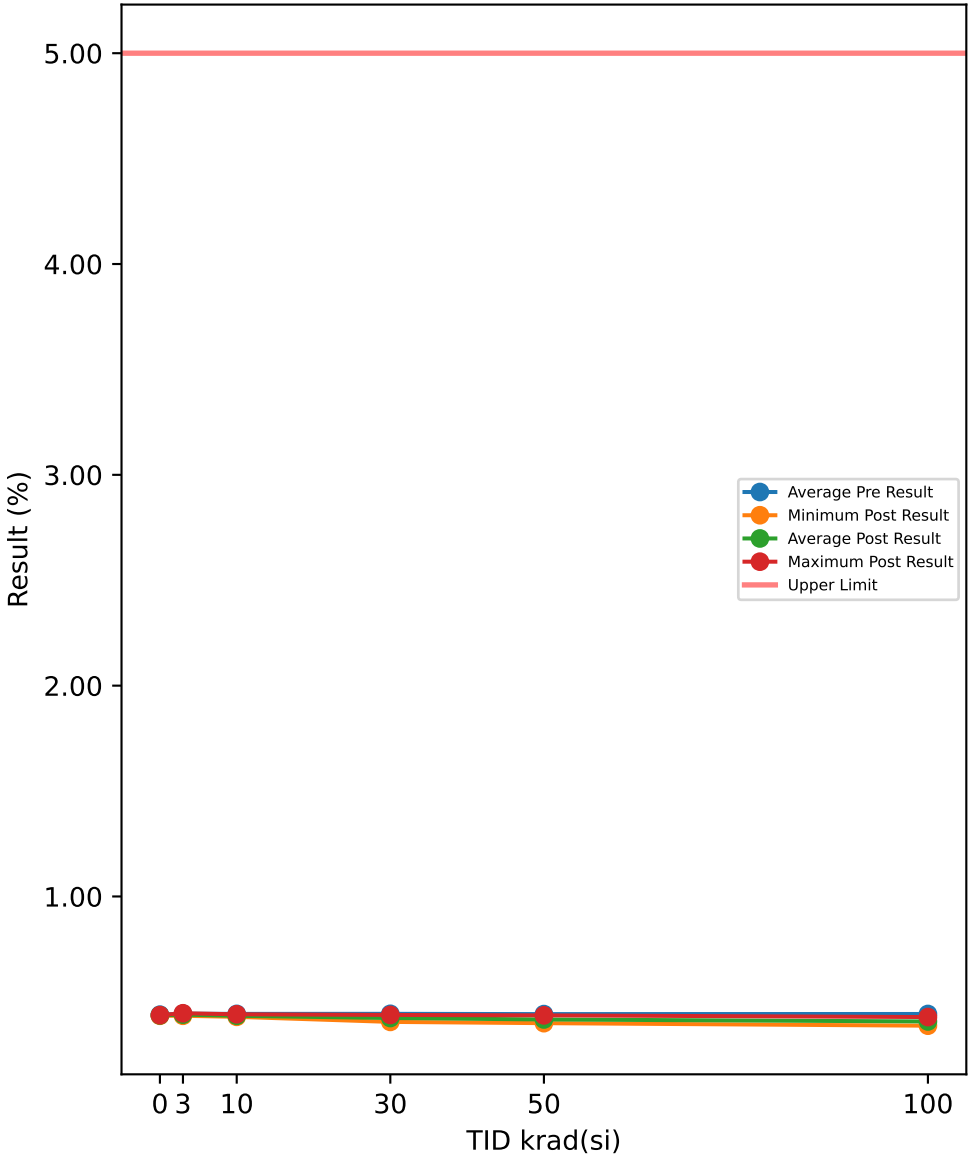
Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.551      | 0.546       | -0.005 |
| 301      | 0        | Correlation         | 0.546      | 0.543       | -0.003 |
| 302      | 0        | Correlation         | 0.549      | 0.546       | -0.003 |
| 303      | 3        | Bias                | 0.553      | 0.547       | -0.006 |
| 304      | 3        | Bias                | 0.563      | 0.557       | -0.006 |
| 305      | 3        | Bias                | 0.559      | 0.553       | -0.006 |
| 306      | 3        | Bias                | 0.556      | 0.551       | -0.005 |
| 307      | 3        | Bias                | 0.557      | 0.553       | -0.004 |
| 308      | 3        | Unbiased            | 0.56       | 0.556       | -0.004 |
| 309      | 3        | Unbiased            | 0.549      | 0.547       | -0.002 |
| 310      | 3        | Unbiased            | 0.556      | 0.555       | -0.001 |
| 311      | 3        | Unbiased            | 0.546      | 0.544       | -0.002 |
| 312      | 3        | Unbiased            | 0.543      | 0.541       | -0.002 |
| 313      | 10       | Bias                | 0.559      | 0.552       | -0.007 |
| 314      | 10       | Bias                | 0.55       | 0.542       | -0.008 |
| 315      | 10       | Bias                | 0.558      | 0.55        | -0.008 |
| 316      | 10       | Bias                | 0.552      | 0.547       | -0.005 |
| 317      | 10       | Bias                | 0.562      | 0.553       | -0.009 |
| 318      | 10       | Unbiased            | 0.544      | 0.539       | -0.005 |
| 319      | 10       | Unbiased            | 0.555      | 0.551       | -0.004 |
| 320      | 10       | Unbiased            | 0.552      | 0.553       | 0.001  |
| 321      | 10       | Unbiased            | 0.559      | 0.546       | -0.013 |
| 322      | 10       | Unbiased            | 0.557      | 0.552       | -0.005 |
| 323      | 30       | Bias                | 0.559      | 0.547       | -0.012 |
| 324      | 30       | Bias                | 0.554      | 0.542       | -0.012 |
| 325      | 30       | Bias                | 0.552      | 0.538       | -0.014 |
| 326      | 30       | Bias                | 0.547      | 0.534       | -0.013 |
| 327      | 30       | Bias                | 0.564      | 0.55        | -0.014 |
| 328      | 30       | Unbiased            | 0.549      | 0.54        | -0.009 |
| 329      | 30       | Unbiased            | 0.56       | 0.551       | -0.009 |
| 330      | 30       | Unbiased            | 0.548      | 0.539       | -0.009 |
| 331      | 30       | Unbiased            | 0.558      | 0.548       | -0.01  |
| 332      | 30       | Unbiased            | 0.556      | 0.547       | -0.009 |
| 333      | 50       | Bias                | 0.553      | 0.539       | -0.014 |
| 334      | 50       | Bias                | 0.55       | 0.536       | -0.014 |
| 335      | 50       | Bias                | 0.557      | 0.542       | -0.015 |
| 336      | 50       | Bias                | 0.559      | 0.544       | -0.015 |
| 337      | 50       | Bias                | 0.557      | 0.541       | -0.016 |
| 338      | 50       | Unbiased            | 0.551      | 0.54        | -0.011 |
| 339      | 50       | Unbiased            | 0.546      | 0.535       | -0.011 |
| 340      | 50       | Unbiased            | 0.553      | 0.541       | -0.012 |
| 341      | 50       | Unbiased            | 0.563      | 0.551       | -0.012 |
| 342      | 50       | Unbiased            | 0.549      | 0.538       | -0.011 |
| 343      | 100      | Bias                | 0.547      | 0.531       | -0.016 |
| 344      | 100      | Bias                | 0.556      | 0.539       | -0.017 |
| 345      | 100      | Bias                | 0.556      | 0.539       | -0.017 |
| 346      | 100      | Bias                | 0.557      | 0.54        | -0.017 |
| 347      | 100      | Bias                | 0.552      | 0.536       | -0.016 |
| 348      | 100      | Unbiased            | 0.549      | 0.534       | -0.015 |
| 349      | 100      | Unbiased            | 0.559      | 0.544       | -0.015 |
| 350      | 100      | Unbiased            | 0.547      | 0.53        | -0.017 |
| 351      | 100      | Unbiased            | 0.549      | 0.533       | -0.016 |
| 352      | 100      | Unbiased            | 0.542      | 0.527       | -0.015 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 0.546            | 0.54867          | 0.551            | 0.0025166        | 0.543             | 0.545             | 0.546             | 0.0017321         | -0.005    | -0.0036667 | -0.003    | 0.0011547 |
| 3        | 0.543            | 0.5542           | 0.563            | 0.0064083        | 0.541             | 0.5504            | 0.557             | 0.0053996         | -0.006    | -0.0038    | -0.001    | 0.0019322 |
| 10       | 0.544            | 0.5548           | 0.562            | 0.00535          | 0.539             | 0.5485            | 0.553             | 0.0048819         | -0.013    | -0.0063    | 0.001     | 0.0036833 |
| 30       | 0.547            | 0.5547           | 0.564            | 0.0056774        | 0.534             | 0.5436            | 0.551             | 0.0057581         | -0.014    | -0.0111    | -0.009    | 0.0021318 |
| 50       | 0.546            | 0.5538           | 0.563            | 0.0051597        | 0.535             | 0.5407            | 0.551             | 0.0045228         | -0.016    | -0.0131    | -0.011    | 0.001912  |
| 100      | 0.542            | 0.5514           | 0.559            | 0.0054813        | 0.527             | 0.5353            | 0.544             | 0.0052504         | -0.017    | -0.0161    | -0.015    | 0.0008756 |

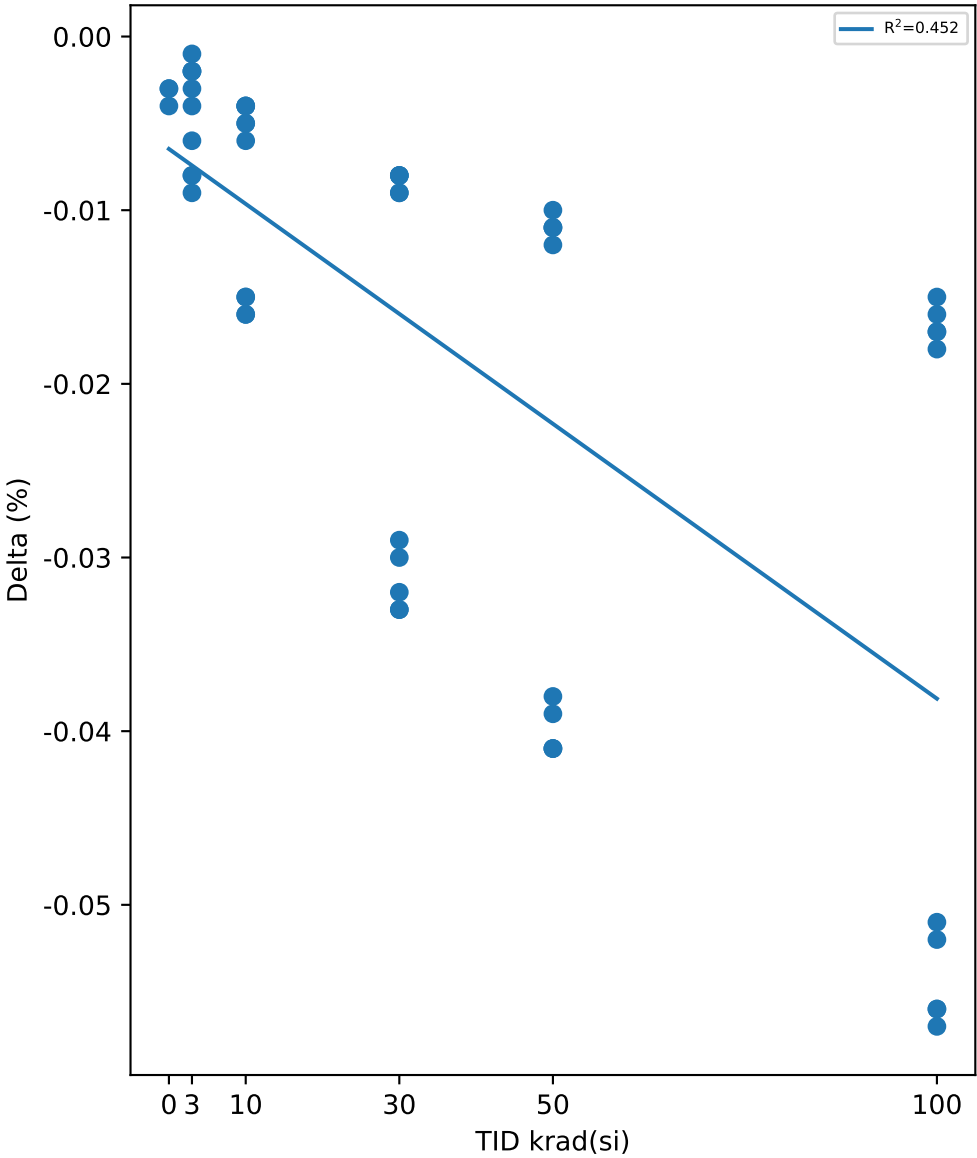
TID vs Result Stats



Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.441      | 0.437       | -0.004 |
| 301      | 0        | Correlation         | 0.437      | 0.434       | -0.003 |
| 302      | 0        | Correlation         | 0.44       | 0.437       | -0.003 |
| 303      | 3        | Bias                | 0.447      | 0.439       | -0.008 |
| 304      | 3        | Bias                | 0.449      | 0.441       | -0.008 |
| 305      | 3        | Bias                | 0.446      | 0.437       | -0.009 |
| 306      | 3        | Bias                | 0.44       | 0.434       | -0.006 |
| 307      | 3        | Bias                | 0.448      | 0.444       | -0.004 |
| 308      | 3        | Unbiased            | 0.449      | 0.446       | -0.003 |
| 309      | 3        | Unbiased            | 0.441      | 0.439       | -0.002 |
| 310      | 3        | Unbiased            | 0.445      | 0.444       | -0.001 |
| 311      | 3        | Unbiased            | 0.437      | 0.435       | -0.002 |
| 312      | 3        | Unbiased            | 0.437      | 0.435       | -0.002 |
| 313      | 10       | Bias                | 0.444      | 0.429       | -0.015 |
| 314      | 10       | Bias                | 0.446      | 0.431       | -0.015 |
| 315      | 10       | Bias                | 0.446      | 0.43        | -0.016 |
| 316      | 10       | Bias                | 0.439      | 0.435       | -0.004 |
| 317      | 10       | Bias                | 0.445      | 0.429       | -0.016 |
| 318      | 10       | Unbiased            | 0.44       | 0.436       | -0.004 |
| 319      | 10       | Unbiased            | 0.446      | 0.441       | -0.005 |
| 320      | 10       | Unbiased            | 0.439      | 0.435       | -0.004 |
| 321      | 10       | Unbiased            | 0.44       | 0.434       | -0.006 |
| 322      | 10       | Unbiased            | 0.445      | 0.44        | -0.005 |
| 323      | 30       | Bias                | 0.451      | 0.421       | -0.03  |
| 324      | 30       | Bias                | 0.442      | 0.413       | -0.029 |
| 325      | 30       | Bias                | 0.445      | 0.412       | -0.033 |
| 326      | 30       | Bias                | 0.437      | 0.405       | -0.032 |
| 327      | 30       | Bias                | 0.451      | 0.418       | -0.033 |
| 328      | 30       | Unbiased            | 0.439      | 0.431       | -0.008 |
| 329      | 30       | Unbiased            | 0.443      | 0.435       | -0.008 |
| 330      | 30       | Unbiased            | 0.439      | 0.43        | -0.009 |
| 331      | 30       | Unbiased            | 0.44       | 0.431       | -0.009 |
| 332      | 30       | Unbiased            | 0.446      | 0.438       | -0.008 |
| 333      | 50       | Bias                | 0.437      | 0.399       | -0.038 |
| 334      | 50       | Bias                | 0.441      | 0.402       | -0.039 |
| 335      | 50       | Bias                | 0.444      | 0.403       | -0.041 |
| 336      | 50       | Bias                | 0.443      | 0.402       | -0.041 |
| 337      | 50       | Bias                | 0.443      | 0.402       | -0.041 |
| 338      | 50       | Unbiased            | 0.44       | 0.429       | -0.011 |
| 339      | 50       | Unbiased            | 0.437      | 0.427       | -0.01  |
| 340      | 50       | Unbiased            | 0.446      | 0.434       | -0.012 |
| 341      | 50       | Unbiased            | 0.447      | 0.436       | -0.011 |
| 342      | 50       | Unbiased            | 0.442      | 0.431       | -0.011 |
| 343      | 100      | Bias                | 0.438      | 0.387       | -0.051 |
| 344      | 100      | Bias                | 0.442      | 0.39        | -0.052 |
| 345      | 100      | Bias                | 0.447      | 0.391       | -0.056 |
| 346      | 100      | Bias                | 0.449      | 0.392       | -0.057 |
| 347      | 100      | Bias                | 0.445      | 0.389       | -0.056 |
| 348      | 100      | Unbiased            | 0.44       | 0.424       | -0.016 |
| 349      | 100      | Unbiased            | 0.443      | 0.428       | -0.015 |
| 350      | 100      | Unbiased            | 0.442      | 0.424       | -0.018 |
| 351      | 100      | Unbiased            | 0.442      | 0.425       | -0.017 |
| 352      | 100      | Unbiased            | 0.438      | 0.421       | -0.017 |

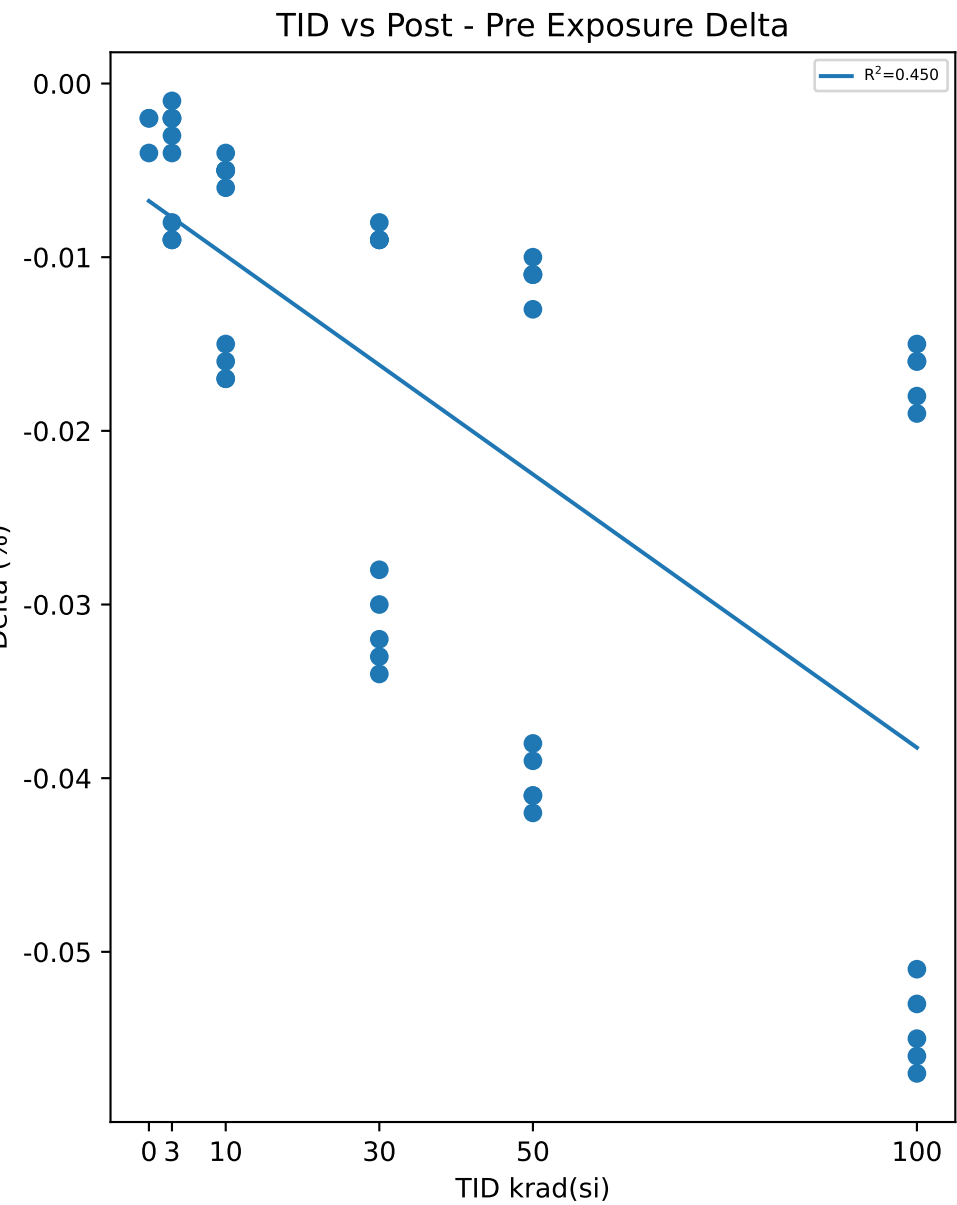
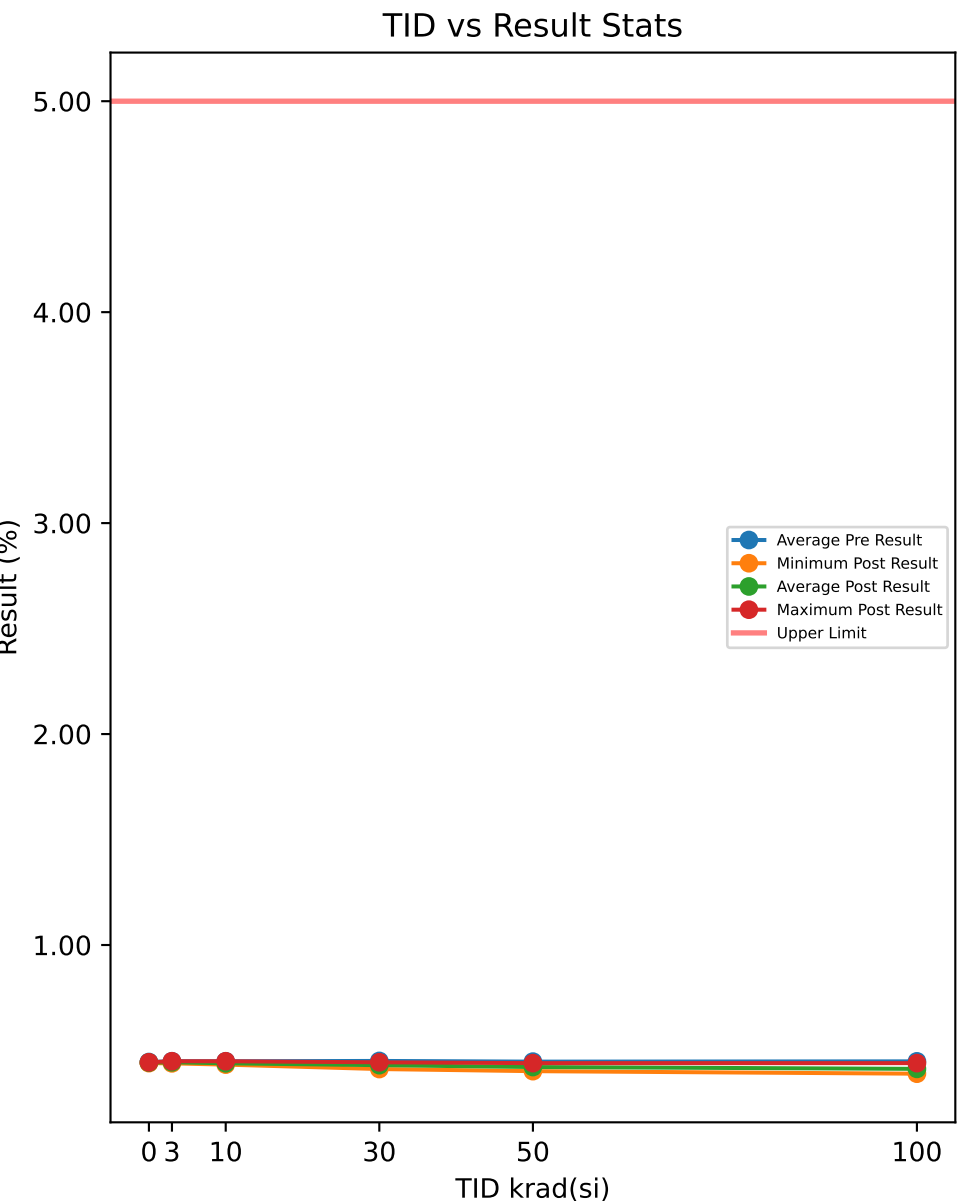
TID vs Post - Pre Exposure Delta



Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|------------|
| 0        | 0.437            | 0.43933          | 0.441            | 0.0020817        | 0.434             | 0.436             | 0.437             | 0.0017321         | -0.004    | -0.0033333 | -0.003    | 0.00057735 |
| 3        | 0.437            | 0.4439           | 0.449            | 0.0047481        | 0.434             | 0.4394            | 0.446             | 0.0042479         | -0.009    | -0.0045    | -0.001    | 0.0029907  |
| 10       | 0.439            | 0.443            | 0.446            | 0.0030912        | 0.429             | 0.434             | 0.441             | 0.0042947         | -0.016    | -0.009     | -0.004    | 0.0056372  |
| 30       | 0.437            | 0.4433           | 0.451            | 0.0049227        | 0.405             | 0.4234            | 0.438             | 0.011147          | -0.033    | -0.0199    | -0.008    | 0.012188   |
| 50       | 0.437            | 0.442            | 0.447            | 0.0033665        | 0.399             | 0.4165            | 0.436             | 0.015925          | -0.041    | -0.0255    | -0.01     | 0.015321   |
| 100      | 0.438            | 0.4426           | 0.449            | 0.0035963        | 0.387             | 0.4071            | 0.428             | 0.018357          | -0.057    | -0.0355    | -0.015    | 0.020018   |

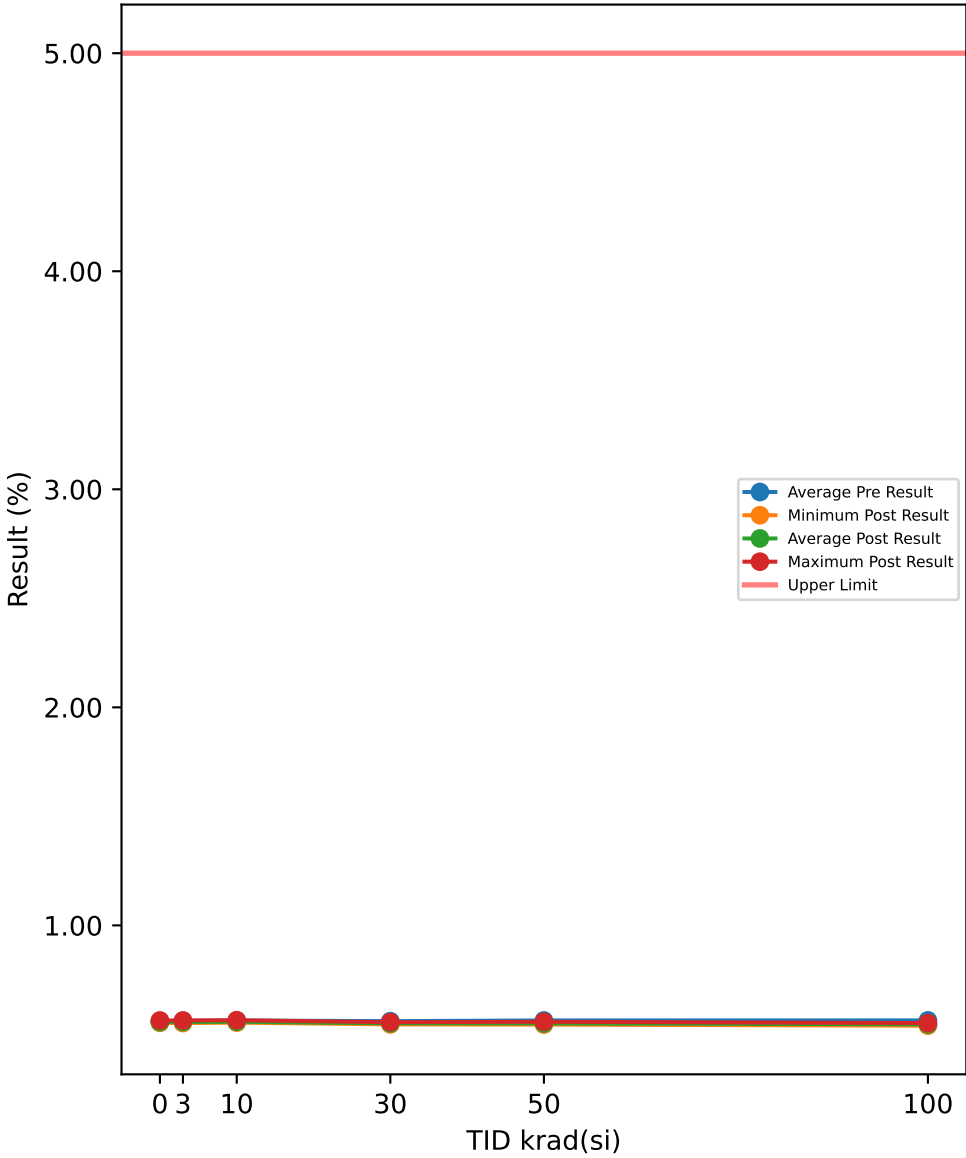




| Test Results (Upper Limit = 5.0 (%)) |          |                     |            |             |        |
|--------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                             | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                  | 0        | Correlation         | 0.448      | 0.444       | -0.004 |
| 301                                  | 0        | Correlation         | 0.442      | 0.44        | -0.002 |
| 302                                  | 0        | Correlation         | 0.446      | 0.444       | -0.002 |
| 303                                  | 3        | Bias                | 0.452      | 0.443       | -0.009 |
| 304                                  | 3        | Bias                | 0.453      | 0.444       | -0.009 |
| 305                                  | 3        | Bias                | 0.453      | 0.444       | -0.009 |
| 306                                  | 3        | Bias                | 0.45       | 0.442       | -0.008 |
| 307                                  | 3        | Bias                | 0.453      | 0.449       | -0.004 |
| 308                                  | 3        | Unbiased            | 0.452      | 0.449       | -0.003 |
| 309                                  | 3        | Unbiased            | 0.446      | 0.444       | -0.002 |
| 310                                  | 3        | Unbiased            | 0.448      | 0.447       | -0.001 |
| 311                                  | 3        | Unbiased            | 0.442      | 0.44        | -0.002 |
| 312                                  | 3        | Unbiased            | 0.441      | 0.439       | -0.002 |
| 313                                  | 10       | Bias                | 0.452      | 0.437       | -0.015 |
| 314                                  | 10       | Bias                | 0.449      | 0.433       | -0.016 |
| 315                                  | 10       | Bias                | 0.451      | 0.434       | -0.017 |
| 316                                  | 10       | Bias                | 0.446      | 0.441       | -0.005 |
| 317                                  | 10       | Bias                | 0.452      | 0.435       | -0.017 |
| 318                                  | 10       | Unbiased            | 0.441      | 0.437       | -0.004 |
| 319                                  | 10       | Unbiased            | 0.454      | 0.449       | -0.005 |
| 320                                  | 10       | Unbiased            | 0.446      | 0.441       | -0.005 |
| 321                                  | 10       | Unbiased            | 0.447      | 0.441       | -0.006 |
| 322                                  | 10       | Unbiased            | 0.45       | 0.445       | -0.005 |
| 323                                  | 30       | Bias                | 0.458      | 0.428       | -0.03  |
| 324                                  | 30       | Bias                | 0.449      | 0.421       | -0.028 |
| 325                                  | 30       | Bias                | 0.448      | 0.415       | -0.033 |
| 326                                  | 30       | Bias                | 0.444      | 0.412       | -0.032 |
| 327                                  | 30       | Bias                | 0.461      | 0.427       | -0.034 |
| 328                                  | 30       | Unbiased            | 0.447      | 0.438       | -0.009 |
| 329                                  | 30       | Unbiased            | 0.451      | 0.443       | -0.008 |
| 330                                  | 30       | Unbiased            | 0.446      | 0.437       | -0.009 |
| 331                                  | 30       | Unbiased            | 0.448      | 0.439       | -0.009 |
| 332                                  | 30       | Unbiased            | 0.453      | 0.444       | -0.009 |
| 333                                  | 50       | Bias                | 0.44       | 0.402       | -0.038 |
| 334                                  | 50       | Bias                | 0.447      | 0.408       | -0.039 |
| 335                                  | 50       | Bias                | 0.448      | 0.407       | -0.041 |
| 336                                  | 50       | Bias                | 0.45       | 0.409       | -0.041 |
| 337                                  | 50       | Bias                | 0.449      | 0.407       | -0.042 |
| 338                                  | 50       | Unbiased            | 0.447      | 0.436       | -0.011 |
| 339                                  | 50       | Unbiased            | 0.445      | 0.435       | -0.01  |
| 340                                  | 50       | Unbiased            | 0.45       | 0.437       | -0.013 |
| 341                                  | 50       | Unbiased            | 0.451      | 0.44        | -0.011 |
| 342                                  | 50       | Unbiased            | 0.445      | 0.434       | -0.011 |
| 343                                  | 100      | Bias                | 0.441      | 0.39        | -0.051 |
| 344                                  | 100      | Bias                | 0.449      | 0.396       | -0.053 |
| 345                                  | 100      | Bias                | 0.449      | 0.394       | -0.055 |
| 346                                  | 100      | Bias                | 0.455      | 0.398       | -0.057 |
| 347                                  | 100      | Bias                | 0.451      | 0.395       | -0.056 |
| 348                                  | 100      | Unbiased            | 0.444      | 0.429       | -0.015 |
| 349                                  | 100      | Unbiased            | 0.456      | 0.44        | -0.016 |
| 350                                  | 100      | Unbiased            | 0.45       | 0.431       | -0.019 |
| 351                                  | 100      | Unbiased            | 0.45       | 0.432       | -0.018 |
| 352                                  | 100      | Unbiased            | 0.44       | 0.424       | -0.016 |

| Test Statistics (%) |                  |                  |                  |                  |                   |                   |                   |                   |           |            |           |           |
|---------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| krad(si)            | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
| 0                   | 0.442            | 0.44533          | 0.448            | 0.0030551        | 0.44              | 0.44267           | 0.444             | 0.0023094         | -0.004    | -0.0026667 | -0.002    | 0.0011547 |
| 3                   | 0.441            | 0.449            | 0.453            | 0.0045947        | 0.439             | 0.4441            | 0.449             | 0.003414          | -0.009    | -0.0049    | -0.001    | 0.003414  |
| 10                  | 0.441            | 0.4488           | 0.454            | 0.0038528        | 0.433             | 0.4393            | 0.449             | 0.0050783         | -0.017    | -0.0095    | -0.004    | 0.0058547 |
| 30                  | 0.444            | 0.4505           | 0.461            | 0.0054006        | 0.412             | 0.4304            | 0.444             | 0.011549          | -0.034    | -0.0201    | -0.008    | 0.012023  |
| 50                  | 0.44             | 0.4472           | 0.451            | 0.0032592        | 0.402             | 0.4215            | 0.44              | 0.015883          | -0.042    | -0.0257    | -0.01     | 0.015341  |
| 100                 | 0.44             | 0.4485           | 0.456            | 0.0053593        | 0.39              | 0.4129            | 0.44              | 0.019773          | -0.057    | -0.0356    | -0.015    | 0.019912  |

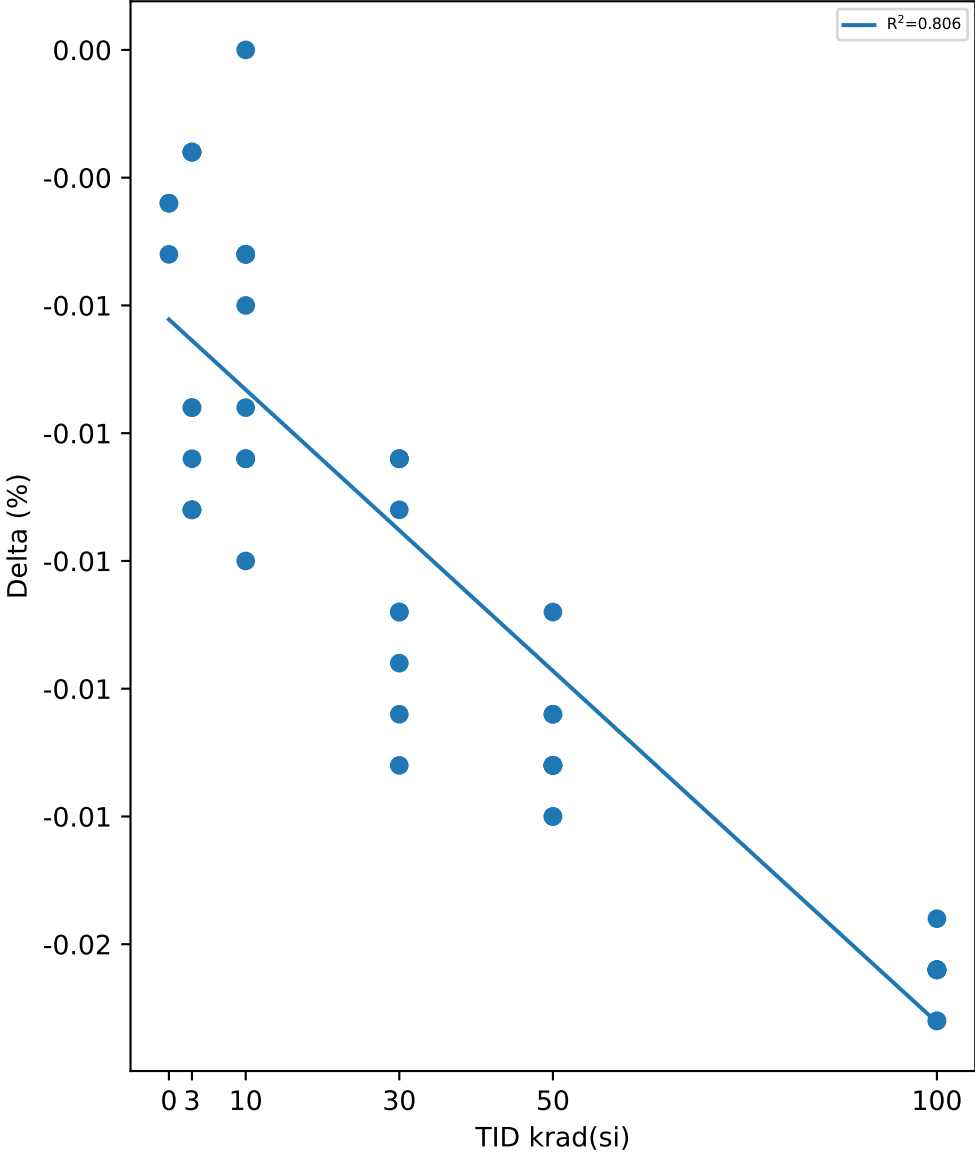
TID vs Result Stats



Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.557      | 0.553       | -0.004 |
| 301      | 0        | Correlation         | 0.556      | 0.553       | -0.003 |
| 302      | 0        | Correlation         | 0.567      | 0.564       | -0.003 |
| 303      | 3        | Bias                | 0.563      | 0.554       | -0.009 |
| 304      | 3        | Bias                | 0.573      | 0.564       | -0.009 |
| 305      | 3        | Bias                | 0.565      | 0.556       | -0.009 |
| 306      | 3        | Bias                | 0.565      | 0.557       | -0.008 |
| 307      | 3        | Bias                | 0.563      | 0.556       | -0.007 |
| 308      | 3        | Unbiased            | 0.563      | 0.556       | -0.007 |
| 309      | 3        | Unbiased            | 0.564      | 0.562       | -0.002 |
| 310      | 3        | Unbiased            | 0.558      | 0.556       | -0.002 |
| 311      | 3        | Unbiased            | 0.554      | 0.552       | -0.002 |
| 312      | 3        | Unbiased            | 0.555      | 0.553       | -0.002 |
| 313      | 10       | Bias                | 0.563      | 0.556       | -0.007 |
| 314      | 10       | Bias                | 0.566      | 0.558       | -0.008 |
| 315      | 10       | Bias                | 0.562      | 0.554       | -0.008 |
| 316      | 10       | Bias                | 0.563      | 0.559       | -0.004 |
| 317      | 10       | Bias                | 0.563      | 0.555       | -0.008 |
| 318      | 10       | Unbiased            | 0.561      | 0.557       | -0.004 |
| 319      | 10       | Unbiased            | 0.558      | 0.554       | -0.004 |
| 320      | 10       | Unbiased            | 0.568      | 0.558       | -0.01  |
| 321      | 10       | Unbiased            | 0.563      | 0.563       | 0      |
| 322      | 10       | Unbiased            | 0.57       | 0.565       | -0.005 |
| 323      | 30       | Bias                | 0.56       | 0.549       | -0.011 |
| 324      | 30       | Bias                | 0.559      | 0.548       | -0.011 |
| 325      | 30       | Bias                | 0.567      | 0.553       | -0.014 |
| 326      | 30       | Bias                | 0.558      | 0.546       | -0.012 |
| 327      | 30       | Bias                | 0.564      | 0.551       | -0.013 |
| 328      | 30       | Unbiased            | 0.556      | 0.548       | -0.008 |
| 329      | 30       | Unbiased            | 0.564      | 0.556       | -0.008 |
| 330      | 30       | Unbiased            | 0.559      | 0.551       | -0.008 |
| 331      | 30       | Unbiased            | 0.562      | 0.553       | -0.009 |
| 332      | 30       | Unbiased            | 0.56       | 0.552       | -0.008 |
| 333      | 50       | Bias                | 0.56       | 0.547       | -0.013 |
| 334      | 50       | Bias                | 0.565      | 0.551       | -0.014 |
| 335      | 50       | Bias                | 0.56       | 0.546       | -0.014 |
| 336      | 50       | Bias                | 0.563      | 0.548       | -0.015 |
| 337      | 50       | Bias                | 0.57       | 0.555       | -0.015 |
| 338      | 50       | Unbiased            | 0.56       | 0.549       | -0.011 |
| 339      | 50       | Unbiased            | 0.558      | 0.545       | -0.013 |
| 340      | 50       | Unbiased            | 0.565      | 0.551       | -0.014 |
| 341      | 50       | Unbiased            | 0.568      | 0.554       | -0.014 |
| 342      | 50       | Unbiased            | 0.572      | 0.558       | -0.014 |
| 343      | 100      | Bias                | 0.562      | 0.544       | -0.018 |
| 344      | 100      | Bias                | 0.565      | 0.547       | -0.018 |
| 345      | 100      | Bias                | 0.563      | 0.545       | -0.018 |
| 346      | 100      | Bias                | 0.569      | 0.55        | -0.019 |
| 347      | 100      | Bias                | 0.566      | 0.548       | -0.018 |
| 348      | 100      | Unbiased            | 0.57       | 0.552       | -0.018 |
| 349      | 100      | Unbiased            | 0.565      | 0.548       | -0.017 |
| 350      | 100      | Unbiased            | 0.559      | 0.54        | -0.019 |
| 351      | 100      | Unbiased            | 0.565      | 0.547       | -0.018 |
| 352      | 100      | Unbiased            | 0.559      | 0.541       | -0.018 |

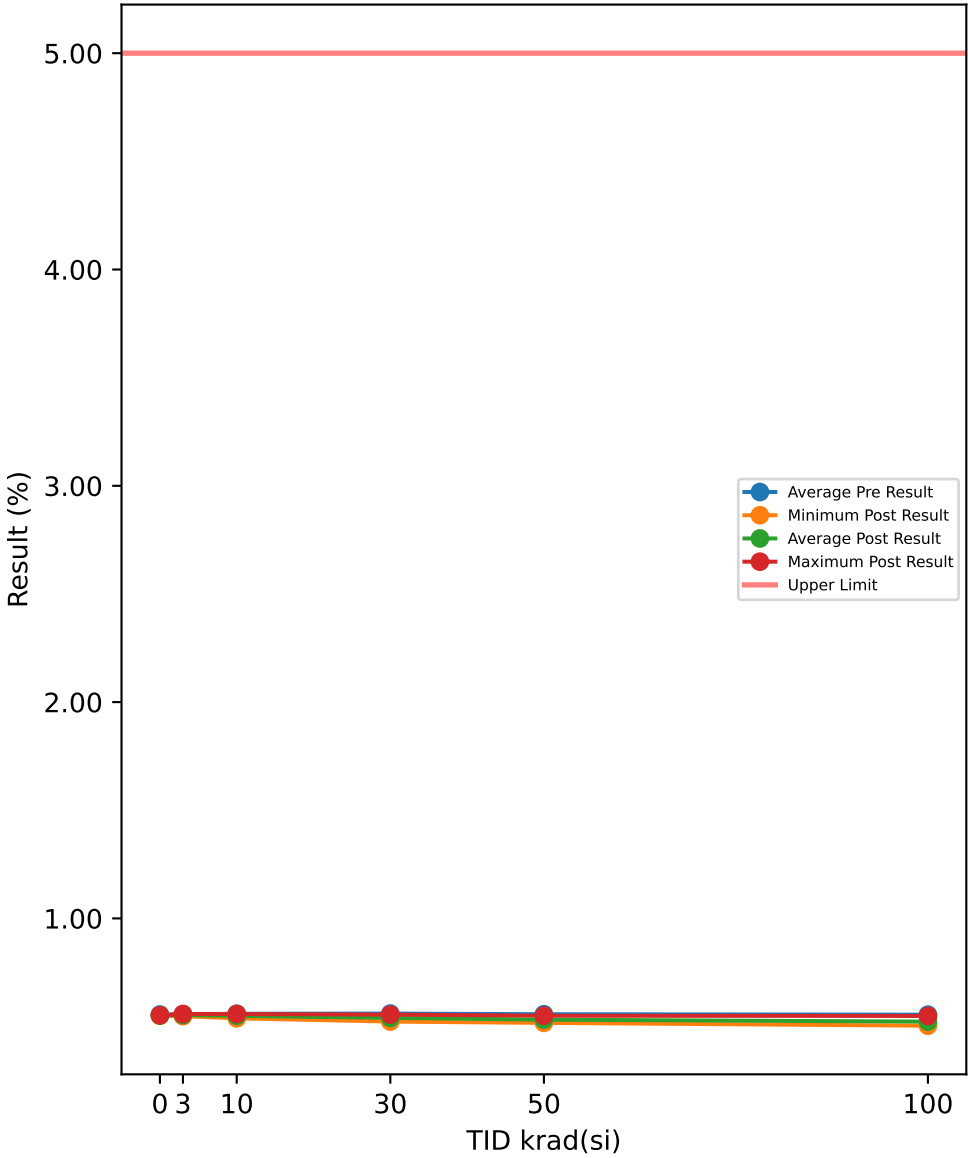
TID vs Post - Pre Exposure Delta



Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|------------|
| 0        | 0.556            | 0.56             | 0.567            | 0.0060828        | 0.553             | 0.55667           | 0.564             | 0.0063509         | -0.004    | -0.0033333 | -0.003    | 0.00057735 |
| 3        | 0.554            | 0.5623           | 0.573            | 0.0055187        | 0.552             | 0.5566            | 0.564             | 0.0037476         | -0.009    | -0.0057    | -0.002    | 0.0032677  |
| 10       | 0.558            | 0.5637           | 0.57             | 0.0034657        | 0.554             | 0.5579            | 0.565             | 0.0036652         | -0.01     | -0.0058    | 0         | 0.0029364  |
| 30       | 0.556            | 0.5609           | 0.567            | 0.0033149        | 0.546             | 0.5507            | 0.556             | 0.0029833         | -0.014    | -0.0102    | -0.008    | 0.0022998  |
| 50       | 0.558            | 0.5641           | 0.572            | 0.0047481        | 0.545             | 0.5504            | 0.558             | 0.0042216         | -0.015    | -0.0137    | -0.011    | 0.0011595  |
| 100      | 0.559            | 0.5643           | 0.57             | 0.0036833        | 0.54              | 0.5462            | 0.552             | 0.0037653         | -0.019    | -0.0181    | -0.017    | 0.00056765 |

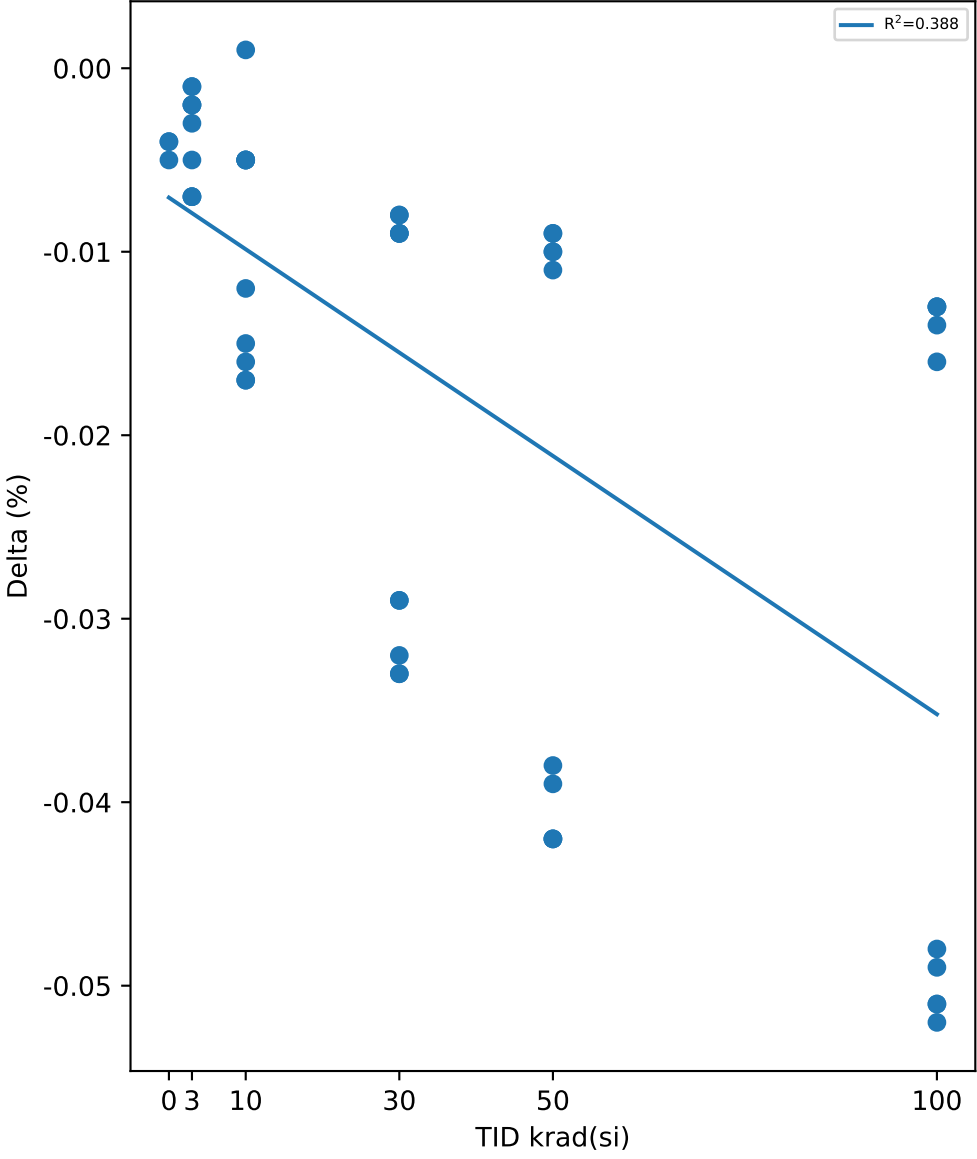
TID vs Result Stats



Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.557      | 0.552       | -0.005 |
| 301      | 0        | Correlation         | 0.554      | 0.55        | -0.004 |
| 302      | 0        | Correlation         | 0.556      | 0.552       | -0.004 |
| 303      | 3        | Bias                | 0.558      | 0.551       | -0.007 |
| 304      | 3        | Bias                | 0.558      | 0.551       | -0.007 |
| 305      | 3        | Bias                | 0.562      | 0.555       | -0.007 |
| 306      | 3        | Bias                | 0.558      | 0.553       | -0.005 |
| 307      | 3        | Bias                | 0.558      | 0.555       | -0.003 |
| 308      | 3        | Unbiased            | 0.56       | 0.558       | -0.002 |
| 309      | 3        | Unbiased            | 0.552      | 0.55        | -0.002 |
| 310      | 3        | Unbiased            | 0.559      | 0.558       | -0.001 |
| 311      | 3        | Unbiased            | 0.553      | 0.552       | -0.001 |
| 312      | 3        | Unbiased            | 0.55       | 0.548       | -0.002 |
| 313      | 10       | Bias                | 0.562      | 0.547       | -0.015 |
| 314      | 10       | Bias                | 0.554      | 0.538       | -0.016 |
| 315      | 10       | Bias                | 0.563      | 0.546       | -0.017 |
| 316      | 10       | Bias                | 0.558      | 0.553       | -0.005 |
| 317      | 10       | Bias                | 0.564      | 0.547       | -0.017 |
| 318      | 10       | Unbiased            | 0.551      | 0.546       | -0.005 |
| 319      | 10       | Unbiased            | 0.561      | 0.556       | -0.005 |
| 320      | 10       | Unbiased            | 0.557      | 0.558       | 0.001  |
| 321      | 10       | Unbiased            | 0.564      | 0.552       | -0.012 |
| 322      | 10       | Unbiased            | 0.557      | 0.552       | -0.005 |
| 323      | 30       | Bias                | 0.561      | 0.532       | -0.029 |
| 324      | 30       | Bias                | 0.561      | 0.532       | -0.029 |
| 325      | 30       | Bias                | 0.556      | 0.523       | -0.033 |
| 326      | 30       | Bias                | 0.558      | 0.525       | -0.033 |
| 327      | 30       | Bias                | 0.566      | 0.534       | -0.032 |
| 328      | 30       | Unbiased            | 0.558      | 0.549       | -0.009 |
| 329      | 30       | Unbiased            | 0.562      | 0.554       | -0.008 |
| 330      | 30       | Unbiased            | 0.556      | 0.547       | -0.009 |
| 331      | 30       | Unbiased            | 0.559      | 0.55        | -0.009 |
| 332      | 30       | Unbiased            | 0.563      | 0.555       | -0.008 |
| 333      | 50       | Bias                | 0.561      | 0.522       | -0.039 |
| 334      | 50       | Bias                | 0.555      | 0.517       | -0.038 |
| 335      | 50       | Bias                | 0.559      | 0.517       | -0.042 |
| 336      | 50       | Bias                | 0.56       | 0.518       | -0.042 |
| 337      | 50       | Bias                | 0.562      | 0.52        | -0.042 |
| 338      | 50       | Unbiased            | 0.557      | 0.546       | -0.011 |
| 339      | 50       | Unbiased            | 0.55       | 0.541       | -0.009 |
| 340      | 50       | Unbiased            | 0.554      | 0.544       | -0.01  |
| 341      | 50       | Unbiased            | 0.559      | 0.55        | -0.009 |
| 342      | 50       | Unbiased            | 0.553      | 0.543       | -0.01  |
| 343      | 100      | Bias                | 0.552      | 0.504       | -0.048 |
| 344      | 100      | Bias                | 0.556      | 0.507       | -0.049 |
| 345      | 100      | Bias                | 0.556      | 0.505       | -0.051 |
| 346      | 100      | Bias                | 0.559      | 0.507       | -0.052 |
| 347      | 100      | Bias                | 0.559      | 0.508       | -0.051 |
| 348      | 100      | Unbiased            | 0.551      | 0.538       | -0.013 |
| 349      | 100      | Unbiased            | 0.562      | 0.549       | -0.013 |
| 350      | 100      | Unbiased            | 0.553      | 0.537       | -0.016 |
| 351      | 100      | Unbiased            | 0.549      | 0.536       | -0.013 |
| 352      | 100      | Unbiased            | 0.551      | 0.537       | -0.014 |

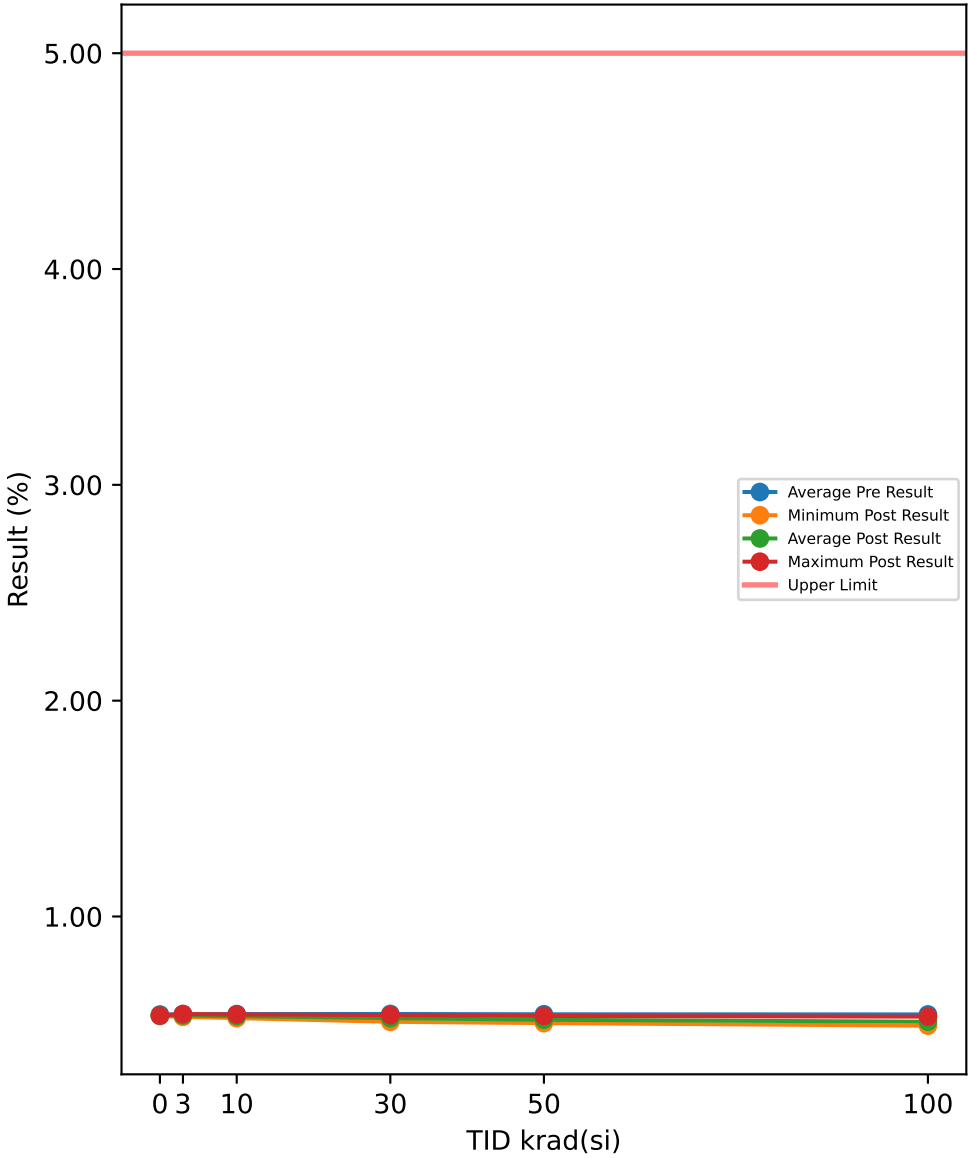
TID vs Post - Pre Exposure Delta



Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|------------|
| 0        | 0.554            | 0.55567          | 0.557            | 0.0015275        | 0.55              | 0.55133           | 0.552             | 0.0011547         | -0.005    | -0.0043333 | -0.004    | 0.00057735 |
| 3        | 0.55             | 0.5568           | 0.562            | 0.0038239        | 0.548             | 0.5531            | 0.558             | 0.0033483         | -0.007    | -0.0037    | -0.001    | 0.0025408  |
| 10       | 0.551            | 0.5591           | 0.564            | 0.0044335        | 0.538             | 0.5495            | 0.558             | 0.0058547         | -0.017    | -0.0096    | 0.001     | 0.0065184  |
| 30       | 0.556            | 0.56             | 0.566            | 0.0031972        | 0.523             | 0.5401            | 0.555             | 0.012151          | -0.033    | -0.0199    | -0.008    | 0.011995   |
| 50       | 0.55             | 0.557            | 0.562            | 0.0038873        | 0.517             | 0.5318            | 0.55              | 0.013967          | -0.042    | -0.0252    | -0.009    | 0.016295   |
| 100      | 0.549            | 0.5548           | 0.562            | 0.0042635        | 0.504             | 0.5228            | 0.549             | 0.0179            | -0.052    | -0.032     | -0.013    | 0.019235   |

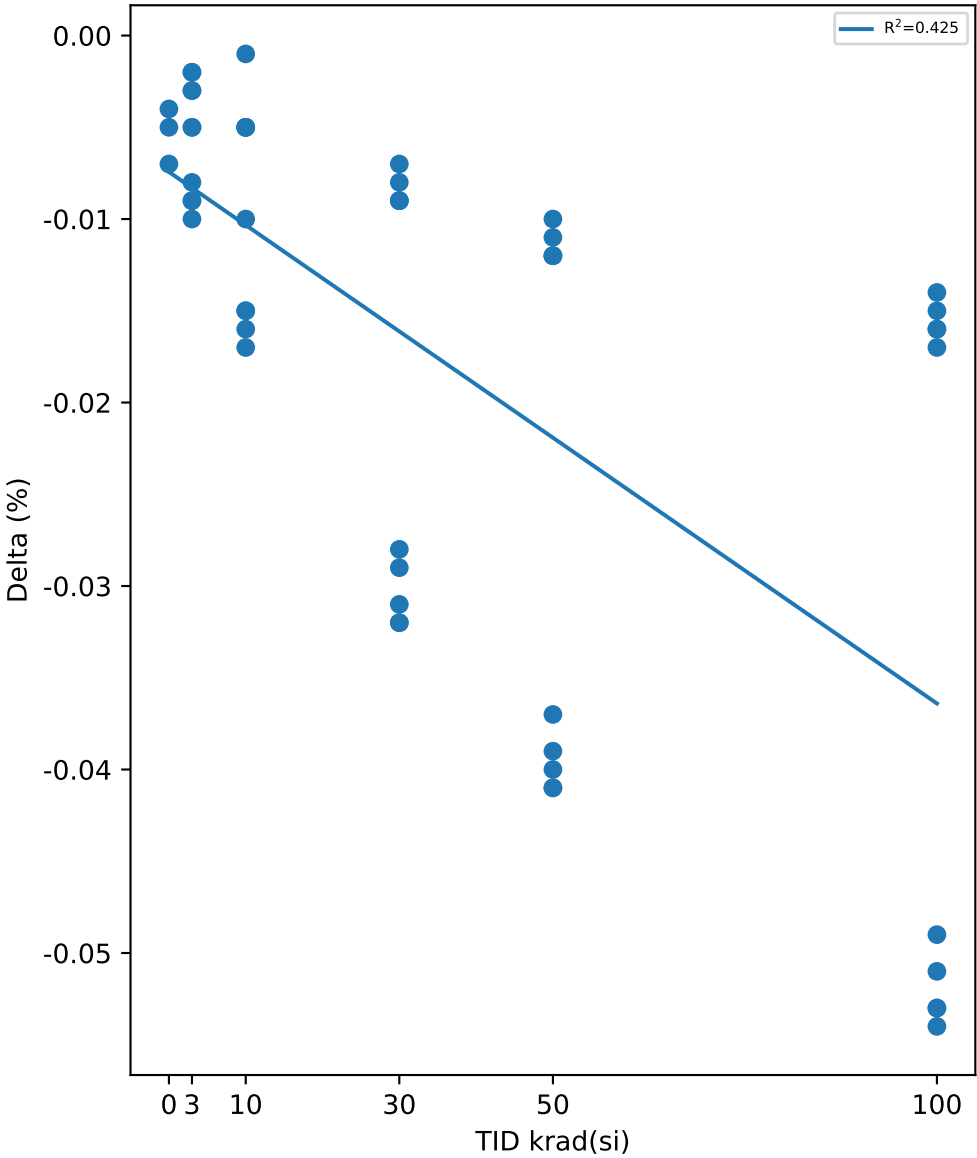
TID vs Result Stats



Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.548      | 0.541       | -0.007 |
| 301      | 0        | Correlation         | 0.544      | 0.539       | -0.005 |
| 302      | 0        | Correlation         | 0.545      | 0.541       | -0.004 |
| 303      | 3        | Bias                | 0.548      | 0.539       | -0.009 |
| 304      | 3        | Bias                | 0.553      | 0.544       | -0.009 |
| 305      | 3        | Bias                | 0.551      | 0.541       | -0.01  |
| 306      | 3        | Bias                | 0.551      | 0.543       | -0.008 |
| 307      | 3        | Bias                | 0.548      | 0.543       | -0.005 |
| 308      | 3        | Unbiased            | 0.553      | 0.548       | -0.005 |
| 309      | 3        | Unbiased            | 0.542      | 0.54        | -0.002 |
| 310      | 3        | Unbiased            | 0.548      | 0.546       | -0.002 |
| 311      | 3        | Unbiased            | 0.542      | 0.539       | -0.003 |
| 312      | 3        | Unbiased            | 0.538      | 0.535       | -0.003 |
| 313      | 10       | Bias                | 0.551      | 0.536       | -0.015 |
| 314      | 10       | Bias                | 0.544      | 0.529       | -0.015 |
| 315      | 10       | Bias                | 0.55       | 0.534       | -0.016 |
| 316      | 10       | Bias                | 0.547      | 0.542       | -0.005 |
| 317      | 10       | Bias                | 0.553      | 0.536       | -0.017 |
| 318      | 10       | Unbiased            | 0.539      | 0.534       | -0.005 |
| 319      | 10       | Unbiased            | 0.548      | 0.543       | -0.005 |
| 320      | 10       | Unbiased            | 0.547      | 0.546       | -0.001 |
| 321      | 10       | Unbiased            | 0.552      | 0.542       | -0.01  |
| 322      | 10       | Unbiased            | 0.547      | 0.542       | -0.005 |
| 323      | 30       | Bias                | 0.551      | 0.522       | -0.029 |
| 324      | 30       | Bias                | 0.548      | 0.52        | -0.028 |
| 325      | 30       | Bias                | 0.546      | 0.514       | -0.032 |
| 326      | 30       | Bias                | 0.544      | 0.512       | -0.032 |
| 327      | 30       | Bias                | 0.554      | 0.523       | -0.031 |
| 328      | 30       | Unbiased            | 0.544      | 0.536       | -0.008 |
| 329      | 30       | Unbiased            | 0.55       | 0.543       | -0.007 |
| 330      | 30       | Unbiased            | 0.544      | 0.535       | -0.009 |
| 331      | 30       | Unbiased            | 0.551      | 0.542       | -0.009 |
| 332      | 30       | Unbiased            | 0.551      | 0.542       | -0.009 |
| 333      | 50       | Bias                | 0.548      | 0.511       | -0.037 |
| 334      | 50       | Bias                | 0.545      | 0.506       | -0.039 |
| 335      | 50       | Bias                | 0.548      | 0.508       | -0.04  |
| 336      | 50       | Bias                | 0.551      | 0.51        | -0.041 |
| 337      | 50       | Bias                | 0.551      | 0.51        | -0.041 |
| 338      | 50       | Unbiased            | 0.546      | 0.534       | -0.012 |
| 339      | 50       | Unbiased            | 0.541      | 0.531       | -0.01  |
| 340      | 50       | Unbiased            | 0.544      | 0.532       | -0.012 |
| 341      | 50       | Unbiased            | 0.551      | 0.539       | -0.012 |
| 342      | 50       | Unbiased            | 0.544      | 0.533       | -0.011 |
| 343      | 100      | Bias                | 0.543      | 0.494       | -0.049 |
| 344      | 100      | Bias                | 0.549      | 0.498       | -0.051 |
| 345      | 100      | Bias                | 0.547      | 0.494       | -0.053 |
| 346      | 100      | Bias                | 0.554      | 0.5         | -0.054 |
| 347      | 100      | Bias                | 0.552      | 0.499       | -0.053 |
| 348      | 100      | Unbiased            | 0.542      | 0.528       | -0.014 |
| 349      | 100      | Unbiased            | 0.551      | 0.536       | -0.015 |
| 350      | 100      | Unbiased            | 0.542      | 0.525       | -0.017 |
| 351      | 100      | Unbiased            | 0.543      | 0.527       | -0.016 |
| 352      | 100      | Unbiased            | 0.539      | 0.523       | -0.016 |

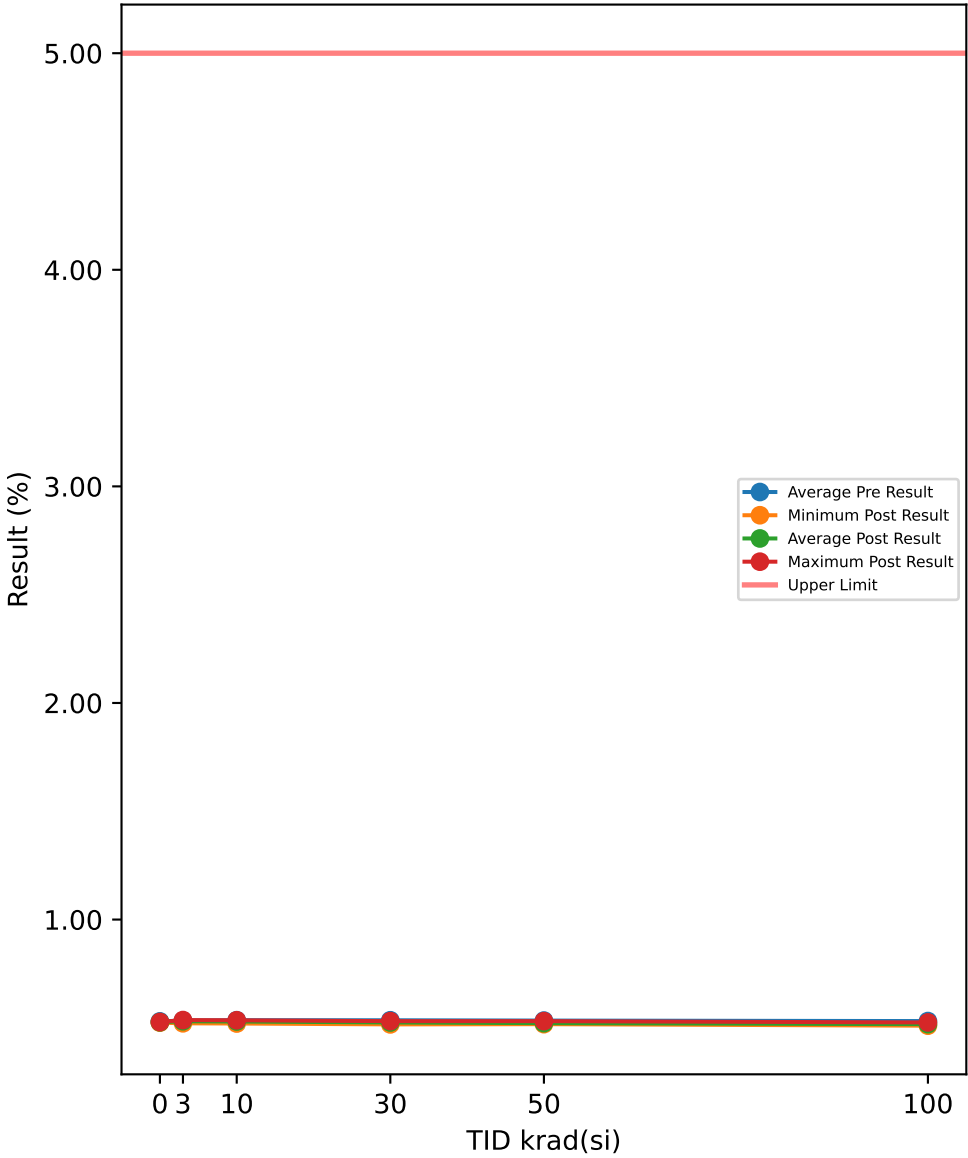
TID vs Post - Pre Exposure Delta



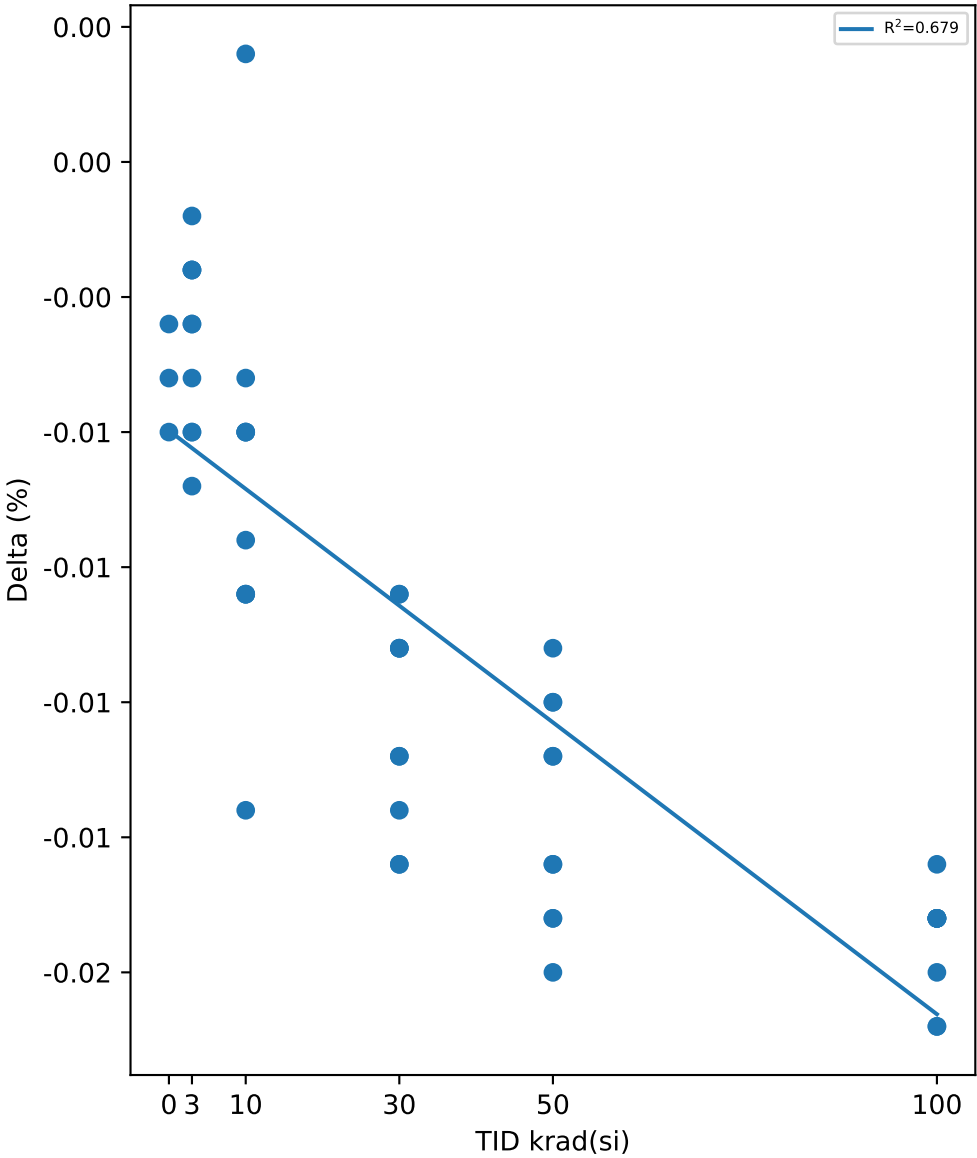
Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 0.544            | 0.54567          | 0.548            | 0.0020817        | 0.539             | 0.54033           | 0.541             | 0.0011547         | -0.007    | -0.0053333 | -0.004    | 0.0015275 |
| 3        | 0.538            | 0.5474           | 0.553            | 0.0051251        | 0.535             | 0.5418            | 0.548             | 0.0037947         | -0.01     | -0.0056    | -0.002    | 0.003134  |
| 10       | 0.539            | 0.5478           | 0.553            | 0.0041312        | 0.529             | 0.5384            | 0.546             | 0.0053375         | -0.017    | -0.0094    | -0.001    | 0.0058916 |
| 30       | 0.544            | 0.5483           | 0.554            | 0.0036225        | 0.512             | 0.5289            | 0.543             | 0.012013          | -0.032    | -0.0194    | -0.007    | 0.011673  |
| 50       | 0.541            | 0.5469           | 0.551            | 0.0034785        | 0.506             | 0.5214            | 0.539             | 0.013302          | -0.041    | -0.0255    | -0.01     | 0.014916  |
| 100      | 0.539            | 0.5462           | 0.554            | 0.0050947        | 0.494             | 0.5124            | 0.536             | 0.016675          | -0.054    | -0.0338    | -0.014    | 0.019246  |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 5.0 (%))

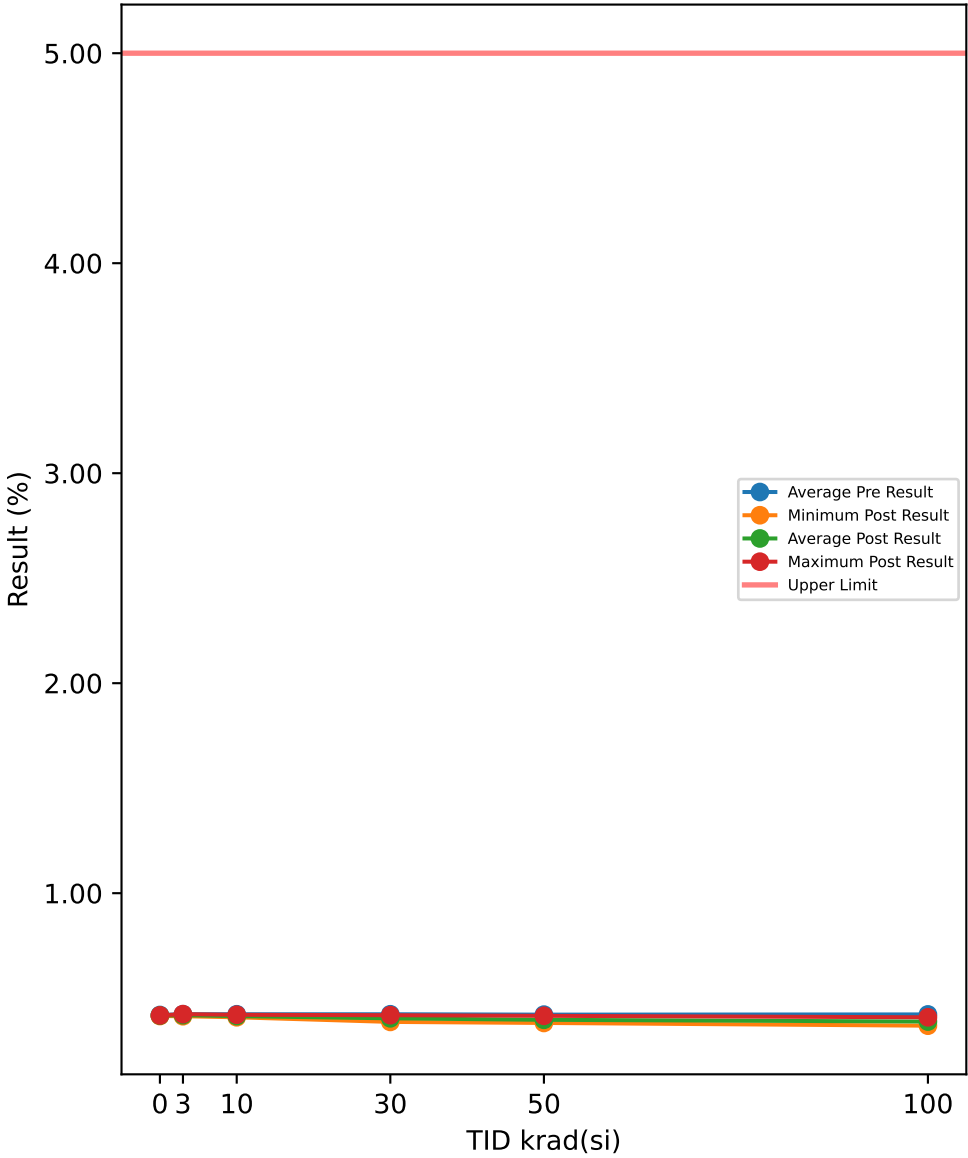
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.532      | 0.527       | -0.005 |
| 301      | 0        | Correlation         | 0.528      | 0.524       | -0.004 |
| 302      | 0        | Correlation         | 0.53       | 0.527       | -0.003 |
| 303      | 3        | Bias                | 0.534      | 0.529       | -0.005 |
| 304      | 3        | Bias                | 0.541      | 0.536       | -0.005 |
| 305      | 3        | Bias                | 0.539      | 0.533       | -0.006 |
| 306      | 3        | Bias                | 0.536      | 0.532       | -0.004 |
| 307      | 3        | Bias                | 0.535      | 0.532       | -0.003 |
| 308      | 3        | Unbiased            | 0.538      | 0.535       | -0.003 |
| 309      | 3        | Unbiased            | 0.529      | 0.527       | -0.002 |
| 310      | 3        | Unbiased            | 0.535      | 0.534       | -0.001 |
| 311      | 3        | Unbiased            | 0.527      | 0.525       | -0.002 |
| 312      | 3        | Unbiased            | 0.523      | 0.521       | -0.002 |
| 313      | 10       | Bias                | 0.539      | 0.532       | -0.007 |
| 314      | 10       | Bias                | 0.531      | 0.523       | -0.008 |
| 315      | 10       | Bias                | 0.539      | 0.531       | -0.008 |
| 316      | 10       | Bias                | 0.533      | 0.528       | -0.005 |
| 317      | 10       | Bias                | 0.542      | 0.534       | -0.008 |
| 318      | 10       | Unbiased            | 0.525      | 0.52        | -0.005 |
| 319      | 10       | Unbiased            | 0.535      | 0.531       | -0.004 |
| 320      | 10       | Unbiased            | 0.533      | 0.535       | 0.002  |
| 321      | 10       | Unbiased            | 0.54       | 0.528       | -0.012 |
| 322      | 10       | Unbiased            | 0.537      | 0.532       | -0.005 |
| 323      | 30       | Bias                | 0.538      | 0.527       | -0.011 |
| 324      | 30       | Bias                | 0.535      | 0.524       | -0.011 |
| 325      | 30       | Bias                | 0.533      | 0.52        | -0.013 |
| 326      | 30       | Bias                | 0.529      | 0.516       | -0.013 |
| 327      | 30       | Bias                | 0.543      | 0.531       | -0.012 |
| 328      | 30       | Unbiased            | 0.53       | 0.521       | -0.009 |
| 329      | 30       | Unbiased            | 0.539      | 0.531       | -0.008 |
| 330      | 30       | Unbiased            | 0.53       | 0.521       | -0.009 |
| 331      | 30       | Unbiased            | 0.537      | 0.528       | -0.009 |
| 332      | 30       | Unbiased            | 0.537      | 0.529       | -0.008 |
| 333      | 50       | Bias                | 0.534      | 0.521       | -0.013 |
| 334      | 50       | Bias                | 0.531      | 0.518       | -0.013 |
| 335      | 50       | Bias                | 0.537      | 0.523       | -0.014 |
| 336      | 50       | Bias                | 0.538      | 0.524       | -0.014 |
| 337      | 50       | Bias                | 0.537      | 0.522       | -0.015 |
| 338      | 50       | Unbiased            | 0.532      | 0.521       | -0.011 |
| 339      | 50       | Unbiased            | 0.526      | 0.517       | -0.009 |
| 340      | 50       | Unbiased            | 0.532      | 0.521       | -0.011 |
| 341      | 50       | Unbiased            | 0.541      | 0.531       | -0.01  |
| 342      | 50       | Unbiased            | 0.529      | 0.519       | -0.01  |
| 343      | 100      | Bias                | 0.527      | 0.513       | -0.014 |
| 344      | 100      | Bias                | 0.535      | 0.52        | -0.015 |
| 345      | 100      | Bias                | 0.536      | 0.52        | -0.016 |
| 346      | 100      | Bias                | 0.536      | 0.522       | -0.014 |
| 347      | 100      | Bias                | 0.533      | 0.519       | -0.014 |
| 348      | 100      | Unbiased            | 0.529      | 0.515       | -0.014 |
| 349      | 100      | Unbiased            | 0.539      | 0.525       | -0.014 |
| 350      | 100      | Unbiased            | 0.528      | 0.512       | -0.016 |
| 351      | 100      | Unbiased            | 0.528      | 0.514       | -0.014 |
| 352      | 100      | Unbiased            | 0.523      | 0.51        | -0.013 |

Test Statistics (%)

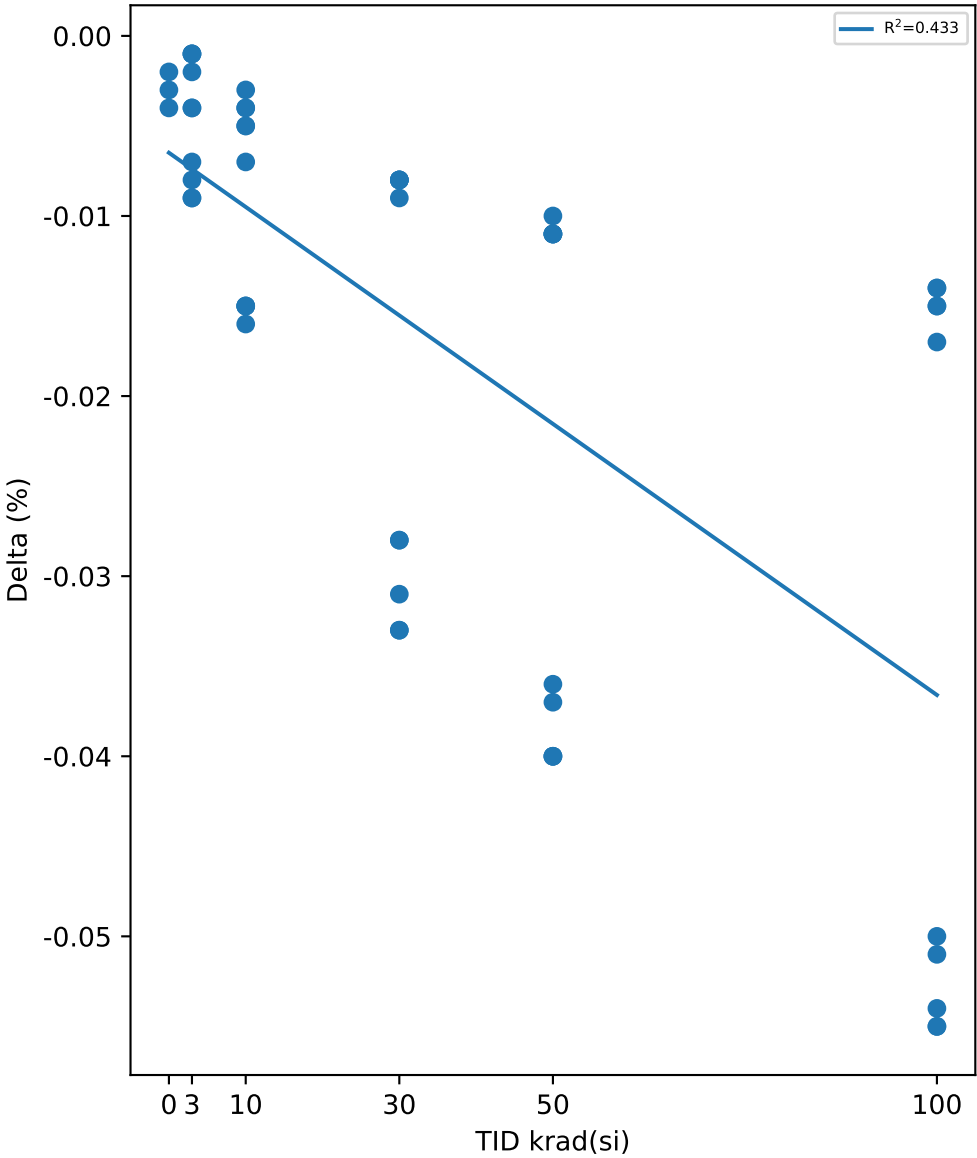
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| 0        | 0.528            | 0.53             | 0.532            | 0.002            | 0.524             | 0.526             | 0.527             | 0.0017321         | -0.005    | -0.004    | -0.003    | 0.001      |
| 3        | 0.523            | 0.5337           | 0.541            | 0.0056774        | 0.521             | 0.5304            | 0.536             | 0.004812          | -0.006    | -0.0033   | -0.001    | 0.0016364  |
| 10       | 0.525            | 0.5354           | 0.542            | 0.0050816        | 0.52              | 0.5294            | 0.535             | 0.0047656         | -0.012    | -0.006    | 0.002     | 0.0036515  |
| 30       | 0.529            | 0.5351           | 0.543            | 0.004557         | 0.516             | 0.5248            | 0.531             | 0.0051597         | -0.013    | -0.0103   | -0.008    | 0.0019465  |
| 50       | 0.526            | 0.5337           | 0.541            | 0.0045717        | 0.517             | 0.5217            | 0.531             | 0.0039172         | -0.015    | -0.012    | -0.009    | 0.0020548  |
| 100      | 0.523            | 0.5314           | 0.539            | 0.0051034        | 0.51              | 0.517             | 0.525             | 0.0048762         | -0.016    | -0.0144   | -0.013    | 0.00096609 |



TID vs Result Stats



TID vs Post - Pre Exposure Delta



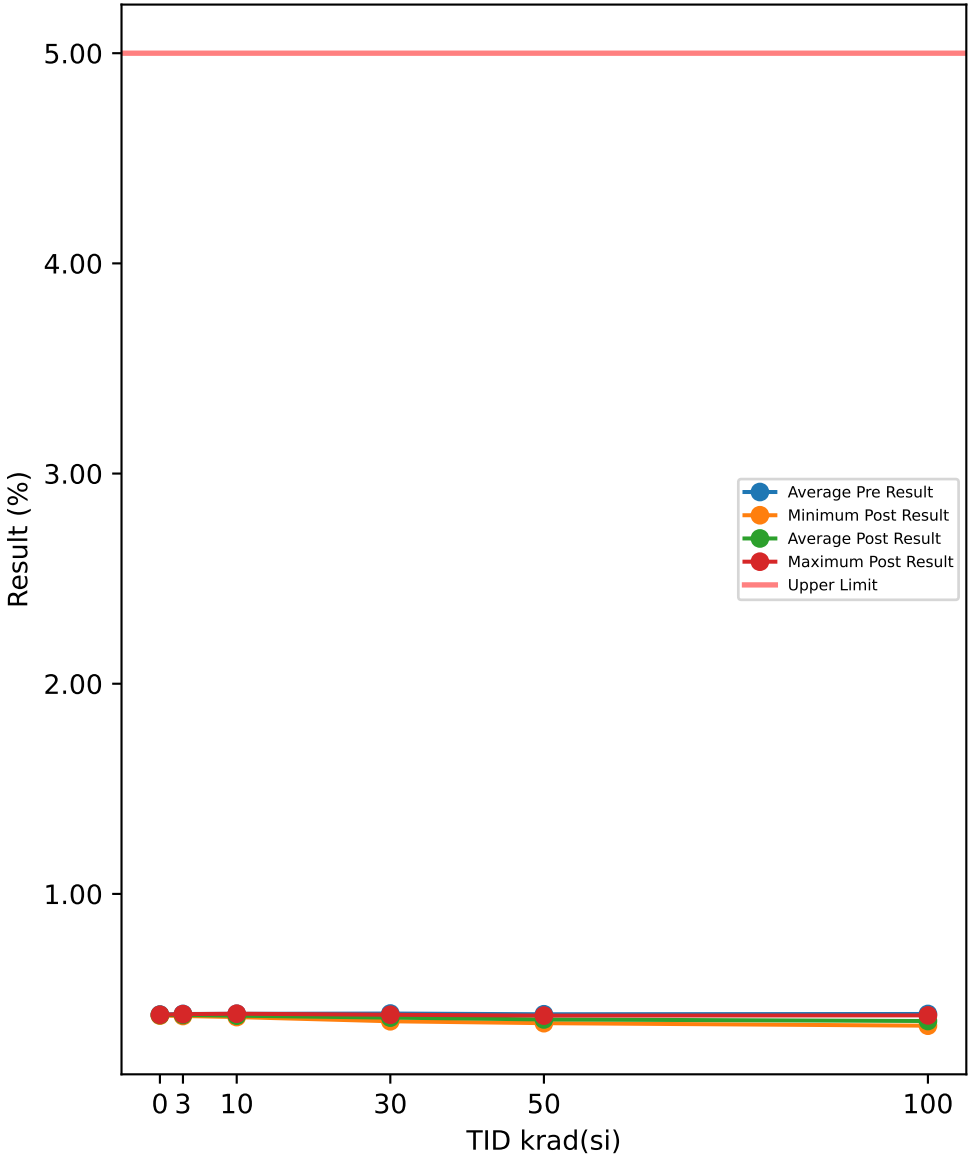
Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.422      | 0.418       | -0.004 |
| 301      | 0        | Correlation         | 0.418      | 0.415       | -0.003 |
| 302      | 0        | Correlation         | 0.42       | 0.418       | -0.002 |
| 303      | 3        | Bias                | 0.428      | 0.42        | -0.008 |
| 304      | 3        | Bias                | 0.429      | 0.42        | -0.009 |
| 305      | 3        | Bias                | 0.426      | 0.417       | -0.009 |
| 306      | 3        | Bias                | 0.421      | 0.414       | -0.007 |
| 307      | 3        | Bias                | 0.426      | 0.422       | -0.004 |
| 308      | 3        | Unbiased            | 0.428      | 0.424       | -0.004 |
| 309      | 3        | Unbiased            | 0.421      | 0.419       | -0.002 |
| 310      | 3        | Unbiased            | 0.424      | 0.423       | -0.001 |
| 311      | 3        | Unbiased            | 0.417      | 0.416       | -0.001 |
| 312      | 3        | Unbiased            | 0.416      | 0.415       | -0.001 |
| 313      | 10       | Bias                | 0.424      | 0.409       | -0.015 |
| 314      | 10       | Bias                | 0.426      | 0.411       | -0.015 |
| 315      | 10       | Bias                | 0.427      | 0.411       | -0.016 |
| 316      | 10       | Bias                | 0.42       | 0.416       | -0.004 |
| 317      | 10       | Bias                | 0.425      | 0.41        | -0.015 |
| 318      | 10       | Unbiased            | 0.42       | 0.416       | -0.004 |
| 319      | 10       | Unbiased            | 0.426      | 0.421       | -0.005 |
| 320      | 10       | Unbiased            | 0.42       | 0.417       | -0.003 |
| 321      | 10       | Unbiased            | 0.422      | 0.415       | -0.007 |
| 322      | 10       | Unbiased            | 0.425      | 0.42        | -0.005 |
| 323      | 30       | Bias                | 0.429      | 0.401       | -0.028 |
| 324      | 30       | Bias                | 0.422      | 0.394       | -0.028 |
| 325      | 30       | Bias                | 0.425      | 0.392       | -0.033 |
| 326      | 30       | Bias                | 0.418      | 0.387       | -0.031 |
| 327      | 30       | Bias                | 0.431      | 0.398       | -0.033 |
| 328      | 30       | Unbiased            | 0.42       | 0.412       | -0.008 |
| 329      | 30       | Unbiased            | 0.423      | 0.415       | -0.008 |
| 330      | 30       | Unbiased            | 0.42       | 0.411       | -0.009 |
| 331      | 30       | Unbiased            | 0.42       | 0.412       | -0.008 |
| 332      | 30       | Unbiased            | 0.427      | 0.419       | -0.008 |
| 333      | 50       | Bias                | 0.418      | 0.382       | -0.036 |
| 334      | 50       | Bias                | 0.421      | 0.384       | -0.037 |
| 335      | 50       | Bias                | 0.423      | 0.383       | -0.04  |
| 336      | 50       | Bias                | 0.422      | 0.382       | -0.04  |
| 337      | 50       | Bias                | 0.423      | 0.383       | -0.04  |
| 338      | 50       | Unbiased            | 0.42       | 0.409       | -0.011 |
| 339      | 50       | Unbiased            | 0.417      | 0.407       | -0.01  |
| 340      | 50       | Unbiased            | 0.424      | 0.413       | -0.011 |
| 341      | 50       | Unbiased            | 0.427      | 0.416       | -0.011 |
| 342      | 50       | Unbiased            | 0.422      | 0.411       | -0.011 |
| 343      | 100      | Bias                | 0.419      | 0.369       | -0.05  |
| 344      | 100      | Bias                | 0.423      | 0.372       | -0.051 |
| 345      | 100      | Bias                | 0.427      | 0.372       | -0.055 |
| 346      | 100      | Bias                | 0.429      | 0.374       | -0.055 |
| 347      | 100      | Bias                | 0.426      | 0.372       | -0.054 |
| 348      | 100      | Unbiased            | 0.419      | 0.405       | -0.014 |
| 349      | 100      | Unbiased            | 0.423      | 0.409       | -0.014 |
| 350      | 100      | Unbiased            | 0.422      | 0.405       | -0.017 |
| 351      | 100      | Unbiased            | 0.421      | 0.406       | -0.015 |
| 352      | 100      | Unbiased            | 0.418      | 0.403       | -0.015 |

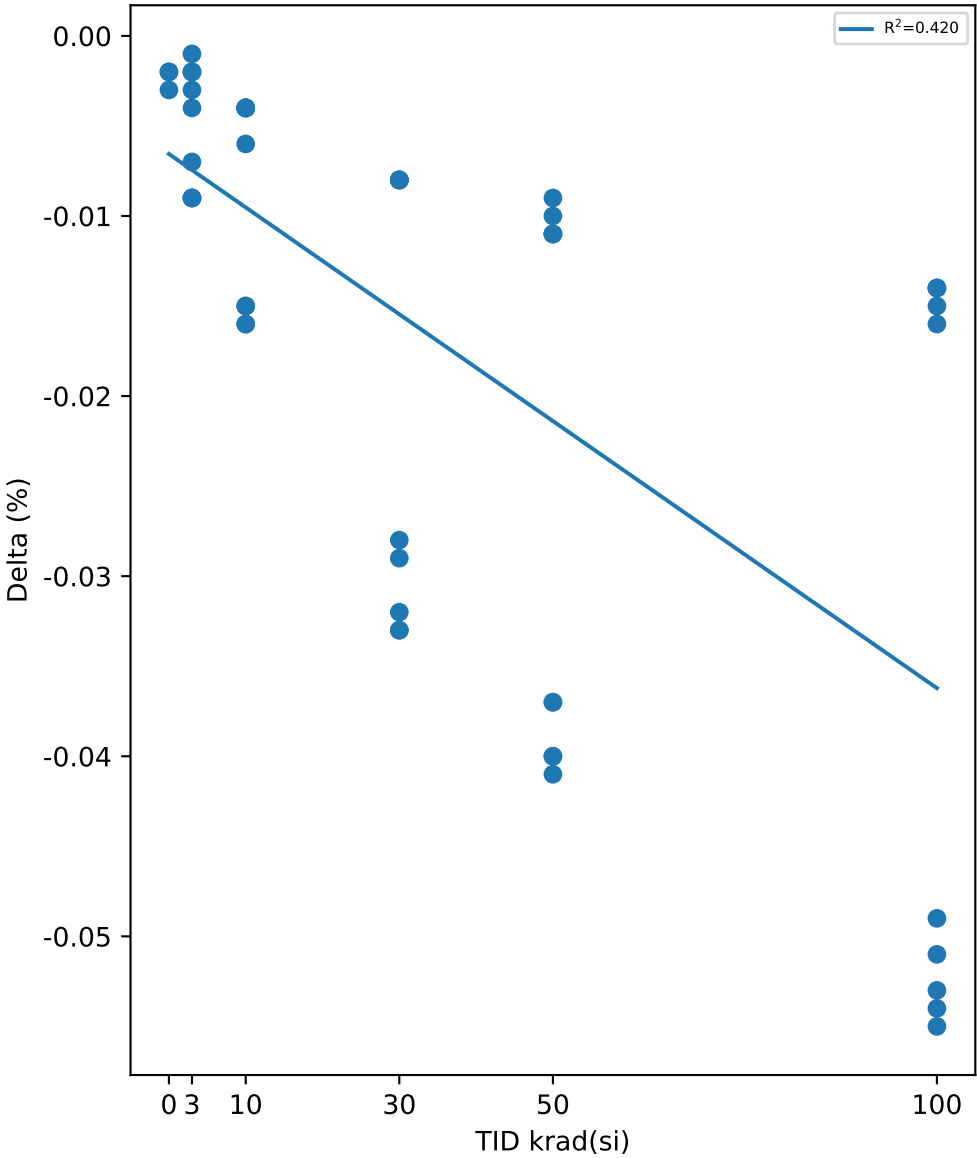
Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 0.418            | 0.42             | 0.422            | 0.002            | 0.415             | 0.417             | 0.418             | 0.0017321         | -0.004    | -0.003    | -0.002    | 0.001     |
| 3        | 0.416            | 0.4236           | 0.429            | 0.0046476        | 0.414             | 0.419             | 0.424             | 0.0034319         | -0.009    | -0.0046   | -0.001    | 0.0033731 |
| 10       | 0.42             | 0.4235           | 0.427            | 0.0027588        | 0.409             | 0.4146            | 0.421             | 0.0041952         | -0.016    | -0.0089   | -0.003    | 0.0055668 |
| 30       | 0.418            | 0.4235           | 0.431            | 0.0043525        | 0.387             | 0.4041            | 0.419             | 0.01106           | -0.033    | -0.0194   | -0.008    | 0.011928  |
| 50       | 0.417            | 0.4217           | 0.427            | 0.0029078        | 0.382             | 0.397             | 0.416             | 0.015158          | -0.04     | -0.0247   | -0.01     | 0.014712  |
| 100      | 0.418            | 0.4227           | 0.429            | 0.0036833        | 0.369             | 0.3887            | 0.409             | 0.017914          | -0.055    | -0.034    | -0.014    | 0.020105  |

TID vs Result Stats



TID vs Post - Pre Exposure Delta

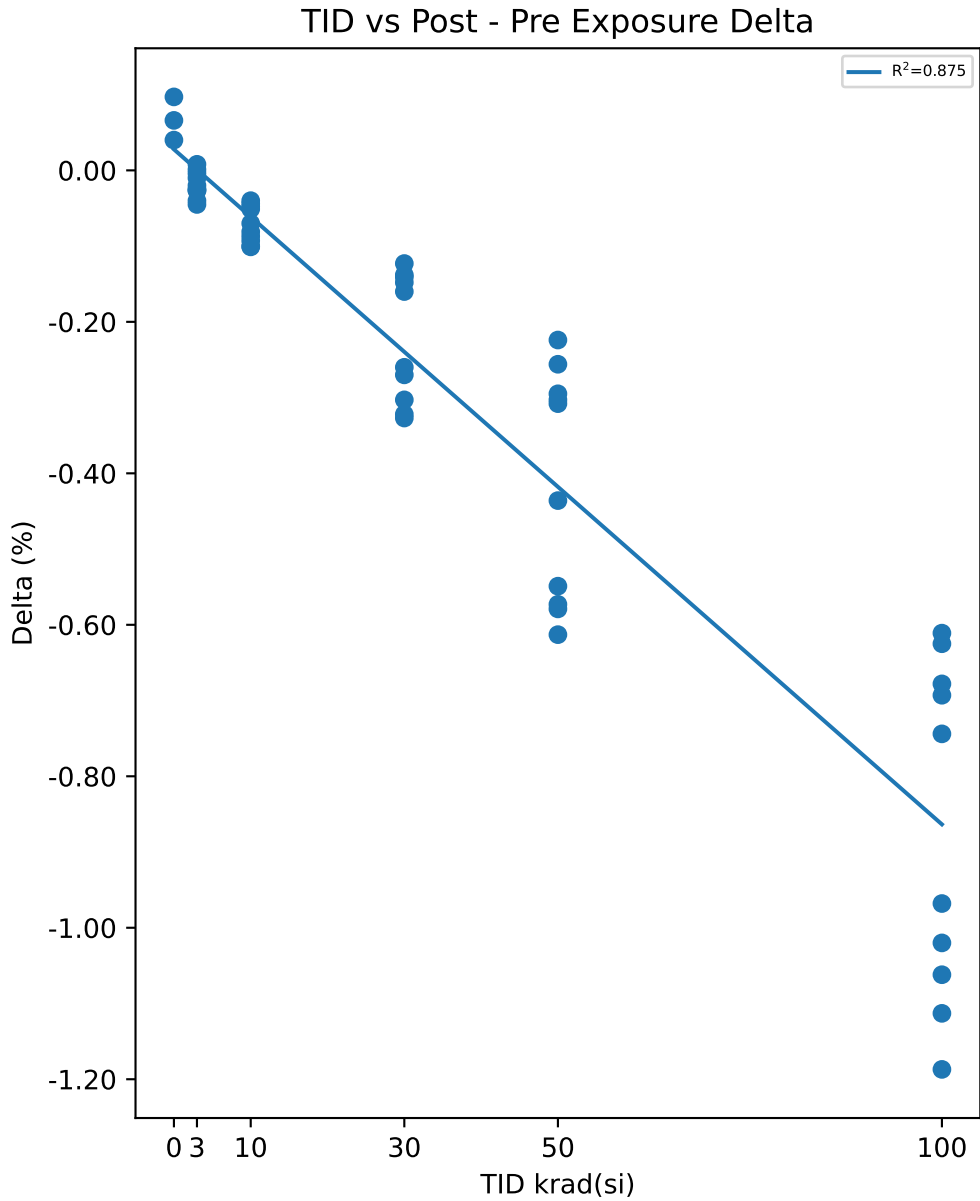
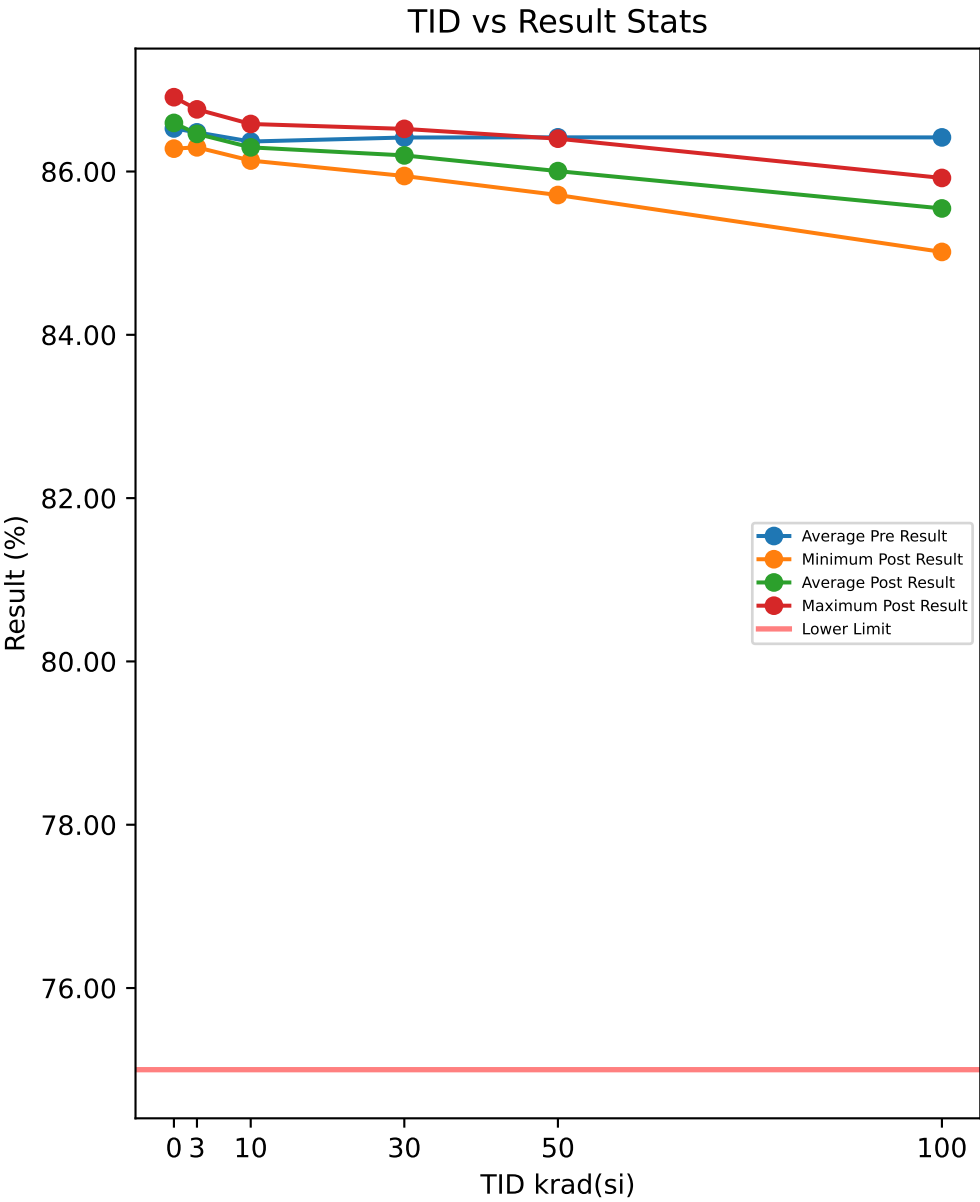


Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 0.428      | 0.425       | -0.003 |
| 301      | 0        | Correlation         | 0.423      | 0.421       | -0.002 |
| 302      | 0        | Correlation         | 0.427      | 0.425       | -0.002 |
| 303      | 3        | Bias                | 0.433      | 0.424       | -0.009 |
| 304      | 3        | Bias                | 0.433      | 0.424       | -0.009 |
| 305      | 3        | Bias                | 0.433      | 0.424       | -0.009 |
| 306      | 3        | Bias                | 0.43       | 0.423       | -0.007 |
| 307      | 3        | Bias                | 0.431      | 0.427       | -0.004 |
| 308      | 3        | Unbiased            | 0.431      | 0.428       | -0.003 |
| 309      | 3        | Unbiased            | 0.426      | 0.424       | -0.002 |
| 310      | 3        | Unbiased            | 0.428      | 0.426       | -0.002 |
| 311      | 3        | Unbiased            | 0.423      | 0.421       | -0.002 |
| 312      | 3        | Unbiased            | 0.42       | 0.419       | -0.001 |
| 313      | 10       | Bias                | 0.432      | 0.417       | -0.015 |
| 314      | 10       | Bias                | 0.429      | 0.414       | -0.015 |
| 315      | 10       | Bias                | 0.432      | 0.416       | -0.016 |
| 316      | 10       | Bias                | 0.426      | 0.422       | -0.004 |
| 317      | 10       | Bias                | 0.432      | 0.416       | -0.016 |
| 318      | 10       | Unbiased            | 0.422      | 0.418       | -0.004 |
| 319      | 10       | Unbiased            | 0.434      | 0.43        | -0.004 |
| 320      | 10       | Unbiased            | 0.428      | 0.424       | -0.004 |
| 321      | 10       | Unbiased            | 0.429      | 0.423       | -0.006 |
| 322      | 10       | Unbiased            | 0.43       | 0.426       | -0.004 |
| 323      | 30       | Bias                | 0.437      | 0.408       | -0.029 |
| 324      | 30       | Bias                | 0.43       | 0.402       | -0.028 |
| 325      | 30       | Bias                | 0.429      | 0.396       | -0.033 |
| 326      | 30       | Bias                | 0.426      | 0.394       | -0.032 |
| 327      | 30       | Bias                | 0.441      | 0.408       | -0.033 |
| 328      | 30       | Unbiased            | 0.427      | 0.419       | -0.008 |
| 329      | 30       | Unbiased            | 0.431      | 0.423       | -0.008 |
| 330      | 30       | Unbiased            | 0.427      | 0.419       | -0.008 |
| 331      | 30       | Unbiased            | 0.428      | 0.42        | -0.008 |
| 332      | 30       | Unbiased            | 0.433      | 0.425       | -0.008 |
| 333      | 50       | Bias                | 0.422      | 0.385       | -0.037 |
| 334      | 50       | Bias                | 0.427      | 0.39        | -0.037 |
| 335      | 50       | Bias                | 0.429      | 0.388       | -0.041 |
| 336      | 50       | Bias                | 0.43       | 0.39        | -0.04  |
| 337      | 50       | Bias                | 0.429      | 0.389       | -0.04  |
| 338      | 50       | Unbiased            | 0.427      | 0.416       | -0.011 |
| 339      | 50       | Unbiased            | 0.425      | 0.416       | -0.009 |
| 340      | 50       | Unbiased            | 0.428      | 0.417       | -0.011 |
| 341      | 50       | Unbiased            | 0.431      | 0.421       | -0.01  |
| 342      | 50       | Unbiased            | 0.426      | 0.415       | -0.011 |
| 343      | 100      | Bias                | 0.422      | 0.373       | -0.049 |
| 344      | 100      | Bias                | 0.429      | 0.378       | -0.051 |
| 345      | 100      | Bias                | 0.429      | 0.376       | -0.053 |
| 346      | 100      | Bias                | 0.435      | 0.381       | -0.054 |
| 347      | 100      | Bias                | 0.433      | 0.378       | -0.055 |
| 348      | 100      | Unbiased            | 0.425      | 0.411       | -0.014 |
| 349      | 100      | Unbiased            | 0.436      | 0.422       | -0.014 |
| 350      | 100      | Unbiased            | 0.429      | 0.413       | -0.016 |
| 351      | 100      | Unbiased            | 0.429      | 0.414       | -0.015 |
| 352      | 100      | Unbiased            | 0.421      | 0.407       | -0.014 |

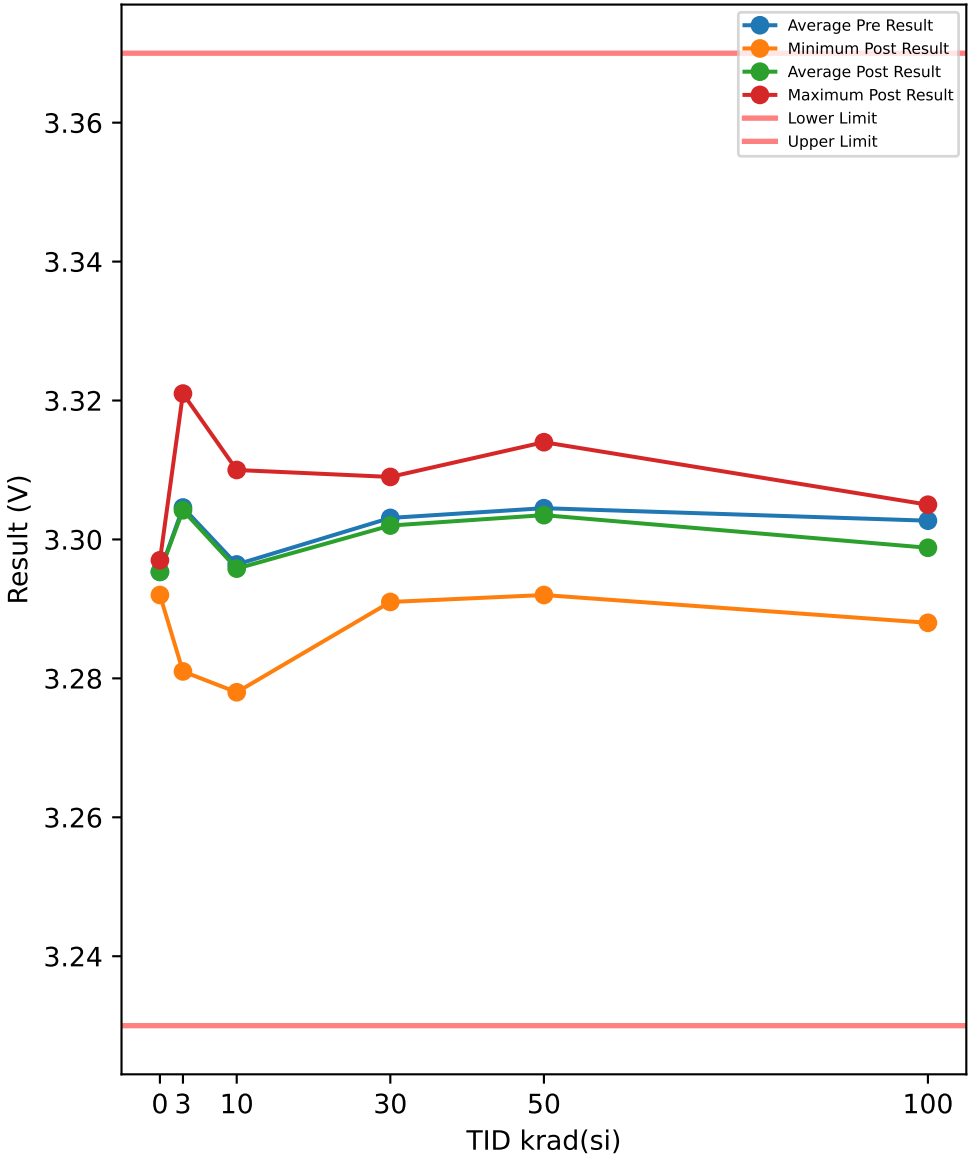
Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|------------|
| 0        | 0.423            | 0.426            | 0.428            | 0.0026458        | 0.421             | 0.42367           | 0.425             | 0.0023094         | -0.003    | -0.0023333 | -0.002    | 0.00057735 |
| 3        | 0.42             | 0.4288           | 0.433            | 0.0045166        | 0.419             | 0.424             | 0.428             | 0.0026667         | -0.009    | -0.0048    | -0.001    | 0.0033267  |
| 10       | 0.422            | 0.4294           | 0.434            | 0.0035024        | 0.414             | 0.4206            | 0.43              | 0.0051897         | -0.016    | -0.0088    | -0.004    | 0.005808   |
| 30       | 0.426            | 0.4309           | 0.441            | 0.0048408        | 0.394             | 0.4114            | 0.425             | 0.011355          | -0.033    | -0.0195    | -0.008    | 0.012222   |
| 50       | 0.422            | 0.4274           | 0.431            | 0.0026331        | 0.385             | 0.4027            | 0.421             | 0.015217          | -0.041    | -0.0247    | -0.009    | 0.015137   |
| 100      | 0.421            | 0.4288           | 0.436            | 0.0050509        | 0.373             | 0.3953            | 0.422             | 0.019528          | -0.055    | -0.0335    | -0.014    | 0.019996   |



Device Test: 6.9 ; VLDO\_REG

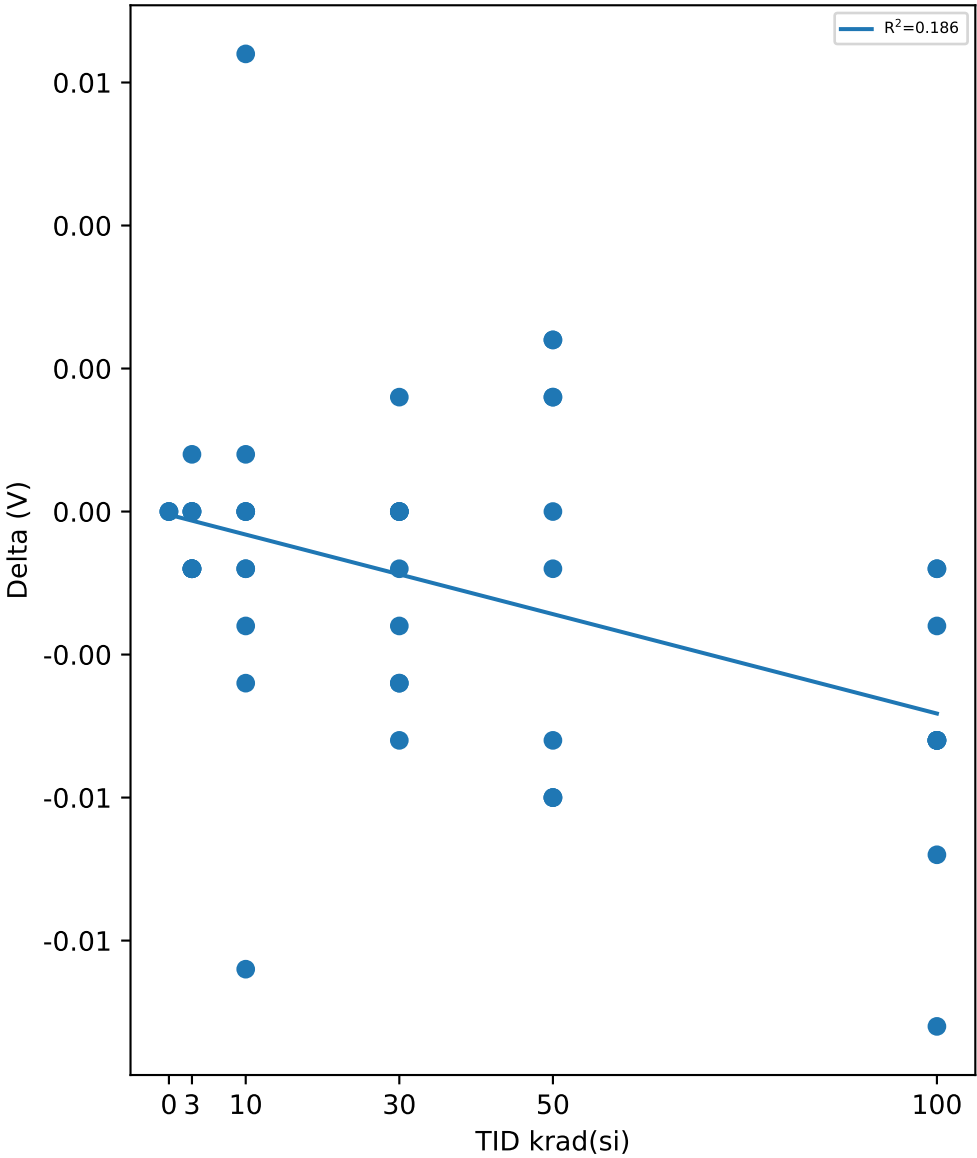
TID vs Result Stats



Test Results (Lower Limit = 3.23, Upper Limit = 3.37 (V))

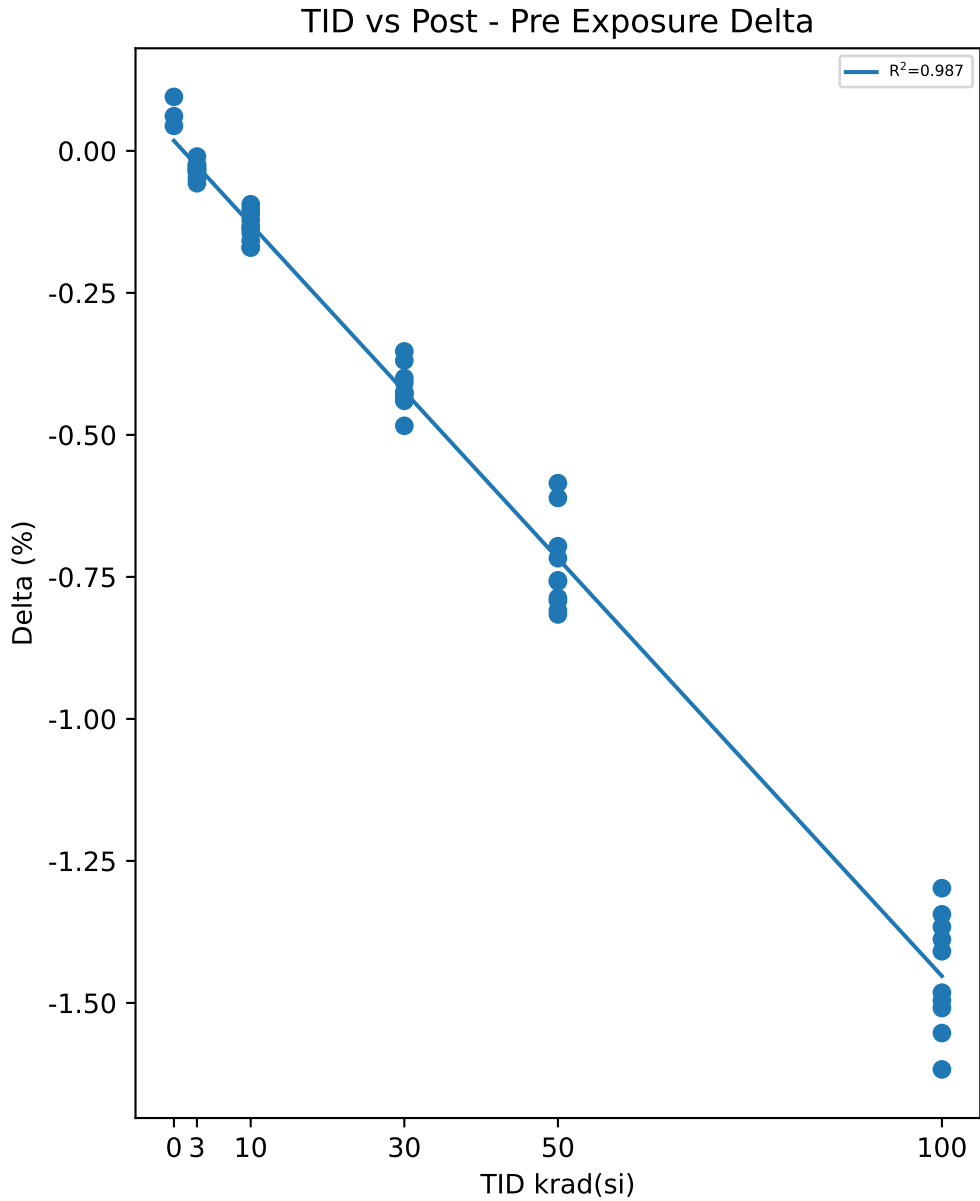
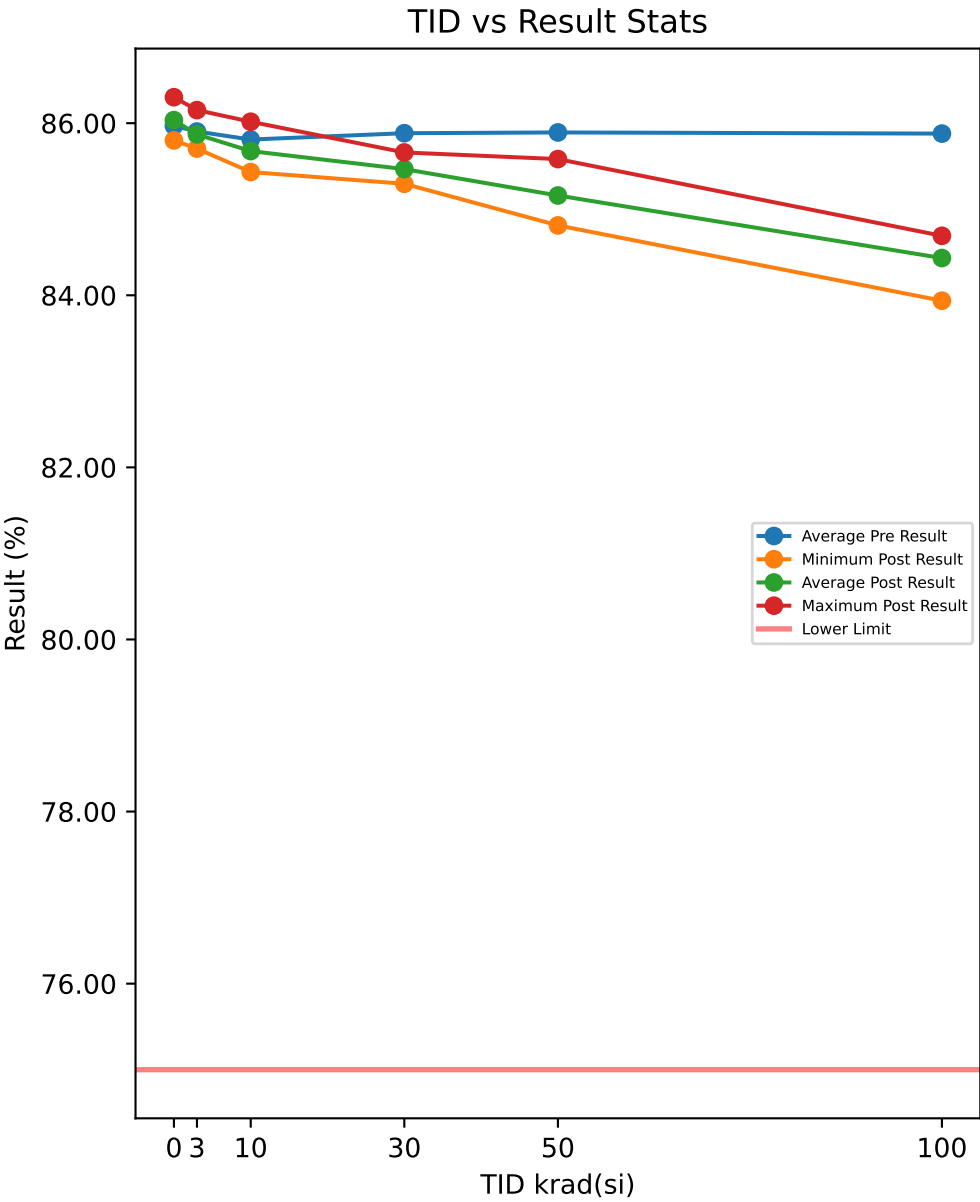
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 3.297      | 3.297       | 0      |
| 301      | 0        | Correlation         | 3.292      | 3.292       | 0      |
| 302      | 0        | Correlation         | 3.297      | 3.297       | 0      |
| 303      | 3        | Bias                | 3.281      | 3.281       | 0      |
| 304      | 3        | Bias                | 3.302      | 3.301       | -0.001 |
| 305      | 3        | Bias                | 3.305      | 3.306       | 0.001  |
| 306      | 3        | Bias                | 3.297      | 3.297       | 0      |
| 307      | 3        | Bias                | 3.322      | 3.321       | -0.001 |
| 308      | 3        | Unbiased            | 3.32       | 3.32        | 0      |
| 309      | 3        | Unbiased            | 3.301      | 3.301       | 0      |
| 310      | 3        | Unbiased            | 3.313      | 3.312       | -0.001 |
| 311      | 3        | Unbiased            | 3.293      | 3.292       | -0.001 |
| 312      | 3        | Unbiased            | 3.312      | 3.311       | -0.001 |
| 313      | 10       | Bias                | 3.307      | 3.307       | 0      |
| 314      | 10       | Bias                | 3.302      | 3.299       | -0.003 |
| 315      | 10       | Bias                | 3.294      | 3.294       | 0      |
| 316      | 10       | Bias                | 3.299      | 3.3         | 0.001  |
| 317      | 10       | Bias                | 3.298      | 3.297       | -0.001 |
| 318      | 10       | Unbiased            | 3.312      | 3.31        | -0.002 |
| 319      | 10       | Unbiased            | 3.294      | 3.293       | -0.001 |
| 320      | 10       | Unbiased            | 3.286      | 3.278       | -0.008 |
| 321      | 10       | Unbiased            | 3.278      | 3.286       | 0.008  |
| 322      | 10       | Unbiased            | 3.294      | 3.294       | 0      |
| 323      | 30       | Bias                | 3.304      | 3.303       | -0.001 |
| 324      | 30       | Bias                | 3.3        | 3.297       | -0.003 |
| 325      | 30       | Bias                | 3.304      | 3.304       | 0      |
| 326      | 30       | Bias                | 3.295      | 3.291       | -0.004 |
| 327      | 30       | Bias                | 3.306      | 3.306       | 0      |
| 328      | 30       | Unbiased            | 3.312      | 3.309       | -0.003 |
| 329      | 30       | Unbiased            | 3.304      | 3.304       | 0      |
| 330      | 30       | Unbiased            | 3.302      | 3.304       | 0.002  |
| 331      | 30       | Unbiased            | 3.309      | 3.307       | -0.002 |
| 332      | 30       | Unbiased            | 3.295      | 3.295       | 0      |
| 333      | 50       | Bias                | 3.297      | 3.292       | -0.005 |
| 334      | 50       | Bias                | 3.298      | 3.298       | 0      |
| 335      | 50       | Bias                | 3.3        | 3.299       | -0.001 |
| 336      | 50       | Bias                | 3.311      | 3.313       | 0.002  |
| 337      | 50       | Bias                | 3.306      | 3.302       | -0.004 |
| 338      | 50       | Unbiased            | 3.302      | 3.305       | 0.003  |
| 339      | 50       | Unbiased            | 3.319      | 3.314       | -0.005 |
| 340      | 50       | Unbiased            | 3.31       | 3.313       | 0.003  |
| 341      | 50       | Unbiased            | 3.302      | 3.297       | -0.005 |
| 342      | 50       | Unbiased            | 3.3        | 3.302       | 0.002  |
| 343      | 100      | Bias                | 3.309      | 3.305       | -0.004 |
| 344      | 100      | Bias                | 3.304      | 3.3         | -0.004 |
| 345      | 100      | Bias                | 3.305      | 3.301       | -0.004 |
| 346      | 100      | Bias                | 3.297      | 3.288       | -0.009 |
| 347      | 100      | Bias                | 3.292      | 3.288       | -0.004 |
| 348      | 100      | Unbiased            | 3.303      | 3.302       | -0.001 |
| 349      | 100      | Unbiased            | 3.303      | 3.297       | -0.006 |
| 350      | 100      | Unbiased            | 3.301      | 3.299       | -0.002 |
| 351      | 100      | Unbiased            | 3.309      | 3.305       | -0.004 |
| 352      | 100      | Unbiased            | 3.304      | 3.303       | -0.001 |

TID vs Post - Pre Exposure Delta



Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| 0        | 3.292            | 3.2953           | 3.297            | 0.0028868        | 3.292             | 3.2953            | 3.297             | 0.0028868         | 0         | 0         | 0         | 0          |
| 3        | 3.281            | 3.3046           | 3.322            | 0.012624         | 3.281             | 3.3042            | 3.321             | 0.012479          | -0.001    | -0.0004   | 0.001     | 0.00069921 |
| 10       | 3.278            | 3.2964           | 3.312            | 0.0097775        | 3.278             | 3.2958            | 3.31              | 0.009331          | -0.008    | -0.0006   | 0.008     | 0.0039497  |
| 30       | 3.295            | 3.3031           | 3.312            | 0.0054457        | 3.291             | 3.302             | 3.309             | 0.0057542         | -0.004    | -0.0011   | 0.002     | 0.0018529  |
| 50       | 3.297            | 3.3045           | 3.319            | 0.0069642        | 3.292             | 3.3035            | 3.314             | 0.0076194         | -0.005    | -0.001    | 0.003     | 0.0034641  |
| 100      | 3.292            | 3.3027           | 3.309            | 0.0051435        | 3.288             | 3.2988            | 3.305             | 0.0062147         | -0.009    | -0.0039   | -0.001    | 0.0023781  |

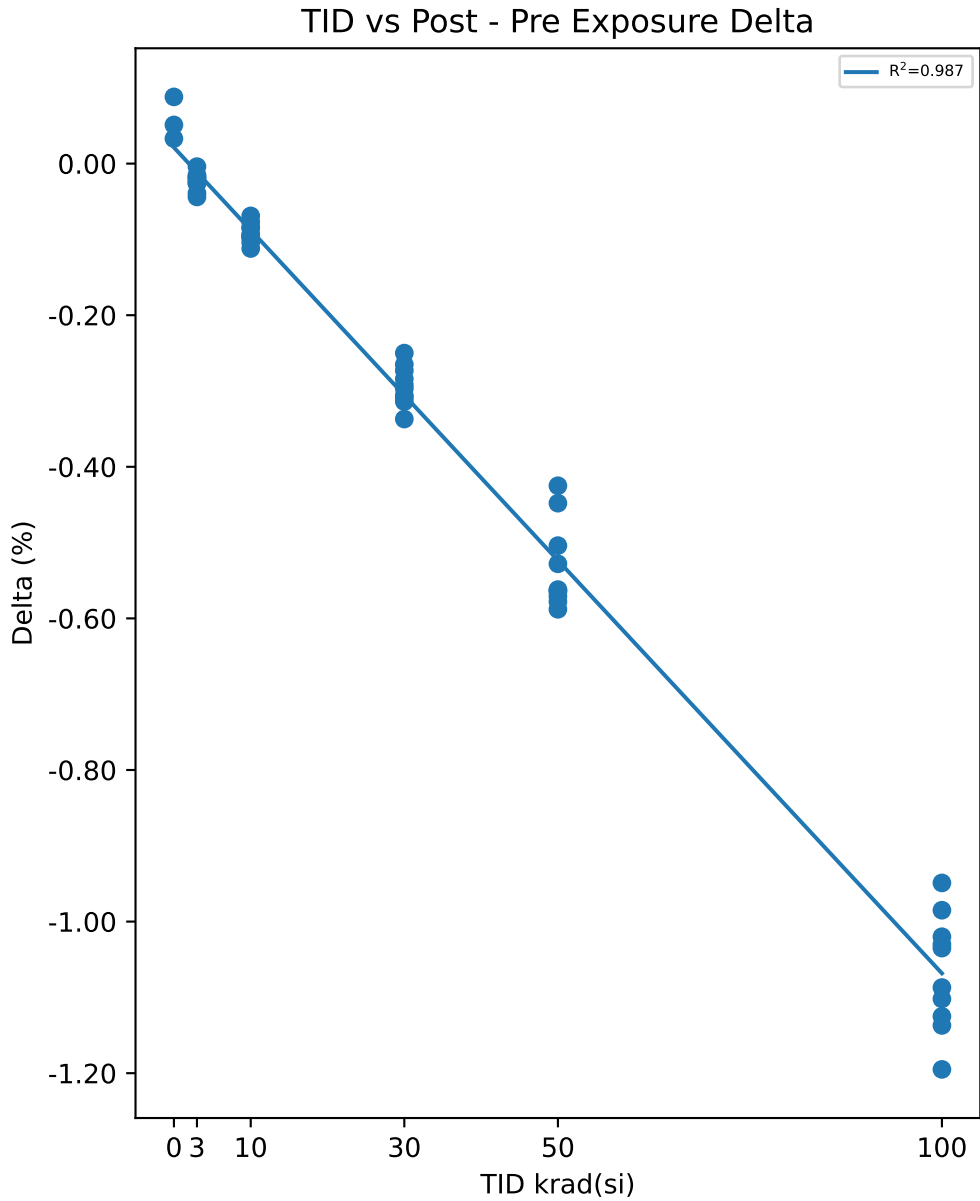
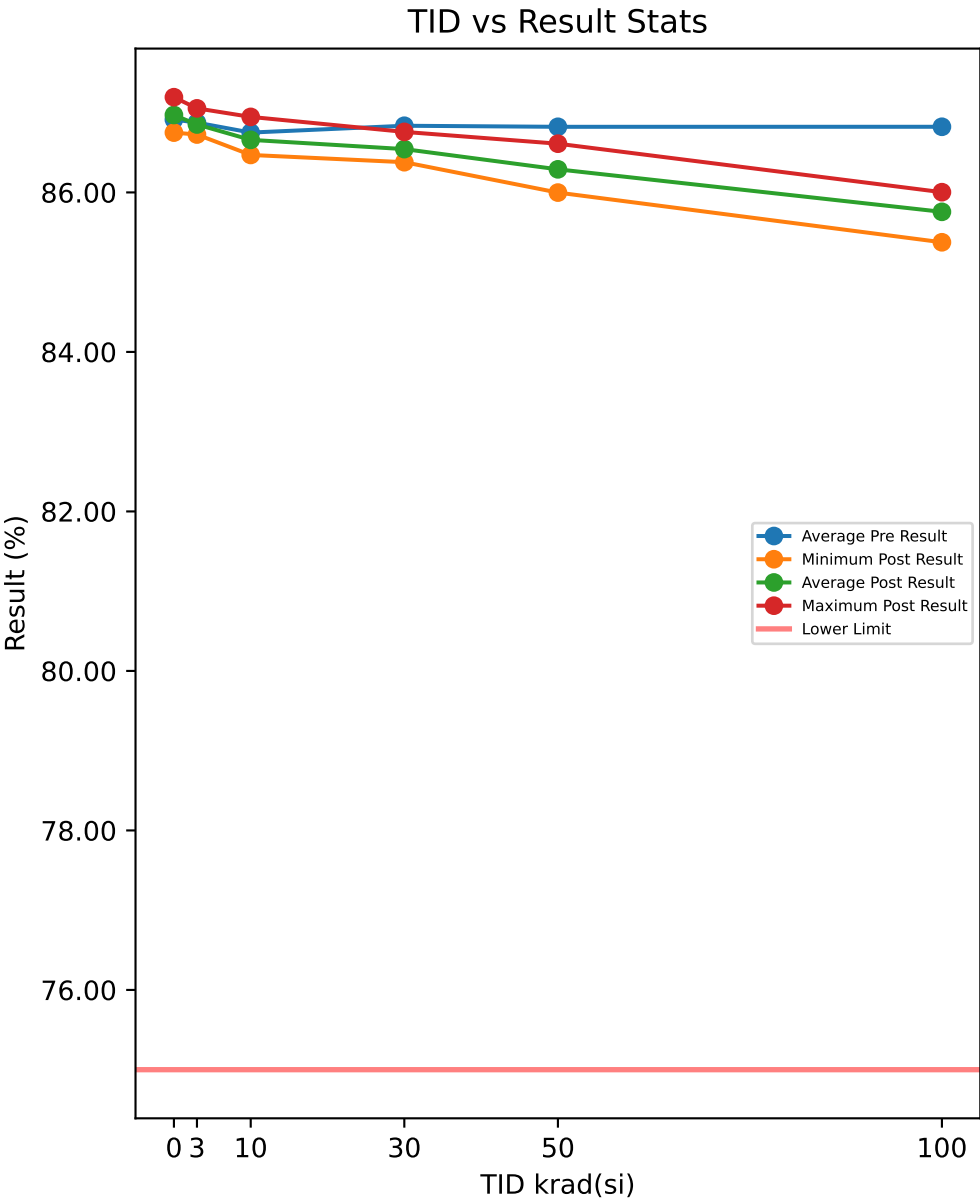


| Test Results (Lower Limit = 75.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 85.91      | 86.005      | 0.095  |
| 301                                   | 0        | Correlation         | 86.241     | 86.302      | 0.061  |
| 302                                   | 0        | Correlation         | 85.756     | 85.8        | 0.044  |
| 303                                   | 3        | Bias                | 85.773     | 85.763      | -0.01  |
| 304                                   | 3        | Bias                | 85.791     | 85.76       | -0.031 |
| 305                                   | 3        | Bias                | 85.912     | 85.888      | -0.024 |
| 306                                   | 3        | Bias                | 85.87      | 85.839      | -0.031 |
| 307                                   | 3        | Bias                | 85.737     | 85.705      | -0.032 |
| 308                                   | 3        | Unbiased            | 85.9       | 85.875      | -0.025 |
| 309                                   | 3        | Unbiased            | 85.872     | 85.824      | -0.048 |
| 310                                   | 3        | Unbiased            | 85.806     | 85.749      | -0.057 |
| 311                                   | 3        | Unbiased            | 86.189     | 86.152      | -0.037 |
| 312                                   | 3        | Unbiased            | 86.179     | 86.141      | -0.038 |
| 313                                   | 10       | Bias                | 85.904     | 85.767      | -0.137 |
| 314                                   | 10       | Bias                | 85.817     | 85.684      | -0.133 |
| 315                                   | 10       | Bias                | 85.602     | 85.432      | -0.17  |
| 316                                   | 10       | Bias                | 86.161     | 86.017      | -0.144 |
| 317                                   | 10       | Bias                | 85.678     | 85.52       | -0.158 |
| 318                                   | 10       | Unbiased            | 85.864     | 85.752      | -0.112 |
| 319                                   | 10       | Unbiased            | 85.715     | 85.612      | -0.103 |
| 320                                   | 10       | Unbiased            | 85.754     | 85.66       | -0.094 |
| 321                                   | 10       | Unbiased            | 85.788     | 85.618      | -0.17  |
| 322                                   | 10       | Unbiased            | 85.817     | 85.695      | -0.122 |
| 323                                   | 30       | Bias                | 85.822     | 85.397      | -0.425 |
| 324                                   | 30       | Bias                | 85.954     | 85.554      | -0.4   |
| 325                                   | 30       | Bias                | 85.78      | 85.296      | -0.484 |
| 326                                   | 30       | Bias                | 86.075     | 85.649      | -0.426 |
| 327                                   | 30       | Bias                | 85.776     | 85.336      | -0.44  |
| 328                                   | 30       | Unbiased            | 85.91      | 85.541      | -0.369 |
| 329                                   | 30       | Unbiased            | 85.844     | 85.491      | -0.353 |
| 330                                   | 30       | Unbiased            | 86.068     | 85.66       | -0.408 |
| 331                                   | 30       | Unbiased            | 85.839     | 85.41       | -0.429 |
| 332                                   | 30       | Unbiased            | 85.768     | 85.33       | -0.438 |
| 333                                   | 50       | Bias                | 86.194     | 85.583      | -0.611 |
| 334                                   | 50       | Bias                | 85.77      | 85.074      | -0.696 |
| 335                                   | 50       | Bias                | 85.742     | 84.926      | -0.816 |
| 336                                   | 50       | Bias                | 85.854     | 85.045      | -0.809 |
| 337                                   | 50       | Bias                | 85.599     | 84.812      | -0.787 |
| 338                                   | 50       | Unbiased            | 86.131     | 85.546      | -0.585 |
| 339                                   | 50       | Unbiased            | 85.84      | 85.123      | -0.717 |
| 340                                   | 50       | Unbiased            | 85.862     | 85.07       | -0.792 |
| 341                                   | 50       | Unbiased            | 86.014     | 85.258      | -0.756 |
| 342                                   | 50       | Unbiased            | 85.918     | 85.16       | -0.758 |
| 343                                   | 100      | Bias                | 85.975     | 84.609      | -1.366 |
| 344                                   | 100      | Bias                | 85.88      | 84.492      | -1.388 |
| 345                                   | 100      | Bias                | 86.024     | 84.515      | -1.509 |
| 346                                   | 100      | Bias                | 85.554     | 83.937      | -1.617 |
| 347                                   | 100      | Bias                | 85.739     | 84.257      | -1.482 |
| 348                                   | 100      | Unbiased            | 85.932     | 84.588      | -1.344 |
| 349                                   | 100      | Unbiased            | 85.947     | 84.649      | -1.298 |
| 350                                   | 100      | Unbiased            | 85.89      | 84.394      | -1.496 |
| 351                                   | 100      | Unbiased            | 85.749     | 84.196      | -1.553 |
| 352                                   | 100      | Unbiased            | 86.1       | 84.691      | -1.409 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 85.756           | 85.969           | 86.241           | 0.24782          | 85.8              | 86.036            | 86.302            | 0.2524            | 0.044     | 0.066667  | 0.095     | 0.025968  |
| 3        | 85.737           | 85.903           | 86.189           | 0.15865          | 85.705            | 85.87             | 86.152            | 0.15699           | -0.057    | -0.0333   | -0.01     | 0.013013  |
| 10       | 85.602           | 85.81            | 86.161           | 0.15216          | 85.432            | 85.676            | 86.017            | 0.15718           | -0.17     | -0.1343   | -0.094    | 0.026804  |
| 30       | 85.768           | 85.884           | 86.075           | 0.11514          | 85.296            | 85.466            | 85.66             | 0.13221           | -0.484    | -0.4172   | -0.353    | 0.037294  |
| 50       | 85.599           | 85.892           | 86.194           | 0.18017          | 84.812            | 85.16             | 85.583            | 0.24574           | -0.816    | -0.7327   | -0.585    | 0.080711  |
| 100      | 85.554           | 85.879           | 86.1             | 0.15943          | 83.937            | 84.433            | 84.691            | 0.23877           | -1.617    | -1.4462   | -1.298    | 0.10105   |

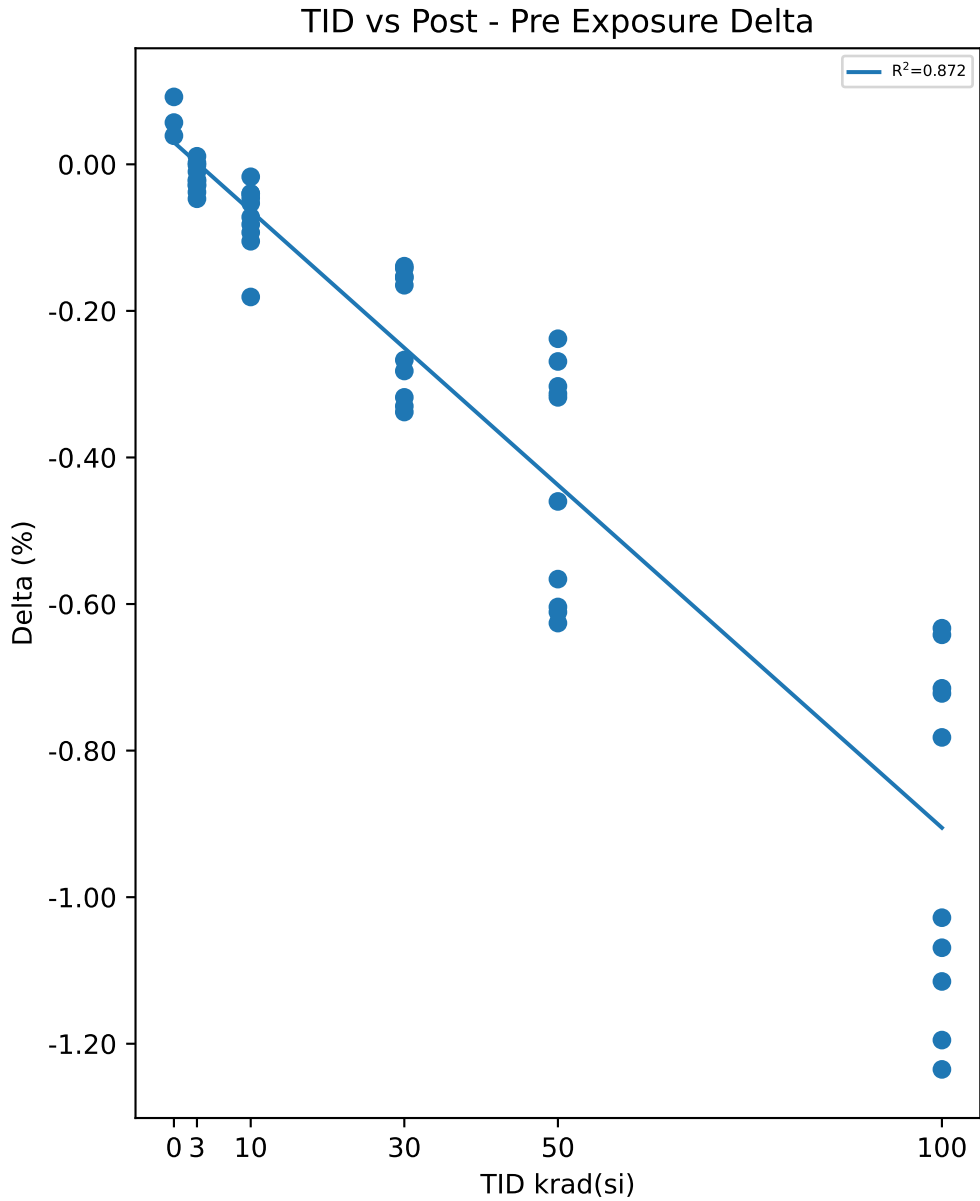
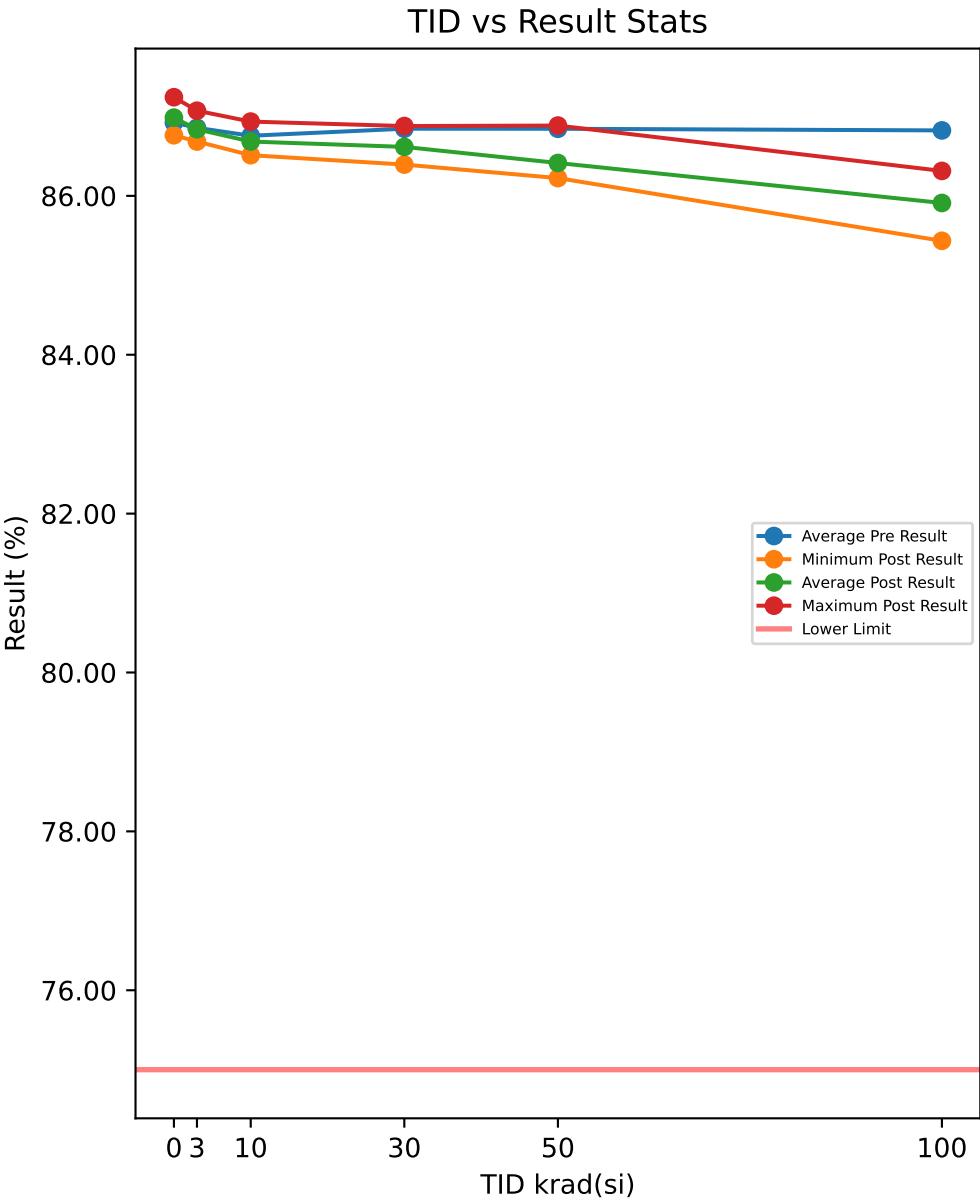




| Test Results (Lower Limit = 75.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 86.881     | 86.969      | 0.088  |
| 301                                   | 0        | Correlation         | 87.143     | 87.194      | 0.051  |
| 302                                   | 0        | Correlation         | 86.717     | 86.75       | 0.033  |
| 303                                   | 3        | Bias                | 86.843     | 86.839      | -0.004 |
| 304                                   | 3        | Bias                | 86.795     | 86.777      | -0.018 |
| 305                                   | 3        | Bias                | 86.92      | 86.905      | -0.015 |
| 306                                   | 3        | Bias                | 86.799     | 86.776      | -0.023 |
| 307                                   | 3        | Bias                | 86.775     | 86.755      | -0.02  |
| 308                                   | 3        | Unbiased            | 86.859     | 86.841      | -0.018 |
| 309                                   | 3        | Unbiased            | 86.842     | 86.803      | -0.039 |
| 310                                   | 3        | Unbiased            | 86.77      | 86.726      | -0.044 |
| 311                                   | 3        | Unbiased            | 87.069     | 87.043      | -0.026 |
| 312                                   | 3        | Unbiased            | 87.08      | 87.054      | -0.026 |
| 313                                   | 10       | Bias                | 86.845     | 86.749      | -0.096 |
| 314                                   | 10       | Bias                | 86.811     | 86.718      | -0.093 |
| 315                                   | 10       | Bias                | 86.582     | 86.47       | -0.112 |
| 316                                   | 10       | Bias                | 87.043     | 86.947      | -0.096 |
| 317                                   | 10       | Bias                | 86.619     | 86.515      | -0.104 |
| 318                                   | 10       | Unbiased            | 86.871     | 86.794      | -0.077 |
| 319                                   | 10       | Unbiased            | 86.668     | 86.599      | -0.069 |
| 320                                   | 10       | Unbiased            | 86.658     | 86.573      | -0.085 |
| 321                                   | 10       | Unbiased            | 86.659     | 86.561      | -0.098 |
| 322                                   | 10       | Unbiased            | 86.749     | 86.665      | -0.084 |
| 323                                   | 30       | Bias                | 86.858     | 86.561      | -0.297 |
| 324                                   | 30       | Bias                | 86.82      | 86.536      | -0.284 |
| 325                                   | 30       | Bias                | 86.716     | 86.379      | -0.337 |
| 326                                   | 30       | Bias                | 87.008     | 86.735      | -0.273 |
| 327                                   | 30       | Bias                | 86.744     | 86.438      | -0.306 |
| 328                                   | 30       | Unbiased            | 86.846     | 86.581      | -0.265 |
| 329                                   | 30       | Unbiased            | 86.801     | 86.551      | -0.25  |
| 330                                   | 30       | Unbiased            | 87.051     | 86.759      | -0.292 |
| 331                                   | 30       | Unbiased            | 86.769     | 86.46       | -0.309 |
| 332                                   | 30       | Unbiased            | 86.747     | 86.433      | -0.314 |
| 333                                   | 50       | Bias                | 87.059     | 86.611      | -0.448 |
| 334                                   | 50       | Bias                | 86.65      | 86.146      | -0.504 |
| 335                                   | 50       | Bias                | 86.697     | 86.119      | -0.578 |
| 336                                   | 50       | Bias                | 86.834     | 86.263      | -0.571 |
| 337                                   | 50       | Bias                | 86.563     | 85.998      | -0.565 |
| 338                                   | 50       | Unbiased            | 87.009     | 86.584      | -0.425 |
| 339                                   | 50       | Unbiased            | 86.838     | 86.31       | -0.528 |
| 340                                   | 50       | Unbiased            | 86.816     | 86.228      | -0.588 |
| 341                                   | 50       | Unbiased            | 86.936     | 86.374      | -0.562 |
| 342                                   | 50       | Unbiased            | 86.826     | 86.263      | -0.563 |
| 343                                   | 100      | Bias                | 86.93      | 85.91       | -1.02  |
| 344                                   | 100      | Bias                | 86.827     | 85.792      | -1.035 |
| 345                                   | 100      | Bias                | 86.969     | 85.844      | -1.125 |
| 346                                   | 100      | Bias                | 86.57      | 85.375      | -1.195 |
| 347                                   | 100      | Bias                | 86.748     | 85.646      | -1.102 |
| 348                                   | 100      | Unbiased            | 86.87      | 85.885      | -0.985 |
| 349                                   | 100      | Unbiased            | 86.827     | 85.878      | -0.949 |
| 350                                   | 100      | Unbiased            | 86.812     | 85.725      | -1.087 |
| 351                                   | 100      | Unbiased            | 86.646     | 85.509      | -1.137 |
| 352                                   | 100      | Unbiased            | 87.033     | 86.003      | -1.03  |

Test Statistics (%)

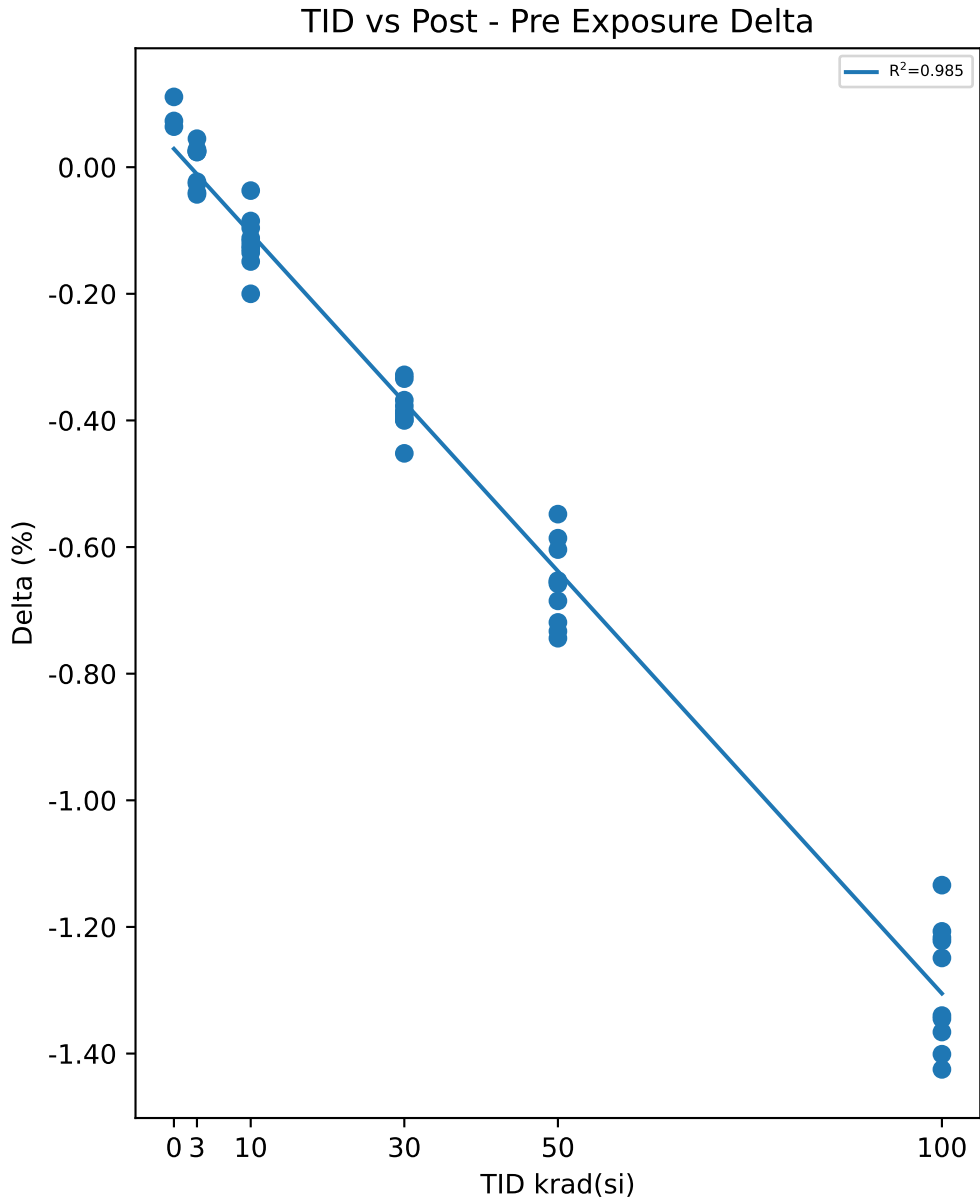
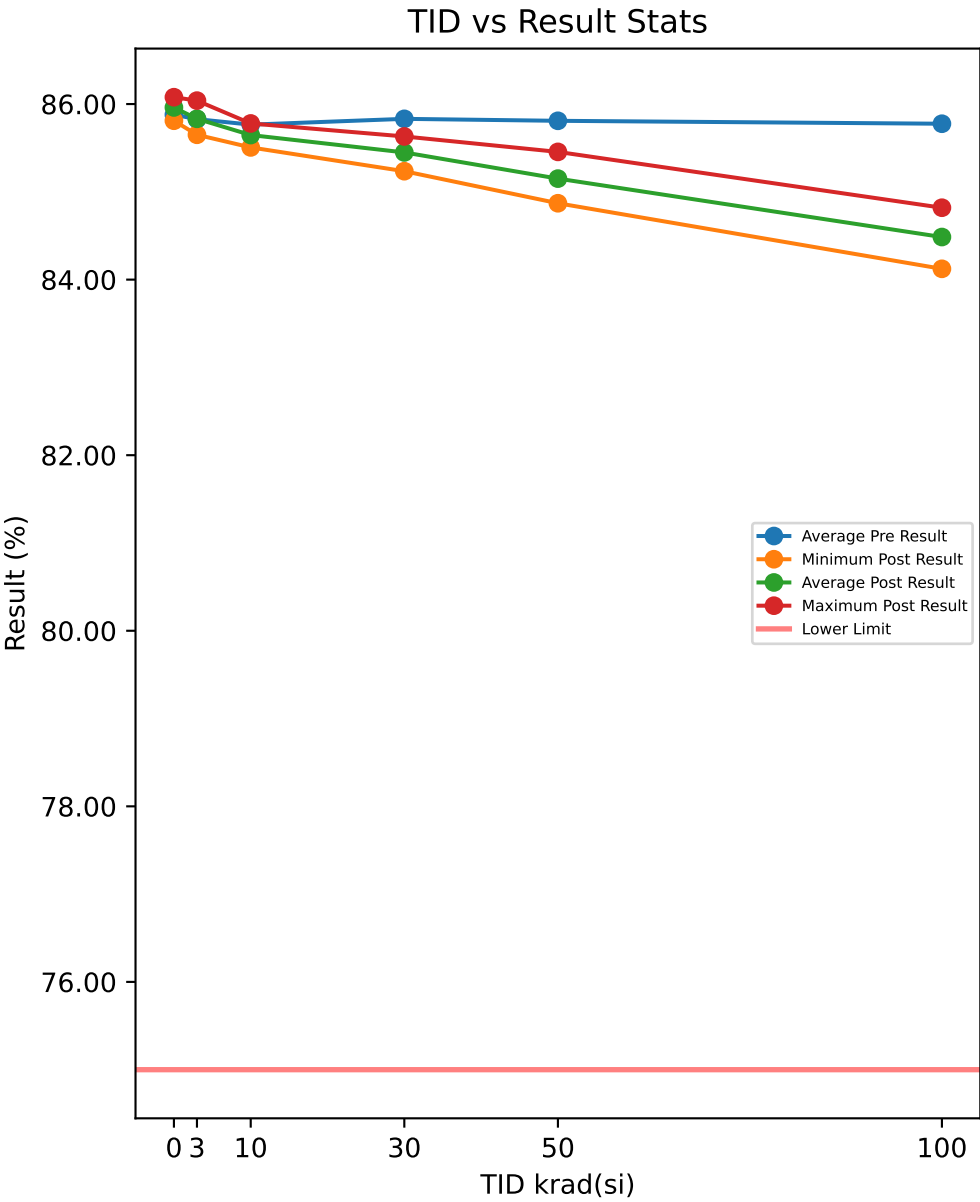
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 86.717           | 86.914           | 87.143           | 0.21487          | 86.75             | 86.971            | 87.194            | 0.22201           | 0.033     | 0.057333  | 0.088     | 0.028042  |
| 3        | 86.77            | 86.875           | 87.08            | 0.11414          | 86.726            | 86.852            | 87.054            | 0.11522           | -0.044    | -0.0233   | -0.004    | 0.011538  |
| 10       | 86.582           | 86.751           | 87.043           | 0.14224          | 86.47             | 86.659            | 86.947            | 0.14524           | -0.112    | -0.0914   | -0.069    | 0.012808  |
| 30       | 86.716           | 86.836           | 87.051           | 0.11212          | 86.379            | 86.543            | 86.759            | 0.12575           | -0.337    | -0.2927   | -0.25     | 0.025673  |
| 50       | 86.563           | 86.823           | 87.059           | 0.15523          | 85.998            | 86.29             | 86.611            | 0.19364           | -0.588    | -0.5332   | -0.425    | 0.056778  |
| 100      | 86.57            | 86.823           | 87.033           | 0.1415           | 85.375            | 85.757            | 86.003            | 0.19565           | -1.195    | -1.0665   | -0.949    | 0.07566   |



| Test Results (Lower Limit = 75.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 86.857     | 86.949      | 0.092  |
| 301                                   | 0        | Correlation         | 87.185     | 87.242      | 0.057  |
| 302                                   | 0        | Correlation         | 86.724     | 86.763      | 0.039  |
| 303                                   | 3        | Bias                | 86.775     | 86.786      | 0.011  |
| 304                                   | 3        | Bias                | 86.788     | 86.787      | -0.001 |
| 305                                   | 3        | Bias                | 86.911     | 86.913      | 0.002  |
| 306                                   | 3        | Bias                | 86.807     | 86.797      | -0.01  |
| 307                                   | 3        | Bias                | 86.705     | 86.684      | -0.021 |
| 308                                   | 3        | Unbiased            | 86.809     | 86.786      | -0.023 |
| 309                                   | 3        | Unbiased            | 86.842     | 86.804      | -0.038 |
| 310                                   | 3        | Unbiased            | 86.735     | 86.688      | -0.047 |
| 311                                   | 3        | Unbiased            | 87.101     | 87.072      | -0.029 |
| 312                                   | 3        | Unbiased            | 87.095     | 87.067      | -0.028 |
| 313                                   | 10       | Bias                | 86.903     | 86.863      | -0.04  |
| 314                                   | 10       | Bias                | 86.823     | 86.783      | -0.04  |
| 315                                   | 10       | Bias                | 86.586     | 86.533      | -0.053 |
| 316                                   | 10       | Bias                | 87.04      | 86.935      | -0.105 |
| 317                                   | 10       | Bias                | 86.611     | 86.565      | -0.046 |
| 318                                   | 10       | Unbiased            | 86.889     | 86.807      | -0.082 |
| 319                                   | 10       | Unbiased            | 86.663     | 86.591      | -0.072 |
| 320                                   | 10       | Unbiased            | 86.617     | 86.6        | -0.017 |
| 321                                   | 10       | Unbiased            | 86.693     | 86.512      | -0.181 |
| 322                                   | 10       | Unbiased            | 86.743     | 86.65       | -0.093 |
| 323                                   | 30       | Bias                | 86.835     | 86.682      | -0.153 |
| 324                                   | 30       | Bias                | 86.889     | 86.747      | -0.142 |
| 325                                   | 30       | Bias                | 86.706     | 86.541      | -0.165 |
| 326                                   | 30       | Bias                | 87.018     | 86.879      | -0.139 |
| 327                                   | 30       | Bias                | 86.759     | 86.604      | -0.155 |
| 328                                   | 30       | Unbiased            | 86.867     | 86.585      | -0.282 |
| 329                                   | 30       | Unbiased            | 86.797     | 86.53       | -0.267 |
| 330                                   | 30       | Unbiased            | 87.085     | 86.767      | -0.318 |
| 331                                   | 30       | Unbiased            | 86.765     | 86.435      | -0.33  |
| 332                                   | 30       | Unbiased            | 86.732     | 86.394      | -0.338 |
| 333                                   | 50       | Bias                | 87.123     | 86.885      | -0.238 |
| 334                                   | 50       | Bias                | 86.638     | 86.369      | -0.269 |
| 335                                   | 50       | Bias                | 86.728     | 86.41       | -0.318 |
| 336                                   | 50       | Bias                | 86.854     | 86.541      | -0.313 |
| 337                                   | 50       | Bias                | 86.596     | 86.293      | -0.303 |
| 338                                   | 50       | Unbiased            | 87.041     | 86.581      | -0.46  |
| 339                                   | 50       | Unbiased            | 86.833     | 86.267      | -0.566 |
| 340                                   | 50       | Unbiased            | 86.85      | 86.224      | -0.626 |
| 341                                   | 50       | Unbiased            | 86.926     | 86.315      | -0.611 |
| 342                                   | 50       | Unbiased            | 86.858     | 86.254      | -0.604 |
| 343                                   | 100      | Bias                | 86.947     | 86.314      | -0.633 |
| 344                                   | 100      | Bias                | 86.825     | 86.183      | -0.642 |
| 345                                   | 100      | Bias                | 86.985     | 86.27       | -0.715 |
| 346                                   | 100      | Bias                | 86.544     | 85.762      | -0.782 |
| 347                                   | 100      | Bias                | 86.737     | 86.015      | -0.722 |
| 348                                   | 100      | Unbiased            | 86.867     | 85.798      | -1.069 |
| 349                                   | 100      | Unbiased            | 86.81      | 85.782      | -1.028 |
| 350                                   | 100      | Unbiased            | 86.813     | 85.618      | -1.195 |
| 351                                   | 100      | Unbiased            | 86.669     | 85.434      | -1.235 |
| 352                                   | 100      | Unbiased            | 87.043     | 85.928      | -1.115 |

Test Statistics (%)

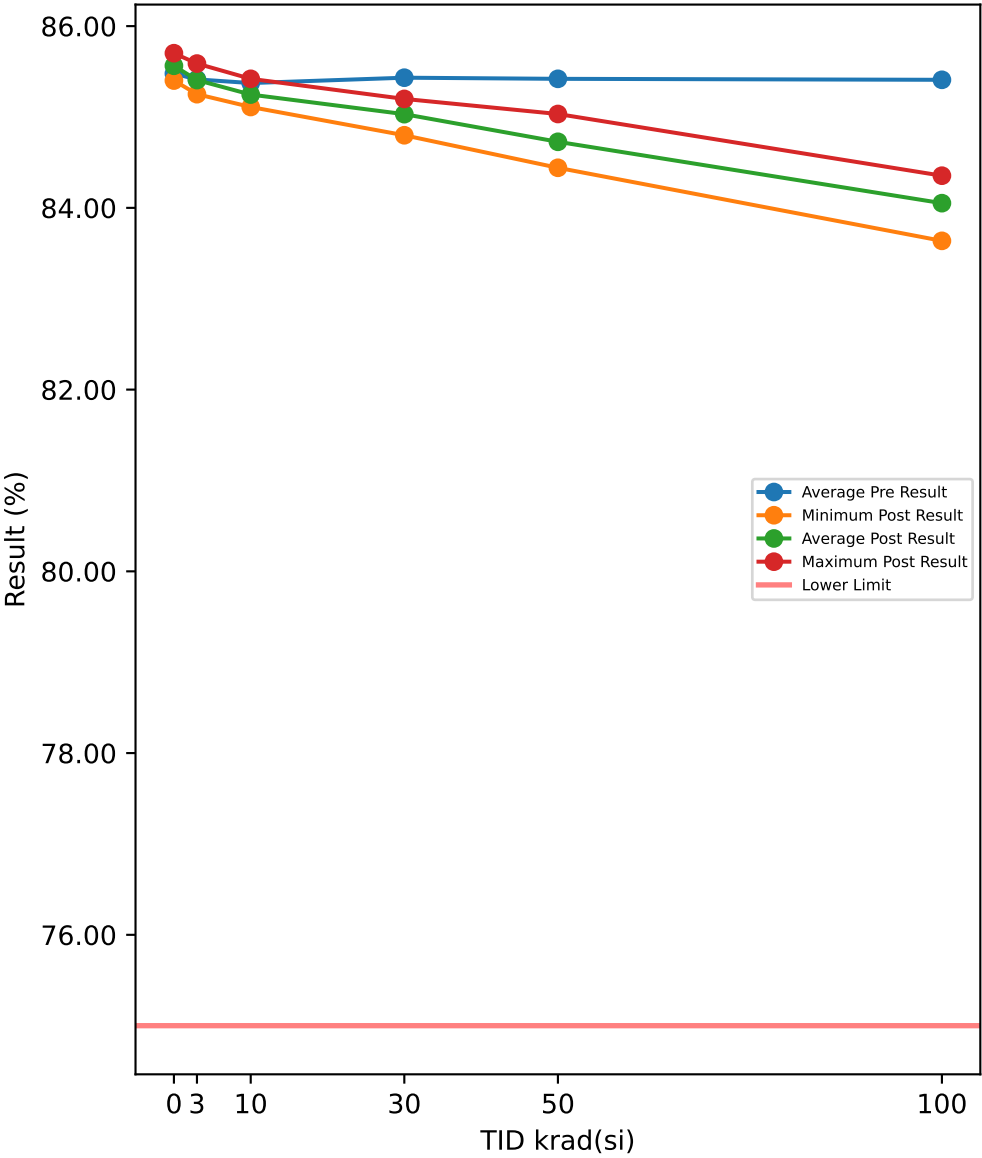
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 86.724           | 86.922           | 87.185           | 0.23727          | 86.763            | 86.985            | 87.242            | 0.24148           | 0.039     | 0.062667  | 0.092     | 0.026951  |
| 3        | 86.705           | 86.857           | 87.101           | 0.13888          | 86.684            | 86.838            | 87.072            | 0.13739           | -0.047    | -0.0184   | 0.011     | 0.018524  |
| 10       | 86.586           | 86.757           | 87.04            | 0.15146          | 86.512            | 86.684            | 86.935            | 0.15033           | -0.181    | -0.0729   | -0.017    | 0.046682  |
| 30       | 86.706           | 86.845           | 87.085           | 0.12393          | 86.394            | 86.616            | 86.879            | 0.15263           | -0.338    | -0.2289   | -0.139    | 0.085162  |
| 50       | 86.596           | 86.845           | 87.123           | 0.16371          | 86.224            | 86.414            | 86.885            | 0.2043            | -0.626    | -0.4308   | -0.238    | 0.15846   |
| 100      | 86.544           | 86.824           | 87.043           | 0.14951          | 85.434            | 85.91             | 86.314            | 0.28701           | -1.235    | -0.9136   | -0.633    | 0.23717   |



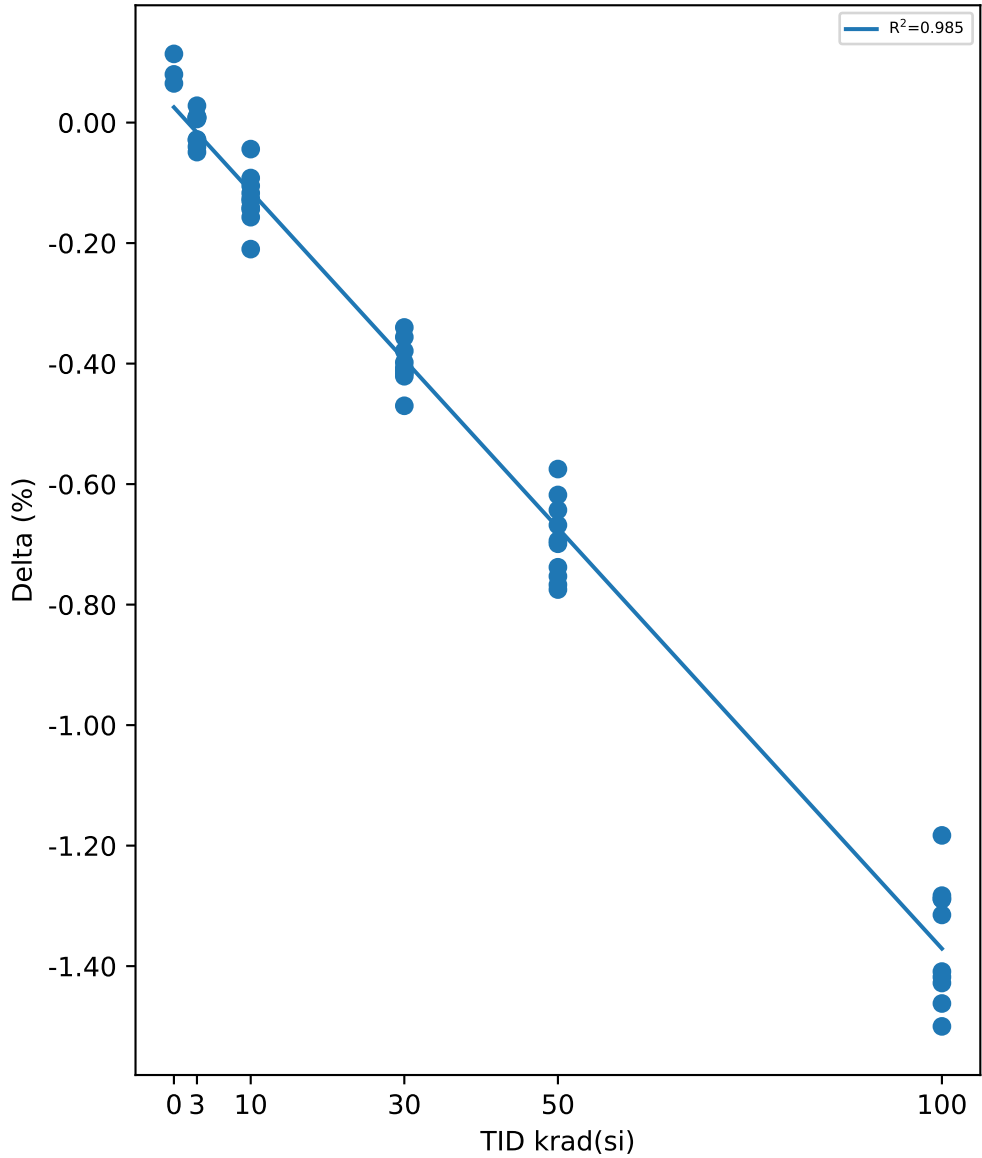
| Test Results (Lower Limit = 75.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 85.885     | 85.996      | 0.111  |
| 301                                   | 0        | Correlation         | 86.005     | 86.078      | 0.073  |
| 302                                   | 0        | Correlation         | 85.746     | 85.81       | 0.064  |
| 303                                   | 3        | Bias                | 85.717     | 85.762      | 0.045  |
| 304                                   | 3        | Bias                | 85.729     | 85.753      | 0.024  |
| 305                                   | 3        | Bias                | 85.923     | 85.951      | 0.028  |
| 306                                   | 3        | Bias                | 85.784     | 85.808      | 0.024  |
| 307                                   | 3        | Bias                | 85.625     | 85.65       | 0.025  |
| 308                                   | 3        | Unbiased            | 85.851     | 85.877      | 0.026  |
| 309                                   | 3        | Unbiased            | 85.815     | 85.775      | -0.04  |
| 310                                   | 3        | Unbiased            | 85.759     | 85.716      | -0.043 |
| 311                                   | 3        | Unbiased            | 86.065     | 86.039      | -0.026 |
| 312                                   | 3        | Unbiased            | 86.011     | 85.988      | -0.023 |
| 313                                   | 10       | Bias                | 85.896     | 85.779      | -0.117 |
| 314                                   | 10       | Bias                | 85.856     | 85.732      | -0.124 |
| 315                                   | 10       | Bias                | 85.712     | 85.563      | -0.149 |
| 316                                   | 10       | Bias                | 85.904     | 85.775      | -0.129 |
| 317                                   | 10       | Bias                | 85.76      | 85.625      | -0.135 |
| 318                                   | 10       | Unbiased            | 85.793     | 85.697      | -0.096 |
| 319                                   | 10       | Unbiased            | 85.707     | 85.622      | -0.085 |
| 320                                   | 10       | Unbiased            | 85.623     | 85.586      | -0.037 |
| 321                                   | 10       | Unbiased            | 85.706     | 85.506      | -0.2   |
| 322                                   | 10       | Unbiased            | 85.696     | 85.584      | -0.112 |
| 323                                   | 30       | Bias                | 85.821     | 85.436      | -0.385 |
| 324                                   | 30       | Bias                | 85.906     | 85.538      | -0.368 |
| 325                                   | 30       | Bias                | 85.687     | 85.235      | -0.452 |
| 326                                   | 30       | Bias                | 85.938     | 85.545      | -0.393 |
| 327                                   | 30       | Bias                | 85.843     | 85.454      | -0.389 |
| 328                                   | 30       | Unbiased            | 85.899     | 85.565      | -0.334 |
| 329                                   | 30       | Unbiased            | 85.762     | 85.434      | -0.328 |
| 330                                   | 30       | Unbiased            | 86.008     | 85.631      | -0.377 |
| 331                                   | 30       | Unbiased            | 85.763     | 85.364      | -0.399 |
| 332                                   | 30       | Unbiased            | 85.687     | 85.287      | -0.4   |
| 333                                   | 50       | Bias                | 86.041     | 85.455      | -0.586 |
| 334                                   | 50       | Bias                | 85.598     | 84.945      | -0.653 |
| 335                                   | 50       | Bias                | 85.738     | 84.994      | -0.744 |
| 336                                   | 50       | Bias                | 85.819     | 85.086      | -0.733 |
| 337                                   | 50       | Bias                | 85.589     | 84.87       | -0.719 |
| 338                                   | 50       | Unbiased            | 85.958     | 85.41       | -0.548 |
| 339                                   | 50       | Unbiased            | 85.856     | 85.252      | -0.604 |
| 340                                   | 50       | Unbiased            | 85.733     | 85.048      | -0.685 |
| 341                                   | 50       | Unbiased            | 85.923     | 85.265      | -0.658 |
| 342                                   | 50       | Unbiased            | 85.836     | 85.181      | -0.655 |
| 343                                   | 100      | Bias                | 85.857     | 84.64       | -1.217 |
| 344                                   | 100      | Bias                | 85.799     | 84.577      | -1.222 |
| 345                                   | 100      | Bias                | 85.852     | 84.486      | -1.366 |
| 346                                   | 100      | Bias                | 85.548     | 84.123      | -1.425 |
| 347                                   | 100      | Bias                | 85.708     | 84.368      | -1.34  |
| 348                                   | 100      | Unbiased            | 85.769     | 84.562      | -1.207 |
| 349                                   | 100      | Unbiased            | 85.82      | 84.686      | -1.134 |
| 350                                   | 100      | Unbiased            | 85.759     | 84.414      | -1.345 |
| 351                                   | 100      | Unbiased            | 85.578     | 84.177      | -1.401 |
| 352                                   | 100      | Unbiased            | 86.068     | 84.819      | -1.249 |

| Test Statistics (%) |                  |                  |                  |                  |                   |                   |                   |                   |           |           |           |           |
|---------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| krad(si)            | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
| 0                   | 85.746           | 85.879           | 86.005           | 0.12962          | 85.81             | 85.961            | 86.078            | 0.13732           | 0.064     | 0.082667  | 0.111     | 0.024947  |
| 3                   | 85.625           | 85.828           | 86.065           | 0.1372           | 85.65             | 85.832            | 86.039            | 0.12689           | -0.043    | 0.004     | 0.045     | 0.032924  |
| 10                  | 85.623           | 85.765           | 85.904           | 0.094369         | 85.506            | 85.647            | 85.779            | 0.093849          | -0.2      | -0.1184   | -0.037    | 0.042558  |
| 30                  | 85.687           | 85.831           | 86.008           | 0.10756          | 85.235            | 85.449            | 85.631            | 0.12623           | -0.452    | -0.3825   | -0.328    | 0.035167  |
| 50                  | 85.589           | 85.809           | 86.041           | 0.1475           | 84.87             | 85.151            | 85.455            | 0.19564           | -0.744    | -0.6585   | -0.548    | 0.064724  |
| 100                 | 85.548           | 85.776           | 86.068           | 0.14765          | 84.123            | 84.485            | 84.819            | 0.21985           | -1.425    | -1.2906   | -1.134    | 0.097012  |

TID vs Result Stats



TID vs Post - Pre Exposure Delta



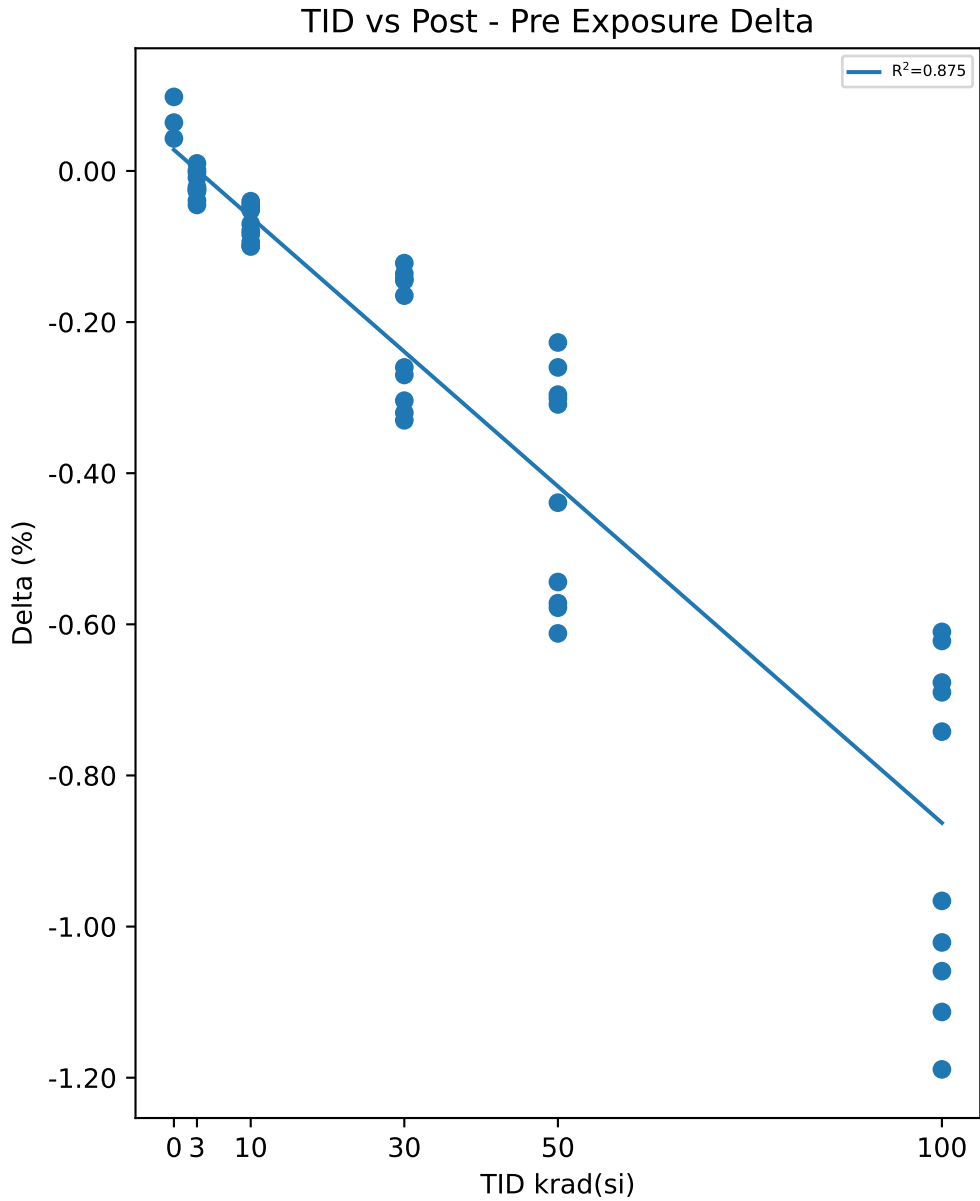
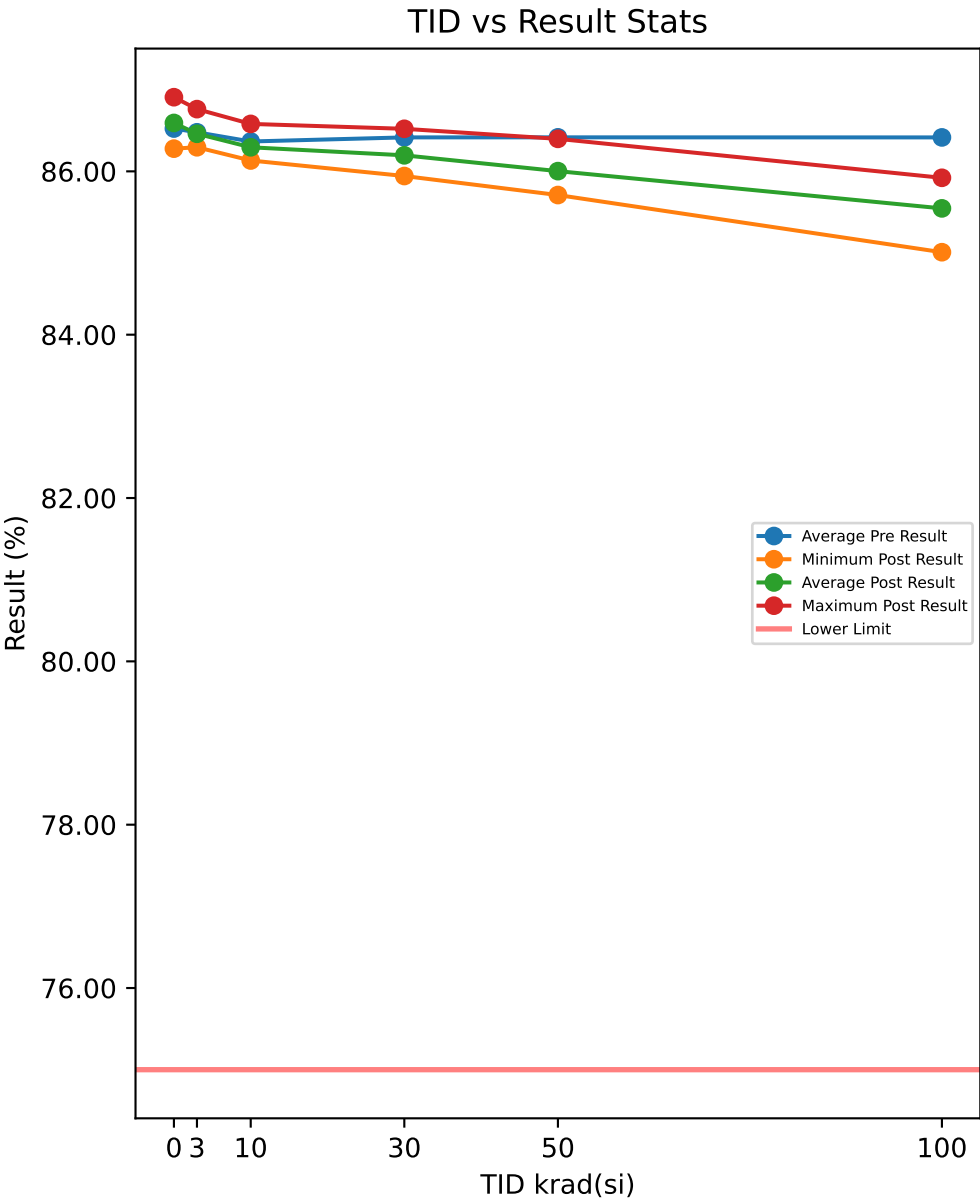
Test Results (Lower Limit = 75.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 85.474     | 85.588      | 0.114  |
| 301      | 0        | Correlation         | 85.622     | 85.702      | 0.08   |
| 302      | 0        | Correlation         | 85.336     | 85.401      | 0.065  |
| 303      | 3        | Bias                | 85.27      | 85.298      | 0.028  |
| 304      | 3        | Bias                | 85.306     | 85.314      | 0.008  |
| 305      | 3        | Bias                | 85.494     | 85.504      | 0.01   |
| 306      | 3        | Bias                | 85.444     | 85.452      | 0.008  |
| 307      | 3        | Bias                | 85.245     | 85.251      | 0.006  |
| 308      | 3        | Unbiased            | 85.408     | 85.417      | 0.009  |
| 309      | 3        | Unbiased            | 85.391     | 85.351      | -0.04  |
| 310      | 3        | Unbiased            | 85.364     | 85.315      | -0.049 |
| 311      | 3        | Unbiased            | 85.617     | 85.588      | -0.029 |
| 312      | 3        | Unbiased            | 85.599     | 85.571      | -0.028 |
| 313      | 10       | Bias                | 85.48      | 85.354      | -0.126 |
| 314      | 10       | Bias                | 85.446     | 85.316      | -0.13  |
| 315      | 10       | Bias                | 85.267     | 85.11       | -0.157 |
| 316      | 10       | Bias                | 85.561     | 85.42       | -0.141 |
| 317      | 10       | Bias                | 85.337     | 85.193      | -0.144 |
| 318      | 10       | Unbiased            | 85.374     | 85.269      | -0.105 |
| 319      | 10       | Unbiased            | 85.341     | 85.249      | -0.092 |
| 320      | 10       | Unbiased            | 85.278     | 85.234      | -0.044 |
| 321      | 10       | Unbiased            | 85.361     | 85.151      | -0.21  |
| 322      | 10       | Unbiased            | 85.289     | 85.172      | -0.117 |
| 323      | 30       | Bias                | 85.397     | 84.99       | -0.407 |
| 324      | 30       | Bias                | 85.534     | 85.155      | -0.379 |
| 325      | 30       | Bias                | 85.269     | 84.799      | -0.47  |
| 326      | 30       | Bias                | 85.561     | 85.148      | -0.413 |
| 327      | 30       | Bias                | 85.428     | 85.016      | -0.412 |
| 328      | 30       | Unbiased            | 85.446     | 85.09       | -0.356 |
| 329      | 30       | Unbiased            | 85.422     | 85.082      | -0.34  |
| 330      | 30       | Unbiased            | 85.597     | 85.199      | -0.398 |
| 331      | 30       | Unbiased            | 85.378     | 84.962      | -0.416 |
| 332      | 30       | Unbiased            | 85.292     | 84.871      | -0.421 |
| 333      | 50       | Bias                | 85.651     | 85.033      | -0.618 |
| 334      | 50       | Bias                | 85.272     | 84.604      | -0.668 |
| 335      | 50       | Bias                | 85.309     | 84.534      | -0.775 |
| 336      | 50       | Bias                | 85.418     | 84.651      | -0.767 |
| 337      | 50       | Bias                | 85.194     | 84.441      | -0.753 |
| 338      | 50       | Unbiased            | 85.587     | 85.012      | -0.575 |
| 339      | 50       | Unbiased            | 85.485     | 84.842      | -0.643 |
| 340      | 50       | Unbiased            | 85.352     | 84.614      | -0.738 |
| 341      | 50       | Unbiased            | 85.524     | 84.83       | -0.694 |
| 342      | 50       | Unbiased            | 85.408     | 84.709      | -0.699 |
| 343      | 100      | Bias                | 85.484     | 84.201      | -1.283 |
| 344      | 100      | Bias                | 85.436     | 84.148      | -1.288 |
| 345      | 100      | Bias                | 85.499     | 84.071      | -1.428 |
| 346      | 100      | Bias                | 85.137     | 83.637      | -1.5   |
| 347      | 100      | Bias                | 85.375     | 83.966      | -1.409 |
| 348      | 100      | Unbiased            | 85.338     | 84.049      | -1.289 |
| 349      | 100      | Unbiased            | 85.501     | 84.318      | -1.183 |
| 350      | 100      | Unbiased            | 85.395     | 83.977      | -1.418 |
| 351      | 100      | Unbiased            | 85.258     | 83.796      | -1.462 |
| 352      | 100      | Unbiased            | 85.669     | 84.354      | -1.315 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 85.336           | 85.477           | 85.622           | 0.14303          | 85.401            | 85.564            | 85.702            | 0.15197           | 0.065     | 0.086333  | 0.114     | 0.025106  |
| 3        | 85.245           | 85.414           | 85.617           | 0.1277           | 85.251            | 85.406            | 85.588            | 0.11909           | -0.049    | -0.0077   | 0.028     | 0.026166  |
| 10       | 85.267           | 85.373           | 85.561           | 0.095395         | 85.11             | 85.247            | 85.42             | 0.096218          | -0.21     | -0.1266   | -0.044    | 0.043436  |
| 30       | 85.269           | 85.432           | 85.597           | 0.10796          | 84.799            | 85.031            | 85.199            | 0.12887           | -0.47     | -0.4012   | -0.34     | 0.036401  |
| 50       | 85.194           | 85.42            | 85.651           | 0.1439           | 84.441            | 84.727            | 85.033            | 0.19769           | -0.775    | -0.693    | -0.575    | 0.067112  |
| 100      | 85.137           | 85.409           | 85.669           | 0.1467           | 83.637            | 84.052            | 84.354            | 0.22224           | -1.5      | -1.3575   | -1.183    | 0.09991   |





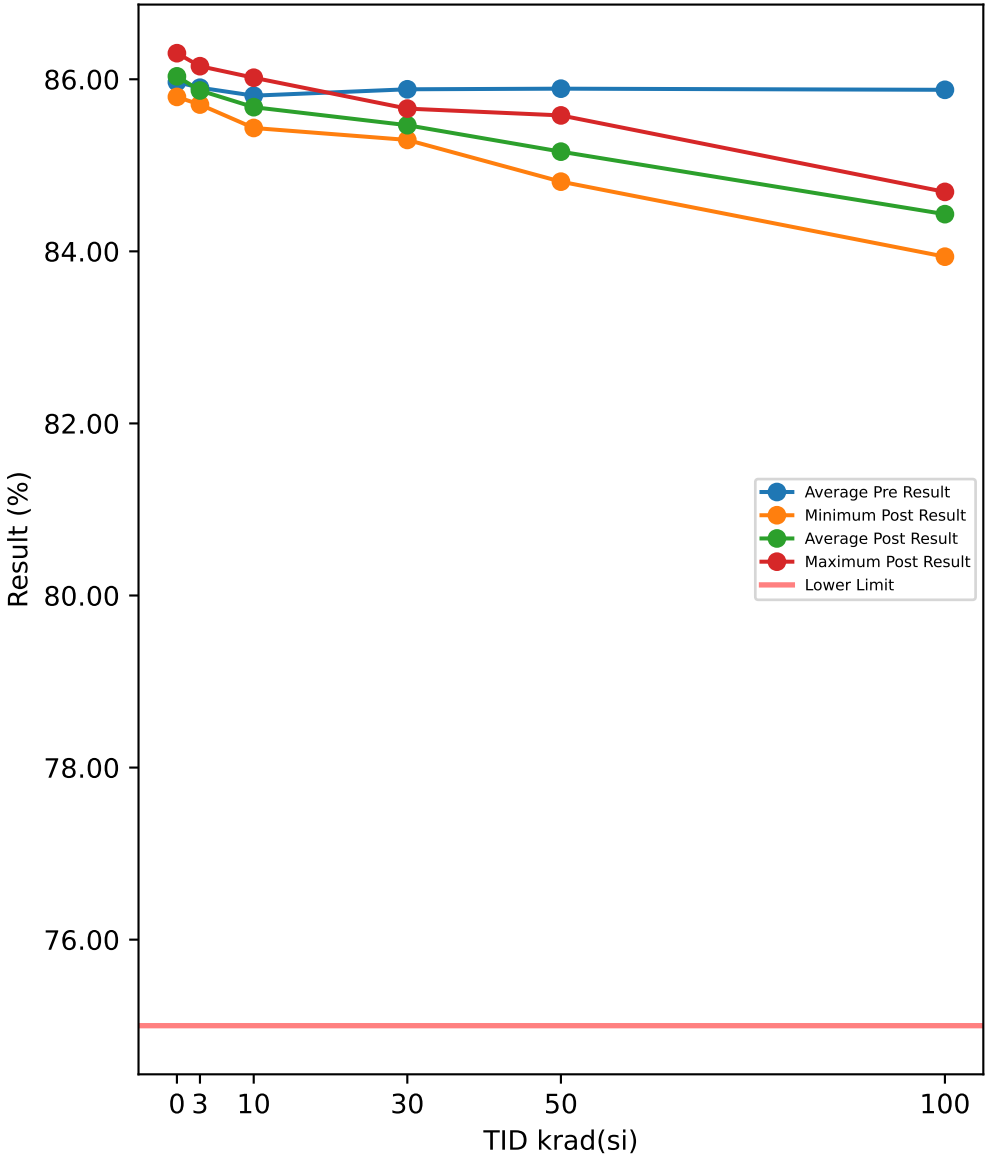
| Test Results (Lower Limit = 75.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 86.494     | 86.592      | 0.098  |
| 301                                   | 0        | Correlation         | 86.844     | 86.908      | 0.064  |
| 302                                   | 0        | Correlation         | 86.235     | 86.278      | 0.043  |
| 303                                   | 3        | Bias                | 86.412     | 86.422      | 0.01   |
| 304                                   | 3        | Bias                | 86.363     | 86.361      | -0.002 |
| 305                                   | 3        | Bias                | 86.428     | 86.429      | 0.001  |
| 306                                   | 3        | Bias                | 86.423     | 86.414      | -0.009 |
| 307                                   | 3        | Bias                | 86.316     | 86.295      | -0.021 |
| 308                                   | 3        | Unbiased            | 86.473     | 86.449      | -0.024 |
| 309                                   | 3        | Unbiased            | 86.449     | 86.41       | -0.039 |
| 310                                   | 3        | Unbiased            | 86.373     | 86.328      | -0.045 |
| 311                                   | 3        | Unbiased            | 86.789     | 86.762      | -0.027 |
| 312                                   | 3        | Unbiased            | 86.757     | 86.732      | -0.025 |
| 313                                   | 10       | Bias                | 86.42      | 86.376      | -0.044 |
| 314                                   | 10       | Bias                | 86.36      | 86.32       | -0.04  |
| 315                                   | 10       | Bias                | 86.207     | 86.155      | -0.052 |
| 316                                   | 10       | Bias                | 86.681     | 86.581      | -0.1   |
| 317                                   | 10       | Bias                | 86.181     | 86.133      | -0.048 |
| 318                                   | 10       | Unbiased            | 86.346     | 86.267      | -0.079 |
| 319                                   | 10       | Unbiased            | 86.395     | 86.325      | -0.07  |
| 320                                   | 10       | Unbiased            | 86.287     | 86.188      | -0.099 |
| 321                                   | 10       | Unbiased            | 86.281     | 86.187      | -0.094 |
| 322                                   | 10       | Unbiased            | 86.499     | 86.415      | -0.084 |
| 323                                   | 30       | Bias                | 86.326     | 86.181      | -0.145 |
| 324                                   | 30       | Bias                | 86.464     | 86.328      | -0.136 |
| 325                                   | 30       | Bias                | 86.244     | 86.079      | -0.165 |
| 326                                   | 30       | Bias                | 86.643     | 86.521      | -0.122 |
| 327                                   | 30       | Bias                | 86.441     | 86.298      | -0.143 |
| 328                                   | 30       | Unbiased            | 86.435     | 86.165      | -0.27  |
| 329                                   | 30       | Unbiased            | 86.419     | 86.159      | -0.26  |
| 330                                   | 30       | Unbiased            | 86.563     | 86.259      | -0.304 |
| 331                                   | 30       | Unbiased            | 86.35      | 86.03       | -0.32  |
| 332                                   | 30       | Unbiased            | 86.273     | 85.943      | -0.33  |
| 333                                   | 50       | Bias                | 86.625     | 86.398      | -0.227 |
| 334                                   | 50       | Bias                | 86.197     | 85.937      | -0.26  |
| 335                                   | 50       | Bias                | 86.339     | 86.038      | -0.301 |
| 336                                   | 50       | Bias                | 86.391     | 86.082      | -0.309 |
| 337                                   | 50       | Bias                | 86.113     | 85.817      | -0.296 |
| 338                                   | 50       | Unbiased            | 86.6       | 86.161      | -0.439 |
| 339                                   | 50       | Unbiased            | 86.442     | 85.898      | -0.544 |
| 340                                   | 50       | Unbiased            | 86.322     | 85.71       | -0.612 |
| 341                                   | 50       | Unbiased            | 86.618     | 86.046      | -0.572 |
| 342                                   | 50       | Unbiased            | 86.518     | 85.94       | -0.578 |
| 343                                   | 100      | Bias                | 86.477     | 85.867      | -0.61  |
| 344                                   | 100      | Bias                | 86.35      | 85.728      | -0.622 |
| 345                                   | 100      | Bias                | 86.598     | 85.921      | -0.677 |
| 346                                   | 100      | Bias                | 86.188     | 85.446      | -0.742 |
| 347                                   | 100      | Bias                | 86.308     | 85.618      | -0.69  |
| 348                                   | 100      | Unbiased            | 86.441     | 85.42       | -1.021 |
| 349                                   | 100      | Unbiased            | 86.504     | 85.538      | -0.966 |
| 350                                   | 100      | Unbiased            | 86.474     | 85.361      | -1.113 |
| 351                                   | 100      | Unbiased            | 86.199     | 85.01       | -1.189 |
| 352                                   | 100      | Unbiased            | 86.617     | 85.558      | -1.059 |

Test Statistics (%)

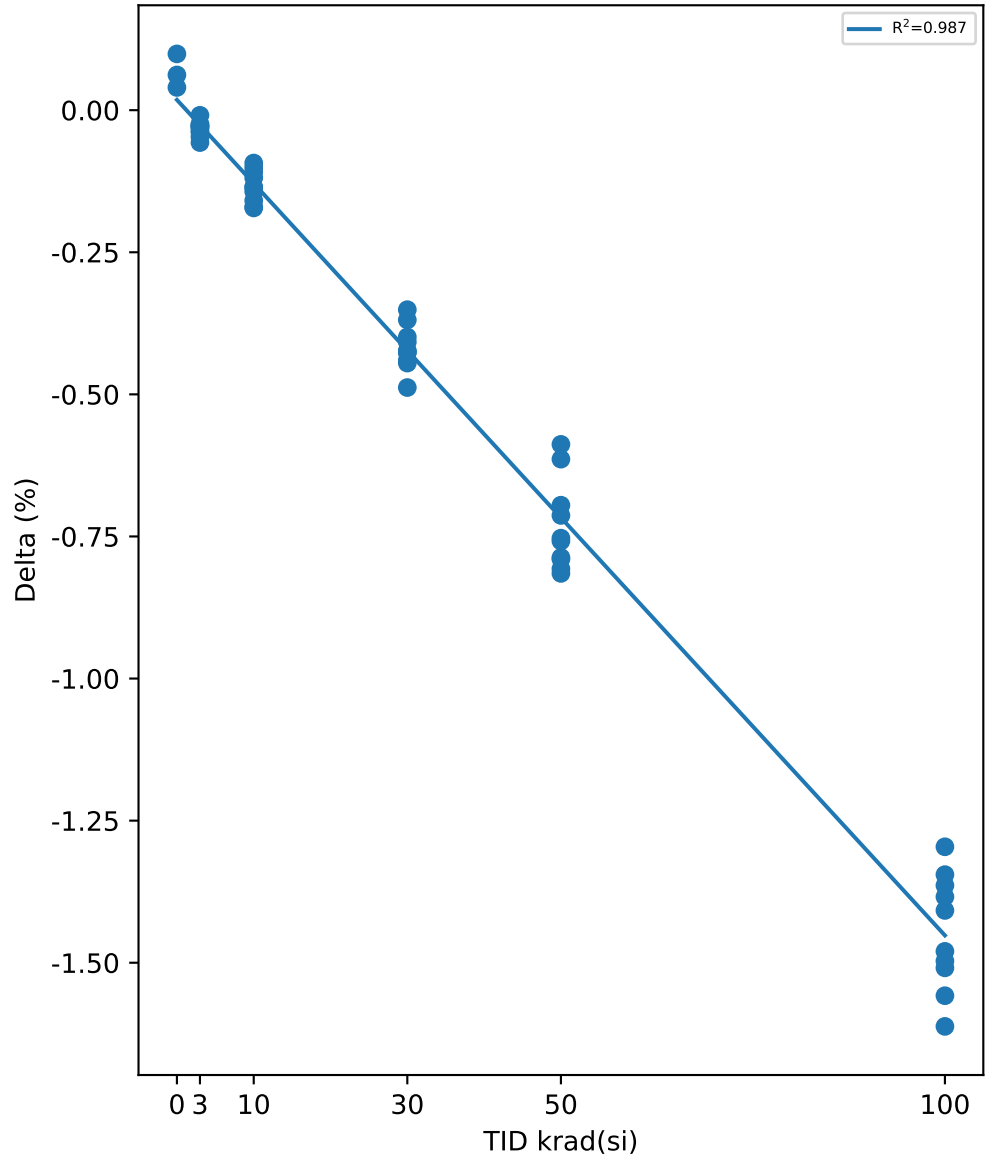
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 86.235           | 86.524           | 86.844           | 0.30563          | 86.278            | 86.593            | 86.908            | 0.315             | 0.043     | 0.068333  | 0.098     | 0.027755  |
| 3        | 86.316           | 86.478           | 86.789           | 0.16186          | 86.295            | 86.46             | 86.762            | 0.15874           | -0.045    | -0.0181   | 0.01      | 0.017723  |
| 10       | 86.181           | 86.366           | 86.681           | 0.14685          | 86.133            | 86.295            | 86.581            | 0.13905           | -0.1      | -0.071    | -0.04     | 0.023495  |
| 30       | 86.244           | 86.416           | 86.643           | 0.12424          | 85.943            | 86.196            | 86.521            | 0.16507           | -0.33     | -0.2195   | -0.122    | 0.084651  |
| 50       | 86.113           | 86.416           | 86.625           | 0.17782          | 85.71             | 86.003            | 86.398            | 0.19151           | -0.612    | -0.4138   | -0.227    | 0.15092   |
| 100      | 86.188           | 86.416           | 86.617           | 0.15058          | 85.01             | 85.547            | 85.921            | 0.26449           | -1.189    | -0.8689   | -0.61     | 0.22203   |



TID vs Result Stats



TID vs Post - Pre Exposure Delta

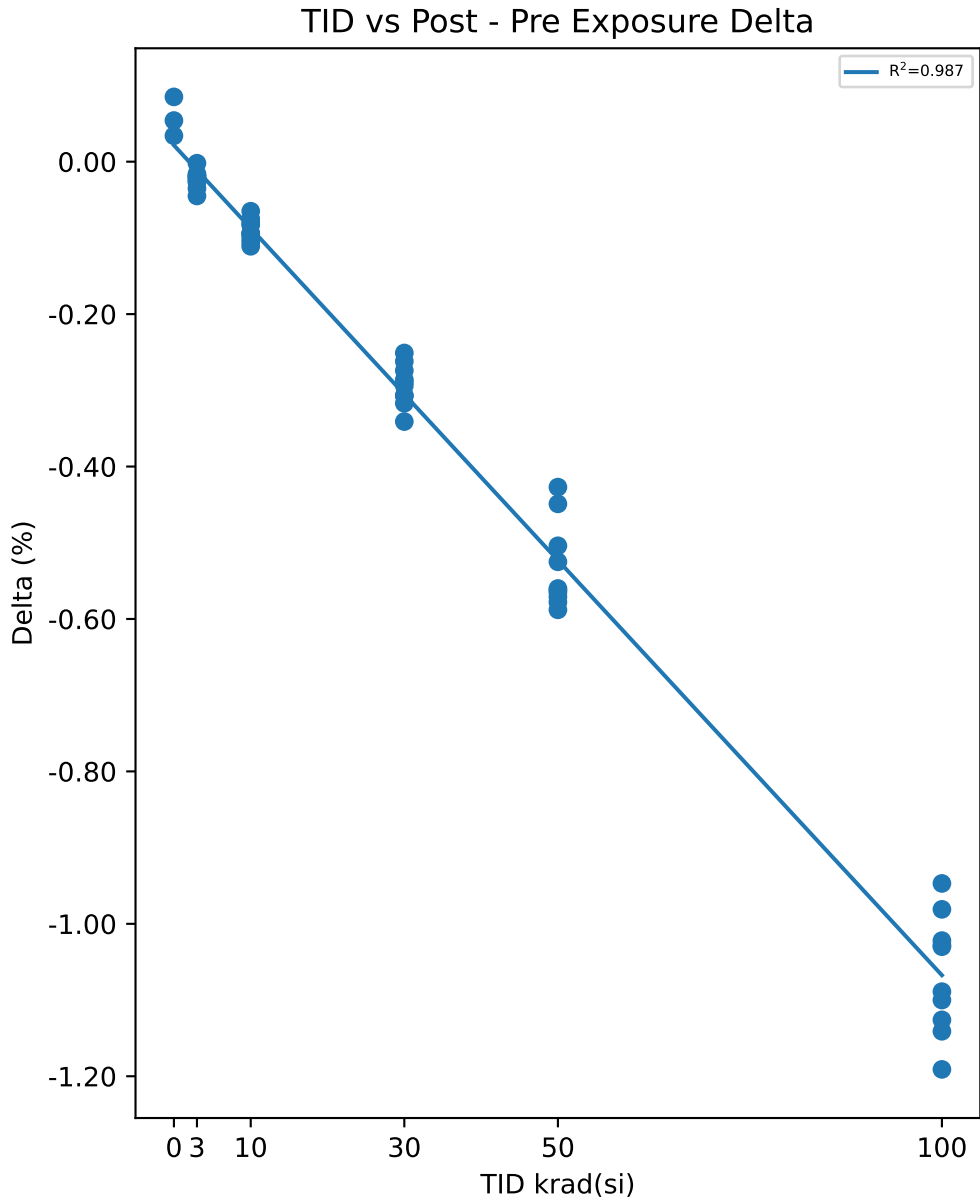
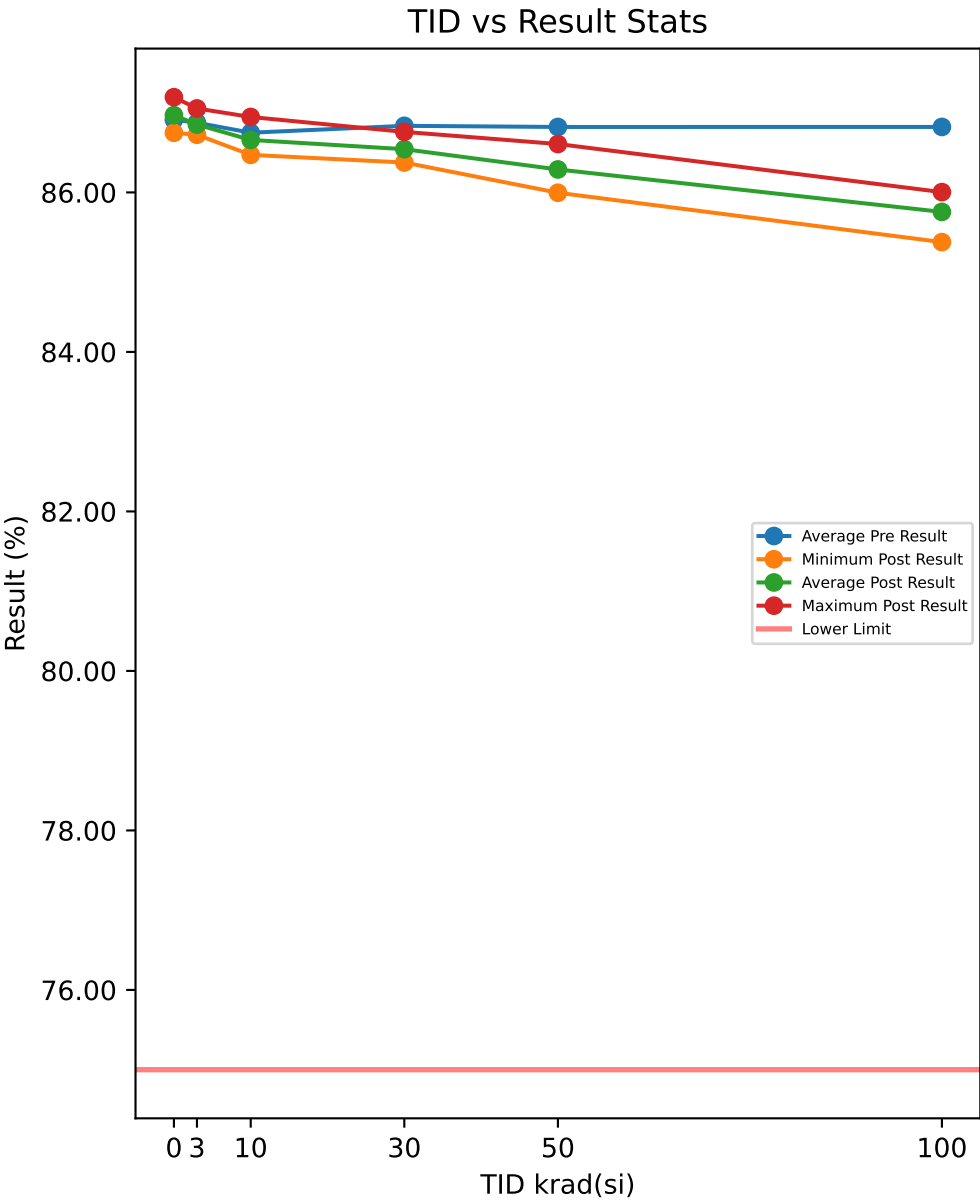


Test Results (Lower Limit = 75.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 300      | 0        | Correlation         | 85.905     | 86.004      | 0.099  |
| 301      | 0        | Correlation         | 86.241     | 86.303      | 0.062  |
| 302      | 0        | Correlation         | 85.755     | 85.795      | 0.04   |
| 303      | 3        | Bias                | 85.773     | 85.764      | -0.009 |
| 304      | 3        | Bias                | 85.788     | 85.759      | -0.029 |
| 305      | 3        | Bias                | 85.913     | 85.888      | -0.025 |
| 306      | 3        | Bias                | 85.868     | 85.839      | -0.029 |
| 307      | 3        | Bias                | 85.736     | 85.706      | -0.03  |
| 308      | 3        | Unbiased            | 85.901     | 85.876      | -0.025 |
| 309      | 3        | Unbiased            | 85.87      | 85.823      | -0.047 |
| 310      | 3        | Unbiased            | 85.805     | 85.748      | -0.057 |
| 311      | 3        | Unbiased            | 86.191     | 86.152      | -0.039 |
| 312      | 3        | Unbiased            | 86.176     | 86.14       | -0.036 |
| 313      | 10       | Bias                | 85.903     | 85.767      | -0.136 |
| 314      | 10       | Bias                | 85.817     | 85.682      | -0.135 |
| 315      | 10       | Bias                | 85.604     | 85.434      | -0.17  |
| 316      | 10       | Bias                | 86.161     | 86.018      | -0.143 |
| 317      | 10       | Bias                | 85.678     | 85.519      | -0.159 |
| 318      | 10       | Unbiased            | 85.862     | 85.753      | -0.109 |
| 319      | 10       | Unbiased            | 85.713     | 85.612      | -0.101 |
| 320      | 10       | Unbiased            | 85.753     | 85.66       | -0.093 |
| 321      | 10       | Unbiased            | 85.788     | 85.616      | -0.172 |
| 322      | 10       | Unbiased            | 85.815     | 85.696      | -0.119 |
| 323      | 30       | Bias                | 85.817     | 85.394      | -0.423 |
| 324      | 30       | Bias                | 85.956     | 85.557      | -0.399 |
| 325      | 30       | Bias                | 85.783     | 85.295      | -0.488 |
| 326      | 30       | Bias                | 86.074     | 85.649      | -0.425 |
| 327      | 30       | Bias                | 85.777     | 85.332      | -0.445 |
| 328      | 30       | Unbiased            | 85.91      | 85.541      | -0.369 |
| 329      | 30       | Unbiased            | 85.844     | 85.493      | -0.351 |
| 330      | 30       | Unbiased            | 86.067     | 85.659      | -0.408 |
| 331      | 30       | Unbiased            | 85.84      | 85.413      | -0.427 |
| 332      | 30       | Unbiased            | 85.768     | 85.328      | -0.44  |
| 333      | 50       | Bias                | 86.194     | 85.58       | -0.614 |
| 334      | 50       | Bias                | 85.766     | 85.071      | -0.695 |
| 335      | 50       | Bias                | 85.741     | 84.926      | -0.815 |
| 336      | 50       | Bias                | 85.853     | 85.046      | -0.807 |
| 337      | 50       | Bias                | 85.597     | 84.81       | -0.787 |
| 338      | 50       | Unbiased            | 86.132     | 85.544      | -0.588 |
| 339      | 50       | Unbiased            | 85.836     | 85.123      | -0.713 |
| 340      | 50       | Unbiased            | 85.859     | 85.069      | -0.79  |
| 341      | 50       | Unbiased            | 86.012     | 85.259      | -0.753 |
| 342      | 50       | Unbiased            | 85.917     | 85.159      | -0.758 |
| 343      | 100      | Bias                | 85.976     | 84.612      | -1.364 |
| 344      | 100      | Bias                | 85.876     | 84.492      | -1.384 |
| 345      | 100      | Bias                | 86.024     | 84.515      | -1.509 |
| 346      | 100      | Bias                | 85.55      | 83.938      | -1.612 |
| 347      | 100      | Bias                | 85.737     | 84.257      | -1.48  |
| 348      | 100      | Unbiased            | 85.931     | 84.586      | -1.345 |
| 349      | 100      | Unbiased            | 85.945     | 84.649      | -1.296 |
| 350      | 100      | Unbiased            | 85.889     | 84.392      | -1.497 |
| 351      | 100      | Unbiased            | 85.748     | 84.19       | -1.558 |
| 352      | 100      | Unbiased            | 86.099     | 84.691      | -1.408 |

Test Statistics (%)

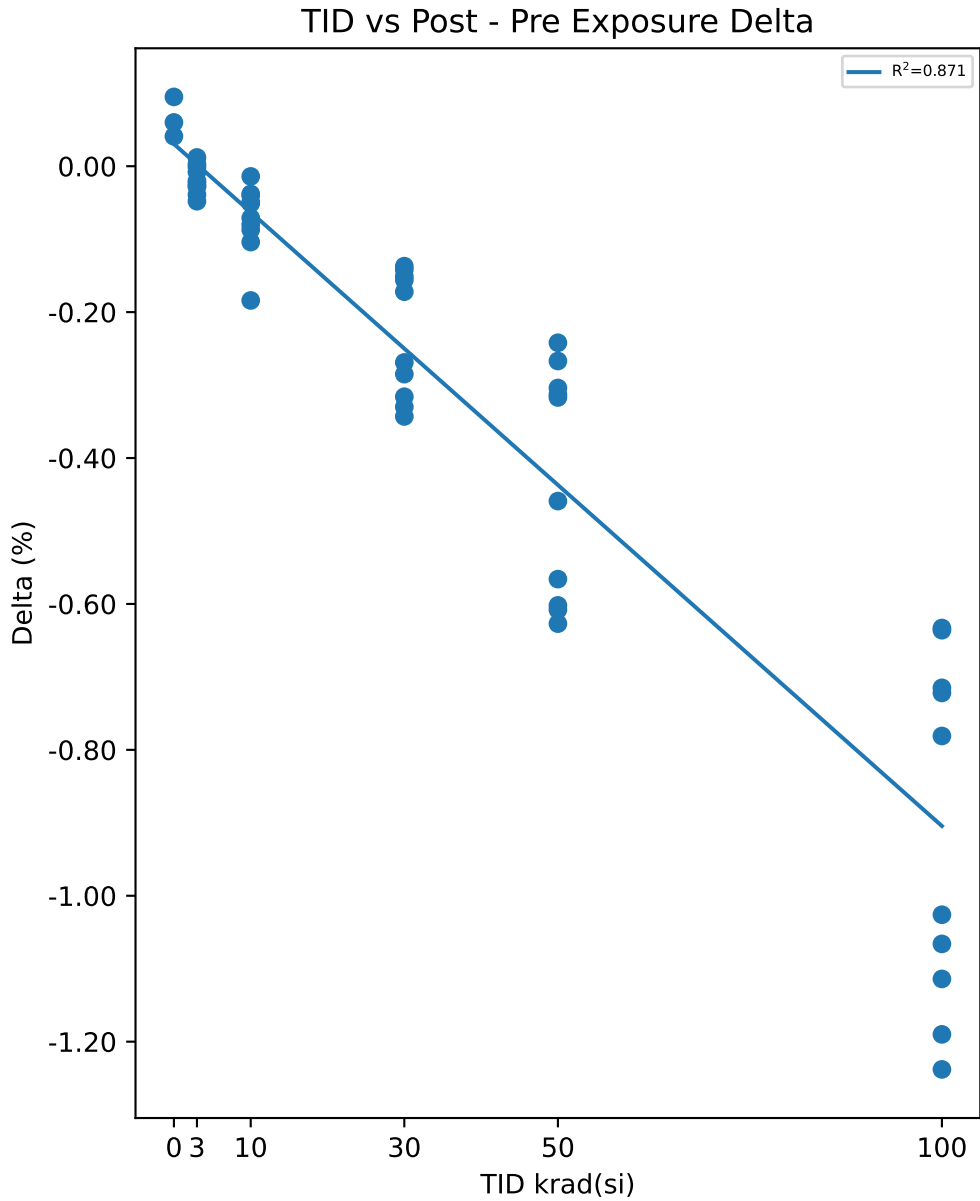
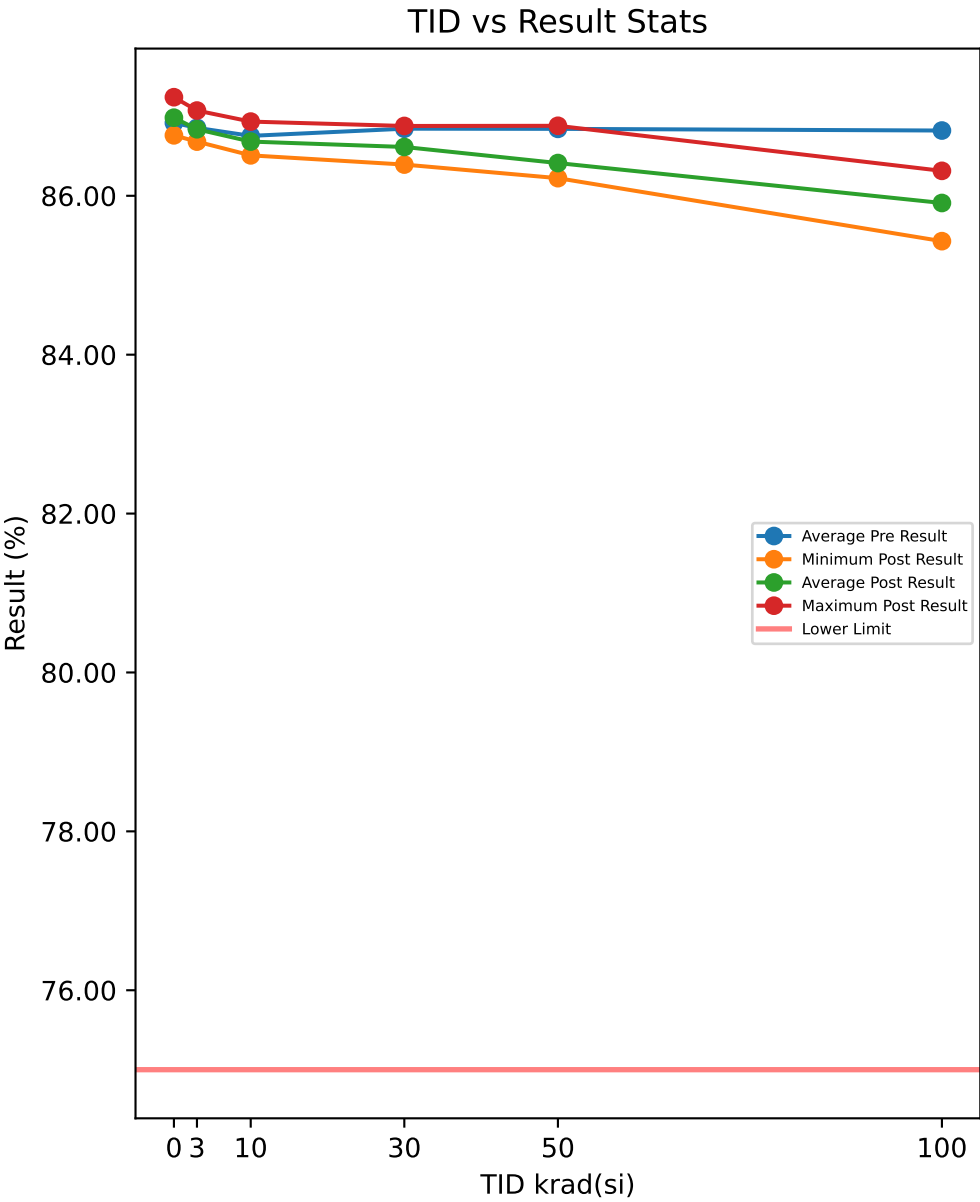
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 85.755           | 85.967           | 86.241           | 0.24886          | 85.795            | 86.034            | 86.303            | 0.25533           | 0.04      | 0.067     | 0.099     | 0.029816  |
| 3        | 85.736           | 85.902           | 86.191           | 0.15899          | 85.706            | 85.87             | 86.152            | 0.1568            | -0.057    | -0.0326   | -0.009    | 0.013167  |
| 10       | 85.604           | 85.809           | 86.161           | 0.15189          | 85.434            | 85.676            | 86.018            | 0.15733           | -0.172    | -0.1337   | -0.093    | 0.028028  |
| 30       | 85.768           | 85.884           | 86.074           | 0.11478          | 85.295            | 85.466            | 85.659            | 0.13317           | -0.488    | -0.4175   | -0.351    | 0.038897  |
| 50       | 85.597           | 85.891           | 86.194           | 0.18113          | 84.81             | 85.159            | 85.58             | 0.24528           | -0.815    | -0.732    | -0.588    | 0.079169  |
| 100      | 85.55            | 85.877           | 86.099           | 0.1604           | 83.938            | 84.432            | 84.691            | 0.23935           | -1.612    | -1.4453   | -1.296    | 0.1014    |



| Test Results (Lower Limit = 75.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 86.88      | 86.965      | 0.085  |
| 301                                   | 0        | Correlation         | 87.14      | 87.194      | 0.054  |
| 302                                   | 0        | Correlation         | 86.714     | 86.748      | 0.034  |
| 303                                   | 3        | Bias                | 86.842     | 86.84       | -0.002 |
| 304                                   | 3        | Bias                | 86.795     | 86.775      | -0.02  |
| 305                                   | 3        | Bias                | 86.92      | 86.904      | -0.016 |
| 306                                   | 3        | Bias                | 86.798     | 86.775      | -0.023 |
| 307                                   | 3        | Bias                | 86.773     | 86.754      | -0.019 |
| 308                                   | 3        | Unbiased            | 86.859     | 86.84       | -0.019 |
| 309                                   | 3        | Unbiased            | 86.838     | 86.803      | -0.035 |
| 310                                   | 3        | Unbiased            | 86.768     | 86.723      | -0.045 |
| 311                                   | 3        | Unbiased            | 87.069     | 87.042      | -0.027 |
| 312                                   | 3        | Unbiased            | 87.078     | 87.053      | -0.025 |
| 313                                   | 10       | Bias                | 86.844     | 86.75       | -0.094 |
| 314                                   | 10       | Bias                | 86.81      | 86.716      | -0.094 |
| 315                                   | 10       | Bias                | 86.582     | 86.471      | -0.111 |
| 316                                   | 10       | Bias                | 87.042     | 86.946      | -0.096 |
| 317                                   | 10       | Bias                | 86.618     | 86.512      | -0.106 |
| 318                                   | 10       | Unbiased            | 86.867     | 86.792      | -0.075 |
| 319                                   | 10       | Unbiased            | 86.664     | 86.599      | -0.065 |
| 320                                   | 10       | Unbiased            | 86.654     | 86.571      | -0.083 |
| 321                                   | 10       | Unbiased            | 86.66      | 86.559      | -0.101 |
| 322                                   | 10       | Unbiased            | 86.747     | 86.666      | -0.081 |
| 323                                   | 30       | Bias                | 86.854     | 86.56       | -0.294 |
| 324                                   | 30       | Bias                | 86.821     | 86.535      | -0.286 |
| 325                                   | 30       | Bias                | 86.716     | 86.375      | -0.341 |
| 326                                   | 30       | Bias                | 87.007     | 86.733      | -0.274 |
| 327                                   | 30       | Bias                | 86.743     | 86.436      | -0.307 |
| 328                                   | 30       | Unbiased            | 86.843     | 86.581      | -0.262 |
| 329                                   | 30       | Unbiased            | 86.8       | 86.549      | -0.251 |
| 330                                   | 30       | Unbiased            | 87.048     | 86.759      | -0.289 |
| 331                                   | 30       | Unbiased            | 86.77      | 86.463      | -0.307 |
| 332                                   | 30       | Unbiased            | 86.749     | 86.432      | -0.317 |
| 333                                   | 50       | Bias                | 87.056     | 86.607      | -0.449 |
| 334                                   | 50       | Bias                | 86.647     | 86.143      | -0.504 |
| 335                                   | 50       | Bias                | 86.696     | 86.118      | -0.578 |
| 336                                   | 50       | Bias                | 86.834     | 86.263      | -0.571 |
| 337                                   | 50       | Bias                | 86.561     | 85.996      | -0.565 |
| 338                                   | 50       | Unbiased            | 87.008     | 86.581      | -0.427 |
| 339                                   | 50       | Unbiased            | 86.834     | 86.309      | -0.525 |
| 340                                   | 50       | Unbiased            | 86.815     | 86.227      | -0.588 |
| 341                                   | 50       | Unbiased            | 86.934     | 86.374      | -0.56  |
| 342                                   | 50       | Unbiased            | 86.824     | 86.262      | -0.562 |
| 343                                   | 100      | Bias                | 86.931     | 85.909      | -1.022 |
| 344                                   | 100      | Bias                | 86.823     | 85.793      | -1.03  |
| 345                                   | 100      | Bias                | 86.969     | 85.843      | -1.126 |
| 346                                   | 100      | Bias                | 86.568     | 85.377      | -1.191 |
| 347                                   | 100      | Bias                | 86.745     | 85.645      | -1.1   |
| 348                                   | 100      | Unbiased            | 86.866     | 85.885      | -0.981 |
| 349                                   | 100      | Unbiased            | 86.823     | 85.876      | -0.947 |
| 350                                   | 100      | Unbiased            | 86.811     | 85.722      | -1.089 |
| 351                                   | 100      | Unbiased            | 86.644     | 85.503      | -1.141 |
| 352                                   | 100      | Unbiased            | 87.032     | 86.004      | -1.028 |

Test Statistics (%)

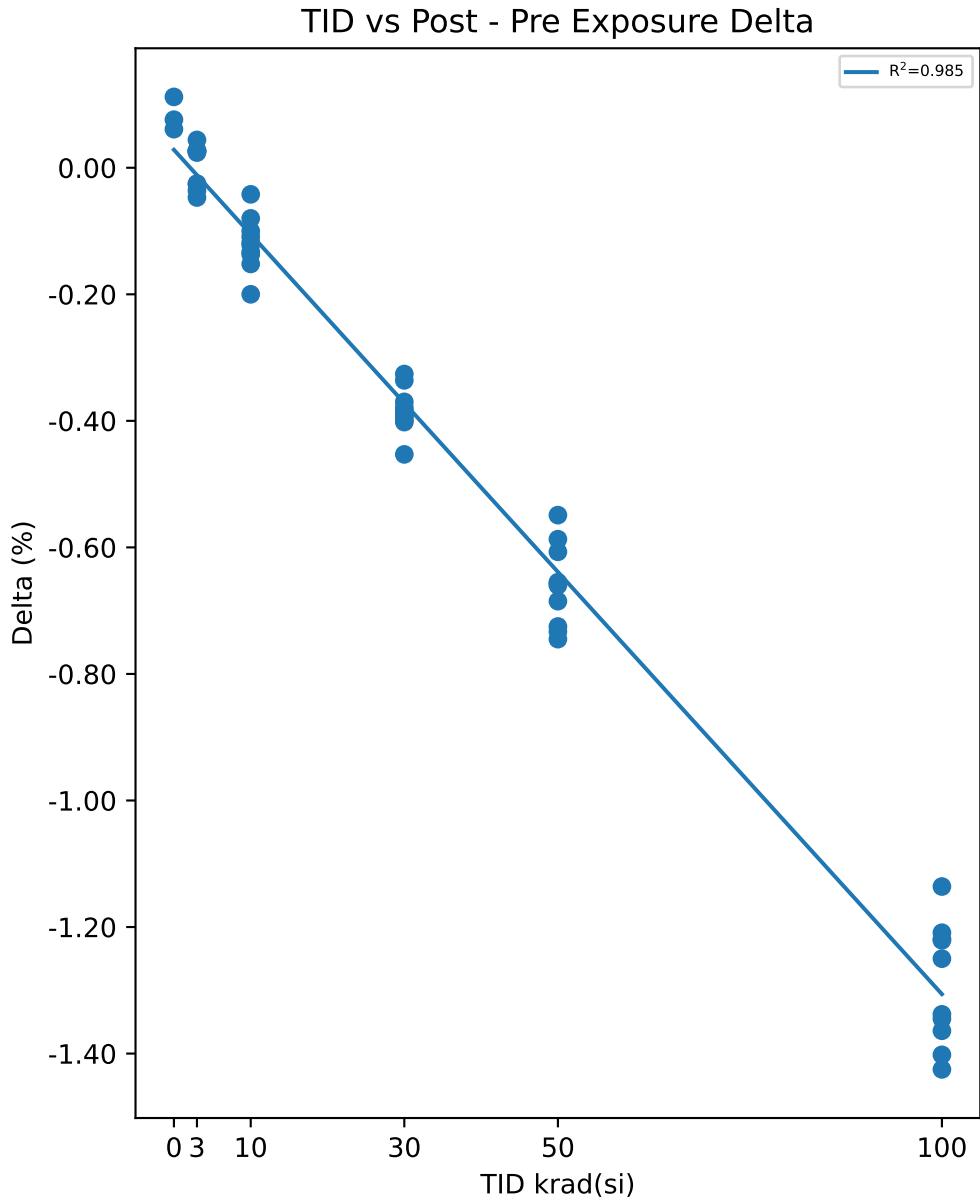
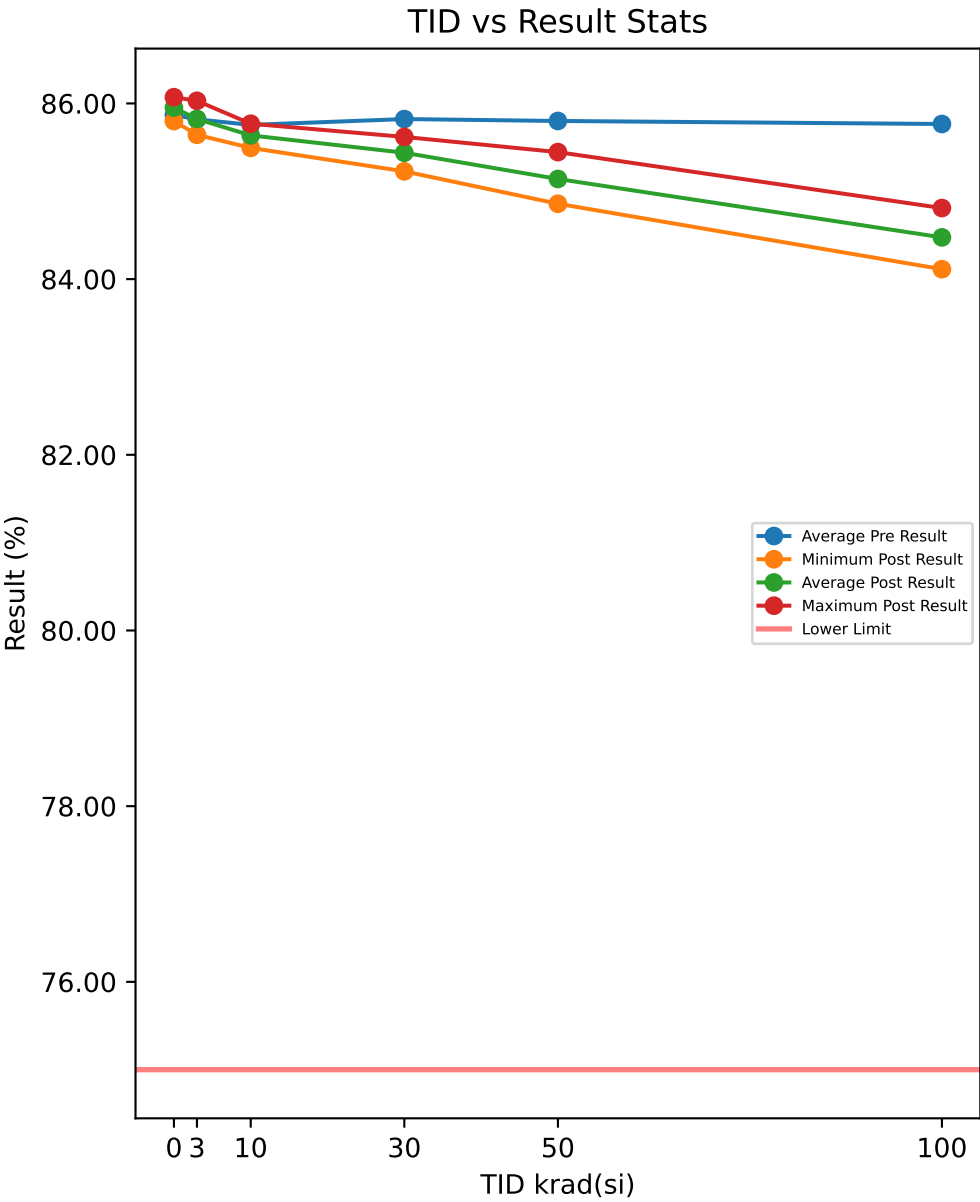
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 86.714           | 86.911           | 87.14            | 0.21472          | 86.748            | 86.969            | 87.194            | 0.22303           | 0.034     | 0.057667  | 0.085     | 0.025697  |
| 3        | 86.768           | 86.874           | 87.078           | 0.11439          | 86.723            | 86.851            | 87.053            | 0.11546           | -0.045    | -0.0231   | -0.002    | 0.011445  |
| 10       | 86.582           | 86.749           | 87.042           | 0.1421           | 86.471            | 86.658            | 86.946            | 0.14527           | -0.111    | -0.0906   | -0.065    | 0.014385  |
| 30       | 86.716           | 86.835           | 87.048           | 0.11108          | 86.375            | 86.542            | 86.759            | 0.12604           | -0.341    | -0.2928   | -0.251    | 0.026716  |
| 50       | 86.561           | 86.821           | 87.056           | 0.15522          | 85.996            | 86.288            | 86.607            | 0.19312           | -0.588    | -0.5329   | -0.427    | 0.05606   |
| 100      | 86.568           | 86.821           | 87.032           | 0.14212          | 85.377            | 85.756            | 86.004            | 0.19608           | -1.191    | -1.0655   | -0.947    | 0.076445  |



| Test Results (Lower Limit = 75.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 86.852     | 86.947      | 0.095  |
| 301                                   | 0        | Correlation         | 87.181     | 87.241      | 0.06   |
| 302                                   | 0        | Correlation         | 86.72      | 86.761      | 0.041  |
| 303                                   | 3        | Bias                | 86.774     | 86.786      | 0.012  |
| 304                                   | 3        | Bias                | 86.787     | 86.786      | -0.001 |
| 305                                   | 3        | Bias                | 86.91      | 86.913      | 0.003  |
| 306                                   | 3        | Bias                | 86.804     | 86.796      | -0.008 |
| 307                                   | 3        | Bias                | 86.702     | 86.682      | -0.02  |
| 308                                   | 3        | Unbiased            | 86.809     | 86.786      | -0.023 |
| 309                                   | 3        | Unbiased            | 86.841     | 86.802      | -0.039 |
| 310                                   | 3        | Unbiased            | 86.734     | 86.686      | -0.048 |
| 311                                   | 3        | Unbiased            | 87.101     | 87.073      | -0.028 |
| 312                                   | 3        | Unbiased            | 87.092     | 87.065      | -0.027 |
| 313                                   | 10       | Bias                | 86.902     | 86.862      | -0.04  |
| 314                                   | 10       | Bias                | 86.82      | 86.782      | -0.038 |
| 315                                   | 10       | Bias                | 86.586     | 86.535      | -0.051 |
| 316                                   | 10       | Bias                | 87.038     | 86.934      | -0.104 |
| 317                                   | 10       | Bias                | 86.61      | 86.561      | -0.049 |
| 318                                   | 10       | Unbiased            | 86.886     | 86.806      | -0.08  |
| 319                                   | 10       | Unbiased            | 86.658     | 86.587      | -0.071 |
| 320                                   | 10       | Unbiased            | 86.612     | 86.598      | -0.014 |
| 321                                   | 10       | Unbiased            | 86.693     | 86.509      | -0.184 |
| 322                                   | 10       | Unbiased            | 86.738     | 86.651      | -0.087 |
| 323                                   | 30       | Bias                | 86.831     | 86.68       | -0.151 |
| 324                                   | 30       | Bias                | 86.889     | 86.747      | -0.142 |
| 325                                   | 30       | Bias                | 86.708     | 86.536      | -0.172 |
| 326                                   | 30       | Bias                | 87.016     | 86.879      | -0.137 |
| 327                                   | 30       | Bias                | 86.757     | 86.601      | -0.156 |
| 328                                   | 30       | Unbiased            | 86.868     | 86.583      | -0.285 |
| 329                                   | 30       | Unbiased            | 86.796     | 86.527      | -0.269 |
| 330                                   | 30       | Unbiased            | 87.081     | 86.765      | -0.316 |
| 331                                   | 30       | Unbiased            | 86.764     | 86.434      | -0.33  |
| 332                                   | 30       | Unbiased            | 86.736     | 86.393      | -0.343 |
| 333                                   | 50       | Bias                | 87.123     | 86.881      | -0.242 |
| 334                                   | 50       | Bias                | 86.634     | 86.367      | -0.267 |
| 335                                   | 50       | Bias                | 86.726     | 86.409      | -0.317 |
| 336                                   | 50       | Bias                | 86.853     | 86.54       | -0.313 |
| 337                                   | 50       | Bias                | 86.594     | 86.29       | -0.304 |
| 338                                   | 50       | Unbiased            | 87.039     | 86.58       | -0.459 |
| 339                                   | 50       | Unbiased            | 86.831     | 86.265      | -0.566 |
| 340                                   | 50       | Unbiased            | 86.849     | 86.222      | -0.627 |
| 341                                   | 50       | Unbiased            | 86.922     | 86.314      | -0.608 |
| 342                                   | 50       | Unbiased            | 86.855     | 86.253      | -0.602 |
| 343                                   | 100      | Bias                | 86.947     | 86.314      | -0.633 |
| 344                                   | 100      | Bias                | 86.818     | 86.182      | -0.636 |
| 345                                   | 100      | Bias                | 86.984     | 86.269      | -0.715 |
| 346                                   | 100      | Bias                | 86.544     | 85.763      | -0.781 |
| 347                                   | 100      | Bias                | 86.735     | 86.013      | -0.722 |
| 348                                   | 100      | Unbiased            | 86.864     | 85.798      | -1.066 |
| 349                                   | 100      | Unbiased            | 86.806     | 85.78       | -1.026 |
| 350                                   | 100      | Unbiased            | 86.809     | 85.619      | -1.19  |
| 351                                   | 100      | Unbiased            | 86.667     | 85.429      | -1.238 |
| 352                                   | 100      | Unbiased            | 87.041     | 85.927      | -1.114 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 86.72            | 86.918           | 87.181           | 0.23741          | 86.761            | 86.983            | 87.241            | 0.24202           | 0.041     | 0.065333  | 0.095     | 0.027392  |
| 3        | 86.702           | 86.855           | 87.101           | 0.13899          | 86.682            | 86.838            | 87.073            | 0.13784           | -0.048    | -0.0179   | 0.012     | 0.019093  |
| 10       | 86.586           | 86.754           | 87.038           | 0.15153          | 86.509            | 86.683            | 86.934            | 0.15074           | -0.184    | -0.0718   | -0.014    | 0.047576  |
| 30       | 86.708           | 86.845           | 87.081           | 0.12245          | 86.393            | 86.614            | 86.879            | 0.15315           | -0.343    | -0.2301   | -0.137    | 0.085755  |
| 50       | 86.594           | 86.843           | 87.123           | 0.16427          | 86.222            | 86.412            | 86.881            | 0.20387           | -0.627    | -0.4305   | -0.242    | 0.15764   |
| 100      | 86.544           | 86.822           | 87.041           | 0.14941          | 85.429            | 85.909            | 86.314            | 0.28753           | -1.238    | -0.9121   | -0.633    | 0.23738   |



| Test Results (Lower Limit = 75.0 (%)) |          |                     |            |             |        |
|---------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                              | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 300                                   | 0        | Correlation         | 85.876     | 85.988      | 0.112  |
| 301                                   | 0        | Correlation         | 85.995     | 86.071      | 0.076  |
| 302                                   | 0        | Correlation         | 85.738     | 85.799      | 0.061  |
| 303                                   | 3        | Bias                | 85.71      | 85.754      | 0.044  |
| 304                                   | 3        | Bias                | 85.719     | 85.743      | 0.024  |
| 305                                   | 3        | Bias                | 85.915     | 85.942      | 0.027  |
| 306                                   | 3        | Bias                | 85.773     | 85.799      | 0.026  |
| 307                                   | 3        | Bias                | 85.616     | 85.643      | 0.027  |
| 308                                   | 3        | Unbiased            | 85.841     | 85.868      | 0.027  |
| 309                                   | 3        | Unbiased            | 85.807     | 85.771      | -0.036 |
| 310                                   | 3        | Unbiased            | 85.751     | 85.704      | -0.047 |
| 311                                   | 3        | Unbiased            | 86.056     | 86.03       | -0.026 |
| 312                                   | 3        | Unbiased            | 86.003     | 85.978      | -0.025 |
| 313                                   | 10       | Bias                | 85.887     | 85.769      | -0.118 |
| 314                                   | 10       | Bias                | 85.844     | 85.722      | -0.122 |
| 315                                   | 10       | Bias                | 85.705     | 85.553      | -0.152 |
| 316                                   | 10       | Bias                | 85.896     | 85.763      | -0.133 |
| 317                                   | 10       | Bias                | 85.751     | 85.614      | -0.137 |
| 318                                   | 10       | Unbiased            | 85.788     | 85.688      | -0.1   |
| 319                                   | 10       | Unbiased            | 85.695     | 85.615      | -0.08  |
| 320                                   | 10       | Unbiased            | 85.614     | 85.572      | -0.042 |
| 321                                   | 10       | Unbiased            | 85.694     | 85.494      | -0.2   |
| 322                                   | 10       | Unbiased            | 85.684     | 85.575      | -0.109 |
| 323                                   | 30       | Bias                | 85.812     | 85.428      | -0.384 |
| 324                                   | 30       | Bias                | 85.898     | 85.528      | -0.37  |
| 325                                   | 30       | Bias                | 85.68      | 85.227      | -0.453 |
| 326                                   | 30       | Bias                | 85.927     | 85.536      | -0.391 |
| 327                                   | 30       | Bias                | 85.834     | 85.44       | -0.394 |
| 328                                   | 30       | Unbiased            | 85.889     | 85.553      | -0.336 |
| 329                                   | 30       | Unbiased            | 85.751     | 85.425      | -0.326 |
| 330                                   | 30       | Unbiased            | 85.998     | 85.619      | -0.379 |
| 331                                   | 30       | Unbiased            | 85.753     | 85.354      | -0.399 |
| 332                                   | 30       | Unbiased            | 85.679     | 85.277      | -0.402 |
| 333                                   | 50       | Bias                | 86.033     | 85.446      | -0.587 |
| 334                                   | 50       | Bias                | 85.588     | 84.933      | -0.655 |
| 335                                   | 50       | Bias                | 85.728     | 84.983      | -0.745 |
| 336                                   | 50       | Bias                | 85.811     | 85.078      | -0.733 |
| 337                                   | 50       | Bias                | 85.583     | 84.858      | -0.725 |
| 338                                   | 50       | Unbiased            | 85.948     | 85.399      | -0.549 |
| 339                                   | 50       | Unbiased            | 85.849     | 85.242      | -0.607 |
| 340                                   | 50       | Unbiased            | 85.723     | 85.038      | -0.685 |
| 341                                   | 50       | Unbiased            | 85.915     | 85.255      | -0.66  |
| 342                                   | 50       | Unbiased            | 85.827     | 85.17       | -0.657 |
| 343                                   | 100      | Bias                | 85.848     | 84.627      | -1.221 |
| 344                                   | 100      | Bias                | 85.788     | 84.569      | -1.219 |
| 345                                   | 100      | Bias                | 85.842     | 84.478      | -1.364 |
| 346                                   | 100      | Bias                | 85.538     | 84.113      | -1.425 |
| 347                                   | 100      | Bias                | 85.699     | 84.361      | -1.338 |
| 348                                   | 100      | Unbiased            | 85.76      | 84.551      | -1.209 |
| 349                                   | 100      | Unbiased            | 85.81      | 84.674      | -1.136 |
| 350                                   | 100      | Unbiased            | 85.75      | 84.405      | -1.345 |
| 351                                   | 100      | Unbiased            | 85.566     | 84.164      | -1.402 |
| 352                                   | 100      | Unbiased            | 86.059     | 84.809      | -1.25  |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 85.738           | 85.87            | 85.995           | 0.12862          | 85.799            | 85.953            | 86.071            | 0.1394            | 0.061     | 0.083     | 0.112     | 0.026211  |
| 3        | 85.616           | 85.819           | 86.056           | 0.13732          | 85.643            | 85.823            | 86.03             | 0.12652           | -0.047    | 0.0041    | 0.044     | 0.033355  |
| 10       | 85.614           | 85.756           | 85.896           | 0.094908         | 85.494            | 85.636            | 85.769            | 0.09411           | -0.2      | -0.1193   | -0.042    | 0.042282  |
| 30       | 85.679           | 85.822           | 85.998           | 0.10694          | 85.227            | 85.439            | 85.619            | 0.12537           | -0.453    | -0.3834   | -0.326    | 0.035503  |
| 50       | 85.583           | 85.8             | 86.033           | 0.1475           | 84.858            | 85.14             | 85.446            | 0.19622           | -0.745    | -0.6603   | -0.549    | 0.06489   |
| 100      | 85.538           | 85.766           | 86.059           | 0.14815          | 84.113            | 84.475            | 84.809            | 0.21973           | -1.425    | -1.2909   | -1.136    | 0.096174  |

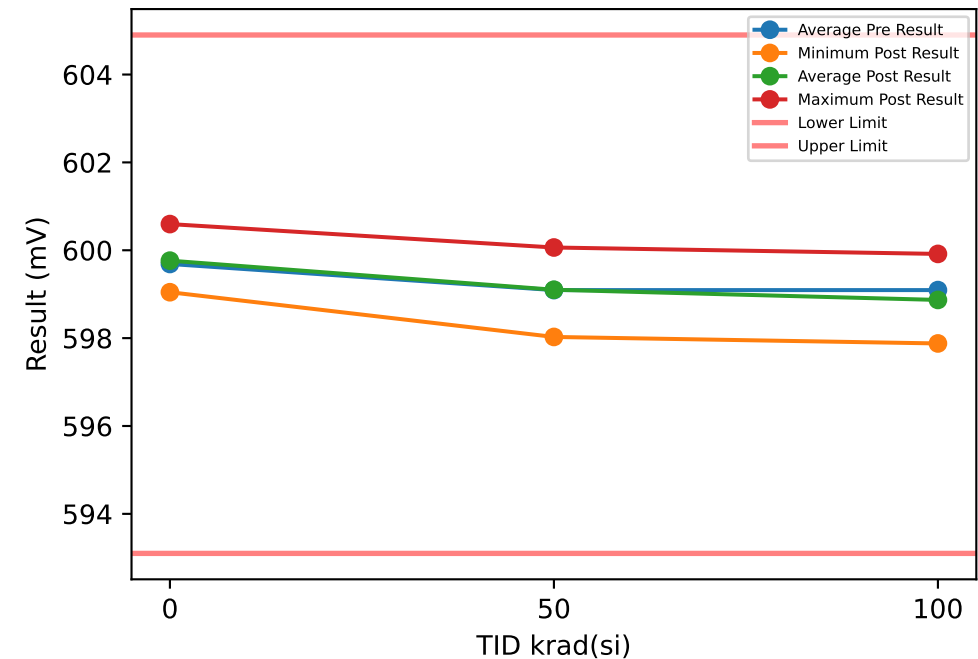
## B Appendix: LDR TID Report Data

This appendix contains the LDR TID report data. Please note that device serial numbers were remapped to show parametric drift between the 50krad(Si) and 100krad(Si) read points. For example, device number 214 was remapped to 1214 at the 100krad read point, however both serial numbers correspond to the same device.



Device Test: 13.1 ; VTH\_SENSE

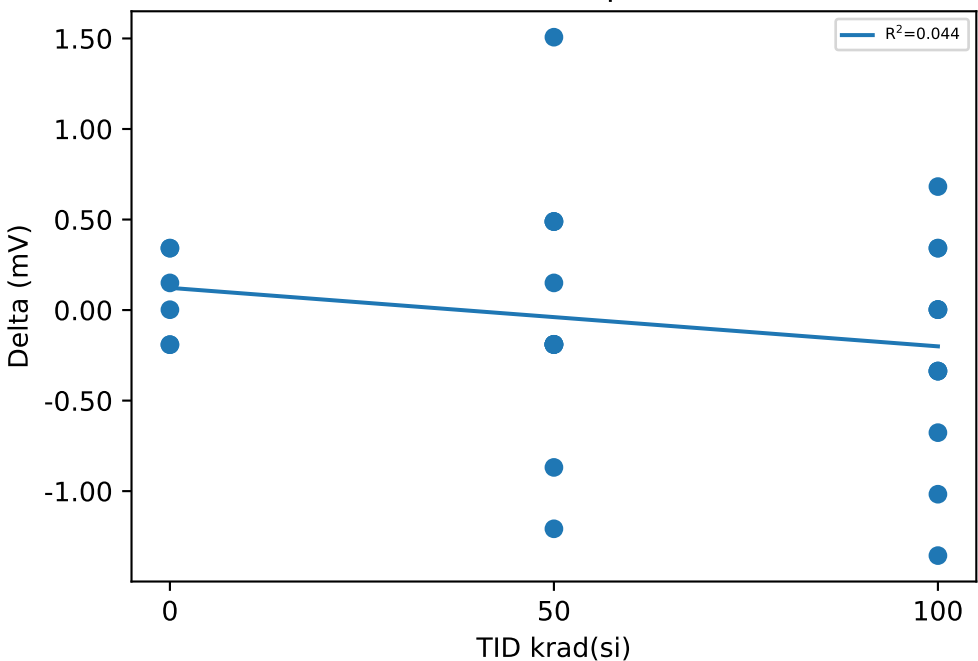
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 600.59     | 600.4       | -0.191 |
| 201      | 0        | Correlation         | 599.58     | 599.38      | -0.191 |
| 202      | 0        | Correlation         | 598.89     | 599.04      | 0.15   |
| 203      | 50       | Biased              | 599.24     | 599.72      | 0.489  |
| 204      | 50       | Biased              | 598.89     | 598.71      | -0.189 |
| 205      | 50       | Biased              | 598.89     | 598.71      | -0.189 |
| 206      | 50       | Biased              | 599.58     | 599.38      | -0.191 |
| 207      | 50       | Biased              | 599.24     | 598.37      | -0.869 |
| 208      | 50       | Biased              | 599.24     | 599.72      | 0.489  |
| 209      | 50       | Unbiased            | 599.24     | 599.04      | -0.19  |
| 210      | 50       | Unbiased            | 599.24     | 599.04      | -0.19  |
| 211      | 50       | Unbiased            | 598.89     | 599.04      | 0.15   |
| 212      | 50       | Unbiased            | 598.89     | 599.38      | 0.489  |
| 213      | 50       | Unbiased            | 599.24     | 598.03      | -1.208 |
| 214      | 50       | Unbiased            | 598.56     | 600.06      | 1.507  |
| 1200     | 0        | Correlation         | 600.59     | 600.6       | 0.002  |
| 1201     | 0        | Correlation         | 599.58     | 599.92      | 0.342  |
| 1202     | 0        | Correlation         | 598.89     | 599.24      | 0.342  |
| 1203     | 100      | Biased              | 599.24     | 599.24      | 0.002  |
| 1204     | 100      | Biased              | 598.89     | 598.56      | -0.337 |
| 1205     | 100      | Biased              | 598.89     | 598.9       | 0.003  |
| 1206     | 100      | Biased              | 599.58     | 599.92      | 0.342  |
| 1207     | 100      | Biased              | 599.24     | 597.88      | -1.356 |
| 1208     | 100      | Biased              | 599.24     | 598.9       | -0.337 |
| 1209     | 100      | Unbiased            | 599.24     | 598.56      | -0.677 |
| 1210     | 100      | Unbiased            | 599.24     | 598.9       | -0.337 |
| 1211     | 100      | Unbiased            | 598.89     | 598.9       | 0.003  |
| 1212     | 100      | Unbiased            | 598.89     | 599.58      | 0.682  |
| 1213     | 100      | Unbiased            | 599.24     | 598.22      | -1.017 |
| 1214     | 100      | Unbiased            | 598.56     | 598.9       | 0.342  |

TID vs Post - Pre Exposure Delta

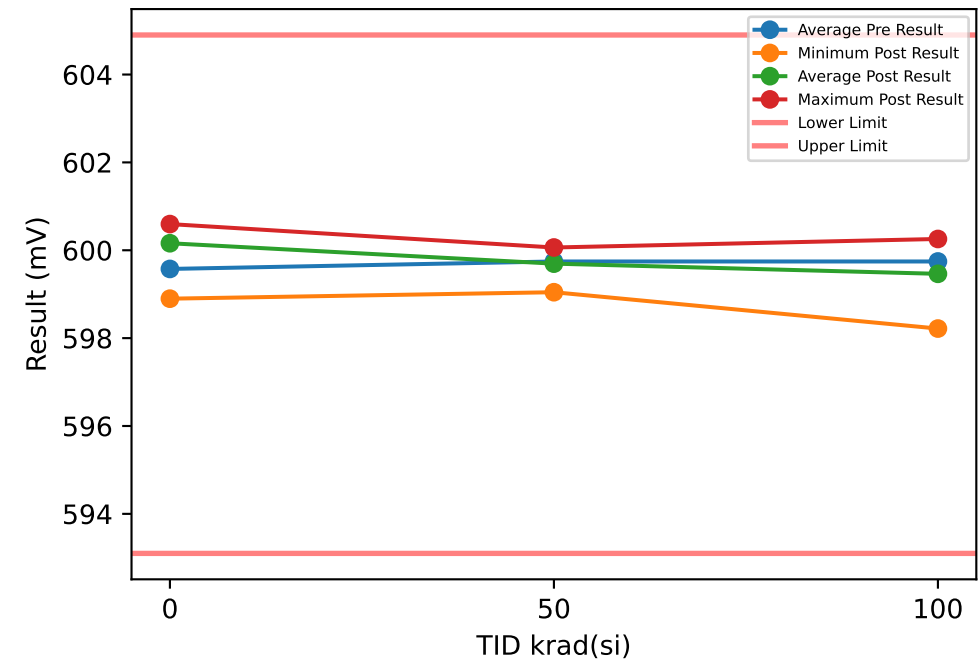


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 598.89           | 599.69           | 600.59           | 0.76484          | 599.04            | 599.76            | 600.6             | 0.64235           | -0.191    | 0.075667  | 0.342     | 0.24292   |
| 50       | 598.56           | 599.09           | 599.58           | 0.26943          | 598.03            | 599.1             | 600.06            | 0.59368           | -1.208    | 0.0081667 | 1.507     | 0.70095   |
| 100      | 598.56           | 599.09           | 599.58           | 0.26943          | 597.88            | 598.87            | 599.92            | 0.55075           | -1.356    | -0.22392  | 0.682     | 0.58539   |

Device Test: 13.10 ; VTH\_SENSE

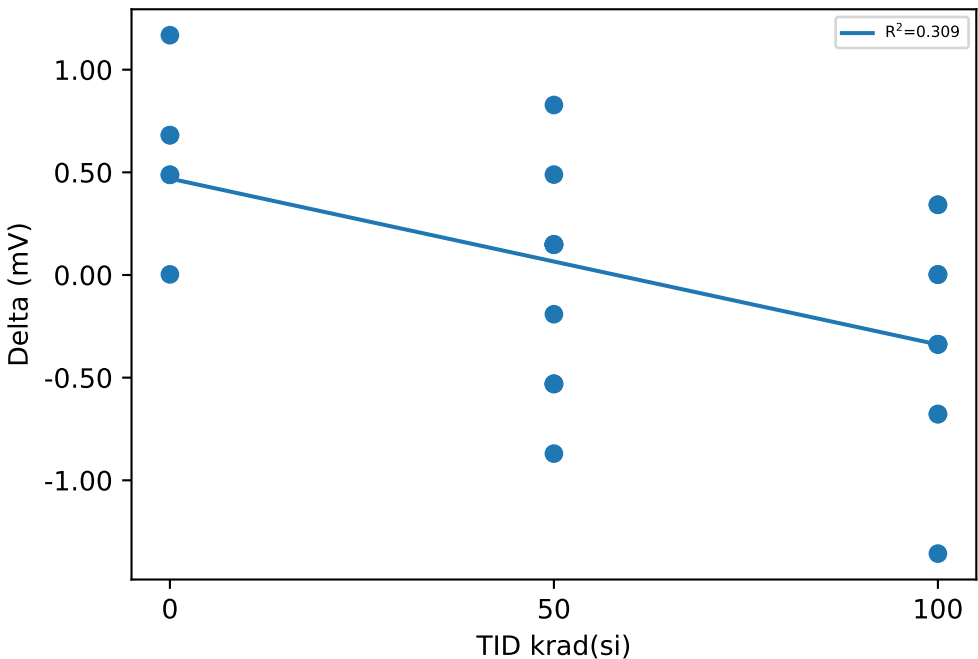
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 599.91     | 600.4       | 0.488  |
| 201      | 0        | Correlation         | 599.91     | 600.4       | 0.488  |
| 202      | 0        | Correlation         | 598.89     | 600.06      | 1.168  |
| 203      | 50       | Biased              | 599.91     | 599.38      | -0.531 |
| 204      | 50       | Biased              | 599.24     | 600.06      | 0.828  |
| 205      | 50       | Biased              | 599.58     | 599.72      | 0.149  |
| 206      | 50       | Biased              | 599.58     | 599.72      | 0.149  |
| 207      | 50       | Biased              | 599.58     | 599.38      | -0.191 |
| 208      | 50       | Biased              | 599.91     | 600.06      | 0.148  |
| 209      | 50       | Unbiased            | 599.91     | 600.06      | 0.148  |
| 210      | 50       | Unbiased            | 600.59     | 599.72      | -0.87  |
| 211      | 50       | Unbiased            | 598.89     | 599.38      | 0.489  |
| 212      | 50       | Unbiased            | 600.25     | 599.72      | -0.53  |
| 213      | 50       | Unbiased            | 599.58     | 599.04      | -0.53  |
| 214      | 50       | Unbiased            | 599.91     | 600.06      | 0.148  |
| 1200     | 0        | Correlation         | 599.91     | 600.6       | 0.681  |
| 1201     | 0        | Correlation         | 599.91     | 600.6       | 0.681  |
| 1202     | 0        | Correlation         | 598.89     | 598.9       | 0.003  |
| 1203     | 100      | Biased              | 599.91     | 599.92      | 0.002  |
| 1204     | 100      | Biased              | 599.24     | 598.9       | -0.337 |
| 1205     | 100      | Biased              | 599.58     | 599.24      | -0.338 |
| 1206     | 100      | Biased              | 599.58     | 599.92      | 0.342  |
| 1207     | 100      | Biased              | 599.58     | 598.22      | -1.357 |
| 1208     | 100      | Biased              | 599.91     | 599.58      | -0.338 |
| 1209     | 100      | Unbiased            | 599.91     | 599.92      | 0.002  |
| 1210     | 100      | Unbiased            | 600.59     | 599.92      | -0.677 |
| 1211     | 100      | Unbiased            | 598.89     | 599.24      | 0.342  |
| 1212     | 100      | Unbiased            | 600.25     | 600.26      | 0.003  |
| 1213     | 100      | Unbiased            | 599.58     | 599.24      | -0.338 |
| 1214     | 100      | Unbiased            | 599.91     | 599.24      | -0.678 |

TID vs Post - Pre Exposure Delta

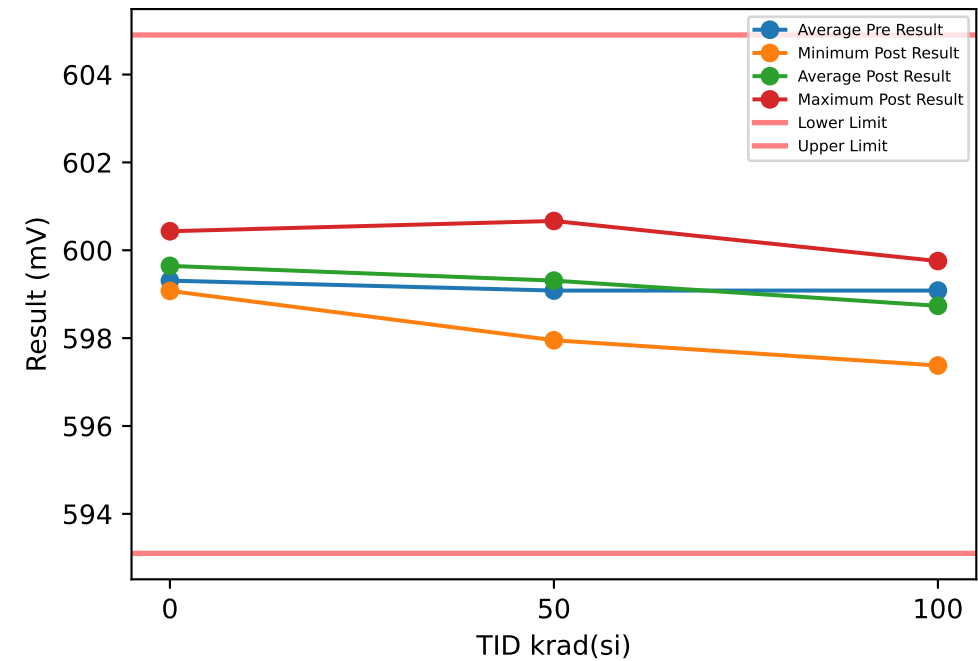


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 598.89           | 599.57           | 599.91           | 0.52673          | 598.9             | 600.16            | 600.6             | 0.64813           | 0.003     | 0.58483   | 1.168     | 0.37838   |
| 50       | 598.89           | 599.74           | 600.59           | 0.44657          | 599.04            | 599.7             | 600.06            | 0.33814           | -0.87     | -0.049417 | 0.828     | 0.49014   |
| 100      | 598.89           | 599.74           | 600.59           | 0.44657          | 598.22            | 599.46            | 600.26            | 0.56741           | -1.357    | -0.281    | 0.342     | 0.47694   |

Device Test: 13.11 ; VTH\_SENSE

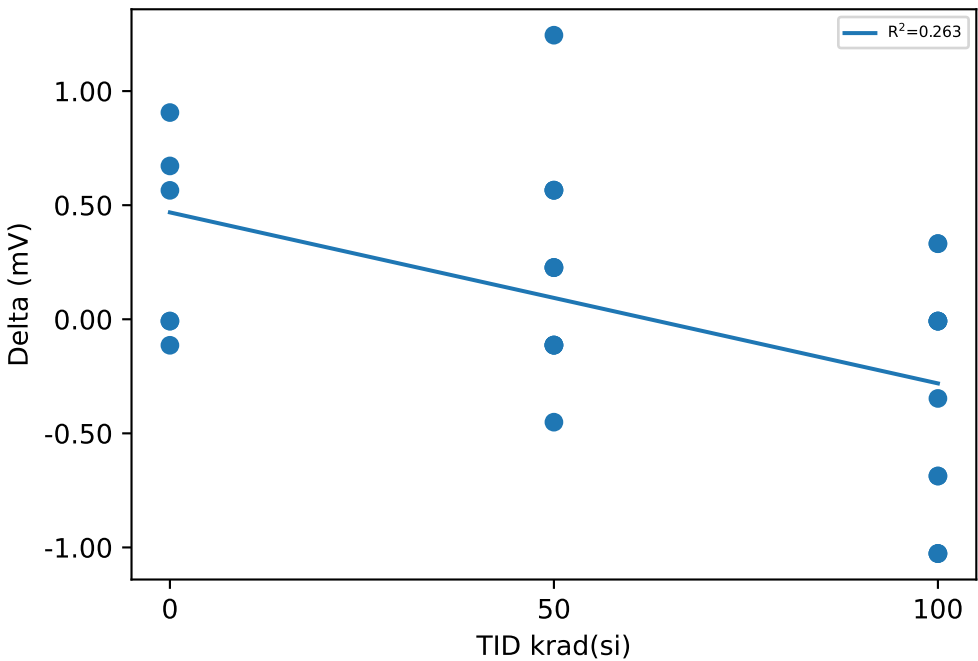
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 599.08     | 599.65      | 0.565  |
| 201      | 0        | Correlation         | 600.44     | 600.33      | -0.114 |
| 202      | 0        | Correlation         | 598.4      | 599.31      | 0.906  |
| 203      | 50       | Biased              | 599.42     | 599.31      | -0.113 |
| 204      | 50       | Biased              | 599.76     | 599.99      | 0.226  |
| 205      | 50       | Biased              | 598.4      | 597.95      | -0.451 |
| 206      | 50       | Biased              | 598.4      | 599.65      | 1.245  |
| 207      | 50       | Biased              | 598.4      | 598.63      | 0.227  |
| 208      | 50       | Biased              | 599.08     | 599.65      | 0.565  |
| 209      | 50       | Unbiased            | 598.06     | 598.63      | 0.566  |
| 210      | 50       | Unbiased            | 599.08     | 598.97      | -0.113 |
| 211      | 50       | Unbiased            | 599.42     | 599.31      | -0.113 |
| 212      | 50       | Unbiased            | 600.78     | 600.67      | -0.114 |
| 213      | 50       | Unbiased            | 599.42     | 599.99      | 0.566  |
| 214      | 50       | Unbiased            | 598.74     | 598.97      | 0.227  |
| 1200     | 0        | Correlation         | 599.08     | 599.08      | -0.008 |
| 1201     | 0        | Correlation         | 600.44     | 600.43      | -0.008 |
| 1202     | 0        | Correlation         | 598.4      | 599.08      | 0.672  |
| 1203     | 100      | Biased              | 599.42     | 599.41      | -0.008 |
| 1204     | 100      | Biased              | 599.76     | 598.74      | -1.027 |
| 1205     | 100      | Biased              | 598.4      | 597.38      | -1.026 |
| 1206     | 100      | Biased              | 598.4      | 598.74      | 0.332  |
| 1207     | 100      | Biased              | 598.4      | 597.72      | -0.687 |
| 1208     | 100      | Biased              | 599.08     | 599.41      | 0.331  |
| 1209     | 100      | Unbiased            | 598.06     | 598.06      | -0.008 |
| 1210     | 100      | Unbiased            | 599.08     | 599.08      | -0.008 |
| 1211     | 100      | Unbiased            | 599.42     | 599.08      | -0.347 |
| 1212     | 100      | Unbiased            | 600.78     | 599.75      | -1.027 |
| 1213     | 100      | Unbiased            | 599.42     | 598.74      | -0.687 |
| 1214     | 100      | Unbiased            | 598.74     | 598.74      | -0.008 |

TID vs Post - Pre Exposure Delta

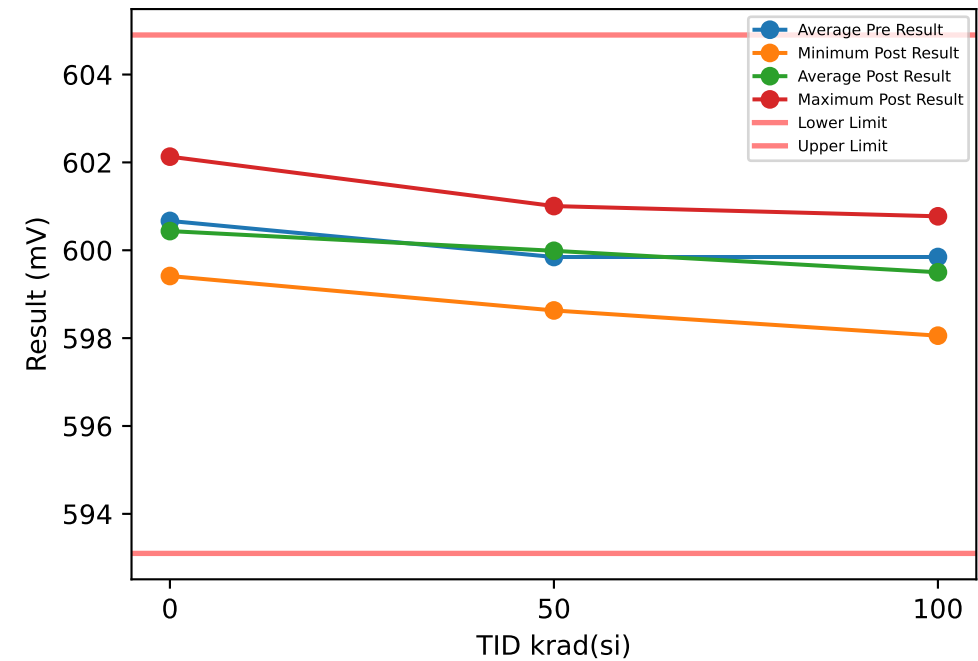


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 598.4            | 599.31           | 600.44           | 0.92808          | 599.08            | 599.64            | 600.43            | 0.60807           | -0.114    | 0.3355    | 0.906     | 0.43114   |
| 50       | 598.06           | 599.08           | 600.78           | 0.75258          | 597.95            | 599.31            | 600.67            | 0.7379            | -0.451    | 0.2265    | 1.245     | 0.45758   |
| 100      | 598.06           | 599.08           | 600.78           | 0.75258          | 597.38            | 598.74            | 599.75            | 0.70937           | -1.027    | -0.3475   | 0.332     | 0.52201   |

Device Test: 13.12 ; VTH\_SENSE

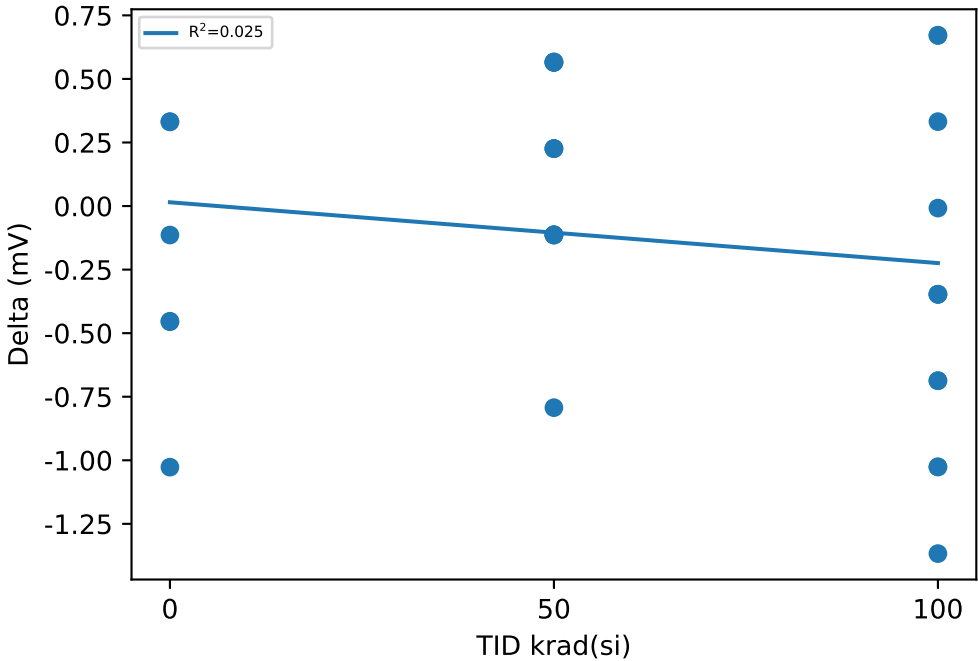
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 600.44     | 599.99      | -0.453 |
| 201      | 0        | Correlation         | 601.8      | 601.35      | -0.455 |
| 202      | 0        | Correlation         | 599.76     | 599.65      | -0.114 |
| 203      | 50       | Biased              | 599.76     | 600.33      | 0.565  |
| 204      | 50       | Biased              | 599.42     | 599.65      | 0.226  |
| 205      | 50       | Biased              | 598.74     | 598.63      | -0.113 |
| 206      | 50       | Biased              | 599.76     | 600.33      | 0.565  |
| 207      | 50       | Biased              | 598.4      | 598.97      | 0.567  |
| 208      | 50       | Biased              | 601.12     | 601.01      | -0.114 |
| 209      | 50       | Unbiased            | 598.74     | 599.31      | 0.566  |
| 210      | 50       | Unbiased            | 600.1      | 600.33      | 0.226  |
| 211      | 50       | Unbiased            | 600.1      | 600.33      | 0.226  |
| 212      | 50       | Unbiased            | 601.12     | 601.01      | -0.114 |
| 213      | 50       | Unbiased            | 600.1      | 599.99      | -0.113 |
| 214      | 50       | Unbiased            | 600.78     | 599.99      | -0.793 |
| 1200     | 0        | Correlation         | 600.44     | 599.41      | -1.027 |
| 1201     | 0        | Correlation         | 601.8      | 602.13      | 0.331  |
| 1202     | 0        | Correlation         | 599.76     | 600.09      | 0.332  |
| 1203     | 100      | Biased              | 599.76     | 600.43      | 0.671  |
| 1204     | 100      | Biased              | 599.42     | 599.08      | -0.347 |
| 1205     | 100      | Biased              | 598.74     | 598.06      | -0.687 |
| 1206     | 100      | Biased              | 599.76     | 599.08      | -0.687 |
| 1207     | 100      | Biased              | 598.4      | 598.06      | -0.347 |
| 1208     | 100      | Biased              | 601.12     | 600.09      | -1.026 |
| 1209     | 100      | Unbiased            | 598.74     | 598.74      | -0.008 |
| 1210     | 100      | Unbiased            | 600.1      | 600.43      | 0.332  |
| 1211     | 100      | Unbiased            | 600.1      | 600.77      | 0.672  |
| 1212     | 100      | Unbiased            | 601.12     | 600.77      | -0.347 |
| 1213     | 100      | Unbiased            | 600.1      | 599.08      | -1.026 |
| 1214     | 100      | Unbiased            | 600.78     | 599.41      | -1.367 |

TID vs Post - Pre Exposure Delta

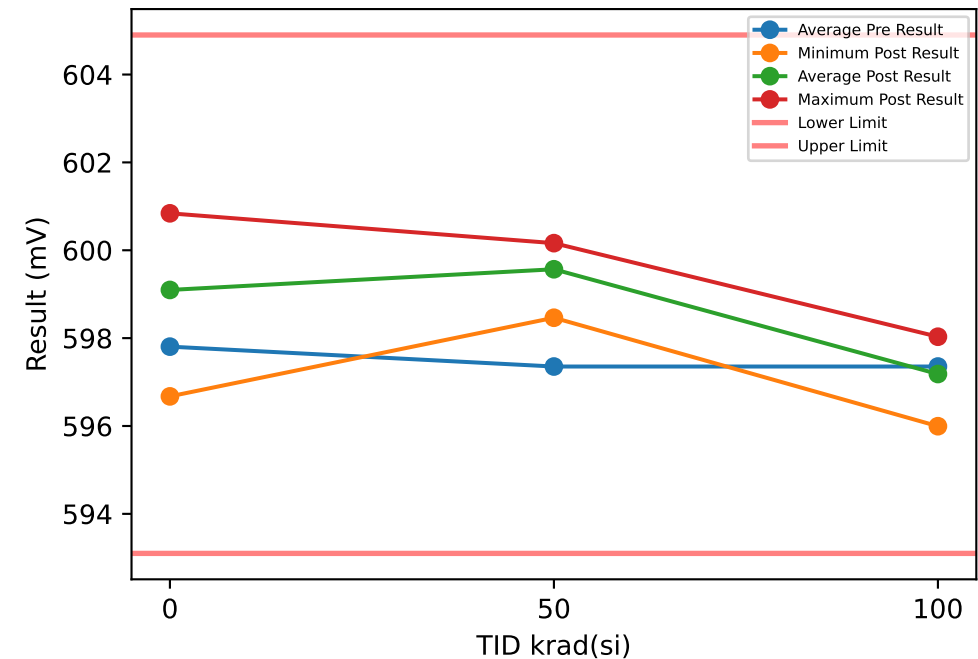


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 599.76           | 600.67           | 601.8            | 0.92818          | 599.41            | 600.44            | 602.13            | 1.0661            | -1.027    | -0.231    | 0.332     | 0.52528   |
| 50       | 598.4            | 599.85           | 601.12           | 0.90578          | 598.63            | 599.99            | 601.01            | 0.7379            | -0.793    | 0.14117   | 0.567     | 0.41284   |
| 100      | 598.4            | 599.85           | 601.12           | 0.90578          | 598.06            | 599.5             | 600.77            | 0.98348           | -1.367    | -0.34725  | 0.672     | 0.66362   |

Device Test: 13.13 ; VTH\_SENSE

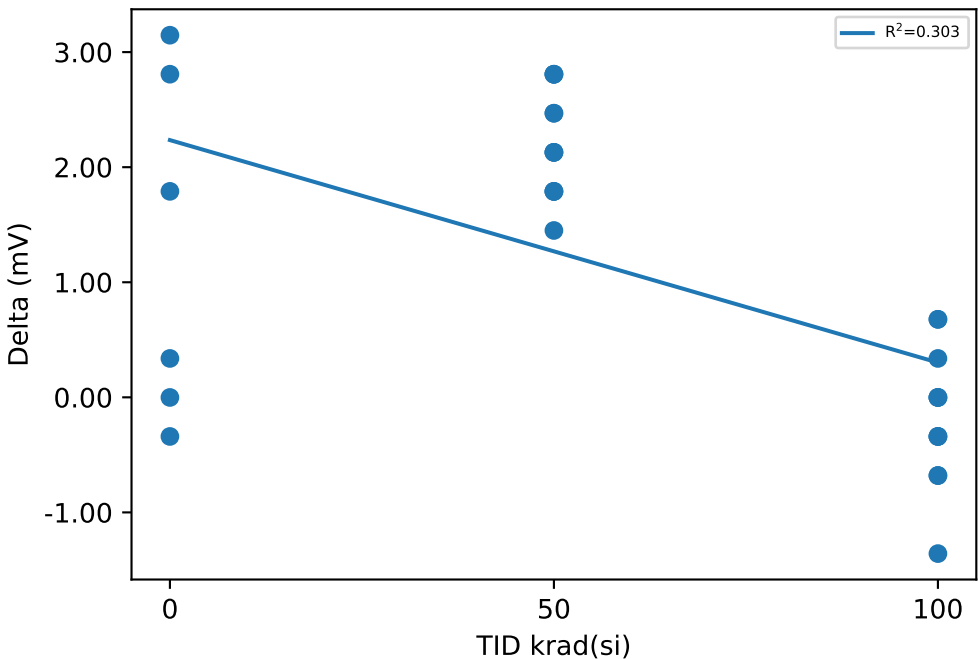
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 599.05     | 600.84      | 1.79   |
| 201      | 0        | Correlation         | 597.69     | 600.5       | 2.808  |
| 202      | 0        | Correlation         | 596.67     | 599.82      | 3.147  |
| 203      | 50       | Biased              | 597.01     | 599.82      | 2.808  |
| 204      | 50       | Biased              | 597.69     | 599.82      | 2.129  |
| 205      | 50       | Biased              | 596.67     | 598.46      | 1.789  |
| 206      | 50       | Biased              | 597.69     | 599.14      | 1.45   |
| 207      | 50       | Biased              | 597.01     | 599.14      | 2.129  |
| 208      | 50       | Biased              | 598.37     | 600.16      | 1.79   |
| 209      | 50       | Unbiased            | 597.69     | 600.16      | 2.469  |
| 210      | 50       | Unbiased            | 597.69     | 599.48      | 1.79   |
| 211      | 50       | Unbiased            | 597.35     | 600.16      | 2.808  |
| 212      | 50       | Unbiased            | 597.69     | 599.82      | 2.129  |
| 213      | 50       | Unbiased            | 595.66     | 598.46      | 2.807  |
| 214      | 50       | Unbiased            | 597.69     | 600.16      | 2.469  |
| 1200     | 0        | Correlation         | 599.05     | 599.39      | 0.338  |
| 1201     | 0        | Correlation         | 597.69     | 597.35      | -0.34  |
| 1202     | 0        | Correlation         | 596.67     | 596.67      | -0.001 |
| 1203     | 100      | Biased              | 597.01     | 597.69      | 0.678  |
| 1204     | 100      | Biased              | 597.69     | 596.34      | -1.358 |
| 1205     | 100      | Biased              | 596.67     | 596         | -0.68  |
| 1206     | 100      | Biased              | 597.69     | 597.35      | -0.34  |
| 1207     | 100      | Biased              | 597.01     | 596.34      | -0.679 |
| 1208     | 100      | Biased              | 598.37     | 598.03      | -0.34  |
| 1209     | 100      | Unbiased            | 597.69     | 597.35      | -0.34  |
| 1210     | 100      | Unbiased            | 597.69     | 597.69      | -0.001 |
| 1211     | 100      | Unbiased            | 597.35     | 597.69      | 0.338  |
| 1212     | 100      | Unbiased            | 597.69     | 597.69      | -0.001 |
| 1213     | 100      | Unbiased            | 595.66     | 596.34      | 0.678  |
| 1214     | 100      | Unbiased            | 597.69     | 597.69      | -0.001 |

TID vs Post - Pre Exposure Delta



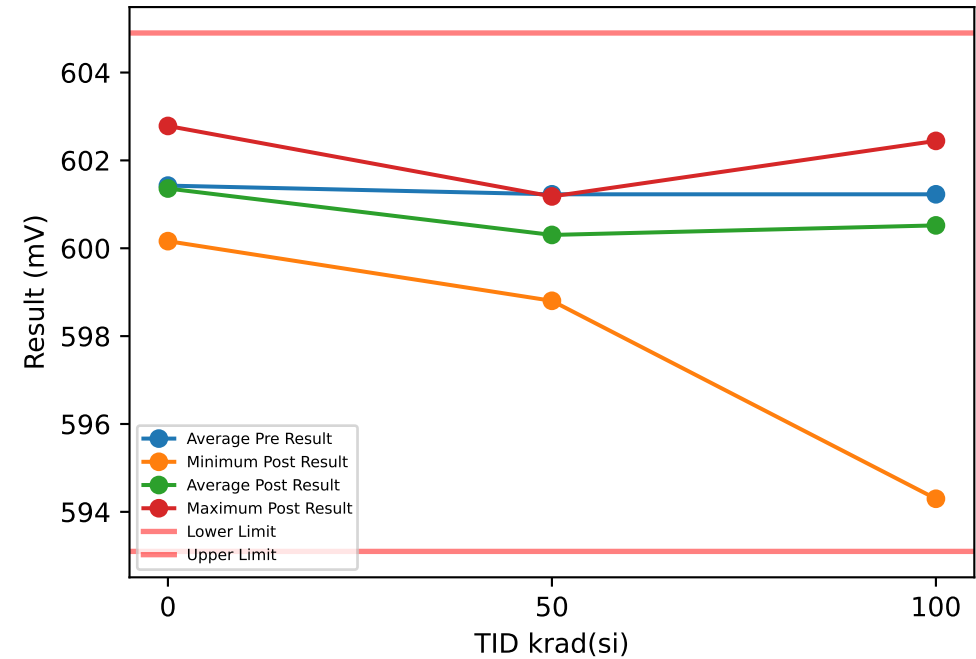
Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 596.67           | 597.81           | 599.05           | 1.0662           | 596.67            | 599.1             | 600.84            | 1.7051            | -0.34     | 1.2903    | 3.147     | 1.4988    |
| 50       | 595.66           | 597.35           | 598.37           | 0.69399          | 598.46            | 599.57            | 600.16            | 0.63325           | 1.45      | 2.2139    | 2.808     | 0.46053   |
| 100      | 595.66           | 597.35           | 598.37           | 0.69399          | 596               | 597.18            | 598.03            | 0.71622           | -1.358    | -0.1705   | 0.678     | 0.58769   |



Device Test: 13.14 ; VTH\_SENSE

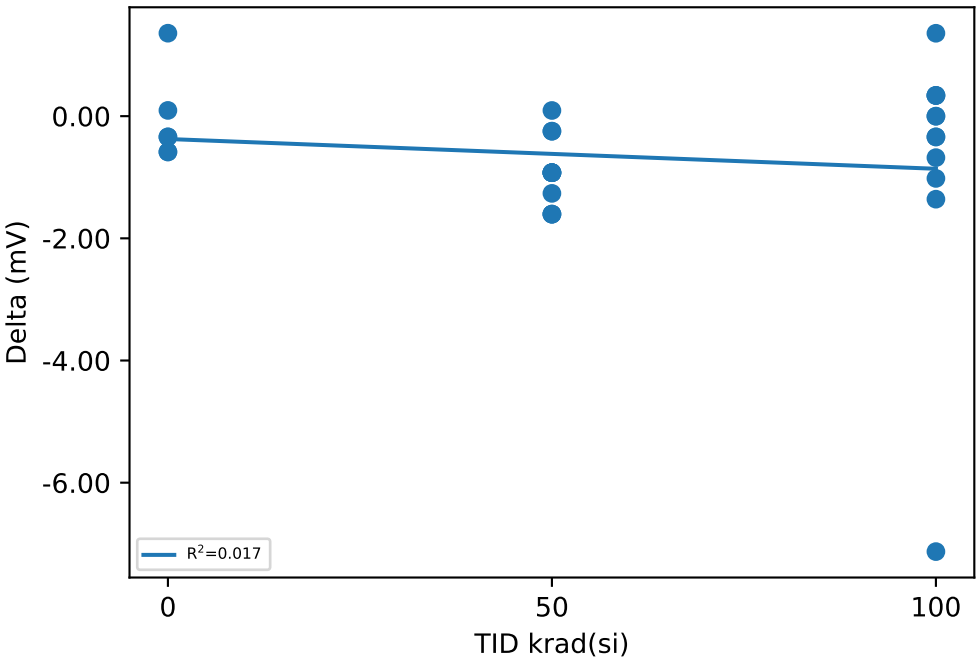
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 601.43     | 601.52      | 0.094  |
| 201      | 0        | Correlation         | 602.11     | 601.52      | -0.585 |
| 202      | 0        | Correlation         | 600.75     | 600.16      | -0.586 |
| 203      | 50       | Biased              | 601.09     | 600.84      | -0.246 |
| 204      | 50       | Biased              | 601.43     | 600.5       | -0.925 |
| 205      | 50       | Biased              | 600.41     | 598.8       | -1.604 |
| 206      | 50       | Biased              | 601.09     | 600.16      | -0.925 |
| 207      | 50       | Biased              | 600.07     | 599.14      | -0.926 |
| 208      | 50       | Biased              | 602.11     | 600.84      | -1.264 |
| 209      | 50       | Unbiased            | 601.43     | 600.5       | -0.925 |
| 210      | 50       | Unbiased            | 602.45     | 600.84      | -1.604 |
| 211      | 50       | Unbiased            | 601.43     | 600.5       | -0.925 |
| 212      | 50       | Unbiased            | 601.09     | 601.18      | 0.093  |
| 213      | 50       | Unbiased            | 601.09     | 599.48      | -1.604 |
| 214      | 50       | Unbiased            | 601.09     | 600.84      | -0.246 |
| 1200     | 0        | Correlation         | 601.43     | 602.78      | 1.358  |
| 1201     | 0        | Correlation         | 602.11     | 601.76      | -0.34  |
| 1202     | 0        | Correlation         | 600.75     | 600.41      | -0.34  |
| 1203     | 100      | Biased              | 601.09     | 600.75      | -0.34  |
| 1204     | 100      | Biased              | 601.43     | 601.43      | 0      |
| 1205     | 100      | Biased              | 600.41     | 600.75      | 0.339  |
| 1206     | 100      | Biased              | 601.09     | 601.43      | 0.339  |
| 1207     | 100      | Biased              | 600.07     | 600.41      | 0.339  |
| 1208     | 100      | Biased              | 602.11     | 601.43      | -0.679 |
| 1209     | 100      | Unbiased            | 601.43     | 601.09      | -0.34  |
| 1210     | 100      | Unbiased            | 602.45     | 601.09      | -1.359 |
| 1211     | 100      | Unbiased            | 601.43     | 594.3       | -7.128 |
| 1212     | 100      | Unbiased            | 601.09     | 602.44      | 1.357  |
| 1213     | 100      | Unbiased            | 601.09     | 600.07      | -1.019 |
| 1214     | 100      | Unbiased            | 601.09     | 601.09      | -0.001 |

TID vs Post - Pre Exposure Delta

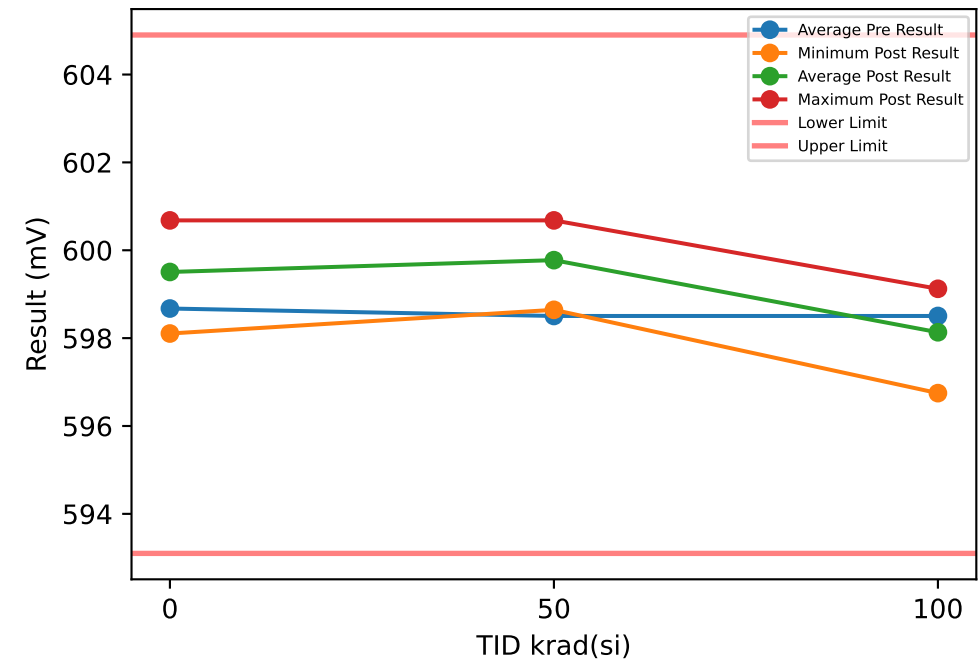


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 600.75           | 601.43           | 602.11           | 0.60687          | 600.16            | 601.36            | 602.78            | 0.95755           | -0.586    | -0.0665   | 1.358     | 0.74071   |
| 50       | 600.07           | 601.23           | 602.45           | 0.63839          | 598.8             | 600.3             | 601.18            | 0.75855           | -1.604    | -0.92508  | 0.093     | 0.56056   |
| 100      | 600.07           | 601.23           | 602.45           | 0.63839          | 594.3             | 600.52            | 602.44            | 2.0485            | -7.128    | -0.70767  | 1.357     | 2.144     |

Device Test: 13.15 ; VTH\_SENSE

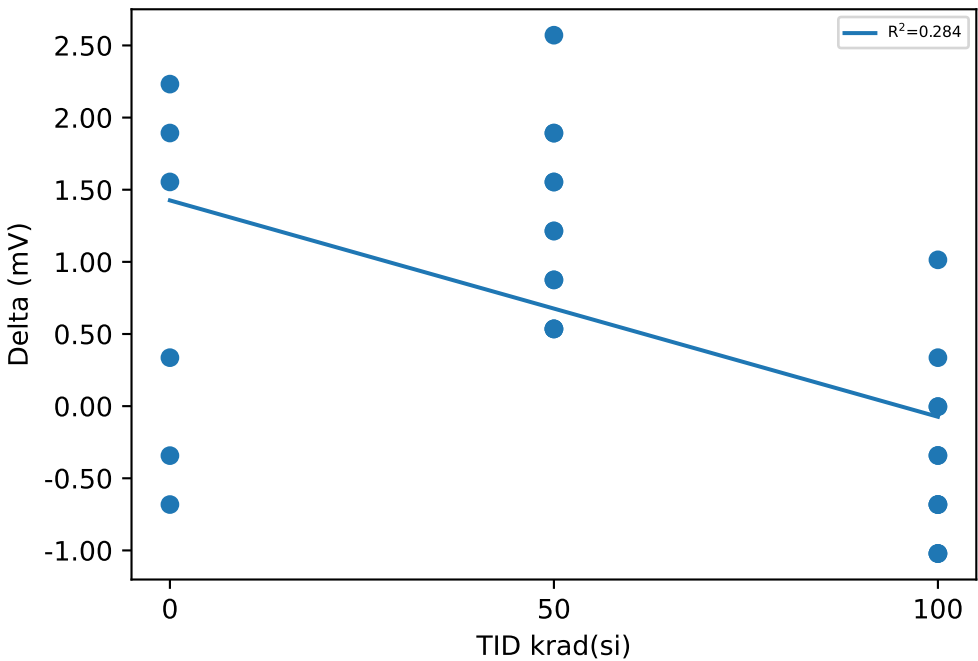
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 598.45     | 600.68      | 2.232  |
| 201      | 0        | Correlation         | 598.45     | 600.34      | 1.893  |
| 202      | 0        | Correlation         | 599.13     | 600.68      | 1.554  |
| 203      | 50       | Biased              | 597.43     | 599.32      | 1.892  |
| 204      | 50       | Biased              | 597.77     | 599.32      | 1.553  |
| 205      | 50       | Biased              | 597.77     | 598.64      | 0.875  |
| 206      | 50       | Biased              | 599.13     | 599.66      | 0.536  |
| 207      | 50       | Biased              | 598.11     | 599.32      | 1.213  |
| 208      | 50       | Biased              | 599.47     | 600         | 0.535  |
| 209      | 50       | Unbiased            | 598.45     | 598.98      | 0.535  |
| 210      | 50       | Unbiased            | 599.13     | 600.34      | 1.215  |
| 211      | 50       | Unbiased            | 598.11     | 600.68      | 2.571  |
| 212      | 50       | Unbiased            | 599.13     | 600         | 0.875  |
| 213      | 50       | Unbiased            | 599.13     | 600.68      | 1.554  |
| 214      | 50       | Unbiased            | 598.45     | 600.34      | 1.893  |
| 1200     | 0        | Correlation         | 598.45     | 598.11      | -0.343 |
| 1201     | 0        | Correlation         | 598.45     | 598.78      | 0.336  |
| 1202     | 0        | Correlation         | 599.13     | 598.44      | -0.682 |
| 1203     | 100      | Biased              | 597.43     | 598.44      | 1.014  |
| 1204     | 100      | Biased              | 597.77     | 596.75      | -1.021 |
| 1205     | 100      | Biased              | 597.77     | 597.43      | -0.342 |
| 1206     | 100      | Biased              | 599.13     | 599.12      | -0.003 |
| 1207     | 100      | Biased              | 598.11     | 597.09      | -1.022 |
| 1208     | 100      | Biased              | 599.47     | 598.78      | -0.682 |
| 1209     | 100      | Unbiased            | 598.45     | 597.77      | -0.682 |
| 1210     | 100      | Unbiased            | 599.13     | 598.78      | -0.342 |
| 1211     | 100      | Unbiased            | 598.11     | 598.11      | -0.004 |
| 1212     | 100      | Unbiased            | 599.13     | 598.44      | -0.682 |
| 1213     | 100      | Unbiased            | 599.13     | 598.11      | -1.021 |
| 1214     | 100      | Unbiased            | 598.45     | 598.78      | 0.336  |

TID vs Post - Pre Exposure Delta

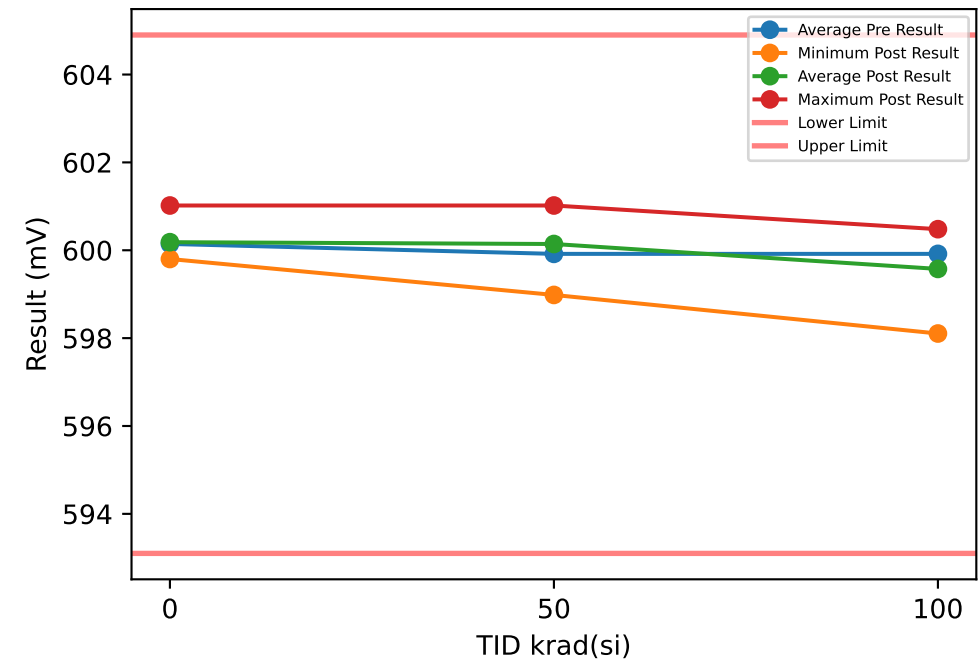


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 598.45           | 598.67           | 599.13           | 0.35012          | 598.11            | 599.51            | 600.68            | 1.1888            | -0.682    | 0.83167   | 2.232     | 1.2269    |
| 50       | 597.43           | 598.5            | 599.47           | 0.6759           | 598.64            | 599.77            | 600.68            | 0.66849           | 0.535     | 1.2706    | 2.571     | 0.64427   |
| 100      | 597.43           | 598.5            | 599.47           | 0.6759           | 596.75            | 598.13            | 599.12            | 0.74419           | -1.022    | -0.37092  | 1.014     | 0.6215    |

Device Test: 13.16 ; VTH\_SENSE

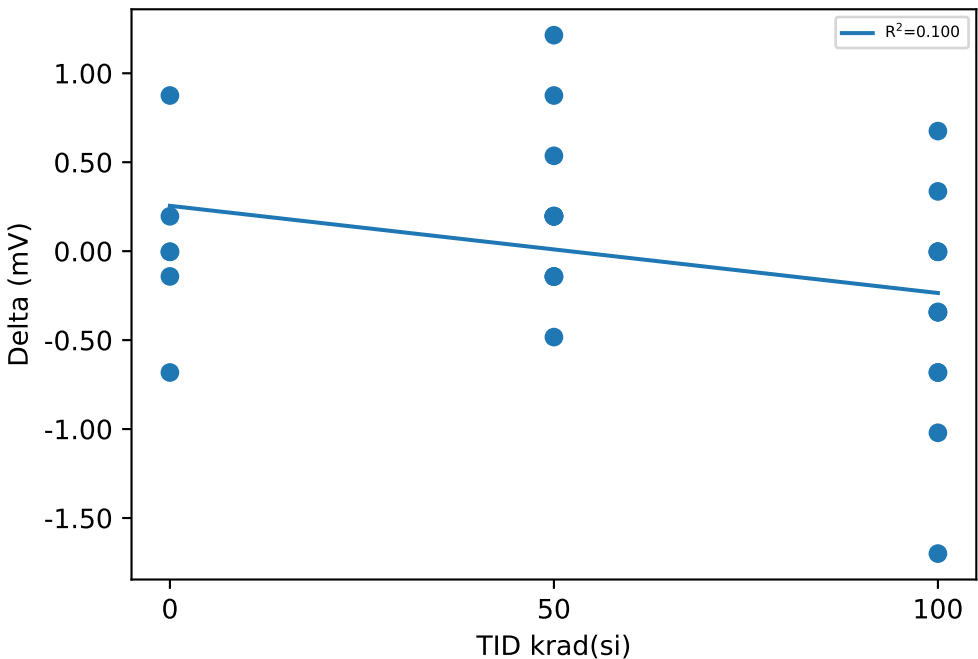
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 599.8      | 600         | 0.196  |
| 201      | 0        | Correlation         | 600.48     | 600.34      | -0.142 |
| 202      | 0        | Correlation         | 600.14     | 601.02      | 0.875  |
| 203      | 50       | Biased              | 599.47     | 599.66      | 0.196  |
| 204      | 50       | Biased              | 599.8      | 599.66      | -0.143 |
| 205      | 50       | Biased              | 599.8      | 599.32      | -0.483 |
| 206      | 50       | Biased              | 600.48     | 600.34      | -0.142 |
| 207      | 50       | Biased              | 599.13     | 598.98      | -0.143 |
| 208      | 50       | Biased              | 600.14     | 601.02      | 0.875  |
| 209      | 50       | Unbiased            | 599.8      | 600.34      | 0.536  |
| 210      | 50       | Unbiased            | 600.14     | 600.34      | 0.197  |
| 211      | 50       | Unbiased            | 600.14     | 600.34      | 0.197  |
| 212      | 50       | Unbiased            | 599.8      | 600         | 0.196  |
| 213      | 50       | Unbiased            | 600.48     | 600.68      | 0.197  |
| 214      | 50       | Unbiased            | 599.8      | 601.02      | 1.214  |
| 1200     | 0        | Correlation         | 599.8      | 599.8       | -0.004 |
| 1201     | 0        | Correlation         | 600.48     | 599.8       | -0.682 |
| 1202     | 0        | Correlation         | 600.14     | 600.14      | -0.003 |
| 1203     | 100      | Biased              | 599.47     | 599.46      | -0.004 |
| 1204     | 100      | Biased              | 599.8      | 598.11      | -1.7   |
| 1205     | 100      | Biased              | 599.8      | 599.12      | -0.682 |
| 1206     | 100      | Biased              | 600.48     | 600.48      | -0.003 |
| 1207     | 100      | Biased              | 599.13     | 598.44      | -0.682 |
| 1208     | 100      | Biased              | 600.14     | 600.48      | 0.336  |
| 1209     | 100      | Unbiased            | 599.8      | 598.78      | -1.021 |
| 1210     | 100      | Unbiased            | 600.14     | 600.14      | -0.003 |
| 1211     | 100      | Unbiased            | 600.14     | 599.8       | -0.343 |
| 1212     | 100      | Unbiased            | 599.8      | 600.48      | 0.675  |
| 1213     | 100      | Unbiased            | 600.48     | 600.14      | -0.342 |
| 1214     | 100      | Unbiased            | 599.8      | 599.46      | -0.343 |

TID vs Post - Pre Exposure Delta

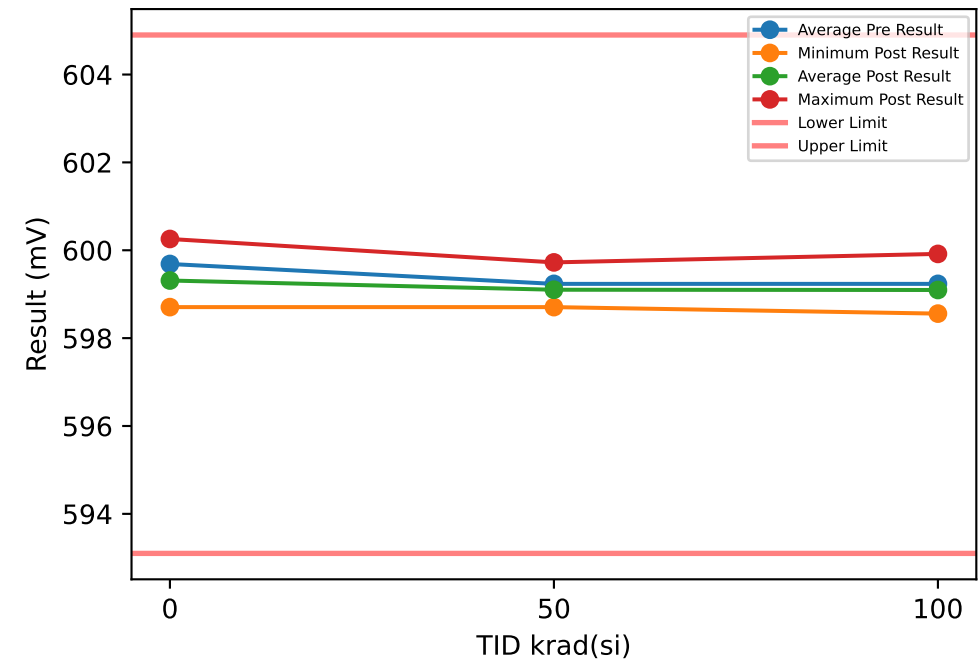


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 599.8            | 600.14           | 600.48           | 0.30321          | 599.8             | 600.18            | 601.02            | 0.45839           | -0.682    | 0.04      | 0.875     | 0.50592   |
| 50       | 599.13           | 599.92           | 600.48           | 0.39163          | 598.98            | 600.14            | 601.02            | 0.63835           | -0.483    | 0.22475   | 1.214     | 0.46789   |
| 100      | 599.13           | 599.92           | 600.48           | 0.39163          | 598.11            | 599.58            | 600.48            | 0.82266           | -1.7      | -0.34267  | 0.675     | 0.63062   |

Device Test: 13.17 ; VTH\_SENSE

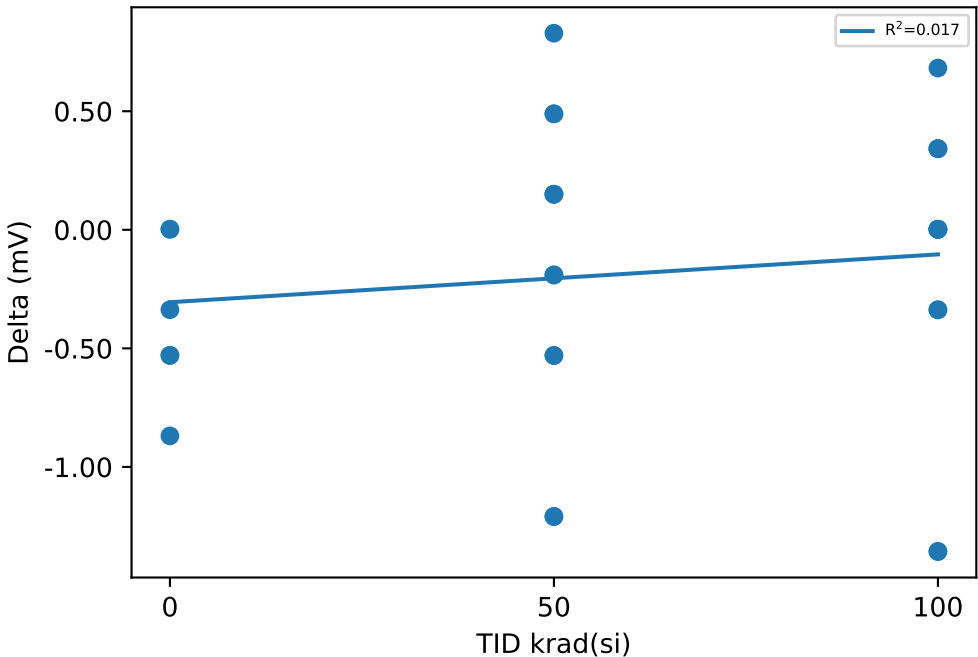
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 600.25     | 599.72      | -0.53  |
| 201      | 0        | Correlation         | 599.58     | 598.71      | -0.869 |
| 202      | 0        | Correlation         | 599.24     | 598.71      | -0.529 |
| 203      | 50       | Biased              | 598.89     | 599.72      | 0.829  |
| 204      | 50       | Biased              | 599.24     | 599.04      | -0.19  |
| 205      | 50       | Biased              | 598.89     | 599.38      | 0.489  |
| 206      | 50       | Biased              | 599.58     | 599.04      | -0.53  |
| 207      | 50       | Biased              | 598.56     | 598.71      | 0.15   |
| 208      | 50       | Biased              | 598.89     | 599.38      | 0.489  |
| 209      | 50       | Unbiased            | 599.91     | 598.71      | -1.209 |
| 210      | 50       | Unbiased            | 600.25     | 599.04      | -1.209 |
| 211      | 50       | Unbiased            | 598.89     | 599.04      | 0.15   |
| 212      | 50       | Unbiased            | 599.58     | 599.04      | -0.53  |
| 213      | 50       | Unbiased            | 598.56     | 598.71      | 0.15   |
| 214      | 50       | Unbiased            | 599.58     | 599.38      | -0.191 |
| 1200     | 0        | Correlation         | 600.25     | 600.26      | 0.003  |
| 1201     | 0        | Correlation         | 599.58     | 599.58      | 0.002  |
| 1202     | 0        | Correlation         | 599.24     | 598.9       | -0.337 |
| 1203     | 100      | Biased              | 598.89     | 598.9       | 0.003  |
| 1204     | 100      | Biased              | 599.24     | 598.9       | -0.337 |
| 1205     | 100      | Biased              | 598.89     | 599.24      | 0.342  |
| 1206     | 100      | Biased              | 599.58     | 599.92      | 0.342  |
| 1207     | 100      | Biased              | 598.56     | 598.56      | 0.002  |
| 1208     | 100      | Biased              | 598.89     | 599.24      | 0.342  |
| 1209     | 100      | Unbiased            | 599.91     | 598.56      | -1.357 |
| 1210     | 100      | Unbiased            | 600.25     | 598.9       | -1.356 |
| 1211     | 100      | Unbiased            | 598.89     | 599.58      | 0.682  |
| 1212     | 100      | Unbiased            | 599.58     | 599.58      | 0.002  |
| 1213     | 100      | Unbiased            | 598.56     | 598.56      | 0.002  |
| 1214     | 100      | Unbiased            | 599.58     | 599.24      | -0.338 |

TID vs Post - Pre Exposure Delta

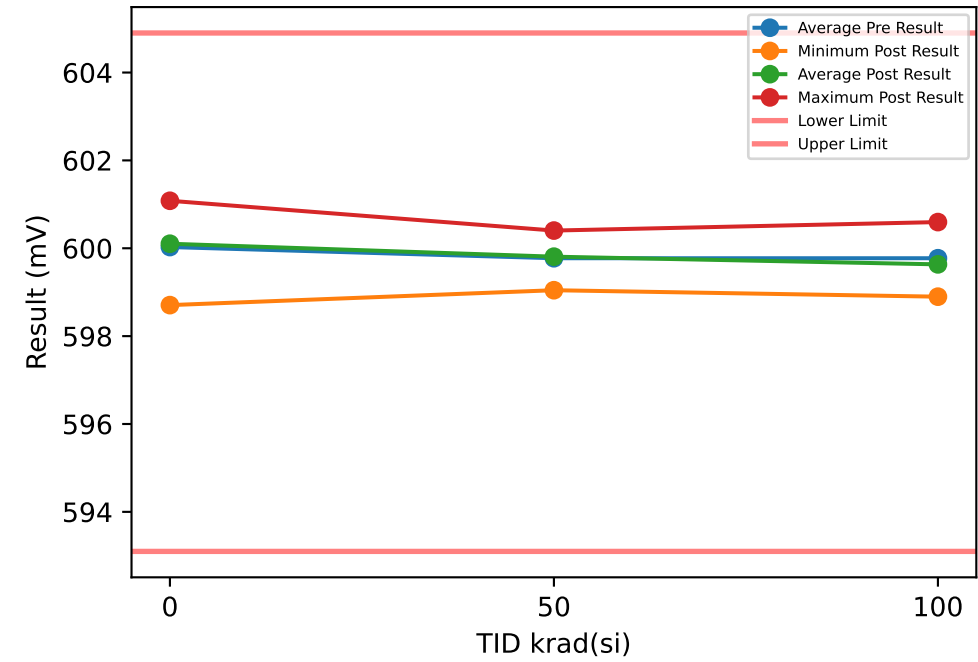


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 599.24           | 599.69           | 600.25           | 0.46404          | 598.71            | 599.31            | 600.26            | 0.63857           | -0.869    | -0.37667  | 0.003     | 0.34006   |
| 50       | 598.56           | 599.24           | 600.25           | 0.54205          | 598.71            | 599.1             | 599.72            | 0.31797           | -1.209    | -0.1335   | 0.829     | 0.64504   |
| 100      | 598.56           | 599.24           | 600.25           | 0.54205          | 598.56            | 599.1             | 599.92            | 0.44542           | -1.357    | -0.13925  | 0.682     | 0.63899   |

Device Test: 13.18 ; VTH\_SENSE

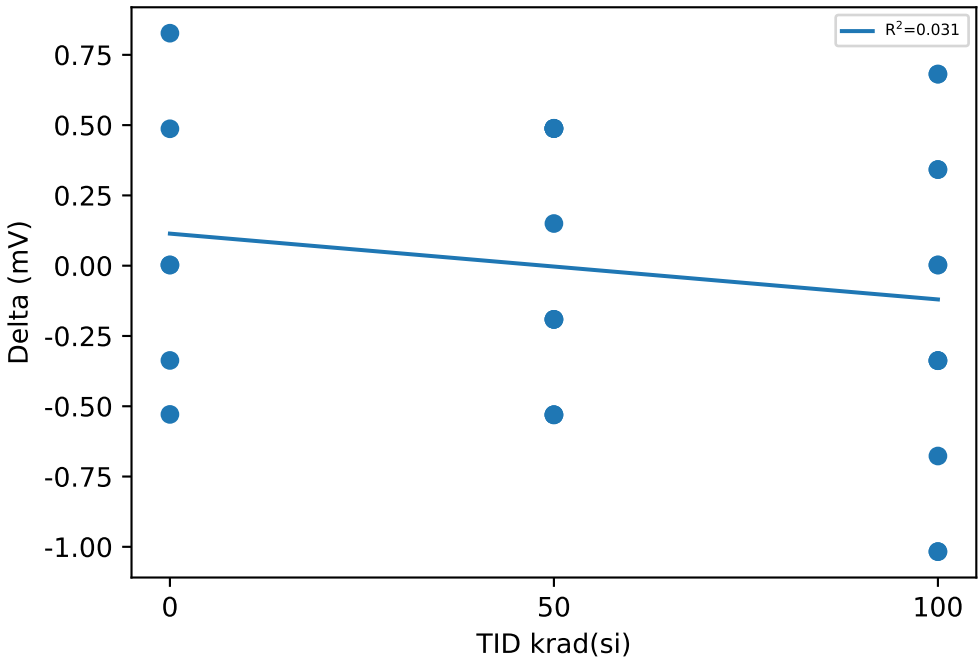
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 600.25     | 601.08      | 0.827  |
| 201      | 0        | Correlation         | 600.59     | 601.08      | 0.487  |
| 202      | 0        | Correlation         | 599.24     | 598.71      | -0.529 |
| 203      | 50       | Biased              | 599.58     | 600.06      | 0.488  |
| 204      | 50       | Biased              | 599.91     | 599.72      | -0.191 |
| 205      | 50       | Biased              | 599.58     | 599.04      | -0.53  |
| 206      | 50       | Biased              | 599.91     | 600.4       | 0.488  |
| 207      | 50       | Biased              | 599.91     | 599.38      | -0.531 |
| 208      | 50       | Biased              | 600.25     | 599.72      | -0.53  |
| 209      | 50       | Unbiased            | 599.91     | 600.4       | 0.488  |
| 210      | 50       | Unbiased            | 600.25     | 600.06      | -0.191 |
| 211      | 50       | Unbiased            | 599.24     | 599.72      | 0.489  |
| 212      | 50       | Unbiased            | 599.58     | 600.06      | 0.488  |
| 213      | 50       | Unbiased            | 598.89     | 599.04      | 0.15   |
| 214      | 50       | Unbiased            | 600.25     | 600.06      | -0.191 |
| 1200     | 0        | Correlation         | 600.25     | 600.26      | 0.003  |
| 1201     | 0        | Correlation         | 600.59     | 600.6       | 0.002  |
| 1202     | 0        | Correlation         | 599.24     | 598.9       | -0.337 |
| 1203     | 100      | Biased              | 599.58     | 599.92      | 0.342  |
| 1204     | 100      | Biased              | 599.91     | 599.58      | -0.338 |
| 1205     | 100      | Biased              | 599.58     | 599.24      | -0.338 |
| 1206     | 100      | Biased              | 599.91     | 600.6       | 0.681  |
| 1207     | 100      | Biased              | 599.91     | 598.9       | -1.017 |
| 1208     | 100      | Biased              | 600.25     | 599.58      | -0.677 |
| 1209     | 100      | Unbiased            | 599.91     | 599.92      | 0.002  |
| 1210     | 100      | Unbiased            | 600.25     | 599.92      | -0.337 |
| 1211     | 100      | Unbiased            | 599.24     | 599.92      | 0.682  |
| 1212     | 100      | Unbiased            | 599.58     | 599.92      | 0.342  |
| 1213     | 100      | Unbiased            | 598.89     | 598.9       | 0.003  |
| 1214     | 100      | Unbiased            | 600.25     | 599.24      | -1.017 |

TID vs Post - Pre Exposure Delta



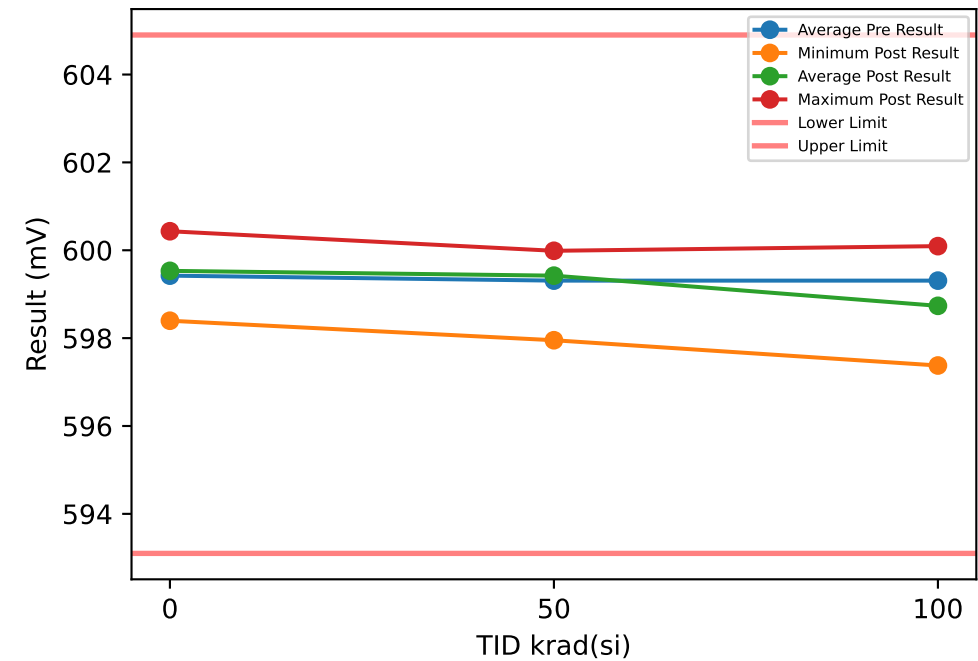
Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 599.24           | 600.03           | 600.59           | 0.63254          | 598.71            | 600.1             | 601.08            | 1.0567            | -0.529    | 0.0755    | 0.827     | 0.50603   |
| 50       | 598.89           | 599.77           | 600.25           | 0.42133          | 599.04            | 599.81            | 600.4             | 0.46058           | -0.531    | 0.035583  | 0.489     | 0.44233   |
| 100      | 598.89           | 599.77           | 600.25           | 0.42133          | 598.9             | 599.63            | 600.6             | 0.49827           | -1.017    | -0.13933  | 0.682     | 0.58766   |



Device Test: 13.19 ; VTH\_SENSE

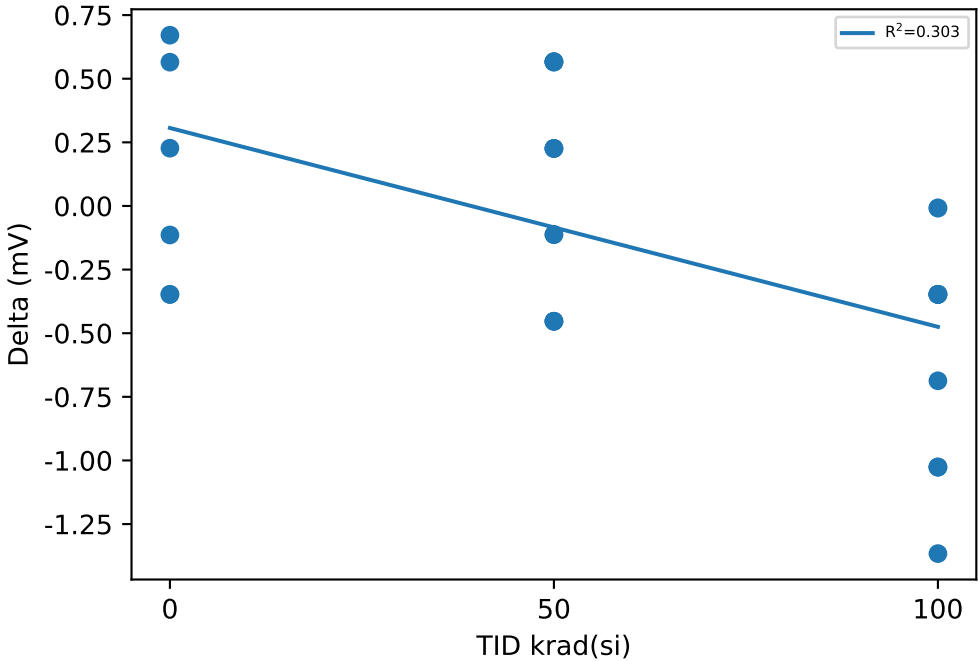
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 599.76     | 599.65      | -0.114 |
| 201      | 0        | Correlation         | 599.76     | 600.33      | 0.565  |
| 202      | 0        | Correlation         | 598.74     | 598.97      | 0.227  |
| 203      | 50       | Biased              | 599.42     | 599.99      | 0.566  |
| 204      | 50       | Biased              | 599.42     | 599.65      | 0.226  |
| 205      | 50       | Biased              | 598.06     | 597.95      | -0.112 |
| 206      | 50       | Biased              | 599.08     | 599.31      | 0.226  |
| 207      | 50       | Biased              | 598.4      | 598.97      | 0.567  |
| 208      | 50       | Biased              | 600.44     | 599.99      | -0.453 |
| 209      | 50       | Unbiased            | 598.4      | 598.97      | 0.567  |
| 210      | 50       | Unbiased            | 599.42     | 599.31      | -0.113 |
| 211      | 50       | Unbiased            | 599.42     | 599.65      | 0.226  |
| 212      | 50       | Unbiased            | 600.44     | 599.99      | -0.453 |
| 213      | 50       | Unbiased            | 600.1      | 599.65      | -0.453 |
| 214      | 50       | Unbiased            | 599.08     | 599.65      | 0.565  |
| 1200     | 0        | Correlation         | 599.76     | 599.41      | -0.348 |
| 1201     | 0        | Correlation         | 599.76     | 600.43      | 0.671  |
| 1202     | 0        | Correlation         | 598.74     | 598.4       | -0.347 |
| 1203     | 100      | Biased              | 599.42     | 599.41      | -0.008 |
| 1204     | 100      | Biased              | 599.42     | 598.4       | -1.026 |
| 1205     | 100      | Biased              | 598.06     | 597.72      | -0.348 |
| 1206     | 100      | Biased              | 599.08     | 598.74      | -0.348 |
| 1207     | 100      | Biased              | 598.4      | 597.38      | -1.026 |
| 1208     | 100      | Biased              | 600.44     | 599.08      | -1.366 |
| 1209     | 100      | Unbiased            | 598.4      | 597.72      | -0.687 |
| 1210     | 100      | Unbiased            | 599.42     | 599.08      | -0.347 |
| 1211     | 100      | Unbiased            | 599.42     | 599.08      | -0.347 |
| 1212     | 100      | Unbiased            | 600.44     | 600.09      | -0.347 |
| 1213     | 100      | Unbiased            | 600.1      | 599.08      | -1.026 |
| 1214     | 100      | Unbiased            | 599.08     | 599.08      | -0.008 |

TID vs Post - Pre Exposure Delta

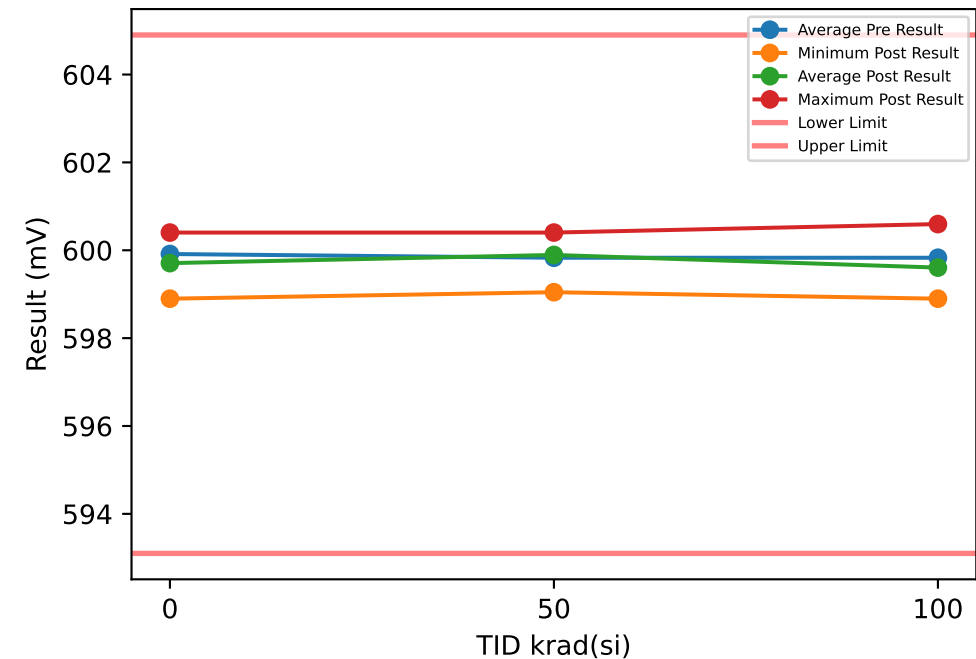


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 598.74           | 599.42           | 599.76           | 0.52621          | 598.4             | 599.53            | 600.43            | 0.78454           | -0.348    | 0.109     | 0.671     | 0.44816   |
| 50       | 598.06           | 599.31           | 600.44           | 0.77078          | 597.95            | 599.42            | 599.99            | 0.58468           | -0.453    | 0.11325   | 0.567     | 0.41809   |
| 100      | 598.06           | 599.31           | 600.44           | 0.77078          | 597.38            | 598.74            | 600.09            | 0.79325           | -1.366    | -0.57367  | -0.008    | 0.44214   |

Device Test: 13.2 ; VTH\_SENSE

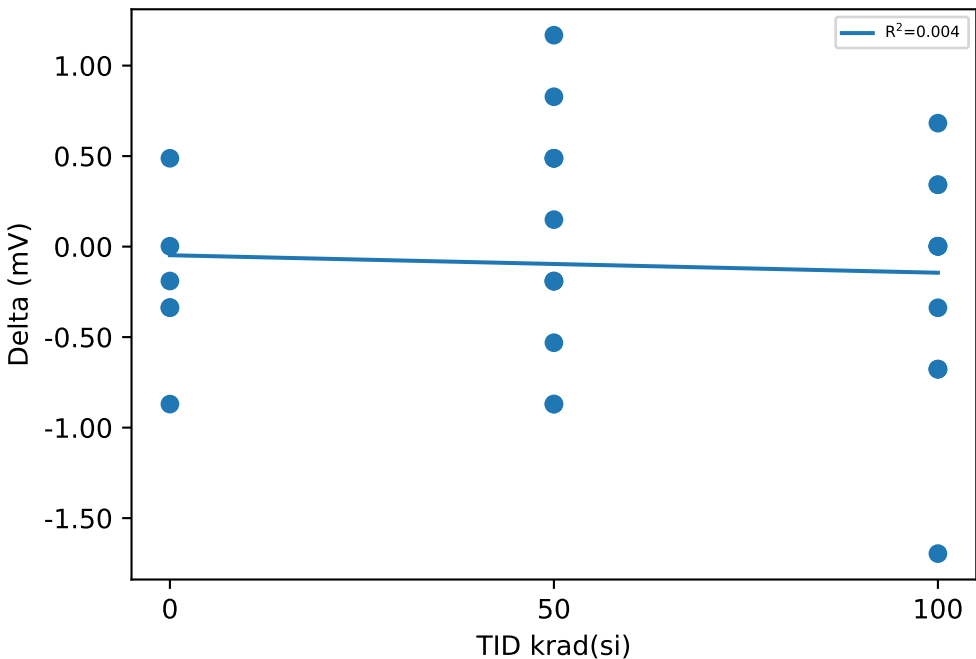
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 600.59     | 599.72      | -0.87  |
| 201      | 0        | Correlation         | 599.91     | 600.4       | 0.488  |
| 202      | 0        | Correlation         | 599.24     | 599.04      | -0.19  |
| 203      | 50       | Biased              | 599.58     | 600.06      | 0.488  |
| 204      | 50       | Biased              | 599.58     | 599.72      | 0.149  |
| 205      | 50       | Biased              | 599.24     | 600.06      | 0.828  |
| 206      | 50       | Biased              | 600.59     | 600.4       | -0.191 |
| 207      | 50       | Biased              | 600.25     | 599.38      | -0.87  |
| 208      | 50       | Biased              | 600.59     | 599.72      | -0.87  |
| 209      | 50       | Unbiased            | 599.58     | 600.06      | 0.488  |
| 210      | 50       | Unbiased            | 599.91     | 599.72      | -0.191 |
| 211      | 50       | Unbiased            | 599.24     | 600.4       | 1.168  |
| 212      | 50       | Unbiased            | 600.59     | 600.06      | -0.531 |
| 213      | 50       | Unbiased            | 599.24     | 599.04      | -0.19  |
| 214      | 50       | Unbiased            | 599.58     | 600.06      | 0.488  |
| 1200     | 0        | Correlation         | 600.59     | 600.26      | -0.337 |
| 1201     | 0        | Correlation         | 599.91     | 599.92      | 0.002  |
| 1202     | 0        | Correlation         | 599.24     | 598.9       | -0.337 |
| 1203     | 100      | Biased              | 599.58     | 599.92      | 0.342  |
| 1204     | 100      | Biased              | 599.58     | 599.24      | -0.338 |
| 1205     | 100      | Biased              | 599.24     | 599.92      | 0.682  |
| 1206     | 100      | Biased              | 600.59     | 600.6       | 0.002  |
| 1207     | 100      | Biased              | 600.25     | 599.58      | -0.677 |
| 1208     | 100      | Biased              | 600.59     | 598.9       | -1.696 |
| 1209     | 100      | Unbiased            | 599.58     | 599.58      | 0.002  |
| 1210     | 100      | Unbiased            | 599.91     | 600.26      | 0.342  |
| 1211     | 100      | Unbiased            | 599.24     | 599.24      | 0.002  |
| 1212     | 100      | Unbiased            | 600.59     | 599.92      | -0.677 |
| 1213     | 100      | Unbiased            | 599.24     | 599.24      | 0.002  |
| 1214     | 100      | Unbiased            | 599.58     | 598.9       | -0.677 |

TID vs Post - Pre Exposure Delta

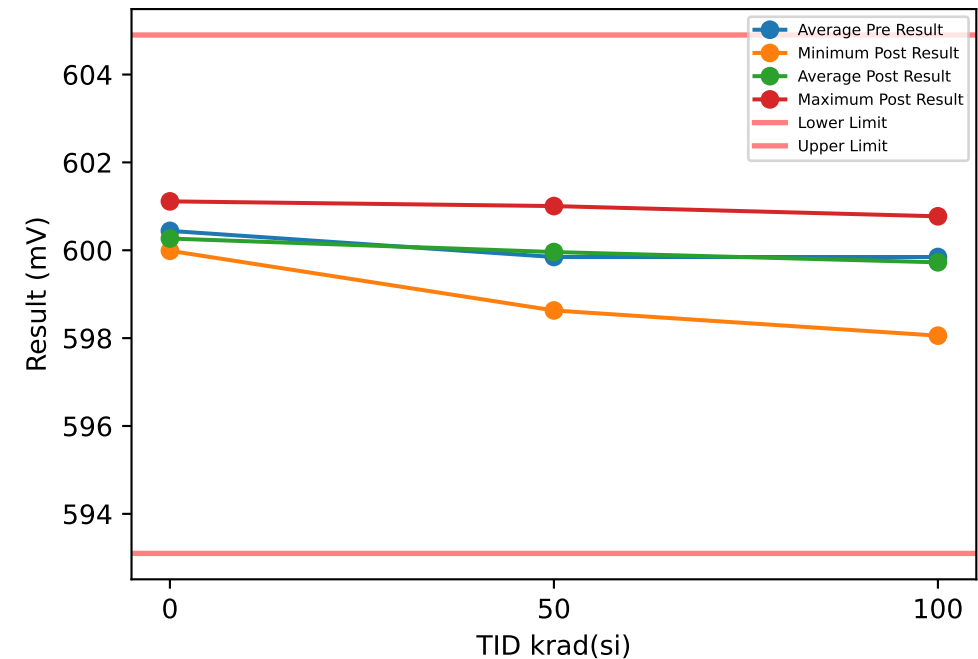


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 599.24           | 599.91           | 600.59           | 0.60776          | 598.9             | 599.71            | 600.4             | 0.62033           | -0.87     | -0.20733  | 0.488     | 0.44729   |
| 50       | 599.24           | 599.83           | 600.59           | 0.54441          | 599.04            | 599.89            | 600.4             | 0.39641           | -0.87     | 0.063833  | 1.168     | 0.64964   |
| 100      | 599.24           | 599.83           | 600.59           | 0.54441          | 598.9             | 599.61            | 600.6             | 0.53144           | -1.696    | -0.22425  | 0.682     | 0.63684   |

Device Test: 13.20 ; VTH\_SENSE

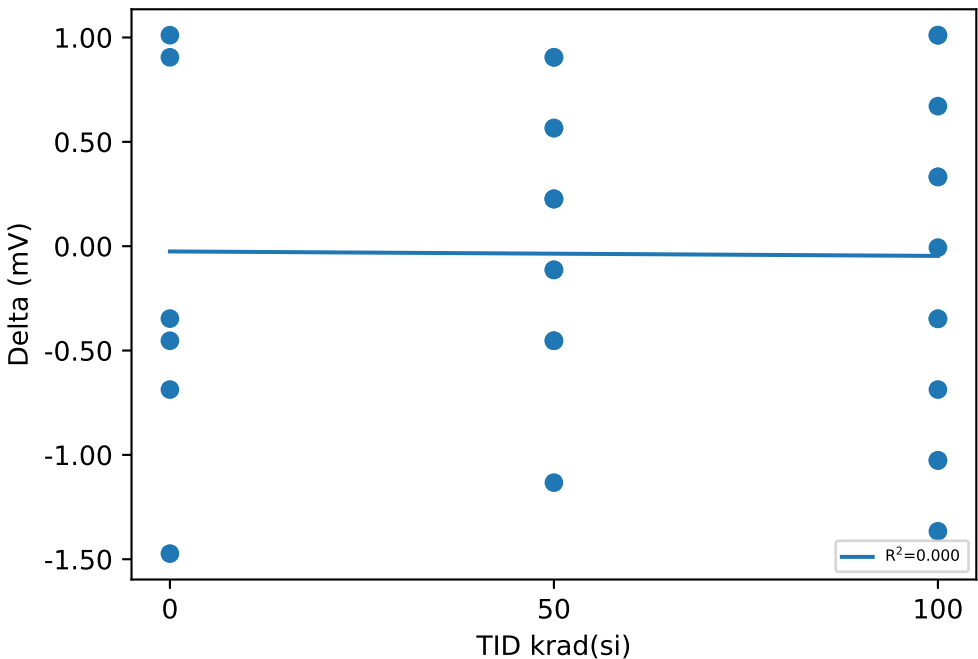
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 600.44     | 599.99      | -0.453 |
| 201      | 0        | Correlation         | 601.8      | 600.33      | -1.473 |
| 202      | 0        | Correlation         | 599.08     | 599.99      | 0.905  |
| 203      | 50       | Biased              | 599.76     | 600.67      | 0.905  |
| 204      | 50       | Biased              | 600.44     | 599.99      | -0.453 |
| 205      | 50       | Biased              | 598.4      | 598.63      | 0.227  |
| 206      | 50       | Biased              | 599.76     | 600.67      | 0.905  |
| 207      | 50       | Biased              | 598.4      | 598.63      | 0.227  |
| 208      | 50       | Biased              | 601.12     | 600.67      | -0.453 |
| 209      | 50       | Unbiased            | 599.42     | 599.31      | -0.113 |
| 210      | 50       | Unbiased            | 600.78     | 599.65      | -1.133 |
| 211      | 50       | Unbiased            | 599.76     | 599.65      | -0.114 |
| 212      | 50       | Unbiased            | 600.78     | 601.01      | 0.225  |
| 213      | 50       | Unbiased            | 600.1      | 600.67      | 0.566  |
| 214      | 50       | Unbiased            | 599.42     | 599.99      | 0.566  |
| 1200     | 0        | Correlation         | 600.44     | 600.09      | -0.347 |
| 1201     | 0        | Correlation         | 601.8      | 601.11      | -0.687 |
| 1202     | 0        | Correlation         | 599.08     | 600.09      | 1.011  |
| 1203     | 100      | Biased              | 599.76     | 600.43      | 0.671  |
| 1204     | 100      | Biased              | 600.44     | 599.41      | -1.027 |
| 1205     | 100      | Biased              | 598.4      | 599.41      | 1.011  |
| 1206     | 100      | Biased              | 599.76     | 599.08      | -0.687 |
| 1207     | 100      | Biased              | 598.4      | 598.74      | 0.332  |
| 1208     | 100      | Biased              | 601.12     | 600.09      | -1.026 |
| 1209     | 100      | Unbiased            | 599.42     | 598.06      | -1.366 |
| 1210     | 100      | Unbiased            | 600.78     | 600.43      | -0.348 |
| 1211     | 100      | Unbiased            | 599.76     | 600.77      | 1.011  |
| 1212     | 100      | Unbiased            | 600.78     | 600.43      | -0.348 |
| 1213     | 100      | Unbiased            | 600.1      | 600.09      | -0.007 |
| 1214     | 100      | Unbiased            | 599.42     | 599.75      | 0.332  |

TID vs Post - Pre Exposure Delta

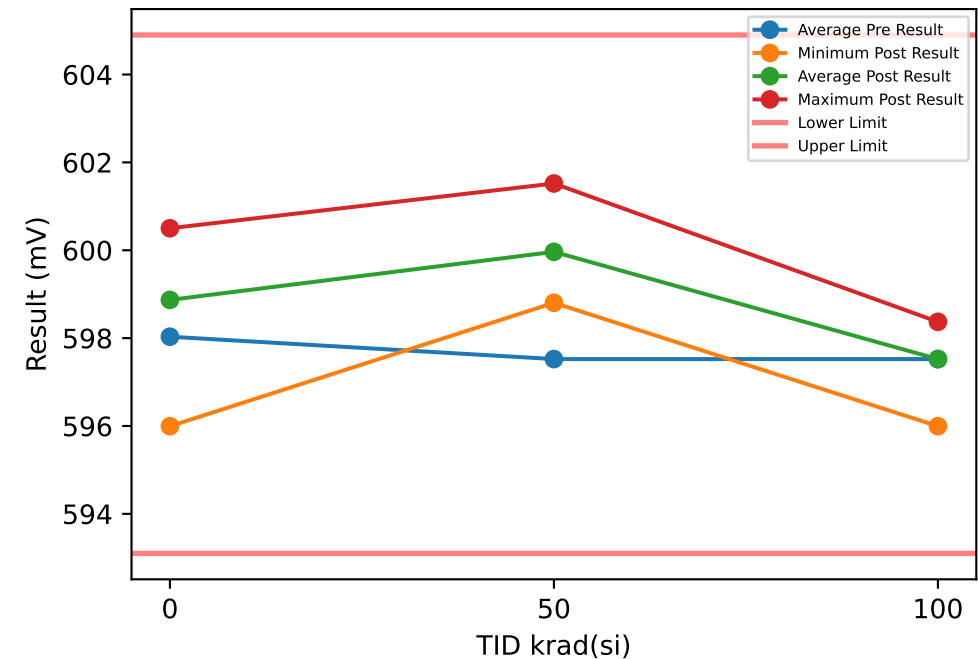


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 599.08           | 600.44           | 601.8            | 1.2151           | 599.99            | 600.27            | 601.11            | 0.4324            | -1.473    | -0.174    | 1.011     | 0.96196   |
| 50       | 598.4            | 599.85           | 601.12           | 0.87052          | 598.63            | 599.96            | 601.01            | 0.81192           | -1.133    | 0.11292   | 0.905     | 0.60297   |
| 100      | 598.4            | 599.85           | 601.12           | 0.87052          | 598.06            | 599.73            | 600.77            | 0.81223           | -1.366    | -0.121    | 1.011     | 0.81055   |

Device Test: 13.21 ; VTH\_SENSE

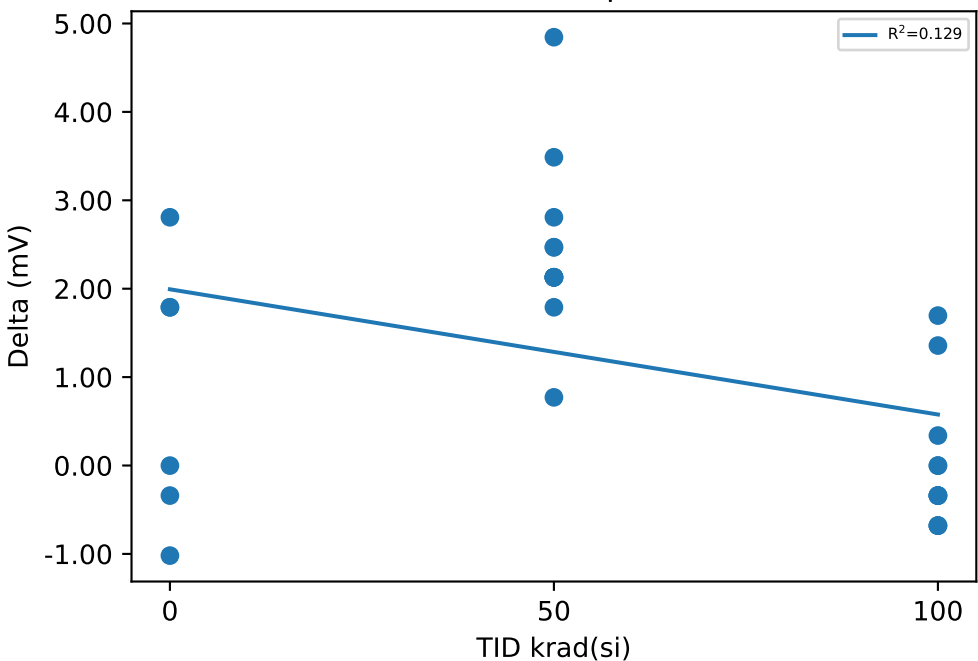
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 598.71     | 600.5       | 1.79   |
| 201      | 0        | Correlation         | 598.37     | 600.16      | 1.79   |
| 202      | 0        | Correlation         | 597.01     | 599.82      | 2.808  |
| 203      | 50       | Biased              | 598.37     | 600.5       | 2.129  |
| 204      | 50       | Biased              | 598.03     | 600.16      | 2.13   |
| 205      | 50       | Biased              | 596.67     | 598.8       | 2.129  |
| 206      | 50       | Biased              | 597.69     | 599.48      | 1.79   |
| 207      | 50       | Biased              | 597.01     | 599.48      | 2.469  |
| 208      | 50       | Biased              | 598.03     | 600.16      | 2.13   |
| 209      | 50       | Unbiased            | 597.69     | 599.82      | 2.129  |
| 210      | 50       | Unbiased            | 598.37     | 599.14      | 0.771  |
| 211      | 50       | Unbiased            | 596.67     | 600.16      | 3.487  |
| 212      | 50       | Unbiased            | 598.37     | 600.84      | 2.469  |
| 213      | 50       | Unbiased            | 596.67     | 601.52      | 4.845  |
| 214      | 50       | Unbiased            | 596.67     | 599.48      | 2.808  |
| 1200     | 0        | Correlation         | 598.71     | 598.37      | -0.34  |
| 1201     | 0        | Correlation         | 598.37     | 598.37      | -0.001 |
| 1202     | 0        | Correlation         | 597.01     | 596         | -1.019 |
| 1203     | 100      | Biased              | 598.37     | 598.37      | -0.001 |
| 1204     | 100      | Biased              | 598.03     | 597.69      | -0.34  |
| 1205     | 100      | Biased              | 596.67     | 596.34      | -0.34  |
| 1206     | 100      | Biased              | 597.69     | 597.35      | -0.34  |
| 1207     | 100      | Biased              | 597.01     | 596.67      | -0.34  |
| 1208     | 100      | Biased              | 598.03     | 598.37      | 0.339  |
| 1209     | 100      | Unbiased            | 597.69     | 597.01      | -0.679 |
| 1210     | 100      | Unbiased            | 598.37     | 597.69      | -0.68  |
| 1211     | 100      | Unbiased            | 596.67     | 598.37      | 1.696  |
| 1212     | 100      | Unbiased            | 598.37     | 598.37      | -0.001 |
| 1213     | 100      | Unbiased            | 596.67     | 596         | -0.68  |
| 1214     | 100      | Unbiased            | 596.67     | 598.03      | 1.357  |

TID vs Post - Pre Exposure Delta

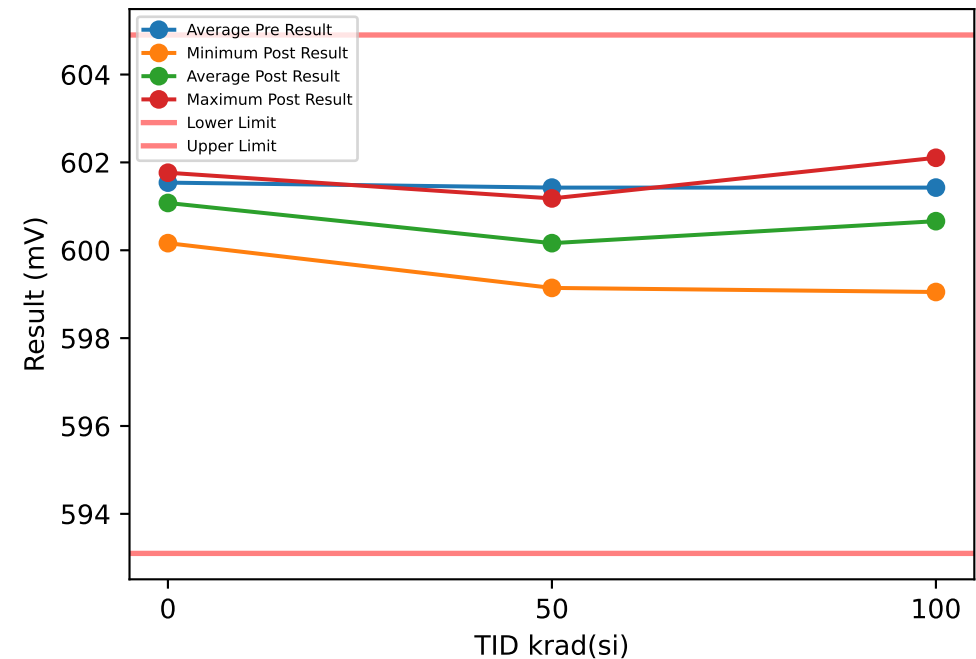


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 597.01           | 598.03           | 598.71           | 0.80323          | 596               | 598.87            | 600.5             | 1.6733            | -1.019    | 0.838     | 2.808     | 1.4989    |
| 50       | 596.67           | 597.52           | 598.37           | 0.73074          | 598.8             | 599.96            | 601.52            | 0.7586            | 0.771     | 2.4405    | 4.845     | 0.98663   |
| 100      | 596.67           | 597.52           | 598.37           | 0.73074          | 596               | 597.52            | 598.37            | 0.85              | -0.68     | -0.00075  | 1.696     | 0.77934   |

Device Test: 13.22 ; VTH\_SENSE

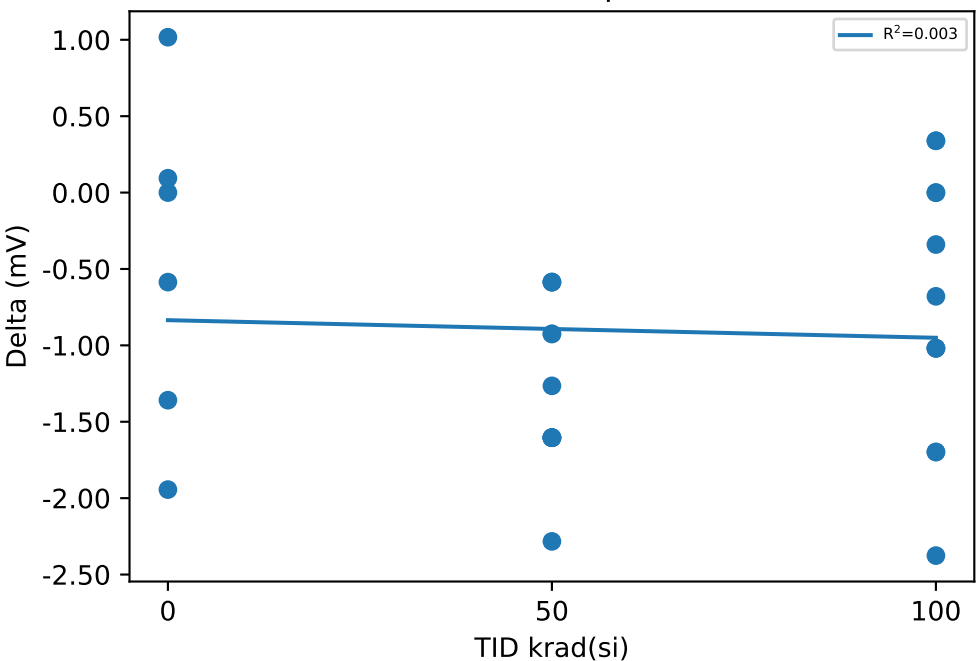
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 601.43     | 601.52      | 0.094  |
| 201      | 0        | Correlation         | 602.45     | 600.5       | -1.944 |
| 202      | 0        | Correlation         | 600.75     | 600.16      | -0.586 |
| 203      | 50       | Biased              | 601.77     | 600.84      | -0.925 |
| 204      | 50       | Biased              | 601.77     | 600.16      | -1.604 |
| 205      | 50       | Biased              | 600.75     | 599.14      | -1.605 |
| 206      | 50       | Biased              | 600.41     | 599.14      | -1.265 |
| 207      | 50       | Biased              | 601.09     | 599.48      | -1.604 |
| 208      | 50       | Biased              | 602.11     | 601.18      | -0.925 |
| 209      | 50       | Unbiased            | 601.09     | 600.5       | -0.586 |
| 210      | 50       | Unbiased            | 601.09     | 600.5       | -0.586 |
| 211      | 50       | Unbiased            | 601.77     | 600.16      | -1.604 |
| 212      | 50       | Unbiased            | 602.78     | 600.5       | -2.283 |
| 213      | 50       | Unbiased            | 601.43     | 599.82      | -1.604 |
| 214      | 50       | Unbiased            | 601.09     | 600.5       | -0.586 |
| 1200     | 0        | Correlation         | 601.43     | 601.43      | 0      |
| 1201     | 0        | Correlation         | 602.45     | 601.09      | -1.359 |
| 1202     | 0        | Correlation         | 600.75     | 601.76      | 1.017  |
| 1203     | 100      | Biased              | 601.77     | 602.11      | 0.339  |
| 1204     | 100      | Biased              | 601.77     | 600.75      | -1.019 |
| 1205     | 100      | Biased              | 600.75     | 599.73      | -1.019 |
| 1206     | 100      | Biased              | 600.41     | 600.41      | 0      |
| 1207     | 100      | Biased              | 601.09     | 600.41      | -0.679 |
| 1208     | 100      | Biased              | 602.11     | 601.09      | -1.019 |
| 1209     | 100      | Unbiased            | 601.09     | 601.43      | 0.339  |
| 1210     | 100      | Unbiased            | 601.09     | 600.75      | -0.34  |
| 1211     | 100      | Unbiased            | 601.77     | 600.07      | -1.698 |
| 1212     | 100      | Unbiased            | 602.78     | 601.09      | -1.698 |
| 1213     | 100      | Unbiased            | 601.43     | 599.05      | -2.376 |
| 1214     | 100      | Unbiased            | 601.09     | 601.09      | -0.001 |

TID vs Post - Pre Exposure Delta



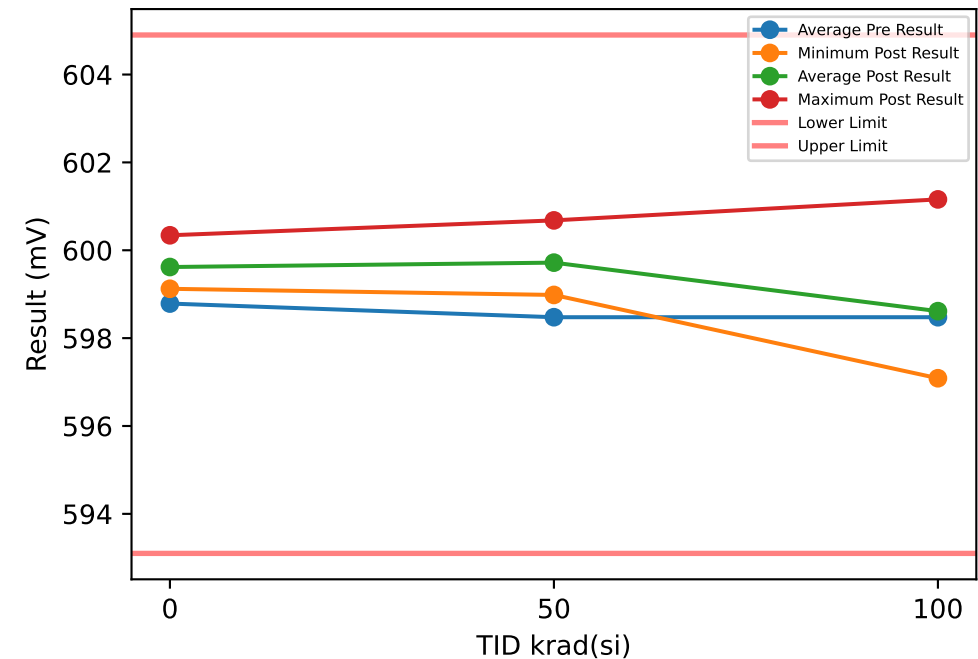
Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 600.75           | 601.54           | 602.45           | 0.76401          | 600.16            | 601.08            | 601.76            | 0.62617           | -1.944    | -0.463    | 1.017     | 1.0702    |
| 50       | 600.41           | 601.43           | 602.78           | 0.64721          | 599.14            | 600.16            | 601.18            | 0.6474            | -2.283    | -1.2648   | -0.586    | 0.54154   |
| 100      | 600.41           | 601.43           | 602.78           | 0.64721          | 599.05            | 600.66            | 602.11            | 0.80739           | -2.376    | -0.76425  | 0.339     | 0.86992   |



Device Test: 13.23 ; VTH\_SENSE

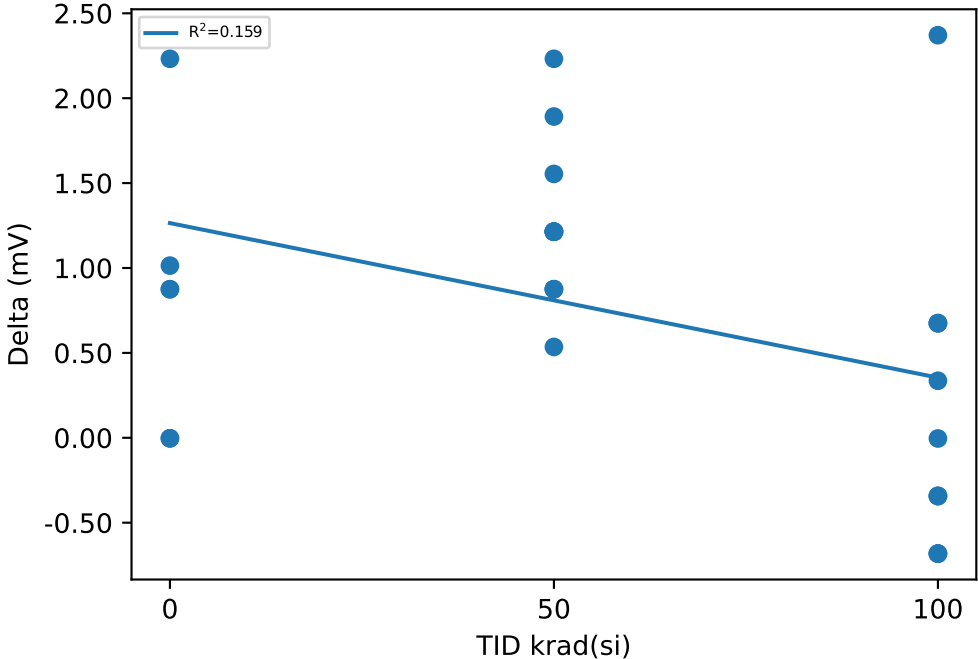
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 599.13     | 600         | 0.875  |
| 201      | 0        | Correlation         | 598.11     | 600.34      | 2.232  |
| 202      | 0        | Correlation         | 599.13     | 600         | 0.875  |
| 203      | 50       | Biased              | 597.43     | 599.66      | 2.232  |
| 204      | 50       | Biased              | 597.43     | 599.32      | 1.892  |
| 205      | 50       | Biased              | 597.77     | 598.98      | 1.214  |
| 206      | 50       | Biased              | 598.79     | 600         | 1.214  |
| 207      | 50       | Biased              | 597.77     | 598.98      | 1.214  |
| 208      | 50       | Biased              | 599.47     | 600.34      | 0.875  |
| 209      | 50       | Unbiased            | 598.11     | 599.32      | 1.213  |
| 210      | 50       | Unbiased            | 599.47     | 600.68      | 1.214  |
| 211      | 50       | Unbiased            | 598.79     | 600.34      | 1.554  |
| 212      | 50       | Unbiased            | 598.79     | 599.66      | 0.875  |
| 213      | 50       | Unbiased            | 599.13     | 600         | 0.875  |
| 214      | 50       | Unbiased            | 598.79     | 599.32      | 0.535  |
| 1200     | 0        | Correlation         | 599.13     | 599.12      | -0.003 |
| 1201     | 0        | Correlation         | 598.11     | 599.12      | 1.014  |
| 1202     | 0        | Correlation         | 599.13     | 599.12      | -0.003 |
| 1203     | 100      | Biased              | 597.43     | 598.11      | 0.675  |
| 1204     | 100      | Biased              | 597.43     | 597.09      | -0.343 |
| 1205     | 100      | Biased              | 597.77     | 597.43      | -0.342 |
| 1206     | 100      | Biased              | 598.79     | 601.16      | 2.371  |
| 1207     | 100      | Biased              | 597.77     | 598.11      | 0.336  |
| 1208     | 100      | Biased              | 599.47     | 599.46      | -0.004 |
| 1209     | 100      | Unbiased            | 598.11     | 598.78      | 0.675  |
| 1210     | 100      | Unbiased            | 599.47     | 598.78      | -0.682 |
| 1211     | 100      | Unbiased            | 598.79     | 599.46      | 0.675  |
| 1212     | 100      | Unbiased            | 598.79     | 598.11      | -0.682 |
| 1213     | 100      | Unbiased            | 599.13     | 598.44      | -0.682 |
| 1214     | 100      | Unbiased            | 598.79     | 598.44      | -0.343 |

TID vs Post - Pre Exposure Delta

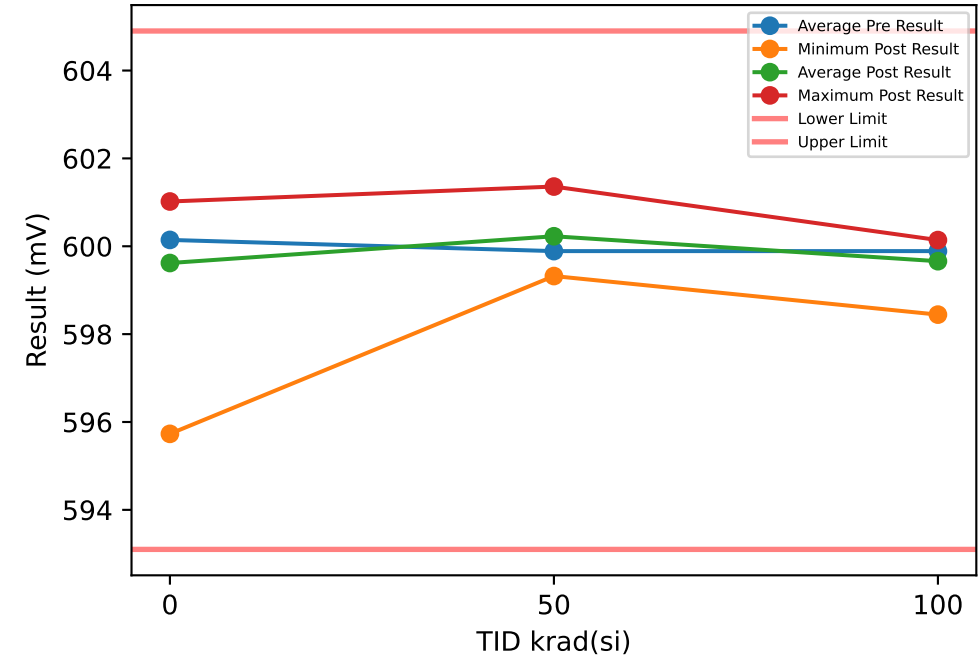


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 598.11           | 598.79           | 599.13           | 0.52518          | 599.12            | 599.62            | 600.34            | 0.55699           | -0.003    | 0.83167   | 2.232     | 0.82356   |
| 50       | 597.43           | 598.48           | 599.47           | 0.7442           | 598.98            | 599.72            | 600.68            | 0.55751           | 0.535     | 1.2422    | 2.232     | 0.46786   |
| 100      | 597.43           | 598.48           | 599.47           | 0.7442           | 597.09            | 598.61            | 601.16            | 1.0679            | -0.682    | 0.13783   | 2.371     | 0.88529   |

Device Test: 13.24 ; VTH\_SENSE

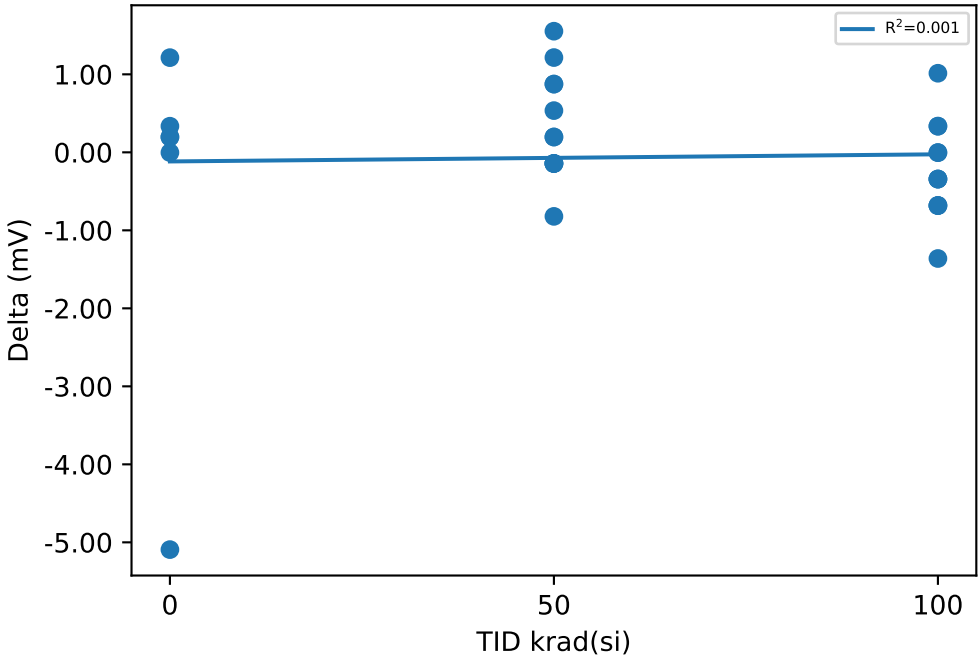
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 600.14     | 600.34      | 0.197  |
| 201      | 0        | Correlation         | 599.47     | 600.68      | 1.214  |
| 202      | 0        | Correlation         | 600.82     | 601.02      | 0.196  |
| 203      | 50       | Biased              | 599.47     | 600.34      | 0.875  |
| 204      | 50       | Biased              | 598.11     | 599.66      | 1.553  |
| 205      | 50       | Biased              | 599.47     | 599.32      | -0.144 |
| 206      | 50       | Biased              | 599.8      | 600         | 0.196  |
| 207      | 50       | Biased              | 598.79     | 599.32      | 0.535  |
| 208      | 50       | Biased              | 600.14     | 601.36      | 1.215  |
| 209      | 50       | Unbiased            | 599.8      | 600.68      | 0.875  |
| 210      | 50       | Unbiased            | 600.82     | 600.68      | -0.143 |
| 211      | 50       | Unbiased            | 601.16     | 600.34      | -0.821 |
| 212      | 50       | Unbiased            | 600.48     | 600.34      | -0.142 |
| 213      | 50       | Unbiased            | 600.48     | 600.34      | -0.142 |
| 214      | 50       | Unbiased            | 600.14     | 600.34      | 0.197  |
| 1200     | 0        | Correlation         | 600.14     | 600.14      | -0.003 |
| 1201     | 0        | Correlation         | 599.47     | 599.8       | 0.335  |
| 1202     | 0        | Correlation         | 600.82     | 595.73      | -5.093 |
| 1203     | 100      | Biased              | 599.47     | 599.12      | -0.343 |
| 1204     | 100      | Biased              | 598.11     | 599.12      | 1.014  |
| 1205     | 100      | Biased              | 599.47     | 599.8       | 0.335  |
| 1206     | 100      | Biased              | 599.8      | 600.14      | 0.336  |
| 1207     | 100      | Biased              | 598.79     | 598.44      | -0.343 |
| 1208     | 100      | Biased              | 600.14     | 600.14      | -0.003 |
| 1209     | 100      | Unbiased            | 599.8      | 599.8       | -0.004 |
| 1210     | 100      | Unbiased            | 600.82     | 600.14      | -0.682 |
| 1211     | 100      | Unbiased            | 601.16     | 599.8       | -1.361 |
| 1212     | 100      | Unbiased            | 600.48     | 600.14      | -0.342 |
| 1213     | 100      | Unbiased            | 600.48     | 599.8       | -0.682 |
| 1214     | 100      | Unbiased            | 600.14     | 599.46      | -0.682 |

TID vs Post - Pre Exposure Delta

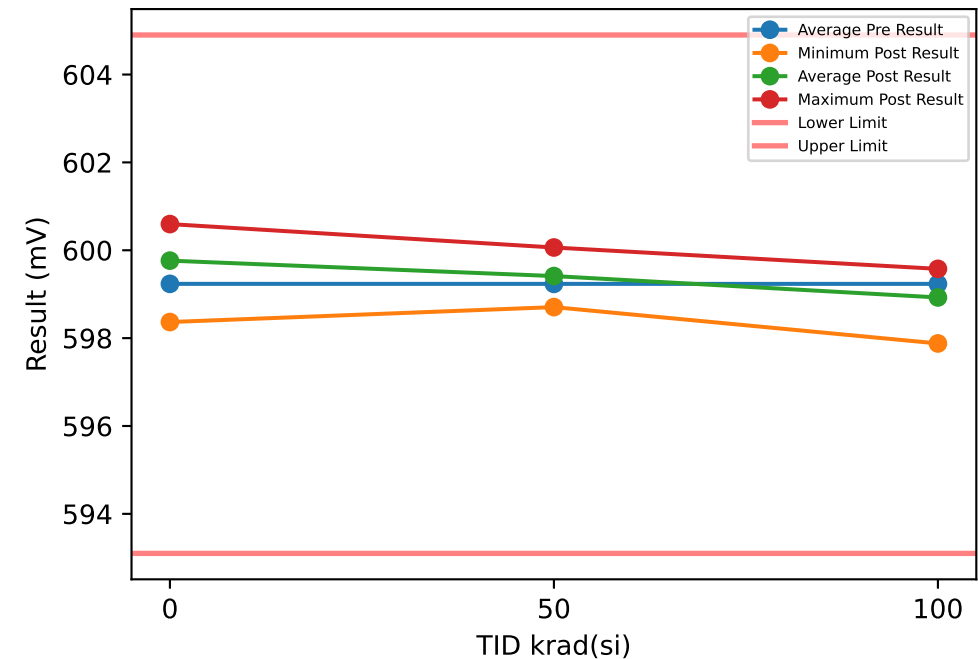


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 599.47           | 600.14           | 600.82           | 0.60687          | 595.73            | 599.62            | 601.02            | 1.9513            | -5.093    | -0.52567  | 1.214     | 2.2779    |
| 50       | 598.11           | 599.89           | 601.16           | 0.85724          | 599.32            | 600.23            | 601.36            | 0.58505           | -0.821    | 0.33783   | 1.553     | 0.68548   |
| 100      | 598.11           | 599.89           | 601.16           | 0.85724          | 598.44            | 599.66            | 600.14            | 0.53083           | -1.361    | -0.22975  | 1.014     | 0.61937   |

Device Test: 13.25 ; VTH\_SENSE

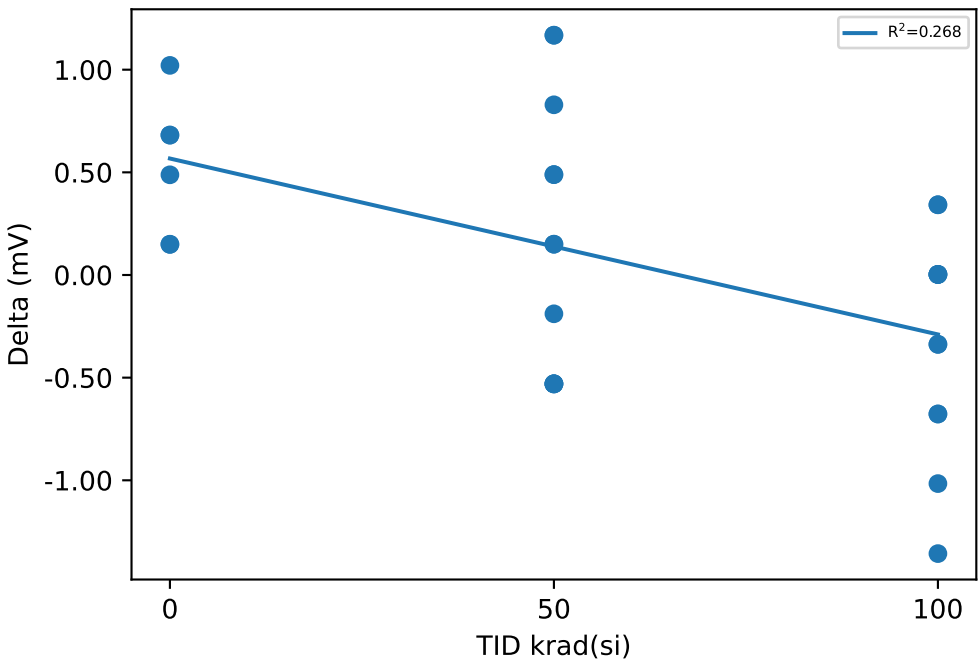
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 599.91     | 600.4       | 0.488  |
| 201      | 0        | Correlation         | 599.58     | 599.72      | 0.149  |
| 202      | 0        | Correlation         | 598.22     | 598.37      | 0.15   |
| 203      | 50       | Biased              | 598.89     | 599.72      | 0.829  |
| 204      | 50       | Biased              | 598.89     | 599.04      | 0.15   |
| 205      | 50       | Biased              | 598.56     | 599.04      | 0.489  |
| 206      | 50       | Biased              | 599.58     | 599.04      | -0.53  |
| 207      | 50       | Biased              | 598.89     | 598.71      | -0.189 |
| 208      | 50       | Biased              | 599.91     | 599.38      | -0.531 |
| 209      | 50       | Unbiased            | 600.25     | 599.72      | -0.53  |
| 210      | 50       | Unbiased            | 599.24     | 599.72      | 0.489  |
| 211      | 50       | Unbiased            | 598.89     | 599.04      | 0.15   |
| 212      | 50       | Unbiased            | 600.25     | 599.72      | -0.53  |
| 213      | 50       | Unbiased            | 598.89     | 600.06      | 1.168  |
| 214      | 50       | Unbiased            | 598.56     | 599.72      | 1.168  |
| 1200     | 0        | Correlation         | 599.91     | 600.6       | 0.681  |
| 1201     | 0        | Correlation         | 599.58     | 600.6       | 1.021  |
| 1202     | 0        | Correlation         | 598.22     | 598.9       | 0.682  |
| 1203     | 100      | Biased              | 598.89     | 598.9       | 0.003  |
| 1204     | 100      | Biased              | 598.89     | 597.88      | -1.016 |
| 1205     | 100      | Biased              | 598.56     | 598.56      | 0.002  |
| 1206     | 100      | Biased              | 599.58     | 599.24      | -0.338 |
| 1207     | 100      | Biased              | 598.89     | 598.56      | -0.337 |
| 1208     | 100      | Biased              | 599.91     | 598.56      | -1.357 |
| 1209     | 100      | Unbiased            | 600.25     | 599.58      | -0.677 |
| 1210     | 100      | Unbiased            | 599.24     | 599.58      | 0.342  |
| 1211     | 100      | Unbiased            | 598.89     | 598.9       | 0.003  |
| 1212     | 100      | Unbiased            | 600.25     | 599.58      | -0.677 |
| 1213     | 100      | Unbiased            | 598.89     | 598.9       | 0.003  |
| 1214     | 100      | Unbiased            | 598.56     | 598.9       | 0.342  |

TID vs Post - Pre Exposure Delta

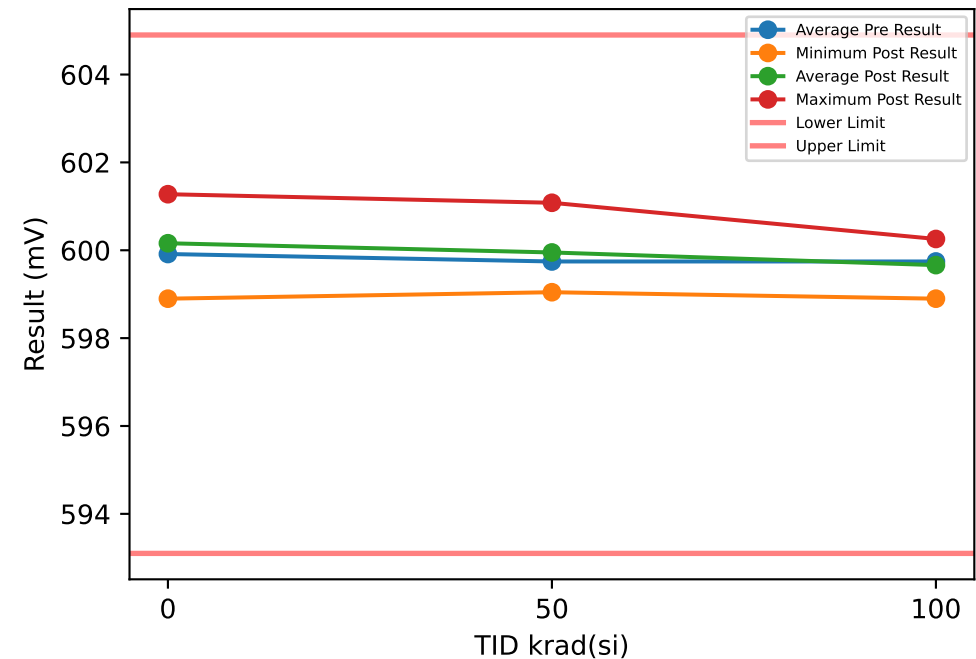


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 598.22           | 599.24           | 599.91           | 0.80408          | 598.37            | 599.76            | 600.6             | 0.94855           | 0.149     | 0.5285    | 1.021     | 0.34009   |
| 50       | 598.56           | 599.24           | 600.25           | 0.61458          | 598.71            | 599.41            | 600.06            | 0.42087           | -0.531    | 0.17775   | 1.168     | 0.65506   |
| 100      | 598.56           | 599.24           | 600.25           | 0.61458          | 597.88            | 598.93            | 599.58            | 0.51113           | -1.357    | -0.30892  | 0.342     | 0.53146   |

Device Test: 13.26 ; VTH\_SENSE

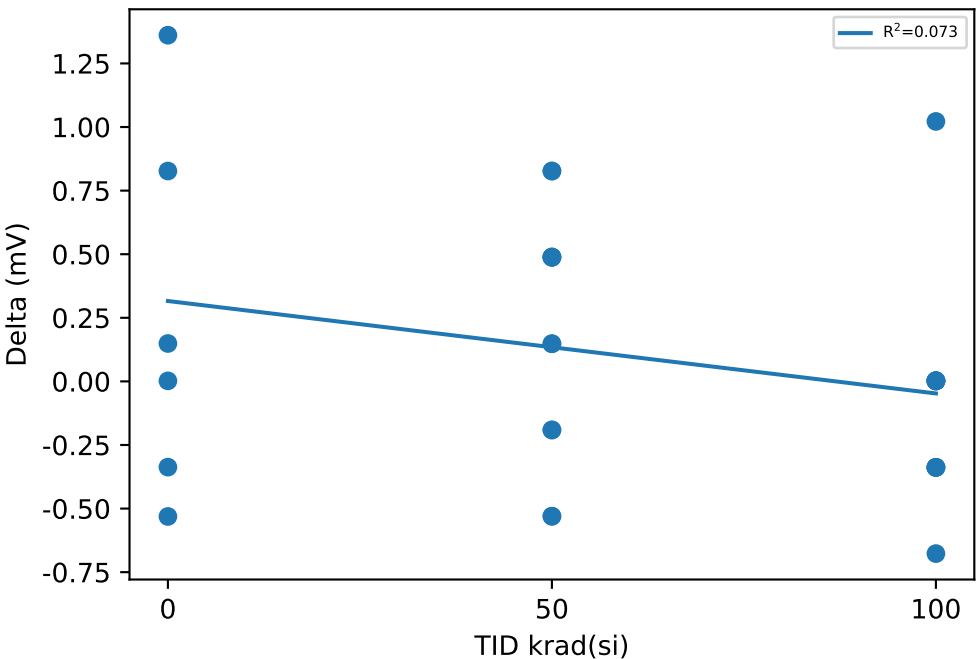
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 599.91     | 600.74      | 0.827  |
| 201      | 0        | Correlation         | 600.59     | 600.06      | -0.531 |
| 202      | 0        | Correlation         | 599.24     | 599.38      | 0.149  |
| 203      | 50       | Biased              | 599.91     | 600.06      | 0.148  |
| 204      | 50       | Biased              | 599.91     | 600.06      | 0.148  |
| 205      | 50       | Biased              | 599.58     | 600.06      | 0.488  |
| 206      | 50       | Biased              | 599.91     | 600.74      | 0.827  |
| 207      | 50       | Biased              | 599.58     | 599.04      | -0.53  |
| 208      | 50       | Biased              | 599.91     | 600.4       | 0.488  |
| 209      | 50       | Unbiased            | 599.91     | 599.72      | -0.191 |
| 210      | 50       | Unbiased            | 599.91     | 599.72      | -0.191 |
| 211      | 50       | Unbiased            | 599.24     | 599.72      | 0.489  |
| 212      | 50       | Unbiased            | 600.25     | 601.08      | 0.827  |
| 213      | 50       | Unbiased            | 599.58     | 599.04      | -0.53  |
| 214      | 50       | Unbiased            | 599.24     | 599.72      | 0.489  |
| 1200     | 0        | Correlation         | 599.91     | 601.28      | 1.361  |
| 1201     | 0        | Correlation         | 600.59     | 600.6       | 0.002  |
| 1202     | 0        | Correlation         | 599.24     | 598.9       | -0.337 |
| 1203     | 100      | Biased              | 599.91     | 599.58      | -0.338 |
| 1204     | 100      | Biased              | 599.91     | 599.92      | 0.002  |
| 1205     | 100      | Biased              | 599.58     | 599.58      | 0.002  |
| 1206     | 100      | Biased              | 599.91     | 599.92      | 0.002  |
| 1207     | 100      | Biased              | 599.58     | 598.9       | -0.677 |
| 1208     | 100      | Biased              | 599.91     | 599.58      | -0.338 |
| 1209     | 100      | Unbiased            | 599.91     | 599.58      | -0.338 |
| 1210     | 100      | Unbiased            | 599.91     | 599.58      | -0.338 |
| 1211     | 100      | Unbiased            | 599.24     | 600.26      | 1.022  |
| 1212     | 100      | Unbiased            | 600.25     | 600.26      | 0.003  |
| 1213     | 100      | Unbiased            | 599.58     | 599.58      | 0.002  |
| 1214     | 100      | Unbiased            | 599.24     | 599.24      | 0.002  |

TID vs Post - Pre Exposure Delta

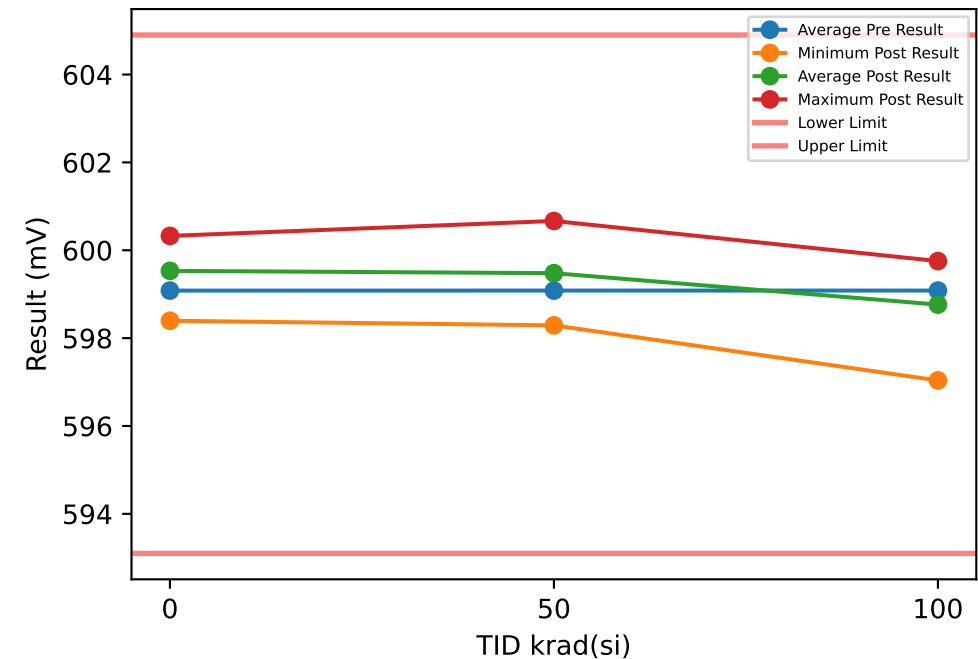


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 599.24           | 599.91           | 600.59           | 0.60776          | 598.9             | 600.16            | 601.28            | 0.89202           | -0.531    | 0.24517   | 1.361     | 0.72019   |
| 50       | 599.24           | 599.74           | 600.25           | 0.30739          | 599.04            | 599.95            | 601.08            | 0.60244           | -0.53     | 0.20517   | 0.827     | 0.47633   |
| 100      | 599.24           | 599.74           | 600.25           | 0.30739          | 598.9             | 599.66            | 600.26            | 0.3868            | -0.677    | -0.082833 | 1.022     | 0.41313   |

Device Test: 13.27 ; VTH\_SENSE

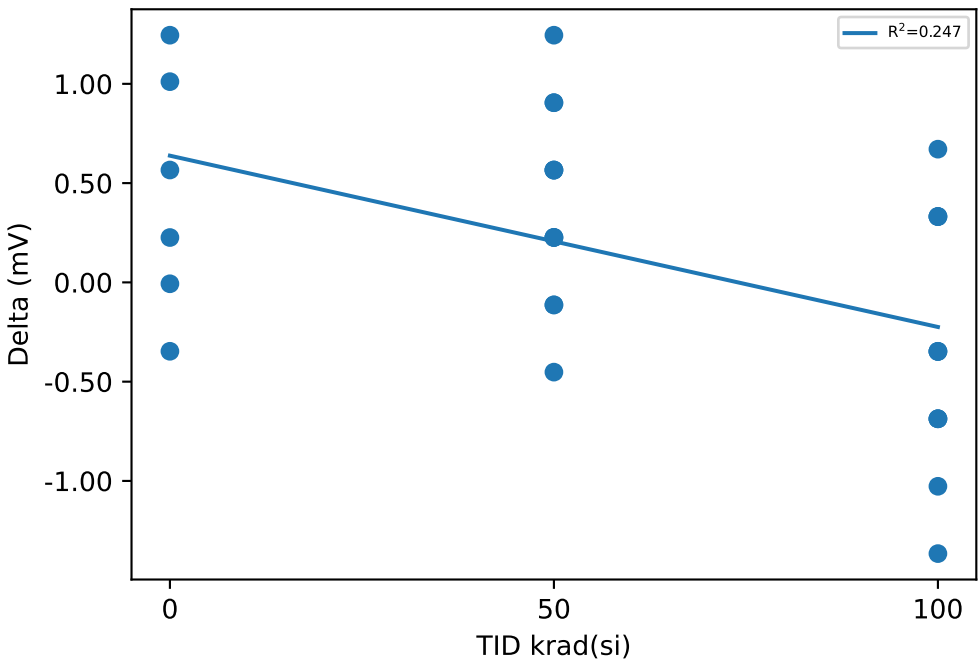
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 598.4      | 599.65      | 1.245  |
| 201      | 0        | Correlation         | 600.1      | 600.33      | 0.226  |
| 202      | 0        | Correlation         | 598.74     | 599.31      | 0.566  |
| 203      | 50       | Biased              | 599.08     | 599.65      | 0.565  |
| 204      | 50       | Biased              | 599.08     | 599.99      | 0.905  |
| 205      | 50       | Biased              | 598.06     | 598.29      | 0.227  |
| 206      | 50       | Biased              | 599.08     | 599.31      | 0.226  |
| 207      | 50       | Biased              | 598.74     | 598.29      | -0.452 |
| 208      | 50       | Biased              | 599.42     | 600.33      | 0.905  |
| 209      | 50       | Unbiased            | 598.06     | 599.31      | 1.245  |
| 210      | 50       | Unbiased            | 599.08     | 599.31      | 0.226  |
| 211      | 50       | Unbiased            | 599.42     | 599.99      | 0.566  |
| 212      | 50       | Unbiased            | 600.1      | 600.67      | 0.566  |
| 213      | 50       | Unbiased            | 599.76     | 599.65      | -0.114 |
| 214      | 50       | Unbiased            | 599.08     | 598.97      | -0.113 |
| 1200     | 0        | Correlation         | 598.4      | 599.41      | 1.011  |
| 1201     | 0        | Correlation         | 600.1      | 600.09      | -0.007 |
| 1202     | 0        | Correlation         | 598.74     | 598.4       | -0.347 |
| 1203     | 100      | Biased              | 599.08     | 599.75      | 0.671  |
| 1204     | 100      | Biased              | 599.08     | 598.74      | -0.348 |
| 1205     | 100      | Biased              | 598.06     | 597.04      | -1.027 |
| 1206     | 100      | Biased              | 599.08     | 598.4       | -0.687 |
| 1207     | 100      | Biased              | 598.74     | 597.38      | -1.366 |
| 1208     | 100      | Biased              | 599.42     | 599.75      | 0.332  |
| 1209     | 100      | Unbiased            | 598.06     | 598.4       | 0.332  |
| 1210     | 100      | Unbiased            | 599.08     | 599.41      | 0.331  |
| 1211     | 100      | Unbiased            | 599.42     | 598.74      | -0.687 |
| 1212     | 100      | Unbiased            | 600.1      | 599.75      | -0.347 |
| 1213     | 100      | Unbiased            | 599.76     | 599.08      | -0.687 |
| 1214     | 100      | Unbiased            | 599.08     | 598.74      | -0.348 |

TID vs Post - Pre Exposure Delta



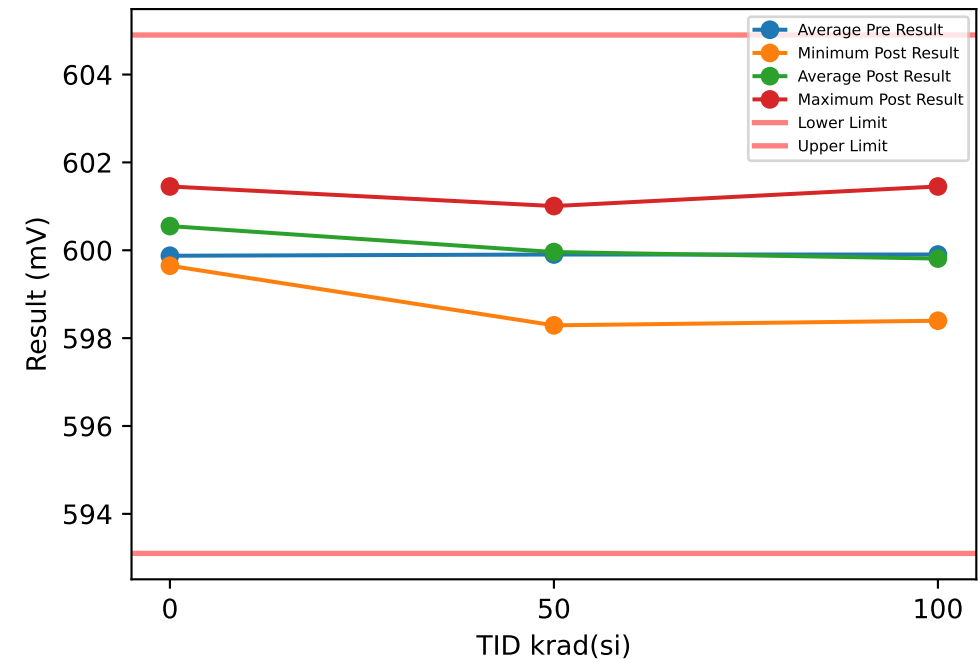
Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 598.4            | 599.08           | 600.1            | 0.80357          | 598.4             | 599.53            | 600.33            | 0.68051           | -0.347    | 0.449     | 1.245     | 0.609     |
| 50       | 598.06           | 599.08           | 600.1            | 0.59693          | 598.29            | 599.48            | 600.67            | 0.73077           | -0.452    | 0.396     | 1.245     | 0.49082   |
| 100      | 598.06           | 599.08           | 600.1            | 0.59693          | 597.04            | 598.76            | 599.75            | 0.88622           | -1.366    | -0.31925  | 0.671     | 0.62205   |



Device Test: 13.28 ; VTH\_SENSE

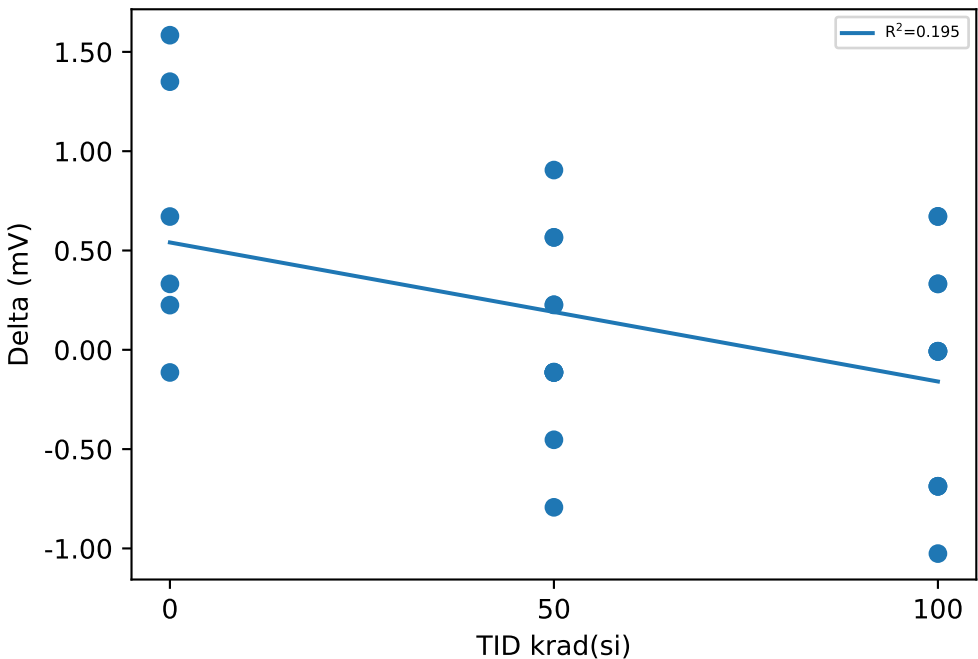
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 599.76     | 599.65      | -0.114 |
| 201      | 0        | Correlation         | 600.78     | 601.01      | 0.225  |
| 202      | 0        | Correlation         | 599.08     | 600.67      | 1.584  |
| 203      | 50       | Biased              | 600.78     | 599.99      | -0.793 |
| 204      | 50       | Biased              | 600.1      | 599.99      | -0.113 |
| 205      | 50       | Biased              | 598.4      | 598.63      | 0.227  |
| 206      | 50       | Biased              | 599.76     | 599.99      | 0.226  |
| 207      | 50       | Biased              | 598.4      | 598.29      | -0.112 |
| 208      | 50       | Biased              | 601.12     | 601.01      | -0.114 |
| 209      | 50       | Unbiased            | 598.74     | 599.65      | 0.905  |
| 210      | 50       | Unbiased            | 600.44     | 599.99      | -0.453 |
| 211      | 50       | Unbiased            | 600.1      | 600.67      | 0.566  |
| 212      | 50       | Unbiased            | 601.12     | 601.01      | -0.114 |
| 213      | 50       | Unbiased            | 600.44     | 600.33      | -0.114 |
| 214      | 50       | Unbiased            | 599.42     | 599.99      | 0.566  |
| 1200     | 0        | Correlation         | 599.76     | 600.09      | 0.332  |
| 1201     | 0        | Correlation         | 600.78     | 601.45      | 0.671  |
| 1202     | 0        | Correlation         | 599.08     | 600.43      | 1.35   |
| 1203     | 100      | Biased              | 600.78     | 600.09      | -0.687 |
| 1204     | 100      | Biased              | 600.1      | 599.08      | -1.026 |
| 1205     | 100      | Biased              | 598.4      | 598.74      | 0.332  |
| 1206     | 100      | Biased              | 599.76     | 600.43      | 0.671  |
| 1207     | 100      | Biased              | 598.4      | 598.4       | -0.007 |
| 1208     | 100      | Biased              | 601.12     | 600.43      | -0.687 |
| 1209     | 100      | Unbiased            | 598.74     | 598.74      | -0.008 |
| 1210     | 100      | Unbiased            | 600.44     | 600.43      | -0.008 |
| 1211     | 100      | Unbiased            | 600.1      | 600.09      | -0.007 |
| 1212     | 100      | Unbiased            | 601.12     | 601.45      | 0.332  |
| 1213     | 100      | Unbiased            | 600.44     | 599.75      | -0.687 |
| 1214     | 100      | Unbiased            | 599.42     | 600.09      | 0.672  |

TID vs Post - Pre Exposure Delta

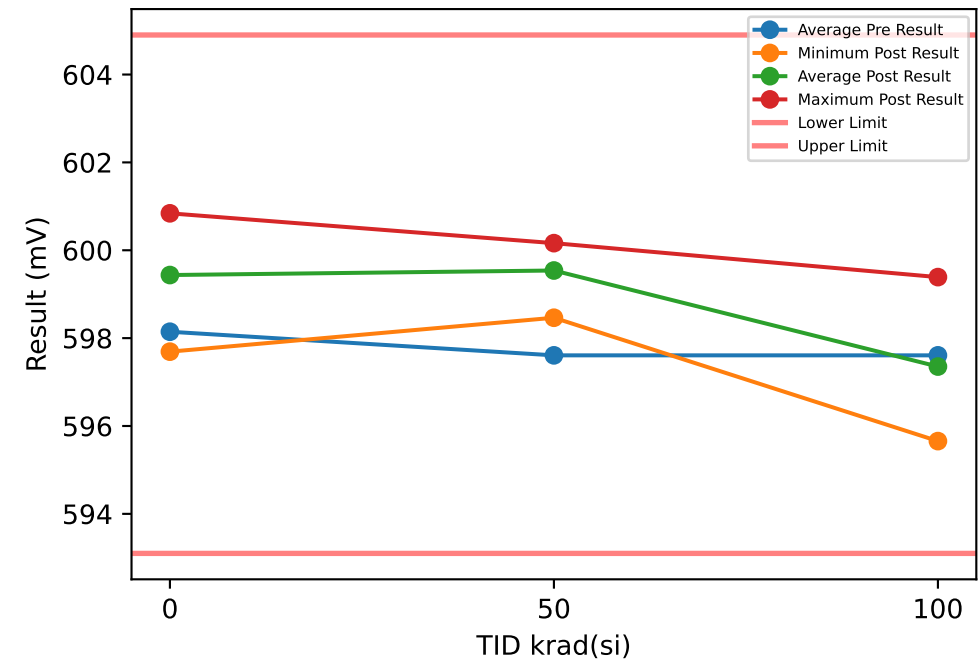


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 599.08           | 599.88           | 600.78           | 0.76443          | 599.65            | 600.55            | 601.45            | 0.6435            | -0.114    | 0.67467   | 1.584     | 0.66702   |
| 50       | 598.4            | 599.9            | 601.12           | 0.97641          | 598.29            | 599.96            | 601.01            | 0.82454           | -0.793    | 0.056417  | 0.905     | 0.46928   |
| 100      | 598.4            | 599.9            | 601.12           | 0.97641          | 598.4             | 599.81            | 601.45            | 0.90235           | -1.026    | -0.0925   | 0.672     | 0.56314   |

Device Test: 13.29 ; VTH\_SENSE

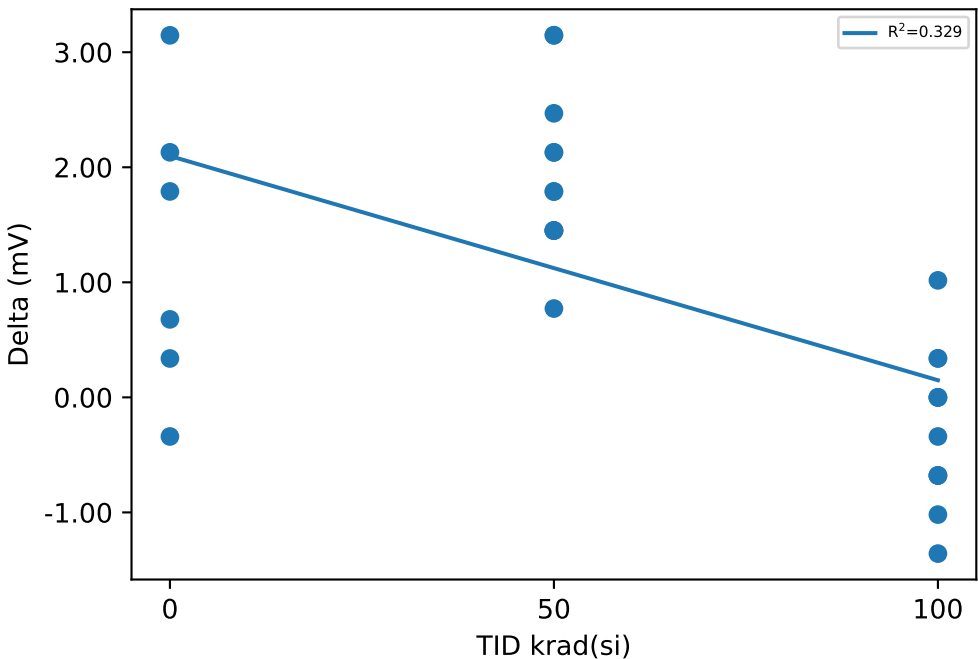
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 598.71     | 600.84      | 2.13   |
| 201      | 0        | Correlation         | 598.37     | 600.16      | 1.79   |
| 202      | 0        | Correlation         | 597.35     | 600.5       | 3.147  |
| 203      | 50       | Biased              | 597.69     | 600.16      | 2.469  |
| 204      | 50       | Biased              | 597.69     | 599.14      | 1.45   |
| 205      | 50       | Biased              | 597.35     | 599.14      | 1.789  |
| 206      | 50       | Biased              | 598.03     | 598.8       | 0.772  |
| 207      | 50       | Biased              | 597.01     | 600.16      | 3.148  |
| 208      | 50       | Biased              | 597.69     | 599.82      | 2.129  |
| 209      | 50       | Unbiased            | 598.03     | 600.16      | 2.13   |
| 210      | 50       | Unbiased            | 598.03     | 599.48      | 1.451  |
| 211      | 50       | Unbiased            | 596.67     | 599.82      | 3.147  |
| 212      | 50       | Unbiased            | 598.37     | 599.82      | 1.45   |
| 213      | 50       | Unbiased            | 597.01     | 598.46      | 1.45   |
| 214      | 50       | Unbiased            | 597.69     | 599.48      | 1.79   |
| 1200     | 0        | Correlation         | 598.71     | 598.37      | -0.34  |
| 1201     | 0        | Correlation         | 598.37     | 599.05      | 0.678  |
| 1202     | 0        | Correlation         | 597.35     | 597.69      | 0.338  |
| 1203     | 100      | Biased              | 597.69     | 598.03      | 0.339  |
| 1204     | 100      | Biased              | 597.69     | 597.01      | -0.679 |
| 1205     | 100      | Biased              | 597.35     | 597.35      | -0.001 |
| 1206     | 100      | Biased              | 598.03     | 598.37      | 0.339  |
| 1207     | 100      | Biased              | 597.01     | 596         | -1.019 |
| 1208     | 100      | Biased              | 597.69     | 597.01      | -0.679 |
| 1209     | 100      | Unbiased            | 598.03     | 598.03      | 0      |
| 1210     | 100      | Unbiased            | 598.03     | 598.03      | 0      |
| 1211     | 100      | Unbiased            | 596.67     | 596.34      | -0.34  |
| 1212     | 100      | Unbiased            | 598.37     | 599.39      | 1.017  |
| 1213     | 100      | Unbiased            | 597.01     | 595.66      | -1.358 |
| 1214     | 100      | Unbiased            | 597.69     | 597.01      | -0.679 |

TID vs Post - Pre Exposure Delta

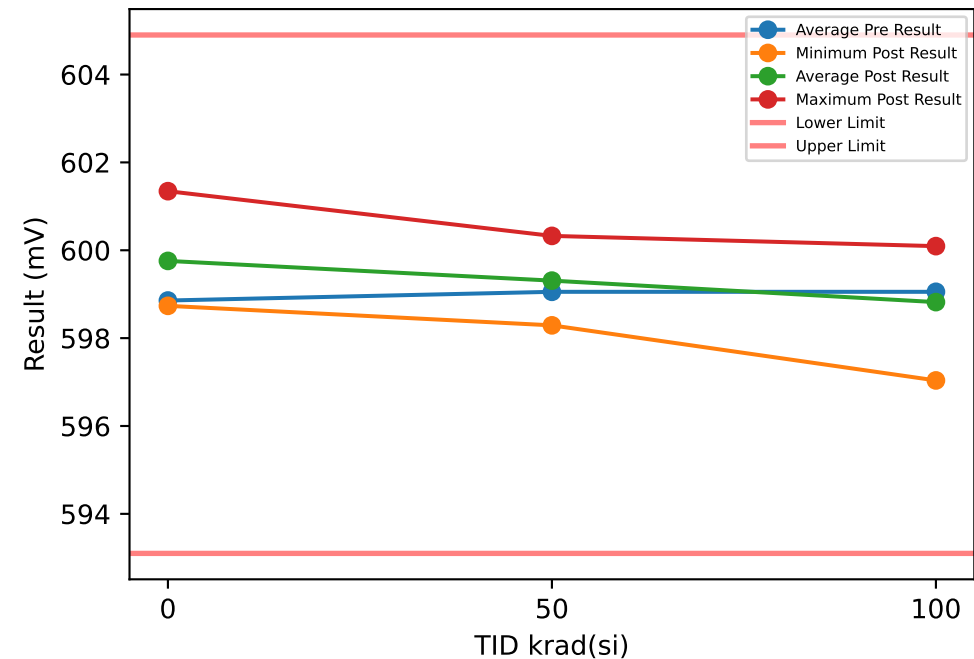


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 597.35           | 598.15           | 598.71           | 0.63168          | 597.69            | 599.44            | 600.84            | 1.2618            | -0.34     | 1.2905    | 3.147     | 1.2916    |
| 50       | 596.67           | 597.61           | 598.37           | 0.50386          | 598.46            | 599.54            | 600.16            | 0.55763           | 0.772     | 1.9313    | 3.148     | 0.71578   |
| 100      | 596.67           | 597.61           | 598.37           | 0.50386          | 595.66            | 597.35            | 599.39            | 1.0732            | -1.358    | -0.255    | 1.017     | 0.66504   |

Device Test: 13.3 ; VTH\_SENSE

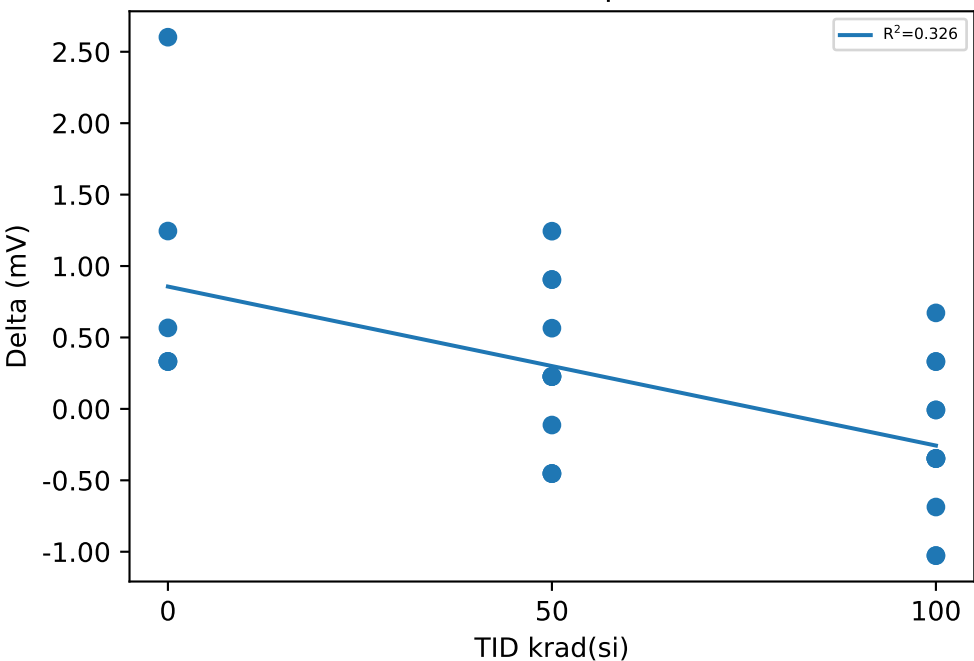
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 598.74     | 601.35      | 2.602  |
| 201      | 0        | Correlation         | 599.42     | 600.67      | 1.245  |
| 202      | 0        | Correlation         | 598.4      | 598.97      | 0.567  |
| 203      | 50       | Biased              | 599.08     | 600.33      | 1.244  |
| 204      | 50       | Biased              | 599.08     | 599.65      | 0.565  |
| 205      | 50       | Biased              | 598.4      | 598.63      | 0.227  |
| 206      | 50       | Biased              | 598.4      | 599.31      | 0.906  |
| 207      | 50       | Biased              | 598.06     | 598.29      | 0.227  |
| 208      | 50       | Biased              | 599.42     | 599.65      | 0.226  |
| 209      | 50       | Unbiased            | 598.4      | 598.63      | 0.227  |
| 210      | 50       | Unbiased            | 599.42     | 599.31      | -0.113 |
| 211      | 50       | Unbiased            | 599.42     | 600.33      | 0.905  |
| 212      | 50       | Unbiased            | 600.44     | 599.99      | -0.453 |
| 213      | 50       | Unbiased            | 599.76     | 599.31      | -0.453 |
| 214      | 50       | Unbiased            | 598.74     | 598.29      | -0.452 |
| 1200     | 0        | Correlation         | 598.74     | 599.08      | 0.332  |
| 1201     | 0        | Correlation         | 599.42     | 599.75      | 0.332  |
| 1202     | 0        | Correlation         | 598.4      | 598.74      | 0.332  |
| 1203     | 100      | Biased              | 599.08     | 598.74      | -0.348 |
| 1204     | 100      | Biased              | 599.08     | 599.41      | 0.331  |
| 1205     | 100      | Biased              | 598.4      | 598.06      | -0.347 |
| 1206     | 100      | Biased              | 598.4      | 599.08      | 0.672  |
| 1207     | 100      | Biased              | 598.06     | 597.04      | -1.027 |
| 1208     | 100      | Biased              | 599.42     | 599.41      | -0.008 |
| 1209     | 100      | Unbiased            | 598.4      | 598.4       | -0.007 |
| 1210     | 100      | Unbiased            | 599.42     | 598.74      | -0.687 |
| 1211     | 100      | Unbiased            | 599.42     | 599.75      | 0.332  |
| 1212     | 100      | Unbiased            | 600.44     | 600.09      | -0.347 |
| 1213     | 100      | Unbiased            | 599.76     | 598.74      | -1.027 |
| 1214     | 100      | Unbiased            | 598.74     | 598.4       | -0.347 |

TID vs Post - Pre Exposure Delta

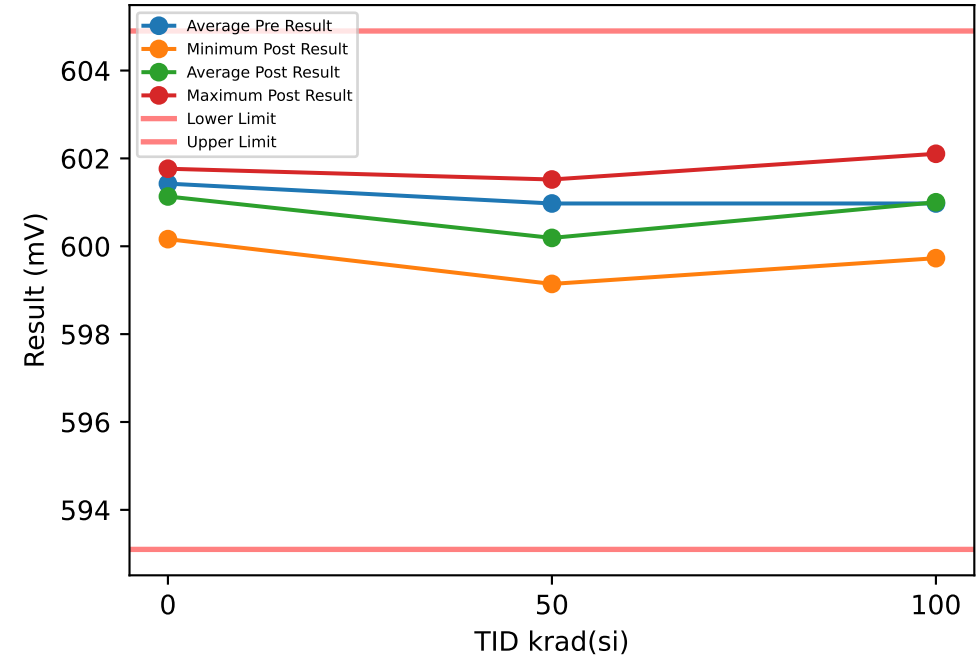


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 598.4            | 598.86           | 599.42           | 0.46404          | 598.74            | 599.76            | 601.35            | 1.0468            | 0.332     | 0.90167   | 2.602     | 0.90494   |
| 50       | 598.06           | 599.05           | 600.44           | 0.68631          | 598.29            | 599.31            | 600.33            | 0.72352           | -0.453    | 0.25467   | 1.244     | 0.56901   |
| 100      | 598.06           | 599.05           | 600.44           | 0.68631          | 597.04            | 598.82            | 600.09            | 0.82076           | -1.027    | -0.23417  | 0.672     | 0.52891   |

Device Test: 13.30 ; VTH\_SENSE

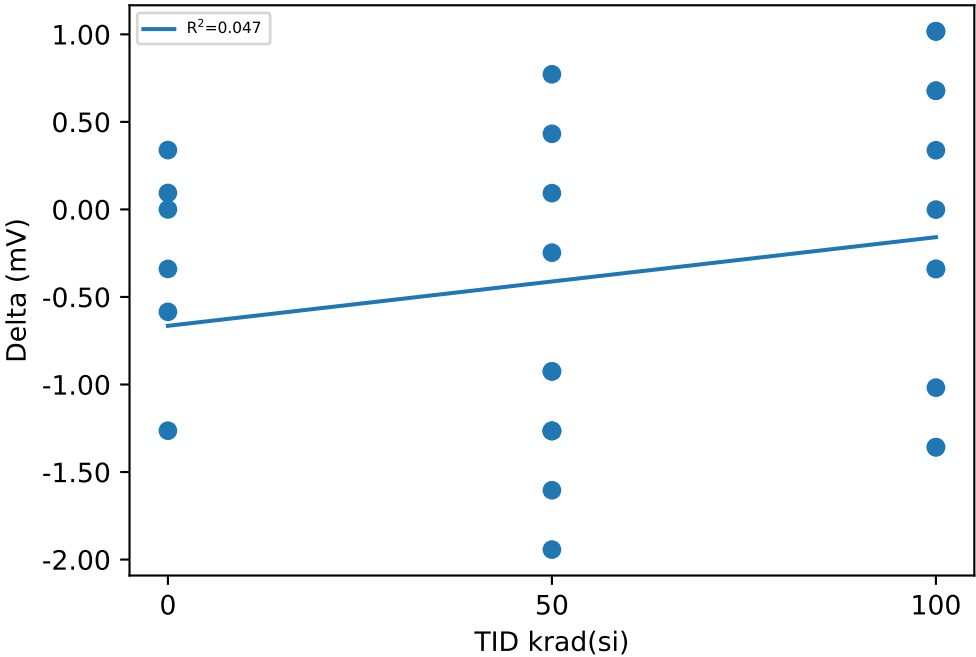
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 601.43     | 601.52      | 0.094  |
| 201      | 0        | Correlation         | 601.43     | 600.84      | -0.585 |
| 202      | 0        | Correlation         | 601.43     | 600.16      | -1.264 |
| 203      | 50       | Biased              | 600.75     | 601.18      | 0.432  |
| 204      | 50       | Biased              | 602.11     | 600.16      | -1.943 |
| 205      | 50       | Biased              | 600.41     | 599.14      | -1.265 |
| 206      | 50       | Biased              | 600.75     | 599.48      | -1.265 |
| 207      | 50       | Biased              | 601.09     | 599.48      | -1.604 |
| 208      | 50       | Biased              | 600.75     | 601.52      | 0.772  |
| 209      | 50       | Unbiased            | 599.73     | 599.82      | 0.093  |
| 210      | 50       | Unbiased            | 601.43     | 600.5       | -0.925 |
| 211      | 50       | Unbiased            | 600.07     | 599.82      | -0.247 |
| 212      | 50       | Unbiased            | 602.45     | 601.18      | -1.265 |
| 213      | 50       | Unbiased            | 601.09     | 599.82      | -1.265 |
| 214      | 50       | Unbiased            | 601.09     | 600.16      | -0.925 |
| 1200     | 0        | Correlation         | 601.43     | 601.76      | 0.339  |
| 1201     | 0        | Correlation         | 601.43     | 601.09      | -0.34  |
| 1202     | 0        | Correlation         | 601.43     | 601.43      | 0      |
| 1203     | 100      | Biased              | 600.75     | 601.43      | 0.678  |
| 1204     | 100      | Biased              | 602.11     | 600.75      | -1.358 |
| 1205     | 100      | Biased              | 600.41     | 601.09      | 0.678  |
| 1206     | 100      | Biased              | 600.75     | 601.09      | 0.338  |
| 1207     | 100      | Biased              | 601.09     | 600.75      | -0.34  |
| 1208     | 100      | Biased              | 600.75     | 601.76      | 1.017  |
| 1209     | 100      | Unbiased            | 599.73     | 600.75      | 1.018  |
| 1210     | 100      | Unbiased            | 601.43     | 600.41      | -1.018 |
| 1211     | 100      | Unbiased            | 600.07     | 601.09      | 1.017  |
| 1212     | 100      | Unbiased            | 602.45     | 602.11      | -0.34  |
| 1213     | 100      | Unbiased            | 601.09     | 599.73      | -1.358 |
| 1214     | 100      | Unbiased            | 601.09     | 601.09      | -0.001 |

TID vs Post - Pre Exposure Delta

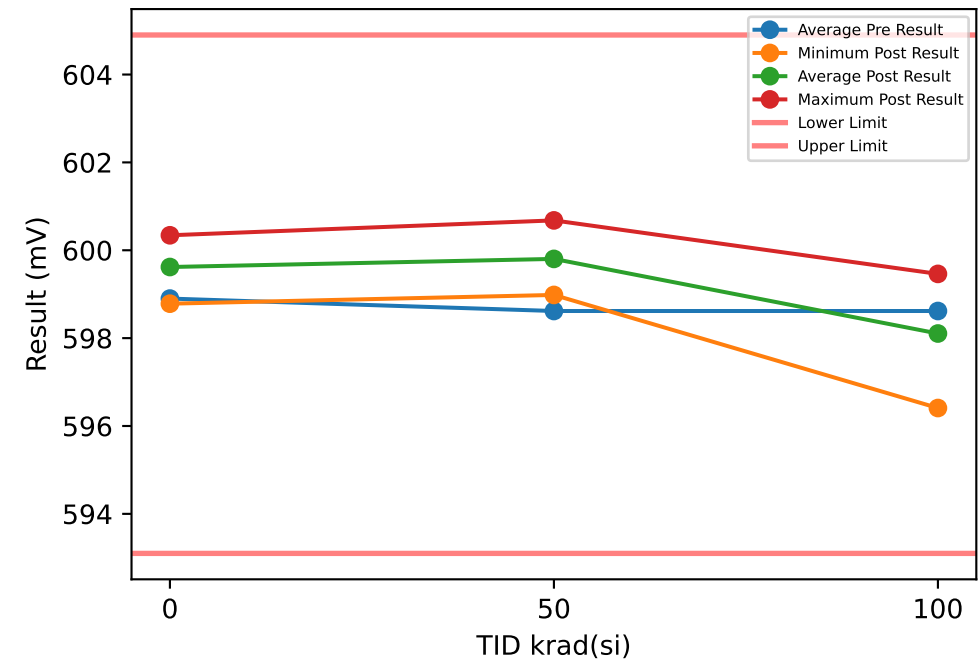


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 601.43           | 601.43           | 601.43           | 0                | 600.16            | 601.13            | 601.76            | 0.57712           | -1.264    | -0.29267  | 0.339     | 0.57712   |
| 50       | 599.73           | 600.97           | 602.45           | 0.77037          | 599.14            | 600.19            | 601.52            | 0.75856           | -1.943    | -0.78392  | 0.772     | 0.8495    |
| 100      | 599.73           | 600.97           | 602.45           | 0.77037          | 599.73            | 601               | 602.11            | 0.61609           | -1.358    | 0.027583  | 1.018     | 0.90881   |

Device Test: 13.31 ; VTH\_SENSE

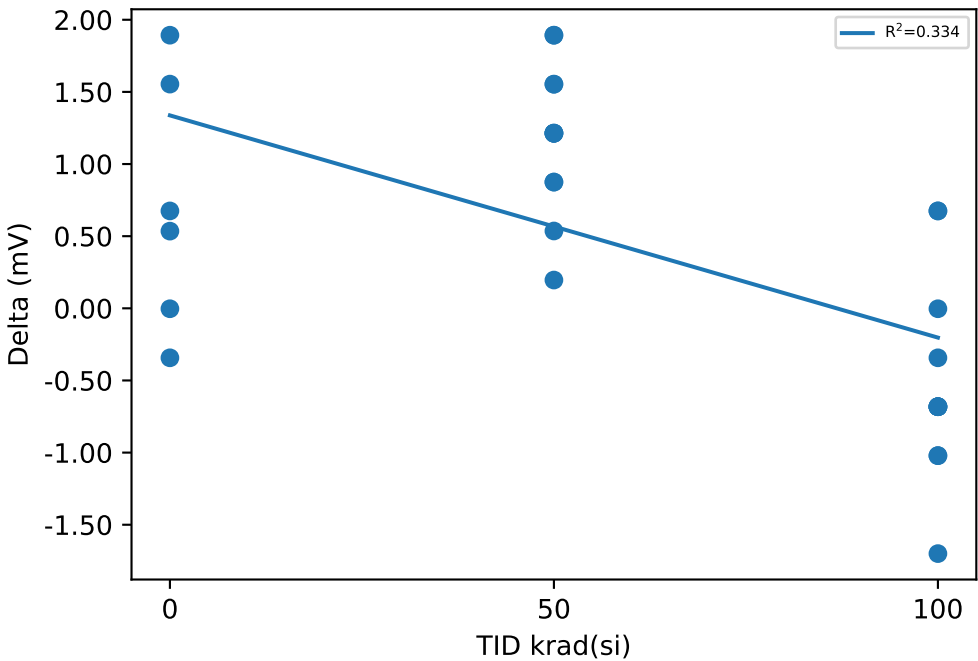
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 599.47     | 600         | 0.535  |
| 201      | 0        | Correlation         | 598.45     | 600.34      | 1.893  |
| 202      | 0        | Correlation         | 598.79     | 600.34      | 1.554  |
| 203      | 50       | Biased              | 597.77     | 599.66      | 1.893  |
| 204      | 50       | Biased              | 598.11     | 599.32      | 1.213  |
| 205      | 50       | Biased              | 597.77     | 599.32      | 1.553  |
| 206      | 50       | Biased              | 598.79     | 600.34      | 1.554  |
| 207      | 50       | Biased              | 597.77     | 598.98      | 1.214  |
| 208      | 50       | Biased              | 599.13     | 600.34      | 1.215  |
| 209      | 50       | Unbiased            | 598.11     | 599.32      | 1.213  |
| 210      | 50       | Unbiased            | 599.47     | 599.66      | 0.196  |
| 211      | 50       | Unbiased            | 599.13     | 600         | 0.875  |
| 212      | 50       | Unbiased            | 599.13     | 599.66      | 0.536  |
| 213      | 50       | Unbiased            | 599.8      | 600.68      | 0.875  |
| 214      | 50       | Unbiased            | 598.45     | 600.34      | 1.893  |
| 1200     | 0        | Correlation         | 599.47     | 599.12      | -0.343 |
| 1201     | 0        | Correlation         | 598.45     | 599.12      | 0.675  |
| 1202     | 0        | Correlation         | 598.79     | 598.78      | -0.003 |
| 1203     | 100      | Biased              | 597.77     | 598.44      | 0.675  |
| 1204     | 100      | Biased              | 598.11     | 596.41      | -1.7   |
| 1205     | 100      | Biased              | 597.77     | 597.77      | -0.003 |
| 1206     | 100      | Biased              | 598.79     | 599.46      | 0.675  |
| 1207     | 100      | Biased              | 597.77     | 596.75      | -1.021 |
| 1208     | 100      | Biased              | 599.13     | 598.44      | -0.682 |
| 1209     | 100      | Unbiased            | 598.11     | 597.43      | -0.682 |
| 1210     | 100      | Unbiased            | 599.47     | 598.78      | -0.682 |
| 1211     | 100      | Unbiased            | 599.13     | 598.44      | -0.682 |
| 1212     | 100      | Unbiased            | 599.13     | 598.44      | -0.682 |
| 1213     | 100      | Unbiased            | 599.8      | 598.78      | -1.021 |
| 1214     | 100      | Unbiased            | 598.45     | 598.11      | -0.343 |

TID vs Post - Pre Exposure Delta



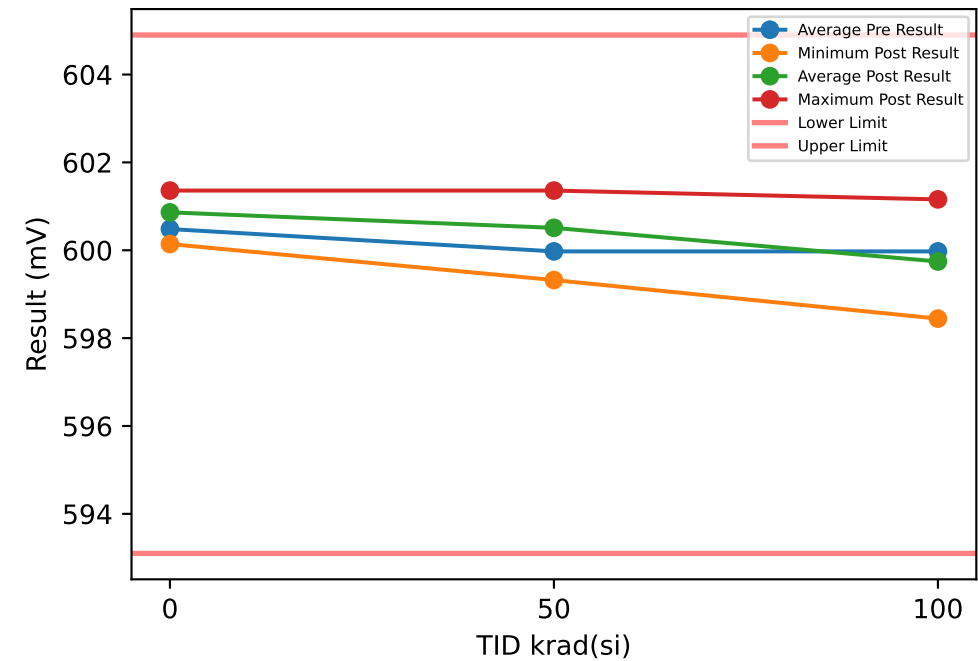
Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 598.45           | 598.9            | 599.47           | 0.46365          | 598.78            | 599.62            | 600.34            | 0.6896            | -0.343    | 0.7185    | 1.893     | 0.86723   |
| 50       | 597.77           | 598.62           | 599.8            | 0.71607          | 598.98            | 599.8             | 600.68            | 0.5311            | 0.196     | 1.1858    | 1.893     | 0.5107    |
| 100      | 597.77           | 598.62           | 599.8            | 0.71607          | 596.41            | 598.11            | 599.46            | 0.87986           | -1.7      | -0.51233  | 0.675     | 0.6862    |



Device Test: 13.32 ; VTH\_SENSE

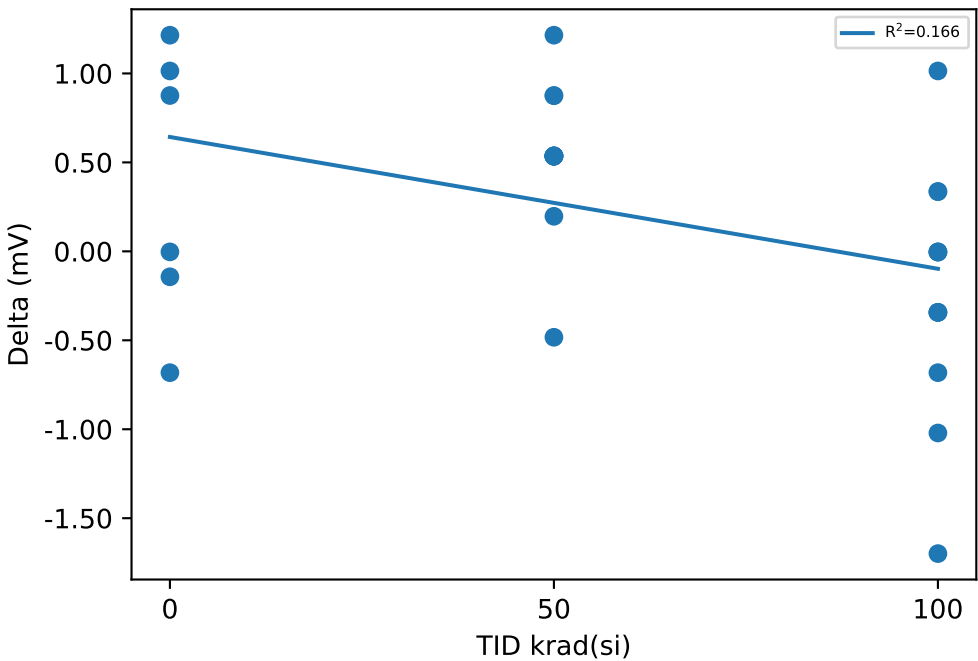
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 600.14     | 601.36      | 1.215  |
| 201      | 0        | Correlation         | 600.82     | 600.68      | -0.143 |
| 202      | 0        | Correlation         | 600.48     | 601.36      | 0.876  |
| 203      | 50       | Biased              | 599.8      | 600.34      | 0.536  |
| 204      | 50       | Biased              | 599.8      | 599.32      | -0.483 |
| 205      | 50       | Biased              | 599.47     | 600         | 0.535  |
| 206      | 50       | Biased              | 600.14     | 601.36      | 1.215  |
| 207      | 50       | Biased              | 598.79     | 599.32      | 0.535  |
| 208      | 50       | Biased              | 600.48     | 601.02      | 0.536  |
| 209      | 50       | Unbiased            | 600.48     | 600.68      | 0.197  |
| 210      | 50       | Unbiased            | 600.48     | 601.36      | 0.876  |
| 211      | 50       | Unbiased            | 600.14     | 600.68      | 0.536  |
| 212      | 50       | Unbiased            | 599.8      | 600.34      | 0.536  |
| 213      | 50       | Unbiased            | 600.48     | 601.02      | 0.536  |
| 214      | 50       | Unbiased            | 599.8      | 600.68      | 0.875  |
| 1200     | 0        | Correlation         | 600.14     | 601.16      | 1.014  |
| 1201     | 0        | Correlation         | 600.82     | 600.14      | -0.682 |
| 1202     | 0        | Correlation         | 600.48     | 600.48      | -0.003 |
| 1203     | 100      | Biased              | 599.8      | 599.46      | -0.343 |
| 1204     | 100      | Biased              | 599.8      | 598.78      | -1.021 |
| 1205     | 100      | Biased              | 599.47     | 599.46      | -0.004 |
| 1206     | 100      | Biased              | 600.14     | 600.48      | 0.336  |
| 1207     | 100      | Biased              | 598.79     | 598.44      | -0.343 |
| 1208     | 100      | Biased              | 600.48     | 600.82      | 0.336  |
| 1209     | 100      | Unbiased            | 600.48     | 598.78      | -1.699 |
| 1210     | 100      | Unbiased            | 600.48     | 599.8       | -0.682 |
| 1211     | 100      | Unbiased            | 600.14     | 601.16      | 1.014  |
| 1212     | 100      | Unbiased            | 599.8      | 599.46      | -0.343 |
| 1213     | 100      | Unbiased            | 600.48     | 600.48      | -0.003 |
| 1214     | 100      | Unbiased            | 599.8      | 599.8       | -0.004 |

TID vs Post - Pre Exposure Delta

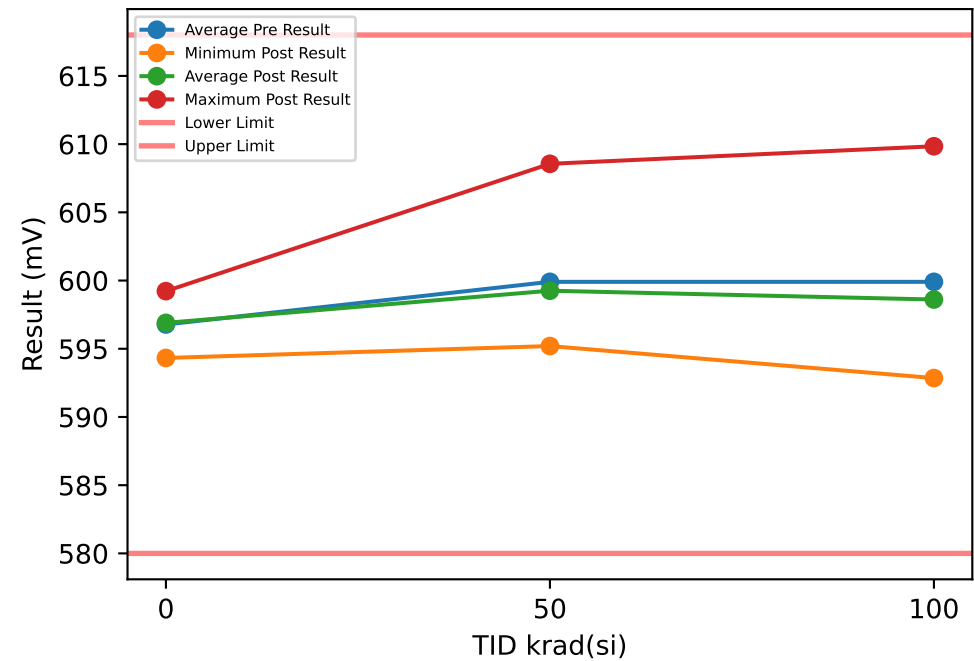


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 600.14           | 600.48           | 600.82           | 0.30366          | 600.14            | 600.86            | 601.36            | 0.50607           | -0.682    | 0.3795    | 1.215     | 0.76069   |
| 50       | 598.79           | 599.97           | 600.48           | 0.51127          | 599.32            | 600.51            | 601.36            | 0.68658           | -0.483    | 0.53583   | 1.215     | 0.40953   |
| 100      | 598.79           | 599.97           | 600.48           | 0.51127          | 598.44            | 599.74            | 601.16            | 0.85369           | -1.699    | -0.22967  | 1.014     | 0.69858   |

Device Test: 13.33 ; VTH\_SR\_UVLO\_RISE

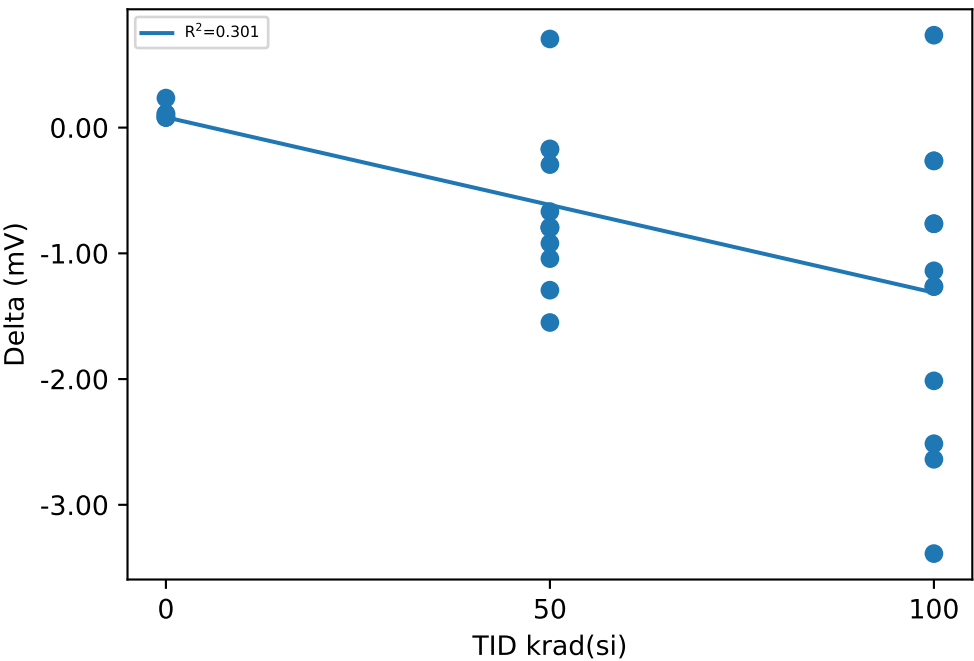
TID vs Result Stats



Test Results (Lower Limit = 580.0, Upper Limit = 618.0 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 596.99     | 597.07      | 0.081  |
| 201      | 0        | Correlation         | 594.24     | 594.33      | 0.083  |
| 202      | 0        | Correlation         | 599.11     | 599.19      | 0.08   |
| 203      | 50       | Biased              | 604.24     | 604.06      | -0.173 |
| 204      | 50       | Biased              | 596.24     | 595.2       | -1.042 |
| 205      | 50       | Biased              | 599.74     | 598.82      | -0.92  |
| 206      | 50       | Biased              | 597.37     | 598.07      | 0.705  |
| 207      | 50       | Biased              | 596.12     | 595.32      | -0.792 |
| 208      | 50       | Biased              | 596.37     | 595.7       | -0.668 |
| 209      | 50       | Unbiased            | 601.11     | 600.32      | -0.796 |
| 210      | 50       | Unbiased            | 598.49     | 598.2       | -0.294 |
| 211      | 50       | Unbiased            | 602.74     | 601.94      | -0.797 |
| 212      | 50       | Unbiased            | 610.11     | 608.56      | -1.55  |
| 213      | 50       | Unbiased            | 598.74     | 597.45      | -1.293 |
| 214      | 50       | Unbiased            | 597.62     | 597.45      | -0.169 |
| 1200     | 0        | Correlation         | 596.99     | 597.1       | 0.11   |
| 1201     | 0        | Correlation         | 594.24     | 594.48      | 0.235  |
| 1202     | 0        | Correlation         | 599.11     | 599.22      | 0.11   |
| 1203     | 100      | Biased              | 604.24     | 602.97      | -1.264 |
| 1204     | 100      | Biased              | 596.24     | 592.85      | -3.388 |
| 1205     | 100      | Biased              | 599.74     | 598.97      | -0.765 |
| 1206     | 100      | Biased              | 597.37     | 598.1       | 0.735  |
| 1207     | 100      | Biased              | 596.12     | 593.6       | -2.514 |
| 1208     | 100      | Biased              | 596.37     | 595.1       | -1.264 |
| 1209     | 100      | Unbiased            | 601.11     | 600.85      | -0.265 |
| 1210     | 100      | Unbiased            | 598.49     | 597.73      | -0.764 |
| 1211     | 100      | Unbiased            | 602.74     | 601.6       | -1.139 |
| 1212     | 100      | Unbiased            | 610.11     | 609.84      | -0.264 |
| 1213     | 100      | Unbiased            | 598.74     | 596.1       | -2.638 |
| 1214     | 100      | Unbiased            | 597.62     | 595.6       | -2.014 |

TID vs Post - Pre Exposure Delta

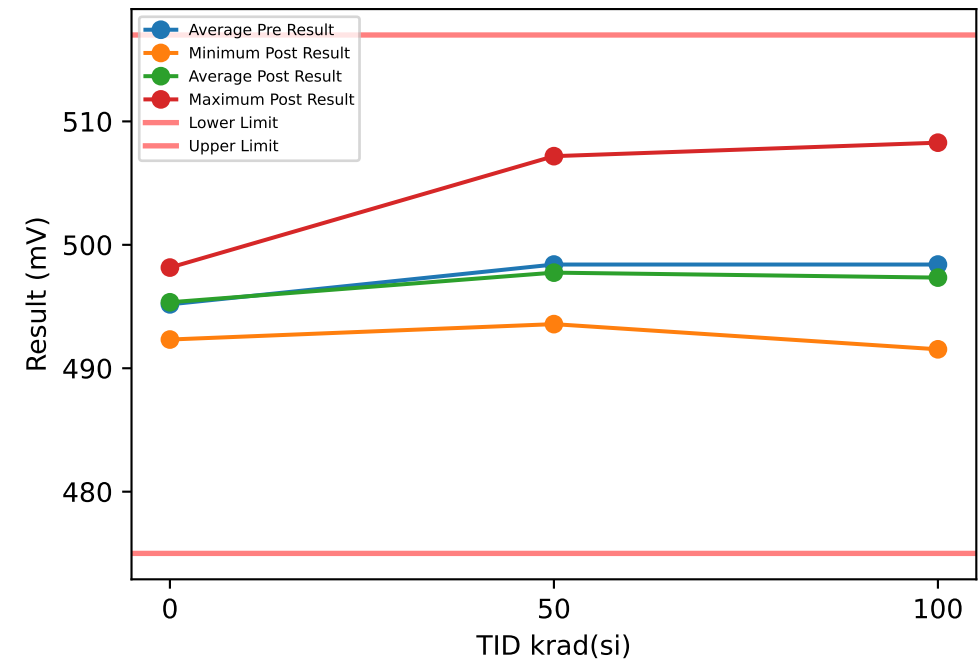


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 594.24           | 596.78           | 599.11           | 2.1848           | 594.33            | 596.9             | 599.22            | 2.1557            | 0.08      | 0.1165    | 0.235     | 0.059735  |
| 50       | 596.12           | 599.91           | 610.11           | 4.1309           | 595.2             | 599.26            | 608.56            | 3.952             | -1.55     | -0.64908  | 0.705     | 0.59811   |
| 100      | 596.12           | 599.91           | 610.11           | 4.1309           | 592.85            | 598.61            | 609.84            | 4.7309            | -3.388    | -1.2953   | 0.735     | 1.1686    |

Device Test: 13.34 ; VTH\_SR\_UVLO\_FALL

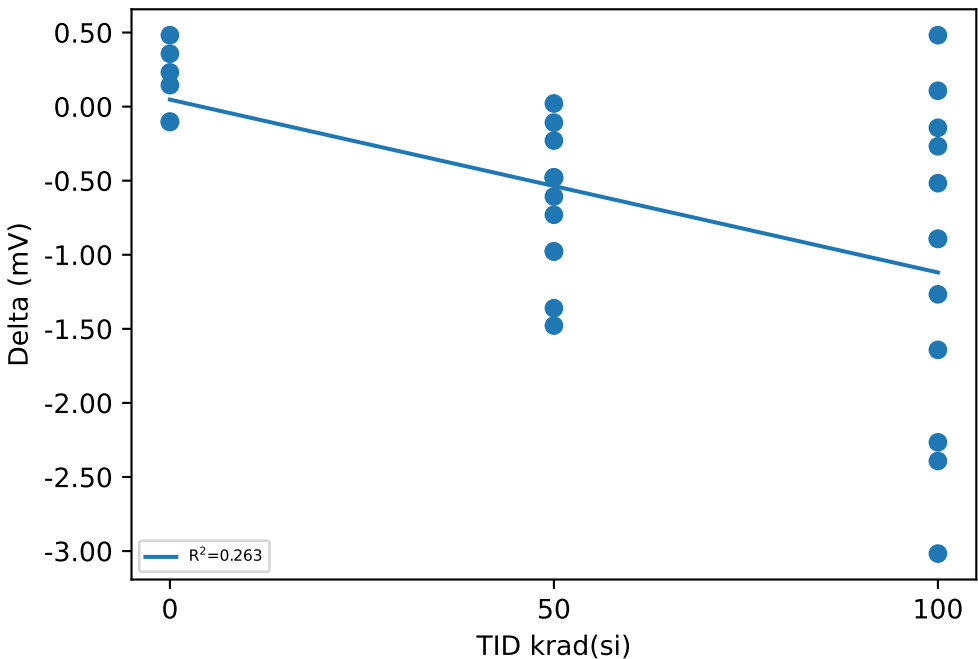
TID vs Result Stats



Test Results (Lower Limit = 475.0, Upper Limit = 517.0 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 495.3      | 495.2       | -0.104 |
| 201      | 0        | Correlation         | 492.43     | 492.33      | -0.101 |
| 202      | 0        | Correlation         | 497.8      | 497.94      | 0.145  |
| 203      | 50       | Biased              | 502.67     | 502.56      | -0.108 |
| 204      | 50       | Biased              | 494.55     | 493.57      | -0.977 |
| 205      | 50       | Biased              | 498.3      | 497.57      | -0.73  |
| 206      | 50       | Biased              | 496.18     | 496.2       | 0.021  |
| 207      | 50       | Biased              | 495.05     | 494.07      | -0.978 |
| 208      | 50       | Biased              | 494.43     | 493.95      | -0.477 |
| 209      | 50       | Unbiased            | 499.55     | 499.07      | -0.481 |
| 210      | 50       | Unbiased            | 497.05     | 496.57      | -0.479 |
| 211      | 50       | Unbiased            | 501.05     | 500.44      | -0.607 |
| 212      | 50       | Unbiased            | 508.54     | 507.18      | -1.361 |
| 213      | 50       | Unbiased            | 497.18     | 495.7       | -1.478 |
| 214      | 50       | Unbiased            | 496.3      | 496.07      | -0.229 |
| 1200     | 0        | Correlation         | 495.3      | 495.53      | 0.231  |
| 1201     | 0        | Correlation         | 492.43     | 492.91      | 0.482  |
| 1202     | 0        | Correlation         | 497.8      | 498.16      | 0.357  |
| 1203     | 100      | Biased              | 502.67     | 501.78      | -0.892 |
| 1204     | 100      | Biased              | 494.55     | 491.54      | -3.017 |
| 1205     | 100      | Biased              | 498.3      | 498.16      | -0.143 |
| 1206     | 100      | Biased              | 496.18     | 496.66      | 0.482  |
| 1207     | 100      | Biased              | 495.05     | 492.66      | -2.392 |
| 1208     | 100      | Biased              | 494.43     | 493.53      | -0.893 |
| 1209     | 100      | Unbiased            | 499.55     | 499.66      | 0.107  |
| 1210     | 100      | Unbiased            | 497.05     | 496.53      | -0.517 |
| 1211     | 100      | Unbiased            | 501.05     | 499.78      | -1.267 |
| 1212     | 100      | Unbiased            | 508.54     | 508.28      | -0.268 |
| 1213     | 100      | Unbiased            | 497.18     | 494.91      | -2.266 |
| 1214     | 100      | Unbiased            | 496.3      | 494.66      | -1.642 |

TID vs Post - Pre Exposure Delta

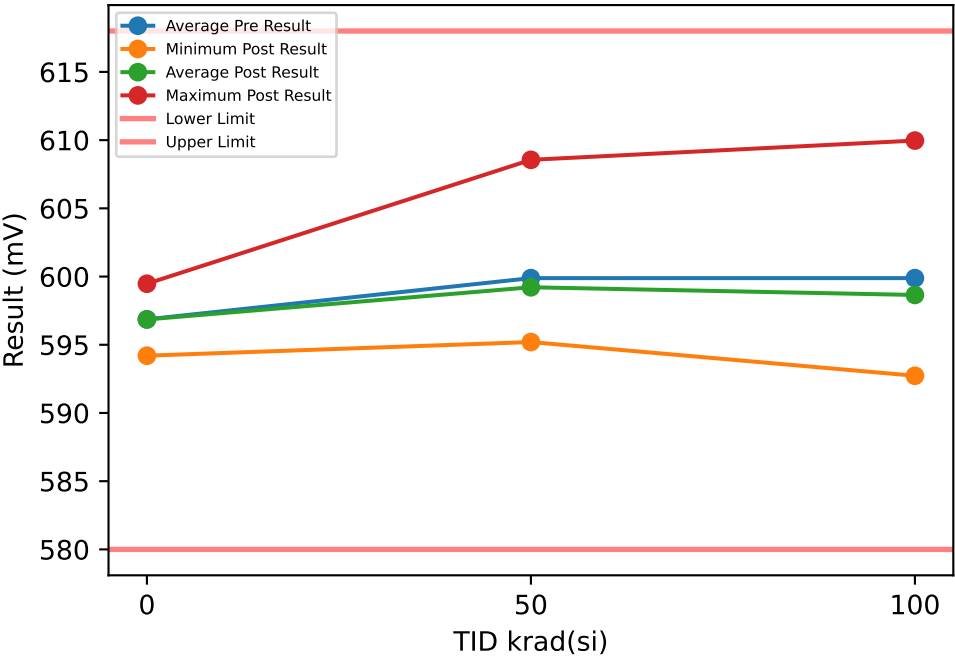


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 492.43           | 495.18           | 497.8            | 2.4044           | 492.33            | 495.35            | 498.16            | 2.4397            | -0.104    | 0.16833   | 0.482     | 0.23881   |
| 50       | 494.43           | 498.4            | 508.54           | 4.0896           | 493.57            | 497.75            | 507.18            | 4.0157            | -1.478    | -0.657    | 0.021     | 0.46926   |
| 100      | 494.43           | 498.4            | 508.54           | 4.0896           | 491.54            | 497.34            | 508.28            | 4.628             | -3.017    | -1.059    | 0.482     | 1.0871    |

Device Test: 13.36 ; VTH\_SR\_UVLO\_RISE

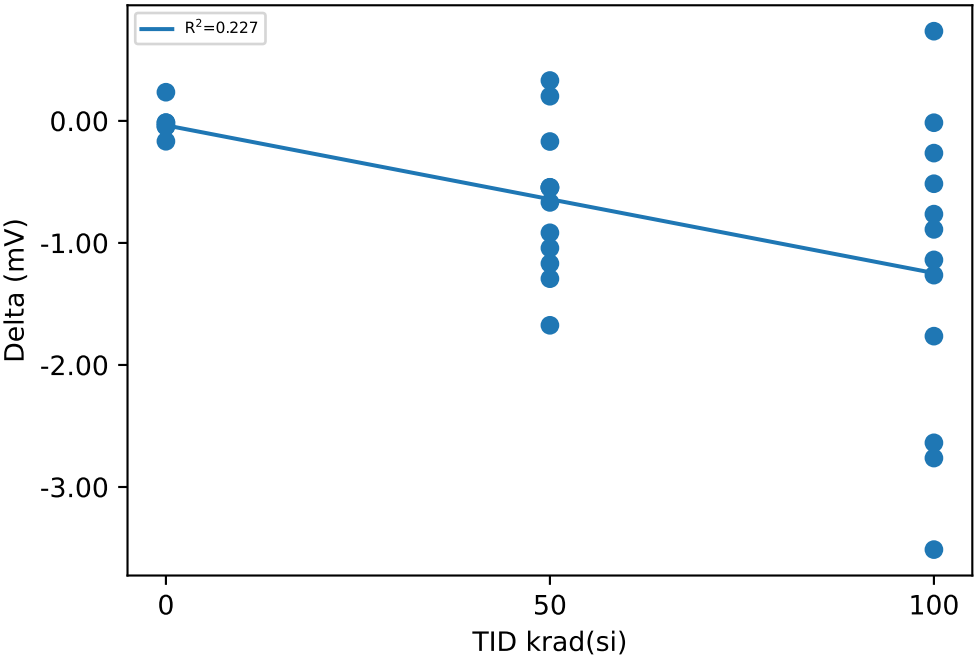
TID vs Result Stats



Test Results (Lower Limit = 580.0, Upper Limit = 618.0 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 596.99     | 596.95      | -0.043 |
| 201      | 0        | Correlation         | 594.37     | 594.2       | -0.167 |
| 202      | 0        | Correlation         | 599.24     | 599.19      | -0.045 |
| 203      | 50       | Biased              | 603.86     | 604.06      | 0.202  |
| 204      | 50       | Biased              | 596.24     | 595.2       | -1.042 |
| 205      | 50       | Biased              | 599.74     | 598.57      | -1.169 |
| 206      | 50       | Biased              | 597.37     | 597.7       | 0.331  |
| 207      | 50       | Biased              | 596.12     | 595.2       | -0.917 |
| 208      | 50       | Biased              | 596.37     | 595.7       | -0.668 |
| 209      | 50       | Unbiased            | 600.99     | 600.44      | -0.546 |
| 210      | 50       | Unbiased            | 598.74     | 598.2       | -0.544 |
| 211      | 50       | Unbiased            | 602.61     | 602.07      | -0.547 |
| 212      | 50       | Unbiased            | 610.23     | 608.56      | -1.675 |
| 213      | 50       | Unbiased            | 598.74     | 597.45      | -1.293 |
| 214      | 50       | Unbiased            | 597.62     | 597.45      | -0.169 |
| 1200     | 0        | Correlation         | 596.99     | 596.98      | -0.014 |
| 1201     | 0        | Correlation         | 594.37     | 594.35      | -0.015 |
| 1202     | 0        | Correlation         | 599.24     | 599.47      | 0.235  |
| 1203     | 100      | Biased              | 603.86     | 603.1       | -0.764 |
| 1204     | 100      | Biased              | 596.24     | 592.73      | -3.513 |
| 1205     | 100      | Biased              | 599.74     | 599.22      | -0.515 |
| 1206     | 100      | Biased              | 597.37     | 598.1       | 0.735  |
| 1207     | 100      | Biased              | 596.12     | 593.48      | -2.638 |
| 1208     | 100      | Biased              | 596.37     | 595.1       | -1.264 |
| 1209     | 100      | Unbiased            | 600.99     | 600.97      | -0.015 |
| 1210     | 100      | Unbiased            | 598.74     | 597.85      | -0.889 |
| 1211     | 100      | Unbiased            | 602.61     | 601.47      | -1.139 |
| 1212     | 100      | Unbiased            | 610.23     | 609.97      | -0.264 |
| 1213     | 100      | Unbiased            | 598.74     | 595.98      | -2.763 |
| 1214     | 100      | Unbiased            | 597.62     | 595.85      | -1.764 |

TID vs Post - Pre Exposure Delta

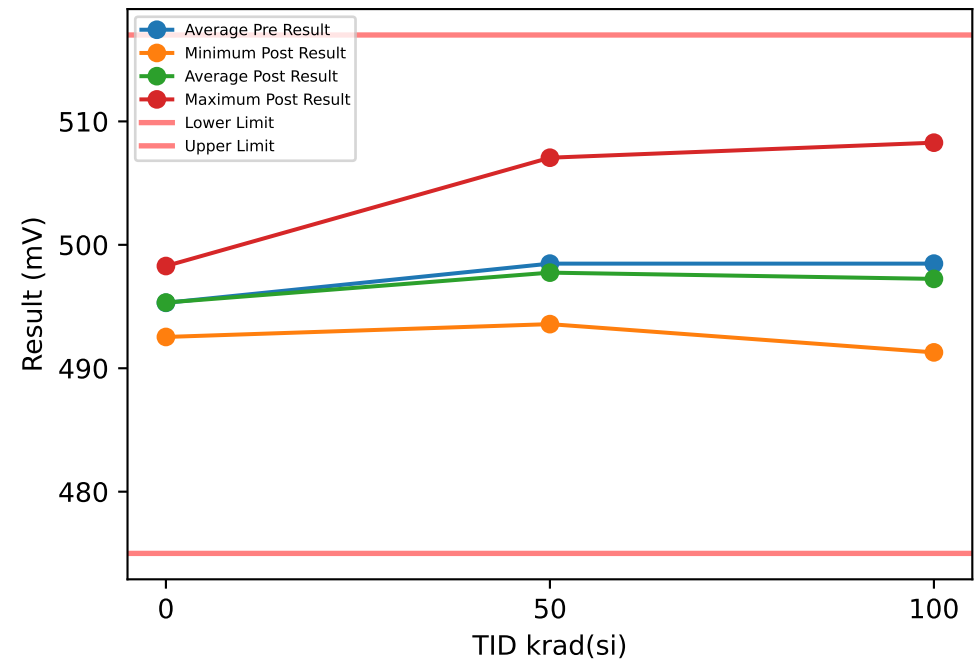


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 594.37           | 596.87           | 599.24           | 2.181            | 594.2             | 596.86            | 599.47            | 2.2657            | -0.167    | -0.0081667 | 0.235     | 0.13192   |
| 50       | 596.12           | 599.88           | 610.23           | 4.107            | 595.2             | 599.21            | 608.56            | 3.9892            | -1.675    | -0.66975   | 0.331     | 0.59592   |
| 100      | 596.12           | 599.88           | 610.23           | 4.107            | 592.73            | 598.65            | 609.97            | 4.7854            | -3.513    | -1.2328    | 0.735     | 1.2415    |

Device Test: 13.37 ; VTH\_SR\_UVLO\_FALL

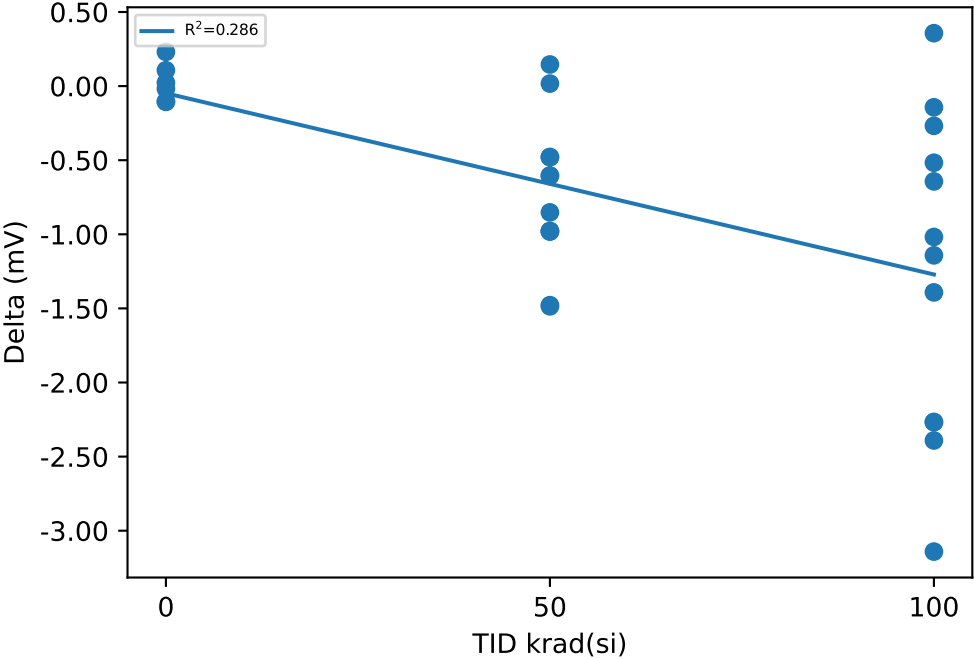
TID vs Result Stats



Test Results (Lower Limit = 475.0, Upper Limit = 517.0 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 495.18     | 495.07      | -0.104 |
| 201      | 0        | Correlation         | 492.55     | 492.58      | 0.023  |
| 202      | 0        | Correlation         | 498.18     | 498.07      | -0.106 |
| 203      | 50       | Biased              | 502.8      | 502.81      | 0.017  |
| 204      | 50       | Biased              | 494.43     | 493.57      | -0.852 |
| 205      | 50       | Biased              | 498.55     | 497.57      | -0.98  |
| 206      | 50       | Biased              | 496.18     | 496.32      | 0.146  |
| 207      | 50       | Biased              | 494.93     | 493.95      | -0.977 |
| 208      | 50       | Biased              | 494.68     | 494.07      | -0.603 |
| 209      | 50       | Unbiased            | 499.8      | 499.19      | -0.606 |
| 210      | 50       | Unbiased            | 497.05     | 496.57      | -0.479 |
| 211      | 50       | Unbiased            | 501.05     | 500.07      | -0.981 |
| 212      | 50       | Unbiased            | 508.54     | 507.06      | -1.486 |
| 213      | 50       | Unbiased            | 497.18     | 495.7       | -1.478 |
| 214      | 50       | Unbiased            | 496.55     | 496.07      | -0.479 |
| 1200     | 0        | Correlation         | 495.18     | 495.41      | 0.231  |
| 1201     | 0        | Correlation         | 492.55     | 492.54      | -0.018 |
| 1202     | 0        | Correlation         | 498.18     | 498.28      | 0.107  |
| 1203     | 100      | Biased              | 502.8      | 501.65      | -1.142 |
| 1204     | 100      | Biased              | 494.43     | 491.29      | -3.141 |
| 1205     | 100      | Biased              | 498.55     | 497.91      | -0.643 |
| 1206     | 100      | Biased              | 496.18     | 496.53      | 0.357  |
| 1207     | 100      | Biased              | 494.93     | 492.66      | -2.267 |
| 1208     | 100      | Biased              | 494.68     | 493.66      | -1.018 |
| 1209     | 100      | Unbiased            | 499.8      | 499.66      | -0.143 |
| 1210     | 100      | Unbiased            | 497.05     | 496.53      | -0.517 |
| 1211     | 100      | Unbiased            | 501.05     | 499.66      | -1.392 |
| 1212     | 100      | Unbiased            | 508.54     | 508.28      | -0.268 |
| 1213     | 100      | Unbiased            | 497.18     | 494.78      | -2.391 |
| 1214     | 100      | Unbiased            | 496.55     | 494.28      | -2.267 |

TID vs Post - Pre Exposure Delta



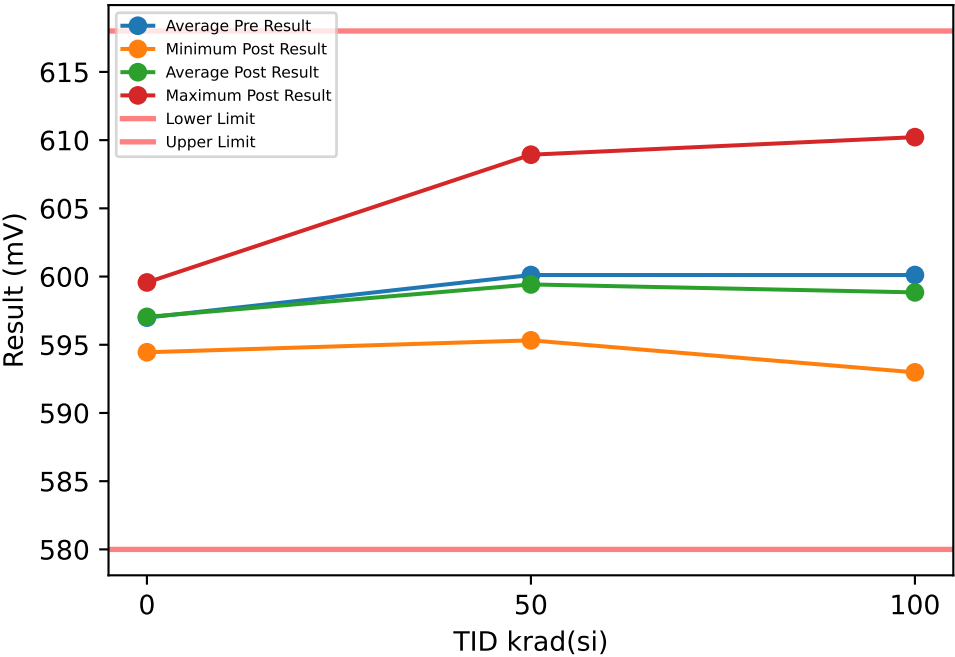
Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 492.55           | 495.3            | 498.18           | 2.5161           | 492.54            | 495.32            | 498.28            | 2.5173            | -0.106    | 0.022167  | 0.231     | 0.13021   |
| 50       | 494.43           | 498.48           | 508.54           | 4.096            | 493.57            | 497.75            | 507.06            | 3.9956            | -1.486    | -0.72983  | 0.146     | 0.5059    |
| 100      | 494.43           | 498.48           | 508.54           | 4.096            | 491.29            | 497.24            | 508.28            | 4.6556            | -3.141    | -1.236    | 0.357     | 1.0748    |



Device Test: 13.39 ; VTH\_SR\_UVLO\_RISE

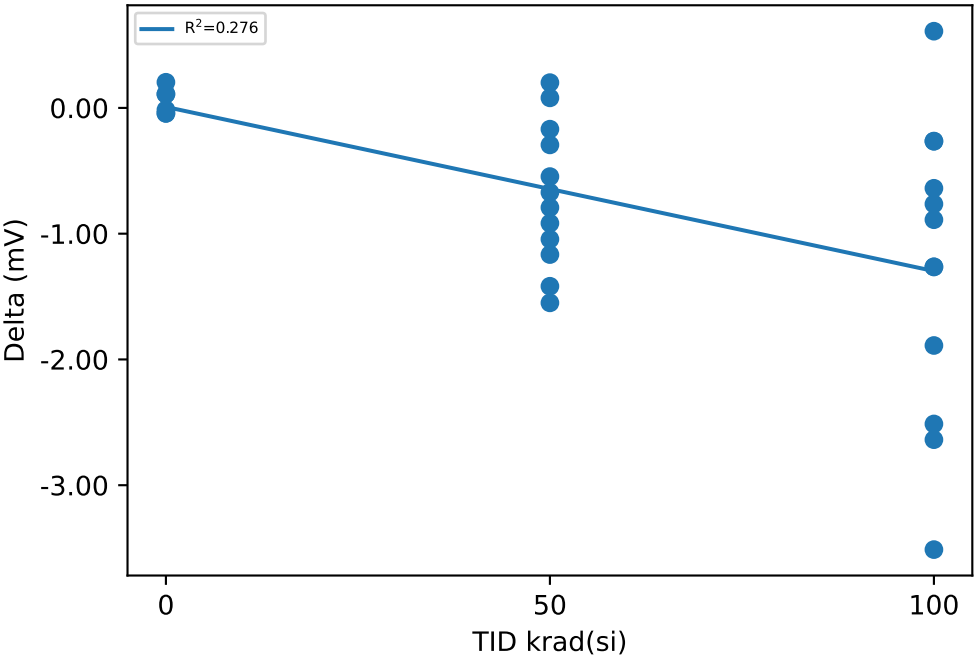
TID vs Result Stats



Test Results (Lower Limit = 580.0, Upper Limit = 618.0 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 597.12     | 597.07      | -0.044 |
| 201      | 0        | Correlation         | 594.49     | 594.45      | -0.042 |
| 202      | 0        | Correlation         | 599.36     | 599.57      | 0.204  |
| 203      | 50       | Biased              | 604.11     | 604.31      | 0.201  |
| 204      | 50       | Biased              | 596.49     | 595.32      | -1.166 |
| 205      | 50       | Biased              | 599.99     | 598.94      | -1.044 |
| 206      | 50       | Biased              | 597.87     | 597.95      | 0.08   |
| 207      | 50       | Biased              | 596.12     | 595.32      | -0.792 |
| 208      | 50       | Biased              | 596.74     | 595.82      | -0.917 |
| 209      | 50       | Unbiased            | 601.24     | 600.69      | -0.546 |
| 210      | 50       | Unbiased            | 598.74     | 598.45      | -0.294 |
| 211      | 50       | Unbiased            | 602.86     | 602.19      | -0.672 |
| 212      | 50       | Unbiased            | 610.48     | 608.93      | -1.55  |
| 213      | 50       | Unbiased            | 598.99     | 597.57      | -1.418 |
| 214      | 50       | Unbiased            | 597.74     | 597.57      | -0.169 |
| 1200     | 0        | Correlation         | 597.12     | 597.1       | -0.015 |
| 1201     | 0        | Correlation         | 594.49     | 594.6       | 0.11   |
| 1202     | 0        | Correlation         | 599.36     | 599.47      | 0.11   |
| 1203     | 100      | Biased              | 604.11     | 603.22      | -0.889 |
| 1204     | 100      | Biased              | 596.49     | 592.98      | -3.512 |
| 1205     | 100      | Biased              | 599.99     | 599.35      | -0.639 |
| 1206     | 100      | Biased              | 597.87     | 598.48      | 0.61   |
| 1207     | 100      | Biased              | 596.12     | 593.48      | -2.638 |
| 1208     | 100      | Biased              | 596.74     | 595.48      | -1.264 |
| 1209     | 100      | Unbiased            | 601.24     | 600.97      | -0.265 |
| 1210     | 100      | Unbiased            | 598.74     | 597.98      | -0.764 |
| 1211     | 100      | Unbiased            | 602.86     | 601.6       | -1.264 |
| 1212     | 100      | Unbiased            | 610.48     | 610.22      | -0.264 |
| 1213     | 100      | Unbiased            | 598.99     | 596.48      | -2.513 |
| 1214     | 100      | Unbiased            | 597.74     | 595.85      | -1.889 |

TID vs Post - Pre Exposure Delta

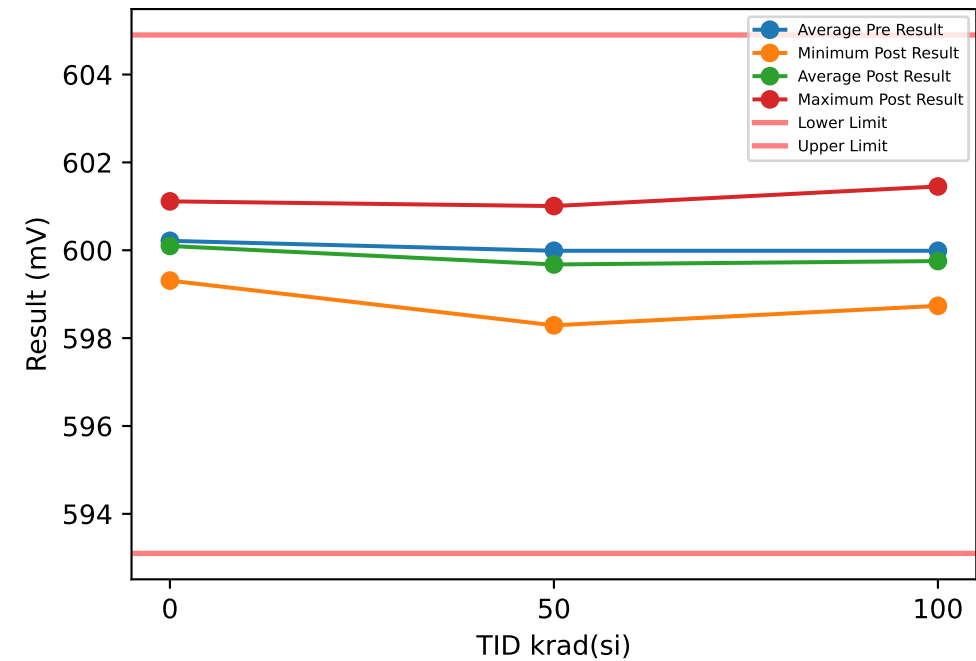


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 594.49           | 596.99           | 599.36           | 2.181            | 594.45            | 597.04            | 599.57            | 2.2348            | -0.044    | 0.053833  | 0.204     | 0.10233   |
| 50       | 596.12           | 600.11           | 610.48           | 4.1193           | 595.32            | 599.42            | 608.93            | 4.0495            | -1.55     | -0.69058  | 0.201     | 0.56565   |
| 100      | 596.12           | 600.11           | 610.48           | 4.1193           | 592.98            | 598.84            | 610.22            | 4.776             | -3.512    | -1.2743   | 0.61      | 1.1748    |

Device Test: 13.4 ; VTH\_SENSE

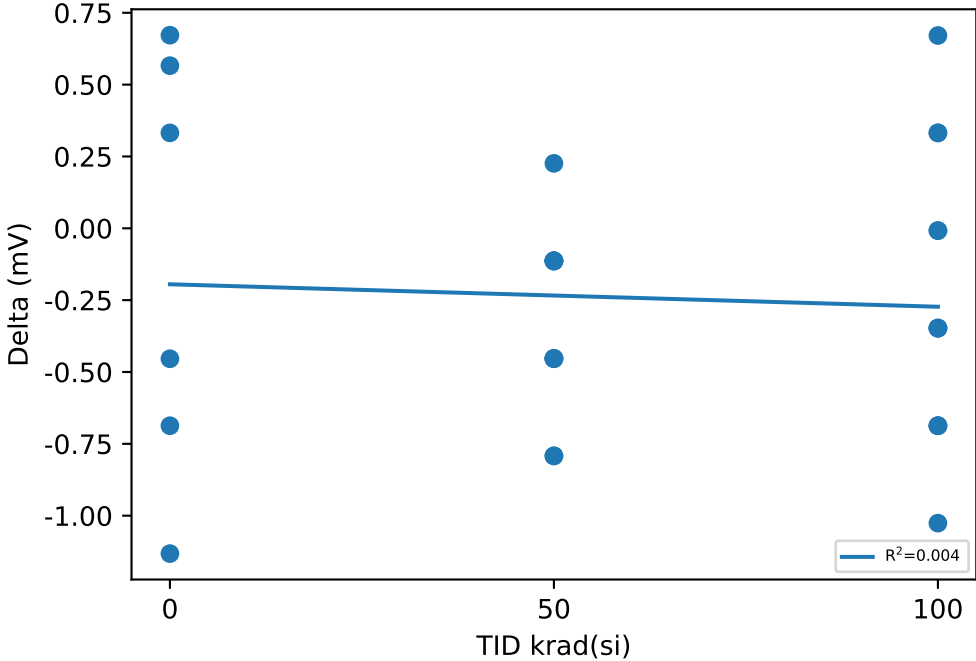
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 600.44     | 599.31      | -1.132 |
| 201      | 0        | Correlation         | 600.78     | 600.33      | -0.454 |
| 202      | 0        | Correlation         | 599.42     | 599.99      | 0.566  |
| 203      | 50       | Biased              | 600.1      | 599.99      | -0.113 |
| 204      | 50       | Biased              | 600.1      | 599.65      | -0.453 |
| 205      | 50       | Biased              | 599.08     | 598.29      | -0.792 |
| 206      | 50       | Biased              | 599.76     | 599.65      | -0.114 |
| 207      | 50       | Biased              | 599.08     | 598.63      | -0.453 |
| 208      | 50       | Biased              | 600.44     | 600.33      | -0.114 |
| 209      | 50       | Unbiased            | 599.42     | 599.31      | -0.113 |
| 210      | 50       | Unbiased            | 600.44     | 599.99      | -0.453 |
| 211      | 50       | Unbiased            | 599.76     | 599.99      | 0.226  |
| 212      | 50       | Unbiased            | 601.46     | 601.01      | -0.454 |
| 213      | 50       | Unbiased            | 600.1      | 599.99      | -0.113 |
| 214      | 50       | Unbiased            | 600.1      | 599.31      | -0.792 |
| 1200     | 0        | Correlation         | 600.44     | 599.75      | -0.687 |
| 1201     | 0        | Correlation         | 600.78     | 601.11      | 0.332  |
| 1202     | 0        | Correlation         | 599.42     | 600.09      | 0.672  |
| 1203     | 100      | Biased              | 600.1      | 599.75      | -0.347 |
| 1204     | 100      | Biased              | 600.1      | 599.41      | -0.687 |
| 1205     | 100      | Biased              | 599.08     | 599.75      | 0.671  |
| 1206     | 100      | Biased              | 599.76     | 599.75      | -0.008 |
| 1207     | 100      | Biased              | 599.08     | 598.74      | -0.348 |
| 1208     | 100      | Biased              | 600.44     | 600.77      | 0.332  |
| 1209     | 100      | Unbiased            | 599.42     | 598.74      | -0.687 |
| 1210     | 100      | Unbiased            | 600.44     | 599.75      | -0.687 |
| 1211     | 100      | Unbiased            | 599.76     | 600.09      | 0.332  |
| 1212     | 100      | Unbiased            | 601.46     | 601.45      | -0.008 |
| 1213     | 100      | Unbiased            | 600.1      | 599.75      | -0.347 |
| 1214     | 100      | Unbiased            | 600.1      | 599.08      | -1.026 |

TID vs Post - Pre Exposure Delta

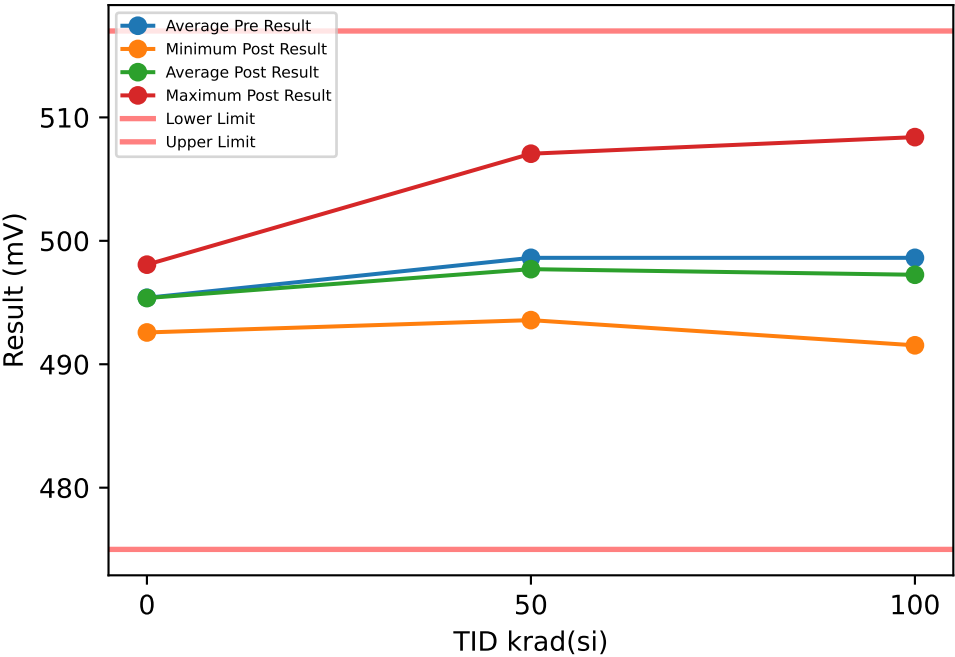


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 599.42           | 600.21           | 600.78           | 0.63254          | 599.31            | 600.1             | 601.11            | 0.60591           | -1.132    | -0.11717  | 0.672     | 0.74287   |
| 50       | 599.08           | 599.99           | 601.46           | 0.65288          | 598.29            | 599.68            | 601.01            | 0.73022           | -0.792    | -0.3115   | 0.226     | 0.30559   |
| 100      | 599.08           | 599.99           | 601.46           | 0.65288          | 598.74            | 599.75            | 601.45            | 0.77989           | -1.026    | -0.23417  | 0.671     | 0.50841   |

Device Test: 13.40 ; VTH\_SR\_UVLO\_FALL

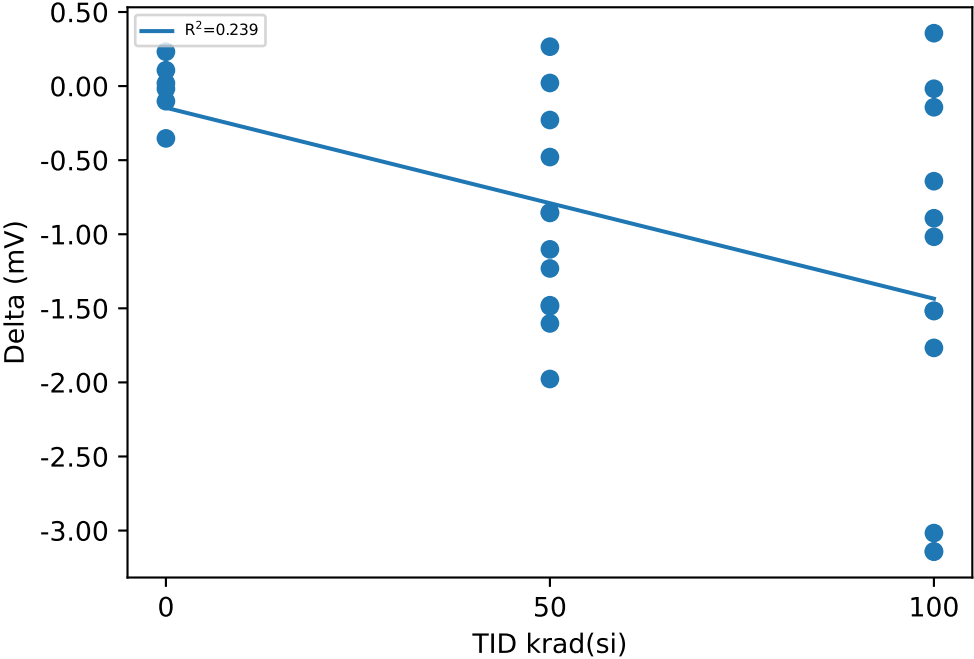
TID vs Result Stats



Test Results (Lower Limit = 475.0, Upper Limit = 517.0 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 495.43     | 495.07      | -0.353 |
| 201      | 0        | Correlation         | 492.68     | 492.58      | -0.102 |
| 202      | 0        | Correlation         | 498.05     | 498.07      | 0.019  |
| 203      | 50       | Biased              | 502.8      | 503.06      | 0.266  |
| 204      | 50       | Biased              | 494.68     | 493.57      | -1.102 |
| 205      | 50       | Biased              | 498.8      | 497.32      | -1.479 |
| 206      | 50       | Biased              | 496.3      | 496.32      | 0.021  |
| 207      | 50       | Biased              | 495.3      | 493.7       | -1.602 |
| 208      | 50       | Biased              | 494.93     | 494.07      | -0.853 |
| 209      | 50       | Unbiased            | 499.8      | 498.94      | -0.856 |
| 210      | 50       | Unbiased            | 497.18     | 496.7       | -0.479 |
| 211      | 50       | Unbiased            | 501.3      | 500.07      | -1.231 |
| 212      | 50       | Unbiased            | 508.54     | 507.06      | -1.486 |
| 213      | 50       | Unbiased            | 497.55     | 495.57      | -1.977 |
| 214      | 50       | Unbiased            | 496.3      | 496.07      | -0.229 |
| 1200     | 0        | Correlation         | 495.43     | 495.66      | 0.232  |
| 1201     | 0        | Correlation         | 492.68     | 492.79      | 0.107  |
| 1202     | 0        | Correlation         | 498.05     | 498.03      | -0.018 |
| 1203     | 100      | Biased              | 502.8      | 501.78      | -1.017 |
| 1204     | 100      | Biased              | 494.68     | 491.54      | -3.142 |
| 1205     | 100      | Biased              | 498.8      | 497.91      | -0.892 |
| 1206     | 100      | Biased              | 496.3      | 496.66      | 0.357  |
| 1207     | 100      | Biased              | 495.3      | 492.29      | -3.017 |
| 1208     | 100      | Biased              | 494.93     | 493.41      | -1.518 |
| 1209     | 100      | Unbiased            | 499.8      | 499.78      | -0.018 |
| 1210     | 100      | Unbiased            | 497.18     | 496.53      | -0.642 |
| 1211     | 100      | Unbiased            | 501.3      | 499.78      | -1.517 |
| 1212     | 100      | Unbiased            | 508.54     | 508.4       | -0.143 |
| 1213     | 100      | Unbiased            | 497.55     | 494.41      | -3.141 |
| 1214     | 100      | Unbiased            | 496.3      | 494.53      | -1.767 |

TID vs Post - Pre Exposure Delta

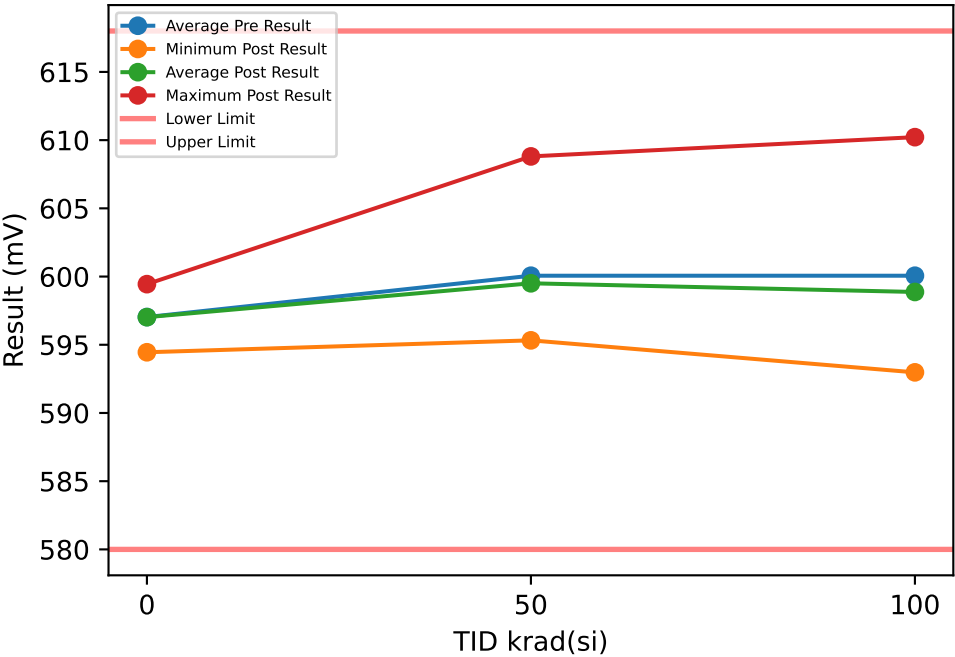


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 492.68           | 495.38           | 498.05           | 2.4026           | 492.58            | 495.37            | 498.07            | 2.4096            | -0.353    | -0.019167 | 0.232     | 0.19938   |
| 50       | 494.68           | 498.62           | 508.54           | 4.0307           | 493.57            | 497.71            | 507.06            | 4.0437            | -1.977    | -0.91725  | 0.266     | 0.69528   |
| 100      | 494.68           | 498.62           | 508.54           | 4.0307           | 491.54            | 497.25            | 508.4             | 4.7337            | -3.142    | -1.3714   | 0.357     | 1.2206    |

Device Test: 13.42 ; VTH\_SR\_UVLO\_RISE

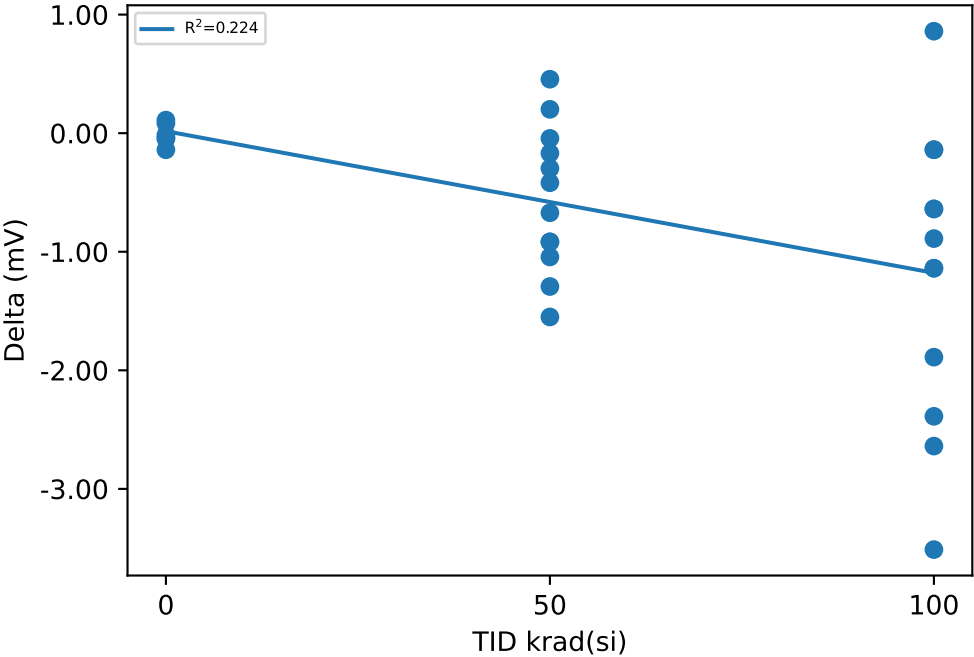
TID vs Result Stats



Test Results (Lower Limit = 580.0, Upper Limit = 618.0 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 597.24     | 597.2       | -0.044 |
| 201      | 0        | Correlation         | 594.37     | 594.45      | 0.083  |
| 202      | 0        | Correlation         | 599.49     | 599.44      | -0.046 |
| 203      | 50       | Biased              | 604.11     | 604.31      | 0.201  |
| 204      | 50       | Biased              | 596.49     | 595.57      | -0.917 |
| 205      | 50       | Biased              | 599.99     | 598.94      | -1.044 |
| 206      | 50       | Biased              | 597.62     | 598.07      | 0.455  |
| 207      | 50       | Biased              | 596.24     | 595.32      | -0.917 |
| 208      | 50       | Biased              | 596.62     | 596.2       | -0.418 |
| 209      | 50       | Unbiased            | 601.24     | 600.57      | -0.671 |
| 210      | 50       | Unbiased            | 598.61     | 598.45      | -0.169 |
| 211      | 50       | Unbiased            | 602.74     | 602.44      | -0.297 |
| 212      | 50       | Unbiased            | 610.36     | 608.81      | -1.55  |
| 213      | 50       | Unbiased            | 598.86     | 597.57      | -1.293 |
| 214      | 50       | Unbiased            | 597.87     | 597.82      | -0.044 |
| 1200     | 0        | Correlation         | 597.24     | 597.23      | -0.015 |
| 1201     | 0        | Correlation         | 594.37     | 594.48      | 0.11   |
| 1202     | 0        | Correlation         | 599.49     | 599.35      | -0.14  |
| 1203     | 100      | Biased              | 604.11     | 603.22      | -0.889 |
| 1204     | 100      | Biased              | 596.49     | 592.98      | -3.512 |
| 1205     | 100      | Biased              | 599.99     | 599.35      | -0.639 |
| 1206     | 100      | Biased              | 597.62     | 598.48      | 0.86   |
| 1207     | 100      | Biased              | 596.24     | 593.6       | -2.639 |
| 1208     | 100      | Biased              | 596.62     | 595.48      | -1.139 |
| 1209     | 100      | Unbiased            | 601.24     | 601.1       | -0.14  |
| 1210     | 100      | Unbiased            | 598.61     | 597.98      | -0.639 |
| 1211     | 100      | Unbiased            | 602.74     | 601.6       | -1.139 |
| 1212     | 100      | Unbiased            | 610.36     | 610.22      | -0.139 |
| 1213     | 100      | Unbiased            | 598.86     | 596.48      | -2.388 |
| 1214     | 100      | Unbiased            | 597.87     | 595.98      | -1.889 |

TID vs Post - Pre Exposure Delta

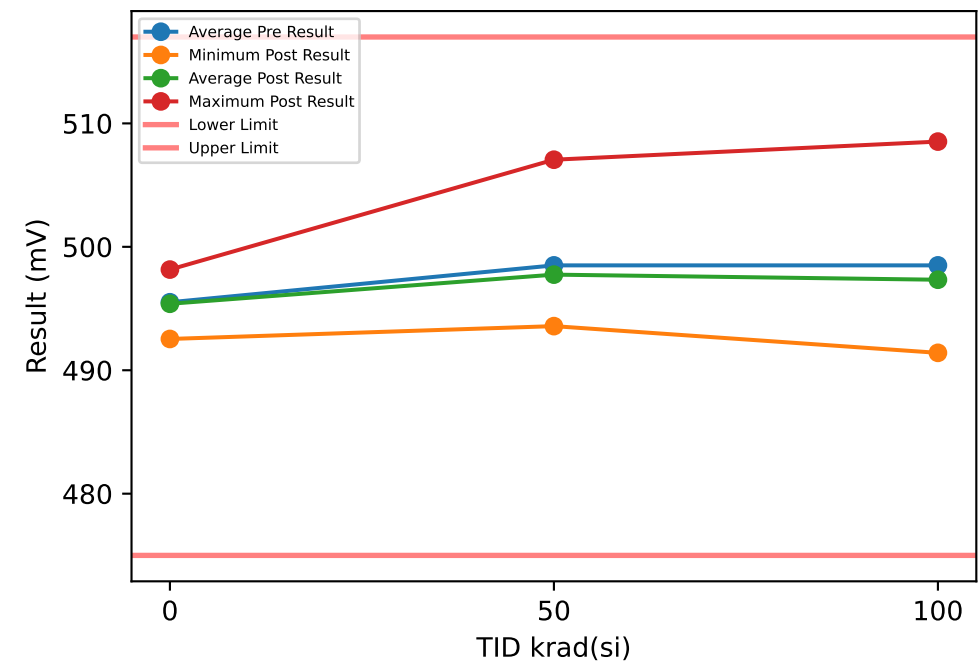


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 594.37           | 597.03           | 599.49           | 2.2963           | 594.45            | 597.02            | 599.44            | 2.2109            | -0.14     | -0.0086667 | 0.11      | 0.092104  |
| 50       | 596.24           | 600.06           | 610.36           | 4.0956           | 595.32            | 599.51            | 608.81            | 3.9696            | -1.55     | -0.55533   | 0.455     | 0.61322   |
| 100      | 596.24           | 600.06           | 610.36           | 4.0956           | 592.98            | 598.87            | 610.22            | 4.7616            | -3.512    | -1.191     | 0.86      | 1.2258    |

Device Test: 13.43 ; VTH\_SR\_UVLO\_FALL

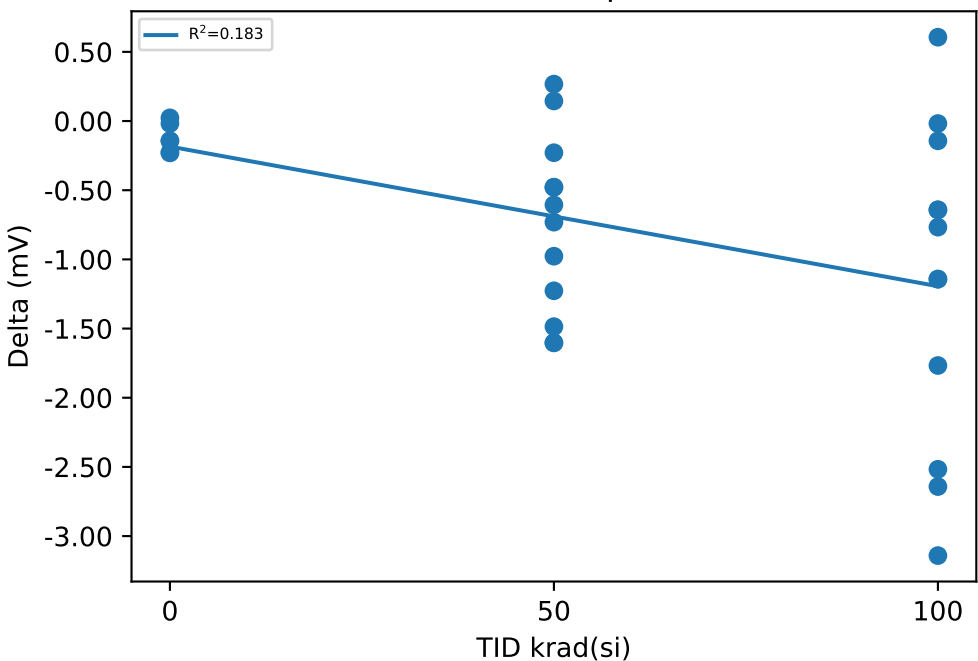
TID vs Result Stats



Test Results (Lower Limit = 475.0, Upper Limit = 517.0 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 495.68     | 495.45      | -0.228 |
| 201      | 0        | Correlation         | 492.68     | 492.7       | 0.023  |
| 202      | 0        | Correlation         | 498.18     | 497.94      | -0.23  |
| 203      | 50       | Biased              | 502.55     | 502.81      | 0.267  |
| 204      | 50       | Biased              | 494.55     | 493.57      | -0.977 |
| 205      | 50       | Biased              | 498.67     | 497.07      | -1.603 |
| 206      | 50       | Biased              | 496.3      | 496.45      | 0.145  |
| 207      | 50       | Biased              | 495.18     | 493.95      | -1.227 |
| 208      | 50       | Biased              | 494.55     | 494.07      | -0.478 |
| 209      | 50       | Unbiased            | 499.8      | 499.07      | -0.731 |
| 210      | 50       | Unbiased            | 497.18     | 496.7       | -0.479 |
| 211      | 50       | Unbiased            | 500.92     | 500.32      | -0.606 |
| 212      | 50       | Unbiased            | 508.54     | 507.06      | -1.486 |
| 213      | 50       | Unbiased            | 497.55     | 495.95      | -1.603 |
| 214      | 50       | Unbiased            | 496.18     | 495.95      | -0.229 |
| 1200     | 0        | Correlation         | 495.68     | 495.53      | -0.143 |
| 1201     | 0        | Correlation         | 492.68     | 492.54      | -0.143 |
| 1202     | 0        | Correlation         | 498.18     | 498.16      | -0.018 |
| 1203     | 100      | Biased              | 502.55     | 501.9       | -0.642 |
| 1204     | 100      | Biased              | 494.55     | 491.41      | -3.141 |
| 1205     | 100      | Biased              | 498.67     | 498.03      | -0.642 |
| 1206     | 100      | Biased              | 496.3      | 496.91      | 0.606  |
| 1207     | 100      | Biased              | 495.18     | 492.54      | -2.642 |
| 1208     | 100      | Biased              | 494.55     | 493.41      | -1.143 |
| 1209     | 100      | Unbiased            | 499.8      | 499.66      | -0.143 |
| 1210     | 100      | Unbiased            | 497.18     | 496.41      | -0.767 |
| 1211     | 100      | Unbiased            | 500.92     | 499.78      | -1.142 |
| 1212     | 100      | Unbiased            | 508.54     | 508.53      | -0.018 |
| 1213     | 100      | Unbiased            | 497.55     | 495.03      | -2.517 |
| 1214     | 100      | Unbiased            | 496.18     | 494.41      | -1.767 |

TID vs Post - Pre Exposure Delta



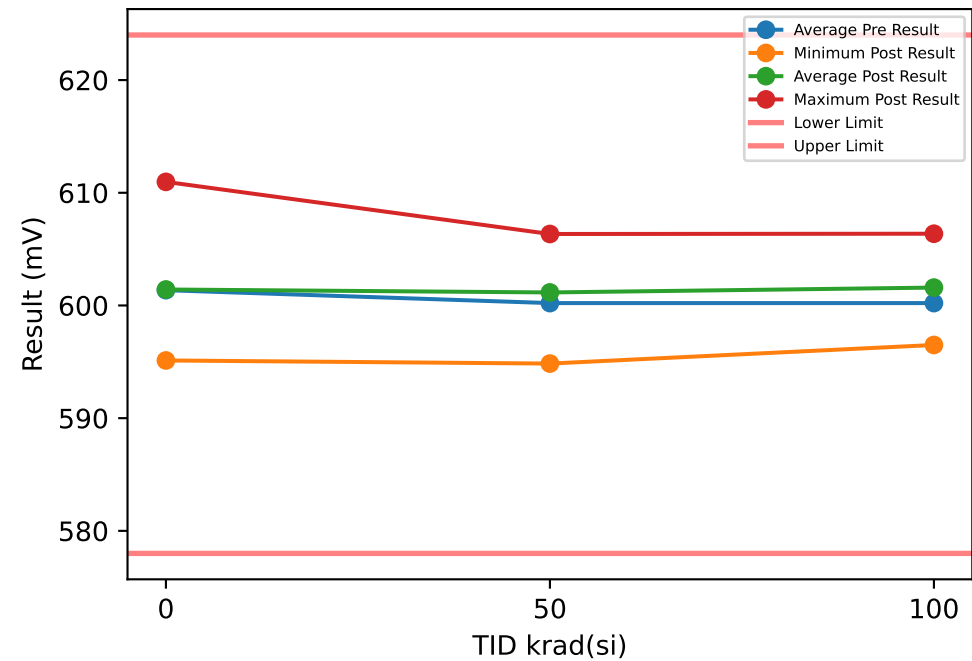
Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 492.68           | 495.51           | 498.18           | 2.4617           | 492.54            | 495.39            | 498.16            | 2.4327            | -0.23     | -0.12317  | 0.023     | 0.10547   |
| 50       | 494.55           | 498.5            | 508.54           | 4.0447           | 493.57            | 497.75            | 507.06            | 3.9974            | -1.603    | -0.75058  | 0.267     | 0.64323   |
| 100      | 494.55           | 498.5            | 508.54           | 4.0447           | 491.41            | 497.33            | 508.53            | 4.7331            | -3.141    | -1.1632   | 0.606     | 1.1473    |



Device Test: 13.45 ; VTH\_WDI\_RISE

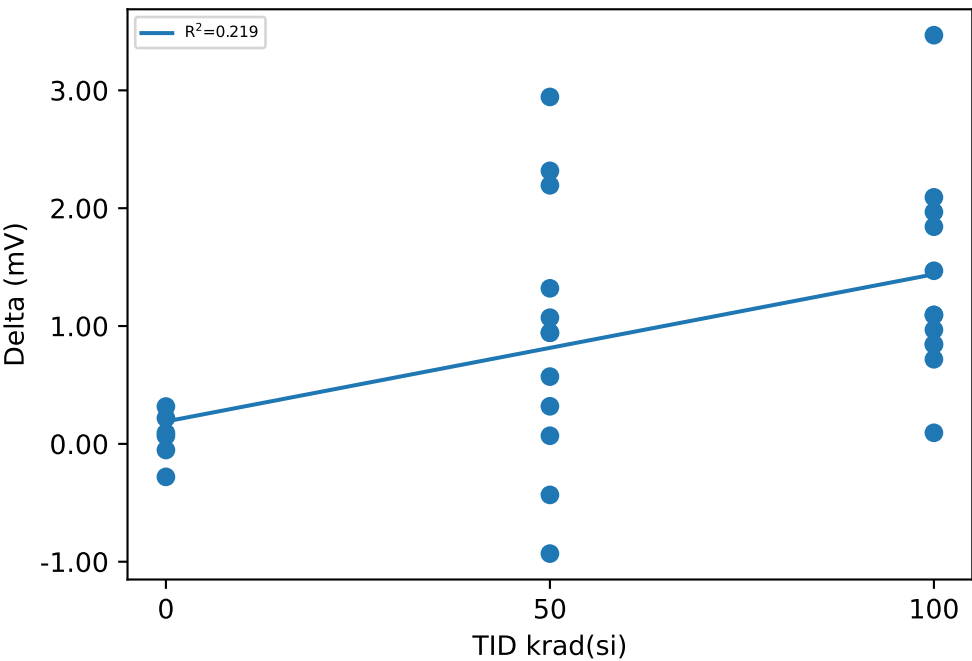
TID vs Result Stats



Test Results (Lower Limit = 578.0, Upper Limit = 624.0 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 595.03     | 595.34      | 0.317  |
| 201      | 0        | Correlation         | 598.02     | 598.09      | 0.068  |
| 202      | 0        | Correlation         | 611.02     | 610.97      | -0.052 |
| 203      | 50       | Biased              | 598.02     | 598.97      | 0.943  |
| 204      | 50       | Biased              | 601.77     | 601.84      | 0.069  |
| 205      | 50       | Biased              | 595.28     | 594.84      | -0.433 |
| 206      | 50       | Biased              | 604.77     | 605.34      | 0.571  |
| 207      | 50       | Biased              | 599.65     | 599.97      | 0.319  |
| 208      | 50       | Biased              | 598.02     | 598.97      | 0.943  |
| 209      | 50       | Unbiased            | 595.53     | 597.84      | 2.317  |
| 210      | 50       | Unbiased            | 605.27     | 606.34      | 1.071  |
| 211      | 50       | Unbiased            | 600.65     | 602.84      | 2.194  |
| 212      | 50       | Unbiased            | 602.65     | 603.97      | 1.32   |
| 213      | 50       | Unbiased            | 599.9      | 598.97      | -0.931 |
| 214      | 50       | Unbiased            | 601.02     | 603.97      | 2.944  |
| 1200     | 0        | Correlation         | 595.03     | 595.12      | 0.093  |
| 1201     | 0        | Correlation         | 598.02     | 598.24      | 0.219  |
| 1202     | 0        | Correlation         | 611.02     | 610.74      | -0.28  |
| 1203     | 100      | Biased              | 598.02     | 599.87      | 1.843  |
| 1204     | 100      | Biased              | 601.77     | 602.49      | 0.718  |
| 1205     | 100      | Biased              | 595.28     | 597.37      | 2.092  |
| 1206     | 100      | Biased              | 604.77     | 605.87      | 1.094  |
| 1207     | 100      | Biased              | 599.65     | 601.12      | 1.469  |
| 1208     | 100      | Biased              | 598.02     | 601.49      | 3.468  |
| 1209     | 100      | Unbiased            | 595.53     | 596.49      | 0.968  |
| 1210     | 100      | Unbiased            | 605.27     | 606.37      | 1.094  |
| 1211     | 100      | Unbiased            | 600.65     | 601.49      | 0.844  |
| 1212     | 100      | Unbiased            | 602.65     | 603.49      | 0.844  |
| 1213     | 100      | Unbiased            | 599.9      | 599.99      | 0.094  |
| 1214     | 100      | Unbiased            | 601.02     | 602.99      | 1.968  |

TID vs Post - Pre Exposure Delta

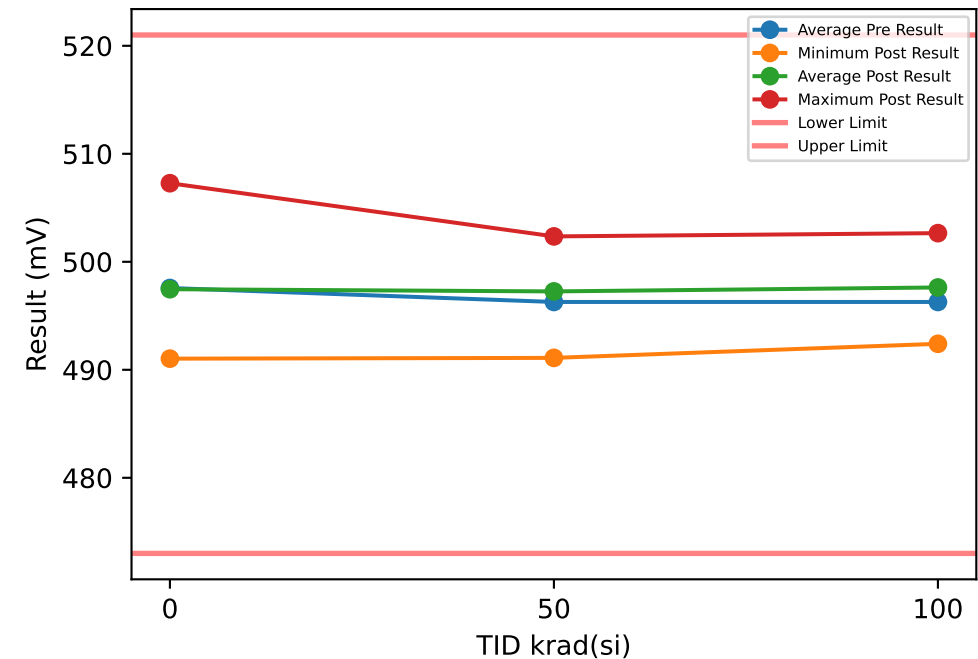


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 595.03           | 601.36           | 611.02           | 7.6033           | 595.12            | 601.42            | 610.97            | 7.4263            | -0.28     | 0.060833  | 0.317     | 0.21006   |
| 50       | 595.28           | 600.21           | 605.27           | 3.1897           | 594.84            | 601.16            | 606.34            | 3.4399            | -0.931    | 0.94392   | 2.944     | 1.1407    |
| 100      | 595.28           | 600.21           | 605.27           | 3.1897           | 596.49            | 601.59            | 606.37            | 2.9701            | 0.094     | 1.3747    | 3.468     | 0.87565   |

Device Test: 13.46 ; VTH\_WDI\_FALL

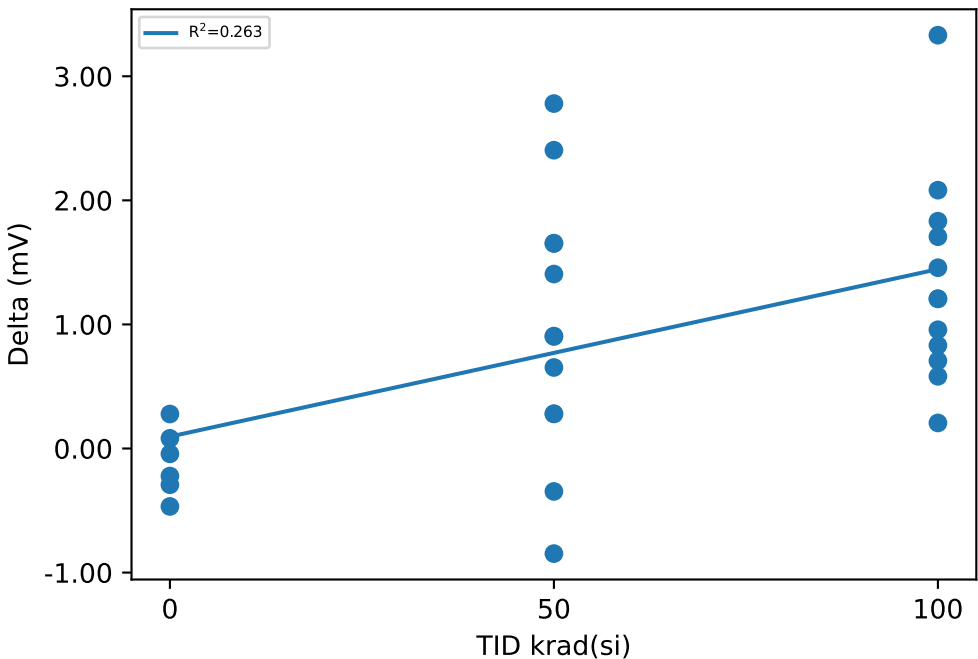
TID vs Result Stats



Test Results (Lower Limit = 473.0, Upper Limit = 521.0 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 490.95     | 491.23      | 0.278  |
| 201      | 0        | Correlation         | 494.2      | 493.98      | -0.222 |
| 202      | 0        | Correlation         | 507.57     | 507.1       | -0.467 |
| 203      | 50       | Biased              | 494.82     | 495.48      | 0.653  |
| 204      | 50       | Biased              | 497.57     | 497.85      | 0.28   |
| 205      | 50       | Biased              | 491.95     | 491.1       | -0.847 |
| 206      | 50       | Biased              | 500.57     | 501.48      | 0.906  |
| 207      | 50       | Biased              | 495.95     | 496.23      | 0.279  |
| 208      | 50       | Biased              | 493.57     | 494.48      | 0.903  |
| 209      | 50       | Unbiased            | 492.2      | 493.85      | 1.652  |
| 210      | 50       | Unbiased            | 500.95     | 502.35      | 1.406  |
| 211      | 50       | Unbiased            | 496.32     | 498.73      | 2.404  |
| 212      | 50       | Unbiased            | 498.2      | 499.85      | 1.655  |
| 213      | 50       | Unbiased            | 495.7      | 495.35      | -0.346 |
| 214      | 50       | Unbiased            | 497.57     | 500.35      | 2.78   |
| 1200     | 0        | Correlation         | 490.95     | 491.03      | 0.082  |
| 1201     | 0        | Correlation         | 494.2      | 494.16      | -0.043 |
| 1202     | 0        | Correlation         | 507.57     | 507.28      | -0.292 |
| 1203     | 100      | Biased              | 494.82     | 495.65      | 0.831  |
| 1204     | 100      | Biased              | 497.57     | 498.78      | 1.207  |
| 1205     | 100      | Biased              | 491.95     | 493.16      | 1.206  |
| 1206     | 100      | Biased              | 500.57     | 502.03      | 1.457  |
| 1207     | 100      | Biased              | 495.95     | 498.03      | 2.082  |
| 1208     | 100      | Biased              | 493.57     | 496.9       | 3.331  |
| 1209     | 100      | Unbiased            | 492.2      | 492.41      | 0.206  |
| 1210     | 100      | Unbiased            | 500.95     | 502.65      | 1.707  |
| 1211     | 100      | Unbiased            | 496.32     | 497.28      | 0.957  |
| 1212     | 100      | Unbiased            | 498.2      | 498.78      | 0.582  |
| 1213     | 100      | Unbiased            | 495.7      | 496.4       | 0.707  |
| 1214     | 100      | Unbiased            | 497.57     | 499.4       | 1.832  |

TID vs Post - Pre Exposure Delta

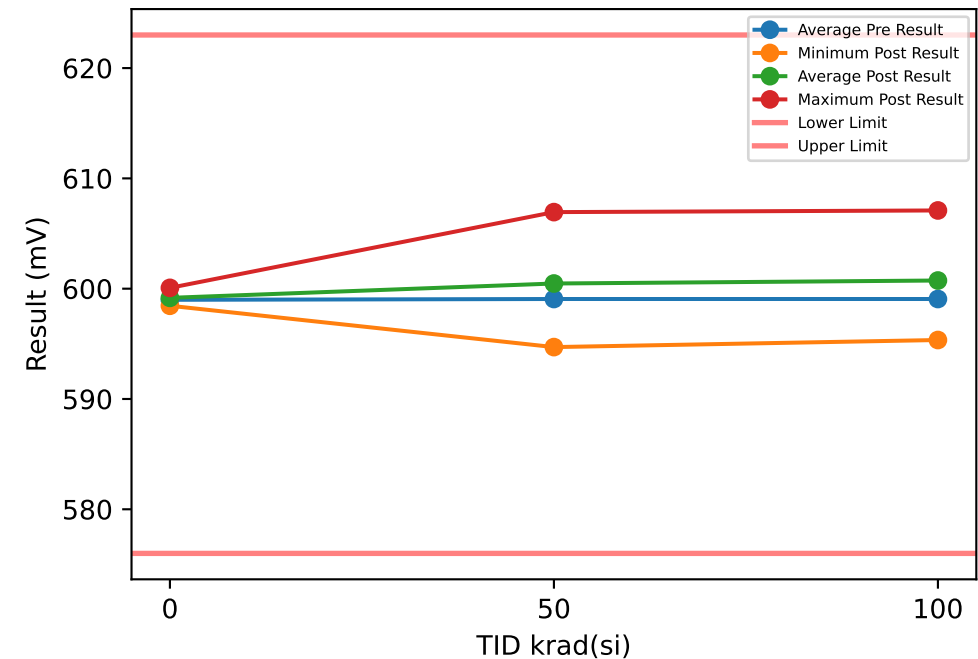


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 490.95           | 497.57           | 507.57           | 7.8778           | 491.03            | 497.46            | 507.28            | 7.6486            | -0.467    | -0.11067  | 0.278     | 0.27019   |
| 50       | 491.95           | 496.28           | 500.95           | 2.8996           | 491.1             | 497.26            | 502.35            | 3.4065            | -0.847    | 0.97708   | 2.78      | 1.0682    |
| 100      | 491.95           | 496.28           | 500.95           | 2.8996           | 492.41            | 497.62            | 502.65            | 3.073             | 0.206     | 1.3421    | 3.331     | 0.83163   |

Device Test: 13.48 ; VTH\_MODE\_RISE

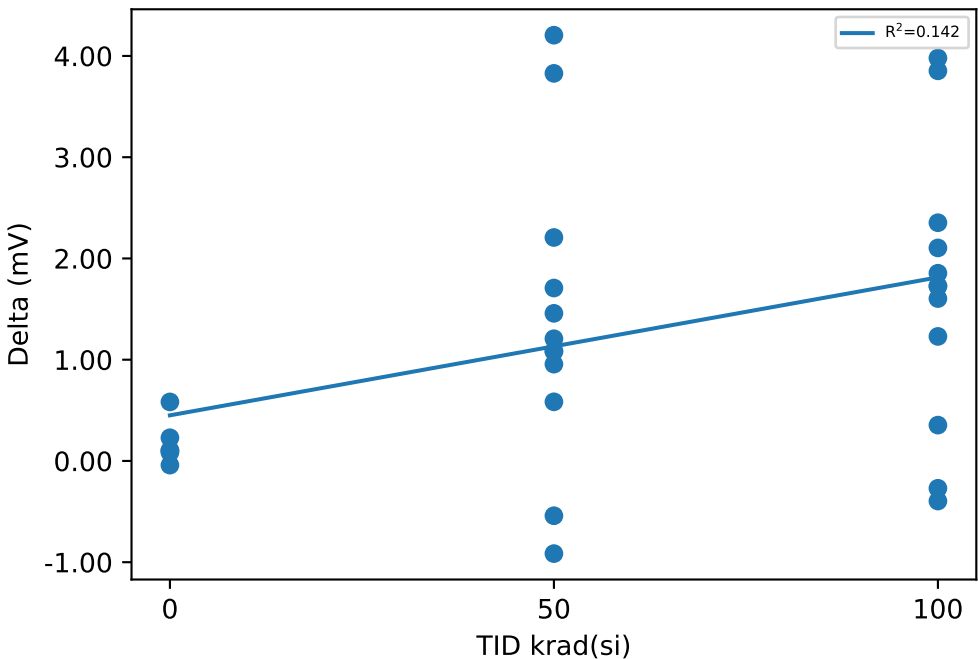
TID vs Result Stats



Test Results (Lower Limit = 576.0, Upper Limit = 623.0 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 599.49     | 600.07      | 0.583  |
| 201      | 0        | Correlation         | 598.99     | 599.08      | 0.084  |
| 202      | 0        | Correlation         | 598.49     | 598.45      | -0.041 |
| 203      | 50       | Biased              | 603.24     | 604.2       | 0.956  |
| 204      | 50       | Biased              | 598.12     | 597.58      | -0.541 |
| 205      | 50       | Biased              | 600.12     | 601.2       | 1.082  |
| 206      | 50       | Biased              | 599.49     | 600.7       | 1.207  |
| 207      | 50       | Biased              | 598.99     | 598.08      | -0.915 |
| 208      | 50       | Biased              | 593.62     | 594.7       | 1.084  |
| 209      | 50       | Unbiased            | 598.99     | 603.2       | 4.205  |
| 210      | 50       | Unbiased            | 598.99     | 600.45      | 1.458  |
| 211      | 50       | Unbiased            | 597.37     | 597.95      | 0.584  |
| 212      | 50       | Unbiased            | 599.37     | 601.57      | 2.207  |
| 213      | 50       | Unbiased            | 597.37     | 599.08      | 1.708  |
| 214      | 50       | Unbiased            | 603.11     | 606.94      | 3.828  |
| 1200     | 0        | Correlation         | 599.49     | 599.72      | 0.229  |
| 1201     | 0        | Correlation         | 598.99     | 599.1       | 0.104  |
| 1202     | 0        | Correlation         | 598.49     | 598.6       | 0.104  |
| 1203     | 100      | Biased              | 603.24     | 604.47      | 1.23   |
| 1204     | 100      | Biased              | 598.12     | 599.85      | 1.728  |
| 1205     | 100      | Biased              | 600.12     | 602.22      | 2.104  |
| 1206     | 100      | Biased              | 599.49     | 599.85      | 0.354  |
| 1207     | 100      | Biased              | 598.99     | 598.72      | -0.27  |
| 1208     | 100      | Biased              | 593.62     | 595.35      | 1.726  |
| 1209     | 100      | Unbiased            | 598.99     | 602.84      | 3.853  |
| 1210     | 100      | Unbiased            | 598.99     | 600.6       | 1.604  |
| 1211     | 100      | Unbiased            | 597.37     | 596.97      | -0.396 |
| 1212     | 100      | Unbiased            | 599.37     | 601.22      | 1.854  |
| 1213     | 100      | Unbiased            | 597.37     | 599.72      | 2.353  |
| 1214     | 100      | Unbiased            | 603.11     | 607.09      | 3.979  |

TID vs Post - Pre Exposure Delta

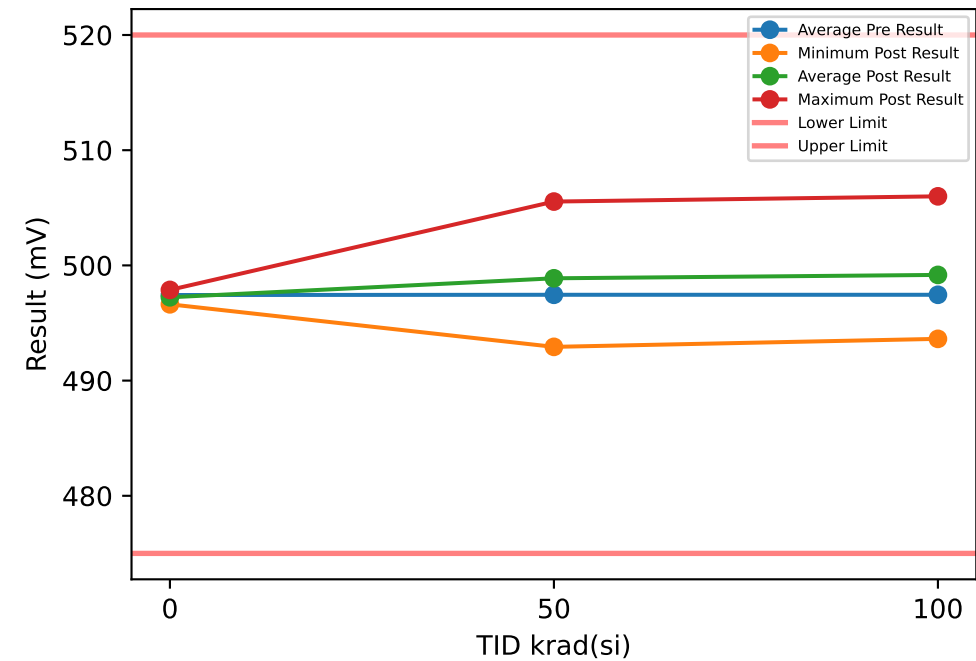


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 598.49           | 598.99           | 599.49           | 0.44677          | 598.45            | 599.17            | 600.07            | 0.62941           | -0.041    | 0.17717   | 0.583     | 0.2165    |
| 50       | 593.62           | 599.06           | 603.24           | 2.5499           | 594.7             | 600.47            | 606.94            | 3.3116            | -0.915    | 1.4053    | 4.205     | 1.4997    |
| 100      | 593.62           | 599.06           | 603.24           | 2.5499           | 595.35            | 600.74            | 607.09            | 3.1788            | -0.396    | 1.6766    | 3.979     | 1.3736    |

Device Test: 13.49 ; VTH\_MODE\_FALL

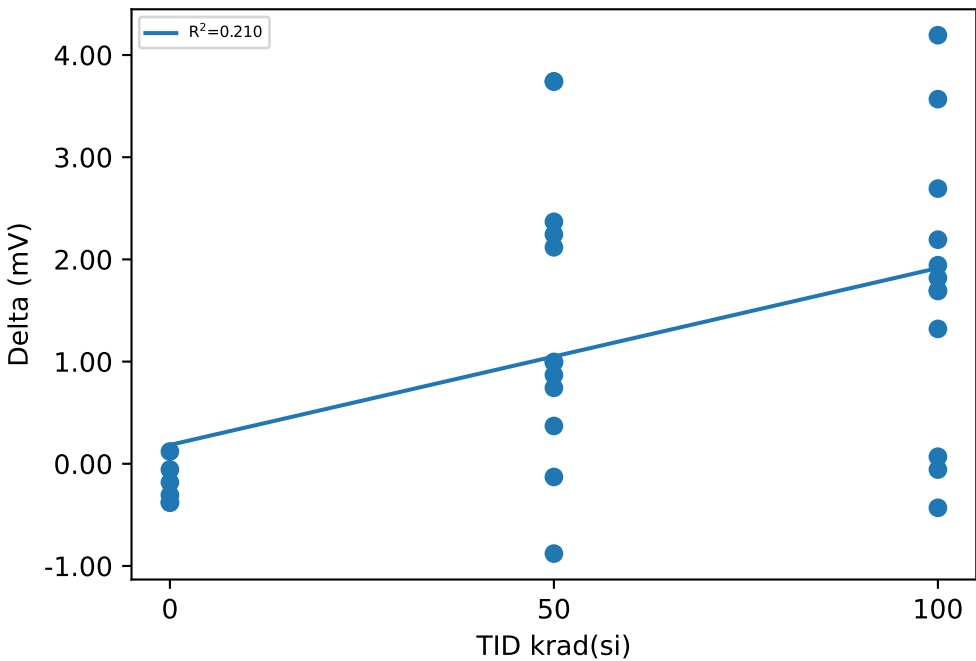
TID vs Result Stats



Test Results (Lower Limit = 475.0, Upper Limit = 520.0 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 498.18     | 497.8       | -0.38  |
| 201      | 0        | Correlation         | 497.3      | 496.92      | -0.379 |
| 202      | 0        | Correlation         | 496.8      | 496.92      | 0.12   |
| 203      | 50       | Biased              | 501.8      | 502.54      | 0.743  |
| 204      | 50       | Biased              | 495.93     | 495.8       | -0.129 |
| 205      | 50       | Biased              | 498.68     | 499.67      | 0.994  |
| 206      | 50       | Biased              | 498.05     | 498.92      | 0.869  |
| 207      | 50       | Biased              | 497.68     | 496.8       | -0.879 |
| 208      | 50       | Biased              | 491.93     | 492.93      | 0.996  |
| 209      | 50       | Unbiased            | 497.93     | 501.67      | 3.742  |
| 210      | 50       | Unbiased            | 496.93     | 499.05      | 2.118  |
| 211      | 50       | Unbiased            | 495.56     | 495.93      | 0.37   |
| 212      | 50       | Unbiased            | 497.43     | 499.8       | 2.368  |
| 213      | 50       | Unbiased            | 495.68     | 497.92      | 2.244  |
| 214      | 50       | Unbiased            | 501.8      | 505.54      | 3.74   |
| 1200     | 0        | Correlation         | 498.18     | 497.87      | -0.306 |
| 1201     | 0        | Correlation         | 497.3      | 497.25      | -0.056 |
| 1202     | 0        | Correlation         | 496.8      | 496.62      | -0.182 |
| 1203     | 100      | Biased              | 501.8      | 503.12      | 1.32   |
| 1204     | 100      | Biased              | 495.93     | 498.12      | 2.193  |
| 1205     | 100      | Biased              | 498.68     | 500.5       | 1.818  |
| 1206     | 100      | Biased              | 498.05     | 498.12      | 0.069  |
| 1207     | 100      | Biased              | 497.68     | 497.25      | -0.431 |
| 1208     | 100      | Biased              | 491.93     | 493.62      | 1.691  |
| 1209     | 100      | Unbiased            | 497.93     | 501.5       | 3.568  |
| 1210     | 100      | Unbiased            | 496.93     | 498.87      | 1.943  |
| 1211     | 100      | Unbiased            | 495.56     | 495.5       | -0.057 |
| 1212     | 100      | Unbiased            | 497.43     | 499.12      | 1.694  |
| 1213     | 100      | Unbiased            | 495.68     | 498.37      | 2.693  |
| 1214     | 100      | Unbiased            | 501.8      | 506         | 4.194  |

TID vs Post - Pre Exposure Delta

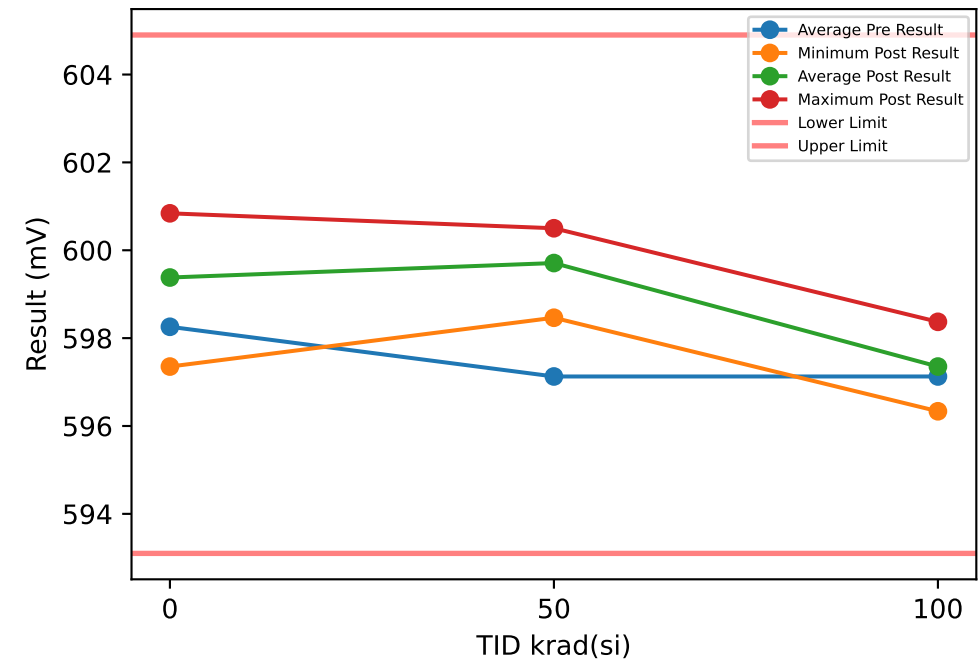


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 496.8            | 497.43           | 498.18           | 0.62209          | 496.62            | 497.23            | 497.87            | 0.50833           | -0.38     | -0.19717  | 0.12      | 0.19954   |
| 50       | 491.93           | 497.45           | 501.8            | 2.693            | 492.93            | 498.88            | 505.54            | 3.384             | -0.879    | 1.4313    | 3.742     | 1.4381    |
| 100      | 491.93           | 497.45           | 501.8            | 2.693            | 493.62            | 499.17            | 506               | 3.3061            | -0.431    | 1.7246    | 4.194     | 1.396     |

Device Test: 13.5 ; VTH\_SENSE

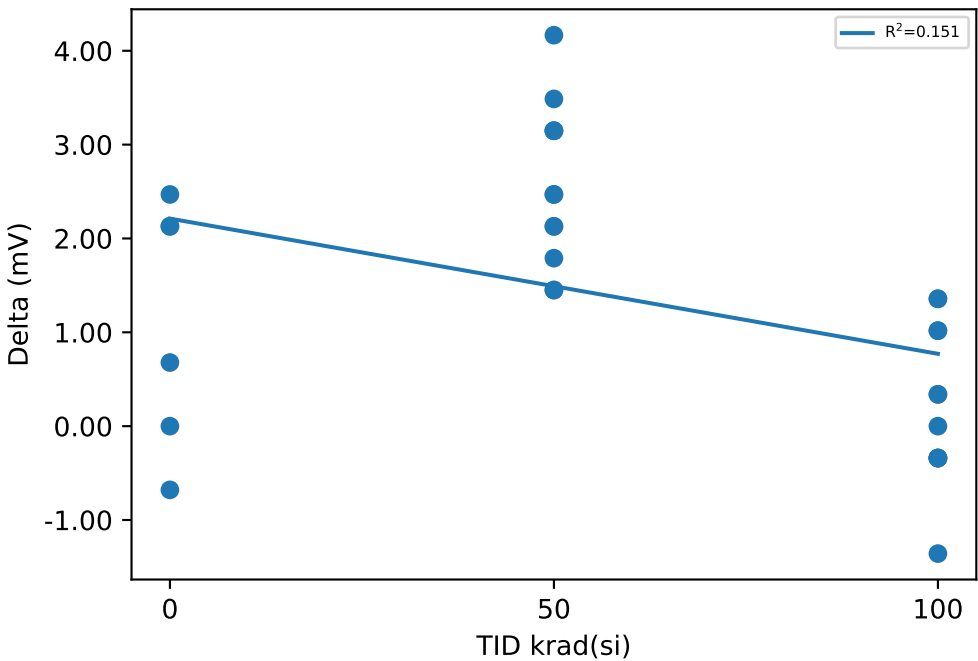
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 598.71     | 600.84      | 2.13   |
| 201      | 0        | Correlation         | 598.03     | 600.5       | 2.469  |
| 202      | 0        | Correlation         | 598.03     | 600.16      | 2.13   |
| 203      | 50       | Biased              | 596.34     | 600.5       | 4.166  |
| 204      | 50       | Biased              | 598.03     | 600.5       | 2.469  |
| 205      | 50       | Biased              | 597.01     | 598.46      | 1.45   |
| 206      | 50       | Biased              | 597.35     | 599.48      | 2.129  |
| 207      | 50       | Biased              | 596        | 599.14      | 3.147  |
| 208      | 50       | Biased              | 598.03     | 600.5       | 2.469  |
| 209      | 50       | Unbiased            | 596.34     | 599.48      | 3.148  |
| 210      | 50       | Unbiased            | 597.69     | 599.48      | 1.79   |
| 211      | 50       | Unbiased            | 597.01     | 600.16      | 3.148  |
| 212      | 50       | Unbiased            | 598.71     | 600.16      | 1.451  |
| 213      | 50       | Unbiased            | 596.67     | 598.8       | 2.129  |
| 214      | 50       | Unbiased            | 596.34     | 599.82      | 3.487  |
| 1200     | 0        | Correlation         | 598.71     | 599.39      | 0.678  |
| 1201     | 0        | Correlation         | 598.03     | 598.03      | 0      |
| 1202     | 0        | Correlation         | 598.03     | 597.35      | -0.679 |
| 1203     | 100      | Biased              | 596.34     | 597.69      | 1.357  |
| 1204     | 100      | Biased              | 598.03     | 597.69      | -0.34  |
| 1205     | 100      | Biased              | 597.01     | 597.35      | 0.339  |
| 1206     | 100      | Biased              | 597.35     | 598.37      | 1.017  |
| 1207     | 100      | Biased              | 596        | 596.34      | 0.339  |
| 1208     | 100      | Biased              | 598.03     | 597.69      | -0.34  |
| 1209     | 100      | Unbiased            | 596.34     | 597.69      | 1.357  |
| 1210     | 100      | Unbiased            | 597.69     | 597.35      | -0.34  |
| 1211     | 100      | Unbiased            | 597.01     | 597.01      | 0      |
| 1212     | 100      | Unbiased            | 598.71     | 597.35      | -1.358 |
| 1213     | 100      | Unbiased            | 596.67     | 596.34      | -0.34  |
| 1214     | 100      | Unbiased            | 596.34     | 597.35      | 1.018  |

TID vs Post - Pre Exposure Delta



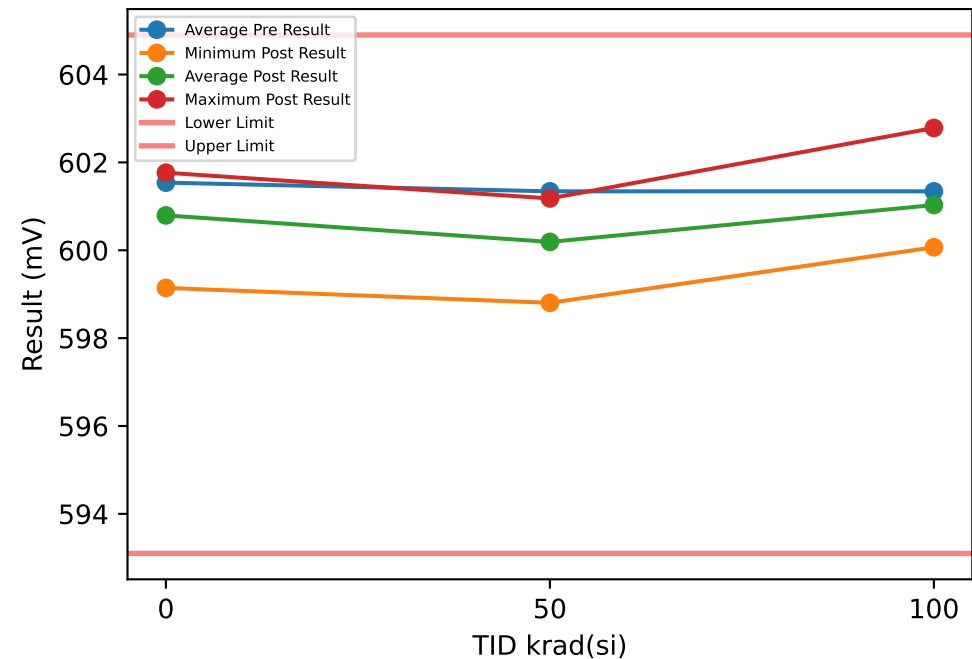
Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 598.03           | 598.26           | 598.71           | 0.35063          | 597.35            | 599.38            | 600.84            | 1.4092            | -0.679    | 1.1213    | 2.469     | 1.3074    |
| 50       | 596              | 597.13           | 598.71           | 0.84798          | 598.46            | 599.71            | 600.5             | 0.68408           | 1.45      | 2.5819    | 4.166     | 0.84809   |
| 100      | 596              | 597.13           | 598.71           | 0.84798          | 596.34            | 597.35            | 598.37            | 0.57868           | -1.358    | 0.22575   | 1.357     | 0.83548   |



Device Test: 13.6 ; VTH\_SENSE

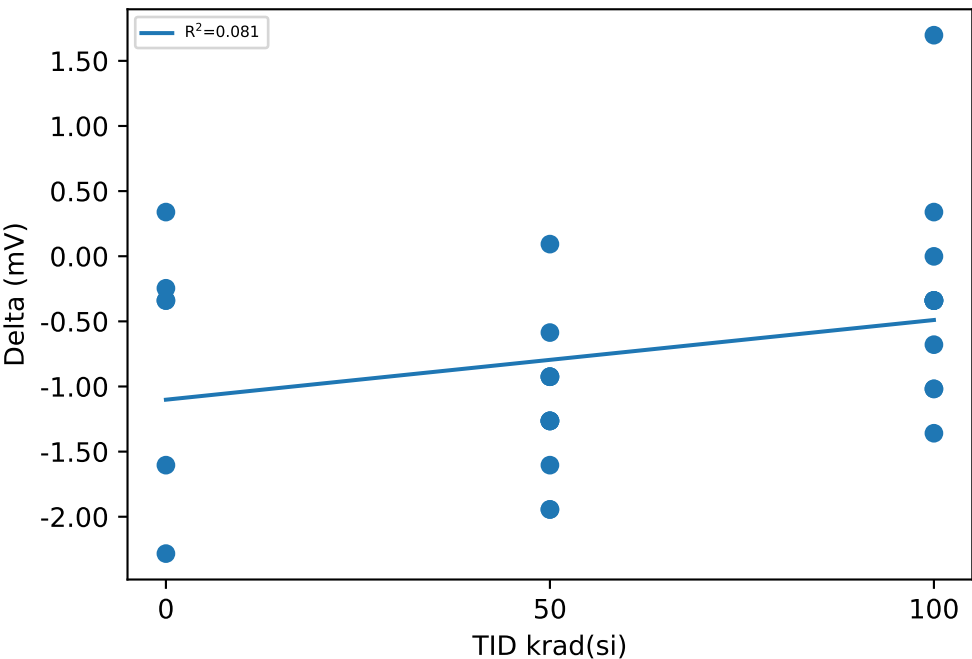
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 601.09     | 600.84      | -0.246 |
| 201      | 0        | Correlation         | 602.11     | 600.5       | -1.604 |
| 202      | 0        | Correlation         | 601.43     | 599.14      | -2.283 |
| 203      | 50       | Biased              | 601.43     | 600.16      | -1.264 |
| 204      | 50       | Biased              | 601.43     | 600.16      | -1.264 |
| 205      | 50       | Biased              | 600.75     | 598.8       | -1.944 |
| 206      | 50       | Biased              | 601.43     | 599.82      | -1.604 |
| 207      | 50       | Biased              | 601.09     | 600.16      | -0.925 |
| 208      | 50       | Biased              | 601.09     | 600.5       | -0.586 |
| 209      | 50       | Unbiased            | 601.43     | 600.5       | -0.925 |
| 210      | 50       | Unbiased            | 602.45     | 600.5       | -1.944 |
| 211      | 50       | Unbiased            | 601.43     | 600.5       | -0.925 |
| 212      | 50       | Unbiased            | 601.09     | 601.18      | 0.093  |
| 213      | 50       | Unbiased            | 601.09     | 599.82      | -1.265 |
| 214      | 50       | Unbiased            | 601.43     | 600.16      | -1.264 |
| 1200     | 0        | Correlation         | 601.09     | 601.43      | 0.339  |
| 1201     | 0        | Correlation         | 602.11     | 601.76      | -0.34  |
| 1202     | 0        | Correlation         | 601.43     | 601.09      | -0.34  |
| 1203     | 100      | Biased              | 601.43     | 601.09      | -0.34  |
| 1204     | 100      | Biased              | 601.43     | 601.09      | -0.34  |
| 1205     | 100      | Biased              | 600.75     | 600.41      | -0.34  |
| 1206     | 100      | Biased              | 601.43     | 600.75      | -0.679 |
| 1207     | 100      | Biased              | 601.09     | 601.09      | -0.001 |
| 1208     | 100      | Biased              | 601.09     | 602.78      | 1.697  |
| 1209     | 100      | Unbiased            | 601.43     | 601.09      | -0.34  |
| 1210     | 100      | Unbiased            | 602.45     | 601.09      | -1.359 |
| 1211     | 100      | Unbiased            | 601.43     | 601.09      | -0.34  |
| 1212     | 100      | Unbiased            | 601.09     | 601.43      | 0.339  |
| 1213     | 100      | Unbiased            | 601.09     | 600.07      | -1.019 |
| 1214     | 100      | Unbiased            | 601.43     | 600.41      | -1.018 |

TID vs Post - Pre Exposure Delta

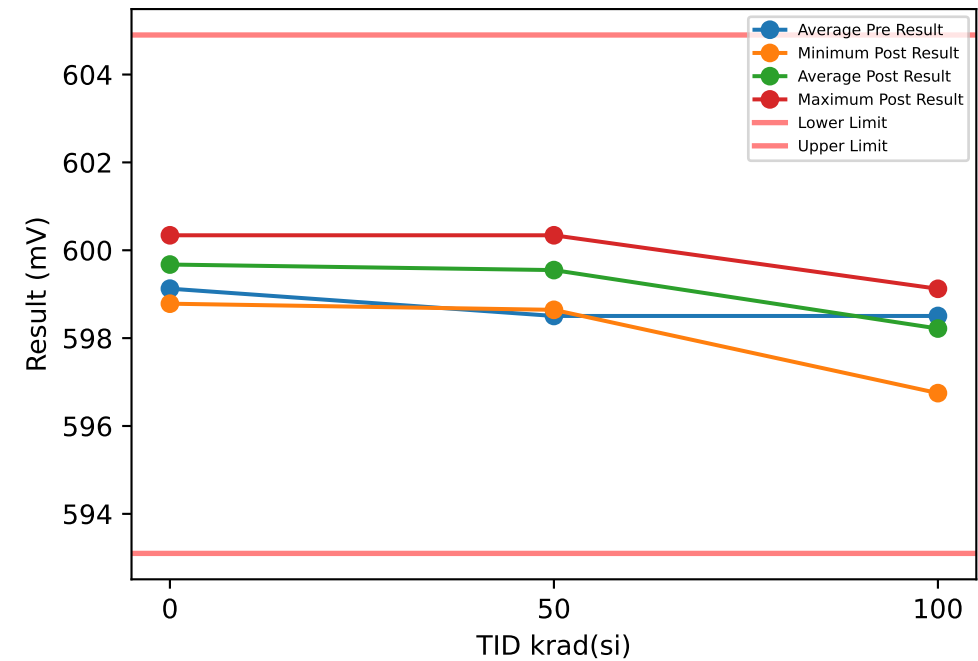


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 601.09           | 601.54           | 602.11           | 0.46365          | 599.14            | 600.79            | 601.76            | 0.92102           | -2.283    | -0.74567  | 0.339     | 0.98544   |
| 50       | 600.75           | 601.34           | 602.45           | 0.41252          | 598.8             | 600.19            | 601.18            | 0.56905           | -1.944    | -1.1514   | 0.093     | 0.56683   |
| 100      | 600.75           | 601.34           | 602.45           | 0.41252          | 600.07            | 601.03            | 602.78            | 0.67632           | -1.359    | -0.31167  | 1.697     | 0.78565   |

Device Test: 13.7 ; VTH\_SENSE

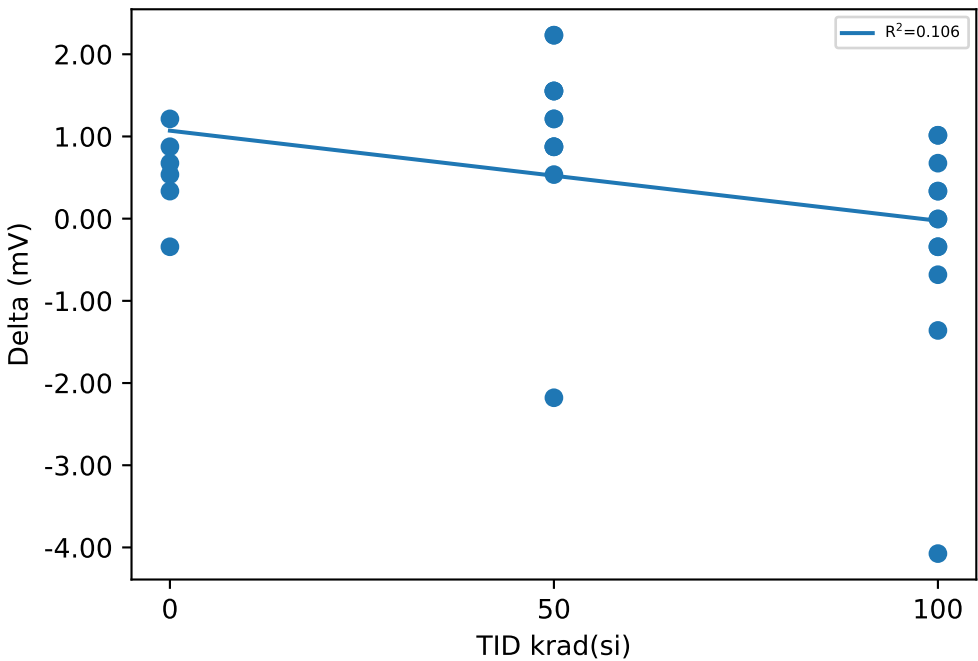
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 599.47     | 600.34      | 0.875  |
| 201      | 0        | Correlation         | 598.79     | 600         | 1.214  |
| 202      | 0        | Correlation         | 599.13     | 599.66      | 0.536  |
| 203      | 50       | Biased              | 598.11     | 598.98      | 0.874  |
| 204      | 50       | Biased              | 598.11     | 598.98      | 0.874  |
| 205      | 50       | Biased              | 597.77     | 598.98      | 1.214  |
| 206      | 50       | Biased              | 598.11     | 599.32      | 1.213  |
| 207      | 50       | Biased              | 600.82     | 598.64      | -2.179 |
| 208      | 50       | Biased              | 599.13     | 599.66      | 0.536  |
| 209      | 50       | Unbiased            | 597.77     | 600         | 2.232  |
| 210      | 50       | Unbiased            | 599.13     | 600         | 0.875  |
| 211      | 50       | Unbiased            | 598.45     | 600         | 1.553  |
| 212      | 50       | Unbiased            | 598.11     | 599.66      | 1.553  |
| 213      | 50       | Unbiased            | 598.11     | 600.34      | 2.232  |
| 214      | 50       | Unbiased            | 598.45     | 600         | 1.553  |
| 1200     | 0        | Correlation         | 599.47     | 599.8       | 0.335  |
| 1201     | 0        | Correlation         | 598.79     | 599.46      | 0.675  |
| 1202     | 0        | Correlation         | 599.13     | 598.78      | -0.342 |
| 1203     | 100      | Biased              | 598.11     | 598.11      | -0.004 |
| 1204     | 100      | Biased              | 598.11     | 597.43      | -0.682 |
| 1205     | 100      | Biased              | 597.77     | 597.43      | -0.342 |
| 1206     | 100      | Biased              | 598.11     | 598.44      | 0.335  |
| 1207     | 100      | Biased              | 600.82     | 596.75      | -4.075 |
| 1208     | 100      | Biased              | 599.13     | 598.78      | -0.342 |
| 1209     | 100      | Unbiased            | 597.77     | 598.78      | 1.015  |
| 1210     | 100      | Unbiased            | 599.13     | 597.77      | -1.36  |
| 1211     | 100      | Unbiased            | 598.45     | 598.44      | -0.004 |
| 1212     | 100      | Unbiased            | 598.11     | 598.44      | 0.335  |
| 1213     | 100      | Unbiased            | 598.11     | 599.12      | 1.014  |
| 1214     | 100      | Unbiased            | 598.45     | 599.12      | 0.675  |

TID vs Post - Pre Exposure Delta

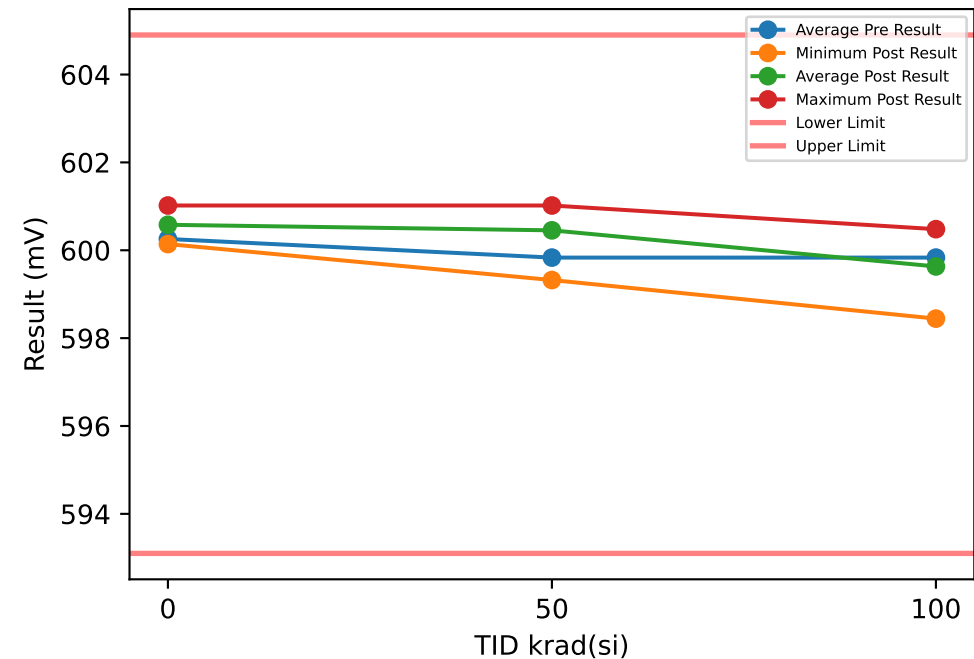


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 598.79           | 599.13           | 599.47           | 0.30366          | 598.78            | 599.68            | 600.34            | 0.53012           | -0.342    | 0.54883   | 1.214     | 0.52995   |
| 50       | 597.77           | 598.5            | 600.82           | 0.85378          | 598.64            | 599.55            | 600.34            | 0.54786           | -2.179    | 1.0442    | 2.232     | 1.1437    |
| 100      | 597.77           | 598.5            | 600.82           | 0.85378          | 596.75            | 598.22            | 599.12            | 0.74231           | -4.075    | -0.28625  | 1.015     | 1.3787    |

Device Test: 13.8 ; VTH\_SENSE

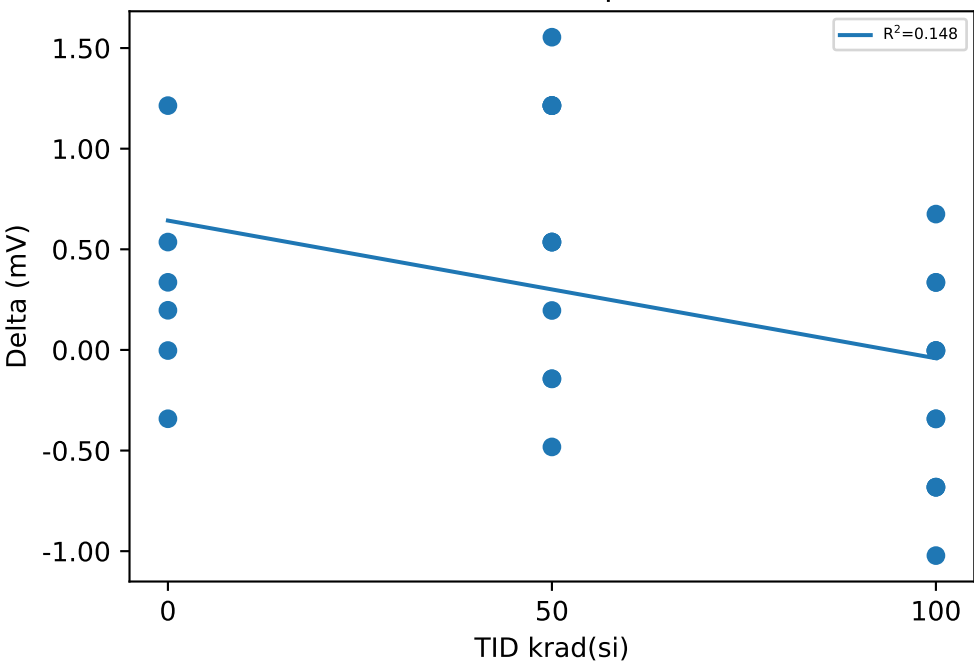
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 600.48     | 600.68      | 0.197  |
| 201      | 0        | Correlation         | 599.8      | 601.02      | 1.214  |
| 202      | 0        | Correlation         | 600.48     | 601.02      | 0.536  |
| 203      | 50       | Biased              | 599.13     | 600.34      | 1.215  |
| 204      | 50       | Biased              | 599.13     | 599.66      | 0.536  |
| 205      | 50       | Biased              | 599.13     | 600.68      | 1.554  |
| 206      | 50       | Biased              | 599.8      | 600.34      | 0.536  |
| 207      | 50       | Biased              | 599.47     | 599.32      | -0.144 |
| 208      | 50       | Biased              | 600.82     | 601.02      | 0.196  |
| 209      | 50       | Unbiased            | 599.47     | 600.68      | 1.214  |
| 210      | 50       | Unbiased            | 600.82     | 600.68      | -0.143 |
| 211      | 50       | Unbiased            | 600.48     | 601.02      | 0.536  |
| 212      | 50       | Unbiased            | 600.48     | 600         | -0.482 |
| 213      | 50       | Unbiased            | 599.8      | 601.02      | 1.214  |
| 214      | 50       | Unbiased            | 599.47     | 600.68      | 1.214  |
| 1200     | 0        | Correlation         | 600.48     | 600.14      | -0.342 |
| 1201     | 0        | Correlation         | 599.8      | 600.14      | 0.336  |
| 1202     | 0        | Correlation         | 600.48     | 600.48      | -0.003 |
| 1203     | 100      | Biased              | 599.13     | 599.12      | -0.003 |
| 1204     | 100      | Biased              | 599.13     | 599.12      | -0.003 |
| 1205     | 100      | Biased              | 599.13     | 599.46      | 0.336  |
| 1206     | 100      | Biased              | 599.8      | 599.8       | -0.004 |
| 1207     | 100      | Biased              | 599.47     | 598.44      | -1.022 |
| 1208     | 100      | Biased              | 600.82     | 600.14      | -0.682 |
| 1209     | 100      | Unbiased            | 599.47     | 600.14      | 0.675  |
| 1210     | 100      | Unbiased            | 600.82     | 600.48      | -0.343 |
| 1211     | 100      | Unbiased            | 600.48     | 600.14      | -0.342 |
| 1212     | 100      | Unbiased            | 600.48     | 599.8       | -0.682 |
| 1213     | 100      | Unbiased            | 599.8      | 599.12      | -0.682 |
| 1214     | 100      | Unbiased            | 599.47     | 599.8       | 0.335  |

TID vs Post - Pre Exposure Delta

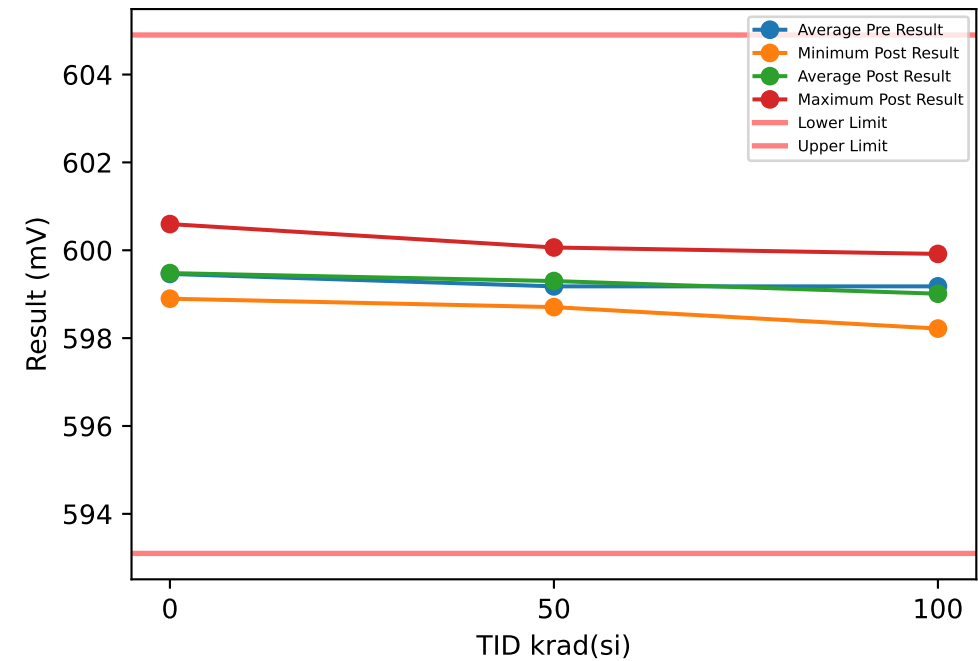


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 599.8            | 600.26           | 600.48           | 0.35012          | 600.14            | 600.58            | 601.02            | 0.39771           | -0.342    | 0.323     | 1.214     | 0.52987   |
| 50       | 599.13           | 599.83           | 600.82           | 0.65438          | 599.32            | 600.45            | 601.02            | 0.54784           | -0.482    | 0.6205    | 1.554     | 0.66511   |
| 100      | 599.13           | 599.83           | 600.82           | 0.65438          | 598.44            | 599.63            | 600.48            | 0.58772           | -1.022    | -0.20142  | 0.675     | 0.51065   |

Device Test: 13.9 ; VTH\_SENSE

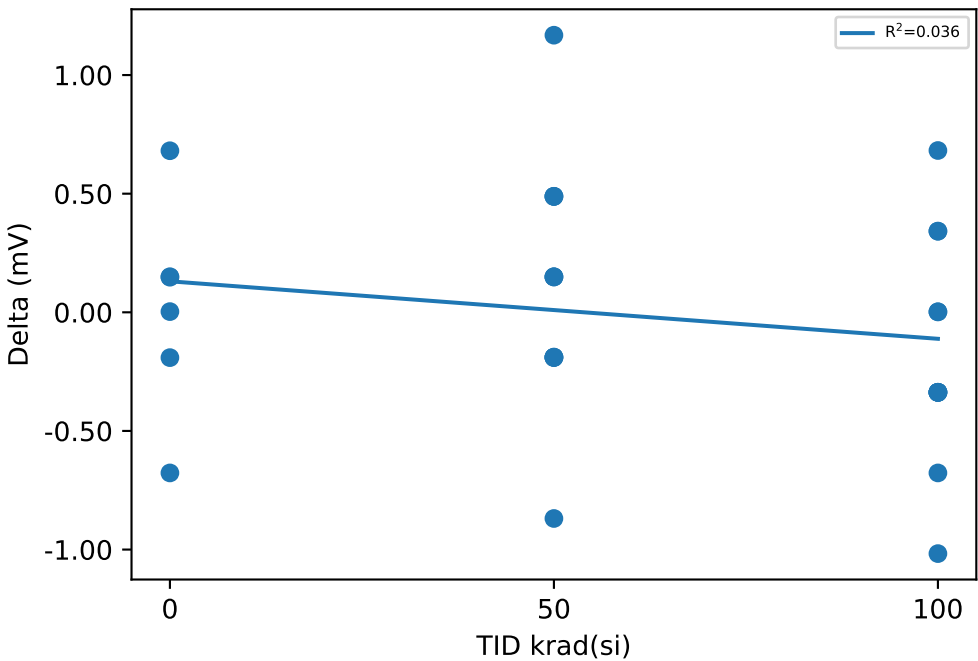
TID vs Result Stats



Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 599.91     | 600.06      | 0.148  |
| 201      | 0        | Correlation         | 599.58     | 599.38      | -0.191 |
| 202      | 0        | Correlation         | 598.89     | 599.04      | 0.15   |
| 203      | 50       | Biased              | 599.24     | 599.72      | 0.489  |
| 204      | 50       | Biased              | 598.89     | 598.71      | -0.189 |
| 205      | 50       | Biased              | 598.89     | 599.04      | 0.15   |
| 206      | 50       | Biased              | 599.58     | 598.71      | -0.869 |
| 207      | 50       | Biased              | 598.89     | 599.38      | 0.489  |
| 208      | 50       | Biased              | 599.58     | 600.06      | 0.488  |
| 209      | 50       | Unbiased            | 599.24     | 599.38      | 0.149  |
| 210      | 50       | Unbiased            | 599.24     | 599.38      | 0.149  |
| 211      | 50       | Unbiased            | 598.89     | 598.71      | -0.189 |
| 212      | 50       | Unbiased            | 599.58     | 599.38      | -0.191 |
| 213      | 50       | Unbiased            | 599.24     | 599.04      | -0.19  |
| 214      | 50       | Unbiased            | 598.89     | 600.06      | 1.168  |
| 1200     | 0        | Correlation         | 599.91     | 600.6       | 0.681  |
| 1201     | 0        | Correlation         | 599.58     | 598.9       | -0.677 |
| 1202     | 0        | Correlation         | 598.89     | 598.9       | 0.003  |
| 1203     | 100      | Biased              | 599.24     | 598.9       | -0.337 |
| 1204     | 100      | Biased              | 598.89     | 598.56      | -0.337 |
| 1205     | 100      | Biased              | 598.89     | 599.24      | 0.342  |
| 1206     | 100      | Biased              | 599.58     | 599.92      | 0.342  |
| 1207     | 100      | Biased              | 598.89     | 598.56      | -0.337 |
| 1208     | 100      | Biased              | 599.58     | 598.9       | -0.677 |
| 1209     | 100      | Unbiased            | 599.24     | 599.24      | 0.002  |
| 1210     | 100      | Unbiased            | 599.24     | 599.24      | 0.002  |
| 1211     | 100      | Unbiased            | 598.89     | 599.58      | 0.682  |
| 1212     | 100      | Unbiased            | 599.58     | 599.24      | -0.338 |
| 1213     | 100      | Unbiased            | 599.24     | 598.22      | -1.017 |
| 1214     | 100      | Unbiased            | 598.89     | 598.56      | -0.337 |

TID vs Post - Pre Exposure Delta

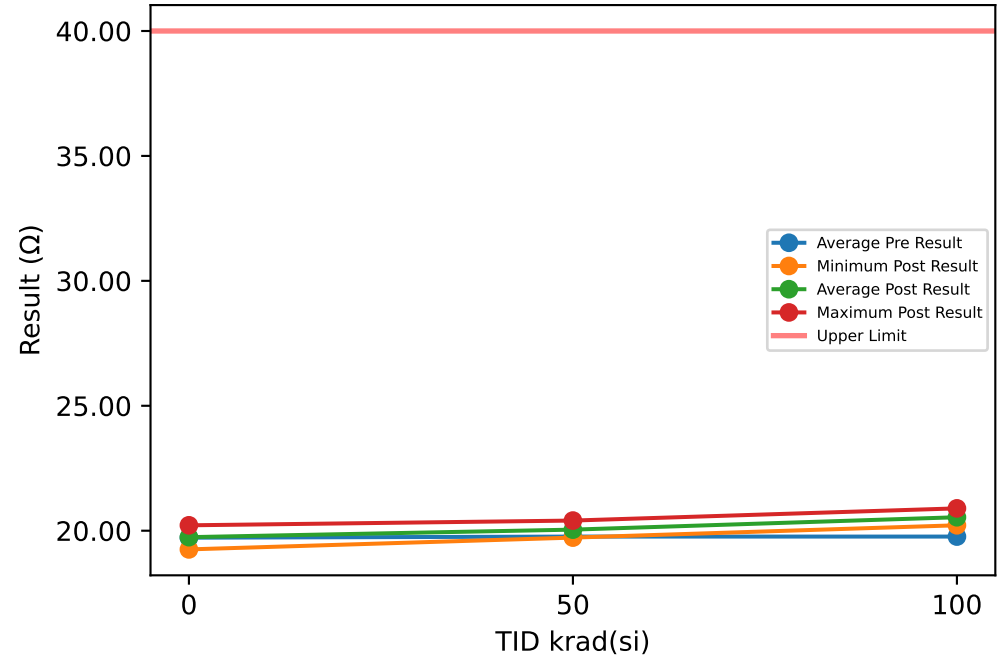


Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 598.89           | 599.46           | 599.91           | 0.46453          | 598.9             | 599.48            | 600.6             | 0.7016            | -0.677    | 0.019     | 0.681     | 0.4474    |
| 50       | 598.89           | 599.18           | 599.58           | 0.28385          | 598.71            | 599.3             | 600.06            | 0.4825            | -0.869    | 0.12117   | 1.168     | 0.51084   |
| 100      | 598.89           | 599.18           | 599.58           | 0.28385          | 598.22            | 599.01            | 599.92            | 0.48762           | -1.017    | -0.1675   | 0.682     | 0.46938   |

Device Test: 18.0 ; RESET\_RPMOS\_LOW\_V

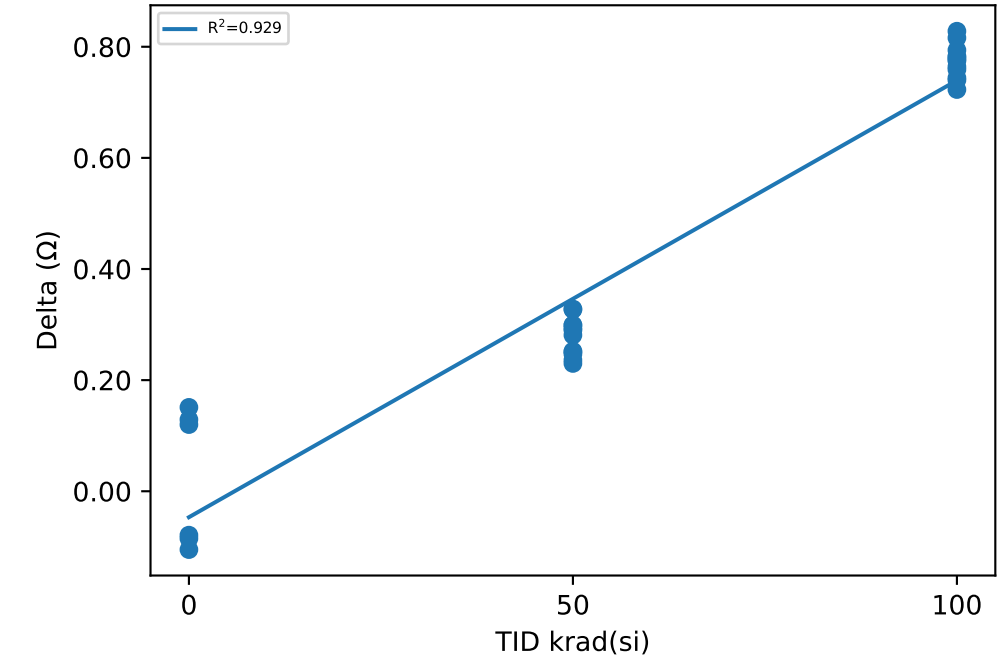
TID vs Result Stats



Test Results (Upper Limit = 40.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 19.736     | 19.657      | -0.079 |
| 201      | 0        | Correlation         | 19.337     | 19.252      | -0.085 |
| 202      | 0        | Correlation         | 20.087     | 19.982      | -0.105 |
| 203      | 50       | Biased              | 19.802     | 20.092      | 0.29   |
| 204      | 50       | Biased              | 19.508     | 19.789      | 0.281  |
| 205      | 50       | Biased              | 19.802     | 20.101      | 0.299  |
| 206      | 50       | Biased              | 19.869     | 20.168      | 0.299  |
| 207      | 50       | Biased              | 19.773     | 20.066      | 0.293  |
| 208      | 50       | Biased              | 19.566     | 19.893      | 0.327  |
| 209      | 50       | Unbiased            | 19.911     | 20.147      | 0.236  |
| 210      | 50       | Unbiased            | 19.649     | 19.901      | 0.252  |
| 211      | 50       | Unbiased            | 20.078     | 20.406      | 0.328  |
| 212      | 50       | Unbiased            | 19.473     | 19.724      | 0.251  |
| 213      | 50       | Unbiased            | 19.967     | 20.197      | 0.23   |
| 214      | 50       | Unbiased            | 19.787     | 20.034      | 0.247  |
| 1200     | 0        | Correlation         | 19.736     | 19.887      | 0.151  |
| 1201     | 0        | Correlation         | 19.337     | 19.457      | 0.12   |
| 1202     | 0        | Correlation         | 20.087     | 20.216      | 0.129  |
| 1203     | 100      | Biased              | 19.802     | 20.585      | 0.783  |
| 1204     | 100      | Biased              | 19.508     | 20.285      | 0.777  |
| 1205     | 100      | Biased              | 19.802     | 20.583      | 0.781  |
| 1206     | 100      | Biased              | 19.869     | 20.592      | 0.723  |
| 1207     | 100      | Biased              | 19.773     | 20.567      | 0.794  |
| 1208     | 100      | Biased              | 19.566     | 20.394      | 0.828  |
| 1209     | 100      | Unbiased            | 19.911     | 20.675      | 0.764  |
| 1210     | 100      | Unbiased            | 19.649     | 20.424      | 0.775  |
| 1211     | 100      | Unbiased            | 20.078     | 20.894      | 0.816  |
| 1212     | 100      | Unbiased            | 19.473     | 20.217      | 0.744  |
| 1213     | 100      | Unbiased            | 19.967     | 20.707      | 0.74   |
| 1214     | 100      | Unbiased            | 19.787     | 20.546      | 0.759  |

TID vs Post - Pre Exposure Delta



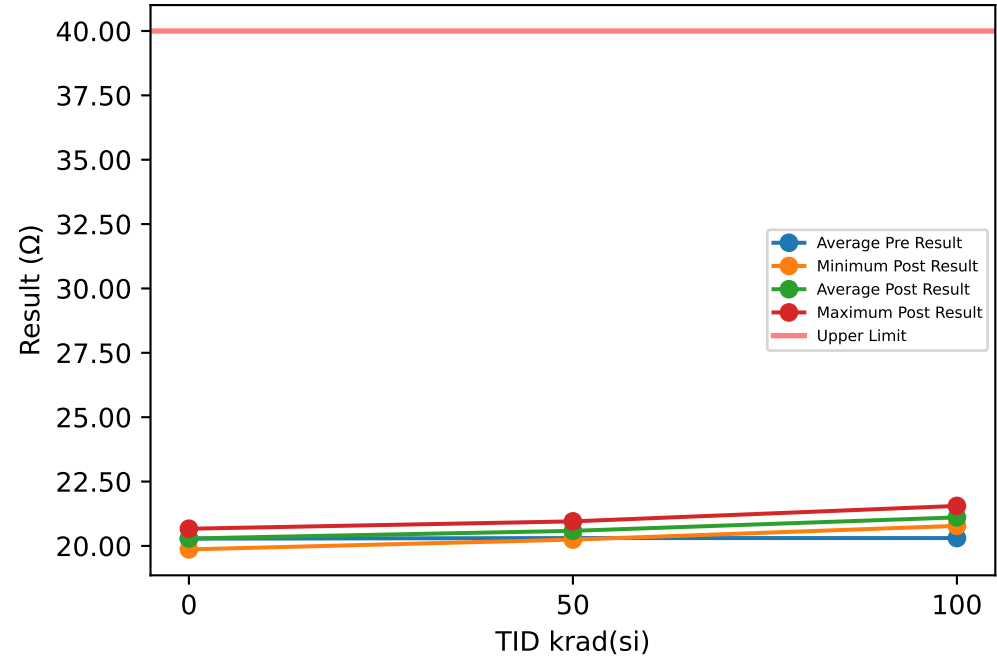
Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 19.337           | 19.72            | 20.087           | 0.33564          | 19.252            | 19.742            | 20.216            | 0.35549           | -0.105    | 0.021833  | 0.151     | 0.12286   |
| 50       | 19.473           | 19.765           | 20.078           | 0.18551          | 19.724            | 20.043            | 20.406            | 0.19003           | 0.23      | 0.27775   | 0.328     | 0.033837  |
| 100      | 19.473           | 19.765           | 20.078           | 0.18551          | 20.217            | 20.539            | 20.894            | 0.18657           | 0.723     | 0.77367   | 0.828     | 0.030452  |



Device Test: 18.1 ; RESET\_RPMOS\_LOW\_V

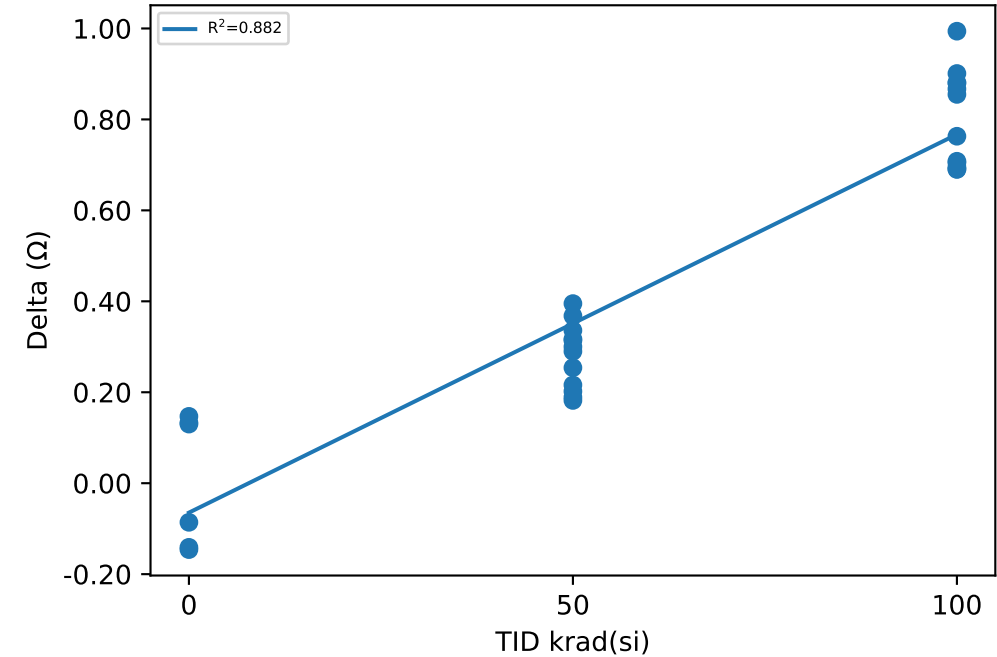
TID vs Result Stats



Test Results (Upper Limit = 40.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 20.361     | 20.215      | -0.146 |
| 201      | 0        | Correlation         | 19.951     | 19.865      | -0.086 |
| 202      | 0        | Correlation         | 20.534     | 20.393      | -0.141 |
| 203      | 50       | Biased              | 20.28      | 20.57       | 0.29   |
| 204      | 50       | Biased              | 20.089     | 20.406      | 0.317  |
| 205      | 50       | Biased              | 20.425     | 20.739      | 0.314  |
| 206      | 50       | Biased              | 20.489     | 20.825      | 0.336  |
| 207      | 50       | Biased              | 20.318     | 20.618      | 0.3    |
| 208      | 50       | Biased              | 20.046     | 20.414      | 0.368  |
| 209      | 50       | Unbiased            | 20.431     | 20.633      | 0.202  |
| 210      | 50       | Unbiased            | 20.228     | 20.444      | 0.216  |
| 211      | 50       | Unbiased            | 20.559     | 20.954      | 0.395  |
| 212      | 50       | Unbiased            | 19.991     | 20.245      | 0.254  |
| 213      | 50       | Unbiased            | 20.468     | 20.657      | 0.189  |
| 214      | 50       | Unbiased            | 20.337     | 20.519      | 0.182  |
| 1200     | 0        | Correlation         | 20.361     | 20.508      | 0.147  |
| 1201     | 0        | Correlation         | 19.951     | 20.081      | 0.13   |
| 1202     | 0        | Correlation         | 20.534     | 20.667      | 0.133  |
| 1203     | 100      | Biased              | 20.28      | 20.975      | 0.695  |
| 1204     | 100      | Biased              | 20.089     | 20.779      | 0.69   |
| 1205     | 100      | Biased              | 20.425     | 21.116      | 0.691  |
| 1206     | 100      | Biased              | 20.489     | 21.194      | 0.705  |
| 1207     | 100      | Biased              | 20.318     | 21.026      | 0.708  |
| 1208     | 100      | Biased              | 20.046     | 20.809      | 0.763  |
| 1209     | 100      | Unbiased            | 20.431     | 21.311      | 0.88   |
| 1210     | 100      | Unbiased            | 20.228     | 21.109      | 0.881  |
| 1211     | 100      | Unbiased            | 20.559     | 21.553      | 0.994  |
| 1212     | 100      | Unbiased            | 19.991     | 20.892      | 0.901  |
| 1213     | 100      | Unbiased            | 20.468     | 21.335      | 0.867  |
| 1214     | 100      | Unbiased            | 20.337     | 21.192      | 0.855  |

TID vs Post - Pre Exposure Delta

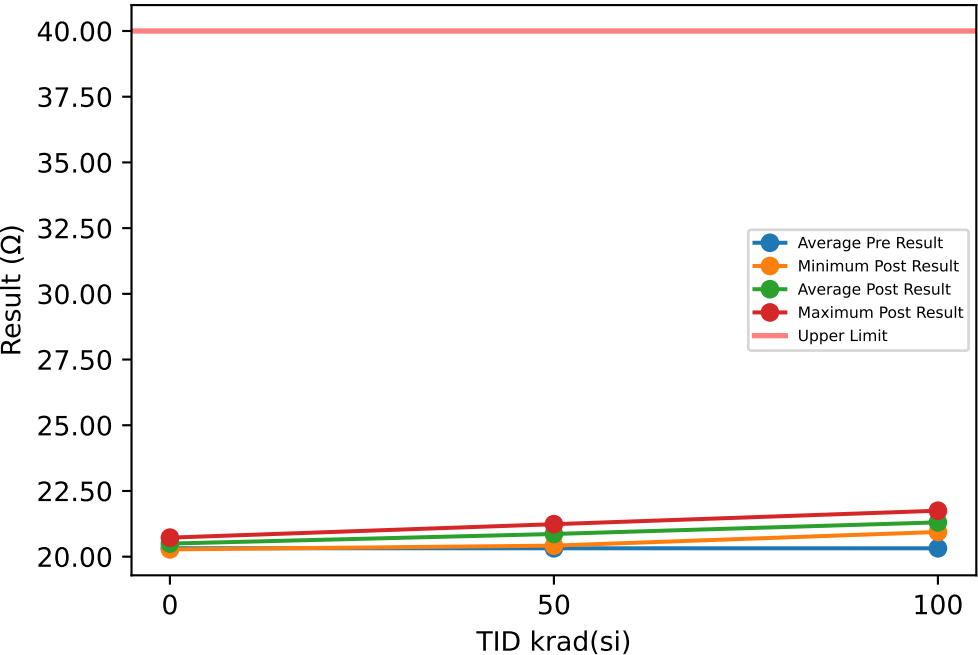


Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 19.951           | 20.282           | 20.534           | 0.26781          | 19.865            | 20.288            | 20.667            | 0.29332           | -0.146    | 0.0061667 | 0.147     | 0.14461   |
| 50       | 19.991           | 20.305           | 20.559           | 0.18471          | 20.245            | 20.585            | 20.954            | 0.19711           | 0.182     | 0.28025   | 0.395     | 0.071268  |
| 100      | 19.991           | 20.305           | 20.559           | 0.18471          | 20.779            | 21.108            | 21.553            | 0.22843           | 0.69      | 0.8025    | 0.994     | 0.10536   |

Device Test: 18.10 ; PWRGD\_RPMOS\_LOW\_V

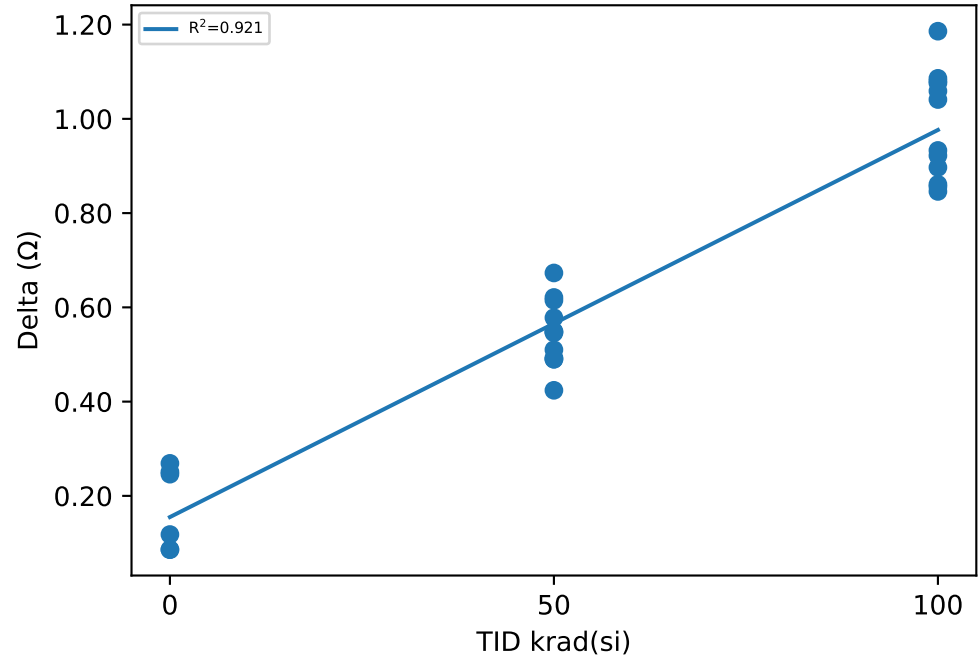
TID vs Result Stats



Test Results (Upper Limit = 40.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|----------|----------|---------------------|------------|-------------|-------|
| 200      | 0        | Correlation         | 20.319     | 20.405      | 0.086 |
| 201      | 0        | Correlation         | 20.191     | 20.277      | 0.086 |
| 202      | 0        | Correlation         | 20.455     | 20.573      | 0.118 |
| 203      | 50       | Biased              | 20.203     | 20.751      | 0.548 |
| 204      | 50       | Biased              | 20.195     | 20.744      | 0.549 |
| 205      | 50       | Biased              | 20.404     | 21.025      | 0.621 |
| 206      | 50       | Biased              | 20.563     | 21.178      | 0.615 |
| 207      | 50       | Biased              | 20.282     | 20.86       | 0.578 |
| 208      | 50       | Biased              | 20.079     | 20.625      | 0.546 |
| 209      | 50       | Unbiased            | 20.317     | 20.807      | 0.49  |
| 210      | 50       | Unbiased            | 20.309     | 20.802      | 0.493 |
| 211      | 50       | Unbiased            | 20.563     | 21.236      | 0.673 |
| 212      | 50       | Unbiased            | 19.996     | 20.42       | 0.424 |
| 213      | 50       | Unbiased            | 20.453     | 20.963      | 0.51  |
| 214      | 50       | Unbiased            | 20.461     | 20.951      | 0.49  |
| 1200     | 0        | Correlation         | 20.319     | 20.57       | 0.251 |
| 1201     | 0        | Correlation         | 20.191     | 20.437      | 0.246 |
| 1202     | 0        | Correlation         | 20.455     | 20.724      | 0.269 |
| 1203     | 100      | Biased              | 20.203     | 21.059      | 0.856 |
| 1204     | 100      | Biased              | 20.195     | 21.041      | 0.846 |
| 1205     | 100      | Biased              | 20.404     | 21.301      | 0.897 |
| 1206     | 100      | Biased              | 20.563     | 21.496      | 0.933 |
| 1207     | 100      | Biased              | 20.282     | 21.204      | 0.922 |
| 1208     | 100      | Biased              | 20.079     | 20.94       | 0.861 |
| 1209     | 100      | Unbiased            | 20.317     | 21.393      | 1.076 |
| 1210     | 100      | Unbiased            | 20.309     | 21.389      | 1.08  |
| 1211     | 100      | Unbiased            | 20.563     | 21.749      | 1.186 |
| 1212     | 100      | Unbiased            | 19.996     | 21.037      | 1.041 |
| 1213     | 100      | Unbiased            | 20.453     | 21.539      | 1.086 |
| 1214     | 100      | Unbiased            | 20.461     | 21.52       | 1.059 |

TID vs Post - Pre Exposure Delta

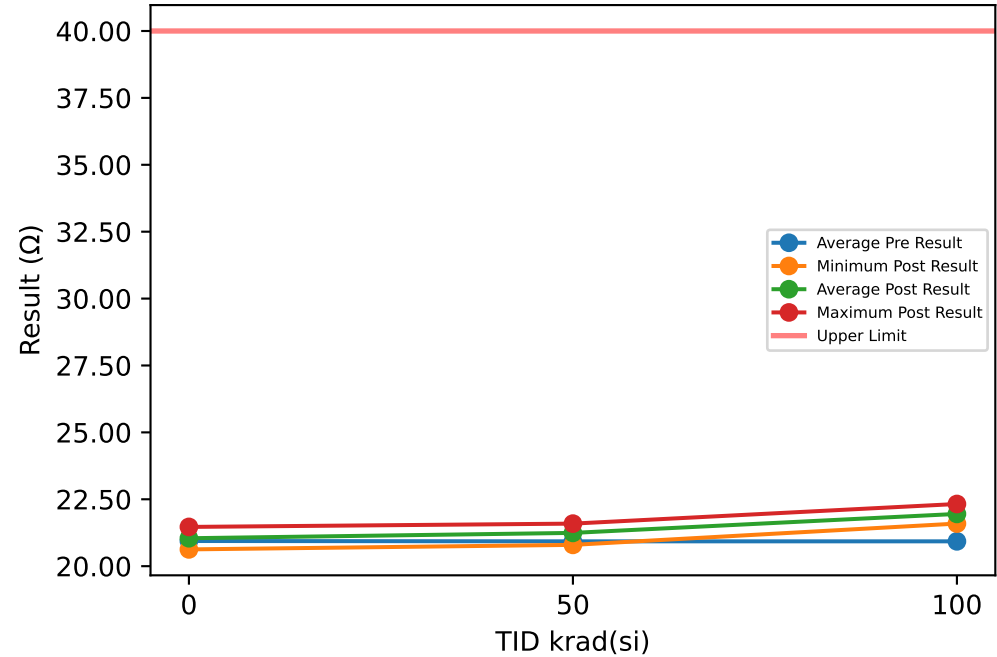


Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 20.191           | 20.322           | 20.455           | 0.11808          | 20.277            | 20.498            | 20.724            | 0.1569            | 0.086     | 0.176     | 0.269     | 0.08802   |
| 50       | 19.996           | 20.319           | 20.563           | 0.18006          | 20.42             | 20.863            | 21.236            | 0.2274            | 0.424     | 0.54475   | 0.673     | 0.069278  |
| 100      | 19.996           | 20.319           | 20.563           | 0.18006          | 20.94             | 21.306            | 21.749            | 0.25134           | 0.846     | 0.98692   | 1.186     | 0.11371   |

Device Test: 18.11 ; WDO\_RPMOS\_LOW\_V

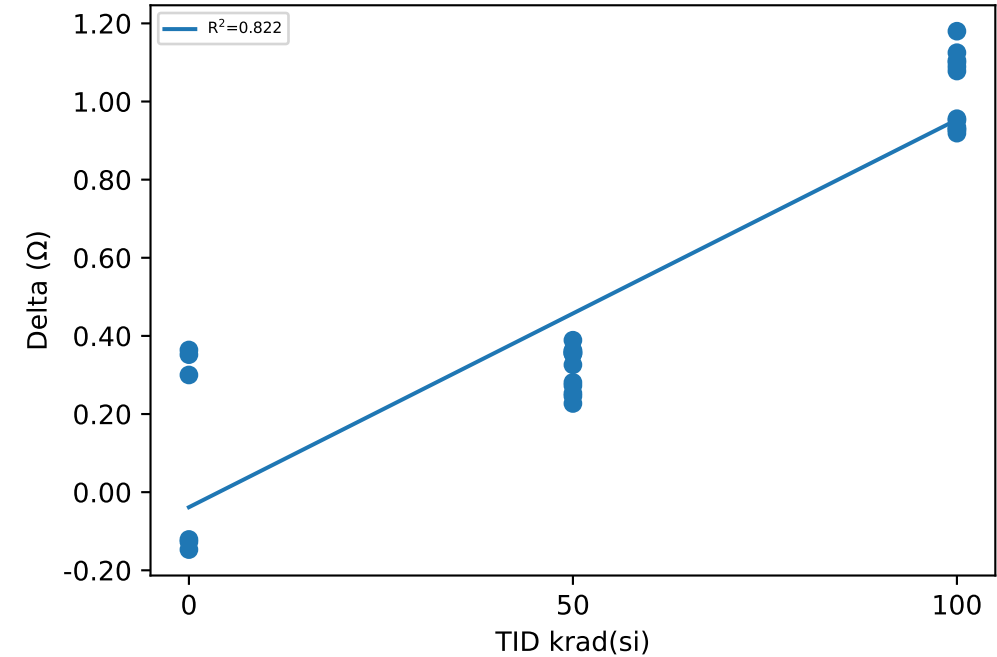
TID vs Result Stats



Test Results (Upper Limit = 40.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 20.945     | 20.818      | -0.127 |
| 201      | 0        | Correlation         | 20.774     | 20.627      | -0.147 |
| 202      | 0        | Correlation         | 21.103     | 20.982      | -0.121 |
| 203      | 50       | Biased              | 20.772     | 21.128      | 0.356  |
| 204      | 50       | Biased              | 20.712     | 21.075      | 0.363  |
| 205      | 50       | Biased              | 21.025     | 21.386      | 0.361  |
| 206      | 50       | Biased              | 21.264     | 21.59       | 0.326  |
| 207      | 50       | Biased              | 20.976     | 21.33       | 0.354  |
| 208      | 50       | Biased              | 20.64      | 20.996      | 0.356  |
| 209      | 50       | Unbiased            | 20.922     | 21.203      | 0.281  |
| 210      | 50       | Unbiased            | 20.936     | 21.209      | 0.273  |
| 211      | 50       | Unbiased            | 21.144     | 21.533      | 0.389  |
| 212      | 50       | Unbiased            | 20.569     | 20.796      | 0.227  |
| 213      | 50       | Unbiased            | 21.117     | 21.37       | 0.253  |
| 214      | 50       | Unbiased            | 21.061     | 21.307      | 0.246  |
| 1200     | 0        | Correlation         | 20.945     | 21.297      | 0.352  |
| 1201     | 0        | Correlation         | 20.774     | 21.074      | 0.3    |
| 1202     | 0        | Correlation         | 21.103     | 21.467      | 0.364  |
| 1203     | 100      | Biased              | 20.772     | 21.701      | 0.929  |
| 1204     | 100      | Biased              | 20.712     | 21.631      | 0.919  |
| 1205     | 100      | Biased              | 21.025     | 21.959      | 0.934  |
| 1206     | 100      | Biased              | 21.264     | 22.191      | 0.927  |
| 1207     | 100      | Biased              | 20.976     | 21.932      | 0.956  |
| 1208     | 100      | Biased              | 20.64      | 21.592      | 0.952  |
| 1209     | 100      | Unbiased            | 20.922     | 22.047      | 1.125  |
| 1210     | 100      | Unbiased            | 20.936     | 22.036      | 1.1    |
| 1211     | 100      | Unbiased            | 21.144     | 22.324      | 1.18   |
| 1212     | 100      | Unbiased            | 20.569     | 21.674      | 1.105  |
| 1213     | 100      | Unbiased            | 21.117     | 22.206      | 1.089  |
| 1214     | 100      | Unbiased            | 21.061     | 22.139      | 1.078  |

TID vs Post - Pre Exposure Delta

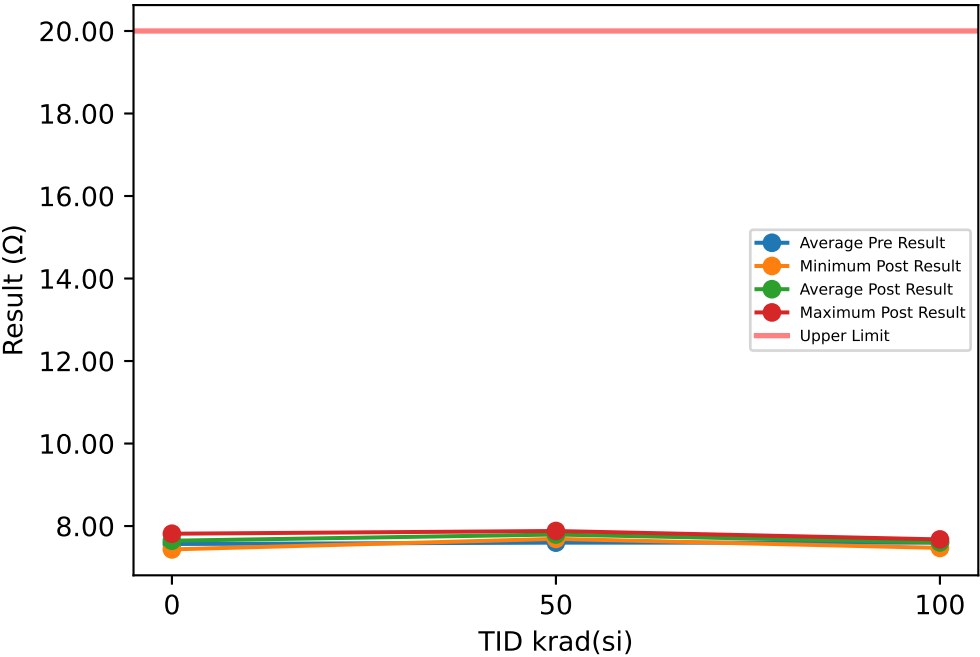


Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 20.774           | 20.941           | 21.103           | 0.14717          | 20.627            | 21.044            | 21.467            | 0.30746           | -0.147    | 0.1035    | 0.364     | 0.25865   |
| 50       | 20.569           | 20.928           | 21.264           | 0.21481          | 20.796            | 21.244            | 21.59             | 0.22518           | 0.227     | 0.31542   | 0.389     | 0.055732  |
| 100      | 20.569           | 20.928           | 21.264           | 0.21481          | 21.592            | 21.953            | 22.324            | 0.24944           | 0.919     | 1.0245    | 1.18      | 0.096001  |

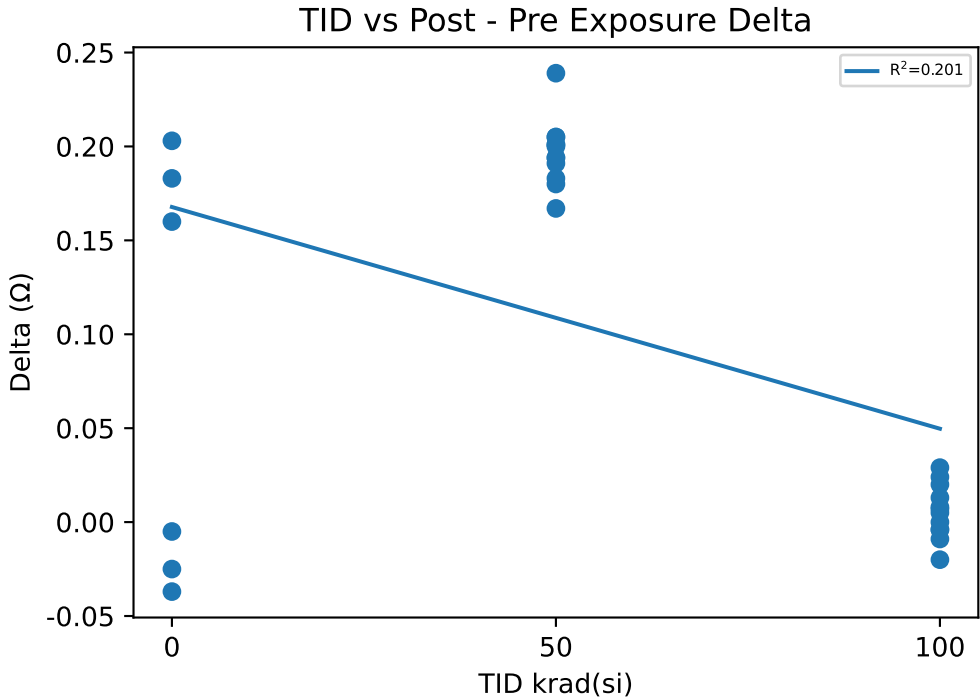
Device Test: 18.12 ; RESET\_RPMOS\_HIGH\_V

TID vs Result Stats



Test Results (Upper Limit = 20.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 7.569      | 7.752       | 0.183  |
| 201      | 0        | Correlation         | 7.471      | 7.674       | 0.203  |
| 202      | 0        | Correlation         | 7.654      | 7.814       | 0.16   |
| 203      | 50       | Biased              | 7.596      | 7.763       | 0.167  |
| 204      | 50       | Biased              | 7.62       | 7.811       | 0.191  |
| 205      | 50       | Biased              | 7.622      | 7.816       | 0.194  |
| 206      | 50       | Biased              | 7.659      | 7.839       | 0.18   |
| 207      | 50       | Biased              | 7.617      | 7.8         | 0.183  |
| 208      | 50       | Biased              | 7.568      | 7.769       | 0.201  |
| 209      | 50       | Unbiased            | 7.595      | 7.8         | 0.205  |
| 210      | 50       | Unbiased            | 7.593      | 7.798       | 0.205  |
| 211      | 50       | Unbiased            | 7.68       | 7.88        | 0.2    |
| 212      | 50       | Unbiased            | 7.45       | 7.689       | 0.239  |
| 213      | 50       | Unbiased            | 7.624      | 7.818       | 0.194  |
| 214      | 50       | Unbiased            | 7.55       | 7.751       | 0.201  |
| 1200     | 0        | Correlation         | 7.569      | 7.564       | -0.005 |
| 1201     | 0        | Correlation         | 7.471      | 7.434       | -0.037 |
| 1202     | 0        | Correlation         | 7.654      | 7.629       | -0.025 |
| 1203     | 100      | Biased              | 7.596      | 7.587       | -0.009 |
| 1204     | 100      | Biased              | 7.62       | 7.616       | -0.004 |
| 1205     | 100      | Biased              | 7.622      | 7.622       | 0      |
| 1206     | 100      | Biased              | 7.659      | 7.639       | -0.02  |
| 1207     | 100      | Biased              | 7.617      | 7.625       | 0.008  |
| 1208     | 100      | Biased              | 7.568      | 7.573       | 0.005  |
| 1209     | 100      | Unbiased            | 7.595      | 7.619       | 0.024  |
| 1210     | 100      | Unbiased            | 7.593      | 7.606       | 0.013  |
| 1211     | 100      | Unbiased            | 7.68       | 7.676       | -0.004 |
| 1212     | 100      | Unbiased            | 7.45       | 7.47        | 0.02   |
| 1213     | 100      | Unbiased            | 7.624      | 7.631       | 0.007  |
| 1214     | 100      | Unbiased            | 7.55       | 7.579       | 0.029  |

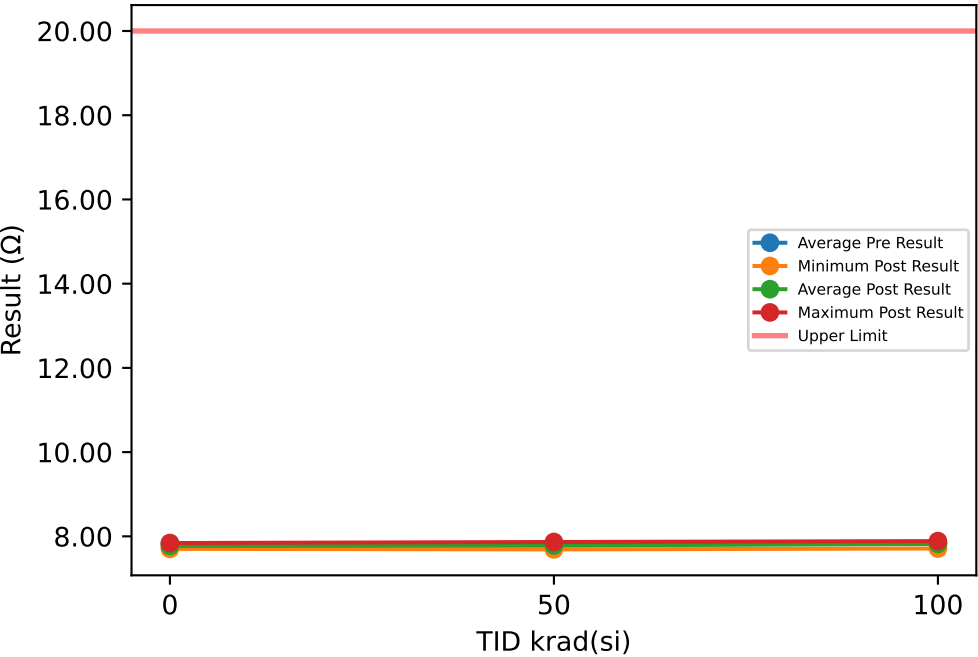


Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 7.471            | 7.5647           | 7.654            | 0.081909         | 7.434             | 7.6445            | 7.814             | 0.13578           | -0.037    | 0.079833  | 0.203     | 0.1132    |
| 50       | 7.45             | 7.5978           | 7.68             | 0.058533         | 7.689             | 7.7945            | 7.88              | 0.047973          | 0.167     | 0.19667   | 0.239     | 0.017505  |
| 100      | 7.45             | 7.5978           | 7.68             | 0.058533         | 7.47              | 7.6036            | 7.676             | 0.050547          | -0.02     | 0.00575   | 0.029     | 0.014271  |

Device Test: 18.13 ; RESET\_RPMOS\_HIGH\_V

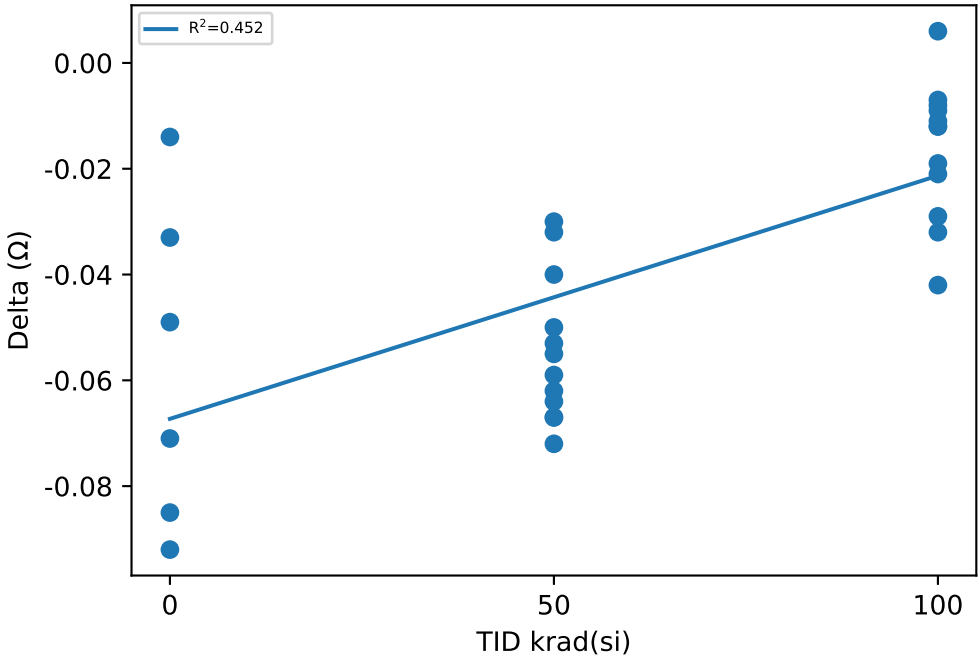
TID vs Result Stats



Test Results (Upper Limit = 20.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 7.846      | 7.754       | -0.092 |
| 201      | 0        | Correlation         | 7.788      | 7.703       | -0.085 |
| 202      | 0        | Correlation         | 7.855      | 7.784       | -0.071 |
| 203      | 50       | Biased              | 7.826      | 7.754       | -0.072 |
| 204      | 50       | Biased              | 7.873      | 7.811       | -0.062 |
| 205      | 50       | Biased              | 7.87       | 7.838       | -0.032 |
| 206      | 50       | Biased              | 7.891      | 7.841       | -0.05  |
| 207      | 50       | Biased              | 7.846      | 7.779       | -0.067 |
| 208      | 50       | Biased              | 7.798      | 7.743       | -0.055 |
| 209      | 50       | Unbiased            | 7.827      | 7.76        | -0.067 |
| 210      | 50       | Unbiased            | 7.834      | 7.775       | -0.059 |
| 211      | 50       | Unbiased            | 7.896      | 7.866       | -0.03  |
| 212      | 50       | Unbiased            | 7.73       | 7.69        | -0.04  |
| 213      | 50       | Unbiased            | 7.854      | 7.79        | -0.064 |
| 214      | 50       | Unbiased            | 7.782      | 7.729       | -0.053 |
| 1200     | 0        | Correlation         | 7.846      | 7.813       | -0.033 |
| 1201     | 0        | Correlation         | 7.788      | 7.739       | -0.049 |
| 1202     | 0        | Correlation         | 7.855      | 7.841       | -0.014 |
| 1203     | 100      | Biased              | 7.826      | 7.794       | -0.032 |
| 1204     | 100      | Biased              | 7.873      | 7.844       | -0.029 |
| 1205     | 100      | Biased              | 7.87       | 7.849       | -0.021 |
| 1206     | 100      | Biased              | 7.891      | 7.849       | -0.042 |
| 1207     | 100      | Biased              | 7.846      | 7.834       | -0.012 |
| 1208     | 100      | Biased              | 7.798      | 7.787       | -0.011 |
| 1209     | 100      | Unbiased            | 7.827      | 7.815       | -0.012 |
| 1210     | 100      | Unbiased            | 7.834      | 7.827       | -0.007 |
| 1211     | 100      | Unbiased            | 7.896      | 7.887       | -0.009 |
| 1212     | 100      | Unbiased            | 7.73       | 7.711       | -0.019 |
| 1213     | 100      | Unbiased            | 7.854      | 7.846       | -0.008 |
| 1214     | 100      | Unbiased            | 7.782      | 7.788       | 0.006  |

TID vs Post - Pre Exposure Delta



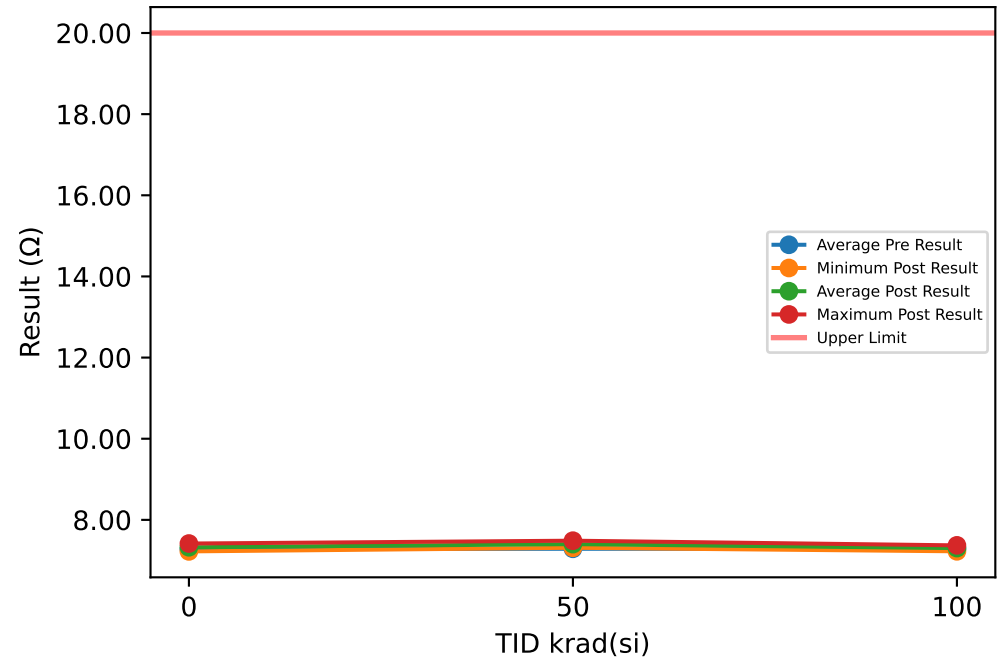
Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 7.788            | 7.8297           | 7.855            | 0.032525         | 7.703             | 7.7723            | 7.841             | 0.050516          | -0.092    | -0.057333 | -0.014    | 0.030638  |
| 50       | 7.73             | 7.8356           | 7.896            | 0.048008         | 7.69              | 7.7813            | 7.866             | 0.051073          | -0.072    | -0.05425  | -0.03     | 0.013897  |
| 100      | 7.73             | 7.8356           | 7.896            | 0.048008         | 7.711             | 7.8193            | 7.887             | 0.045082          | -0.042    | -0.016333 | 0.006     | 0.013034  |



Device Test: 18.14 ; RESET\_RPMOS\_HIGH\_V

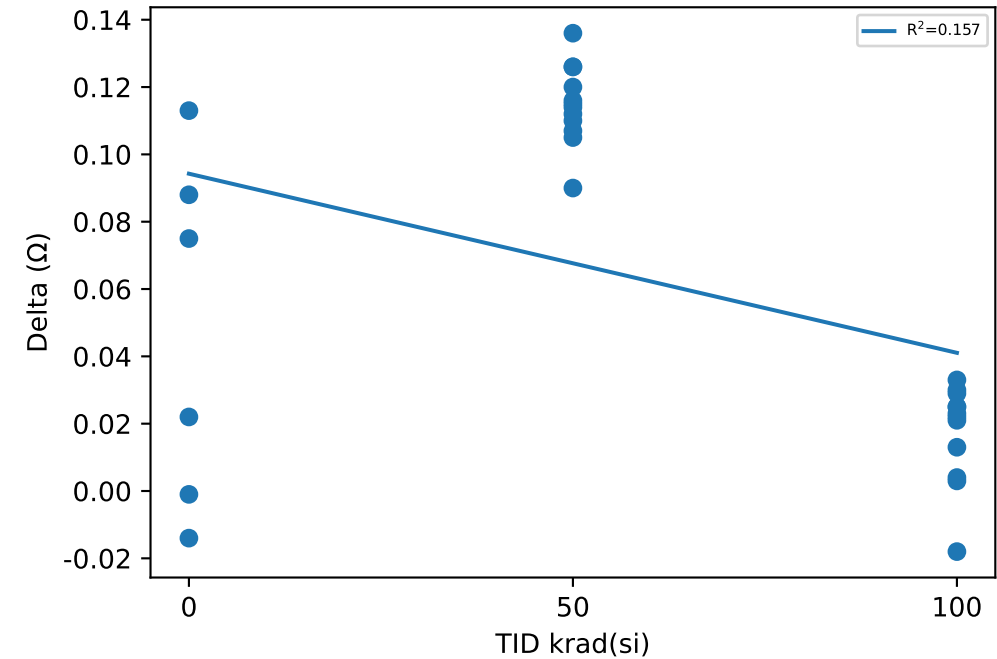
TID vs Result Stats



Test Results (Upper Limit = 20.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 7.293      | 7.368       | 0.075  |
| 201      | 0        | Correlation         | 7.237      | 7.325       | 0.088  |
| 202      | 0        | Correlation         | 7.304      | 7.417       | 0.113  |
| 203      | 50       | Biased              | 7.282      | 7.372       | 0.09   |
| 204      | 50       | Biased              | 7.299      | 7.413       | 0.114  |
| 205      | 50       | Biased              | 7.297      | 7.423       | 0.126  |
| 206      | 50       | Biased              | 7.363      | 7.478       | 0.115  |
| 207      | 50       | Biased              | 7.284      | 7.389       | 0.105  |
| 208      | 50       | Biased              | 7.234      | 7.346       | 0.112  |
| 209      | 50       | Unbiased            | 7.284      | 7.394       | 0.11   |
| 210      | 50       | Unbiased            | 7.299      | 7.406       | 0.107  |
| 211      | 50       | Unbiased            | 7.351      | 7.487       | 0.136  |
| 212      | 50       | Unbiased            | 7.196      | 7.312       | 0.116  |
| 213      | 50       | Unbiased            | 7.302      | 7.422       | 0.12   |
| 214      | 50       | Unbiased            | 7.254      | 7.38        | 0.126  |
| 1200     | 0        | Correlation         | 7.293      | 7.292       | -0.001 |
| 1201     | 0        | Correlation         | 7.237      | 7.223       | -0.014 |
| 1202     | 0        | Correlation         | 7.304      | 7.326       | 0.022  |
| 1203     | 100      | Biased              | 7.282      | 7.286       | 0.004  |
| 1204     | 100      | Biased              | 7.299      | 7.302       | 0.003  |
| 1205     | 100      | Biased              | 7.297      | 7.322       | 0.025  |
| 1206     | 100      | Biased              | 7.363      | 7.345       | -0.018 |
| 1207     | 100      | Biased              | 7.284      | 7.297       | 0.013  |
| 1208     | 100      | Biased              | 7.234      | 7.259       | 0.025  |
| 1209     | 100      | Unbiased            | 7.284      | 7.307       | 0.023  |
| 1210     | 100      | Unbiased            | 7.299      | 7.321       | 0.022  |
| 1211     | 100      | Unbiased            | 7.351      | 7.372       | 0.021  |
| 1212     | 100      | Unbiased            | 7.196      | 7.225       | 0.029  |
| 1213     | 100      | Unbiased            | 7.302      | 7.332       | 0.03   |
| 1214     | 100      | Unbiased            | 7.254      | 7.287       | 0.033  |

TID vs Post - Pre Exposure Delta

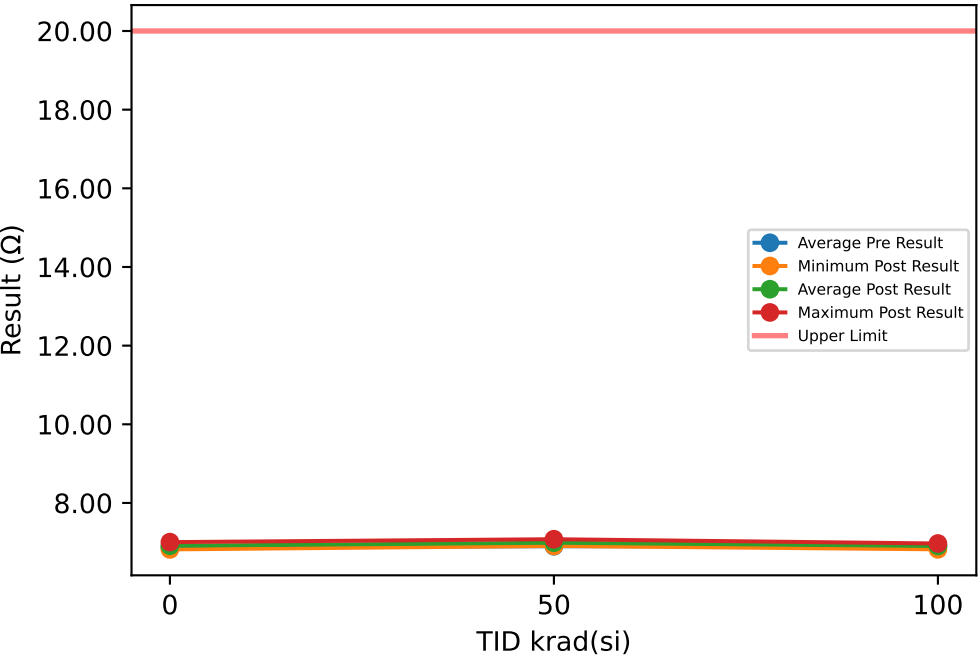


Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 7.237            | 7.278            | 7.304            | 0.032137         | 7.223             | 7.3252            | 7.417             | 0.066041          | -0.014    | 0.047167  | 0.113     | 0.051905  |
| 50       | 7.196            | 7.2871           | 7.363            | 0.045434         | 7.312             | 7.4018            | 7.487             | 0.049389          | 0.09      | 0.11475   | 0.136     | 0.011802  |
| 100      | 7.196            | 7.2871           | 7.363            | 0.045434         | 7.225             | 7.3046            | 7.372             | 0.038893          | -0.018    | 0.0175    | 0.033     | 0.0147    |

Device Test: 18.15 ; RESET\_RPMOS\_HIGH\_V

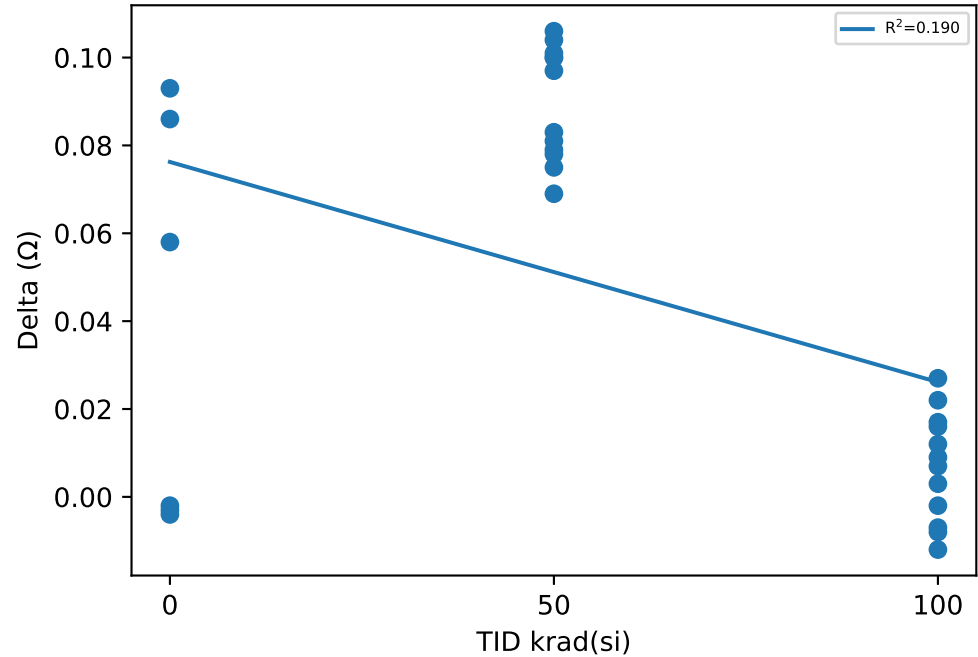
TID vs Result Stats



Test Results (Upper Limit = 20.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 6.889      | 6.947       | 0.058  |
| 201      | 0        | Correlation         | 6.821      | 6.907       | 0.086  |
| 202      | 0        | Correlation         | 6.911      | 7.004       | 0.093  |
| 203      | 50       | Biased              | 6.893      | 6.962       | 0.069  |
| 204      | 50       | Biased              | 6.91       | 6.993       | 0.083  |
| 205      | 50       | Biased              | 6.917      | 7.023       | 0.106  |
| 206      | 50       | Biased              | 6.981      | 7.078       | 0.097  |
| 207      | 50       | Biased              | 6.893      | 6.968       | 0.075  |
| 208      | 50       | Biased              | 6.858      | 6.936       | 0.078  |
| 209      | 50       | Unbiased            | 6.87       | 6.97        | 0.1    |
| 210      | 50       | Unbiased            | 6.892      | 6.971       | 0.079  |
| 211      | 50       | Unbiased            | 6.961      | 7.065       | 0.104  |
| 212      | 50       | Unbiased            | 6.805      | 6.906       | 0.101  |
| 213      | 50       | Unbiased            | 6.923      | 7.004       | 0.081  |
| 214      | 50       | Unbiased            | 6.887      | 6.987       | 0.1    |
| 1200     | 0        | Correlation         | 6.889      | 6.886       | -0.003 |
| 1201     | 0        | Correlation         | 6.821      | 6.819       | -0.002 |
| 1202     | 0        | Correlation         | 6.911      | 6.907       | -0.004 |
| 1203     | 100      | Biased              | 6.893      | 6.886       | -0.007 |
| 1204     | 100      | Biased              | 6.91       | 6.908       | -0.002 |
| 1205     | 100      | Biased              | 6.917      | 6.939       | 0.022  |
| 1206     | 100      | Biased              | 6.981      | 6.969       | -0.012 |
| 1207     | 100      | Biased              | 6.893      | 6.885       | -0.008 |
| 1208     | 100      | Biased              | 6.858      | 6.87        | 0.012  |
| 1209     | 100      | Unbiased            | 6.87       | 6.887       | 0.017  |
| 1210     | 100      | Unbiased            | 6.892      | 6.899       | 0.007  |
| 1211     | 100      | Unbiased            | 6.961      | 6.964       | 0.003  |
| 1212     | 100      | Unbiased            | 6.805      | 6.821       | 0.016  |
| 1213     | 100      | Unbiased            | 6.923      | 6.932       | 0.009  |
| 1214     | 100      | Unbiased            | 6.887      | 6.914       | 0.027  |

TID vs Post - Pre Exposure Delta

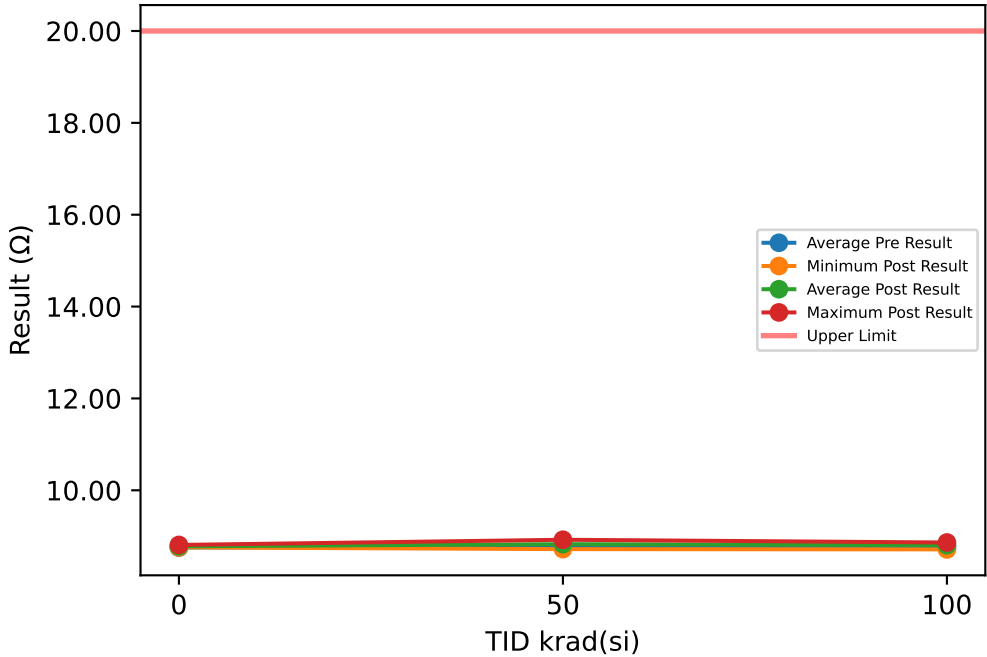


Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 6.821            | 6.8737           | 6.911            | 0.041965         | 6.819             | 6.9117            | 7.004             | 0.061747          | -0.004    | 0.038     | 0.093     | 0.04642   |
| 50       | 6.805            | 6.8992           | 6.981            | 0.045936         | 6.906             | 6.9886            | 7.078             | 0.04922           | 0.069     | 0.089417  | 0.106     | 0.013069  |
| 100      | 6.805            | 6.8992           | 6.981            | 0.045936         | 6.821             | 6.9062            | 6.969             | 0.041492          | -0.012    | 0.007     | 0.027     | 0.012483  |

Device Test: 18.16 ; PWRGD\_RPMOS\_HIGH\_V

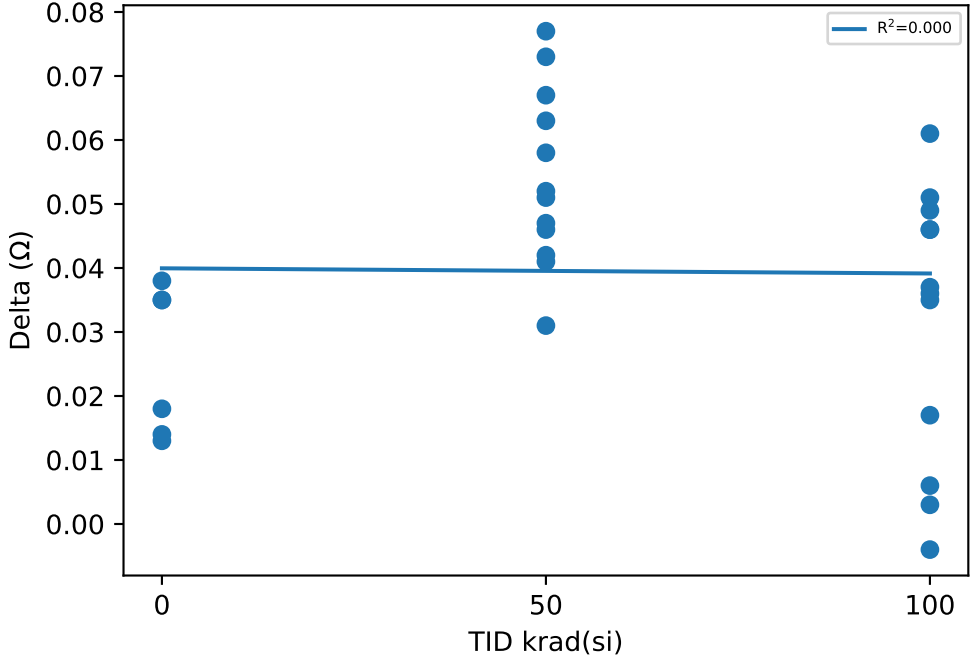
TID vs Result Stats



Test Results (Upper Limit = 20.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 8.745      | 8.783       | 0.038  |
| 201      | 0        | Correlation         | 8.742      | 8.76        | 0.018  |
| 202      | 0        | Correlation         | 8.775      | 8.81        | 0.035  |
| 203      | 50       | Biased              | 8.753      | 8.8         | 0.047  |
| 204      | 50       | Biased              | 8.809      | 8.851       | 0.042  |
| 205      | 50       | Biased              | 8.846      | 8.923       | 0.077  |
| 206      | 50       | Biased              | 8.832      | 8.883       | 0.051  |
| 207      | 50       | Biased              | 8.787      | 8.818       | 0.031  |
| 208      | 50       | Biased              | 8.725      | 8.771       | 0.046  |
| 209      | 50       | Unbiased            | 8.741      | 8.782       | 0.041  |
| 210      | 50       | Unbiased            | 8.772      | 8.835       | 0.063  |
| 211      | 50       | Unbiased            | 8.803      | 8.876       | 0.073  |
| 212      | 50       | Unbiased            | 8.667      | 8.719       | 0.052  |
| 213      | 50       | Unbiased            | 8.765      | 8.832       | 0.067  |
| 214      | 50       | Unbiased            | 8.774      | 8.832       | 0.058  |
| 1200     | 0        | Correlation         | 8.745      | 8.78        | 0.035  |
| 1201     | 0        | Correlation         | 8.742      | 8.756       | 0.014  |
| 1202     | 0        | Correlation         | 8.775      | 8.788       | 0.013  |
| 1203     | 100      | Biased              | 8.753      | 8.756       | 0.003  |
| 1204     | 100      | Biased              | 8.809      | 8.805       | -0.004 |
| 1205     | 100      | Biased              | 8.846      | 8.863       | 0.017  |
| 1206     | 100      | Biased              | 8.832      | 8.838       | 0.006  |
| 1207     | 100      | Biased              | 8.787      | 8.823       | 0.036  |
| 1208     | 100      | Biased              | 8.725      | 8.776       | 0.051  |
| 1209     | 100      | Unbiased            | 8.741      | 8.79        | 0.049  |
| 1210     | 100      | Unbiased            | 8.772      | 8.833       | 0.061  |
| 1211     | 100      | Unbiased            | 8.803      | 8.84        | 0.037  |
| 1212     | 100      | Unbiased            | 8.667      | 8.713       | 0.046  |
| 1213     | 100      | Unbiased            | 8.765      | 8.8         | 0.035  |
| 1214     | 100      | Unbiased            | 8.774      | 8.82        | 0.046  |

TID vs Post - Pre Exposure Delta

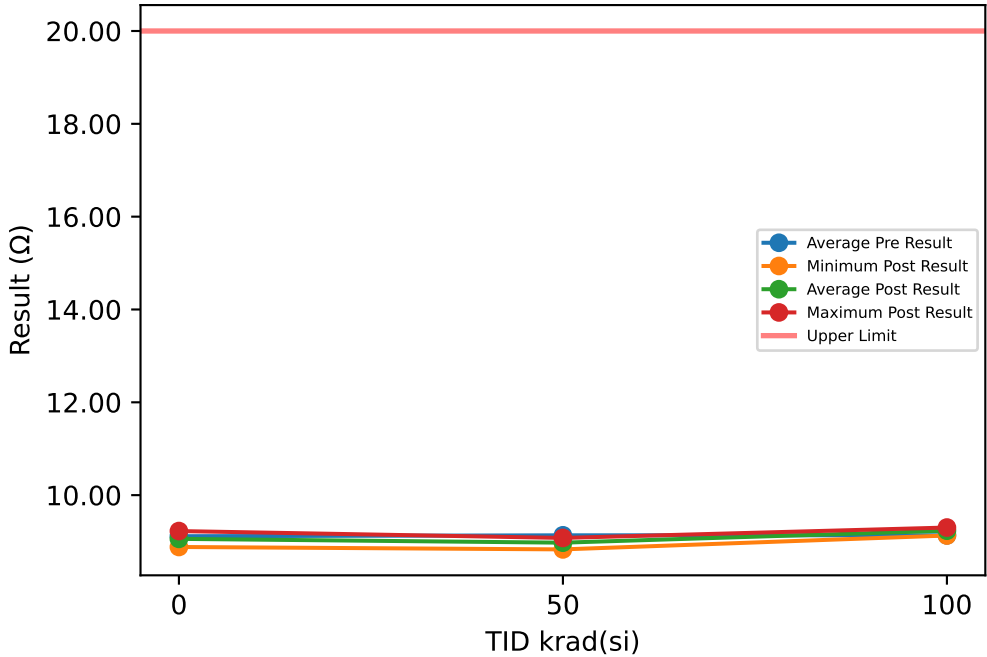


Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 8.742            | 8.754            | 8.775            | 0.016322         | 8.756             | 8.7795            | 8.81              | 0.019736          | 0.013     | 0.0255    | 0.038     | 0.011675  |
| 50       | 8.667            | 8.7728           | 8.846            | 0.048833         | 8.719             | 8.8268            | 8.923             | 0.054837          | 0.031     | 0.054     | 0.077     | 0.013896  |
| 100      | 8.667            | 8.7728           | 8.846            | 0.048833         | 8.713             | 8.8048            | 8.863             | 0.041524          | -0.004    | 0.031917  | 0.061     | 0.021258  |

Device Test: 18.17 ; WDO\_RPMOS\_HIGH\_V

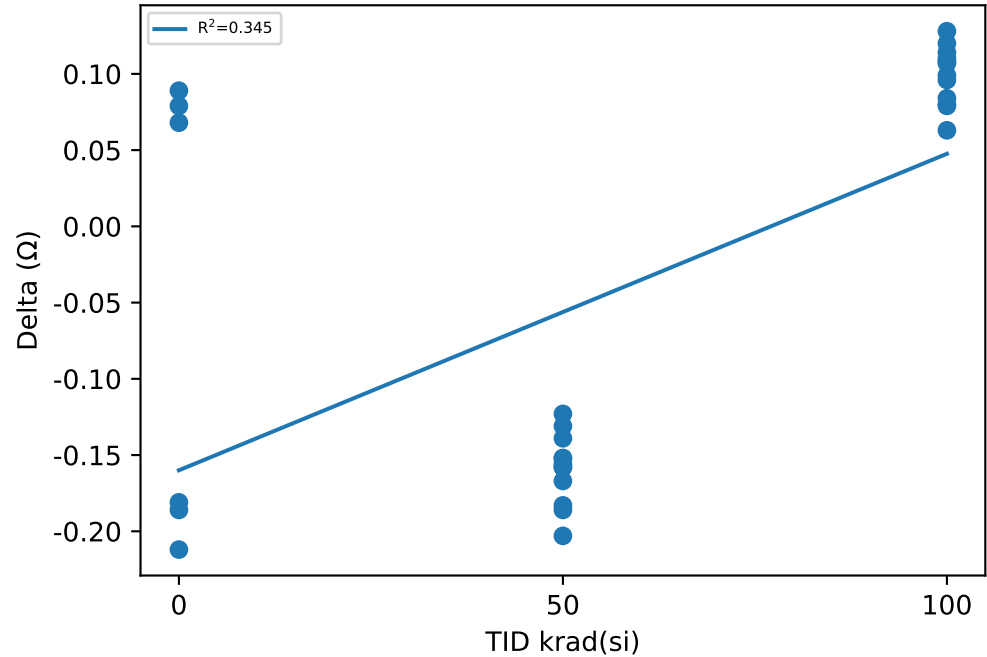
TID vs Result Stats



Test Results (Upper Limit = 20.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 9.103      | 8.922       | -0.181 |
| 201      | 0        | Correlation         | 9.095      | 8.883       | -0.212 |
| 202      | 0        | Correlation         | 9.147      | 8.961       | -0.186 |
| 203      | 50       | Biased              | 9.093      | 8.907       | -0.186 |
| 204      | 50       | Biased              | 9.156      | 8.989       | -0.167 |
| 205      | 50       | Biased              | 9.201      | 9.078       | -0.123 |
| 206      | 50       | Biased              | 9.223      | 9.071       | -0.152 |
| 207      | 50       | Biased              | 9.172      | 9.016       | -0.156 |
| 208      | 50       | Biased              | 9.079      | 8.896       | -0.183 |
| 209      | 50       | Unbiased            | 9.09       | 8.932       | -0.158 |
| 210      | 50       | Unbiased            | 9.16       | 9.021       | -0.139 |
| 211      | 50       | Unbiased            | 9.153      | 9.022       | -0.131 |
| 212      | 50       | Unbiased            | 9.034      | 8.831       | -0.203 |
| 213      | 50       | Unbiased            | 9.124      | 8.972       | -0.152 |
| 214      | 50       | Unbiased            | 9.132      | 8.974       | -0.158 |
| 1200     | 0        | Correlation         | 9.103      | 9.192       | 0.089  |
| 1201     | 0        | Correlation         | 9.095      | 9.163       | 0.068  |
| 1202     | 0        | Correlation         | 9.147      | 9.226       | 0.079  |
| 1203     | 100      | Biased              | 9.093      | 9.156       | 0.063  |
| 1204     | 100      | Biased              | 9.156      | 9.236       | 0.08   |
| 1205     | 100      | Biased              | 9.201      | 9.285       | 0.084  |
| 1206     | 100      | Biased              | 9.223      | 9.302       | 0.079  |
| 1207     | 100      | Biased              | 9.172      | 9.282       | 0.11   |
| 1208     | 100      | Biased              | 9.079      | 9.187       | 0.108  |
| 1209     | 100      | Unbiased            | 9.09       | 9.21        | 0.12   |
| 1210     | 100      | Unbiased            | 9.16       | 9.288       | 0.128  |
| 1211     | 100      | Unbiased            | 9.153      | 9.26        | 0.107  |
| 1212     | 100      | Unbiased            | 9.034      | 9.13        | 0.096  |
| 1213     | 100      | Unbiased            | 9.124      | 9.223       | 0.099  |
| 1214     | 100      | Unbiased            | 9.132      | 9.246       | 0.114  |

TID vs Post - Pre Exposure Delta

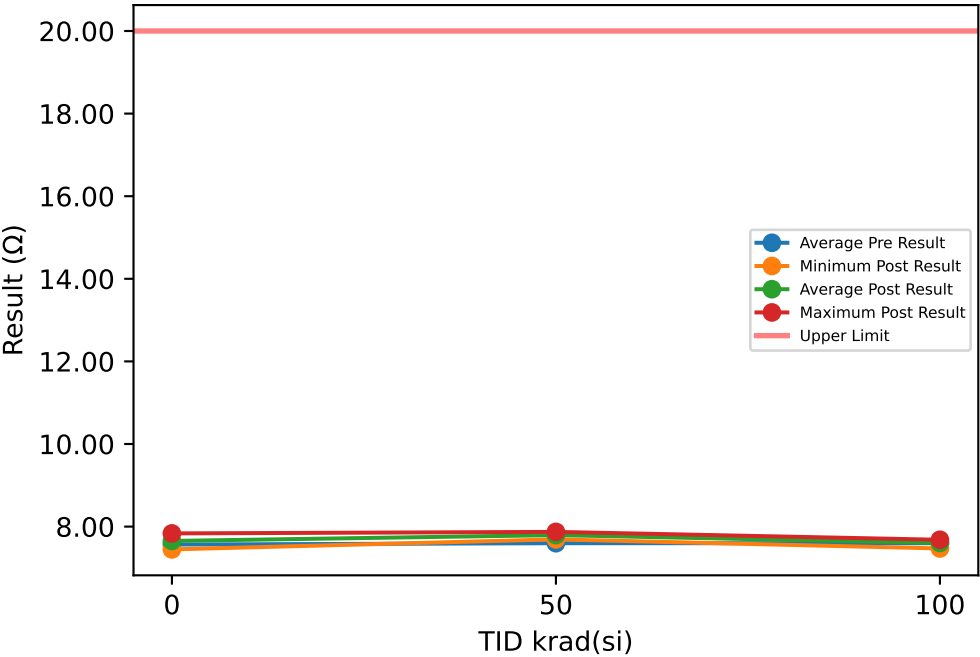


Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 9.095            | 9.115            | 9.147            | 0.025044         | 8.883             | 9.0578            | 9.226             | 0.15214           | -0.212    | -0.057167 | 0.089     | 0.14932   |
| 50       | 9.034            | 9.1348           | 9.223            | 0.054032         | 8.831             | 8.9757            | 9.078             | 0.073534          | -0.203    | -0.159    | -0.123    | 0.023148  |
| 100      | 9.034            | 9.1348           | 9.223            | 0.054032         | 9.13              | 9.2338            | 9.302             | 0.054834          | 0.063     | 0.099     | 0.128     | 0.019221  |

Device Test: 18.18 ; RESET\_RPMOS\_HIGH\_V

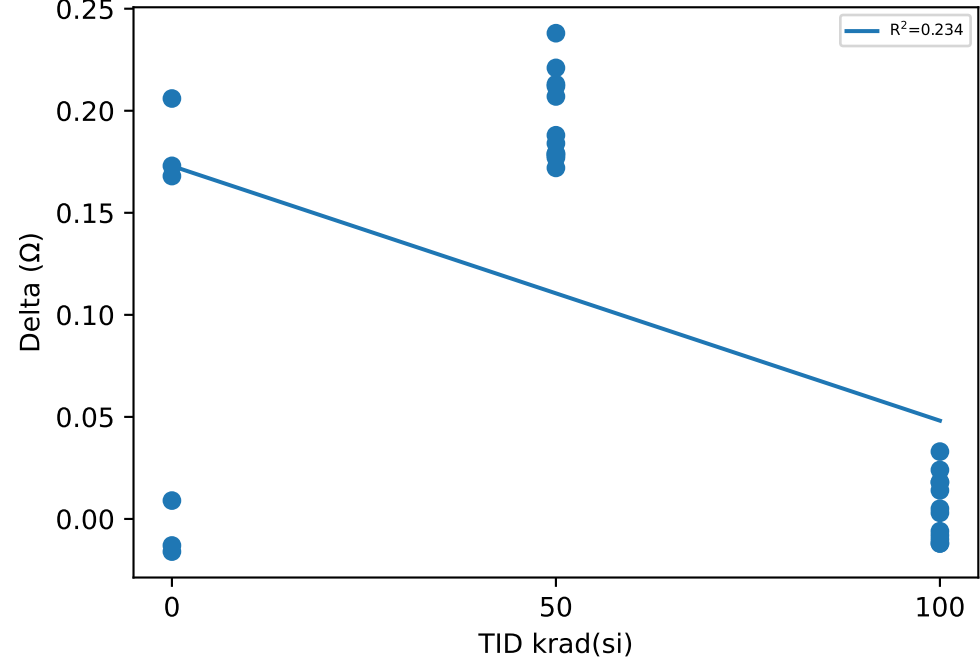
TID vs Result Stats



Test Results (Upper Limit = 20.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 7.573      | 7.741       | 0.168  |
| 201      | 0        | Correlation         | 7.461      | 7.667       | 0.206  |
| 202      | 0        | Correlation         | 7.662      | 7.835       | 0.173  |
| 203      | 50       | Biased              | 7.596      | 7.78        | 0.184  |
| 204      | 50       | Biased              | 7.634      | 7.812       | 0.178  |
| 205      | 50       | Biased              | 7.607      | 7.82        | 0.213  |
| 206      | 50       | Biased              | 7.641      | 7.818       | 0.177  |
| 207      | 50       | Biased              | 7.618      | 7.797       | 0.179  |
| 208      | 50       | Biased              | 7.552      | 7.764       | 0.212  |
| 209      | 50       | Unbiased            | 7.607      | 7.795       | 0.188  |
| 210      | 50       | Unbiased            | 7.581      | 7.802       | 0.221  |
| 211      | 50       | Unbiased            | 7.693      | 7.872       | 0.179  |
| 212      | 50       | Unbiased            | 7.453      | 7.691       | 0.238  |
| 213      | 50       | Unbiased            | 7.643      | 7.815       | 0.172  |
| 214      | 50       | Unbiased            | 7.553      | 7.76        | 0.207  |
| 1200     | 0        | Correlation         | 7.573      | 7.582       | 0.009  |
| 1201     | 0        | Correlation         | 7.461      | 7.448       | -0.013 |
| 1202     | 0        | Correlation         | 7.662      | 7.646       | -0.016 |
| 1203     | 100      | Biased              | 7.596      | 7.599       | 0.003  |
| 1204     | 100      | Biased              | 7.634      | 7.626       | -0.008 |
| 1205     | 100      | Biased              | 7.607      | 7.631       | 0.024  |
| 1206     | 100      | Biased              | 7.641      | 7.631       | -0.01  |
| 1207     | 100      | Biased              | 7.618      | 7.636       | 0.018  |
| 1208     | 100      | Biased              | 7.552      | 7.557       | 0.005  |
| 1209     | 100      | Unbiased            | 7.607      | 7.601       | -0.006 |
| 1210     | 100      | Unbiased            | 7.581      | 7.614       | 0.033  |
| 1211     | 100      | Unbiased            | 7.693      | 7.681       | -0.012 |
| 1212     | 100      | Unbiased            | 7.453      | 7.471       | 0.018  |
| 1213     | 100      | Unbiased            | 7.643      | 7.631       | -0.012 |
| 1214     | 100      | Unbiased            | 7.553      | 7.567       | 0.014  |

TID vs Post - Pre Exposure Delta



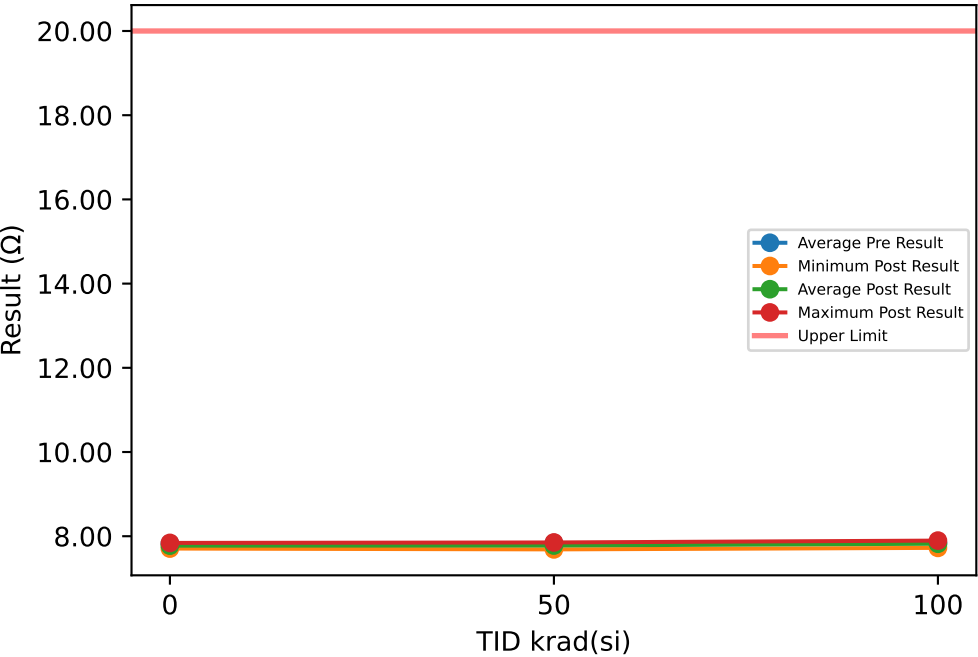
Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 7.461            | 7.5653           | 7.662            | 0.090086         | 7.448             | 7.6532            | 7.835             | 0.1328            | -0.016    | 0.087833  | 0.206     | 0.1047    |
| 50       | 7.453            | 7.5982           | 7.693            | 0.060465         | 7.691             | 7.7938            | 7.872             | 0.04373           | 0.172     | 0.19567   | 0.238     | 0.021534  |
| 100      | 7.453            | 7.5982           | 7.693            | 0.060465         | 7.471             | 7.6038            | 7.681             | 0.053107          | -0.012    | 0.0055833 | 0.033     | 0.015541  |



Device Test: 18.19 ; RESET\_RPMOS\_HIGH\_V

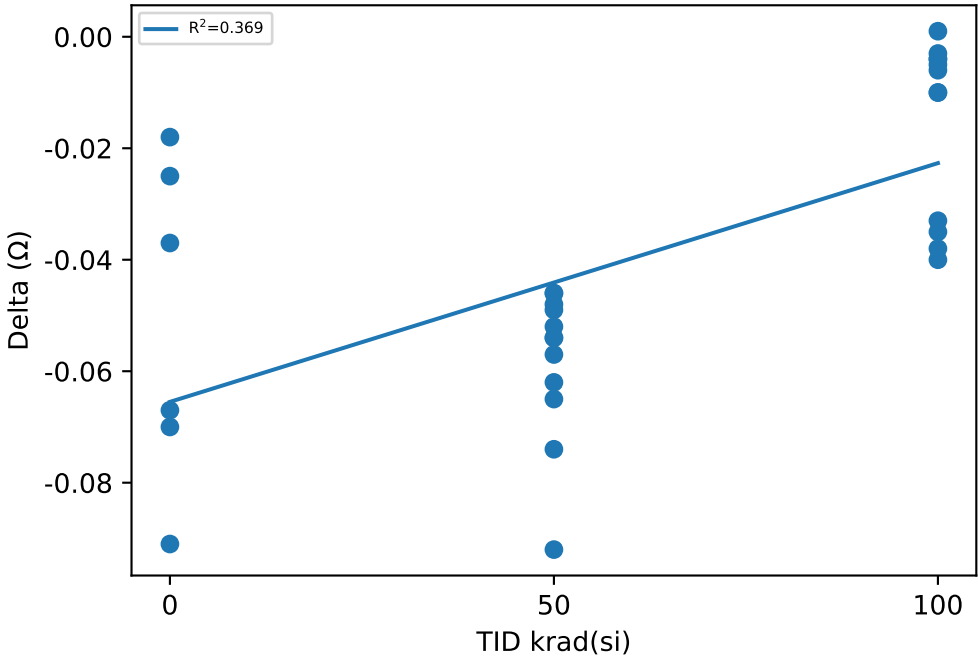
TID vs Result Stats



Test Results (Upper Limit = 20.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 7.839      | 7.748       | -0.091 |
| 201      | 0        | Correlation         | 7.777      | 7.707       | -0.07  |
| 202      | 0        | Correlation         | 7.866      | 7.799       | -0.067 |
| 203      | 50       | Biased              | 7.836      | 7.744       | -0.092 |
| 204      | 50       | Biased              | 7.885      | 7.811       | -0.074 |
| 205      | 50       | Biased              | 7.888      | 7.836       | -0.052 |
| 206      | 50       | Biased              | 7.89       | 7.825       | -0.065 |
| 207      | 50       | Biased              | 7.838      | 7.784       | -0.054 |
| 208      | 50       | Biased              | 7.78       | 7.734       | -0.046 |
| 209      | 50       | Unbiased            | 7.815      | 7.758       | -0.057 |
| 210      | 50       | Unbiased            | 7.832      | 7.783       | -0.049 |
| 211      | 50       | Unbiased            | 7.9        | 7.852       | -0.048 |
| 212      | 50       | Unbiased            | 7.733      | 7.687       | -0.046 |
| 213      | 50       | Unbiased            | 7.856      | 7.794       | -0.062 |
| 214      | 50       | Unbiased            | 7.793      | 7.739       | -0.054 |
| 1200     | 0        | Correlation         | 7.839      | 7.821       | -0.018 |
| 1201     | 0        | Correlation         | 7.777      | 7.74        | -0.037 |
| 1202     | 0        | Correlation         | 7.866      | 7.841       | -0.025 |
| 1203     | 100      | Biased              | 7.836      | 7.796       | -0.04  |
| 1204     | 100      | Biased              | 7.885      | 7.852       | -0.033 |
| 1205     | 100      | Biased              | 7.888      | 7.853       | -0.035 |
| 1206     | 100      | Biased              | 7.89       | 7.852       | -0.038 |
| 1207     | 100      | Biased              | 7.838      | 7.835       | -0.003 |
| 1208     | 100      | Biased              | 7.78       | 7.77        | -0.01  |
| 1209     | 100      | Unbiased            | 7.815      | 7.809       | -0.006 |
| 1210     | 100      | Unbiased            | 7.832      | 7.833       | 0.001  |
| 1211     | 100      | Unbiased            | 7.9        | 7.896       | -0.004 |
| 1212     | 100      | Unbiased            | 7.733      | 7.723       | -0.01  |
| 1213     | 100      | Unbiased            | 7.856      | 7.851       | -0.005 |
| 1214     | 100      | Unbiased            | 7.793      | 7.789       | -0.004 |

TID vs Post - Pre Exposure Delta

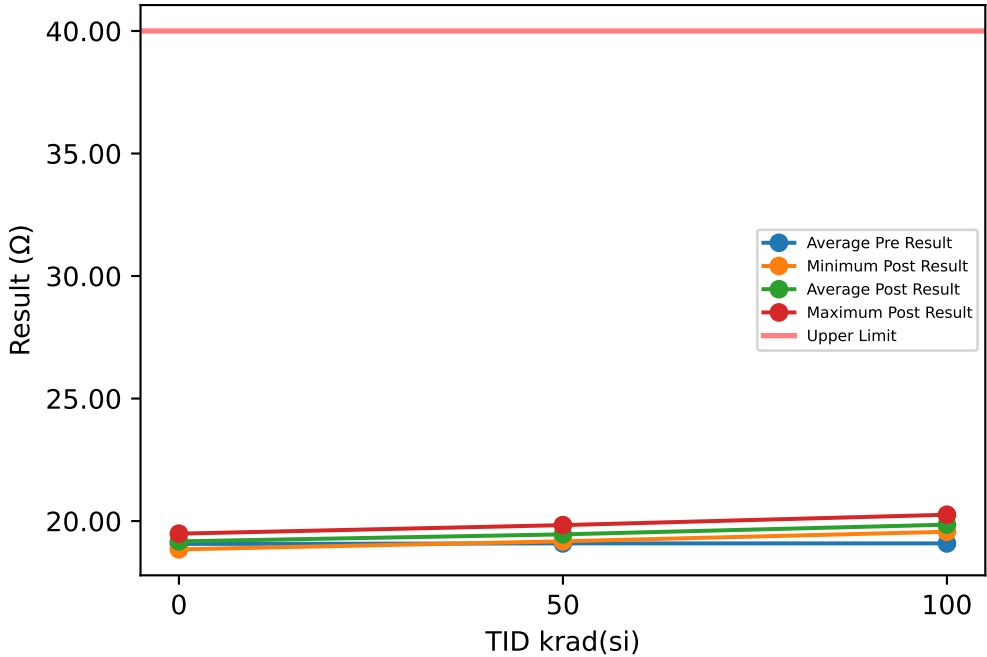


Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 7.777            | 7.8273           | 7.866            | 0.040815         | 7.707             | 7.776             | 7.841             | 0.052192          | -0.091    | -0.051333 | -0.018    | 0.028904  |
| 50       | 7.733            | 7.8372           | 7.9              | 0.050951         | 7.687             | 7.7789            | 7.852             | 0.048373          | -0.092    | -0.05825  | -0.046    | 0.013532  |
| 100      | 7.733            | 7.8372           | 7.9              | 0.050951         | 7.723             | 7.8216            | 7.896             | 0.04652           | -0.04     | -0.015583 | 0.001     | 0.015803  |

Device Test: 18.2 ; RESET\_RPMOS\_LOW\_V

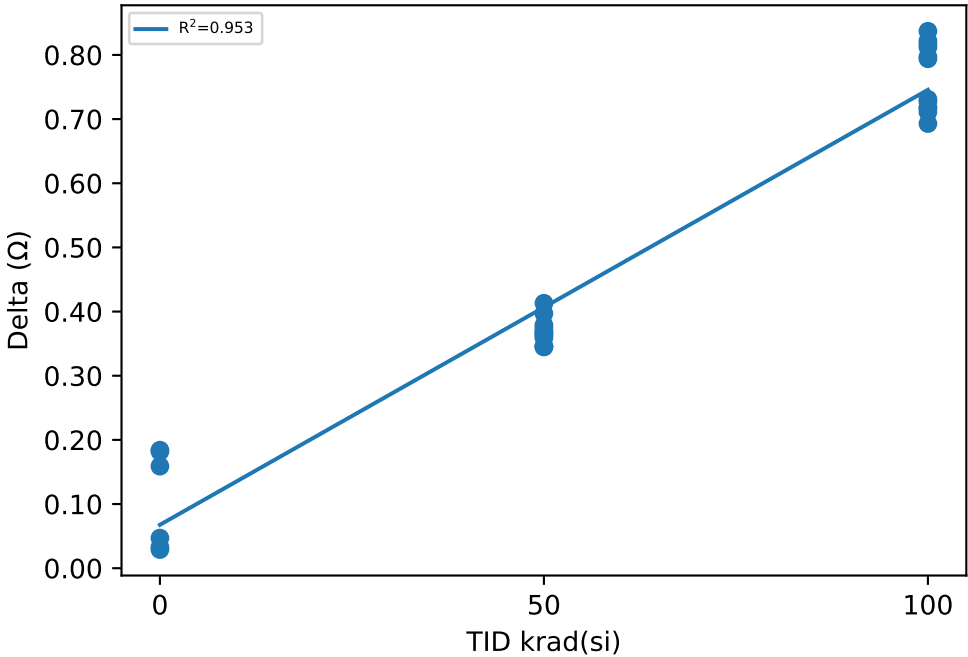
TID vs Result Stats



Test Results (Upper Limit = 40.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|----------|----------|---------------------|------------|-------------|-------|
| 200      | 0        | Correlation         | 19.099     | 19.132      | 0.033 |
| 201      | 0        | Correlation         | 18.797     | 18.844      | 0.047 |
| 202      | 0        | Correlation         | 19.302     | 19.331      | 0.029 |
| 203      | 50       | Biased              | 19.08      | 19.425      | 0.345 |
| 204      | 50       | Biased              | 18.875     | 19.241      | 0.366 |
| 205      | 50       | Biased              | 19.118     | 19.497      | 0.379 |
| 206      | 50       | Biased              | 19.275     | 19.645      | 0.37  |
| 207      | 50       | Biased              | 19.047     | 19.409      | 0.362 |
| 208      | 50       | Biased              | 18.837     | 19.234      | 0.397 |
| 209      | 50       | Unbiased            | 19.18      | 19.546      | 0.366 |
| 210      | 50       | Unbiased            | 19.033     | 19.392      | 0.359 |
| 211      | 50       | Unbiased            | 19.422     | 19.835      | 0.413 |
| 212      | 50       | Unbiased            | 18.8       | 19.175      | 0.375 |
| 213      | 50       | Unbiased            | 19.259     | 19.605      | 0.346 |
| 214      | 50       | Unbiased            | 19.139     | 19.484      | 0.345 |
| 1200     | 0        | Correlation         | 19.099     | 19.281      | 0.182 |
| 1201     | 0        | Correlation         | 18.797     | 18.956      | 0.159 |
| 1202     | 0        | Correlation         | 19.302     | 19.486      | 0.184 |
| 1203     | 100      | Biased              | 19.08      | 19.791      | 0.711 |
| 1204     | 100      | Biased              | 18.875     | 19.568      | 0.693 |
| 1205     | 100      | Biased              | 19.118     | 19.835      | 0.717 |
| 1206     | 100      | Biased              | 19.275     | 20.006      | 0.731 |
| 1207     | 100      | Biased              | 19.047     | 19.765      | 0.718 |
| 1208     | 100      | Biased              | 18.837     | 19.564      | 0.727 |
| 1209     | 100      | Unbiased            | 19.18      | 20.002      | 0.822 |
| 1210     | 100      | Unbiased            | 19.033     | 19.85       | 0.817 |
| 1211     | 100      | Unbiased            | 19.422     | 20.259      | 0.837 |
| 1212     | 100      | Unbiased            | 18.8       | 19.594      | 0.794 |
| 1213     | 100      | Unbiased            | 19.259     | 20.071      | 0.812 |
| 1214     | 100      | Unbiased            | 19.139     | 19.936      | 0.797 |

TID vs Post - Pre Exposure Delta

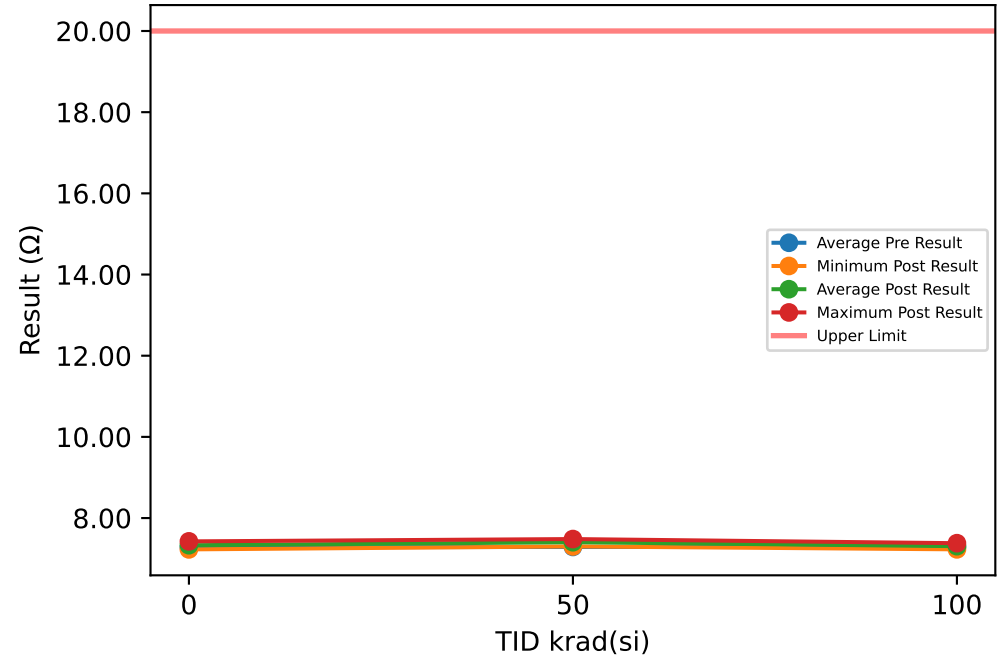


Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 18.797           | 19.066           | 19.302           | 0.22728          | 18.844            | 19.172            | 19.486            | 0.24149           | 0.029     | 0.10567   | 0.184     | 0.076691  |
| 50       | 18.8             | 19.089           | 19.422           | 0.18679          | 19.175            | 19.457            | 19.835            | 0.18922           | 0.345     | 0.36858   | 0.413     | 0.020677  |
| 100      | 18.8             | 19.089           | 19.422           | 0.18679          | 19.564            | 19.853            | 20.259            | 0.21503           | 0.693     | 0.76467   | 0.837     | 0.05259   |

Device Test: 18.20 ; RESET\_RPMOS\_HIGH\_V

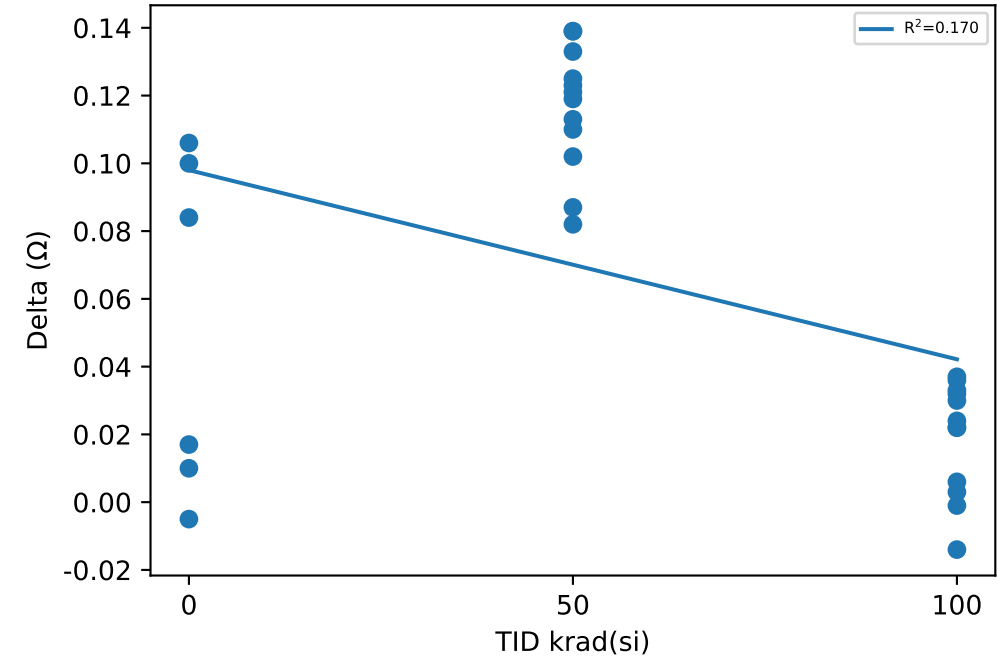
TID vs Result Stats



Test Results (Upper Limit = 20.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 7.284      | 7.368       | 0.084  |
| 201      | 0        | Correlation         | 7.233      | 7.333       | 0.1    |
| 202      | 0        | Correlation         | 7.32       | 7.426       | 0.106  |
| 203      | 50       | Biased              | 7.291      | 7.373       | 0.082  |
| 204      | 50       | Biased              | 7.31       | 7.397       | 0.087  |
| 205      | 50       | Biased              | 7.312      | 7.437       | 0.125  |
| 206      | 50       | Biased              | 7.36       | 7.483       | 0.123  |
| 207      | 50       | Biased              | 7.273      | 7.392       | 0.119  |
| 208      | 50       | Biased              | 7.238      | 7.359       | 0.121  |
| 209      | 50       | Unbiased            | 7.286      | 7.399       | 0.113  |
| 210      | 50       | Unbiased            | 7.282      | 7.421       | 0.139  |
| 211      | 50       | Unbiased            | 7.349      | 7.482       | 0.133  |
| 212      | 50       | Unbiased            | 7.199      | 7.301       | 0.102  |
| 213      | 50       | Unbiased            | 7.287      | 7.426       | 0.139  |
| 214      | 50       | Unbiased            | 7.272      | 7.382       | 0.11   |
| 1200     | 0        | Correlation         | 7.284      | 7.301       | 0.017  |
| 1201     | 0        | Correlation         | 7.233      | 7.228       | -0.005 |
| 1202     | 0        | Correlation         | 7.32       | 7.33        | 0.01   |
| 1203     | 100      | Biased              | 7.291      | 7.29        | -0.001 |
| 1204     | 100      | Biased              | 7.31       | 7.313       | 0.003  |
| 1205     | 100      | Biased              | 7.312      | 7.318       | 0.006  |
| 1206     | 100      | Biased              | 7.36       | 7.346       | -0.014 |
| 1207     | 100      | Biased              | 7.273      | 7.295       | 0.022  |
| 1208     | 100      | Biased              | 7.238      | 7.262       | 0.024  |
| 1209     | 100      | Unbiased            | 7.286      | 7.319       | 0.033  |
| 1210     | 100      | Unbiased            | 7.282      | 7.318       | 0.036  |
| 1211     | 100      | Unbiased            | 7.349      | 7.381       | 0.032  |
| 1212     | 100      | Unbiased            | 7.199      | 7.229       | 0.03   |
| 1213     | 100      | Unbiased            | 7.287      | 7.324       | 0.037  |
| 1214     | 100      | Unbiased            | 7.272      | 7.294       | 0.022  |

TID vs Post - Pre Exposure Delta

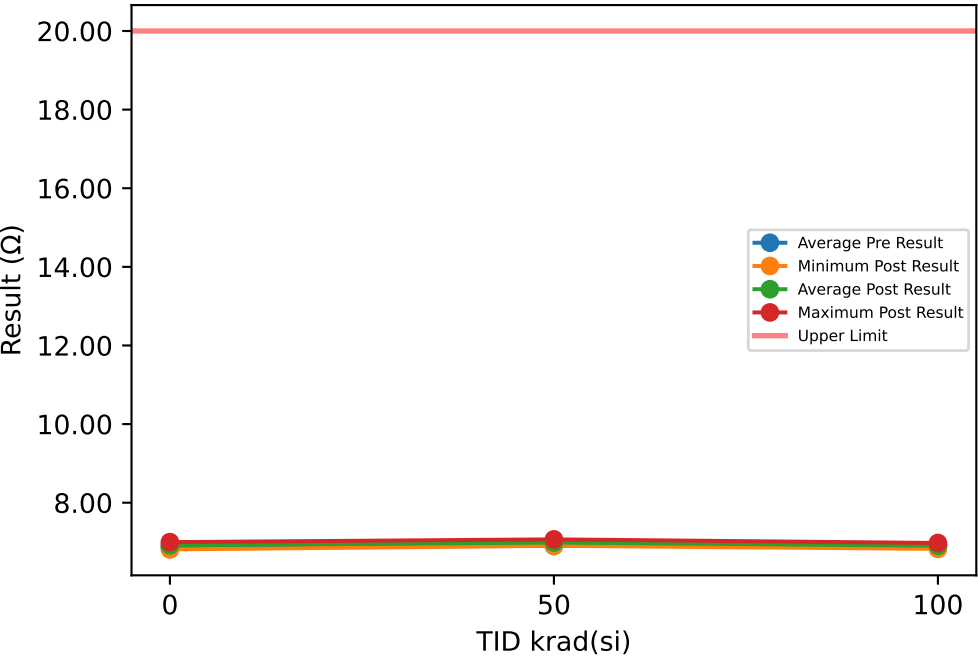


Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 7.233            | 7.279            | 7.32             | 0.0391           | 7.228             | 7.331             | 7.426             | 0.066194          | -0.005    | 0.052     | 0.106     | 0.049964  |
| 50       | 7.199            | 7.2883           | 7.36             | 0.043606         | 7.301             | 7.4043            | 7.483             | 0.050885          | 0.082     | 0.11608   | 0.139     | 0.018461  |
| 100      | 7.199            | 7.2883           | 7.36             | 0.043606         | 7.229             | 7.3074            | 7.381             | 0.038632          | -0.014    | 0.019167  | 0.037     | 0.016667  |

Device Test: 18.21 ; RESET\_RPMOS\_HIGH\_V

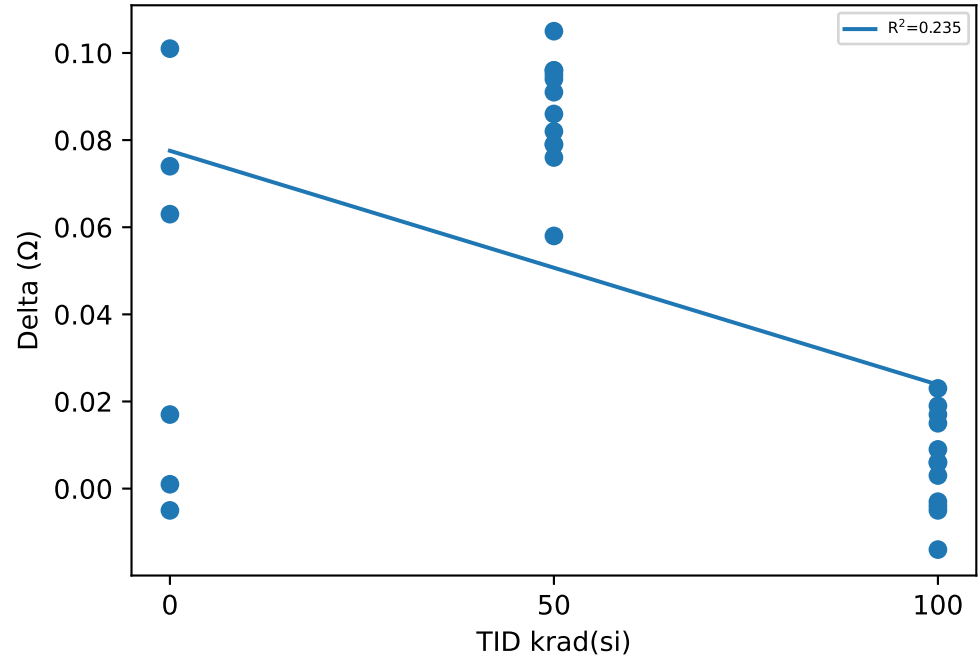
TID vs Result Stats



Test Results (Upper Limit = 20.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 6.882      | 6.945       | 0.063  |
| 201      | 0        | Correlation         | 6.817      | 6.918       | 0.101  |
| 202      | 0        | Correlation         | 6.923      | 6.997       | 0.074  |
| 203      | 50       | Biased              | 6.901      | 6.959       | 0.058  |
| 204      | 50       | Biased              | 6.906      | 6.985       | 0.079  |
| 205      | 50       | Biased              | 6.935      | 7.017       | 0.082  |
| 206      | 50       | Biased              | 6.986      | 7.062       | 0.076  |
| 207      | 50       | Biased              | 6.892      | 6.978       | 0.086  |
| 208      | 50       | Biased              | 6.841      | 6.937       | 0.096  |
| 209      | 50       | Unbiased            | 6.885      | 6.964       | 0.079  |
| 210      | 50       | Unbiased            | 6.881      | 6.975       | 0.094  |
| 211      | 50       | Unbiased            | 6.972      | 7.067       | 0.095  |
| 212      | 50       | Unbiased            | 6.808      | 6.904       | 0.096  |
| 213      | 50       | Unbiased            | 6.905      | 7.01        | 0.105  |
| 214      | 50       | Unbiased            | 6.895      | 6.986       | 0.091  |
| 1200     | 0        | Correlation         | 6.882      | 6.899       | 0.017  |
| 1201     | 0        | Correlation         | 6.817      | 6.812       | -0.005 |
| 1202     | 0        | Correlation         | 6.923      | 6.924       | 0.001  |
| 1203     | 100      | Biased              | 6.901      | 6.897       | -0.004 |
| 1204     | 100      | Biased              | 6.906      | 6.901       | -0.005 |
| 1205     | 100      | Biased              | 6.935      | 6.932       | -0.003 |
| 1206     | 100      | Biased              | 6.986      | 6.972       | -0.014 |
| 1207     | 100      | Biased              | 6.892      | 6.898       | 0.006  |
| 1208     | 100      | Biased              | 6.841      | 6.856       | 0.015  |
| 1209     | 100      | Unbiased            | 6.885      | 6.891       | 0.006  |
| 1210     | 100      | Unbiased            | 6.881      | 6.89        | 0.009  |
| 1211     | 100      | Unbiased            | 6.972      | 6.975       | 0.003  |
| 1212     | 100      | Unbiased            | 6.808      | 6.825       | 0.017  |
| 1213     | 100      | Unbiased            | 6.905      | 6.924       | 0.019  |
| 1214     | 100      | Unbiased            | 6.895      | 6.918       | 0.023  |

TID vs Post - Pre Exposure Delta

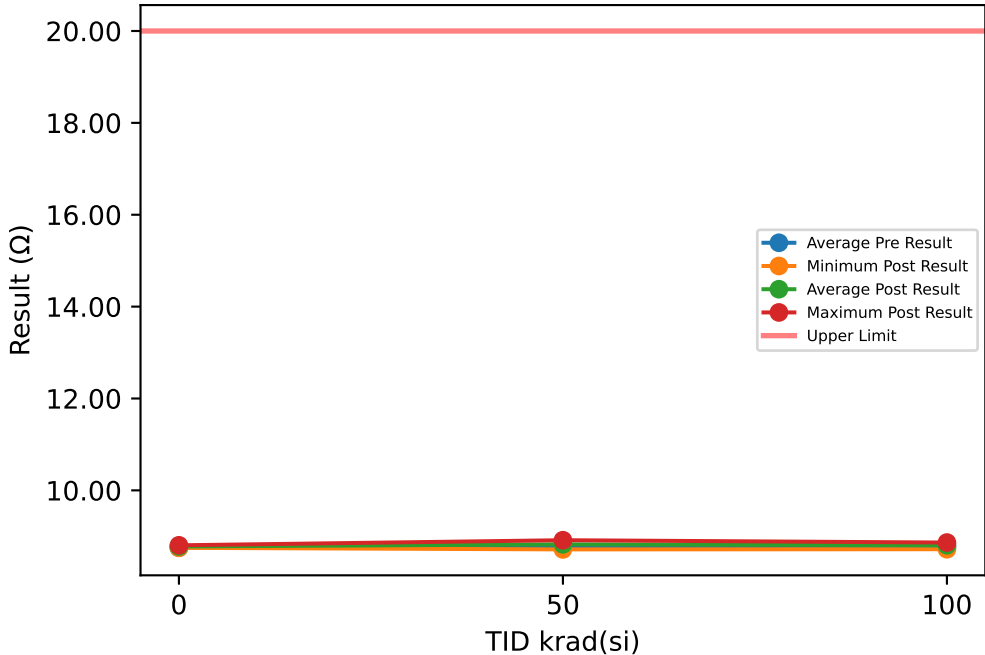


Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 6.817            | 6.874            | 6.923            | 0.047808         | 6.812             | 6.9158            | 6.997             | 0.060951          | -0.005    | 0.041833  | 0.101     | 0.043499  |
| 50       | 6.808            | 6.9006           | 6.986            | 0.049067         | 6.904             | 6.987             | 7.067             | 0.047084          | 0.058     | 0.086417  | 0.105     | 0.01253   |
| 100      | 6.808            | 6.9006           | 6.986            | 0.049067         | 6.825             | 6.9066            | 6.975             | 0.042607          | -0.014    | 0.006     | 0.023     | 0.011201  |

Device Test: 18.22 ; PWRGD\_RPMOS\_HIGH\_V

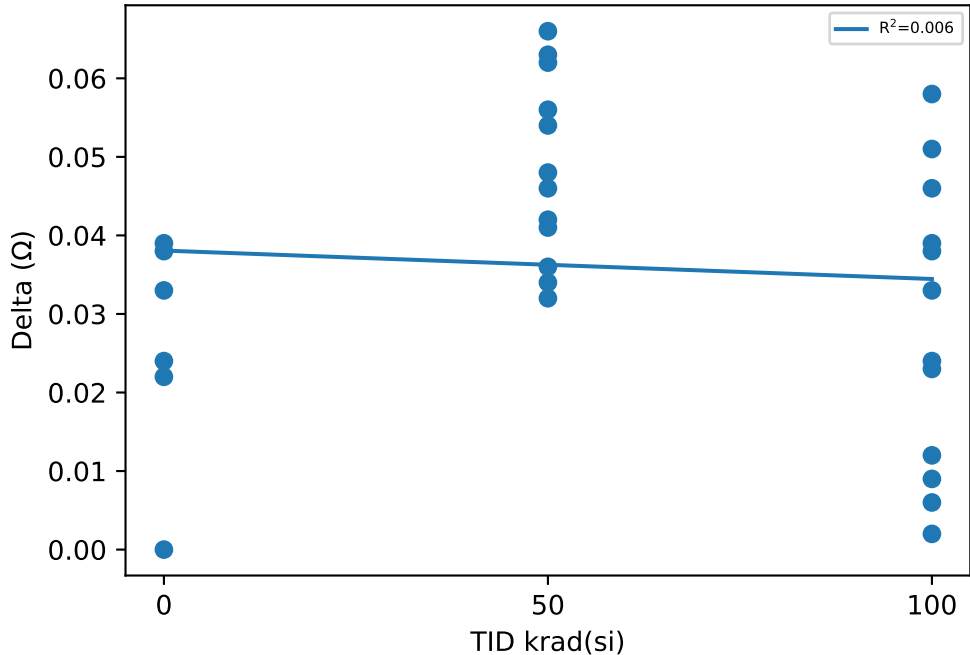
TID vs Result Stats



Test Results (Upper Limit = 20.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|----------|----------|---------------------|------------|-------------|-------|
| 200      | 0        | Correlation         | 8.744      | 8.783       | 0.039 |
| 201      | 0        | Correlation         | 8.749      | 8.771       | 0.022 |
| 202      | 0        | Correlation         | 8.766      | 8.804       | 0.038 |
| 203      | 50       | Biased              | 8.751      | 8.785       | 0.034 |
| 204      | 50       | Biased              | 8.806      | 8.848       | 0.042 |
| 205      | 50       | Biased              | 8.852      | 8.915       | 0.063 |
| 206      | 50       | Biased              | 8.839      | 8.871       | 0.032 |
| 207      | 50       | Biased              | 8.781      | 8.822       | 0.041 |
| 208      | 50       | Biased              | 8.726      | 8.774       | 0.048 |
| 209      | 50       | Unbiased            | 8.749      | 8.785       | 0.036 |
| 210      | 50       | Unbiased            | 8.792      | 8.854       | 0.062 |
| 211      | 50       | Unbiased            | 8.81       | 8.856       | 0.046 |
| 212      | 50       | Unbiased            | 8.661      | 8.715       | 0.054 |
| 213      | 50       | Unbiased            | 8.764      | 8.82        | 0.056 |
| 214      | 50       | Unbiased            | 8.782      | 8.848       | 0.066 |
| 1200     | 0        | Correlation         | 8.744      | 8.777       | 0.033 |
| 1201     | 0        | Correlation         | 8.749      | 8.749       | 0     |
| 1202     | 0        | Correlation         | 8.766      | 8.79        | 0.024 |
| 1203     | 100      | Biased              | 8.751      | 8.757       | 0.006 |
| 1204     | 100      | Biased              | 8.806      | 8.815       | 0.009 |
| 1205     | 100      | Biased              | 8.852      | 8.864       | 0.012 |
| 1206     | 100      | Biased              | 8.839      | 8.841       | 0.002 |
| 1207     | 100      | Biased              | 8.781      | 8.805       | 0.024 |
| 1208     | 100      | Biased              | 8.726      | 8.759       | 0.033 |
| 1209     | 100      | Unbiased            | 8.749      | 8.8         | 0.051 |
| 1210     | 100      | Unbiased            | 8.792      | 8.815       | 0.023 |
| 1211     | 100      | Unbiased            | 8.81       | 8.856       | 0.046 |
| 1212     | 100      | Unbiased            | 8.661      | 8.719       | 0.058 |
| 1213     | 100      | Unbiased            | 8.764      | 8.802       | 0.038 |
| 1214     | 100      | Unbiased            | 8.782      | 8.821       | 0.039 |

TID vs Post - Pre Exposure Delta



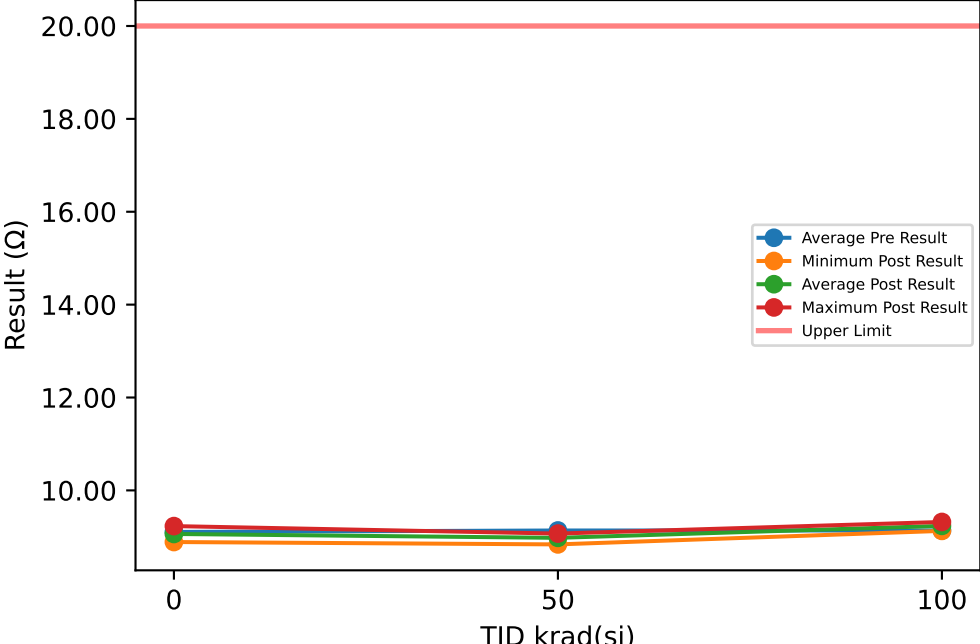
Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 8.744            | 8.753            | 8.766            | 0.010315         | 8.749             | 8.779             | 8.804             | 0.018601          | 0         | 0.026     | 0.039     | 0.014546  |
| 50       | 8.661            | 8.7761           | 8.852            | 0.051646         | 8.715             | 8.8244            | 8.915             | 0.053092          | 0.032     | 0.048333  | 0.066     | 0.011789  |
| 100      | 8.661            | 8.7761           | 8.852            | 0.051646         | 8.719             | 8.8045            | 8.864             | 0.042299          | 0.002     | 0.028417  | 0.058     | 0.018623  |

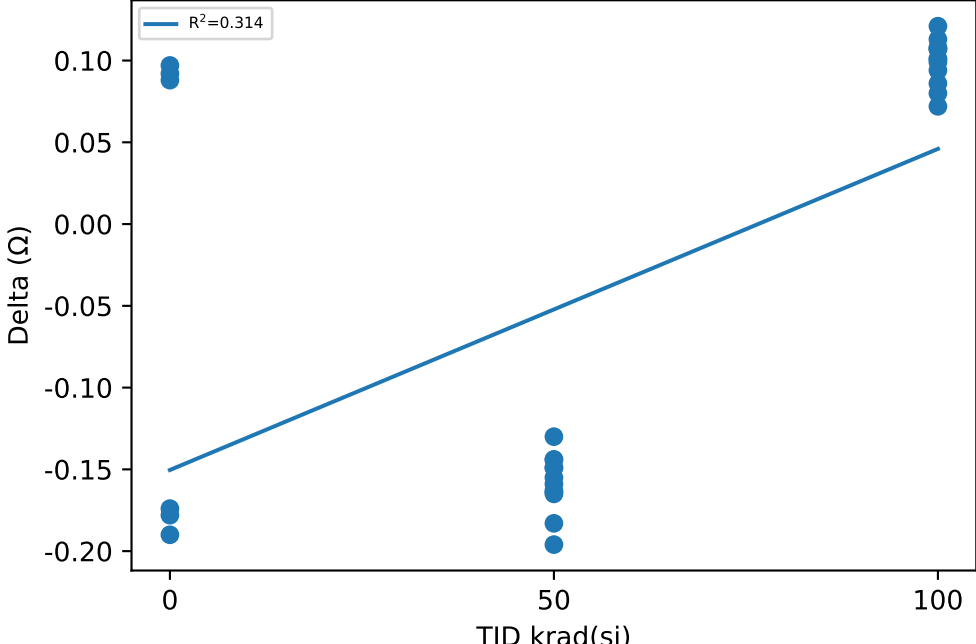


Device Test: 18.23 ; WDO RPMOS HIGH V

## TID vs Result Stats



## TID vs Post - Pre Exposure Delta



### Test Results (Upper Limit = 20.0 ( $\Omega$ ))

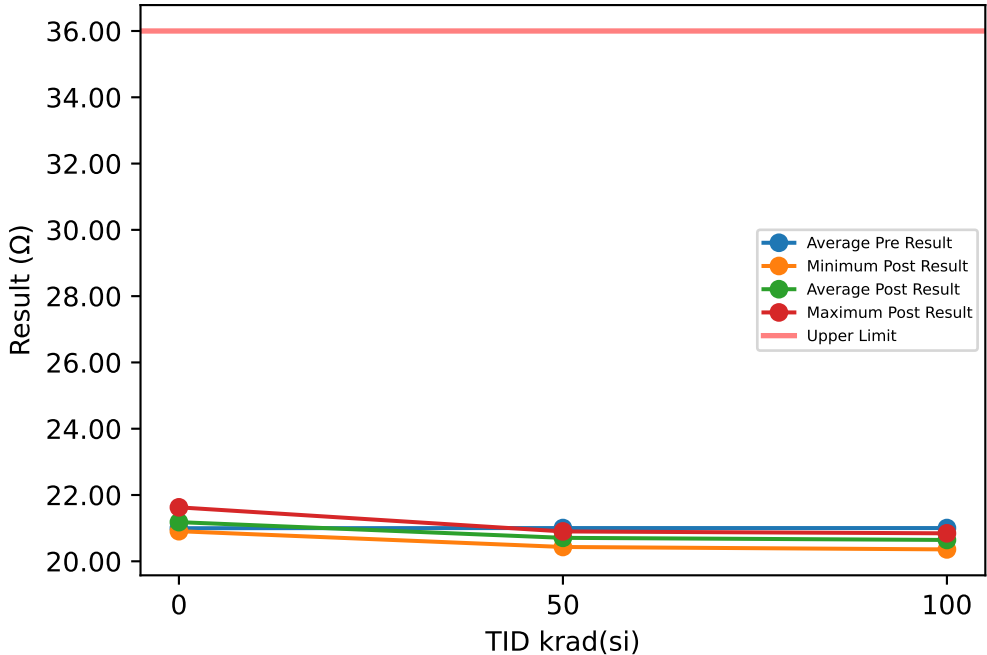
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 9.096      | 8.918       | -0.178 |
| 201      | 0        | Correlation         | 9.078      | 8.888       | -0.19  |
| 202      | 0        | Correlation         | 9.143      | 8.969       | -0.174 |
| 203      | 50       | Biased              | 9.093      | 8.897       | -0.196 |
| 204      | 50       | Biased              | 9.149      | 8.986       | -0.163 |
| 205      | 50       | Biased              | 9.2        | 9.07        | -0.13  |
| 206      | 50       | Biased              | 9.219      | 9.064       | -0.155 |
| 207      | 50       | Biased              | 9.178      | 9.019       | -0.159 |
| 208      | 50       | Biased              | 9.075      | 8.91        | -0.165 |
| 209      | 50       | Unbiased            | 9.096      | 8.932       | -0.164 |
| 210      | 50       | Unbiased            | 9.175      | 9.031       | -0.144 |
| 211      | 50       | Unbiased            | 9.164      | 9.02        | -0.144 |
| 212      | 50       | Unbiased            | 9.02       | 8.837       | -0.183 |
| 213      | 50       | Unbiased            | 9.129      | 8.98        | -0.149 |
| 214      | 50       | Unbiased            | 9.141      | 8.992       | -0.149 |
| 1200     | 0        | Correlation         | 9.096      | 9.193       | 0.097  |
| 1201     | 0        | Correlation         | 9.078      | 9.17        | 0.092  |
| 1202     | 0        | Correlation         | 9.143      | 9.231       | 0.088  |
| 1203     | 100      | Biased              | 9.093      | 9.165       | 0.072  |
| 1204     | 100      | Biased              | 9.149      | 9.229       | 0.08   |
| 1205     | 100      | Biased              | 9.2        | 9.294       | 0.094  |
| 1206     | 100      | Biased              | 9.219      | 9.32        | 0.101  |
| 1207     | 100      | Biased              | 9.178      | 9.264       | 0.086  |
| 1208     | 100      | Biased              | 9.075      | 9.182       | 0.107  |
| 1209     | 100      | Unbiased            | 9.096      | 9.217       | 0.121  |
| 1210     | 100      | Unbiased            | 9.175      | 9.276       | 0.101  |
| 1211     | 100      | Unbiased            | 9.164      | 9.277       | 0.113  |
| 1212     | 100      | Unbiased            | 9.02       | 9.128       | 0.108  |
| 1213     | 100      | Unbiased            | 9.129      | 9.236       | 0.107  |
| 1214     | 100      | Unbiased            | 9.141      | 9.24        | 0.099  |

## Test Statistics ( $\Omega$ )

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 9.078            | 9.1057           | 9.143            | 0.030018         | 8.888             | 9.0615            | 9.231             | 0.153             | -0.19     | -0.044167 | 0.097     | 0.14965   |
| 50       | 9.02             | 9.1366           | 9.219            | 0.057143         | 8.837             | 8.9782            | 9.07              | 0.07107           | -0.196    | -0.15842  | -0.13     | 0.017901  |
| 100      | 9.02             | 9.1366           | 9.219            | 0.057143         | 9.128             | 9.2357            | 9.32              | 0.056028          | 0.072     | 0.099083  | 0.121     | 0.014081  |

Device Test: 18.24 ; RESET\_RNMOS

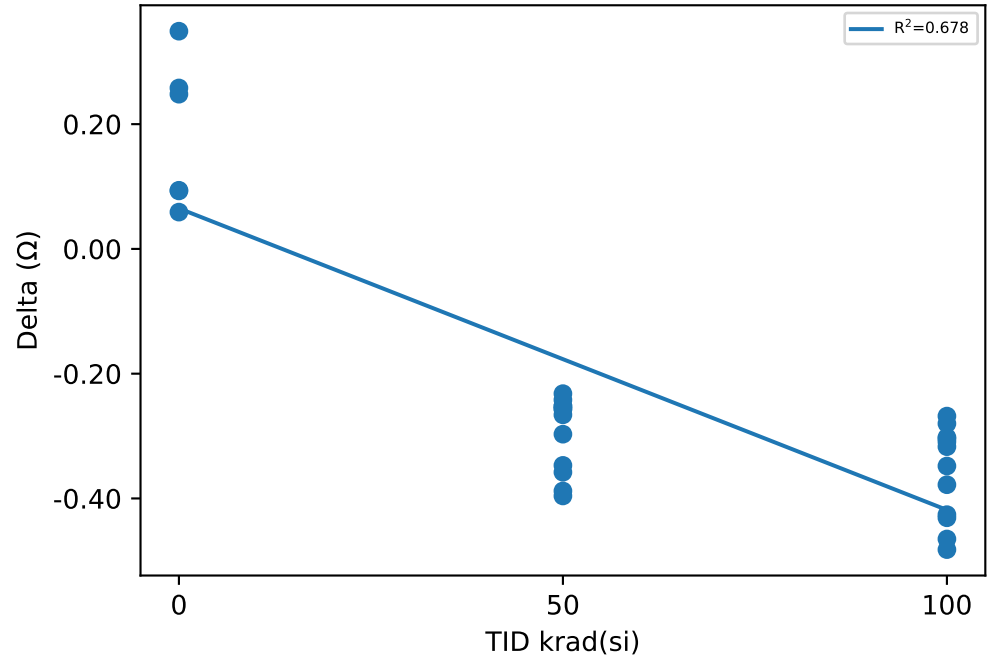
TID vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 20.902     | 20.995      | 0.093  |
| 201      | 0        | Correlation         | 20.814     | 20.908      | 0.094  |
| 202      | 0        | Correlation         | 21.279     | 21.338      | 0.059  |
| 203      | 50       | Biased              | 21.098     | 20.832      | -0.266 |
| 204      | 50       | Biased              | 20.964     | 20.722      | -0.242 |
| 205      | 50       | Biased              | 21.019     | 20.787      | -0.232 |
| 206      | 50       | Biased              | 20.972     | 20.72       | -0.252 |
| 207      | 50       | Biased              | 21.153     | 20.901      | -0.252 |
| 208      | 50       | Biased              | 21.072     | 20.816      | -0.256 |
| 209      | 50       | Unbiased            | 20.931     | 20.584      | -0.347 |
| 210      | 50       | Unbiased            | 20.78      | 20.483      | -0.297 |
| 211      | 50       | Unbiased            | 21.082     | 20.825      | -0.257 |
| 212      | 50       | Unbiased            | 20.79      | 20.432      | -0.358 |
| 213      | 50       | Unbiased            | 21.02      | 20.632      | -0.388 |
| 214      | 50       | Unbiased            | 21.155     | 20.759      | -0.396 |
| 1200     | 0        | Correlation         | 20.902     | 21.16       | 0.258  |
| 1201     | 0        | Correlation         | 20.814     | 21.062      | 0.248  |
| 1202     | 0        | Correlation         | 21.279     | 21.628      | 0.349  |
| 1203     | 100      | Biased              | 21.098     | 20.75       | -0.348 |
| 1204     | 100      | Biased              | 20.964     | 20.647      | -0.317 |
| 1205     | 100      | Biased              | 21.019     | 20.715      | -0.304 |
| 1206     | 100      | Biased              | 20.972     | 20.704      | -0.268 |
| 1207     | 100      | Biased              | 21.153     | 20.844      | -0.309 |
| 1208     | 100      | Biased              | 21.072     | 20.77       | -0.302 |
| 1209     | 100      | Unbiased            | 20.931     | 20.505      | -0.426 |
| 1210     | 100      | Unbiased            | 20.78      | 20.402      | -0.378 |
| 1211     | 100      | Unbiased            | 21.082     | 20.802      | -0.28  |
| 1212     | 100      | Unbiased            | 20.79      | 20.359      | -0.431 |
| 1213     | 100      | Unbiased            | 21.02      | 20.555      | -0.465 |
| 1214     | 100      | Unbiased            | 21.155     | 20.673      | -0.482 |

TID vs Post - Pre Exposure Delta

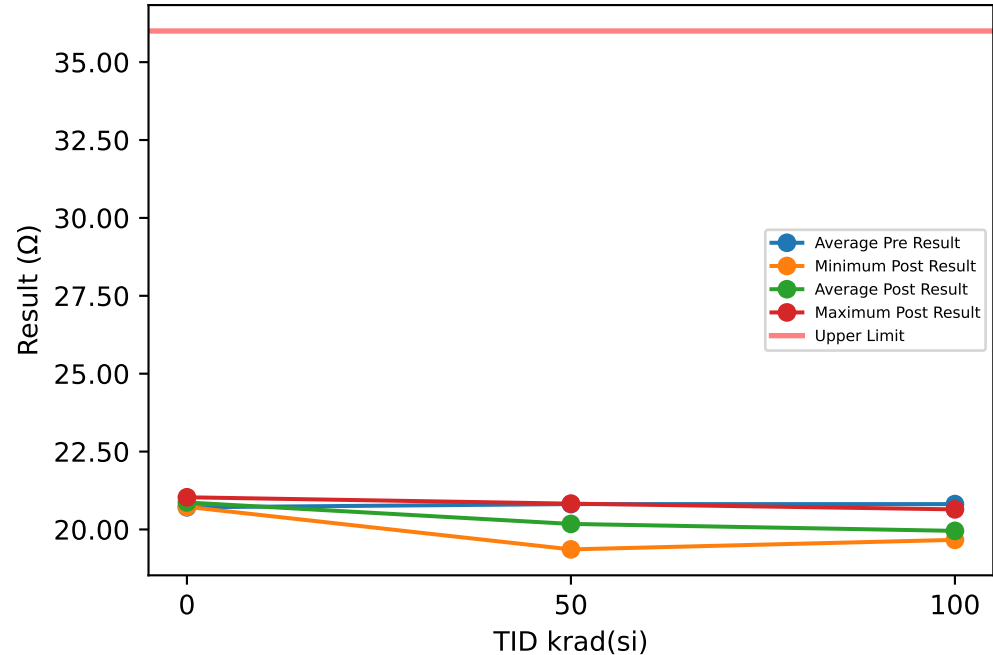


Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 20.814           | 20.998           | 21.279           | 0.22094          | 20.908            | 21.182            | 21.628            | 0.26389           | 0.059     | 0.1835    | 0.349     | 0.1173    |
| 50       | 20.78            | 21.003           | 21.155           | 0.12393          | 20.432            | 20.708            | 20.901            | 0.1462            | -0.396    | -0.29525  | -0.232    | 0.060158  |
| 100      | 20.78            | 21.003           | 21.155           | 0.12393          | 20.359            | 20.644            | 20.844            | 0.15626           | -0.482    | -0.35917  | -0.268    | 0.074821  |

Device Test: 18.25 ; RESET\_RNMOS

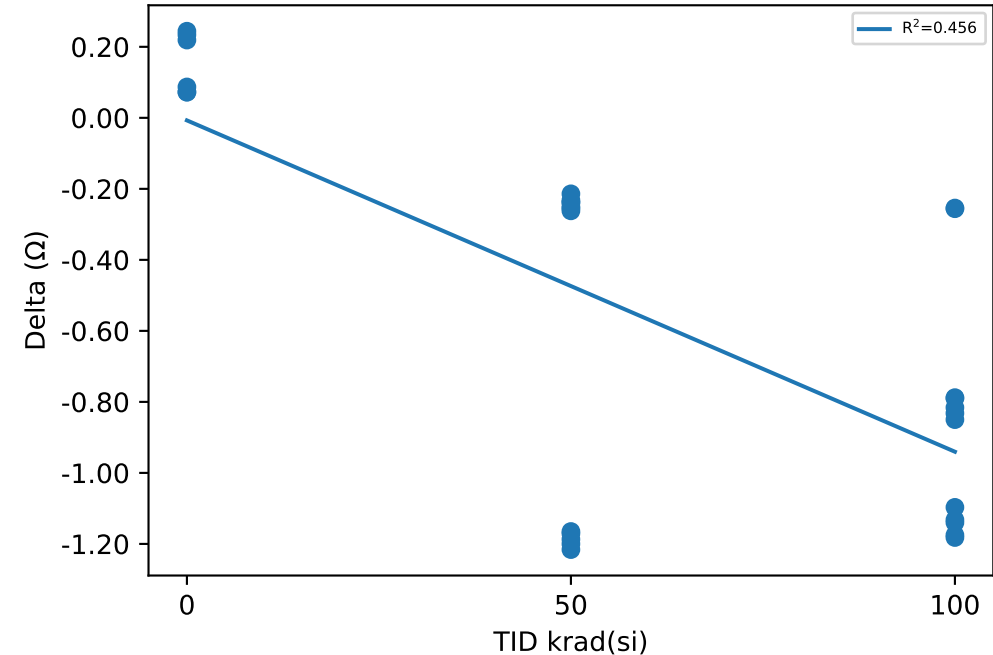
TID vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 20.799     | 20.871      | 0.072  |
| 201      | 0        | Correlation         | 20.639     | 20.726      | 0.087  |
| 202      | 0        | Correlation         | 20.696     | 20.769      | 0.073  |
| 203      | 50       | Biased              | 20.982     | 20.727      | -0.255 |
| 204      | 50       | Biased              | 20.852     | 20.59       | -0.262 |
| 205      | 50       | Biased              | 21.068     | 20.829      | -0.239 |
| 206      | 50       | Biased              | 20.646     | 20.414      | -0.232 |
| 207      | 50       | Biased              | 21.039     | 20.788      | -0.251 |
| 208      | 50       | Biased              | 20.763     | 20.549      | -0.214 |
| 209      | 50       | Unbiased            | 20.599     | 19.434      | -1.165 |
| 210      | 50       | Unbiased            | 20.79      | 19.619      | -1.171 |
| 211      | 50       | Unbiased            | 20.901     | 20.663      | -0.238 |
| 212      | 50       | Unbiased            | 20.547     | 19.36       | -1.187 |
| 213      | 50       | Unbiased            | 20.859     | 19.643      | -1.216 |
| 214      | 50       | Unbiased            | 20.721     | 19.521      | -1.2   |
| 1200     | 0        | Correlation         | 20.799     | 21.033      | 0.234  |
| 1201     | 0        | Correlation         | 20.639     | 20.883      | 0.244  |
| 1202     | 0        | Correlation         | 20.696     | 20.915      | 0.219  |
| 1203     | 100      | Biased              | 20.982     | 19.8        | -1.182 |
| 1204     | 100      | Biased              | 20.852     | 19.677      | -1.175 |
| 1205     | 100      | Biased              | 21.068     | 19.936      | -1.132 |
| 1206     | 100      | Biased              | 20.646     | 20.392      | -0.254 |
| 1207     | 100      | Biased              | 21.039     | 19.899      | -1.14  |
| 1208     | 100      | Biased              | 20.763     | 19.666      | -1.097 |
| 1209     | 100      | Unbiased            | 20.599     | 19.811      | -0.788 |
| 1210     | 100      | Unbiased            | 20.79      | 20          | -0.79  |
| 1211     | 100      | Unbiased            | 20.901     | 20.645      | -0.256 |
| 1212     | 100      | Unbiased            | 20.547     | 19.731      | -0.816 |
| 1213     | 100      | Unbiased            | 20.859     | 20.009      | -0.85  |
| 1214     | 100      | Unbiased            | 20.721     | 19.889      | -0.832 |

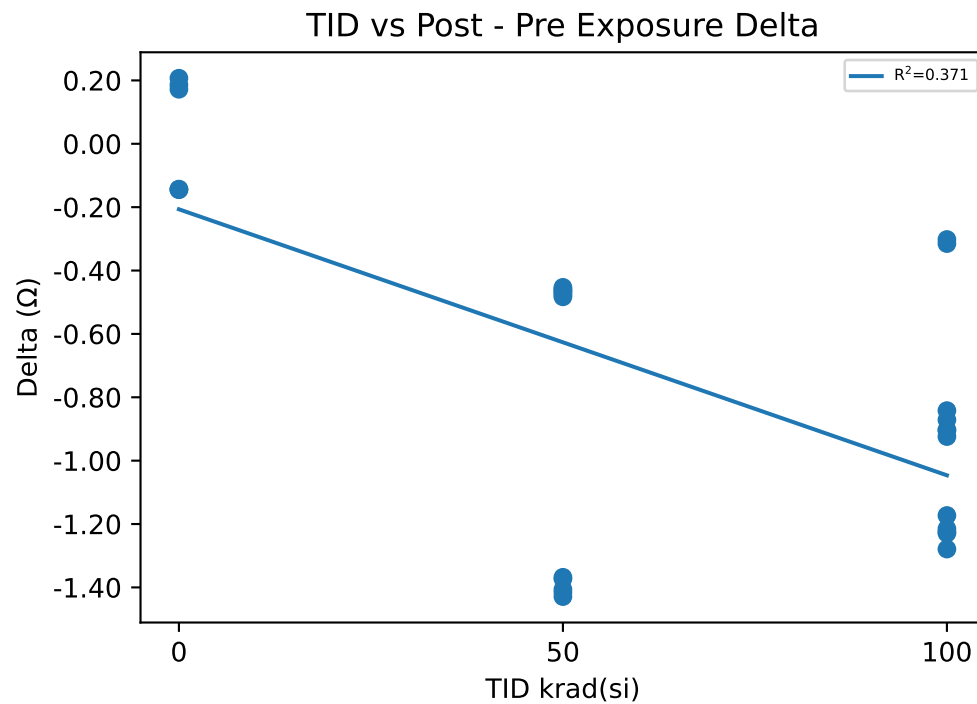
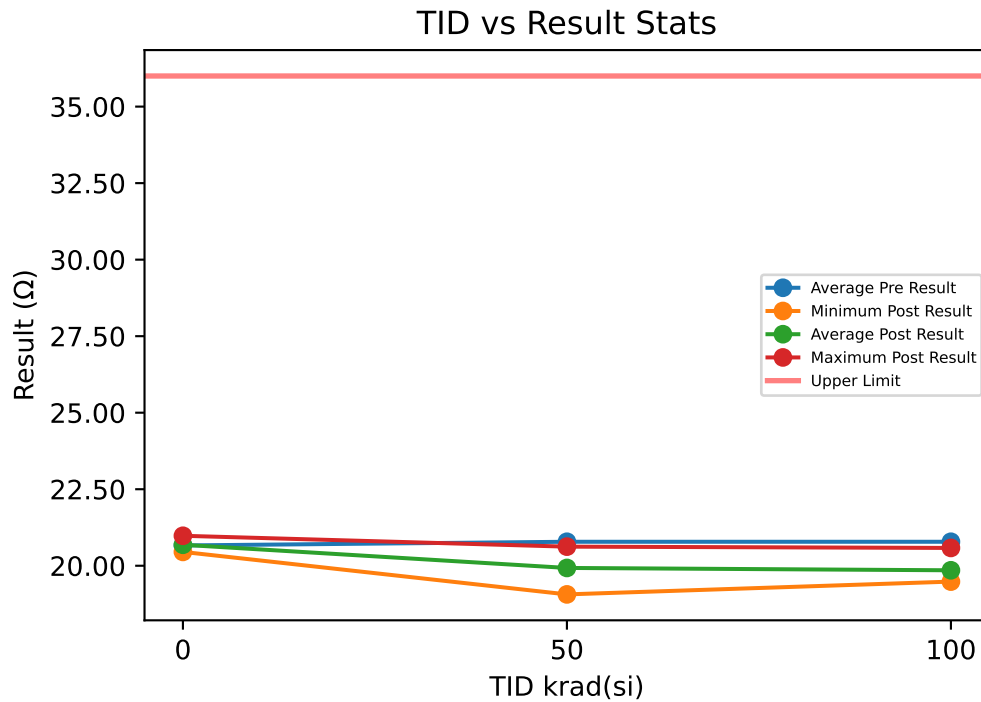
TID vs Post - Pre Exposure Delta



Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 20.639           | 20.711           | 20.799           | 0.072533         | 20.726            | 20.866            | 21.033            | 0.10919           | 0.072     | 0.15483   | 0.244     | 0.085434  |
| 50       | 20.547           | 20.814           | 21.068           | 0.16841          | 19.36             | 20.178            | 20.829            | 0.59914           | -1.216    | -0.63583  | -0.214    | 0.48755   |
| 100      | 20.547           | 20.814           | 21.068           | 0.16841          | 19.666            | 19.955            | 20.645            | 0.29164           | -1.182    | -0.85933  | -0.254    | 0.32424   |

## Device Test: 18.26 ; RESET\_RNMOS



Test Results (Upper Limit = 36.0 ( $\Omega$ ))

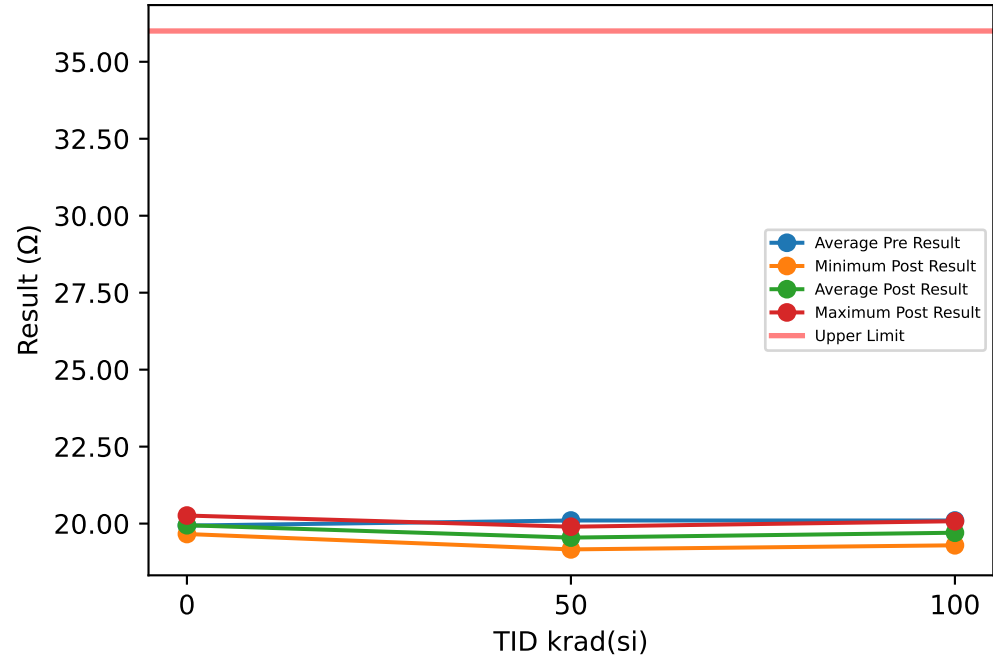
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 20.772     | 20.627      | -0.145 |
| 201      | 0        | Correlation         | 20.595     | 20.452      | -0.143 |
| 202      | 0        | Correlation         | 20.623     | 20.479      | -0.144 |
| 203      | 50       | Biased              | 21.05      | 20.567      | -0.483 |
| 204      | 50       | Biased              | 20.707     | 20.237      | -0.47  |
| 205      | 50       | Biased              | 21.082     | 20.624      | -0.458 |
| 206      | 50       | Biased              | 20.628     | 20.15       | -0.478 |
| 207      | 50       | Biased              | 21.029     | 20.576      | -0.453 |
| 208      | 50       | Biased              | 20.713     | 20.25       | -0.463 |
| 209      | 50       | Unbiased            | 20.688     | 19.272      | -1.416 |
| 210      | 50       | Unbiased            | 20.684     | 19.316      | -1.368 |
| 211      | 50       | Unbiased            | 20.884     | 20.417      | -0.467 |
| 212      | 50       | Unbiased            | 20.437     | 19.064      | -1.373 |
| 213      | 50       | Unbiased            | 20.863     | 19.434      | -1.429 |
| 214      | 50       | Unbiased            | 20.637     | 19.231      | -1.406 |
| 1200     | 0        | Correlation         | 20.772     | 20.979      | 0.207  |
| 1201     | 0        | Correlation         | 20.595     | 20.781      | 0.186  |
| 1202     | 0        | Correlation         | 20.623     | 20.795      | 0.172  |
| 1203     | 100      | Biased              | 21.05      | 19.771      | -1.279 |
| 1204     | 100      | Biased              | 20.707     | 19.482      | -1.225 |
| 1205     | 100      | Biased              | 21.082     | 19.867      | -1.215 |
| 1206     | 100      | Biased              | 20.628     | 20.313      | -0.315 |
| 1207     | 100      | Biased              | 21.029     | 19.8        | -1.229 |
| 1208     | 100      | Biased              | 20.713     | 19.54       | -1.173 |
| 1209     | 100      | Unbiased            | 20.688     | 19.784      | -0.904 |
| 1210     | 100      | Unbiased            | 20.684     | 19.842      | -0.842 |
| 1211     | 100      | Unbiased            | 20.884     | 20.582      | -0.302 |
| 1212     | 100      | Unbiased            | 20.437     | 19.566      | -0.871 |
| 1213     | 100      | Unbiased            | 20.863     | 19.939      | -0.924 |
| 1214     | 100      | Unbiased            | 20.637     | 19.734      | -0.903 |

### Test Statistics ( $\Omega$ )

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 20.595           | 20.663           | 20.772           | 0.085099         | 20.452            | 20.686            | 20.979            | 0.20388           | -0.145    | 0.022167  | 0.207     | 0.18237   |
| 50       | 20.437           | 20.784           | 21.082           | 0.19826          | 19.064            | 19.928            | 20.624            | 0.60913           | -1.429    | -0.85533  | -0.453    | 0.47972   |
| 100      | 20.437           | 20.784           | 21.082           | 0.19826          | 19.482            | 19.852            | 20.582            | 0.31582           | -1.279    | -0.93183  | -0.302    | 0.33354   |

Device Test: 18.27 ; RESET\_RNMOS

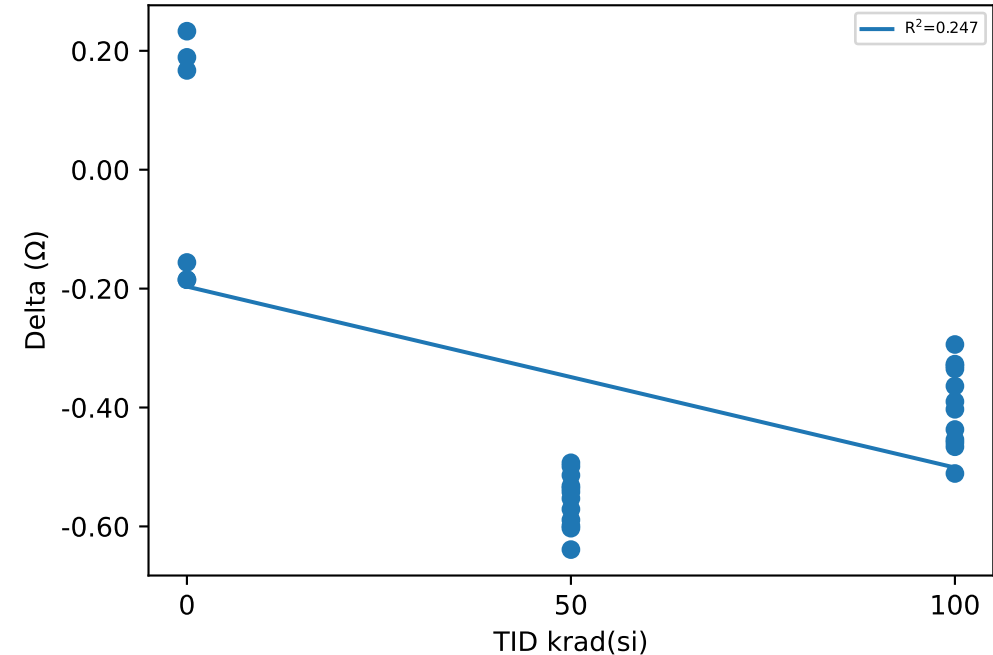
TID vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 20.029     | 19.873      | -0.156 |
| 201      | 0        | Correlation         | 19.847     | 19.662      | -0.185 |
| 202      | 0        | Correlation         | 19.933     | 19.748      | -0.185 |
| 203      | 50       | Biased              | 20.42      | 19.867      | -0.553 |
| 204      | 50       | Biased              | 19.951     | 19.437      | -0.514 |
| 205      | 50       | Biased              | 20.379     | 19.847      | -0.532 |
| 206      | 50       | Biased              | 19.959     | 19.46       | -0.499 |
| 207      | 50       | Biased              | 20.441     | 19.899      | -0.542 |
| 208      | 50       | Biased              | 19.947     | 19.454      | -0.493 |
| 209      | 50       | Unbiased            | 19.969     | 19.38       | -0.589 |
| 210      | 50       | Unbiased            | 19.996     | 19.425      | -0.571 |
| 211      | 50       | Unbiased            | 20.203     | 19.667      | -0.536 |
| 212      | 50       | Unbiased            | 19.761     | 19.162      | -0.599 |
| 213      | 50       | Unbiased            | 20.24      | 19.601      | -0.639 |
| 214      | 50       | Unbiased            | 19.944     | 19.341      | -0.603 |
| 1200     | 0        | Correlation         | 20.029     | 20.262      | 0.233  |
| 1201     | 0        | Correlation         | 19.847     | 20.036      | 0.189  |
| 1202     | 0        | Correlation         | 19.933     | 20.1        | 0.167  |
| 1203     | 100      | Biased              | 20.42      | 20.017      | -0.403 |
| 1204     | 100      | Biased              | 19.951     | 19.616      | -0.335 |
| 1205     | 100      | Biased              | 20.379     | 19.989      | -0.39  |
| 1206     | 100      | Biased              | 19.959     | 19.665      | -0.294 |
| 1207     | 100      | Biased              | 20.441     | 20.077      | -0.364 |
| 1208     | 100      | Biased              | 19.947     | 19.62       | -0.327 |
| 1209     | 100      | Unbiased            | 19.969     | 19.515      | -0.454 |
| 1210     | 100      | Unbiased            | 19.996     | 19.559      | -0.437 |
| 1211     | 100      | Unbiased            | 20.203     | 19.873      | -0.33  |
| 1212     | 100      | Unbiased            | 19.761     | 19.295      | -0.466 |
| 1213     | 100      | Unbiased            | 20.24      | 19.729      | -0.511 |
| 1214     | 100      | Unbiased            | 19.944     | 19.485      | -0.459 |

TID vs Post - Pre Exposure Delta



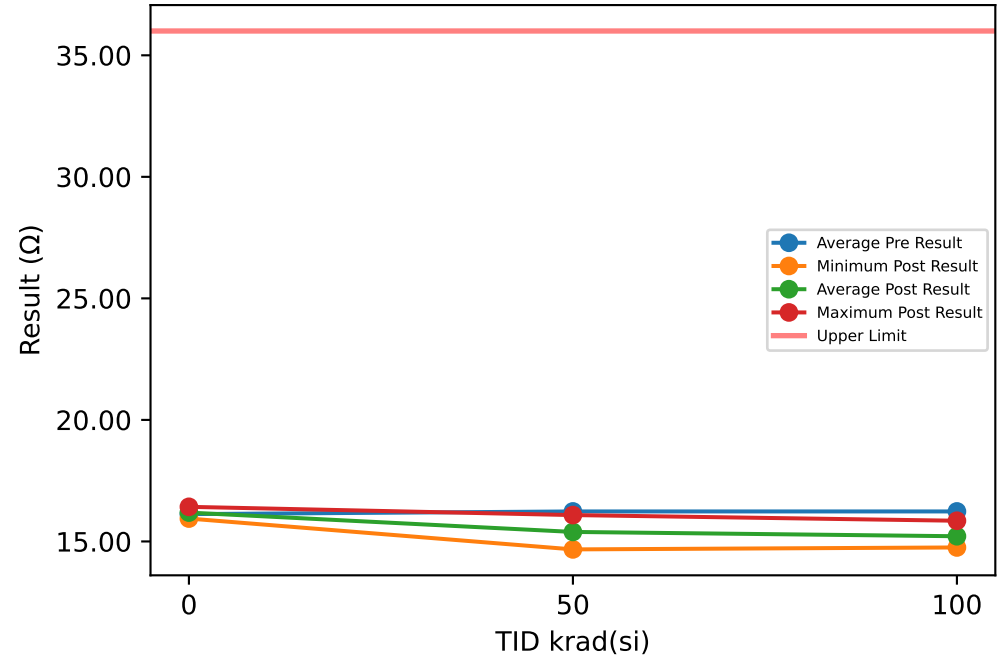
Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 19.847           | 19.936           | 20.029           | 0.081434         | 19.662            | 19.947            | 20.262            | 0.22665           | -0.185    | 0.0105    | 0.233     | 0.20495   |
| 50       | 19.761           | 20.101           | 20.441           | 0.22552          | 19.162            | 19.545            | 19.899            | 0.23264           | -0.639    | -0.55583  | -0.493    | 0.04515   |
| 100      | 19.761           | 20.101           | 20.441           | 0.22552          | 19.295            | 19.703            | 20.077            | 0.24042           | -0.511    | -0.3975   | -0.294    | 0.068399  |



Device Test: 18.28 ; PWRGD\_RNMOS

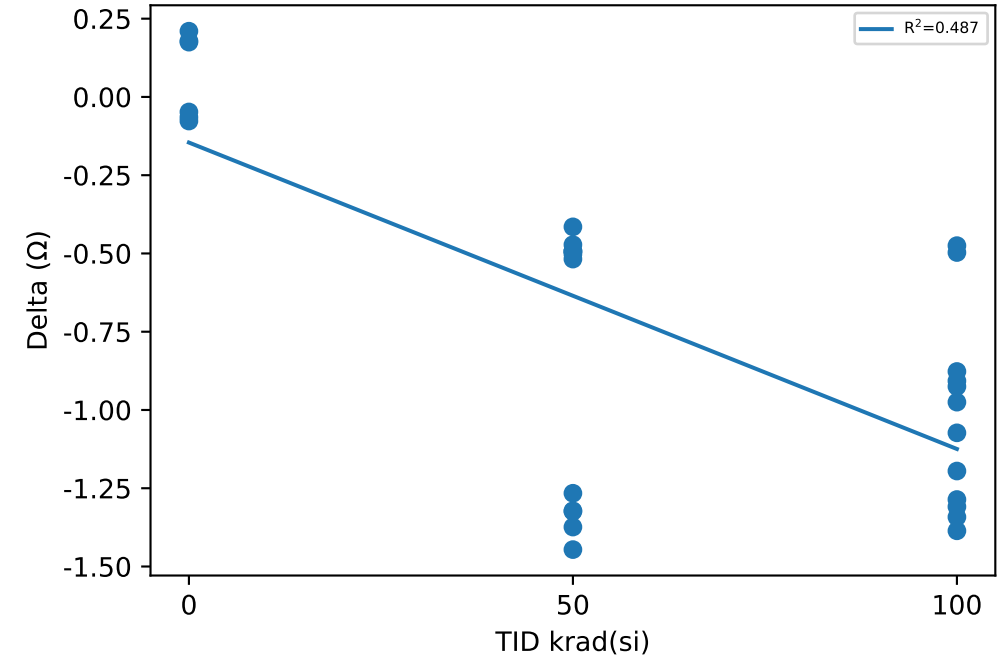
TID vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 16.249     | 16.172      | -0.077 |
| 201      | 0        | Correlation         | 15.99      | 15.942      | -0.048 |
| 202      | 0        | Correlation         | 16.137     | 16.072      | -0.065 |
| 203      | 50       | Biased              | 16.213     | 15.719      | -0.494 |
| 204      | 50       | Biased              | 15.948     | 15.533      | -0.415 |
| 205      | 50       | Biased              | 16.557     | 16.085      | -0.472 |
| 206      | 50       | Biased              | 16.335     | 15.817      | -0.518 |
| 207      | 50       | Biased              | 16.457     | 15.964      | -0.493 |
| 208      | 50       | Biased              | 16.282     | 15.79       | -0.492 |
| 209      | 50       | Unbiased            | 15.984     | 14.718      | -1.266 |
| 210      | 50       | Unbiased            | 16.131     | 14.807      | -1.324 |
| 211      | 50       | Unbiased            | 16.327     | 15.825      | -0.502 |
| 212      | 50       | Unbiased            | 15.995     | 14.673      | -1.322 |
| 213      | 50       | Unbiased            | 16.428     | 14.982      | -1.446 |
| 214      | 50       | Unbiased            | 16.16      | 14.786      | -1.374 |
| 1200     | 0        | Correlation         | 16.249     | 16.424      | 0.175  |
| 1201     | 0        | Correlation         | 15.99      | 16.2        | 0.21   |
| 1202     | 0        | Correlation         | 16.137     | 16.316      | 0.179  |
| 1203     | 100      | Biased              | 16.213     | 14.904      | -1.309 |
| 1204     | 100      | Biased              | 15.948     | 14.753      | -1.195 |
| 1205     | 100      | Biased              | 16.557     | 15.171      | -1.386 |
| 1206     | 100      | Biased              | 16.335     | 15.838      | -0.497 |
| 1207     | 100      | Biased              | 16.457     | 15.115      | -1.342 |
| 1208     | 100      | Biased              | 16.282     | 14.996      | -1.286 |
| 1209     | 100      | Unbiased            | 15.984     | 15.107      | -0.877 |
| 1210     | 100      | Unbiased            | 16.131     | 15.206      | -0.925 |
| 1211     | 100      | Unbiased            | 16.327     | 15.852      | -0.475 |
| 1212     | 100      | Unbiased            | 15.995     | 15.088      | -0.907 |
| 1213     | 100      | Unbiased            | 16.428     | 15.355      | -1.073 |
| 1214     | 100      | Unbiased            | 16.16      | 15.185      | -0.975 |

TID vs Post - Pre Exposure Delta

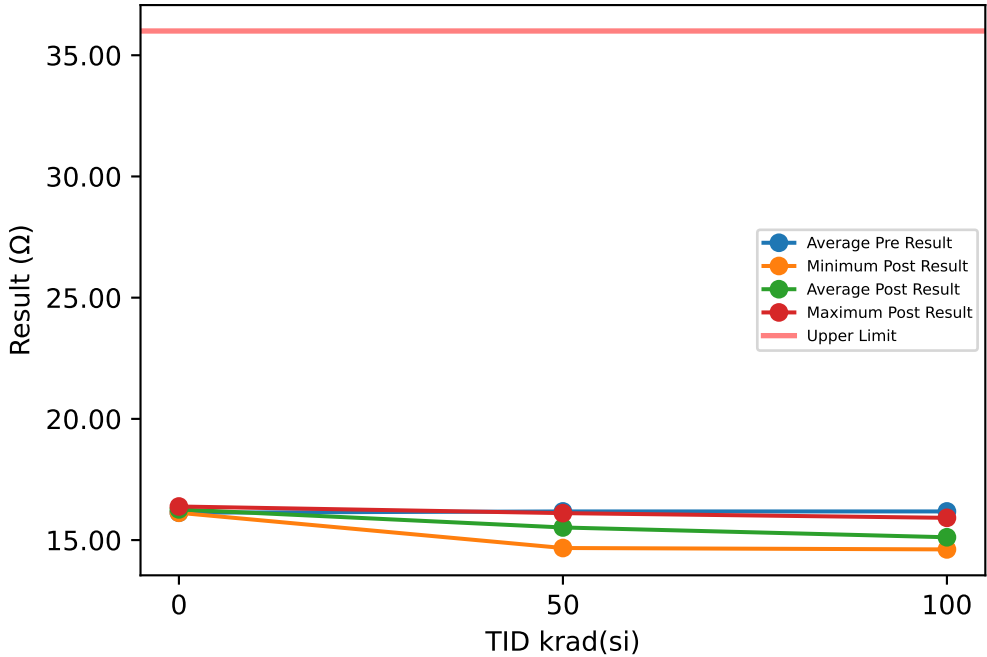


Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 15.99            | 16.125           | 16.249           | 0.11618          | 15.942            | 16.188            | 16.424            | 0.17114           | -0.077    | 0.062333  | 0.21      | 0.1385    |
| 50       | 15.948           | 16.235           | 16.557           | 0.19789          | 14.673            | 15.392            | 16.085            | 0.54852           | -1.446    | -0.84317  | -0.415    | 0.44676   |
| 100      | 15.948           | 16.235           | 16.557           | 0.19789          | 14.753            | 15.214            | 15.852            | 0.33198           | -1.386    | -1.0206   | -0.475    | 0.30751   |

Device Test: 18.29 ; WDO\_RNMOS

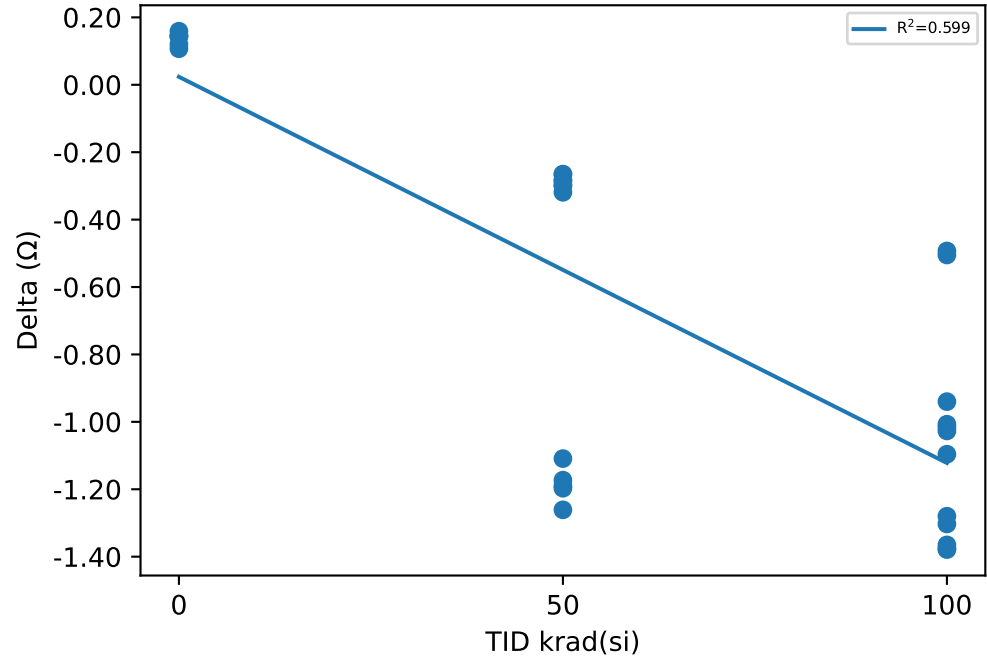
TID vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 16.242     | 16.386      | 0.144  |
| 201      | 0        | Correlation         | 15.981     | 16.126      | 0.145  |
| 202      | 0        | Correlation         | 16.167     | 16.287      | 0.12   |
| 203      | 50       | Biased              | 16.129     | 15.831      | -0.298 |
| 204      | 50       | Biased              | 15.896     | 15.631      | -0.265 |
| 205      | 50       | Biased              | 16.357     | 16.072      | -0.285 |
| 206      | 50       | Biased              | 16.355     | 16.036      | -0.319 |
| 207      | 50       | Biased              | 16.365     | 16.082      | -0.283 |
| 208      | 50       | Biased              | 16.11      | 15.844      | -0.266 |
| 209      | 50       | Unbiased            | 16.141     | 14.968      | -1.173 |
| 210      | 50       | Unbiased            | 16.165     | 14.976      | -1.189 |
| 211      | 50       | Unbiased            | 16.411     | 16.112      | -0.299 |
| 212      | 50       | Unbiased            | 15.782     | 14.673      | -1.109 |
| 213      | 50       | Unbiased            | 16.36      | 15.099      | -1.261 |
| 214      | 50       | Unbiased            | 16.115     | 14.918      | -1.197 |
| 1200     | 0        | Correlation         | 16.242     | 16.386      | 0.144  |
| 1201     | 0        | Correlation         | 15.981     | 16.14       | 0.159  |
| 1202     | 0        | Correlation         | 16.167     | 16.274      | 0.107  |
| 1203     | 100      | Biased              | 16.129     | 14.764      | -1.365 |
| 1204     | 100      | Biased              | 15.896     | 14.616      | -1.28  |
| 1205     | 100      | Biased              | 16.357     | 14.981      | -1.376 |
| 1206     | 100      | Biased              | 16.355     | 15.85       | -0.505 |
| 1207     | 100      | Biased              | 16.365     | 14.986      | -1.379 |
| 1208     | 100      | Biased              | 16.11      | 14.807      | -1.303 |
| 1209     | 100      | Unbiased            | 16.141     | 15.134      | -1.007 |
| 1210     | 100      | Unbiased            | 16.165     | 15.149      | -1.016 |
| 1211     | 100      | Unbiased            | 16.411     | 15.918      | -0.493 |
| 1212     | 100      | Unbiased            | 15.782     | 14.842      | -0.94  |
| 1213     | 100      | Unbiased            | 16.36      | 15.264      | -1.096 |
| 1214     | 100      | Unbiased            | 16.115     | 15.088      | -1.027 |

TID vs Post - Pre Exposure Delta

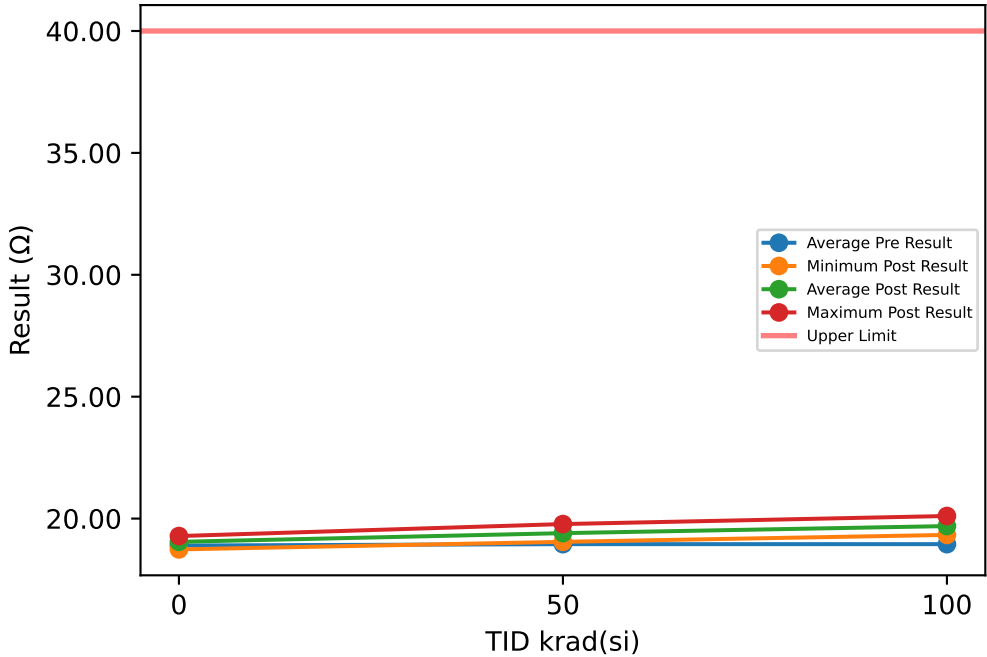


Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 15.981           | 16.13            | 16.242           | 0.12019          | 16.126            | 16.267            | 16.386            | 0.11382           | 0.107     | 0.1365    | 0.159     | 0.019149  |
| 50       | 15.782           | 16.182           | 16.411           | 0.19873          | 14.673            | 15.52             | 16.112            | 0.54847           | -1.261    | -0.662    | -0.265    | 0.46376   |
| 100      | 15.782           | 16.182           | 16.411           | 0.19873          | 14.616            | 15.117            | 15.918            | 0.4029            | -1.379    | -1.0656   | -0.493    | 0.30936   |

Device Test: 18.3 ; RESET\_RPMOS\_LOW\_V

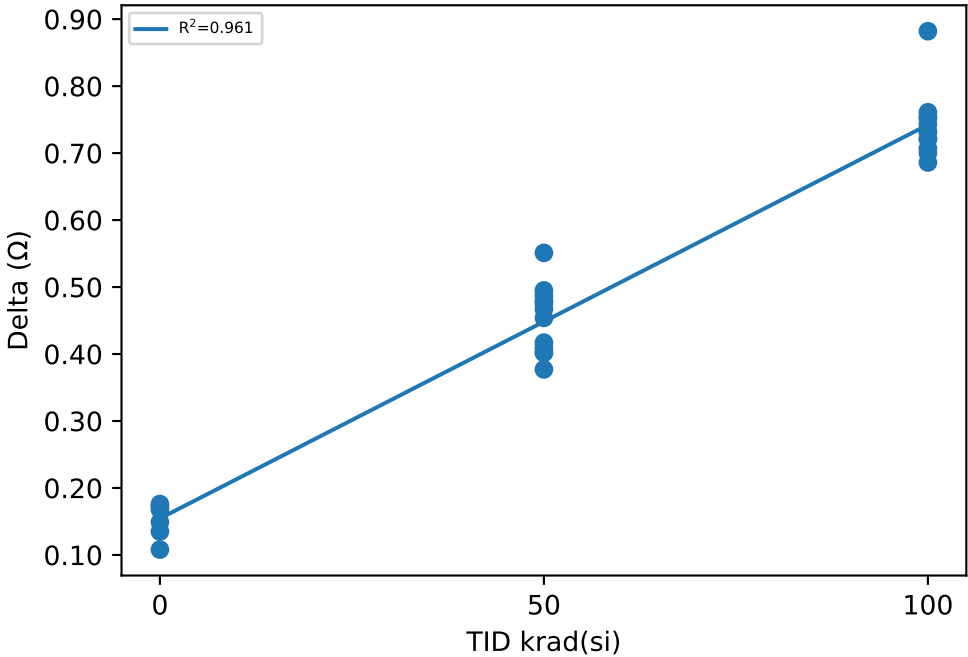
TID vs Result Stats



Test Results (Upper Limit = 40.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|----------|----------|---------------------|------------|-------------|-------|
| 200      | 0        | Correlation         | 18.967     | 19.075      | 0.108 |
| 201      | 0        | Correlation         | 18.601     | 18.736      | 0.135 |
| 202      | 0        | Correlation         | 19.115     | 19.264      | 0.149 |
| 203      | 50       | Biased              | 18.935     | 19.389      | 0.454 |
| 204      | 50       | Biased              | 18.765     | 19.232      | 0.467 |
| 205      | 50       | Biased              | 19.042     | 19.537      | 0.495 |
| 206      | 50       | Biased              | 19.183     | 19.659      | 0.476 |
| 207      | 50       | Biased              | 18.922     | 19.401      | 0.479 |
| 208      | 50       | Biased              | 18.72      | 19.207      | 0.487 |
| 209      | 50       | Unbiased            | 19.018     | 19.427      | 0.409 |
| 210      | 50       | Unbiased            | 18.861     | 19.278      | 0.417 |
| 211      | 50       | Unbiased            | 19.224     | 19.775      | 0.551 |
| 212      | 50       | Unbiased            | 18.644     | 19.046      | 0.402 |
| 213      | 50       | Unbiased            | 19.07      | 19.472      | 0.402 |
| 214      | 50       | Unbiased            | 19.031     | 19.408      | 0.377 |
| 1200     | 0        | Correlation         | 18.967     | 19.14       | 0.173 |
| 1201     | 0        | Correlation         | 18.601     | 18.777      | 0.176 |
| 1202     | 0        | Correlation         | 19.115     | 19.283      | 0.168 |
| 1203     | 100      | Biased              | 18.935     | 19.666      | 0.731 |
| 1204     | 100      | Biased              | 18.765     | 19.486      | 0.721 |
| 1205     | 100      | Biased              | 19.042     | 19.796      | 0.754 |
| 1206     | 100      | Biased              | 19.183     | 19.883      | 0.7   |
| 1207     | 100      | Biased              | 18.922     | 19.674      | 0.752 |
| 1208     | 100      | Biased              | 18.72      | 19.481      | 0.761 |
| 1209     | 100      | Unbiased            | 19.018     | 19.761      | 0.743 |
| 1210     | 100      | Unbiased            | 18.861     | 19.593      | 0.732 |
| 1211     | 100      | Unbiased            | 19.224     | 20.106      | 0.882 |
| 1212     | 100      | Unbiased            | 18.644     | 19.33       | 0.686 |
| 1213     | 100      | Unbiased            | 19.07      | 19.791      | 0.721 |
| 1214     | 100      | Unbiased            | 19.031     | 19.738      | 0.707 |

TID vs Post - Pre Exposure Delta

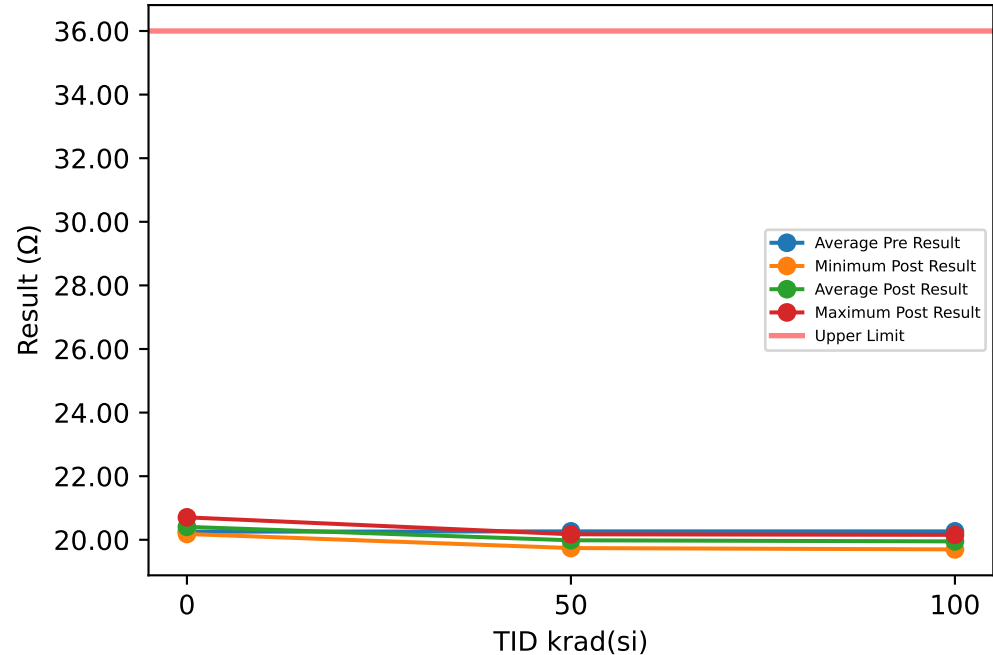


Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 18.601           | 18.894           | 19.115           | 0.23666          | 18.736            | 19.046            | 19.283            | 0.23742           | 0.108     | 0.1515    | 0.176     | 0.026478  |
| 50       | 18.644           | 18.951           | 19.224           | 0.17916          | 19.046            | 19.403            | 19.775            | 0.19958           | 0.377     | 0.45133   | 0.551     | 0.050545  |
| 100      | 18.644           | 18.951           | 19.224           | 0.17916          | 19.33             | 19.692            | 20.106            | 0.20542           | 0.686     | 0.74083   | 0.882     | 0.049925  |

Device Test: 18.30 ; RESET\_RNMOS

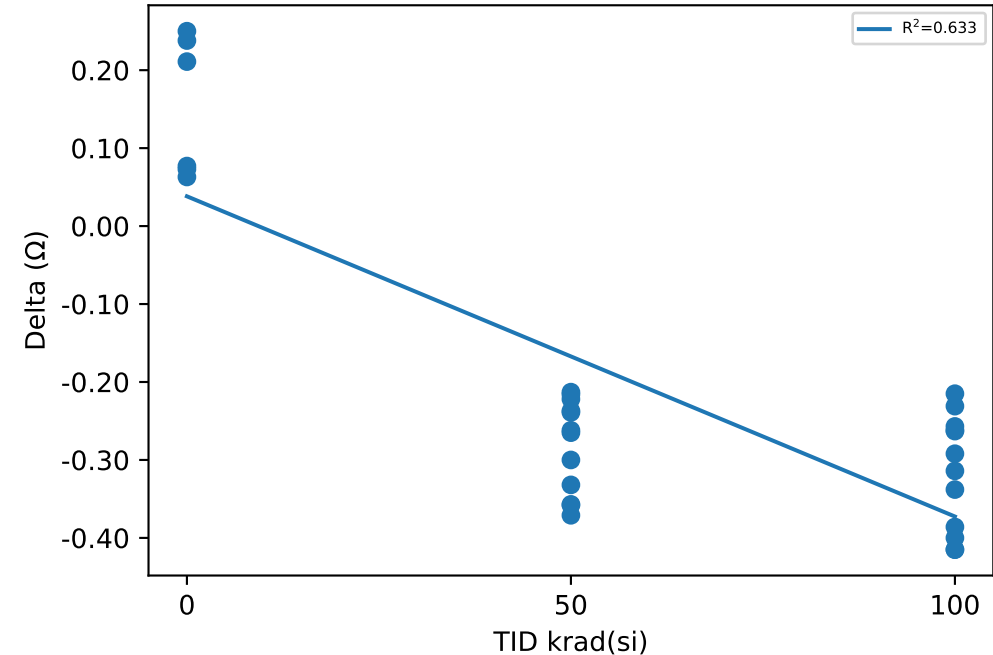
TID vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 20.161     | 20.238      | 0.077  |
| 201      | 0        | Correlation         | 20.11      | 20.183      | 0.073  |
| 202      | 0        | Correlation         | 20.495     | 20.558      | 0.063  |
| 203      | 50       | Biased              | 20.367     | 20.102      | -0.265 |
| 204      | 50       | Biased              | 20.274     | 20.012      | -0.262 |
| 205      | 50       | Biased              | 20.275     | 20.059      | -0.216 |
| 206      | 50       | Biased              | 20.227     | 19.99       | -0.237 |
| 207      | 50       | Biased              | 20.412     | 20.173      | -0.239 |
| 208      | 50       | Biased              | 20.324     | 20.111      | -0.213 |
| 209      | 50       | Unbiased            | 20.214     | 19.882      | -0.332 |
| 210      | 50       | Unbiased            | 20.07      | 19.77       | -0.3   |
| 211      | 50       | Unbiased            | 20.302     | 20.08       | -0.222 |
| 212      | 50       | Unbiased            | 20.098     | 19.74       | -0.358 |
| 213      | 50       | Unbiased            | 20.251     | 19.894      | -0.357 |
| 214      | 50       | Unbiased            | 20.369     | 19.998      | -0.371 |
| 1200     | 0        | Correlation         | 20.161     | 20.411      | 0.25   |
| 1201     | 0        | Correlation         | 20.11      | 20.348      | 0.238  |
| 1202     | 0        | Correlation         | 20.495     | 20.706      | 0.211  |
| 1203     | 100      | Biased              | 20.367     | 20.053      | -0.314 |
| 1204     | 100      | Biased              | 20.274     | 19.982      | -0.292 |
| 1205     | 100      | Biased              | 20.275     | 20.013      | -0.262 |
| 1206     | 100      | Biased              | 20.227     | 19.996      | -0.231 |
| 1207     | 100      | Biased              | 20.412     | 20.155      | -0.257 |
| 1208     | 100      | Biased              | 20.324     | 20.061      | -0.263 |
| 1209     | 100      | Unbiased            | 20.214     | 19.828      | -0.386 |
| 1210     | 100      | Unbiased            | 20.07      | 19.732      | -0.338 |
| 1211     | 100      | Unbiased            | 20.302     | 20.087      | -0.215 |
| 1212     | 100      | Unbiased            | 20.098     | 19.698      | -0.4   |
| 1213     | 100      | Unbiased            | 20.251     | 19.836      | -0.415 |
| 1214     | 100      | Unbiased            | 20.369     | 19.954      | -0.415 |

TID vs Post - Pre Exposure Delta

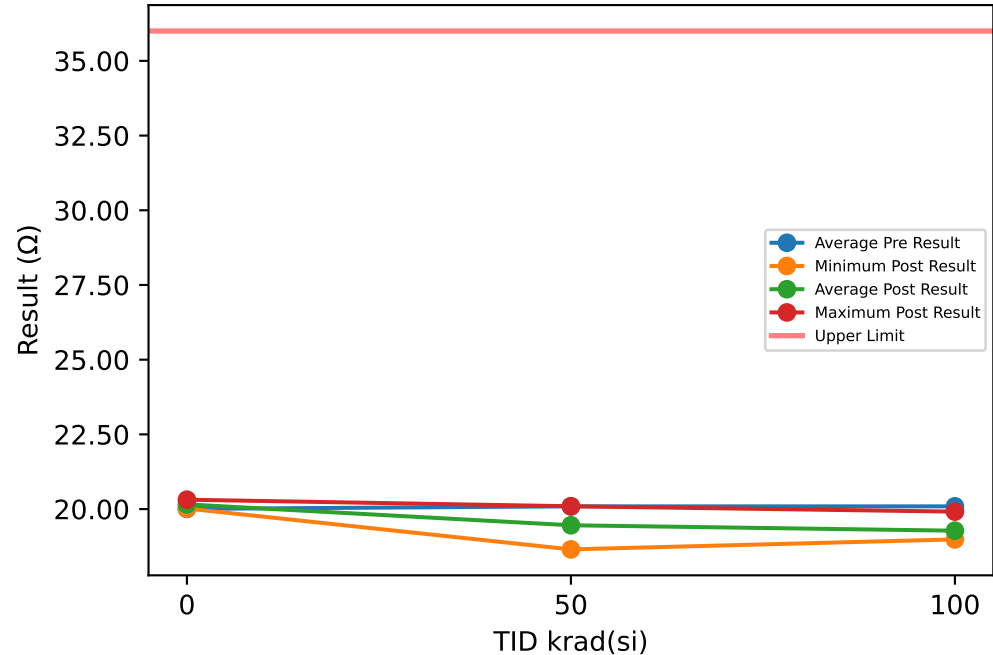


Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 20.11            | 20.255           | 20.495           | 0.18704          | 20.183            | 20.407            | 20.706            | 0.1972            | 0.063     | 0.152     | 0.25      | 0.089742  |
| 50       | 20.07            | 20.265           | 20.412           | 0.10358          | 19.74             | 19.984            | 20.173            | 0.13667           | -0.371    | -0.281    | -0.213    | 0.059859  |
| 100      | 20.07            | 20.265           | 20.412           | 0.10358          | 19.698            | 19.95             | 20.155            | 0.14452           | -0.415    | -0.31567  | -0.215    | 0.073394  |

Device Test: 18.31 ; RESET\_RNMOS

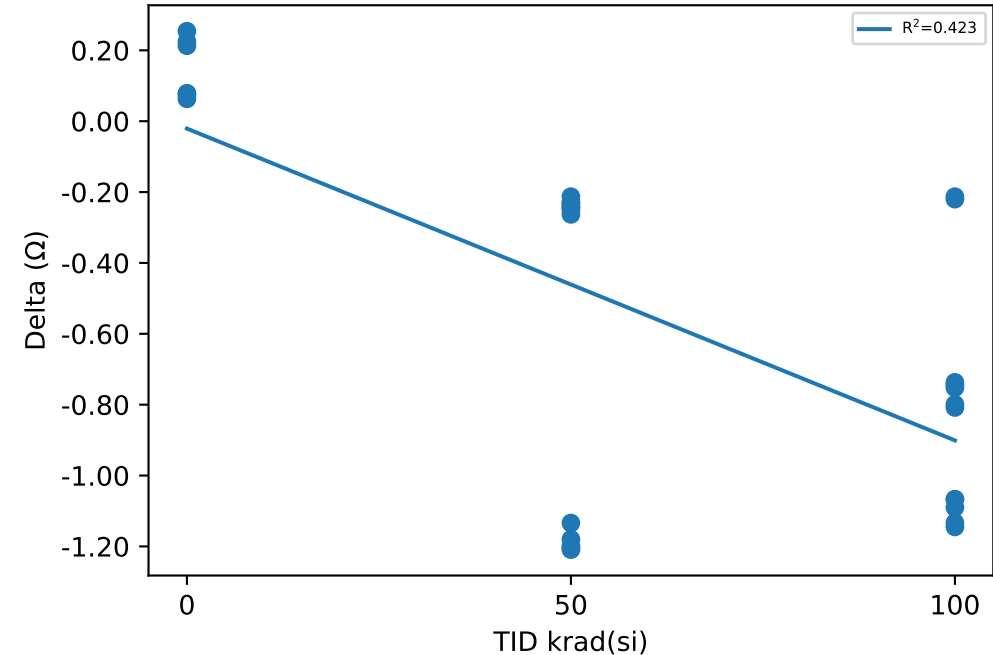
TID vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 20.06      | 20.135      | 0.075  |
| 201      | 0        | Correlation         | 19.956     | 20.019      | 0.063  |
| 202      | 0        | Correlation         | 20.003     | 20.082      | 0.079  |
| 203      | 50       | Biased              | 20.262     | 19.999      | -0.263 |
| 204      | 50       | Biased              | 20.16      | 19.911      | -0.249 |
| 205      | 50       | Biased              | 20.308     | 20.095      | -0.213 |
| 206      | 50       | Biased              | 19.912     | 19.67       | -0.242 |
| 207      | 50       | Biased              | 20.305     | 20.075      | -0.23  |
| 208      | 50       | Biased              | 20.052     | 19.821      | -0.231 |
| 209      | 50       | Unbiased            | 19.923     | 18.743      | -1.18  |
| 210      | 50       | Unbiased            | 20.071     | 18.937      | -1.134 |
| 211      | 50       | Unbiased            | 20.135     | 19.893      | -0.242 |
| 212      | 50       | Unbiased            | 19.857     | 18.651      | -1.206 |
| 213      | 50       | Unbiased            | 20.095     | 18.896      | -1.199 |
| 214      | 50       | Unbiased            | 20.02      | 18.811      | -1.209 |
| 1200     | 0        | Correlation         | 20.06      | 20.314      | 0.254  |
| 1201     | 0        | Correlation         | 19.956     | 20.181      | 0.225  |
| 1202     | 0        | Correlation         | 20.003     | 20.216      | 0.213  |
| 1203     | 100      | Biased              | 20.262     | 19.117      | -1.145 |
| 1204     | 100      | Biased              | 20.16      | 19.027      | -1.133 |
| 1205     | 100      | Biased              | 20.308     | 19.241      | -1.067 |
| 1206     | 100      | Biased              | 19.912     | 19.699      | -0.213 |
| 1207     | 100      | Biased              | 20.305     | 19.215      | -1.09  |
| 1208     | 100      | Biased              | 20.052     | 18.985      | -1.067 |
| 1209     | 100      | Unbiased            | 19.923     | 19.178      | -0.745 |
| 1210     | 100      | Unbiased            | 20.071     | 19.334      | -0.737 |
| 1211     | 100      | Unbiased            | 20.135     | 19.915      | -0.22  |
| 1212     | 100      | Unbiased            | 19.857     | 19.105      | -0.752 |
| 1213     | 100      | Unbiased            | 20.095     | 19.296      | -0.799 |
| 1214     | 100      | Unbiased            | 20.02      | 19.212      | -0.808 |

TID vs Post - Pre Exposure Delta



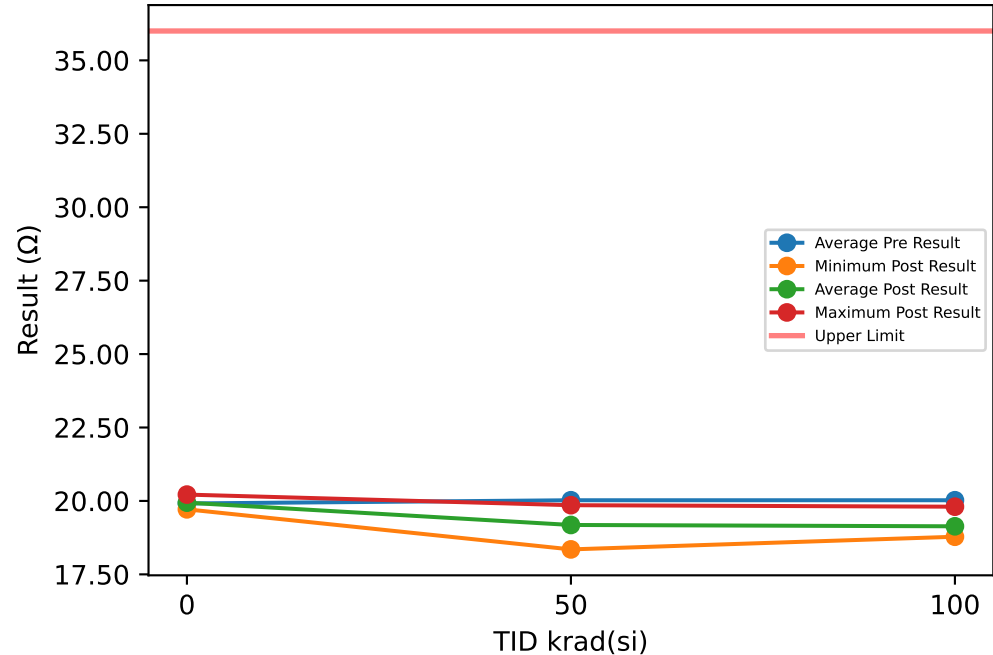
Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 19.956           | 20.006           | 20.06            | 0.046582         | 20.019            | 20.158            | 20.314            | 0.10378           | 0.063     | 0.1515    | 0.254     | 0.087899  |
| 50       | 19.857           | 20.092           | 20.308           | 0.151            | 18.651            | 19.459            | 20.095            | 0.58919           | -1.209    | -0.63317  | -0.213    | 0.48815   |
| 100      | 19.857           | 20.092           | 20.308           | 0.151            | 18.985            | 19.277            | 19.915            | 0.2715            | -1.145    | -0.81467  | -0.213    | 0.32254   |



Device Test: 18.32 ; RESET\_RNMOS

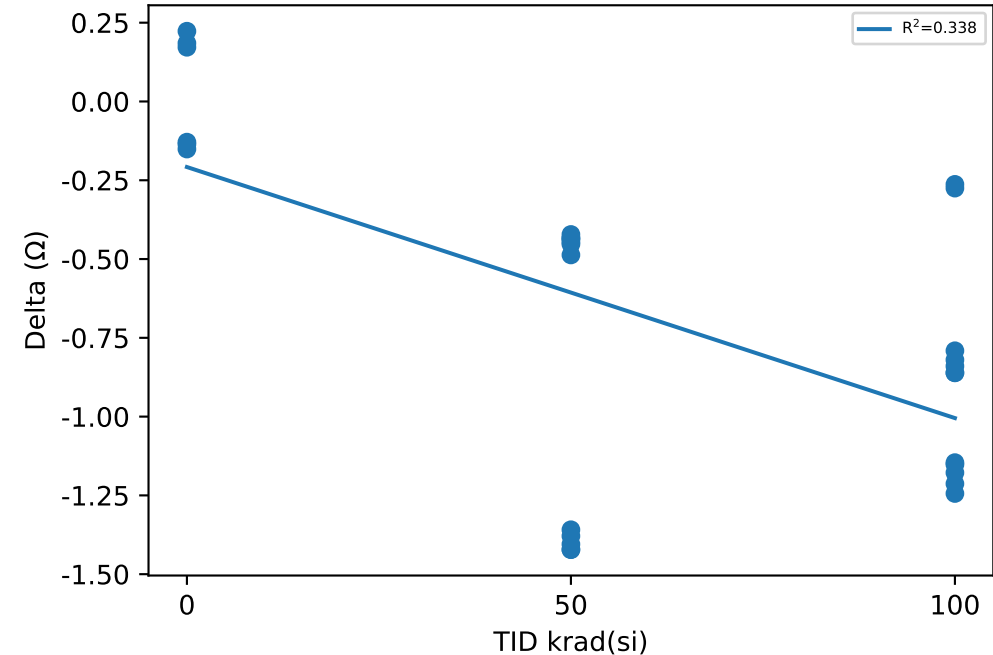
TID vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 19.993     | 19.864      | -0.129 |
| 201      | 0        | Correlation         | 19.85      | 19.714      | -0.136 |
| 202      | 0        | Correlation         | 19.899     | 19.748      | -0.151 |
| 203      | 50       | Biased              | 20.291     | 19.804      | -0.487 |
| 204      | 50       | Biased              | 19.994     | 19.541      | -0.453 |
| 205      | 50       | Biased              | 20.289     | 19.855      | -0.434 |
| 206      | 50       | Biased              | 19.857     | 19.419      | -0.438 |
| 207      | 50       | Biased              | 20.276     | 19.829      | -0.447 |
| 208      | 50       | Biased              | 19.948     | 19.526      | -0.422 |
| 209      | 50       | Unbiased            | 19.944     | 18.539      | -1.405 |
| 210      | 50       | Unbiased            | 19.932     | 18.573      | -1.359 |
| 211      | 50       | Unbiased            | 20.067     | 19.634      | -0.433 |
| 212      | 50       | Unbiased            | 19.729     | 18.35       | -1.379 |
| 213      | 50       | Unbiased            | 20.063     | 18.641      | -1.422 |
| 214      | 50       | Unbiased            | 19.891     | 18.469      | -1.422 |
| 1200     | 0        | Correlation         | 19.993     | 20.216      | 0.223  |
| 1201     | 0        | Correlation         | 19.85      | 20.035      | 0.185  |
| 1202     | 0        | Correlation         | 19.899     | 20.071      | 0.172  |
| 1203     | 100      | Biased              | 20.291     | 19.047      | -1.244 |
| 1204     | 100      | Biased              | 19.994     | 18.781      | -1.213 |
| 1205     | 100      | Biased              | 20.289     | 19.137      | -1.152 |
| 1206     | 100      | Biased              | 19.857     | 19.582      | -0.275 |
| 1207     | 100      | Biased              | 20.276     | 19.098      | -1.178 |
| 1208     | 100      | Biased              | 19.948     | 18.802      | -1.146 |
| 1209     | 100      | Unbiased            | 19.944     | 19.124      | -0.82  |
| 1210     | 100      | Unbiased            | 19.932     | 19.141      | -0.791 |
| 1211     | 100      | Unbiased            | 20.067     | 19.804      | -0.263 |
| 1212     | 100      | Unbiased            | 19.729     | 18.889      | -0.84  |
| 1213     | 100      | Unbiased            | 20.063     | 19.202      | -0.861 |
| 1214     | 100      | Unbiased            | 19.891     | 19.03       | -0.861 |

TID vs Post - Pre Exposure Delta

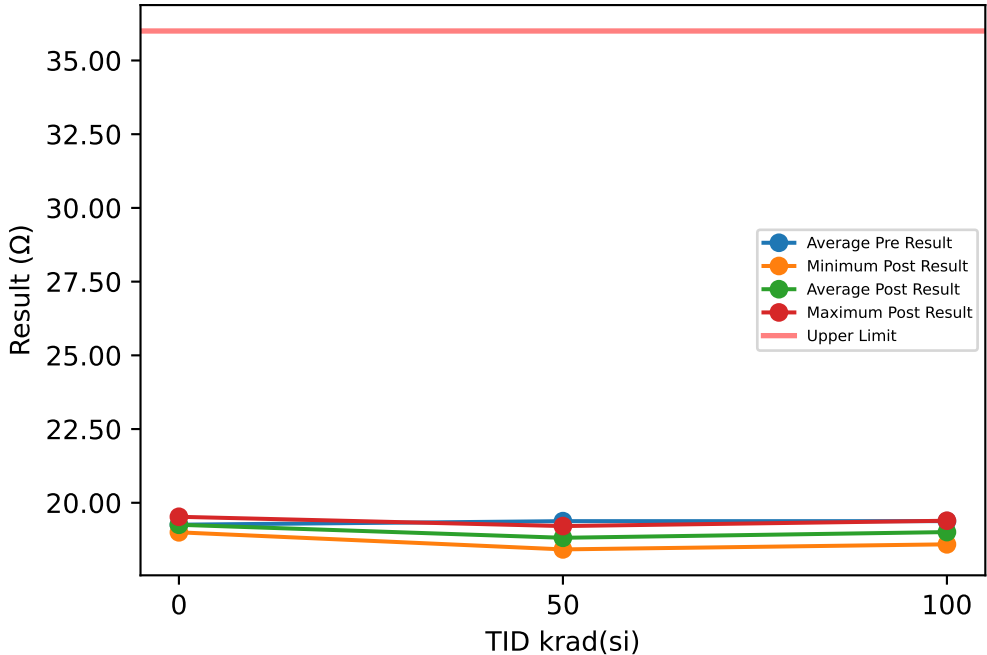


Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 19.85            | 19.914           | 19.993           | 0.064998         | 19.714            | 19.941            | 20.216            | 0.19802           | -0.151    | 0.027333  | 0.223     | 0.18275   |
| 50       | 19.729           | 20.023           | 20.291           | 0.18154          | 18.35             | 19.182            | 19.855            | 0.60631           | -1.422    | -0.84175  | -0.422    | 0.49102   |
| 100      | 19.729           | 20.023           | 20.291           | 0.18154          | 18.781            | 19.136            | 19.804            | 0.29678           | -1.244    | -0.887    | -0.263    | 0.33533   |

Device Test: 18.33 ; RESET\_RNMOS

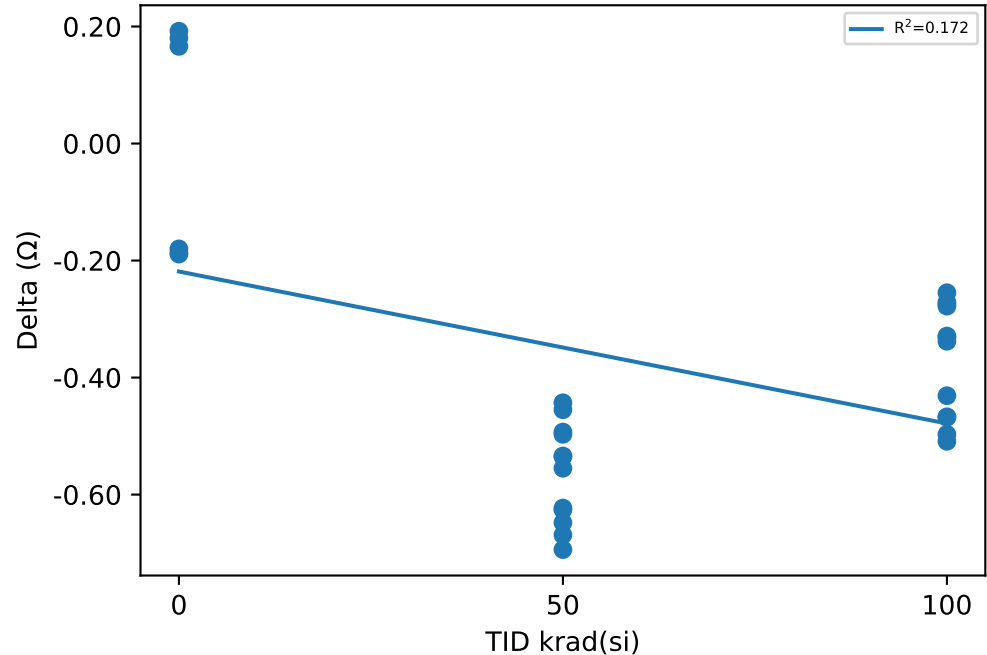
TID vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 19.333     | 19.153      | -0.18  |
| 201      | 0        | Correlation         | 19.185     | 18.998      | -0.187 |
| 202      | 0        | Correlation         | 19.253     | 19.064      | -0.189 |
| 203      | 50       | Biased              | 19.669     | 19.172      | -0.497 |
| 204      | 50       | Biased              | 19.285     | 18.75       | -0.535 |
| 205      | 50       | Biased              | 19.591     | 19.148      | -0.443 |
| 206      | 50       | Biased              | 19.24      | 18.706      | -0.534 |
| 207      | 50       | Biased              | 19.665     | 19.21       | -0.455 |
| 208      | 50       | Biased              | 19.261     | 18.706      | -0.555 |
| 209      | 50       | Unbiased            | 19.286     | 18.638      | -0.648 |
| 210      | 50       | Unbiased            | 19.299     | 18.676      | -0.623 |
| 211      | 50       | Unbiased            | 19.415     | 18.922      | -0.493 |
| 212      | 50       | Unbiased            | 19.088     | 18.419      | -0.669 |
| 213      | 50       | Unbiased            | 19.463     | 18.837      | -0.626 |
| 214      | 50       | Unbiased            | 19.262     | 18.568      | -0.694 |
| 1200     | 0        | Correlation         | 19.333     | 19.525      | 0.192  |
| 1201     | 0        | Correlation         | 19.185     | 19.365      | 0.18   |
| 1202     | 0        | Correlation         | 19.253     | 19.419      | 0.166  |
| 1203     | 100      | Biased              | 19.669     | 19.331      | -0.338 |
| 1204     | 100      | Biased              | 19.285     | 18.954      | -0.331 |
| 1205     | 100      | Biased              | 19.591     | 19.313      | -0.278 |
| 1206     | 100      | Biased              | 19.24      | 18.969      | -0.271 |
| 1207     | 100      | Biased              | 19.665     | 19.391      | -0.274 |
| 1208     | 100      | Biased              | 19.261     | 18.932      | -0.329 |
| 1209     | 100      | Unbiased            | 19.286     | 18.819      | -0.467 |
| 1210     | 100      | Unbiased            | 19.299     | 18.868      | -0.431 |
| 1211     | 100      | Unbiased            | 19.415     | 19.16       | -0.255 |
| 1212     | 100      | Unbiased            | 19.088     | 18.591      | -0.497 |
| 1213     | 100      | Unbiased            | 19.463     | 18.995      | -0.468 |
| 1214     | 100      | Unbiased            | 19.262     | 18.753      | -0.509 |

TID vs Post - Pre Exposure Delta

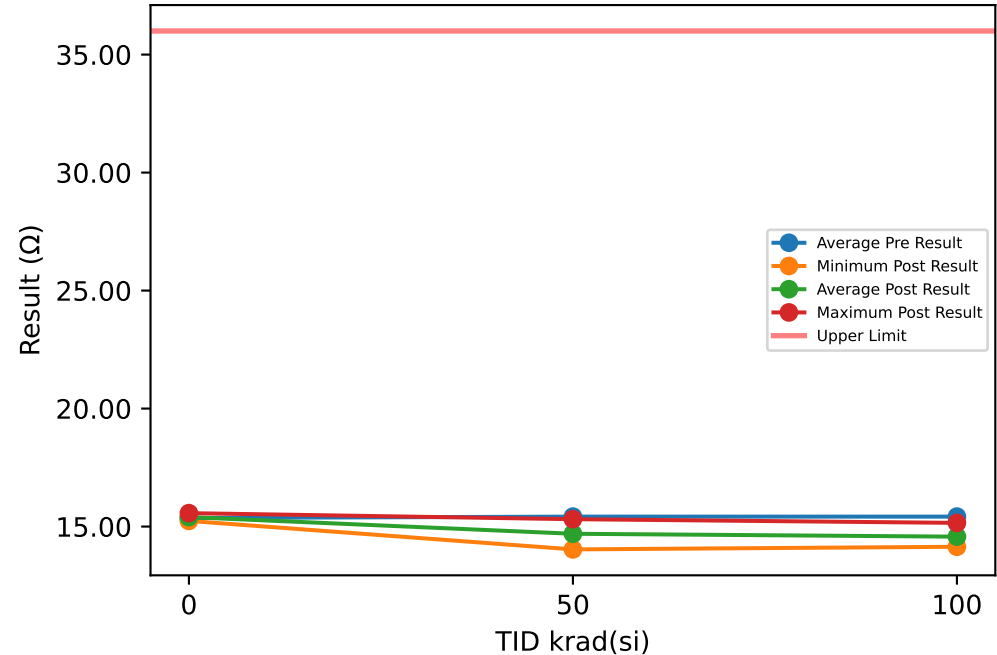


Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 19.185           | 19.257           | 19.333           | 0.06626          | 18.998            | 19.254            | 19.525            | 0.21205           | -0.189    | -0.003    | 0.192     | 0.19993   |
| 50       | 19.088           | 19.377           | 19.669           | 0.18455          | 18.419            | 18.813            | 19.21             | 0.25275           | -0.694    | -0.56433  | -0.443    | 0.085375  |
| 100      | 19.088           | 19.377           | 19.669           | 0.18455          | 18.591            | 19.006            | 19.391            | 0.24712           | -0.509    | -0.37067  | -0.255    | 0.096818  |

Device Test: 18.34 ; PWRGD\_RNMOS

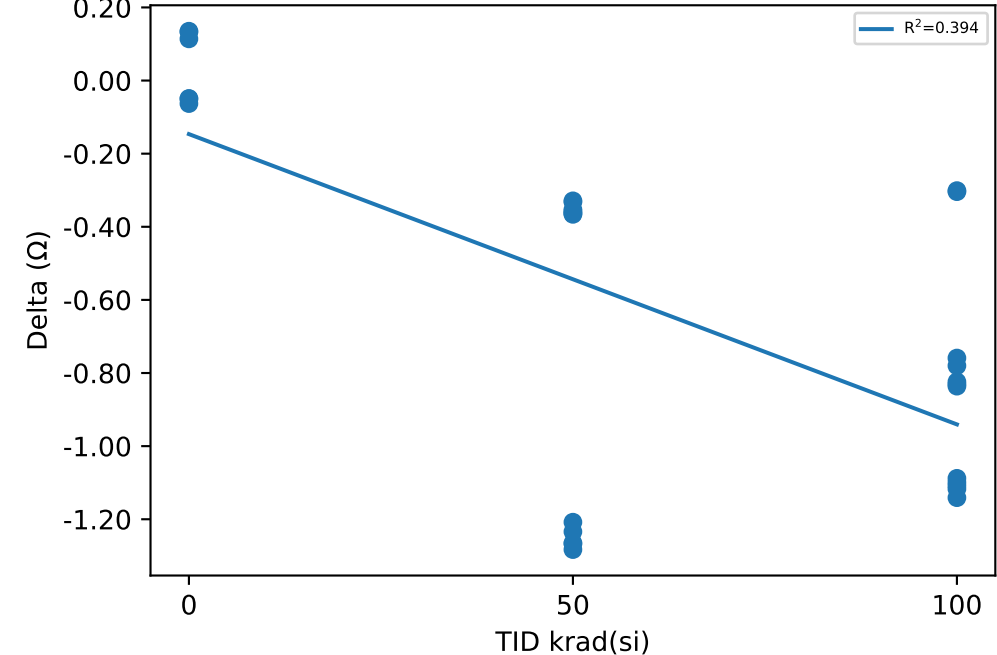
TID vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 15.433     | 15.383      | -0.05  |
| 201      | 0        | Correlation         | 15.288     | 15.239      | -0.049 |
| 202      | 0        | Correlation         | 15.368     | 15.305      | -0.063 |
| 203      | 50       | Biased              | 15.42      | 15.058      | -0.362 |
| 204      | 50       | Biased              | 15.251     | 14.885      | -0.366 |
| 205      | 50       | Biased              | 15.641     | 15.312      | -0.329 |
| 206      | 50       | Biased              | 15.459     | 15.102      | -0.357 |
| 207      | 50       | Biased              | 15.572     | 15.24       | -0.332 |
| 208      | 50       | Biased              | 15.45      | 15.086      | -0.364 |
| 209      | 50       | Unbiased            | 15.267     | 14.059      | -1.208 |
| 210      | 50       | Unbiased            | 15.346     | 14.112      | -1.234 |
| 211      | 50       | Unbiased            | 15.457     | 15.104      | -0.353 |
| 212      | 50       | Unbiased            | 15.297     | 14.032      | -1.265 |
| 213      | 50       | Unbiased            | 15.508     | 14.241      | -1.267 |
| 214      | 50       | Unbiased            | 15.383     | 14.1        | -1.283 |
| 1200     | 0        | Correlation         | 15.433     | 15.568      | 0.135  |
| 1201     | 0        | Correlation         | 15.288     | 15.421      | 0.133  |
| 1202     | 0        | Correlation         | 15.368     | 15.482      | 0.114  |
| 1203     | 100      | Biased              | 15.42      | 14.279      | -1.141 |
| 1204     | 100      | Biased              | 15.251     | 14.143      | -1.108 |
| 1205     | 100      | Biased              | 15.641     | 14.524      | -1.117 |
| 1206     | 100      | Biased              | 15.459     | 15.155      | -0.304 |
| 1207     | 100      | Biased              | 15.572     | 14.484      | -1.088 |
| 1208     | 100      | Biased              | 15.45      | 14.351      | -1.099 |
| 1209     | 100      | Unbiased            | 15.267     | 14.508      | -0.759 |
| 1210     | 100      | Unbiased            | 15.346     | 14.566      | -0.78  |
| 1211     | 100      | Unbiased            | 15.457     | 15.156      | -0.301 |
| 1212     | 100      | Unbiased            | 15.297     | 14.473      | -0.824 |
| 1213     | 100      | Unbiased            | 15.508     | 14.677      | -0.831 |
| 1214     | 100      | Unbiased            | 15.383     | 14.547      | -0.836 |

TID vs Post - Pre Exposure Delta

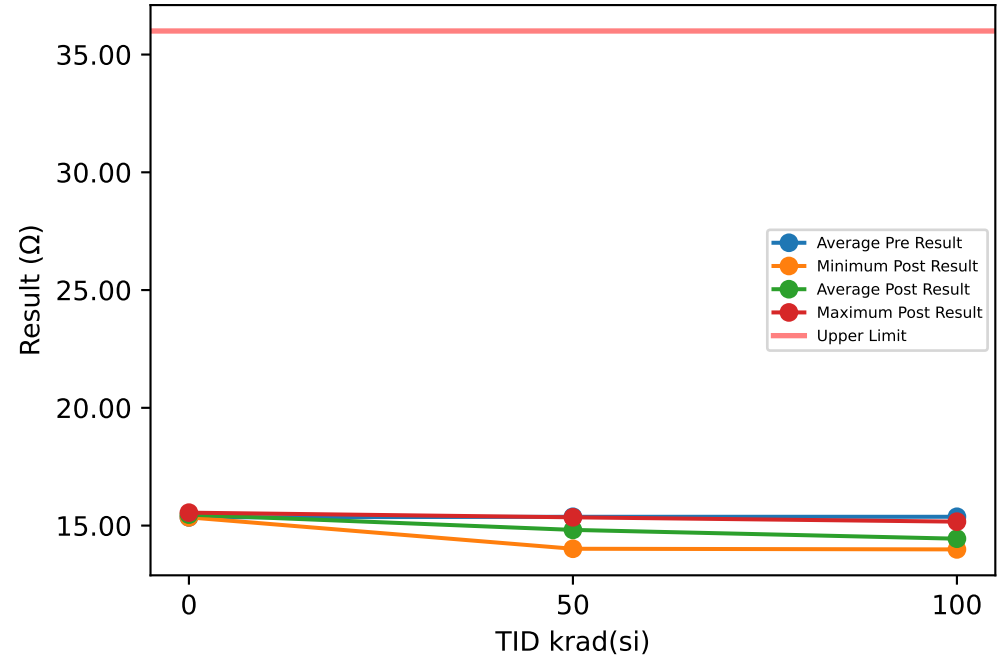


Test Statistics (Ω)

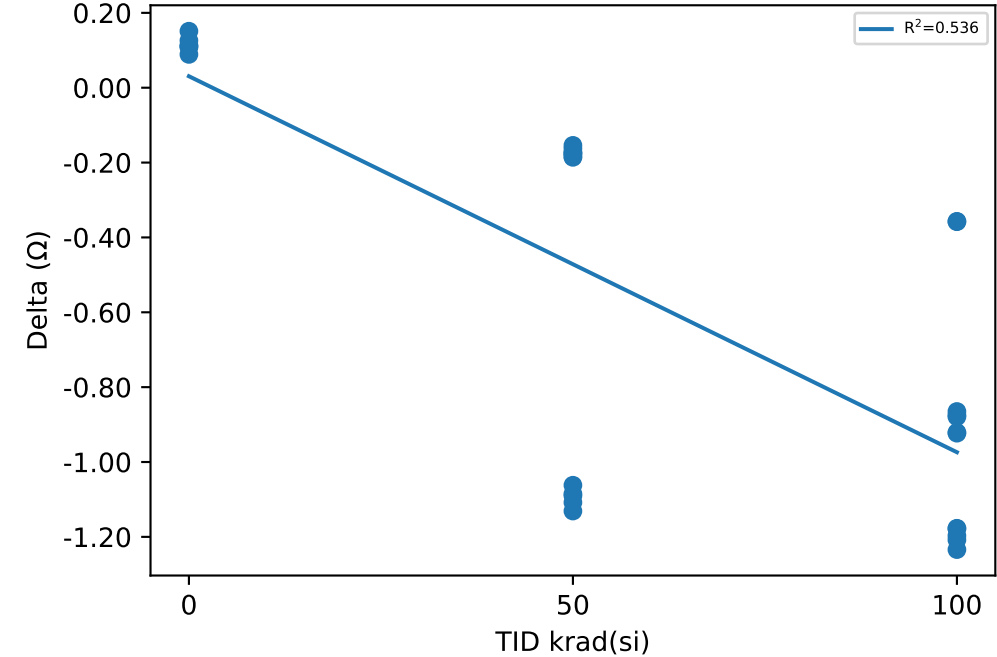
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 15.288           | 15.363           | 15.433           | 0.064962         | 15.239            | 15.4              | 15.568            | 0.11885           | -0.063    | 0.036667  | 0.135     | 0.099713  |
| 50       | 15.251           | 15.421           | 15.641           | 0.11963          | 14.032            | 14.694            | 15.312            | 0.52876           | -1.283    | -0.72667  | -0.329    | 0.46369   |
| 100      | 15.251           | 15.421           | 15.641           | 0.11963          | 14.143            | 14.572            | 15.156            | 0.30679           | -1.141    | -0.849    | -0.301    | 0.29466   |

Device Test: 18.35 ; WDO\_RNMOS

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 36.0 (Ω))

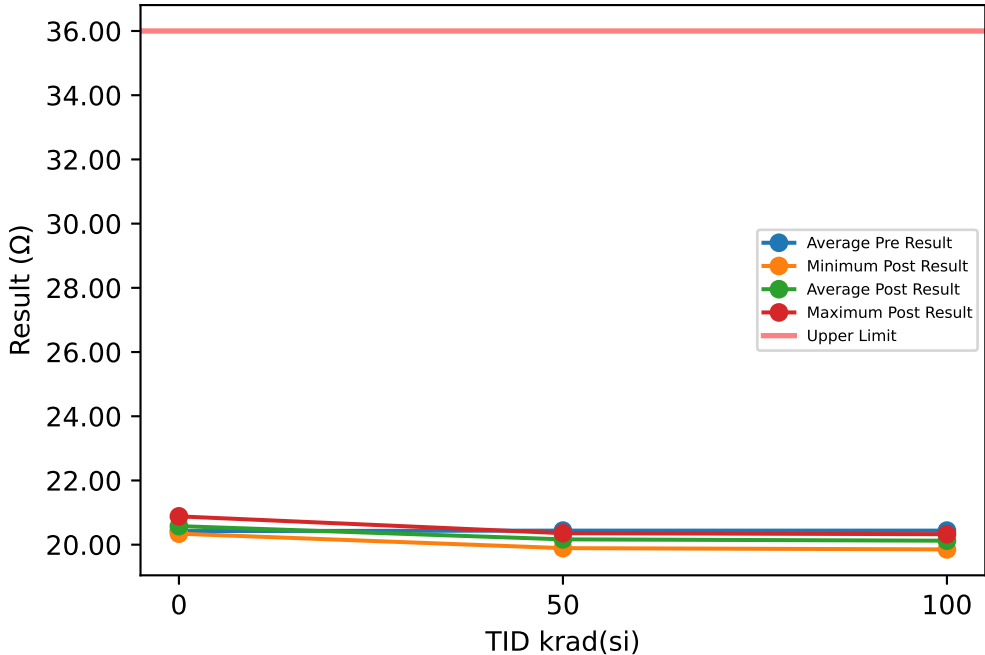
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 15.436     | 15.549      | 0.113  |
| 201      | 0        | Correlation         | 15.238     | 15.389      | 0.151  |
| 202      | 0        | Correlation         | 15.372     | 15.498      | 0.126  |
| 203      | 50       | Biased              | 15.37      | 15.184      | -0.186 |
| 204      | 50       | Biased              | 15.167     | 14.992      | -0.175 |
| 205      | 50       | Biased              | 15.494     | 15.34       | -0.154 |
| 206      | 50       | Biased              | 15.479     | 15.303      | -0.176 |
| 207      | 50       | Biased              | 15.524     | 15.351      | -0.173 |
| 208      | 50       | Biased              | 15.326     | 15.163      | -0.163 |
| 209      | 50       | Unbiased            | 15.336     | 14.274      | -1.062 |
| 210      | 50       | Unbiased            | 15.351     | 14.266      | -1.085 |
| 211      | 50       | Unbiased            | 15.525     | 15.341      | -0.184 |
| 212      | 50       | Unbiased            | 15.106     | 14.016      | -1.09  |
| 213      | 50       | Unbiased            | 15.473     | 14.365      | -1.108 |
| 214      | 50       | Unbiased            | 15.34      | 14.209      | -1.131 |
| 1200     | 0        | Correlation         | 15.436     | 15.544      | 0.108  |
| 1201     | 0        | Correlation         | 15.238     | 15.349      | 0.111  |
| 1202     | 0        | Correlation         | 15.372     | 15.461      | 0.089  |
| 1203     | 100      | Biased              | 15.37      | 14.136      | -1.234 |
| 1204     | 100      | Biased              | 15.167     | 13.989      | -1.178 |
| 1205     | 100      | Biased              | 15.494     | 14.297      | -1.197 |
| 1206     | 100      | Biased              | 15.479     | 15.122      | -0.357 |
| 1207     | 100      | Biased              | 15.524     | 14.316      | -1.208 |
| 1208     | 100      | Biased              | 15.326     | 14.149      | -1.177 |
| 1209     | 100      | Unbiased            | 15.336     | 14.471      | -0.865 |
| 1210     | 100      | Unbiased            | 15.351     | 14.476      | -0.875 |
| 1211     | 100      | Unbiased            | 15.525     | 15.167      | -0.358 |
| 1212     | 100      | Unbiased            | 15.106     | 14.227      | -0.879 |
| 1213     | 100      | Unbiased            | 15.473     | 14.55       | -0.923 |
| 1214     | 100      | Unbiased            | 15.34      | 14.419      | -0.921 |

Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 15.238           | 15.349           | 15.436           | 0.090374         | 15.349            | 15.465            | 15.549            | 0.082017          | 0.089     | 0.11633   | 0.151     | 0.020743  |
| 50       | 15.106           | 15.374           | 15.525           | 0.13506          | 14.016            | 14.817            | 15.351            | 0.5367            | -1.131    | -0.55725  | -0.154    | 0.4752    |
| 100      | 15.106           | 15.374           | 15.525           | 0.13506          | 13.989            | 14.443            | 15.167            | 0.36557           | -1.234    | -0.931    | -0.357    | 0.30585   |

Device Test: 18.36 ; RESET\_RNMOS

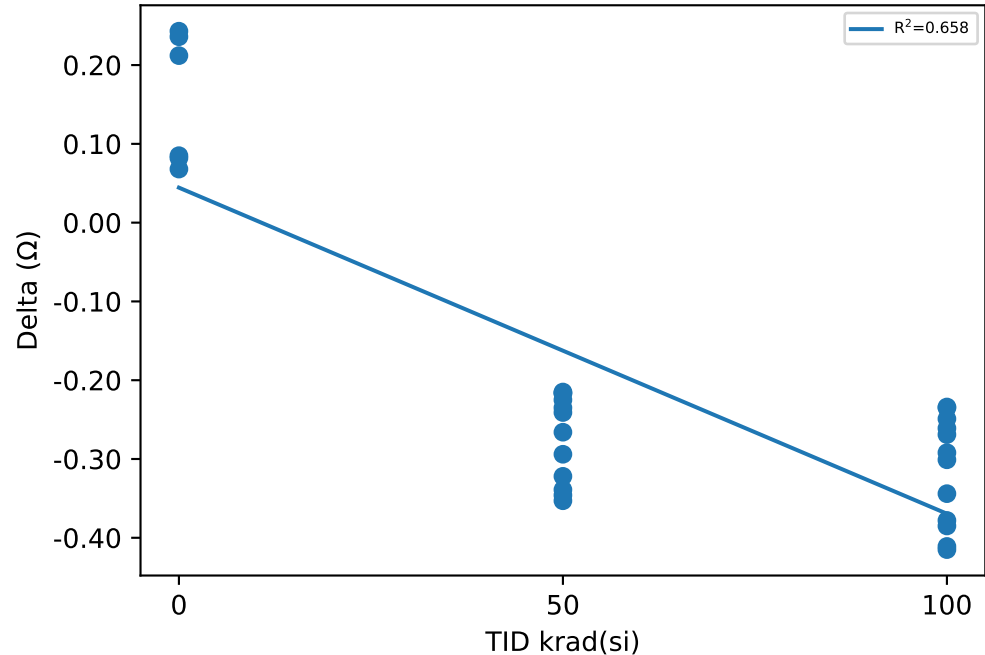
TID vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 20.343     | 20.425      | 0.082  |
| 201      | 0        | Correlation         | 20.258     | 20.343      | 0.085  |
| 202      | 0        | Correlation         | 20.67      | 20.738      | 0.068  |
| 203      | 50       | Biased              | 20.506     | 20.271      | -0.235 |
| 204      | 50       | Biased              | 20.44      | 20.174      | -0.266 |
| 205      | 50       | Biased              | 20.466     | 20.251      | -0.215 |
| 206      | 50       | Biased              | 20.414     | 20.173      | -0.241 |
| 207      | 50       | Biased              | 20.575     | 20.358      | -0.217 |
| 208      | 50       | Biased              | 20.486     | 20.27       | -0.216 |
| 209      | 50       | Unbiased            | 20.364     | 20.042      | -0.322 |
| 210      | 50       | Unbiased            | 20.254     | 19.96       | -0.294 |
| 211      | 50       | Unbiased            | 20.501     | 20.276      | -0.225 |
| 212      | 50       | Unbiased            | 20.238     | 19.892      | -0.346 |
| 213      | 50       | Unbiased            | 20.446     | 20.107      | -0.339 |
| 214      | 50       | Unbiased            | 20.569     | 20.216      | -0.353 |
| 1200     | 0        | Correlation         | 20.343     | 20.586      | 0.243  |
| 1201     | 0        | Correlation         | 20.258     | 20.494      | 0.236  |
| 1202     | 0        | Correlation         | 20.67      | 20.882      | 0.212  |
| 1203     | 100      | Biased              | 20.506     | 20.214      | -0.292 |
| 1204     | 100      | Biased              | 20.44      | 20.139      | -0.301 |
| 1205     | 100      | Biased              | 20.466     | 20.197      | -0.269 |
| 1206     | 100      | Biased              | 20.414     | 20.179      | -0.235 |
| 1207     | 100      | Biased              | 20.575     | 20.326      | -0.249 |
| 1208     | 100      | Biased              | 20.486     | 20.225      | -0.261 |
| 1209     | 100      | Unbiased            | 20.364     | 19.986      | -0.378 |
| 1210     | 100      | Unbiased            | 20.254     | 19.91       | -0.344 |
| 1211     | 100      | Unbiased            | 20.501     | 20.267      | -0.234 |
| 1212     | 100      | Unbiased            | 20.238     | 19.853      | -0.385 |
| 1213     | 100      | Unbiased            | 20.446     | 20.035      | -0.411 |
| 1214     | 100      | Unbiased            | 20.569     | 20.154      | -0.415 |

TID vs Post - Pre Exposure Delta



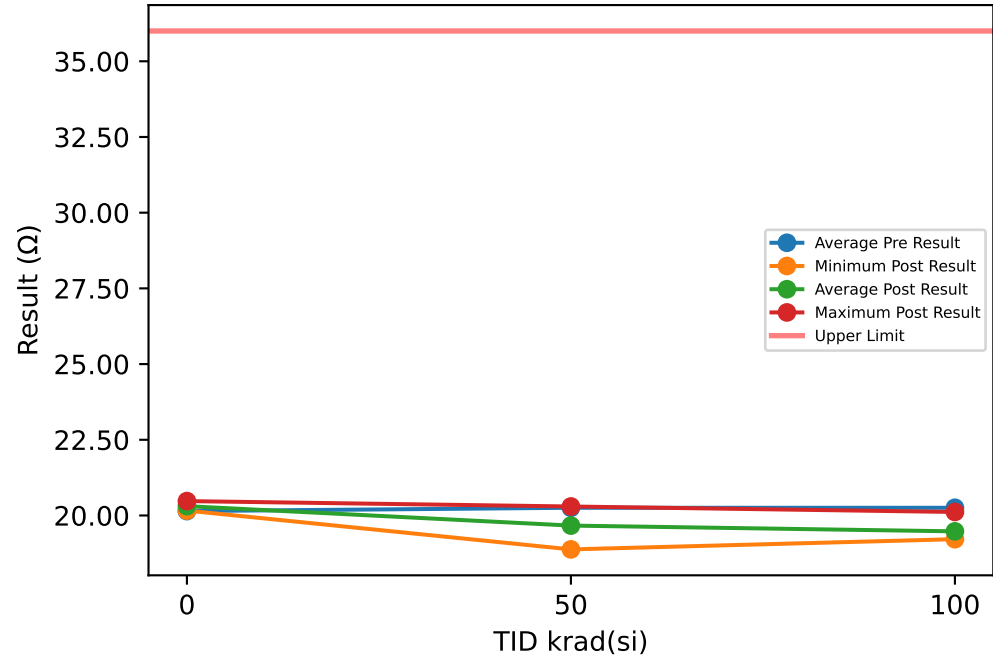
Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 20.258           | 20.424           | 20.67            | 0.19456          | 20.343            | 20.578            | 20.882            | 0.20188           | 0.068     | 0.15433   | 0.243     | 0.084082  |
| 50       | 20.238           | 20.438           | 20.575           | 0.1077           | 19.892            | 20.166            | 20.358            | 0.14046           | -0.353    | -0.27242  | -0.215    | 0.05518   |
| 100      | 20.238           | 20.438           | 20.575           | 0.1077           | 19.853            | 20.124            | 20.326            | 0.14624           | -0.415    | -0.3145   | -0.234    | 0.068753  |



Device Test: 18.37 ; RESET\_RNMOS

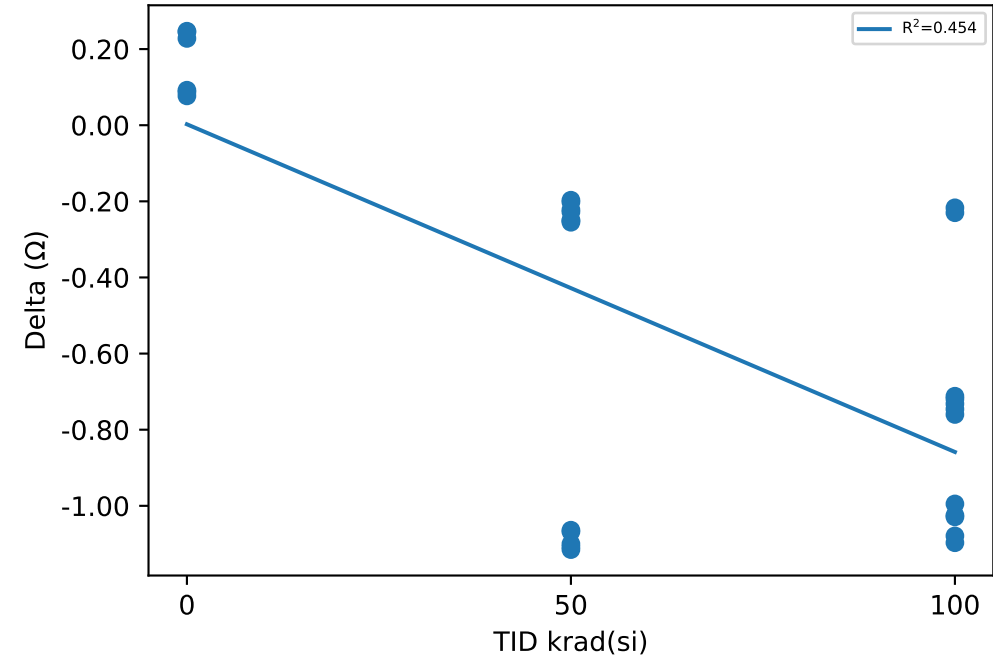
TID vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 20.228     | 20.315      | 0.087  |
| 201      | 0        | Correlation         | 20.069     | 20.161      | 0.092  |
| 202      | 0        | Correlation         | 20.139     | 20.216      | 0.077  |
| 203      | 50       | Biased              | 20.413     | 20.164      | -0.249 |
| 204      | 50       | Biased              | 20.308     | 20.053      | -0.255 |
| 205      | 50       | Biased              | 20.494     | 20.297      | -0.197 |
| 206      | 50       | Biased              | 20.105     | 19.854      | -0.251 |
| 207      | 50       | Biased              | 20.452     | 20.25       | -0.202 |
| 208      | 50       | Biased              | 20.212     | 19.99       | -0.222 |
| 209      | 50       | Unbiased            | 20.049     | 18.985      | -1.064 |
| 210      | 50       | Unbiased            | 20.241     | 19.173      | -1.068 |
| 211      | 50       | Unbiased            | 20.333     | 20.105      | -0.228 |
| 212      | 50       | Unbiased            | 19.995     | 18.88       | -1.115 |
| 213      | 50       | Unbiased            | 20.284     | 19.184      | -1.1   |
| 214      | 50       | Unbiased            | 20.167     | 19.059      | -1.108 |
| 1200     | 0        | Correlation         | 20.228     | 20.475      | 0.247  |
| 1201     | 0        | Correlation         | 20.069     | 20.314      | 0.245  |
| 1202     | 0        | Correlation         | 20.139     | 20.367      | 0.228  |
| 1203     | 100      | Biased              | 20.413     | 19.316      | -1.097 |
| 1204     | 100      | Biased              | 20.308     | 19.229      | -1.079 |
| 1205     | 100      | Biased              | 20.494     | 19.465      | -1.029 |
| 1206     | 100      | Biased              | 20.105     | 19.875      | -0.23  |
| 1207     | 100      | Biased              | 20.452     | 19.427      | -1.025 |
| 1208     | 100      | Biased              | 20.212     | 19.217      | -0.995 |
| 1209     | 100      | Unbiased            | 20.049     | 19.337      | -0.712 |
| 1210     | 100      | Unbiased            | 20.241     | 19.522      | -0.719 |
| 1211     | 100      | Unbiased            | 20.333     | 20.116      | -0.217 |
| 1212     | 100      | Unbiased            | 19.995     | 19.263      | -0.732 |
| 1213     | 100      | Unbiased            | 20.284     | 19.524      | -0.76  |
| 1214     | 100      | Unbiased            | 20.167     | 19.421      | -0.746 |

TID vs Post - Pre Exposure Delta

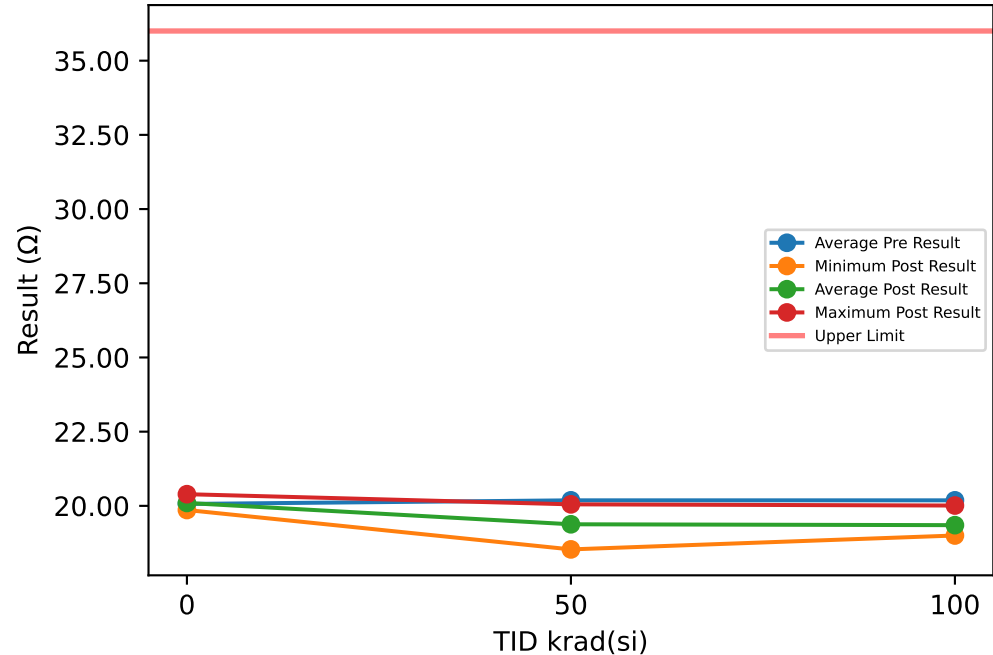


Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 20.069           | 20.145           | 20.228           | 0.071276         | 20.161            | 20.308            | 20.475            | 0.11093           | 0.077     | 0.16267   | 0.247     | 0.085109  |
| 50       | 19.995           | 20.254           | 20.494           | 0.15752          | 18.88             | 19.666            | 20.297            | 0.55558           | -1.115    | -0.58825  | -0.197    | 0.44436   |
| 100      | 19.995           | 20.254           | 20.494           | 0.15752          | 19.217            | 19.476            | 20.116            | 0.2692            | -1.097    | -0.77842  | -0.217    | 0.29997   |

Device Test: 18.38 ; RESET\_RNMOS

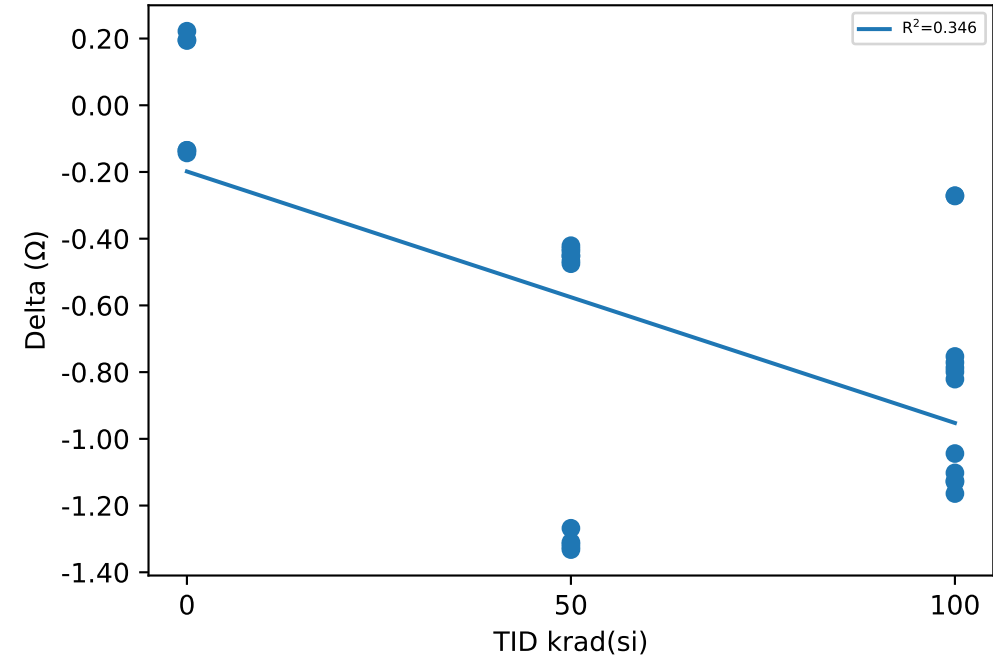
TID vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 20.171     | 20.028      | -0.143 |
| 201      | 0        | Correlation         | 19.995     | 19.86       | -0.135 |
| 202      | 0        | Correlation         | 20.028     | 19.893      | -0.135 |
| 203      | 50       | Biased              | 20.444     | 19.969      | -0.475 |
| 204      | 50       | Biased              | 20.13      | 19.663      | -0.467 |
| 205      | 50       | Biased              | 20.481     | 20.051      | -0.43  |
| 206      | 50       | Biased              | 20.044     | 19.606      | -0.438 |
| 207      | 50       | Biased              | 20.431     | 19.98       | -0.451 |
| 208      | 50       | Biased              | 20.102     | 19.681      | -0.421 |
| 209      | 50       | Unbiased            | 20.075     | 18.759      | -1.316 |
| 210      | 50       | Unbiased            | 20.102     | 18.834      | -1.268 |
| 211      | 50       | Unbiased            | 20.283     | 19.831      | -0.452 |
| 212      | 50       | Unbiased            | 19.843     | 18.533      | -1.31  |
| 213      | 50       | Unbiased            | 20.259     | 18.934      | -1.325 |
| 214      | 50       | Unbiased            | 20.042     | 18.71       | -1.332 |
| 1200     | 0        | Correlation         | 20.171     | 20.393      | 0.222  |
| 1201     | 0        | Correlation         | 19.995     | 20.191      | 0.196  |
| 1202     | 0        | Correlation         | 20.028     | 20.222      | 0.194  |
| 1203     | 100      | Biased              | 20.444     | 19.28       | -1.164 |
| 1204     | 100      | Biased              | 20.13      | 19.001      | -1.129 |
| 1205     | 100      | Biased              | 20.481     | 19.379      | -1.102 |
| 1206     | 100      | Biased              | 20.044     | 19.773      | -0.271 |
| 1207     | 100      | Biased              | 20.431     | 19.305      | -1.126 |
| 1208     | 100      | Biased              | 20.102     | 19.058      | -1.044 |
| 1209     | 100      | Unbiased            | 20.075     | 19.288      | -0.787 |
| 1210     | 100      | Unbiased            | 20.102     | 19.349      | -0.753 |
| 1211     | 100      | Unbiased            | 20.283     | 20.011      | -0.272 |
| 1212     | 100      | Unbiased            | 19.843     | 19.072      | -0.771 |
| 1213     | 100      | Unbiased            | 20.259     | 19.438      | -0.821 |
| 1214     | 100      | Unbiased            | 20.042     | 19.243      | -0.799 |

TID vs Post - Pre Exposure Delta

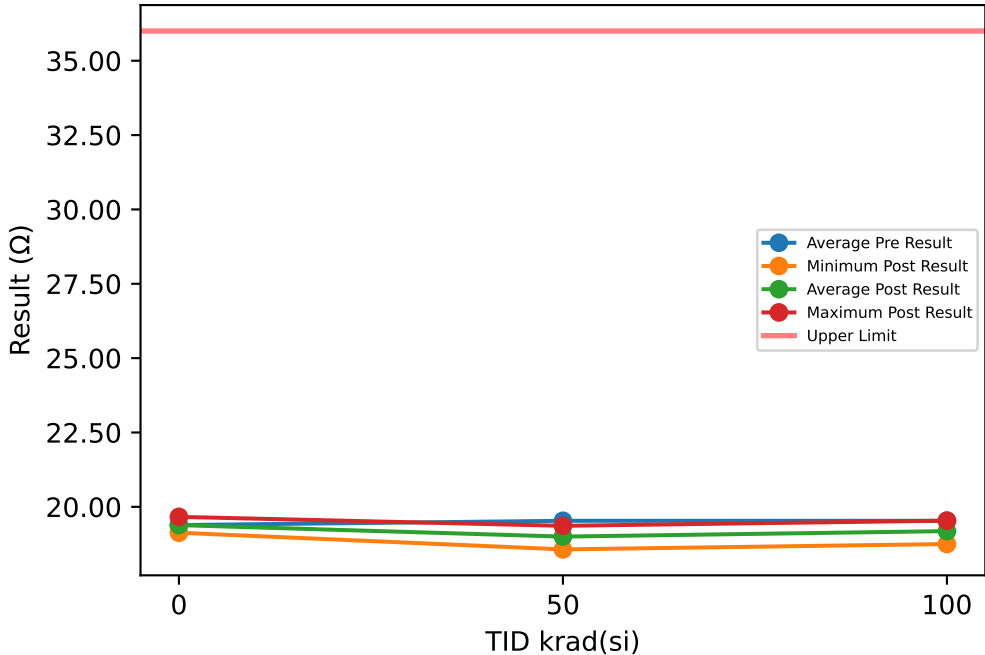


Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 19.995           | 20.065           | 20.171           | 0.083677         | 19.86             | 20.098            | 20.393            | 0.20718           | -0.143    | 0.033167  | 0.222     | 0.18742   |
| 50       | 19.843           | 20.186           | 20.481           | 0.19458          | 18.533            | 19.379            | 20.051            | 0.57456           | -1.332    | -0.80708  | -0.421    | 0.44461   |
| 100      | 19.843           | 20.186           | 20.481           | 0.19458          | 19.001            | 19.35             | 20.011            | 0.29092           | -1.164    | -0.83658  | -0.271    | 0.30807   |

Device Test: 18.39 ; RESET\_RNMOS

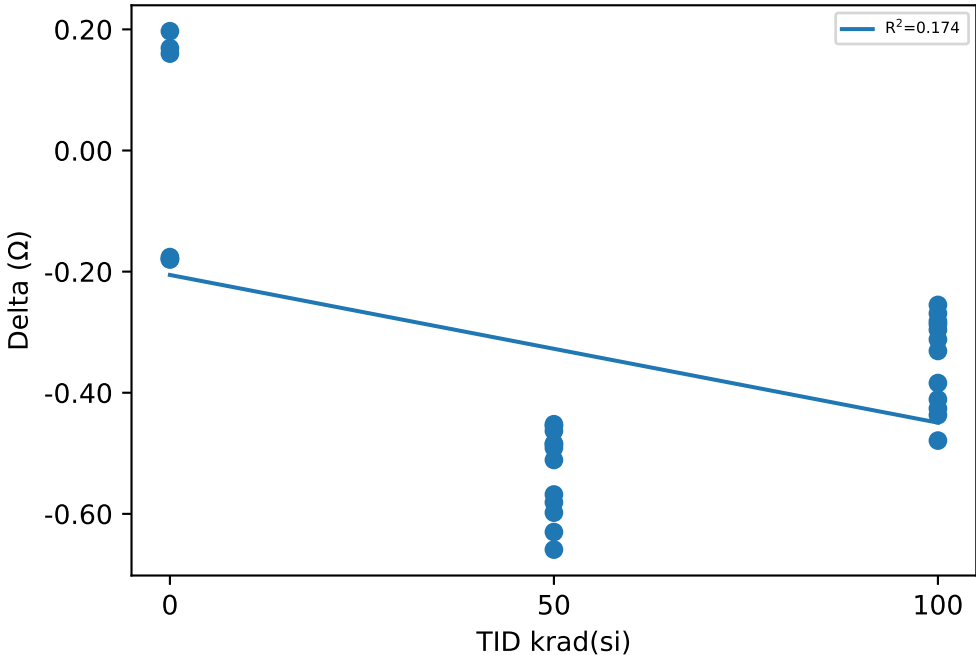
TID vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 19.466     | 19.286      | -0.18  |
| 201      | 0        | Correlation         | 19.306     | 19.13       | -0.176 |
| 202      | 0        | Correlation         | 19.389     | 19.21       | -0.179 |
| 203      | 50       | Biased              | 19.795     | 19.311      | -0.484 |
| 204      | 50       | Biased              | 19.426     | 18.915      | -0.511 |
| 205      | 50       | Biased              | 19.767     | 19.304      | -0.463 |
| 206      | 50       | Biased              | 19.428     | 18.937      | -0.491 |
| 207      | 50       | Biased              | 19.817     | 19.362      | -0.455 |
| 208      | 50       | Biased              | 19.404     | 18.919      | -0.485 |
| 209      | 50       | Unbiased            | 19.415     | 18.817      | -0.598 |
| 210      | 50       | Unbiased            | 19.45      | 18.882      | -0.568 |
| 211      | 50       | Unbiased            | 19.594     | 19.142      | -0.452 |
| 212      | 50       | Unbiased            | 19.228     | 18.569      | -0.659 |
| 213      | 50       | Unbiased            | 19.648     | 19.067      | -0.581 |
| 214      | 50       | Unbiased            | 19.397     | 18.767      | -0.63  |
| 1200     | 0        | Correlation         | 19.466     | 19.663      | 0.197  |
| 1201     | 0        | Correlation         | 19.306     | 19.475      | 0.169  |
| 1202     | 0        | Correlation         | 19.389     | 19.549      | 0.16   |
| 1203     | 100      | Biased              | 19.795     | 19.464      | -0.331 |
| 1204     | 100      | Biased              | 19.426     | 19.114      | -0.312 |
| 1205     | 100      | Biased              | 19.767     | 19.471      | -0.296 |
| 1206     | 100      | Biased              | 19.428     | 19.159      | -0.269 |
| 1207     | 100      | Biased              | 19.817     | 19.535      | -0.282 |
| 1208     | 100      | Biased              | 19.404     | 19.117      | -0.287 |
| 1209     | 100      | Unbiased            | 19.415     | 19.004      | -0.411 |
| 1210     | 100      | Unbiased            | 19.45      | 19.066      | -0.384 |
| 1211     | 100      | Unbiased            | 19.594     | 19.339      | -0.255 |
| 1212     | 100      | Unbiased            | 19.228     | 18.749      | -0.479 |
| 1213     | 100      | Unbiased            | 19.648     | 19.211      | -0.437 |
| 1214     | 100      | Unbiased            | 19.397     | 18.971      | -0.426 |

TID vs Post - Pre Exposure Delta

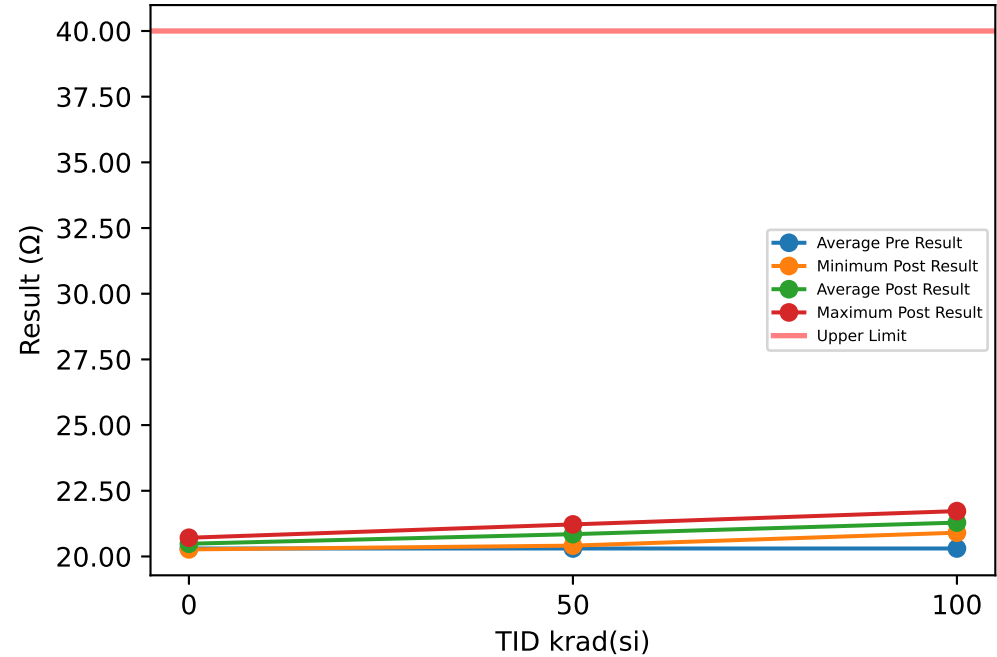


Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 19.306           | 19.387           | 19.466           | 0.071571         | 19.13             | 19.386            | 19.663            | 0.20868           | -0.18     | -0.0015   | 0.197     | 0.1941    |
| 50       | 19.228           | 19.531           | 19.817           | 0.18887          | 18.569            | 18.999            | 19.362            | 0.24309           | -0.659    | -0.53142  | -0.452    | 0.072304  |
| 100      | 19.228           | 19.531           | 19.817           | 0.18887          | 18.749            | 19.183            | 19.535            | 0.23348           | -0.479    | -0.34742  | -0.255    | 0.076088  |

Device Test: 18.4 ; PWRGD\_RPMOS\_LOW\_V

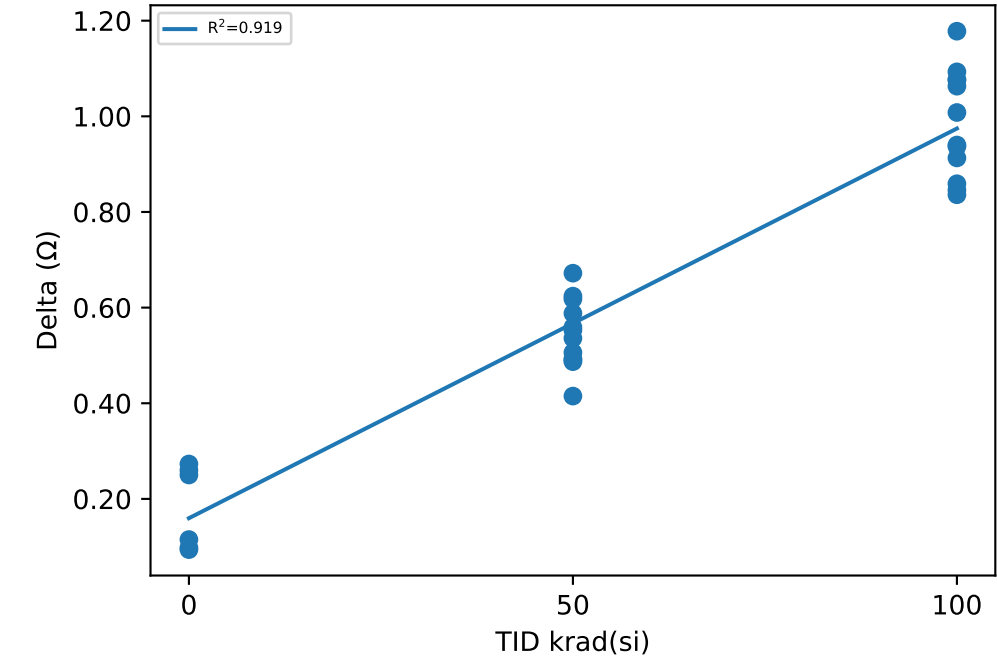
TID vs Result Stats



Test Results (Upper Limit = 40.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|----------|----------|---------------------|------------|-------------|-------|
| 200      | 0        | Correlation         | 20.297     | 20.391      | 0.094 |
| 201      | 0        | Correlation         | 20.171     | 20.269      | 0.098 |
| 202      | 0        | Correlation         | 20.439     | 20.554      | 0.115 |
| 203      | 50       | Biased              | 20.182     | 20.735      | 0.553 |
| 204      | 50       | Biased              | 20.174     | 20.733      | 0.559 |
| 205      | 50       | Biased              | 20.39      | 21.014      | 0.624 |
| 206      | 50       | Biased              | 20.538     | 21.156      | 0.618 |
| 207      | 50       | Biased              | 20.263     | 20.851      | 0.588 |
| 208      | 50       | Biased              | 20.069     | 20.605      | 0.536 |
| 209      | 50       | Unbiased            | 20.307     | 20.794      | 0.487 |
| 210      | 50       | Unbiased            | 20.296     | 20.789      | 0.493 |
| 211      | 50       | Unbiased            | 20.548     | 21.22       | 0.672 |
| 212      | 50       | Unbiased            | 19.997     | 20.412      | 0.415 |
| 213      | 50       | Unbiased            | 20.436     | 20.942      | 0.506 |
| 214      | 50       | Unbiased            | 20.44      | 20.93       | 0.49  |
| 1200     | 0        | Correlation         | 20.297     | 20.557      | 0.26  |
| 1201     | 0        | Correlation         | 20.171     | 20.421      | 0.25  |
| 1202     | 0        | Correlation         | 20.439     | 20.712      | 0.273 |
| 1203     | 100      | Biased              | 20.182     | 21.041      | 0.859 |
| 1204     | 100      | Biased              | 20.174     | 21.02       | 0.846 |
| 1205     | 100      | Biased              | 20.39      | 21.303      | 0.913 |
| 1206     | 100      | Biased              | 20.538     | 21.478      | 0.94  |
| 1207     | 100      | Biased              | 20.263     | 21.2        | 0.937 |
| 1208     | 100      | Biased              | 20.069     | 20.905      | 0.836 |
| 1209     | 100      | Unbiased            | 20.307     | 21.383      | 1.076 |
| 1210     | 100      | Unbiased            | 20.296     | 21.373      | 1.077 |
| 1211     | 100      | Unbiased            | 20.548     | 21.726      | 1.178 |
| 1212     | 100      | Unbiased            | 19.997     | 21.005      | 1.008 |
| 1213     | 100      | Unbiased            | 20.436     | 21.529      | 1.093 |
| 1214     | 100      | Unbiased            | 20.44      | 21.503      | 1.063 |

TID vs Post - Pre Exposure Delta

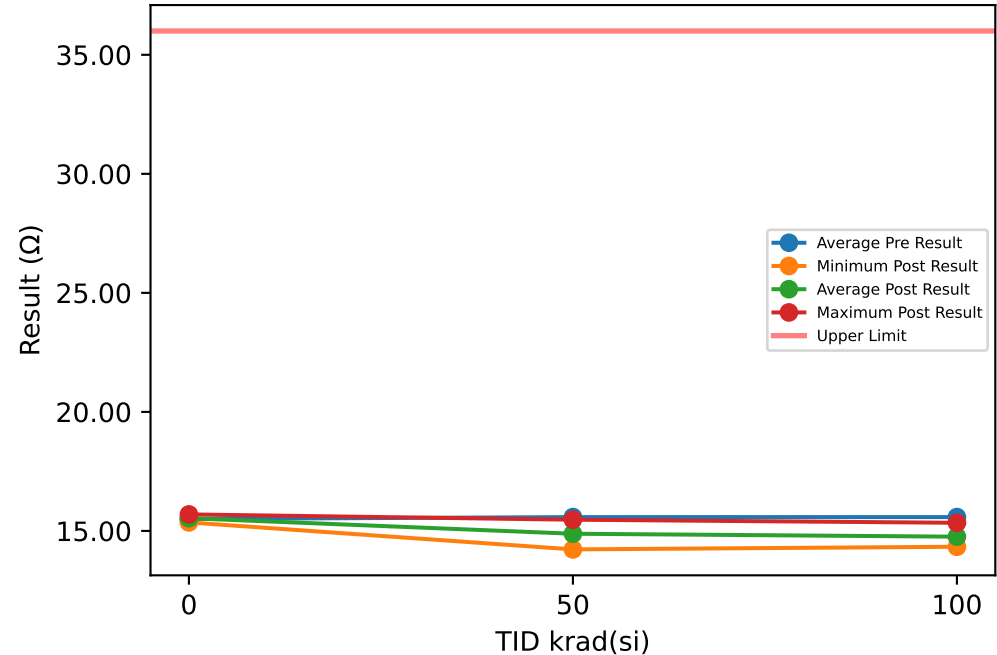


Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 20.171           | 20.302           | 20.439           | 0.11992          | 20.269            | 20.484            | 20.712            | 0.1556            | 0.094     | 0.18167   | 0.273     | 0.087496  |
| 50       | 19.997           | 20.303           | 20.548           | 0.17597          | 20.412            | 20.848            | 21.22             | 0.22521           | 0.415     | 0.54508   | 0.672     | 0.072239  |
| 100      | 19.997           | 20.303           | 20.548           | 0.17597          | 20.905            | 21.289            | 21.726            | 0.25514           | 0.836     | 0.9855    | 1.178     | 0.11248   |

Device Test: 18.40 ; PWRGD\_RNMOS

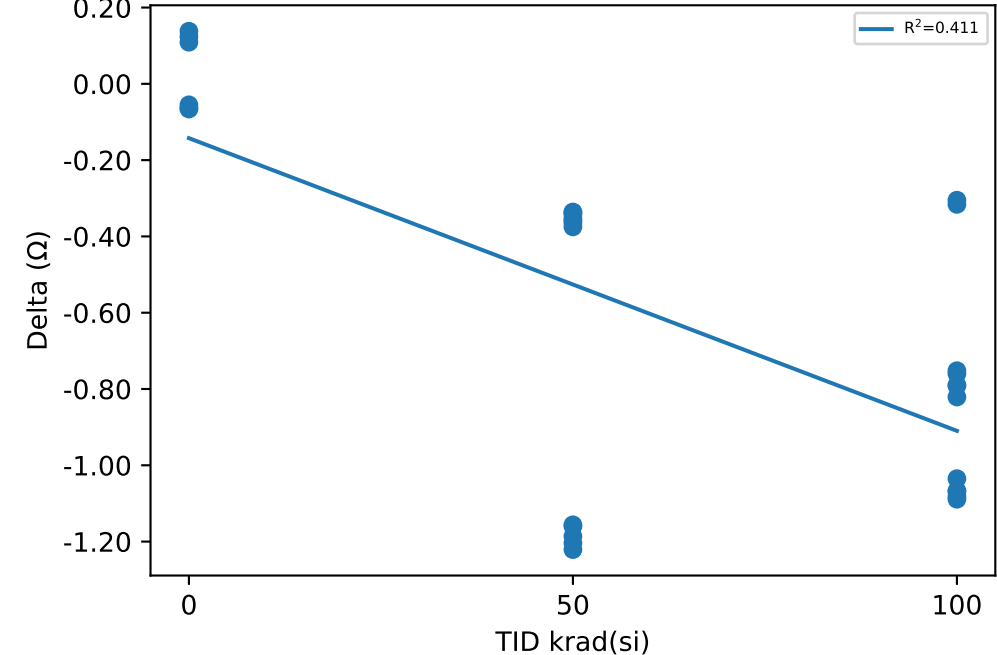
TID vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 15.569     | 15.505      | -0.064 |
| 201      | 0        | Correlation         | 15.423     | 15.357      | -0.066 |
| 202      | 0        | Correlation         | 15.516     | 15.461      | -0.055 |
| 203      | 50       | Biased              | 15.557     | 15.198      | -0.359 |
| 204      | 50       | Biased              | 15.402     | 15.027      | -0.375 |
| 205      | 50       | Biased              | 15.813     | 15.471      | -0.342 |
| 206      | 50       | Biased              | 15.637     | 15.284      | -0.353 |
| 207      | 50       | Biased              | 15.733     | 15.397      | -0.336 |
| 208      | 50       | Biased              | 15.592     | 15.255      | -0.337 |
| 209      | 50       | Unbiased            | 15.41      | 14.254      | -1.156 |
| 210      | 50       | Unbiased            | 15.511     | 14.351      | -1.16  |
| 211      | 50       | Unbiased            | 15.658     | 15.294      | -0.364 |
| 212      | 50       | Unbiased            | 15.428     | 14.224      | -1.204 |
| 213      | 50       | Unbiased            | 15.707     | 14.486      | -1.221 |
| 214      | 50       | Unbiased            | 15.524     | 14.338      | -1.186 |
| 1200     | 0        | Correlation         | 15.569     | 15.693      | 0.124  |
| 1201     | 0        | Correlation         | 15.423     | 15.561      | 0.138  |
| 1202     | 0        | Correlation         | 15.516     | 15.625      | 0.109  |
| 1203     | 100      | Biased              | 15.557     | 14.475      | -1.082 |
| 1204     | 100      | Biased              | 15.402     | 14.335      | -1.067 |
| 1205     | 100      | Biased              | 15.813     | 14.724      | -1.089 |
| 1206     | 100      | Biased              | 15.637     | 15.332      | -0.305 |
| 1207     | 100      | Biased              | 15.733     | 14.665      | -1.068 |
| 1208     | 100      | Biased              | 15.592     | 14.557      | -1.035 |
| 1209     | 100      | Unbiased            | 15.41      | 14.658      | -0.752 |
| 1210     | 100      | Unbiased            | 15.511     | 14.751      | -0.76  |
| 1211     | 100      | Unbiased            | 15.658     | 15.342      | -0.316 |
| 1212     | 100      | Unbiased            | 15.428     | 14.638      | -0.79  |
| 1213     | 100      | Unbiased            | 15.707     | 14.886      | -0.821 |
| 1214     | 100      | Unbiased            | 15.524     | 14.733      | -0.791 |

TID vs Post - Pre Exposure Delta



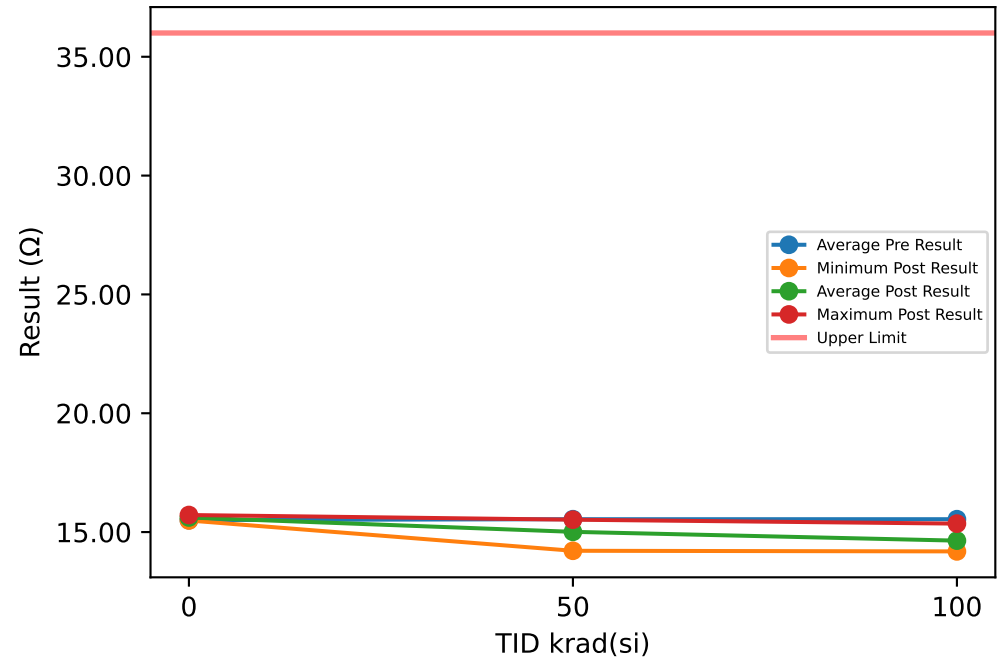
Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 15.423           | 15.503           | 15.569           | 0.066105         | 15.357            | 15.534            | 15.693            | 0.11982           | -0.066    | 0.031     | 0.138     | 0.10199   |
| 50       | 15.402           | 15.581           | 15.813           | 0.13328          | 14.224            | 14.882            | 15.471            | 0.50141           | -1.221    | -0.69942  | -0.336    | 0.42946   |
| 100      | 15.402           | 15.581           | 15.813           | 0.13328          | 14.335            | 14.758            | 15.342            | 0.30469           | -1.089    | -0.823    | -0.305    | 0.27615   |



Device Test: 18.41 ; WDO\_RNMOS

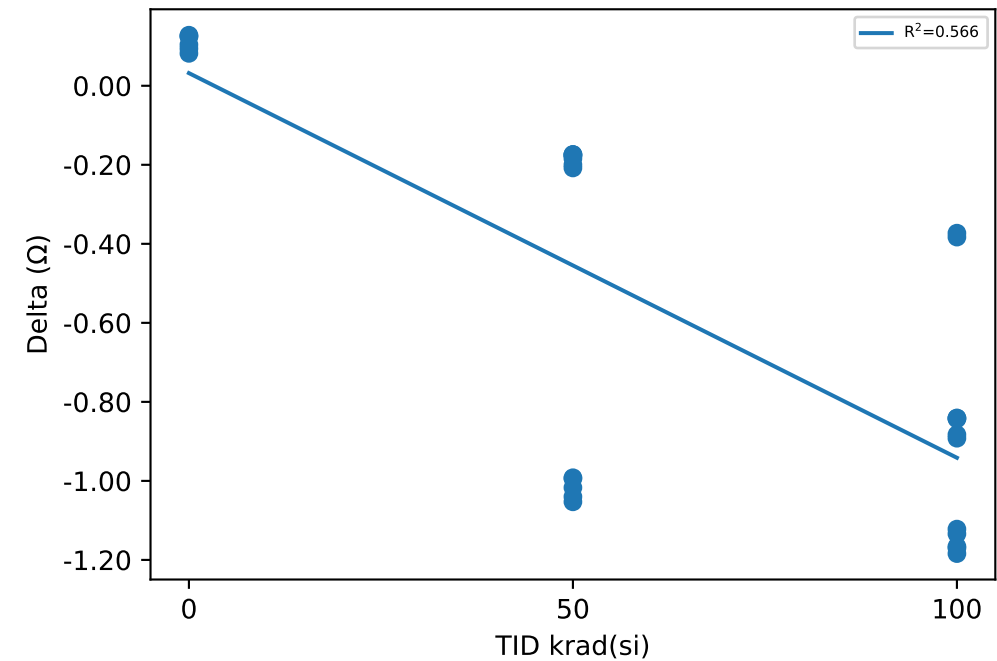
TID vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 15.59      | 15.694      | 0.104  |
| 201      | 0        | Correlation         | 15.393     | 15.519      | 0.126  |
| 202      | 0        | Correlation         | 15.529     | 15.653      | 0.124  |
| 203      | 50       | Biased              | 15.495     | 15.321      | -0.174 |
| 204      | 50       | Biased              | 15.321     | 15.146      | -0.175 |
| 205      | 50       | Biased              | 15.678     | 15.504      | -0.174 |
| 206      | 50       | Biased              | 15.683     | 15.483      | -0.2   |
| 207      | 50       | Biased              | 15.69      | 15.506      | -0.184 |
| 208      | 50       | Biased              | 15.488     | 15.311      | -0.177 |
| 209      | 50       | Unbiased            | 15.497     | 14.505      | -0.992 |
| 210      | 50       | Unbiased            | 15.516     | 14.522      | -0.994 |
| 211      | 50       | Unbiased            | 15.729     | 15.521      | -0.208 |
| 212      | 50       | Unbiased            | 15.23      | 14.213      | -1.017 |
| 213      | 50       | Unbiased            | 15.674     | 14.634      | -1.04  |
| 214      | 50       | Unbiased            | 15.506     | 14.453      | -1.053 |
| 1200     | 0        | Correlation         | 15.59      | 15.718      | 0.128  |
| 1201     | 0        | Correlation         | 15.393     | 15.487      | 0.094  |
| 1202     | 0        | Correlation         | 15.529     | 15.611      | 0.082  |
| 1203     | 100      | Biased              | 15.495     | 14.311      | -1.184 |
| 1204     | 100      | Biased              | 15.321     | 14.187      | -1.134 |
| 1205     | 100      | Biased              | 15.678     | 14.512      | -1.166 |
| 1206     | 100      | Biased              | 15.683     | 15.3        | -0.383 |
| 1207     | 100      | Biased              | 15.69      | 14.52       | -1.17  |
| 1208     | 100      | Biased              | 15.488     | 14.366      | -1.122 |
| 1209     | 100      | Unbiased            | 15.497     | 14.656      | -0.841 |
| 1210     | 100      | Unbiased            | 15.516     | 14.673      | -0.843 |
| 1211     | 100      | Unbiased            | 15.729     | 15.356      | -0.373 |
| 1212     | 100      | Unbiased            | 15.23      | 14.389      | -0.841 |
| 1213     | 100      | Unbiased            | 15.674     | 14.791      | -0.883 |
| 1214     | 100      | Unbiased            | 15.506     | 14.614      | -0.892 |

TID vs Post - Pre Exposure Delta

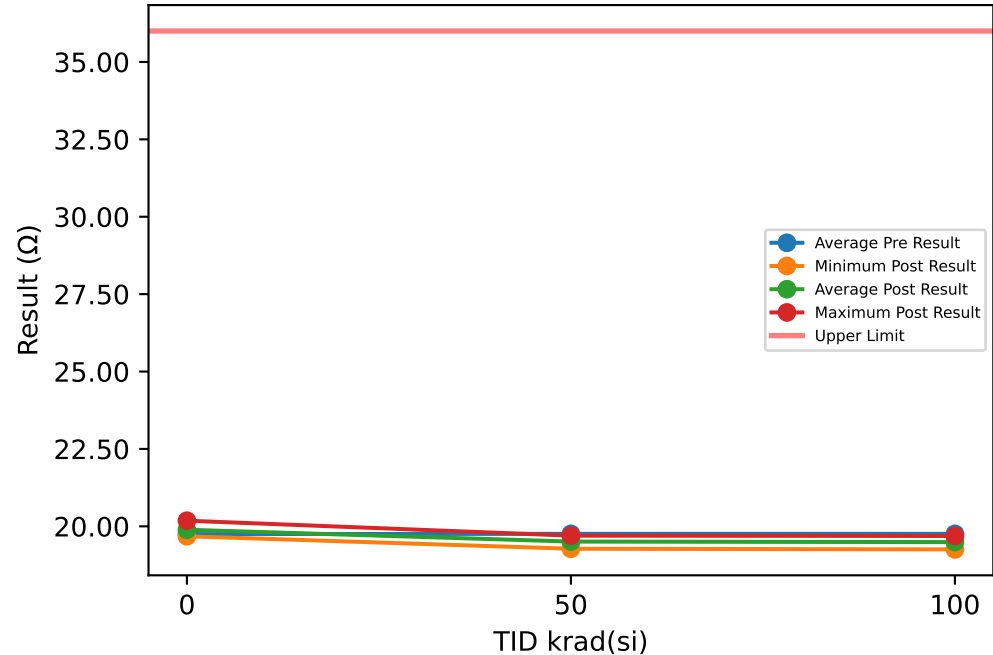


Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 15.393           | 15.504           | 15.59            | 0.090204         | 15.487            | 15.614            | 15.718            | 0.093701          | 0.082     | 0.10967   | 0.128     | 0.019242  |
| 50       | 15.23            | 15.542           | 15.729           | 0.15608          | 14.213            | 15.01             | 15.521            | 0.50097           | -1.053    | -0.53233  | -0.174    | 0.43021   |
| 100      | 15.23            | 15.542           | 15.729           | 0.15608          | 14.187            | 14.64             | 15.356            | 0.36374           | -1.184    | -0.90267  | -0.373    | 0.28346   |

Device Test: 18.42 ; RESET\_RNMOS

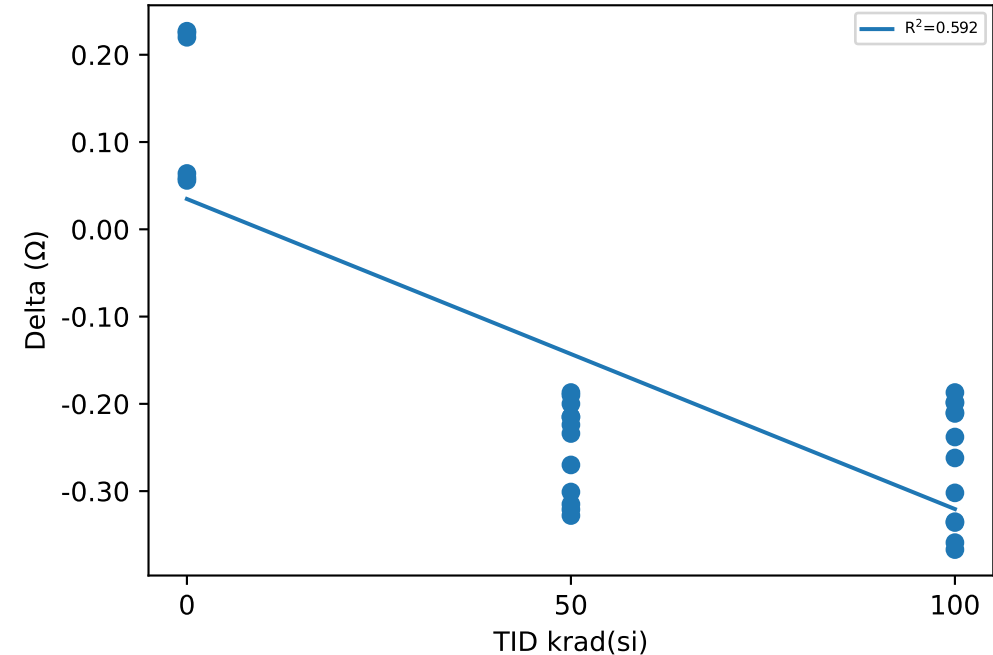
TID vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 19.668     | 19.724      | 0.056  |
| 201      | 0        | Correlation         | 19.615     | 19.679      | 0.064  |
| 202      | 0        | Correlation         | 19.962     | 20.021      | 0.059  |
| 203      | 50       | Biased              | 19.834     | 19.6        | -0.234 |
| 204      | 50       | Biased              | 19.771     | 19.547      | -0.224 |
| 205      | 50       | Biased              | 19.776     | 19.586      | -0.19  |
| 206      | 50       | Biased              | 19.734     | 19.519      | -0.215 |
| 207      | 50       | Biased              | 19.886     | 19.699      | -0.187 |
| 208      | 50       | Biased              | 19.812     | 19.597      | -0.215 |
| 209      | 50       | Unbiased            | 19.708     | 19.407      | -0.301 |
| 210      | 50       | Unbiased            | 19.592     | 19.322      | -0.27  |
| 211      | 50       | Unbiased            | 19.794     | 19.594      | -0.2   |
| 212      | 50       | Unbiased            | 19.591     | 19.276      | -0.315 |
| 213      | 50       | Unbiased            | 19.74      | 19.419      | -0.321 |
| 214      | 50       | Unbiased            | 19.854     | 19.526      | -0.328 |
| 1200     | 0        | Correlation         | 19.668     | 19.895      | 0.227  |
| 1201     | 0        | Correlation         | 19.615     | 19.84       | 0.225  |
| 1202     | 0        | Correlation         | 19.962     | 20.182      | 0.22   |
| 1203     | 100      | Biased              | 19.834     | 19.572      | -0.262 |
| 1204     | 100      | Biased              | 19.771     | 19.533      | -0.238 |
| 1205     | 100      | Biased              | 19.776     | 19.566      | -0.21  |
| 1206     | 100      | Biased              | 19.734     | 19.535      | -0.199 |
| 1207     | 100      | Biased              | 19.886     | 19.688      | -0.198 |
| 1208     | 100      | Biased              | 19.812     | 19.601      | -0.211 |
| 1209     | 100      | Unbiased            | 19.708     | 19.373      | -0.335 |
| 1210     | 100      | Unbiased            | 19.592     | 19.29       | -0.302 |
| 1211     | 100      | Unbiased            | 19.794     | 19.607      | -0.187 |
| 1212     | 100      | Unbiased            | 19.591     | 19.255      | -0.336 |
| 1213     | 100      | Unbiased            | 19.74      | 19.373      | -0.367 |
| 1214     | 100      | Unbiased            | 19.854     | 19.495      | -0.359 |

TID vs Post - Pre Exposure Delta

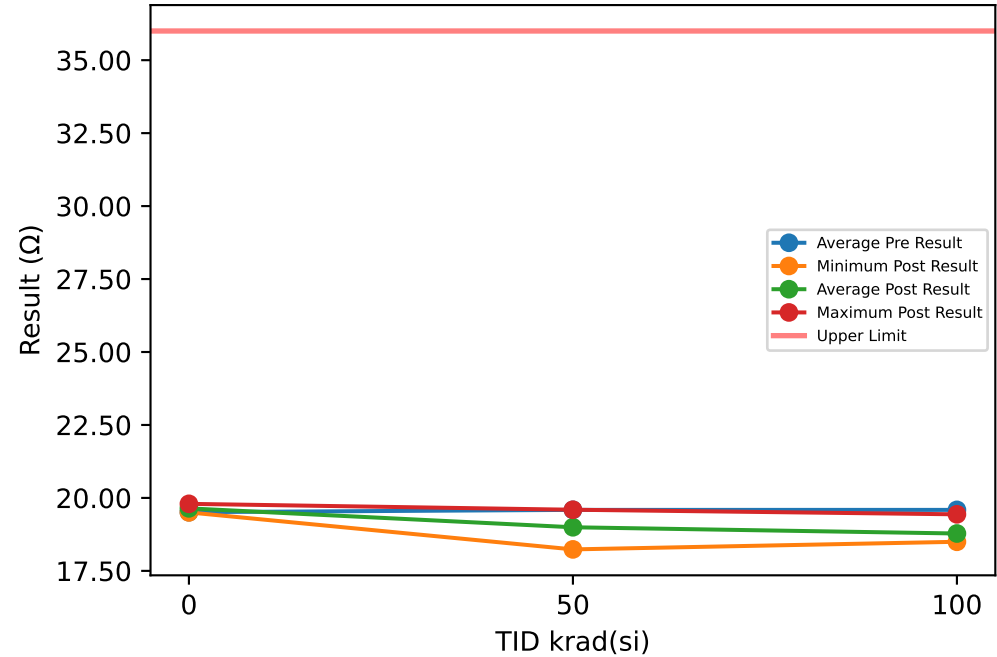


Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 19.615           | 19.748           | 19.962           | 0.16719          | 19.679            | 19.89             | 20.182            | 0.18816           | 0.056     | 0.14183   | 0.227     | 0.090074  |
| 50       | 19.591           | 19.758           | 19.886           | 0.092895         | 19.276            | 19.508            | 19.699            | 0.12608           | -0.328    | -0.25     | -0.187    | 0.053769  |
| 100      | 19.591           | 19.758           | 19.886           | 0.092895         | 19.255            | 19.491            | 19.688            | 0.13625           | -0.367    | -0.267    | -0.187    | 0.068828  |

Device Test: 18.43 ; RESET\_RNMOS

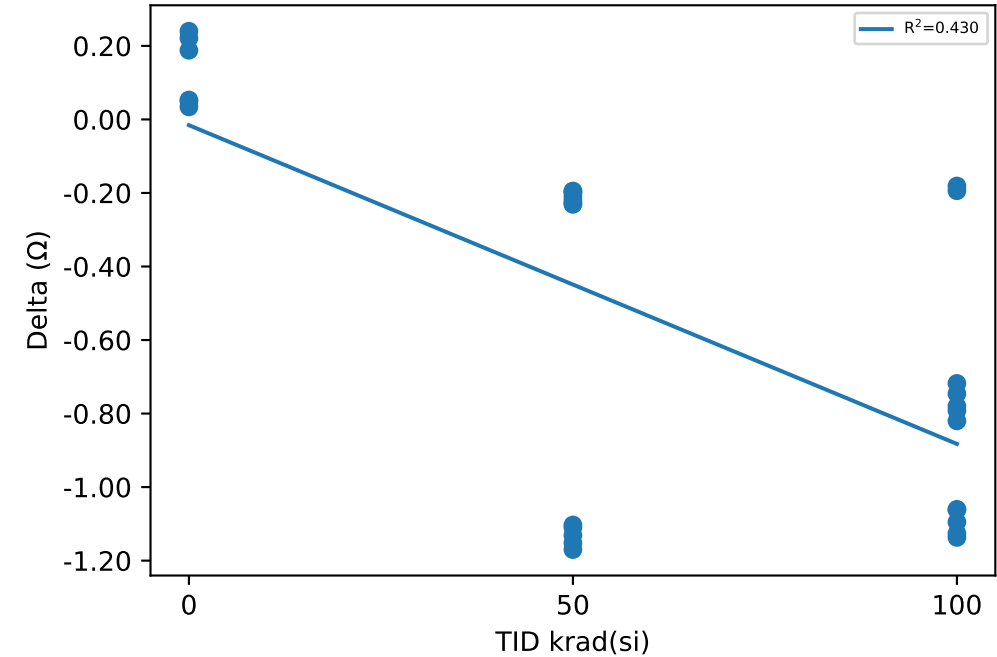
TID vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 19.557     | 19.607      | 0.05   |
| 201      | 0        | Correlation         | 19.451     | 19.504      | 0.053  |
| 202      | 0        | Correlation         | 19.527     | 19.561      | 0.034  |
| 203      | 50       | Biased              | 19.739     | 19.51       | -0.229 |
| 204      | 50       | Biased              | 19.665     | 19.444      | -0.221 |
| 205      | 50       | Biased              | 19.79      | 19.595      | -0.195 |
| 206      | 50       | Biased              | 19.437     | 19.226      | -0.211 |
| 207      | 50       | Biased              | 19.8       | 19.569      | -0.231 |
| 208      | 50       | Biased              | 19.558     | 19.357      | -0.201 |
| 209      | 50       | Unbiased            | 19.423     | 18.32       | -1.103 |
| 210      | 50       | Unbiased            | 19.574     | 18.464      | -1.11  |
| 211      | 50       | Unbiased            | 19.619     | 19.424      | -0.195 |
| 212      | 50       | Unbiased            | 19.367     | 18.236      | -1.131 |
| 213      | 50       | Unbiased            | 19.582     | 18.43       | -1.152 |
| 214      | 50       | Unbiased            | 19.526     | 18.356      | -1.17  |
| 1200     | 0        | Correlation         | 19.557     | 19.797      | 0.24   |
| 1201     | 0        | Correlation         | 19.451     | 19.672      | 0.221  |
| 1202     | 0        | Correlation         | 19.527     | 19.715      | 0.188  |
| 1203     | 100      | Biased              | 19.739     | 18.613      | -1.126 |
| 1204     | 100      | Biased              | 19.665     | 18.528      | -1.137 |
| 1205     | 100      | Biased              | 19.79      | 18.729      | -1.061 |
| 1206     | 100      | Biased              | 19.437     | 19.243      | -0.194 |
| 1207     | 100      | Biased              | 19.8       | 18.705      | -1.095 |
| 1208     | 100      | Biased              | 19.558     | 18.497      | -1.061 |
| 1209     | 100      | Unbiased            | 19.423     | 18.677      | -0.746 |
| 1210     | 100      | Unbiased            | 19.574     | 18.856      | -0.718 |
| 1211     | 100      | Unbiased            | 19.619     | 19.438      | -0.181 |
| 1212     | 100      | Unbiased            | 19.367     | 18.575      | -0.792 |
| 1213     | 100      | Unbiased            | 19.582     | 18.802      | -0.78  |
| 1214     | 100      | Unbiased            | 19.526     | 18.706      | -0.82  |

TID vs Post - Pre Exposure Delta

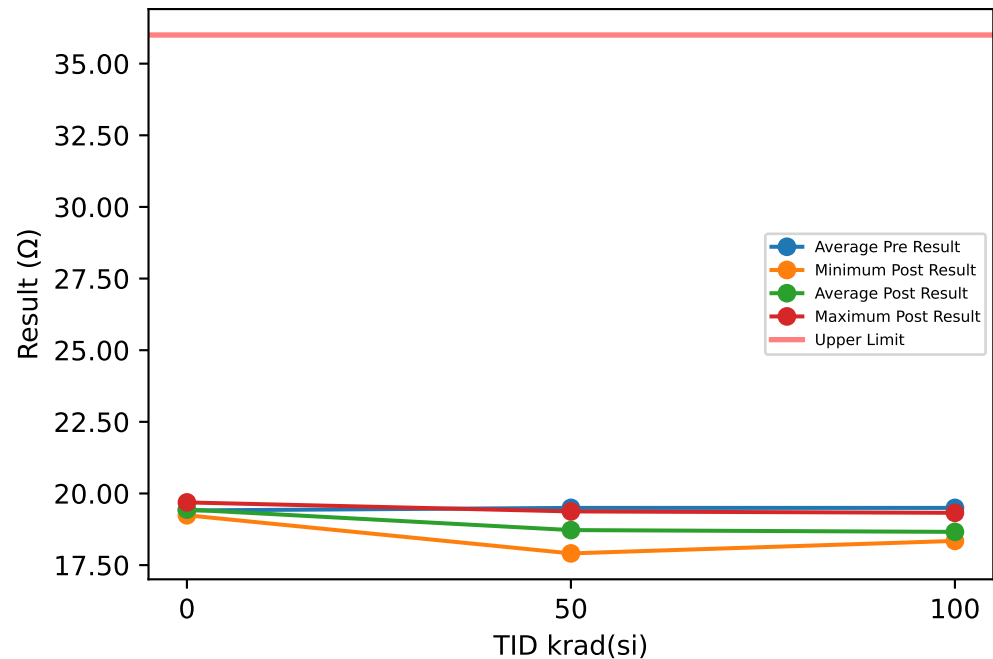


Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 19.451           | 19.512           | 19.557           | 0.04887          | 19.504            | 19.643            | 19.797            | 0.10685           | 0.034     | 0.131     | 0.24      | 0.095167  |
| 50       | 19.367           | 19.59            | 19.8             | 0.14117          | 18.236            | 18.994            | 19.595            | 0.56937           | -1.17     | -0.59575  | -0.195    | 0.47487   |
| 100      | 19.367           | 19.59            | 19.8             | 0.14117          | 18.497            | 18.781            | 19.438            | 0.28467           | -1.137    | -0.80925  | -0.181    | 0.3307    |

Device Test: 18.44 ; RESET\_RNMOS

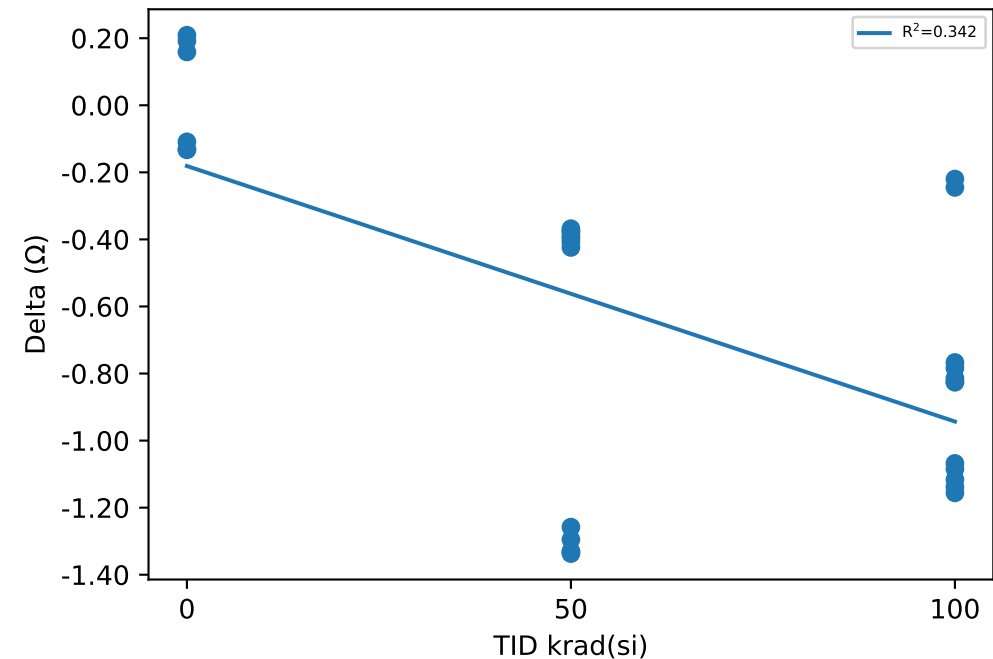
TID vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 19.479     | 19.348      | -0.131 |
| 201      | 0        | Correlation         | 19.349     | 19.24       | -0.109 |
| 202      | 0        | Correlation         | 19.396     | 19.263      | -0.133 |
| 203      | 50       | Biased              | 19.73      | 19.306      | -0.424 |
| 204      | 50       | Biased              | 19.483     | 19.075      | -0.408 |
| 205      | 50       | Biased              | 19.742     | 19.374      | -0.368 |
| 206      | 50       | Biased              | 19.349     | 18.951      | -0.398 |
| 207      | 50       | Biased              | 19.73      | 19.34       | -0.39  |
| 208      | 50       | Biased              | 19.428     | 19.053      | -0.375 |
| 209      | 50       | Unbiased            | 19.429     | 18.099      | -1.33  |
| 210      | 50       | Unbiased            | 19.424     | 18.166      | -1.258 |
| 211      | 50       | Unbiased            | 19.545     | 19.167      | -0.378 |
| 212      | 50       | Unbiased            | 19.204     | 17.909      | -1.295 |
| 213      | 50       | Unbiased            | 19.525     | 18.193      | -1.332 |
| 214      | 50       | Unbiased            | 19.376     | 18.039      | -1.337 |
| 1200     | 0        | Correlation         | 19.479     | 19.688      | 0.209  |
| 1201     | 0        | Correlation         | 19.349     | 19.541      | 0.192  |
| 1202     | 0        | Correlation         | 19.396     | 19.555      | 0.159  |
| 1203     | 100      | Biased              | 19.73      | 18.574      | -1.156 |
| 1204     | 100      | Biased              | 19.483     | 18.345      | -1.138 |
| 1205     | 100      | Biased              | 19.742     | 18.657      | -1.085 |
| 1206     | 100      | Biased              | 19.349     | 19.104      | -0.245 |
| 1207     | 100      | Biased              | 19.73      | 18.614      | -1.116 |
| 1208     | 100      | Biased              | 19.428     | 18.36       | -1.068 |
| 1209     | 100      | Unbiased            | 19.429     | 18.615      | -0.814 |
| 1210     | 100      | Unbiased            | 19.424     | 18.657      | -0.767 |
| 1211     | 100      | Unbiased            | 19.545     | 19.325      | -0.22  |
| 1212     | 100      | Unbiased            | 19.204     | 18.42       | -0.784 |
| 1213     | 100      | Unbiased            | 19.525     | 18.699      | -0.826 |
| 1214     | 100      | Unbiased            | 19.376     | 18.551      | -0.825 |

TID vs Post - Pre Exposure Delta

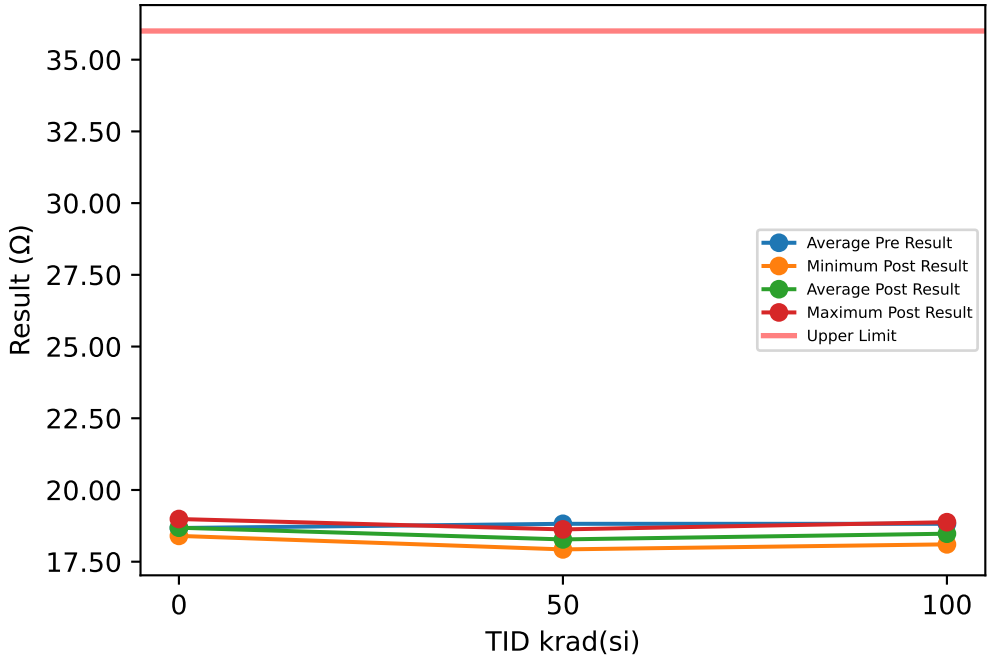


Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 19.349           | 19.408           | 19.479           | 0.058876         | 19.24             | 19.439            | 19.688            | 0.1815            | -0.133    | 0.031167  | 0.209     | 0.17131   |
| 50       | 19.204           | 19.497           | 19.742           | 0.1676           | 17.909            | 18.723            | 19.374            | 0.58288           | -1.337    | -0.77442  | -0.368    | 0.4738    |
| 100      | 19.204           | 19.497           | 19.742           | 0.1676           | 18.345            | 18.66             | 19.325            | 0.2878            | -1.156    | -0.837    | -0.22     | 0.31976   |

Device Test: 18.45 ; RESET\_RNMOS

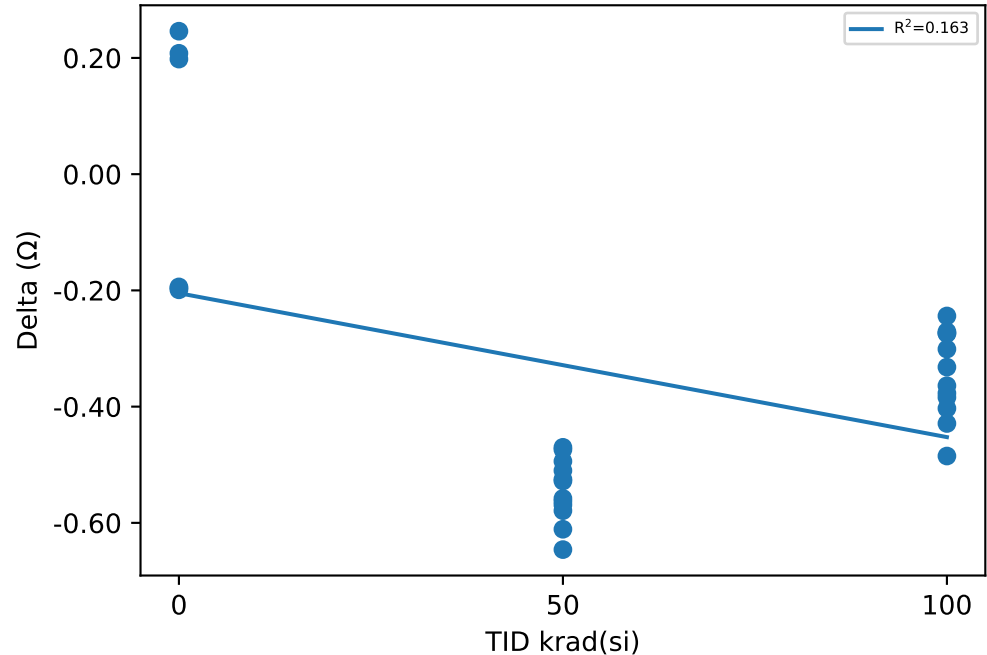
TID vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 18.742     | 18.543      | -0.199 |
| 201      | 0        | Correlation         | 18.594     | 18.4        | -0.194 |
| 202      | 0        | Correlation         | 18.688     | 18.492      | -0.196 |
| 203      | 50       | Biased              | 19.137     | 18.579      | -0.558 |
| 204      | 50       | Biased              | 18.719     | 18.225      | -0.494 |
| 205      | 50       | Biased              | 19.094     | 18.566      | -0.528 |
| 206      | 50       | Biased              | 18.664     | 18.194      | -0.47  |
| 207      | 50       | Biased              | 19.151     | 18.626      | -0.525 |
| 208      | 50       | Biased              | 18.671     | 18.197      | -0.474 |
| 209      | 50       | Unbiased            | 18.697     | 18.134      | -0.563 |
| 210      | 50       | Unbiased            | 18.726     | 18.157      | -0.569 |
| 211      | 50       | Unbiased            | 18.863     | 18.353      | -0.51  |
| 212      | 50       | Unbiased            | 18.508     | 17.929      | -0.579 |
| 213      | 50       | Unbiased            | 18.933     | 18.287      | -0.646 |
| 214      | 50       | Unbiased            | 18.688     | 18.077      | -0.611 |
| 1200     | 0        | Correlation         | 18.742     | 18.988      | 0.246  |
| 1201     | 0        | Correlation         | 18.594     | 18.792      | 0.198  |
| 1202     | 0        | Correlation         | 18.688     | 18.896      | 0.208  |
| 1203     | 100      | Biased              | 19.137     | 18.773      | -0.364 |
| 1204     | 100      | Biased              | 18.719     | 18.418      | -0.301 |
| 1205     | 100      | Biased              | 19.094     | 18.762      | -0.332 |
| 1206     | 100      | Biased              | 18.664     | 18.42       | -0.244 |
| 1207     | 100      | Biased              | 19.151     | 18.877      | -0.274 |
| 1208     | 100      | Biased              | 18.671     | 18.4        | -0.271 |
| 1209     | 100      | Unbiased            | 18.697     | 18.313      | -0.384 |
| 1210     | 100      | Unbiased            | 18.726     | 18.349      | -0.377 |
| 1211     | 100      | Unbiased            | 18.863     | 18.589      | -0.274 |
| 1212     | 100      | Unbiased            | 18.508     | 18.105      | -0.403 |
| 1213     | 100      | Unbiased            | 18.933     | 18.448      | -0.485 |
| 1214     | 100      | Unbiased            | 18.688     | 18.259      | -0.429 |

TID vs Post - Pre Exposure Delta



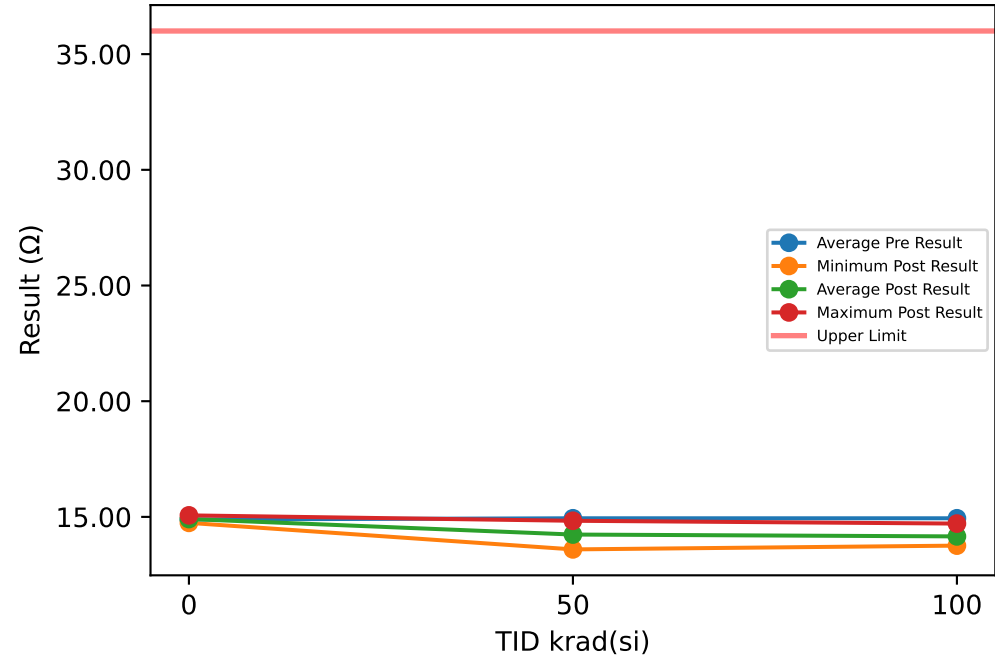
Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 18.594           | 18.675           | 18.742           | 0.066989         | 18.4              | 18.685            | 18.988            | 0.23934           | -0.199    | 0.0105    | 0.246     | 0.22715   |
| 50       | 18.508           | 18.821           | 19.151           | 0.21218          | 17.929            | 18.277            | 18.626            | 0.21624           | -0.646    | -0.54392  | -0.47     | 0.053893  |
| 100      | 18.508           | 18.821           | 19.151           | 0.21218          | 18.105            | 18.476            | 18.877            | 0.23043           | -0.485    | -0.34483  | -0.244    | 0.074339  |



Device Test: 18.46 ; PWRGD\_RNMOS

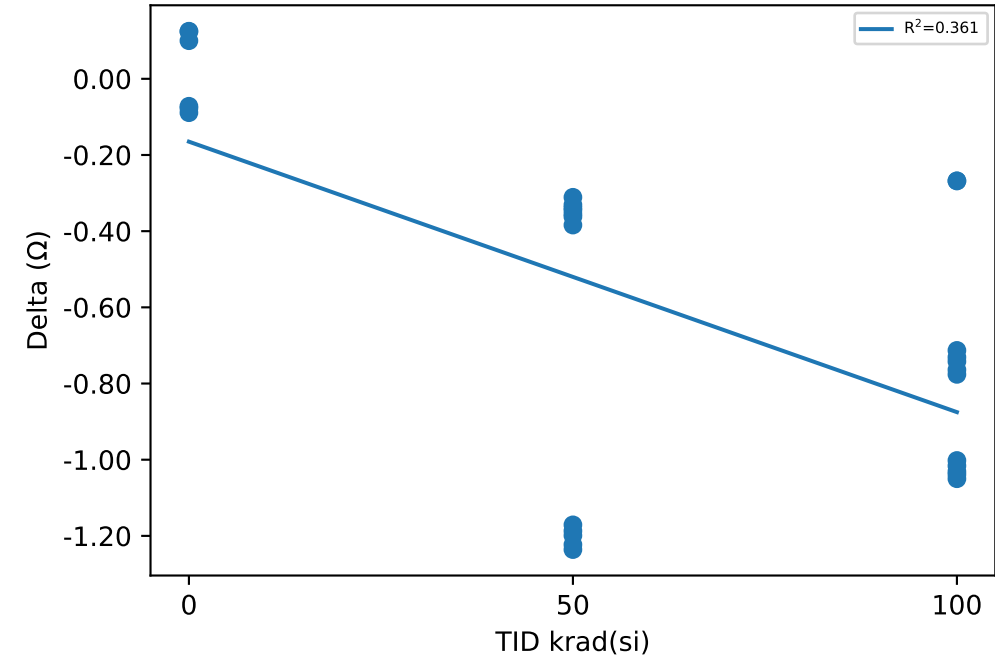
TID vs Result Stats



Test Results (Upper Limit = 36.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 14.942     | 14.87       | -0.072 |
| 201      | 0        | Correlation         | 14.819     | 14.742      | -0.077 |
| 202      | 0        | Correlation         | 14.904     | 14.815      | -0.089 |
| 203      | 50       | Biased              | 14.944     | 14.582      | -0.362 |
| 204      | 50       | Biased              | 14.797     | 14.413      | -0.384 |
| 205      | 50       | Biased              | 15.143     | 14.832      | -0.311 |
| 206      | 50       | Biased              | 14.972     | 14.627      | -0.345 |
| 207      | 50       | Biased              | 15.085     | 14.754      | -0.331 |
| 208      | 50       | Biased              | 14.955     | 14.616      | -0.339 |
| 209      | 50       | Unbiased            | 14.8       | 13.613      | -1.187 |
| 210      | 50       | Unbiased            | 14.861     | 13.69       | -1.171 |
| 211      | 50       | Unbiased            | 14.979     | 14.624      | -0.355 |
| 212      | 50       | Unbiased            | 14.818     | 13.595      | -1.223 |
| 213      | 50       | Unbiased            | 15.021     | 13.822      | -1.199 |
| 214      | 50       | Unbiased            | 14.908     | 13.672      | -1.236 |
| 1200     | 0        | Correlation         | 14.942     | 15.066      | 0.124  |
| 1201     | 0        | Correlation         | 14.819     | 14.944      | 0.125  |
| 1202     | 0        | Correlation         | 14.904     | 15.004      | 0.1    |
| 1203     | 100      | Biased              | 14.944     | 13.894      | -1.05  |
| 1204     | 100      | Biased              | 14.797     | 13.758      | -1.039 |
| 1205     | 100      | Biased              | 15.143     | 14.112      | -1.031 |
| 1206     | 100      | Biased              | 14.972     | 14.704      | -0.268 |
| 1207     | 100      | Biased              | 15.085     | 14.069      | -1.016 |
| 1208     | 100      | Biased              | 14.955     | 13.953      | -1.002 |
| 1209     | 100      | Unbiased            | 14.8       | 14.069      | -0.731 |
| 1210     | 100      | Unbiased            | 14.861     | 14.148      | -0.713 |
| 1211     | 100      | Unbiased            | 14.979     | 14.711      | -0.268 |
| 1212     | 100      | Unbiased            | 14.818     | 14.076      | -0.742 |
| 1213     | 100      | Unbiased            | 15.021     | 14.257      | -0.764 |
| 1214     | 100      | Unbiased            | 14.908     | 14.132      | -0.776 |

TID vs Post - Pre Exposure Delta

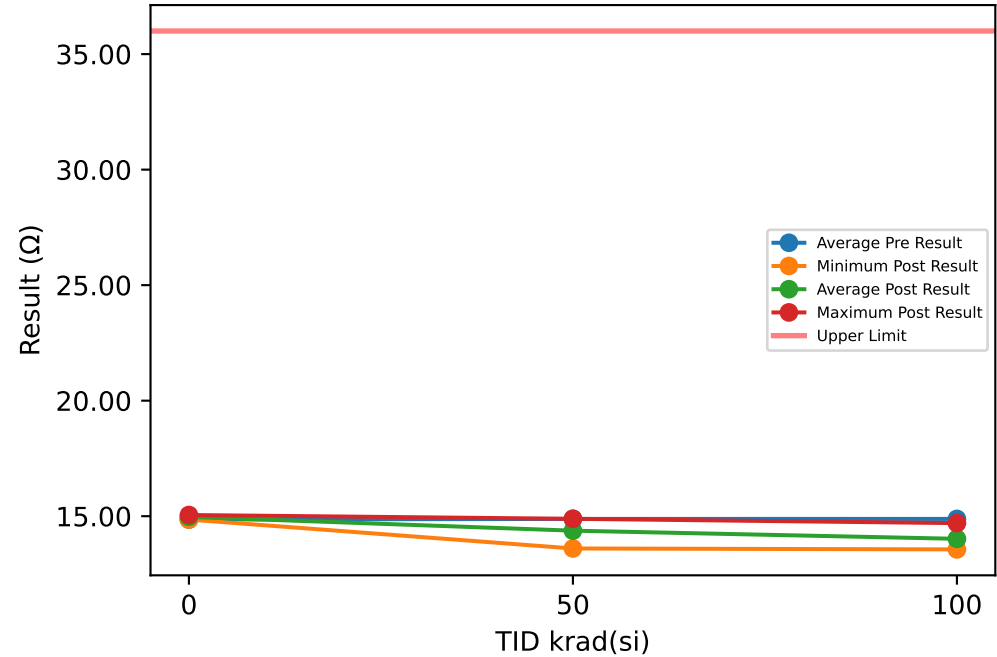


Test Statistics (Ω)

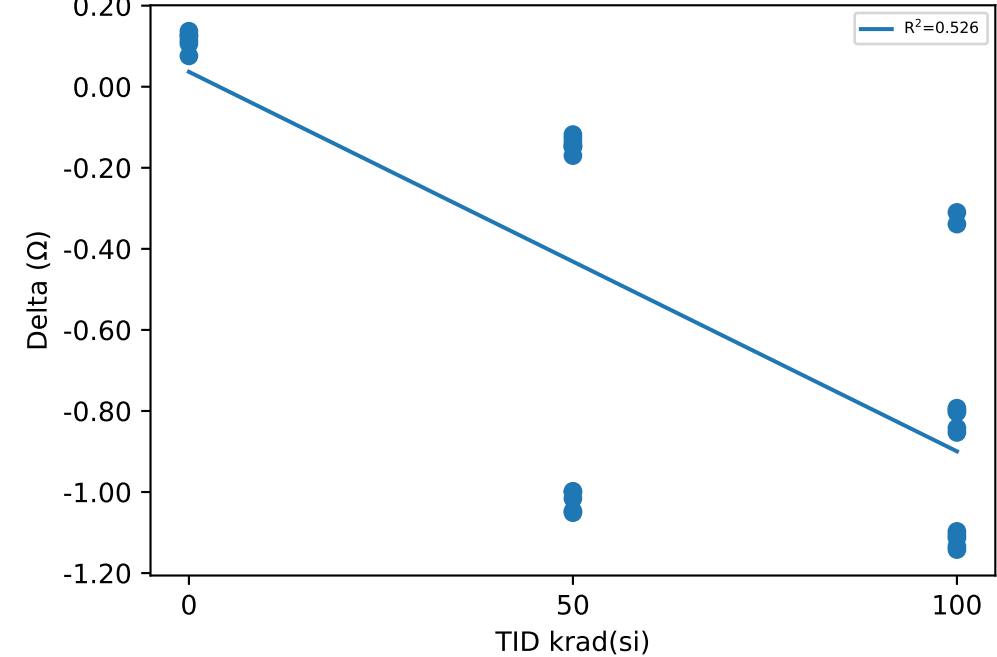
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 14.819           | 14.888           | 14.942           | 0.05633          | 14.742            | 14.907            | 15.066            | 0.12093           | -0.089    | 0.0185    | 0.125     | 0.10769   |
| 50       | 14.797           | 14.94            | 15.143           | 0.11028          | 13.595            | 14.237            | 14.832            | 0.50534           | -1.236    | -0.70358  | -0.311    | 0.44165   |
| 100      | 14.797           | 14.94            | 15.143           | 0.11028          | 13.758            | 14.157            | 14.711            | 0.28776           | -1.05     | -0.78333  | -0.268    | 0.27646   |

Device Test: 18.47 ; WDO\_RNMOS

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 36.0 (Ω))

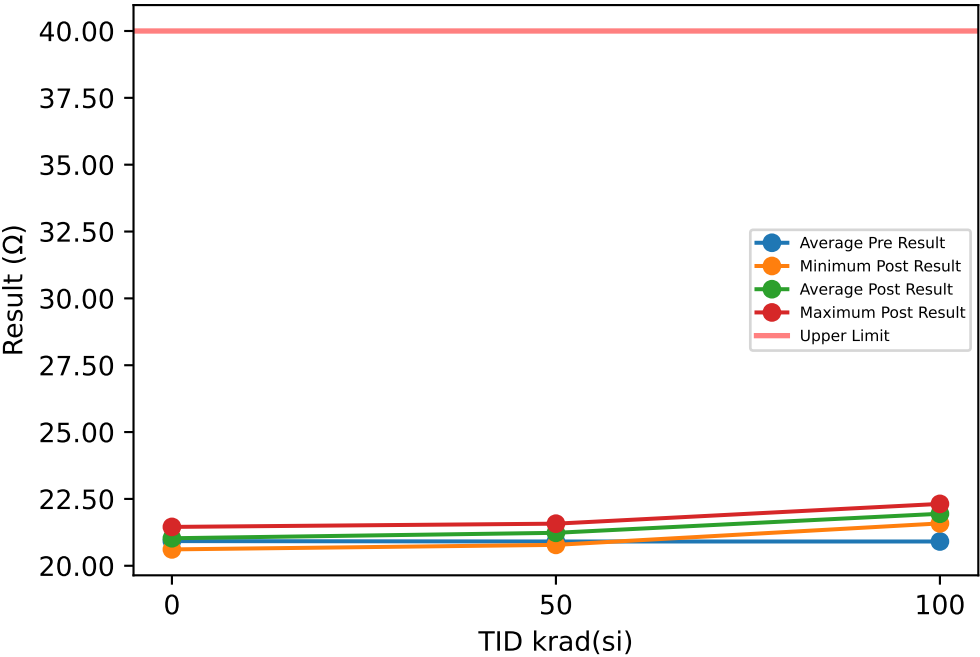
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 14.926     | 15.051      | 0.125  |
| 201      | 0        | Correlation         | 14.749     | 14.886      | 0.137  |
| 202      | 0        | Correlation         | 14.892     | 15.019      | 0.127  |
| 203      | 50       | Biased              | 14.862     | 14.714      | -0.148 |
| 204      | 50       | Biased              | 14.705     | 14.535      | -0.17  |
| 205      | 50       | Biased              | 15         | 14.882      | -0.118 |
| 206      | 50       | Biased              | 14.979     | 14.831      | -0.148 |
| 207      | 50       | Biased              | 15.024     | 14.887      | -0.137 |
| 208      | 50       | Biased              | 14.838     | 14.711      | -0.127 |
| 209      | 50       | Unbiased            | 14.853     | 13.855      | -0.998 |
| 210      | 50       | Unbiased            | 14.856     | 13.856      | -1     |
| 211      | 50       | Unbiased            | 15.01      | 14.865      | -0.145 |
| 212      | 50       | Unbiased            | 14.619     | 13.603      | -1.016 |
| 213      | 50       | Unbiased            | 14.991     | 13.94       | -1.051 |
| 214      | 50       | Unbiased            | 14.849     | 13.802      | -1.047 |
| 1200     | 0        | Correlation         | 14.926     | 15.04       | 0.114  |
| 1201     | 0        | Correlation         | 14.749     | 14.855      | 0.106  |
| 1202     | 0        | Correlation         | 14.892     | 14.968      | 0.076  |
| 1203     | 100      | Biased              | 14.862     | 13.728      | -1.134 |
| 1204     | 100      | Biased              | 14.705     | 13.563      | -1.142 |
| 1205     | 100      | Biased              | 15         | 13.894      | -1.106 |
| 1206     | 100      | Biased              | 14.979     | 14.64       | -0.339 |
| 1207     | 100      | Biased              | 15.024     | 13.911      | -1.113 |
| 1208     | 100      | Biased              | 14.838     | 13.741      | -1.097 |
| 1209     | 100      | Unbiased            | 14.853     | 14.06       | -0.793 |
| 1210     | 100      | Unbiased            | 14.856     | 14.053      | -0.803 |
| 1211     | 100      | Unbiased            | 15.01      | 14.7        | -0.31  |
| 1212     | 100      | Unbiased            | 14.619     | 13.821      | -0.798 |
| 1213     | 100      | Unbiased            | 14.991     | 14.138      | -0.853 |
| 1214     | 100      | Unbiased            | 14.849     | 14.007      | -0.842 |

Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 14.749           | 14.856           | 14.926           | 0.084011         | 14.855            | 14.97             | 15.051            | 0.08264           | 0.076     | 0.11417   | 0.137     | 0.021572  |
| 50       | 14.619           | 14.882           | 15.024           | 0.12692          | 13.603            | 14.373            | 14.887            | 0.51114           | -1.051    | -0.50875  | -0.118    | 0.45384   |
| 100      | 14.619           | 14.882           | 15.024           | 0.12692          | 13.563            | 14.021            | 14.7              | 0.34416           | -1.142    | -0.86083  | -0.31     | 0.28939   |

Device Test: 18.5 ; WDO\_RPMOS\_LOW\_V

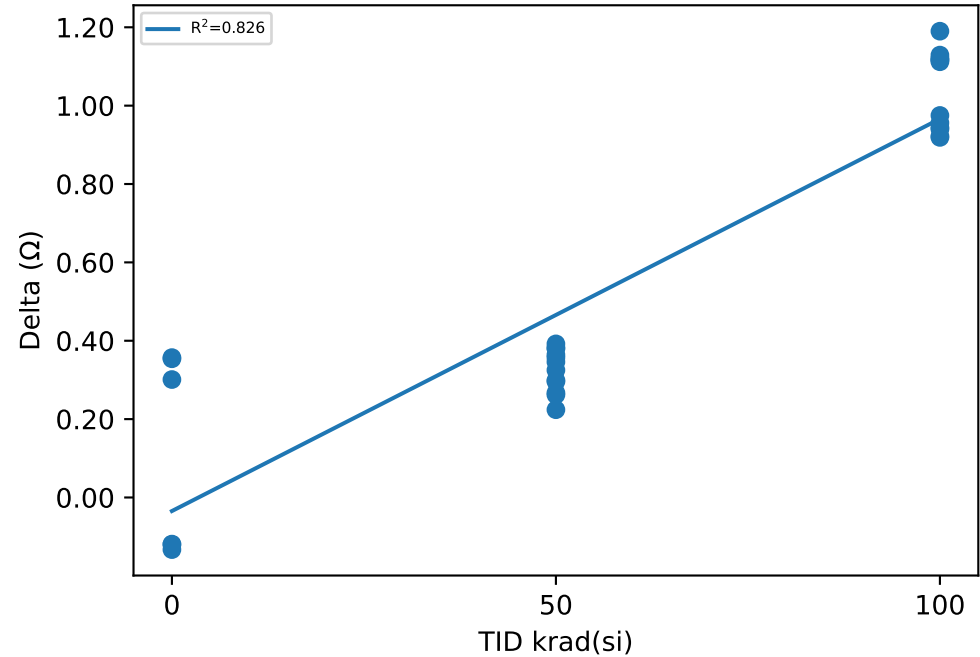
TID vs Result Stats



Test Results (Upper Limit = 40.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 20.923     | 20.804      | -0.119 |
| 201      | 0        | Correlation         | 20.745     | 20.612      | -0.133 |
| 202      | 0        | Correlation         | 21.099     | 20.979      | -0.12  |
| 203      | 50       | Biased              | 20.754     | 21.111      | 0.357  |
| 204      | 50       | Biased              | 20.701     | 21.065      | 0.364  |
| 205      | 50       | Biased              | 21.004     | 21.384      | 0.38   |
| 206      | 50       | Biased              | 21.249     | 21.574      | 0.325  |
| 207      | 50       | Biased              | 20.948     | 21.33       | 0.382  |
| 208      | 50       | Biased              | 20.628     | 20.974      | 0.346  |
| 209      | 50       | Unbiased            | 20.906     | 21.202      | 0.296  |
| 210      | 50       | Unbiased            | 20.903     | 21.202      | 0.299  |
| 211      | 50       | Unbiased            | 21.124     | 21.516      | 0.392  |
| 212      | 50       | Unbiased            | 20.557     | 20.781      | 0.224  |
| 213      | 50       | Unbiased            | 21.088     | 21.355      | 0.267  |
| 214      | 50       | Unbiased            | 21.03      | 21.292      | 0.262  |
| 1200     | 0        | Correlation         | 20.923     | 21.28       | 0.357  |
| 1201     | 0        | Correlation         | 20.745     | 21.046      | 0.301  |
| 1202     | 0        | Correlation         | 21.099     | 21.453      | 0.354  |
| 1203     | 100      | Biased              | 20.754     | 21.694      | 0.94   |
| 1204     | 100      | Biased              | 20.701     | 21.623      | 0.922  |
| 1205     | 100      | Biased              | 21.004     | 21.948      | 0.944  |
| 1206     | 100      | Biased              | 21.249     | 22.168      | 0.919  |
| 1207     | 100      | Biased              | 20.948     | 21.923      | 0.975  |
| 1208     | 100      | Biased              | 20.628     | 21.584      | 0.956  |
| 1209     | 100      | Unbiased            | 20.906     | 22.035      | 1.129  |
| 1210     | 100      | Unbiased            | 20.903     | 22.024      | 1.121  |
| 1211     | 100      | Unbiased            | 21.124     | 22.314      | 1.19   |
| 1212     | 100      | Unbiased            | 20.557     | 21.673      | 1.116  |
| 1213     | 100      | Unbiased            | 21.088     | 22.2        | 1.112  |
| 1214     | 100      | Unbiased            | 21.03      | 22.148      | 1.118  |

TID vs Post - Pre Exposure Delta

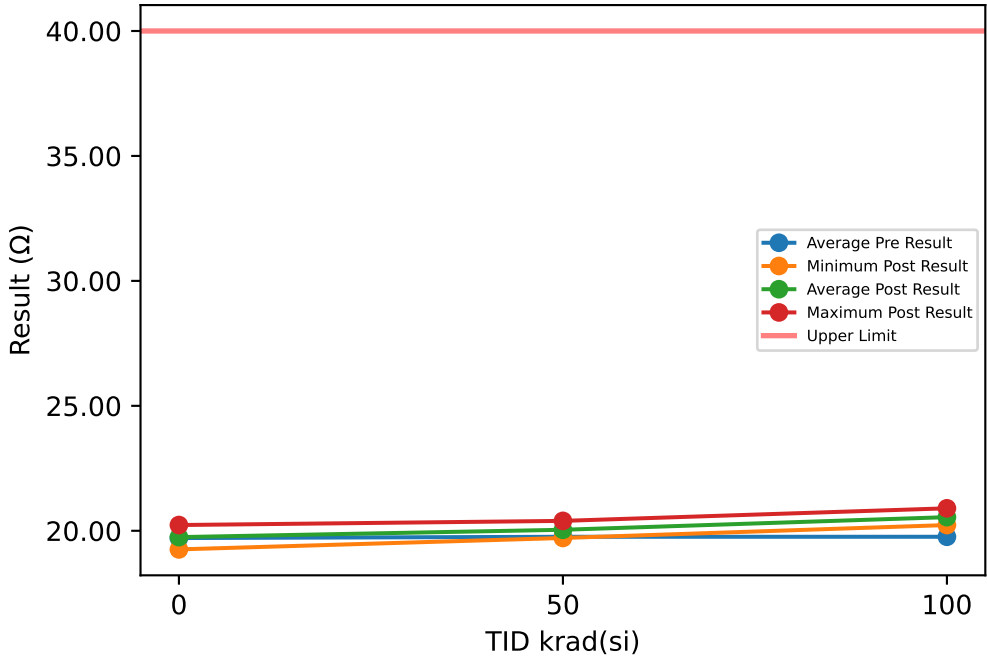


Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 20.745           | 20.922           | 21.099           | 0.15831          | 20.612            | 21.029            | 21.453            | 0.30662           | -0.133    | 0.10667   | 0.357     | 0.25352   |
| 50       | 20.557           | 20.908           | 21.249           | 0.21089          | 20.781            | 21.232            | 21.574            | 0.2263            | 0.224     | 0.3245    | 0.392     | 0.054604  |
| 100      | 20.557           | 20.908           | 21.249           | 0.21089          | 21.584            | 21.945            | 22.314            | 0.24826           | 0.919     | 1.0368    | 1.19      | 0.10134   |

Device Test: 18.6 ; RESET\_RPMOS\_LOW\_V

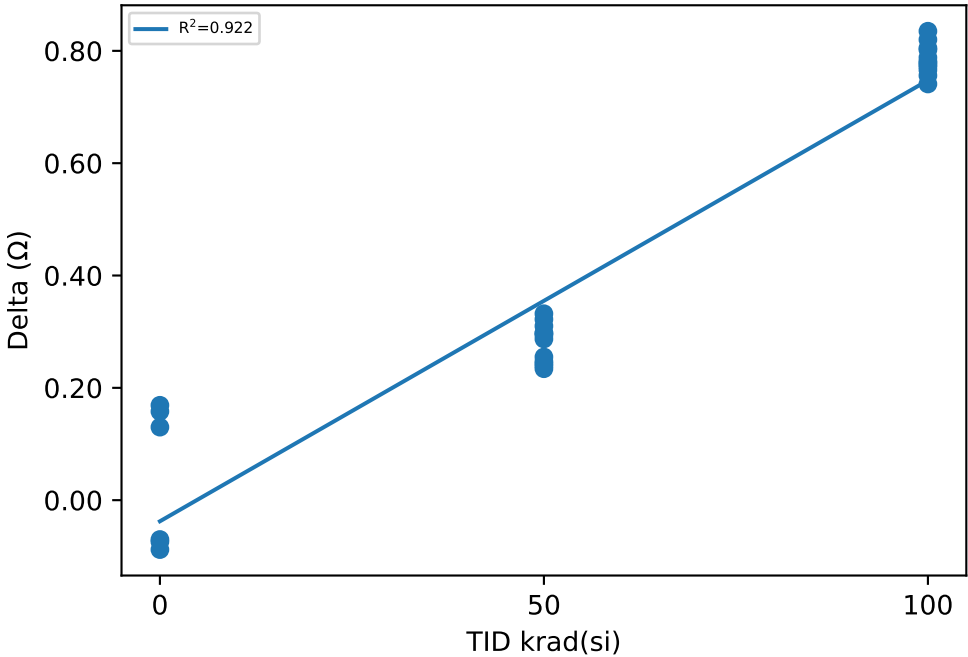
TID vs Result Stats



Test Results (Upper Limit = 40.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 19.736     | 19.666      | -0.07  |
| 201      | 0        | Correlation         | 19.329     | 19.255      | -0.074 |
| 202      | 0        | Correlation         | 20.061     | 19.973      | -0.088 |
| 203      | 50       | Biased              | 19.795     | 20.082      | 0.287  |
| 204      | 50       | Biased              | 19.511     | 19.805      | 0.294  |
| 205      | 50       | Biased              | 19.798     | 20.095      | 0.297  |
| 206      | 50       | Biased              | 19.861     | 20.171      | 0.31   |
| 207      | 50       | Biased              | 19.779     | 20.077      | 0.298  |
| 208      | 50       | Biased              | 19.574     | 19.896      | 0.322  |
| 209      | 50       | Unbiased            | 19.902     | 20.149      | 0.247  |
| 210      | 50       | Unbiased            | 19.642     | 19.897      | 0.255  |
| 211      | 50       | Unbiased            | 20.064     | 20.396      | 0.332  |
| 212      | 50       | Unbiased            | 19.473     | 19.712      | 0.239  |
| 213      | 50       | Unbiased            | 19.94      | 20.183      | 0.243  |
| 214      | 50       | Unbiased            | 19.785     | 20.019      | 0.234  |
| 1200     | 0        | Correlation         | 19.736     | 19.894      | 0.158  |
| 1201     | 0        | Correlation         | 19.329     | 19.459      | 0.13   |
| 1202     | 0        | Correlation         | 20.061     | 20.23       | 0.169  |
| 1203     | 100      | Biased              | 19.795     | 20.6        | 0.805  |
| 1204     | 100      | Biased              | 19.511     | 20.283      | 0.772  |
| 1205     | 100      | Biased              | 19.798     | 20.577      | 0.779  |
| 1206     | 100      | Biased              | 19.861     | 20.602      | 0.741  |
| 1207     | 100      | Biased              | 19.779     | 20.581      | 0.802  |
| 1208     | 100      | Biased              | 19.574     | 20.394      | 0.82   |
| 1209     | 100      | Unbiased            | 19.902     | 20.69       | 0.788  |
| 1210     | 100      | Unbiased            | 19.642     | 20.423      | 0.781  |
| 1211     | 100      | Unbiased            | 20.064     | 20.899      | 0.835  |
| 1212     | 100      | Unbiased            | 19.473     | 20.229      | 0.756  |
| 1213     | 100      | Unbiased            | 19.94      | 20.715      | 0.775  |
| 1214     | 100      | Unbiased            | 19.785     | 20.551      | 0.766  |

TID vs Post - Pre Exposure Delta

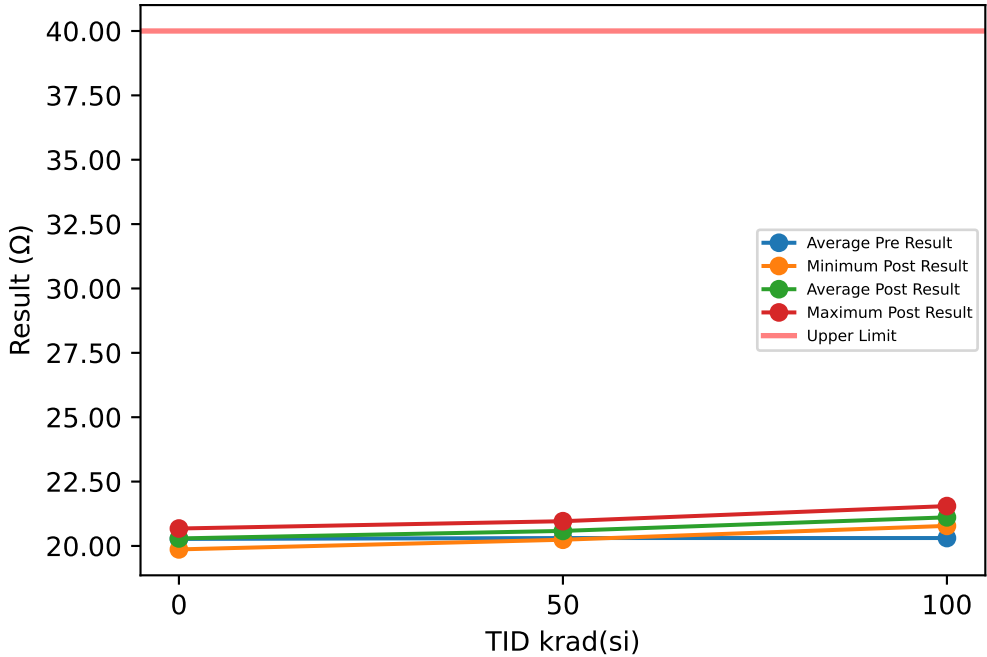


Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 19.329           | 19.709           | 20.061           | 0.32804          | 19.255            | 19.746            | 20.23             | 0.35708           | -0.088    | 0.0375    | 0.169     | 0.12658   |
| 50       | 19.473           | 19.76            | 20.064           | 0.17882          | 19.712            | 20.04             | 20.396            | 0.18752           | 0.234     | 0.27983   | 0.332     | 0.034517  |
| 100      | 19.473           | 19.76            | 20.064           | 0.17882          | 20.229            | 20.545            | 20.899            | 0.18831           | 0.741     | 0.785     | 0.835     | 0.026768  |

Device Test: 18.7 ; RESET\_RPMOS\_LOW\_V

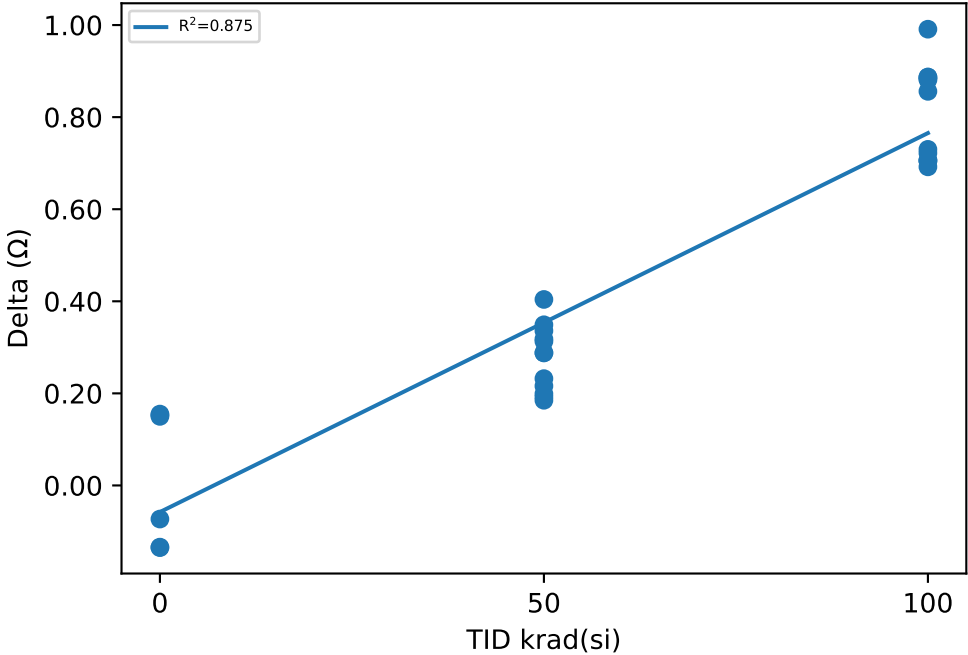
TID vs Result Stats



Test Results (Upper Limit = 40.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 20.356     | 20.222      | -0.134 |
| 201      | 0        | Correlation         | 19.939     | 19.866      | -0.073 |
| 202      | 0        | Correlation         | 20.522     | 20.387      | -0.135 |
| 203      | 50       | Biased              | 20.283     | 20.571      | 0.288  |
| 204      | 50       | Biased              | 20.087     | 20.405      | 0.318  |
| 205      | 50       | Biased              | 20.43      | 20.743      | 0.313  |
| 206      | 50       | Biased              | 20.473     | 20.809      | 0.336  |
| 207      | 50       | Biased              | 20.322     | 20.61       | 0.288  |
| 208      | 50       | Biased              | 20.057     | 20.406      | 0.349  |
| 209      | 50       | Unbiased            | 20.44      | 20.632      | 0.192  |
| 210      | 50       | Unbiased            | 20.231     | 20.447      | 0.216  |
| 211      | 50       | Unbiased            | 20.557     | 20.961      | 0.404  |
| 212      | 50       | Unbiased            | 20.009     | 20.241      | 0.232  |
| 213      | 50       | Unbiased            | 20.453     | 20.652      | 0.199  |
| 214      | 50       | Unbiased            | 20.343     | 20.528      | 0.185  |
| 1200     | 0        | Correlation         | 20.356     | 20.509      | 0.153  |
| 1201     | 0        | Correlation         | 19.939     | 20.089      | 0.15   |
| 1202     | 0        | Correlation         | 20.522     | 20.677      | 0.155  |
| 1203     | 100      | Biased              | 20.283     | 20.99       | 0.707  |
| 1204     | 100      | Biased              | 20.087     | 20.792      | 0.705  |
| 1205     | 100      | Biased              | 20.43      | 21.122      | 0.692  |
| 1206     | 100      | Biased              | 20.473     | 21.203      | 0.73   |
| 1207     | 100      | Biased              | 20.322     | 21.027      | 0.705  |
| 1208     | 100      | Biased              | 20.057     | 20.779      | 0.722  |
| 1209     | 100      | Unbiased            | 20.44      | 21.327      | 0.887  |
| 1210     | 100      | Unbiased            | 20.231     | 21.112      | 0.881  |
| 1211     | 100      | Unbiased            | 20.557     | 21.548      | 0.991  |
| 1212     | 100      | Unbiased            | 20.009     | 20.896      | 0.887  |
| 1213     | 100      | Unbiased            | 20.453     | 21.337      | 0.884  |
| 1214     | 100      | Unbiased            | 20.343     | 21.199      | 0.856  |

TID vs Post - Pre Exposure Delta



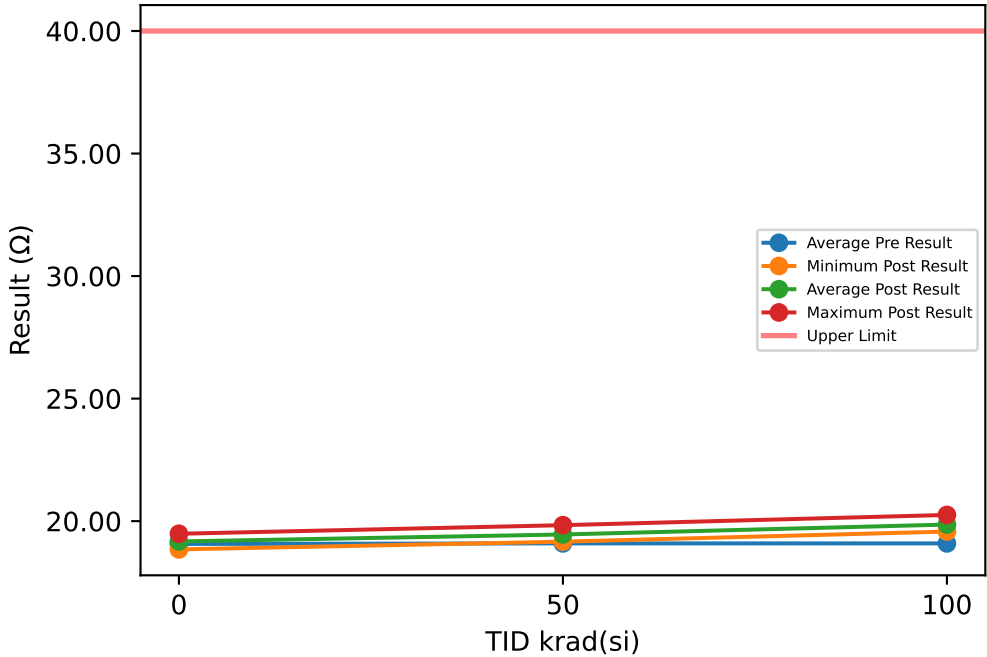
Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 19.939           | 20.272           | 20.522           | 0.26866          | 19.866            | 20.292            | 20.677            | 0.29391           | -0.135    | 0.019333  | 0.155     | 0.14778   |
| 50       | 20.009           | 20.307           | 20.557           | 0.17883          | 20.241            | 20.584            | 20.961            | 0.1975            | 0.185     | 0.27667   | 0.404     | 0.071051  |
| 100      | 20.009           | 20.307           | 20.557           | 0.17883          | 20.779            | 21.111            | 21.548            | 0.2306            | 0.692     | 0.80392   | 0.991     | 0.10337   |



Device Test: 18.8 ; RESET\_RPMOS\_LOW\_V

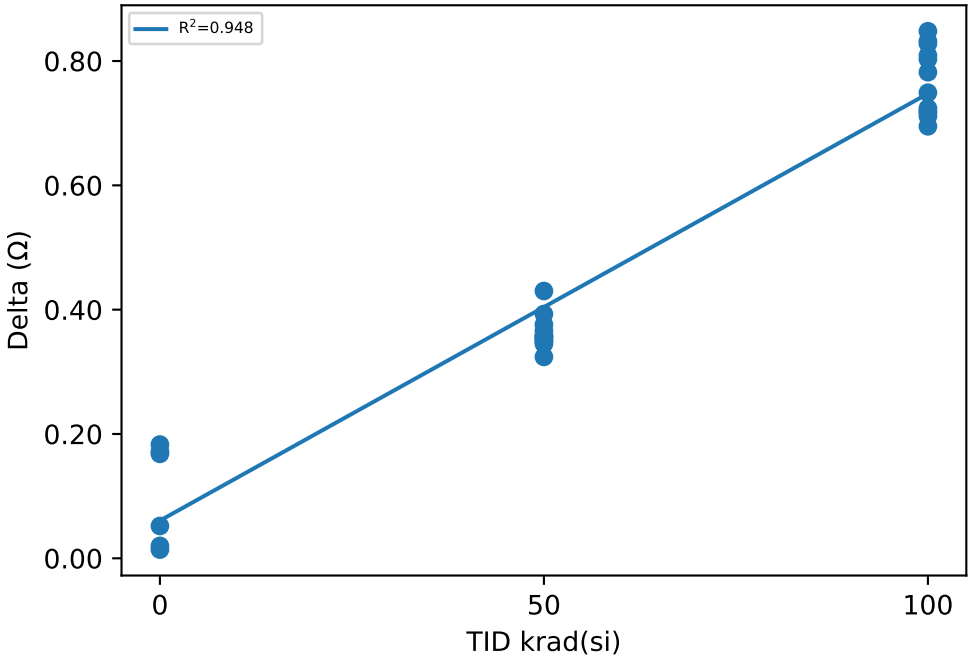
TID vs Result Stats



Test Results (Upper Limit = 40.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|----------|----------|---------------------|------------|-------------|-------|
| 200      | 0        | Correlation         | 19.112     | 19.126      | 0.014 |
| 201      | 0        | Correlation         | 18.795     | 18.847      | 0.052 |
| 202      | 0        | Correlation         | 19.302     | 19.322      | 0.02  |
| 203      | 50       | Biased              | 19.078     | 19.433      | 0.355 |
| 204      | 50       | Biased              | 18.889     | 19.244      | 0.355 |
| 205      | 50       | Biased              | 19.125     | 19.491      | 0.366 |
| 206      | 50       | Biased              | 19.288     | 19.638      | 0.35  |
| 207      | 50       | Biased              | 19.031     | 19.407      | 0.376 |
| 208      | 50       | Biased              | 18.851     | 19.244      | 0.393 |
| 209      | 50       | Unbiased            | 19.188     | 19.546      | 0.358 |
| 210      | 50       | Unbiased            | 19.038     | 19.387      | 0.349 |
| 211      | 50       | Unbiased            | 19.405     | 19.835      | 0.43  |
| 212      | 50       | Unbiased            | 18.817     | 19.162      | 0.345 |
| 213      | 50       | Unbiased            | 19.249     | 19.607      | 0.358 |
| 214      | 50       | Unbiased            | 19.146     | 19.47       | 0.324 |
| 1200     | 0        | Correlation         | 19.112     | 19.28       | 0.168 |
| 1201     | 0        | Correlation         | 18.795     | 18.967      | 0.172 |
| 1202     | 0        | Correlation         | 19.302     | 19.485      | 0.183 |
| 1203     | 100      | Biased              | 19.078     | 19.797      | 0.719 |
| 1204     | 100      | Biased              | 18.889     | 19.584      | 0.695 |
| 1205     | 100      | Biased              | 19.125     | 19.836      | 0.711 |
| 1206     | 100      | Biased              | 19.288     | 20.005      | 0.717 |
| 1207     | 100      | Biased              | 19.031     | 19.78       | 0.749 |
| 1208     | 100      | Biased              | 18.851     | 19.575      | 0.724 |
| 1209     | 100      | Unbiased            | 19.188     | 20.02       | 0.832 |
| 1210     | 100      | Unbiased            | 19.038     | 19.847      | 0.809 |
| 1211     | 100      | Unbiased            | 19.405     | 20.253      | 0.848 |
| 1212     | 100      | Unbiased            | 18.817     | 19.599      | 0.782 |
| 1213     | 100      | Unbiased            | 19.249     | 20.077      | 0.828 |
| 1214     | 100      | Unbiased            | 19.146     | 19.949      | 0.803 |

TID vs Post - Pre Exposure Delta

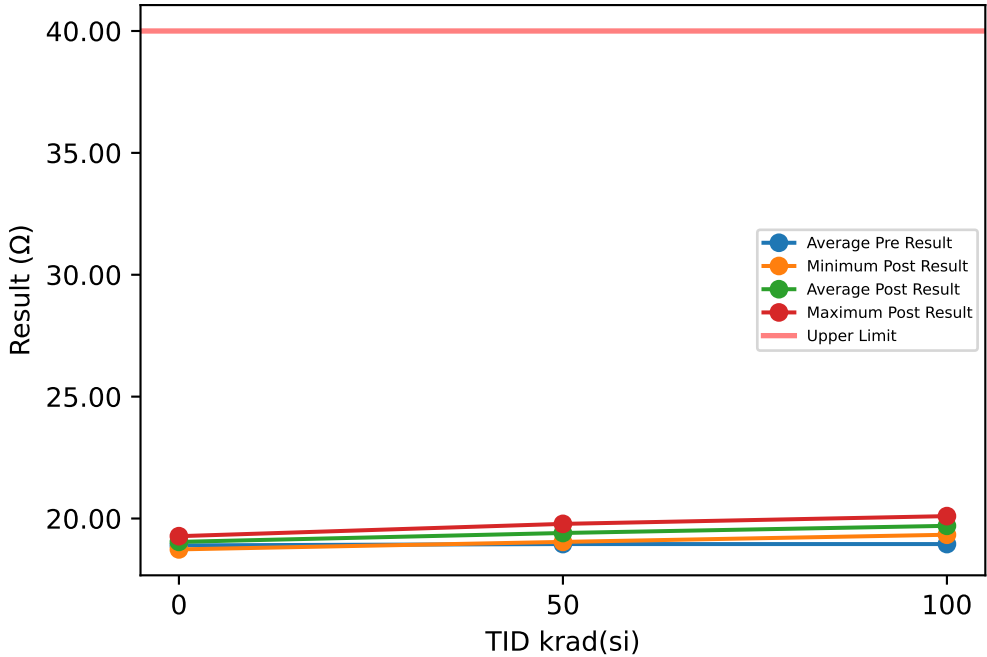


Test Statistics (Ω)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 18.795           | 19.07            | 19.302           | 0.2291           | 18.847            | 19.171            | 19.485            | 0.23744           | 0.014     | 0.1015    | 0.183     | 0.080973  |
| 50       | 18.817           | 19.092           | 19.405           | 0.1799           | 19.162            | 19.455            | 19.835            | 0.18904           | 0.324     | 0.36325   | 0.43      | 0.026891  |
| 100      | 18.817           | 19.092           | 19.405           | 0.1799           | 19.575            | 19.86             | 20.253            | 0.21164           | 0.695     | 0.76808   | 0.848     | 0.054834  |

Device Test: 18.9 ; RESET\_RPMOS\_LOW\_V

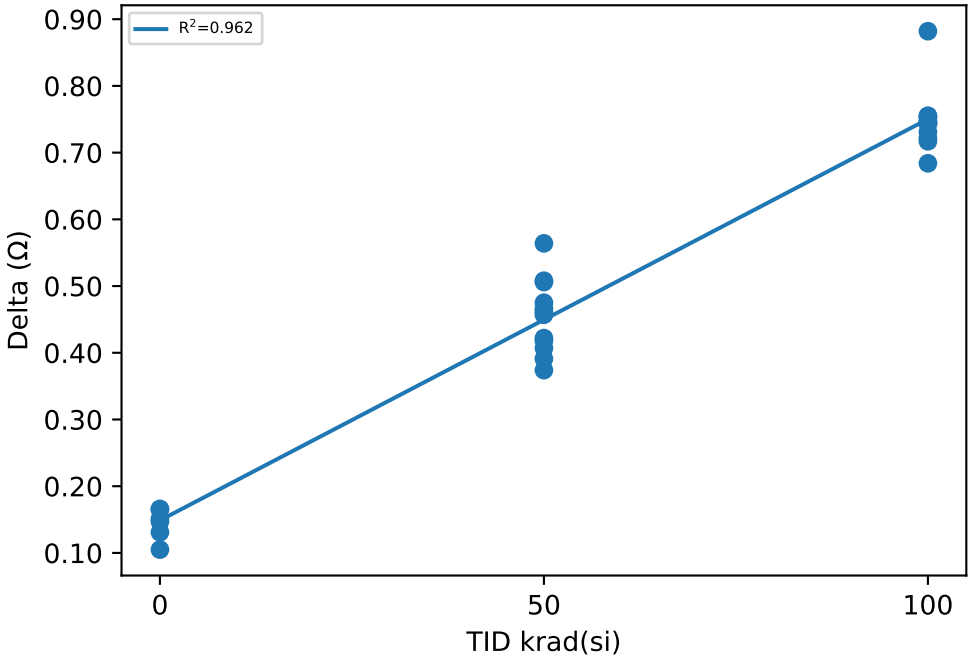
TID vs Result Stats



Test Results (Upper Limit = 40.0 (Ω))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|----------|----------|---------------------|------------|-------------|-------|
| 200      | 0        | Correlation         | 18.98      | 19.085      | 0.105 |
| 201      | 0        | Correlation         | 18.602     | 18.733      | 0.131 |
| 202      | 0        | Correlation         | 19.11      | 19.257      | 0.147 |
| 203      | 50       | Biased              | 18.931     | 19.397      | 0.466 |
| 204      | 50       | Biased              | 18.775     | 19.236      | 0.461 |
| 205      | 50       | Biased              | 19.041     | 19.547      | 0.506 |
| 206      | 50       | Biased              | 19.162     | 19.67       | 0.508 |
| 207      | 50       | Biased              | 18.941     | 19.398      | 0.457 |
| 208      | 50       | Biased              | 18.732     | 19.207      | 0.475 |
| 209      | 50       | Unbiased            | 19.019     | 19.426      | 0.407 |
| 210      | 50       | Unbiased            | 18.867     | 19.289      | 0.422 |
| 211      | 50       | Unbiased            | 19.216     | 19.78       | 0.564 |
| 212      | 50       | Unbiased            | 18.65      | 19.041      | 0.391 |
| 213      | 50       | Unbiased            | 19.06      | 19.478      | 0.418 |
| 214      | 50       | Unbiased            | 19.029     | 19.403      | 0.374 |
| 1200     | 0        | Correlation         | 18.98      | 19.131      | 0.151 |
| 1201     | 0        | Correlation         | 18.602     | 18.768      | 0.166 |
| 1202     | 0        | Correlation         | 19.11      | 19.275      | 0.165 |
| 1203     | 100      | Biased              | 18.931     | 19.674      | 0.743 |
| 1204     | 100      | Biased              | 18.775     | 19.497      | 0.722 |
| 1205     | 100      | Biased              | 19.041     | 19.796      | 0.755 |
| 1206     | 100      | Biased              | 19.162     | 19.908      | 0.746 |
| 1207     | 100      | Biased              | 18.941     | 19.686      | 0.745 |
| 1208     | 100      | Biased              | 18.732     | 19.483      | 0.751 |
| 1209     | 100      | Unbiased            | 19.019     | 19.763      | 0.744 |
| 1210     | 100      | Unbiased            | 18.867     | 19.598      | 0.731 |
| 1211     | 100      | Unbiased            | 19.216     | 20.098      | 0.882 |
| 1212     | 100      | Unbiased            | 18.65      | 19.334      | 0.684 |
| 1213     | 100      | Unbiased            | 19.06      | 19.815      | 0.755 |
| 1214     | 100      | Unbiased            | 19.029     | 19.746      | 0.717 |

TID vs Post - Pre Exposure Delta

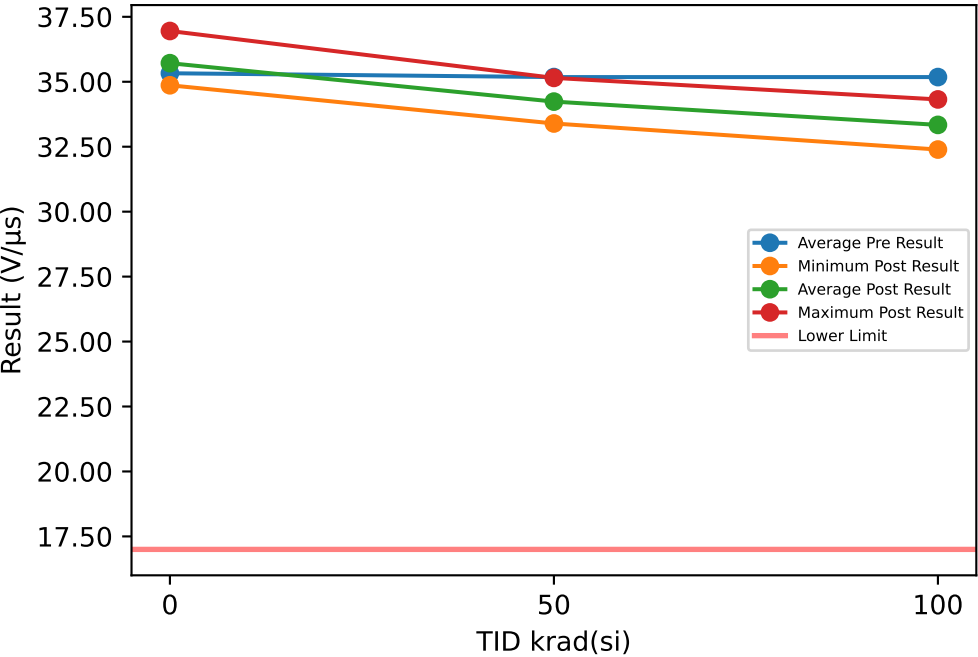


Test Statistics (Ω)

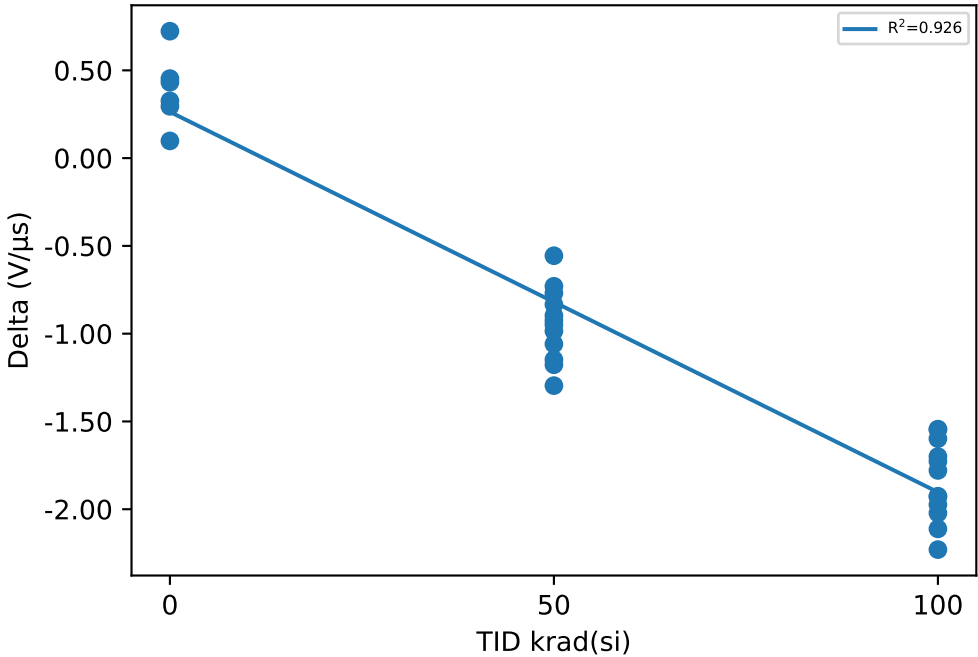
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 18.602           | 18.897           | 19.11            | 0.23604          | 18.733            | 19.041            | 19.275            | 0.237             | 0.105     | 0.14417   | 0.166     | 0.023121  |
| 50       | 18.65            | 18.952           | 19.216           | 0.17123          | 19.041            | 19.406            | 19.78             | 0.2024            | 0.374     | 0.45408   | 0.564     | 0.054988  |
| 100      | 18.65            | 18.952           | 19.216           | 0.17123          | 19.334            | 19.7              | 20.098            | 0.20532           | 0.684     | 0.74792   | 0.882     | 0.046845  |

Device Test: 19.0 ; RESET\_SLEW\_RATE\_RISE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 17.0 (V/μs))

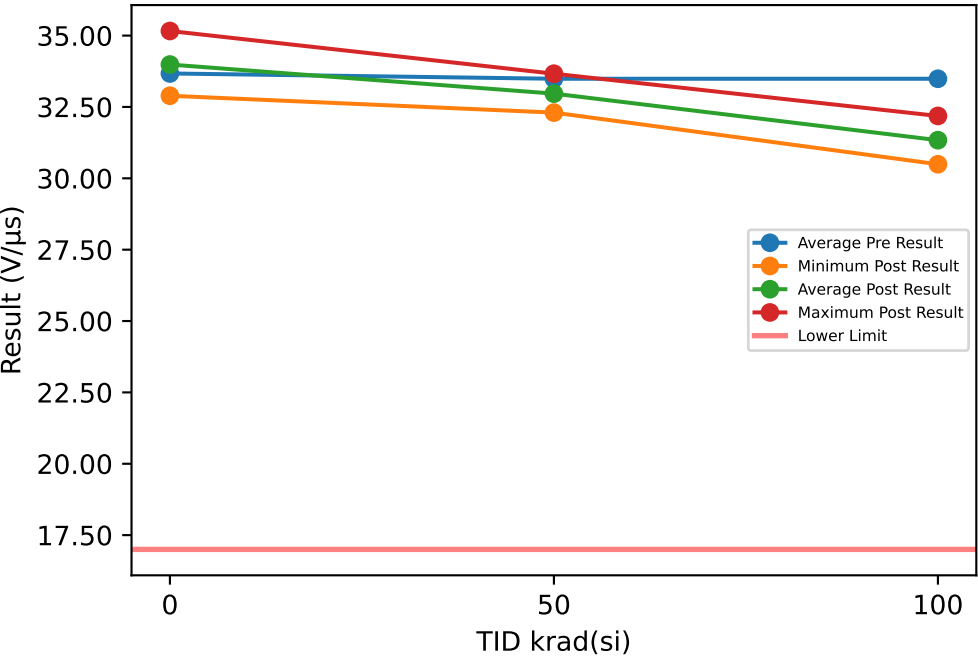
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 35.181     | 35.613      | 0.432  |
| 201      | 0        | Correlation         | 36.231     | 36.557      | 0.326  |
| 202      | 0        | Correlation         | 34.57      | 34.865      | 0.295  |
| 203      | 50       | Biased              | 35.136     | 33.988      | -1.148 |
| 204      | 50       | Biased              | 35.618     | 34.721      | -0.897 |
| 205      | 50       | Biased              | 34.947     | 33.962      | -0.985 |
| 206      | 50       | Biased              | 35.099     | 33.803      | -1.296 |
| 207      | 50       | Biased              | 35.025     | 33.966      | -1.059 |
| 208      | 50       | Biased              | 35.947     | 34.77       | -1.177 |
| 209      | 50       | Unbiased            | 34.782     | 34.226      | -0.556 |
| 210      | 50       | Unbiased            | 35.425     | 34.591      | -0.834 |
| 211      | 50       | Unbiased            | 34.32      | 33.394      | -0.926 |
| 212      | 50       | Unbiased            | 35.918     | 35.149      | -0.769 |
| 213      | 50       | Unbiased            | 34.851     | 33.901      | -0.95  |
| 214      | 50       | Unbiased            | 35.096     | 34.366      | -0.73  |
| 1200     | 0        | Correlation         | 35.181     | 35.279      | 0.098  |
| 1201     | 0        | Correlation         | 36.231     | 36.954      | 0.723  |
| 1202     | 0        | Correlation         | 34.57      | 35.023      | 0.453  |
| 1203     | 100      | Biased              | 35.136     | 33.409      | -1.727 |
| 1204     | 100      | Biased              | 35.618     | 34.072      | -1.546 |
| 1205     | 100      | Biased              | 34.947     | 32.925      | -2.022 |
| 1206     | 100      | Biased              | 35.099     | 33.125      | -1.974 |
| 1207     | 100      | Biased              | 35.025     | 32.795      | -2.23  |
| 1208     | 100      | Biased              | 35.947     | 33.835      | -2.112 |
| 1209     | 100      | Unbiased            | 34.782     | 32.856      | -1.926 |
| 1210     | 100      | Unbiased            | 35.425     | 33.881      | -1.544 |
| 1211     | 100      | Unbiased            | 34.32      | 32.391      | -1.929 |
| 1212     | 100      | Unbiased            | 35.918     | 34.32       | -1.598 |
| 1213     | 100      | Unbiased            | 34.851     | 33.072      | -1.779 |
| 1214     | 100      | Unbiased            | 35.096     | 33.396      | -1.7   |

Test Statistics (V/μs)

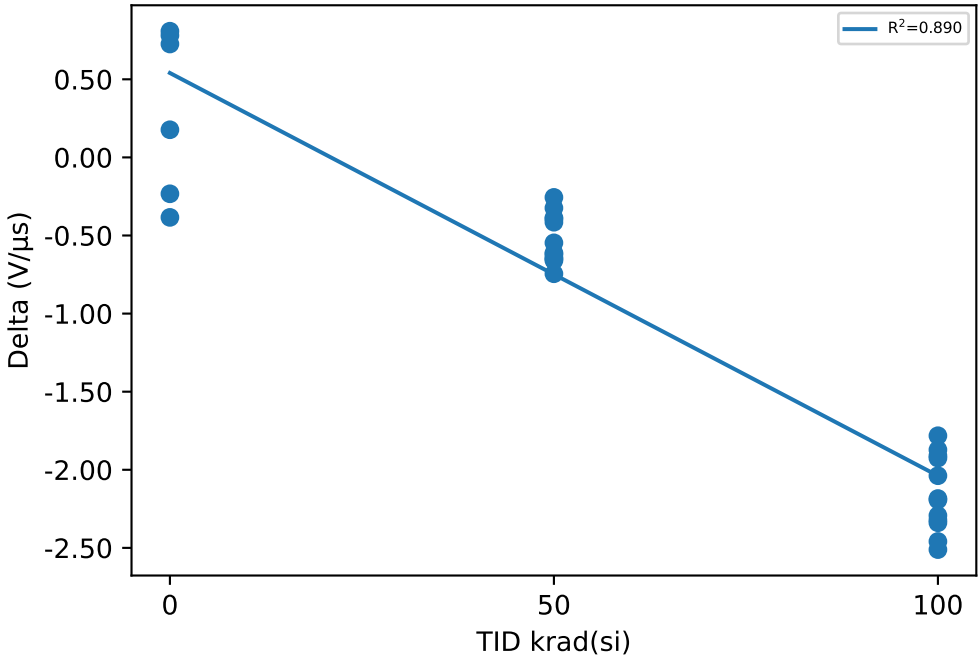
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 34.57            | 35.327           | 36.231           | 0.75142          | 34.865            | 35.715            | 36.954            | 0.85393           | 0.098     | 0.38783   | 0.723     | 0.20735   |
| 50       | 34.32            | 35.18            | 35.947           | 0.47529          | 33.394            | 34.236            | 35.149            | 0.49682           | -1.296    | -0.94392  | -0.556    | 0.2081    |
| 100      | 34.32            | 35.18            | 35.947           | 0.47529          | 32.391            | 33.34             | 34.32             | 0.58496           | -2.23     | -1.8406   | -1.544    | 0.22587   |

Device Test: 19.1 ; RESET\_SLEW\_RATE\_RISE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 17.0 (V/μs))

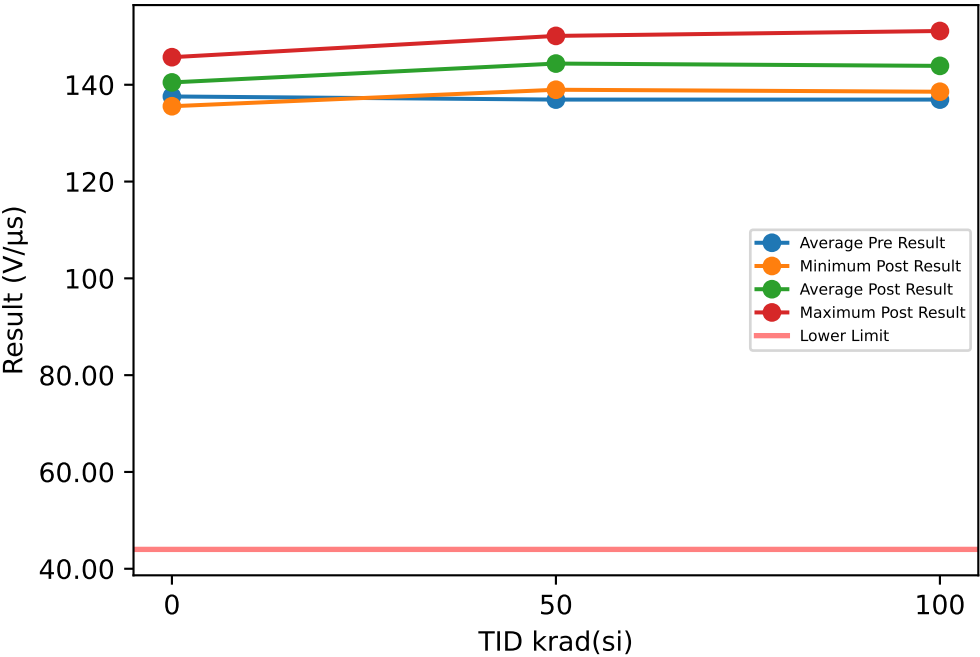
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 33.459     | 34.24       | 0.781  |
| 201      | 0        | Correlation         | 34.435     | 35.161      | 0.726  |
| 202      | 0        | Correlation         | 33.126     | 33.934      | 0.808  |
| 203      | 50       | Biased              | 33.44      | 32.78       | -0.66  |
| 204      | 50       | Biased              | 34.258     | 33.646      | -0.612 |
| 205      | 50       | Biased              | 33.05      | 32.635      | -0.415 |
| 206      | 50       | Biased              | 33.19      | 32.548      | -0.642 |
| 207      | 50       | Biased              | 33.281     | 32.661      | -0.62  |
| 208      | 50       | Biased              | 34.11      | 33.365      | -0.745 |
| 209      | 50       | Unbiased            | 33.089     | 32.833      | -0.256 |
| 210      | 50       | Unbiased            | 33.612     | 33.288      | -0.324 |
| 211      | 50       | Unbiased            | 32.952     | 32.302      | -0.65  |
| 212      | 50       | Unbiased            | 34.212     | 33.665      | -0.547 |
| 213      | 50       | Unbiased            | 33.126     | 32.732      | -0.394 |
| 214      | 50       | Unbiased            | 33.535     | 33.148      | -0.387 |
| 1200     | 0        | Correlation         | 33.459     | 33.636      | 0.177  |
| 1201     | 0        | Correlation         | 34.435     | 34.051      | -0.384 |
| 1202     | 0        | Correlation         | 33.126     | 32.893      | -0.233 |
| 1203     | 100      | Biased              | 33.44      | 31.568      | -1.872 |
| 1204     | 100      | Biased              | 34.258     | 32.065      | -2.193 |
| 1205     | 100      | Biased              | 33.05      | 31.012      | -2.038 |
| 1206     | 100      | Biased              | 33.19      | 31.408      | -1.782 |
| 1207     | 100      | Biased              | 33.281     | 31.371      | -1.91  |
| 1208     | 100      | Biased              | 34.11      | 32.185      | -1.925 |
| 1209     | 100      | Unbiased            | 33.089     | 30.767      | -2.322 |
| 1210     | 100      | Unbiased            | 33.612     | 31.319      | -2.293 |
| 1211     | 100      | Unbiased            | 32.952     | 30.493      | -2.459 |
| 1212     | 100      | Unbiased            | 34.212     | 31.873      | -2.339 |
| 1213     | 100      | Unbiased            | 33.126     | 30.942      | -2.184 |
| 1214     | 100      | Unbiased            | 33.535     | 31.024      | -2.511 |

Test Statistics (V/μs)

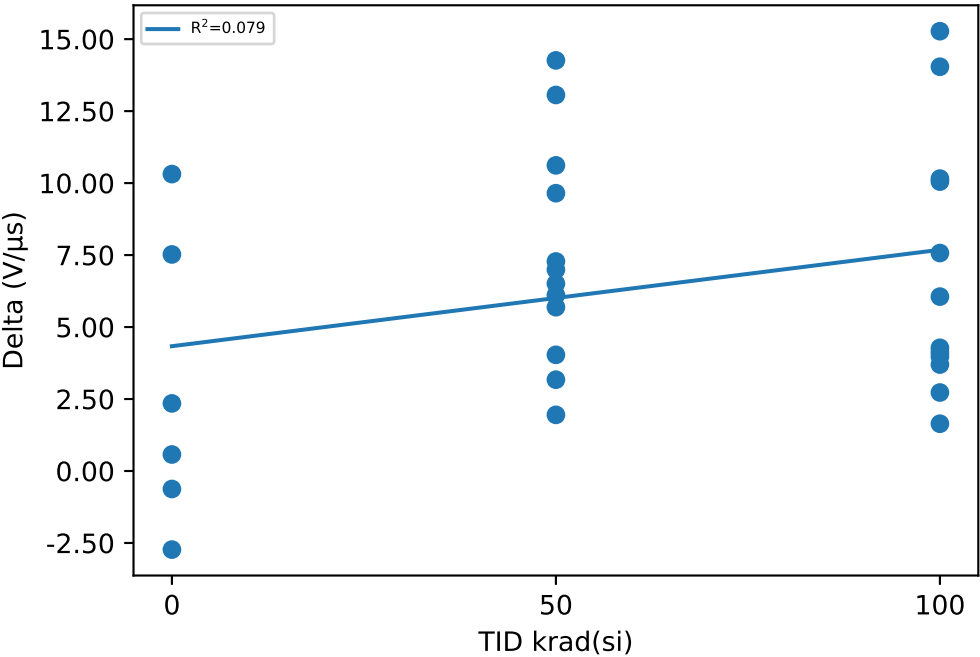
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 33.126           | 33.673           | 34.435           | 0.60849          | 32.893            | 33.986            | 35.161            | 0.74421           | -0.384    | 0.3125    | 0.808     | 0.5361    |
| 50       | 32.952           | 33.488           | 34.258           | 0.46951          | 32.302            | 32.967            | 33.665            | 0.44438           | -0.745    | -0.521    | -0.256    | 0.1578    |
| 100      | 32.952           | 33.488           | 34.258           | 0.46951          | 30.493            | 31.336            | 32.185            | 0.52163           | -2.511    | -2.1523   | -1.782    | 0.24271   |

Device Test: 19.10 ; PWRGD\_SLEW\_RATE\_FALL

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 44.0 (V/μs))

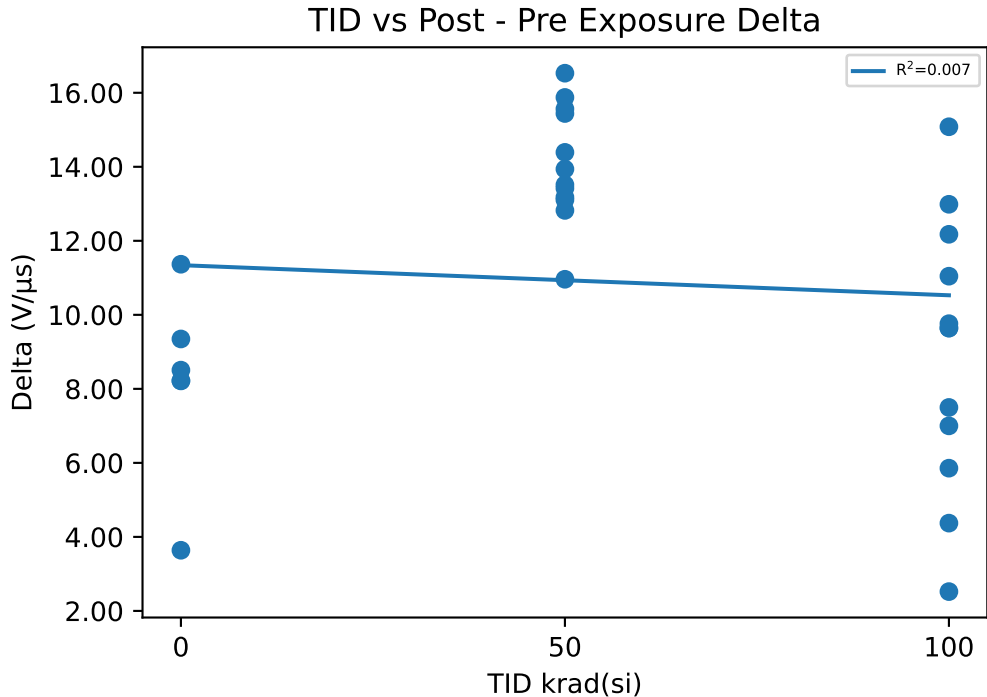
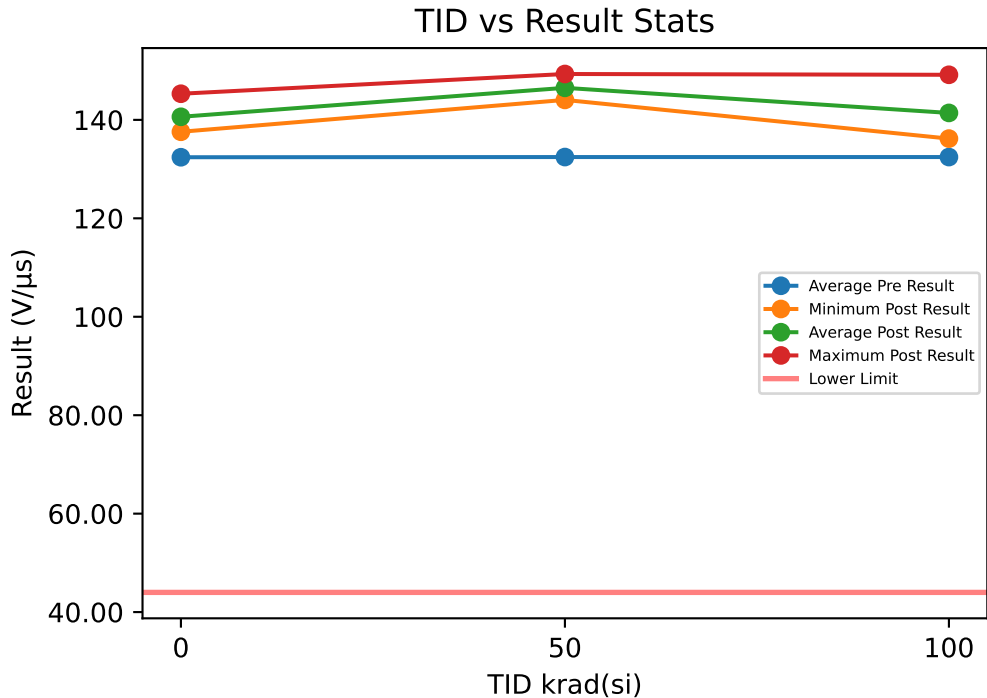
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 134.99     | 145.3       | 10.313 |
| 201      | 0        | Correlation         | 138.17     | 140.52      | 2.348  |
| 202      | 0        | Correlation         | 139.59     | 138.96      | -0.625 |
| 203      | 50       | Biased              | 140.05     | 142         | 1.95   |
| 204      | 50       | Biased              | 141.17     | 144.34      | 3.172  |
| 205      | 50       | Biased              | 138.1      | 143.79      | 5.69   |
| 206      | 50       | Biased              | 134.6      | 147.66      | 13.061 |
| 207      | 50       | Biased              | 134.93     | 138.97      | 4.035  |
| 208      | 50       | Biased              | 131.81     | 141.46      | 9.649  |
| 209      | 50       | Unbiased            | 135.83     | 150.09      | 14.262 |
| 210      | 50       | Unbiased            | 137.49     | 144.77      | 7.278  |
| 211      | 50       | Unbiased            | 136.92     | 143.03      | 6.109  |
| 212      | 50       | Unbiased            | 137.28     | 143.78      | 6.509  |
| 213      | 50       | Unbiased            | 135.45     | 146.07      | 10.616 |
| 214      | 50       | Unbiased            | 139.58     | 146.58      | 6.994  |
| 1200     | 0        | Correlation         | 134.99     | 135.56      | 0.573  |
| 1201     | 0        | Correlation         | 138.17     | 145.69      | 7.522  |
| 1202     | 0        | Correlation         | 139.59     | 136.85      | -2.73  |
| 1203     | 100      | Biased              | 140.05     | 144.18      | 4.122  |
| 1204     | 100      | Biased              | 141.17     | 145.15      | 3.975  |
| 1205     | 100      | Biased              | 138.1      | 148.15      | 10.052 |
| 1206     | 100      | Biased              | 134.6      | 140.66      | 6.057  |
| 1207     | 100      | Biased              | 134.93     | 145.09      | 10.156 |
| 1208     | 100      | Biased              | 131.81     | 145.85      | 14.041 |
| 1209     | 100      | Unbiased            | 135.83     | 151.11      | 15.276 |
| 1210     | 100      | Unbiased            | 137.49     | 140.22      | 2.726  |
| 1211     | 100      | Unbiased            | 136.92     | 138.56      | 1.642  |
| 1212     | 100      | Unbiased            | 137.28     | 140.97      | 3.697  |
| 1213     | 100      | Unbiased            | 135.45     | 143.02      | 7.571  |
| 1214     | 100      | Unbiased            | 139.58     | 143.86      | 4.279  |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 134.99           | 137.58           | 139.59           | 2.1052           | 135.56            | 140.48            | 145.69            | 4.2447            | -2.73     | 2.9002    | 10.313    | 5.0231    |
| 50       | 131.81           | 136.94           | 141.17           | 2.6222           | 138.97            | 144.38            | 150.09            | 2.9733            | 1.95      | 7.4437    | 14.262    | 3.8016    |
| 100      | 131.81           | 136.94           | 141.17           | 2.6222           | 138.56            | 143.9             | 151.11            | 3.5522            | 1.642     | 6.9662    | 15.276    | 4.485     |



Device Test: 19.11 ; WDO\_SLEW\_RATE\_FALL



Test Results (Lower Limit = 44.0 (V/μs))

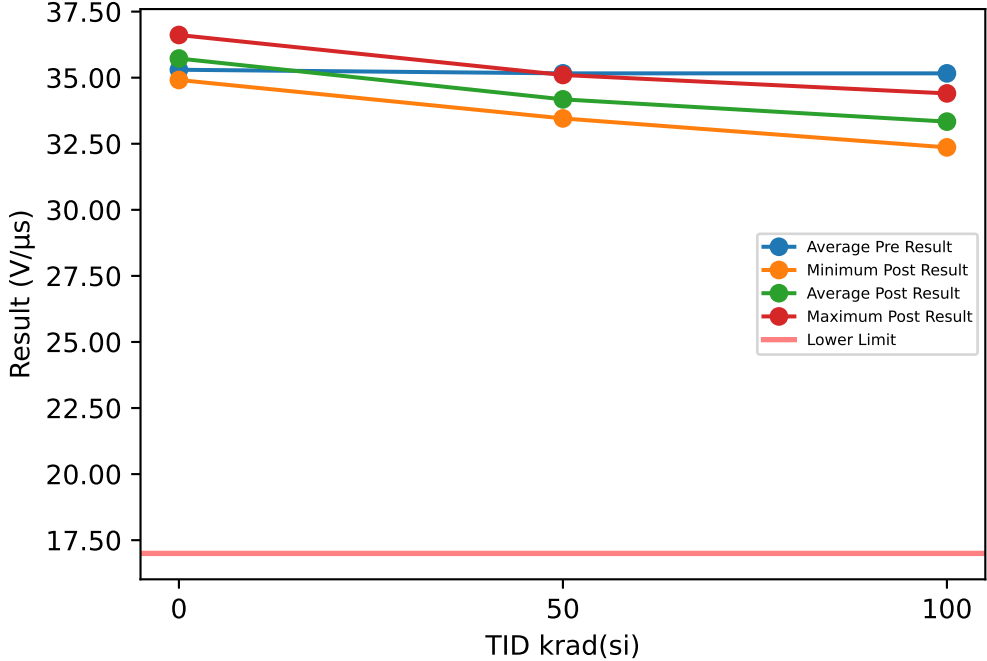
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 131.25     | 139.47      | 8.222  |
| 201      | 0        | Correlation         | 133.94     | 145.31      | 11.367 |
| 202      | 0        | Correlation         | 132.04     | 141.38      | 9.348  |
| 203      | 50       | Biased              | 134.1      | 145.06      | 10.961 |
| 204      | 50       | Biased              | 134.36     | 147.78      | 13.42  |
| 205      | 50       | Biased              | 130.85     | 145.24      | 14.39  |
| 206      | 50       | Biased              | 134.51     | 147.34      | 12.822 |
| 207      | 50       | Biased              | 131.73     | 147.3       | 15.564 |
| 208      | 50       | Biased              | 129.2      | 144.64      | 15.44  |
| 209      | 50       | Unbiased            | 130.95     | 144.06      | 13.106 |
| 210      | 50       | Unbiased            | 134.44     | 148.37      | 13.938 |
| 211      | 50       | Unbiased            | 128.53     | 145.06      | 16.529 |
| 212      | 50       | Unbiased            | 134.08     | 147.26      | 13.178 |
| 213      | 50       | Unbiased            | 133.18     | 146.69      | 13.514 |
| 214      | 50       | Unbiased            | 133.45     | 149.32      | 15.874 |
| 1200     | 0        | Correlation         | 131.25     | 139.75      | 8.506  |
| 1201     | 0        | Correlation         | 133.94     | 137.58      | 3.639  |
| 1202     | 0        | Correlation         | 132.04     | 140.25      | 8.215  |
| 1203     | 100      | Biased              | 134.1      | 136.62      | 2.522  |
| 1204     | 100      | Biased              | 134.36     | 138.73      | 4.372  |
| 1205     | 100      | Biased              | 130.85     | 138.35      | 7.498  |
| 1206     | 100      | Biased              | 134.51     | 140.37      | 5.857  |
| 1207     | 100      | Biased              | 131.73     | 141.37      | 9.641  |
| 1208     | 100      | Biased              | 129.2      | 136.2       | 7      |
| 1209     | 100      | Unbiased            | 130.95     | 141.99      | 11.044 |
| 1210     | 100      | Unbiased            | 134.44     | 147.42      | 12.987 |
| 1211     | 100      | Unbiased            | 128.53     | 140.71      | 12.176 |
| 1212     | 100      | Unbiased            | 134.08     | 149.16      | 15.082 |
| 1213     | 100      | Unbiased            | 133.18     | 142.94      | 9.761  |
| 1214     | 100      | Unbiased            | 133.45     | 143.09      | 9.645  |

Test Statistics (V/μs)

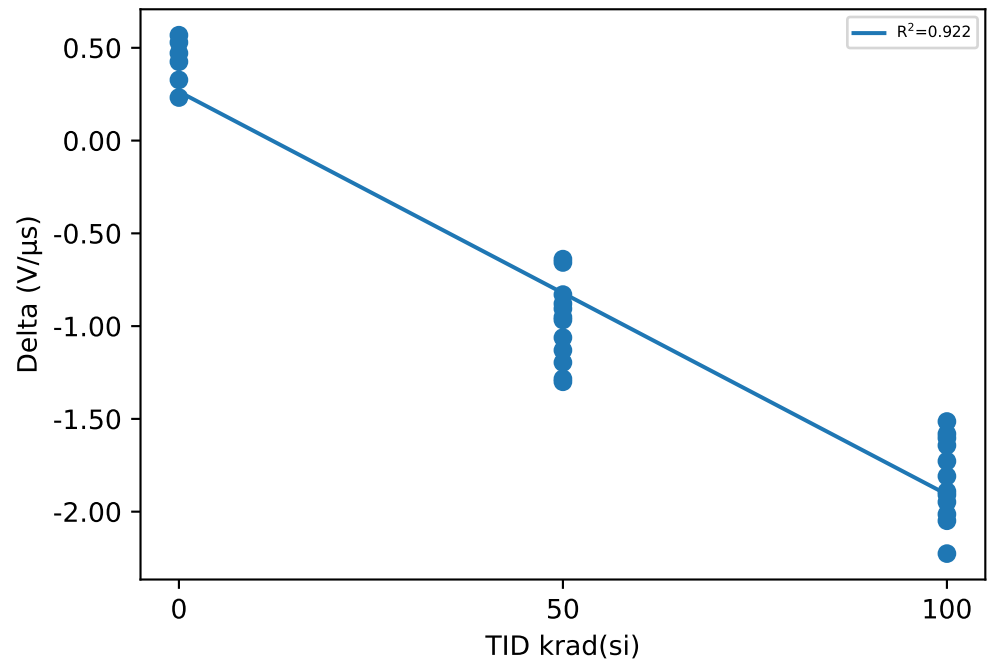
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 131.25           | 132.41           | 133.94           | 1.2398           | 137.58            | 140.62            | 145.31            | 2.6085            | 3.639     | 8.2162    | 11.367    | 2.5394    |
| 50       | 128.53           | 132.45           | 134.51           | 2.1316           | 144.06            | 146.51            | 149.32            | 1.6574            | 10.961    | 14.061    | 16.529    | 1.5727    |
| 100      | 128.53           | 132.45           | 134.51           | 2.1316           | 136.2             | 141.41            | 149.16            | 3.9309            | 2.522     | 8.9654    | 15.082    | 3.6688    |

Device Test: 19.12 ; RESET\_SLEW\_RATE\_RISE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 17.0 (V/μs))

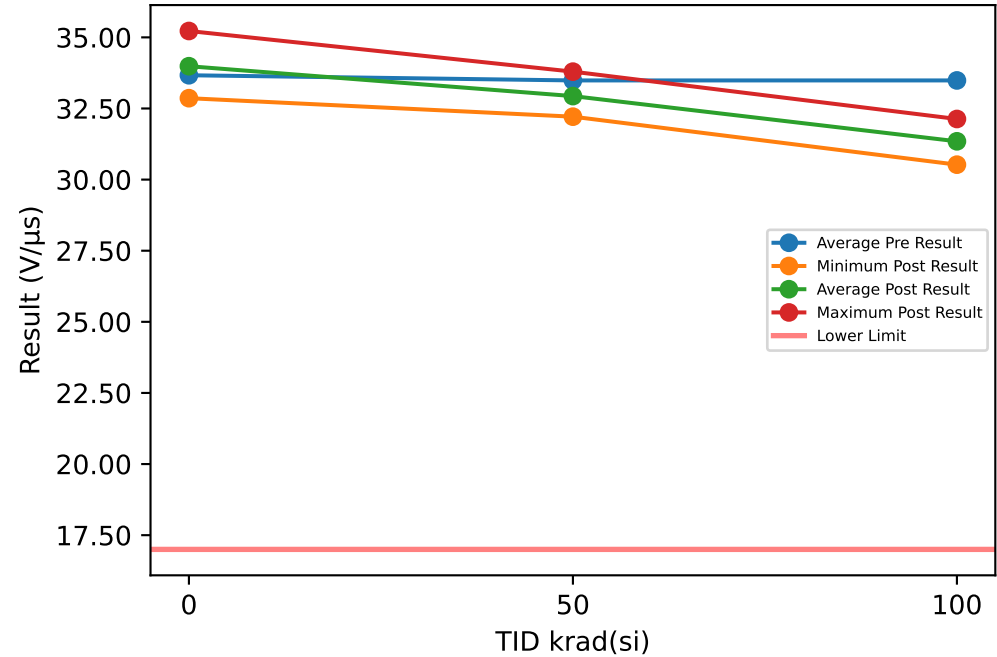
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 35.075     | 35.643      | 0.568  |
| 201      | 0        | Correlation         | 36.144     | 36.471      | 0.327  |
| 202      | 0        | Correlation         | 34.681     | 34.913      | 0.232  |
| 203      | 50       | Biased              | 35.186     | 33.886      | -1.3   |
| 204      | 50       | Biased              | 35.795     | 34.733      | -1.062 |
| 205      | 50       | Biased              | 35.117     | 33.921      | -1.196 |
| 206      | 50       | Biased              | 34.737     | 33.77       | -0.967 |
| 207      | 50       | Biased              | 35.053     | 33.769      | -1.284 |
| 208      | 50       | Biased              | 35.654     | 34.702      | -0.952 |
| 209      | 50       | Unbiased            | 34.887     | 34.008      | -0.879 |
| 210      | 50       | Unbiased            | 35.167     | 34.51       | -0.657 |
| 211      | 50       | Unbiased            | 34.589     | 33.459      | -1.13  |
| 212      | 50       | Unbiased            | 36.008     | 35.102      | -0.906 |
| 213      | 50       | Unbiased            | 34.739     | 33.909      | -0.83  |
| 214      | 50       | Unbiased            | 35.03      | 34.391      | -0.639 |
| 1200     | 0        | Correlation         | 35.075     | 35.604      | 0.529  |
| 1201     | 0        | Correlation         | 36.144     | 36.615      | 0.471  |
| 1202     | 0        | Correlation         | 34.681     | 35.106      | 0.425  |
| 1203     | 100      | Biased              | 35.186     | 33.238      | -1.948 |
| 1204     | 100      | Biased              | 35.795     | 33.986      | -1.809 |
| 1205     | 100      | Biased              | 35.117     | 33.226      | -1.891 |
| 1206     | 100      | Biased              | 34.737     | 33.009      | -1.728 |
| 1207     | 100      | Biased              | 35.053     | 33.004      | -2.049 |
| 1208     | 100      | Biased              | 35.654     | 33.745      | -1.909 |
| 1209     | 100      | Unbiased            | 34.887     | 32.873      | -2.014 |
| 1210     | 100      | Unbiased            | 35.167     | 33.524      | -1.643 |
| 1211     | 100      | Unbiased            | 34.589     | 32.363      | -2.226 |
| 1212     | 100      | Unbiased            | 36.008     | 34.405      | -1.603 |
| 1213     | 100      | Unbiased            | 34.739     | 33.158      | -1.581 |
| 1214     | 100      | Unbiased            | 35.03      | 33.516      | -1.514 |

Test Statistics (V/μs)

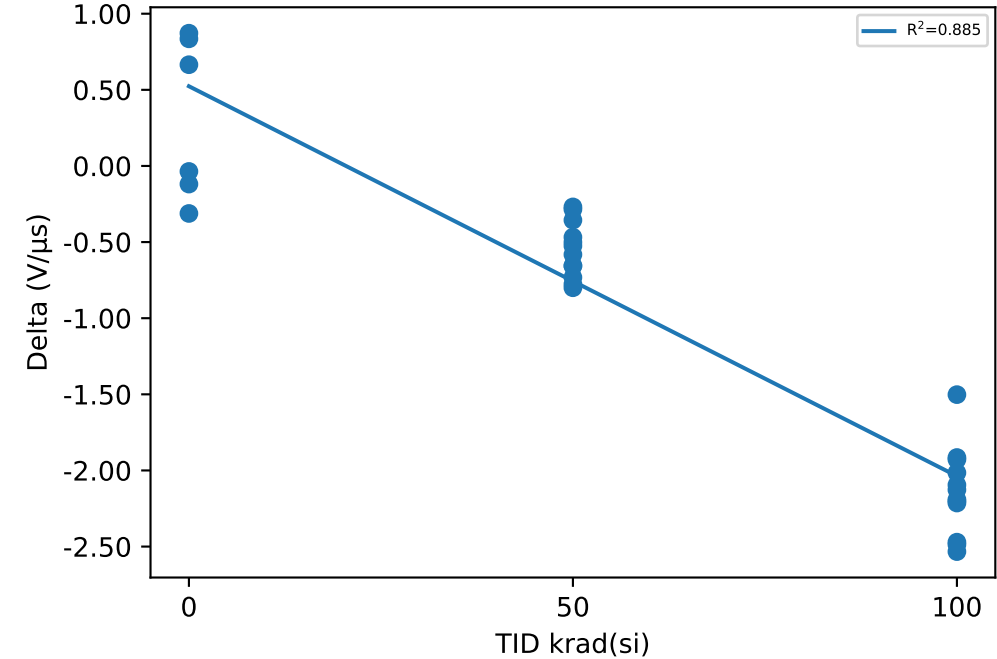
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 34.681           | 35.3             | 36.144           | 0.67709          | 34.913            | 35.725            | 36.615            | 0.69462           | 0.232     | 0.42533   | 0.568     | 0.12668   |
| 50       | 34.589           | 35.163           | 36.008           | 0.4425           | 33.459            | 34.18             | 35.102            | 0.49499           | -1.3      | -0.9835   | -0.639    | 0.21956   |
| 100      | 34.589           | 35.163           | 36.008           | 0.4425           | 32.363            | 33.337            | 34.405            | 0.54204           | -2.226    | -1.8263   | -1.514    | 0.21775   |

Device Test: 19.13 ; RESET\_SLEW\_RATE\_RISE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 17.0 (V/μs))

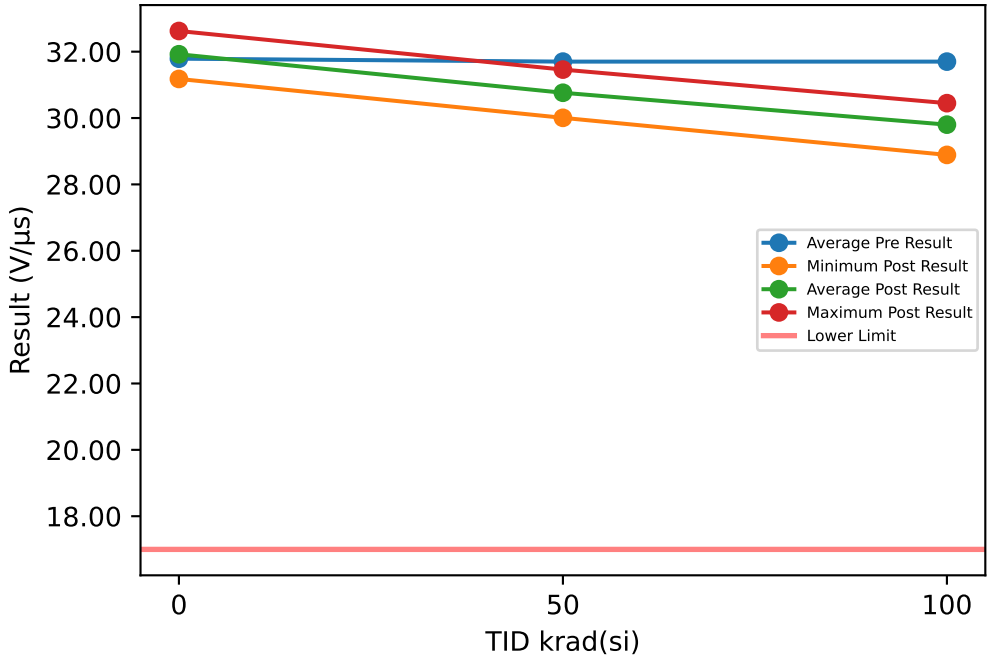
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 33.479     | 34.314      | 0.835  |
| 201      | 0        | Correlation         | 34.352     | 35.224      | 0.872  |
| 202      | 0        | Correlation         | 33.174     | 33.839      | 0.665  |
| 203      | 50       | Biased              | 33.354     | 32.772      | -0.582 |
| 204      | 50       | Biased              | 34.039     | 33.383      | -0.656 |
| 205      | 50       | Biased              | 33.069     | 32.544      | -0.525 |
| 206      | 50       | Biased              | 33.204     | 32.548      | -0.656 |
| 207      | 50       | Biased              | 33.458     | 32.681      | -0.777 |
| 208      | 50       | Biased              | 34.046     | 33.314      | -0.732 |
| 209      | 50       | Unbiased            | 33.189     | 32.92       | -0.269 |
| 210      | 50       | Unbiased            | 33.688     | 33.187      | -0.501 |
| 211      | 50       | Unbiased            | 33.012     | 32.212      | -0.8   |
| 212      | 50       | Unbiased            | 34.08      | 33.795      | -0.285 |
| 213      | 50       | Unbiased            | 33.24      | 32.772      | -0.468 |
| 214      | 50       | Unbiased            | 33.456     | 33.1        | -0.356 |
| 1200     | 0        | Correlation         | 33.479     | 33.36       | -0.119 |
| 1201     | 0        | Correlation         | 34.352     | 34.316      | -0.036 |
| 1202     | 0        | Correlation         | 33.174     | 32.862      | -0.312 |
| 1203     | 100      | Biased              | 33.354     | 31.339      | -2.015 |
| 1204     | 100      | Biased              | 34.039     | 32.111      | -1.928 |
| 1205     | 100      | Biased              | 33.069     | 31.567      | -1.502 |
| 1206     | 100      | Biased              | 33.204     | 30.99       | -2.214 |
| 1207     | 100      | Biased              | 33.458     | 31.256      | -2.202 |
| 1208     | 100      | Biased              | 34.046     | 32.131      | -1.915 |
| 1209     | 100      | Unbiased            | 33.189     | 30.656      | -2.533 |
| 1210     | 100      | Unbiased            | 33.688     | 31.561      | -2.127 |
| 1211     | 100      | Unbiased            | 33.012     | 30.525      | -2.487 |
| 1212     | 100      | Unbiased            | 34.08      | 31.609      | -2.471 |
| 1213     | 100      | Unbiased            | 33.24      | 31.049      | -2.191 |
| 1214     | 100      | Unbiased            | 33.456     | 31.361      | -2.095 |

Test Statistics (V/μs)

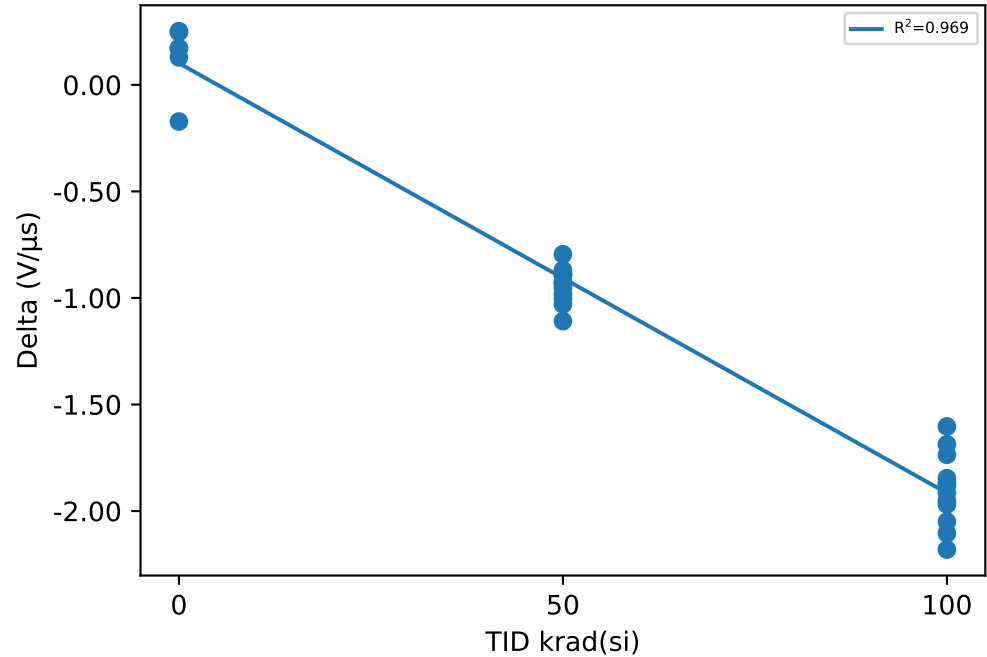
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 33.174           | 33.668           | 34.352           | 0.54685          | 32.862            | 33.986            | 35.224            | 0.82777           | -0.312    | 0.3175    | 0.872     | 0.53062   |
| 50       | 33.012           | 33.486           | 34.08            | 0.38835          | 32.212            | 32.936            | 33.795            | 0.43879           | -0.8      | -0.55058  | -0.269    | 0.18271   |
| 100      | 33.012           | 33.486           | 34.08            | 0.38835          | 30.525            | 31.346            | 32.131            | 0.49901           | -2.533    | -2.14     | -1.502    | 0.28869   |

Device Test: 19.14 ; RESET\_SLEW\_RATE\_RISE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 17.0 (V/μs))

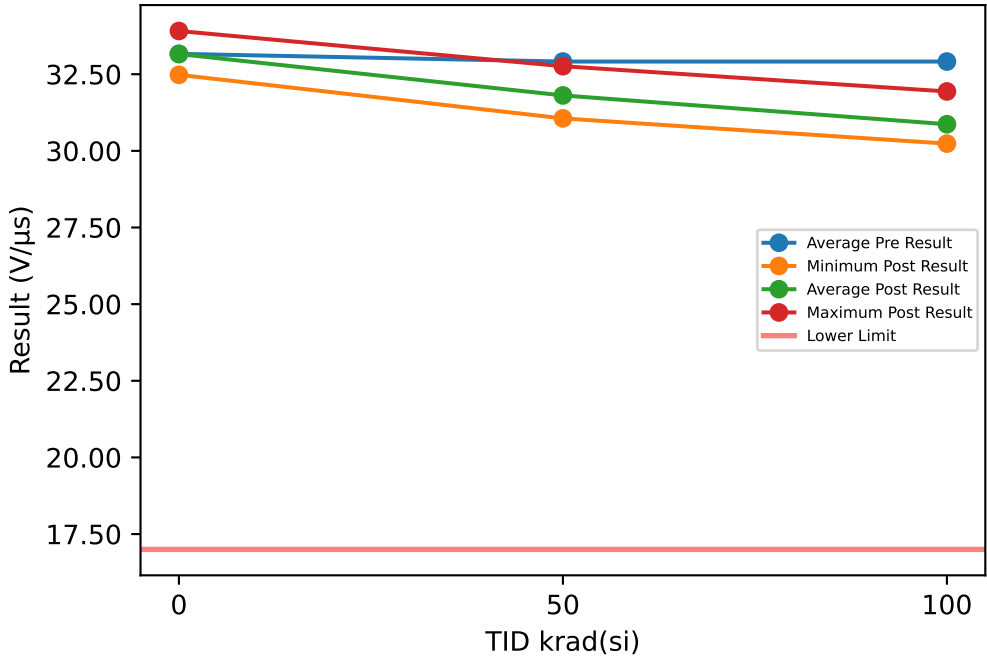
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 31.645     | 31.893      | 0.248  |
| 201      | 0        | Correlation         | 32.371     | 32.623      | 0.252  |
| 202      | 0        | Correlation         | 31.35      | 31.479      | 0.129  |
| 203      | 50       | Biased              | 31.596     | 30.715      | -0.881 |
| 204      | 50       | Biased              | 32.328     | 31.324      | -1.004 |
| 205      | 50       | Biased              | 31.462     | 30.571      | -0.891 |
| 206      | 50       | Biased              | 31.251     | 30.456      | -0.795 |
| 207      | 50       | Biased              | 31.648     | 30.539      | -1.109 |
| 208      | 50       | Biased              | 32.304     | 31.274      | -1.03  |
| 209      | 50       | Unbiased            | 31.538     | 30.614      | -0.924 |
| 210      | 50       | Unbiased            | 31.844     | 30.975      | -0.869 |
| 211      | 50       | Unbiased            | 30.939     | 30.006      | -0.933 |
| 212      | 50       | Unbiased            | 32.352     | 31.46       | -0.892 |
| 213      | 50       | Unbiased            | 31.406     | 30.424      | -0.982 |
| 214      | 50       | Unbiased            | 31.736     | 30.783      | -0.953 |
| 1200     | 0        | Correlation         | 31.645     | 31.817      | 0.172  |
| 1201     | 0        | Correlation         | 32.371     | 32.543      | 0.172  |
| 1202     | 0        | Correlation         | 31.35      | 31.178      | -0.172 |
| 1203     | 100      | Biased              | 31.596     | 29.993      | -1.603 |
| 1204     | 100      | Biased              | 32.328     | 30.448      | -1.88  |
| 1205     | 100      | Biased              | 31.462     | 29.726      | -1.736 |
| 1206     | 100      | Biased              | 31.251     | 29.564      | -1.687 |
| 1207     | 100      | Biased              | 31.648     | 29.734      | -1.914 |
| 1208     | 100      | Biased              | 32.304     | 30.351      | -1.953 |
| 1209     | 100      | Unbiased            | 31.538     | 29.692      | -1.846 |
| 1210     | 100      | Unbiased            | 31.844     | 29.739      | -2.105 |
| 1211     | 100      | Unbiased            | 30.939     | 28.889      | -2.05  |
| 1212     | 100      | Unbiased            | 32.352     | 30.383      | -1.969 |
| 1213     | 100      | Unbiased            | 31.406     | 29.536      | -1.87  |
| 1214     | 100      | Unbiased            | 31.736     | 29.555      | -2.181 |

Test Statistics (V/μs)

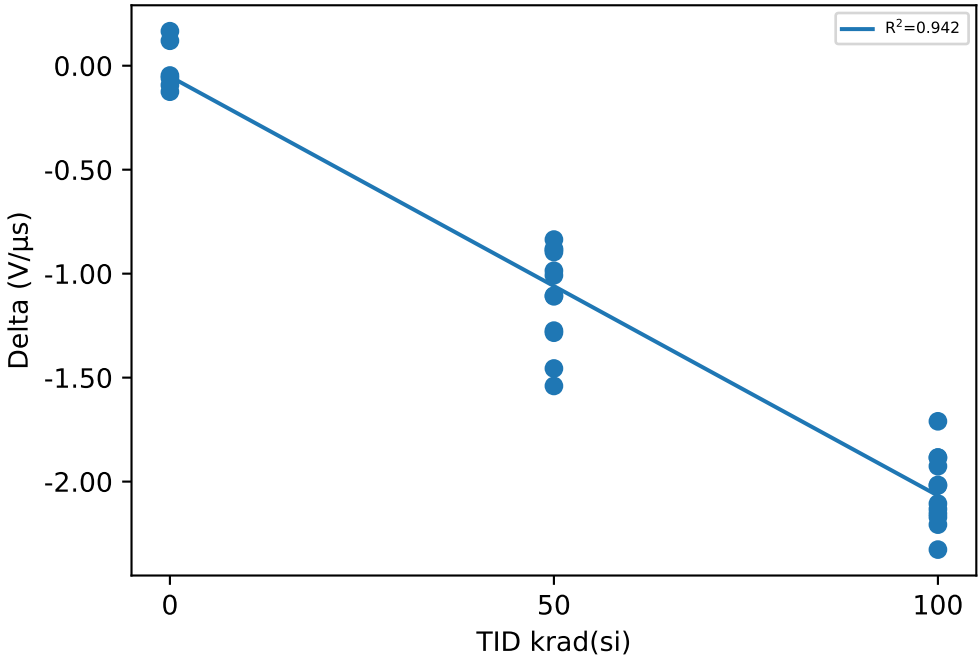
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 31.35            | 31.789           | 32.371           | 0.46997          | 31.178            | 31.922            | 32.623            | 0.57248           | -0.172    | 0.1335    | 0.252     | 0.15714   |
| 50       | 30.939           | 31.7             | 32.352           | 0.44414          | 30.006            | 30.762            | 31.46             | 0.42648           | -1.109    | -0.93858  | -0.795    | 0.083787  |
| 100      | 30.939           | 31.7             | 32.352           | 0.44414          | 28.889            | 29.801            | 30.448            | 0.4412            | -2.181    | -1.8995   | -1.603    | 0.16947   |

Device Test: 19.15 ; RESET\_SLEW\_RATE\_RISE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 17.0 (V/μs))

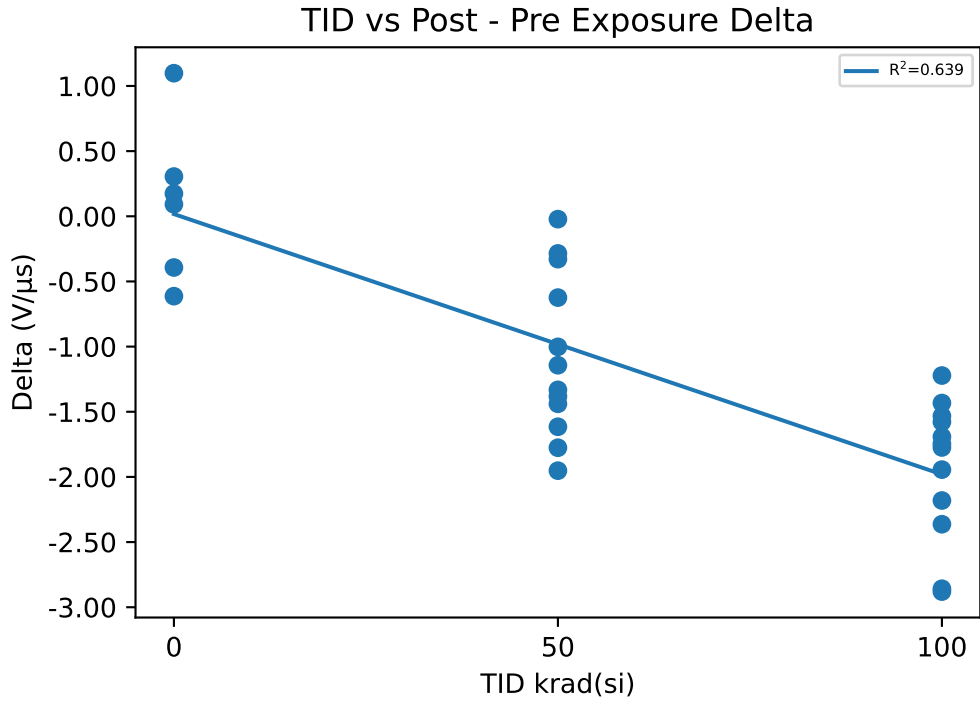
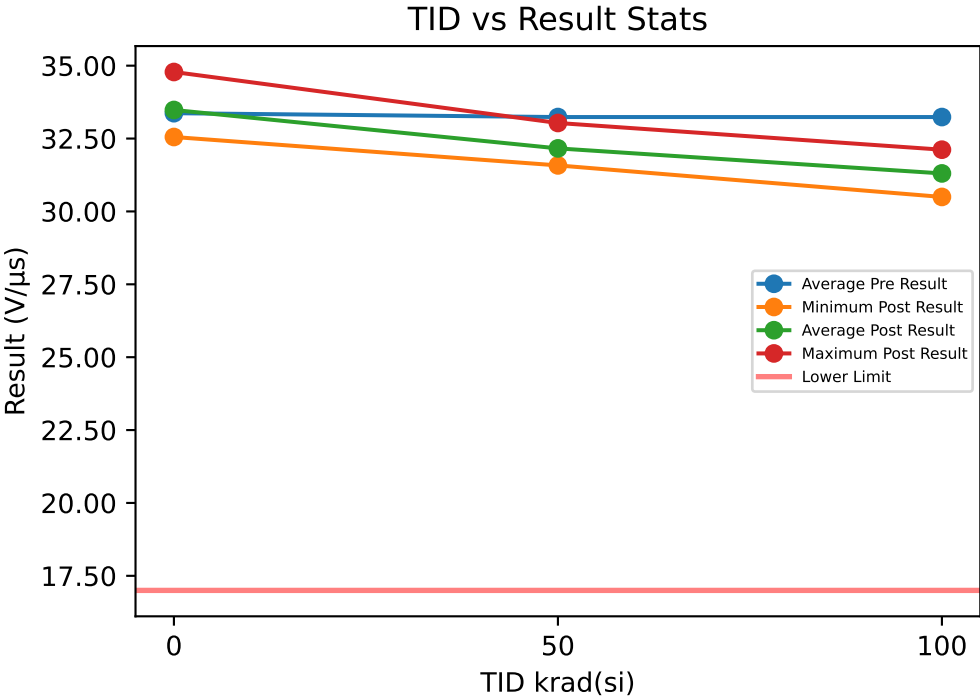
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 32.952     | 33.072      | 0.12   |
| 201      | 0        | Correlation         | 34.003     | 33.91       | -0.093 |
| 202      | 0        | Correlation         | 32.539     | 32.48       | -0.059 |
| 203      | 50       | Biased              | 32.655     | 31.759      | -0.896 |
| 204      | 50       | Biased              | 33.683     | 32.143      | -1.54  |
| 205      | 50       | Biased              | 32.505     | 31.396      | -1.109 |
| 206      | 50       | Biased              | 32.472     | 31.198      | -1.274 |
| 207      | 50       | Biased              | 32.612     | 31.506      | -1.106 |
| 208      | 50       | Biased              | 33.751     | 32.295      | -1.456 |
| 209      | 50       | Unbiased            | 32.733     | 31.897      | -0.836 |
| 210      | 50       | Unbiased            | 33.054     | 32.174      | -0.88  |
| 211      | 50       | Unbiased            | 32.343     | 31.059      | -1.284 |
| 212      | 50       | Unbiased            | 33.648     | 32.762      | -0.886 |
| 213      | 50       | Unbiased            | 32.639     | 31.653      | -0.986 |
| 214      | 50       | Unbiased            | 32.87      | 31.862      | -1.008 |
| 1200     | 0        | Correlation         | 32.952     | 33.118      | 0.166  |
| 1201     | 0        | Correlation         | 34.003     | 33.878      | -0.125 |
| 1202     | 0        | Correlation         | 32.539     | 32.492      | -0.047 |
| 1203     | 100      | Biased              | 32.655     | 30.77       | -1.885 |
| 1204     | 100      | Biased              | 33.683     | 31.476      | -2.207 |
| 1205     | 100      | Biased              | 32.505     | 30.351      | -2.154 |
| 1206     | 100      | Biased              | 32.472     | 30.546      | -1.926 |
| 1207     | 100      | Biased              | 32.612     | 30.728      | -1.884 |
| 1208     | 100      | Biased              | 33.751     | 31.424      | -2.327 |
| 1209     | 100      | Unbiased            | 32.733     | 30.714      | -2.019 |
| 1210     | 100      | Unbiased            | 33.054     | 30.883      | -2.171 |
| 1211     | 100      | Unbiased            | 32.343     | 30.237      | -2.106 |
| 1212     | 100      | Unbiased            | 33.648     | 31.938      | -1.71  |
| 1213     | 100      | Unbiased            | 32.639     | 30.507      | -2.132 |
| 1214     | 100      | Unbiased            | 32.87      | 30.854      | -2.016 |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 32.539           | 33.165           | 34.003           | 0.67513          | 32.48             | 33.158            | 33.91             | 0.63184           | -0.125    | -0.0063333 | 0.166     | 0.11973   |
| 50       | 32.343           | 32.914           | 33.751           | 0.50521          | 31.059            | 31.809            | 32.762            | 0.48848           | -1.54     | -1.1051    | -0.836    | 0.23573   |
| 100      | 32.343           | 32.914           | 33.751           | 0.50521          | 30.237            | 30.869            | 31.938            | 0.5024            | -2.327    | -2.0448    | -1.71     | 0.17169   |



Device Test: 19.16 ; PWRGD\_SLEW\_RATE\_RISE



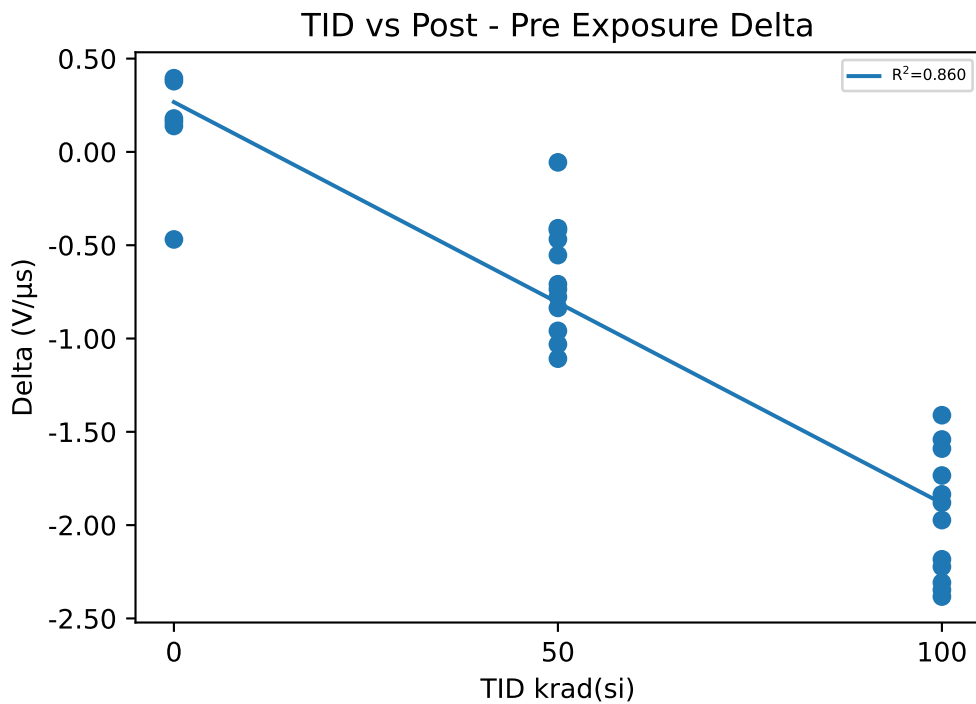
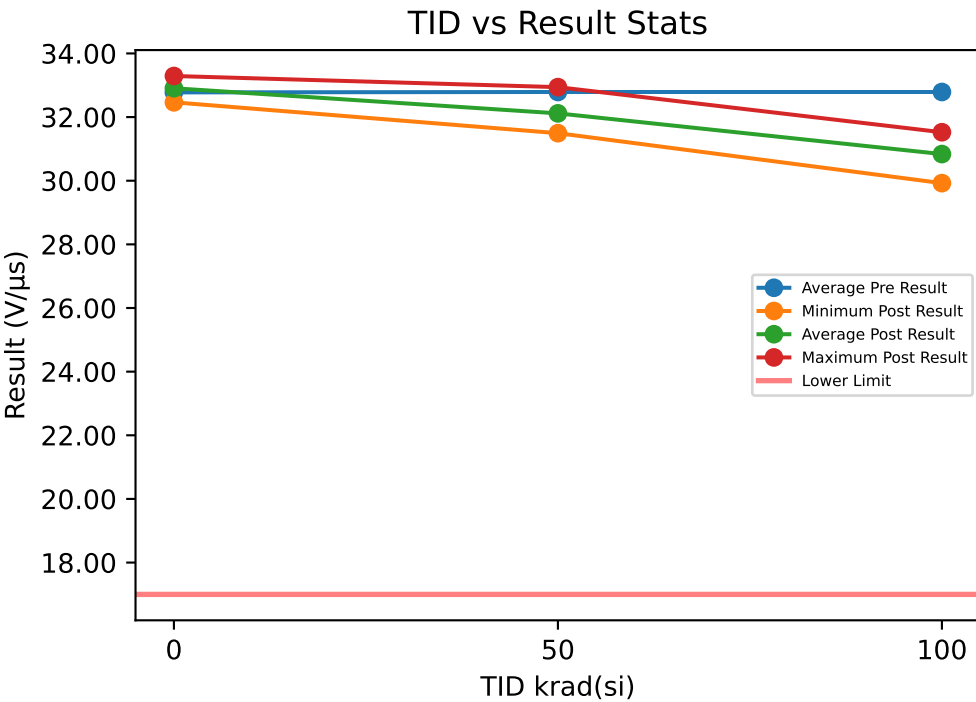
Test Results (Lower Limit = 17.0 (V/μs))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 33.258     | 33.563      | 0.305  |
| 201      | 0        | Correlation         | 33.685     | 34.783      | 1.098  |
| 202      | 0        | Correlation         | 33.166     | 33.34       | 0.174  |
| 203      | 50       | Biased              | 33.63      | 32.191      | -1.439 |
| 204      | 50       | Biased              | 33.651     | 32.269      | -1.382 |
| 205      | 50       | Biased              | 32.567     | 31.943      | -0.624 |
| 206      | 50       | Biased              | 32.99      | 31.658      | -1.332 |
| 207      | 50       | Biased              | 33.199     | 31.584      | -1.615 |
| 208      | 50       | Biased              | 33.319     | 33.034      | -0.285 |
| 209      | 50       | Unbiased            | 33.353     | 32.21       | -1.143 |
| 210      | 50       | Unbiased            | 32.624     | 32.602      | -0.022 |
| 211      | 50       | Unbiased            | 33.355     | 31.579      | -1.776 |
| 212      | 50       | Unbiased            | 34.671     | 32.719      | -1.952 |
| 213      | 50       | Unbiased            | 33.063     | 32.061      | -1.002 |
| 214      | 50       | Unbiased            | 32.43      | 32.101      | -0.329 |
| 1200     | 0        | Correlation         | 33.258     | 33.35       | 0.092  |
| 1201     | 0        | Correlation         | 33.685     | 33.292      | -0.393 |
| 1202     | 0        | Correlation         | 33.166     | 32.553      | -0.613 |
| 1203     | 100      | Biased              | 33.63      | 31.856      | -1.774 |
| 1204     | 100      | Biased              | 33.651     | 32.118      | -1.533 |
| 1205     | 100      | Biased              | 32.567     | 31.134      | -1.433 |
| 1206     | 100      | Biased              | 32.99      | 31.046      | -1.944 |
| 1207     | 100      | Biased              | 33.199     | 31.507      | -1.692 |
| 1208     | 100      | Biased              | 33.319     | 31.741      | -1.578 |
| 1209     | 100      | Unbiased            | 33.353     | 30.99       | -2.363 |
| 1210     | 100      | Unbiased            | 32.624     | 30.878      | -1.746 |
| 1211     | 100      | Unbiased            | 33.355     | 30.497      | -2.858 |
| 1212     | 100      | Unbiased            | 34.671     | 31.791      | -2.88  |
| 1213     | 100      | Unbiased            | 33.063     | 30.882      | -2.181 |
| 1214     | 100      | Unbiased            | 32.43      | 31.208      | -1.222 |

### Test Statistics (V/ $\mu$ s)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 33.166           | 33.37            | 33.685           | 0.2477           | 32.553            | 33.48             | 34.783            | 0.72607           | -0.613    | 0.1105    | 1.098     | 0.59905   |
| 50       | 32.43            | 33.238           | 34.671           | 0.60189          | 31.579            | 32.163            | 33.034            | 0.45414           | -1.952    | -1.0751   | -0.022    | 0.62869   |
| 100      | 32.43            | 33.238           | 34.671           | 0.60189          | 30.497            | 31.304            | 32.118            | 0.49089           | -2.88     | -1.9337   | -1.222    | 0.53588   |

Device Test: 19.17 ; WDO\_SLEW\_RATE\_RISE



Test Results (Lower Limit = 17.0 (V/μs))

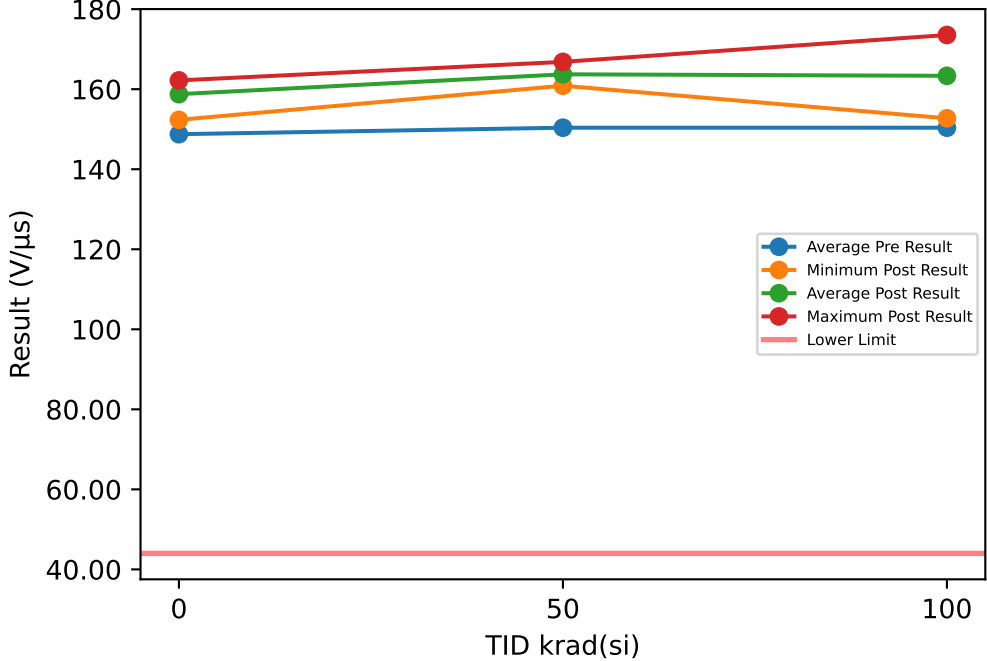
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 32.933     | 33.095      | 0.162  |
| 201      | 0        | Correlation         | 32.912     | 33.291      | 0.379  |
| 202      | 0        | Correlation         | 32.482     | 32.877      | 0.395  |
| 203      | 50       | Biased              | 32.989     | 32.03       | -0.959 |
| 204      | 50       | Biased              | 32.933     | 32.224      | -0.709 |
| 205      | 50       | Biased              | 32.675     | 31.939      | -0.736 |
| 206      | 50       | Biased              | 32.271     | 31.494      | -0.777 |
| 207      | 50       | Biased              | 32.245     | 31.777      | -0.468 |
| 208      | 50       | Biased              | 33.747     | 32.639      | -1.108 |
| 209      | 50       | Unbiased            | 32.681     | 32.272      | -0.409 |
| 210      | 50       | Unbiased            | 33.116     | 32.28       | -0.836 |
| 211      | 50       | Unbiased            | 32.671     | 31.64       | -1.031 |
| 212      | 50       | Unbiased            | 33.36      | 32.941      | -0.419 |
| 213      | 50       | Unbiased            | 32.481     | 31.928      | -0.553 |
| 214      | 50       | Unbiased            | 32.291     | 32.235      | -0.056 |
| 1200     | 0        | Correlation         | 32.933     | 32.464      | -0.469 |
| 1201     | 0        | Correlation         | 32.912     | 33.091      | 0.179  |
| 1202     | 0        | Correlation         | 32.482     | 32.621      | 0.139  |
| 1203     | 100      | Biased              | 32.989     | 31.399      | -1.59  |
| 1204     | 100      | Biased              | 32.933     | 31.522      | -1.411 |
| 1205     | 100      | Biased              | 32.675     | 30.84       | -1.835 |
| 1206     | 100      | Biased              | 32.271     | 29.924      | -2.347 |
| 1207     | 100      | Biased              | 32.245     | 30.704      | -1.541 |
| 1208     | 100      | Biased              | 33.747     | 31.524      | -2.223 |
| 1209     | 100      | Unbiased            | 32.681     | 30.801      | -1.88  |
| 1210     | 100      | Unbiased            | 33.116     | 30.808      | -2.308 |
| 1211     | 100      | Unbiased            | 32.671     | 30.288      | -2.383 |
| 1212     | 100      | Unbiased            | 33.36      | 31.387      | -1.973 |
| 1213     | 100      | Unbiased            | 32.481     | 30.298      | -2.183 |
| 1214     | 100      | Unbiased            | 32.291     | 30.557      | -1.734 |

### Test Statistics (V/ $\mu$ s)

| krad(Si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 32.482           | 32.776           | 32.933           | 0.22767          | 32.464            | 32.907            | 33.291            | 0.31483           | -0.469    | 0.13083   | 0.395     | 0.31449   |
| 50       | 32.245           | 32.788           | 33.747           | 0.46291          | 31.494            | 32.117            | 32.941            | 0.40828           | -1.108    | -0.67175  | -0.056    | 0.30349   |
| 100      | 32.245           | 32.788           | 33.747           | 0.46291          | 29.924            | 30.838            | 31.524            | 0.52943           | -2.383    | -1.9507   | -1.411    | 0.33774   |

Device Test: 19.18 ; RESET\_SLEW\_RATE\_FALL

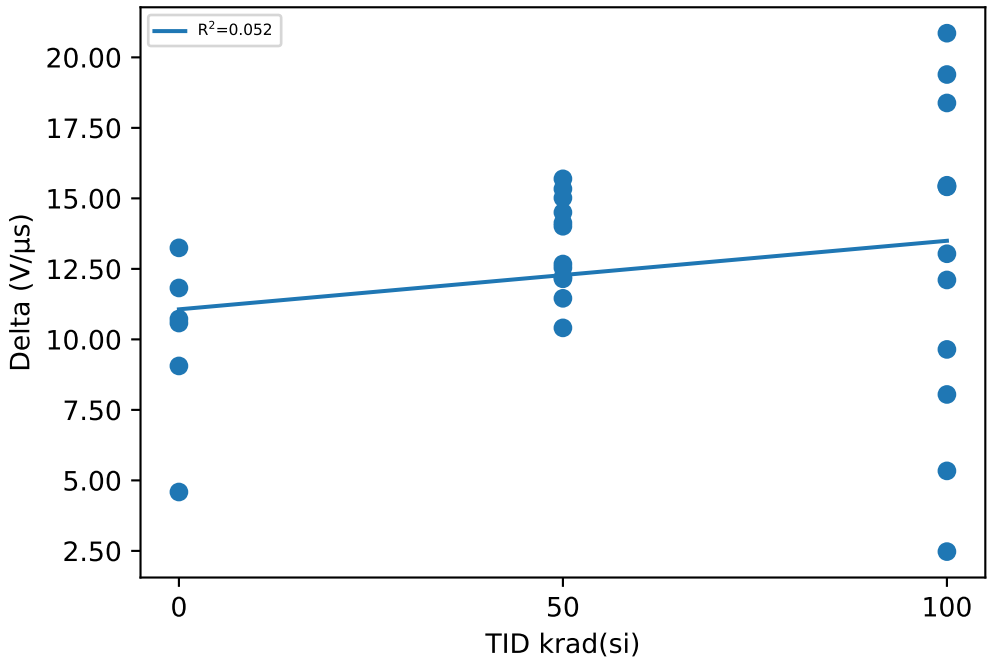
TID vs Result Stats



Test Results (Lower Limit = 44.0 (V/μs))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 148.95     | 159.53      | 10.579 |
| 201      | 0        | Correlation         | 149.56     | 161.38      | 11.823 |
| 202      | 0        | Correlation         | 147.76     | 158.48      | 10.723 |
| 203      | 50       | Biased              | 150.25     | 161.71      | 11.456 |
| 204      | 50       | Biased              | 153.35     | 163.76      | 10.408 |
| 205      | 50       | Biased              | 148.55     | 162.56      | 14.011 |
| 206      | 50       | Biased              | 151.74     | 164.28      | 12.54  |
| 207      | 50       | Biased              | 147.92     | 162.05      | 14.13  |
| 208      | 50       | Biased              | 148.72     | 160.87      | 12.148 |
| 209      | 50       | Unbiased            | 154.15     | 166.82      | 12.672 |
| 210      | 50       | Unbiased            | 153.8      | 166.01      | 12.206 |
| 211      | 50       | Unbiased            | 149.2      | 164.54      | 15.336 |
| 212      | 50       | Unbiased            | 149.01     | 164.7       | 15.693 |
| 213      | 50       | Unbiased            | 149.56     | 164.58      | 15.017 |
| 214      | 50       | Unbiased            | 148.3      | 162.8       | 14.502 |
| 1200     | 0        | Correlation         | 148.95     | 162.2       | 13.245 |
| 1201     | 0        | Correlation         | 149.56     | 158.62      | 9.058  |
| 1202     | 0        | Correlation         | 147.76     | 152.34      | 4.588  |
| 1203     | 100      | Biased              | 150.25     | 152.73      | 2.475  |
| 1204     | 100      | Biased              | 153.35     | 168.76      | 15.409 |
| 1205     | 100      | Biased              | 148.55     | 161.58      | 13.036 |
| 1206     | 100      | Biased              | 151.74     | 167.16      | 15.422 |
| 1207     | 100      | Biased              | 147.92     | 153.25      | 5.337  |
| 1208     | 100      | Biased              | 148.72     | 160.83      | 12.107 |
| 1209     | 100      | Unbiased            | 154.15     | 173.54      | 19.392 |
| 1210     | 100      | Unbiased            | 153.8      | 169.27      | 15.465 |
| 1211     | 100      | Unbiased            | 149.2      | 170.06      | 20.857 |
| 1212     | 100      | Unbiased            | 149.01     | 167.39      | 18.383 |
| 1213     | 100      | Unbiased            | 149.56     | 157.61      | 8.047  |
| 1214     | 100      | Unbiased            | 148.3      | 157.94      | 9.644  |

TID vs Post - Pre Exposure Delta

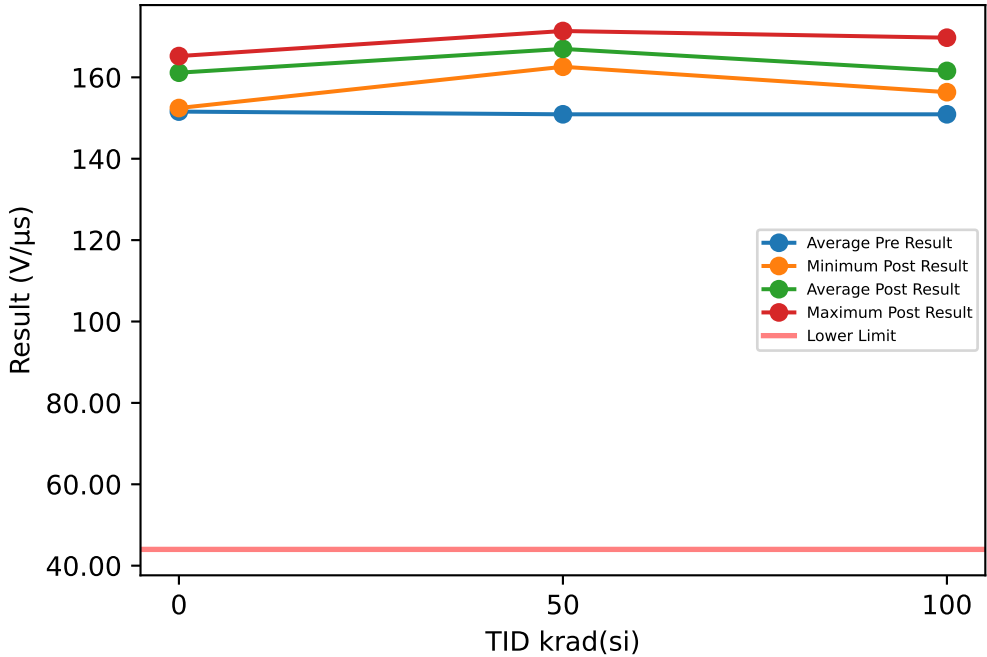


Test Statistics (V/μs)

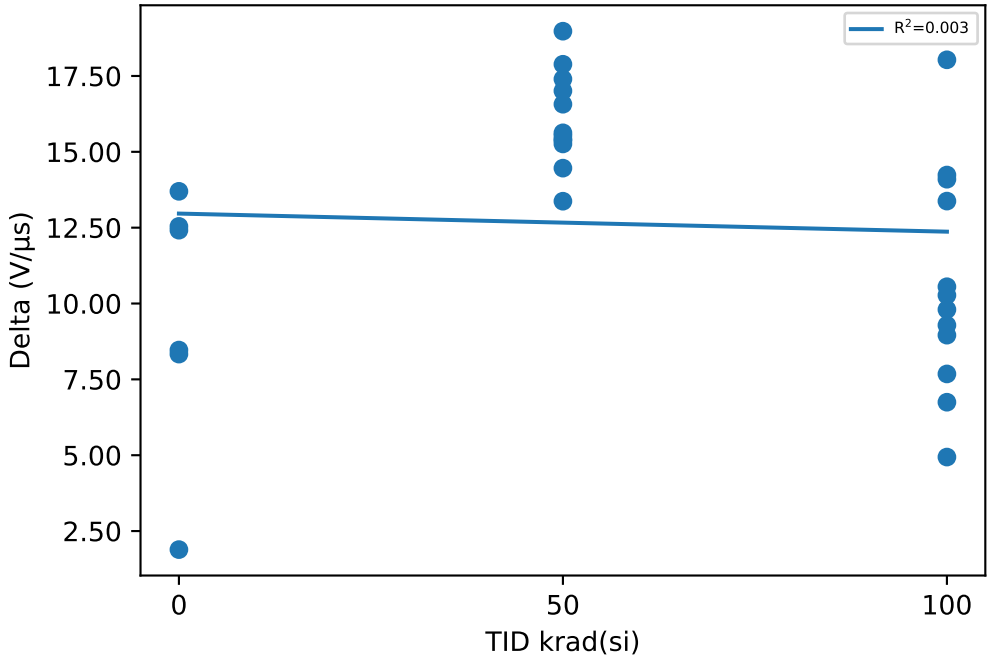
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 147.76           | 148.76           | 149.56           | 0.81986          | 152.34            | 158.76            | 162.2             | 3.4798            | 4.588     | 10.003    | 13.245    | 2.9963    |
| 50       | 147.92           | 150.38           | 154.15           | 2.2785           | 160.87            | 163.72            | 166.82            | 1.7771            | 10.408    | 13.343    | 15.693    | 1.6705    |
| 100      | 147.92           | 150.38           | 154.15           | 2.2785           | 152.73            | 163.34            | 173.54            | 6.9453            | 2.475     | 12.964    | 20.857    | 5.684     |

Device Test: 19.19 ; RESET\_SLEW\_RATE\_FALL

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 44.0 (V/μs))

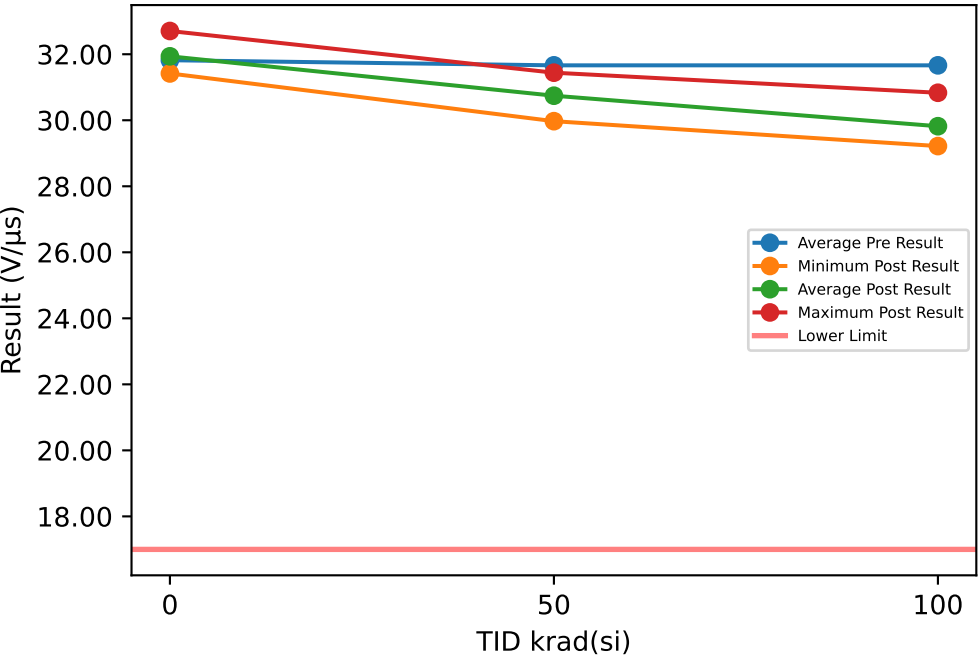
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 150.57     | 163.11      | 12.542 |
| 201      | 0        | Correlation         | 151.53     | 165.23      | 13.698 |
| 202      | 0        | Correlation         | 152.66     | 165.07      | 12.417 |
| 203      | 50       | Biased              | 148.67     | 164.3       | 15.626 |
| 204      | 50       | Biased              | 153.26     | 168.52      | 15.26  |
| 205      | 50       | Biased              | 149.23     | 162.6       | 13.372 |
| 206      | 50       | Biased              | 152.03     | 167.41      | 15.378 |
| 207      | 50       | Biased              | 148.78     | 164.19      | 15.411 |
| 208      | 50       | Biased              | 150.65     | 165.12      | 14.462 |
| 209      | 50       | Unbiased            | 153.99     | 171.39      | 17.398 |
| 210      | 50       | Unbiased            | 151.71     | 170.69      | 18.976 |
| 211      | 50       | Unbiased            | 148.08     | 164.65      | 16.569 |
| 212      | 50       | Unbiased            | 151.67     | 169.55      | 17.886 |
| 213      | 50       | Unbiased            | 151.41     | 166.95      | 15.534 |
| 214      | 50       | Unbiased            | 151.53     | 168.54      | 17.009 |
| 1200     | 0        | Correlation         | 150.57     | 152.46      | 1.889  |
| 1201     | 0        | Correlation         | 151.53     | 160         | 8.466  |
| 1202     | 0        | Correlation         | 152.66     | 160.99      | 8.333  |
| 1203     | 100      | Biased              | 148.67     | 162.05      | 13.376 |
| 1204     | 100      | Biased              | 153.26     | 167.49      | 14.235 |
| 1205     | 100      | Biased              | 149.23     | 156.91      | 7.679  |
| 1206     | 100      | Biased              | 152.03     | 161.31      | 9.285  |
| 1207     | 100      | Biased              | 148.78     | 157.74      | 8.957  |
| 1208     | 100      | Biased              | 150.65     | 164.75      | 14.097 |
| 1209     | 100      | Unbiased            | 153.99     | 163.79      | 9.801  |
| 1210     | 100      | Unbiased            | 151.71     | 169.75      | 18.033 |
| 1211     | 100      | Unbiased            | 148.08     | 158.63      | 10.553 |
| 1212     | 100      | Unbiased            | 151.67     | 161.94      | 10.273 |
| 1213     | 100      | Unbiased            | 151.41     | 156.35      | 4.939  |
| 1214     | 100      | Unbiased            | 151.53     | 158.27      | 6.747  |

Test Statistics (V/μs)

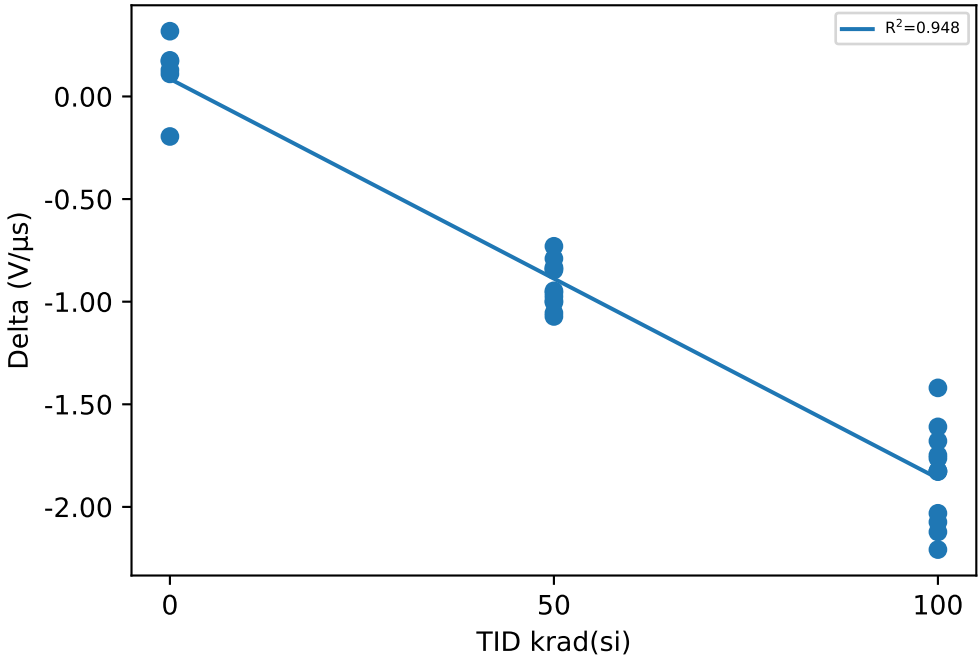
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 150.57           | 151.59           | 152.66           | 0.93387          | 152.46            | 161.14            | 165.23            | 4.7489            | 1.889     | 9.5575    | 13.698    | 4.3755    |
| 50       | 148.08           | 150.92           | 153.99           | 1.872            | 162.6             | 166.99            | 171.39            | 2.8259            | 13.372    | 16.073    | 18.976    | 1.5537    |
| 100      | 148.08           | 150.92           | 153.99           | 1.872            | 156.35            | 161.58            | 169.75            | 4.2698            | 4.939     | 10.665    | 18.033    | 3.6798    |

Device Test: 19.2 ; RESET\_SLEW\_RATE\_RISE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 17.0 (V/μs))

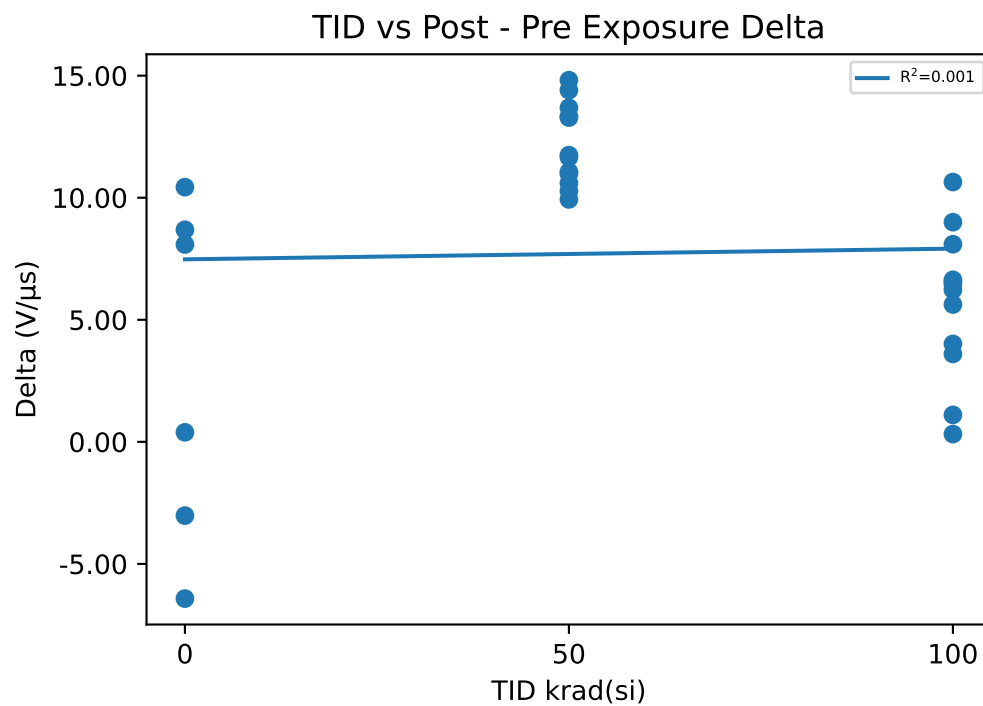
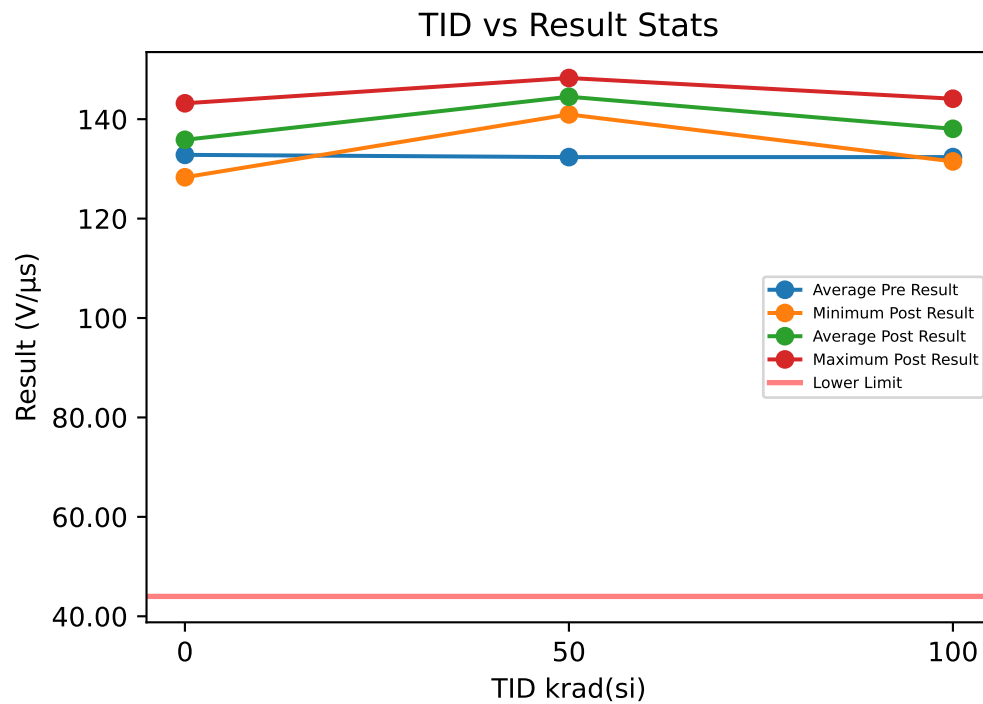
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 31.762     | 31.933      | 0.171  |
| 201      | 0        | Correlation         | 32.386     | 32.704      | 0.318  |
| 202      | 0        | Correlation         | 31.308     | 31.484      | 0.176  |
| 203      | 50       | Biased              | 31.647     | 30.592      | -1.055 |
| 204      | 50       | Biased              | 32.102     | 31.312      | -0.79  |
| 205      | 50       | Biased              | 31.499     | 30.552      | -0.947 |
| 206      | 50       | Biased              | 31.37      | 30.374      | -0.996 |
| 207      | 50       | Biased              | 31.586     | 30.583      | -1.003 |
| 208      | 50       | Biased              | 32.253     | 31.297      | -0.956 |
| 209      | 50       | Unbiased            | 31.429     | 30.583      | -0.846 |
| 210      | 50       | Unbiased            | 31.767     | 31.037      | -0.73  |
| 211      | 50       | Unbiased            | 31.044     | 29.972      | -1.072 |
| 212      | 50       | Unbiased            | 32.416     | 31.441      | -0.975 |
| 213      | 50       | Unbiased            | 31.254     | 30.415      | -0.839 |
| 214      | 50       | Unbiased            | 31.599     | 30.766      | -0.833 |
| 1200     | 0        | Correlation         | 31.762     | 31.567      | -0.195 |
| 1201     | 0        | Correlation         | 32.386     | 32.515      | 0.129  |
| 1202     | 0        | Correlation         | 31.308     | 31.418      | 0.11   |
| 1203     | 100      | Biased              | 31.647     | 29.884      | -1.763 |
| 1204     | 100      | Biased              | 32.102     | 30.492      | -1.61  |
| 1205     | 100      | Biased              | 31.499     | 29.82       | -1.679 |
| 1206     | 100      | Biased              | 31.37      | 29.339      | -2.031 |
| 1207     | 100      | Biased              | 31.586     | 29.838      | -1.748 |
| 1208     | 100      | Biased              | 32.253     | 30.833      | -1.42  |
| 1209     | 100      | Unbiased            | 31.429     | 29.355      | -2.074 |
| 1210     | 100      | Unbiased            | 31.767     | 29.645      | -2.122 |
| 1211     | 100      | Unbiased            | 31.044     | 29.218      | -1.826 |
| 1212     | 100      | Unbiased            | 32.416     | 30.208      | -2.208 |
| 1213     | 100      | Unbiased            | 31.254     | 29.429      | -1.825 |
| 1214     | 100      | Unbiased            | 31.599     | 29.771      | -1.828 |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 31.308           | 31.819           | 32.386           | 0.48409          | 31.418            | 31.937            | 32.704            | 0.55387           | -0.195    | 0.11817   | 0.318     | 0.1699    |
| 50       | 31.044           | 31.664           | 32.416           | 0.40975          | 29.972            | 30.744            | 31.441            | 0.44246           | -1.072    | -0.92017  | -0.73     | 0.1094    |
| 100      | 31.044           | 31.664           | 32.416           | 0.40975          | 29.218            | 29.819            | 30.833            | 0.48884           | -2.208    | -1.8445   | -1.42     | 0.22886   |



## Device Test: 19.20 ; RESET\_SLEW\_RATE\_FALL



Test Results (Lower Limit = 44.0 (V/μs))

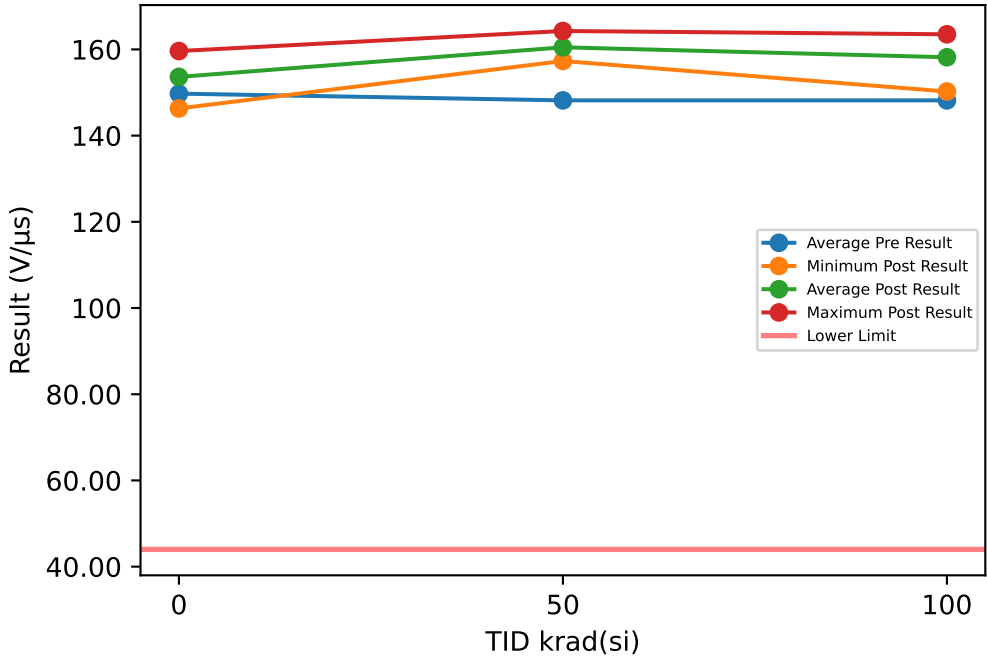
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 131.34     | 140.02      | 8.687  |
| 201      | 0        | Correlation         | 132.03     | 142.46      | 10.433 |
| 202      | 0        | Correlation         | 135.11     | 143.19      | 8.083  |
| 203      | 50       | Biased              | 130.95     | 141.23      | 10.276 |
| 204      | 50       | Biased              | 136.28     | 146.21      | 9.93   |
| 205      | 50       | Biased              | 130.36     | 140.96      | 10.598 |
| 206      | 50       | Biased              | 132.46     | 143.52      | 11.06  |
| 207      | 50       | Biased              | 131.53     | 143.27      | 11.744 |
| 208      | 50       | Biased              | 131.17     | 142.15      | 10.978 |
| 209      | 50       | Unbiased            | 133.47     | 148.28      | 14.814 |
| 210      | 50       | Unbiased            | 133.4      | 146.69      | 13.284 |
| 211      | 50       | Unbiased            | 131.19     | 142.84      | 11.656 |
| 212      | 50       | Unbiased            | 134.15     | 147.47      | 13.328 |
| 213      | 50       | Unbiased            | 130.62     | 144.31      | 13.686 |
| 214      | 50       | Unbiased            | 132.88     | 147.28      | 14.406 |
| 1200     | 0        | Correlation         | 131.34     | 128.31      | -3.021 |
| 1201     | 0        | Correlation         | 132.03     | 132.41      | 0.39   |
| 1202     | 0        | Correlation         | 135.11     | 128.69      | -6.421 |
| 1203     | 100      | Biased              | 130.95     | 139.05      | 8.094  |
| 1204     | 100      | Biased              | 136.28     | 139.88      | 3.6    |
| 1205     | 100      | Biased              | 130.36     | 134.37      | 4.011  |
| 1206     | 100      | Biased              | 132.46     | 138.09      | 5.626  |
| 1207     | 100      | Biased              | 131.53     | 137.98      | 6.451  |
| 1208     | 100      | Biased              | 131.17     | 132.27      | 1.104  |
| 1209     | 100      | Unbiased            | 133.47     | 144.11      | 10.643 |
| 1210     | 100      | Unbiased            | 133.4      | 140.04      | 6.637  |
| 1211     | 100      | Unbiased            | 131.19     | 131.5       | 0.318  |
| 1212     | 100      | Unbiased            | 134.15     | 143.14      | 8.998  |
| 1213     | 100      | Unbiased            | 130.62     | 136.85      | 6.225  |
| 1214     | 100      | Unbiased            | 132.88     | 139.43      | 6.556  |

Test Statistics (V/ $\mu$ s)

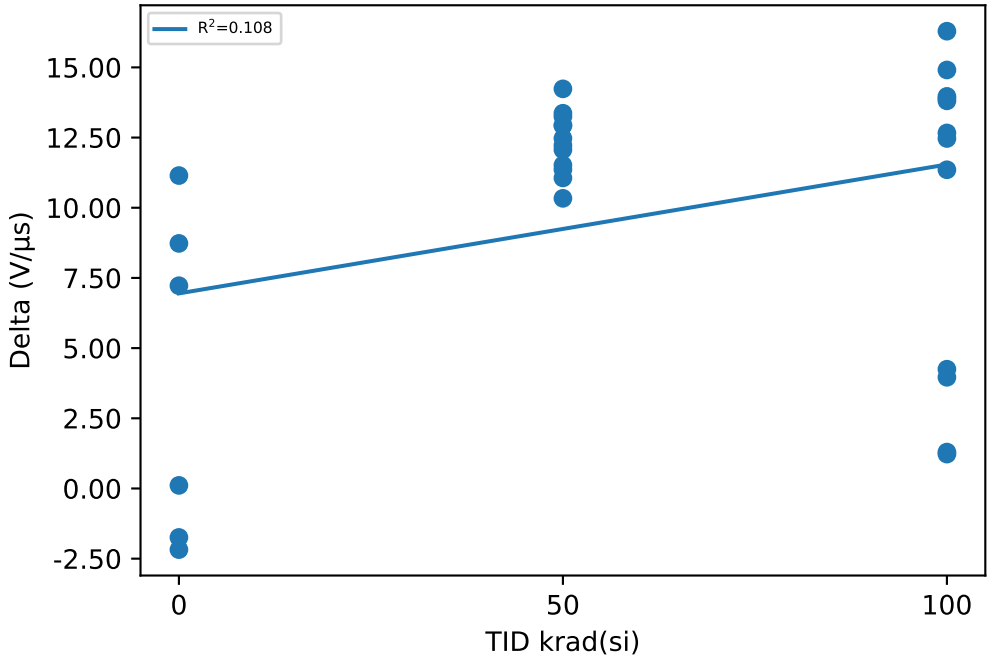
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 131.34           | 132.82           | 135.11           | 1.7984           | 128.31            | 135.85            | 143.19            | 6.8536            | -6.421    | 3.0252    | 10.433    | 7.0035    |
| 50       | 130.36           | 132.37           | 136.28           | 1.749            | 140.96            | 144.52            | 148.28            | 2.5702            | 9.93      | 12.147    | 14.814    | 1.6798    |
| 100      | 130.36           | 132.37           | 136.28           | 1.749            | 131.5             | 138.06            | 144.11            | 3.8632            | 0.318     | 5.6886    | 10.643    | 3.0279    |

Device Test: 19.21 ; RESET\_SLEW\_RATE\_FALL

TID vs Result Stats



TID vs Post - Pre Exposure Delta



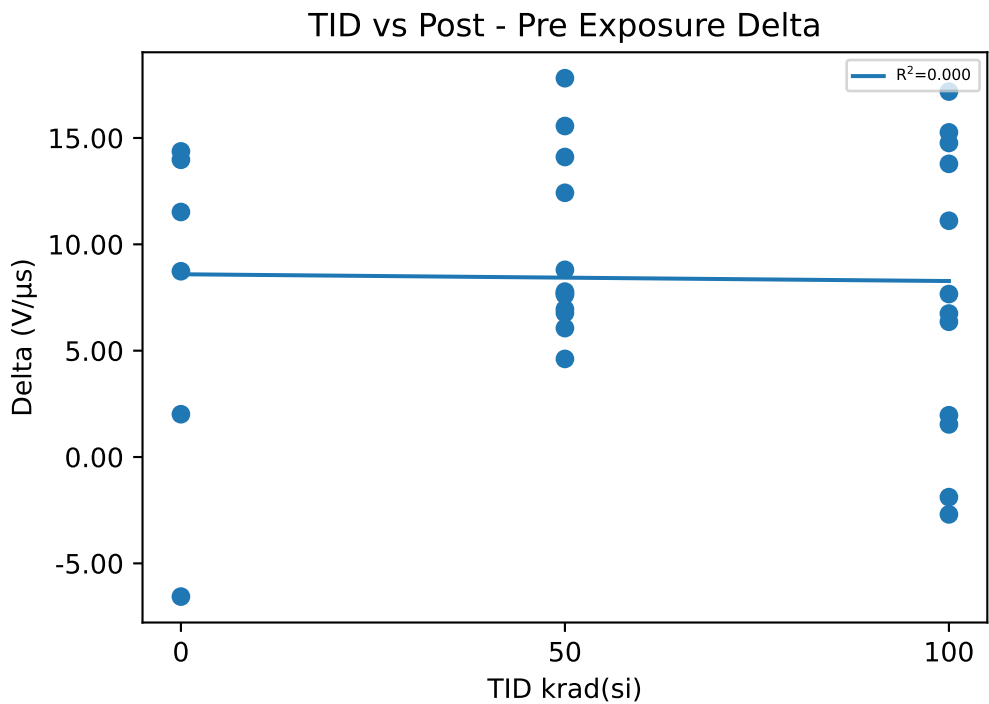
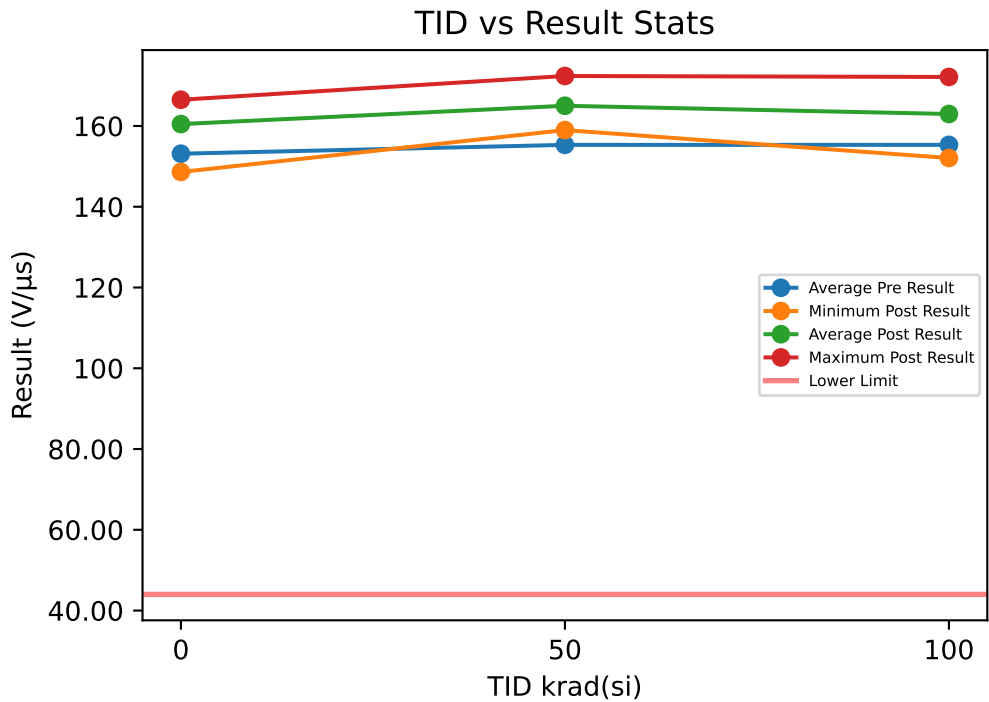
Test Results (Lower Limit = 44.0 (V/μs))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 149.02     | 157.75      | 8.73   |
| 201      | 0        | Correlation         | 151.72     | 158.95      | 7.223  |
| 202      | 0        | Correlation         | 148.48     | 159.62      | 11.147 |
| 203      | 50       | Biased              | 145.09     | 157.32      | 12.222 |
| 204      | 50       | Biased              | 151.34     | 164.27      | 12.929 |
| 205      | 50       | Biased              | 146.2      | 159.44      | 13.247 |
| 206      | 50       | Biased              | 149.81     | 160.88      | 11.062 |
| 207      | 50       | Biased              | 144.66     | 158.02      | 13.367 |
| 208      | 50       | Biased              | 145.98     | 158.92      | 12.936 |
| 209      | 50       | Unbiased            | 152.29     | 162.63      | 10.335 |
| 210      | 50       | Unbiased            | 148.37     | 162.6       | 14.235 |
| 211      | 50       | Unbiased            | 147.75     | 159.12      | 11.364 |
| 212      | 50       | Unbiased            | 148.64     | 161.11      | 12.471 |
| 213      | 50       | Unbiased            | 148.27     | 159.79      | 11.518 |
| 214      | 50       | Unbiased            | 149.7      | 161.77      | 12.067 |
| 1200     | 0        | Correlation         | 149.02     | 149.13      | 0.11   |
| 1201     | 0        | Correlation         | 151.72     | 149.98      | -1.744 |
| 1202     | 0        | Correlation         | 148.48     | 146.3       | -2.177 |
| 1203     | 100      | Biased              | 145.09     | 160         | 14.908 |
| 1204     | 100      | Biased              | 151.34     | 152.64      | 1.297  |
| 1205     | 100      | Biased              | 146.2      | 162.49      | 16.289 |
| 1206     | 100      | Biased              | 149.81     | 161.17      | 11.353 |
| 1207     | 100      | Biased              | 144.66     | 157.12      | 12.467 |
| 1208     | 100      | Biased              | 145.98     | 150.23      | 4.249  |
| 1209     | 100      | Unbiased            | 152.29     | 153.52      | 1.225  |
| 1210     | 100      | Unbiased            | 148.37     | 162.34      | 13.967 |
| 1211     | 100      | Unbiased            | 147.75     | 161.64      | 13.892 |
| 1212     | 100      | Unbiased            | 148.64     | 161.31      | 12.665 |
| 1213     | 100      | Unbiased            | 148.27     | 152.23      | 3.961  |
| 1214     | 100      | Unbiased            | 149.7      | 163.51      | 13.808 |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 148.48           | 149.74           | 151.72           | 1.5558           | 146.3             | 153.62            | 159.62            | 5.8047            | -2.177    | 3.8815    | 11.147    | 5.8316    |
| 50       | 144.66           | 148.18           | 152.29           | 2.3944           | 157.32            | 160.49            | 164.27            | 2.0808            | 10.335    | 12.313    | 14.235    | 1.1098    |
| 100      | 144.66           | 148.18           | 152.29           | 2.3944           | 150.23            | 158.18            | 163.51            | 4.7697            | 1.225     | 10.007    | 16.289    | 5.6111    |

Device Test: 19.22 ; PWRGD\_SLEW\_RATE\_FALL

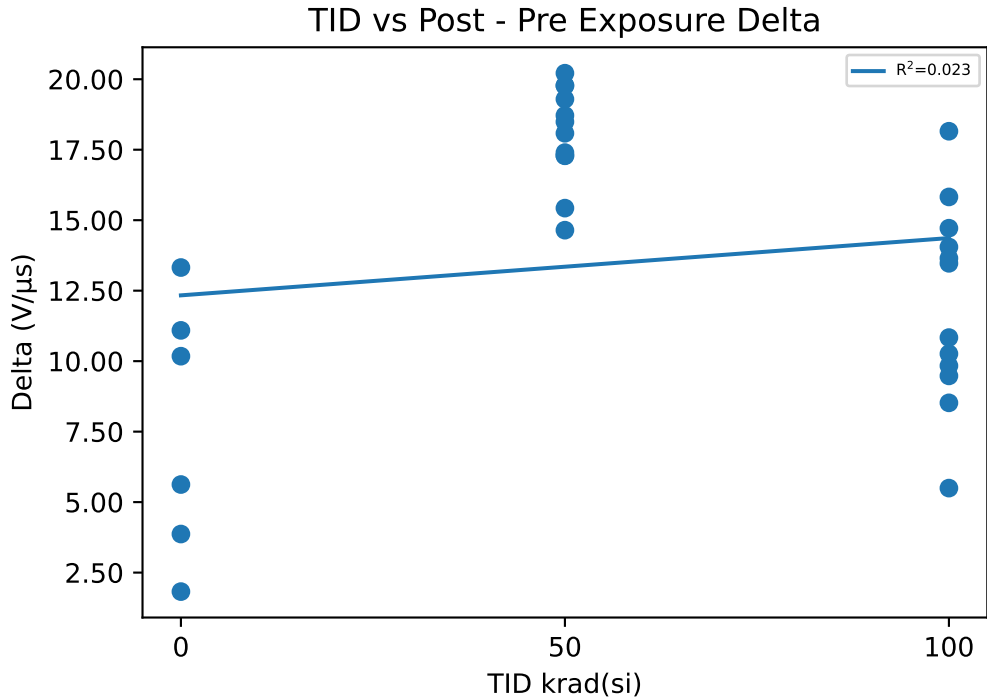
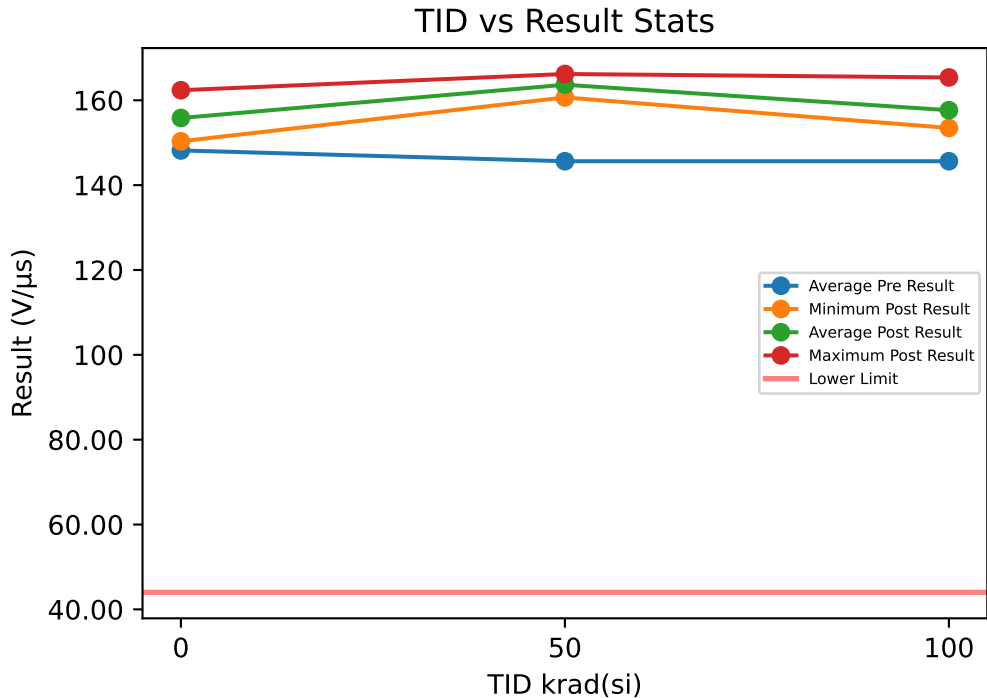


| Test Results (Lower Limit = 44.0 (V/μs)) |          |                     |            |             |        |
|------------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 200                                      | 0        | Correlation         | 155.17     | 157.19      | 2.012  |
| 201                                      | 0        | Correlation         | 152.13     | 166.5       | 14.369 |
| 202                                      | 0        | Correlation         | 152.1      | 166.07      | 13.975 |
| 203                                      | 50       | Biased              | 153.37     | 167.48      | 14.106 |
| 204                                      | 50       | Biased              | 157.27     | 166.07      | 8.801  |
| 205                                      | 50       | Biased              | 152.72     | 159.49      | 6.773  |
| 206                                      | 50       | Biased              | 153.85     | 161.56      | 7.708  |
| 207                                      | 50       | Biased              | 152.93     | 158.99      | 6.06   |
| 208                                      | 50       | Biased              | 156.87     | 164.65      | 7.777  |
| 209                                      | 50       | Unbiased            | 158.92     | 163.54      | 4.613  |
| 210                                      | 50       | Unbiased            | 150.54     | 168.35      | 17.811 |
| 211                                      | 50       | Unbiased            | 153.56     | 169.13      | 15.562 |
| 212                                      | 50       | Unbiased            | 159.96     | 172.38      | 12.423 |
| 213                                      | 50       | Unbiased            | 154.96     | 162.59      | 7.628  |
| 214                                      | 50       | Unbiased            | 158.91     | 165.87      | 6.954  |
| 1200                                     | 0        | Correlation         | 155.17     | 148.61      | -6.562 |
| 1201                                     | 0        | Correlation         | 152.13     | 163.65      | 11.521 |
| 1202                                     | 0        | Correlation         | 152.1      | 160.83      | 8.734  |
| 1203                                     | 100      | Biased              | 153.37     | 167.16      | 13.784 |
| 1204                                     | 100      | Biased              | 157.27     | 163.63      | 6.359  |
| 1205                                     | 100      | Biased              | 152.72     | 160.38      | 7.663  |
| 1206                                     | 100      | Biased              | 153.85     | 169.11      | 15.263 |
| 1207                                     | 100      | Biased              | 152.93     | 167.69      | 14.765 |
| 1208                                     | 100      | Biased              | 156.87     | 167.98      | 11.109 |
| 1209                                     | 100      | Unbiased            | 158.92     | 157.04      | -1.886 |
| 1210                                     | 100      | Unbiased            | 150.54     | 152.07      | 1.533  |
| 1211                                     | 100      | Unbiased            | 153.56     | 160.31      | 6.746  |
| 1212                                     | 100      | Unbiased            | 159.96     | 161.92      | 1.965  |
| 1213                                     | 100      | Unbiased            | 154.96     | 172.14      | 17.183 |
| 1214                                     | 100      | Unbiased            | 158.91     | 156.22      | -2.696 |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 152.1            | 153.13           | 155.17           | 1.5807           | 148.61            | 160.47            | 166.5             | 6.7727            | -6.562    | 7.3415    | 14.369    | 8.1793    |
| 50       | 150.54           | 155.32           | 159.96           | 2.9869           | 158.99            | 165.01            | 172.38            | 4.0139            | 4.613     | 9.6847    | 17.811    | 4.2101    |
| 100      | 150.54           | 155.32           | 159.96           | 2.9869           | 152.07            | 162.97            | 172.14            | 6.0429            | -2.696    | 7.649     | 17.183    | 6.8705    |

Device Test: 19.23 ; WDO\_SLEW\_RATE\_FALL



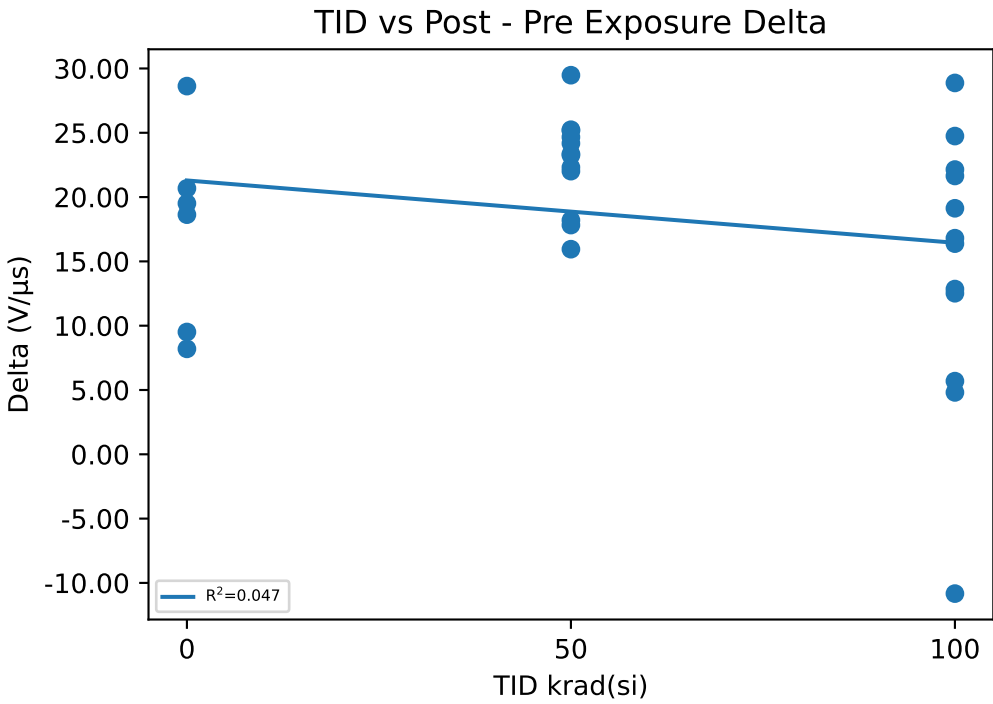
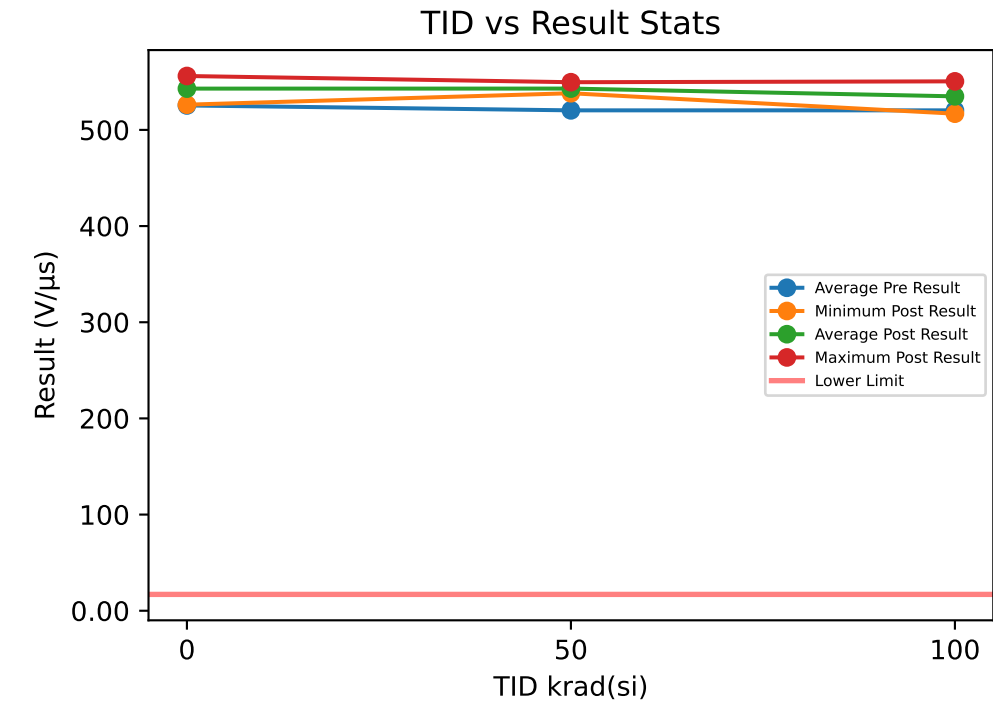
Test Results (Lower Limit = 44.0 (V/μs))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 144.71     | 155.81      | 11.092 |
| 201      | 0        | Correlation         | 150.77     | 160.94      | 10.176 |
| 202      | 0        | Correlation         | 149.05     | 162.38      | 13.321 |
| 203      | 50       | Biased              | 147.23     | 164.53      | 17.294 |
| 204      | 50       | Biased              | 148.48     | 165.88      | 17.398 |
| 205      | 50       | Biased              | 143.22     | 162.52      | 19.293 |
| 206      | 50       | Biased              | 145.91     | 164.4       | 18.49  |
| 207      | 50       | Biased              | 144.26     | 162.97      | 18.715 |
| 208      | 50       | Biased              | 146.06     | 160.7       | 14.646 |
| 209      | 50       | Unbiased            | 145.28     | 165.5       | 20.214 |
| 210      | 50       | Unbiased            | 144.54     | 161.82      | 17.284 |
| 211      | 50       | Unbiased            | 145.25     | 160.68      | 15.428 |
| 212      | 50       | Unbiased            | 146.43     | 166.2       | 19.772 |
| 213      | 50       | Unbiased            | 144.57     | 164.35      | 19.776 |
| 214      | 50       | Unbiased            | 146.43     | 164.51      | 18.083 |
| 1200     | 0        | Correlation         | 144.71     | 150.34      | 5.624  |
| 1201     | 0        | Correlation         | 150.77     | 152.59      | 1.826  |
| 1202     | 0        | Correlation         | 149.05     | 152.92      | 3.868  |
| 1203     | 100      | Biased              | 147.23     | 165.39      | 18.155 |
| 1204     | 100      | Biased              | 148.48     | 153.98      | 5.497  |
| 1205     | 100      | Biased              | 143.22     | 153.49      | 10.261 |
| 1206     | 100      | Biased              | 145.91     | 156.75      | 10.836 |
| 1207     | 100      | Biased              | 144.26     | 157.73      | 13.47  |
| 1208     | 100      | Biased              | 146.06     | 155.89      | 9.835  |
| 1209     | 100      | Unbiased            | 145.28     | 154.76      | 9.477  |
| 1210     | 100      | Unbiased            | 144.54     | 160.36      | 15.825 |
| 1211     | 100      | Unbiased            | 145.25     | 153.77      | 8.521  |
| 1212     | 100      | Unbiased            | 146.43     | 161.14      | 14.716 |
| 1213     | 100      | Unbiased            | 144.57     | 158.62      | 14.05  |
| 1214     | 100      | Unbiased            | 146.43     | 160.08      | 13.65  |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 144.71           | 148.18           | 150.77           | 2.7912           | 150.34            | 155.83            | 162.38            | 4.8598            | 1.826     | 7.6512    | 13.321    | 4.5324    |
| 50       | 143.22           | 145.64           | 148.48           | 1.4298           | 160.68            | 163.67            | 166.2             | 1.908             | 14.646    | 18.033    | 20.214    | 1.7281    |
| 100      | 143.22           | 145.64           | 148.48           | 1.4298           | 153.49            | 157.66            | 165.39            | 3.6233            | 5.497     | 12.024    | 18.155    | 3.5521    |

Device Test: 19.24 ; RESET\_SLEW\_RATE\_RISE



Test Results (Lower Limit = 17.0 (V/μs))

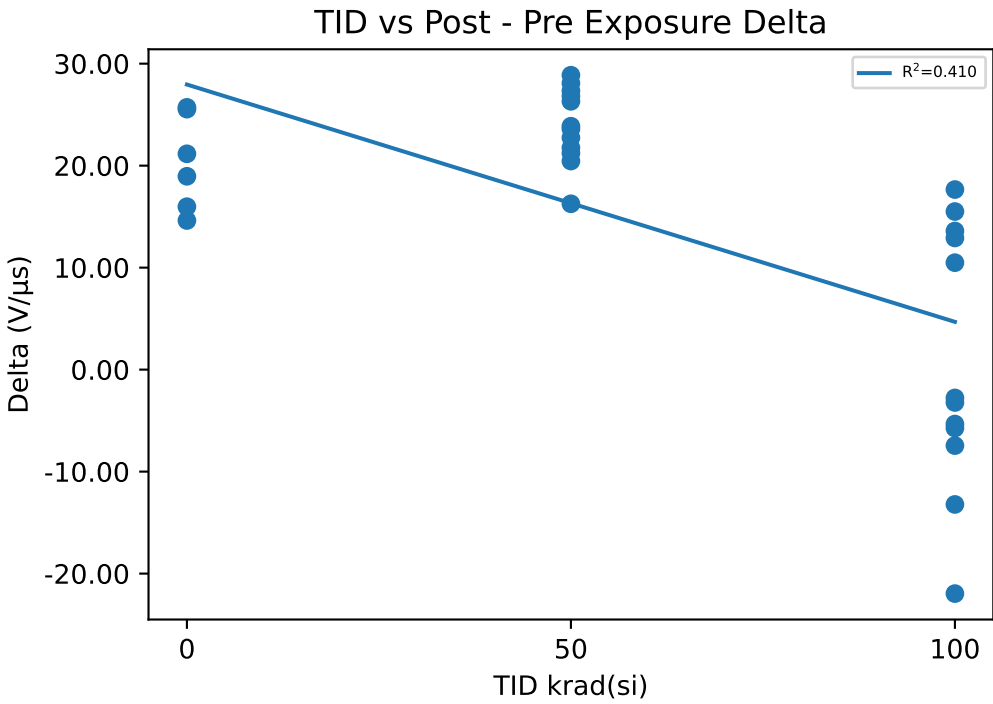
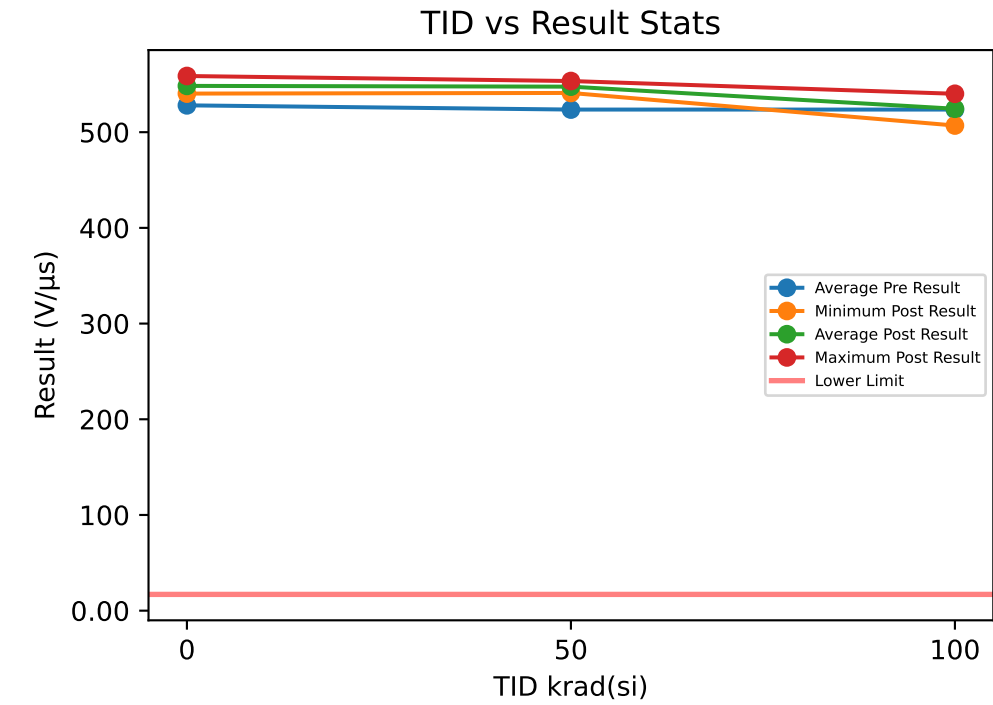
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta   |
|----------|----------|---------------------|------------|-------------|---------|
| 200      | 0        | Correlation         | 516.71     | 545.34      | 28.629  |
| 201      | 0        | Correlation         | 535.37     | 556.05      | 20.679  |
| 202      | 0        | Correlation         | 524.15     | 542.78      | 18.633  |
| 203      | 50       | Biased              | 516.5      | 541.16      | 24.661  |
| 204      | 50       | Biased              | 525.73     | 541.68      | 15.948  |
| 205      | 50       | Biased              | 517.63     | 541.8       | 24.175  |
| 206      | 50       | Biased              | 515.52     | 545         | 29.477  |
| 207      | 50       | Biased              | 516.84     | 540.19      | 23.355  |
| 208      | 50       | Biased              | 522.49     | 545.75      | 23.257  |
| 209      | 50       | Unbiased            | 516.35     | 541.53      | 25.172  |
| 210      | 50       | Unbiased            | 527.69     | 545.52      | 17.824  |
| 211      | 50       | Unbiased            | 519.93     | 538.13      | 18.201  |
| 212      | 50       | Unbiased            | 524.35     | 549.59      | 25.237  |
| 213      | 50       | Unbiased            | 517.8      | 539.82      | 22.016  |
| 214      | 50       | Unbiased            | 523.12     | 545.43      | 22.315  |
| 1200     | 0        | Correlation         | 516.71     | 526.22      | 9.51    |
| 1201     | 0        | Correlation         | 535.37     | 554.88      | 19.509  |
| 1202     | 0        | Correlation         | 524.15     | 532.35      | 8.199   |
| 1203     | 100      | Biased              | 516.5      | 533.31      | 16.804  |
| 1204     | 100      | Biased              | 525.73     | 550.48      | 24.744  |
| 1205     | 100      | Biased              | 517.63     | 539.77      | 22.141  |
| 1206     | 100      | Biased              | 515.52     | 544.39      | 28.875  |
| 1207     | 100      | Biased              | 516.84     | 522.53      | 5.689   |
| 1208     | 100      | Biased              | 522.49     | 527.3       | 4.812   |
| 1209     | 100      | Unbiased            | 516.35     | 535.48      | 19.129  |
| 1210     | 100      | Unbiased            | 527.69     | 516.86      | -10.831 |
| 1211     | 100      | Unbiased            | 519.93     | 532.45      | 12.522  |
| 1212     | 100      | Unbiased            | 524.35     | 537.2       | 12.848  |
| 1213     | 100      | Unbiased            | 517.8      | 539.44      | 21.642  |
| 1214     | 100      | Unbiased            | 523.12     | 539.5       | 16.38   |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 516.71           | 525.41           | 535.37           | 8.4011           | 526.22            | 542.94            | 556.05            | 11.932            | 8.199     | 17.526    | 28.629    | 7.6108    |
| 50       | 515.52           | 520.33           | 527.69           | 4.1741           | 538.13            | 542.97            | 549.59            | 3.2693            | 15.948    | 22.637    | 29.477    | 3.7587    |
| 100      | 515.52           | 520.33           | 527.69           | 4.1741           | 516.86            | 534.89            | 550.48            | 9.2863            | -10.831   | 14.563    | 28.875    | 10.749    |



Device Test: 19.25 ; RESET\_SLEW\_RATE\_RISE



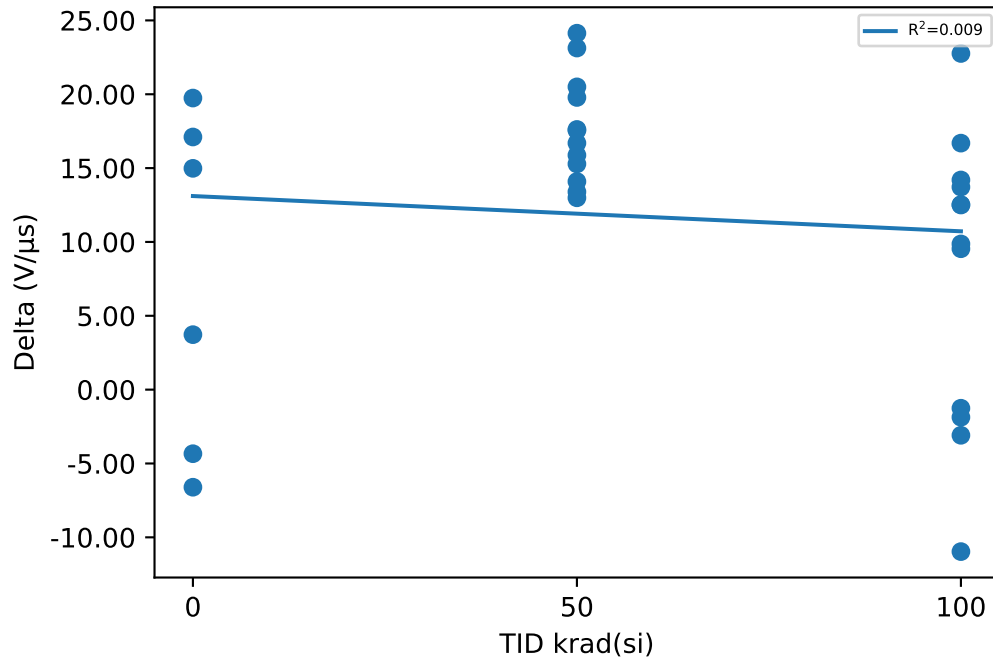
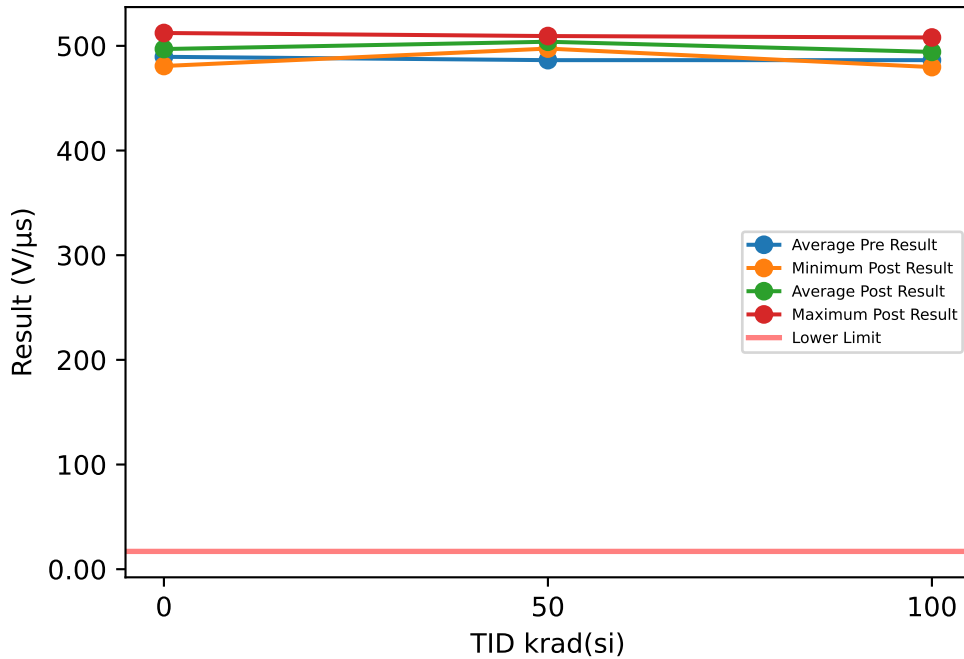
Test Results (Lower Limit = 17.0 (V/μs))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta   |
|----------|----------|---------------------|------------|-------------|---------|
| 200      | 0        | Correlation         | 525.22     | 550.76      | 25.541  |
| 201      | 0        | Correlation         | 537.55     | 558.71      | 21.162  |
| 202      | 0        | Correlation         | 521.38     | 547.09      | 25.716  |
| 203      | 50       | Biased              | 524.62     | 545.84      | 21.222  |
| 204      | 50       | Biased              | 524.59     | 553.45      | 28.869  |
| 205      | 50       | Biased              | 519.72     | 542.46      | 22.739  |
| 206      | 50       | Biased              | 519.94     | 546.76      | 26.82   |
| 207      | 50       | Biased              | 516.92     | 545         | 28.085  |
| 208      | 50       | Biased              | 524.5      | 551.83      | 27.339  |
| 209      | 50       | Unbiased            | 523.83     | 547.69      | 23.867  |
| 210      | 50       | Unbiased            | 528.92     | 549.37      | 20.451  |
| 211      | 50       | Unbiased            | 524.74     | 541         | 16.26   |
| 212      | 50       | Unbiased            | 528.25     | 551.84      | 23.596  |
| 213      | 50       | Unbiased            | 523.76     | 545.52      | 21.758  |
| 214      | 50       | Unbiased            | 523.89     | 550.2       | 26.308  |
| 1200     | 0        | Correlation         | 525.22     | 541.2       | 15.975  |
| 1201     | 0        | Correlation         | 537.55     | 552.17      | 14.622  |
| 1202     | 0        | Correlation         | 521.38     | 540.33      | 18.957  |
| 1203     | 100      | Biased              | 524.62     | 540.12      | 15.502  |
| 1204     | 100      | Biased              | 524.59     | 518.86      | -5.73   |
| 1205     | 100      | Biased              | 519.72     | 537.38      | 17.657  |
| 1206     | 100      | Biased              | 519.94     | 517.17      | -2.775  |
| 1207     | 100      | Biased              | 516.92     | 511.58      | -5.335  |
| 1208     | 100      | Biased              | 524.5      | 538.09      | 13.592  |
| 1209     | 100      | Unbiased            | 523.83     | 520.6       | -3.222  |
| 1210     | 100      | Unbiased            | 528.92     | 506.96      | -21.961 |
| 1211     | 100      | Unbiased            | 524.74     | 511.52      | -13.219 |
| 1212     | 100      | Unbiased            | 528.25     | 538.73      | 10.487  |
| 1213     | 100      | Unbiased            | 523.76     | 536.67      | 12.909  |
| 1214     | 100      | Unbiased            | 523.89     | 516.44      | -7.45   |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 521.38           | 528.05           | 537.55           | 7.5578           | 540.33            | 548.38            | 558.71            | 6.9977            | 14.622    | 20.329    | 25.716    | 4.6966    |
| 50       | 516.92           | 523.64           | 528.92           | 3.4008           | 541               | 547.58            | 553.45            | 3.8725            | 16.26     | 23.943    | 28.869    | 3.7149    |
| 100      | 516.92           | 523.64           | 528.92           | 3.4008           | 506.96            | 524.51            | 540.12            | 12.628            | -21.961   | 0.87125   | 17.657    | 12.779    |

Device Test: 19.26 ; RESET\_SLEW\_RATE\_RISE



Test Results (Lower Limit = 17.0 (V/μs))

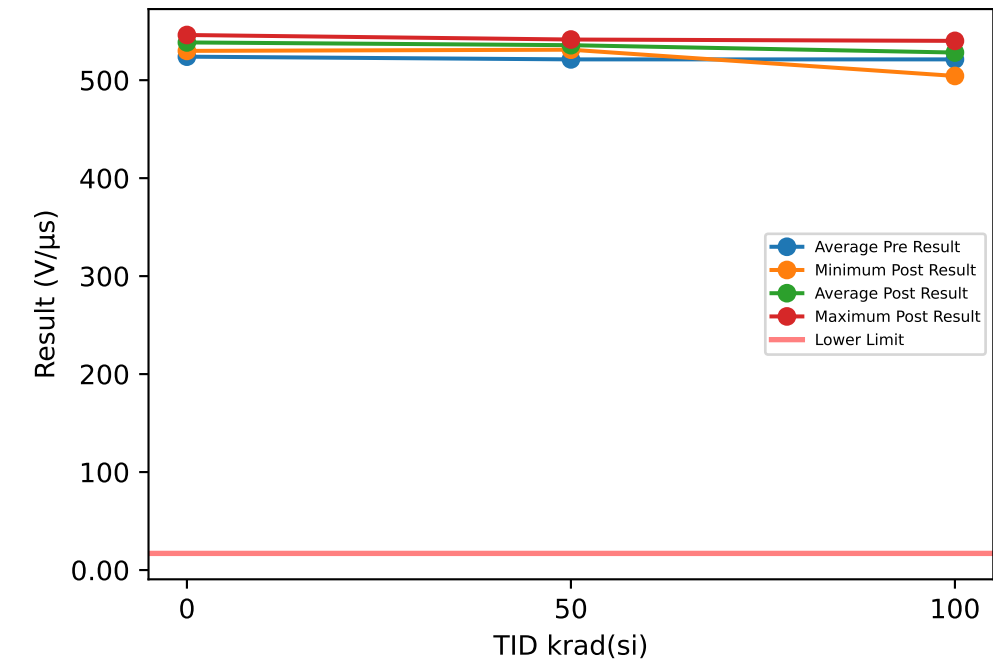
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta   |
|----------|----------|---------------------|------------|-------------|---------|
| 200      | 0        | Correlation         | 488.33     | 503.32      | 14.984  |
| 201      | 0        | Correlation         | 495.18     | 512.29      | 17.107  |
| 202      | 0        | Correlation         | 485.09     | 504.83      | 19.743  |
| 203      | 50       | Biased              | 483.39     | 501         | 17.617  |
| 204      | 50       | Biased              | 490.57     | 507.27      | 16.694  |
| 205      | 50       | Biased              | 485.42     | 500.7       | 15.284  |
| 206      | 50       | Biased              | 479.67     | 502.8       | 23.129  |
| 207      | 50       | Biased              | 487.32     | 501.41      | 14.09   |
| 208      | 50       | Biased              | 490.23     | 507.79      | 17.556  |
| 209      | 50       | Unbiased            | 487.07     | 506.85      | 19.783  |
| 210      | 50       | Unbiased            | 485.24     | 509.37      | 24.134  |
| 211      | 50       | Unbiased            | 484.01     | 497.4       | 13.393  |
| 212      | 50       | Unbiased            | 494.29     | 507.27      | 12.989  |
| 213      | 50       | Unbiased            | 481.57     | 502.07      | 20.5    |
| 214      | 50       | Unbiased            | 487.35     | 503.23      | 15.876  |
| 1200     | 0        | Correlation         | 488.33     | 481.73      | -6.607  |
| 1201     | 0        | Correlation         | 495.18     | 498.9       | 3.723   |
| 1202     | 0        | Correlation         | 485.09     | 480.75      | -4.338  |
| 1203     | 100      | Biased              | 483.39     | 495.91      | 12.525  |
| 1204     | 100      | Biased              | 490.57     | 504.77      | 14.196  |
| 1205     | 100      | Biased              | 485.42     | 484.16      | -1.259  |
| 1206     | 100      | Biased              | 479.67     | 492.17      | 12.502  |
| 1207     | 100      | Biased              | 487.32     | 496.86      | 9.54    |
| 1208     | 100      | Biased              | 490.23     | 487.14      | -3.091  |
| 1209     | 100      | Unbiased            | 487.07     | 503.76      | 16.691  |
| 1210     | 100      | Unbiased            | 485.24     | 508         | 22.761  |
| 1211     | 100      | Unbiased            | 484.01     | 497.73      | 13.716  |
| 1212     | 100      | Unbiased            | 494.29     | 483.32      | -10.966 |
| 1213     | 100      | Unbiased            | 481.57     | 479.7       | -1.868  |
| 1214     | 100      | Unbiased            | 487.35     | 497.22      | 9.865   |

### Test Statistics (V/ $\mu$ s)

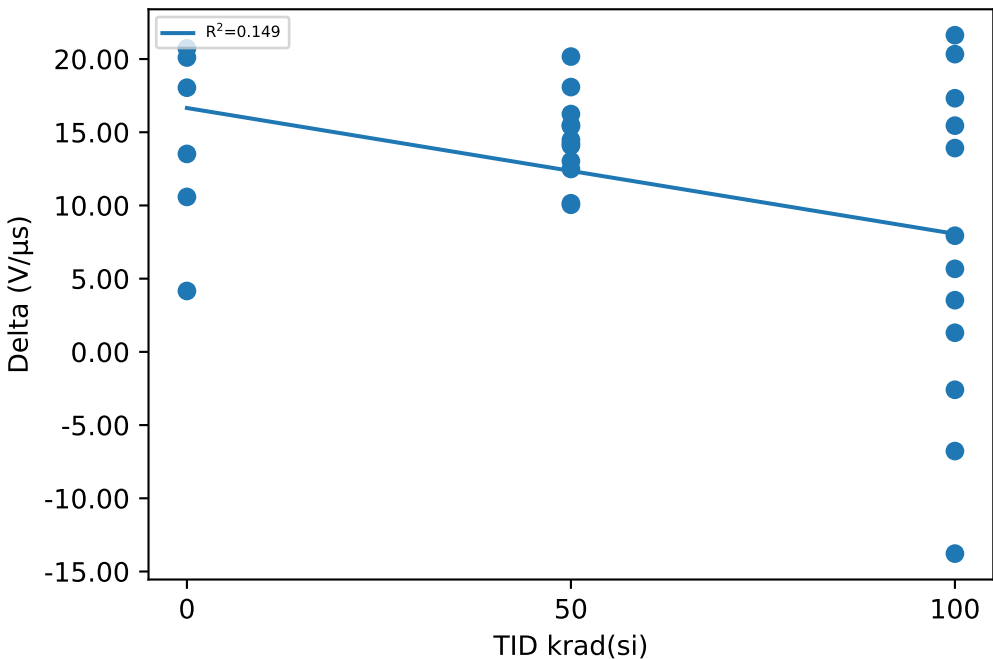
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 485.09           | 489.53           | 495.18           | 4.6071           | 480.75            | 496.97            | 512.29            | 12.929            | -6.607    | 7.4353    | 19.743    | 11.416    |
| 50       | 479.67           | 486.34           | 494.29           | 4.0697           | 497.4             | 503.93            | 509.37            | 3.6744            | 12.989    | 17.587    | 24.134    | 3.6541    |
| 100      | 479.67           | 486.34           | 494.29           | 4.0697           | 479.7             | 494.23            | 508               | 9.0878            | -10.966   | 7.8843    | 22.761    | 9.8937    |

Device Test: 19.27 ; RESET\_SLEW\_RATE\_RISE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 17.0 (V/μs))

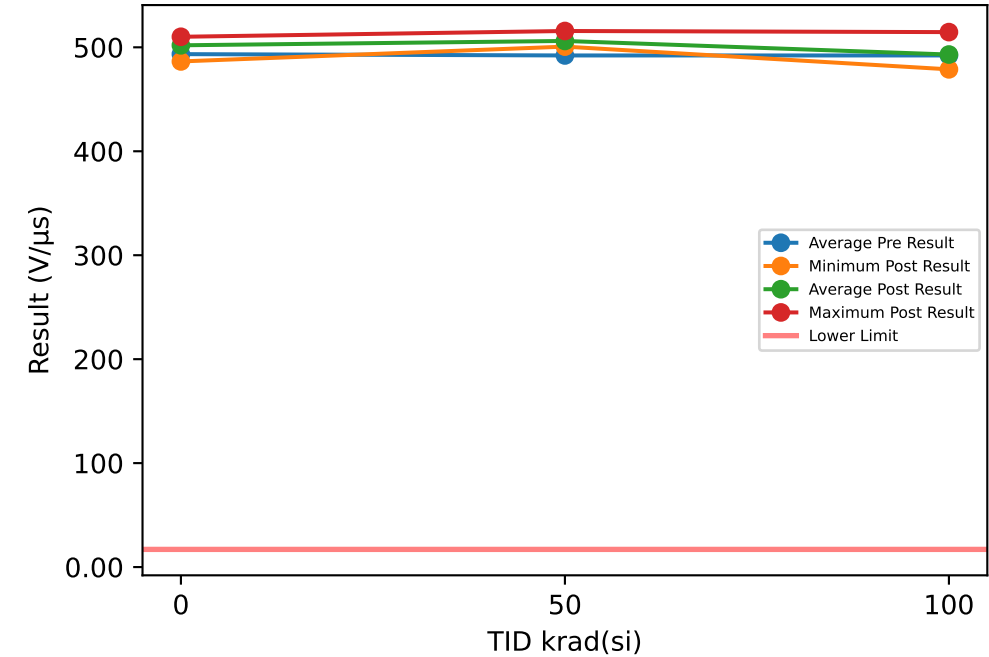
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta   |
|----------|----------|---------------------|------------|-------------|---------|
| 200      | 0        | Correlation         | 519.32     | 539.42      | 20.103  |
| 201      | 0        | Correlation         | 532.59     | 546.11      | 13.52   |
| 202      | 0        | Correlation         | 520.09     | 538.13      | 18.042  |
| 203      | 50       | Biased              | 519.41     | 534.82      | 15.41   |
| 204      | 50       | Biased              | 525.92     | 540.01      | 14.084  |
| 205      | 50       | Biased              | 513.01     | 531.09      | 18.085  |
| 206      | 50       | Biased              | 521.44     | 531.59      | 10.151  |
| 207      | 50       | Biased              | 513.8      | 533.97      | 20.168  |
| 208      | 50       | Biased              | 523.21     | 539.45      | 16.243  |
| 209      | 50       | Unbiased            | 526.18     | 538.67      | 12.491  |
| 210      | 50       | Unbiased            | 524.92     | 539.4       | 14.483  |
| 211      | 50       | Unbiased            | 518.09     | 531.12      | 13.024  |
| 212      | 50       | Unbiased            | 531.44     | 541.49      | 10.047  |
| 213      | 50       | Unbiased            | 518.49     | 533.98      | 15.497  |
| 214      | 50       | Unbiased            | 518.69     | 532.93      | 14.236  |
| 1200     | 0        | Correlation         | 519.32     | 529.9       | 10.582  |
| 1201     | 0        | Correlation         | 532.59     | 536.75      | 4.16    |
| 1202     | 0        | Correlation         | 520.09     | 540.81      | 20.725  |
| 1203     | 100      | Biased              | 519.41     | 534.86      | 15.451  |
| 1204     | 100      | Biased              | 525.92     | 529.45      | 3.529   |
| 1205     | 100      | Biased              | 513.01     | 510.42      | -2.589  |
| 1206     | 100      | Biased              | 521.44     | 538.76      | 17.323  |
| 1207     | 100      | Biased              | 513.8      | 534.13      | 20.334  |
| 1208     | 100      | Biased              | 523.21     | 524.51      | 1.306   |
| 1209     | 100      | Unbiased            | 526.18     | 531.86      | 5.672   |
| 1210     | 100      | Unbiased            | 524.92     | 532.85      | 7.934   |
| 1211     | 100      | Unbiased            | 518.09     | 504.32      | -13.777 |
| 1212     | 100      | Unbiased            | 531.44     | 524.67      | -6.774  |
| 1213     | 100      | Unbiased            | 518.49     | 540.11      | 21.628  |
| 1214     | 100      | Unbiased            | 518.69     | 532.61      | 13.919  |

Test Statistics (V/μs)

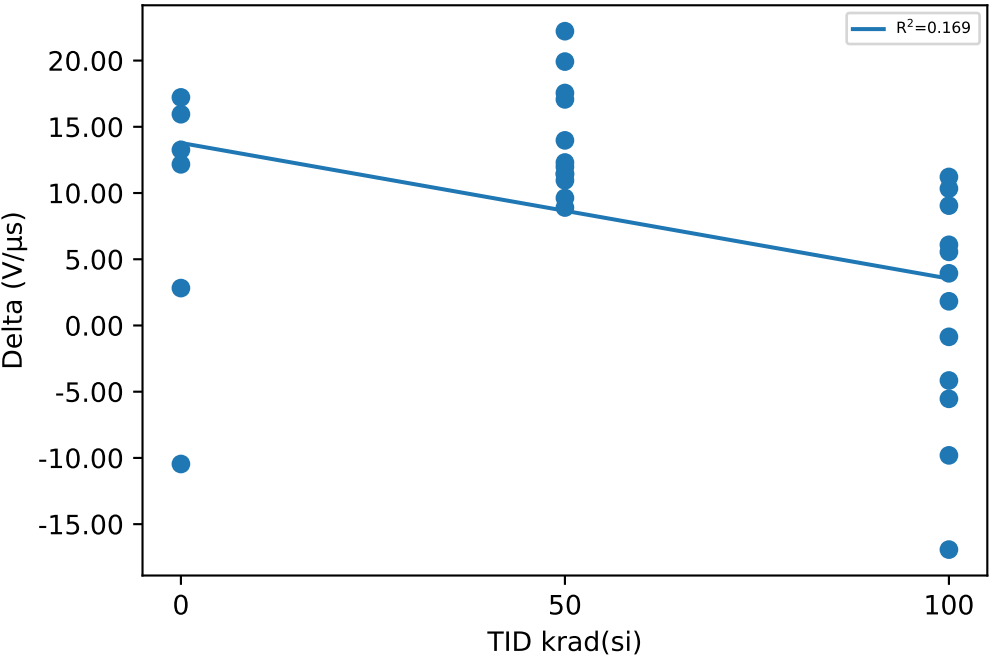
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 519.32           | 524              | 532.59           | 6.6637           | 529.9             | 538.52            | 546.11            | 5.315             | 4.16      | 14.522    | 20.725    | 6.4174    |
| 50       | 513.01           | 521.22           | 531.44           | 5.3797           | 531.09            | 535.71            | 541.49            | 3.8403            | 10.047    | 14.493    | 20.168    | 2.9394    |
| 100      | 513.01           | 521.22           | 531.44           | 5.3797           | 504.32            | 528.21            | 540.11            | 10.878            | -13.777   | 6.9963    | 21.628    | 11.193    |

Device Test: 19.28 ; PWRGD\_SLEW\_RATE\_RISE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 17.0 (V/μs))

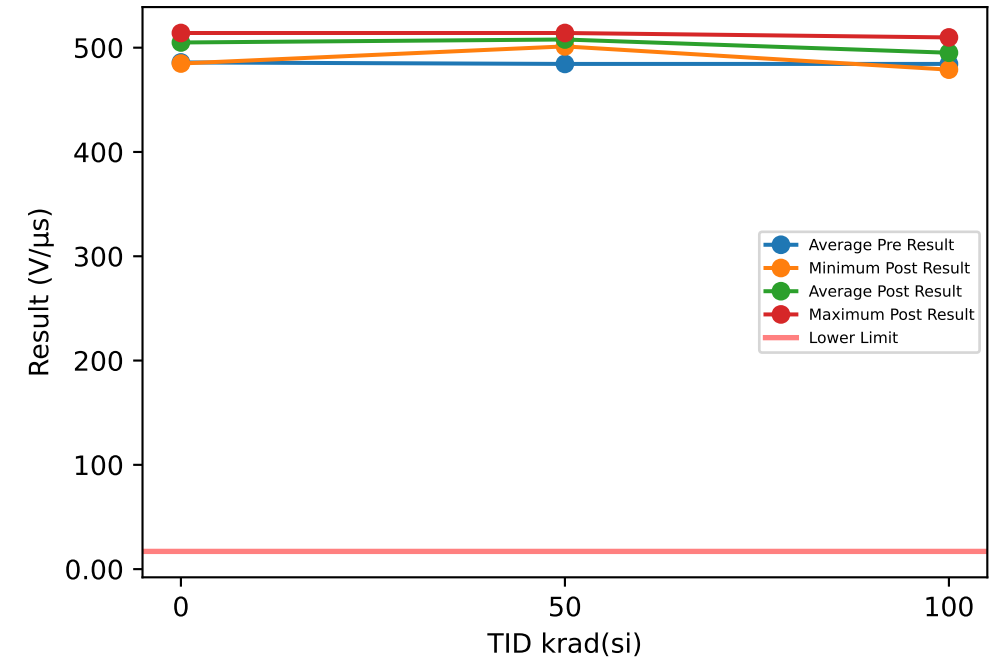
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta   |
|----------|----------|---------------------|------------|-------------|---------|
| 200      | 0        | Correlation         | 489.18     | 506.4       | 17.22   |
| 201      | 0        | Correlation         | 496.87     | 510.13      | 13.26   |
| 202      | 0        | Correlation         | 494.27     | 506.44      | 12.166  |
| 203      | 50       | Biased              | 486.96     | 509.17      | 22.218  |
| 204      | 50       | Biased              | 490.8      | 502.27      | 11.468  |
| 205      | 50       | Biased              | 491.04     | 500.67      | 9.625   |
| 206      | 50       | Biased              | 490.66     | 501.62      | 10.954  |
| 207      | 50       | Biased              | 491.29     | 508.36      | 17.069  |
| 208      | 50       | Biased              | 497.86     | 509.83      | 11.976  |
| 209      | 50       | Unbiased            | 489.08     | 503.06      | 13.976  |
| 210      | 50       | Unbiased            | 488.15     | 505.7       | 17.552  |
| 211      | 50       | Unbiased            | 492.55     | 504.85      | 12.305  |
| 212      | 50       | Unbiased            | 504.29     | 515.7       | 11.408  |
| 213      | 50       | Unbiased            | 495.74     | 504.64      | 8.904   |
| 214      | 50       | Unbiased            | 487.64     | 507.57      | 19.924  |
| 1200     | 0        | Correlation         | 489.18     | 505.13      | 15.949  |
| 1201     | 0        | Correlation         | 496.87     | 486.41      | -10.458 |
| 1202     | 0        | Correlation         | 494.27     | 497.1       | 2.823   |
| 1203     | 100      | Biased              | 486.96     | 482.8       | -4.153  |
| 1204     | 100      | Biased              | 490.8      | 496.89      | 6.09    |
| 1205     | 100      | Biased              | 491.04     | 496.6       | 5.559   |
| 1206     | 100      | Biased              | 490.66     | 501.88      | 11.214  |
| 1207     | 100      | Biased              | 491.29     | 485.75      | -5.538  |
| 1208     | 100      | Biased              | 497.86     | 497         | -0.857  |
| 1209     | 100      | Unbiased            | 489.08     | 479.27      | -9.806  |
| 1210     | 100      | Unbiased            | 488.15     | 492.09      | 3.939   |
| 1211     | 100      | Unbiased            | 492.55     | 494.37      | 1.826   |
| 1212     | 100      | Unbiased            | 504.29     | 514.62      | 10.336  |
| 1213     | 100      | Unbiased            | 495.74     | 478.81      | -16.921 |
| 1214     | 100      | Unbiased            | 487.64     | 496.69      | 9.048   |

Test Statistics (V/μs)

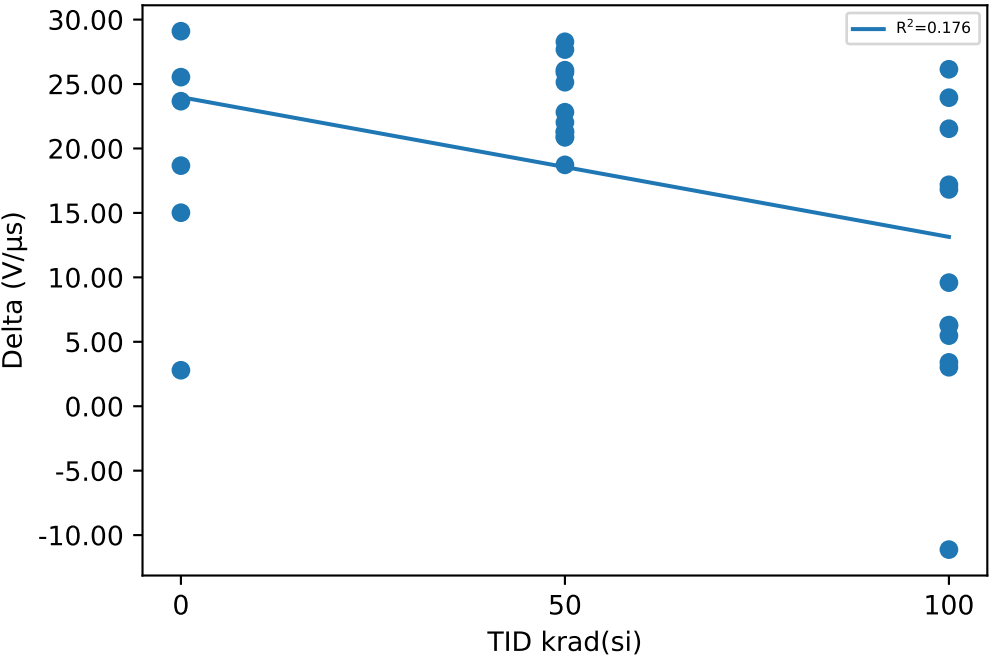
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 489.18           | 493.44           | 496.87           | 3.5008           | 486.41            | 501.93            | 510.13            | 8.7396            | -10.458   | 8.4933    | 17.22     | 10.576    |
| 50       | 486.96           | 492.17           | 504.29           | 4.9685           | 500.67            | 506.12            | 515.7             | 4.2652            | 8.904     | 13.948    | 22.218    | 4.2546    |
| 100      | 486.96           | 492.17           | 504.29           | 4.9685           | 478.81            | 493.07            | 514.62            | 10.238            | -16.921   | 0.89475   | 11.214    | 8.6488    |

Device Test: 19.29 ; WDO\_SLEW\_RATE\_RISE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 17.0 (V/μs))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta   |
|----------|----------|---------------------|------------|-------------|---------|
| 200      | 0        | Correlation         | 482.01     | 511.11      | 29.1    |
| 201      | 0        | Correlation         | 488.55     | 514.08      | 25.534  |
| 202      | 0        | Correlation         | 486.99     | 510.66      | 23.668  |
| 203      | 50       | Biased              | 483.69     | 508.83      | 25.14   |
| 204      | 50       | Biased              | 490.03     | 508.76      | 18.728  |
| 205      | 50       | Biased              | 476.12     | 503.8       | 27.672  |
| 206      | 50       | Biased              | 484.36     | 505.25      | 20.888  |
| 207      | 50       | Biased              | 479.21     | 501.23      | 22.026  |
| 208      | 50       | Biased              | 484.63     | 512.91      | 28.279  |
| 209      | 50       | Unbiased            | 485.77     | 511.84      | 26.075  |
| 210      | 50       | Unbiased            | 490.06     | 510.93      | 20.871  |
| 211      | 50       | Unbiased            | 482.01     | 503.34      | 21.325  |
| 212      | 50       | Unbiased            | 488.17     | 514.08      | 25.905  |
| 213      | 50       | Unbiased            | 484.13     | 505.38      | 21.249  |
| 214      | 50       | Unbiased            | 484.96     | 507.77      | 22.815  |
| 1200     | 0        | Correlation         | 482.01     | 484.81      | 2.792   |
| 1201     | 0        | Correlation         | 488.55     | 503.56      | 15.016  |
| 1202     | 0        | Correlation         | 486.99     | 505.66      | 18.668  |
| 1203     | 100      | Biased              | 483.69     | 509.84      | 26.146  |
| 1204     | 100      | Biased              | 490.03     | 493.06      | 3.025   |
| 1205     | 100      | Biased              | 476.12     | 500.06      | 23.941  |
| 1206     | 100      | Biased              | 484.36     | 487.76      | 3.402   |
| 1207     | 100      | Biased              | 479.21     | 485.5       | 6.296   |
| 1208     | 100      | Biased              | 484.63     | 501.81      | 17.183  |
| 1209     | 100      | Unbiased            | 485.77     | 495.36      | 9.591   |
| 1210     | 100      | Unbiased            | 490.06     | 478.93      | -11.124 |
| 1211     | 100      | Unbiased            | 482.01     | 488.27      | 6.261   |
| 1212     | 100      | Unbiased            | 488.17     | 505         | 16.821  |
| 1213     | 100      | Unbiased            | 484.13     | 505.67      | 21.533  |
| 1214     | 100      | Unbiased            | 484.96     | 490.44      | 5.477   |

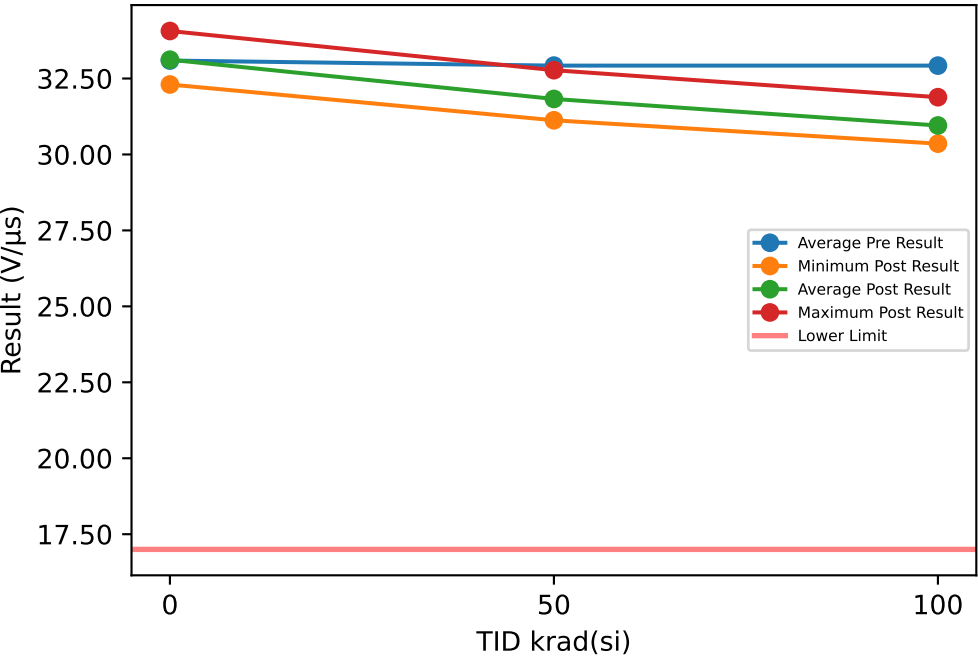
Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 482.01           | 485.85           | 488.55           | 3.0519           | 484.81            | 504.98            | 514.08            | 10.603            | 2.792     | 19.13     | 29.1      | 9.4348    |
| 50       | 476.12           | 484.43           | 490.06           | 4.0666           | 501.23            | 507.84            | 514.08            | 4.1011            | 18.728    | 23.414    | 28.279    | 3.0779    |
| 100      | 476.12           | 484.43           | 490.06           | 4.0666           | 478.93            | 495.14            | 509.84            | 9.4216            | -11.124   | 10.713    | 26.146    | 10.731    |



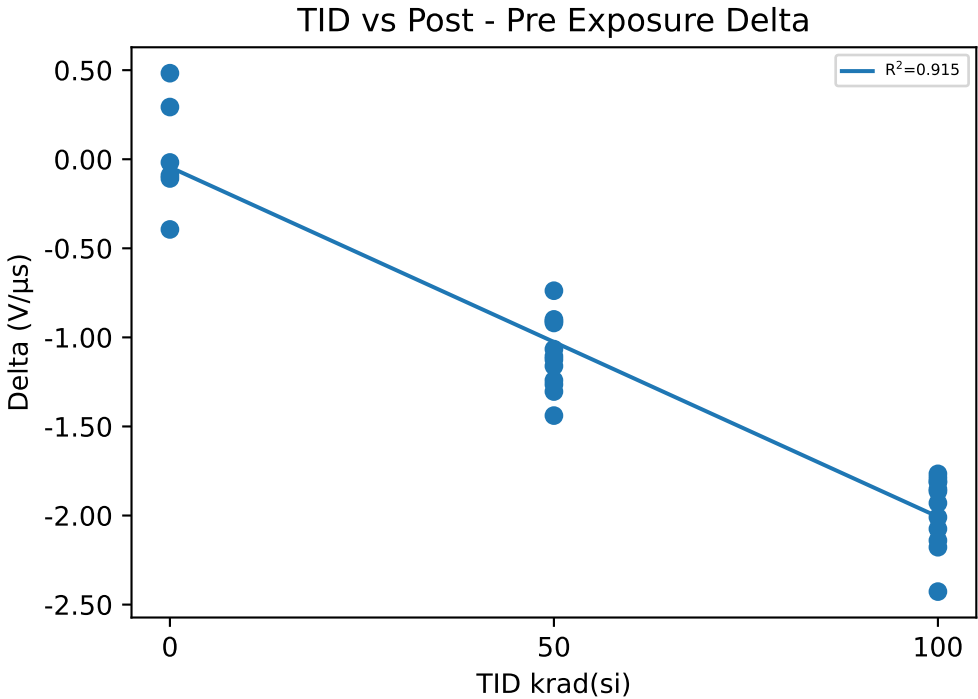
Device Test: 19.3 ; RESET\_SLEW\_RATE\_RISE

TID vs Result Stats



Test Results (Lower Limit = 17.0 (V/μs))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 32.996     | 32.978      | -0.018 |
| 201      | 0        | Correlation         | 33.581     | 33.874      | 0.293  |
| 202      | 0        | Correlation         | 32.697     | 32.589      | -0.108 |
| 203      | 50       | Biased              | 32.871     | 31.607      | -1.264 |
| 204      | 50       | Biased              | 33.672     | 32.233      | -1.439 |
| 205      | 50       | Biased              | 32.425     | 31.319      | -1.106 |
| 206      | 50       | Biased              | 32.653     | 31.349      | -1.304 |
| 207      | 50       | Biased              | 32.694     | 31.533      | -1.161 |
| 208      | 50       | Biased              | 33.425     | 32.301      | -1.124 |
| 209      | 50       | Unbiased            | 32.823     | 31.914      | -0.909 |
| 210      | 50       | Unbiased            | 32.868     | 32.13       | -0.738 |
| 211      | 50       | Unbiased            | 32.366     | 31.125      | -1.241 |
| 212      | 50       | Unbiased            | 33.693     | 32.774      | -0.919 |
| 213      | 50       | Unbiased            | 32.766     | 31.7        | -1.066 |
| 214      | 50       | Unbiased            | 32.84      | 31.941      | -0.899 |
| 1200     | 0        | Correlation         | 32.996     | 32.905      | -0.091 |
| 1201     | 0        | Correlation         | 33.581     | 34.064      | 0.483  |
| 1202     | 0        | Correlation         | 32.697     | 32.303      | -0.394 |
| 1203     | 100      | Biased              | 32.871     | 30.941      | -1.93  |
| 1204     | 100      | Biased              | 33.672     | 31.245      | -2.427 |
| 1205     | 100      | Biased              | 32.425     | 30.561      | -1.864 |
| 1206     | 100      | Biased              | 32.653     | 30.513      | -2.14  |
| 1207     | 100      | Biased              | 32.694     | 30.906      | -1.788 |
| 1208     | 100      | Biased              | 33.425     | 31.35       | -2.075 |
| 1209     | 100      | Unbiased            | 32.823     | 30.645      | -2.178 |
| 1210     | 100      | Unbiased            | 32.868     | 31.055      | -1.813 |
| 1211     | 100      | Unbiased            | 32.366     | 30.356      | -2.01  |
| 1212     | 100      | Unbiased            | 33.693     | 31.885      | -1.808 |
| 1213     | 100      | Unbiased            | 32.766     | 30.914      | -1.852 |
| 1214     | 100      | Unbiased            | 32.84      | 31.074      | -1.766 |

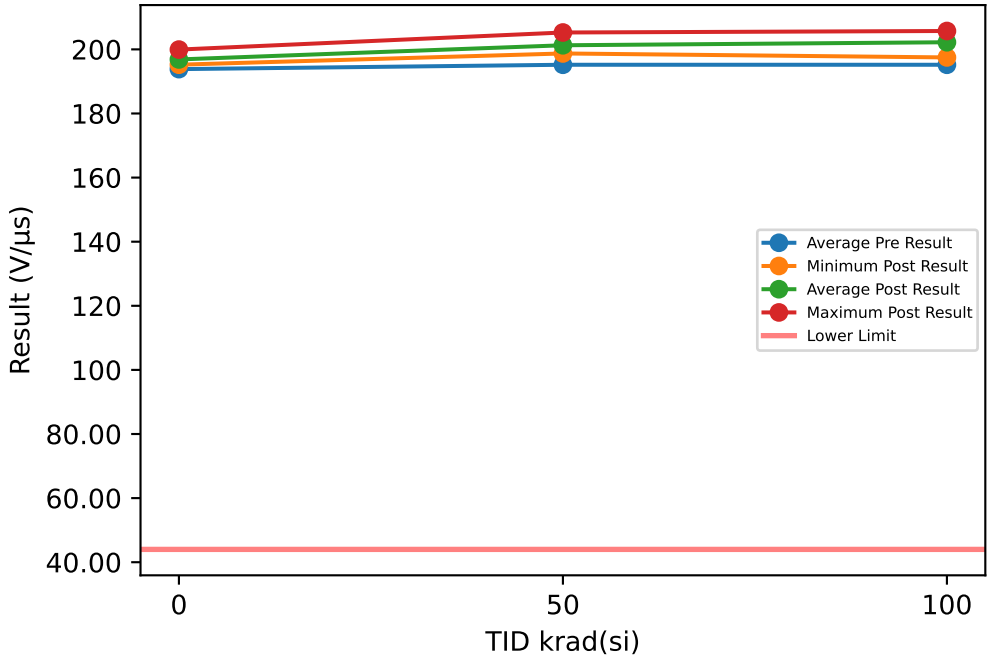


Test Statistics (V/μs)

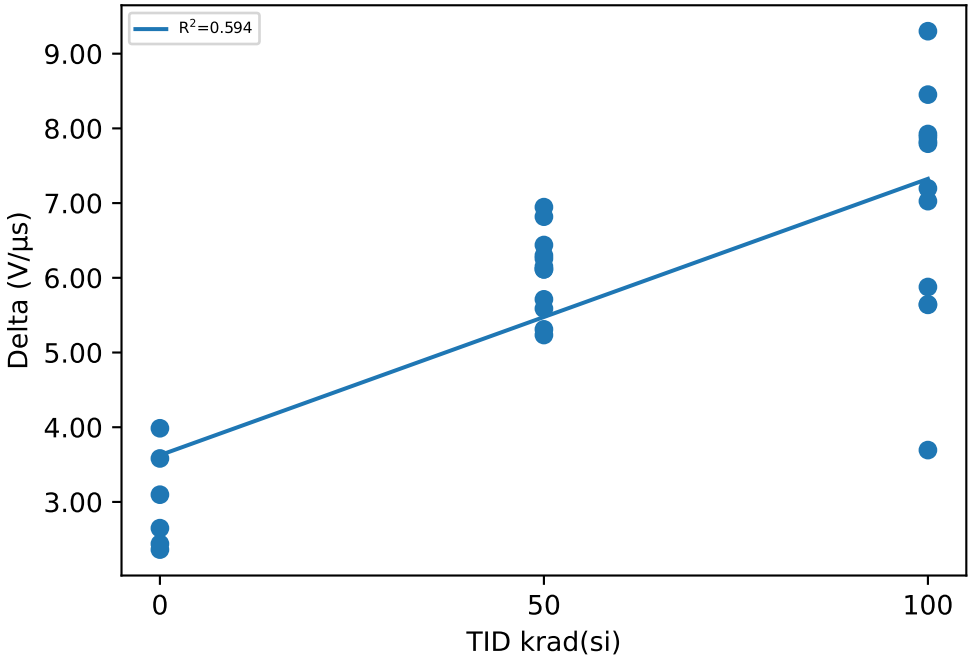
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 32.697           | 33.091           | 33.581           | 0.40217          | 32.303            | 33.119            | 34.064            | 0.70363           | -0.394    | 0.0275    | 0.483     | 0.31308   |
| 50       | 32.366           | 32.925           | 33.693           | 0.44074          | 31.125            | 31.827            | 32.774            | 0.47949           | -1.439    | -1.0975   | -0.738    | 0.20213   |
| 100      | 32.366           | 32.925           | 33.693           | 0.44074          | 30.356            | 30.954            | 31.885            | 0.41984           | -2.427    | -1.9709   | -1.766    | 0.20136   |

Device Test: 19.30 ; RESET\_SLEW\_RATE\_FALL

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 44.0 (V/μs))

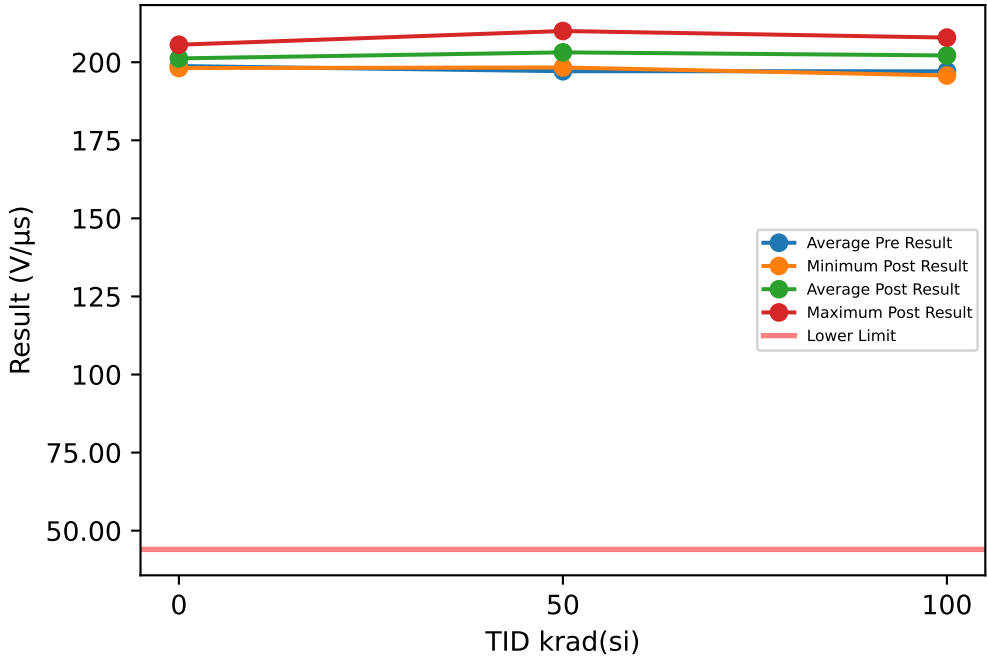
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|----------|----------|---------------------|------------|-------------|-------|
| 200      | 0        | Correlation         | 192.71     | 195.81      | 3.097 |
| 201      | 0        | Correlation         | 195.95     | 199.94      | 3.986 |
| 202      | 0        | Correlation         | 192.86     | 195.3       | 2.439 |
| 203      | 50       | Biased              | 192.82     | 199.07      | 6.258 |
| 204      | 50       | Biased              | 196.99     | 203.94      | 6.946 |
| 205      | 50       | Biased              | 194.21     | 200.32      | 6.113 |
| 206      | 50       | Biased              | 196.43     | 202.73      | 6.299 |
| 207      | 50       | Biased              | 193.8      | 199.51      | 5.712 |
| 208      | 50       | Biased              | 192.61     | 198.73      | 6.114 |
| 209      | 50       | Unbiased            | 198.65     | 204.24      | 5.588 |
| 210      | 50       | Unbiased            | 199.12     | 205.27      | 6.15  |
| 211      | 50       | Unbiased            | 193.93     | 200.37      | 6.439 |
| 212      | 50       | Unbiased            | 197.48     | 202.72      | 5.234 |
| 213      | 50       | Unbiased            | 194.23     | 199.54      | 5.31  |
| 214      | 50       | Unbiased            | 192.14     | 198.96      | 6.818 |
| 1200     | 0        | Correlation         | 192.71     | 195.36      | 2.649 |
| 1201     | 0        | Correlation         | 195.95     | 199.53      | 3.582 |
| 1202     | 0        | Correlation         | 192.86     | 195.22      | 2.362 |
| 1203     | 100      | Biased              | 192.82     | 200.61      | 7.795 |
| 1204     | 100      | Biased              | 196.99     | 202.87      | 5.877 |
| 1205     | 100      | Biased              | 194.21     | 202.03      | 7.824 |
| 1206     | 100      | Biased              | 196.43     | 205.74      | 9.301 |
| 1207     | 100      | Biased              | 193.8      | 197.49      | 3.694 |
| 1208     | 100      | Biased              | 192.61     | 200.54      | 7.925 |
| 1209     | 100      | Unbiased            | 198.65     | 204.3       | 5.645 |
| 1210     | 100      | Unbiased            | 199.12     | 204.76      | 5.638 |
| 1211     | 100      | Unbiased            | 193.93     | 200.96      | 7.026 |
| 1212     | 100      | Unbiased            | 197.48     | 205.37      | 7.886 |
| 1213     | 100      | Unbiased            | 194.23     | 202.68      | 8.452 |
| 1214     | 100      | Unbiased            | 192.14     | 199.34      | 7.197 |

Test Statistics (V/μs)

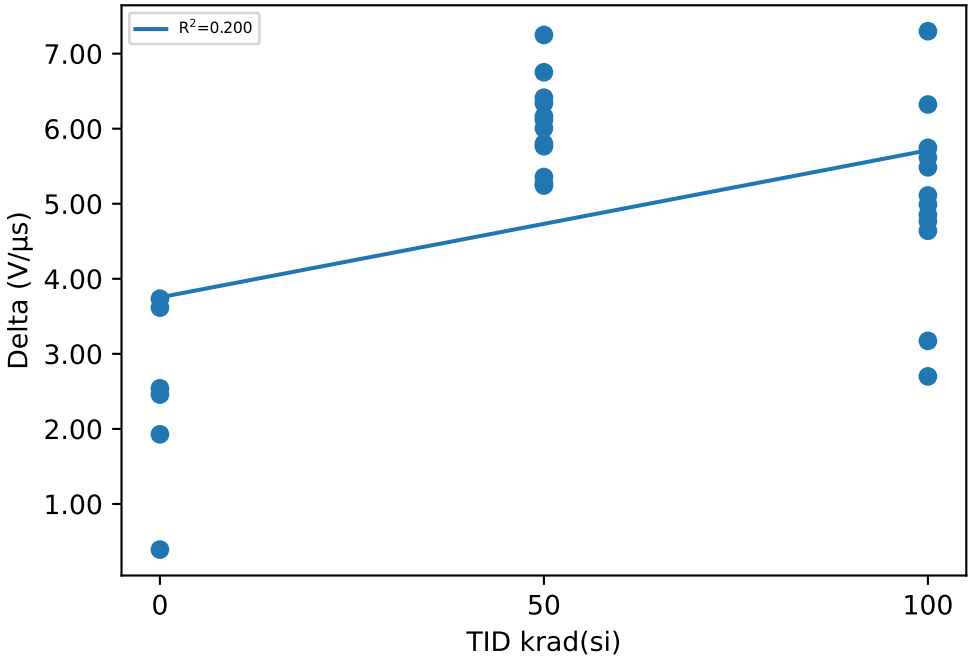
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 192.71           | 193.84           | 195.95           | 1.6373           | 195.22            | 196.86            | 199.94            | 2.2414            | 2.362     | 3.0192    | 3.986     | 0.65774   |
| 50       | 192.14           | 195.2            | 199.12           | 2.4209           | 198.73            | 201.28            | 205.27            | 2.3475            | 5.234     | 6.0818    | 6.946     | 0.53905   |
| 100      | 192.14           | 195.2            | 199.12           | 2.4209           | 197.49            | 202.22            | 205.74            | 2.5474            | 3.694     | 7.0217    | 9.301     | 1.5454    |

Device Test: 19.31 ; RESET\_SLEW\_RATE\_FALL

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 44.0 (V/μs))

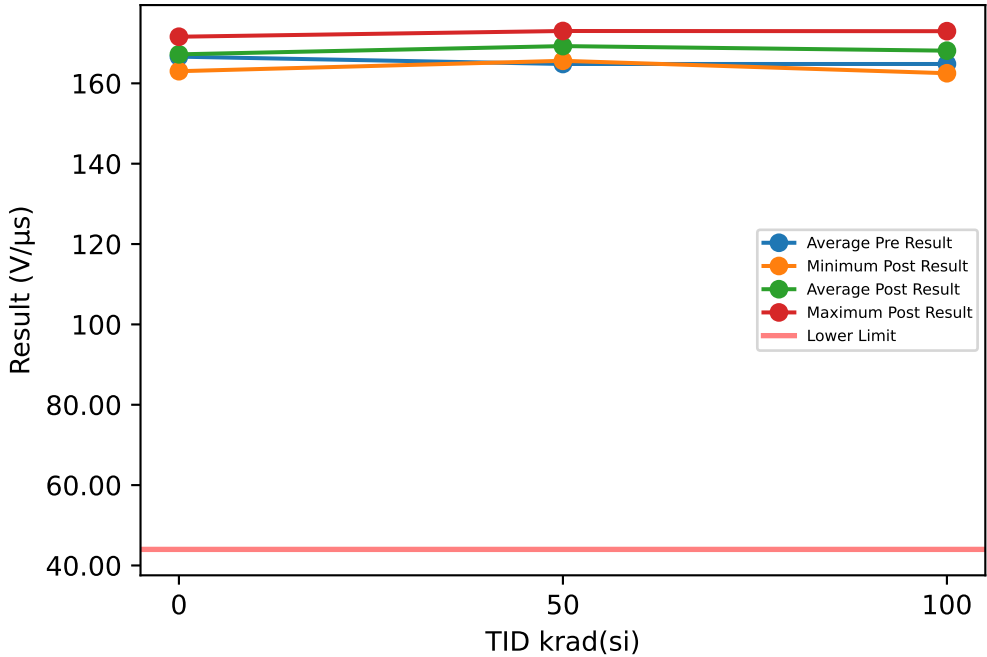
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|----------|----------|---------------------|------------|-------------|-------|
| 200      | 0        | Correlation         | 196.21     | 198.67      | 2.458 |
| 201      | 0        | Correlation         | 198.17     | 201.91      | 3.735 |
| 202      | 0        | Correlation         | 201.99     | 205.61      | 3.616 |
| 203      | 50       | Biased              | 195.44     | 201.61      | 6.164 |
| 204      | 50       | Biased              | 199.35     | 206.6       | 7.249 |
| 205      | 50       | Biased              | 193.06     | 198.32      | 5.27  |
| 206      | 50       | Biased              | 197.04     | 203.45      | 6.413 |
| 207      | 50       | Biased              | 196.2      | 201.55      | 5.356 |
| 208      | 50       | Biased              | 194.59     | 200.71      | 6.118 |
| 209      | 50       | Unbiased            | 203.25     | 210.01      | 6.752 |
| 210      | 50       | Unbiased            | 198.62     | 204.42      | 5.801 |
| 211      | 50       | Unbiased            | 194.32     | 200.66      | 6.339 |
| 212      | 50       | Unbiased            | 199.3      | 205.3       | 6.006 |
| 213      | 50       | Unbiased            | 193.91     | 199.16      | 5.243 |
| 214      | 50       | Unbiased            | 200.4      | 206.16      | 5.766 |
| 1200     | 0        | Correlation         | 196.21     | 198.14      | 1.928 |
| 1201     | 0        | Correlation         | 198.17     | 200.71      | 2.541 |
| 1202     | 0        | Correlation         | 201.99     | 202.38      | 0.392 |
| 1203     | 100      | Biased              | 195.44     | 198.62      | 3.173 |
| 1204     | 100      | Biased              | 199.35     | 204.84      | 5.485 |
| 1205     | 100      | Biased              | 193.06     | 195.75      | 2.7   |
| 1206     | 100      | Biased              | 197.04     | 202.65      | 5.615 |
| 1207     | 100      | Biased              | 196.2      | 201.94      | 5.745 |
| 1208     | 100      | Biased              | 194.59     | 200.91      | 6.322 |
| 1209     | 100      | Unbiased            | 203.25     | 207.9       | 4.64  |
| 1210     | 100      | Unbiased            | 198.62     | 203.47      | 4.853 |
| 1211     | 100      | Unbiased            | 194.32     | 201.62      | 7.299 |
| 1212     | 100      | Unbiased            | 199.3      | 204.06      | 4.767 |
| 1213     | 100      | Unbiased            | 193.91     | 199.03      | 5.111 |
| 1214     | 100      | Unbiased            | 200.4      | 205.39      | 4.99  |

Test Statistics (V/μs)

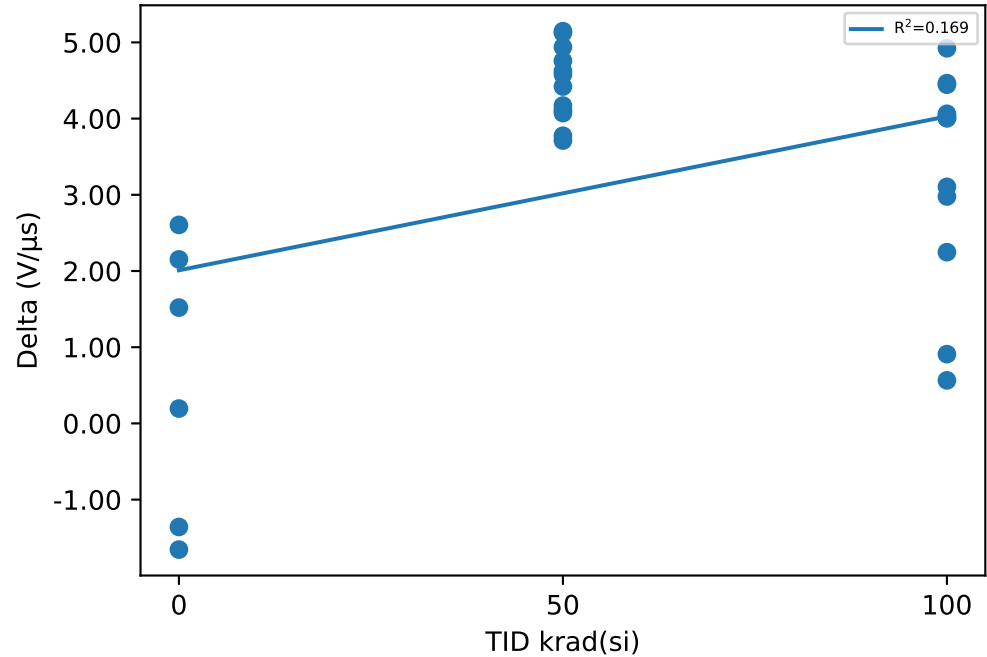
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 196.21           | 198.79           | 201.99           | 2.6314           | 198.14            | 201.24            | 205.61            | 2.7343            | 0.392     | 2.445     | 3.735     | 1.2269    |
| 50       | 193.06           | 197.12           | 203.25           | 3.0906           | 198.32            | 203.16            | 210.01            | 3.4467            | 5.243     | 6.0398    | 7.249     | 0.60662   |
| 100      | 193.06           | 197.12           | 203.25           | 3.0906           | 195.75            | 202.18            | 207.9             | 3.3217            | 2.7       | 5.0583    | 7.299     | 1.2434    |

Device Test: 19.32 ; RESET\_SLEW\_RATE\_FALL

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 44.0 (V/μs))

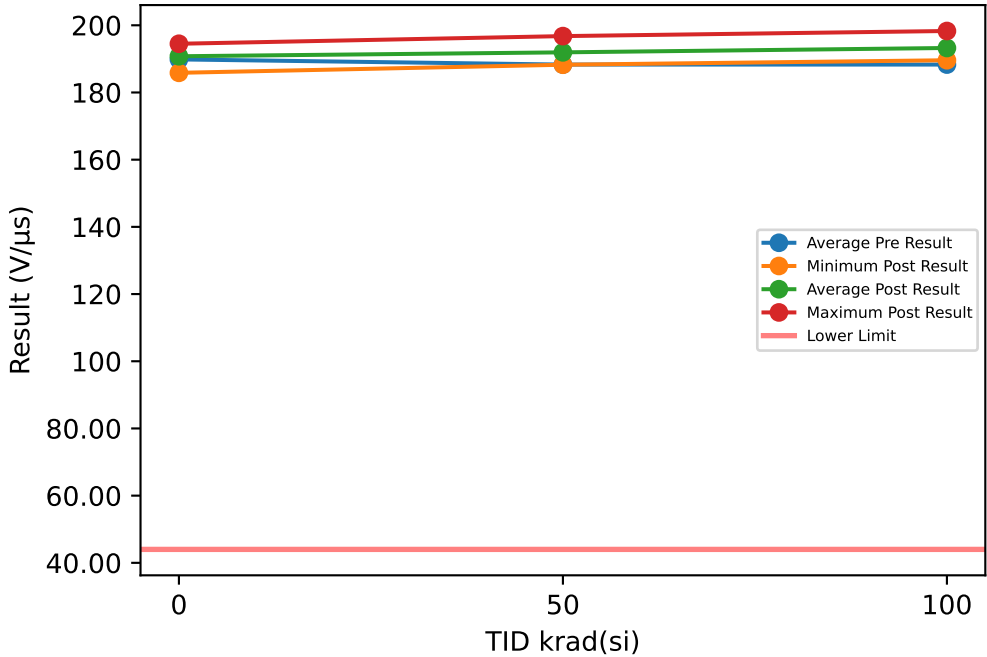
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 164.68     | 166.2       | 1.52   |
| 201      | 0        | Correlation         | 166.25     | 168.4       | 2.152  |
| 202      | 0        | Correlation         | 169        | 171.6       | 2.605  |
| 203      | 50       | Biased              | 162.7      | 167.64      | 4.939  |
| 204      | 50       | Biased              | 167.88     | 173.01      | 5.126  |
| 205      | 50       | Biased              | 161.61     | 165.78      | 4.171  |
| 206      | 50       | Biased              | 164.38     | 169.52      | 5.147  |
| 207      | 50       | Biased              | 164.21     | 168.63      | 4.421  |
| 208      | 50       | Biased              | 162.73     | 167.31      | 4.578  |
| 209      | 50       | Unbiased            | 168.92     | 173.03      | 4.11   |
| 210      | 50       | Unbiased            | 166.76     | 170.54      | 3.775  |
| 211      | 50       | Unbiased            | 162.2      | 166.82      | 4.623  |
| 212      | 50       | Unbiased            | 166.98     | 171.73      | 4.757  |
| 213      | 50       | Unbiased            | 161.54     | 165.61      | 4.072  |
| 214      | 50       | Unbiased            | 167.92     | 171.63      | 3.712  |
| 1200     | 0        | Correlation         | 164.68     | 163.02      | -1.656 |
| 1201     | 0        | Correlation         | 166.25     | 166.44      | 0.195  |
| 1202     | 0        | Correlation         | 169        | 167.64      | -1.359 |
| 1203     | 100      | Biased              | 162.7      | 165.68      | 2.978  |
| 1204     | 100      | Biased              | 167.88     | 172.81      | 4.923  |
| 1205     | 100      | Biased              | 161.61     | 162.51      | 0.909  |
| 1206     | 100      | Biased              | 164.38     | 168.82      | 4.445  |
| 1207     | 100      | Biased              | 164.21     | 166.45      | 2.247  |
| 1208     | 100      | Biased              | 162.73     | 166.73      | 4.006  |
| 1209     | 100      | Unbiased            | 168.92     | 172.98      | 4.063  |
| 1210     | 100      | Unbiased            | 166.76     | 167.33      | 0.565  |
| 1211     | 100      | Unbiased            | 162.2      | 165.3       | 3.104  |
| 1212     | 100      | Unbiased            | 166.98     | 170.98      | 4.006  |
| 1213     | 100      | Unbiased            | 161.54     | 166         | 4.465  |
| 1214     | 100      | Unbiased            | 167.92     | 171.95      | 4.035  |

Test Statistics (V/μs)

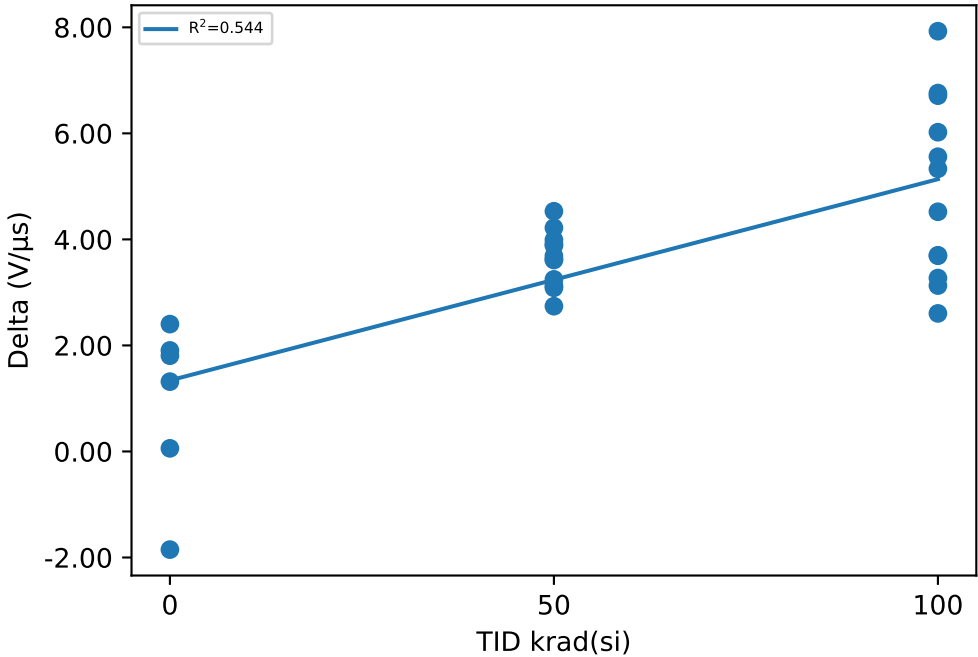
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 164.68           | 166.64           | 169              | 1.9562           | 163.02            | 167.22            | 171.6             | 2.8306            | -1.656    | 0.57617   | 2.605     | 1.809     |
| 50       | 161.54           | 164.82           | 168.92           | 2.7238           | 165.61            | 169.27            | 173.03            | 2.6956            | 3.712     | 4.4526    | 5.147     | 0.49173   |
| 100      | 161.54           | 164.82           | 168.92           | 2.7238           | 162.51            | 168.13            | 172.98            | 3.3584            | 0.565     | 3.3122    | 4.923     | 1.41      |

Device Test: 19.33 ; RESET\_SLEW\_RATE\_FALL

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 44.0 (V/μs))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 187.7      | 189.02      | 1.317  |
| 201      | 0        | Correlation         | 189.23     | 191.04      | 1.806  |
| 202      | 0        | Correlation         | 192.59     | 194.5       | 1.906  |
| 203      | 50       | Biased              | 186.33     | 189.94      | 3.611  |
| 204      | 50       | Biased              | 192.02     | 195.9       | 3.883  |
| 205      | 50       | Biased              | 185.24     | 188.49      | 3.246  |
| 206      | 50       | Biased              | 188.84     | 191.58      | 2.74   |
| 207      | 50       | Biased              | 186.49     | 189.61      | 3.125  |
| 208      | 50       | Biased              | 185.9      | 189.53      | 3.625  |
| 209      | 50       | Unbiased            | 193.69     | 196.78      | 3.087  |
| 210      | 50       | Unbiased            | 190.06     | 194.05      | 3.991  |
| 211      | 50       | Unbiased            | 185.3      | 189.21      | 3.911  |
| 212      | 50       | Unbiased            | 190.37     | 194.9       | 4.531  |
| 213      | 50       | Unbiased            | 184.57     | 188.26      | 3.689  |
| 214      | 50       | Unbiased            | 190.87     | 195.09      | 4.219  |
| 1200     | 0        | Correlation         | 187.7      | 185.85      | -1.851 |
| 1201     | 0        | Correlation         | 189.23     | 191.64      | 2.402  |
| 1202     | 0        | Correlation         | 192.59     | 192.65      | 0.059  |
| 1203     | 100      | Biased              | 186.33     | 193.04      | 6.711  |
| 1204     | 100      | Biased              | 192.02     | 195.15      | 3.129  |
| 1205     | 100      | Biased              | 185.24     | 190.8       | 5.559  |
| 1206     | 100      | Biased              | 188.84     | 193.36      | 4.521  |
| 1207     | 100      | Biased              | 186.49     | 189.76      | 3.271  |
| 1208     | 100      | Biased              | 185.9      | 189.6       | 3.692  |
| 1209     | 100      | Unbiased            | 193.69     | 196.3       | 2.604  |
| 1210     | 100      | Unbiased            | 190.06     | 196.08      | 6.022  |
| 1211     | 100      | Unbiased            | 185.3      | 192.06      | 6.76   |
| 1212     | 100      | Unbiased            | 190.37     | 198.3       | 7.927  |
| 1213     | 100      | Unbiased            | 184.57     | 189.9       | 5.332  |
| 1214     | 100      | Unbiased            | 190.87     | 194.57      | 3.7    |

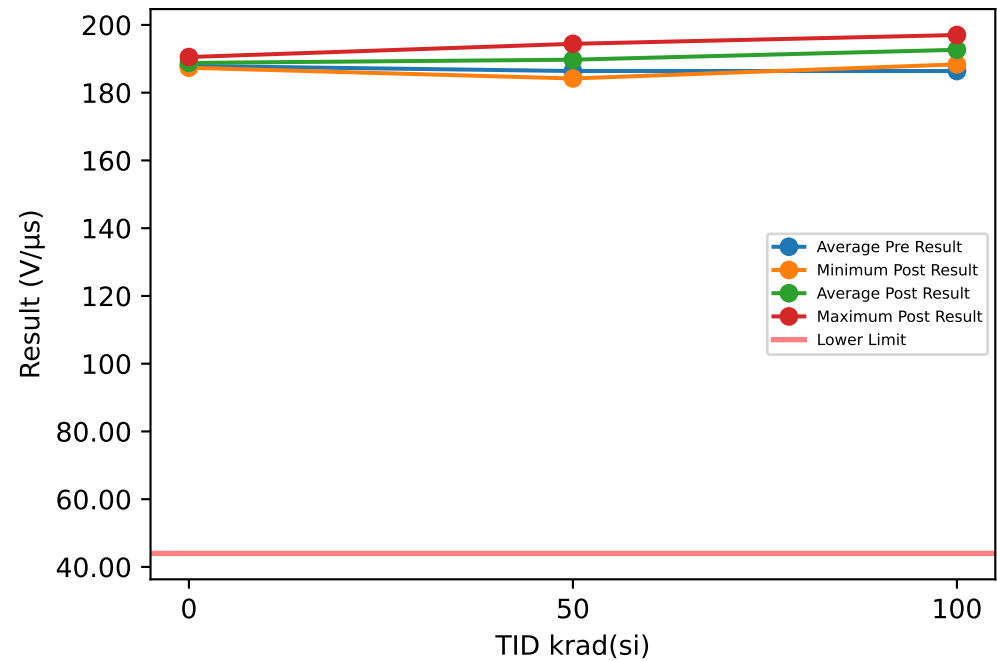
Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 187.7            | 189.84           | 192.59           | 2.239            | 185.85            | 190.78            | 194.5             | 3.0189            | -1.851    | 0.93983   | 2.402     | 1.5829    |
| 50       | 184.57           | 188.31           | 193.69           | 3.0513           | 188.26            | 191.95            | 196.78            | 3.1707            | 2.74      | 3.6382    | 4.531     | 0.51562   |
| 100      | 184.57           | 188.31           | 193.69           | 3.0513           | 189.6             | 193.24            | 198.3             | 2.8983            | 2.604     | 4.9357    | 7.927     | 1.7022    |

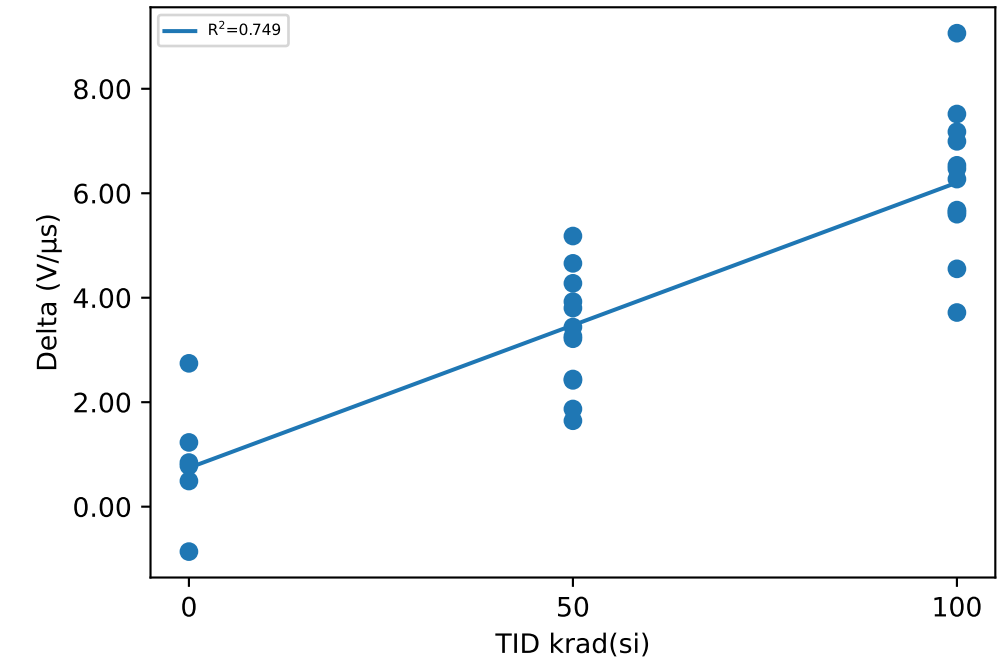


Device Test: 19.34 ; PWRGD\_SLEW\_RATE\_FALL

TID vs Result Stats



TID vs Post - Pre Exposure Delta



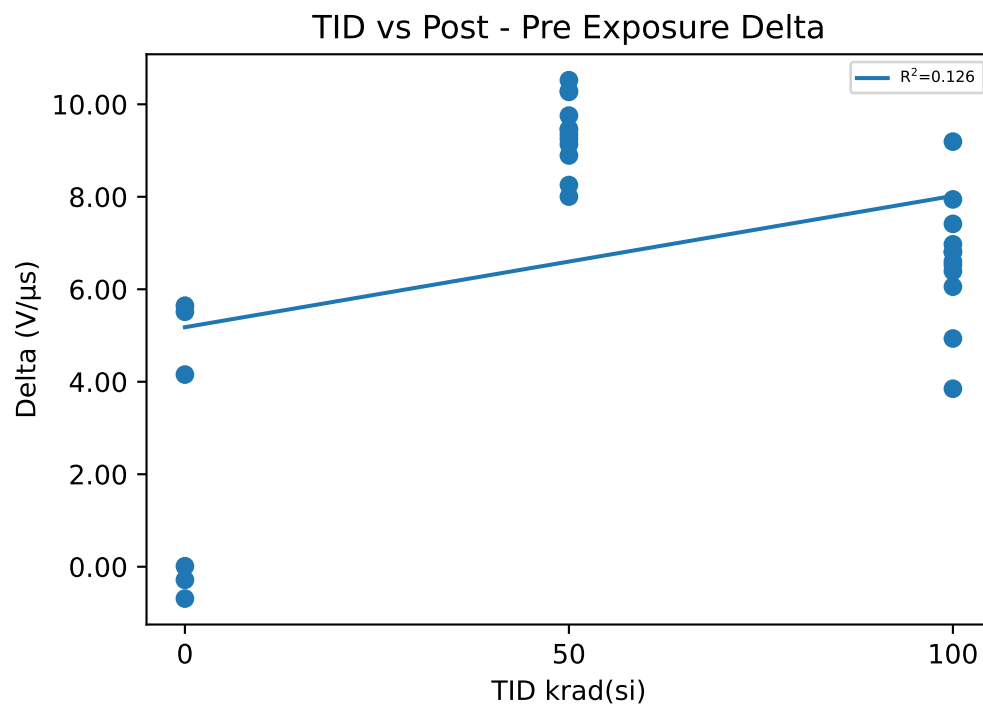
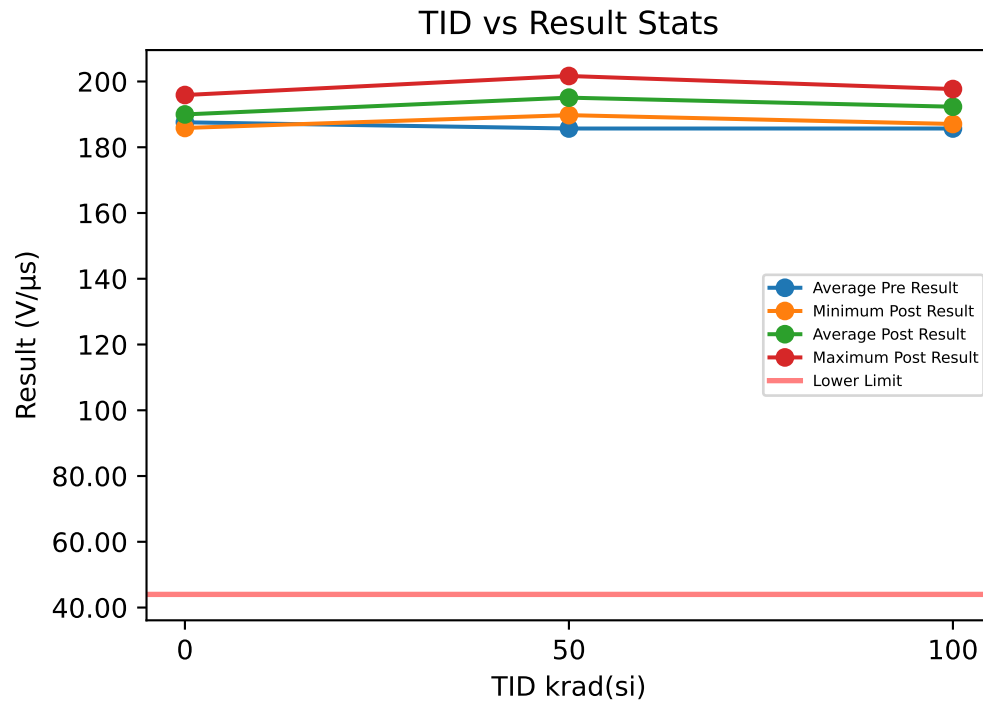
Test Results (Lower Limit = 44.0 (V/μs))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|----------|----------|---------------------|------------|-------------|-------|
| 200      | 0        | Correlation         | 186.51     | 187.75      | 1.23  |
| 201      | 0        | Correlation         | 187.49     | 187.98      | 0.491 |
| 202      | 0        | Correlation         | 189.74     | 188.88      | -0.86 |
| 203      | 50       | Biased              | 190.44     | 194.36      | 3.925 |
| 204      | 50       | Biased              | 189.24     | 194.42      | 5.181 |
| 205      | 50       | Biased              | 183.63     | 186.85      | 3.215 |
| 206      | 50       | Biased              | 182.42     | 187.07      | 4.658 |
| 207      | 50       | Biased              | 186.12     | 189.55      | 3.439 |
| 208      | 50       | Biased              | 182.09     | 185.89      | 3.802 |
| 209      | 50       | Unbiased            | 190.78     | 192.65      | 1.87  |
| 210      | 50       | Unbiased            | 188.7      | 191.96      | 3.262 |
| 211      | 50       | Unbiased            | 182.76     | 187.04      | 4.276 |
| 212      | 50       | Unbiased            | 188.27     | 190.72      | 2.444 |
| 213      | 50       | Unbiased            | 181.78     | 184.19      | 2.418 |
| 214      | 50       | Unbiased            | 190.49     | 192.14      | 1.645 |
| 1200     | 0        | Correlation         | 186.51     | 187.36      | 0.845 |
| 1201     | 0        | Correlation         | 187.49     | 190.23      | 2.744 |
| 1202     | 0        | Correlation         | 189.74     | 190.52      | 0.784 |
| 1203     | 100      | Biased              | 190.44     | 196.08      | 5.643 |
| 1204     | 100      | Biased              | 189.24     | 196.76      | 7.517 |
| 1205     | 100      | Biased              | 183.63     | 189.31      | 5.677 |
| 1206     | 100      | Biased              | 182.42     | 191.48      | 9.064 |
| 1207     | 100      | Biased              | 186.12     | 190.67      | 4.553 |
| 1208     | 100      | Biased              | 182.09     | 188.36      | 6.271 |
| 1209     | 100      | Unbiased            | 190.78     | 194.49      | 3.717 |
| 1210     | 100      | Unbiased            | 188.7      | 195.87      | 7.177 |
| 1211     | 100      | Unbiased            | 182.76     | 188.36      | 5.599 |
| 1212     | 100      | Unbiased            | 188.27     | 194.74      | 6.47  |
| 1213     | 100      | Unbiased            | 181.78     | 188.77      | 6.994 |
| 1214     | 100      | Unbiased            | 190.49     | 197.03      | 6.535 |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 186.51           | 187.91           | 189.74           | 1.4793           | 187.36            | 188.79            | 190.52            | 1.3329            | -0.86     | 0.87233   | 2.744     | 1.165     |
| 50       | 181.78           | 186.39           | 190.78           | 3.6411           | 184.19            | 189.74            | 194.42            | 3.4603            | 1.645     | 3.3446    | 5.181     | 1.0986    |
| 100      | 181.78           | 186.39           | 190.78           | 3.6411           | 188.36            | 192.66            | 197.03            | 3.4935            | 3.717     | 6.2681    | 9.064     | 1.3974    |

Device Test: 19.35 ; WDO\_SLEW\_RATE\_FALL



Test Results (Lower Limit = 44.0 (V/μs))

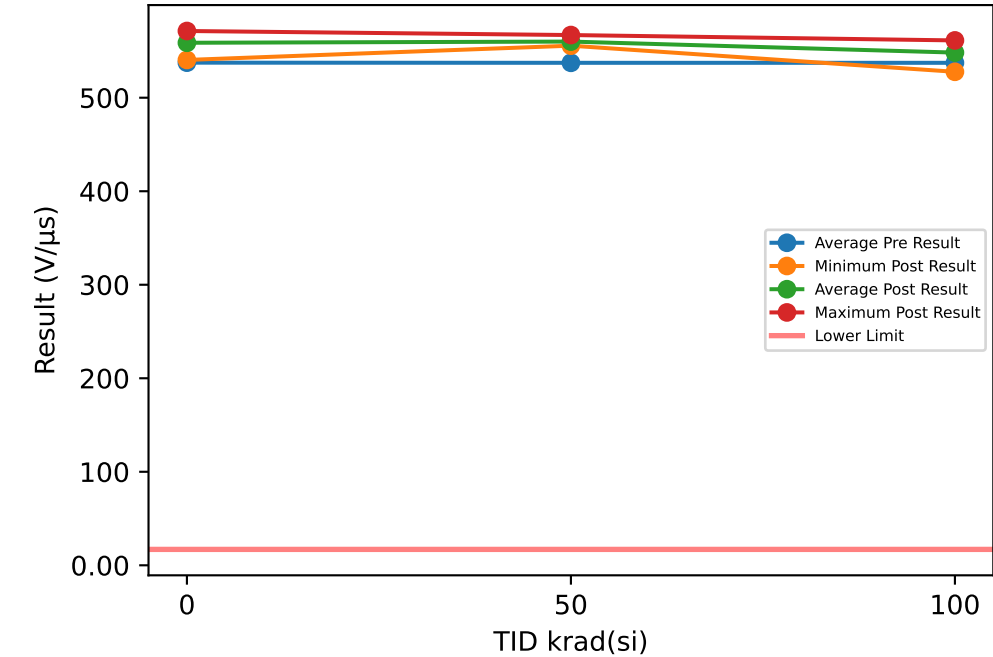
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 186.68     | 190.84      | 4.155  |
| 201      | 0        | Correlation         | 185.85     | 191.37      | 5.513  |
| 202      | 0        | Correlation         | 190.23     | 195.88      | 5.645  |
| 203      | 50       | Biased              | 190.28     | 200.57      | 10.29  |
| 204      | 50       | Biased              | 189.21     | 198.96      | 9.755  |
| 205      | 50       | Biased              | 184.17     | 192.17      | 8.004  |
| 206      | 50       | Biased              | 181.38     | 191.91      | 10.521 |
| 207      | 50       | Biased              | 186.2      | 195.55      | 9.35   |
| 208      | 50       | Biased              | 182.14     | 191.27      | 9.131  |
| 209      | 50       | Unbiased            | 186.37     | 194.63      | 8.254  |
| 210      | 50       | Unbiased            | 185.72     | 194.97      | 9.25   |
| 211      | 50       | Unbiased            | 181.58     | 191.05      | 9.466  |
| 212      | 50       | Unbiased            | 191.4      | 201.67      | 10.268 |
| 213      | 50       | Unbiased            | 180.87     | 189.76      | 8.893  |
| 214      | 50       | Unbiased            | 189.04     | 198.5       | 9.45   |
| 1200     | 0        | Correlation         | 186.68     | 186         | -0.689 |
| 1201     | 0        | Correlation         | 185.85     | 185.86      | 0.011  |
| 1202     | 0        | Correlation         | 190.23     | 189.95      | -0.284 |
| 1203     | 100      | Biased              | 190.28     | 197.7       | 7.414  |
| 1204     | 100      | Biased              | 189.21     | 193.06      | 3.849  |
| 1205     | 100      | Biased              | 184.17     | 190.77      | 6.604  |
| 1206     | 100      | Biased              | 181.38     | 190.58      | 9.193  |
| 1207     | 100      | Biased              | 186.2      | 193.01      | 6.811  |
| 1208     | 100      | Biased              | 182.14     | 187.07      | 4.935  |
| 1209     | 100      | Unbiased            | 186.37     | 194.32      | 7.943  |
| 1210     | 100      | Unbiased            | 185.72     | 192.69      | 6.972  |
| 1211     | 100      | Unbiased            | 181.58     | 188.1       | 6.522  |
| 1212     | 100      | Unbiased            | 191.4      | 197.46      | 6.056  |
| 1213     | 100      | Unbiased            | 180.87     | 187.67      | 6.806  |
| 1214     | 100      | Unbiased            | 189.04     | 195.44      | 6.391  |

### Test Statistics (V/ $\mu$ s)

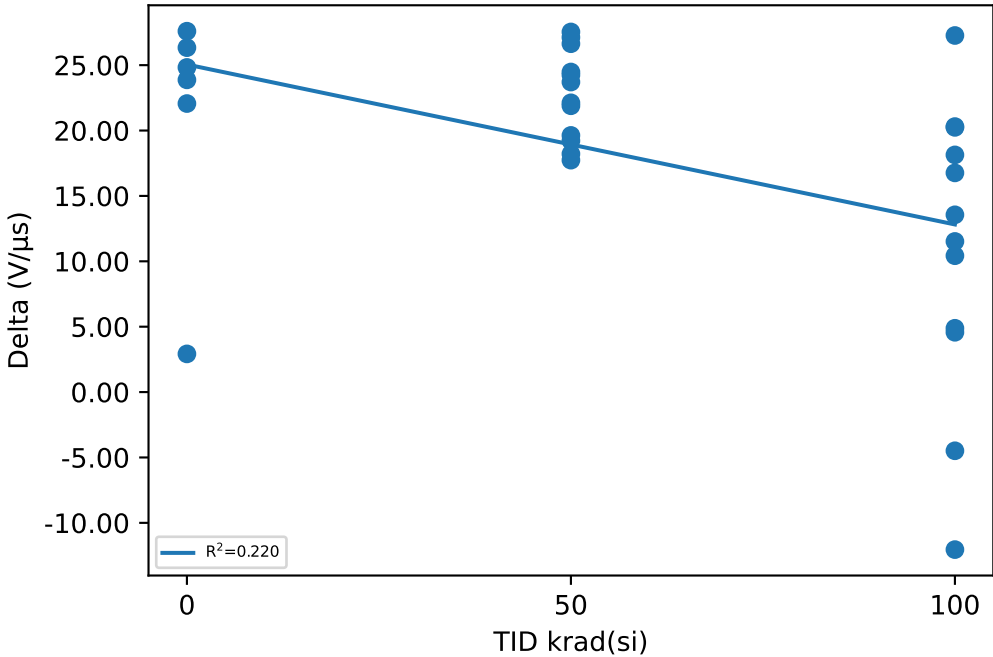
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 185.85           | 187.59           | 190.23           | 2.0816           | 185.86            | 189.98            | 195.88            | 3.7493            | -0.689    | 2.3918    | 5.645     | 3.025     |
| 50       | 180.87           | 185.7            | 191.4            | 3.7133           | 189.76            | 195.08            | 201.67            | 4.0269            | 8.004     | 9.386     | 10.521    | 0.77161   |
| 100      | 180.87           | 185.7            | 191.4            | 3.7133           | 187.07            | 192.32            | 197.7             | 3.5991            | 3.849     | 6.6247    | 9.193     | 1.3516    |

Device Test: 19.36 ; RESET\_SLEW\_RATE\_RISE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



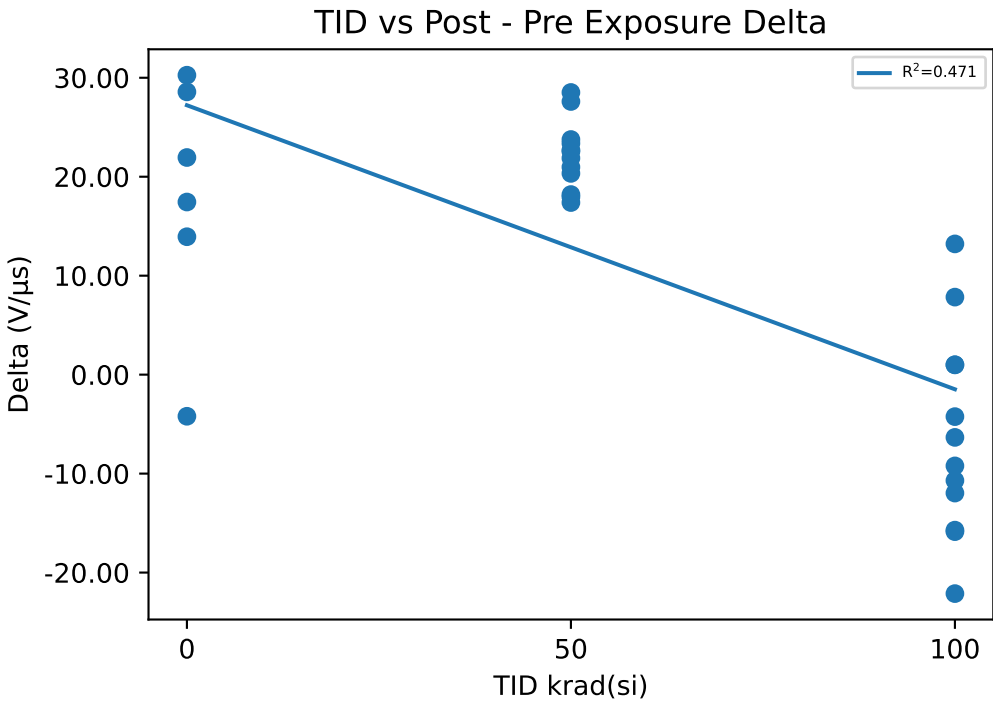
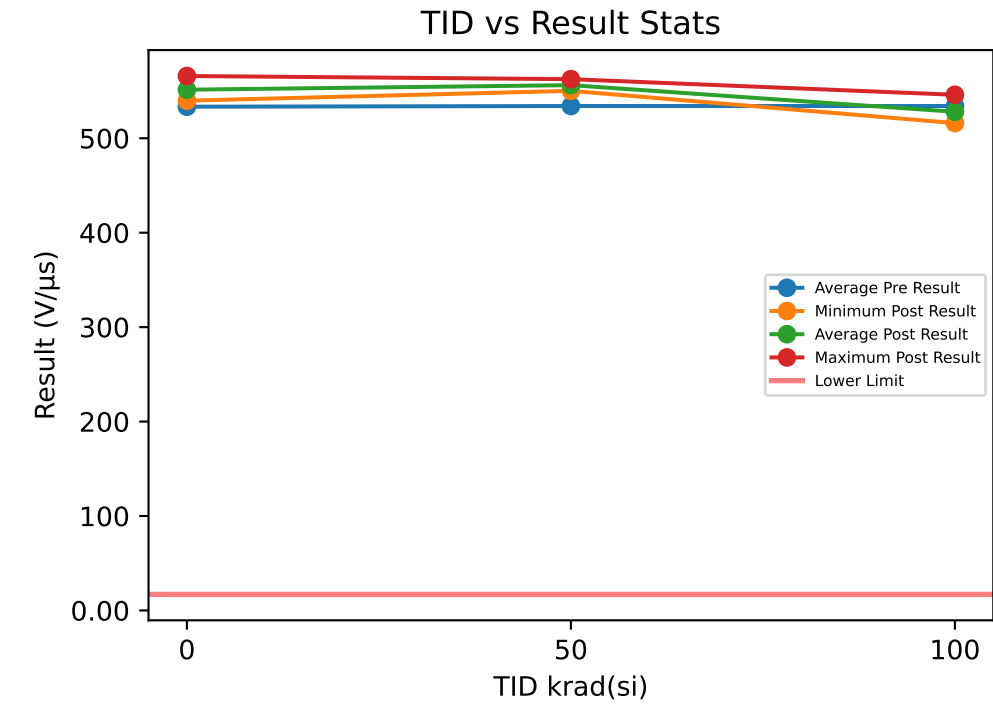
Test Results (Lower Limit = 17.0 (V/μs))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta   |
|----------|----------|---------------------|------------|-------------|---------|
| 200      | 0        | Correlation         | 537.47     | 562.3       | 24.826  |
| 201      | 0        | Correlation         | 545.01     | 571.34      | 26.337  |
| 202      | 0        | Correlation         | 529.98     | 557.57      | 27.596  |
| 203      | 50       | Biased              | 532.21     | 559.33      | 27.124  |
| 204      | 50       | Biased              | 537.39     | 559.28      | 21.894  |
| 205      | 50       | Biased              | 535.52     | 559.23      | 23.708  |
| 206      | 50       | Biased              | 531        | 557.64      | 26.639  |
| 207      | 50       | Biased              | 536.42     | 555.64      | 19.219  |
| 208      | 50       | Biased              | 547.64     | 565.38      | 17.735  |
| 209      | 50       | Unbiased            | 538.8      | 558.42      | 19.627  |
| 210      | 50       | Unbiased            | 544.52     | 562.73      | 18.215  |
| 211      | 50       | Unbiased            | 529.09     | 556.63      | 27.538  |
| 212      | 50       | Unbiased            | 542.77     | 567.02      | 24.249  |
| 213      | 50       | Unbiased            | 534.56     | 556.68      | 22.119  |
| 214      | 50       | Unbiased            | 537.96     | 562.44      | 24.476  |
| 1200     | 0        | Correlation         | 537.47     | 540.39      | 2.92    |
| 1201     | 0        | Correlation         | 545.01     | 567.07      | 22.064  |
| 1202     | 0        | Correlation         | 529.98     | 553.85      | 23.876  |
| 1203     | 100      | Biased              | 532.21     | 527.72      | -4.488  |
| 1204     | 100      | Biased              | 537.39     | 557.69      | 20.303  |
| 1205     | 100      | Biased              | 535.52     | 553.66      | 18.137  |
| 1206     | 100      | Biased              | 531        | 558.27      | 27.268  |
| 1207     | 100      | Biased              | 536.42     | 549.98      | 13.556  |
| 1208     | 100      | Biased              | 547.64     | 558.07      | 10.428  |
| 1209     | 100      | Unbiased            | 538.8      | 550.32      | 11.519  |
| 1210     | 100      | Unbiased            | 544.52     | 561.28      | 16.761  |
| 1211     | 100      | Unbiased            | 529.09     | 549.34      | 20.242  |
| 1212     | 100      | Unbiased            | 542.77     | 530.72      | -12.045 |
| 1213     | 100      | Unbiased            | 534.56     | 539.44      | 4.879   |
| 1214     | 100      | Unbiased            | 537.96     | 542.53      | 4.573   |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 529.98           | 537.48           | 545.01           | 6.7221           | 540.39            | 558.75            | 571.34            | 10.981            | 2.92      | 21.27     | 27.596    | 9.1922    |
| 50       | 529.09           | 537.32           | 547.64           | 5.5268           | 555.64            | 560.03            | 567.02            | 3.6               | 17.735    | 22.712    | 27.538    | 3.469     |
| 100      | 529.09           | 537.32           | 547.64           | 5.5268           | 527.72            | 548.25            | 561.28            | 11.005            | -12.045   | 10.928    | 27.268    | 11.191    |

Device Test: 19.37 ; RESET\_SLEW\_RATE\_RISE



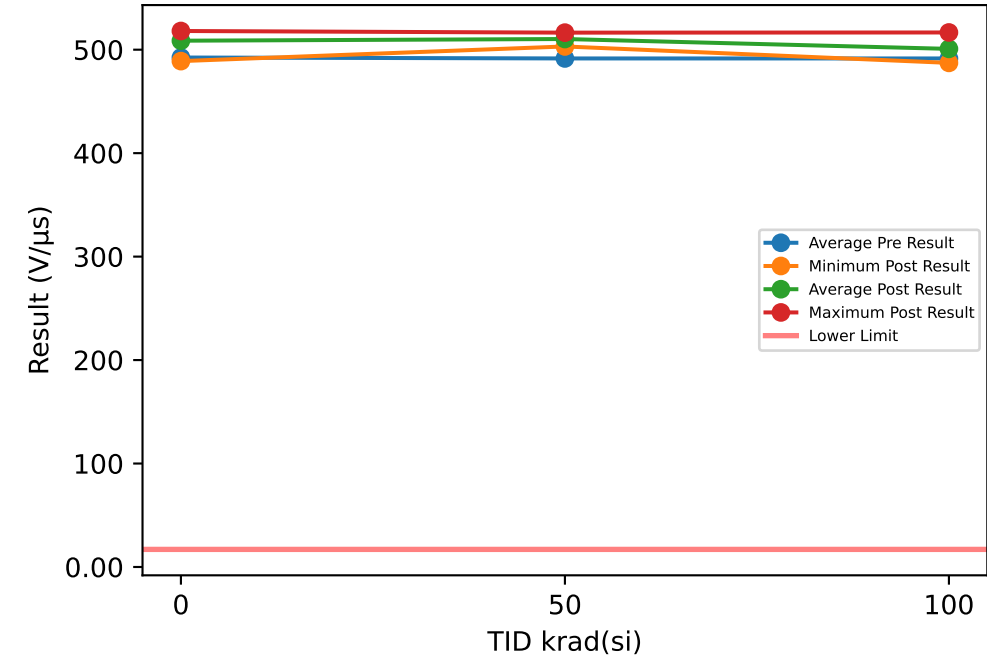
| Test Results (Lower Limit = 17.0 (V/μs)) |          |                     |            |             |         |
|------------------------------------------|----------|---------------------|------------|-------------|---------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta   |
| 200                                      | 0        | Correlation         | 529.35     | 557.92      | 28.573  |
| 201                                      | 0        | Correlation         | 543.98     | 565.92      | 21.942  |
| 202                                      | 0        | Correlation         | 526.94     | 557.2       | 30.259  |
| 203                                      | 50       | Biased              | 532.32     | 555.01      | 22.691  |
| 204                                      | 50       | Biased              | 538.07     | 558.41      | 20.337  |
| 205                                      | 50       | Biased              | 529.85     | 552.4       | 22.553  |
| 206                                      | 50       | Biased              | 525.67     | 554.19      | 28.514  |
| 207                                      | 50       | Biased              | 526.74     | 554.34      | 27.603  |
| 208                                      | 50       | Biased              | 541.37     | 559.57      | 18.198  |
| 209                                      | 50       | Unbiased            | 534.67     | 556.54      | 21.875  |
| 210                                      | 50       | Unbiased            | 538.15     | 556.11      | 17.96   |
| 211                                      | 50       | Unbiased            | 532.83     | 550.22      | 17.391  |
| 212                                      | 50       | Unbiased            | 539.2      | 562.58      | 23.376  |
| 213                                      | 50       | Unbiased            | 533.1      | 556.86      | 23.76   |
| 214                                      | 50       | Unbiased            | 537.61     | 558.58      | 20.973  |
| 1200                                     | 0        | Correlation         | 529.35     | 543.28      | 13.937  |
| 1201                                     | 0        | Correlation         | 543.98     | 539.77      | -4.206  |
| 1202                                     | 0        | Correlation         | 526.94     | 544.38      | 17.444  |
| 1203                                     | 100      | Biased              | 532.32     | 520.36      | -11.967 |
| 1204                                     | 100      | Biased              | 538.07     | 539.07      | 0.995   |
| 1205                                     | 100      | Biased              | 529.85     | 525.61      | -4.242  |
| 1206                                     | 100      | Biased              | 525.67     | 519.33      | -6.341  |
| 1207                                     | 100      | Biased              | 526.74     | 534.58      | 7.835   |
| 1208                                     | 100      | Biased              | 541.37     | 525.5       | -15.865 |
| 1209                                     | 100      | Unbiased            | 534.67     | 535.66      | 0.992   |
| 1210                                     | 100      | Unbiased            | 538.15     | 516.02      | -22.125 |
| 1211                                     | 100      | Unbiased            | 532.83     | 546.04      | 13.211  |
| 1212                                     | 100      | Unbiased            | 539.2      | 523.49      | -15.712 |
| 1213                                     | 100      | Unbiased            | 533.1      | 522.4       | -10.7   |
| 1214                                     | 100      | Unbiased            | 537.61     | 528.38      | -9.221  |

Test Statistics (V/μs)

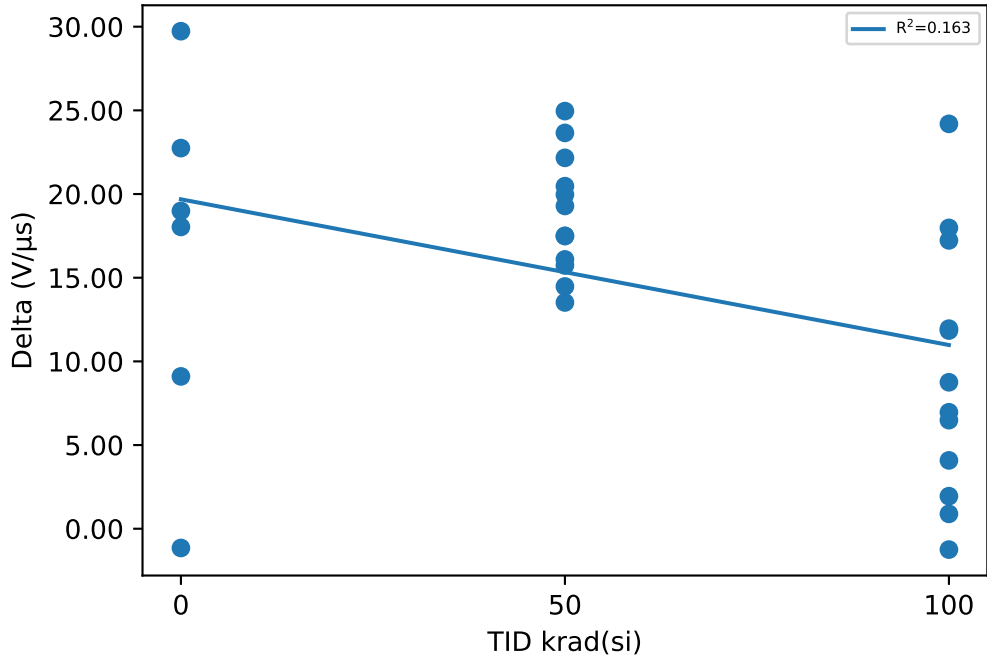
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 526.94           | 533.42           | 543.98           | 8.2506           | 539.77            | 551.41            | 565.92            | 10.366            | -4.206    | 17.991    | 30.259    | 12.55     |
| 50       | 525.67           | 534.13           | 541.37           | 4.9785           | 550.22            | 556.23            | 562.58            | 3.3333            | 17.391    | 22.103    | 28.514    | 3.5075    |
| 100      | 525.67           | 534.13           | 541.37           | 4.9785           | 516.02            | 528.04            | 546.04            | 8.998             | -22.125   | -6.095    | 13.211    | 10.362    |

Device Test: 19.38 ; RESET\_SLEW\_RATE\_RISE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 17.0 (V/μs))

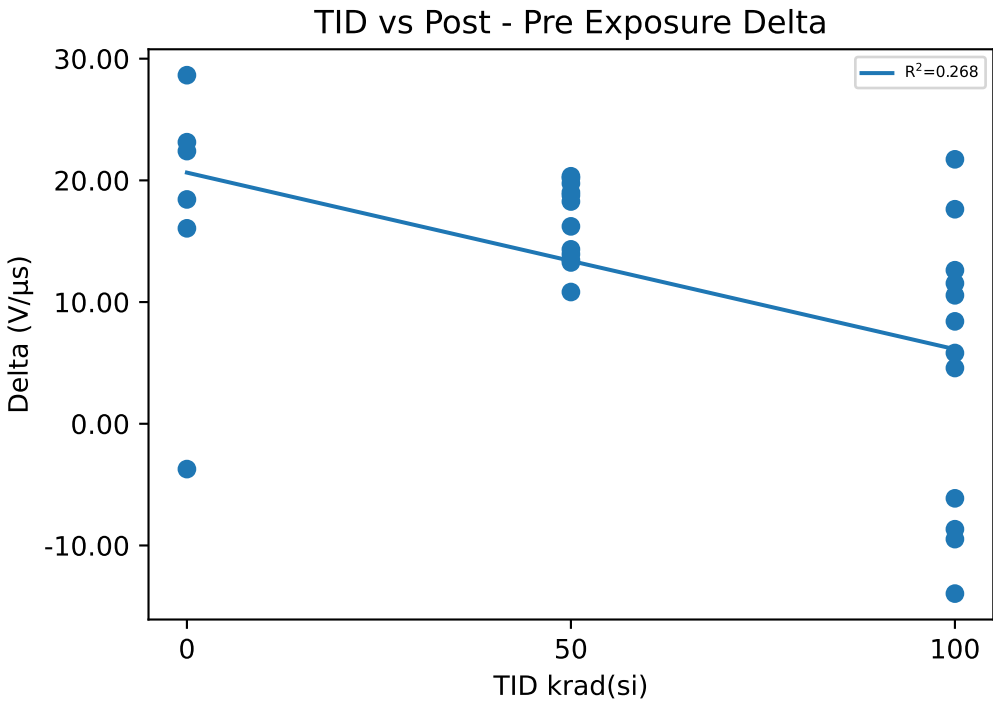
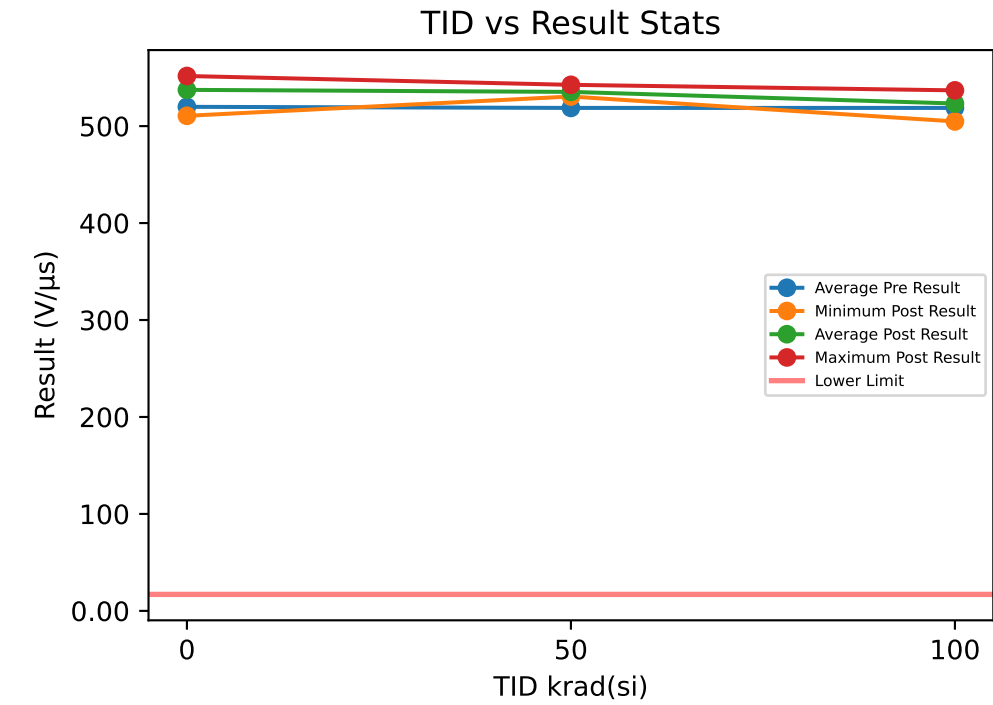
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 488.34     | 511.08      | 22.746 |
| 201      | 0        | Correlation         | 498.89     | 516.92      | 18.036 |
| 202      | 0        | Correlation         | 490.11     | 509.1       | 18.99  |
| 203      | 50       | Biased              | 493.33     | 509.06      | 15.733 |
| 204      | 50       | Biased              | 497.03     | 514.53      | 17.498 |
| 205      | 50       | Biased              | 485.31     | 507.48      | 22.163 |
| 206      | 50       | Biased              | 492.45     | 506.93      | 14.477 |
| 207      | 50       | Biased              | 486.29     | 506.76      | 20.47  |
| 208      | 50       | Biased              | 491.32     | 516.28      | 24.956 |
| 209      | 50       | Unbiased            | 490.27     | 509.56      | 19.289 |
| 210      | 50       | Unbiased            | 490.07     | 513.72      | 23.653 |
| 211      | 50       | Unbiased            | 489.6      | 503.12      | 13.521 |
| 212      | 50       | Unbiased            | 496.51     | 516.48      | 19.969 |
| 213      | 50       | Unbiased            | 491.49     | 507.59      | 16.094 |
| 214      | 50       | Unbiased            | 494.76     | 512.26      | 17.493 |
| 1200     | 0        | Correlation         | 488.34     | 518.07      | 29.731 |
| 1201     | 0        | Correlation         | 498.89     | 507.99      | 9.102  |
| 1202     | 0        | Correlation         | 490.11     | 488.96      | -1.15  |
| 1203     | 100      | Biased              | 493.33     | 502.08      | 8.752  |
| 1204     | 100      | Biased              | 497.03     | 508.88      | 11.844 |
| 1205     | 100      | Biased              | 485.31     | 487.26      | 1.945  |
| 1206     | 100      | Biased              | 492.45     | 516.65      | 24.194 |
| 1207     | 100      | Biased              | 486.29     | 504.27      | 17.976 |
| 1208     | 100      | Biased              | 491.32     | 495.4       | 4.083  |
| 1209     | 100      | Unbiased            | 490.27     | 507.5       | 17.23  |
| 1210     | 100      | Unbiased            | 490.07     | 488.82      | -1.247 |
| 1211     | 100      | Unbiased            | 489.6      | 490.49      | 0.888  |
| 1212     | 100      | Unbiased            | 496.51     | 503.47      | 6.959  |
| 1213     | 100      | Unbiased            | 491.49     | 503.45      | 11.956 |
| 1214     | 100      | Unbiased            | 494.76     | 501.25      | 6.487  |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 488.34           | 492.45           | 498.89           | 5.0512           | 488.96            | 508.69            | 518.07            | 10.5              | -1.15     | 16.242    | 29.731    | 10.849    |
| 50       | 485.31           | 491.54           | 497.03           | 3.6082           | 503.12            | 510.31            | 516.48            | 4.2657            | 13.521    | 18.776    | 24.956    | 3.6161    |
| 100      | 485.31           | 491.54           | 497.03           | 3.6082           | 487.26            | 500.79            | 516.65            | 8.798             | -1.247    | 9.2556    | 24.194    | 7.69      |



Device Test: 19.39 ; RESET\_SLEW\_RATE\_RISE



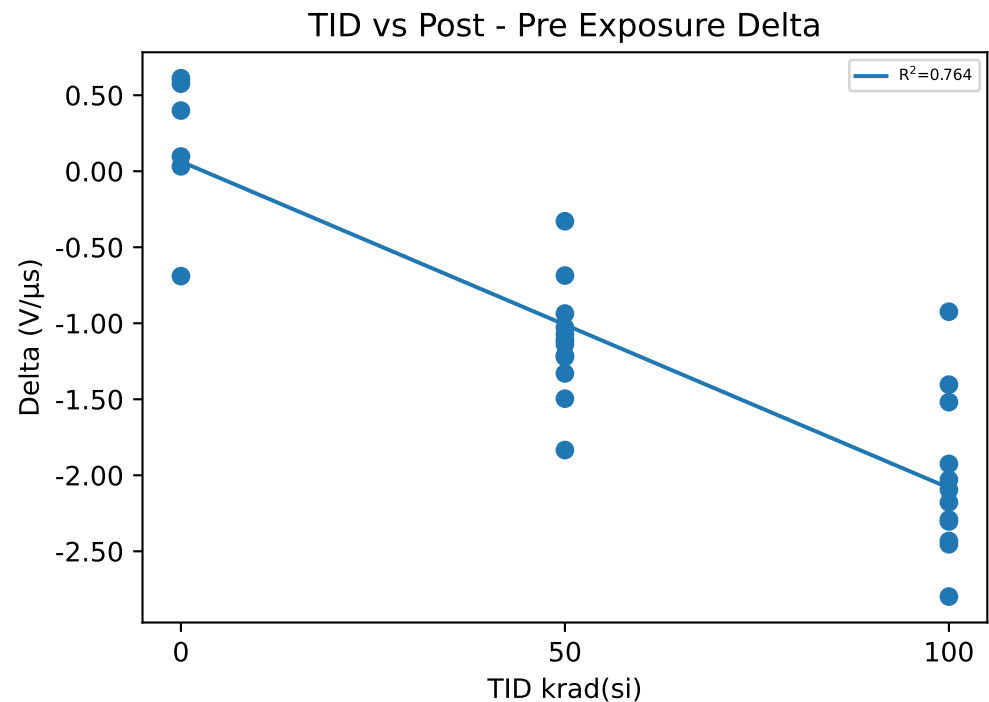
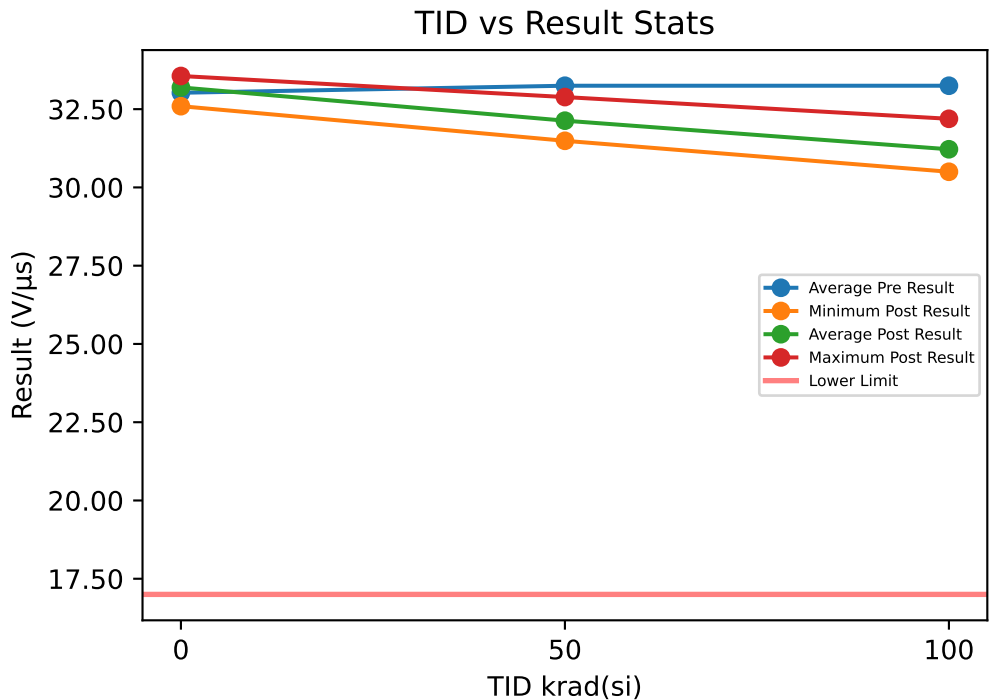
Test Results (Lower Limit = 17.0 (V/μs))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta   |
|----------|----------|---------------------|------------|-------------|---------|
| 200      | 0        | Correlation         | 514.35     | 537.49      | 23.138  |
| 201      | 0        | Correlation         | 529.29     | 545.35      | 16.06   |
| 202      | 0        | Correlation         | 516.06     | 534.5       | 18.434  |
| 203      | 50       | Biased              | 523.09     | 533.91      | 10.826  |
| 204      | 50       | Biased              | 525.56     | 539.02      | 13.457  |
| 205      | 50       | Biased              | 511.32     | 531.51      | 20.182  |
| 206      | 50       | Biased              | 519.92     | 533.85      | 13.933  |
| 207      | 50       | Biased              | 510.95     | 531.28      | 20.338  |
| 208      | 50       | Biased              | 525.34     | 539.67      | 14.332  |
| 209      | 50       | Unbiased            | 518.6      | 537.37      | 18.774  |
| 210      | 50       | Unbiased            | 522.88     | 536.14      | 13.255  |
| 211      | 50       | Unbiased            | 511.52     | 530.53      | 19.018  |
| 212      | 50       | Unbiased            | 526.36     | 542.58      | 16.221  |
| 213      | 50       | Unbiased            | 514.64     | 534.38      | 19.748  |
| 214      | 50       | Unbiased            | 515.04     | 533.3       | 18.264  |
| 1200     | 0        | Correlation         | 514.35     | 510.62      | -3.724  |
| 1201     | 0        | Correlation         | 529.29     | 551.69      | 22.406  |
| 1202     | 0        | Correlation         | 516.06     | 544.71      | 28.643  |
| 1203     | 100      | Biased              | 523.09     | 509.13      | -13.955 |
| 1204     | 100      | Biased              | 525.56     | 530.14      | 4.581   |
| 1205     | 100      | Biased              | 511.32     | 521.88      | 10.555  |
| 1206     | 100      | Biased              | 519.92     | 532.53      | 12.617  |
| 1207     | 100      | Biased              | 510.95     | 504.82      | -6.127  |
| 1208     | 100      | Biased              | 525.34     | 536.89      | 11.543  |
| 1209     | 100      | Unbiased            | 518.6      | 509.12      | -9.478  |
| 1210     | 100      | Unbiased            | 522.88     | 514.22      | -8.665  |
| 1211     | 100      | Unbiased            | 511.52     | 519.93      | 8.415   |
| 1212     | 100      | Unbiased            | 526.36     | 532.17      | 5.815   |
| 1213     | 100      | Unbiased            | 514.64     | 536.37      | 21.73   |
| 1214     | 100      | Unbiased            | 515.04     | 532.66      | 17.628  |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 514.35           | 519.9            | 529.29           | 7.3112           | 510.62            | 537.39            | 551.69            | 14.465            | -3.724    | 17.493    | 28.643    | 11.255    |
| 50       | 510.95           | 518.77           | 526.36           | 5.9088           | 530.53            | 535.3             | 542.58            | 3.7293            | 10.826    | 16.529    | 20.338    | 3.2586    |
| 100      | 510.95           | 518.77           | 526.36           | 5.9088           | 504.82            | 523.32            | 536.89            | 11.649            | -13.955   | 4.5549    | 21.73     | 11.523    |

Device Test: 19.4 ; PWRGD\_SLEW\_RATE\_RISE



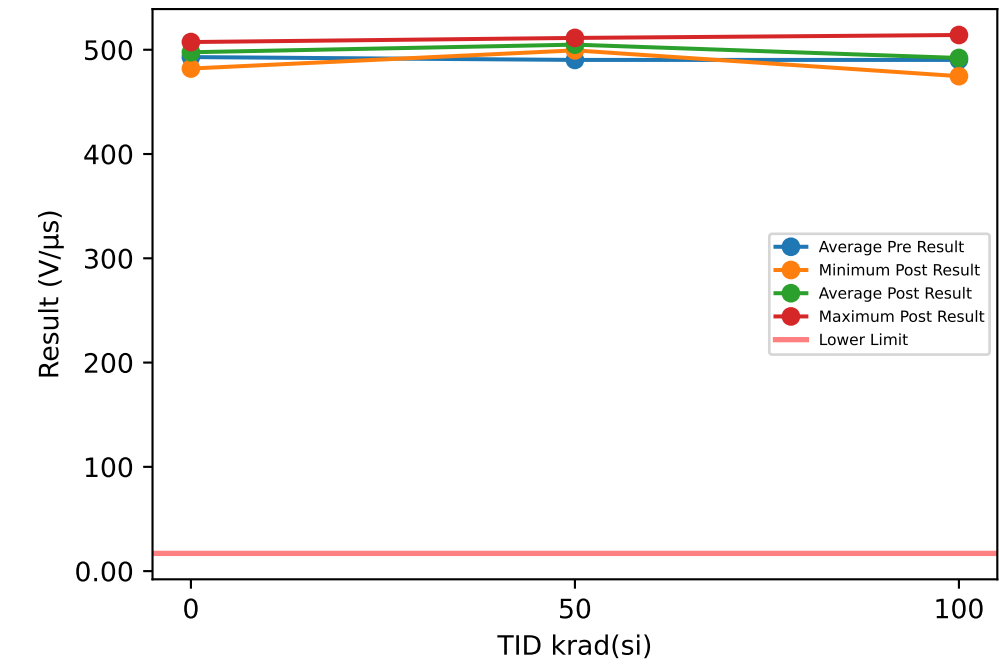
| Test Results (Lower Limit = 17.0 (V/μs)) |          |                     |            |             |        |
|------------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 200                                      | 0        | Correlation         | 33.16      | 33.559      | 0.399  |
| 201                                      | 0        | Correlation         | 33.285     | 33.317      | 0.032  |
| 202                                      | 0        | Correlation         | 32.625     | 33.237      | 0.612  |
| 203                                      | 50       | Biased              | 33.662     | 32.332      | -1.33  |
| 204                                      | 50       | Biased              | 33.116     | 32.43       | -0.686 |
| 205                                      | 50       | Biased              | 33.564     | 31.73       | -1.834 |
| 206                                      | 50       | Biased              | 33.271     | 31.775      | -1.496 |
| 207                                      | 50       | Biased              | 33.025     | 31.887      | -1.138 |
| 208                                      | 50       | Biased              | 33.215     | 32.886      | -0.329 |
| 209                                      | 50       | Unbiased            | 33.376     | 32.154      | -1.222 |
| 210                                      | 50       | Unbiased            | 33.401     | 32.289      | -1.112 |
| 211                                      | 50       | Unbiased            | 32.425     | 31.489      | -0.936 |
| 212                                      | 50       | Unbiased            | 33.934     | 32.722      | -1.212 |
| 213                                      | 50       | Unbiased            | 32.952     | 31.879      | -1.073 |
| 214                                      | 50       | Unbiased            | 33.036     | 32.008      | -1.028 |
| 1200                                     | 0        | Correlation         | 33.16      | 33.257      | 0.097  |
| 1201                                     | 0        | Correlation         | 33.285     | 32.595      | -0.69  |
| 1202                                     | 0        | Correlation         | 32.625     | 33.201      | 0.576  |
| 1203                                     | 100      | Biased              | 33.662     | 31.484      | -2.178 |
| 1204                                     | 100      | Biased              | 33.116     | 32.192      | -0.924 |
| 1205                                     | 100      | Biased              | 33.564     | 31.11       | -2.454 |
| 1206                                     | 100      | Biased              | 33.271     | 30.967      | -2.304 |
| 1207                                     | 100      | Biased              | 33.025     | 31.506      | -1.519 |
| 1208                                     | 100      | Biased              | 33.215     | 31.811      | -1.404 |
| 1209                                     | 100      | Unbiased            | 33.376     | 30.578      | -2.798 |
| 1210                                     | 100      | Unbiased            | 33.401     | 31.11       | -2.291 |
| 1211                                     | 100      | Unbiased            | 32.425     | 30.5        | -1.925 |
| 1212                                     | 100      | Unbiased            | 33.934     | 31.905      | -2.029 |
| 1213                                     | 100      | Unbiased            | 32.952     | 30.52       | -2.432 |
| 1214                                     | 100      | Unbiased            | 33.036     | 30.941      | -2.095 |

Test Statistics (V/μs)

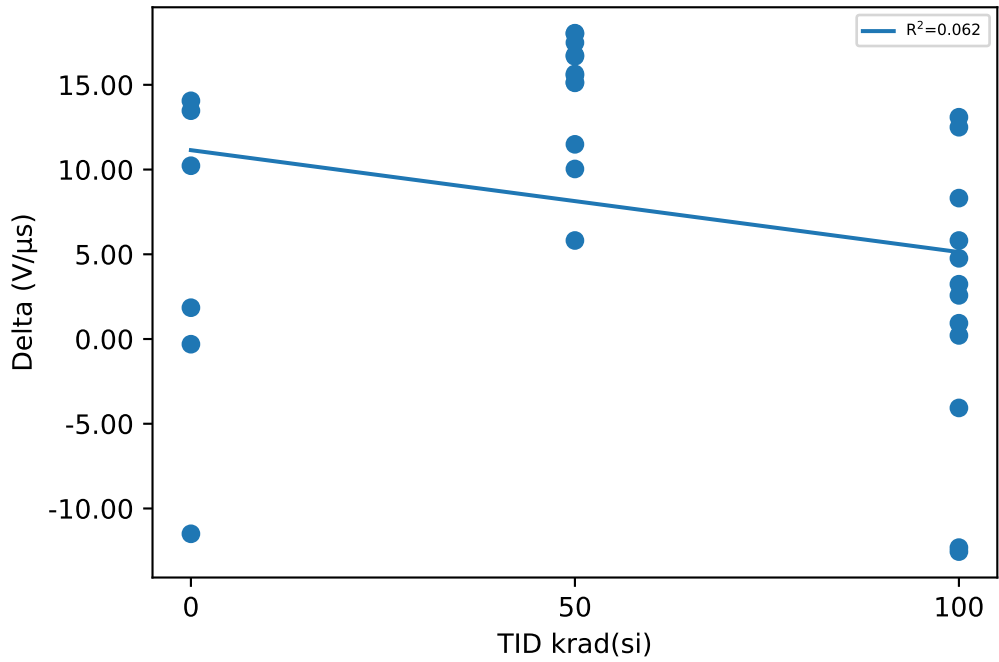
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 32.625           | 33.023           | 33.285           | 0.31357          | 32.595            | 33.194            | 33.559            | 0.32032           | -0.69     | 0.171     | 0.612     | 0.4851    |
| 50       | 32.425           | 33.248           | 33.934           | 0.38851          | 31.489            | 32.132            | 32.886            | 0.41697           | -1.834    | -1.1163   | -0.329    | 0.37815   |
| 100      | 32.425           | 33.248           | 33.934           | 0.38851          | 30.5              | 31.219            | 32.192            | 0.56419           | -2.798    | -2.0294   | -0.924    | 0.52117   |

Device Test: 19.40 ; PWRGD\_SLEW\_RATE\_RISE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 17.0 (V/μs))

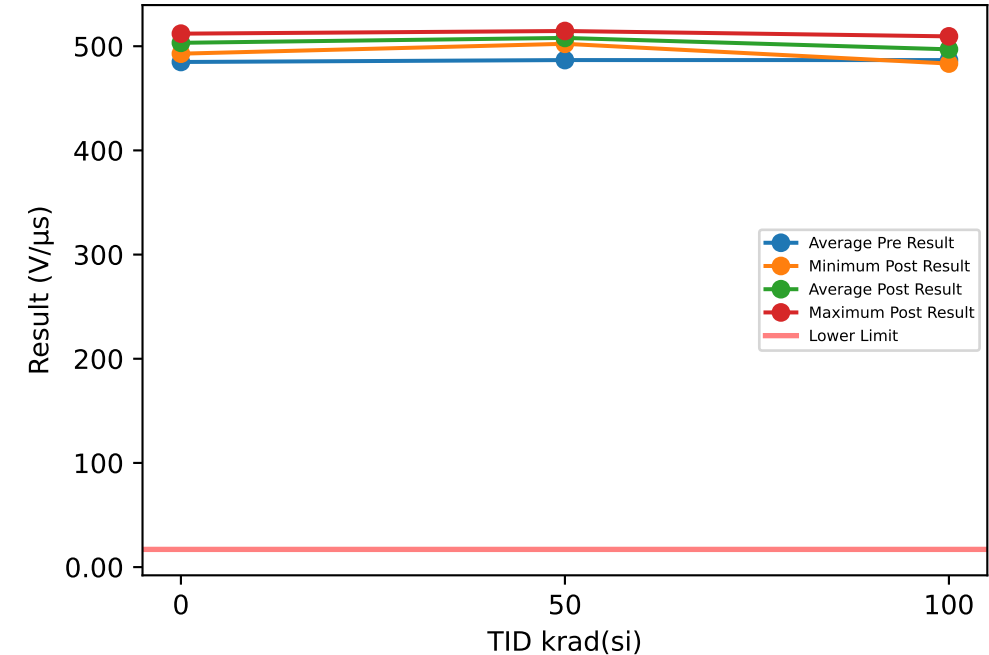
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta   |
|----------|----------|---------------------|------------|-------------|---------|
| 200      | 0        | Correlation         | 493.48     | 503.7       | 10.225  |
| 201      | 0        | Correlation         | 493.33     | 507.39      | 14.056  |
| 202      | 0        | Correlation         | 492.11     | 505.59      | 13.473  |
| 203      | 50       | Biased              | 492.85     | 508.5       | 15.642  |
| 204      | 50       | Biased              | 488.99     | 504.56      | 15.567  |
| 205      | 50       | Biased              | 489.39     | 499.42      | 10.035  |
| 206      | 50       | Biased              | 487.6      | 504.35      | 16.741  |
| 207      | 50       | Biased              | 488        | 505.49      | 17.488  |
| 208      | 50       | Biased              | 501.06     | 506.88      | 5.814   |
| 209      | 50       | Unbiased            | 492.35     | 503.84      | 11.488  |
| 210      | 50       | Unbiased            | 488.65     | 506.69      | 18.046  |
| 211      | 50       | Unbiased            | 487.21     | 502.33      | 15.117  |
| 212      | 50       | Unbiased            | 494.66     | 511.35      | 16.681  |
| 213      | 50       | Unbiased            | 486.77     | 504.79      | 18.019  |
| 214      | 50       | Unbiased            | 485.48     | 500.62      | 15.146  |
| 1200     | 0        | Correlation         | 493.48     | 481.98      | -11.494 |
| 1201     | 0        | Correlation         | 493.33     | 493.03      | -0.306  |
| 1202     | 0        | Correlation         | 492.11     | 493.96      | 1.848   |
| 1203     | 100      | Biased              | 492.85     | 501.17      | 8.315   |
| 1204     | 100      | Biased              | 488.99     | 476.68      | -12.309 |
| 1205     | 100      | Biased              | 489.39     | 489.6       | 0.212   |
| 1206     | 100      | Biased              | 487.6      | 490.84      | 3.234   |
| 1207     | 100      | Biased              | 488        | 493.81      | 5.813   |
| 1208     | 100      | Biased              | 501.06     | 514.15      | 13.088  |
| 1209     | 100      | Unbiased            | 492.35     | 494.93      | 2.575   |
| 1210     | 100      | Unbiased            | 488.65     | 501.14      | 12.497  |
| 1211     | 100      | Unbiased            | 487.21     | 474.67      | -12.544 |
| 1212     | 100      | Unbiased            | 494.66     | 499.43      | 4.763   |
| 1213     | 100      | Unbiased            | 486.77     | 482.7       | -4.067  |
| 1214     | 100      | Unbiased            | 485.48     | 486.41      | 0.932   |

Test Statistics (V/μs)

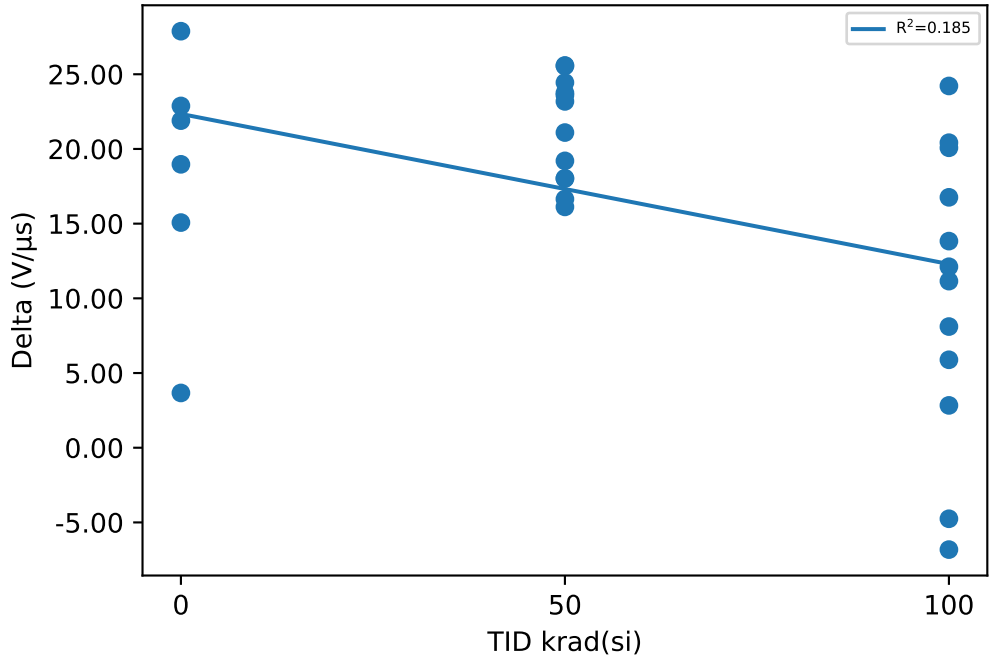
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 492.11           | 492.98           | 493.48           | 0.67101          | 481.98            | 497.61            | 507.39            | 9.7456            | -11.494   | 4.6337    | 14.056    | 9.9039    |
| 50       | 485.48           | 490.25           | 501.06           | 4.3555           | 499.42            | 504.9             | 511.35            | 3.2807            | 5.814     | 14.649    | 18.046    | 3.7062    |
| 100      | 485.48           | 490.25           | 501.06           | 4.3555           | 474.67            | 492.13            | 514.15            | 11.221            | -12.544   | 1.8757    | 13.088    | 8.2807    |

Device Test: 19.41 ; WDO\_SLEW\_RATE\_RISE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 17.0 (V/μs))

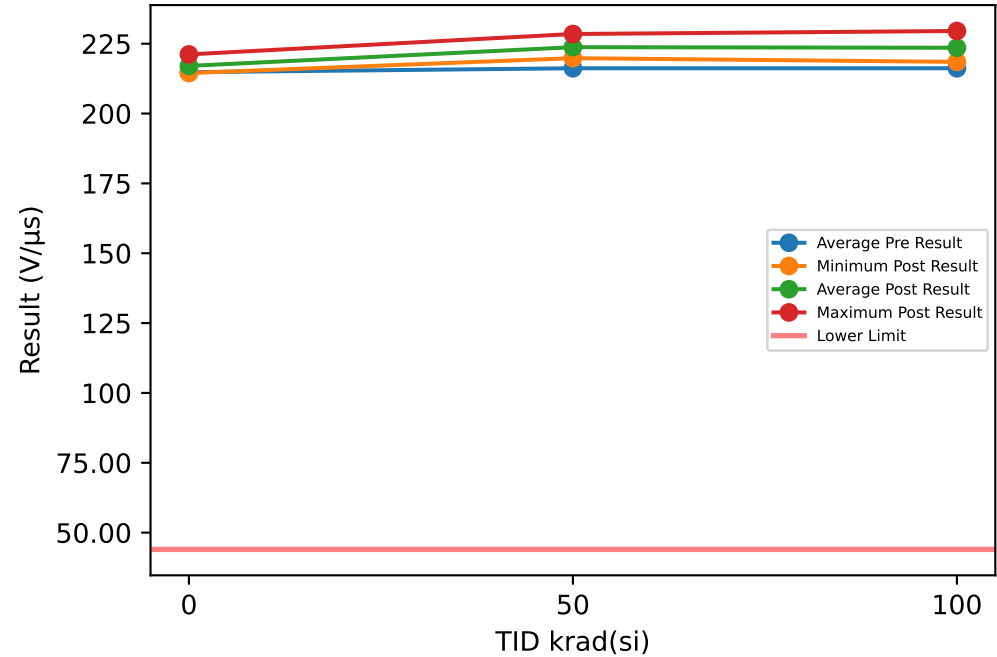
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 484.89     | 506.79      | 21.895 |
| 201      | 0        | Correlation         | 489.18     | 512.06      | 22.879 |
| 202      | 0        | Correlation         | 480.56     | 508.44      | 27.882 |
| 203      | 50       | Biased              | 486.01     | 510.45      | 24.444 |
| 204      | 50       | Biased              | 486.01     | 509.61      | 23.602 |
| 205      | 50       | Biased              | 480.53     | 504.28      | 23.751 |
| 206      | 50       | Biased              | 485.89     | 505.1       | 19.202 |
| 207      | 50       | Biased              | 476.74     | 502.32      | 25.588 |
| 208      | 50       | Biased              | 485.25     | 510.8       | 25.554 |
| 209      | 50       | Unbiased            | 489.55     | 507.58      | 18.024 |
| 210      | 50       | Unbiased            | 489.36     | 510.46      | 21.097 |
| 211      | 50       | Unbiased            | 489.04     | 505.16      | 16.121 |
| 212      | 50       | Unbiased            | 491.44     | 514.62      | 23.182 |
| 213      | 50       | Unbiased            | 490.25     | 506.89      | 16.645 |
| 214      | 50       | Unbiased            | 490.42     | 508.45      | 18.031 |
| 1200     | 0        | Correlation         | 484.89     | 503.87      | 18.971 |
| 1201     | 0        | Correlation         | 489.18     | 492.85      | 3.667  |
| 1202     | 0        | Correlation         | 480.56     | 495.63      | 15.072 |
| 1203     | 100      | Biased              | 486.01     | 506.43      | 20.419 |
| 1204     | 100      | Biased              | 486.01     | 491.9       | 5.887  |
| 1205     | 100      | Biased              | 480.53     | 483.36      | 2.834  |
| 1206     | 100      | Biased              | 485.89     | 494         | 8.111  |
| 1207     | 100      | Biased              | 476.74     | 496.81      | 20.078 |
| 1208     | 100      | Biased              | 485.25     | 509.46      | 24.216 |
| 1209     | 100      | Unbiased            | 489.55     | 500.7       | 11.152 |
| 1210     | 100      | Unbiased            | 489.36     | 501.48      | 12.115 |
| 1211     | 100      | Unbiased            | 489.04     | 502.87      | 13.831 |
| 1212     | 100      | Unbiased            | 491.44     | 484.62      | -6.819 |
| 1213     | 100      | Unbiased            | 490.25     | 507.01      | 16.762 |
| 1214     | 100      | Unbiased            | 490.42     | 485.67      | -4.755 |

Test Statistics (V/μs)

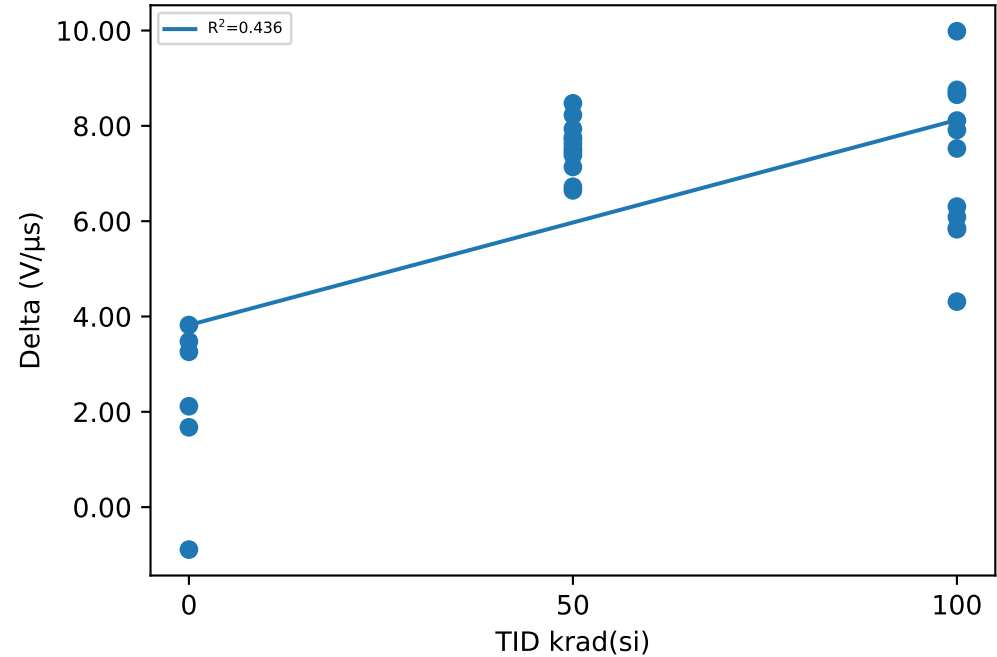
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 480.56           | 484.88           | 489.18           | 3.8555           | 492.85            | 503.27            | 512.06            | 7.5329            | 3.667     | 18.394    | 27.882    | 8.3743    |
| 50       | 476.74           | 486.71           | 491.44           | 4.376            | 502.32            | 507.98            | 514.62            | 3.4441            | 16.121    | 21.27     | 25.588    | 3.5105    |
| 100      | 476.74           | 486.71           | 491.44           | 4.376            | 483.36            | 497.03            | 509.46            | 9.1225            | -6.819    | 10.319    | 24.216    | 9.7683    |

Device Test: 19.42 ; RESET\_SLEW\_RATE\_FALL

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 44.0 (V/μs))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 213.91     | 217.17      | 3.259  |
| 201      | 0        | Correlation         | 217.69     | 221.17      | 3.476  |
| 202      | 0        | Correlation         | 212.81     | 216.63      | 3.821  |
| 203      | 50       | Biased              | 212.64     | 220.58      | 7.936  |
| 204      | 50       | Biased              | 219.3      | 227.06      | 7.758  |
| 205      | 50       | Biased              | 215.08     | 222.54      | 7.454  |
| 206      | 50       | Biased              | 217.96     | 225.67      | 7.706  |
| 207      | 50       | Biased              | 214.33     | 221.05      | 6.722  |
| 208      | 50       | Biased              | 212.31     | 219.83      | 7.521  |
| 209      | 50       | Unbiased            | 219.38     | 227.85      | 8.473  |
| 210      | 50       | Unbiased            | 220.85     | 228.47      | 7.618  |
| 211      | 50       | Unbiased            | 215.76     | 223.99      | 8.227  |
| 212      | 50       | Unbiased            | 217.52     | 224.91      | 7.386  |
| 213      | 50       | Unbiased            | 215.18     | 222.32      | 7.137  |
| 214      | 50       | Unbiased            | 214.18     | 220.83      | 6.646  |
| 1200     | 0        | Correlation         | 213.91     | 216.03      | 2.117  |
| 1201     | 0        | Correlation         | 217.69     | 216.8       | -0.891 |
| 1202     | 0        | Correlation         | 212.81     | 214.49      | 1.675  |
| 1203     | 100      | Biased              | 212.64     | 218.49      | 5.851  |
| 1204     | 100      | Biased              | 219.3      | 227.96      | 8.652  |
| 1205     | 100      | Biased              | 215.08     | 223.19      | 8.111  |
| 1206     | 100      | Biased              | 217.96     | 225.49      | 7.525  |
| 1207     | 100      | Biased              | 214.33     | 220.16      | 5.83   |
| 1208     | 100      | Biased              | 212.31     | 221.06      | 8.755  |
| 1209     | 100      | Unbiased            | 219.38     | 229.36      | 9.986  |
| 1210     | 100      | Unbiased            | 220.85     | 229.54      | 8.693  |
| 1211     | 100      | Unbiased            | 215.76     | 223.68      | 7.913  |
| 1212     | 100      | Unbiased            | 217.52     | 223.61      | 6.087  |
| 1213     | 100      | Unbiased            | 215.18     | 221.49      | 6.306  |
| 1214     | 100      | Unbiased            | 214.18     | 218.49      | 4.312  |

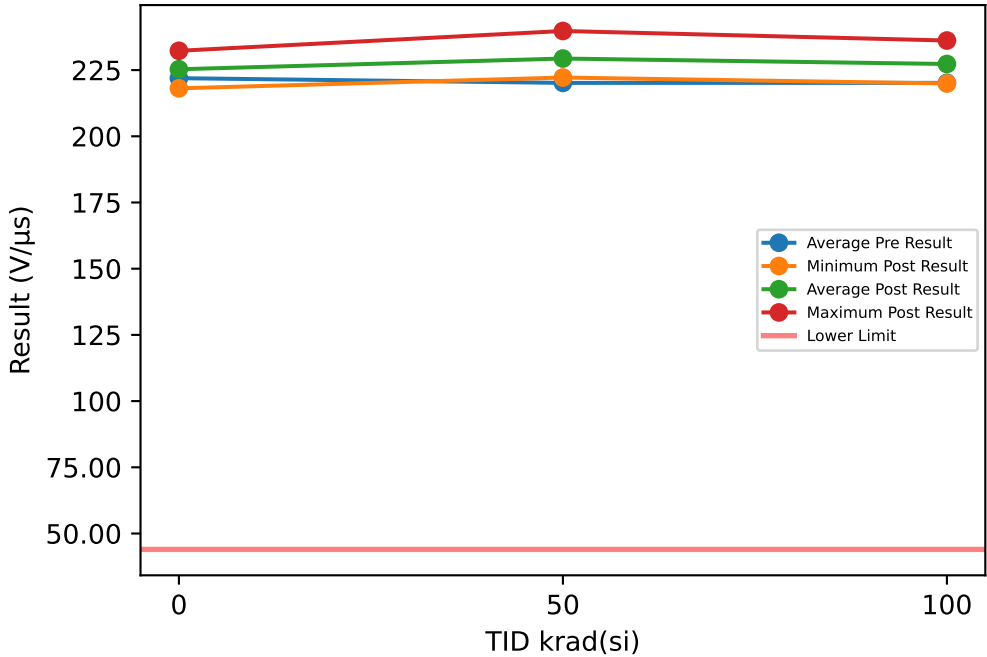
Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 212.81           | 214.8            | 217.69           | 2.291            | 214.49            | 217.05            | 221.17            | 2.2289            | -0.891    | 2.2428    | 3.821     | 1.7437    |
| 50       | 212.31           | 216.21           | 220.85           | 2.7647           | 219.83            | 223.76            | 228.47            | 3.0138            | 6.646     | 7.5487    | 8.473     | 0.54287   |
| 100      | 212.31           | 216.21           | 220.85           | 2.7647           | 218.49            | 223.54            | 229.54            | 3.8859            | 4.312     | 7.3351    | 9.986     | 1.6464    |

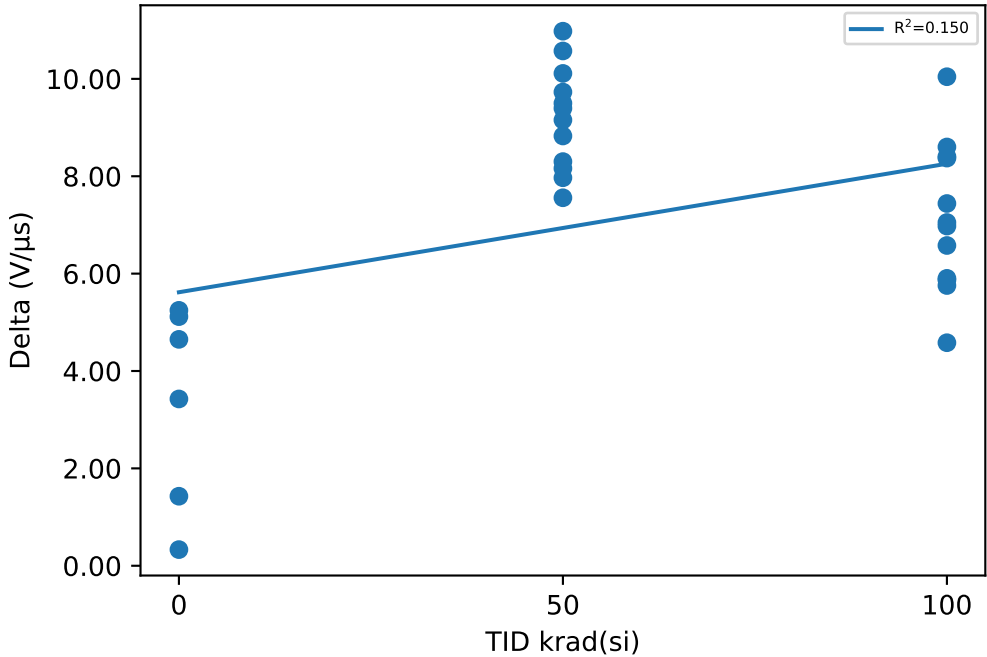


Device Test: 19.43 ; RESET\_SLEW\_RATE\_FALL

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 44.0 (V/μs))

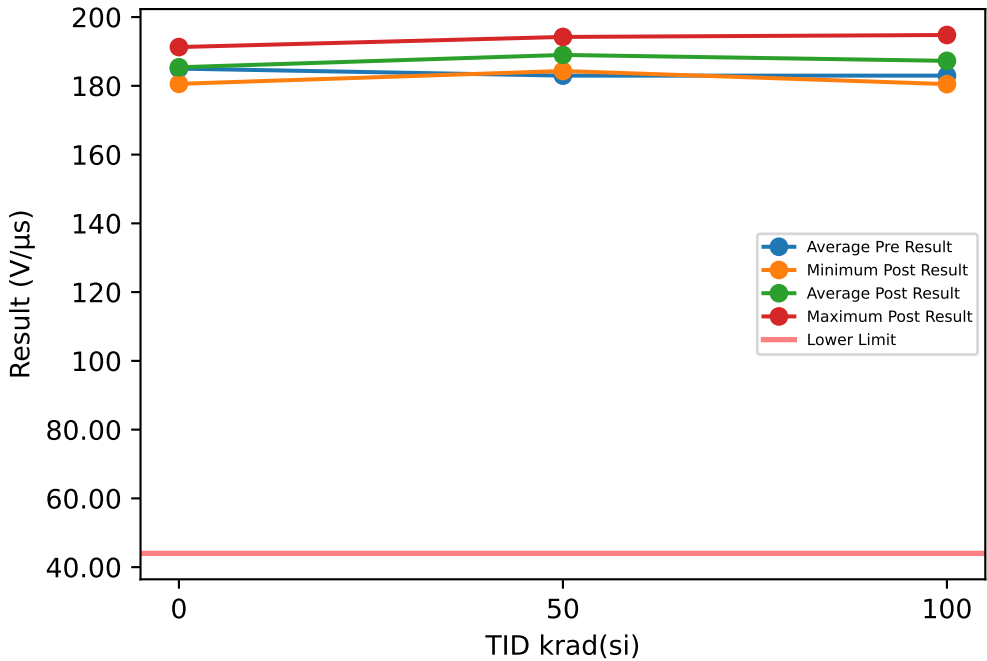
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 217.77     | 222.42      | 4.65   |
| 201      | 0        | Correlation         | 221.03     | 226.15      | 5.117  |
| 202      | 0        | Correlation         | 227.04     | 232.29      | 5.246  |
| 203      | 50       | Biased              | 217.36     | 226.51      | 9.155  |
| 204      | 50       | Biased              | 224.44     | 233.94      | 9.499  |
| 205      | 50       | Biased              | 213.36     | 222.19      | 8.827  |
| 206      | 50       | Biased              | 219.74     | 229.85      | 10.112 |
| 207      | 50       | Biased              | 218.13     | 226.1       | 7.969  |
| 208      | 50       | Biased              | 216.5      | 224.8       | 8.301  |
| 209      | 50       | Unbiased            | 229.19     | 239.76      | 10.573 |
| 210      | 50       | Unbiased            | 223.45     | 231.62      | 8.161  |
| 211      | 50       | Unbiased            | 217.07     | 226.46      | 9.396  |
| 212      | 50       | Unbiased            | 221.93     | 231.66      | 9.729  |
| 213      | 50       | Unbiased            | 217.26     | 224.82      | 7.558  |
| 214      | 50       | Unbiased            | 223.61     | 234.59      | 10.979 |
| 1200     | 0        | Correlation         | 217.77     | 218.11      | 0.332  |
| 1201     | 0        | Correlation         | 221.03     | 224.46      | 3.426  |
| 1202     | 0        | Correlation         | 227.04     | 228.47      | 1.428  |
| 1203     | 100      | Biased              | 217.36     | 223.12      | 5.756  |
| 1204     | 100      | Biased              | 224.44     | 231.49      | 7.05   |
| 1205     | 100      | Biased              | 213.36     | 219.94      | 6.578  |
| 1206     | 100      | Biased              | 219.74     | 229.78      | 10.044 |
| 1207     | 100      | Biased              | 218.13     | 222.72      | 4.581  |
| 1208     | 100      | Biased              | 216.5      | 222.37      | 5.87   |
| 1209     | 100      | Unbiased            | 229.19     | 236.17      | 6.977  |
| 1210     | 100      | Unbiased            | 223.45     | 229.36      | 5.903  |
| 1211     | 100      | Unbiased            | 217.07     | 225.47      | 8.405  |
| 1212     | 100      | Unbiased            | 221.93     | 230.53      | 8.601  |
| 1213     | 100      | Unbiased            | 217.26     | 225.64      | 8.373  |
| 1214     | 100      | Unbiased            | 223.61     | 231.05      | 7.44   |

Test Statistics (V/μs)

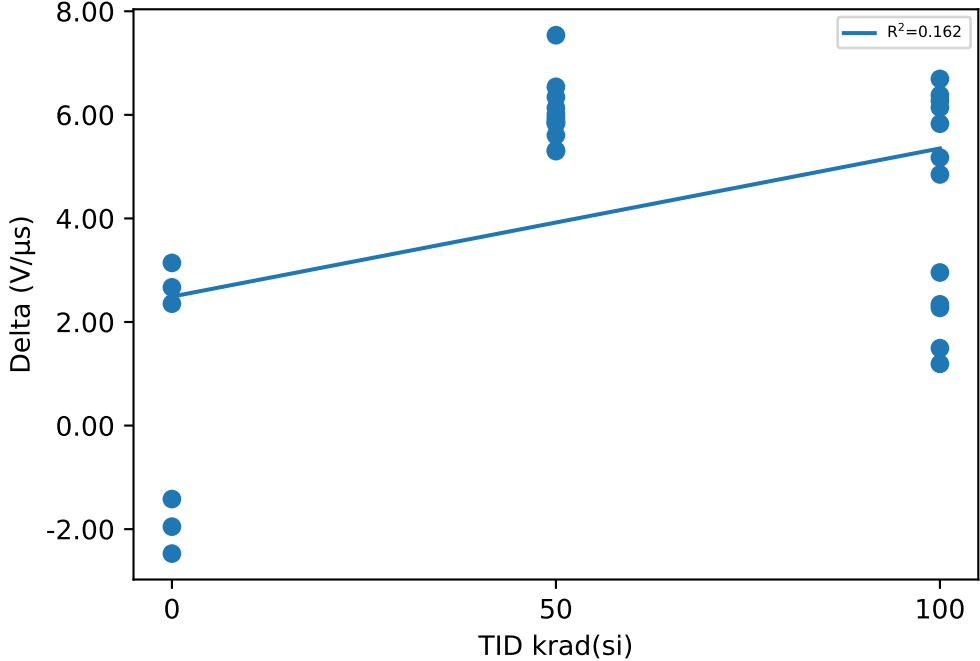
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 217.77           | 221.95           | 227.04           | 4.2045           | 218.11            | 225.31            | 232.29            | 4.905             | 0.332     | 3.3665    | 5.246     | 2.0598    |
| 50       | 213.36           | 220.17           | 229.19           | 4.4259           | 222.19            | 229.36            | 239.76            | 5.1087            | 7.558     | 9.1883    | 10.979    | 1.0672    |
| 100      | 213.36           | 220.17           | 229.19           | 4.4259           | 219.94            | 227.3             | 236.17            | 4.8074            | 4.581     | 7.1315    | 10.044    | 1.5296    |

Device Test: 19.44 ; RESET\_SLEW\_RATE\_FALL

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 44.0 (V/μs))

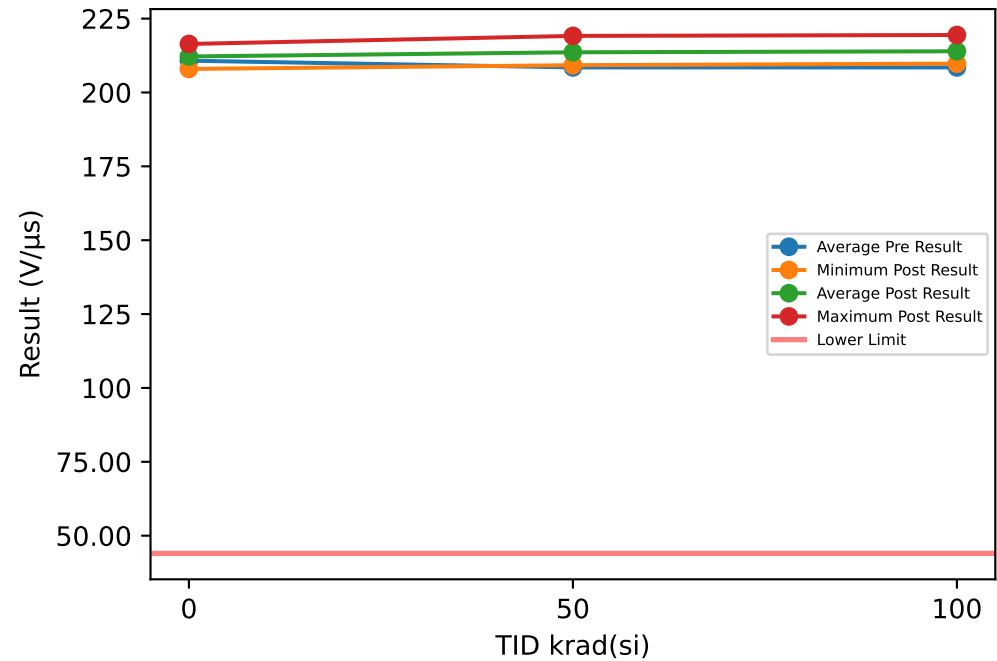
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 182.53     | 184.88      | 2.354  |
| 201      | 0        | Correlation         | 184.37     | 187.04      | 2.669  |
| 202      | 0        | Correlation         | 188.13     | 191.27      | 3.141  |
| 203      | 50       | Biased              | 180.12     | 186         | 5.888  |
| 204      | 50       | Biased              | 187.3      | 193.64      | 6.343  |
| 205      | 50       | Biased              | 179        | 184.32      | 5.314  |
| 206      | 50       | Biased              | 183.74     | 189.34      | 5.605  |
| 207      | 50       | Biased              | 182.13     | 187.43      | 5.299  |
| 208      | 50       | Biased              | 180.14     | 186.16      | 6.016  |
| 209      | 50       | Unbiased            | 188.09     | 194.22      | 6.132  |
| 210      | 50       | Unbiased            | 185.14     | 191.09      | 5.944  |
| 211      | 50       | Unbiased            | 180.14     | 185.98      | 5.846  |
| 212      | 50       | Unbiased            | 184.96     | 191.5       | 6.541  |
| 213      | 50       | Unbiased            | 179.28     | 185.11      | 5.832  |
| 214      | 50       | Unbiased            | 185.54     | 193.08      | 7.538  |
| 1200     | 0        | Correlation         | 182.53     | 180.57      | -1.952 |
| 1201     | 0        | Correlation         | 184.37     | 181.9       | -2.472 |
| 1202     | 0        | Correlation         | 188.13     | 186.71      | -1.419 |
| 1203     | 100      | Biased              | 180.12     | 182.39      | 2.273  |
| 1204     | 100      | Biased              | 187.3      | 189.64      | 2.341  |
| 1205     | 100      | Biased              | 179        | 180.5       | 1.494  |
| 1206     | 100      | Biased              | 183.74     | 189.57      | 5.829  |
| 1207     | 100      | Biased              | 182.13     | 183.32      | 1.192  |
| 1208     | 100      | Biased              | 180.14     | 184.99      | 4.849  |
| 1209     | 100      | Unbiased            | 188.09     | 194.79      | 6.694  |
| 1210     | 100      | Unbiased            | 185.14     | 188.1       | 2.956  |
| 1211     | 100      | Unbiased            | 180.14     | 186.52      | 6.381  |
| 1212     | 100      | Unbiased            | 184.96     | 191.24      | 6.274  |
| 1213     | 100      | Unbiased            | 179.28     | 184.45      | 5.175  |
| 1214     | 100      | Unbiased            | 185.54     | 191.68      | 6.141  |

Test Statistics (V/μs)

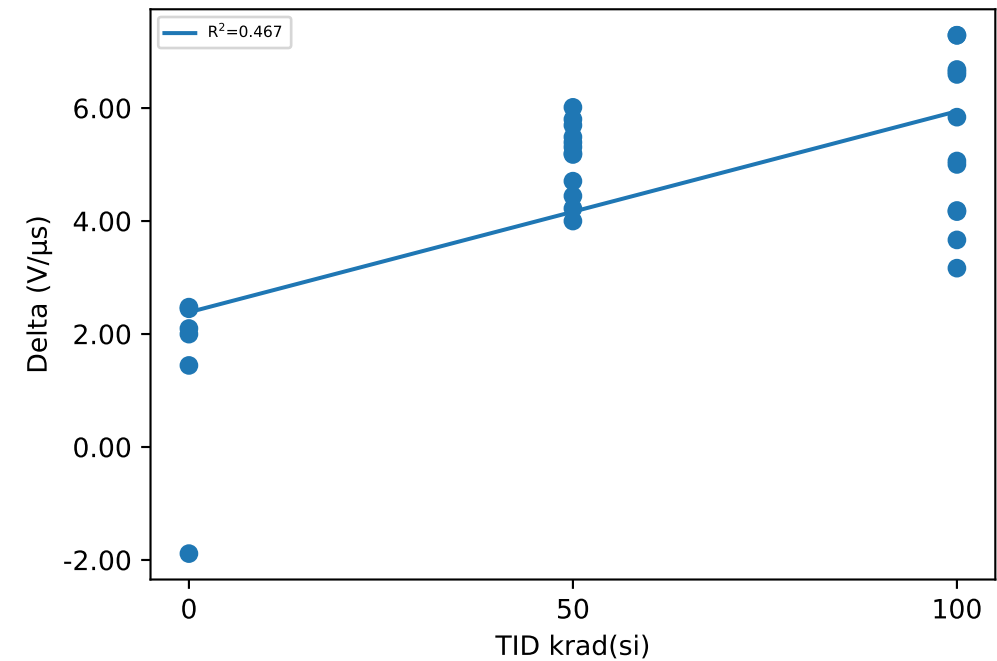
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 182.53           | 185.01           | 188.13           | 2.5553           | 180.57            | 185.4             | 191.27            | 3.8657            | -2.472    | 0.38683   | 3.141     | 2.591     |
| 50       | 179              | 182.97           | 188.09           | 3.2355           | 184.32            | 188.99            | 194.22            | 3.5922            | 5.299     | 6.0248    | 7.538     | 0.60089   |
| 100      | 179              | 182.97           | 188.09           | 3.2355           | 180.5             | 187.27            | 194.79            | 4.288             | 1.192     | 4.2999    | 6.694     | 2.0898    |

Device Test: 19.45 ; RESET\_SLEW\_RATE\_FALL

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 44.0 (V/μs))

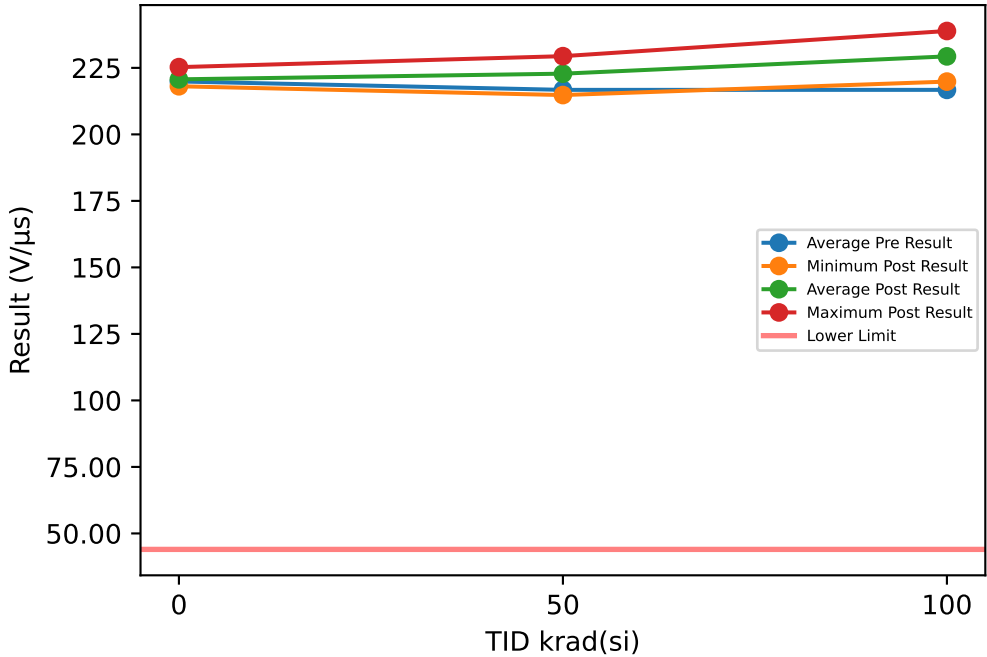
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 208.45     | 209.89      | 1.444  |
| 201      | 0        | Correlation         | 209.86     | 211.86      | 1.998  |
| 202      | 0        | Correlation         | 213.98     | 216.43      | 2.447  |
| 203      | 50       | Biased              | 206.09     | 210.54      | 4.443  |
| 204      | 50       | Biased              | 212.16     | 218.18      | 6.013  |
| 205      | 50       | Biased              | 203.93     | 209.24      | 5.31   |
| 206      | 50       | Biased              | 208.56     | 213.74      | 5.178  |
| 207      | 50       | Biased              | 206.34     | 210.34      | 4      |
| 208      | 50       | Biased              | 205.62     | 210.33      | 4.706  |
| 209      | 50       | Unbiased            | 213.95     | 219.15      | 5.198  |
| 210      | 50       | Unbiased            | 210.8      | 216.29      | 5.488  |
| 211      | 50       | Unbiased            | 206.74     | 210.96      | 4.223  |
| 212      | 50       | Unbiased            | 210.84     | 216.23      | 5.392  |
| 213      | 50       | Unbiased            | 204.39     | 210.08      | 5.695  |
| 214      | 50       | Unbiased            | 212.35     | 218.15      | 5.801  |
| 1200     | 0        | Correlation         | 208.45     | 210.92      | 2.476  |
| 1201     | 0        | Correlation         | 209.86     | 207.97      | -1.887 |
| 1202     | 0        | Correlation         | 213.98     | 216.08      | 2.098  |
| 1203     | 100      | Biased              | 206.09     | 212.74      | 6.642  |
| 1204     | 100      | Biased              | 212.16     | 219.45      | 7.29   |
| 1205     | 100      | Biased              | 203.93     | 209.76      | 5.839  |
| 1206     | 100      | Biased              | 208.56     | 215.25      | 6.683  |
| 1207     | 100      | Biased              | 206.34     | 210         | 3.666  |
| 1208     | 100      | Biased              | 205.62     | 210.68      | 5.063  |
| 1209     | 100      | Unbiased            | 213.95     | 217.11      | 3.166  |
| 1210     | 100      | Unbiased            | 210.8      | 214.97      | 4.167  |
| 1211     | 100      | Unbiased            | 206.74     | 213.33      | 6.595  |
| 1212     | 100      | Unbiased            | 210.84     | 215.03      | 4.187  |
| 1213     | 100      | Unbiased            | 204.39     | 211.68      | 7.288  |
| 1214     | 100      | Unbiased            | 212.35     | 217.35      | 5.002  |

Test Statistics (V/μs)

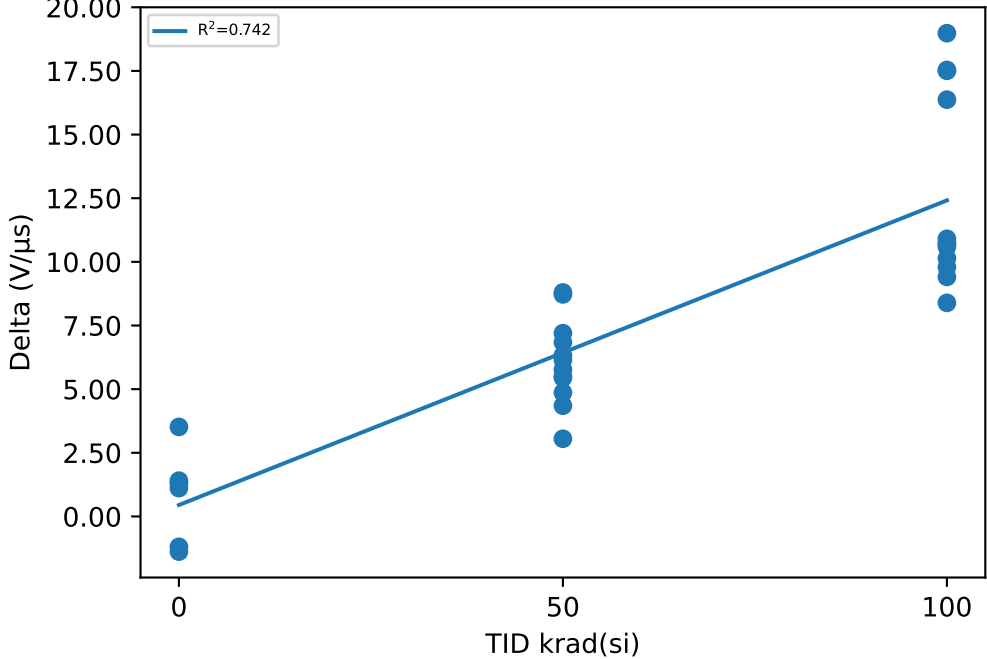
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 208.45           | 210.76           | 213.98           | 2.5709           | 207.97            | 212.19            | 216.43            | 3.4013            | -1.887    | 1.4293    | 2.476     | 1.6673    |
| 50       | 203.93           | 208.48           | 213.95           | 3.4169           | 209.24            | 213.6             | 219.15            | 3.7631            | 4         | 5.1206    | 6.013     | 0.64212   |
| 100      | 203.93           | 208.48           | 213.95           | 3.4169           | 209.76            | 213.95            | 219.45            | 3.1124            | 3.166     | 5.4657    | 7.29      | 1.4509    |

Device Test: 19.46 ; PWRGD\_SLEW\_RATE\_FALL

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 44.0 (V/μs))

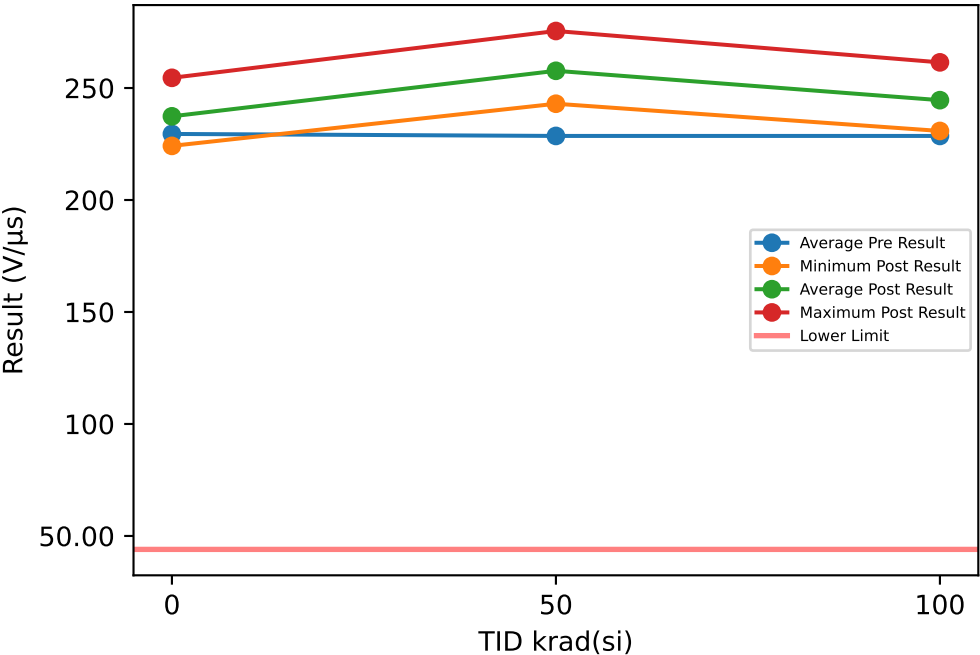
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 219.47     | 218.27      | -1.194 |
| 201      | 0        | Correlation         | 218.46     | 219.57      | 1.112  |
| 202      | 0        | Correlation         | 221.76     | 223.07      | 1.312  |
| 203      | 50       | Biased              | 219.88     | 228.6       | 8.722  |
| 204      | 50       | Biased              | 222.28     | 227.15      | 4.863  |
| 205      | 50       | Biased              | 212.53     | 218.03      | 5.506  |
| 206      | 50       | Biased              | 212.53     | 218.31      | 5.776  |
| 207      | 50       | Biased              | 214.01     | 221.21      | 7.198  |
| 208      | 50       | Biased              | 210.43     | 214.78      | 4.35   |
| 209      | 50       | Unbiased            | 224.21     | 227.26      | 3.051  |
| 210      | 50       | Unbiased            | 220.6      | 226.93      | 6.329  |
| 211      | 50       | Unbiased            | 214.72     | 220.17      | 5.448  |
| 212      | 50       | Unbiased            | 218.24     | 224.39      | 6.148  |
| 213      | 50       | Unbiased            | 210.76     | 217.6       | 6.843  |
| 214      | 50       | Unbiased            | 220.6      | 229.4       | 8.798  |
| 1200     | 0        | Correlation         | 219.47     | 218.08      | -1.381 |
| 1201     | 0        | Correlation         | 218.46     | 219.87      | 1.405  |
| 1202     | 0        | Correlation         | 221.76     | 225.28      | 3.517  |
| 1203     | 100      | Biased              | 219.88     | 238.86      | 18.982 |
| 1204     | 100      | Biased              | 222.28     | 238.66      | 16.372 |
| 1205     | 100      | Biased              | 212.53     | 220.92      | 8.389  |
| 1206     | 100      | Biased              | 212.53     | 223.25      | 10.719 |
| 1207     | 100      | Biased              | 214.01     | 223.81      | 9.793  |
| 1208     | 100      | Biased              | 210.43     | 219.84      | 9.409  |
| 1209     | 100      | Unbiased            | 224.21     | 234.34      | 10.139 |
| 1210     | 100      | Unbiased            | 220.6      | 231.31      | 10.708 |
| 1211     | 100      | Unbiased            | 214.72     | 225.32      | 10.596 |
| 1212     | 100      | Unbiased            | 218.24     | 235.78      | 17.538 |
| 1213     | 100      | Unbiased            | 210.76     | 221.67      | 10.905 |
| 1214     | 100      | Unbiased            | 220.6      | 238.11      | 17.504 |

Test Statistics (V/μs)

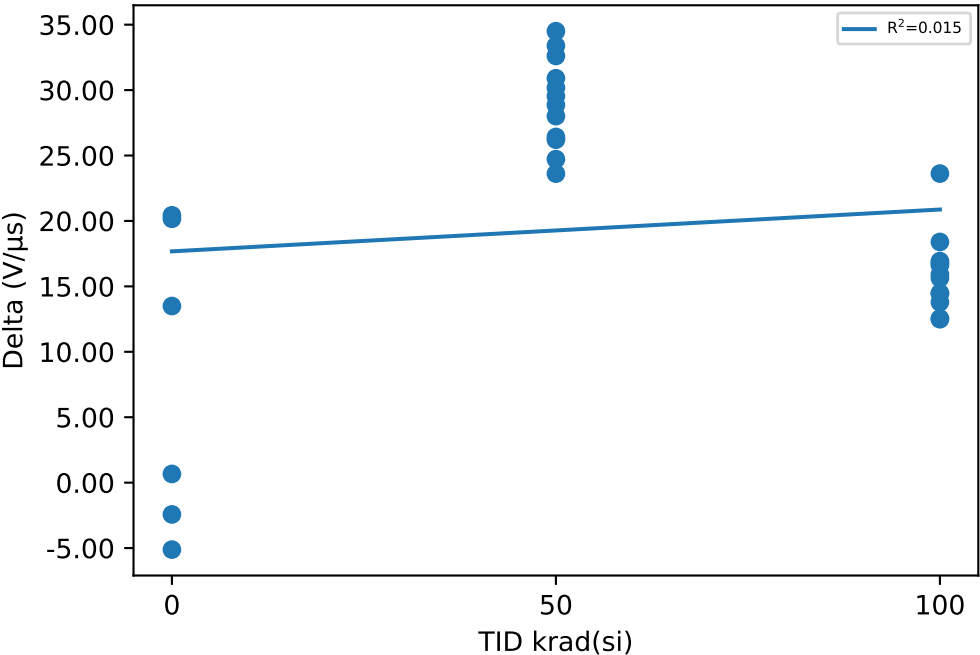
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 218.46           | 219.89           | 221.76           | 1.5129           | 218.08            | 220.69            | 225.28            | 2.8736            | -1.381    | 0.79517   | 3.517     | 1.8352    |
| 50       | 210.43           | 216.73           | 224.21           | 4.7754           | 214.78            | 222.82            | 229.4             | 5.0375            | 3.051     | 6.086     | 8.798     | 1.6716    |
| 100      | 210.43           | 216.73           | 224.21           | 4.7754           | 219.84            | 229.32            | 238.86            | 7.5592            | 8.389     | 12.588    | 18.982    | 3.8049    |

Device Test: 19.47 ; WDO\_SLEW\_RATE\_FALL

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 44.0 (V/μs))

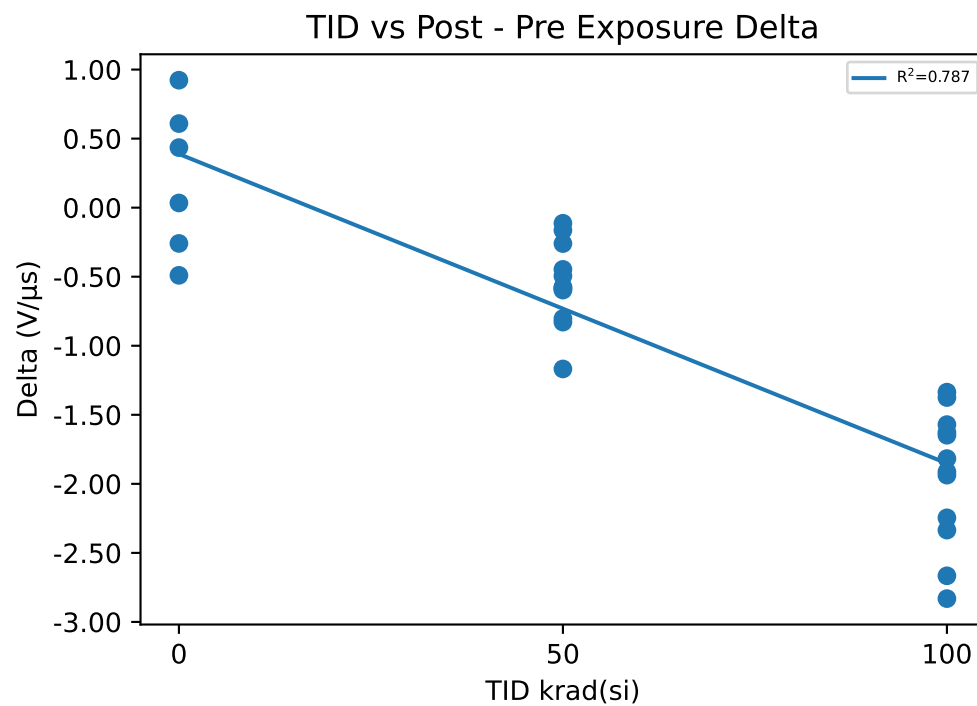
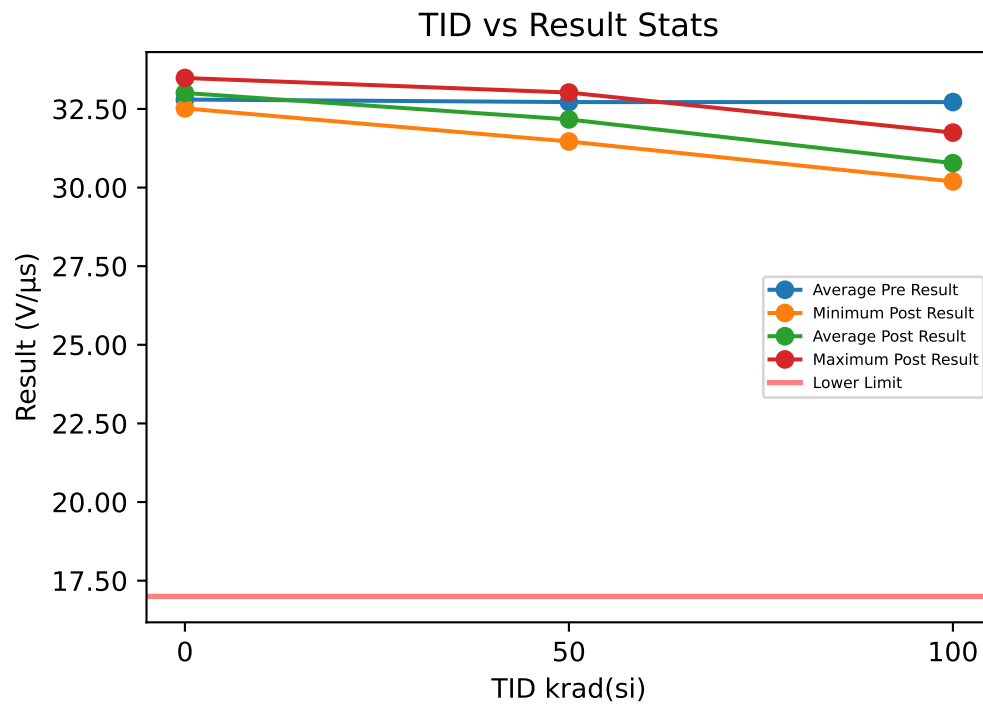
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 225.08     | 238.58      | 13.497 |
| 201      | 0        | Correlation         | 229.28     | 249.44      | 20.165 |
| 202      | 0        | Correlation         | 234.12     | 254.55      | 20.432 |
| 203      | 50       | Biased              | 237.84     | 270.44      | 32.608 |
| 204      | 50       | Biased              | 237.71     | 267.89      | 30.18  |
| 205      | 50       | Biased              | 224.91     | 251.33      | 26.42  |
| 206      | 50       | Biased              | 218.7      | 243.42      | 24.722 |
| 207      | 50       | Biased              | 228.7      | 259.61      | 30.902 |
| 208      | 50       | Biased              | 216.34     | 244.34      | 28.009 |
| 209      | 50       | Unbiased            | 228.07     | 257.61      | 29.542 |
| 210      | 50       | Unbiased            | 229.44     | 258.31      | 28.863 |
| 211      | 50       | Unbiased            | 220.81     | 247.03      | 26.21  |
| 212      | 50       | Unbiased            | 242.07     | 275.46      | 33.39  |
| 213      | 50       | Unbiased            | 219.37     | 242.98      | 23.615 |
| 214      | 50       | Unbiased            | 239.31     | 273.81      | 34.501 |
| 1200     | 0        | Correlation         | 225.08     | 225.75      | 0.666  |
| 1201     | 0        | Correlation         | 229.28     | 224.16      | -5.116 |
| 1202     | 0        | Correlation         | 234.12     | 231.69      | -2.428 |
| 1203     | 100      | Biased              | 237.84     | 261.46      | 23.62  |
| 1204     | 100      | Biased              | 237.71     | 251.5       | 13.792 |
| 1205     | 100      | Biased              | 224.91     | 237.4       | 12.49  |
| 1206     | 100      | Biased              | 218.7      | 234.34      | 15.635 |
| 1207     | 100      | Biased              | 228.7      | 245.63      | 16.928 |
| 1208     | 100      | Biased              | 216.34     | 230.83      | 14.491 |
| 1209     | 100      | Unbiased            | 228.07     | 242.51      | 14.439 |
| 1210     | 100      | Unbiased            | 229.44     | 246.21      | 16.77  |
| 1211     | 100      | Unbiased            | 220.81     | 233.36      | 12.543 |
| 1212     | 100      | Unbiased            | 242.07     | 257.98      | 15.911 |
| 1213     | 100      | Unbiased            | 219.37     | 235.99      | 16.621 |
| 1214     | 100      | Unbiased            | 239.31     | 257.7       | 18.395 |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 225.08           | 229.49           | 234.12           | 4.0439           | 224.16            | 237.36            | 254.55            | 12.523            | -5.116    | 7.8693    | 20.432    | 11.552    |
| 50       | 216.34           | 228.61           | 242.07           | 8.9094           | 242.98            | 257.69            | 275.46            | 12.054            | 23.615    | 29.08     | 34.501    | 3.4446    |
| 100      | 216.34           | 228.61           | 242.07           | 8.9094           | 230.83            | 244.57            | 261.46            | 10.608            | 12.49     | 15.97     | 23.62     | 3.0095    |



Device Test: 19.5 ; WDO\_SLEW\_RATE\_RISE



Test Results (Lower Limit = 17.0 (V/μs))

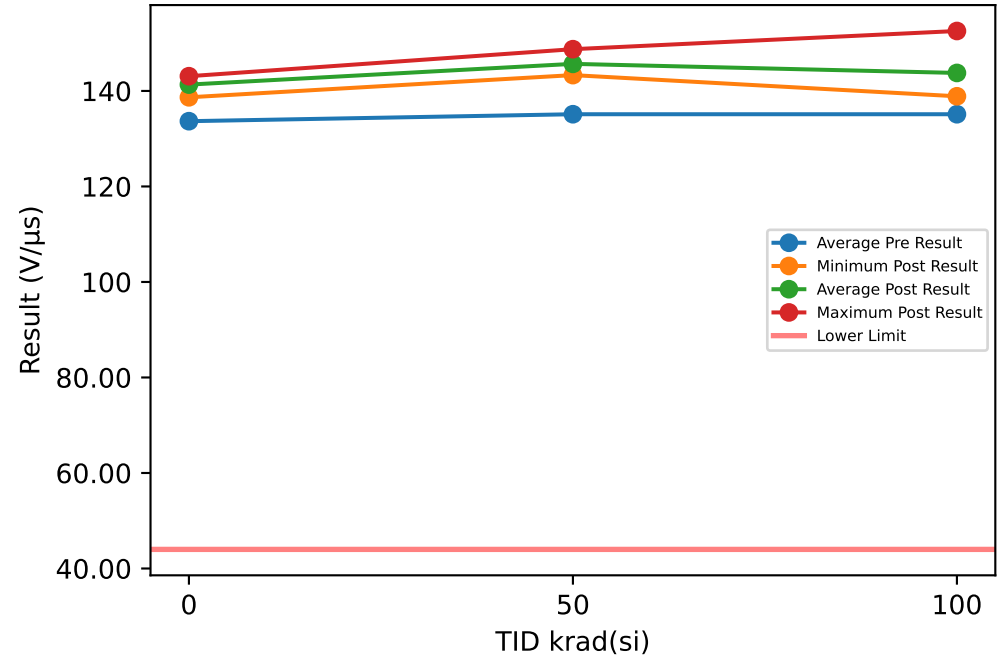
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 32.864     | 33.473      | 0.609  |
| 201      | 0        | Correlation         | 33.45      | 33.484      | 0.034  |
| 202      | 0        | Correlation         | 32.083     | 33.006      | 0.923  |
| 203      | 50       | Biased              | 32.924     | 32.327      | -0.597 |
| 204      | 50       | Biased              | 32.881     | 32.386      | -0.495 |
| 205      | 50       | Biased              | 32.727     | 31.924      | -0.803 |
| 206      | 50       | Biased              | 32.04      | 31.465      | -0.575 |
| 207      | 50       | Biased              | 32.653     | 31.824      | -0.829 |
| 208      | 50       | Biased              | 33.123     | 32.533      | -0.59  |
| 209      | 50       | Unbiased            | 32.441     | 32.277      | -0.164 |
| 210      | 50       | Unbiased            | 33.084     | 32.506      | -0.578 |
| 211      | 50       | Unbiased            | 32.149     | 31.702      | -0.447 |
| 212      | 50       | Unbiased            | 34.19      | 33.022      | -1.168 |
| 213      | 50       | Unbiased            | 32.225     | 31.965      | -0.26  |
| 214      | 50       | Unbiased            | 32.18      | 32.067      | -0.113 |
| 1200     | 0        | Correlation         | 32.864     | 32.605      | -0.259 |
| 1201     | 0        | Correlation         | 33.45      | 32.96       | -0.49  |
| 1202     | 0        | Correlation         | 32.083     | 32.518      | 0.435  |
| 1203     | 100      | Biased              | 32.924     | 31.276      | -1.648 |
| 1204     | 100      | Biased              | 32.881     | 31.545      | -1.336 |
| 1205     | 100      | Biased              | 32.727     | 30.79       | -1.937 |
| 1206     | 100      | Biased              | 32.04      | 30.469      | -1.571 |
| 1207     | 100      | Biased              | 32.653     | 30.318      | -2.335 |
| 1208     | 100      | Biased              | 33.123     | 31.748      | -1.375 |
| 1209     | 100      | Unbiased            | 32.441     | 30.195      | -2.246 |
| 1210     | 100      | Unbiased            | 33.084     | 30.418      | -2.666 |
| 1211     | 100      | Unbiased            | 32.149     | 30.332      | -1.817 |
| 1212     | 100      | Unbiased            | 34.19      | 31.359      | -2.831 |
| 1213     | 100      | Unbiased            | 32.225     | 30.313      | -1.912 |
| 1214     | 100      | Unbiased            | 32.18      | 30.553      | -1.627 |

### Test Statistics (V/ $\mu$ s)

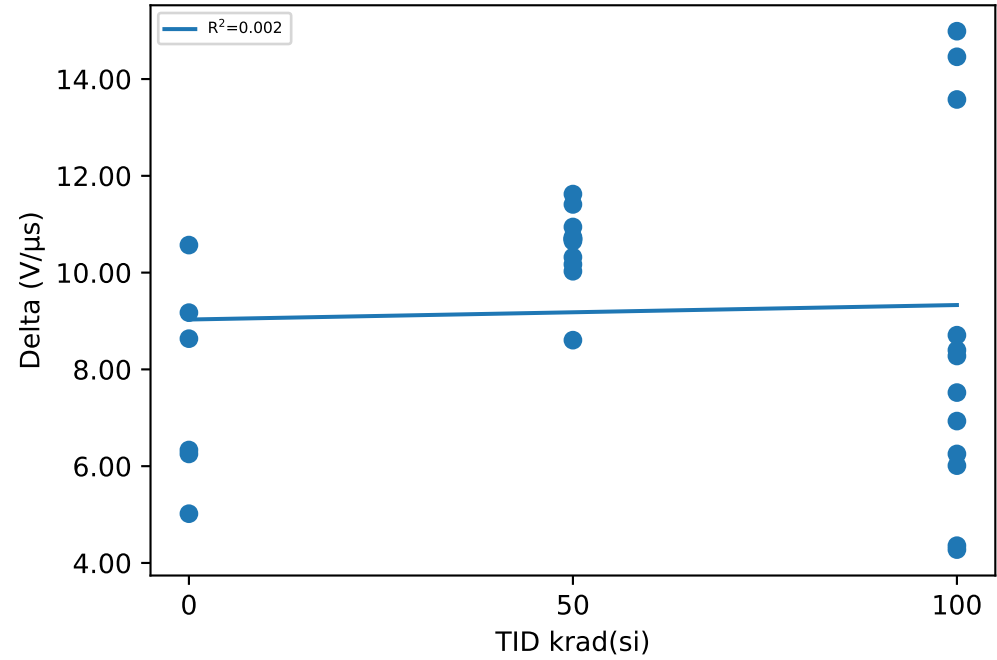
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 32.083           | 32.799           | 33.45            | 0.61341          | 32.518            | 33.008            | 33.484            | 0.41173           | -0.49     | 0.20867   | 0.923     | 0.54021   |
| 50       | 32.04            | 32.718           | 34.19            | 0.59778          | 31.465            | 32.166            | 33.022            | 0.42662           | -1.168    | -0.55158  | -0.113    | 0.29644   |
| 100      | 32.04            | 32.718           | 34.19            | 0.59778          | 30.195            | 30.776            | 31.748            | 0.55245           | -2.831    | -1.9417   | -1.336    | 0.48523   |

Device Test: 19.6 ; RESET\_SLEW\_RATE\_FALL

TID vs Result Stats



TID vs Post - Pre Exposure Delta



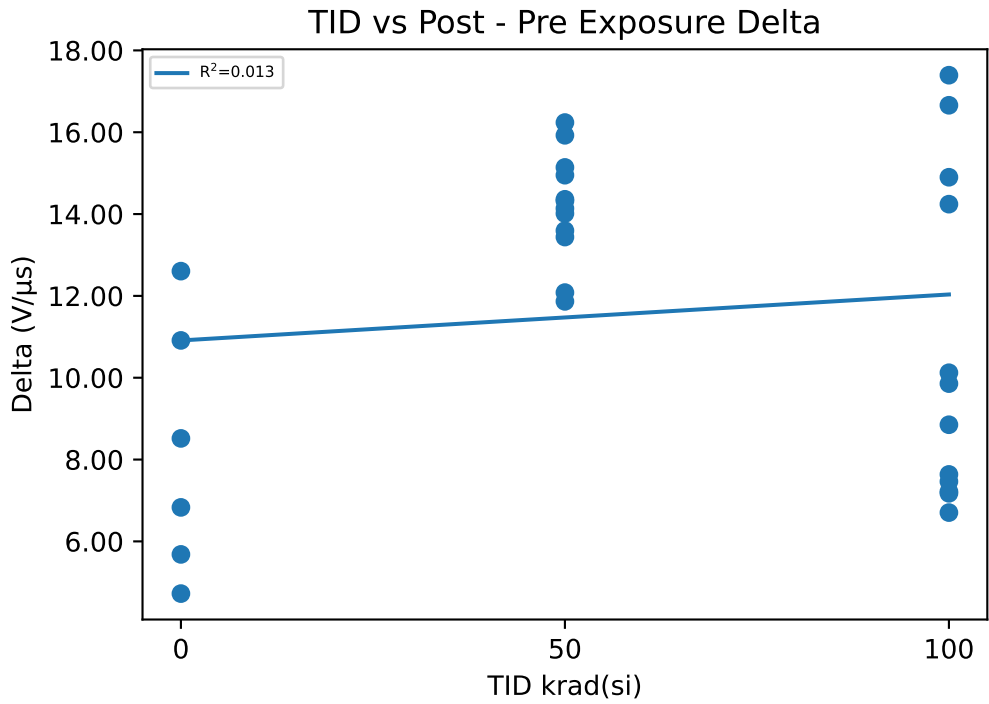
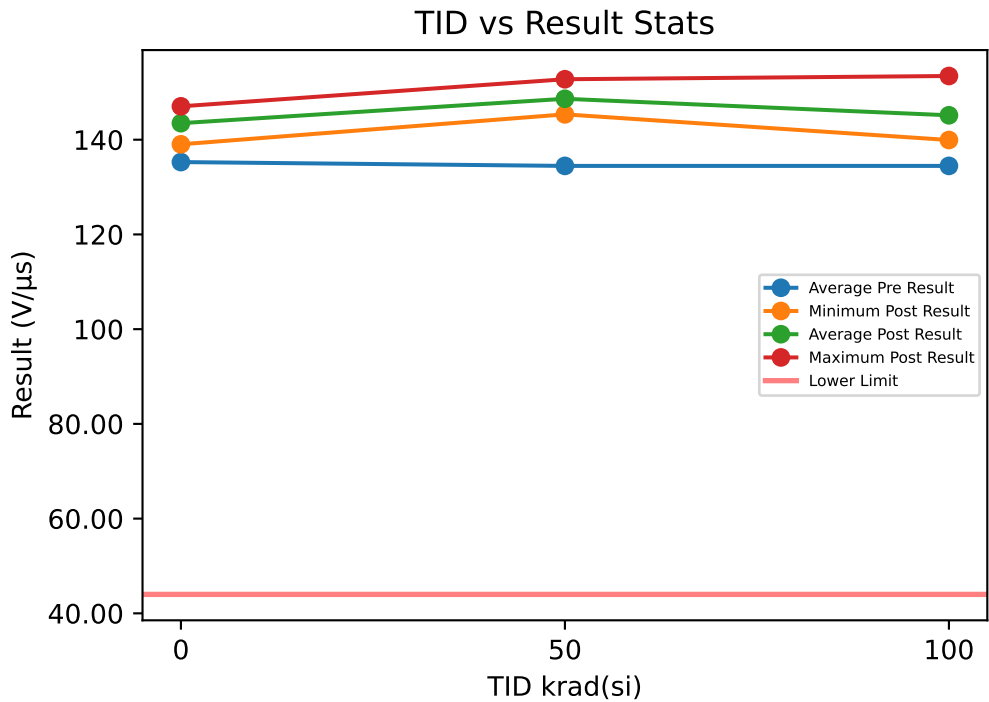
Test Results (Lower Limit = 44.0 (V/μs))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 131.83     | 141         | 9.173  |
| 201      | 0        | Correlation         | 136.75     | 143.09      | 6.334  |
| 202      | 0        | Correlation         | 132.42     | 141.05      | 8.635  |
| 203      | 50       | Biased              | 133.85     | 144.17      | 10.319 |
| 204      | 50       | Biased              | 137.61     | 146.22      | 8.604  |
| 205      | 50       | Biased              | 133.2      | 144.83      | 11.623 |
| 206      | 50       | Biased              | 136.22     | 146.24      | 10.028 |
| 207      | 50       | Biased              | 133.12     | 143.81      | 10.693 |
| 208      | 50       | Biased              | 132.63     | 143.32      | 10.686 |
| 209      | 50       | Unbiased            | 137.2      | 148.61      | 11.409 |
| 210      | 50       | Unbiased            | 138.09     | 148.74      | 10.651 |
| 211      | 50       | Unbiased            | 135.44     | 145.6       | 10.17  |
| 212      | 50       | Unbiased            | 135.95     | 146.68      | 10.734 |
| 213      | 50       | Unbiased            | 134.27     | 145.22      | 10.943 |
| 214      | 50       | Unbiased            | 133.9      | 144.61      | 10.707 |
| 1200     | 0        | Correlation         | 131.83     | 142.4       | 10.569 |
| 1201     | 0        | Correlation         | 136.75     | 141.77      | 5.018  |
| 1202     | 0        | Correlation         | 132.42     | 138.67      | 6.253  |
| 1203     | 100      | Biased              | 133.85     | 142.56      | 8.707  |
| 1204     | 100      | Biased              | 137.61     | 144.54      | 6.932  |
| 1205     | 100      | Biased              | 133.2      | 146.78      | 13.578 |
| 1206     | 100      | Biased              | 136.22     | 140.49      | 4.276  |
| 1207     | 100      | Biased              | 133.12     | 141.52      | 8.398  |
| 1208     | 100      | Biased              | 132.63     | 138.88      | 6.253  |
| 1209     | 100      | Unbiased            | 137.2      | 143.21      | 6.011  |
| 1210     | 100      | Unbiased            | 138.09     | 152.55      | 14.46  |
| 1211     | 100      | Unbiased            | 135.44     | 139.79      | 4.357  |
| 1212     | 100      | Unbiased            | 135.95     | 143.47      | 7.521  |
| 1213     | 100      | Unbiased            | 134.27     | 142.55      | 8.277  |
| 1214     | 100      | Unbiased            | 133.9      | 148.89      | 14.989 |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 131.83           | 133.67           | 136.75           | 2.4047           | 138.67            | 141.33            | 143.09            | 1.5288            | 5.018     | 7.6637    | 10.569    | 2.1175    |
| 50       | 132.63           | 135.12           | 138.09           | 1.8838           | 143.32            | 145.67            | 148.74            | 1.7321            | 8.604     | 10.547    | 11.623    | 0.76327   |
| 100      | 132.63           | 135.12           | 138.09           | 1.8838           | 138.88            | 143.77            | 152.55            | 3.9532            | 4.276     | 8.6466    | 14.989    | 3.7286    |

Device Test: 19.7 ; RESET\_SLEW\_RATE\_FALL

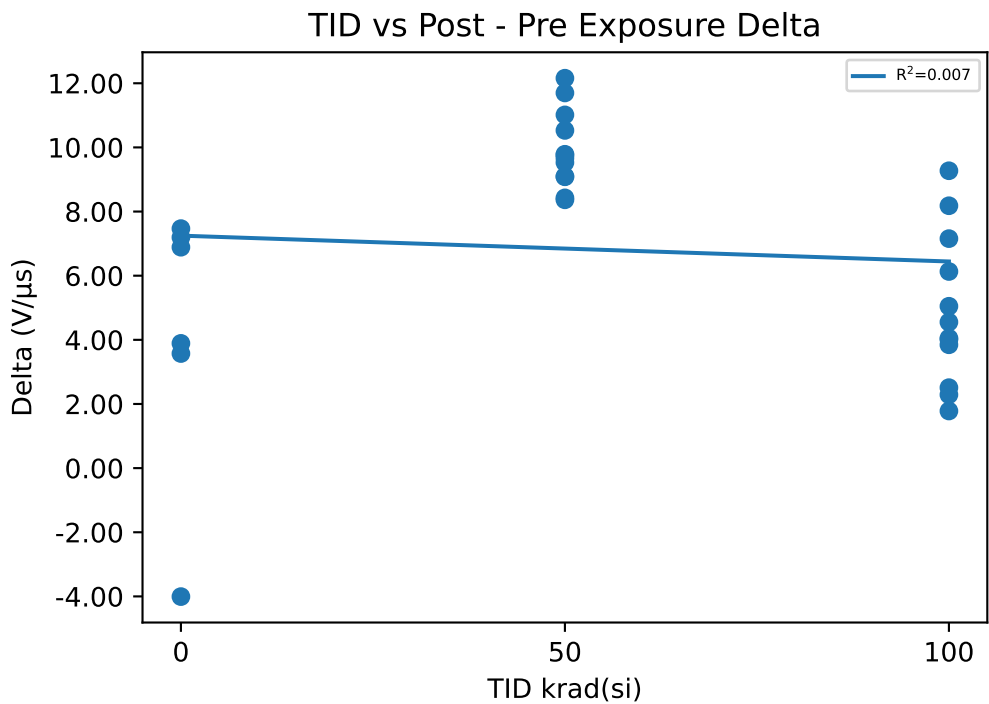
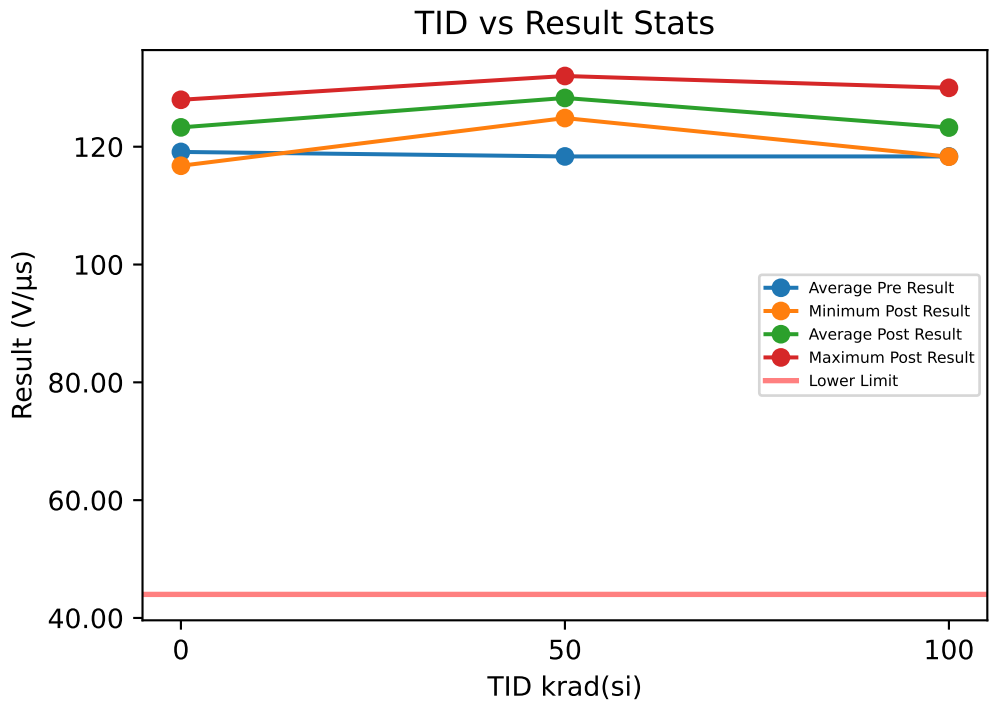


| Test Results (Lower Limit = 44.0 (V/μs)) |          |                     |            |             |        |
|------------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 200                                      | 0        | Correlation         | 133        | 143.91      | 10.912 |
| 201                                      | 0        | Correlation         | 138.53     | 147.04      | 8.517  |
| 202                                      | 0        | Correlation         | 134.3      | 146.91      | 12.605 |
| 203                                      | 50       | Biased              | 133.23     | 146.67      | 13.438 |
| 204                                      | 50       | Biased              | 137.27     | 151.29      | 14.014 |
| 205                                      | 50       | Biased              | 131.03     | 145.35      | 14.322 |
| 206                                      | 50       | Biased              | 133.55     | 147.91      | 14.361 |
| 207                                      | 50       | Biased              | 134.16     | 146.24      | 12.081 |
| 208                                      | 50       | Biased              | 132.28     | 147.42      | 15.14  |
| 209                                      | 50       | Unbiased            | 136.53     | 152.76      | 16.237 |
| 210                                      | 50       | Unbiased            | 136.06     | 151.98      | 15.925 |
| 211                                      | 50       | Unbiased            | 133.7      | 145.57      | 11.866 |
| 212                                      | 50       | Unbiased            | 137.68     | 151.82      | 14.136 |
| 213                                      | 50       | Unbiased            | 132.71     | 146.31      | 13.595 |
| 214                                      | 50       | Unbiased            | 135.41     | 150.36      | 14.95  |
| 1200                                     | 0        | Correlation         | 133        | 139.83      | 6.831  |
| 1201                                     | 0        | Correlation         | 138.53     | 144.21      | 5.682  |
| 1202                                     | 0        | Correlation         | 134.3      | 139.03      | 4.724  |
| 1203                                     | 100      | Biased              | 133.23     | 148.13      | 14.9   |
| 1204                                     | 100      | Biased              | 137.27     | 144.74      | 7.463  |
| 1205                                     | 100      | Biased              | 131.03     | 145.27      | 14.242 |
| 1206                                     | 100      | Biased              | 133.55     | 142.4       | 8.851  |
| 1207                                     | 100      | Biased              | 134.16     | 141.33      | 7.175  |
| 1208                                     | 100      | Biased              | 132.28     | 142.4       | 10.122 |
| 1209                                     | 100      | Unbiased            | 136.53     | 153.19      | 16.659 |
| 1210                                     | 100      | Unbiased            | 136.06     | 153.45      | 17.394 |
| 1211                                     | 100      | Unbiased            | 133.7      | 140.41      | 6.704  |
| 1212                                     | 100      | Unbiased            | 137.68     | 147.54      | 9.856  |
| 1213                                     | 100      | Unbiased            | 132.71     | 139.93      | 7.219  |
| 1214                                     | 100      | Unbiased            | 135.41     | 143.05      | 7.637  |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 133              | 135.28           | 138.53           | 2.5863           | 139.03            | 143.49            | 147.04            | 3.4162            | 4.724     | 8.2118    | 12.605    | 3.071     |
| 50       | 131.03           | 134.47           | 137.68           | 2.1016           | 145.35            | 148.64            | 152.76            | 2.7896            | 11.866    | 14.172    | 16.237    | 1.3323    |
| 100      | 131.03           | 134.47           | 137.68           | 2.1016           | 139.93            | 145.15            | 153.45            | 4.5926            | 6.704     | 10.685    | 17.394    | 3.9925    |

Device Test: 19.8 ; RESET\_SLEW\_RATE\_FALL

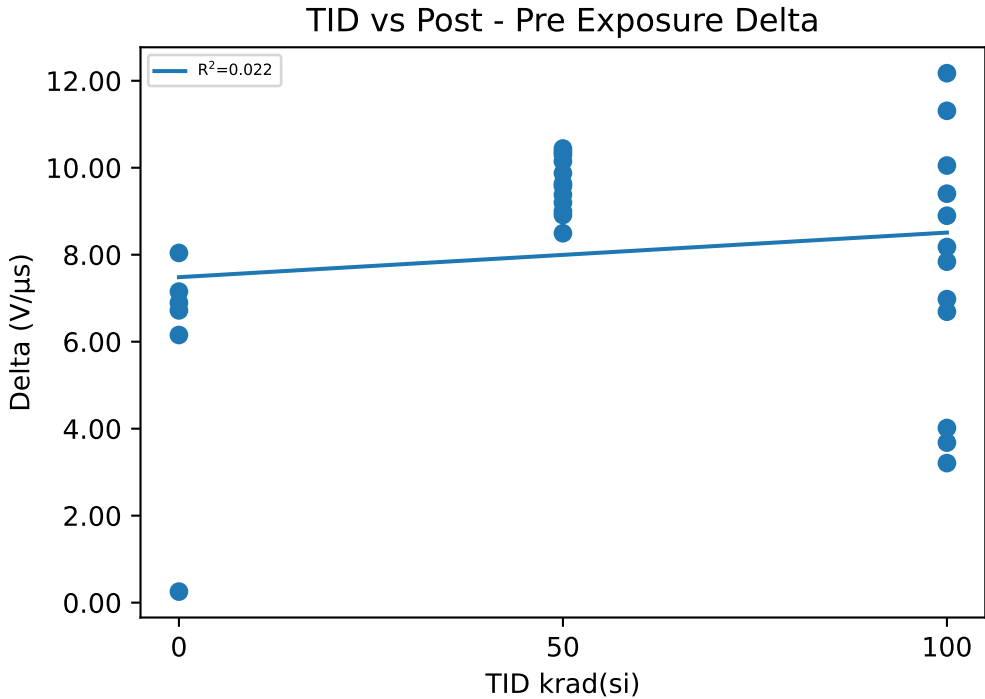
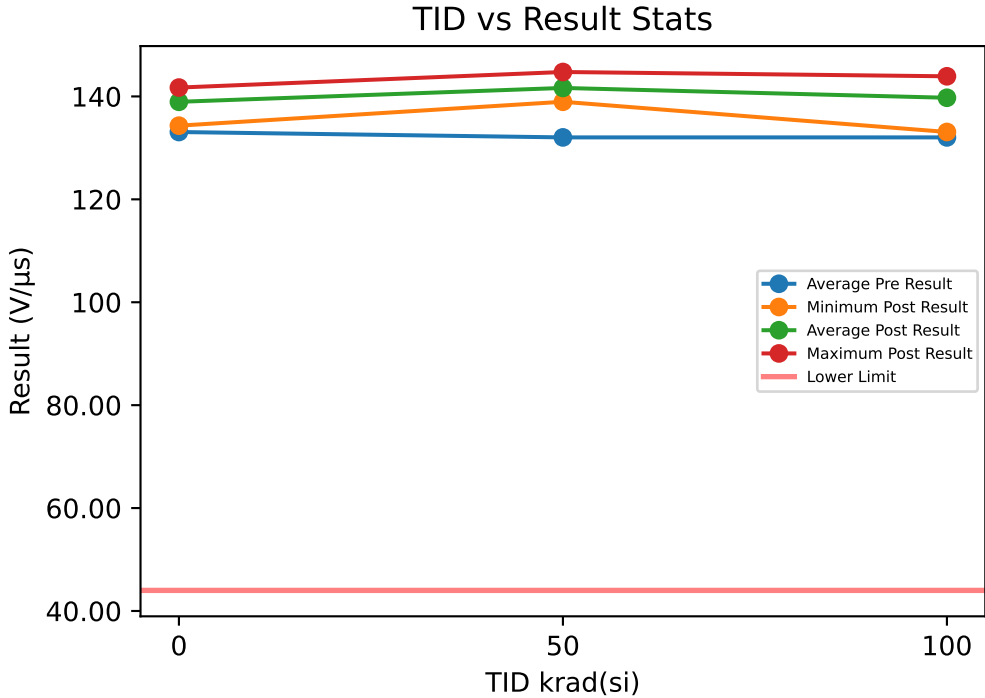


| Test Results (Lower Limit = 44.0 (V/μs)) |          |                     |            |             |        |
|------------------------------------------|----------|---------------------|------------|-------------|--------|
| Serial #                                 | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
| 200                                      | 0        | Correlation         | 117.39     | 124.28      | 6.888  |
| 201                                      | 0        | Correlation         | 119.18     | 126.65      | 7.468  |
| 202                                      | 0        | Correlation         | 120.77     | 127.97      | 7.194  |
| 203                                      | 50       | Biased              | 117.64     | 126         | 8.366  |
| 204                                      | 50       | Biased              | 121.23     | 130.32      | 9.096  |
| 205                                      | 50       | Biased              | 116.44     | 124.86      | 8.427  |
| 206                                      | 50       | Biased              | 118.54     | 128.07      | 9.529  |
| 207                                      | 50       | Biased              | 117.35     | 127.14      | 9.786  |
| 208                                      | 50       | Biased              | 116.53     | 127.06      | 10.53  |
| 209                                      | 50       | Unbiased            | 120.99     | 132         | 11.014 |
| 210                                      | 50       | Unbiased            | 118.73     | 130.43      | 11.698 |
| 211                                      | 50       | Unbiased            | 116.24     | 125.32      | 9.084  |
| 212                                      | 50       | Unbiased            | 120.72     | 130.49      | 9.764  |
| 213                                      | 50       | Unbiased            | 117.08     | 126.75      | 9.668  |
| 214                                      | 50       | Unbiased            | 118.73     | 130.89      | 12.158 |
| 1200                                     | 0        | Correlation         | 117.39     | 120.96      | 3.573  |
| 1201                                     | 0        | Correlation         | 119.18     | 123.07      | 3.89   |
| 1202                                     | 0        | Correlation         | 120.77     | 116.77      | -4.006 |
| 1203                                     | 100      | Biased              | 117.64     | 122.19      | 4.553  |
| 1204                                     | 100      | Biased              | 121.23     | 126.27      | 5.047  |
| 1205                                     | 100      | Biased              | 116.44     | 120.28      | 3.846  |
| 1206                                     | 100      | Biased              | 118.54     | 121.05      | 2.509  |
| 1207                                     | 100      | Biased              | 117.35     | 121.36      | 4.014  |
| 1208                                     | 100      | Biased              | 116.53     | 118.31      | 1.781  |
| 1209                                     | 100      | Unbiased            | 120.99     | 128.15      | 7.156  |
| 1210                                     | 100      | Unbiased            | 118.73     | 122.78      | 4.051  |
| 1211                                     | 100      | Unbiased            | 116.24     | 118.53      | 2.289  |
| 1212                                     | 100      | Unbiased            | 120.72     | 129.99      | 9.272  |
| 1213                                     | 100      | Unbiased            | 117.08     | 123.21      | 6.131  |
| 1214                                     | 100      | Unbiased            | 118.73     | 126.91      | 8.181  |

Test Statistics (V/μs)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 117.39           | 119.11           | 120.77           | 1.5138           | 116.77            | 123.28            | 127.97            | 4.053             | -4.006    | 4.1678    | 7.468     | 4.3518    |
| 50       | 116.24           | 118.35           | 121.23           | 1.8036           | 124.86            | 128.28            | 132               | 2.4337            | 8.366     | 9.9267    | 12.158    | 1.2068    |
| 100      | 116.24           | 118.35           | 121.23           | 1.8036           | 118.31            | 123.25            | 129.99            | 3.7818            | 1.781     | 4.9025    | 9.272     | 2.3646    |

Device Test: 19.9 ; RESET\_SLEW\_RATE\_FALL



Test Results (Lower Limit = 44.0 (V/ $\mu$ s))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 130.62     | 137.51      | 6.897  |
| 201      | 0        | Correlation         | 134.06     | 140.78      | 6.72   |
| 202      | 0        | Correlation         | 134.57     | 140.72      | 6.154  |
| 203      | 50       | Biased              | 129.88     | 139.08      | 9.197  |
| 204      | 50       | Biased              | 135.17     | 144.75      | 9.578  |
| 205      | 50       | Biased              | 128.76     | 139.2       | 10.442 |
| 206      | 50       | Biased              | 131.74     | 141.37      | 9.634  |
| 207      | 50       | Biased              | 130.28     | 140.15      | 9.875  |
| 208      | 50       | Biased              | 131.12     | 140.12      | 8.998  |
| 209      | 50       | Unbiased            | 135.63     | 144.54      | 8.912  |
| 210      | 50       | Unbiased            | 133.68     | 143.83      | 10.149 |
| 211      | 50       | Unbiased            | 130.47     | 138.96      | 8.494  |
| 212      | 50       | Unbiased            | 134.35     | 143.73      | 9.38   |
| 213      | 50       | Unbiased            | 129.68     | 139.98      | 10.301 |
| 214      | 50       | Unbiased            | 133.7      | 144.06      | 10.36  |
| 1200     | 0        | Correlation         | 130.62     | 138.66      | 8.041  |
| 1201     | 0        | Correlation         | 134.06     | 134.32      | 0.254  |
| 1202     | 0        | Correlation         | 134.57     | 141.72      | 7.152  |
| 1203     | 100      | Biased              | 129.88     | 133.09      | 3.209  |
| 1204     | 100      | Biased              | 135.17     | 142.15      | 6.979  |
| 1205     | 100      | Biased              | 128.76     | 140.07      | 11.309 |
| 1206     | 100      | Biased              | 131.74     | 143.91      | 12.174 |
| 1207     | 100      | Biased              | 130.28     | 138.45      | 8.177  |
| 1208     | 100      | Biased              | 131.12     | 137.81      | 6.69   |
| 1209     | 100      | Unbiased            | 135.63     | 139.31      | 3.68   |
| 1210     | 100      | Unbiased            | 133.68     | 137.69      | 4.016  |
| 1211     | 100      | Unbiased            | 130.47     | 140.52      | 10.051 |
| 1212     | 100      | Unbiased            | 134.35     | 143.76      | 9.404  |
| 1213     | 100      | Unbiased            | 129.68     | 137.52      | 7.84   |
| 1214     | 100      | Unbiased            | 133.7      | 142.6       | 8.897  |

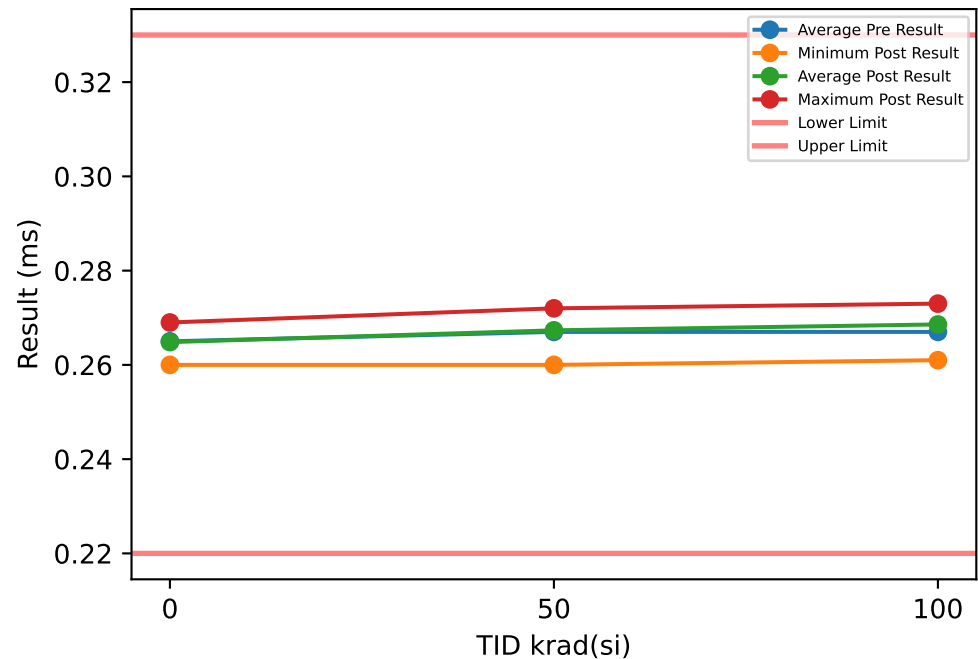
### Test Statistics (V/ $\mu$ s)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 130.62           | 133.08           | 134.57           | 1.9235           | 134.32            | 138.95            | 141.72            | 2.7493            | 0.254     | 5.8697    | 8.041     | 2.8197    |
| 50       | 128.76           | 132.04           | 135.63           | 2.3543           | 138.96            | 141.65            | 144.75            | 2.3378            | 8.494     | 9.61      | 10.442    | 0.63427   |
| 100      | 128.76           | 132.04           | 135.63           | 2.3543           | 133.09            | 139.74            | 143.91            | 3.1204            | 3.209     | 7.7022    | 12.174    | 2.9325    |



Device Test: 5.20 ; DLY\_TMR\_10KOHM

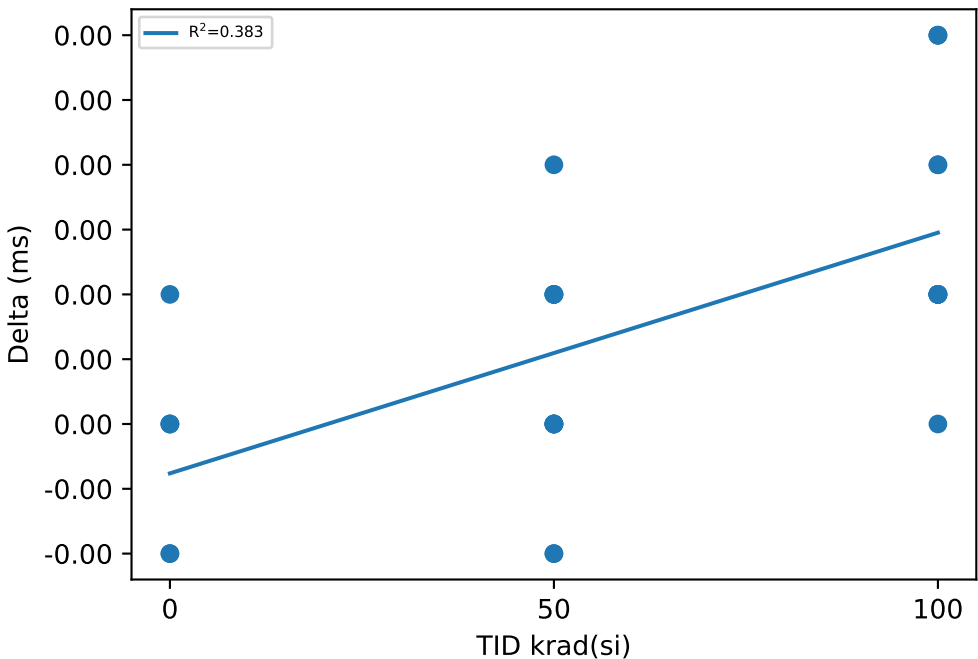
TID vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.268      | 0.268       | 0      |
| 201      | 0        | Correlation         | 0.267      | 0.266       | -0.001 |
| 202      | 0        | Correlation         | 0.26       | 0.26        | 0      |
| 203      | 50       | Biased              | 0.266      | 0.268       | 0.002  |
| 204      | 50       | Biased              | 0.267      | 0.267       | 0      |
| 205      | 50       | Biased              | 0.271      | 0.272       | 0.001  |
| 206      | 50       | Biased              | 0.268      | 0.268       | 0      |
| 207      | 50       | Biased              | 0.267      | 0.267       | 0      |
| 208      | 50       | Biased              | 0.26       | 0.26        | 0      |
| 209      | 50       | Unbiased            | 0.261      | 0.262       | 0.001  |
| 210      | 50       | Unbiased            | 0.267      | 0.268       | 0.001  |
| 211      | 50       | Unbiased            | 0.27       | 0.271       | 0.001  |
| 212      | 50       | Unbiased            | 0.268      | 0.267       | -0.001 |
| 213      | 50       | Unbiased            | 0.271      | 0.27        | -0.001 |
| 214      | 50       | Unbiased            | 0.268      | 0.268       | 0      |
| 1200     | 0        | Correlation         | 0.268      | 0.269       | 0.001  |
| 1201     | 0        | Correlation         | 0.267      | 0.266       | -0.001 |
| 1202     | 0        | Correlation         | 0.26       | 0.26        | 0      |
| 1203     | 100      | Biased              | 0.266      | 0.269       | 0.003  |
| 1204     | 100      | Biased              | 0.267      | 0.268       | 0.001  |
| 1205     | 100      | Biased              | 0.271      | 0.273       | 0.002  |
| 1206     | 100      | Biased              | 0.268      | 0.268       | 0      |
| 1207     | 100      | Biased              | 0.267      | 0.269       | 0.002  |
| 1208     | 100      | Biased              | 0.26       | 0.261       | 0.001  |
| 1209     | 100      | Unbiased            | 0.261      | 0.262       | 0.001  |
| 1210     | 100      | Unbiased            | 0.267      | 0.27        | 0.003  |
| 1211     | 100      | Unbiased            | 0.27       | 0.273       | 0.003  |
| 1212     | 100      | Unbiased            | 0.268      | 0.269       | 0.001  |
| 1213     | 100      | Unbiased            | 0.271      | 0.272       | 0.001  |
| 1214     | 100      | Unbiased            | 0.268      | 0.269       | 0.001  |

TID vs Post - Pre Exposure Delta

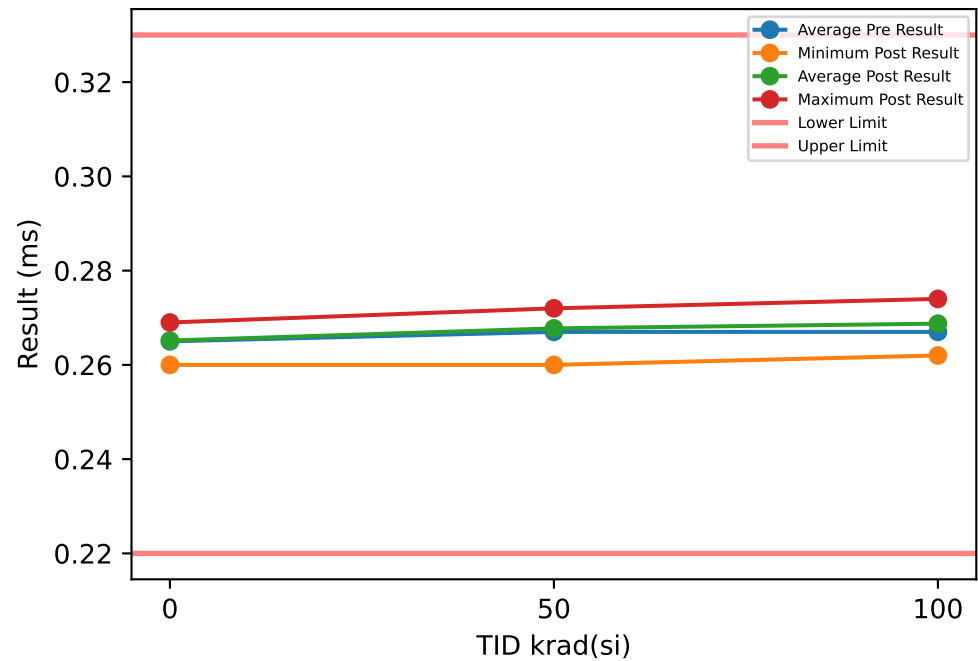


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|------------|
| 0        | 0.26             | 0.265            | 0.268            | 0.0038987        | 0.26              | 0.26483           | 0.269             | 0.00392           | -0.001    | -0.00016667 | 0.001     | 0.00075277 |
| 50       | 0.26             | 0.267            | 0.271            | 0.0034378        | 0.26              | 0.26733           | 0.272             | 0.0033934         | -0.001    | 0.00033333  | 0.002     | 0.00088763 |
| 100      | 0.26             | 0.267            | 0.271            | 0.0034378        | 0.261             | 0.26858           | 0.273             | 0.0037528         | 0         | 0.0015833   | 0.003     | 0.0009962  |

Device Test: 5.21 ; DLY\_TMR\_10KOHM

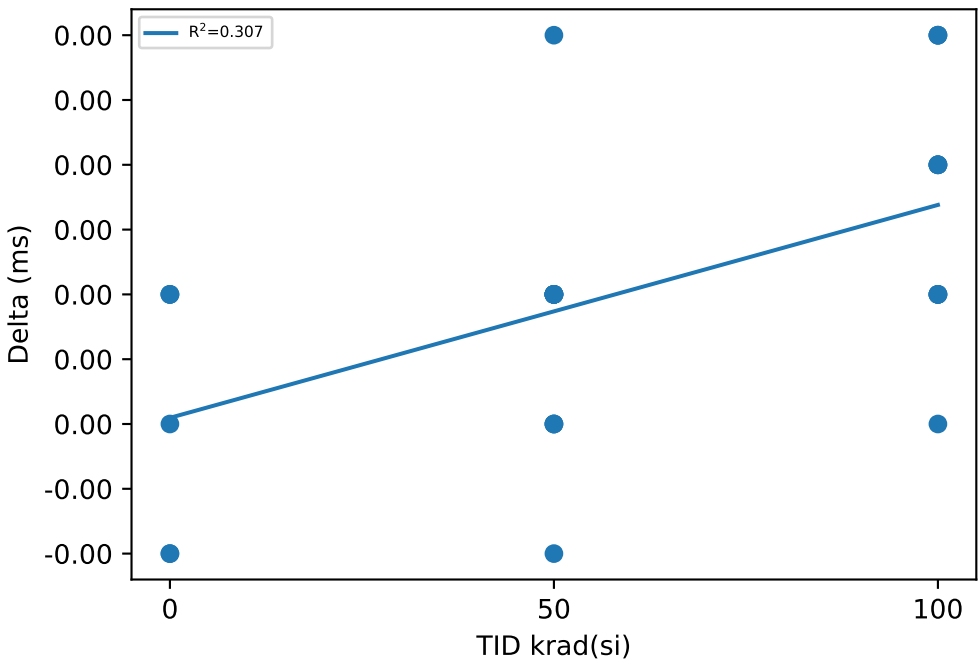
TID vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.268      | 0.269       | 0.001  |
| 201      | 0        | Correlation         | 0.267      | 0.266       | -0.001 |
| 202      | 0        | Correlation         | 0.26       | 0.261       | 0.001  |
| 203      | 50       | Biased              | 0.267      | 0.268       | 0.001  |
| 204      | 50       | Biased              | 0.267      | 0.268       | 0.001  |
| 205      | 50       | Biased              | 0.271      | 0.272       | 0.001  |
| 206      | 50       | Biased              | 0.268      | 0.269       | 0.001  |
| 207      | 50       | Biased              | 0.266      | 0.269       | 0.003  |
| 208      | 50       | Biased              | 0.261      | 0.26        | -0.001 |
| 209      | 50       | Unbiased            | 0.261      | 0.261       | 0      |
| 210      | 50       | Unbiased            | 0.267      | 0.268       | 0.001  |
| 211      | 50       | Unbiased            | 0.271      | 0.271       | 0      |
| 212      | 50       | Unbiased            | 0.267      | 0.268       | 0.001  |
| 213      | 50       | Unbiased            | 0.27       | 0.271       | 0.001  |
| 214      | 50       | Unbiased            | 0.268      | 0.268       | 0      |
| 1200     | 0        | Correlation         | 0.268      | 0.269       | 0.001  |
| 1201     | 0        | Correlation         | 0.267      | 0.266       | -0.001 |
| 1202     | 0        | Correlation         | 0.26       | 0.26        | 0      |
| 1203     | 100      | Biased              | 0.267      | 0.27        | 0.003  |
| 1204     | 100      | Biased              | 0.267      | 0.268       | 0.001  |
| 1205     | 100      | Biased              | 0.271      | 0.274       | 0.003  |
| 1206     | 100      | Biased              | 0.268      | 0.27        | 0.002  |
| 1207     | 100      | Biased              | 0.266      | 0.269       | 0.003  |
| 1208     | 100      | Biased              | 0.261      | 0.262       | 0.001  |
| 1209     | 100      | Unbiased            | 0.261      | 0.262       | 0.001  |
| 1210     | 100      | Unbiased            | 0.267      | 0.269       | 0.002  |
| 1211     | 100      | Unbiased            | 0.271      | 0.271       | 0      |
| 1212     | 100      | Unbiased            | 0.267      | 0.269       | 0.002  |
| 1213     | 100      | Unbiased            | 0.27       | 0.272       | 0.002  |
| 1214     | 100      | Unbiased            | 0.268      | 0.269       | 0.001  |

TID vs Post - Pre Exposure Delta

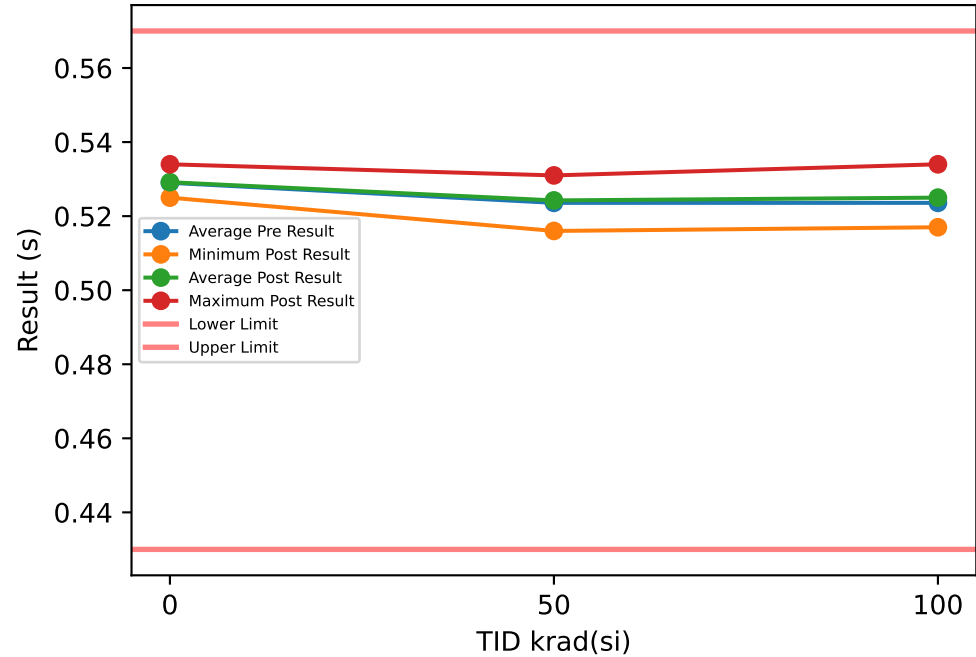


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|------------|
| 0        | 0.26             | 0.265            | 0.268            | 0.0038987        | 0.26              | 0.26517           | 0.269             | 0.0038687         | -0.001    | 0.00016667 | 0.001     | 0.00098319 |
| 50       | 0.261            | 0.267            | 0.271            | 0.0032474        | 0.26              | 0.26775           | 0.272             | 0.0036711         | -0.001    | 0.00075    | 0.003     | 0.00096531 |
| 100      | 0.261            | 0.267            | 0.271            | 0.0032474        | 0.262             | 0.26875           | 0.274             | 0.0035452         | 0         | 0.00175    | 0.003     | 0.00096531 |

Device Test: 5.22 ; WD\_TMR\_10KOHM

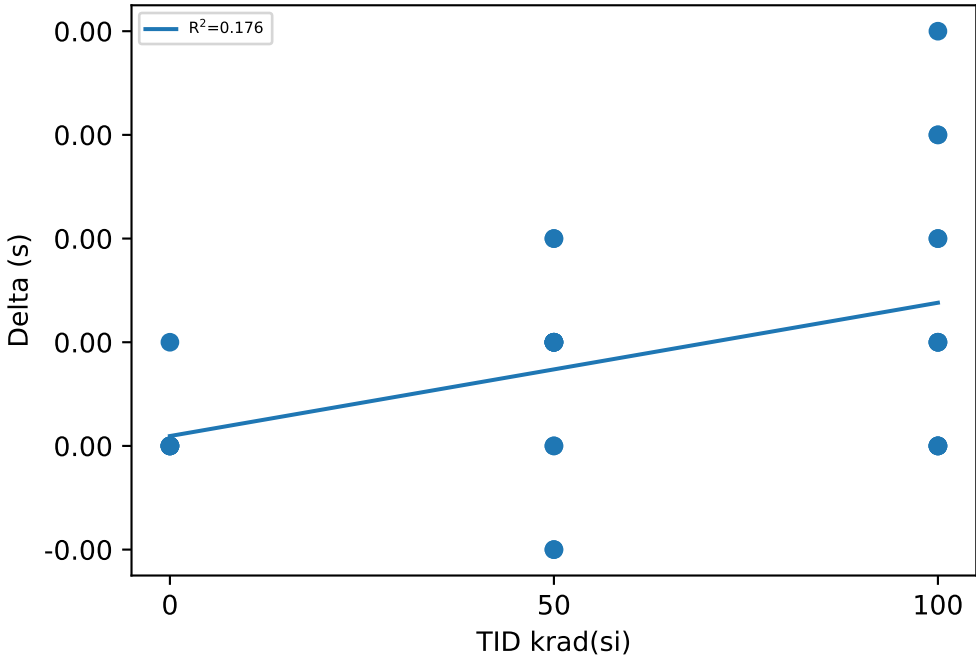
TID vs Result Stats



Test Results (Lower Limit = 0.43, Upper Limit = 0.57 (s))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.534      | 0.534       | 0      |
| 201      | 0        | Correlation         | 0.525      | 0.525       | 0      |
| 202      | 0        | Correlation         | 0.528      | 0.528       | 0      |
| 203      | 50       | Biased              | 0.519      | 0.52        | 0.001  |
| 204      | 50       | Biased              | 0.519      | 0.521       | 0.002  |
| 205      | 50       | Biased              | 0.522      | 0.523       | 0.001  |
| 206      | 50       | Biased              | 0.53       | 0.531       | 0.001  |
| 207      | 50       | Biased              | 0.525      | 0.526       | 0.001  |
| 208      | 50       | Biased              | 0.525      | 0.524       | -0.001 |
| 209      | 50       | Unbiased            | 0.521      | 0.522       | 0.001  |
| 210      | 50       | Unbiased            | 0.516      | 0.516       | 0      |
| 211      | 50       | Unbiased            | 0.527      | 0.528       | 0.001  |
| 212      | 50       | Unbiased            | 0.53       | 0.53        | 0      |
| 213      | 50       | Unbiased            | 0.524      | 0.523       | -0.001 |
| 214      | 50       | Unbiased            | 0.525      | 0.527       | 0.002  |
| 1200     | 0        | Correlation         | 0.534      | 0.534       | 0      |
| 1201     | 0        | Correlation         | 0.525      | 0.525       | 0      |
| 1202     | 0        | Correlation         | 0.528      | 0.529       | 0.001  |
| 1203     | 100      | Biased              | 0.519      | 0.52        | 0.001  |
| 1204     | 100      | Biased              | 0.519      | 0.522       | 0.003  |
| 1205     | 100      | Biased              | 0.522      | 0.524       | 0.002  |
| 1206     | 100      | Biased              | 0.53       | 0.534       | 0.004  |
| 1207     | 100      | Biased              | 0.525      | 0.528       | 0.003  |
| 1208     | 100      | Biased              | 0.525      | 0.525       | 0      |
| 1209     | 100      | Unbiased            | 0.521      | 0.523       | 0.002  |
| 1210     | 100      | Unbiased            | 0.516      | 0.517       | 0.001  |
| 1211     | 100      | Unbiased            | 0.527      | 0.527       | 0      |
| 1212     | 100      | Unbiased            | 0.53       | 0.53        | 0      |
| 1213     | 100      | Unbiased            | 0.524      | 0.524       | 0      |
| 1214     | 100      | Unbiased            | 0.525      | 0.526       | 0.001  |

TID vs Post - Pre Exposure Delta

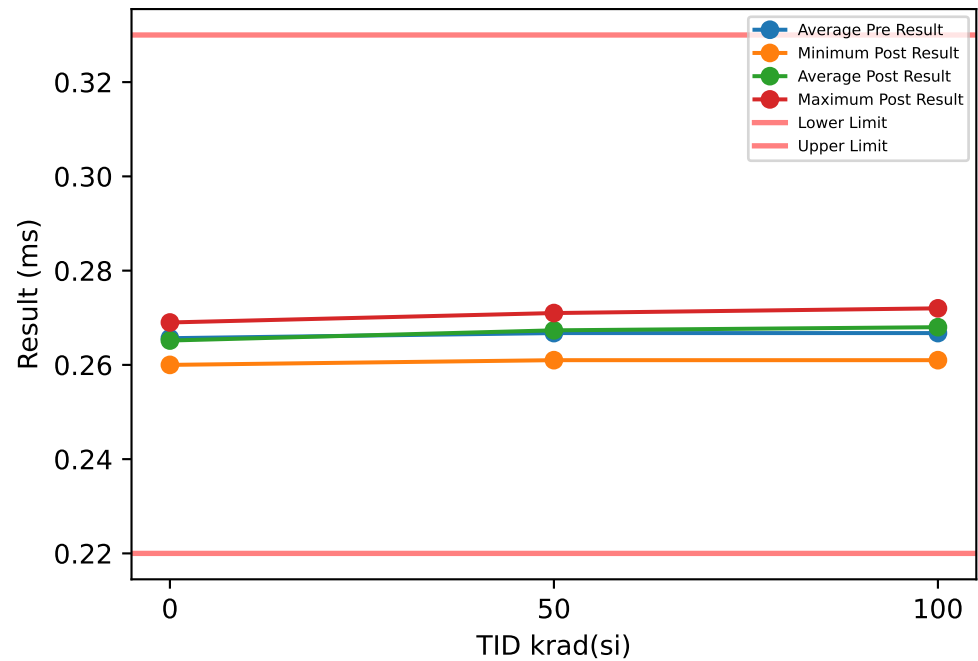


Test Statistics (s)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|------------|
| 0        | 0.525            | 0.529            | 0.534            | 0.0040988        | 0.525             | 0.52917           | 0.534             | 0.0040702         | 0         | 0.00016667 | 0.001     | 0.00040825 |
| 50       | 0.516            | 0.52358          | 0.53             | 0.004358         | 0.516             | 0.52425           | 0.531             | 0.0043511         | -0.001    | 0.00066667 | 0.002     | 0.00098473 |
| 100      | 0.516            | 0.52358          | 0.53             | 0.004358         | 0.517             | 0.525             | 0.534             | 0.0045126         | 0         | 0.0014167  | 0.004     | 0.001379   |

Device Test: 5.23 ; DLY\_TMR\_10KOHM

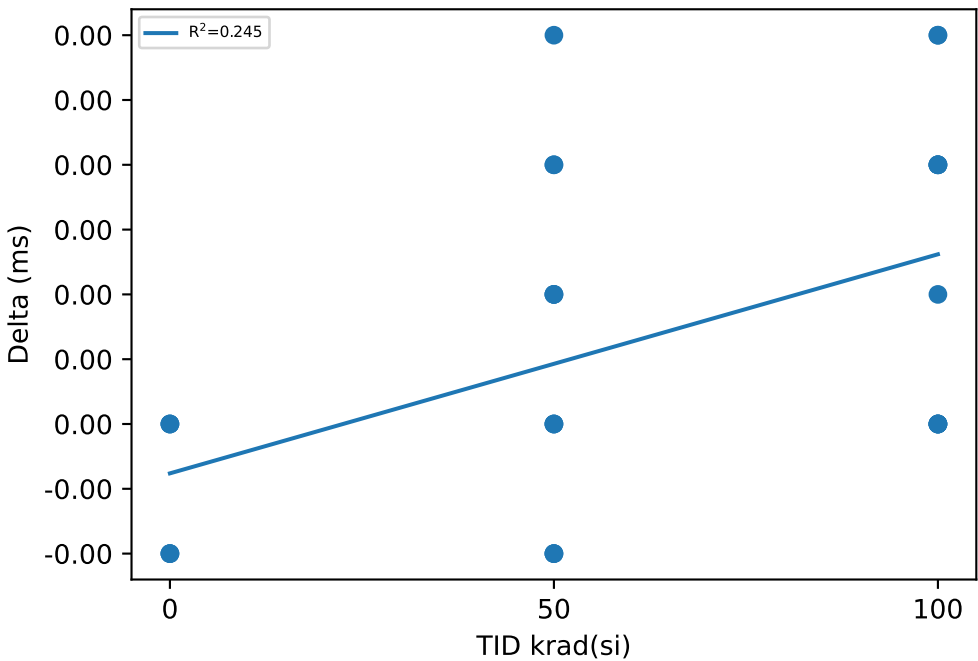
TID vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.269      | 0.269       | 0      |
| 201      | 0        | Correlation         | 0.267      | 0.266       | -0.001 |
| 202      | 0        | Correlation         | 0.261      | 0.26        | -0.001 |
| 203      | 50       | Biased              | 0.267      | 0.267       | 0      |
| 204      | 50       | Biased              | 0.267      | 0.266       | -0.001 |
| 205      | 50       | Biased              | 0.27       | 0.271       | 0.001  |
| 206      | 50       | Biased              | 0.269      | 0.269       | 0      |
| 207      | 50       | Biased              | 0.266      | 0.268       | 0.002  |
| 208      | 50       | Biased              | 0.259      | 0.261       | 0.002  |
| 209      | 50       | Unbiased            | 0.259      | 0.262       | 0.003  |
| 210      | 50       | Unbiased            | 0.268      | 0.269       | 0.001  |
| 211      | 50       | Unbiased            | 0.271      | 0.27        | -0.001 |
| 212      | 50       | Unbiased            | 0.268      | 0.267       | -0.001 |
| 213      | 50       | Unbiased            | 0.269      | 0.27        | 0.001  |
| 214      | 50       | Unbiased            | 0.268      | 0.268       | 0      |
| 1200     | 0        | Correlation         | 0.269      | 0.269       | 0      |
| 1201     | 0        | Correlation         | 0.267      | 0.267       | 0      |
| 1202     | 0        | Correlation         | 0.261      | 0.26        | -0.001 |
| 1203     | 100      | Biased              | 0.267      | 0.269       | 0.002  |
| 1204     | 100      | Biased              | 0.267      | 0.267       | 0      |
| 1205     | 100      | Biased              | 0.27       | 0.272       | 0.002  |
| 1206     | 100      | Biased              | 0.269      | 0.269       | 0      |
| 1207     | 100      | Biased              | 0.266      | 0.269       | 0.003  |
| 1208     | 100      | Biased              | 0.259      | 0.261       | 0.002  |
| 1209     | 100      | Unbiased            | 0.259      | 0.262       | 0.003  |
| 1210     | 100      | Unbiased            | 0.268      | 0.27        | 0.002  |
| 1211     | 100      | Unbiased            | 0.271      | 0.271       | 0      |
| 1212     | 100      | Unbiased            | 0.268      | 0.268       | 0      |
| 1213     | 100      | Unbiased            | 0.269      | 0.27        | 0.001  |
| 1214     | 100      | Unbiased            | 0.268      | 0.268       | 0      |

TID vs Post - Pre Exposure Delta

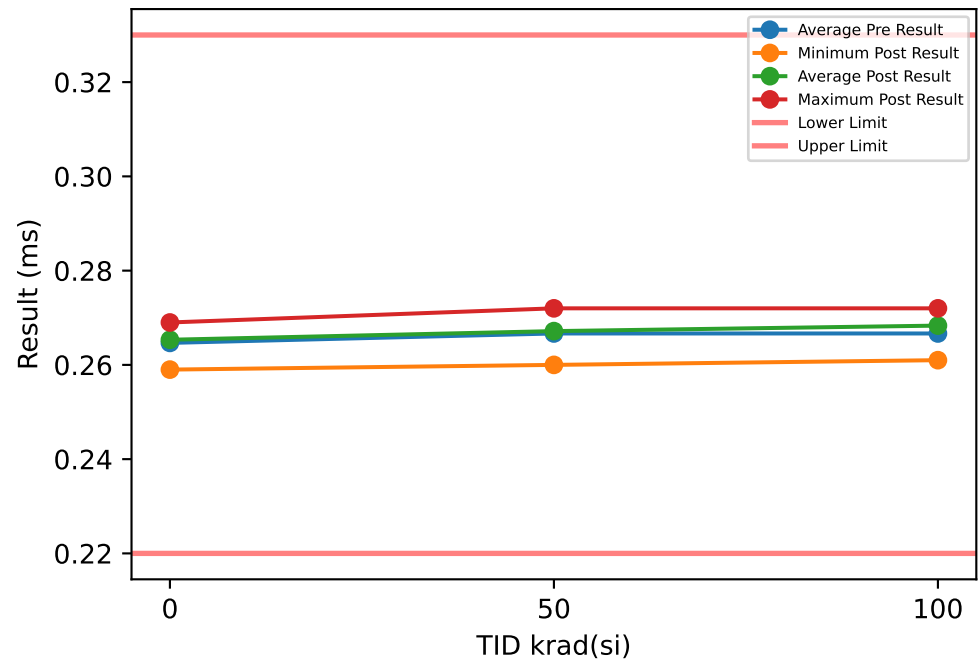


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|------------|
| 0        | 0.261            | 0.26567          | 0.269            | 0.0037238        | 0.26              | 0.26517           | 0.269             | 0.0041673         | -0.001    | -0.0005    | 0         | 0.00054772 |
| 50       | 0.259            | 0.26675          | 0.271            | 0.0038642        | 0.261             | 0.26733           | 0.271             | 0.0030847         | -0.001    | 0.00058333 | 0.003     | 0.0013114  |
| 100      | 0.259            | 0.26675          | 0.271            | 0.0038642        | 0.261             | 0.268             | 0.272             | 0.0033303         | 0         | 0.00125    | 0.003     | 0.0012154  |

Device Test: 5.24 ; DLY\_TMR\_10KOHM

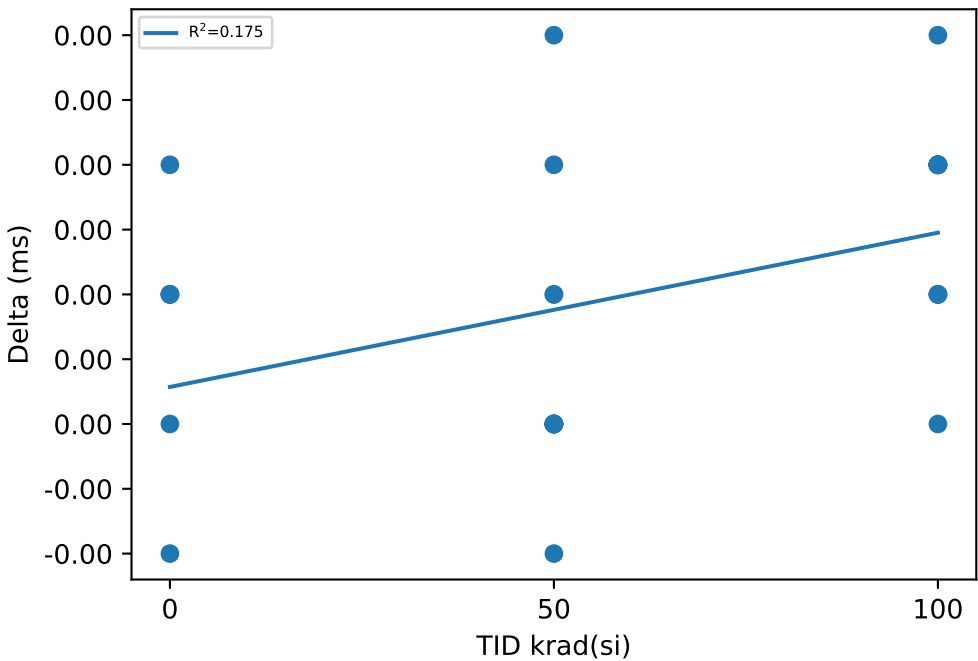
TID vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.268      | 0.269       | 0.001  |
| 201      | 0        | Correlation         | 0.266      | 0.267       | 0.001  |
| 202      | 0        | Correlation         | 0.26       | 0.259       | -0.001 |
| 203      | 50       | Biased              | 0.266      | 0.267       | 0.001  |
| 204      | 50       | Biased              | 0.267      | 0.266       | -0.001 |
| 205      | 50       | Biased              | 0.27       | 0.272       | 0.002  |
| 206      | 50       | Biased              | 0.267      | 0.27        | 0.003  |
| 207      | 50       | Biased              | 0.267      | 0.267       | 0      |
| 208      | 50       | Biased              | 0.26       | 0.26        | 0      |
| 209      | 50       | Unbiased            | 0.261      | 0.261       | 0      |
| 210      | 50       | Unbiased            | 0.268      | 0.268       | 0      |
| 211      | 50       | Unbiased            | 0.27       | 0.27        | 0      |
| 212      | 50       | Unbiased            | 0.267      | 0.267       | 0      |
| 213      | 50       | Unbiased            | 0.27       | 0.27        | 0      |
| 214      | 50       | Unbiased            | 0.267      | 0.268       | 0.001  |
| 1200     | 0        | Correlation         | 0.268      | 0.269       | 0.001  |
| 1201     | 0        | Correlation         | 0.266      | 0.268       | 0.002  |
| 1202     | 0        | Correlation         | 0.26       | 0.26        | 0      |
| 1203     | 100      | Biased              | 0.266      | 0.269       | 0.003  |
| 1204     | 100      | Biased              | 0.267      | 0.269       | 0.002  |
| 1205     | 100      | Biased              | 0.27       | 0.272       | 0.002  |
| 1206     | 100      | Biased              | 0.267      | 0.269       | 0.002  |
| 1207     | 100      | Biased              | 0.267      | 0.269       | 0.002  |
| 1208     | 100      | Biased              | 0.26       | 0.261       | 0.001  |
| 1209     | 100      | Unbiased            | 0.261      | 0.261       | 0      |
| 1210     | 100      | Unbiased            | 0.268      | 0.269       | 0.001  |
| 1211     | 100      | Unbiased            | 0.27       | 0.272       | 0.002  |
| 1212     | 100      | Unbiased            | 0.267      | 0.268       | 0.001  |
| 1213     | 100      | Unbiased            | 0.27       | 0.272       | 0.002  |
| 1214     | 100      | Unbiased            | 0.267      | 0.269       | 0.002  |

TID vs Post - Pre Exposure Delta



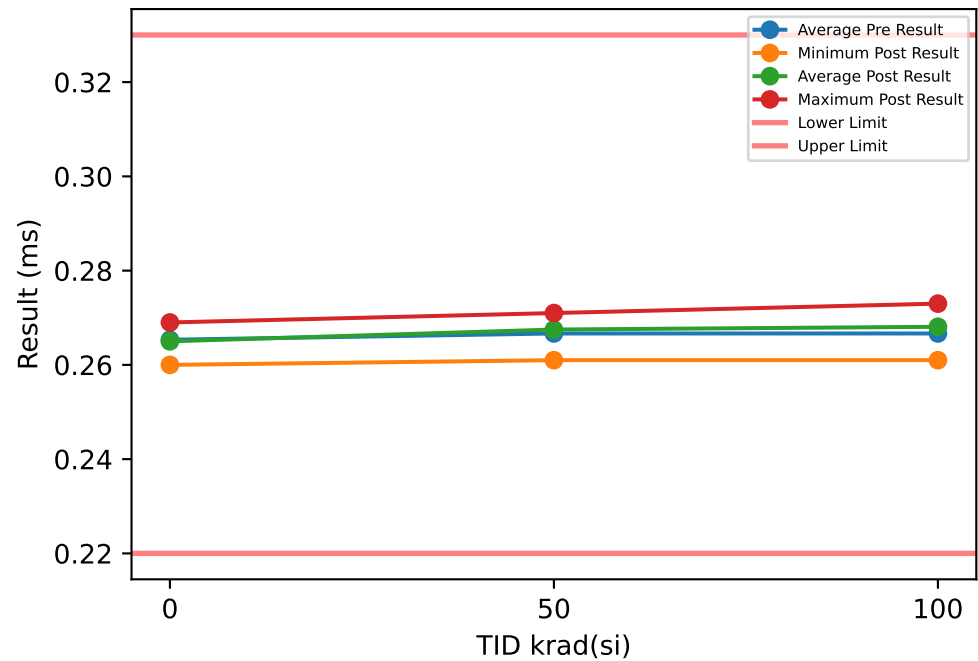
Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 0.26             | 0.26467          | 0.268            | 0.0037238        | 0.259             | 0.26533           | 0.269             | 0.0045898         | -0.001    | 0.00066667 | 0.002     | 0.0010328 |
| 50       | 0.26             | 0.26667          | 0.27             | 0.0032004        | 0.26              | 0.26717           | 0.272             | 0.0035633         | -0.001    | 0.0005     | 0.003     | 0.0010871 |
| 100      | 0.26             | 0.26667          | 0.27             | 0.0032004        | 0.261             | 0.26833           | 0.272             | 0.0037009         | 0         | 0.0016667  | 0.003     | 0.0007785 |



Device Test: 5.25 ; DLY\_TMR\_10KOHM

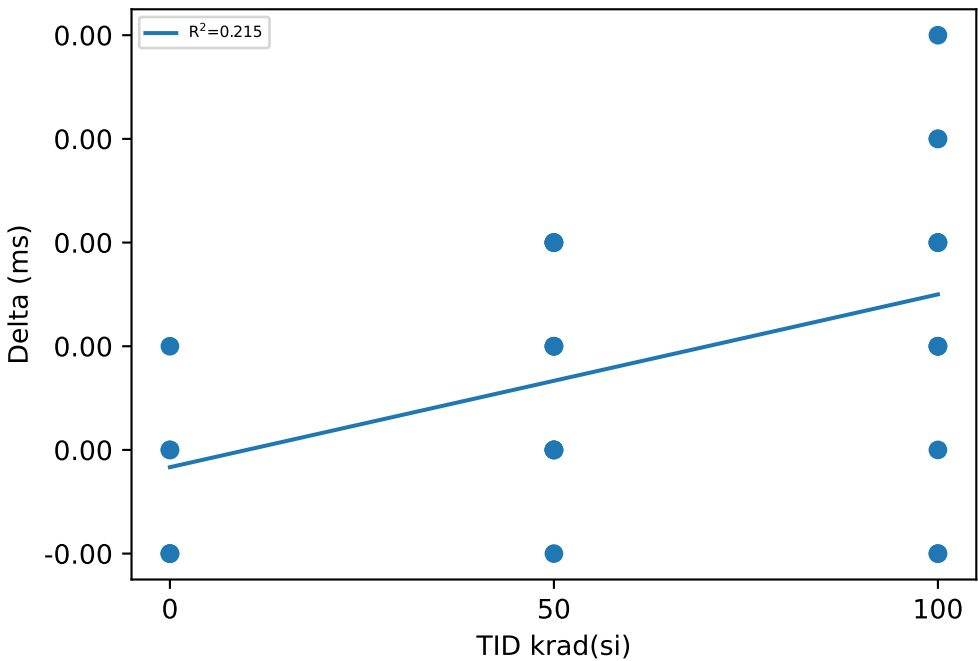
TID vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.269      | 0.269       | 0      |
| 201      | 0        | Correlation         | 0.267      | 0.266       | -0.001 |
| 202      | 0        | Correlation         | 0.26       | 0.26        | 0      |
| 203      | 50       | Biased              | 0.266      | 0.268       | 0.002  |
| 204      | 50       | Biased              | 0.266      | 0.266       | 0      |
| 205      | 50       | Biased              | 0.269      | 0.27        | 0.001  |
| 206      | 50       | Biased              | 0.268      | 0.27        | 0.002  |
| 207      | 50       | Biased              | 0.266      | 0.268       | 0.002  |
| 208      | 50       | Biased              | 0.259      | 0.261       | 0.002  |
| 209      | 50       | Unbiased            | 0.261      | 0.262       | 0.001  |
| 210      | 50       | Unbiased            | 0.268      | 0.269       | 0.001  |
| 211      | 50       | Unbiased            | 0.271      | 0.271       | 0      |
| 212      | 50       | Unbiased            | 0.267      | 0.267       | 0      |
| 213      | 50       | Unbiased            | 0.271      | 0.271       | 0      |
| 214      | 50       | Unbiased            | 0.268      | 0.267       | -0.001 |
| 1200     | 0        | Correlation         | 0.269      | 0.268       | -0.001 |
| 1201     | 0        | Correlation         | 0.267      | 0.266       | -0.001 |
| 1202     | 0        | Correlation         | 0.26       | 0.261       | 0.001  |
| 1203     | 100      | Biased              | 0.266      | 0.268       | 0.002  |
| 1204     | 100      | Biased              | 0.266      | 0.268       | 0.002  |
| 1205     | 100      | Biased              | 0.269      | 0.273       | 0.004  |
| 1206     | 100      | Biased              | 0.268      | 0.268       | 0      |
| 1207     | 100      | Biased              | 0.266      | 0.269       | 0.003  |
| 1208     | 100      | Biased              | 0.259      | 0.261       | 0.002  |
| 1209     | 100      | Unbiased            | 0.261      | 0.262       | 0.001  |
| 1210     | 100      | Unbiased            | 0.268      | 0.271       | 0.003  |
| 1211     | 100      | Unbiased            | 0.271      | 0.27        | -0.001 |
| 1212     | 100      | Unbiased            | 0.267      | 0.268       | 0.001  |
| 1213     | 100      | Unbiased            | 0.271      | 0.27        | -0.001 |
| 1214     | 100      | Unbiased            | 0.268      | 0.269       | 0.001  |

TID vs Post - Pre Exposure Delta

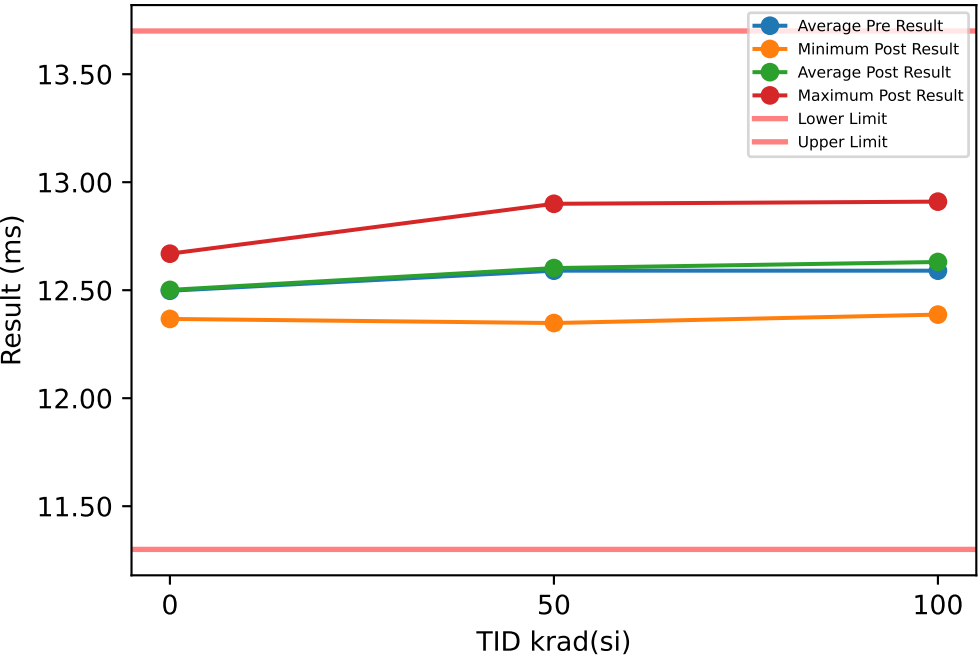


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|-----------|
| 0        | 0.26             | 0.26533          | 0.269            | 0.0042269        | 0.26              | 0.265             | 0.269             | 0.0036878         | -0.001    | -0.00033333 | 0.001     | 0.0008165 |
| 50       | 0.259            | 0.26667          | 0.271            | 0.003576         | 0.261             | 0.2675            | 0.271             | 0.0032333         | -0.001    | 0.00083333  | 0.002     | 0.0010299 |
| 100      | 0.259            | 0.26667          | 0.271            | 0.003576         | 0.261             | 0.26808           | 0.273             | 0.0034234         | -0.001    | 0.0014167   | 0.004     | 0.0015643 |

Device Test: 5.26 ; DLY\_TMR\_500KOHM

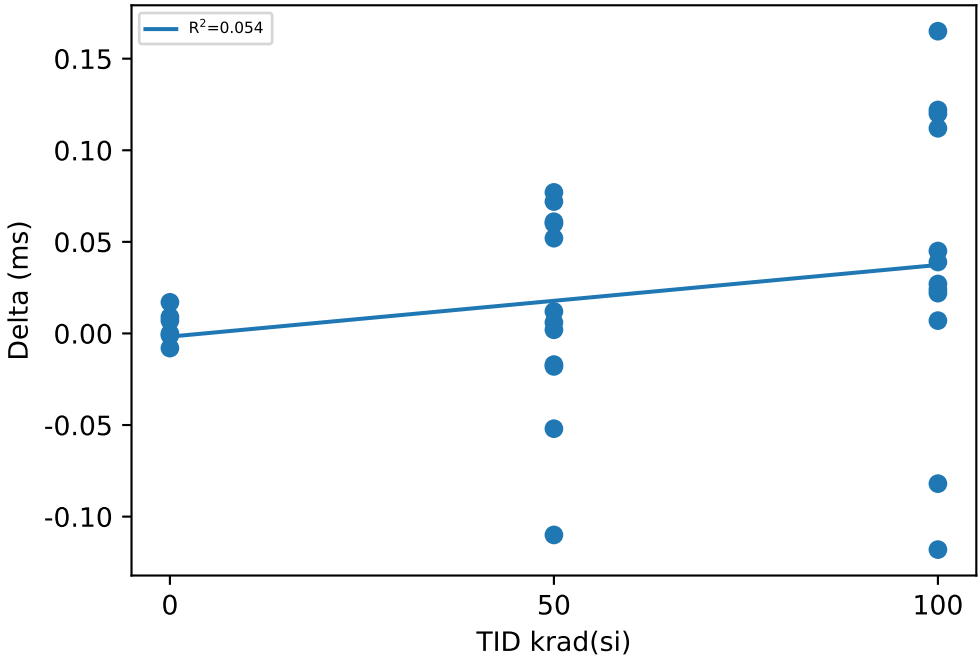
TID vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 12.662     | 12.669      | 0.007  |
| 201      | 0        | Correlation         | 12.463     | 12.48       | 0.017  |
| 202      | 0        | Correlation         | 12.367     | 12.376      | 0.009  |
| 203      | 50       | Biased              | 12.552     | 12.624      | 0.072  |
| 204      | 50       | Biased              | 12.421     | 12.481      | 0.06   |
| 205      | 50       | Biased              | 12.79      | 12.802      | 0.012  |
| 206      | 50       | Biased              | 12.823     | 12.9        | 0.077  |
| 207      | 50       | Biased              | 12.342     | 12.348      | 0.006  |
| 208      | 50       | Biased              | 12.602     | 12.654      | 0.052  |
| 209      | 50       | Unbiased            | 12.374     | 12.376      | 0.002  |
| 210      | 50       | Unbiased            | 12.445     | 12.506      | 0.061  |
| 211      | 50       | Unbiased            | 12.792     | 12.682      | -0.11  |
| 212      | 50       | Unbiased            | 12.52      | 12.503      | -0.017 |
| 213      | 50       | Unbiased            | 12.673     | 12.655      | -0.018 |
| 214      | 50       | Unbiased            | 12.75      | 12.698      | -0.052 |
| 1200     | 0        | Correlation         | 12.662     | 12.661      | -0.001 |
| 1201     | 0        | Correlation         | 12.463     | 12.455      | -0.008 |
| 1202     | 0        | Correlation         | 12.367     | 12.367      | 0      |
| 1203     | 100      | Biased              | 12.552     | 12.717      | 0.165  |
| 1204     | 100      | Biased              | 12.421     | 12.428      | 0.007  |
| 1205     | 100      | Biased              | 12.79      | 12.91       | 0.12   |
| 1206     | 100      | Biased              | 12.823     | 12.862      | 0.039  |
| 1207     | 100      | Biased              | 12.342     | 12.387      | 0.045  |
| 1208     | 100      | Biased              | 12.602     | 12.626      | 0.024  |
| 1209     | 100      | Unbiased            | 12.374     | 12.396      | 0.022  |
| 1210     | 100      | Unbiased            | 12.445     | 12.567      | 0.122  |
| 1211     | 100      | Unbiased            | 12.792     | 12.674      | -0.118 |
| 1212     | 100      | Unbiased            | 12.52      | 12.632      | 0.112  |
| 1213     | 100      | Unbiased            | 12.673     | 12.591      | -0.082 |
| 1214     | 100      | Unbiased            | 12.75      | 12.777      | 0.027  |

TID vs Post - Pre Exposure Delta

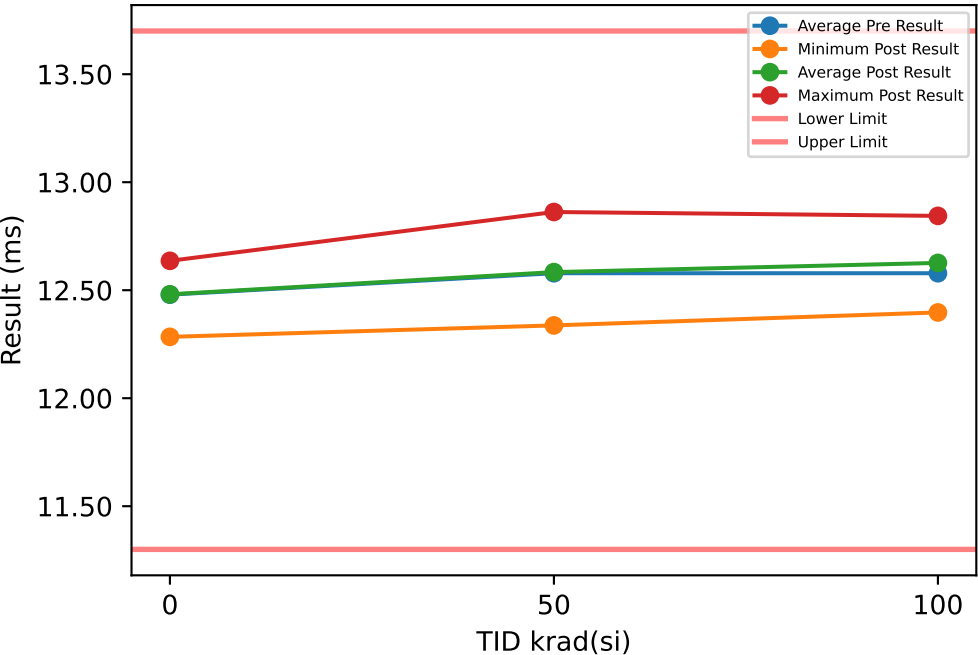


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.367           | 12.497           | 12.662           | 0.13458          | 12.367            | 12.501            | 12.669            | 0.13414           | -0.008    | 0.004     | 0.017     | 0.0088091 |
| 50       | 12.342           | 12.59            | 12.823           | 0.17368          | 12.348            | 12.602            | 12.9              | 0.16505           | -0.11     | 0.012083  | 0.077     | 0.056397  |
| 100      | 12.342           | 12.59            | 12.823           | 0.17368          | 12.387            | 12.631            | 12.91             | 0.17148           | -0.118    | 0.04025   | 0.165     | 0.082926  |

Device Test: 5.27 ; DLY\_TMR\_500KOHM

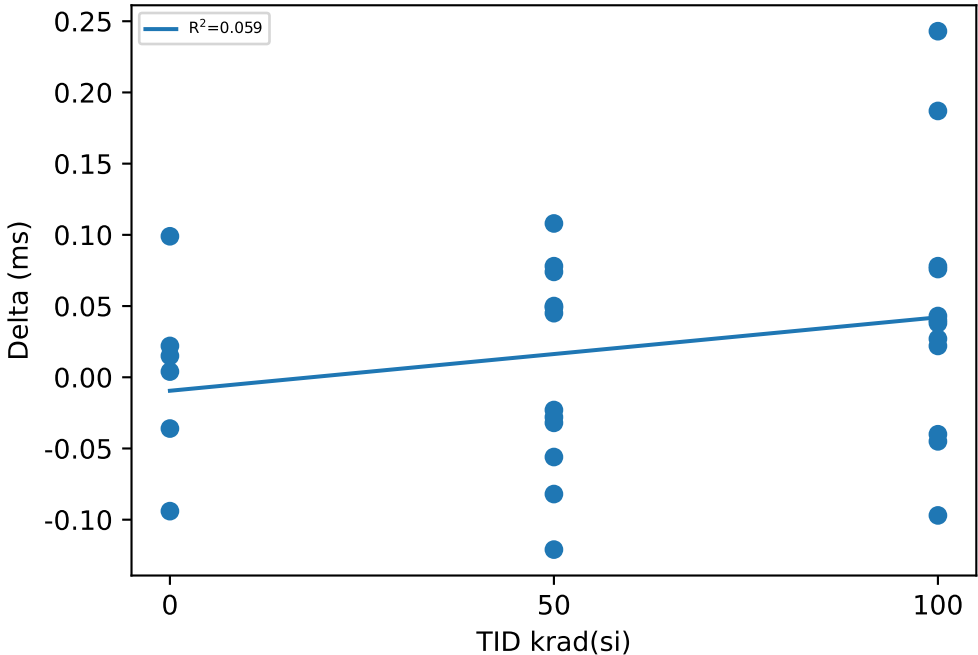
TID vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 12.614     | 12.636      | 0.022  |
| 201      | 0        | Correlation         | 12.446     | 12.461      | 0.015  |
| 202      | 0        | Correlation         | 12.378     | 12.284      | -0.094 |
| 203      | 50       | Biased              | 12.535     | 12.584      | 0.049  |
| 204      | 50       | Biased              | 12.415     | 12.465      | 0.05   |
| 205      | 50       | Biased              | 12.766     | 12.84       | 0.074  |
| 206      | 50       | Biased              | 12.784     | 12.862      | 0.078  |
| 207      | 50       | Biased              | 12.365     | 12.337      | -0.028 |
| 208      | 50       | Biased              | 12.57      | 12.615      | 0.045  |
| 209      | 50       | Unbiased            | 12.437     | 12.355      | -0.082 |
| 210      | 50       | Unbiased            | 12.455     | 12.563      | 0.108  |
| 211      | 50       | Unbiased            | 12.758     | 12.637      | -0.121 |
| 212      | 50       | Unbiased            | 12.514     | 12.482      | -0.032 |
| 213      | 50       | Unbiased            | 12.637     | 12.614      | -0.023 |
| 214      | 50       | Unbiased            | 12.707     | 12.651      | -0.056 |
| 1200     | 0        | Correlation         | 12.614     | 12.618      | 0.004  |
| 1201     | 0        | Correlation         | 12.446     | 12.545      | 0.099  |
| 1202     | 0        | Correlation         | 12.378     | 12.342      | -0.036 |
| 1203     | 100      | Biased              | 12.535     | 12.778      | 0.243  |
| 1204     | 100      | Biased              | 12.415     | 12.453      | 0.038  |
| 1205     | 100      | Biased              | 12.766     | 12.844      | 0.078  |
| 1206     | 100      | Biased              | 12.784     | 12.811      | 0.027  |
| 1207     | 100      | Biased              | 12.365     | 12.408      | 0.043  |
| 1208     | 100      | Biased              | 12.57      | 12.592      | 0.022  |
| 1209     | 100      | Unbiased            | 12.437     | 12.397      | -0.04  |
| 1210     | 100      | Unbiased            | 12.455     | 12.531      | 0.076  |
| 1211     | 100      | Unbiased            | 12.758     | 12.661      | -0.097 |
| 1212     | 100      | Unbiased            | 12.514     | 12.701      | 0.187  |
| 1213     | 100      | Unbiased            | 12.637     | 12.592      | -0.045 |
| 1214     | 100      | Unbiased            | 12.707     | 12.747      | 0.04   |

TID vs Post - Pre Exposure Delta

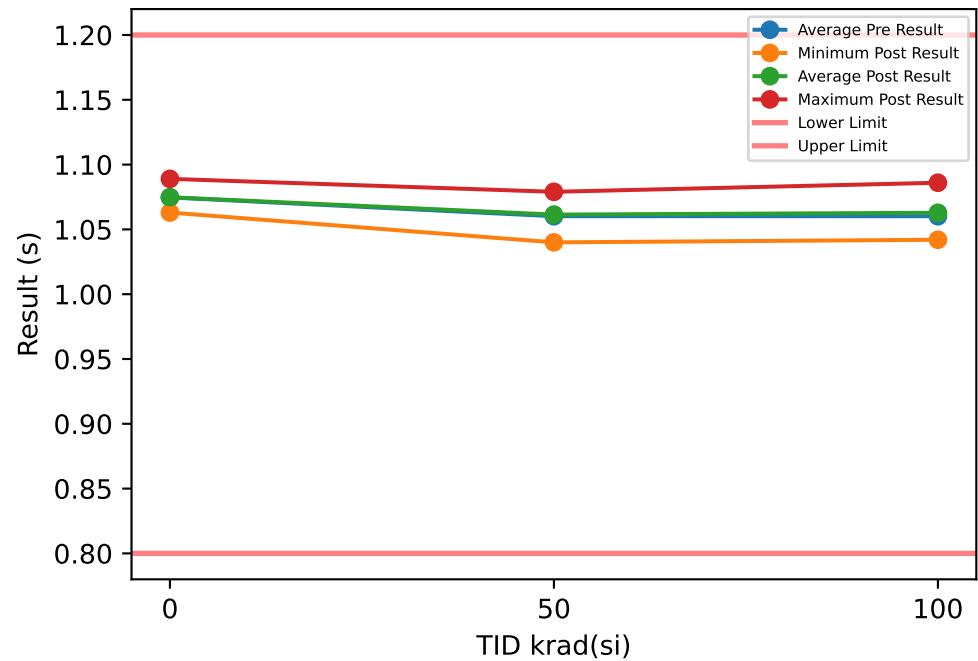


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.378           | 12.479           | 12.614           | 0.10865          | 12.284            | 12.481            | 12.636            | 0.1452            | -0.094    | 0.0016667 | 0.099     | 0.064252  |
| 50       | 12.365           | 12.579           | 12.784           | 0.14871          | 12.337            | 12.584            | 12.862            | 0.16249           | -0.121    | 0.0051667 | 0.108     | 0.071775  |
| 100      | 12.365           | 12.579           | 12.784           | 0.14871          | 12.397            | 12.626            | 12.844            | 0.15596           | -0.097    | 0.047667  | 0.243     | 0.094269  |

Device Test: 5.28 ; WD\_TMR\_500KOHM

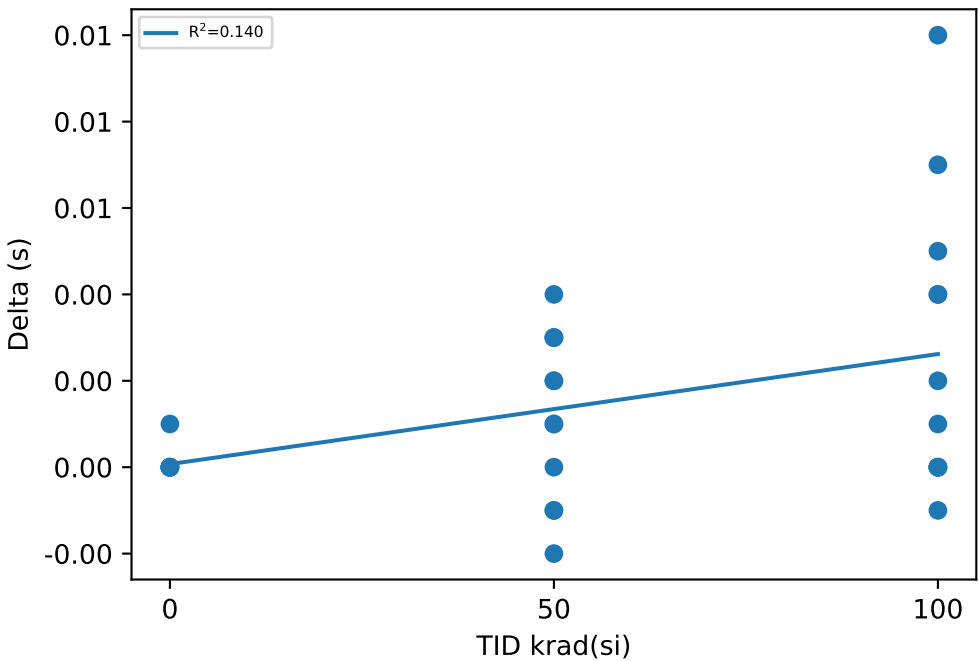
TID vs Result Stats



Test Results (Lower Limit = 0.8, Upper Limit = 1.2 (s))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 1.089      | 1.089       | 0      |
| 201      | 0        | Correlation         | 1.063      | 1.063       | 0      |
| 202      | 0        | Correlation         | 1.072      | 1.072       | 0      |
| 203      | 50       | Biased              | 1.046      | 1.047       | 0.001  |
| 204      | 50       | Biased              | 1.052      | 1.056       | 0.004  |
| 205      | 50       | Biased              | 1.059      | 1.06        | 0.001  |
| 206      | 50       | Biased              | 1.076      | 1.079       | 0.003  |
| 207      | 50       | Biased              | 1.062      | 1.064       | 0.002  |
| 208      | 50       | Biased              | 1.063      | 1.062       | -0.001 |
| 209      | 50       | Unbiased            | 1.055      | 1.058       | 0.003  |
| 210      | 50       | Unbiased            | 1.041      | 1.04        | -0.001 |
| 211      | 50       | Unbiased            | 1.066      | 1.068       | 0.002  |
| 212      | 50       | Unbiased            | 1.078      | 1.078       | 0      |
| 213      | 50       | Unbiased            | 1.061      | 1.059       | -0.002 |
| 214      | 50       | Unbiased            | 1.063      | 1.066       | 0.003  |
| 1200     | 0        | Correlation         | 1.089      | 1.089       | 0      |
| 1201     | 0        | Correlation         | 1.063      | 1.063       | 0      |
| 1202     | 0        | Correlation         | 1.072      | 1.073       | 0.001  |
| 1203     | 100      | Biased              | 1.046      | 1.046       | 0      |
| 1204     | 100      | Biased              | 1.052      | 1.056       | 0.004  |
| 1205     | 100      | Biased              | 1.059      | 1.063       | 0.004  |
| 1206     | 100      | Biased              | 1.076      | 1.086       | 0.01   |
| 1207     | 100      | Biased              | 1.062      | 1.069       | 0.007  |
| 1208     | 100      | Biased              | 1.063      | 1.063       | 0      |
| 1209     | 100      | Unbiased            | 1.055      | 1.06        | 0.005  |
| 1210     | 100      | Unbiased            | 1.041      | 1.042       | 0.001  |
| 1211     | 100      | Unbiased            | 1.066      | 1.066       | 0      |
| 1212     | 100      | Unbiased            | 1.078      | 1.077       | -0.001 |
| 1213     | 100      | Unbiased            | 1.061      | 1.061       | 0      |
| 1214     | 100      | Unbiased            | 1.063      | 1.065       | 0.002  |

TID vs Post - Pre Exposure Delta

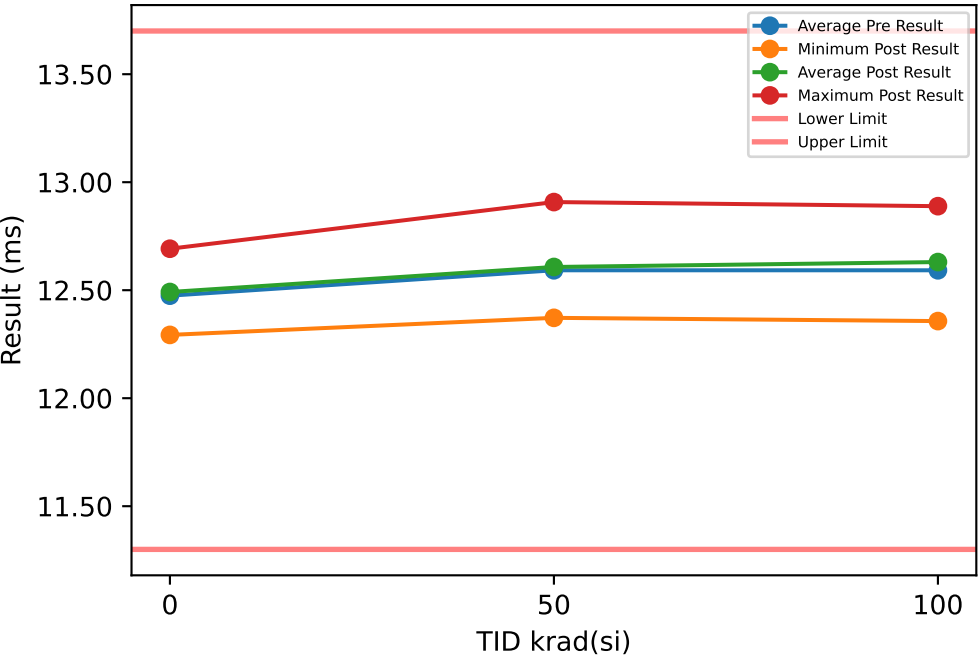


Test Statistics (s)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|------------|
| 0        | 1.063            | 1.0747           | 1.089            | 0.01181          | 1.063             | 1.0748            | 1.089             | 0.011771          | 0         | 0.00016667 | 0.001     | 0.00040825 |
| 50       | 1.041            | 1.0602           | 1.078            | 0.010811         | 1.04              | 1.0614            | 1.079             | 0.011164          | -0.002    | 0.00125    | 0.004     | 0.0019129  |
| 100      | 1.041            | 1.0602           | 1.078            | 0.010811         | 1.042             | 1.0628            | 1.086             | 0.01193           | -0.001    | 0.0026667  | 0.01      | 0.0033934  |

Device Test: 5.29 ; DLY\_TMR\_500KOHM

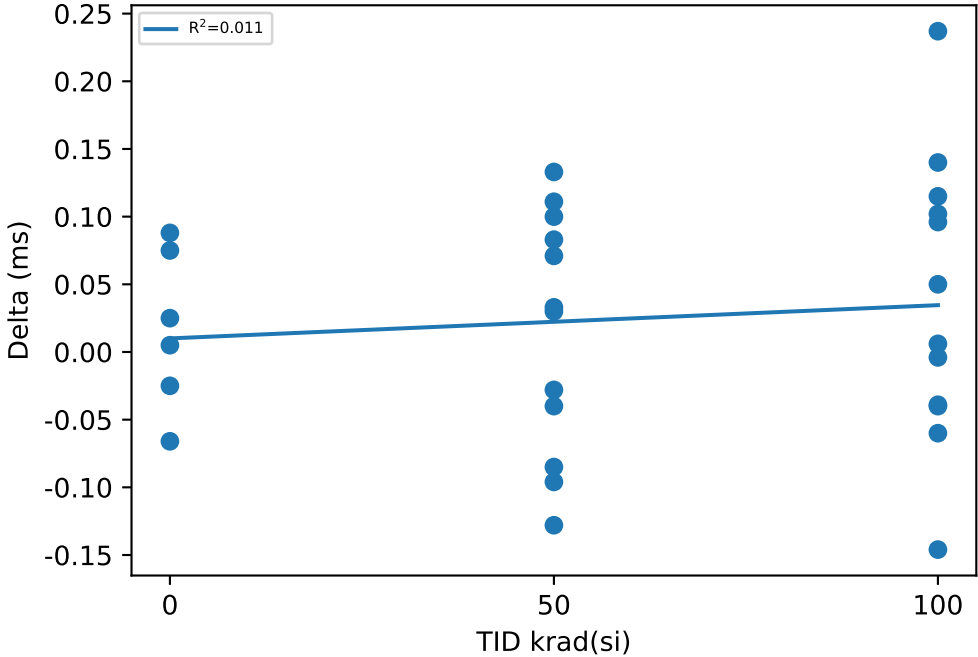
TID vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 12.617     | 12.642      | 0.025  |
| 201      | 0        | Correlation         | 12.519     | 12.494      | -0.025 |
| 202      | 0        | Correlation         | 12.288     | 12.293      | 0.005  |
| 203      | 50       | Biased              | 12.526     | 12.556      | 0.03   |
| 204      | 50       | Biased              | 12.436     | 12.519      | 0.083  |
| 205      | 50       | Biased              | 12.749     | 12.849      | 0.1    |
| 206      | 50       | Biased              | 12.797     | 12.908      | 0.111  |
| 207      | 50       | Biased              | 12.351     | 12.384      | 0.033  |
| 208      | 50       | Biased              | 12.558     | 12.691      | 0.133  |
| 209      | 50       | Unbiased            | 12.457     | 12.372      | -0.085 |
| 210      | 50       | Unbiased            | 12.467     | 12.538      | 0.071  |
| 211      | 50       | Unbiased            | 12.817     | 12.689      | -0.128 |
| 212      | 50       | Unbiased            | 12.525     | 12.497      | -0.028 |
| 213      | 50       | Unbiased            | 12.709     | 12.613      | -0.096 |
| 214      | 50       | Unbiased            | 12.714     | 12.674      | -0.04  |
| 1200     | 0        | Correlation         | 12.617     | 12.692      | 0.075  |
| 1201     | 0        | Correlation         | 12.519     | 12.453      | -0.066 |
| 1202     | 0        | Correlation         | 12.288     | 12.376      | 0.088  |
| 1203     | 100      | Biased              | 12.526     | 12.763      | 0.237  |
| 1204     | 100      | Biased              | 12.436     | 12.396      | -0.04  |
| 1205     | 100      | Biased              | 12.749     | 12.889      | 0.14   |
| 1206     | 100      | Biased              | 12.797     | 12.793      | -0.004 |
| 1207     | 100      | Biased              | 12.351     | 12.357      | 0.006  |
| 1208     | 100      | Biased              | 12.558     | 12.66       | 0.102  |
| 1209     | 100      | Unbiased            | 12.457     | 12.397      | -0.06  |
| 1210     | 100      | Unbiased            | 12.467     | 12.563      | 0.096  |
| 1211     | 100      | Unbiased            | 12.817     | 12.671      | -0.146 |
| 1212     | 100      | Unbiased            | 12.525     | 12.64       | 0.115  |
| 1213     | 100      | Unbiased            | 12.709     | 12.67       | -0.039 |
| 1214     | 100      | Unbiased            | 12.714     | 12.764      | 0.05   |

TID vs Post - Pre Exposure Delta



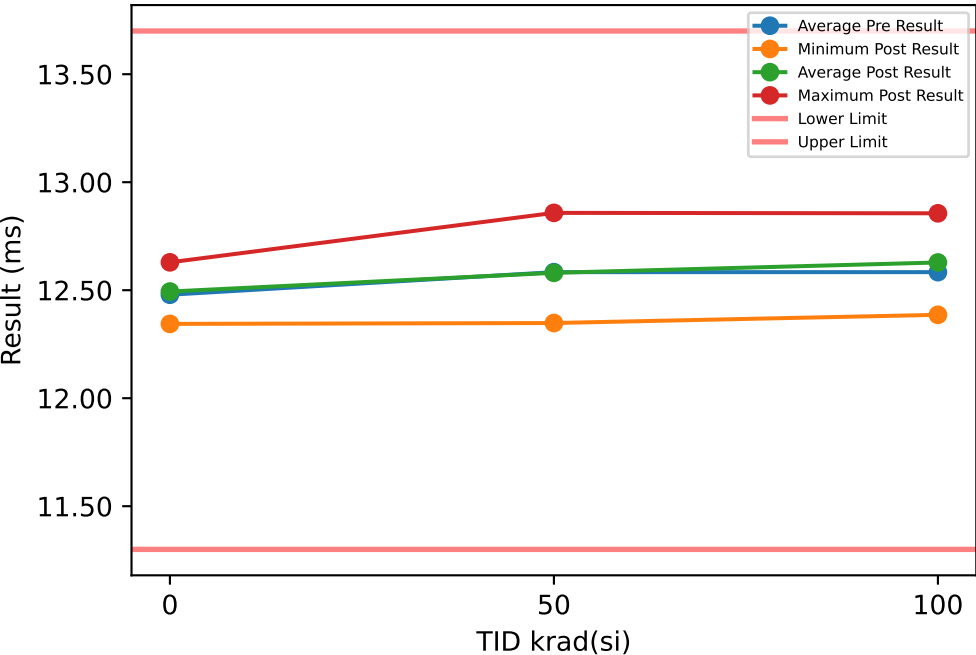
Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.288           | 12.475           | 12.617           | 0.15109          | 12.293            | 12.492            | 12.692            | 0.15302           | -0.066    | 0.017     | 0.088     | 0.058764  |
| 50       | 12.351           | 12.592           | 12.817           | 0.15729          | 12.372            | 12.607            | 12.908            | 0.16504           | -0.128    | 0.015333  | 0.133     | 0.088583  |
| 100      | 12.351           | 12.592           | 12.817           | 0.15729          | 12.357            | 12.63             | 12.889            | 0.171             | -0.146    | 0.038083  | 0.237     | 0.10523   |



Device Test: 5.30 ; DLY\_TMR\_500KOHM

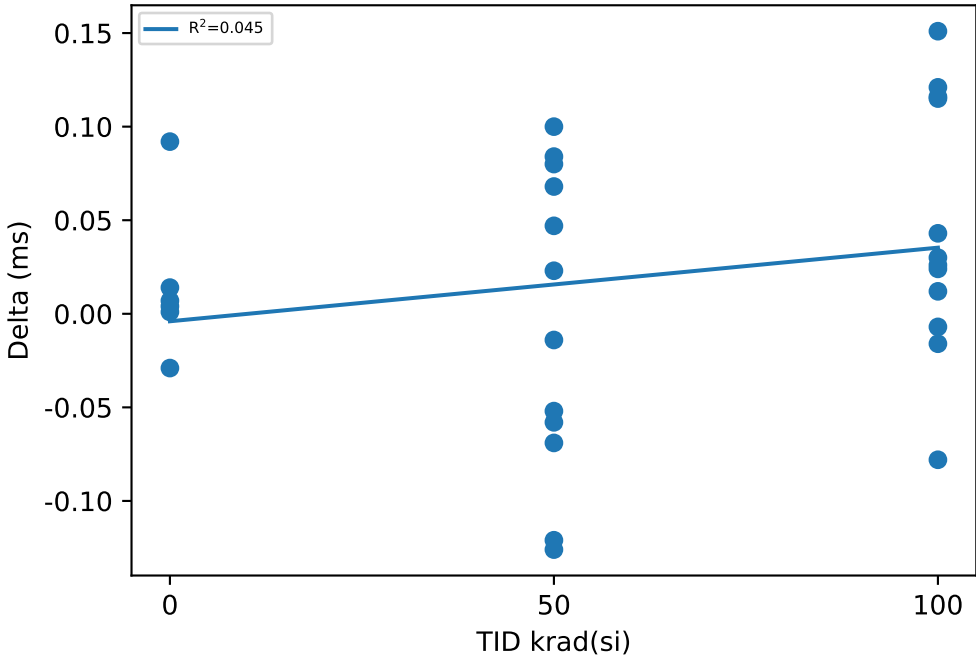
TID vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 12.615     | 12.629      | 0.014  |
| 201      | 0        | Correlation         | 12.449     | 12.456      | 0.007  |
| 202      | 0        | Correlation         | 12.373     | 12.377      | 0.004  |
| 203      | 50       | Biased              | 12.531     | 12.578      | 0.047  |
| 204      | 50       | Biased              | 12.434     | 12.457      | 0.023  |
| 205      | 50       | Biased              | 12.735     | 12.835      | 0.1    |
| 206      | 50       | Biased              | 12.778     | 12.858      | 0.08   |
| 207      | 50       | Biased              | 12.36      | 12.428      | 0.068  |
| 208      | 50       | Biased              | 12.549     | 12.633      | 0.084  |
| 209      | 50       | Unbiased            | 12.362     | 12.348      | -0.014 |
| 210      | 50       | Unbiased            | 12.536     | 12.467      | -0.069 |
| 211      | 50       | Unbiased            | 12.754     | 12.633      | -0.121 |
| 212      | 50       | Unbiased            | 12.601     | 12.475      | -0.126 |
| 213      | 50       | Unbiased            | 12.662     | 12.61       | -0.052 |
| 214      | 50       | Unbiased            | 12.701     | 12.643      | -0.058 |
| 1200     | 0        | Correlation         | 12.615     | 12.616      | 0.001  |
| 1201     | 0        | Correlation         | 12.449     | 12.541      | 0.092  |
| 1202     | 0        | Correlation         | 12.373     | 12.344      | -0.029 |
| 1203     | 100      | Biased              | 12.531     | 12.682      | 0.151  |
| 1204     | 100      | Biased              | 12.434     | 12.418      | -0.016 |
| 1205     | 100      | Biased              | 12.735     | 12.856      | 0.121  |
| 1206     | 100      | Biased              | 12.778     | 12.804      | 0.026  |
| 1207     | 100      | Biased              | 12.36      | 12.403      | 0.043  |
| 1208     | 100      | Biased              | 12.549     | 12.665      | 0.116  |
| 1209     | 100      | Unbiased            | 12.362     | 12.386      | 0.024  |
| 1210     | 100      | Unbiased            | 12.536     | 12.566      | 0.03   |
| 1211     | 100      | Unbiased            | 12.754     | 12.747      | -0.007 |
| 1212     | 100      | Unbiased            | 12.601     | 12.613      | 0.012  |
| 1213     | 100      | Unbiased            | 12.662     | 12.584      | -0.078 |
| 1214     | 100      | Unbiased            | 12.701     | 12.816      | 0.115  |

TID vs Post - Pre Exposure Delta

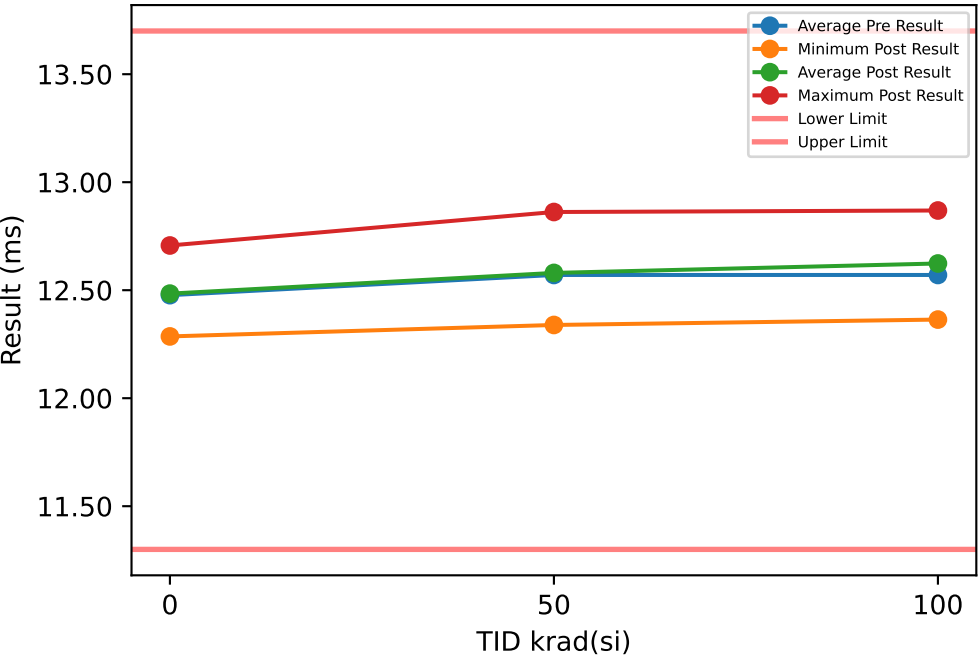


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 12.373           | 12.479           | 12.615           | 0.11069          | 12.344            | 12.494            | 12.629            | 0.12079           | -0.029    | 0.014833   | 0.092     | 0.040612  |
| 50       | 12.36            | 12.584           | 12.778           | 0.147            | 12.348            | 12.58             | 12.858            | 0.15628           | -0.126    | -0.0031667 | 0.1       | 0.081039  |
| 100      | 12.36            | 12.584           | 12.778           | 0.147            | 12.386            | 12.628            | 12.856            | 0.16405           | -0.078    | 0.04475    | 0.151     | 0.067841  |

Device Test: 5.31 ; DLY\_TMR\_500KOHM

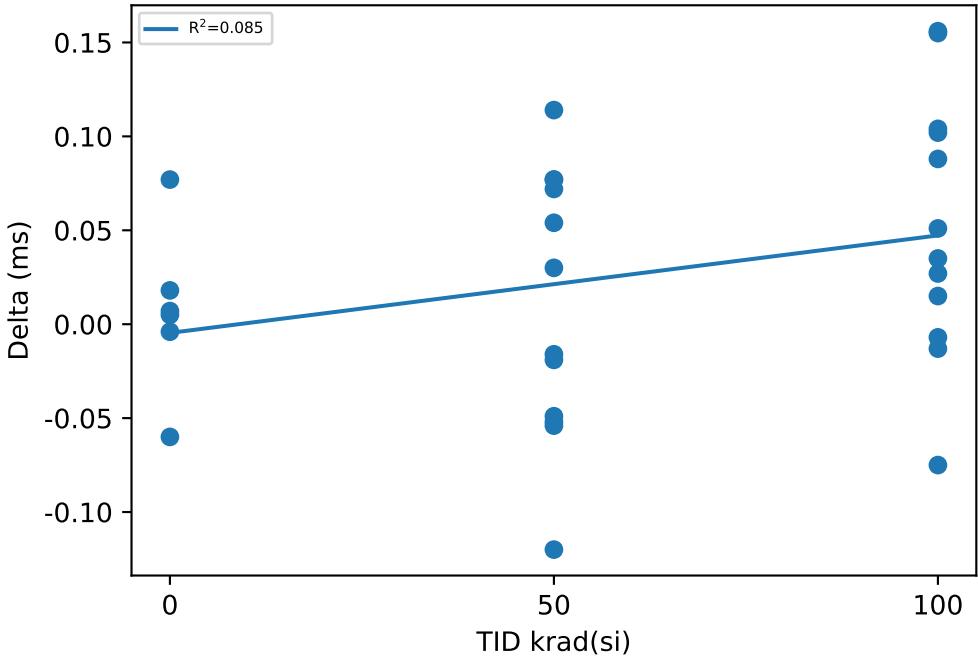
TID vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 12.63      | 12.637      | 0.007  |
| 201      | 0        | Correlation         | 12.455     | 12.46       | 0.005  |
| 202      | 0        | Correlation         | 12.346     | 12.286      | -0.06  |
| 203      | 50       | Biased              | 12.529     | 12.583      | 0.054  |
| 204      | 50       | Biased              | 12.35      | 12.464      | 0.114  |
| 205      | 50       | Biased              | 12.767     | 12.839      | 0.072  |
| 206      | 50       | Biased              | 12.785     | 12.862      | 0.077  |
| 207      | 50       | Biased              | 12.358     | 12.339      | -0.019 |
| 208      | 50       | Biased              | 12.564     | 12.641      | 0.077  |
| 209      | 50       | Unbiased            | 12.371     | 12.355      | -0.016 |
| 210      | 50       | Unbiased            | 12.456     | 12.486      | 0.03   |
| 211      | 50       | Unbiased            | 12.76      | 12.64       | -0.12  |
| 212      | 50       | Unbiased            | 12.531     | 12.482      | -0.049 |
| 213      | 50       | Unbiased            | 12.668     | 12.616      | -0.052 |
| 214      | 50       | Unbiased            | 12.707     | 12.653      | -0.054 |
| 1200     | 0        | Correlation         | 12.63      | 12.707      | 0.077  |
| 1201     | 0        | Correlation         | 12.455     | 12.451      | -0.004 |
| 1202     | 0        | Correlation         | 12.346     | 12.364      | 0.018  |
| 1203     | 100      | Biased              | 12.529     | 12.684      | 0.155  |
| 1204     | 100      | Biased              | 12.35      | 12.454      | 0.104  |
| 1205     | 100      | Biased              | 12.767     | 12.869      | 0.102  |
| 1206     | 100      | Biased              | 12.785     | 12.812      | 0.027  |
| 1207     | 100      | Biased              | 12.358     | 12.409      | 0.051  |
| 1208     | 100      | Biased              | 12.564     | 12.579      | 0.015  |
| 1209     | 100      | Unbiased            | 12.371     | 12.364      | -0.007 |
| 1210     | 100      | Unbiased            | 12.456     | 12.544      | 0.088  |
| 1211     | 100      | Unbiased            | 12.76      | 12.747      | -0.013 |
| 1212     | 100      | Unbiased            | 12.531     | 12.687      | 0.156  |
| 1213     | 100      | Unbiased            | 12.668     | 12.593      | -0.075 |
| 1214     | 100      | Unbiased            | 12.707     | 12.742      | 0.035  |

TID vs Post - Pre Exposure Delta

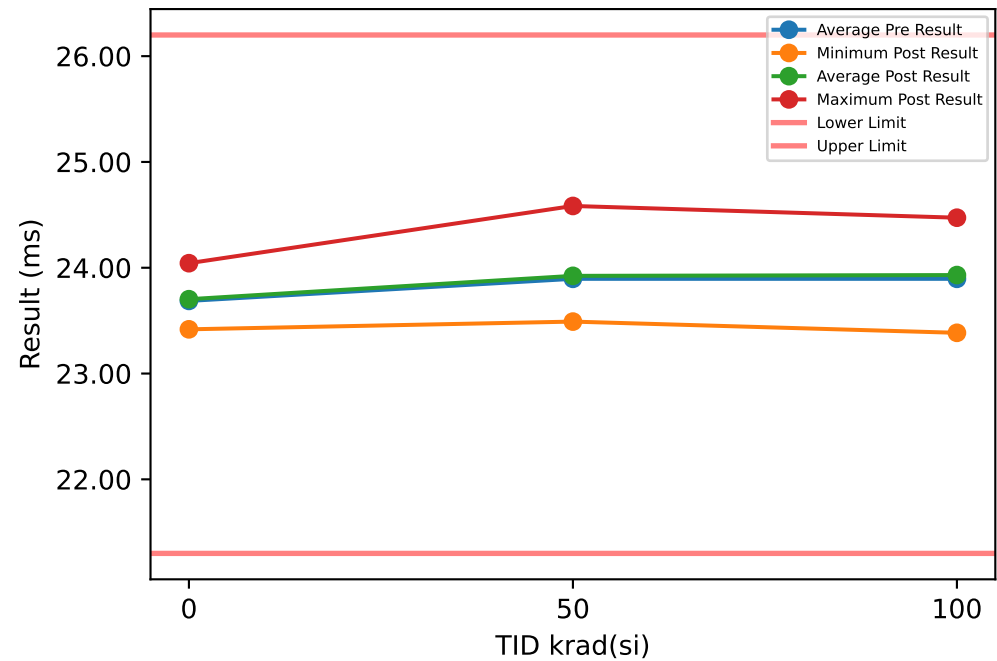


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.346           | 12.477           | 12.63            | 0.12815          | 12.286            | 12.484            | 12.707            | 0.16025           | -0.06     | 0.0071667 | 0.077     | 0.043897  |
| 50       | 12.35            | 12.571           | 12.785           | 0.16478          | 12.339            | 12.58             | 12.862            | 0.16546           | -0.12     | 0.0095    | 0.114     | 0.071229  |
| 100      | 12.35            | 12.571           | 12.785           | 0.16478          | 12.364            | 12.624            | 12.869            | 0.16071           | -0.075    | 0.053167  | 0.156     | 0.070083  |

Device Test: 5.32 ; DLY\_TMR\_1MOHM

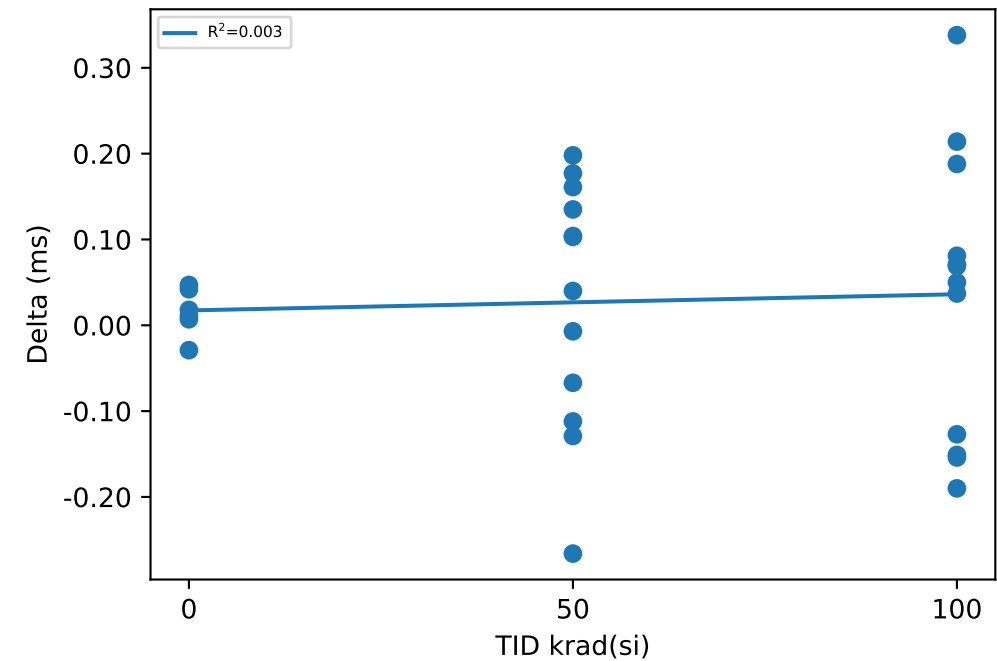
TID vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 23.996     | 24.043      | 0.047  |
| 201      | 0        | Correlation         | 23.617     | 23.659      | 0.042  |
| 202      | 0        | Correlation         | 23.447     | 23.454      | 0.007  |
| 203      | 50       | Biased              | 23.844     | 23.947      | 0.103  |
| 204      | 50       | Biased              | 23.538     | 23.642      | 0.104  |
| 205      | 50       | Biased              | 24.244     | 24.421      | 0.177  |
| 206      | 50       | Biased              | 24.423     | 24.584      | 0.161  |
| 207      | 50       | Biased              | 23.356     | 23.491      | 0.135  |
| 208      | 50       | Biased              | 24.091     | 24.289      | 0.198  |
| 209      | 50       | Unbiased            | 23.536     | 23.529      | -0.007 |
| 210      | 50       | Unbiased            | 23.55      | 23.59       | 0.04   |
| 211      | 50       | Unbiased            | 24.224     | 23.958      | -0.266 |
| 212      | 50       | Unbiased            | 23.724     | 23.595      | -0.129 |
| 213      | 50       | Unbiased            | 24.018     | 23.951      | -0.067 |
| 214      | 50       | Unbiased            | 24.196     | 24.084      | -0.112 |
| 1200     | 0        | Correlation         | 23.996     | 24.007      | 0.011  |
| 1201     | 0        | Correlation         | 23.617     | 23.635      | 0.018  |
| 1202     | 0        | Correlation         | 23.447     | 23.418      | -0.029 |
| 1203     | 100      | Biased              | 23.844     | 24.182      | 0.338  |
| 1204     | 100      | Biased              | 23.538     | 23.411      | -0.127 |
| 1205     | 100      | Biased              | 24.244     | 24.458      | 0.214  |
| 1206     | 100      | Biased              | 24.423     | 24.473      | 0.05   |
| 1207     | 100      | Biased              | 23.356     | 23.437      | 0.081  |
| 1208     | 100      | Biased              | 24.091     | 24.16       | 0.069  |
| 1209     | 100      | Unbiased            | 23.536     | 23.385      | -0.151 |
| 1210     | 100      | Unbiased            | 23.55      | 23.587      | 0.037  |
| 1211     | 100      | Unbiased            | 24.224     | 24.034      | -0.19  |
| 1212     | 100      | Unbiased            | 23.724     | 23.912      | 0.188  |
| 1213     | 100      | Unbiased            | 24.018     | 23.864      | -0.154 |
| 1214     | 100      | Unbiased            | 24.196     | 24.267      | 0.071  |

TID vs Post - Pre Exposure Delta

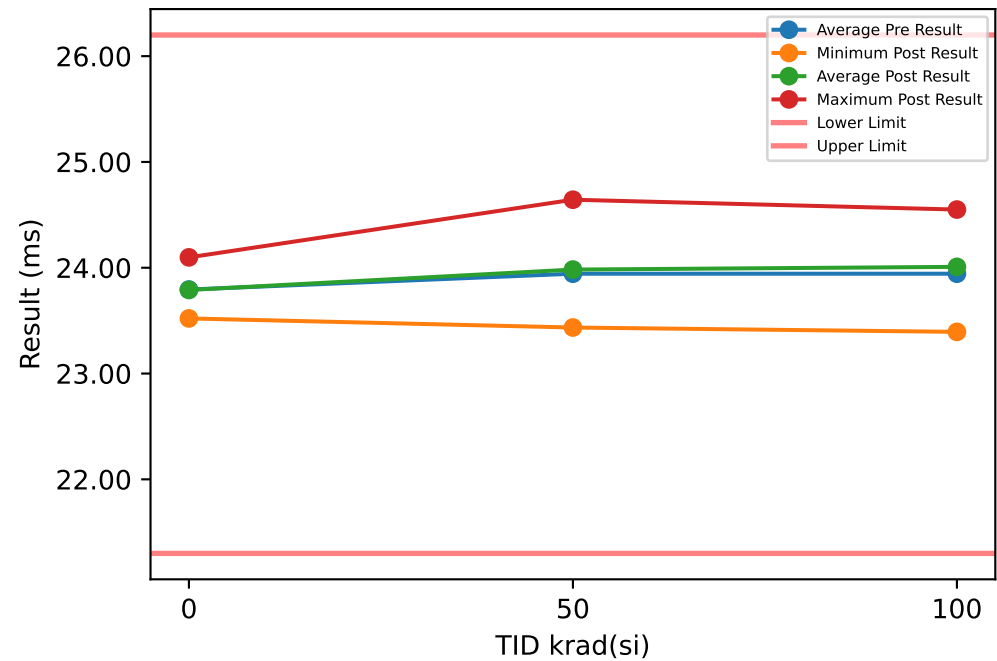


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 23.447           | 23.687           | 23.996           | 0.25138          | 23.418            | 23.703            | 24.043            | 0.26751           | -0.029    | 0.016     | 0.047     | 0.027466  |
| 50       | 23.356           | 23.895           | 24.423           | 0.35041          | 23.491            | 23.923            | 24.584            | 0.36763           | -0.266    | 0.028083  | 0.198     | 0.14545   |
| 100      | 23.356           | 23.895           | 24.423           | 0.35041          | 23.385            | 23.931            | 24.473            | 0.39843           | -0.19     | 0.0355    | 0.338     | 0.16493   |

Device Test: 5.33 ; DLY\_TMR\_1MOHM

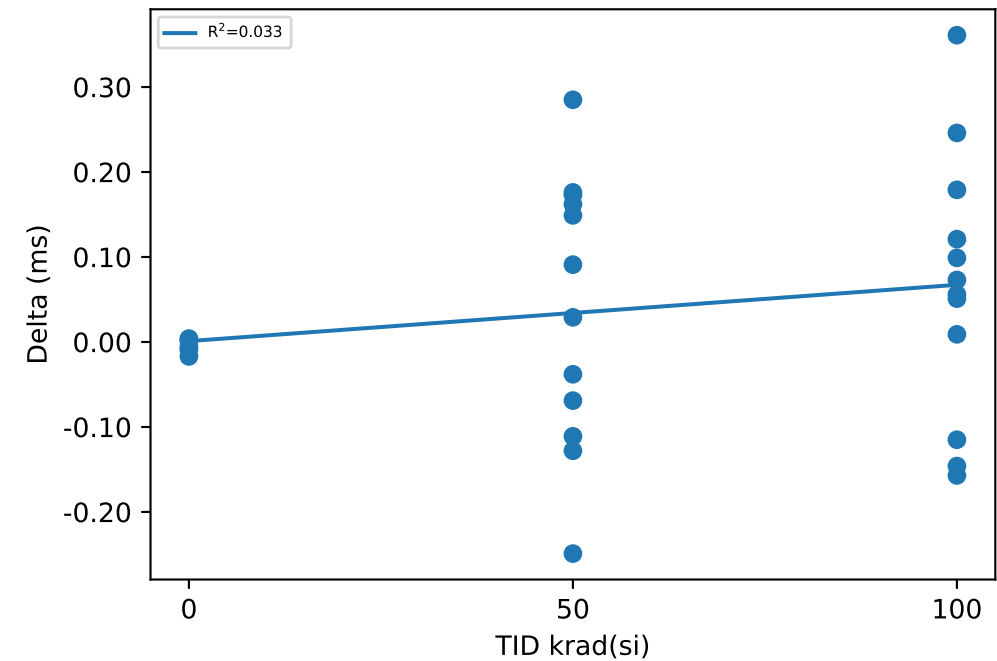
TID vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 24.095     | 24.098      | 0.003  |
| 201      | 0        | Correlation         | 23.749     | 23.753      | 0.004  |
| 202      | 0        | Correlation         | 23.538     | 23.539      | 0.001  |
| 203      | 50       | Biased              | 23.918     | 24.009      | 0.091  |
| 204      | 50       | Biased              | 23.454     | 23.739      | 0.285  |
| 205      | 50       | Biased              | 24.287     | 24.463      | 0.176  |
| 206      | 50       | Biased              | 24.494     | 24.643      | 0.149  |
| 207      | 50       | Biased              | 23.273     | 23.435      | 0.162  |
| 208      | 50       | Biased              | 24.171     | 24.344      | 0.173  |
| 209      | 50       | Unbiased            | 23.644     | 23.606      | -0.038 |
| 210      | 50       | Unbiased            | 23.657     | 23.686      | 0.029  |
| 211      | 50       | Unbiased            | 24.268     | 24.019      | -0.249 |
| 212      | 50       | Unbiased            | 23.824     | 23.696      | -0.128 |
| 213      | 50       | Unbiased            | 24.083     | 24.014      | -0.069 |
| 214      | 50       | Unbiased            | 24.25      | 24.139      | -0.111 |
| 1200     | 0        | Correlation         | 24.095     | 24.086      | -0.009 |
| 1201     | 0        | Correlation         | 23.749     | 23.743      | -0.006 |
| 1202     | 0        | Correlation         | 23.538     | 23.521      | -0.017 |
| 1203     | 100      | Biased              | 23.918     | 24.279      | 0.361  |
| 1204     | 100      | Biased              | 23.454     | 23.505      | 0.051  |
| 1205     | 100      | Biased              | 24.287     | 24.533      | 0.246  |
| 1206     | 100      | Biased              | 24.494     | 24.55       | 0.056  |
| 1207     | 100      | Biased              | 23.273     | 23.394      | 0.121  |
| 1208     | 100      | Biased              | 24.171     | 24.244      | 0.073  |
| 1209     | 100      | Unbiased            | 23.644     | 23.487      | -0.157 |
| 1210     | 100      | Unbiased            | 23.657     | 23.666      | 0.009  |
| 1211     | 100      | Unbiased            | 24.268     | 24.122      | -0.146 |
| 1212     | 100      | Unbiased            | 23.824     | 24.003      | 0.179  |
| 1213     | 100      | Unbiased            | 24.083     | 23.968      | -0.115 |
| 1214     | 100      | Unbiased            | 24.25      | 24.349      | 0.099  |

TID vs Post - Pre Exposure Delta

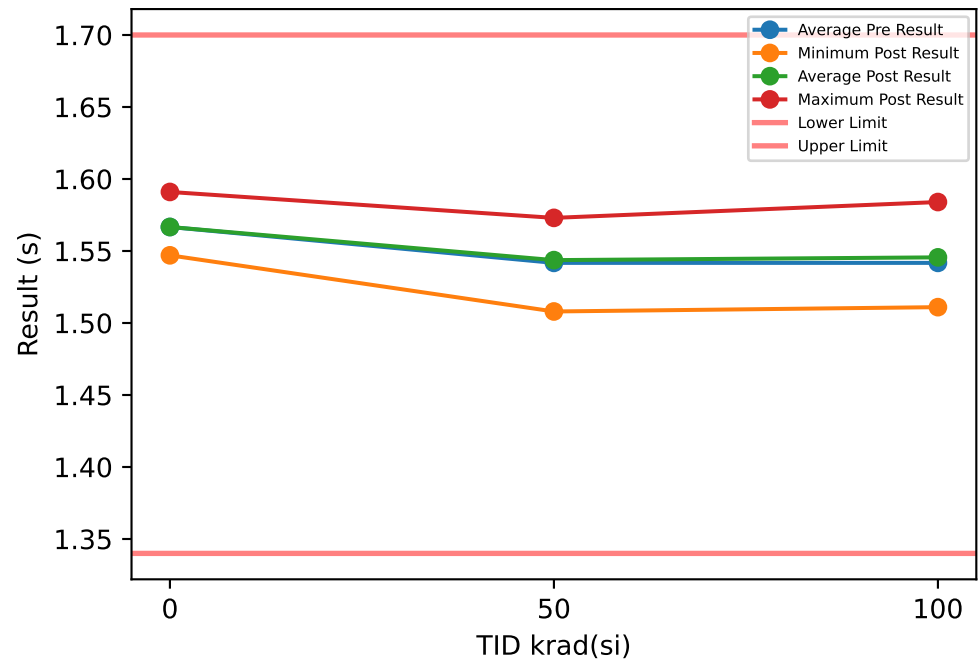


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 23.538           | 23.794           | 24.095           | 0.25152          | 23.521            | 23.79             | 24.098            | 0.25354           | -0.017    | -0.004    | 0.004     | 0.0081976 |
| 50       | 23.273           | 23.944           | 24.494           | 0.37748          | 23.435            | 23.983            | 24.643            | 0.3688            | -0.249    | 0.039167  | 0.285     | 0.15903   |
| 100      | 23.273           | 23.944           | 24.494           | 0.37748          | 23.394            | 24.008            | 24.55             | 0.40986           | -0.157    | 0.06475   | 0.361     | 0.1559    |

Device Test: 5.34 ; WD\_TMR\_1MOHM

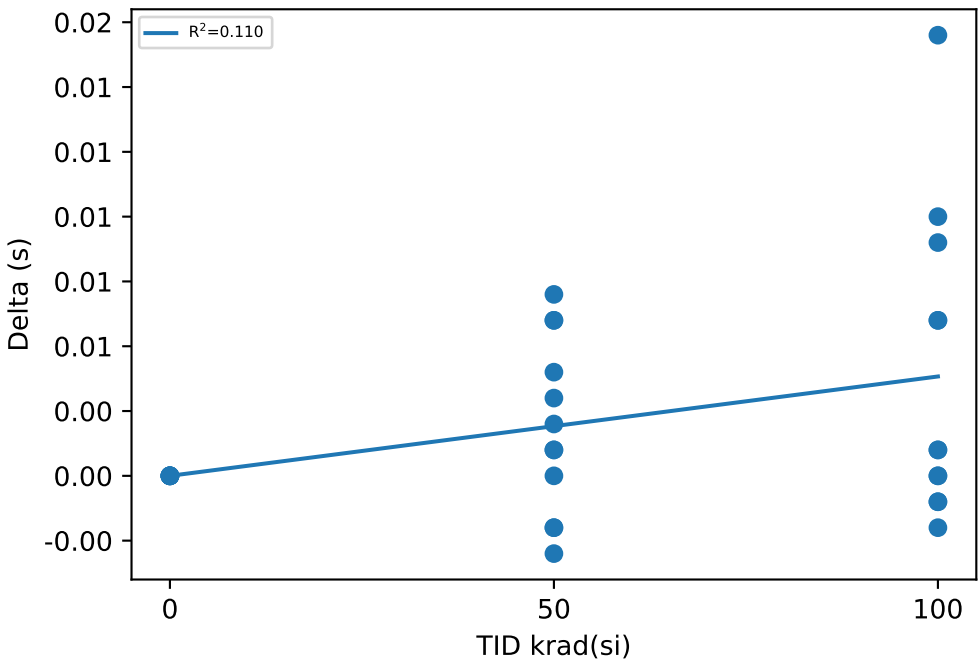
TID vs Result Stats



Test Results (Lower Limit = 1.34, Upper Limit = 1.7 (s))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 1.591      | 1.591       | 0      |
| 201      | 0        | Correlation         | 1.547      | 1.547       | 0      |
| 202      | 0        | Correlation         | 1.562      | 1.562       | 0      |
| 203      | 50       | Biased              | 1.517      | 1.518       | 0.001  |
| 204      | 50       | Biased              | 1.53       | 1.537       | 0.007  |
| 205      | 50       | Biased              | 1.541      | 1.542       | 0.001  |
| 206      | 50       | Biased              | 1.567      | 1.573       | 0.006  |
| 207      | 50       | Biased              | 1.544      | 1.546       | 0.002  |
| 208      | 50       | Biased              | 1.546      | 1.544       | -0.002 |
| 209      | 50       | Unbiased            | 1.534      | 1.54        | 0.006  |
| 210      | 50       | Unbiased            | 1.51       | 1.508       | -0.002 |
| 211      | 50       | Unbiased            | 1.55       | 1.553       | 0.003  |
| 212      | 50       | Unbiased            | 1.572      | 1.572       | 0      |
| 213      | 50       | Unbiased            | 1.544      | 1.541       | -0.003 |
| 214      | 50       | Unbiased            | 1.546      | 1.55        | 0.004  |
| 1200     | 0        | Correlation         | 1.591      | 1.591       | 0      |
| 1201     | 0        | Correlation         | 1.547      | 1.547       | 0      |
| 1202     | 0        | Correlation         | 1.562      | 1.562       | 0      |
| 1203     | 100      | Biased              | 1.517      | 1.517       | 0      |
| 1204     | 100      | Biased              | 1.53       | 1.536       | 0.006  |
| 1205     | 100      | Biased              | 1.541      | 1.547       | 0.006  |
| 1206     | 100      | Biased              | 1.567      | 1.584       | 0.017  |
| 1207     | 100      | Biased              | 1.544      | 1.554       | 0.01   |
| 1208     | 100      | Biased              | 1.546      | 1.546       | 0      |
| 1209     | 100      | Unbiased            | 1.534      | 1.543       | 0.009  |
| 1210     | 100      | Unbiased            | 1.51       | 1.511       | 0.001  |
| 1211     | 100      | Unbiased            | 1.55       | 1.549       | -0.001 |
| 1212     | 100      | Unbiased            | 1.572      | 1.57        | -0.002 |
| 1213     | 100      | Unbiased            | 1.544      | 1.543       | -0.001 |
| 1214     | 100      | Unbiased            | 1.546      | 1.547       | 0.001  |

TID vs Post - Pre Exposure Delta



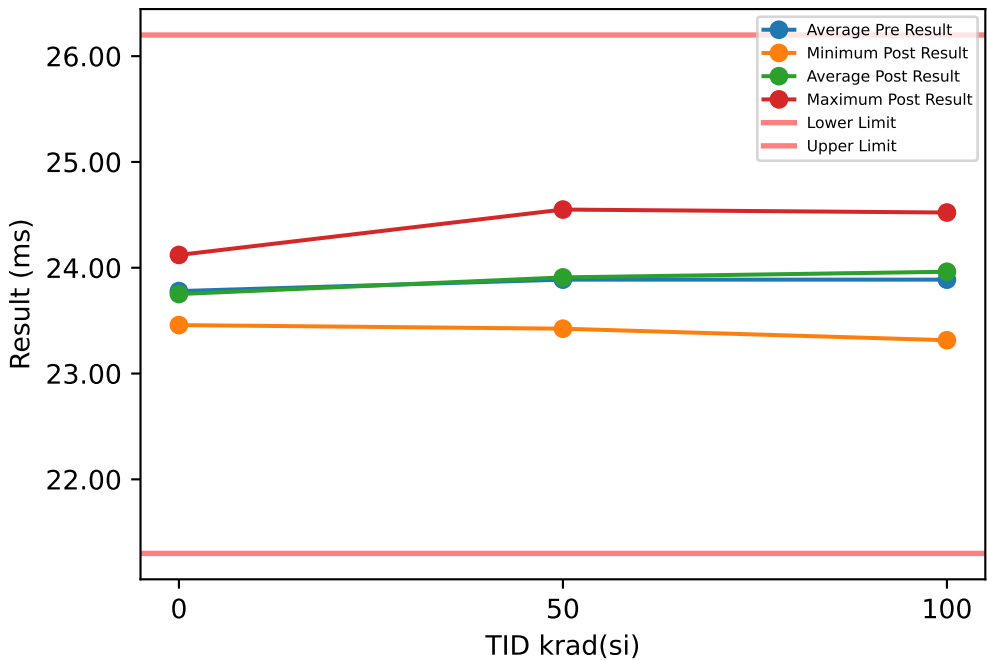
Test Statistics (s)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 1.547            | 1.5667           | 1.591            | 0.020007         | 1.547             | 1.5667            | 1.591             | 0.020007          | 0         | 0         | 0         | 0         |
| 50       | 1.51             | 1.5418           | 1.572            | 0.017803         | 1.508             | 1.5437            | 1.573             | 0.018573          | -0.003    | 0.0019167 | 0.007     | 0.0033699 |
| 100      | 1.51             | 1.5418           | 1.572            | 0.017803         | 1.511             | 1.5456            | 1.584             | 0.019718          | -0.002    | 0.0038333 | 0.017     | 0.0058284 |



Device Test: 5.35 ; DLY\_TMR\_1MOHM

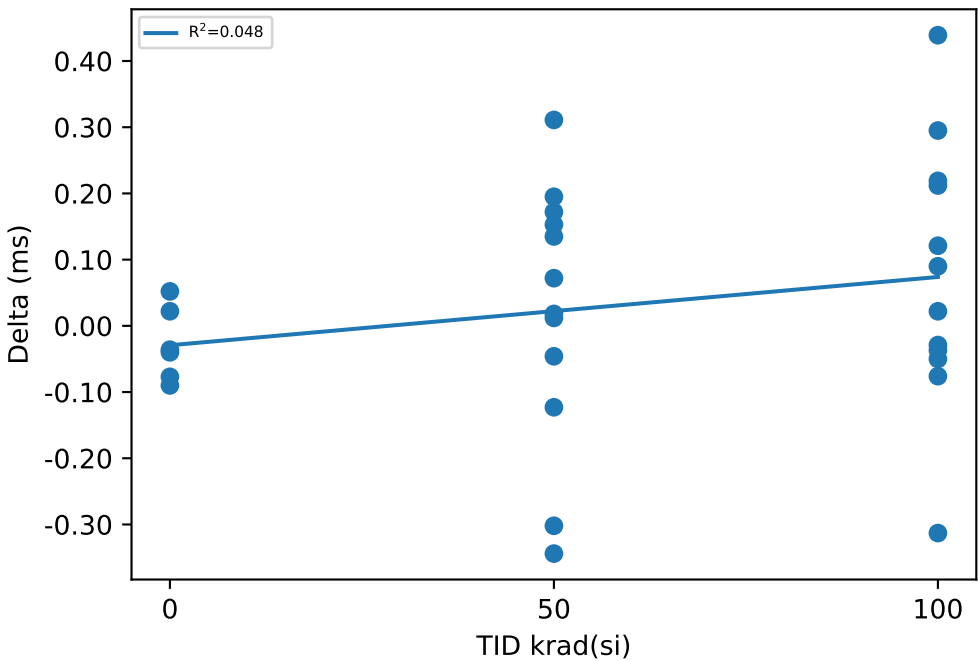
TID vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 24.099     | 24.022      | -0.077 |
| 201      | 0        | Correlation         | 23.741     | 23.651      | -0.09  |
| 202      | 0        | Correlation         | 23.498     | 23.458      | -0.04  |
| 203      | 50       | Biased              | 23.794     | 23.929      | 0.135  |
| 204      | 50       | Biased              | 23.366     | 23.677      | 0.311  |
| 205      | 50       | Biased              | 24.227     | 24.38       | 0.153  |
| 206      | 50       | Biased              | 24.355     | 24.55       | 0.195  |
| 207      | 50       | Biased              | 23.352     | 23.424      | 0.072  |
| 208      | 50       | Biased              | 24.187     | 24.199      | 0.012  |
| 209      | 50       | Unbiased            | 23.533     | 23.551      | 0.018  |
| 210      | 50       | Unbiased            | 23.542     | 23.714      | 0.172  |
| 211      | 50       | Unbiased            | 24.31      | 23.966      | -0.344 |
| 212      | 50       | Unbiased            | 23.709     | 23.663      | -0.046 |
| 213      | 50       | Unbiased            | 23.986     | 23.863      | -0.123 |
| 214      | 50       | Unbiased            | 24.291     | 23.989      | -0.302 |
| 1200     | 0        | Correlation         | 24.099     | 24.121      | 0.022  |
| 1201     | 0        | Correlation         | 23.741     | 23.705      | -0.036 |
| 1202     | 0        | Correlation         | 23.498     | 23.55       | 0.052  |
| 1203     | 100      | Biased              | 23.794     | 24.233      | 0.439  |
| 1204     | 100      | Biased              | 23.366     | 23.578      | 0.212  |
| 1205     | 100      | Biased              | 24.227     | 24.522      | 0.295  |
| 1206     | 100      | Biased              | 24.355     | 24.476      | 0.121  |
| 1207     | 100      | Biased              | 23.352     | 23.315      | -0.037 |
| 1208     | 100      | Biased              | 24.187     | 24.277      | 0.09   |
| 1209     | 100      | Unbiased            | 23.533     | 23.457      | -0.076 |
| 1210     | 100      | Unbiased            | 23.542     | 23.564      | 0.022  |
| 1211     | 100      | Unbiased            | 24.31      | 23.997      | -0.313 |
| 1212     | 100      | Unbiased            | 23.709     | 23.928      | 0.219  |
| 1213     | 100      | Unbiased            | 23.986     | 23.936      | -0.05  |
| 1214     | 100      | Unbiased            | 24.291     | 24.262      | -0.029 |

TID vs Post - Pre Exposure Delta

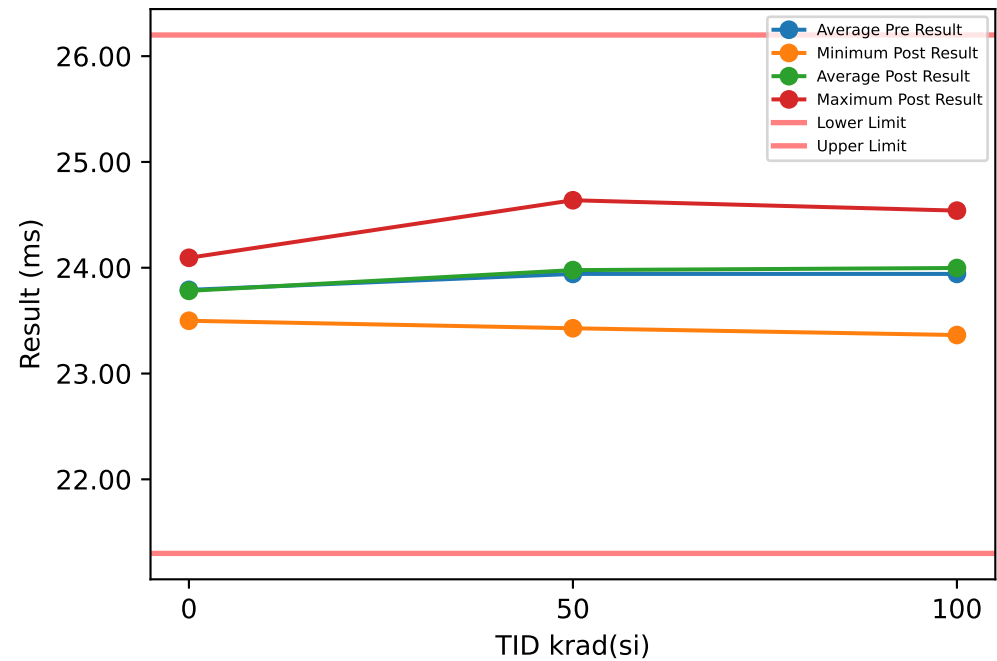


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 23.498           | 23.779           | 24.099           | 0.27041          | 23.458            | 23.751            | 24.121            | 0.26409           | -0.09     | -0.028167 | 0.052     | 0.055413  |
| 50       | 23.352           | 23.888           | 24.355           | 0.38363          | 23.424            | 23.909            | 24.55             | 0.33639           | -0.344    | 0.021083  | 0.311     | 0.19842   |
| 100      | 23.352           | 23.888           | 24.355           | 0.38363          | 23.315            | 23.962            | 24.522            | 0.4071            | -0.313    | 0.074417  | 0.439     | 0.19952   |

Device Test: 5.36 ; DLY\_TMR\_1MOHM

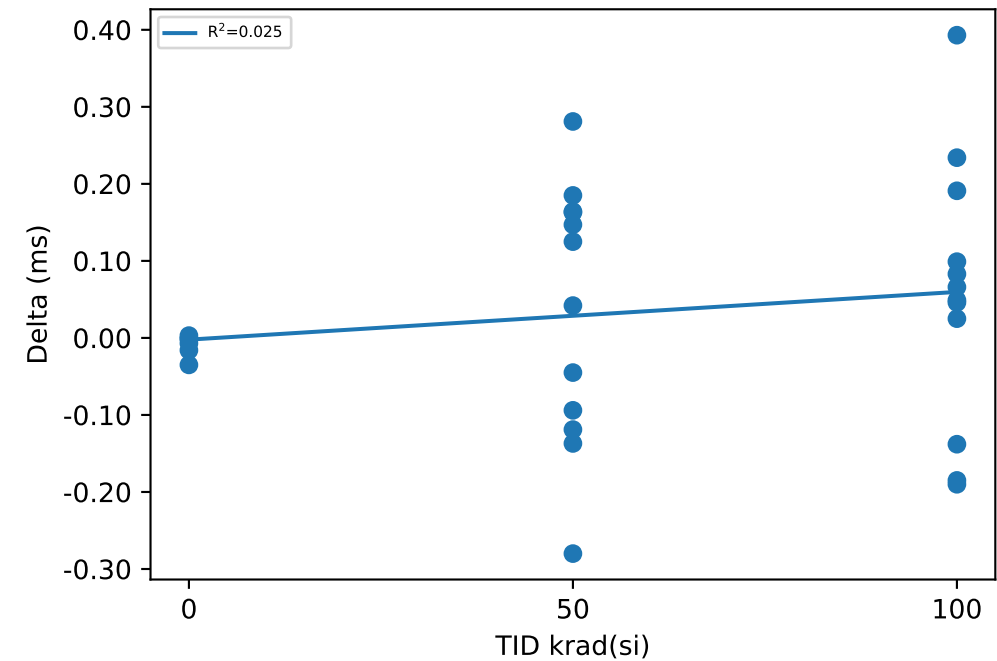
TID vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 24.095     | 24.094      | -0.001 |
| 201      | 0        | Correlation         | 23.744     | 23.747      | 0.003  |
| 202      | 0        | Correlation         | 23.534     | 23.533      | -0.001 |
| 203      | 50       | Biased              | 23.878     | 24.003      | 0.125  |
| 204      | 50       | Biased              | 23.454     | 23.735      | 0.281  |
| 205      | 50       | Biased              | 24.293     | 24.457      | 0.164  |
| 206      | 50       | Biased              | 24.491     | 24.638      | 0.147  |
| 207      | 50       | Biased              | 23.265     | 23.428      | 0.163  |
| 208      | 50       | Biased              | 24.156     | 24.341      | 0.185  |
| 209      | 50       | Unbiased            | 23.644     | 23.599      | -0.045 |
| 210      | 50       | Unbiased            | 23.64      | 23.682      | 0.042  |
| 211      | 50       | Unbiased            | 24.296     | 24.016      | -0.28  |
| 212      | 50       | Unbiased            | 23.809     | 23.69       | -0.119 |
| 213      | 50       | Unbiased            | 24.104     | 24.01       | -0.094 |
| 214      | 50       | Unbiased            | 24.27      | 24.133      | -0.137 |
| 1200     | 0        | Correlation         | 24.095     | 24.079      | -0.016 |
| 1201     | 0        | Correlation         | 23.744     | 23.737      | -0.007 |
| 1202     | 0        | Correlation         | 23.534     | 23.499      | -0.035 |
| 1203     | 100      | Biased              | 23.878     | 24.271      | 0.393  |
| 1204     | 100      | Biased              | 23.454     | 23.5        | 0.046  |
| 1205     | 100      | Biased              | 24.293     | 24.527      | 0.234  |
| 1206     | 100      | Biased              | 24.491     | 24.54       | 0.049  |
| 1207     | 100      | Biased              | 23.265     | 23.364      | 0.099  |
| 1208     | 100      | Biased              | 24.156     | 24.239      | 0.083  |
| 1209     | 100      | Unbiased            | 23.644     | 23.459      | -0.185 |
| 1210     | 100      | Unbiased            | 23.64      | 23.665      | 0.025  |
| 1211     | 100      | Unbiased            | 24.296     | 24.106      | -0.19  |
| 1212     | 100      | Unbiased            | 23.809     | 24          | 0.191  |
| 1213     | 100      | Unbiased            | 24.104     | 23.966      | -0.138 |
| 1214     | 100      | Unbiased            | 24.27      | 24.336      | 0.066  |

TID vs Post - Pre Exposure Delta

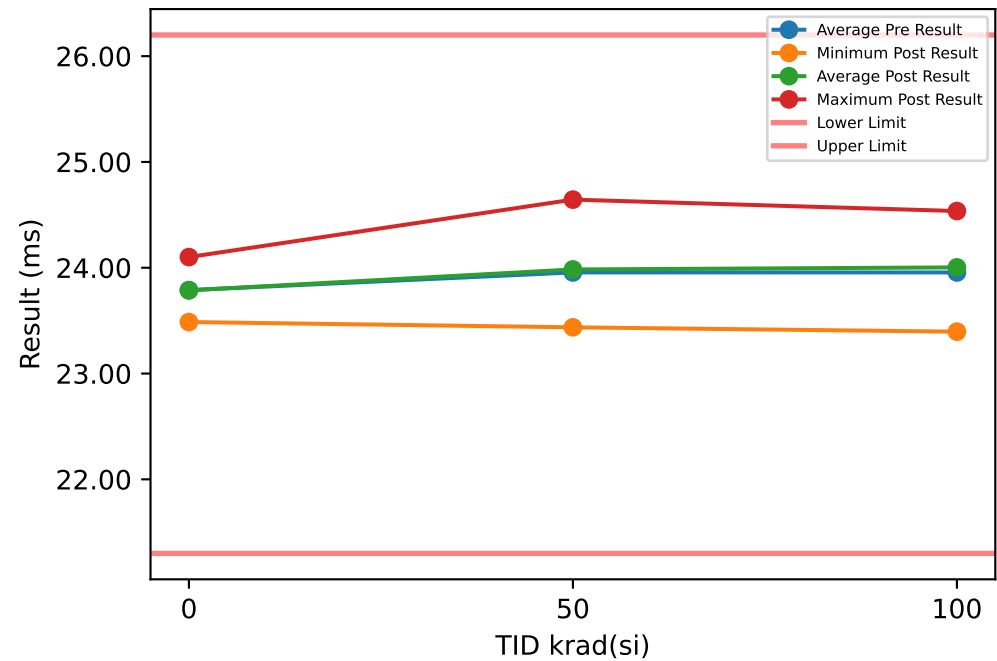


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 23.534           | 23.791           | 24.095           | 0.25351          | 23.499            | 23.781            | 24.094            | 0.25725           | -0.035    | -0.0095   | 0.003     | 0.014139  |
| 50       | 23.265           | 23.942           | 24.491           | 0.38468          | 23.428            | 23.978            | 24.638            | 0.36923           | -0.28     | 0.036     | 0.281     | 0.16849   |
| 100      | 23.265           | 23.942           | 24.491           | 0.38468          | 23.364            | 23.998            | 24.54             | 0.41391           | -0.19     | 0.056083  | 0.393     | 0.17149   |

Device Test: 5.37 ; DLY\_TMR\_1MOHM

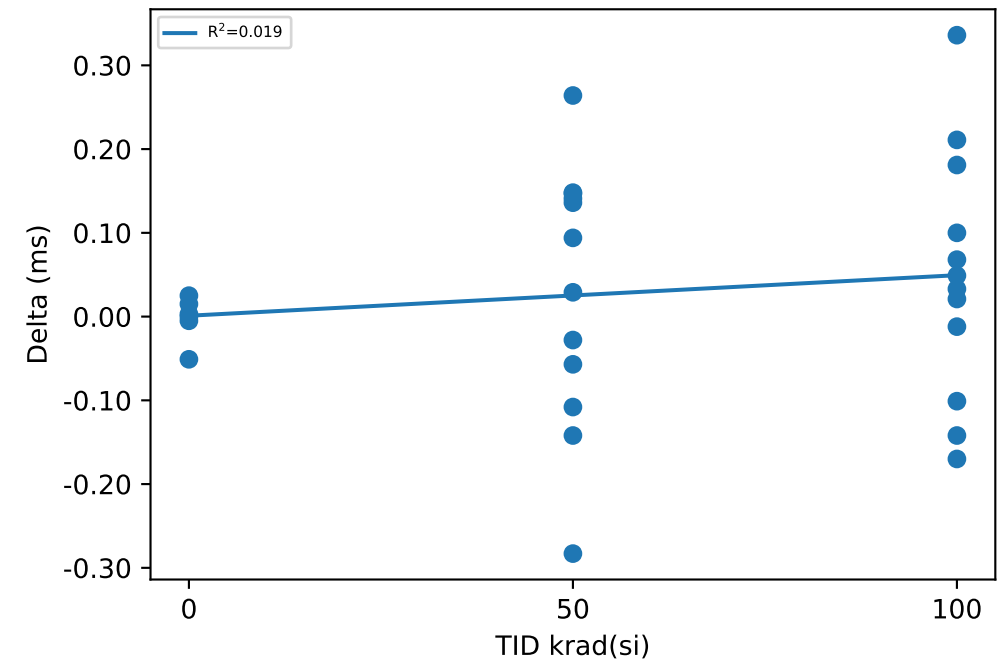
TID vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 24.076     | 24.101      | 0.025  |
| 201      | 0        | Correlation         | 23.752     | 23.755      | 0.003  |
| 202      | 0        | Correlation         | 23.538     | 23.538      | 0      |
| 203      | 50       | Biased              | 23.917     | 24.011      | 0.094  |
| 204      | 50       | Biased              | 23.479     | 23.743      | 0.264  |
| 205      | 50       | Biased              | 24.325     | 24.461      | 0.136  |
| 206      | 50       | Biased              | 24.496     | 24.644      | 0.148  |
| 207      | 50       | Biased              | 23.296     | 23.437      | 0.141  |
| 208      | 50       | Biased              | 24.198     | 24.345      | 0.147  |
| 209      | 50       | Unbiased            | 23.635     | 23.607      | -0.028 |
| 210      | 50       | Unbiased            | 23.658     | 23.687      | 0.029  |
| 211      | 50       | Unbiased            | 24.305     | 24.022      | -0.283 |
| 212      | 50       | Unbiased            | 23.803     | 23.695      | -0.108 |
| 213      | 50       | Unbiased            | 24.073     | 24.016      | -0.057 |
| 214      | 50       | Unbiased            | 24.281     | 24.139      | -0.142 |
| 1200     | 0        | Correlation         | 24.076     | 24.091      | 0.015  |
| 1201     | 0        | Correlation         | 23.752     | 23.747      | -0.005 |
| 1202     | 0        | Correlation         | 23.538     | 23.487      | -0.051 |
| 1203     | 100      | Biased              | 23.917     | 24.253      | 0.336  |
| 1204     | 100      | Biased              | 23.479     | 23.5        | 0.021  |
| 1205     | 100      | Biased              | 24.325     | 24.536      | 0.211  |
| 1206     | 100      | Biased              | 24.496     | 24.529      | 0.033  |
| 1207     | 100      | Biased              | 23.296     | 23.396      | 0.1    |
| 1208     | 100      | Biased              | 24.198     | 24.247      | 0.049  |
| 1209     | 100      | Unbiased            | 23.635     | 23.493      | -0.142 |
| 1210     | 100      | Unbiased            | 23.658     | 23.646      | -0.012 |
| 1211     | 100      | Unbiased            | 24.305     | 24.135      | -0.17  |
| 1212     | 100      | Unbiased            | 23.803     | 23.984      | 0.181  |
| 1213     | 100      | Unbiased            | 24.073     | 23.972      | -0.101 |
| 1214     | 100      | Unbiased            | 24.281     | 24.349      | 0.068  |

TID vs Post - Pre Exposure Delta

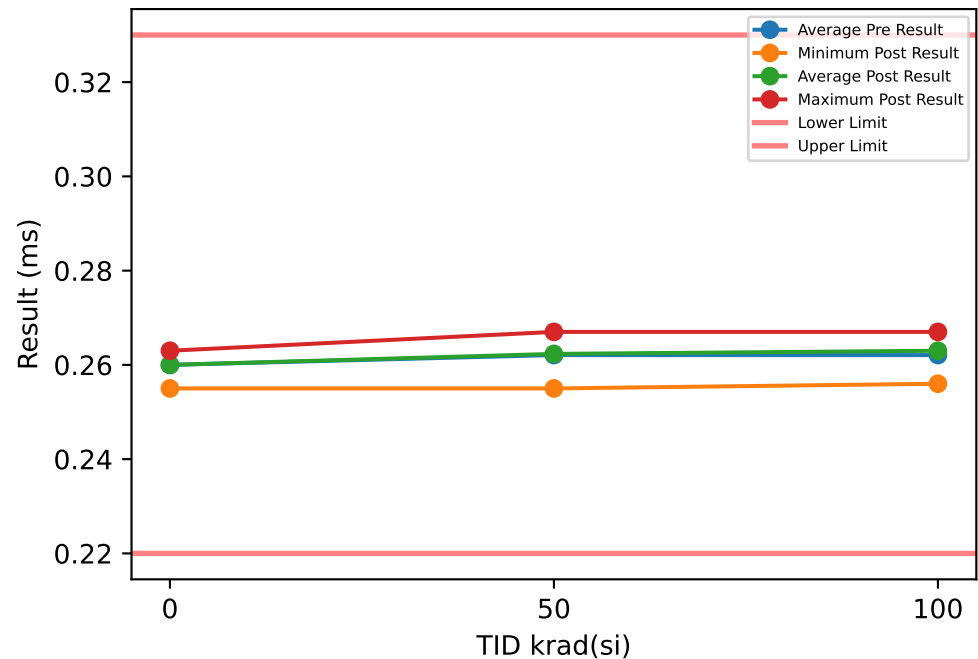


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 23.538           | 23.789           | 24.076           | 0.24227          | 23.487            | 23.787            | 24.101            | 0.26292           | -0.051    | -0.0021667 | 0.025     | 0.026294  |
| 50       | 23.296           | 23.956           | 24.496           | 0.38226          | 23.437            | 23.984            | 24.644            | 0.36827           | -0.283    | 0.028417   | 0.264     | 0.15595   |
| 100      | 23.296           | 23.956           | 24.496           | 0.38226          | 23.396            | 24.003            | 24.536            | 0.40791           | -0.17     | 0.047833   | 0.336     | 0.14792   |

Device Test: 5.38 ; DLY\_TMR\_10KOHM

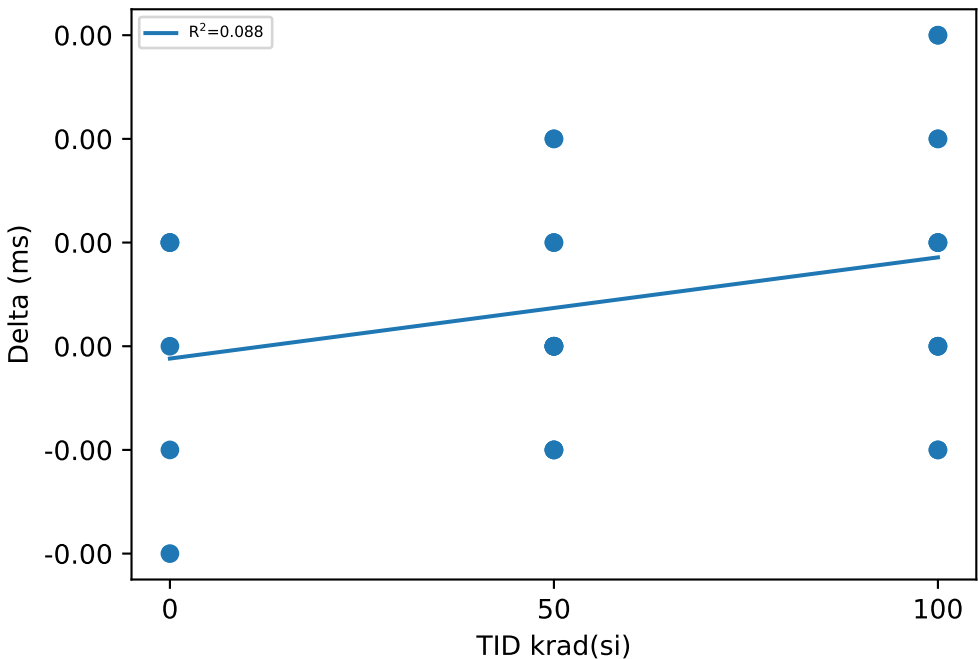
TID vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.264      | 0.262       | -0.002 |
| 201      | 0        | Correlation         | 0.261      | 0.262       | 0.001  |
| 202      | 0        | Correlation         | 0.255      | 0.255       | 0      |
| 203      | 50       | Biased              | 0.262      | 0.262       | 0      |
| 204      | 50       | Biased              | 0.261      | 0.262       | 0.001  |
| 205      | 50       | Biased              | 0.265      | 0.267       | 0.002  |
| 206      | 50       | Biased              | 0.264      | 0.265       | 0.001  |
| 207      | 50       | Biased              | 0.261      | 0.263       | 0.002  |
| 208      | 50       | Biased              | 0.255      | 0.255       | 0      |
| 209      | 50       | Unbiased            | 0.256      | 0.255       | -0.001 |
| 210      | 50       | Unbiased            | 0.262      | 0.262       | 0      |
| 211      | 50       | Unbiased            | 0.266      | 0.265       | -0.001 |
| 212      | 50       | Unbiased            | 0.263      | 0.263       | 0      |
| 213      | 50       | Unbiased            | 0.266      | 0.266       | 0      |
| 214      | 50       | Unbiased            | 0.264      | 0.263       | -0.001 |
| 1200     | 0        | Correlation         | 0.264      | 0.263       | -0.001 |
| 1201     | 0        | Correlation         | 0.261      | 0.262       | 0.001  |
| 1202     | 0        | Correlation         | 0.255      | 0.256       | 0.001  |
| 1203     | 100      | Biased              | 0.262      | 0.265       | 0.003  |
| 1204     | 100      | Biased              | 0.261      | 0.262       | 0.001  |
| 1205     | 100      | Biased              | 0.265      | 0.267       | 0.002  |
| 1206     | 100      | Biased              | 0.264      | 0.263       | -0.001 |
| 1207     | 100      | Biased              | 0.261      | 0.264       | 0.003  |
| 1208     | 100      | Biased              | 0.255      | 0.256       | 0.001  |
| 1209     | 100      | Unbiased            | 0.256      | 0.256       | 0      |
| 1210     | 100      | Unbiased            | 0.262      | 0.264       | 0.002  |
| 1211     | 100      | Unbiased            | 0.266      | 0.265       | -0.001 |
| 1212     | 100      | Unbiased            | 0.263      | 0.264       | 0.001  |
| 1213     | 100      | Unbiased            | 0.266      | 0.266       | 0      |
| 1214     | 100      | Unbiased            | 0.264      | 0.264       | 0      |

TID vs Post - Pre Exposure Delta

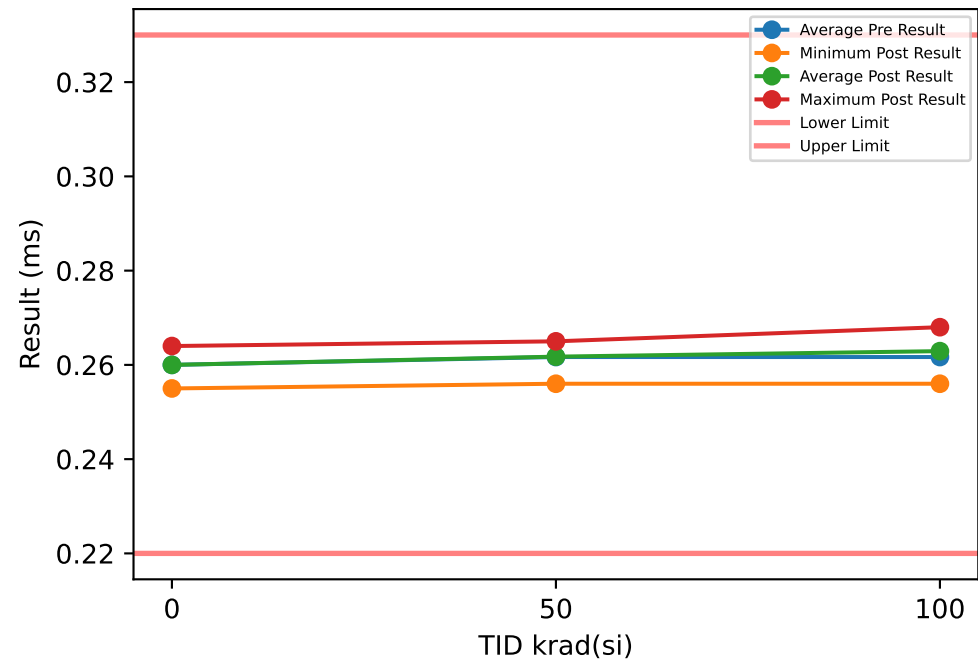


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 0.255            | 0.26             | 0.264            | 0.0040988        | 0.255             | 0.26              | 0.263             | 0.0035214         | -0.002    | 0          | 0.001     | 0.0012649 |
| 50       | 0.255            | 0.26208          | 0.266            | 0.003528         | 0.255             | 0.26233           | 0.267             | 0.0037979         | -0.001    | 0.00025    | 0.002     | 0.0010553 |
| 100      | 0.255            | 0.26208          | 0.266            | 0.003528         | 0.256             | 0.263             | 0.267             | 0.0035162         | -0.001    | 0.00091667 | 0.003     | 0.001379  |

Device Test: 5.39 ; DLY\_TMR\_10KOHM

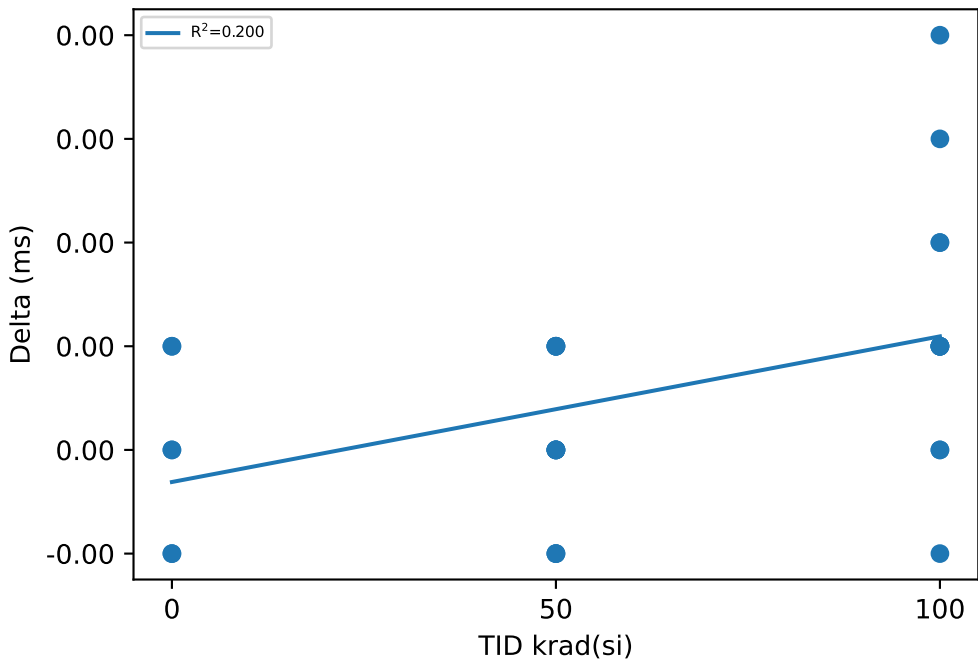
TID vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.263      | 0.262       | -0.001 |
| 201      | 0        | Correlation         | 0.262      | 0.261       | -0.001 |
| 202      | 0        | Correlation         | 0.255      | 0.256       | 0.001  |
| 203      | 50       | Biased              | 0.261      | 0.261       | 0      |
| 204      | 50       | Biased              | 0.261      | 0.261       | 0      |
| 205      | 50       | Biased              | 0.264      | 0.265       | 0.001  |
| 206      | 50       | Biased              | 0.262      | 0.263       | 0.001  |
| 207      | 50       | Biased              | 0.261      | 0.262       | 0.001  |
| 208      | 50       | Biased              | 0.256      | 0.256       | 0      |
| 209      | 50       | Unbiased            | 0.256      | 0.256       | 0      |
| 210      | 50       | Unbiased            | 0.262      | 0.263       | 0.001  |
| 211      | 50       | Unbiased            | 0.266      | 0.265       | -0.001 |
| 212      | 50       | Unbiased            | 0.263      | 0.263       | 0      |
| 213      | 50       | Unbiased            | 0.265      | 0.264       | -0.001 |
| 214      | 50       | Unbiased            | 0.263      | 0.262       | -0.001 |
| 1200     | 0        | Correlation         | 0.263      | 0.264       | 0.001  |
| 1201     | 0        | Correlation         | 0.262      | 0.262       | 0      |
| 1202     | 0        | Correlation         | 0.255      | 0.255       | 0      |
| 1203     | 100      | Biased              | 0.261      | 0.264       | 0.003  |
| 1204     | 100      | Biased              | 0.261      | 0.262       | 0.001  |
| 1205     | 100      | Biased              | 0.264      | 0.268       | 0.004  |
| 1206     | 100      | Biased              | 0.262      | 0.264       | 0.002  |
| 1207     | 100      | Biased              | 0.261      | 0.263       | 0.002  |
| 1208     | 100      | Biased              | 0.256      | 0.256       | 0      |
| 1209     | 100      | Unbiased            | 0.256      | 0.257       | 0.001  |
| 1210     | 100      | Unbiased            | 0.262      | 0.263       | 0.001  |
| 1211     | 100      | Unbiased            | 0.266      | 0.265       | -0.001 |
| 1212     | 100      | Unbiased            | 0.263      | 0.264       | 0.001  |
| 1213     | 100      | Unbiased            | 0.265      | 0.266       | 0.001  |
| 1214     | 100      | Unbiased            | 0.263      | 0.263       | 0      |

TID vs Post - Pre Exposure Delta



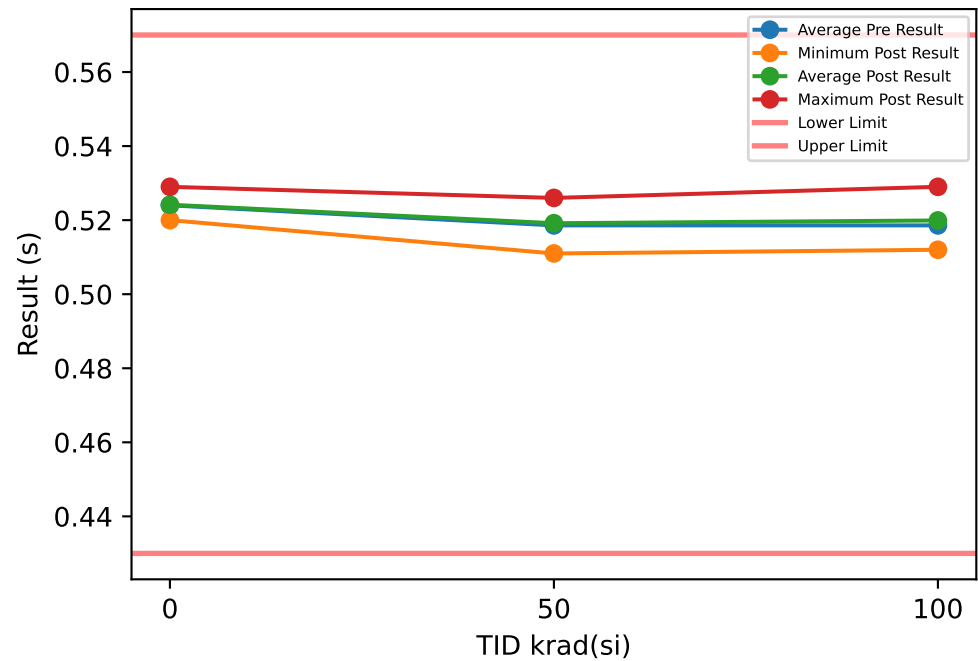
Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|------------|
| 0        | 0.255            | 0.26             | 0.263            | 0.0038987        | 0.255             | 0.26              | 0.264             | 0.0036332         | -0.001    | 0          | 0.001     | 0.00089443 |
| 50       | 0.256            | 0.26167          | 0.266            | 0.0030847        | 0.256             | 0.26175           | 0.265             | 0.0029886         | -0.001    | 8.3333e-05 | 0.001     | 0.00079296 |
| 100      | 0.256            | 0.26167          | 0.266            | 0.0030847        | 0.256             | 0.26292           | 0.268             | 0.0033967         | -0.001    | 0.00125    | 0.004     | 0.0013568  |



Device Test: 5.40 ; WD\_TMR\_10KOHM

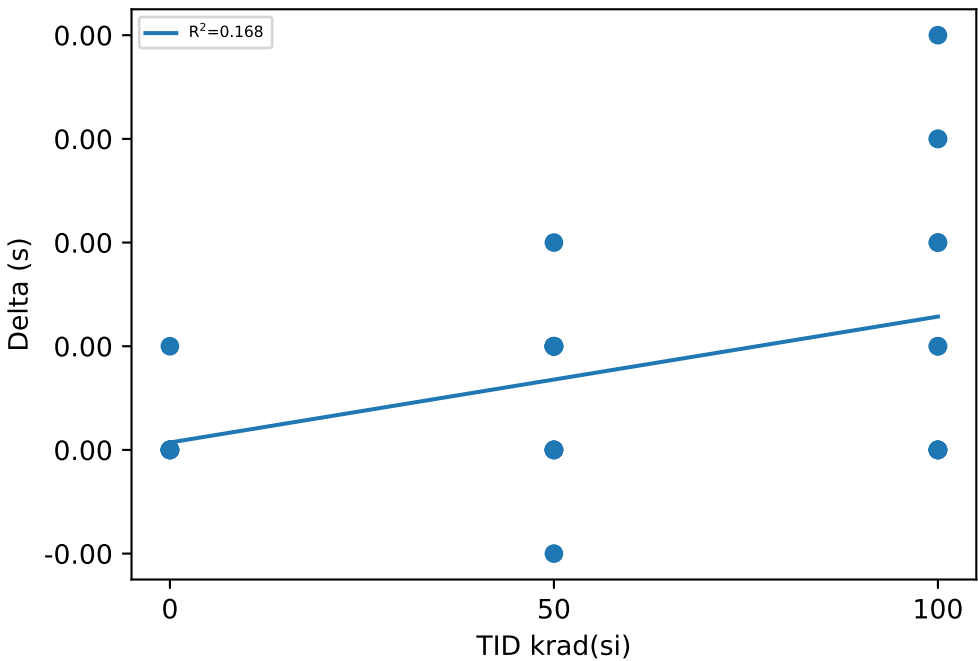
TID vs Result Stats



Test Results (Lower Limit = 0.43, Upper Limit = 0.57 (s))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.529      | 0.529       | 0      |
| 201      | 0        | Correlation         | 0.52       | 0.52        | 0      |
| 202      | 0        | Correlation         | 0.523      | 0.523       | 0      |
| 203      | 50       | Biased              | 0.514      | 0.515       | 0.001  |
| 204      | 50       | Biased              | 0.514      | 0.516       | 0.002  |
| 205      | 50       | Biased              | 0.517      | 0.518       | 0.001  |
| 206      | 50       | Biased              | 0.525      | 0.526       | 0.001  |
| 207      | 50       | Biased              | 0.52       | 0.521       | 0.001  |
| 208      | 50       | Biased              | 0.52       | 0.52        | 0      |
| 209      | 50       | Unbiased            | 0.516      | 0.517       | 0.001  |
| 210      | 50       | Unbiased            | 0.511      | 0.511       | 0      |
| 211      | 50       | Unbiased            | 0.522      | 0.522       | 0      |
| 212      | 50       | Unbiased            | 0.525      | 0.525       | 0      |
| 213      | 50       | Unbiased            | 0.519      | 0.518       | -0.001 |
| 214      | 50       | Unbiased            | 0.52       | 0.521       | 0.001  |
| 1200     | 0        | Correlation         | 0.529      | 0.529       | 0      |
| 1201     | 0        | Correlation         | 0.52       | 0.52        | 0      |
| 1202     | 0        | Correlation         | 0.523      | 0.524       | 0.001  |
| 1203     | 100      | Biased              | 0.514      | 0.514       | 0      |
| 1204     | 100      | Biased              | 0.514      | 0.517       | 0.003  |
| 1205     | 100      | Biased              | 0.517      | 0.519       | 0.002  |
| 1206     | 100      | Biased              | 0.525      | 0.529       | 0.004  |
| 1207     | 100      | Biased              | 0.52       | 0.523       | 0.003  |
| 1208     | 100      | Biased              | 0.52       | 0.52        | 0      |
| 1209     | 100      | Unbiased            | 0.516      | 0.518       | 0.002  |
| 1210     | 100      | Unbiased            | 0.511      | 0.512       | 0.001  |
| 1211     | 100      | Unbiased            | 0.522      | 0.522       | 0      |
| 1212     | 100      | Unbiased            | 0.525      | 0.525       | 0      |
| 1213     | 100      | Unbiased            | 0.519      | 0.519       | 0      |
| 1214     | 100      | Unbiased            | 0.52       | 0.521       | 0.001  |

TID vs Post - Pre Exposure Delta

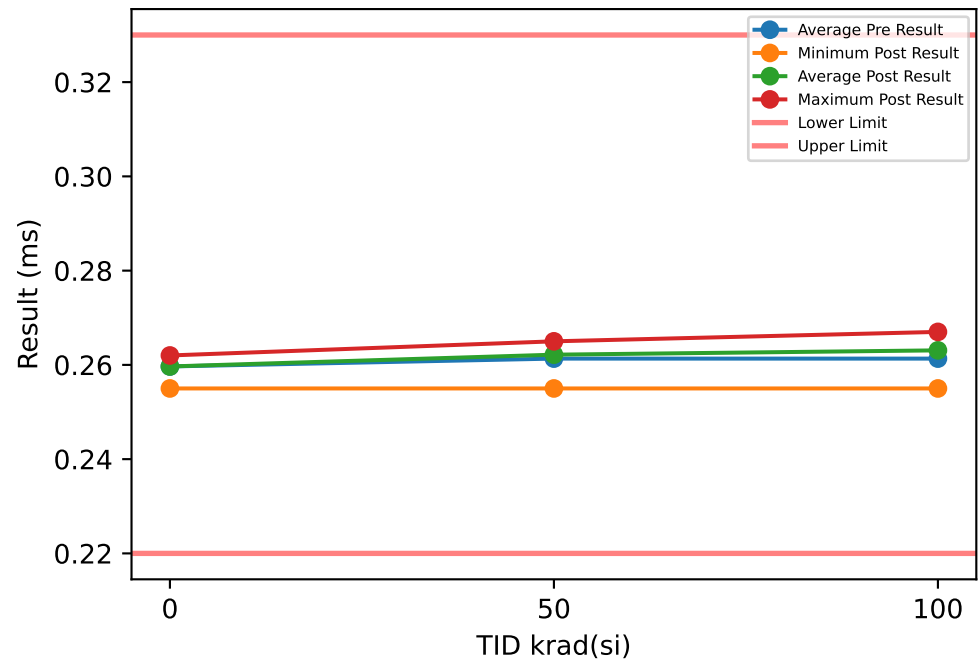


Test Statistics (s)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|------------|
| 0        | 0.52             | 0.524            | 0.529            | 0.0040988        | 0.52              | 0.52417           | 0.529             | 0.0040702         | 0         | 0.00016667 | 0.001     | 0.00040825 |
| 50       | 0.511            | 0.51858          | 0.525            | 0.004358         | 0.511             | 0.51917           | 0.526             | 0.0042391         | -0.001    | 0.00058333 | 0.002     | 0.00079296 |
| 100      | 0.511            | 0.51858          | 0.525            | 0.004358         | 0.512             | 0.51992           | 0.529             | 0.0046213         | 0         | 0.0013333  | 0.004     | 0.0014355  |

Device Test: 5.41 ; DLY\_TMR\_10KOHM

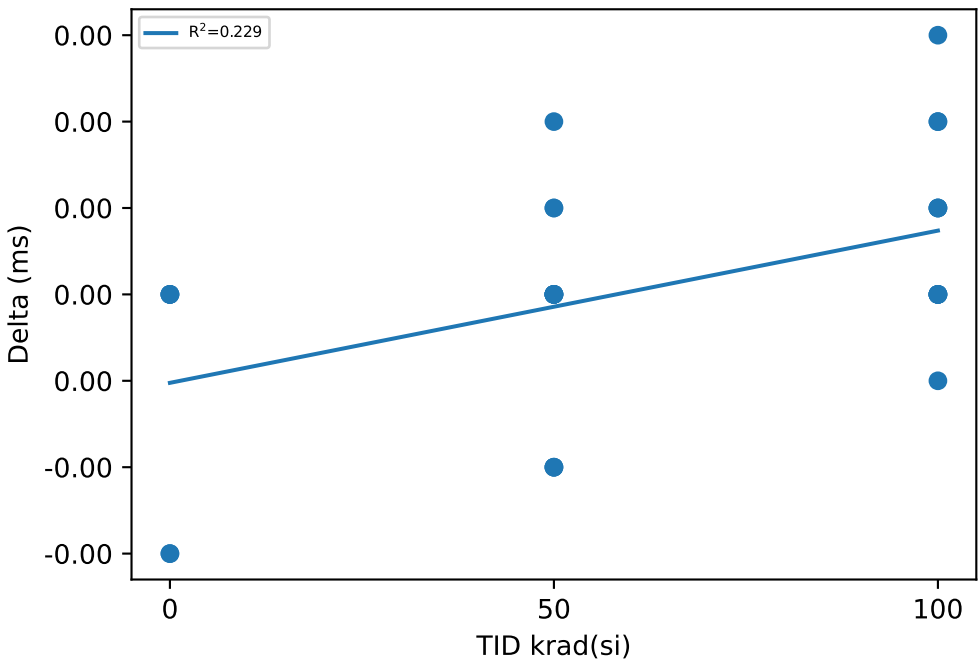
TID vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.264      | 0.262       | -0.002 |
| 201      | 0        | Correlation         | 0.261      | 0.262       | 0.001  |
| 202      | 0        | Correlation         | 0.254      | 0.255       | 0.001  |
| 203      | 50       | Biased              | 0.261      | 0.263       | 0.002  |
| 204      | 50       | Biased              | 0.26       | 0.261       | 0.001  |
| 205      | 50       | Biased              | 0.266      | 0.265       | -0.001 |
| 206      | 50       | Biased              | 0.262      | 0.263       | 0.001  |
| 207      | 50       | Biased              | 0.262      | 0.261       | -0.001 |
| 208      | 50       | Biased              | 0.254      | 0.255       | 0.001  |
| 209      | 50       | Unbiased            | 0.256      | 0.257       | 0.001  |
| 210      | 50       | Unbiased            | 0.261      | 0.264       | 0.003  |
| 211      | 50       | Unbiased            | 0.264      | 0.265       | 0.001  |
| 212      | 50       | Unbiased            | 0.262      | 0.264       | 0.002  |
| 213      | 50       | Unbiased            | 0.265      | 0.264       | -0.001 |
| 214      | 50       | Unbiased            | 0.263      | 0.264       | 0.001  |
| 1200     | 0        | Correlation         | 0.264      | 0.262       | -0.002 |
| 1201     | 0        | Correlation         | 0.261      | 0.262       | 0.001  |
| 1202     | 0        | Correlation         | 0.254      | 0.255       | 0.001  |
| 1203     | 100      | Biased              | 0.261      | 0.264       | 0.003  |
| 1204     | 100      | Biased              | 0.26       | 0.263       | 0.003  |
| 1205     | 100      | Biased              | 0.266      | 0.267       | 0.001  |
| 1206     | 100      | Biased              | 0.262      | 0.264       | 0.002  |
| 1207     | 100      | Biased              | 0.262      | 0.263       | 0.001  |
| 1208     | 100      | Biased              | 0.254      | 0.255       | 0.001  |
| 1209     | 100      | Unbiased            | 0.256      | 0.256       | 0      |
| 1210     | 100      | Unbiased            | 0.261      | 0.265       | 0.004  |
| 1211     | 100      | Unbiased            | 0.264      | 0.266       | 0.002  |
| 1212     | 100      | Unbiased            | 0.262      | 0.264       | 0.002  |
| 1213     | 100      | Unbiased            | 0.265      | 0.266       | 0.001  |
| 1214     | 100      | Unbiased            | 0.263      | 0.264       | 0.001  |

TID vs Post - Pre Exposure Delta

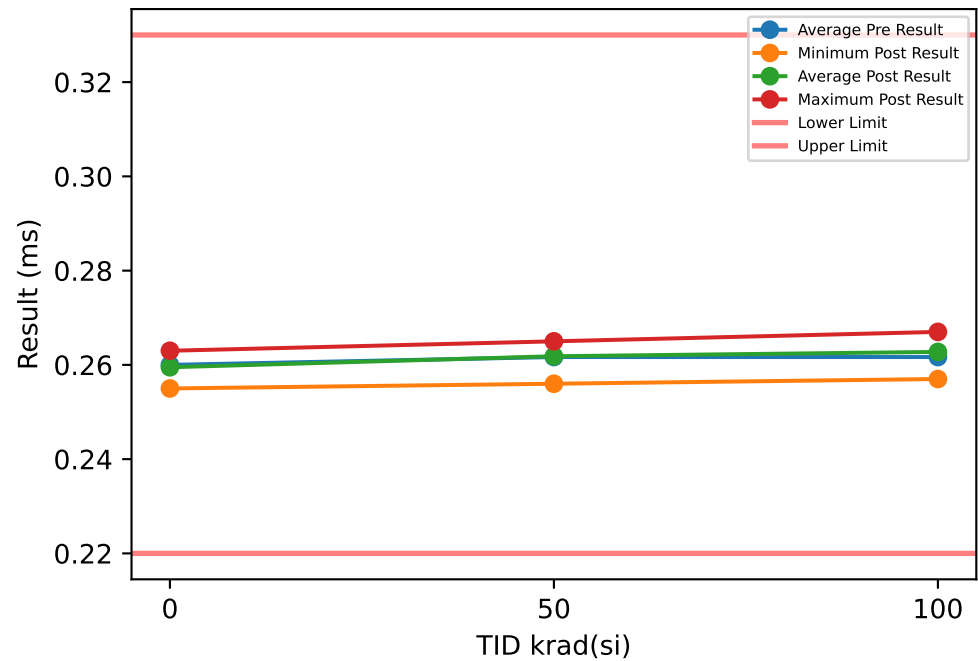


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 0.254            | 0.25967          | 0.264            | 0.0045898        | 0.255             | 0.25967           | 0.262             | 0.0036148         | -0.002    | 0          | 0.001     | 0.0015492 |
| 50       | 0.254            | 0.26133          | 0.266            | 0.0034466        | 0.255             | 0.26217           | 0.265             | 0.0031861         | -0.001    | 0.00083333 | 0.003     | 0.0012673 |
| 100      | 0.254            | 0.26133          | 0.266            | 0.0034466        | 0.255             | 0.26308           | 0.267             | 0.0037528         | 0         | 0.00175    | 0.004     | 0.0011382 |

Device Test: 5.42 ; DLY\_TMR\_10KOHM

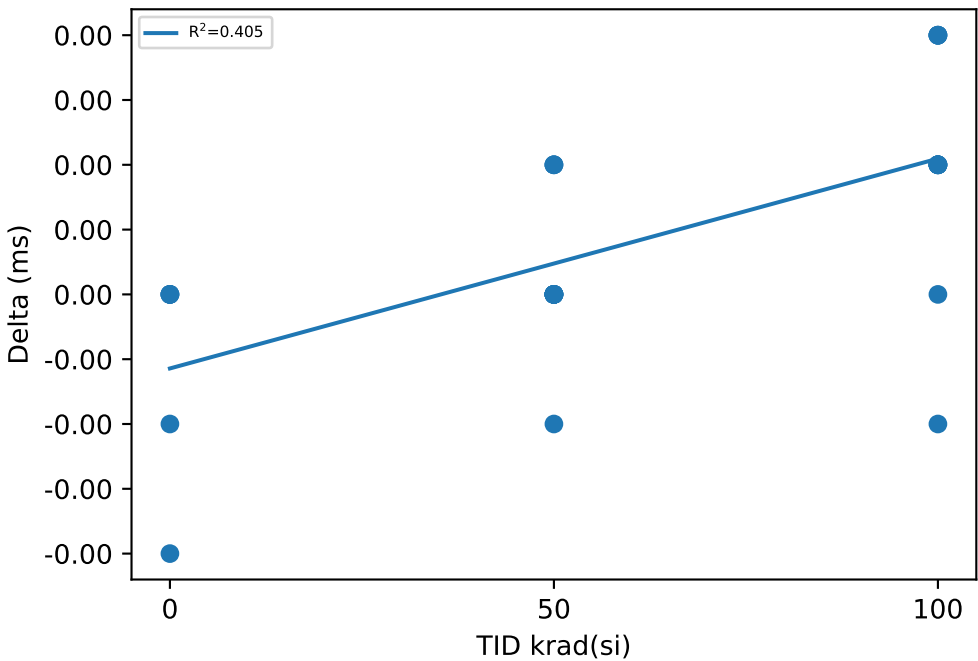
TID vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.264      | 0.262       | -0.002 |
| 201      | 0        | Correlation         | 0.261      | 0.261       | 0      |
| 202      | 0        | Correlation         | 0.255      | 0.255       | 0      |
| 203      | 50       | Biased              | 0.262      | 0.262       | 0      |
| 204      | 50       | Biased              | 0.261      | 0.262       | 0.001  |
| 205      | 50       | Biased              | 0.265      | 0.265       | 0      |
| 206      | 50       | Biased              | 0.263      | 0.263       | 0      |
| 207      | 50       | Biased              | 0.262      | 0.262       | 0      |
| 208      | 50       | Biased              | 0.255      | 0.256       | 0.001  |
| 209      | 50       | Unbiased            | 0.256      | 0.256       | 0      |
| 210      | 50       | Unbiased            | 0.262      | 0.262       | 0      |
| 211      | 50       | Unbiased            | 0.265      | 0.265       | 0      |
| 212      | 50       | Unbiased            | 0.262      | 0.262       | 0      |
| 213      | 50       | Unbiased            | 0.265      | 0.264       | -0.001 |
| 214      | 50       | Unbiased            | 0.262      | 0.263       | 0.001  |
| 1200     | 0        | Correlation         | 0.264      | 0.263       | -0.001 |
| 1201     | 0        | Correlation         | 0.261      | 0.261       | 0      |
| 1202     | 0        | Correlation         | 0.255      | 0.255       | 0      |
| 1203     | 100      | Biased              | 0.262      | 0.263       | 0.001  |
| 1204     | 100      | Biased              | 0.261      | 0.262       | 0.001  |
| 1205     | 100      | Biased              | 0.265      | 0.267       | 0.002  |
| 1206     | 100      | Biased              | 0.263      | 0.263       | 0      |
| 1207     | 100      | Biased              | 0.262      | 0.263       | 0.001  |
| 1208     | 100      | Biased              | 0.255      | 0.257       | 0.002  |
| 1209     | 100      | Unbiased            | 0.256      | 0.257       | 0.001  |
| 1210     | 100      | Unbiased            | 0.262      | 0.264       | 0.002  |
| 1211     | 100      | Unbiased            | 0.265      | 0.266       | 0.001  |
| 1212     | 100      | Unbiased            | 0.262      | 0.263       | 0.001  |
| 1213     | 100      | Unbiased            | 0.265      | 0.264       | -0.001 |
| 1214     | 100      | Unbiased            | 0.262      | 0.264       | 0.002  |

TID vs Post - Pre Exposure Delta

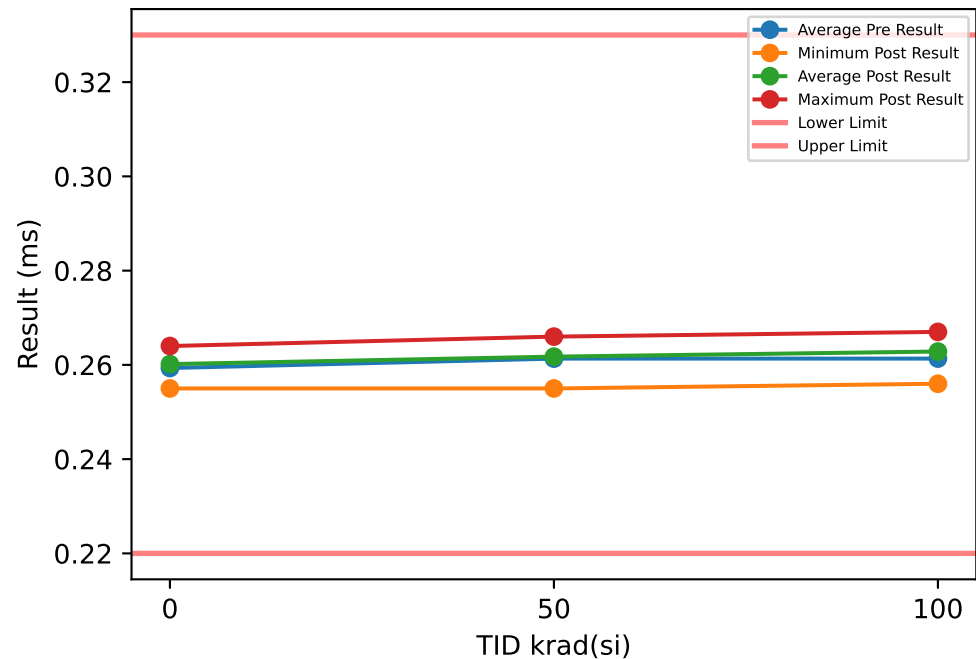


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|------------|
| 0        | 0.255            | 0.26             | 0.264            | 0.0040988        | 0.255             | 0.2595            | 0.263             | 0.0035637         | -0.002    | -0.0005    | 0         | 0.00083666 |
| 50       | 0.255            | 0.26167          | 0.265            | 0.0032004        | 0.256             | 0.26183           | 0.265             | 0.0029491         | -0.001    | 0.00016667 | 0.001     | 0.00057735 |
| 100      | 0.255            | 0.26167          | 0.265            | 0.0032004        | 0.257             | 0.26275           | 0.267             | 0.0030189         | -0.001    | 0.0010833  | 0.002     | 0.00090034 |

Device Test: 5.43 ; DLY\_TMR\_10KOHM

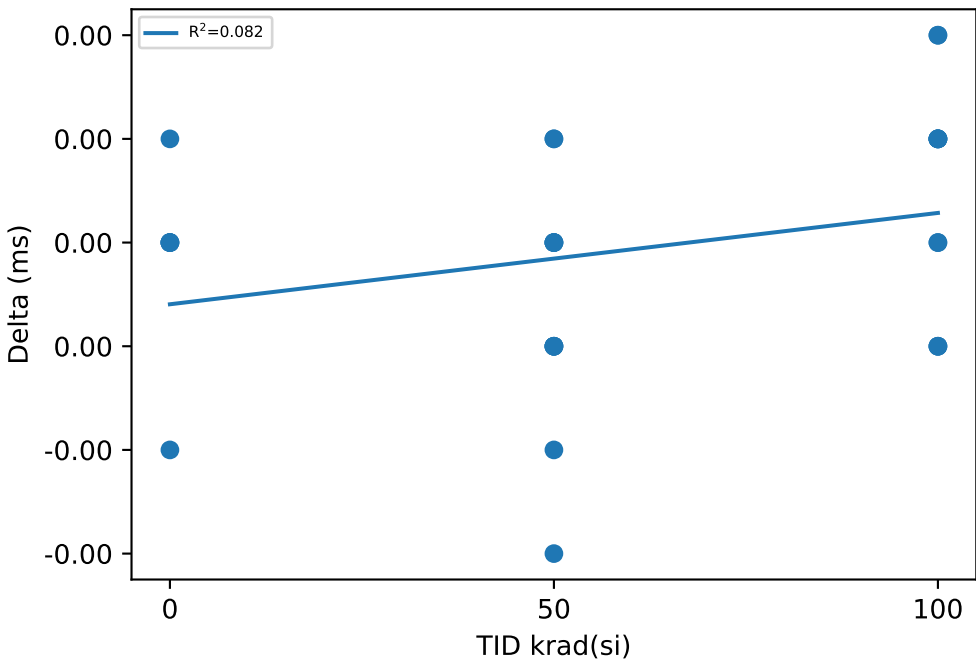
TID vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.263      | 0.262       | -0.001 |
| 201      | 0        | Correlation         | 0.261      | 0.262       | 0.001  |
| 202      | 0        | Correlation         | 0.254      | 0.255       | 0.001  |
| 203      | 50       | Biased              | 0.261      | 0.261       | 0      |
| 204      | 50       | Biased              | 0.262      | 0.26        | -0.002 |
| 205      | 50       | Biased              | 0.264      | 0.265       | 0.001  |
| 206      | 50       | Biased              | 0.263      | 0.263       | 0      |
| 207      | 50       | Biased              | 0.262      | 0.261       | -0.001 |
| 208      | 50       | Biased              | 0.254      | 0.256       | 0.002  |
| 209      | 50       | Unbiased            | 0.255      | 0.255       | 0      |
| 210      | 50       | Unbiased            | 0.261      | 0.263       | 0.002  |
| 211      | 50       | Unbiased            | 0.265      | 0.266       | 0.001  |
| 212      | 50       | Unbiased            | 0.261      | 0.262       | 0.001  |
| 213      | 50       | Unbiased            | 0.265      | 0.265       | 0      |
| 214      | 50       | Unbiased            | 0.263      | 0.264       | 0.001  |
| 1200     | 0        | Correlation         | 0.263      | 0.264       | 0.001  |
| 1201     | 0        | Correlation         | 0.261      | 0.262       | 0.001  |
| 1202     | 0        | Correlation         | 0.254      | 0.256       | 0.002  |
| 1203     | 100      | Biased              | 0.261      | 0.263       | 0.002  |
| 1204     | 100      | Biased              | 0.262      | 0.262       | 0      |
| 1205     | 100      | Biased              | 0.264      | 0.266       | 0.002  |
| 1206     | 100      | Biased              | 0.263      | 0.264       | 0.001  |
| 1207     | 100      | Biased              | 0.262      | 0.264       | 0.002  |
| 1208     | 100      | Biased              | 0.254      | 0.256       | 0.002  |
| 1209     | 100      | Unbiased            | 0.255      | 0.256       | 0.001  |
| 1210     | 100      | Unbiased            | 0.261      | 0.264       | 0.003  |
| 1211     | 100      | Unbiased            | 0.265      | 0.267       | 0.002  |
| 1212     | 100      | Unbiased            | 0.261      | 0.264       | 0.003  |
| 1213     | 100      | Unbiased            | 0.265      | 0.265       | 0      |
| 1214     | 100      | Unbiased            | 0.263      | 0.263       | 0      |

TID vs Post - Pre Exposure Delta

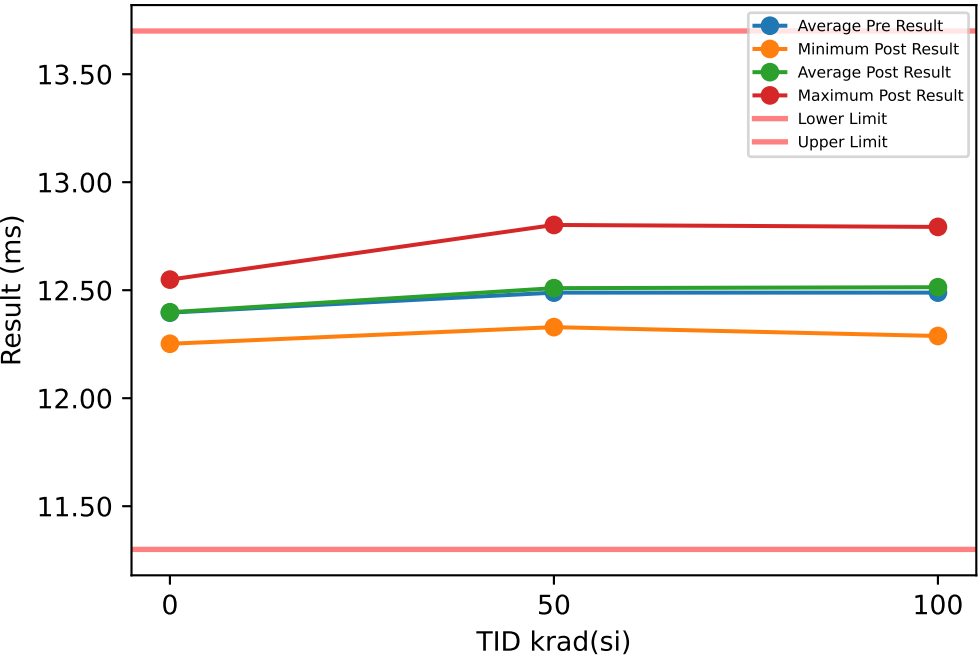


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|------------|
| 0        | 0.254            | 0.25933          | 0.263            | 0.0042269        | 0.255             | 0.26017           | 0.264             | 0.0037103         | -0.001    | 0.00083333 | 0.002     | 0.00098319 |
| 50       | 0.254            | 0.26133          | 0.265            | 0.0034989        | 0.255             | 0.26175           | 0.266             | 0.0034411         | -0.002    | 0.00041667 | 0.002     | 0.0011645  |
| 100      | 0.254            | 0.26133          | 0.265            | 0.0034989        | 0.256             | 0.26283           | 0.267             | 0.0034597         | 0         | 0.0015     | 0.003     | 0.0010871  |

Device Test: 5.44 ; DLY\_TMR\_500KOHM

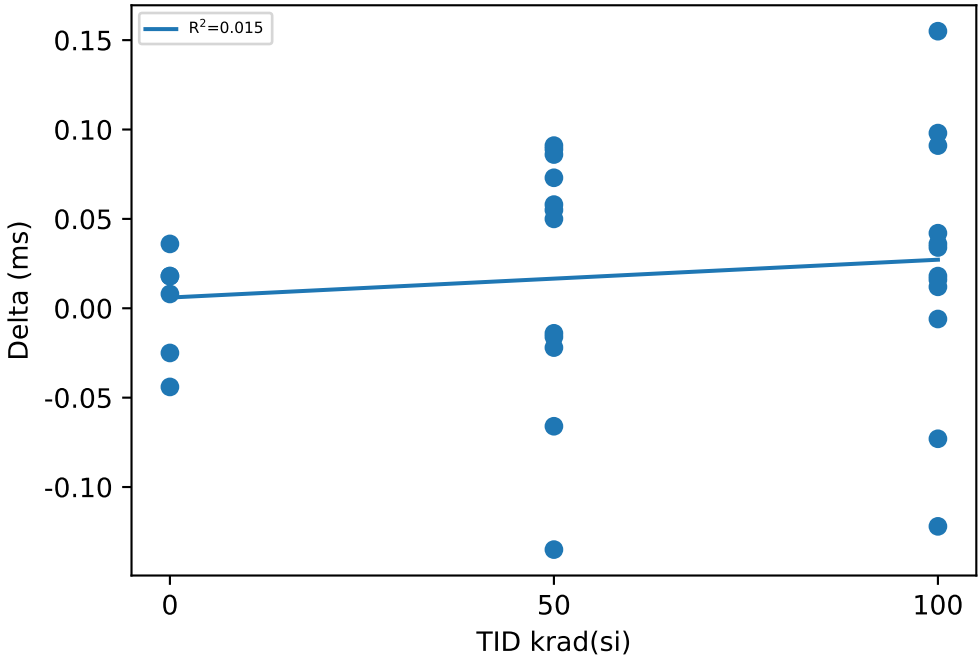
TID vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 12.541     | 12.549      | 0.008  |
| 201      | 0        | Correlation         | 12.413     | 12.369      | -0.044 |
| 202      | 0        | Correlation         | 12.234     | 12.27       | 0.036  |
| 203      | 50       | Biased              | 12.45      | 12.508      | 0.058  |
| 204      | 50       | Biased              | 12.329     | 12.379      | 0.05   |
| 205      | 50       | Biased              | 12.695     | 12.781      | 0.086  |
| 206      | 50       | Biased              | 12.713     | 12.802      | 0.089  |
| 207      | 50       | Biased              | 12.256     | 12.329      | 0.073  |
| 208      | 50       | Biased              | 12.467     | 12.558      | 0.091  |
| 209      | 50       | Unbiased            | 12.361     | 12.345      | -0.016 |
| 210      | 50       | Unbiased            | 12.339     | 12.394      | 0.055  |
| 211      | 50       | Unbiased            | 12.679     | 12.544      | -0.135 |
| 212      | 50       | Unbiased            | 12.415     | 12.393      | -0.022 |
| 213      | 50       | Unbiased            | 12.533     | 12.519      | -0.014 |
| 214      | 50       | Unbiased            | 12.628     | 12.562      | -0.066 |
| 1200     | 0        | Correlation         | 12.541     | 12.516      | -0.025 |
| 1201     | 0        | Correlation         | 12.413     | 12.431      | 0.018  |
| 1202     | 0        | Correlation         | 12.234     | 12.252      | 0.018  |
| 1203     | 100      | Biased              | 12.45      | 12.605      | 0.155  |
| 1204     | 100      | Biased              | 12.329     | 12.323      | -0.006 |
| 1205     | 100      | Biased              | 12.695     | 12.793      | 0.098  |
| 1206     | 100      | Biased              | 12.713     | 12.729      | 0.016  |
| 1207     | 100      | Biased              | 12.256     | 12.292      | 0.036  |
| 1208     | 100      | Biased              | 12.467     | 12.485      | 0.018  |
| 1209     | 100      | Unbiased            | 12.361     | 12.288      | -0.073 |
| 1210     | 100      | Unbiased            | 12.339     | 12.373      | 0.034  |
| 1211     | 100      | Unbiased            | 12.679     | 12.557      | -0.122 |
| 1212     | 100      | Unbiased            | 12.415     | 12.506      | 0.091  |
| 1213     | 100      | Unbiased            | 12.533     | 12.545      | 0.012  |
| 1214     | 100      | Unbiased            | 12.628     | 12.67       | 0.042  |

TID vs Post - Pre Exposure Delta



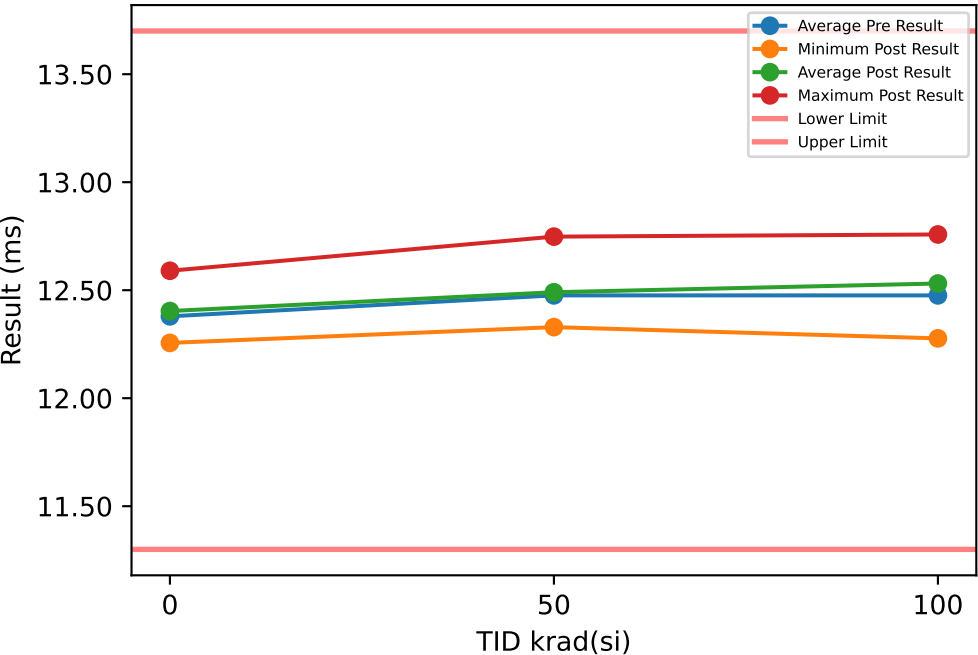
Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.234           | 12.396           | 12.541           | 0.13792          | 12.252            | 12.398            | 12.549            | 0.12358           | -0.044    | 0.0018333 | 0.036     | 0.030162  |
| 50       | 12.256           | 12.489           | 12.713           | 0.15846          | 12.329            | 12.51             | 12.802            | 0.15645           | -0.135    | 0.02075   | 0.091     | 0.071456  |
| 100      | 12.256           | 12.489           | 12.713           | 0.15846          | 12.288            | 12.514            | 12.793            | 0.16979           | -0.122    | 0.025083  | 0.155     | 0.073577  |



Device Test: 5.45 ; DLY\_TMR\_500KOHM

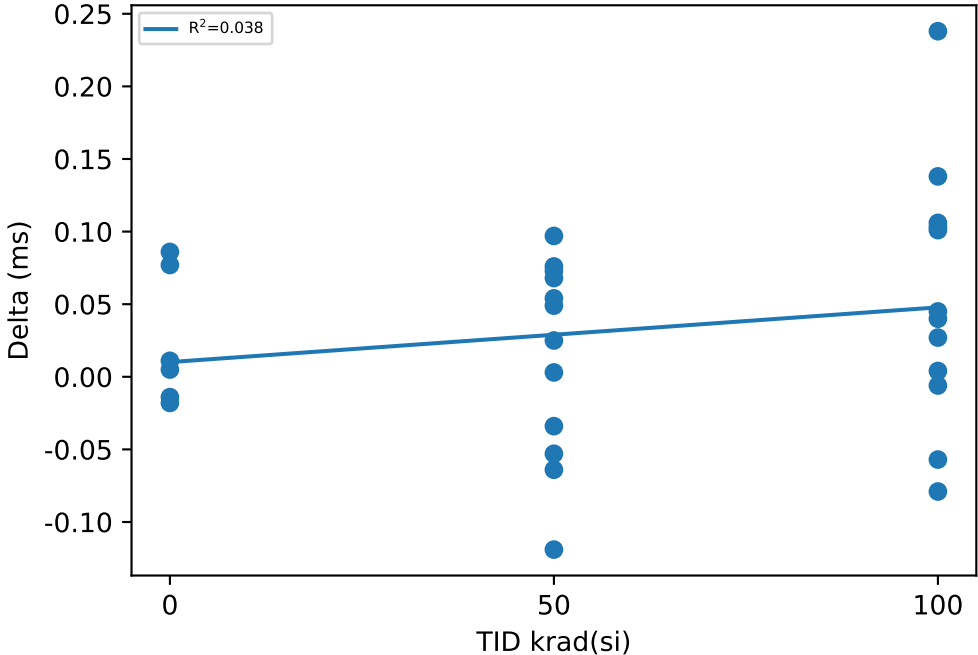
TID vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 12.513     | 12.524      | 0.011  |
| 201      | 0        | Correlation         | 12.35      | 12.355      | 0.005  |
| 202      | 0        | Correlation         | 12.274     | 12.26       | -0.014 |
| 203      | 50       | Biased              | 12.426     | 12.475      | 0.049  |
| 204      | 50       | Biased              | 12.304     | 12.358      | 0.054  |
| 205      | 50       | Biased              | 12.655     | 12.728      | 0.073  |
| 206      | 50       | Biased              | 12.672     | 12.748      | 0.076  |
| 207      | 50       | Biased              | 12.232     | 12.329      | 0.097  |
| 208      | 50       | Biased              | 12.466     | 12.534      | 0.068  |
| 209      | 50       | Unbiased            | 12.344     | 12.347      | 0.003  |
| 210      | 50       | Unbiased            | 12.344     | 12.369      | 0.025  |
| 211      | 50       | Unbiased            | 12.641     | 12.522      | -0.119 |
| 212      | 50       | Unbiased            | 12.505     | 12.441      | -0.064 |
| 213      | 50       | Unbiased            | 12.552     | 12.499      | -0.053 |
| 214      | 50       | Unbiased            | 12.571     | 12.537      | -0.034 |
| 1200     | 0        | Correlation         | 12.513     | 12.59       | 0.077  |
| 1201     | 0        | Correlation         | 12.35      | 12.436      | 0.086  |
| 1202     | 0        | Correlation         | 12.274     | 12.256      | -0.018 |
| 1203     | 100      | Biased              | 12.426     | 12.664      | 0.238  |
| 1204     | 100      | Biased              | 12.304     | 12.344      | 0.04   |
| 1205     | 100      | Biased              | 12.655     | 12.758      | 0.103  |
| 1206     | 100      | Biased              | 12.672     | 12.699      | 0.027  |
| 1207     | 100      | Biased              | 12.232     | 12.277      | 0.045  |
| 1208     | 100      | Biased              | 12.466     | 12.572      | 0.106  |
| 1209     | 100      | Unbiased            | 12.344     | 12.287      | -0.057 |
| 1210     | 100      | Unbiased            | 12.344     | 12.445      | 0.101  |
| 1211     | 100      | Unbiased            | 12.641     | 12.635      | -0.006 |
| 1212     | 100      | Unbiased            | 12.505     | 12.509      | 0.004  |
| 1213     | 100      | Unbiased            | 12.552     | 12.473      | -0.079 |
| 1214     | 100      | Unbiased            | 12.571     | 12.709      | 0.138  |

TID vs Post - Pre Exposure Delta

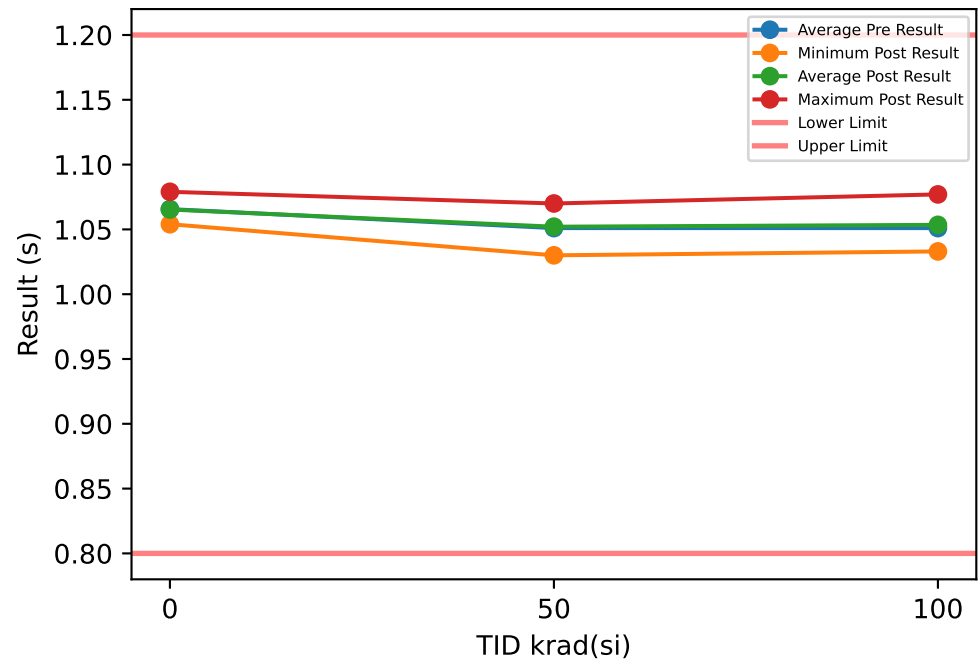


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.274           | 12.379           | 12.513           | 0.10922          | 12.256            | 12.403            | 12.59             | 0.13788           | -0.018    | 0.0245    | 0.086     | 0.045584  |
| 50       | 12.232           | 12.476           | 12.672           | 0.14768          | 12.329            | 12.491            | 12.748            | 0.13801           | -0.119    | 0.014583  | 0.097     | 0.06793   |
| 100      | 12.232           | 12.476           | 12.672           | 0.14768          | 12.277            | 12.531            | 12.758            | 0.16838           | -0.079    | 0.055     | 0.238     | 0.088075  |

Device Test: 5.46 ; WD\_TMR\_500KOHM

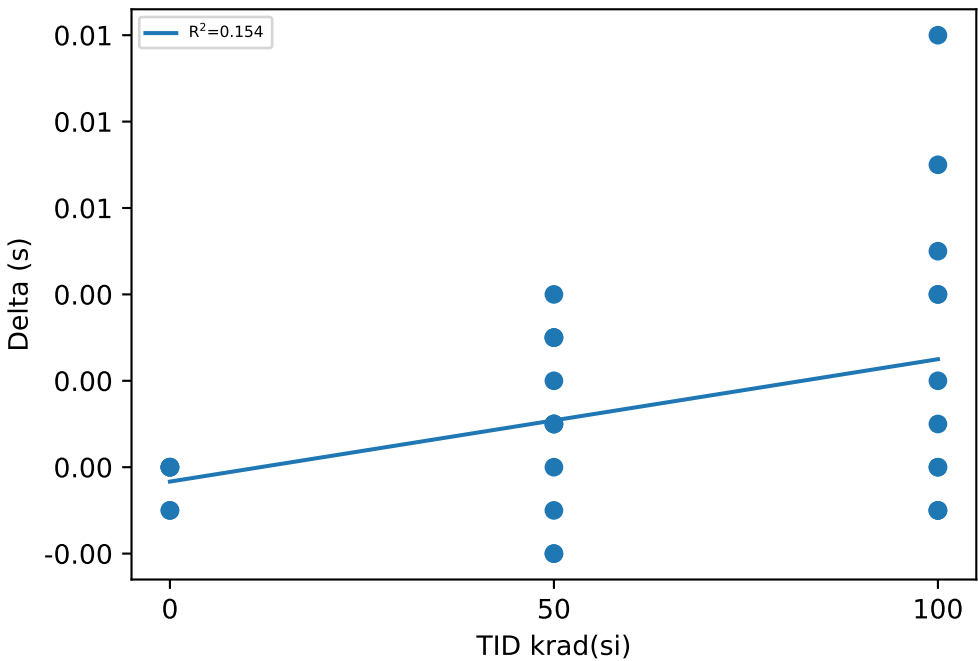
TID vs Result Stats



Test Results (Lower Limit = 0.8, Upper Limit = 1.2 (s))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 1.08       | 1.079       | -0.001 |
| 201      | 0        | Correlation         | 1.054      | 1.054       | 0      |
| 202      | 0        | Correlation         | 1.063      | 1.063       | 0      |
| 203      | 50       | Biased              | 1.037      | 1.038       | 0.001  |
| 204      | 50       | Biased              | 1.043      | 1.047       | 0.004  |
| 205      | 50       | Biased              | 1.049      | 1.051       | 0.002  |
| 206      | 50       | Biased              | 1.067      | 1.07        | 0.003  |
| 207      | 50       | Biased              | 1.053      | 1.054       | 0.001  |
| 208      | 50       | Biased              | 1.055      | 1.053       | -0.002 |
| 209      | 50       | Unbiased            | 1.046      | 1.049       | 0.003  |
| 210      | 50       | Unbiased            | 1.031      | 1.03        | -0.001 |
| 211      | 50       | Unbiased            | 1.057      | 1.058       | 0.001  |
| 212      | 50       | Unbiased            | 1.068      | 1.068       | 0      |
| 213      | 50       | Unbiased            | 1.052      | 1.05        | -0.002 |
| 214      | 50       | Unbiased            | 1.054      | 1.057       | 0.003  |
| 1200     | 0        | Correlation         | 1.08       | 1.079       | -0.001 |
| 1201     | 0        | Correlation         | 1.054      | 1.054       | 0      |
| 1202     | 0        | Correlation         | 1.063      | 1.063       | 0      |
| 1203     | 100      | Biased              | 1.037      | 1.037       | 0      |
| 1204     | 100      | Biased              | 1.043      | 1.047       | 0.004  |
| 1205     | 100      | Biased              | 1.049      | 1.053       | 0.004  |
| 1206     | 100      | Biased              | 1.067      | 1.077       | 0.01   |
| 1207     | 100      | Biased              | 1.053      | 1.06        | 0.007  |
| 1208     | 100      | Biased              | 1.055      | 1.054       | -0.001 |
| 1209     | 100      | Unbiased            | 1.046      | 1.051       | 0.005  |
| 1210     | 100      | Unbiased            | 1.031      | 1.033       | 0.002  |
| 1211     | 100      | Unbiased            | 1.057      | 1.056       | -0.001 |
| 1212     | 100      | Unbiased            | 1.068      | 1.068       | 0      |
| 1213     | 100      | Unbiased            | 1.052      | 1.051       | -0.001 |
| 1214     | 100      | Unbiased            | 1.054      | 1.055       | 0.001  |

TID vs Post - Pre Exposure Delta

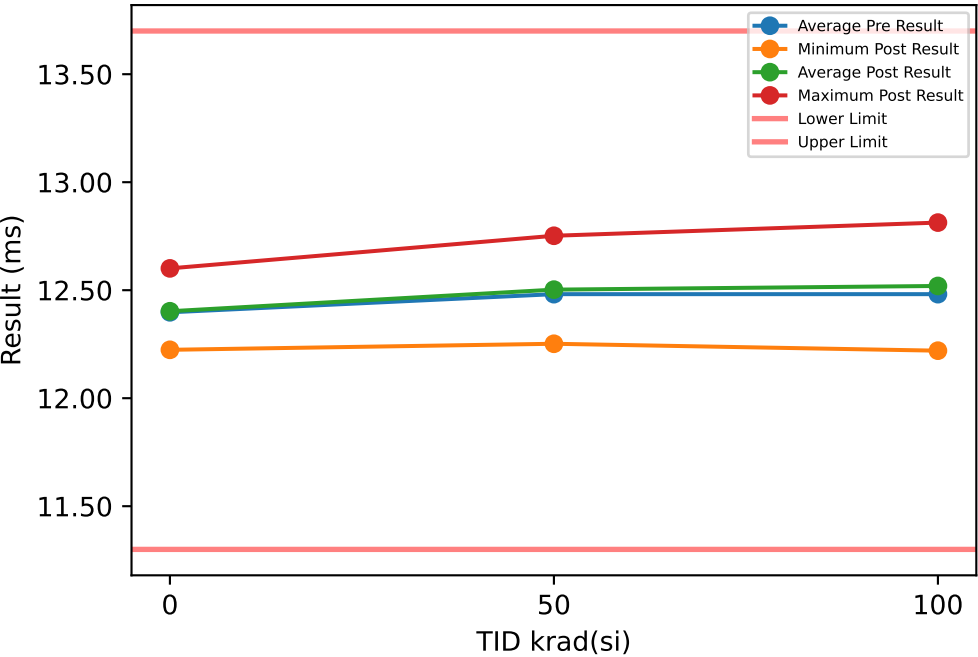


Test Statistics (s)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|-----------|
| 0        | 1.054            | 1.0657           | 1.08             | 0.01181          | 1.054             | 1.0653            | 1.079             | 0.011325          | -0.001    | -0.00033333 | 0         | 0.0005164 |
| 50       | 1.031            | 1.051            | 1.068            | 0.010871         | 1.03              | 1.0521            | 1.07              | 0.011139          | -0.002    | 0.0010833   | 0.004     | 0.0020207 |
| 100      | 1.031            | 1.051            | 1.068            | 0.010871         | 1.033             | 1.0535            | 1.077             | 0.011913          | -0.001    | 0.0025      | 0.01      | 0.0035548 |

Device Test: 5.47 ; DLY\_TMR\_500KOHM

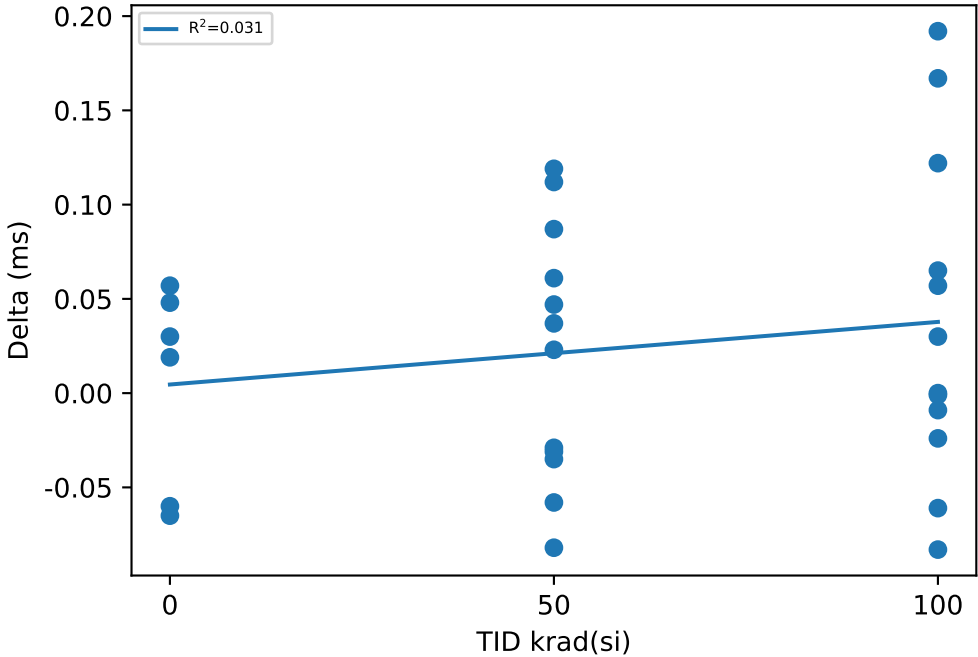
TID vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 12.553     | 12.572      | 0.019  |
| 201      | 0        | Correlation         | 12.446     | 12.381      | -0.065 |
| 202      | 0        | Correlation         | 12.194     | 12.224      | 0.03   |
| 203      | 50       | Biased              | 12.453     | 12.49       | 0.037  |
| 204      | 50       | Biased              | 12.274     | 12.386      | 0.112  |
| 205      | 50       | Biased              | 12.646     | 12.693      | 0.047  |
| 206      | 50       | Biased              | 12.729     | 12.752      | 0.023  |
| 207      | 50       | Biased              | 12.192     | 12.311      | 0.119  |
| 208      | 50       | Biased              | 12.49      | 12.577      | 0.087  |
| 209      | 50       | Unbiased            | 12.281     | 12.252      | -0.029 |
| 210      | 50       | Unbiased            | 12.388     | 12.449      | 0.061  |
| 211      | 50       | Unbiased            | 12.622     | 12.54       | -0.082 |
| 212      | 50       | Unbiased            | 12.477     | 12.446      | -0.031 |
| 213      | 50       | Unbiased            | 12.576     | 12.541      | -0.035 |
| 214      | 50       | Unbiased            | 12.652     | 12.594      | -0.058 |
| 1200     | 0        | Correlation         | 12.553     | 12.601      | 0.048  |
| 1201     | 0        | Correlation         | 12.446     | 12.386      | -0.06  |
| 1202     | 0        | Correlation         | 12.194     | 12.251      | 0.057  |
| 1203     | 100      | Biased              | 12.453     | 12.645      | 0.192  |
| 1204     | 100      | Biased              | 12.274     | 12.304      | 0.03   |
| 1205     | 100      | Biased              | 12.646     | 12.813      | 0.167  |
| 1206     | 100      | Biased              | 12.729     | 12.729      | 0      |
| 1207     | 100      | Biased              | 12.192     | 12.257      | 0.065  |
| 1208     | 100      | Biased              | 12.49      | 12.481      | -0.009 |
| 1209     | 100      | Unbiased            | 12.281     | 12.22       | -0.061 |
| 1210     | 100      | Unbiased            | 12.388     | 12.387      | -0.001 |
| 1211     | 100      | Unbiased            | 12.622     | 12.598      | -0.024 |
| 1212     | 100      | Unbiased            | 12.477     | 12.599      | 0.122  |
| 1213     | 100      | Unbiased            | 12.576     | 12.493      | -0.083 |
| 1214     | 100      | Unbiased            | 12.652     | 12.709      | 0.057  |

TID vs Post - Pre Exposure Delta

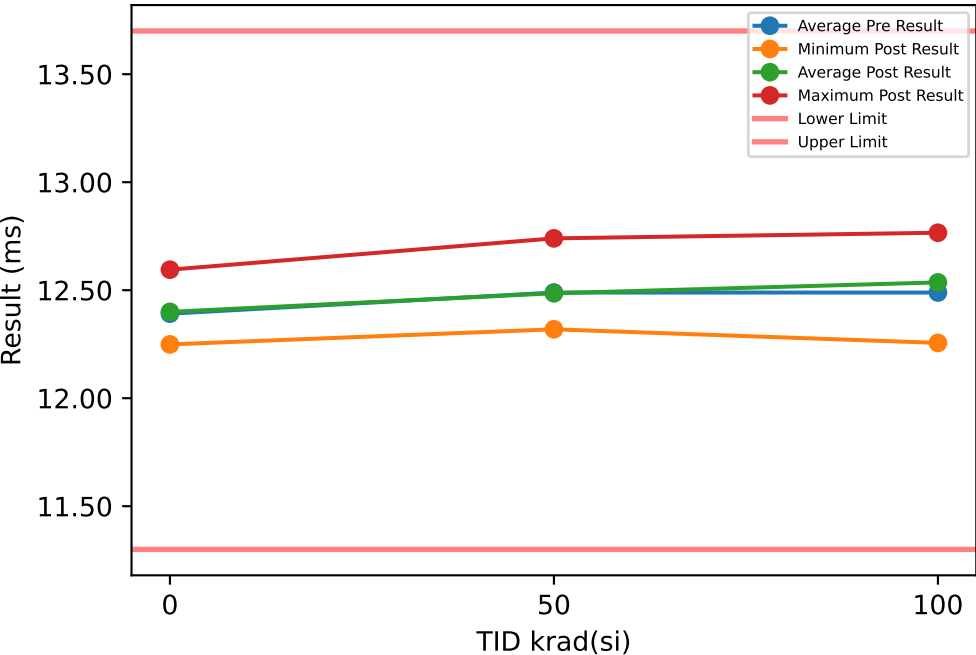


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.194           | 12.398           | 12.553           | 0.16486          | 12.224            | 12.402            | 12.601            | 0.15728           | -0.065    | 0.0048333 | 0.057     | 0.053849  |
| 50       | 12.192           | 12.482           | 12.729           | 0.1713           | 12.252            | 12.503            | 12.752            | 0.14603           | -0.082    | 0.020917  | 0.119     | 0.067398  |
| 100      | 12.192           | 12.482           | 12.729           | 0.1713           | 12.22             | 12.52             | 12.813            | 0.19516           | -0.083    | 0.037917  | 0.192     | 0.086354  |

Device Test: 5.48 ; DLY\_TMR\_500KOHM

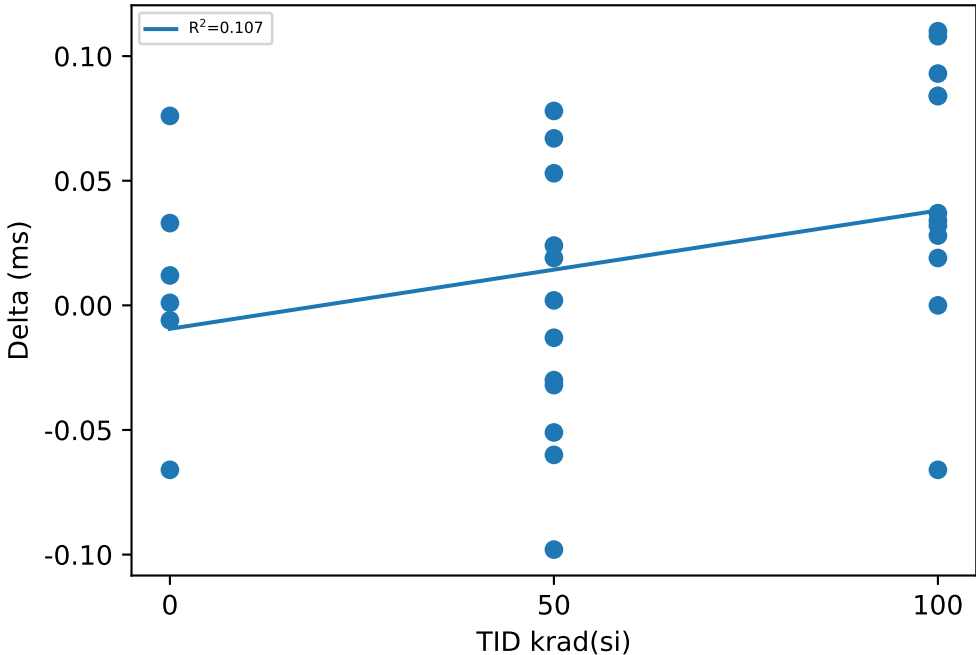
TID vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 12.519     | 12.52       | 0.001  |
| 201      | 0        | Correlation         | 12.418     | 12.352      | -0.066 |
| 202      | 0        | Correlation         | 12.237     | 12.27       | 0.033  |
| 203      | 50       | Biased              | 12.501     | 12.469      | -0.032 |
| 204      | 50       | Biased              | 12.299     | 12.352      | 0.053  |
| 205      | 50       | Biased              | 12.642     | 12.72       | 0.078  |
| 206      | 50       | Biased              | 12.738     | 12.74       | 0.002  |
| 207      | 50       | Biased              | 12.252     | 12.319      | 0.067  |
| 208      | 50       | Biased              | 12.542     | 12.529      | -0.013 |
| 209      | 50       | Unbiased            | 12.322     | 12.341      | 0.019  |
| 210      | 50       | Unbiased            | 12.339     | 12.363      | 0.024  |
| 211      | 50       | Unbiased            | 12.612     | 12.514      | -0.098 |
| 212      | 50       | Unbiased            | 12.489     | 12.459      | -0.03  |
| 213      | 50       | Unbiased            | 12.545     | 12.494      | -0.051 |
| 214      | 50       | Unbiased            | 12.589     | 12.529      | -0.06  |
| 1200     | 0        | Correlation         | 12.519     | 12.595      | 0.076  |
| 1201     | 0        | Correlation         | 12.418     | 12.412      | -0.006 |
| 1202     | 0        | Correlation         | 12.237     | 12.249      | 0.012  |
| 1203     | 100      | Biased              | 12.501     | 12.585      | 0.084  |
| 1204     | 100      | Biased              | 12.299     | 12.336      | 0.037  |
| 1205     | 100      | Biased              | 12.642     | 12.75       | 0.108  |
| 1206     | 100      | Biased              | 12.738     | 12.766      | 0.028  |
| 1207     | 100      | Biased              | 12.252     | 12.284      | 0.032  |
| 1208     | 100      | Biased              | 12.542     | 12.576      | 0.034  |
| 1209     | 100      | Unbiased            | 12.322     | 12.256      | -0.066 |
| 1210     | 100      | Unbiased            | 12.339     | 12.449      | 0.11   |
| 1211     | 100      | Unbiased            | 12.612     | 12.631      | 0.019  |
| 1212     | 100      | Unbiased            | 12.489     | 12.582      | 0.093  |
| 1213     | 100      | Unbiased            | 12.545     | 12.545      | 0      |
| 1214     | 100      | Unbiased            | 12.589     | 12.673      | 0.084  |

TID vs Post - Pre Exposure Delta

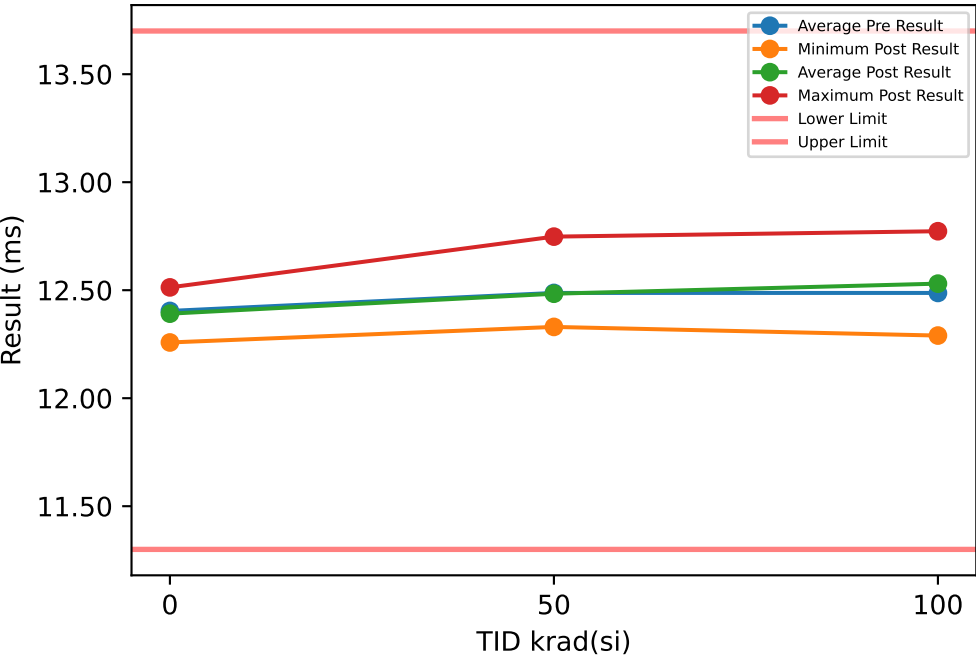


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 12.237           | 12.391           | 12.519           | 0.12779          | 12.249            | 12.4              | 12.595            | 0.13753           | -0.066    | 0.0083333  | 0.076     | 0.046873  |
| 50       | 12.252           | 12.489           | 12.738           | 0.15353          | 12.319            | 12.486            | 12.74             | 0.13712           | -0.098    | -0.0034167 | 0.078     | 0.054004  |
| 100      | 12.252           | 12.489           | 12.738           | 0.15353          | 12.256            | 12.536            | 12.766            | 0.17114           | -0.066    | 0.046917   | 0.11      | 0.051488  |

Device Test: 5.49 ; DLY\_TMR\_500KOHM

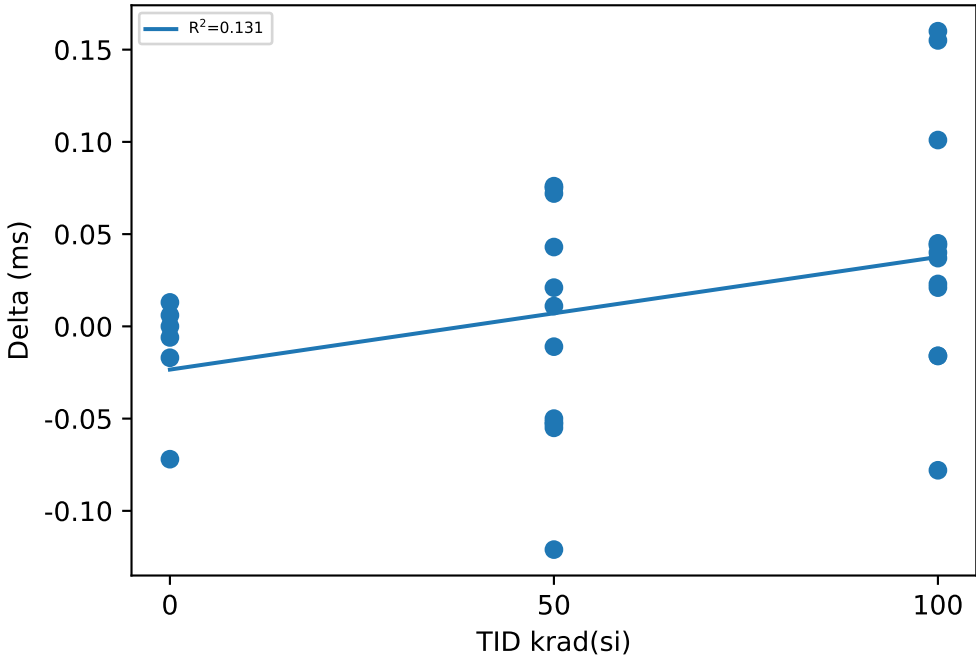
TID vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 12.507     | 12.501      | -0.006 |
| 201      | 0        | Correlation         | 12.43      | 12.358      | -0.072 |
| 202      | 0        | Correlation         | 12.275     | 12.275      | 0      |
| 203      | 50       | Biased              | 12.432     | 12.475      | 0.043  |
| 204      | 50       | Biased              | 12.338     | 12.359      | 0.021  |
| 205      | 50       | Biased              | 12.717     | 12.728      | 0.011  |
| 206      | 50       | Biased              | 12.672     | 12.748      | 0.076  |
| 207      | 50       | Biased              | 12.258     | 12.33       | 0.072  |
| 208      | 50       | Biased              | 12.533     | 12.522      | -0.011 |
| 209      | 50       | Unbiased            | 12.269     | 12.344      | 0.075  |
| 210      | 50       | Unbiased            | 12.419     | 12.367      | -0.052 |
| 211      | 50       | Unbiased            | 12.642     | 12.521      | -0.121 |
| 212      | 50       | Unbiased            | 12.424     | 12.374      | -0.05  |
| 213      | 50       | Unbiased            | 12.554     | 12.501      | -0.053 |
| 214      | 50       | Unbiased            | 12.59      | 12.535      | -0.055 |
| 1200     | 0        | Correlation         | 12.507     | 12.513      | 0.006  |
| 1201     | 0        | Correlation         | 12.43      | 12.443      | 0.013  |
| 1202     | 0        | Correlation         | 12.275     | 12.258      | -0.017 |
| 1203     | 100      | Biased              | 12.432     | 12.587      | 0.155  |
| 1204     | 100      | Biased              | 12.338     | 12.322      | -0.016 |
| 1205     | 100      | Biased              | 12.717     | 12.757      | 0.04   |
| 1206     | 100      | Biased              | 12.672     | 12.773      | 0.101  |
| 1207     | 100      | Biased              | 12.258     | 12.303      | 0.045  |
| 1208     | 100      | Biased              | 12.533     | 12.57       | 0.037  |
| 1209     | 100      | Unbiased            | 12.269     | 12.29       | 0.021  |
| 1210     | 100      | Unbiased            | 12.419     | 12.442      | 0.023  |
| 1211     | 100      | Unbiased            | 12.642     | 12.626      | -0.016 |
| 1212     | 100      | Unbiased            | 12.424     | 12.584      | 0.16   |
| 1213     | 100      | Unbiased            | 12.554     | 12.476      | -0.078 |
| 1214     | 100      | Unbiased            | 12.59      | 12.634      | 0.044  |

TID vs Post - Pre Exposure Delta



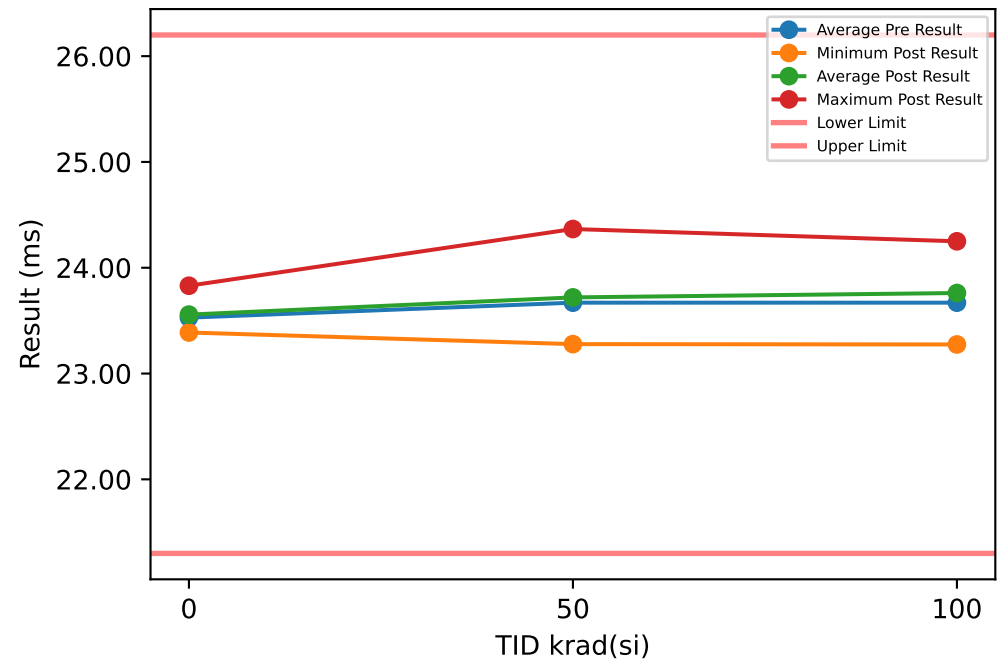
Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 12.275           | 12.404           | 12.507           | 0.10569          | 12.258            | 12.391            | 12.513            | 0.11128           | -0.072    | -0.012667  | 0.013     | 0.030826  |
| 50       | 12.258           | 12.487           | 12.717           | 0.15437          | 12.33             | 12.484            | 12.748            | 0.14134           | -0.121    | -0.0036667 | 0.076     | 0.0637    |
| 100      | 12.258           | 12.487           | 12.717           | 0.15437          | 12.29             | 12.53             | 12.773            | 0.16554           | -0.078    | 0.043      | 0.16      | 0.068844  |



Device Test: 5.50 ; DLY\_TMR\_1MOHM

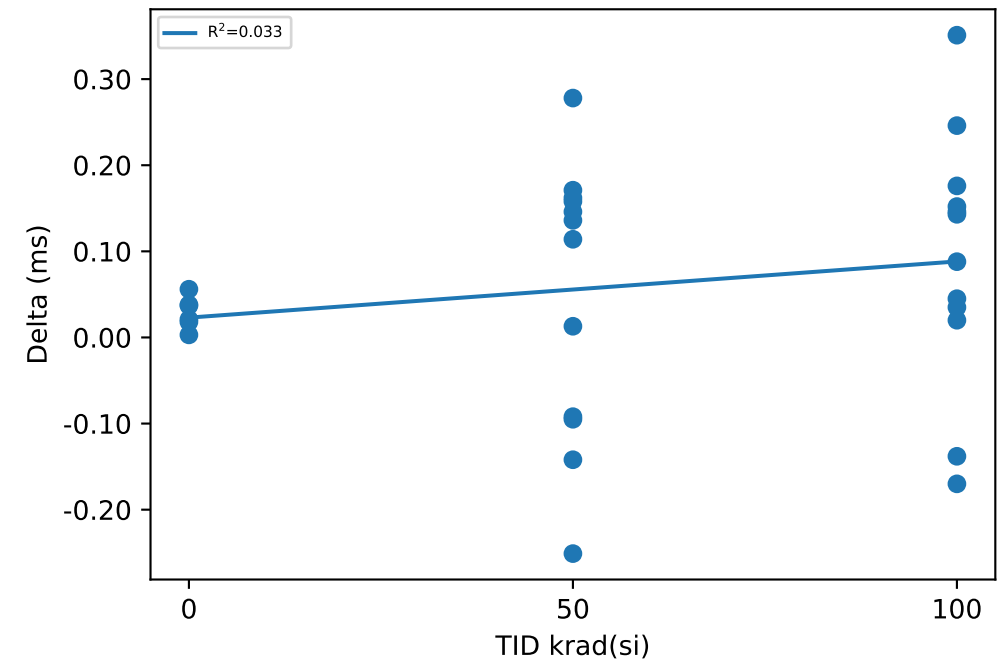
TID vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 23.792     | 23.83       | 0.038  |
| 201      | 0        | Correlation         | 23.442     | 23.463      | 0.021  |
| 202      | 0        | Correlation         | 23.351     | 23.407      | 0.056  |
| 203      | 50       | Biased              | 23.607     | 23.743      | 0.136  |
| 204      | 50       | Biased              | 23.18      | 23.458      | 0.278  |
| 205      | 50       | Biased              | 24.004     | 24.166      | 0.162  |
| 206      | 50       | Biased              | 24.195     | 24.366      | 0.171  |
| 207      | 50       | Biased              | 23.132     | 23.278      | 0.146  |
| 208      | 50       | Biased              | 23.912     | 24.07       | 0.158  |
| 209      | 50       | Unbiased            | 23.339     | 23.453      | 0.114  |
| 210      | 50       | Unbiased            | 23.361     | 23.374      | 0.013  |
| 211      | 50       | Unbiased            | 23.987     | 23.736      | -0.251 |
| 212      | 50       | Unbiased            | 23.533     | 23.391      | -0.142 |
| 213      | 50       | Unbiased            | 23.827     | 23.732      | -0.095 |
| 214      | 50       | Unbiased            | 23.962     | 23.87       | -0.092 |
| 1200     | 0        | Correlation         | 23.792     | 23.81       | 0.018  |
| 1201     | 0        | Correlation         | 23.442     | 23.445      | 0.003  |
| 1202     | 0        | Correlation         | 23.351     | 23.388      | 0.037  |
| 1203     | 100      | Biased              | 23.607     | 23.958      | 0.351  |
| 1204     | 100      | Biased              | 23.18      | 23.332      | 0.152  |
| 1205     | 100      | Biased              | 24.004     | 24.25       | 0.246  |
| 1206     | 100      | Biased              | 24.195     | 24.24       | 0.045  |
| 1207     | 100      | Biased              | 23.132     | 23.275      | 0.143  |
| 1208     | 100      | Biased              | 23.912     | 23.947      | 0.035  |
| 1209     | 100      | Unbiased            | 23.339     | 23.359      | 0.02   |
| 1210     | 100      | Unbiased            | 23.361     | 23.507      | 0.146  |
| 1211     | 100      | Unbiased            | 23.987     | 23.849      | -0.138 |
| 1212     | 100      | Unbiased            | 23.533     | 23.709      | 0.176  |
| 1213     | 100      | Unbiased            | 23.827     | 23.657      | -0.17  |
| 1214     | 100      | Unbiased            | 23.962     | 24.05       | 0.088  |

TID vs Post - Pre Exposure Delta

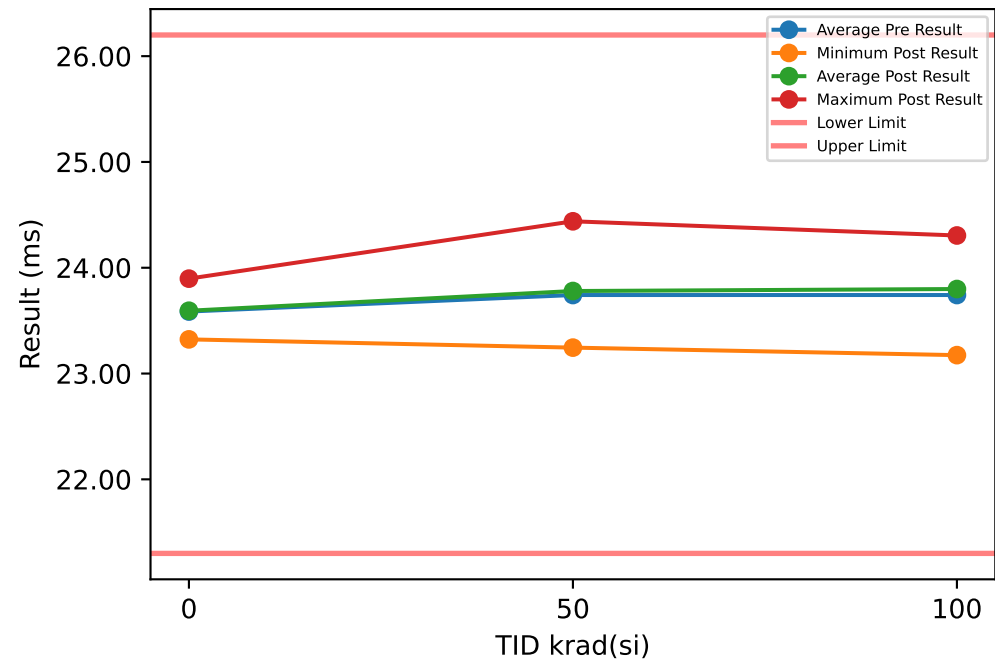


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 23.351           | 23.528           | 23.792           | 0.20825          | 23.388            | 23.557            | 23.83             | 0.20542           | 0.003     | 0.028833  | 0.056     | 0.018627  |
| 50       | 23.132           | 23.67            | 24.195           | 0.35847          | 23.278            | 23.72             | 24.366            | 0.34712           | -0.251    | 0.049833  | 0.278     | 0.15999   |
| 100      | 23.132           | 23.67            | 24.195           | 0.35847          | 23.275            | 23.761            | 24.25             | 0.34286           | -0.17     | 0.091167  | 0.351     | 0.14745   |

Device Test: 5.51 ; DLY\_TMR\_1MOHM

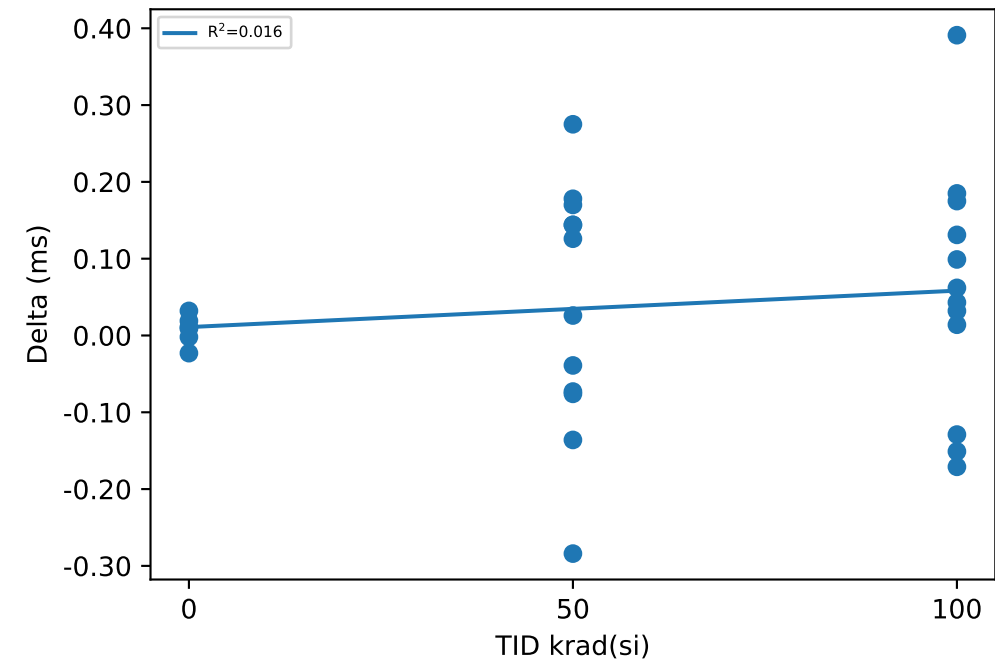
TID vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 23.878     | 23.897      | 0.019  |
| 201      | 0        | Correlation         | 23.534     | 23.566      | 0.032  |
| 202      | 0        | Correlation         | 23.346     | 23.344      | -0.002 |
| 203      | 50       | Biased              | 23.686     | 23.812      | 0.126  |
| 204      | 50       | Biased              | 23.248     | 23.523      | 0.275  |
| 205      | 50       | Biased              | 24.12      | 24.264      | 0.144  |
| 206      | 50       | Biased              | 24.261     | 24.439      | 0.178  |
| 207      | 50       | Biased              | 23.075     | 23.245      | 0.17   |
| 208      | 50       | Biased              | 24.007     | 24.151      | 0.144  |
| 209      | 50       | Unbiased            | 23.45      | 23.411      | -0.039 |
| 210      | 50       | Unbiased            | 23.451     | 23.477      | 0.026  |
| 211      | 50       | Unbiased            | 24.092     | 23.808      | -0.284 |
| 212      | 50       | Unbiased            | 23.633     | 23.497      | -0.136 |
| 213      | 50       | Unbiased            | 23.873     | 23.8        | -0.073 |
| 214      | 50       | Unbiased            | 24.01      | 23.934      | -0.076 |
| 1200     | 0        | Correlation         | 23.878     | 23.887      | 0.009  |
| 1201     | 0        | Correlation         | 23.534     | 23.545      | 0.011  |
| 1202     | 0        | Correlation         | 23.346     | 23.323      | -0.023 |
| 1203     | 100      | Biased              | 23.686     | 24.077      | 0.391  |
| 1204     | 100      | Biased              | 23.248     | 23.31       | 0.062  |
| 1205     | 100      | Biased              | 24.12      | 24.305      | 0.185  |
| 1206     | 100      | Biased              | 24.261     | 24.293      | 0.032  |
| 1207     | 100      | Biased              | 23.075     | 23.174      | 0.099  |
| 1208     | 100      | Biased              | 24.007     | 24.05       | 0.043  |
| 1209     | 100      | Unbiased            | 23.45      | 23.299      | -0.151 |
| 1210     | 100      | Unbiased            | 23.451     | 23.465      | 0.014  |
| 1211     | 100      | Unbiased            | 24.092     | 23.921      | -0.171 |
| 1212     | 100      | Unbiased            | 23.633     | 23.808      | 0.175  |
| 1213     | 100      | Unbiased            | 23.873     | 23.744      | -0.129 |
| 1214     | 100      | Unbiased            | 24.01      | 24.141      | 0.131  |

TID vs Post - Pre Exposure Delta

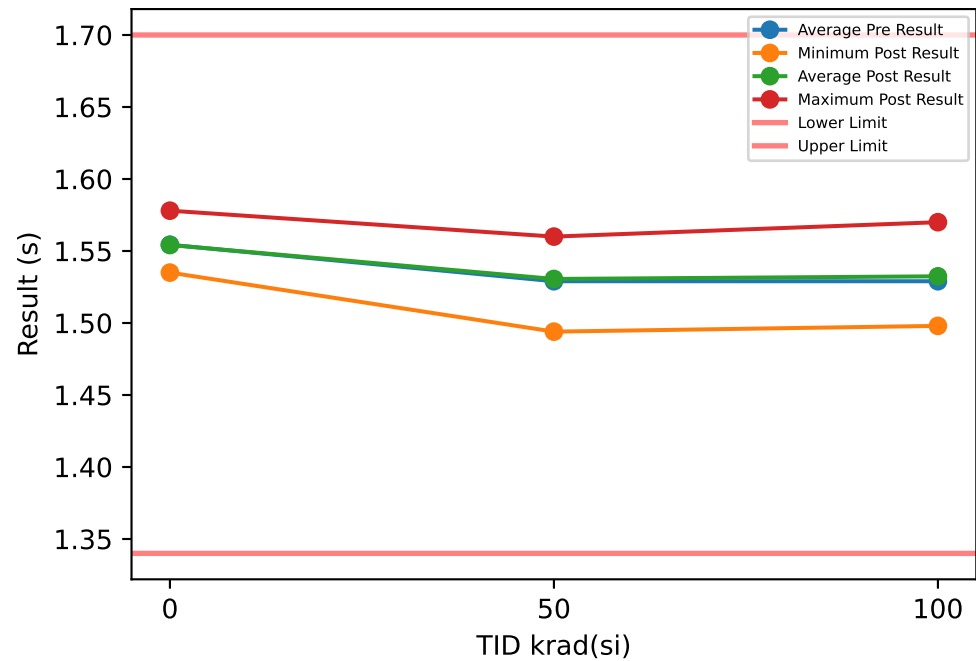


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 23.346           | 23.586           | 23.878           | 0.2413           | 23.323            | 23.594            | 23.897            | 0.25171           | -0.023    | 0.0076667 | 0.032     | 0.018801  |
| 50       | 23.075           | 23.742           | 24.261           | 0.37753          | 23.245            | 23.78             | 24.439            | 0.36834           | -0.284    | 0.037917  | 0.275     | 0.16202   |
| 100      | 23.075           | 23.742           | 24.261           | 0.37753          | 23.174            | 23.799            | 24.305            | 0.40075           | -0.171    | 0.05675   | 0.391     | 0.16001   |

Device Test: 5.52 ; WD\_TMR\_1MOHM

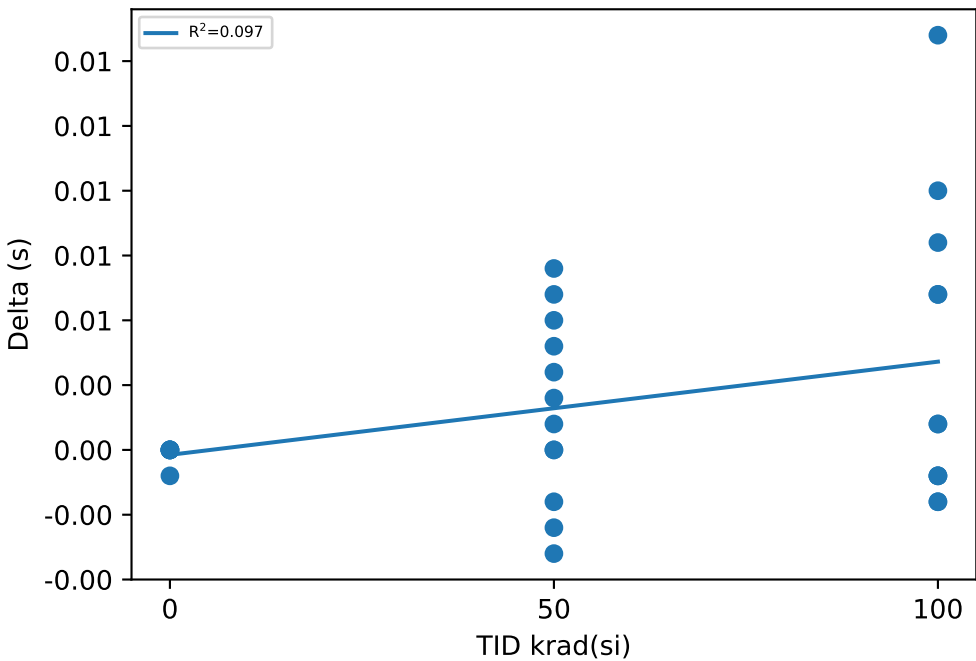
TID vs Result Stats



Test Results (Lower Limit = 1.34, Upper Limit = 1.7 (s))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 1.578      | 1.578       | 0      |
| 201      | 0        | Correlation         | 1.535      | 1.535       | 0      |
| 202      | 0        | Correlation         | 1.55       | 1.549       | -0.001 |
| 203      | 50       | Biased              | 1.505      | 1.505       | 0      |
| 204      | 50       | Biased              | 1.517      | 1.524       | 0.007  |
| 205      | 50       | Biased              | 1.528      | 1.529       | 0.001  |
| 206      | 50       | Biased              | 1.554      | 1.56        | 0.006  |
| 207      | 50       | Biased              | 1.531      | 1.533       | 0.002  |
| 208      | 50       | Biased              | 1.534      | 1.532       | -0.002 |
| 209      | 50       | Unbiased            | 1.522      | 1.527       | 0.005  |
| 210      | 50       | Unbiased            | 1.497      | 1.494       | -0.003 |
| 211      | 50       | Unbiased            | 1.537      | 1.54        | 0.003  |
| 212      | 50       | Unbiased            | 1.559      | 1.559       | 0      |
| 213      | 50       | Unbiased            | 1.531      | 1.527       | -0.004 |
| 214      | 50       | Unbiased            | 1.533      | 1.537       | 0.004  |
| 1200     | 0        | Correlation         | 1.578      | 1.578       | 0      |
| 1201     | 0        | Correlation         | 1.535      | 1.535       | 0      |
| 1202     | 0        | Correlation         | 1.55       | 1.55        | 0      |
| 1203     | 100      | Biased              | 1.505      | 1.504       | -0.001 |
| 1204     | 100      | Biased              | 1.517      | 1.523       | 0.006  |
| 1205     | 100      | Biased              | 1.528      | 1.534       | 0.006  |
| 1206     | 100      | Biased              | 1.554      | 1.57        | 0.016  |
| 1207     | 100      | Biased              | 1.531      | 1.541       | 0.01   |
| 1208     | 100      | Biased              | 1.534      | 1.533       | -0.001 |
| 1209     | 100      | Unbiased            | 1.522      | 1.53        | 0.008  |
| 1210     | 100      | Unbiased            | 1.497      | 1.498       | 0.001  |
| 1211     | 100      | Unbiased            | 1.537      | 1.536       | -0.001 |
| 1212     | 100      | Unbiased            | 1.559      | 1.557       | -0.002 |
| 1213     | 100      | Unbiased            | 1.531      | 1.529       | -0.002 |
| 1214     | 100      | Unbiased            | 1.533      | 1.534       | 0.001  |

TID vs Post - Pre Exposure Delta

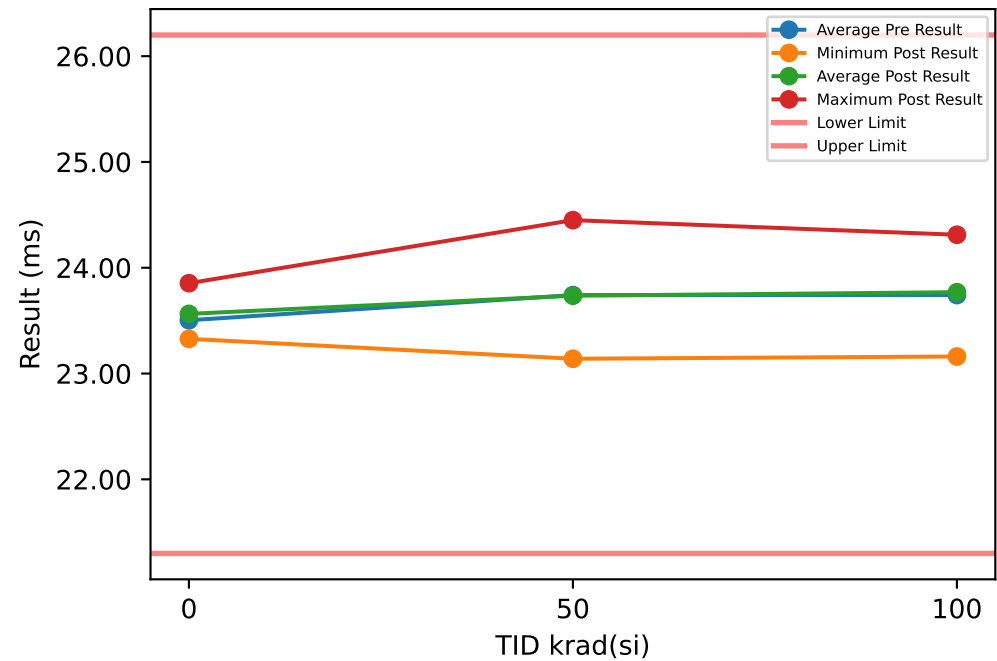


Test Statistics (s)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|------------|
| 0        | 1.535            | 1.5543           | 1.578            | 0.019521         | 1.535             | 1.5542            | 1.578             | 0.01957           | -0.001    | -0.00016667 | 0         | 0.00040825 |
| 50       | 1.497            | 1.529            | 1.559            | 0.017664         | 1.494             | 1.5306            | 1.56              | 0.018769          | -0.004    | 0.0015833   | 0.007     | 0.0035537  |
| 100      | 1.497            | 1.529            | 1.559            | 0.017664         | 1.498             | 1.5324            | 1.57              | 0.019556          | -0.002    | 0.0034167   | 0.016     | 0.0057597  |

Device Test: 5.53 ; DLY\_TMR\_1MOHM

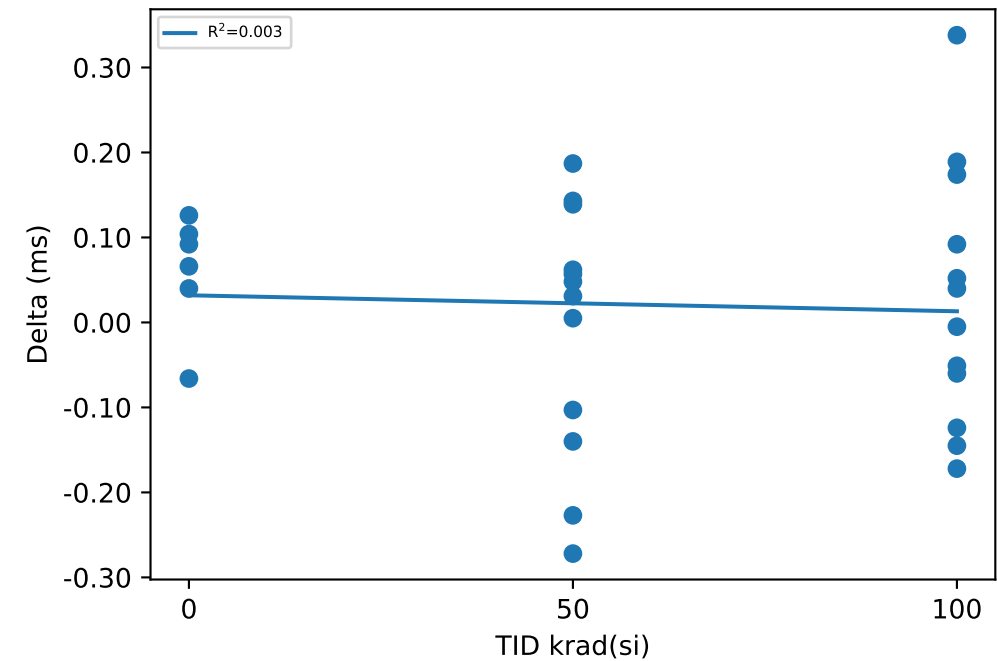
TID vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 23.814     | 23.748      | -0.066 |
| 201      | 0        | Correlation         | 23.461     | 23.527      | 0.066  |
| 202      | 0        | Correlation         | 23.236     | 23.328      | 0.092  |
| 203      | 50       | Biased              | 23.741     | 23.789      | 0.048  |
| 204      | 50       | Biased              | 23.344     | 23.483      | 0.139  |
| 205      | 50       | Biased              | 24.138     | 24.143      | 0.005  |
| 206      | 50       | Biased              | 24.263     | 24.45       | 0.187  |
| 207      | 50       | Biased              | 23.109     | 23.14       | 0.031  |
| 208      | 50       | Biased              | 23.931     | 24.074      | 0.143  |
| 209      | 50       | Unbiased            | 23.381     | 23.443      | 0.062  |
| 210      | 50       | Unbiased            | 23.435     | 23.492      | 0.057  |
| 211      | 50       | Unbiased            | 23.961     | 23.689      | -0.272 |
| 212      | 50       | Unbiased            | 23.66      | 23.433      | -0.227 |
| 213      | 50       | Unbiased            | 23.832     | 23.729      | -0.103 |
| 214      | 50       | Unbiased            | 24.103     | 23.963      | -0.14  |
| 1200     | 0        | Correlation         | 23.814     | 23.854      | 0.04   |
| 1201     | 0        | Correlation         | 23.461     | 23.565      | 0.104  |
| 1202     | 0        | Correlation         | 23.236     | 23.362      | 0.126  |
| 1203     | 100      | Biased              | 23.741     | 24.079      | 0.338  |
| 1204     | 100      | Biased              | 23.344     | 23.293      | -0.051 |
| 1205     | 100      | Biased              | 24.138     | 24.312      | 0.174  |
| 1206     | 100      | Biased              | 24.263     | 24.203      | -0.06  |
| 1207     | 100      | Biased              | 23.109     | 23.161      | 0.052  |
| 1208     | 100      | Biased              | 23.931     | 24.023      | 0.092  |
| 1209     | 100      | Unbiased            | 23.381     | 23.209      | -0.172 |
| 1210     | 100      | Unbiased            | 23.435     | 23.475      | 0.04   |
| 1211     | 100      | Unbiased            | 23.961     | 23.816      | -0.145 |
| 1212     | 100      | Unbiased            | 23.66      | 23.849      | 0.189  |
| 1213     | 100      | Unbiased            | 23.832     | 23.708      | -0.124 |
| 1214     | 100      | Unbiased            | 24.103     | 24.098      | -0.005 |

TID vs Post - Pre Exposure Delta

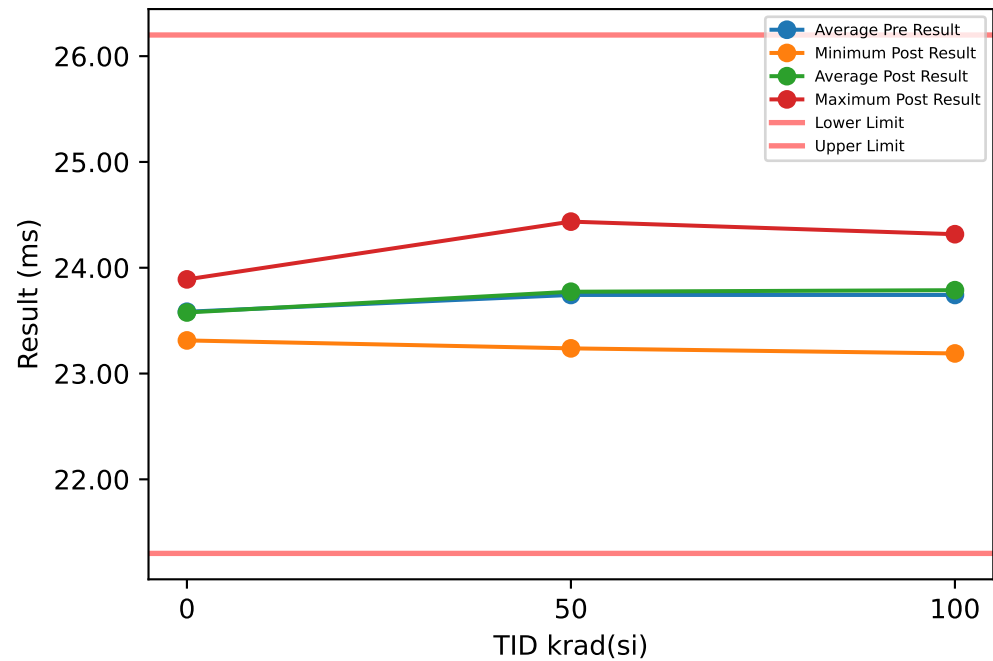


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 23.236           | 23.504           | 23.814           | 0.26059          | 23.328            | 23.564            | 23.854            | 0.20776           | -0.066    | 0.060333   | 0.126     | 0.068742  |
| 50       | 23.109           | 23.742           | 24.263           | 0.36191          | 23.14             | 23.736            | 24.45             | 0.36961           | -0.272    | -0.0058333 | 0.187     | 0.14784   |
| 100      | 23.109           | 23.742           | 24.263           | 0.36191          | 23.161            | 23.769            | 24.312            | 0.40008           | -0.172    | 0.027333   | 0.338     | 0.15263   |

Device Test: 5.54 ; DLY\_TMR\_1MOHM

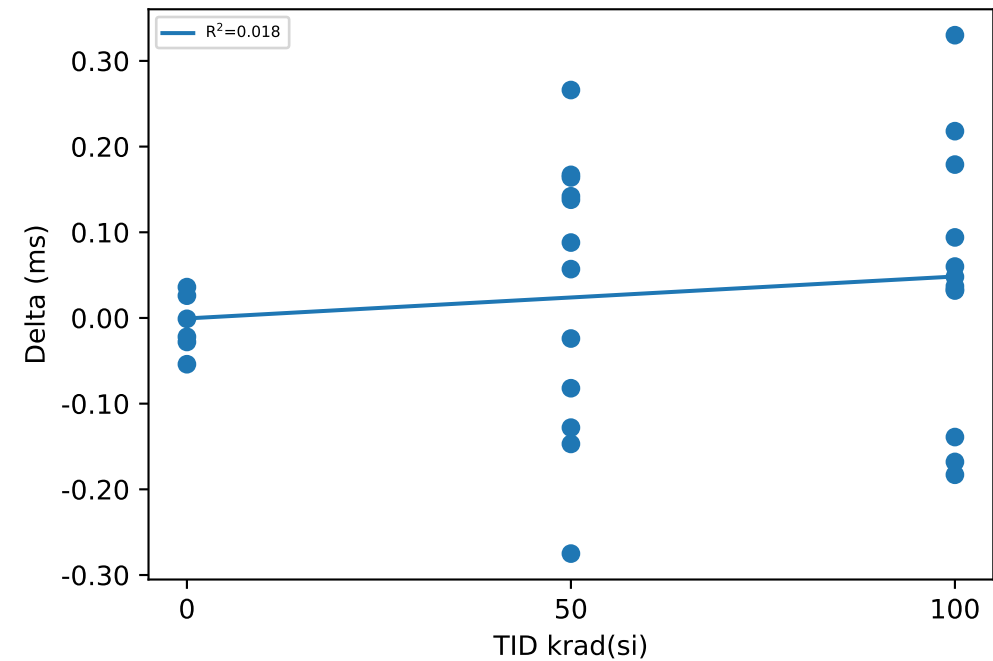
TID vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 23.854     | 23.89       | 0.036  |
| 201      | 0        | Correlation         | 23.558     | 23.504      | -0.054 |
| 202      | 0        | Correlation         | 23.341     | 23.34       | -0.001 |
| 203      | 50       | Biased              | 23.72      | 23.808      | 0.088  |
| 204      | 50       | Biased              | 23.27      | 23.536      | 0.266  |
| 205      | 50       | Biased              | 24.121     | 24.259      | 0.138  |
| 206      | 50       | Biased              | 24.269     | 24.436      | 0.167  |
| 207      | 50       | Biased              | 23.096     | 23.238      | 0.142  |
| 208      | 50       | Biased              | 23.981     | 24.145      | 0.164  |
| 209      | 50       | Unbiased            | 23.43      | 23.406      | -0.024 |
| 210      | 50       | Unbiased            | 23.417     | 23.474      | 0.057  |
| 211      | 50       | Unbiased            | 24.078     | 23.803      | -0.275 |
| 212      | 50       | Unbiased            | 23.581     | 23.453      | -0.128 |
| 213      | 50       | Unbiased            | 23.877     | 23.795      | -0.082 |
| 214      | 50       | Unbiased            | 24.074     | 23.927      | -0.147 |
| 1200     | 0        | Correlation         | 23.854     | 23.88       | 0.026  |
| 1201     | 0        | Correlation         | 23.558     | 23.536      | -0.022 |
| 1202     | 0        | Correlation         | 23.341     | 23.313      | -0.028 |
| 1203     | 100      | Biased              | 23.72      | 24.05       | 0.33   |
| 1204     | 100      | Biased              | 23.27      | 23.302      | 0.032  |
| 1205     | 100      | Biased              | 24.121     | 24.3        | 0.179  |
| 1206     | 100      | Biased              | 24.269     | 24.317      | 0.048  |
| 1207     | 100      | Biased              | 23.096     | 23.19       | 0.094  |
| 1208     | 100      | Biased              | 23.981     | 24.018      | 0.037  |
| 1209     | 100      | Unbiased            | 23.43      | 23.291      | -0.139 |
| 1210     | 100      | Unbiased            | 23.417     | 23.45       | 0.033  |
| 1211     | 100      | Unbiased            | 24.078     | 23.895      | -0.183 |
| 1212     | 100      | Unbiased            | 23.581     | 23.799      | 0.218  |
| 1213     | 100      | Unbiased            | 23.877     | 23.709      | -0.168 |
| 1214     | 100      | Unbiased            | 24.074     | 24.134      | 0.06   |

TID vs Post - Pre Exposure Delta



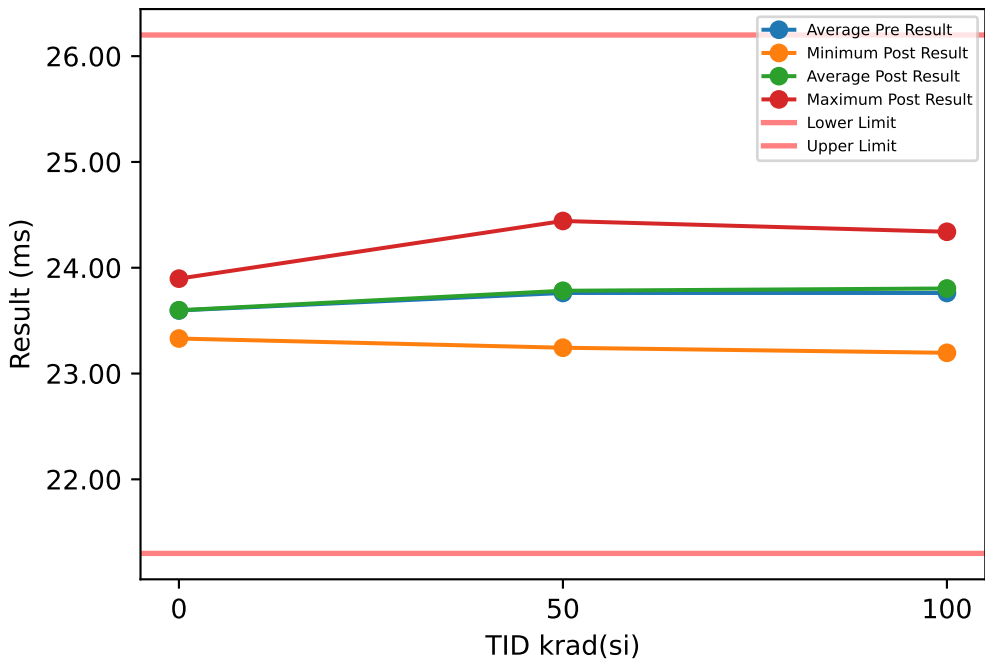
Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 23.341           | 23.584           | 23.854           | 0.23033          | 23.313            | 23.577            | 23.89             | 0.25403           | -0.054    | -0.0071667 | 0.036     | 0.034202  |
| 50       | 23.096           | 23.743           | 24.269           | 0.38011          | 23.238            | 23.773            | 24.436            | 0.37042           | -0.275    | 0.0305     | 0.266     | 0.1611    |
| 100      | 23.096           | 23.743           | 24.269           | 0.38011          | 23.19             | 23.788            | 24.317            | 0.39956           | -0.183    | 0.045083   | 0.33      | 0.15472   |



Device Test: 5.55 ; DLY\_TMR\_1MOHM

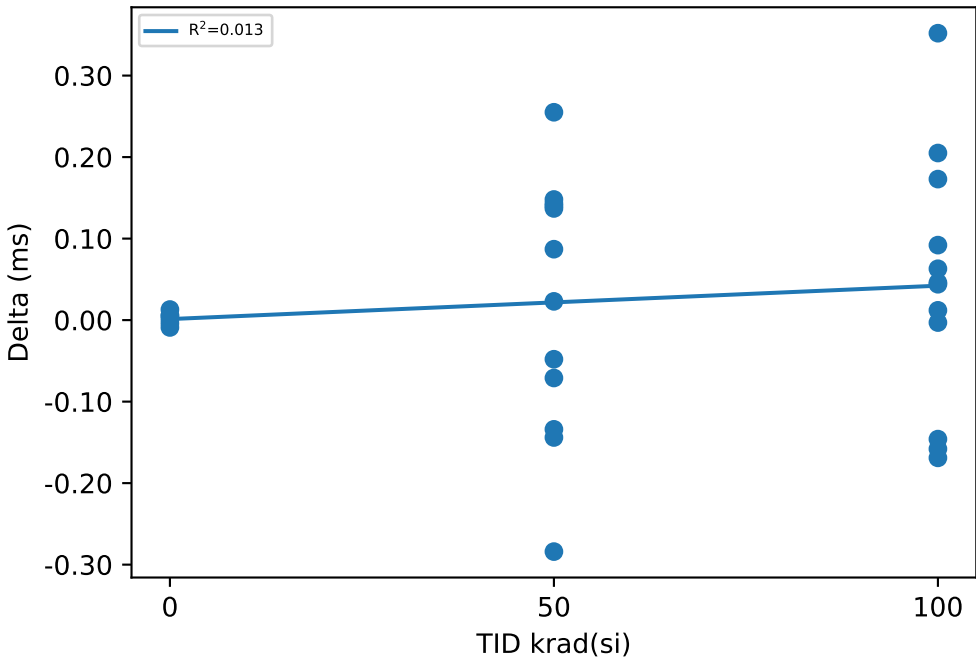
TID vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 23.884     | 23.897      | 0.013  |
| 201      | 0        | Correlation         | 23.565     | 23.566      | 0.001  |
| 202      | 0        | Correlation         | 23.34      | 23.346      | 0.006  |
| 203      | 50       | Biased              | 23.726     | 23.813      | 0.087  |
| 204      | 50       | Biased              | 23.287     | 23.542      | 0.255  |
| 205      | 50       | Biased              | 24.127     | 24.264      | 0.137  |
| 206      | 50       | Biased              | 24.294     | 24.442      | 0.148  |
| 207      | 50       | Biased              | 23.104     | 23.244      | 0.14   |
| 208      | 50       | Biased              | 24.009     | 24.152      | 0.143  |
| 209      | 50       | Unbiased            | 23.458     | 23.41       | -0.048 |
| 210      | 50       | Unbiased            | 23.454     | 23.477      | 0.023  |
| 211      | 50       | Unbiased            | 24.094     | 23.81       | -0.284 |
| 212      | 50       | Unbiased            | 23.634     | 23.5        | -0.134 |
| 213      | 50       | Unbiased            | 23.873     | 23.802      | -0.071 |
| 214      | 50       | Unbiased            | 24.078     | 23.934      | -0.144 |
| 1200     | 0        | Correlation         | 23.884     | 23.889      | 0.005  |
| 1201     | 0        | Correlation         | 23.565     | 23.561      | -0.004 |
| 1202     | 0        | Correlation         | 23.34      | 23.331      | -0.009 |
| 1203     | 100      | Biased              | 23.726     | 24.078      | 0.352  |
| 1204     | 100      | Biased              | 23.287     | 23.284      | -0.003 |
| 1205     | 100      | Biased              | 24.127     | 24.332      | 0.205  |
| 1206     | 100      | Biased              | 24.294     | 24.34       | 0.046  |
| 1207     | 100      | Biased              | 23.104     | 23.196      | 0.092  |
| 1208     | 100      | Biased              | 24.009     | 24.053      | 0.044  |
| 1209     | 100      | Unbiased            | 23.458     | 23.3        | -0.158 |
| 1210     | 100      | Unbiased            | 23.454     | 23.466      | 0.012  |
| 1211     | 100      | Unbiased            | 24.094     | 23.925      | -0.169 |
| 1212     | 100      | Unbiased            | 23.634     | 23.807      | 0.173  |
| 1213     | 100      | Unbiased            | 23.873     | 23.727      | -0.146 |
| 1214     | 100      | Unbiased            | 24.078     | 24.141      | 0.063  |

TID vs Post - Pre Exposure Delta

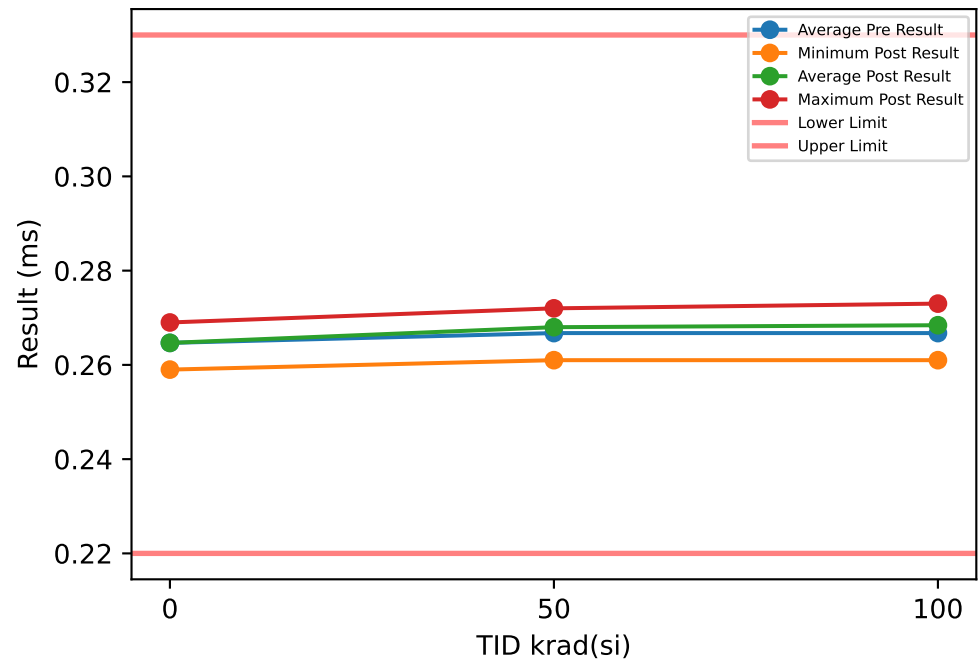


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 23.34            | 23.596           | 23.884           | 0.24449          | 23.331            | 23.598            | 23.897            | 0.24951           | -0.009    | 0.002     | 0.013     | 0.0077974 |
| 50       | 23.104           | 23.761           | 24.294           | 0.37697          | 23.244            | 23.782            | 24.442            | 0.3678            | -0.284    | 0.021     | 0.255     | 0.15818   |
| 100      | 23.104           | 23.761           | 24.294           | 0.37697          | 23.196            | 23.804            | 24.34             | 0.40961           | -0.169    | 0.042583  | 0.352     | 0.15538   |

Device Test: 5.56 ; DLY\_TMR\_10KOHM

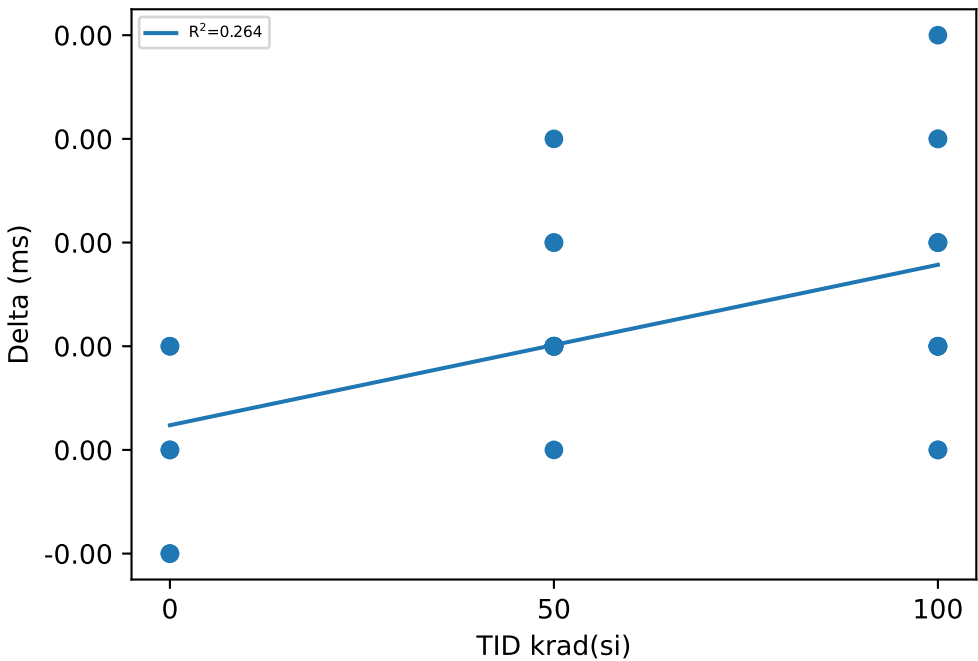
TID vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.268      | 0.269       | 0.001  |
| 201      | 0        | Correlation         | 0.266      | 0.266       | 0      |
| 202      | 0        | Correlation         | 0.26       | 0.259       | -0.001 |
| 203      | 50       | Biased              | 0.266      | 0.267       | 0.001  |
| 204      | 50       | Biased              | 0.267      | 0.268       | 0.001  |
| 205      | 50       | Biased              | 0.269      | 0.271       | 0.002  |
| 206      | 50       | Biased              | 0.268      | 0.269       | 0.001  |
| 207      | 50       | Biased              | 0.267      | 0.268       | 0.001  |
| 208      | 50       | Biased              | 0.26       | 0.261       | 0.001  |
| 209      | 50       | Unbiased            | 0.26       | 0.262       | 0.002  |
| 210      | 50       | Unbiased            | 0.268      | 0.269       | 0.001  |
| 211      | 50       | Unbiased            | 0.271      | 0.271       | 0      |
| 212      | 50       | Unbiased            | 0.266      | 0.269       | 0.003  |
| 213      | 50       | Unbiased            | 0.271      | 0.272       | 0.001  |
| 214      | 50       | Unbiased            | 0.268      | 0.269       | 0.001  |
| 1200     | 0        | Correlation         | 0.268      | 0.269       | 0.001  |
| 1201     | 0        | Correlation         | 0.266      | 0.266       | 0      |
| 1202     | 0        | Correlation         | 0.26       | 0.259       | -0.001 |
| 1203     | 100      | Biased              | 0.266      | 0.269       | 0.003  |
| 1204     | 100      | Biased              | 0.267      | 0.268       | 0.001  |
| 1205     | 100      | Biased              | 0.269      | 0.273       | 0.004  |
| 1206     | 100      | Biased              | 0.268      | 0.27        | 0.002  |
| 1207     | 100      | Biased              | 0.267      | 0.269       | 0.002  |
| 1208     | 100      | Biased              | 0.26       | 0.261       | 0.001  |
| 1209     | 100      | Unbiased            | 0.26       | 0.262       | 0.002  |
| 1210     | 100      | Unbiased            | 0.268      | 0.269       | 0.001  |
| 1211     | 100      | Unbiased            | 0.271      | 0.271       | 0      |
| 1212     | 100      | Unbiased            | 0.266      | 0.269       | 0.003  |
| 1213     | 100      | Unbiased            | 0.271      | 0.271       | 0      |
| 1214     | 100      | Unbiased            | 0.268      | 0.269       | 0.001  |

TID vs Post - Pre Exposure Delta

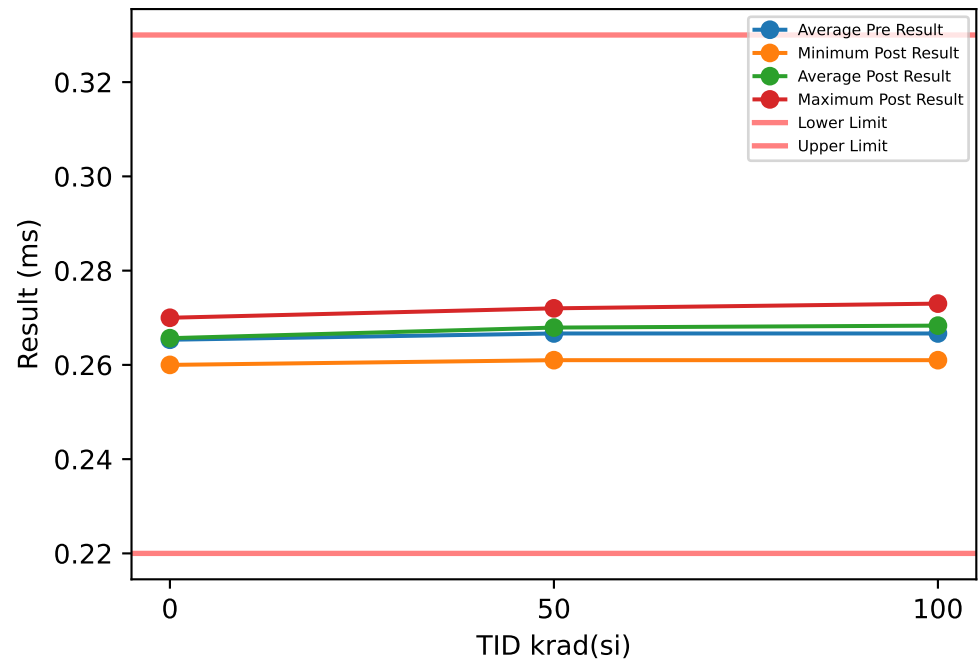


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| 0        | 0.26             | 0.26467          | 0.268            | 0.0037238        | 0.259             | 0.26467           | 0.269             | 0.0045898         | -0.001    | 0         | 0.001     | 0.00089443 |
| 50       | 0.26             | 0.26675          | 0.271            | 0.0035452        | 0.261             | 0.268             | 0.272             | 0.0033575         | 0         | 0.00125   | 0.003     | 0.00075378 |
| 100      | 0.26             | 0.26675          | 0.271            | 0.0035452        | 0.261             | 0.26842           | 0.273             | 0.0035022         | 0         | 0.0016667 | 0.004     | 0.0012309  |

Device Test: 5.57 ; DLY\_TMR\_10KOHM

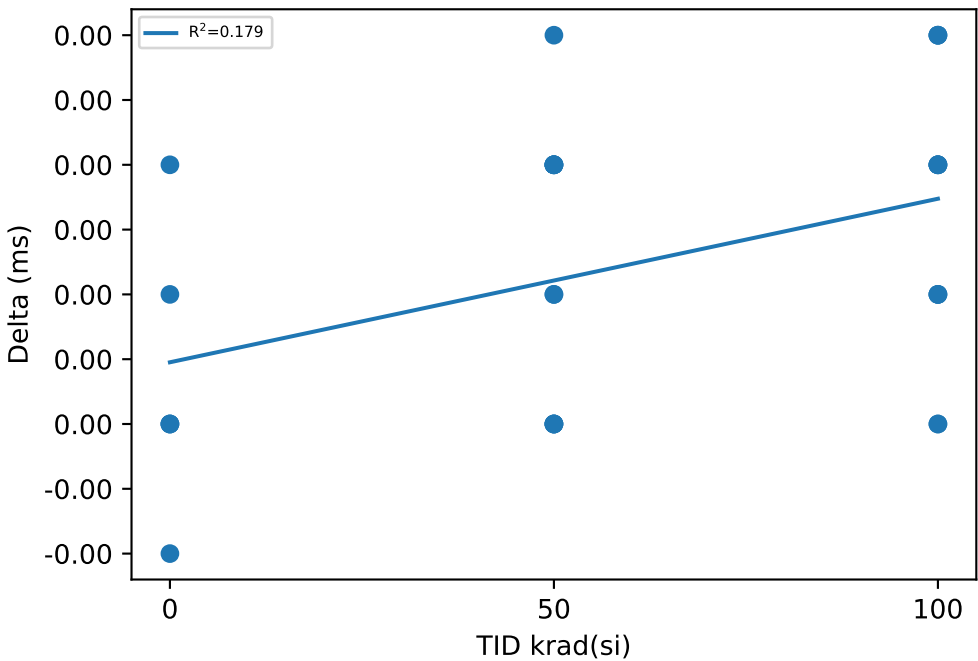
TID vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.268      | 0.268       | 0      |
| 201      | 0        | Correlation         | 0.267      | 0.268       | 0.001  |
| 202      | 0        | Correlation         | 0.261      | 0.261       | 0      |
| 203      | 50       | Biased              | 0.267      | 0.267       | 0      |
| 204      | 50       | Biased              | 0.266      | 0.268       | 0.002  |
| 205      | 50       | Biased              | 0.27       | 0.272       | 0.002  |
| 206      | 50       | Biased              | 0.268      | 0.27        | 0.002  |
| 207      | 50       | Biased              | 0.266      | 0.268       | 0.002  |
| 208      | 50       | Biased              | 0.261      | 0.261       | 0      |
| 209      | 50       | Unbiased            | 0.26       | 0.262       | 0.002  |
| 210      | 50       | Unbiased            | 0.267      | 0.27        | 0.003  |
| 211      | 50       | Unbiased            | 0.27       | 0.271       | 0.001  |
| 212      | 50       | Unbiased            | 0.267      | 0.267       | 0      |
| 213      | 50       | Unbiased            | 0.271      | 0.271       | 0      |
| 214      | 50       | Unbiased            | 0.267      | 0.268       | 0.001  |
| 1200     | 0        | Correlation         | 0.268      | 0.27        | 0.002  |
| 1201     | 0        | Correlation         | 0.267      | 0.267       | 0      |
| 1202     | 0        | Correlation         | 0.261      | 0.26        | -0.001 |
| 1203     | 100      | Biased              | 0.267      | 0.27        | 0.003  |
| 1204     | 100      | Biased              | 0.266      | 0.268       | 0.002  |
| 1205     | 100      | Biased              | 0.27       | 0.273       | 0.003  |
| 1206     | 100      | Biased              | 0.268      | 0.27        | 0.002  |
| 1207     | 100      | Biased              | 0.266      | 0.269       | 0.003  |
| 1208     | 100      | Biased              | 0.261      | 0.261       | 0      |
| 1209     | 100      | Unbiased            | 0.26       | 0.261       | 0.001  |
| 1210     | 100      | Unbiased            | 0.267      | 0.269       | 0.002  |
| 1211     | 100      | Unbiased            | 0.27       | 0.271       | 0.001  |
| 1212     | 100      | Unbiased            | 0.267      | 0.268       | 0.001  |
| 1213     | 100      | Unbiased            | 0.271      | 0.271       | 0      |
| 1214     | 100      | Unbiased            | 0.267      | 0.269       | 0.002  |

TID vs Post - Pre Exposure Delta

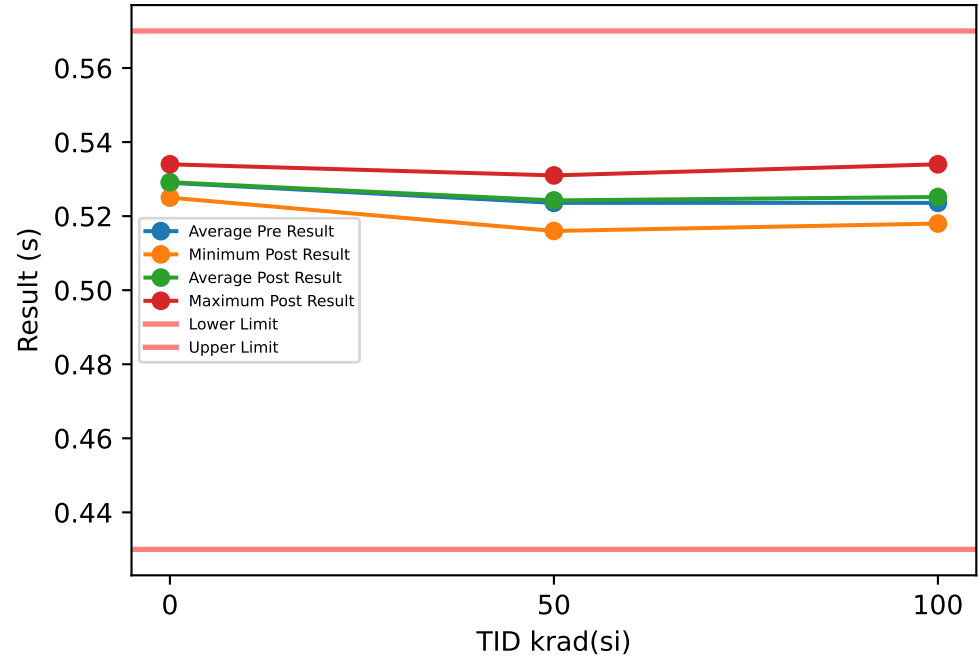


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 0.261            | 0.26533          | 0.268            | 0.0033862        | 0.26              | 0.26567           | 0.27              | 0.0041312         | -0.001    | 0.00033333 | 0.002     | 0.0010328 |
| 50       | 0.26             | 0.26667          | 0.271            | 0.0033121        | 0.261             | 0.26792           | 0.272             | 0.0034234         | 0         | 0.00125    | 0.003     | 0.0010553 |
| 100      | 0.26             | 0.26667          | 0.271            | 0.0033121        | 0.261             | 0.26833           | 0.273             | 0.0037009         | 0         | 0.0016667  | 0.003     | 0.0010731 |

Device Test: 5.58 ; WD\_TMR\_10KOHM

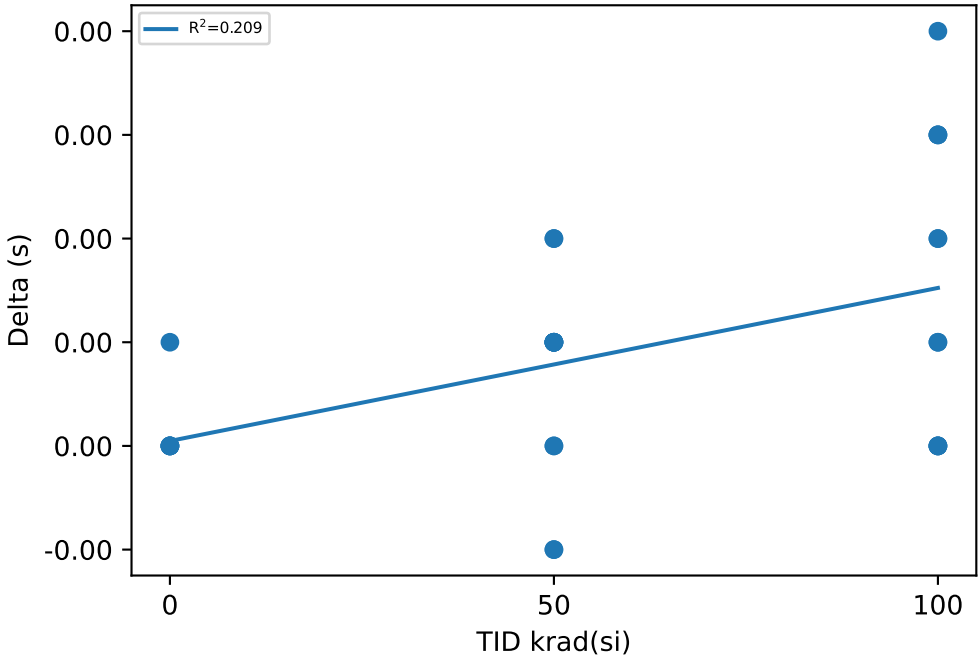
TID vs Result Stats



Test Results (Lower Limit = 0.43, Upper Limit = 0.57 (s))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.534      | 0.534       | 0      |
| 201      | 0        | Correlation         | 0.525      | 0.525       | 0      |
| 202      | 0        | Correlation         | 0.528      | 0.528       | 0      |
| 203      | 50       | Biased              | 0.519      | 0.52        | 0.001  |
| 204      | 50       | Biased              | 0.519      | 0.521       | 0.002  |
| 205      | 50       | Biased              | 0.522      | 0.523       | 0.001  |
| 206      | 50       | Biased              | 0.53       | 0.531       | 0.001  |
| 207      | 50       | Biased              | 0.525      | 0.526       | 0.001  |
| 208      | 50       | Biased              | 0.525      | 0.524       | -0.001 |
| 209      | 50       | Unbiased            | 0.521      | 0.522       | 0.001  |
| 210      | 50       | Unbiased            | 0.516      | 0.516       | 0      |
| 211      | 50       | Unbiased            | 0.527      | 0.528       | 0.001  |
| 212      | 50       | Unbiased            | 0.53       | 0.53        | 0      |
| 213      | 50       | Unbiased            | 0.524      | 0.523       | -0.001 |
| 214      | 50       | Unbiased            | 0.525      | 0.527       | 0.002  |
| 1200     | 0        | Correlation         | 0.534      | 0.534       | 0      |
| 1201     | 0        | Correlation         | 0.525      | 0.525       | 0      |
| 1202     | 0        | Correlation         | 0.528      | 0.529       | 0.001  |
| 1203     | 100      | Biased              | 0.519      | 0.52        | 0.001  |
| 1204     | 100      | Biased              | 0.519      | 0.522       | 0.003  |
| 1205     | 100      | Biased              | 0.522      | 0.525       | 0.003  |
| 1206     | 100      | Biased              | 0.53       | 0.534       | 0.004  |
| 1207     | 100      | Biased              | 0.525      | 0.528       | 0.003  |
| 1208     | 100      | Biased              | 0.525      | 0.525       | 0      |
| 1209     | 100      | Unbiased            | 0.521      | 0.523       | 0.002  |
| 1210     | 100      | Unbiased            | 0.516      | 0.518       | 0.002  |
| 1211     | 100      | Unbiased            | 0.527      | 0.527       | 0      |
| 1212     | 100      | Unbiased            | 0.53       | 0.53        | 0      |
| 1213     | 100      | Unbiased            | 0.524      | 0.524       | 0      |
| 1214     | 100      | Unbiased            | 0.525      | 0.526       | 0.001  |

TID vs Post - Pre Exposure Delta

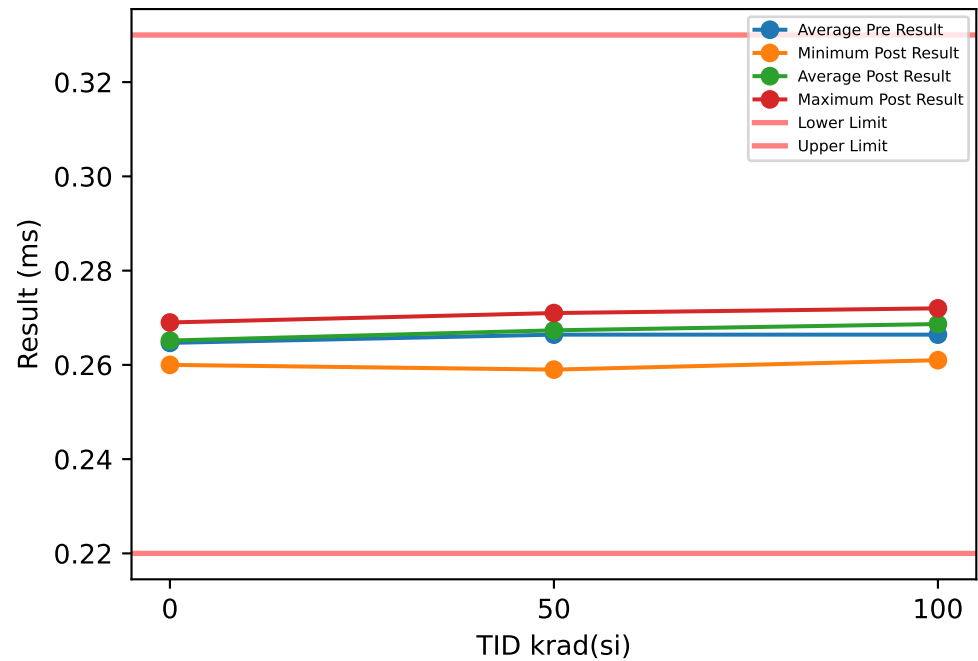


Test Statistics (s)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|------------|
| 0        | 0.525            | 0.529            | 0.534            | 0.0040988        | 0.525             | 0.52917           | 0.534             | 0.0040702         | 0         | 0.00016667 | 0.001     | 0.00040825 |
| 50       | 0.516            | 0.52358          | 0.53             | 0.004358         | 0.516             | 0.52425           | 0.531             | 0.0043511         | -0.001    | 0.00066667 | 0.002     | 0.00098473 |
| 100      | 0.516            | 0.52358          | 0.53             | 0.004358         | 0.518             | 0.52517           | 0.534             | 0.004345          | 0         | 0.0015833  | 0.004     | 0.0014434  |

Device Test: 5.59 ; DLY\_TMR\_10KOHM

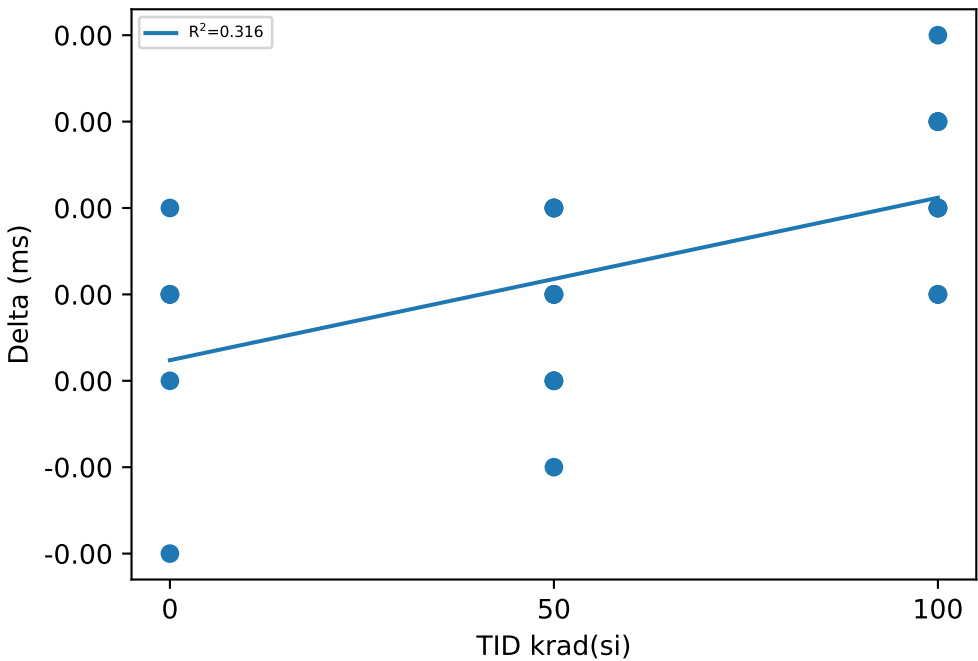
TID vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.269      | 0.267       | -0.002 |
| 201      | 0        | Correlation         | 0.266      | 0.267       | 0.001  |
| 202      | 0        | Correlation         | 0.259      | 0.261       | 0.002  |
| 203      | 50       | Biased              | 0.266      | 0.268       | 0.002  |
| 204      | 50       | Biased              | 0.266      | 0.266       | 0      |
| 205      | 50       | Biased              | 0.269      | 0.27        | 0.001  |
| 206      | 50       | Biased              | 0.268      | 0.269       | 0.001  |
| 207      | 50       | Biased              | 0.267      | 0.269       | 0.002  |
| 208      | 50       | Biased              | 0.259      | 0.259       | 0      |
| 209      | 50       | Unbiased            | 0.261      | 0.261       | 0      |
| 210      | 50       | Unbiased            | 0.267      | 0.269       | 0.002  |
| 211      | 50       | Unbiased            | 0.269      | 0.271       | 0.002  |
| 212      | 50       | Unbiased            | 0.267      | 0.268       | 0.001  |
| 213      | 50       | Unbiased            | 0.271      | 0.27        | -0.001 |
| 214      | 50       | Unbiased            | 0.267      | 0.268       | 0.001  |
| 1200     | 0        | Correlation         | 0.269      | 0.269       | 0      |
| 1201     | 0        | Correlation         | 0.266      | 0.267       | 0.001  |
| 1202     | 0        | Correlation         | 0.259      | 0.26        | 0.001  |
| 1203     | 100      | Biased              | 0.266      | 0.27        | 0.004  |
| 1204     | 100      | Biased              | 0.266      | 0.269       | 0.003  |
| 1205     | 100      | Biased              | 0.269      | 0.272       | 0.003  |
| 1206     | 100      | Biased              | 0.268      | 0.269       | 0.001  |
| 1207     | 100      | Biased              | 0.267      | 0.269       | 0.002  |
| 1208     | 100      | Biased              | 0.259      | 0.261       | 0.002  |
| 1209     | 100      | Unbiased            | 0.261      | 0.262       | 0.001  |
| 1210     | 100      | Unbiased            | 0.267      | 0.27        | 0.003  |
| 1211     | 100      | Unbiased            | 0.269      | 0.271       | 0.002  |
| 1212     | 100      | Unbiased            | 0.267      | 0.269       | 0.002  |
| 1213     | 100      | Unbiased            | 0.271      | 0.272       | 0.001  |
| 1214     | 100      | Unbiased            | 0.267      | 0.27        | 0.003  |

TID vs Post - Pre Exposure Delta



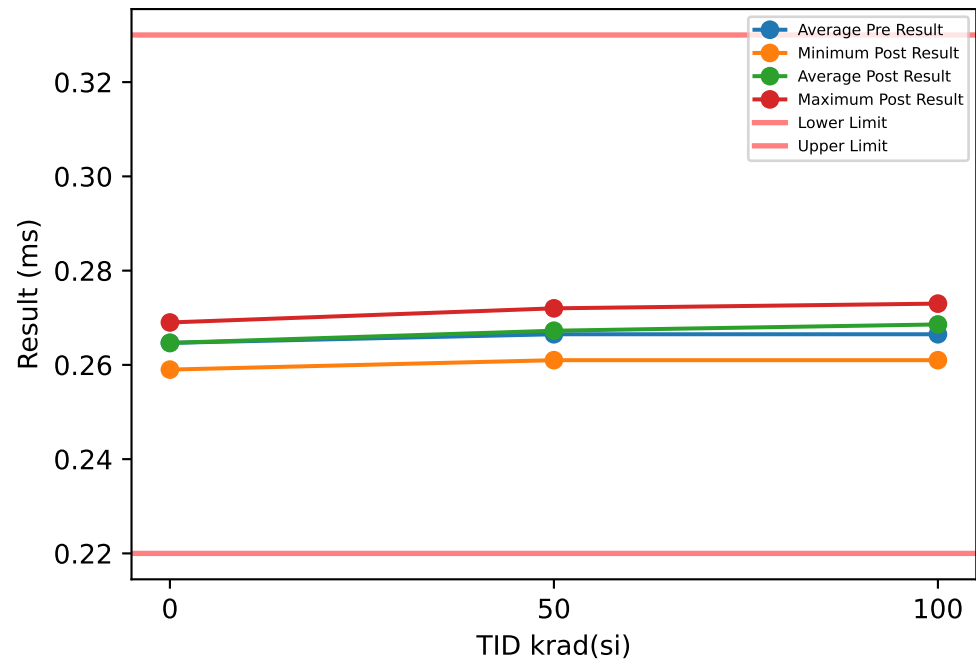
Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|------------|
| 0        | 0.259            | 0.26467          | 0.269            | 0.0045898        | 0.26              | 0.26517           | 0.269             | 0.0037103         | -0.002    | 0.0005     | 0.002     | 0.0013784  |
| 50       | 0.259            | 0.26642          | 0.271            | 0.0033428        | 0.259             | 0.26733           | 0.271             | 0.0036763         | -0.001    | 0.00091667 | 0.002     | 0.0009962  |
| 100      | 0.259            | 0.26642          | 0.271            | 0.0033428        | 0.261             | 0.26867           | 0.272             | 0.0035248         | 0.001     | 0.00225    | 0.004     | 0.00096531 |



Device Test: 5.60 ; DLY\_TMR\_10KOHM

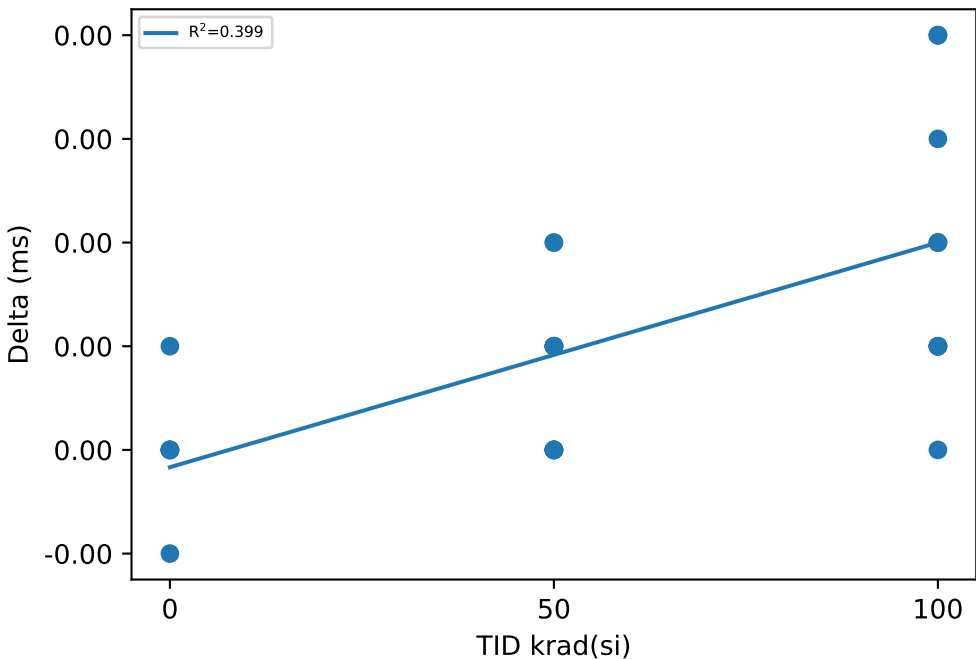
TID vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.268      | 0.268       | 0      |
| 201      | 0        | Correlation         | 0.267      | 0.266       | -0.001 |
| 202      | 0        | Correlation         | 0.259      | 0.259       | 0      |
| 203      | 50       | Biased              | 0.266      | 0.266       | 0      |
| 204      | 50       | Biased              | 0.266      | 0.267       | 0.001  |
| 205      | 50       | Biased              | 0.269      | 0.27        | 0.001  |
| 206      | 50       | Biased              | 0.267      | 0.268       | 0.001  |
| 207      | 50       | Biased              | 0.266      | 0.268       | 0.002  |
| 208      | 50       | Biased              | 0.261      | 0.261       | 0      |
| 209      | 50       | Unbiased            | 0.261      | 0.262       | 0.001  |
| 210      | 50       | Unbiased            | 0.267      | 0.268       | 0.001  |
| 211      | 50       | Unbiased            | 0.27       | 0.272       | 0.002  |
| 212      | 50       | Unbiased            | 0.267      | 0.267       | 0      |
| 213      | 50       | Unbiased            | 0.27       | 0.27        | 0      |
| 214      | 50       | Unbiased            | 0.268      | 0.268       | 0      |
| 1200     | 0        | Correlation         | 0.268      | 0.269       | 0.001  |
| 1201     | 0        | Correlation         | 0.267      | 0.267       | 0      |
| 1202     | 0        | Correlation         | 0.259      | 0.259       | 0      |
| 1203     | 100      | Biased              | 0.266      | 0.27        | 0.004  |
| 1204     | 100      | Biased              | 0.266      | 0.268       | 0.002  |
| 1205     | 100      | Biased              | 0.269      | 0.273       | 0.004  |
| 1206     | 100      | Biased              | 0.267      | 0.27        | 0.003  |
| 1207     | 100      | Biased              | 0.266      | 0.268       | 0.002  |
| 1208     | 100      | Biased              | 0.261      | 0.261       | 0      |
| 1209     | 100      | Unbiased            | 0.261      | 0.262       | 0.001  |
| 1210     | 100      | Unbiased            | 0.267      | 0.271       | 0.004  |
| 1211     | 100      | Unbiased            | 0.27       | 0.272       | 0.002  |
| 1212     | 100      | Unbiased            | 0.267      | 0.268       | 0.001  |
| 1213     | 100      | Unbiased            | 0.27       | 0.271       | 0.001  |
| 1214     | 100      | Unbiased            | 0.268      | 0.269       | 0.001  |

TID vs Post - Pre Exposure Delta

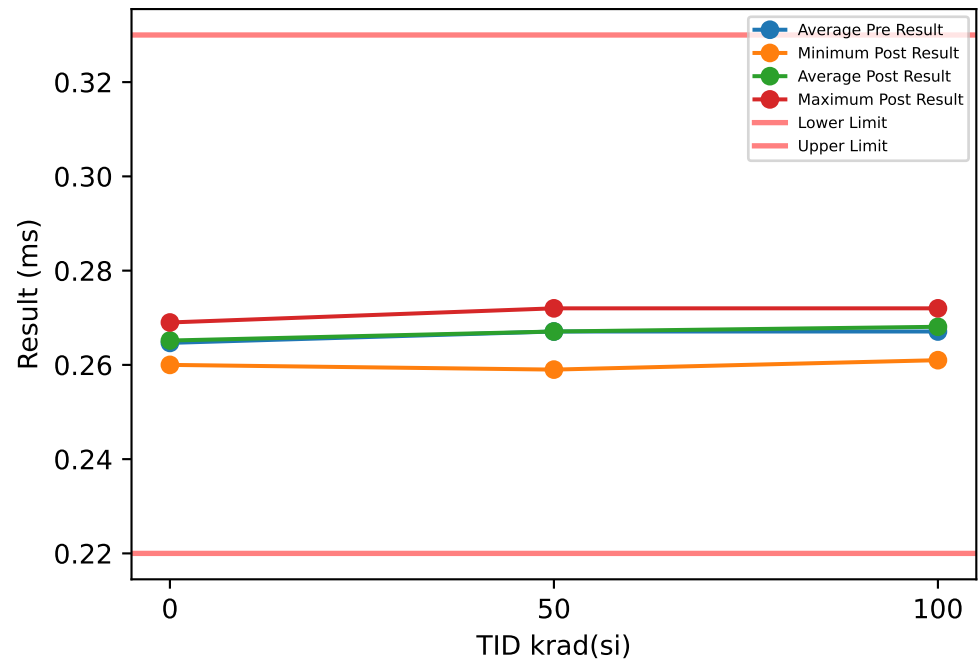


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| 0        | 0.259            | 0.26467          | 0.268            | 0.0044121        | 0.259             | 0.26467           | 0.269             | 0.0045019         | -0.001    | 0         | 0.001     | 0.00063246 |
| 50       | 0.261            | 0.2665           | 0.27             | 0.0029388        | 0.261             | 0.26725           | 0.272             | 0.003137          | 0         | 0.00075   | 0.002     | 0.00075378 |
| 100      | 0.261            | 0.2665           | 0.27             | 0.0029388        | 0.261             | 0.26858           | 0.273             | 0.0036794         | 0         | 0.0020833 | 0.004     | 0.001379   |

Device Test: 5.61 ; DLY\_TMR\_10KOHM

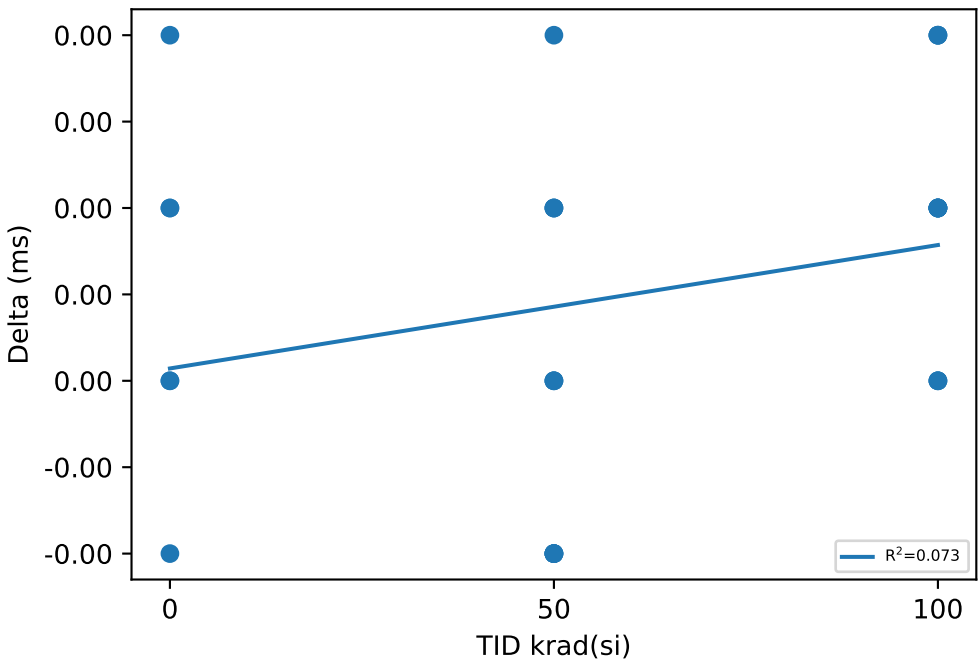
TID vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.269      | 0.268       | -0.001 |
| 201      | 0        | Correlation         | 0.266      | 0.266       | 0      |
| 202      | 0        | Correlation         | 0.259      | 0.26        | 0.001  |
| 203      | 50       | Biased              | 0.266      | 0.267       | 0.001  |
| 204      | 50       | Biased              | 0.267      | 0.266       | -0.001 |
| 205      | 50       | Biased              | 0.271      | 0.271       | 0      |
| 206      | 50       | Biased              | 0.268      | 0.268       | 0      |
| 207      | 50       | Biased              | 0.267      | 0.268       | 0.001  |
| 208      | 50       | Biased              | 0.26       | 0.259       | -0.001 |
| 209      | 50       | Unbiased            | 0.261      | 0.26        | -0.001 |
| 210      | 50       | Unbiased            | 0.268      | 0.268       | 0      |
| 211      | 50       | Unbiased            | 0.27       | 0.272       | 0.002  |
| 212      | 50       | Unbiased            | 0.268      | 0.267       | -0.001 |
| 213      | 50       | Unbiased            | 0.27       | 0.271       | 0.001  |
| 214      | 50       | Unbiased            | 0.269      | 0.268       | -0.001 |
| 1200     | 0        | Correlation         | 0.269      | 0.269       | 0      |
| 1201     | 0        | Correlation         | 0.266      | 0.267       | 0.001  |
| 1202     | 0        | Correlation         | 0.259      | 0.261       | 0.002  |
| 1203     | 100      | Biased              | 0.266      | 0.268       | 0.002  |
| 1204     | 100      | Biased              | 0.267      | 0.268       | 0.001  |
| 1205     | 100      | Biased              | 0.271      | 0.272       | 0.001  |
| 1206     | 100      | Biased              | 0.268      | 0.268       | 0      |
| 1207     | 100      | Biased              | 0.267      | 0.268       | 0.001  |
| 1208     | 100      | Biased              | 0.26       | 0.261       | 0.001  |
| 1209     | 100      | Unbiased            | 0.261      | 0.262       | 0.001  |
| 1210     | 100      | Unbiased            | 0.268      | 0.27        | 0.002  |
| 1211     | 100      | Unbiased            | 0.27       | 0.272       | 0.002  |
| 1212     | 100      | Unbiased            | 0.268      | 0.268       | 0      |
| 1213     | 100      | Unbiased            | 0.27       | 0.271       | 0.001  |
| 1214     | 100      | Unbiased            | 0.269      | 0.269       | 0      |

TID vs Post - Pre Exposure Delta

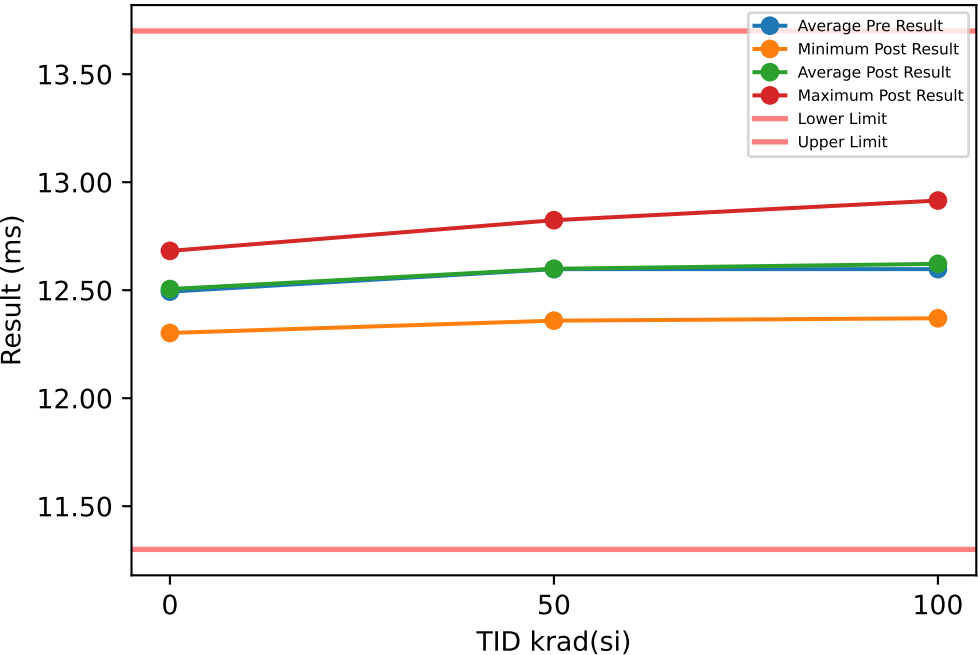


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| 0        | 0.259            | 0.26467          | 0.269            | 0.0045898        | 0.26              | 0.26517           | 0.269             | 0.0037639         | -0.001    | 0.0005    | 0.002     | 0.0010488  |
| 50       | 0.26             | 0.26708          | 0.271            | 0.0033967        | 0.259             | 0.26708           | 0.272             | 0.0039877         | -0.001    | 0         | 0.002     | 0.0010445  |
| 100      | 0.26             | 0.26708          | 0.271            | 0.0033967        | 0.261             | 0.26808           | 0.272             | 0.0034499         | 0         | 0.001     | 0.002     | 0.00073855 |

Device Test: 5.62 ; DLY\_TMR\_500KOHM

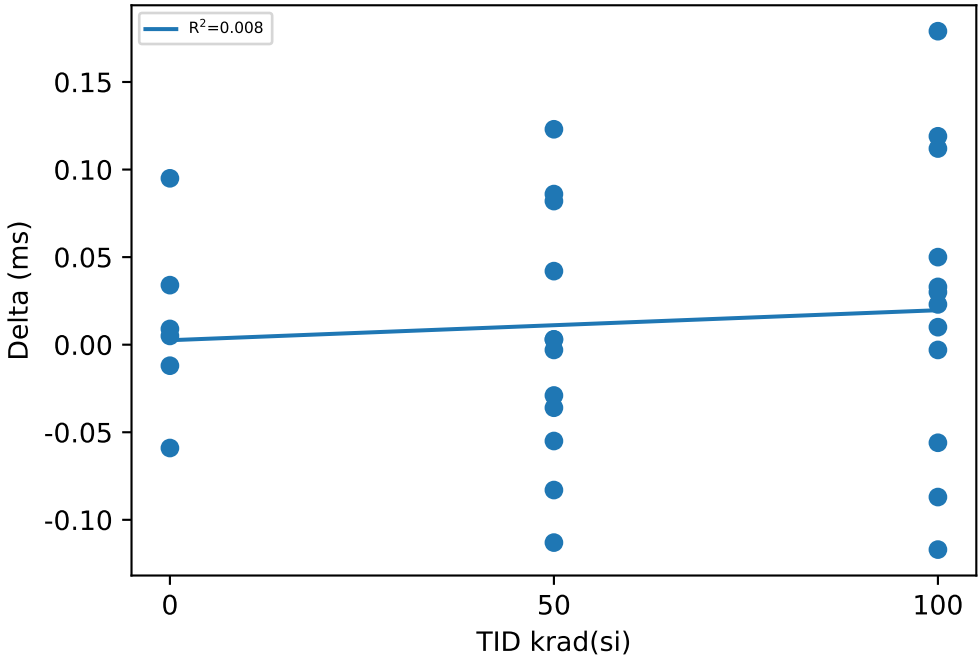
TID vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 12.673     | 12.682      | 0.009  |
| 201      | 0        | Correlation         | 12.446     | 12.48       | 0.034  |
| 202      | 0        | Correlation         | 12.361     | 12.302      | -0.059 |
| 203      | 50       | Biased              | 12.543     | 12.625      | 0.082  |
| 204      | 50       | Biased              | 12.36      | 12.483      | 0.123  |
| 205      | 50       | Biased              | 12.803     | 12.8        | -0.003 |
| 206      | 50       | Biased              | 12.821     | 12.824      | 0.003  |
| 207      | 50       | Biased              | 12.356     | 12.359      | 0.003  |
| 208      | 50       | Biased              | 12.6       | 12.686      | 0.086  |
| 209      | 50       | Unbiased            | 12.458     | 12.375      | -0.083 |
| 210      | 50       | Unbiased            | 12.464     | 12.506      | 0.042  |
| 211      | 50       | Unbiased            | 12.794     | 12.681      | -0.113 |
| 212      | 50       | Unbiased            | 12.537     | 12.501      | -0.036 |
| 213      | 50       | Unbiased            | 12.706     | 12.651      | -0.055 |
| 214      | 50       | Unbiased            | 12.728     | 12.699      | -0.029 |
| 1200     | 0        | Correlation         | 12.673     | 12.661      | -0.012 |
| 1201     | 0        | Correlation         | 12.446     | 12.541      | 0.095  |
| 1202     | 0        | Correlation         | 12.361     | 12.366      | 0.005  |
| 1203     | 100      | Biased              | 12.543     | 12.722      | 0.179  |
| 1204     | 100      | Biased              | 12.36      | 12.37       | 0.01   |
| 1205     | 100      | Biased              | 12.803     | 12.915      | 0.112  |
| 1206     | 100      | Biased              | 12.821     | 12.851      | 0.03   |
| 1207     | 100      | Biased              | 12.356     | 12.406      | 0.05   |
| 1208     | 100      | Biased              | 12.6       | 12.597      | -0.003 |
| 1209     | 100      | Unbiased            | 12.458     | 12.402      | -0.056 |
| 1210     | 100      | Unbiased            | 12.464     | 12.487      | 0.023  |
| 1211     | 100      | Unbiased            | 12.794     | 12.707      | -0.087 |
| 1212     | 100      | Unbiased            | 12.537     | 12.656      | 0.119  |
| 1213     | 100      | Unbiased            | 12.706     | 12.589      | -0.117 |
| 1214     | 100      | Unbiased            | 12.728     | 12.761      | 0.033  |

TID vs Post - Pre Exposure Delta

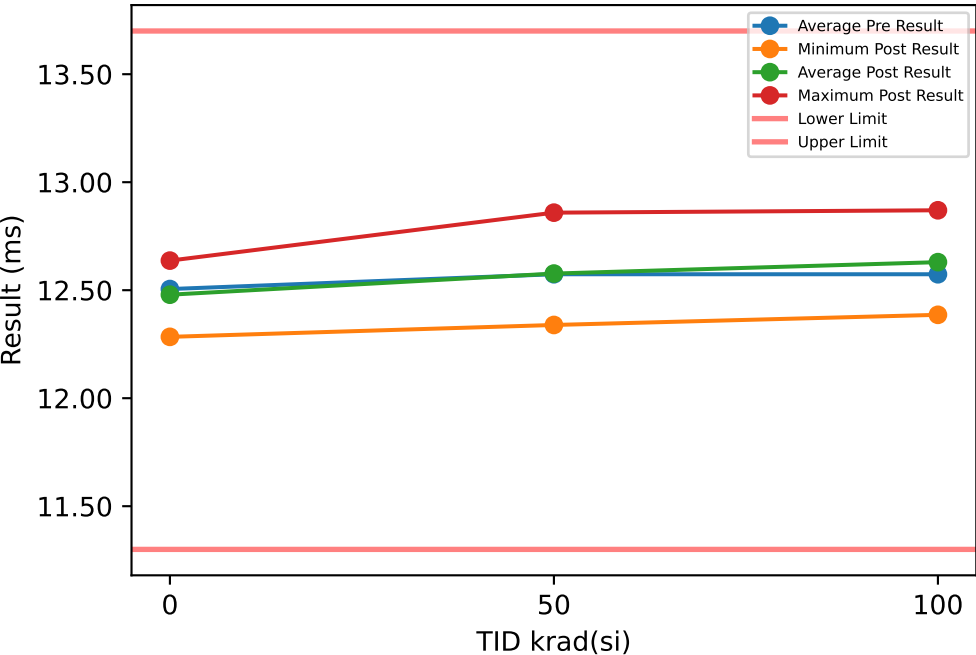


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.361           | 12.493           | 12.673           | 0.14427          | 12.302            | 12.505            | 12.682            | 0.1537            | -0.059    | 0.012     | 0.095     | 0.051084  |
| 50       | 12.356           | 12.597           | 12.821           | 0.17009          | 12.359            | 12.599            | 12.824            | 0.1532            | -0.113    | 0.0016667 | 0.123     | 0.07124   |
| 100      | 12.356           | 12.597           | 12.821           | 0.17009          | 12.37             | 12.622            | 12.915            | 0.17952           | -0.117    | 0.024417  | 0.179     | 0.085871  |

Device Test: 5.63 ; DLY\_TMR\_500KOHM

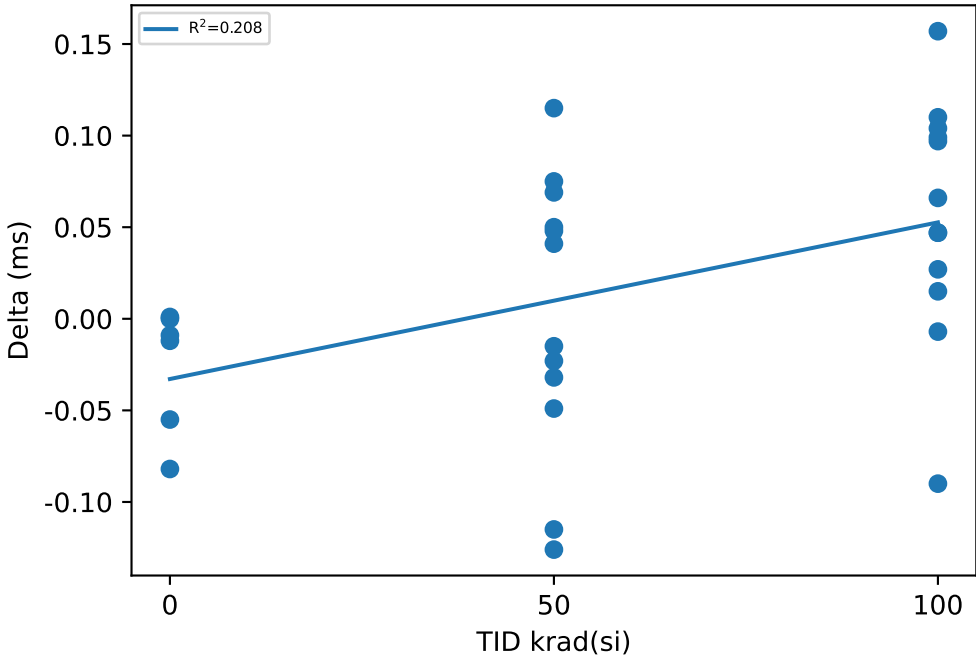
TID vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 12.637     | 12.637      | 0      |
| 201      | 0        | Correlation         | 12.54      | 12.458      | -0.082 |
| 202      | 0        | Correlation         | 12.339     | 12.284      | -0.055 |
| 203      | 50       | Biased              | 12.535     | 12.585      | 0.05   |
| 204      | 50       | Biased              | 12.349     | 12.464      | 0.115  |
| 205      | 50       | Biased              | 12.766     | 12.835      | 0.069  |
| 206      | 50       | Biased              | 12.784     | 12.859      | 0.075  |
| 207      | 50       | Biased              | 12.362     | 12.339      | -0.023 |
| 208      | 50       | Biased              | 12.57      | 12.618      | 0.048  |
| 209      | 50       | Unbiased            | 12.371     | 12.356      | -0.015 |
| 210      | 50       | Unbiased            | 12.443     | 12.484      | 0.041  |
| 211      | 50       | Unbiased            | 12.76      | 12.634      | -0.126 |
| 212      | 50       | Unbiased            | 12.597     | 12.482      | -0.115 |
| 213      | 50       | Unbiased            | 12.665     | 12.616      | -0.049 |
| 214      | 50       | Unbiased            | 12.684     | 12.652      | -0.032 |
| 1200     | 0        | Correlation         | 12.637     | 12.625      | -0.012 |
| 1201     | 0        | Correlation         | 12.54      | 12.531      | -0.009 |
| 1202     | 0        | Correlation         | 12.339     | 12.34       | 0.001  |
| 1203     | 100      | Biased              | 12.535     | 12.692      | 0.157  |
| 1204     | 100      | Biased              | 12.349     | 12.415      | 0.066  |
| 1205     | 100      | Biased              | 12.766     | 12.87       | 0.104  |
| 1206     | 100      | Biased              | 12.784     | 12.811      | 0.027  |
| 1207     | 100      | Biased              | 12.362     | 12.409      | 0.047  |
| 1208     | 100      | Biased              | 12.57      | 12.667      | 0.097  |
| 1209     | 100      | Unbiased            | 12.371     | 12.386      | 0.015  |
| 1210     | 100      | Unbiased            | 12.443     | 12.553      | 0.11   |
| 1211     | 100      | Unbiased            | 12.76      | 12.67       | -0.09  |
| 1212     | 100      | Unbiased            | 12.597     | 12.696      | 0.099  |
| 1213     | 100      | Unbiased            | 12.665     | 12.658      | -0.007 |
| 1214     | 100      | Unbiased            | 12.684     | 12.731      | 0.047  |

TID vs Post - Pre Exposure Delta

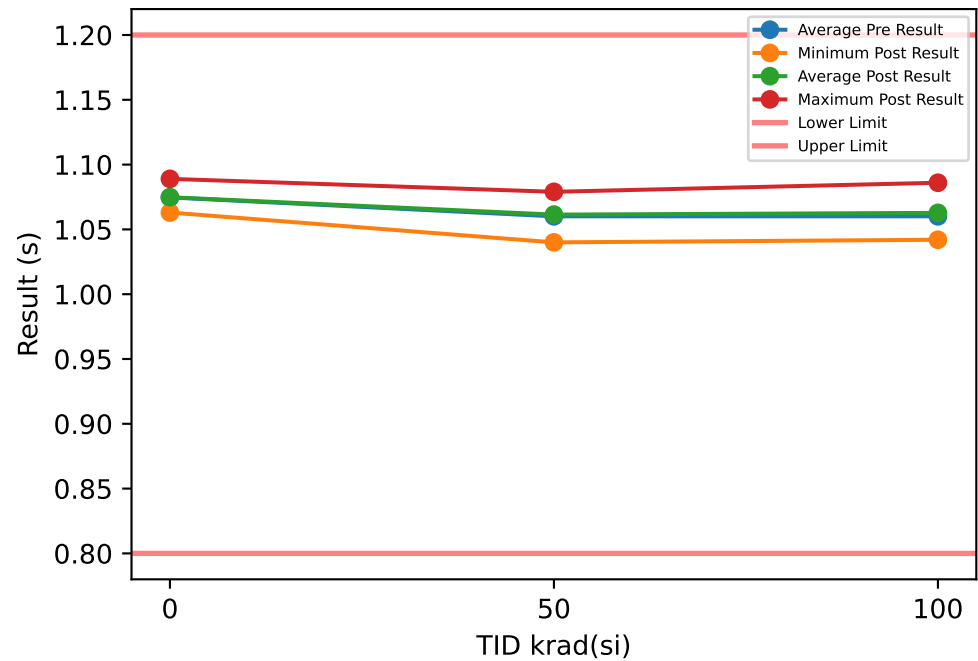


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.339           | 12.505           | 12.637           | 0.13595          | 12.284            | 12.479            | 12.637            | 0.14613           | -0.082    | -0.026167 | 0.001     | 0.034254  |
| 50       | 12.349           | 12.574           | 12.784           | 0.16291          | 12.339            | 12.577            | 12.859            | 0.16353           | -0.126    | 0.0031667 | 0.115     | 0.075832  |
| 100      | 12.349           | 12.574           | 12.784           | 0.16291          | 12.386            | 12.63             | 12.87             | 0.15755           | -0.09     | 0.056     | 0.157     | 0.06538   |

Device Test: 5.64 ; WD\_TMR\_500KOHM

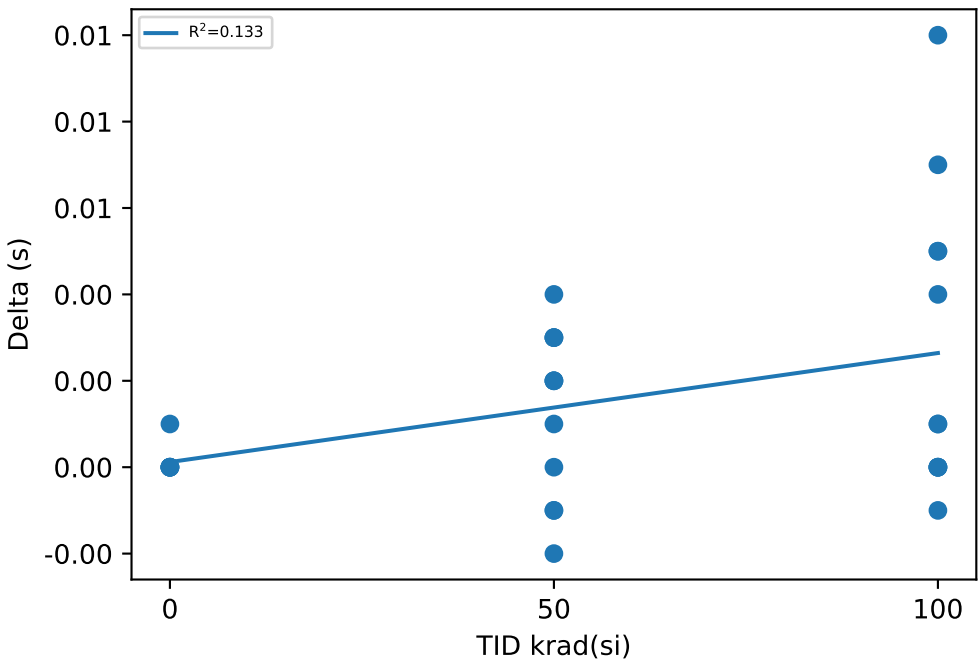
TID vs Result Stats



Test Results (Lower Limit = 0.8, Upper Limit = 1.2 (s))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 1.089      | 1.089       | 0      |
| 201      | 0        | Correlation         | 1.063      | 1.063       | 0      |
| 202      | 0        | Correlation         | 1.072      | 1.072       | 0      |
| 203      | 50       | Biased              | 1.046      | 1.047       | 0.001  |
| 204      | 50       | Biased              | 1.052      | 1.056       | 0.004  |
| 205      | 50       | Biased              | 1.058      | 1.06        | 0.002  |
| 206      | 50       | Biased              | 1.076      | 1.079       | 0.003  |
| 207      | 50       | Biased              | 1.062      | 1.064       | 0.002  |
| 208      | 50       | Biased              | 1.063      | 1.062       | -0.001 |
| 209      | 50       | Unbiased            | 1.055      | 1.058       | 0.003  |
| 210      | 50       | Unbiased            | 1.041      | 1.04        | -0.001 |
| 211      | 50       | Unbiased            | 1.066      | 1.068       | 0.002  |
| 212      | 50       | Unbiased            | 1.078      | 1.078       | 0      |
| 213      | 50       | Unbiased            | 1.061      | 1.059       | -0.002 |
| 214      | 50       | Unbiased            | 1.063      | 1.066       | 0.003  |
| 1200     | 0        | Correlation         | 1.089      | 1.089       | 0      |
| 1201     | 0        | Correlation         | 1.063      | 1.063       | 0      |
| 1202     | 0        | Correlation         | 1.072      | 1.073       | 0.001  |
| 1203     | 100      | Biased              | 1.046      | 1.046       | 0      |
| 1204     | 100      | Biased              | 1.052      | 1.056       | 0.004  |
| 1205     | 100      | Biased              | 1.058      | 1.063       | 0.005  |
| 1206     | 100      | Biased              | 1.076      | 1.086       | 0.01   |
| 1207     | 100      | Biased              | 1.062      | 1.069       | 0.007  |
| 1208     | 100      | Biased              | 1.063      | 1.063       | 0      |
| 1209     | 100      | Unbiased            | 1.055      | 1.06        | 0.005  |
| 1210     | 100      | Unbiased            | 1.041      | 1.042       | 0.001  |
| 1211     | 100      | Unbiased            | 1.066      | 1.066       | 0      |
| 1212     | 100      | Unbiased            | 1.078      | 1.077       | -0.001 |
| 1213     | 100      | Unbiased            | 1.061      | 1.061       | 0      |
| 1214     | 100      | Unbiased            | 1.063      | 1.064       | 0.001  |

TID vs Post - Pre Exposure Delta



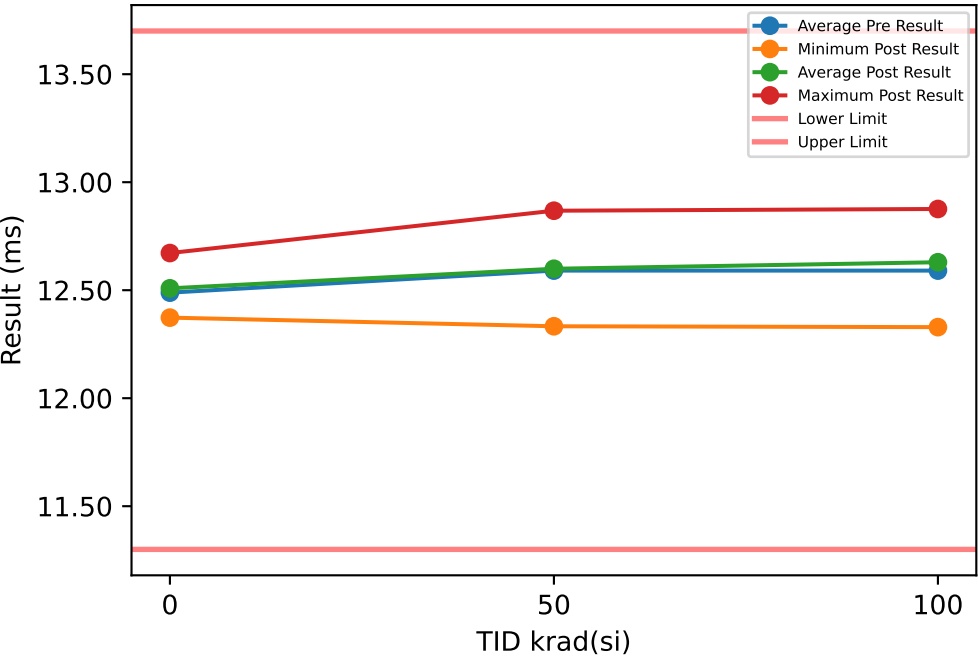
Test Statistics (s)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|------------|
| 0        | 1.063            | 1.0747           | 1.089            | 0.01181          | 1.063             | 1.0748            | 1.089             | 0.011771          | 0         | 0.00016667 | 0.001     | 0.00040825 |
| 50       | 1.041            | 1.0601           | 1.078            | 0.010825         | 1.04              | 1.0614            | 1.079             | 0.011164          | -0.002    | 0.0013333  | 0.004     | 0.0019228  |
| 100      | 1.041            | 1.0601           | 1.078            | 0.010825         | 1.042             | 1.0628            | 1.086             | 0.011917          | -0.001    | 0.0026667  | 0.01      | 0.0034728  |



Device Test: 5.65 ; DLY\_TMR\_500KOHM

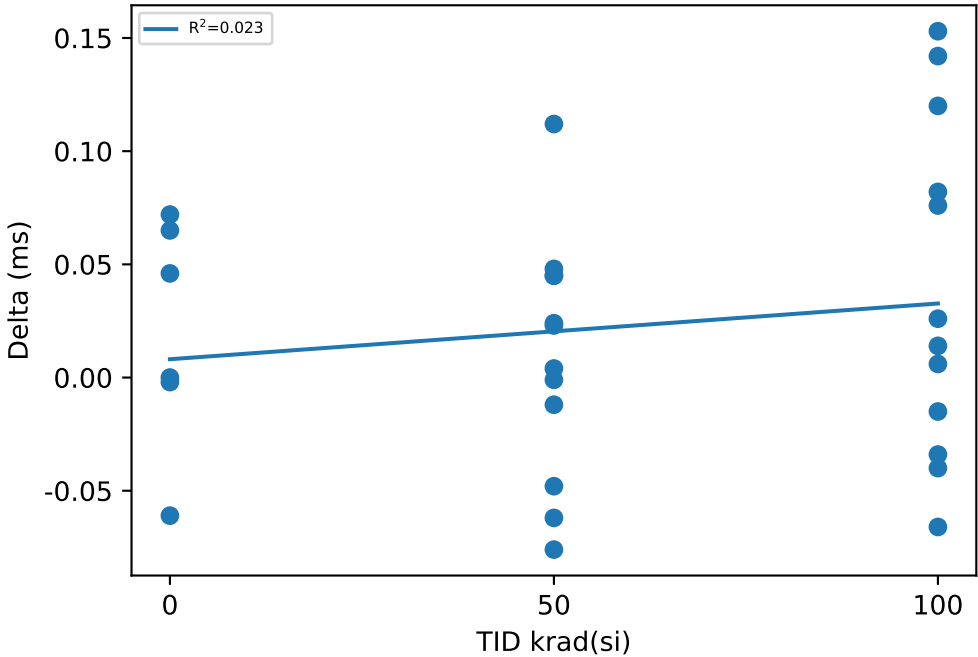
TID vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 12.626     | 12.672      | 0.046  |
| 201      | 0        | Correlation         | 12.532     | 12.53       | -0.002 |
| 202      | 0        | Correlation         | 12.308     | 12.373      | 0.065  |
| 203      | 50       | Biased              | 12.577     | 12.6        | 0.023  |
| 204      | 50       | Biased              | 12.434     | 12.482      | 0.048  |
| 205      | 50       | Biased              | 12.756     | 12.868      | 0.112  |
| 206      | 50       | Biased              | 12.797     | 12.821      | 0.024  |
| 207      | 50       | Biased              | 12.329     | 12.333      | 0.004  |
| 208      | 50       | Biased              | 12.57      | 12.615      | 0.045  |
| 209      | 50       | Unbiased            | 12.395     | 12.394      | -0.001 |
| 210      | 50       | Unbiased            | 12.502     | 12.49       | -0.012 |
| 211      | 50       | Unbiased            | 12.755     | 12.679      | -0.076 |
| 212      | 50       | Unbiased            | 12.516     | 12.561      | 0.045  |
| 213      | 50       | Unbiased            | 12.702     | 12.64       | -0.062 |
| 214      | 50       | Unbiased            | 12.756     | 12.708      | -0.048 |
| 1200     | 0        | Correlation         | 12.626     | 12.626      | 0      |
| 1201     | 0        | Correlation         | 12.532     | 12.471      | -0.061 |
| 1202     | 0        | Correlation         | 12.308     | 12.38       | 0.072  |
| 1203     | 100      | Biased              | 12.577     | 12.73       | 0.153  |
| 1204     | 100      | Biased              | 12.434     | 12.448      | 0.014  |
| 1205     | 100      | Biased              | 12.756     | 12.876      | 0.12   |
| 1206     | 100      | Biased              | 12.797     | 12.873      | 0.076  |
| 1207     | 100      | Biased              | 12.329     | 12.355      | 0.026  |
| 1208     | 100      | Biased              | 12.57      | 12.652      | 0.082  |
| 1209     | 100      | Unbiased            | 12.395     | 12.329      | -0.066 |
| 1210     | 100      | Unbiased            | 12.502     | 12.487      | -0.015 |
| 1211     | 100      | Unbiased            | 12.755     | 12.721      | -0.034 |
| 1212     | 100      | Unbiased            | 12.516     | 12.658      | 0.142  |
| 1213     | 100      | Unbiased            | 12.702     | 12.662      | -0.04  |
| 1214     | 100      | Unbiased            | 12.756     | 12.762      | 0.006  |

TID vs Post - Pre Exposure Delta

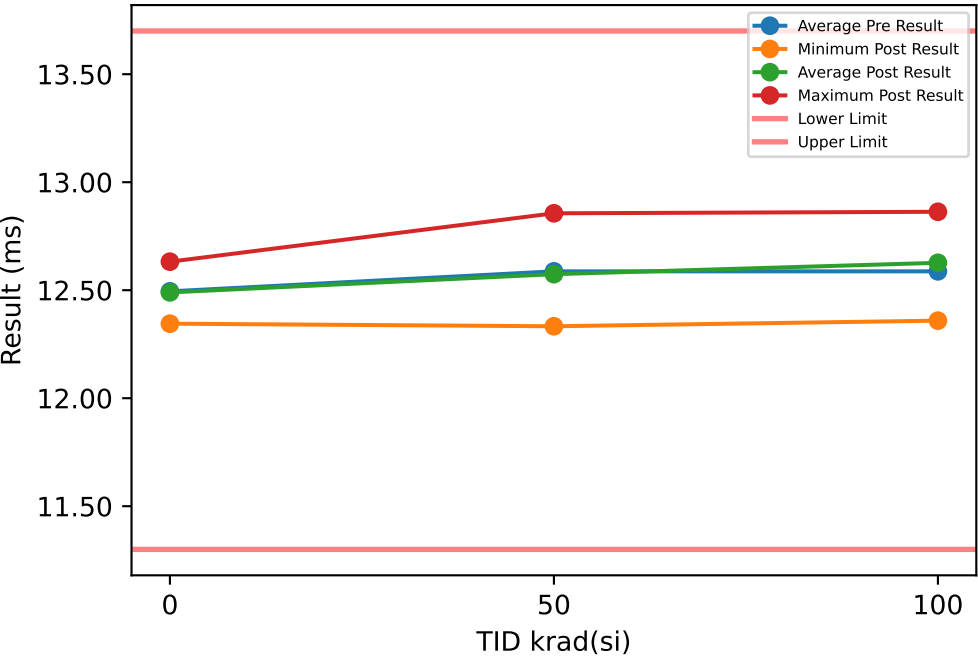


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.308           | 12.489           | 12.626           | 0.14612          | 12.373            | 12.509            | 12.672            | 0.12432           | -0.061    | 0.02      | 0.072     | 0.050695  |
| 50       | 12.329           | 12.591           | 12.797           | 0.16011          | 12.333            | 12.599            | 12.868            | 0.16002           | -0.076    | 0.0085    | 0.112     | 0.053275  |
| 100      | 12.329           | 12.591           | 12.797           | 0.16011          | 12.329            | 12.629            | 12.876            | 0.18522           | -0.066    | 0.038667  | 0.153     | 0.074331  |

Device Test: 5.66 ; DLY\_TMR\_500KOHM

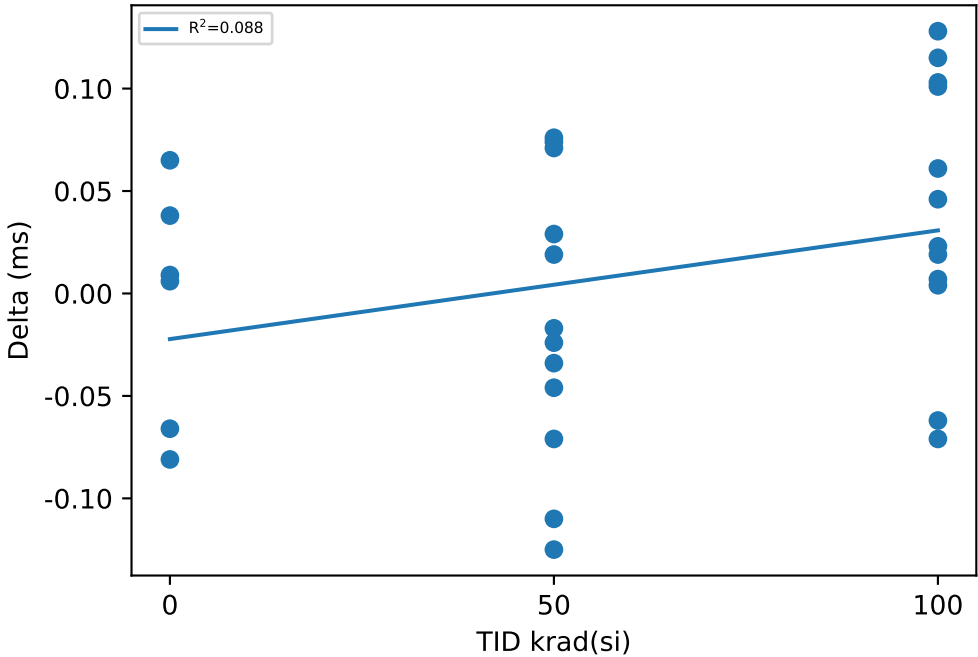
TID vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 12.698     | 12.632      | -0.066 |
| 201      | 0        | Correlation         | 12.45      | 12.456      | 0.006  |
| 202      | 0        | Correlation         | 12.336     | 12.374      | 0.038  |
| 203      | 50       | Biased              | 12.596     | 12.579      | -0.017 |
| 204      | 50       | Biased              | 12.44      | 12.459      | 0.019  |
| 205      | 50       | Biased              | 12.76      | 12.834      | 0.074  |
| 206      | 50       | Biased              | 12.78      | 12.856      | 0.076  |
| 207      | 50       | Biased              | 12.357     | 12.333      | -0.024 |
| 208      | 50       | Biased              | 12.565     | 12.636      | 0.071  |
| 209      | 50       | Unbiased            | 12.421     | 12.35       | -0.071 |
| 210      | 50       | Unbiased            | 12.451     | 12.48       | 0.029  |
| 211      | 50       | Unbiased            | 12.743     | 12.633      | -0.11  |
| 212      | 50       | Unbiased            | 12.601     | 12.476      | -0.125 |
| 213      | 50       | Unbiased            | 12.656     | 12.61       | -0.046 |
| 214      | 50       | Unbiased            | 12.678     | 12.644      | -0.034 |
| 1200     | 0        | Correlation         | 12.698     | 12.617      | -0.081 |
| 1201     | 0        | Correlation         | 12.45      | 12.515      | 0.065  |
| 1202     | 0        | Correlation         | 12.336     | 12.345      | 0.009  |
| 1203     | 100      | Biased              | 12.596     | 12.724      | 0.128  |
| 1204     | 100      | Biased              | 12.44      | 12.447      | 0.007  |
| 1205     | 100      | Biased              | 12.76      | 12.863      | 0.103  |
| 1206     | 100      | Biased              | 12.78      | 12.803      | 0.023  |
| 1207     | 100      | Biased              | 12.357     | 12.403      | 0.046  |
| 1208     | 100      | Biased              | 12.565     | 12.584      | 0.019  |
| 1209     | 100      | Unbiased            | 12.421     | 12.359      | -0.062 |
| 1210     | 100      | Unbiased            | 12.451     | 12.566      | 0.115  |
| 1211     | 100      | Unbiased            | 12.743     | 12.747      | 0.004  |
| 1212     | 100      | Unbiased            | 12.601     | 12.702      | 0.101  |
| 1213     | 100      | Unbiased            | 12.656     | 12.585      | -0.071 |
| 1214     | 100      | Unbiased            | 12.678     | 12.739      | 0.061  |

TID vs Post - Pre Exposure Delta

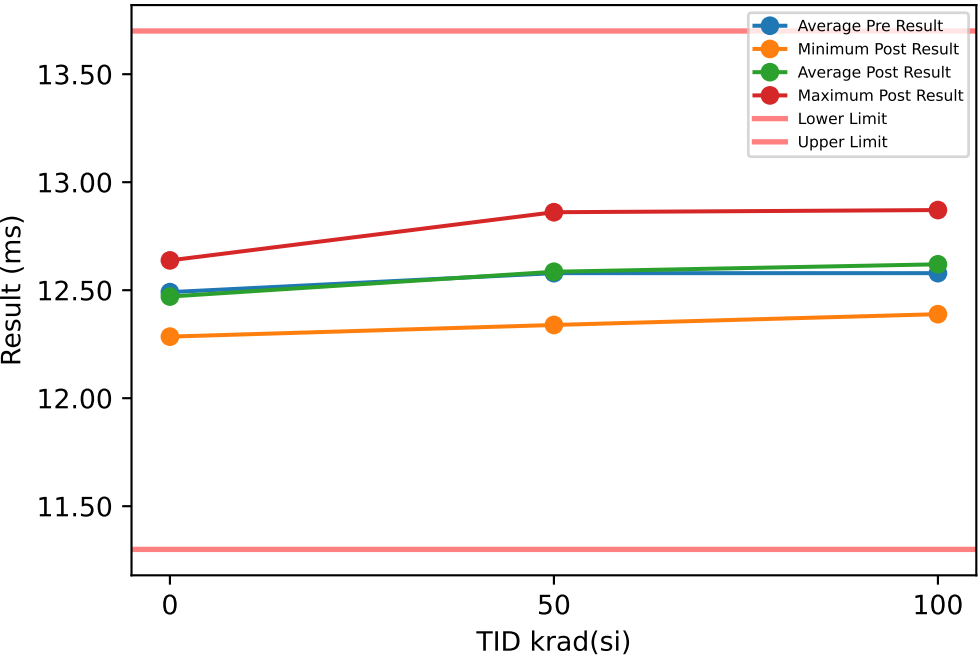


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 12.336           | 12.495           | 12.698           | 0.16555          | 12.345            | 12.49             | 12.632            | 0.12046           | -0.081    | -0.0048333 | 0.065     | 0.057555  |
| 50       | 12.357           | 12.587           | 12.78            | 0.1433           | 12.333            | 12.574            | 12.856            | 0.16531           | -0.125    | -0.013167  | 0.076     | 0.068965  |
| 100      | 12.357           | 12.587           | 12.78            | 0.1433           | 12.359            | 12.627            | 12.863            | 0.16248           | -0.071    | 0.0395     | 0.128     | 0.065625  |

Device Test: 5.67 ; DLY\_TMR\_500KOHM

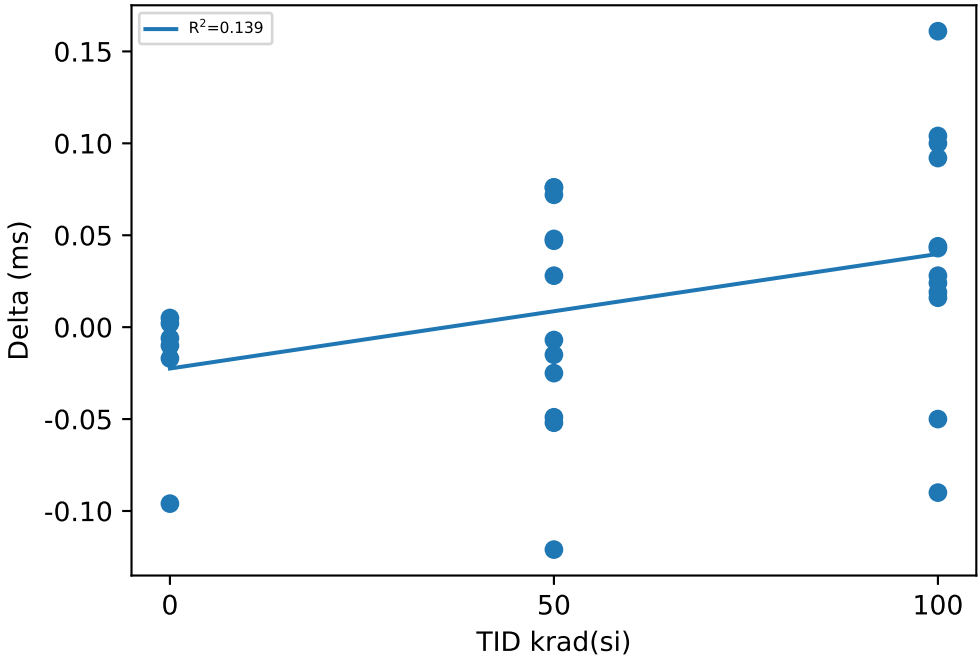
TID vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 12.636     | 12.638      | 0.002  |
| 201      | 0        | Correlation         | 12.456     | 12.461      | 0.005  |
| 202      | 0        | Correlation         | 12.381     | 12.285      | -0.096 |
| 203      | 50       | Biased              | 12.537     | 12.584      | 0.047  |
| 204      | 50       | Biased              | 12.419     | 12.467      | 0.048  |
| 205      | 50       | Biased              | 12.767     | 12.839      | 0.072  |
| 206      | 50       | Biased              | 12.785     | 12.861      | 0.076  |
| 207      | 50       | Biased              | 12.346     | 12.339      | -0.007 |
| 208      | 50       | Biased              | 12.564     | 12.64       | 0.076  |
| 209      | 50       | Unbiased            | 12.372     | 12.357      | -0.015 |
| 210      | 50       | Unbiased            | 12.457     | 12.485      | 0.028  |
| 211      | 50       | Unbiased            | 12.76      | 12.639      | -0.121 |
| 212      | 50       | Unbiased            | 12.595     | 12.546      | -0.049 |
| 213      | 50       | Unbiased            | 12.641     | 12.616      | -0.025 |
| 214      | 50       | Unbiased            | 12.704     | 12.652      | -0.052 |
| 1200     | 0        | Correlation         | 12.636     | 12.626      | -0.01  |
| 1201     | 0        | Correlation         | 12.456     | 12.45       | -0.006 |
| 1202     | 0        | Correlation         | 12.381     | 12.364      | -0.017 |
| 1203     | 100      | Biased              | 12.537     | 12.698      | 0.161  |
| 1204     | 100      | Biased              | 12.419     | 12.435      | 0.016  |
| 1205     | 100      | Biased              | 12.767     | 12.871      | 0.104  |
| 1206     | 100      | Biased              | 12.785     | 12.813      | 0.028  |
| 1207     | 100      | Biased              | 12.346     | 12.389      | 0.043  |
| 1208     | 100      | Biased              | 12.564     | 12.664      | 0.1    |
| 1209     | 100      | Unbiased            | 12.372     | 12.396      | 0.024  |
| 1210     | 100      | Unbiased            | 12.457     | 12.476      | 0.019  |
| 1211     | 100      | Unbiased            | 12.76      | 12.67       | -0.09  |
| 1212     | 100      | Unbiased            | 12.595     | 12.687      | 0.092  |
| 1213     | 100      | Unbiased            | 12.641     | 12.591      | -0.05  |
| 1214     | 100      | Unbiased            | 12.704     | 12.748      | 0.044  |

TID vs Post - Pre Exposure Delta

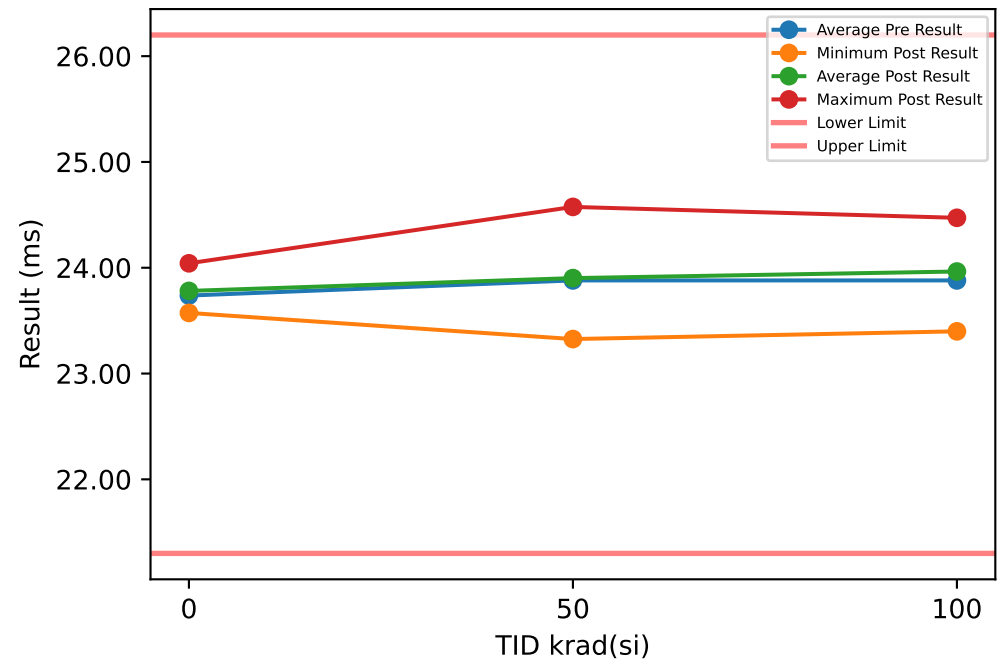


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.381           | 12.491           | 12.636           | 0.11722          | 12.285            | 12.471            | 12.638            | 0.14036           | -0.096    | -0.020333 | 0.005     | 0.037919  |
| 50       | 12.346           | 12.579           | 12.785           | 0.15663          | 12.339            | 12.585            | 12.861            | 0.16238           | -0.121    | 0.0065    | 0.076     | 0.061917  |
| 100      | 12.346           | 12.579           | 12.785           | 0.15663          | 12.389            | 12.62             | 12.871            | 0.16264           | -0.09     | 0.040917  | 0.161     | 0.068406  |

Device Test: 5.68 ; DLY\_TMR\_1MOHM

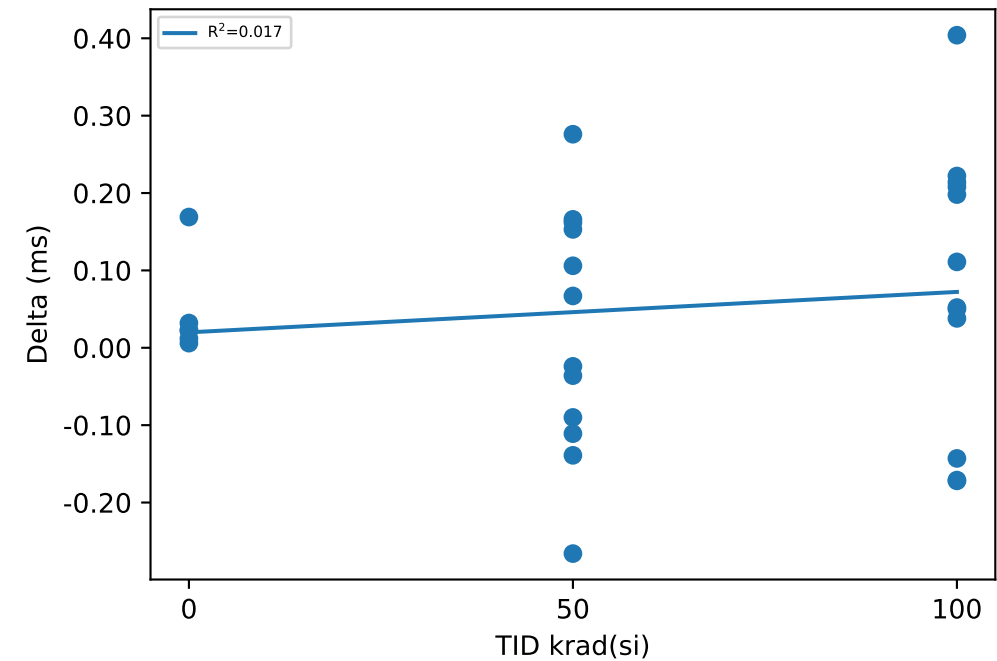
TID vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 24.01      | 24.042      | 0.032  |
| 201      | 0        | Correlation         | 23.634     | 23.657      | 0.023  |
| 202      | 0        | Correlation         | 23.567     | 23.573      | 0.006  |
| 203      | 50       | Biased              | 23.806     | 23.912      | 0.106  |
| 204      | 50       | Biased              | 23.363     | 23.639      | 0.276  |
| 205      | 50       | Biased              | 24.232     | 24.398      | 0.166  |
| 206      | 50       | Biased              | 24.422     | 24.575      | 0.153  |
| 207      | 50       | Biased              | 23.35      | 23.326      | -0.024 |
| 208      | 50       | Biased              | 24.135     | 24.297      | 0.162  |
| 209      | 50       | Unbiased            | 23.542     | 23.506      | -0.036 |
| 210      | 50       | Unbiased            | 23.524     | 23.591      | 0.067  |
| 211      | 50       | Unbiased            | 24.222     | 23.956      | -0.266 |
| 212      | 50       | Unbiased            | 23.704     | 23.593      | -0.111 |
| 213      | 50       | Unbiased            | 24.041     | 23.951      | -0.09  |
| 214      | 50       | Unbiased            | 24.221     | 24.082      | -0.139 |
| 1200     | 0        | Correlation         | 24.01      | 24.022      | 0.012  |
| 1201     | 0        | Correlation         | 23.634     | 23.803      | 0.169  |
| 1202     | 0        | Correlation         | 23.567     | 23.589      | 0.022  |
| 1203     | 100      | Biased              | 23.806     | 24.21       | 0.404  |
| 1204     | 100      | Biased              | 23.363     | 23.577      | 0.214  |
| 1205     | 100      | Biased              | 24.232     | 24.454      | 0.222  |
| 1206     | 100      | Biased              | 24.422     | 24.472      | 0.05   |
| 1207     | 100      | Biased              | 23.35      | 23.461      | 0.111  |
| 1208     | 100      | Biased              | 24.135     | 24.173      | 0.038  |
| 1209     | 100      | Unbiased            | 23.542     | 23.399      | -0.143 |
| 1210     | 100      | Unbiased            | 23.524     | 23.722      | 0.198  |
| 1211     | 100      | Unbiased            | 24.222     | 24.05       | -0.172 |
| 1212     | 100      | Unbiased            | 23.704     | 23.912      | 0.208  |
| 1213     | 100      | Unbiased            | 24.041     | 23.87       | -0.171 |
| 1214     | 100      | Unbiased            | 24.221     | 24.273      | 0.052  |

TID vs Post - Pre Exposure Delta

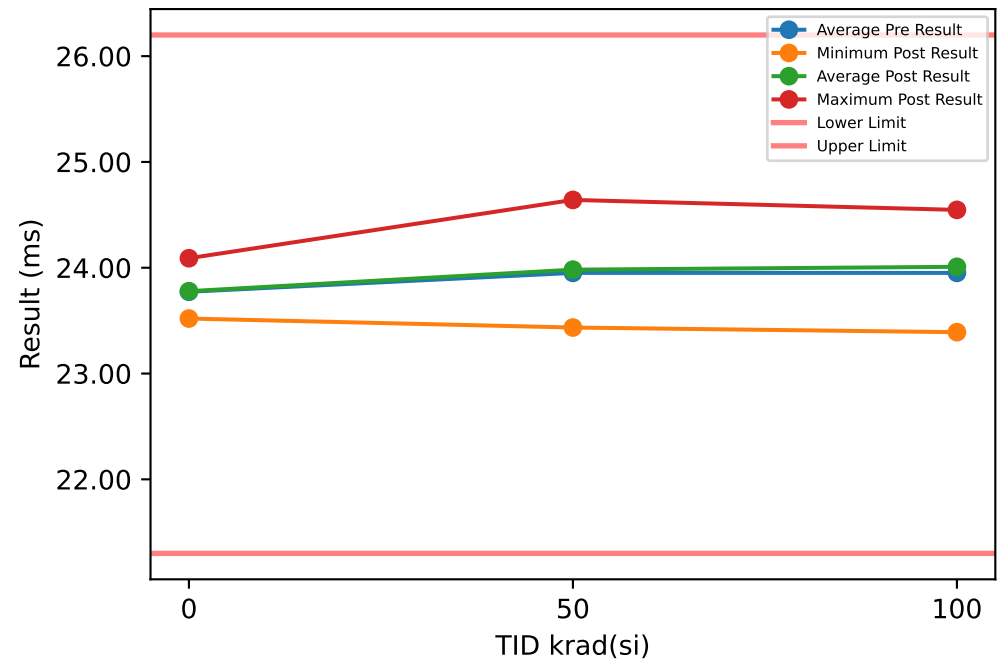


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 23.567           | 23.737           | 24.01            | 0.21358          | 23.573            | 23.781            | 24.042            | 0.2108            | 0.006     | 0.044     | 0.169     | 0.061906  |
| 50       | 23.35            | 23.88            | 24.422           | 0.37749          | 23.326            | 23.902            | 24.575            | 0.38645           | -0.266    | 0.022     | 0.276     | 0.15831   |
| 100      | 23.35            | 23.88            | 24.422           | 0.37749          | 23.399            | 23.964            | 24.472            | 0.36895           | -0.172    | 0.08425   | 0.404     | 0.17935   |

Device Test: 5.69 ; DLY\_TMR\_1MOHM

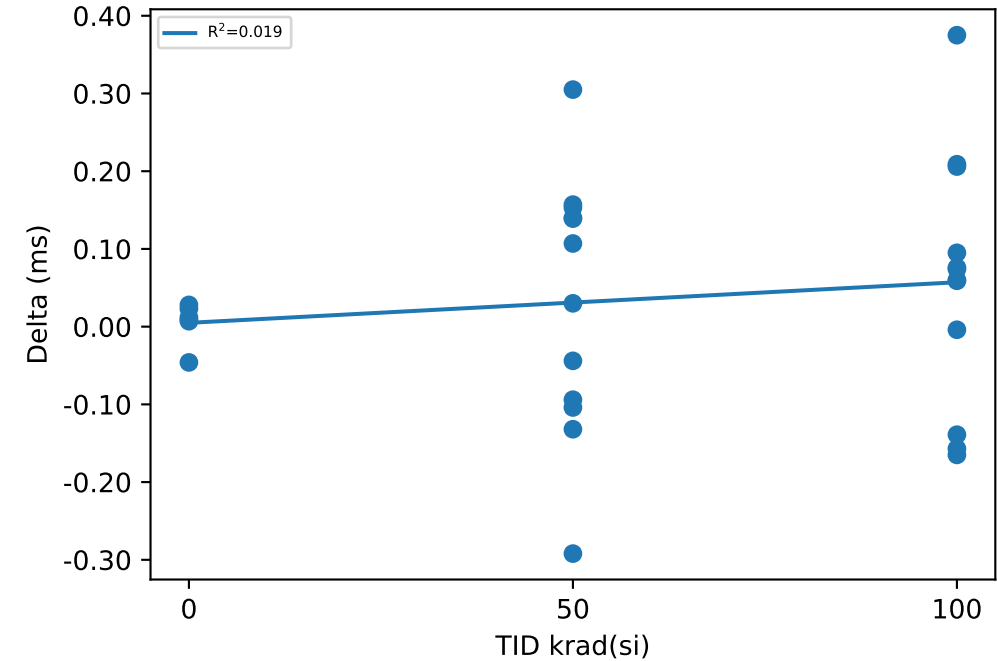
TID vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 24.081     | 24.035      | -0.046 |
| 201      | 0        | Correlation         | 23.73      | 23.753      | 0.023  |
| 202      | 0        | Correlation         | 23.508     | 23.536      | 0.028  |
| 203      | 50       | Biased              | 23.902     | 24.009      | 0.107  |
| 204      | 50       | Biased              | 23.434     | 23.739      | 0.305  |
| 205      | 50       | Biased              | 24.323     | 24.463      | 0.14   |
| 206      | 50       | Biased              | 24.488     | 24.641      | 0.153  |
| 207      | 50       | Biased              | 23.296     | 23.435      | 0.139  |
| 208      | 50       | Biased              | 24.188     | 24.345      | 0.157  |
| 209      | 50       | Unbiased            | 23.65      | 23.606      | -0.044 |
| 210      | 50       | Unbiased            | 23.657     | 23.687      | 0.03   |
| 211      | 50       | Unbiased            | 24.304     | 24.012      | -0.292 |
| 212      | 50       | Unbiased            | 23.797     | 23.693      | -0.104 |
| 213      | 50       | Unbiased            | 24.107     | 24.013      | -0.094 |
| 214      | 50       | Unbiased            | 24.271     | 24.139      | -0.132 |
| 1200     | 0        | Correlation         | 24.081     | 24.09       | 0.009  |
| 1201     | 0        | Correlation         | 23.73      | 23.737      | 0.007  |
| 1202     | 0        | Correlation         | 23.508     | 23.52       | 0.012  |
| 1203     | 100      | Biased              | 23.902     | 24.277      | 0.375  |
| 1204     | 100      | Biased              | 23.434     | 23.51       | 0.076  |
| 1205     | 100      | Biased              | 24.323     | 24.529      | 0.206  |
| 1206     | 100      | Biased              | 24.488     | 24.547      | 0.059  |
| 1207     | 100      | Biased              | 23.296     | 23.391      | 0.095  |
| 1208     | 100      | Biased              | 24.188     | 24.248      | 0.06   |
| 1209     | 100      | Unbiased            | 23.65      | 23.493      | -0.157 |
| 1210     | 100      | Unbiased            | 23.657     | 23.653      | -0.004 |
| 1211     | 100      | Unbiased            | 24.304     | 24.139      | -0.165 |
| 1212     | 100      | Unbiased            | 23.797     | 24.006      | 0.209  |
| 1213     | 100      | Unbiased            | 24.107     | 23.968      | -0.139 |
| 1214     | 100      | Unbiased            | 24.271     | 24.345      | 0.074  |

TID vs Post - Pre Exposure Delta

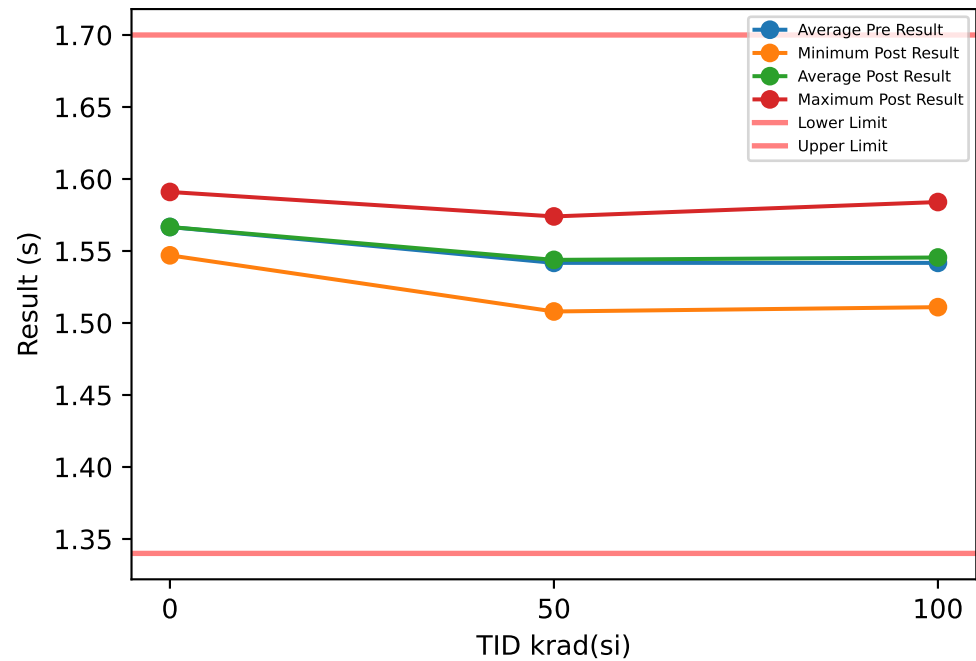


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 23.508           | 23.773           | 24.081           | 0.25841          | 23.52             | 23.778            | 24.09             | 0.24117           | -0.046    | 0.0055    | 0.028     | 0.026539  |
| 50       | 23.296           | 23.951           | 24.488           | 0.38538          | 23.435            | 23.982            | 24.641            | 0.36864           | -0.292    | 0.030417  | 0.305     | 0.16666   |
| 100      | 23.296           | 23.951           | 24.488           | 0.38538          | 23.391            | 24.009            | 24.547            | 0.40946           | -0.165    | 0.057417  | 0.375     | 0.16117   |

Device Test: 5.70 ; WD\_TMR\_1MOHM

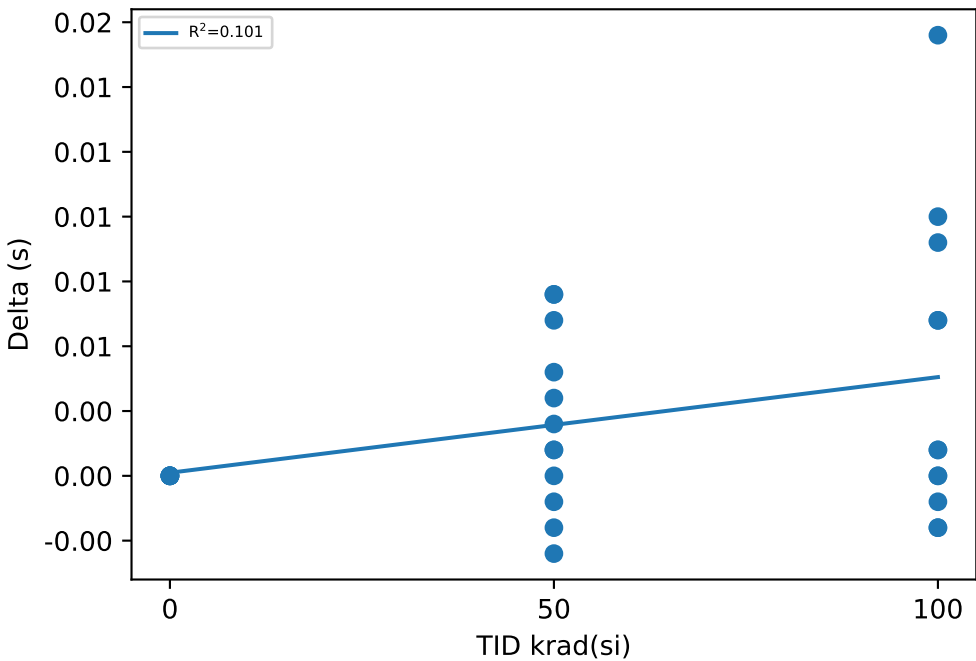
TID vs Result Stats



Test Results (Lower Limit = 1.34, Upper Limit = 1.7 (s))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 1.591      | 1.591       | 0      |
| 201      | 0        | Correlation         | 1.547      | 1.547       | 0      |
| 202      | 0        | Correlation         | 1.562      | 1.562       | 0      |
| 203      | 50       | Biased              | 1.517      | 1.518       | 0.001  |
| 204      | 50       | Biased              | 1.53       | 1.537       | 0.007  |
| 205      | 50       | Biased              | 1.541      | 1.542       | 0.001  |
| 206      | 50       | Biased              | 1.567      | 1.574       | 0.007  |
| 207      | 50       | Biased              | 1.544      | 1.546       | 0.002  |
| 208      | 50       | Biased              | 1.546      | 1.545       | -0.001 |
| 209      | 50       | Unbiased            | 1.534      | 1.54        | 0.006  |
| 210      | 50       | Unbiased            | 1.51       | 1.508       | -0.002 |
| 211      | 50       | Unbiased            | 1.55       | 1.553       | 0.003  |
| 212      | 50       | Unbiased            | 1.572      | 1.572       | 0      |
| 213      | 50       | Unbiased            | 1.544      | 1.541       | -0.003 |
| 214      | 50       | Unbiased            | 1.546      | 1.55        | 0.004  |
| 1200     | 0        | Correlation         | 1.591      | 1.591       | 0      |
| 1201     | 0        | Correlation         | 1.547      | 1.547       | 0      |
| 1202     | 0        | Correlation         | 1.562      | 1.562       | 0      |
| 1203     | 100      | Biased              | 1.517      | 1.517       | 0      |
| 1204     | 100      | Biased              | 1.53       | 1.536       | 0.006  |
| 1205     | 100      | Biased              | 1.541      | 1.547       | 0.006  |
| 1206     | 100      | Biased              | 1.567      | 1.584       | 0.017  |
| 1207     | 100      | Biased              | 1.544      | 1.554       | 0.01   |
| 1208     | 100      | Biased              | 1.546      | 1.546       | 0      |
| 1209     | 100      | Unbiased            | 1.534      | 1.543       | 0.009  |
| 1210     | 100      | Unbiased            | 1.51       | 1.511       | 0.001  |
| 1211     | 100      | Unbiased            | 1.55       | 1.549       | -0.001 |
| 1212     | 100      | Unbiased            | 1.572      | 1.57        | -0.002 |
| 1213     | 100      | Unbiased            | 1.544      | 1.542       | -0.002 |
| 1214     | 100      | Unbiased            | 1.546      | 1.547       | 0.001  |

TID vs Post - Pre Exposure Delta



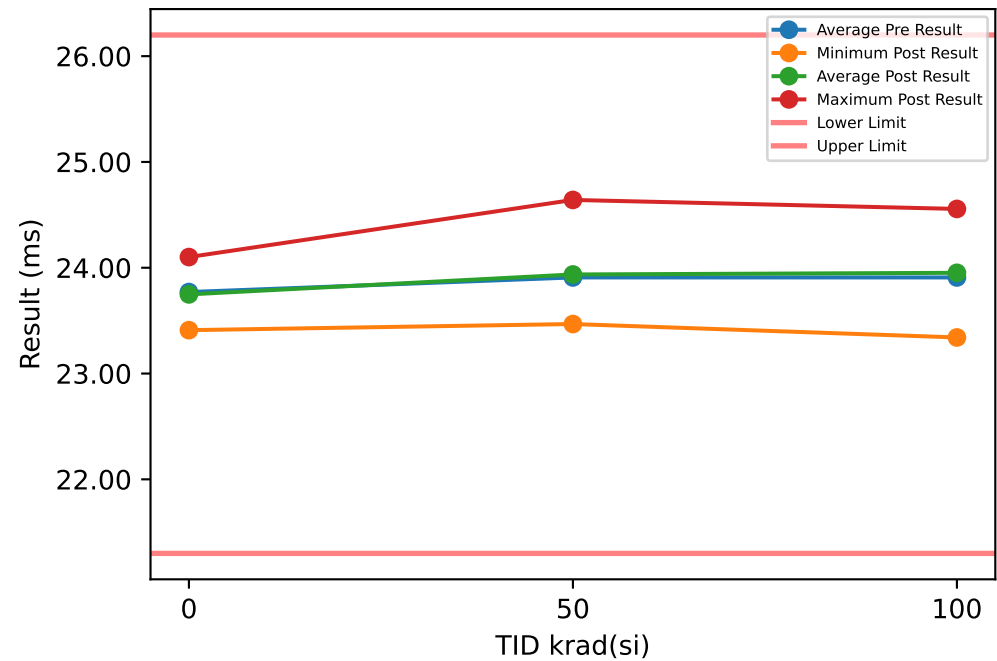
Test Statistics (s)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 1.547            | 1.5667           | 1.591            | 0.020007         | 1.547             | 1.5667            | 1.591             | 0.020007          | 0         | 0         | 0         | 0         |
| 50       | 1.51             | 1.5418           | 1.572            | 0.017803         | 1.508             | 1.5438            | 1.574             | 0.018722          | -0.003    | 0.0020833 | 0.007     | 0.0033967 |
| 100      | 1.51             | 1.5418           | 1.572            | 0.017803         | 1.511             | 1.5455            | 1.584             | 0.019732          | -0.002    | 0.00375   | 0.017     | 0.0059103 |



Device Test: 5.71 ; DLY\_TMR\_1MOHM

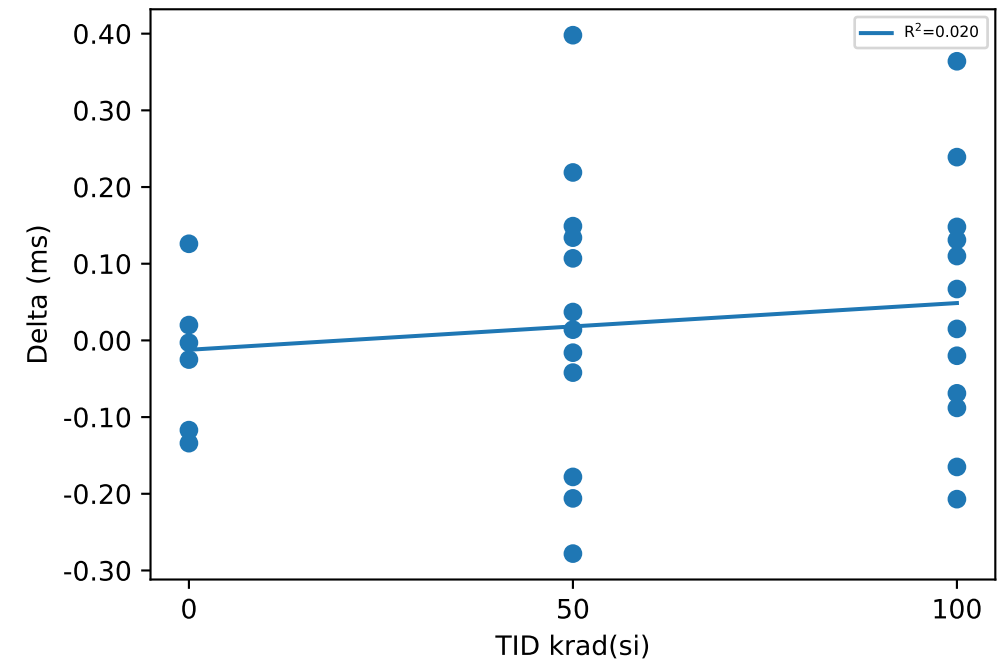
TID vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 24.126     | 24.101      | -0.025 |
| 201      | 0        | Correlation         | 23.658     | 23.784      | 0.126  |
| 202      | 0        | Correlation         | 23.527     | 23.41       | -0.117 |
| 203      | 50       | Biased              | 23.802     | 23.936      | 0.134  |
| 204      | 50       | Biased              | 23.379     | 23.777      | 0.398  |
| 205      | 50       | Biased              | 24.317     | 24.354      | 0.037  |
| 206      | 50       | Biased              | 24.422     | 24.641      | 0.219  |
| 207      | 50       | Biased              | 23.361     | 23.468      | 0.107  |
| 208      | 50       | Biased              | 24.205     | 24.219      | 0.014  |
| 209      | 50       | Unbiased            | 23.544     | 23.528      | -0.016 |
| 210      | 50       | Unbiased            | 23.561     | 23.71       | 0.149  |
| 211      | 50       | Unbiased            | 24.255     | 23.977      | -0.278 |
| 212      | 50       | Unbiased            | 23.832     | 23.654      | -0.178 |
| 213      | 50       | Unbiased            | 24.084     | 23.878      | -0.206 |
| 214      | 50       | Unbiased            | 24.138     | 24.096      | -0.042 |
| 1200     | 0        | Correlation         | 24.126     | 23.992      | -0.134 |
| 1201     | 0        | Correlation         | 23.658     | 23.678      | 0.02   |
| 1202     | 0        | Correlation         | 23.527     | 23.524      | -0.003 |
| 1203     | 100      | Biased              | 23.802     | 24.166      | 0.364  |
| 1204     | 100      | Biased              | 23.379     | 23.51       | 0.131  |
| 1205     | 100      | Biased              | 24.317     | 24.556      | 0.239  |
| 1206     | 100      | Biased              | 24.422     | 24.437      | 0.015  |
| 1207     | 100      | Biased              | 23.361     | 23.341      | -0.02  |
| 1208     | 100      | Biased              | 24.205     | 24.117      | -0.088 |
| 1209     | 100      | Unbiased            | 23.544     | 23.379      | -0.165 |
| 1210     | 100      | Unbiased            | 23.561     | 23.628      | 0.067  |
| 1211     | 100      | Unbiased            | 24.255     | 24.048      | -0.207 |
| 1212     | 100      | Unbiased            | 23.832     | 23.942      | 0.11   |
| 1213     | 100      | Unbiased            | 24.084     | 24.015      | -0.069 |
| 1214     | 100      | Unbiased            | 24.138     | 24.286      | 0.148  |

TID vs Post - Pre Exposure Delta

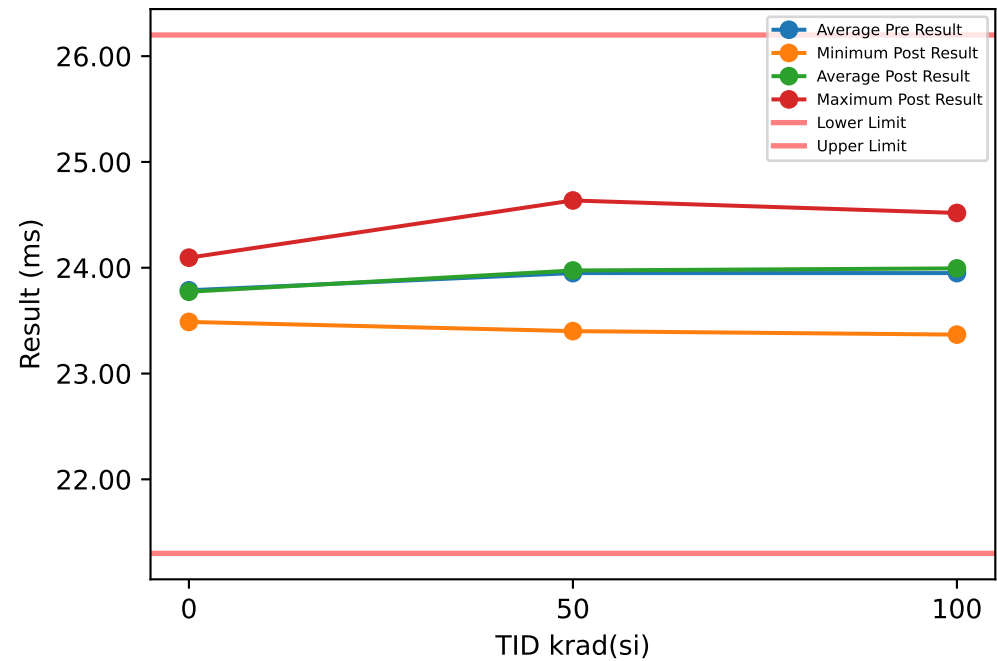


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 23.527           | 23.77            | 24.126           | 0.28166          | 23.41             | 23.748            | 24.101            | 0.26637           | -0.134    | -0.022167 | 0.126     | 0.095506  |
| 50       | 23.361           | 23.908           | 24.422           | 0.37815          | 23.468            | 23.936            | 24.641            | 0.34691           | -0.278    | 0.028167  | 0.398     | 0.19151   |
| 100      | 23.361           | 23.908           | 24.422           | 0.37815          | 23.341            | 23.952            | 24.556            | 0.40451           | -0.207    | 0.04375   | 0.364     | 0.16665   |

Device Test: 5.72 ; DLY\_TMR\_1MOHM

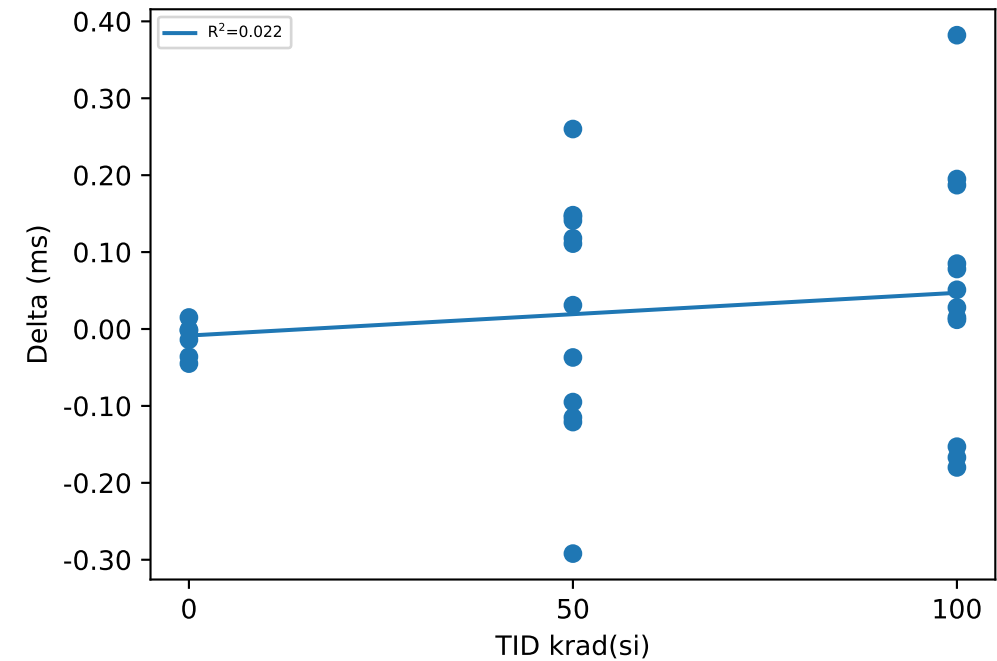
TID vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 24.096     | 24.095      | -0.001 |
| 201      | 0        | Correlation         | 23.732     | 23.747      | 0.015  |
| 202      | 0        | Correlation         | 23.533     | 23.531      | -0.002 |
| 203      | 50       | Biased              | 23.886     | 24.004      | 0.118  |
| 204      | 50       | Biased              | 23.474     | 23.734      | 0.26   |
| 205      | 50       | Biased              | 24.318     | 24.459      | 0.141  |
| 206      | 50       | Biased              | 24.49      | 24.636      | 0.146  |
| 207      | 50       | Biased              | 23.29      | 23.401      | 0.111  |
| 208      | 50       | Biased              | 24.19      | 24.338      | 0.148  |
| 209      | 50       | Unbiased            | 23.636     | 23.599      | -0.037 |
| 210      | 50       | Unbiased            | 23.65      | 23.681      | 0.031  |
| 211      | 50       | Unbiased            | 24.299     | 24.007      | -0.292 |
| 212      | 50       | Unbiased            | 23.804     | 23.689      | -0.115 |
| 213      | 50       | Unbiased            | 24.105     | 24.01       | -0.095 |
| 214      | 50       | Unbiased            | 24.253     | 24.132      | -0.121 |
| 1200     | 0        | Correlation         | 24.096     | 24.06       | -0.036 |
| 1201     | 0        | Correlation         | 23.732     | 23.718      | -0.014 |
| 1202     | 0        | Correlation         | 23.533     | 23.488      | -0.045 |
| 1203     | 100      | Biased              | 23.886     | 24.268      | 0.382  |
| 1204     | 100      | Biased              | 23.474     | 23.486      | 0.012  |
| 1205     | 100      | Biased              | 24.318     | 24.513      | 0.195  |
| 1206     | 100      | Biased              | 24.49      | 24.518      | 0.028  |
| 1207     | 100      | Biased              | 23.29      | 23.368      | 0.078  |
| 1208     | 100      | Biased              | 24.19      | 24.241      | 0.051  |
| 1209     | 100      | Unbiased            | 23.636     | 23.456      | -0.18  |
| 1210     | 100      | Unbiased            | 23.65      | 23.665      | 0.015  |
| 1211     | 100      | Unbiased            | 24.299     | 24.132      | -0.167 |
| 1212     | 100      | Unbiased            | 23.804     | 23.991      | 0.187  |
| 1213     | 100      | Unbiased            | 24.105     | 23.952      | -0.153 |
| 1214     | 100      | Unbiased            | 24.253     | 24.338      | 0.085  |

TID vs Post - Pre Exposure Delta

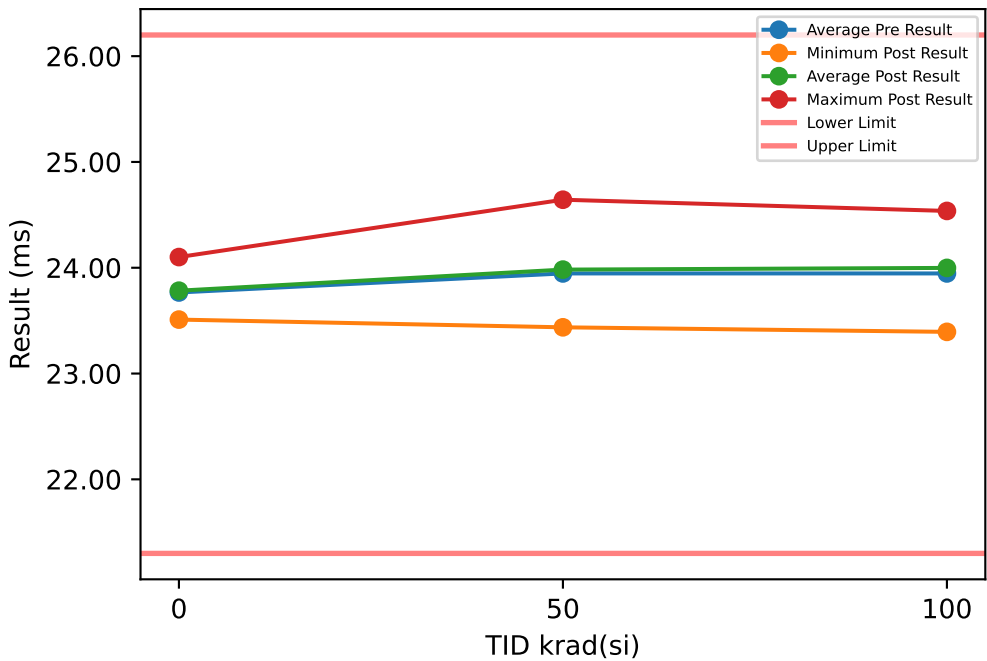


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 23.533           | 23.787           | 24.096           | 0.25536          | 23.488            | 23.773            | 24.095            | 0.25673           | -0.045    | -0.013833 | 0.015     | 0.022798  |
| 50       | 23.29            | 23.95            | 24.49            | 0.3812           | 23.401            | 23.974            | 24.636            | 0.37269           | -0.292    | 0.024583  | 0.26      | 0.15788   |
| 100      | 23.29            | 23.95            | 24.49            | 0.3812           | 23.368            | 23.994            | 24.518            | 0.41196           | -0.18     | 0.044417  | 0.382     | 0.16404   |

Device Test: 5.73 ; DLY\_TMR\_1MOHM

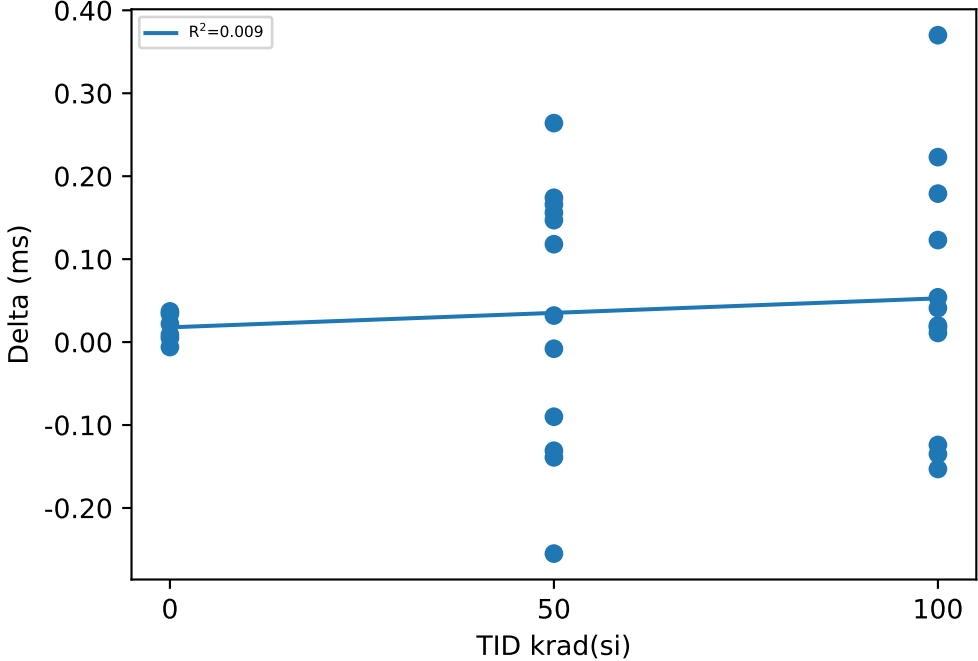
TID vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 24.079     | 24.101      | 0.022  |
| 201      | 0        | Correlation         | 23.715     | 23.752      | 0.037  |
| 202      | 0        | Correlation         | 23.505     | 23.539      | 0.034  |
| 203      | 50       | Biased              | 23.89      | 24.008      | 0.118  |
| 204      | 50       | Biased              | 23.477     | 23.741      | 0.264  |
| 205      | 50       | Biased              | 24.307     | 24.463      | 0.156  |
| 206      | 50       | Biased              | 24.496     | 24.643      | 0.147  |
| 207      | 50       | Biased              | 23.271     | 23.437      | 0.166  |
| 208      | 50       | Biased              | 24.171     | 24.345      | 0.174  |
| 209      | 50       | Unbiased            | 23.615     | 23.607      | -0.008 |
| 210      | 50       | Unbiased            | 23.656     | 23.688      | 0.032  |
| 211      | 50       | Unbiased            | 24.277     | 24.022      | -0.255 |
| 212      | 50       | Unbiased            | 23.811     | 23.68       | -0.131 |
| 213      | 50       | Unbiased            | 24.104     | 24.014      | -0.09  |
| 214      | 50       | Unbiased            | 24.28      | 24.141      | -0.139 |
| 1200     | 0        | Correlation         | 24.079     | 24.088      | 0.009  |
| 1201     | 0        | Correlation         | 23.715     | 23.709      | -0.006 |
| 1202     | 0        | Correlation         | 23.505     | 23.51       | 0.005  |
| 1203     | 100      | Biased              | 23.89      | 24.26       | 0.37   |
| 1204     | 100      | Biased              | 23.477     | 23.488      | 0.011  |
| 1205     | 100      | Biased              | 24.307     | 24.53       | 0.223  |
| 1206     | 100      | Biased              | 24.496     | 24.537      | 0.041  |
| 1207     | 100      | Biased              | 23.271     | 23.394      | 0.123  |
| 1208     | 100      | Biased              | 24.171     | 24.225      | 0.054  |
| 1209     | 100      | Unbiased            | 23.615     | 23.491      | -0.124 |
| 1210     | 100      | Unbiased            | 23.656     | 23.674      | 0.018  |
| 1211     | 100      | Unbiased            | 24.277     | 24.142      | -0.135 |
| 1212     | 100      | Unbiased            | 23.811     | 23.99       | 0.179  |
| 1213     | 100      | Unbiased            | 24.104     | 23.951      | -0.153 |
| 1214     | 100      | Unbiased            | 24.28      | 24.3        | 0.02   |

TID vs Post - Pre Exposure Delta

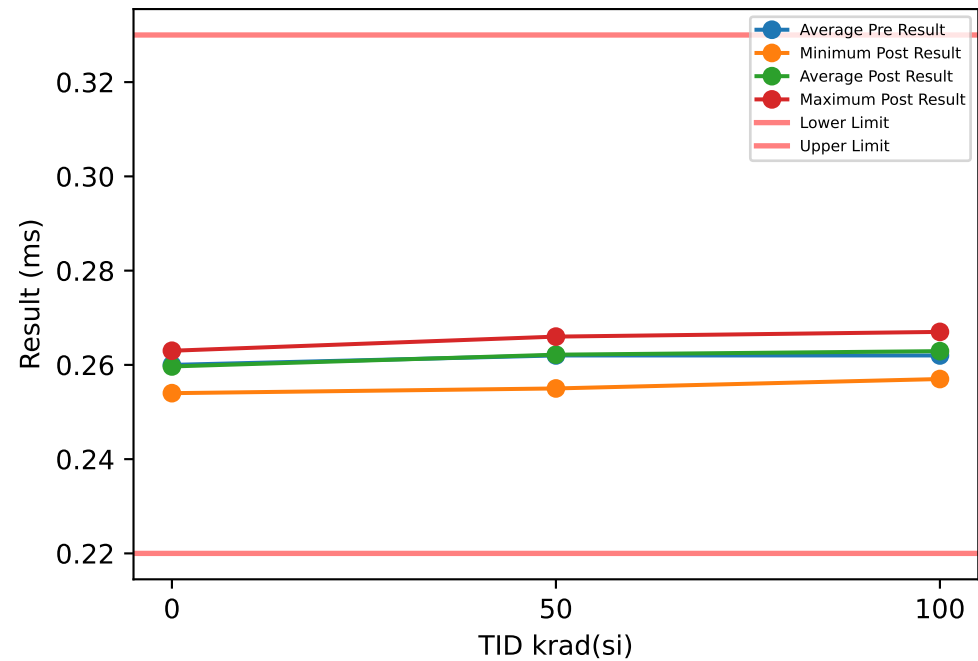


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 23.505           | 23.766           | 24.079           | 0.25976          | 23.51             | 23.783            | 24.101            | 0.25871           | -0.006    | 0.016833  | 0.037     | 0.017034  |
| 50       | 23.271           | 23.946           | 24.496           | 0.38378          | 23.437            | 23.982            | 24.643            | 0.36952           | -0.255    | 0.036167  | 0.264     | 0.16023   |
| 100      | 23.271           | 23.946           | 24.496           | 0.38378          | 23.394            | 23.998            | 24.537            | 0.40394           | -0.153    | 0.05225   | 0.37      | 0.15477   |

Device Test: 5.74 ; DLY\_TMR\_10KOHM

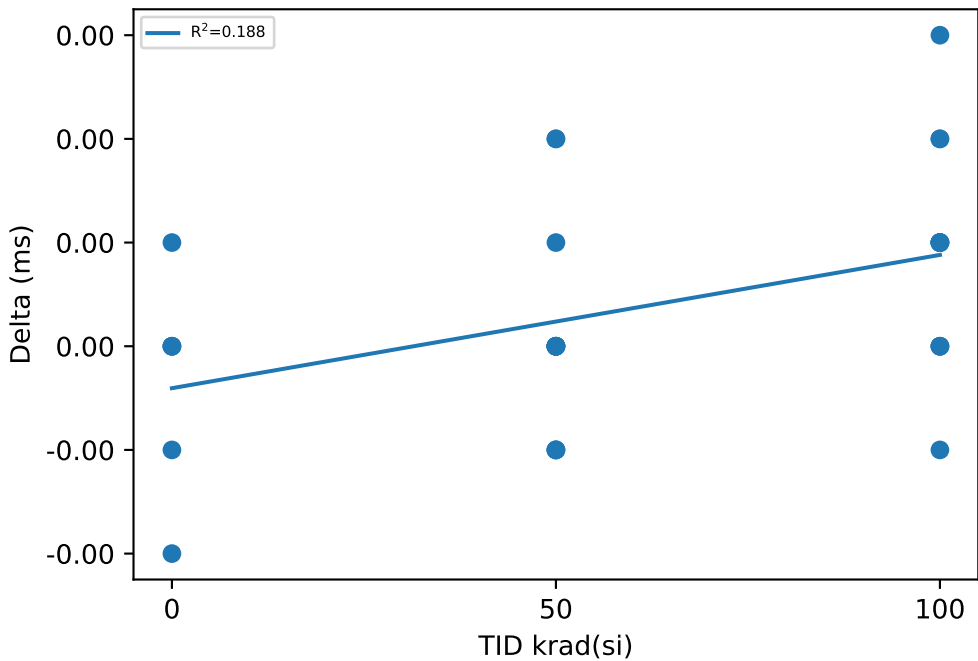
TID vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.263      | 0.263       | 0      |
| 201      | 0        | Correlation         | 0.262      | 0.26        | -0.002 |
| 202      | 0        | Correlation         | 0.255      | 0.254       | -0.001 |
| 203      | 50       | Biased              | 0.262      | 0.261       | -0.001 |
| 204      | 50       | Biased              | 0.262      | 0.261       | -0.001 |
| 205      | 50       | Biased              | 0.264      | 0.266       | 0.002  |
| 206      | 50       | Biased              | 0.264      | 0.264       | 0      |
| 207      | 50       | Biased              | 0.262      | 0.263       | 0.001  |
| 208      | 50       | Biased              | 0.255      | 0.255       | 0      |
| 209      | 50       | Unbiased            | 0.255      | 0.257       | 0.002  |
| 210      | 50       | Unbiased            | 0.263      | 0.263       | 0      |
| 211      | 50       | Unbiased            | 0.266      | 0.265       | -0.001 |
| 212      | 50       | Unbiased            | 0.263      | 0.263       | 0      |
| 213      | 50       | Unbiased            | 0.265      | 0.265       | 0      |
| 214      | 50       | Unbiased            | 0.263      | 0.263       | 0      |
| 1200     | 0        | Correlation         | 0.263      | 0.263       | 0      |
| 1201     | 0        | Correlation         | 0.262      | 0.263       | 0.001  |
| 1202     | 0        | Correlation         | 0.255      | 0.255       | 0      |
| 1203     | 100      | Biased              | 0.262      | 0.263       | 0.001  |
| 1204     | 100      | Biased              | 0.262      | 0.263       | 0.001  |
| 1205     | 100      | Biased              | 0.264      | 0.267       | 0.003  |
| 1206     | 100      | Biased              | 0.264      | 0.263       | -0.001 |
| 1207     | 100      | Biased              | 0.262      | 0.263       | 0.001  |
| 1208     | 100      | Biased              | 0.255      | 0.257       | 0.002  |
| 1209     | 100      | Unbiased            | 0.255      | 0.257       | 0.002  |
| 1210     | 100      | Unbiased            | 0.263      | 0.263       | 0      |
| 1211     | 100      | Unbiased            | 0.266      | 0.266       | 0      |
| 1212     | 100      | Unbiased            | 0.263      | 0.264       | 0.001  |
| 1213     | 100      | Unbiased            | 0.265      | 0.266       | 0.001  |
| 1214     | 100      | Unbiased            | 0.263      | 0.263       | 0      |

TID vs Post - Pre Exposure Delta

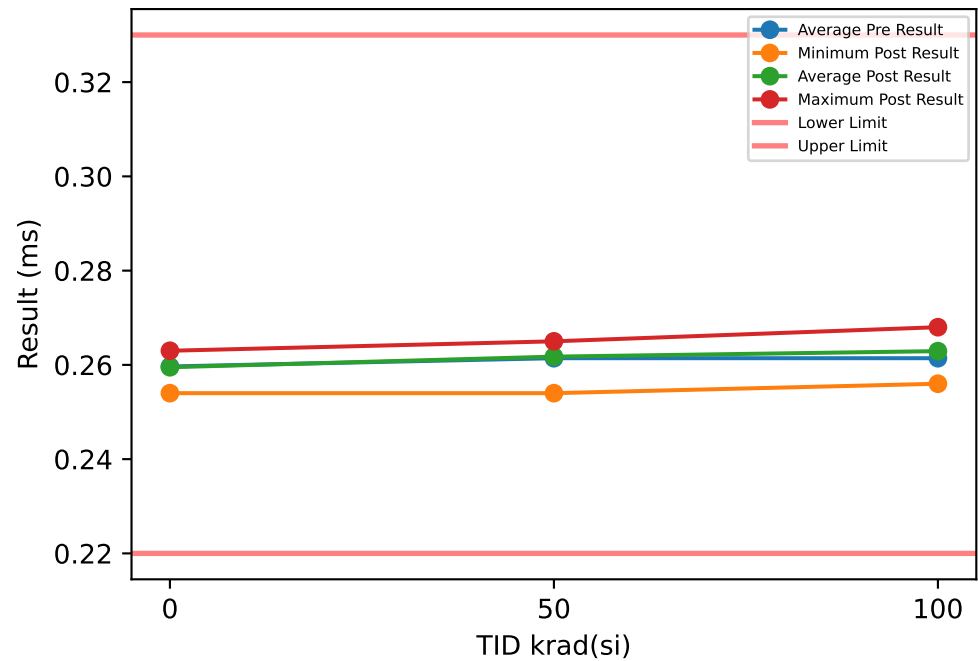


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|-----------|
| 0        | 0.255            | 0.26             | 0.263            | 0.0038987        | 0.254             | 0.25967           | 0.263             | 0.0041793         | -0.002    | -0.00033333 | 0.001     | 0.0010328 |
| 50       | 0.255            | 0.262            | 0.266            | 0.0034902        | 0.255             | 0.26217           | 0.266             | 0.0032706         | -0.001    | 0.00016667  | 0.002     | 0.0010299 |
| 100      | 0.255            | 0.262            | 0.266            | 0.0034902        | 0.257             | 0.26292           | 0.267             | 0.0031176         | -0.001    | 0.00091667  | 0.003     | 0.0010836 |

Device Test: 5.75 ; DLY\_TMR\_10KOHM

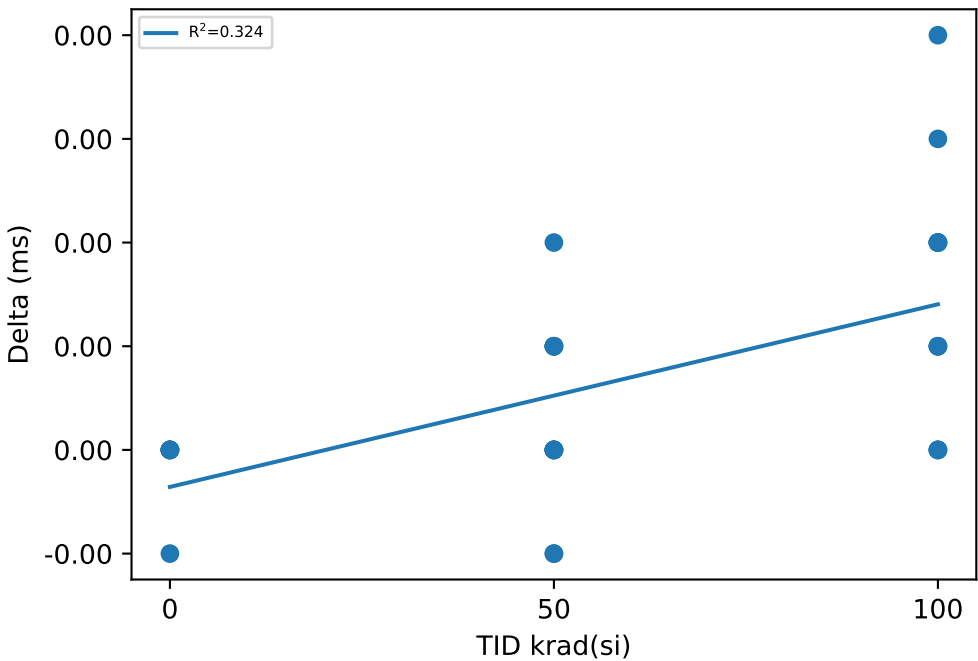
TID vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.263      | 0.263       | 0      |
| 201      | 0        | Correlation         | 0.261      | 0.261       | 0      |
| 202      | 0        | Correlation         | 0.255      | 0.254       | -0.001 |
| 203      | 50       | Biased              | 0.261      | 0.262       | 0.001  |
| 204      | 50       | Biased              | 0.261      | 0.262       | 0.001  |
| 205      | 50       | Biased              | 0.266      | 0.265       | -0.001 |
| 206      | 50       | Biased              | 0.263      | 0.263       | 0      |
| 207      | 50       | Biased              | 0.261      | 0.262       | 0.001  |
| 208      | 50       | Biased              | 0.254      | 0.254       | 0      |
| 209      | 50       | Unbiased            | 0.256      | 0.255       | -0.001 |
| 210      | 50       | Unbiased            | 0.262      | 0.262       | 0      |
| 211      | 50       | Unbiased            | 0.264      | 0.265       | 0.001  |
| 212      | 50       | Unbiased            | 0.261      | 0.263       | 0.002  |
| 213      | 50       | Unbiased            | 0.265      | 0.265       | 0      |
| 214      | 50       | Unbiased            | 0.263      | 0.263       | 0      |
| 1200     | 0        | Correlation         | 0.263      | 0.263       | 0      |
| 1201     | 0        | Correlation         | 0.261      | 0.261       | 0      |
| 1202     | 0        | Correlation         | 0.255      | 0.255       | 0      |
| 1203     | 100      | Biased              | 0.261      | 0.265       | 0.004  |
| 1204     | 100      | Biased              | 0.261      | 0.262       | 0.001  |
| 1205     | 100      | Biased              | 0.266      | 0.268       | 0.002  |
| 1206     | 100      | Biased              | 0.263      | 0.264       | 0.001  |
| 1207     | 100      | Biased              | 0.261      | 0.263       | 0.002  |
| 1208     | 100      | Biased              | 0.254      | 0.256       | 0.002  |
| 1209     | 100      | Unbiased            | 0.256      | 0.256       | 0      |
| 1210     | 100      | Unbiased            | 0.262      | 0.264       | 0.002  |
| 1211     | 100      | Unbiased            | 0.264      | 0.265       | 0.001  |
| 1212     | 100      | Unbiased            | 0.261      | 0.264       | 0.003  |
| 1213     | 100      | Unbiased            | 0.265      | 0.265       | 0      |
| 1214     | 100      | Unbiased            | 0.263      | 0.263       | 0      |

TID vs Post - Pre Exposure Delta

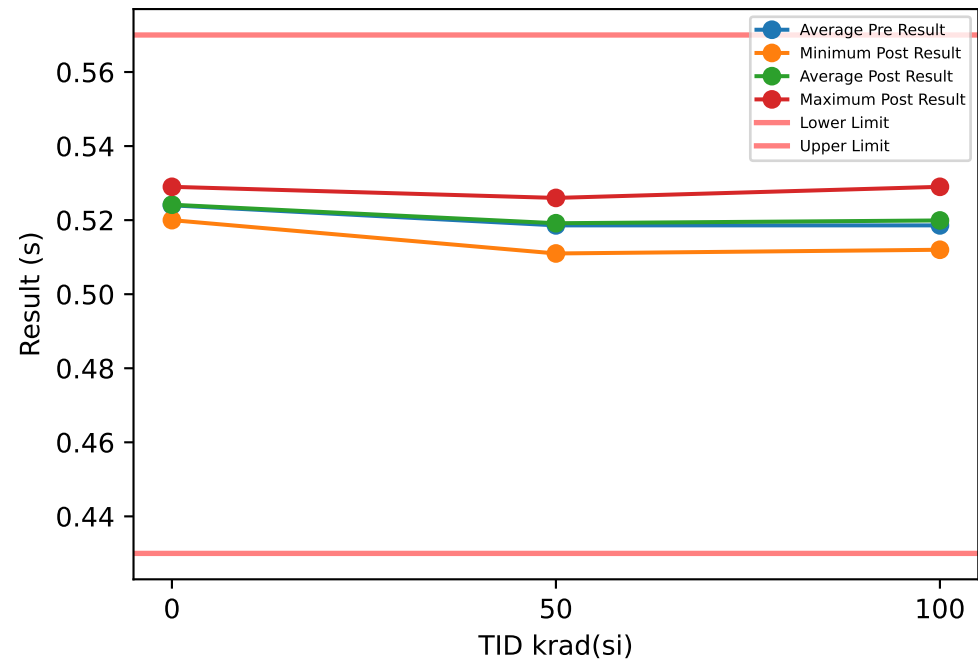


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|------------|
| 0        | 0.255            | 0.25967          | 0.263            | 0.0037238        | 0.254             | 0.2595            | 0.263             | 0.0039875         | -0.001    | -0.00016667 | 0         | 0.00040825 |
| 50       | 0.254            | 0.26142          | 0.266            | 0.0034499        | 0.254             | 0.26175           | 0.265             | 0.0035961         | -0.001    | 0.00033333  | 0.002     | 0.00088763 |
| 100      | 0.254            | 0.26142          | 0.266            | 0.0034499        | 0.256             | 0.26292           | 0.268             | 0.0035537         | 0         | 0.0015      | 0.004     | 0.0012432  |

Device Test: 5.76 ; WD\_TMR\_10KOHM

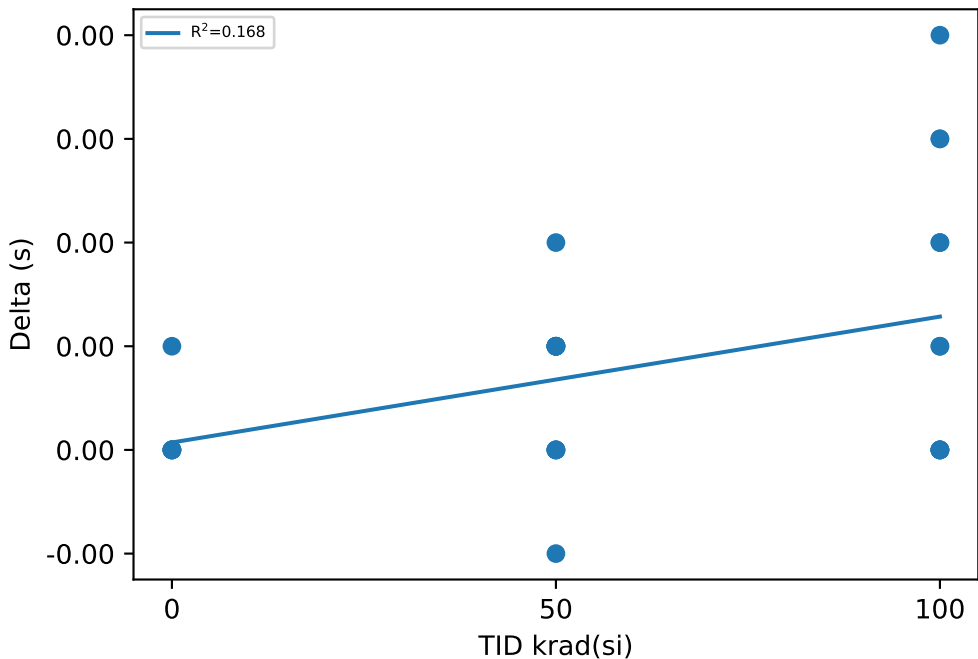
TID vs Result Stats



Test Results (Lower Limit = 0.43, Upper Limit = 0.57 (s))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.529      | 0.529       | 0      |
| 201      | 0        | Correlation         | 0.52       | 0.52        | 0      |
| 202      | 0        | Correlation         | 0.523      | 0.523       | 0      |
| 203      | 50       | Biased              | 0.514      | 0.515       | 0.001  |
| 204      | 50       | Biased              | 0.514      | 0.516       | 0.002  |
| 205      | 50       | Biased              | 0.517      | 0.518       | 0.001  |
| 206      | 50       | Biased              | 0.525      | 0.526       | 0.001  |
| 207      | 50       | Biased              | 0.52       | 0.521       | 0.001  |
| 208      | 50       | Biased              | 0.52       | 0.52        | 0      |
| 209      | 50       | Unbiased            | 0.516      | 0.517       | 0.001  |
| 210      | 50       | Unbiased            | 0.511      | 0.511       | 0      |
| 211      | 50       | Unbiased            | 0.522      | 0.522       | 0      |
| 212      | 50       | Unbiased            | 0.525      | 0.525       | 0      |
| 213      | 50       | Unbiased            | 0.519      | 0.518       | -0.001 |
| 214      | 50       | Unbiased            | 0.52       | 0.521       | 0.001  |
| 1200     | 0        | Correlation         | 0.529      | 0.529       | 0      |
| 1201     | 0        | Correlation         | 0.52       | 0.52        | 0      |
| 1202     | 0        | Correlation         | 0.523      | 0.524       | 0.001  |
| 1203     | 100      | Biased              | 0.514      | 0.514       | 0      |
| 1204     | 100      | Biased              | 0.514      | 0.517       | 0.003  |
| 1205     | 100      | Biased              | 0.517      | 0.519       | 0.002  |
| 1206     | 100      | Biased              | 0.525      | 0.529       | 0.004  |
| 1207     | 100      | Biased              | 0.52       | 0.523       | 0.003  |
| 1208     | 100      | Biased              | 0.52       | 0.52        | 0      |
| 1209     | 100      | Unbiased            | 0.516      | 0.518       | 0.002  |
| 1210     | 100      | Unbiased            | 0.511      | 0.512       | 0.001  |
| 1211     | 100      | Unbiased            | 0.522      | 0.522       | 0      |
| 1212     | 100      | Unbiased            | 0.525      | 0.525       | 0      |
| 1213     | 100      | Unbiased            | 0.519      | 0.519       | 0      |
| 1214     | 100      | Unbiased            | 0.52       | 0.521       | 0.001  |

TID vs Post - Pre Exposure Delta



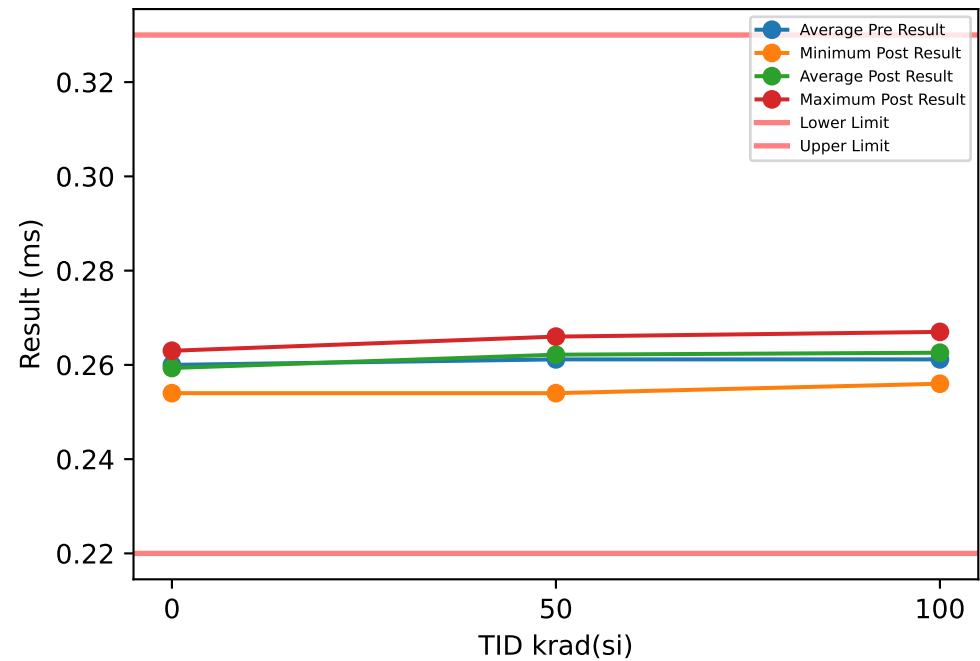
Test Statistics (s)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|------------|
| 0        | 0.52             | 0.524            | 0.529            | 0.0040988        | 0.52              | 0.52417           | 0.529             | 0.0040702         | 0         | 0.00016667 | 0.001     | 0.00040825 |
| 50       | 0.511            | 0.51858          | 0.525            | 0.004358         | 0.511             | 0.51917           | 0.526             | 0.0042391         | -0.001    | 0.00058333 | 0.002     | 0.00079296 |
| 100      | 0.511            | 0.51858          | 0.525            | 0.004358         | 0.512             | 0.51992           | 0.529             | 0.0046213         | 0         | 0.0013333  | 0.004     | 0.0014355  |



Device Test: 5.77 ; DLY\_TMR\_10KOHM

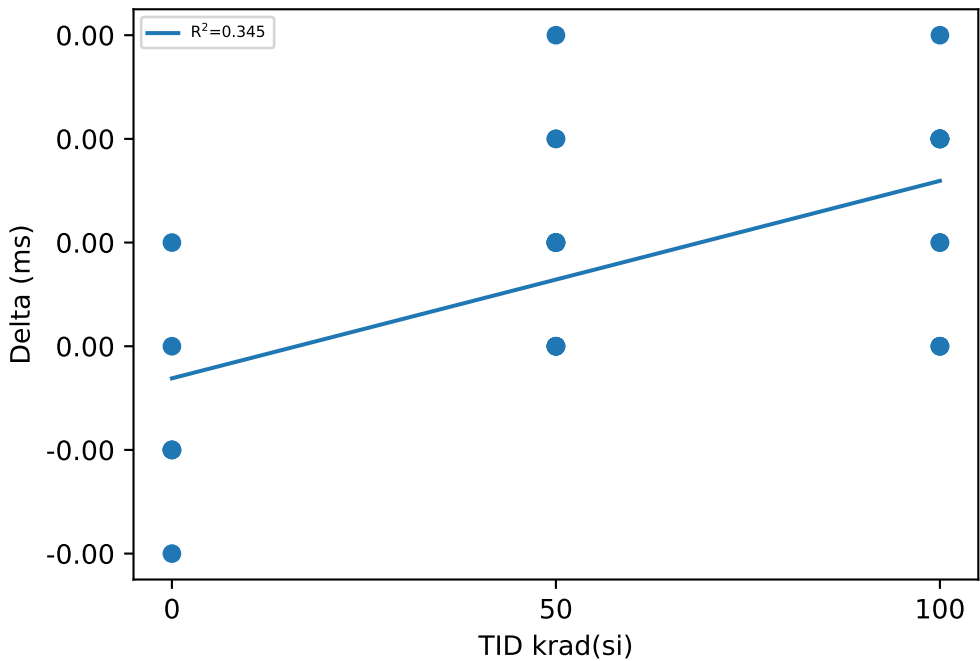
TID vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.262      | 0.262       | 0      |
| 201      | 0        | Correlation         | 0.262      | 0.261       | -0.001 |
| 202      | 0        | Correlation         | 0.256      | 0.254       | -0.002 |
| 203      | 50       | Biased              | 0.262      | 0.263       | 0.001  |
| 204      | 50       | Biased              | 0.261      | 0.261       | 0      |
| 205      | 50       | Biased              | 0.265      | 0.266       | 0.001  |
| 206      | 50       | Biased              | 0.262      | 0.264       | 0.002  |
| 207      | 50       | Biased              | 0.262      | 0.263       | 0.001  |
| 208      | 50       | Biased              | 0.254      | 0.254       | 0      |
| 209      | 50       | Unbiased            | 0.256      | 0.256       | 0      |
| 210      | 50       | Unbiased            | 0.261      | 0.264       | 0.003  |
| 211      | 50       | Unbiased            | 0.264      | 0.265       | 0.001  |
| 212      | 50       | Unbiased            | 0.261      | 0.262       | 0.001  |
| 213      | 50       | Unbiased            | 0.264      | 0.266       | 0.002  |
| 214      | 50       | Unbiased            | 0.262      | 0.262       | 0      |
| 1200     | 0        | Correlation         | 0.262      | 0.263       | 0.001  |
| 1201     | 0        | Correlation         | 0.262      | 0.261       | -0.001 |
| 1202     | 0        | Correlation         | 0.256      | 0.255       | -0.001 |
| 1203     | 100      | Biased              | 0.262      | 0.264       | 0.002  |
| 1204     | 100      | Biased              | 0.261      | 0.261       | 0      |
| 1205     | 100      | Biased              | 0.265      | 0.267       | 0.002  |
| 1206     | 100      | Biased              | 0.262      | 0.264       | 0.002  |
| 1207     | 100      | Biased              | 0.262      | 0.263       | 0.001  |
| 1208     | 100      | Biased              | 0.254      | 0.257       | 0.003  |
| 1209     | 100      | Unbiased            | 0.256      | 0.256       | 0      |
| 1210     | 100      | Unbiased            | 0.261      | 0.263       | 0.002  |
| 1211     | 100      | Unbiased            | 0.264      | 0.266       | 0.002  |
| 1212     | 100      | Unbiased            | 0.261      | 0.263       | 0.002  |
| 1213     | 100      | Unbiased            | 0.264      | 0.264       | 0      |
| 1214     | 100      | Unbiased            | 0.262      | 0.263       | 0.001  |

TID vs Post - Pre Exposure Delta

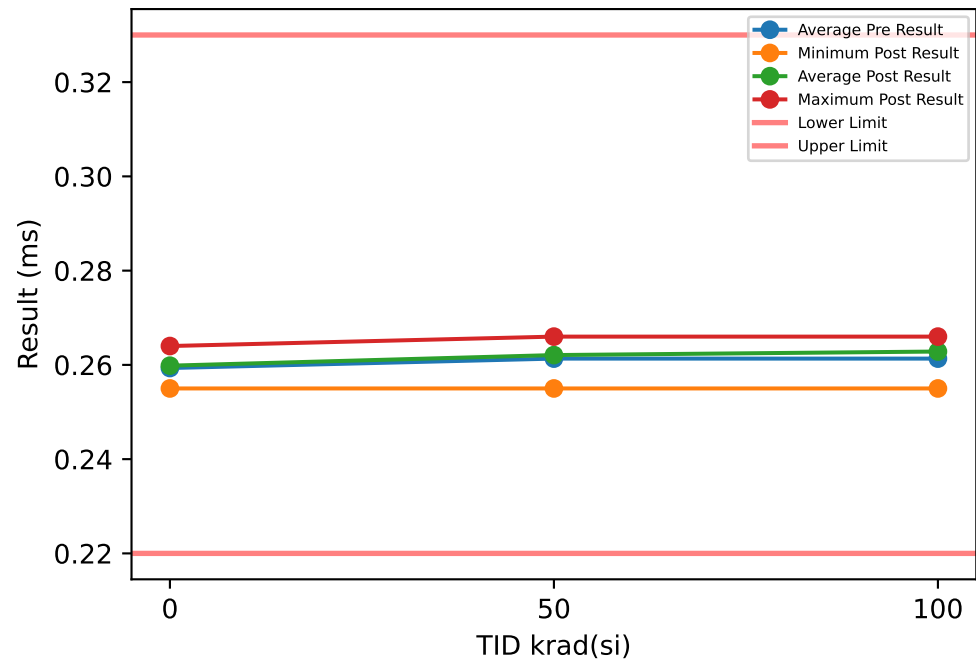


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|------------|
| 0        | 0.256            | 0.26             | 0.262            | 0.0030984        | 0.254             | 0.25933           | 0.263             | 0.0038297         | -0.002    | -0.00066667 | 0.001     | 0.0010328  |
| 50       | 0.254            | 0.26117          | 0.265            | 0.0031861        | 0.254             | 0.26217           | 0.266             | 0.0037132         | 0         | 0.001       | 0.003     | 0.00095346 |
| 100      | 0.254            | 0.26117          | 0.265            | 0.0031861        | 0.256             | 0.26258           | 0.267             | 0.0032322         | 0         | 0.0014167   | 0.003     | 0.0009962  |

Device Test: 5.78 ; DLY\_TMR\_10KOHM

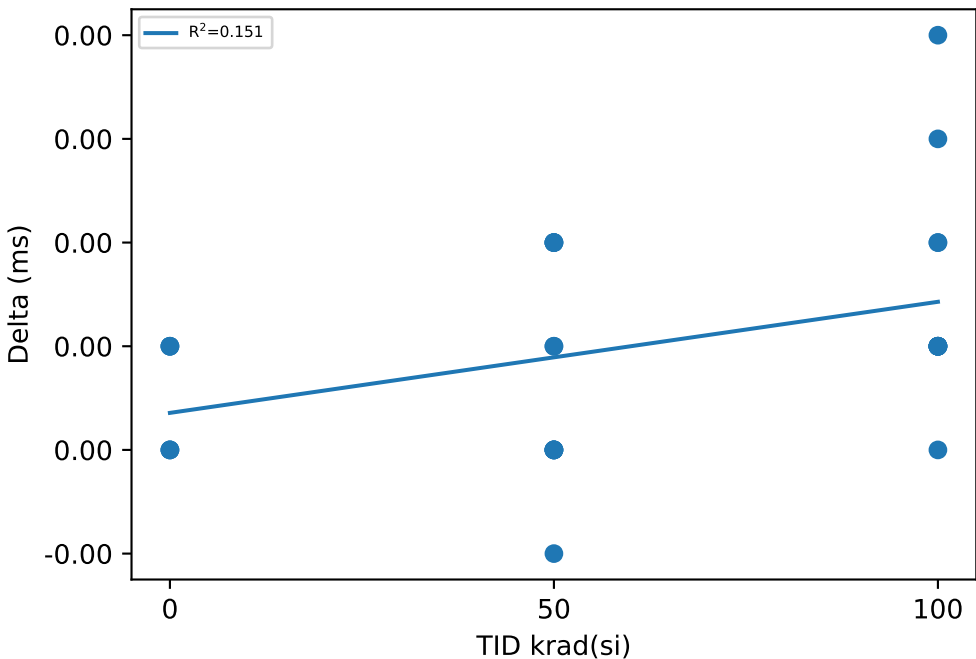
TID vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.263      | 0.264       | 0.001  |
| 201      | 0        | Correlation         | 0.26       | 0.261       | 0.001  |
| 202      | 0        | Correlation         | 0.255      | 0.255       | 0      |
| 203      | 50       | Biased              | 0.261      | 0.261       | 0      |
| 204      | 50       | Biased              | 0.261      | 0.261       | 0      |
| 205      | 50       | Biased              | 0.266      | 0.266       | 0      |
| 206      | 50       | Biased              | 0.262      | 0.264       | 0.002  |
| 207      | 50       | Biased              | 0.261      | 0.262       | 0.001  |
| 208      | 50       | Biased              | 0.254      | 0.255       | 0.001  |
| 209      | 50       | Unbiased            | 0.256      | 0.255       | -0.001 |
| 210      | 50       | Unbiased            | 0.261      | 0.263       | 0.002  |
| 211      | 50       | Unbiased            | 0.264      | 0.266       | 0.002  |
| 212      | 50       | Unbiased            | 0.263      | 0.263       | 0      |
| 213      | 50       | Unbiased            | 0.264      | 0.266       | 0.002  |
| 214      | 50       | Unbiased            | 0.263      | 0.263       | 0      |
| 1200     | 0        | Correlation         | 0.263      | 0.263       | 0      |
| 1201     | 0        | Correlation         | 0.26       | 0.261       | 0.001  |
| 1202     | 0        | Correlation         | 0.255      | 0.255       | 0      |
| 1203     | 100      | Biased              | 0.261      | 0.264       | 0.003  |
| 1204     | 100      | Biased              | 0.261      | 0.262       | 0.001  |
| 1205     | 100      | Biased              | 0.266      | 0.266       | 0      |
| 1206     | 100      | Biased              | 0.262      | 0.263       | 0.001  |
| 1207     | 100      | Biased              | 0.261      | 0.262       | 0.001  |
| 1208     | 100      | Biased              | 0.254      | 0.255       | 0.001  |
| 1209     | 100      | Unbiased            | 0.256      | 0.257       | 0.001  |
| 1210     | 100      | Unbiased            | 0.261      | 0.265       | 0.004  |
| 1211     | 100      | Unbiased            | 0.264      | 0.266       | 0.002  |
| 1212     | 100      | Unbiased            | 0.263      | 0.264       | 0.001  |
| 1213     | 100      | Unbiased            | 0.264      | 0.266       | 0.002  |
| 1214     | 100      | Unbiased            | 0.263      | 0.264       | 0.001  |

TID vs Post - Pre Exposure Delta

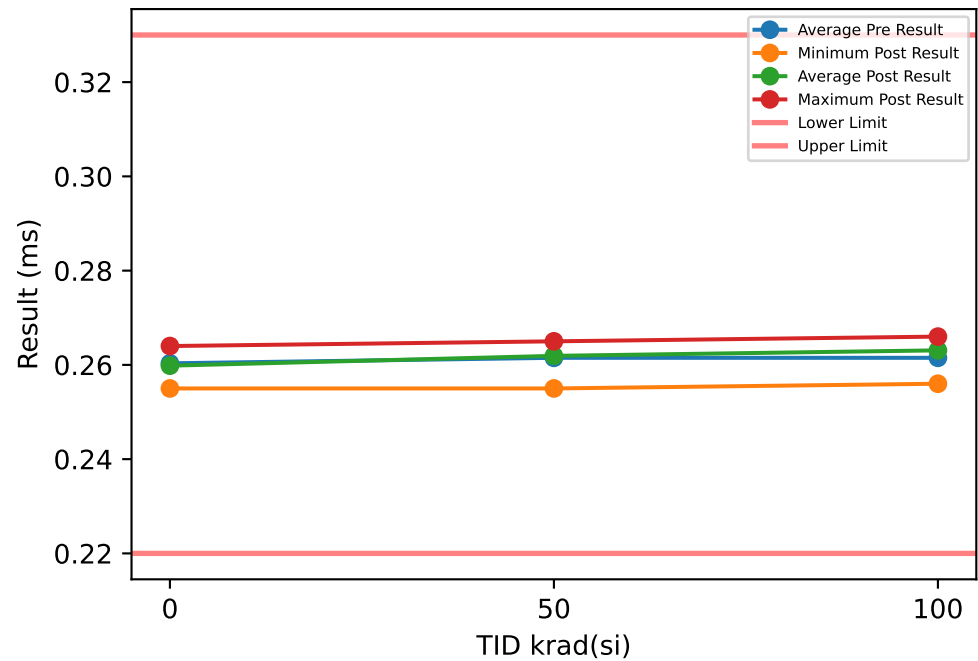


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|------------|
| 0        | 0.255            | 0.25933          | 0.263            | 0.0036148        | 0.255             | 0.25983           | 0.264             | 0.00392           | 0         | 0.0005    | 0.001     | 0.00054772 |
| 50       | 0.254            | 0.26133          | 0.266            | 0.0033665        | 0.255             | 0.26208           | 0.266             | 0.0037528         | -0.001    | 0.00075   | 0.002     | 0.0010553  |
| 100      | 0.254            | 0.26133          | 0.266            | 0.0033665        | 0.255             | 0.26283           | 0.266             | 0.0035119         | 0         | 0.0015    | 0.004     | 0.0010871  |

Device Test: 5.79 ; DLY\_TMR\_10KOHM

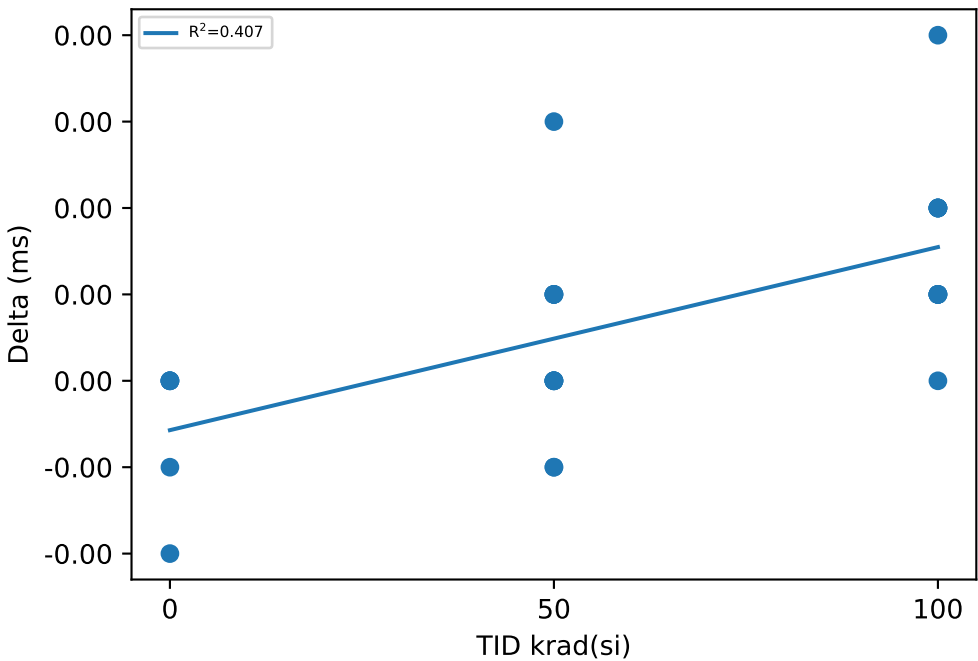
TID vs Result Stats



Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.264      | 0.262       | -0.002 |
| 201      | 0        | Correlation         | 0.262      | 0.261       | -0.001 |
| 202      | 0        | Correlation         | 0.255      | 0.255       | 0      |
| 203      | 50       | Biased              | 0.262      | 0.261       | -0.001 |
| 204      | 50       | Biased              | 0.261      | 0.262       | 0.001  |
| 205      | 50       | Biased              | 0.266      | 0.265       | -0.001 |
| 206      | 50       | Biased              | 0.263      | 0.263       | 0      |
| 207      | 50       | Biased              | 0.262      | 0.263       | 0.001  |
| 208      | 50       | Biased              | 0.255      | 0.255       | 0      |
| 209      | 50       | Unbiased            | 0.255      | 0.256       | 0.001  |
| 210      | 50       | Unbiased            | 0.261      | 0.264       | 0.003  |
| 211      | 50       | Unbiased            | 0.264      | 0.264       | 0      |
| 212      | 50       | Unbiased            | 0.262      | 0.263       | 0.001  |
| 213      | 50       | Unbiased            | 0.265      | 0.265       | 0      |
| 214      | 50       | Unbiased            | 0.262      | 0.262       | 0      |
| 1200     | 0        | Correlation         | 0.264      | 0.264       | 0      |
| 1201     | 0        | Correlation         | 0.262      | 0.262       | 0      |
| 1202     | 0        | Correlation         | 0.255      | 0.255       | 0      |
| 1203     | 100      | Biased              | 0.262      | 0.264       | 0.002  |
| 1204     | 100      | Biased              | 0.261      | 0.262       | 0.001  |
| 1205     | 100      | Biased              | 0.266      | 0.266       | 0      |
| 1206     | 100      | Biased              | 0.263      | 0.265       | 0.002  |
| 1207     | 100      | Biased              | 0.262      | 0.263       | 0.001  |
| 1208     | 100      | Biased              | 0.255      | 0.256       | 0.001  |
| 1209     | 100      | Unbiased            | 0.255      | 0.257       | 0.002  |
| 1210     | 100      | Unbiased            | 0.261      | 0.265       | 0.004  |
| 1211     | 100      | Unbiased            | 0.264      | 0.266       | 0.002  |
| 1212     | 100      | Unbiased            | 0.262      | 0.263       | 0.001  |
| 1213     | 100      | Unbiased            | 0.265      | 0.266       | 0.001  |
| 1214     | 100      | Unbiased            | 0.262      | 0.264       | 0.002  |

TID vs Post - Pre Exposure Delta

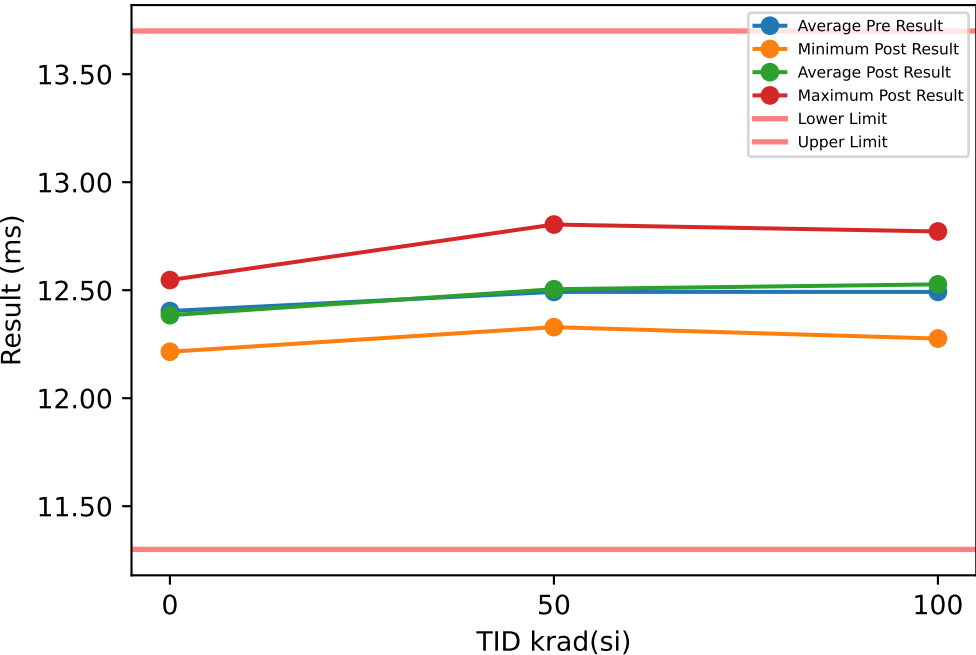


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|------------|
| 0        | 0.255            | 0.26033          | 0.264            | 0.0042269        | 0.255             | 0.25983           | 0.264             | 0.0038687         | -0.002    | -0.0005    | 0         | 0.00083666 |
| 50       | 0.255            | 0.2615           | 0.266            | 0.0033979        | 0.255             | 0.26192           | 0.265             | 0.0032322         | -0.001    | 0.00041667 | 0.003     | 0.0010836  |
| 100      | 0.255            | 0.2615           | 0.266            | 0.0033979        | 0.256             | 0.26308           | 0.266             | 0.0033428         | 0         | 0.0015833  | 0.004     | 0.0009962  |

Device Test: 5.80 ; DLY\_TMR\_500KOHM

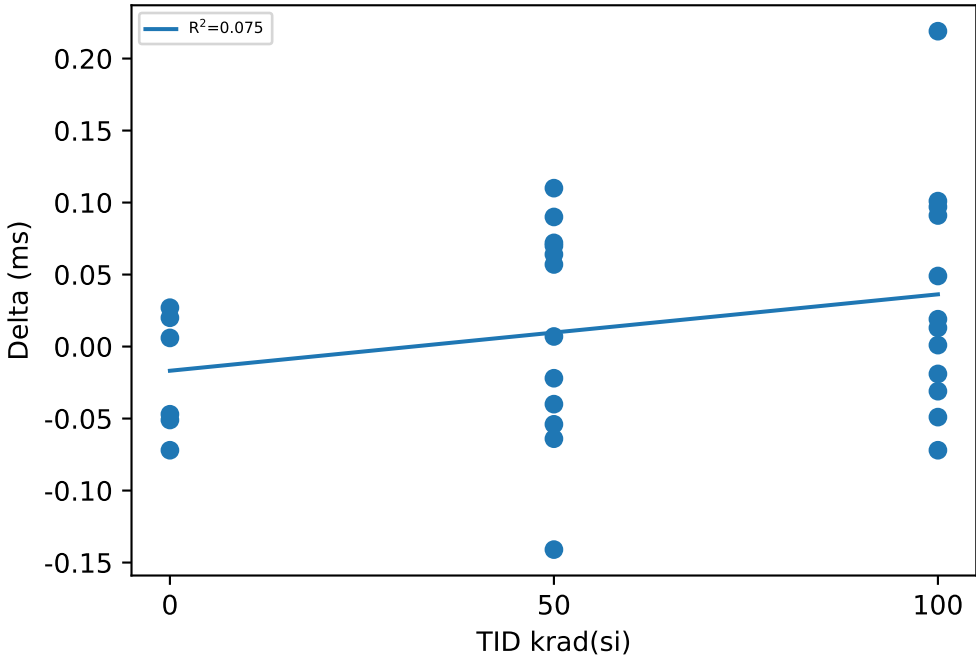
TID vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 12.52      | 12.547      | 0.027  |
| 201      | 0        | Correlation         | 12.429     | 12.378      | -0.051 |
| 202      | 0        | Correlation         | 12.262     | 12.282      | 0.02   |
| 203      | 50       | Biased              | 12.449     | 12.506      | 0.057  |
| 204      | 50       | Biased              | 12.295     | 12.359      | 0.064  |
| 205      | 50       | Biased              | 12.671     | 12.781      | 0.11   |
| 206      | 50       | Biased              | 12.714     | 12.804      | 0.09   |
| 207      | 50       | Biased              | 12.257     | 12.329      | 0.072  |
| 208      | 50       | Biased              | 12.491     | 12.561      | 0.07   |
| 209      | 50       | Unbiased            | 12.34      | 12.347      | 0.007  |
| 210      | 50       | Unbiased            | 12.414     | 12.392      | -0.022 |
| 211      | 50       | Unbiased            | 12.661     | 12.52       | -0.141 |
| 212      | 50       | Unbiased            | 12.428     | 12.388      | -0.04  |
| 213      | 50       | Unbiased            | 12.569     | 12.505      | -0.064 |
| 214      | 50       | Unbiased            | 12.617     | 12.563      | -0.054 |
| 1200     | 0        | Correlation         | 12.52      | 12.526      | 0.006  |
| 1201     | 0        | Correlation         | 12.429     | 12.357      | -0.072 |
| 1202     | 0        | Correlation         | 12.262     | 12.215      | -0.047 |
| 1203     | 100      | Biased              | 12.449     | 12.668      | 0.219  |
| 1204     | 100      | Biased              | 12.295     | 12.276      | -0.019 |
| 1205     | 100      | Biased              | 12.671     | 12.772      | 0.101  |
| 1206     | 100      | Biased              | 12.714     | 12.727      | 0.013  |
| 1207     | 100      | Biased              | 12.257     | 12.306      | 0.049  |
| 1208     | 100      | Biased              | 12.491     | 12.51       | 0.019  |
| 1209     | 100      | Unbiased            | 12.34      | 12.291      | -0.049 |
| 1210     | 100      | Unbiased            | 12.414     | 12.415      | 0.001  |
| 1211     | 100      | Unbiased            | 12.661     | 12.63       | -0.031 |
| 1212     | 100      | Unbiased            | 12.428     | 12.525      | 0.097  |
| 1213     | 100      | Unbiased            | 12.569     | 12.497      | -0.072 |
| 1214     | 100      | Unbiased            | 12.617     | 12.708      | 0.091  |

TID vs Post - Pre Exposure Delta

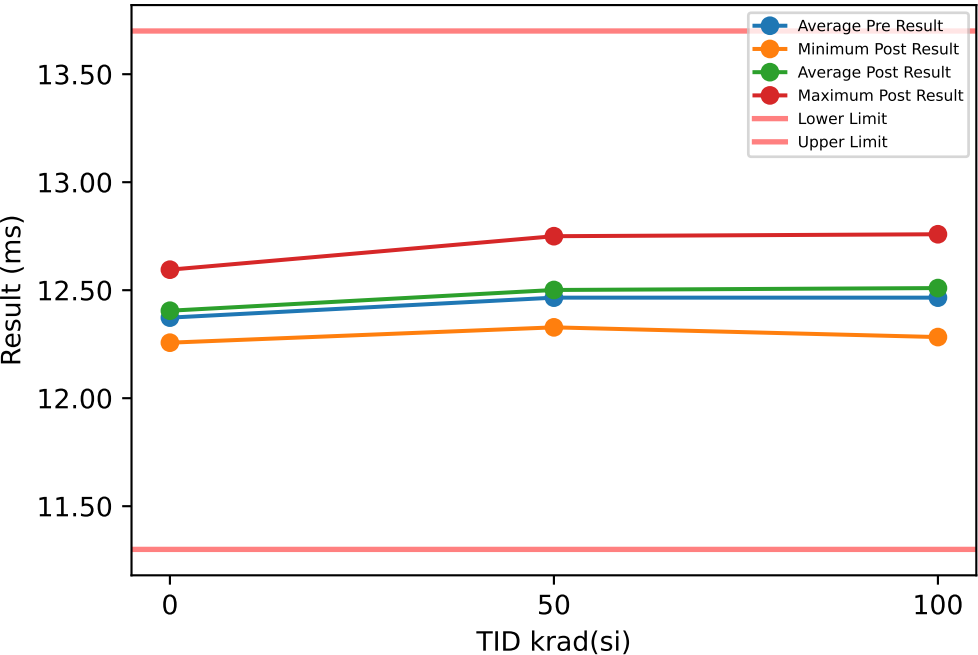


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.262           | 12.404           | 12.52            | 0.11704          | 12.215            | 12.384            | 12.547            | 0.1315            | -0.072    | -0.0195   | 0.027     | 0.042137  |
| 50       | 12.257           | 12.492           | 12.714           | 0.15392          | 12.329            | 12.505            | 12.804            | 0.15841           | -0.141    | 0.012417  | 0.11      | 0.076755  |
| 100      | 12.257           | 12.492           | 12.714           | 0.15392          | 12.276            | 12.527            | 12.772            | 0.17698           | -0.072    | 0.034917  | 0.219     | 0.081498  |

Device Test: 5.81 ; DLY\_TMR\_500KOHM

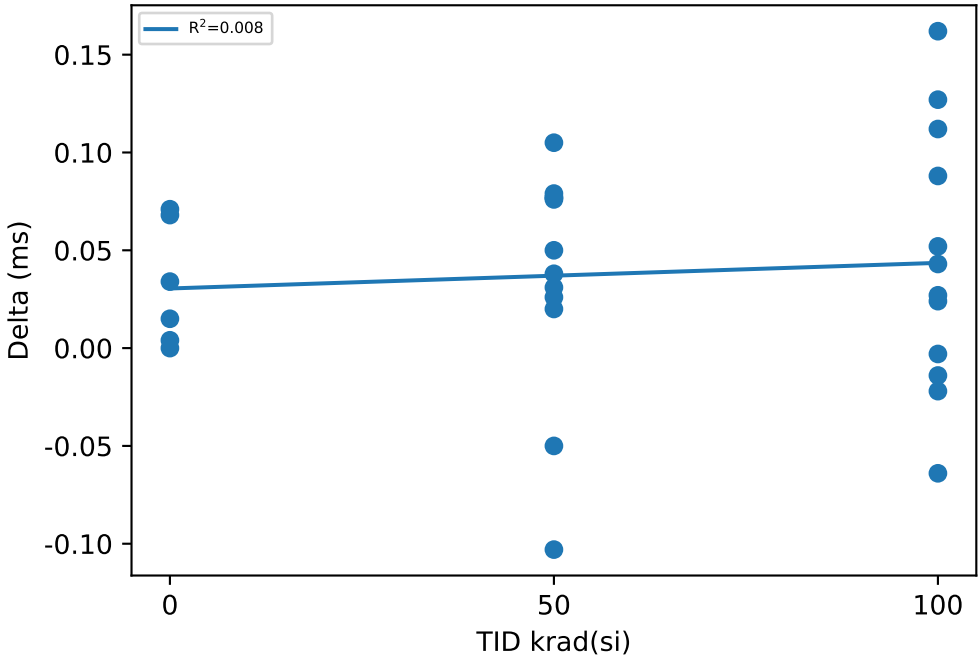
TID vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 12.524     | 12.524      | 0      |
| 201      | 0        | Correlation         | 12.353     | 12.357      | 0.004  |
| 202      | 0        | Correlation         | 12.242     | 12.276      | 0.034  |
| 203      | 50       | Biased              | 12.431     | 12.536      | 0.105  |
| 204      | 50       | Biased              | 12.336     | 12.356      | 0.02   |
| 205      | 50       | Biased              | 12.632     | 12.711      | 0.079  |
| 206      | 50       | Biased              | 12.673     | 12.75       | 0.077  |
| 207      | 50       | Biased              | 12.252     | 12.328      | 0.076  |
| 208      | 50       | Biased              | 12.458     | 12.535      | 0.077  |
| 209      | 50       | Unbiased            | 12.297     | 12.347      | 0.05   |
| 210      | 50       | Unbiased            | 12.343     | 12.369      | 0.026  |
| 211      | 50       | Unbiased            | 12.625     | 12.522      | -0.103 |
| 212      | 50       | Unbiased            | 12.423     | 12.373      | -0.05  |
| 213      | 50       | Unbiased            | 12.538     | 12.576      | 0.038  |
| 214      | 50       | Unbiased            | 12.578     | 12.609      | 0.031  |
| 1200     | 0        | Correlation         | 12.524     | 12.595      | 0.071  |
| 1201     | 0        | Correlation         | 12.353     | 12.421      | 0.068  |
| 1202     | 0        | Correlation         | 12.242     | 12.257      | 0.015  |
| 1203     | 100      | Biased              | 12.431     | 12.593      | 0.162  |
| 1204     | 100      | Biased              | 12.336     | 12.314      | -0.022 |
| 1205     | 100      | Biased              | 12.632     | 12.759      | 0.127  |
| 1206     | 100      | Biased              | 12.673     | 12.697      | 0.024  |
| 1207     | 100      | Biased              | 12.252     | 12.295      | 0.043  |
| 1208     | 100      | Biased              | 12.458     | 12.485      | 0.027  |
| 1209     | 100      | Unbiased            | 12.297     | 12.283      | -0.014 |
| 1210     | 100      | Unbiased            | 12.343     | 12.455      | 0.112  |
| 1211     | 100      | Unbiased            | 12.625     | 12.622      | -0.003 |
| 1212     | 100      | Unbiased            | 12.423     | 12.511      | 0.088  |
| 1213     | 100      | Unbiased            | 12.538     | 12.474      | -0.064 |
| 1214     | 100      | Unbiased            | 12.578     | 12.63       | 0.052  |

TID vs Post - Pre Exposure Delta

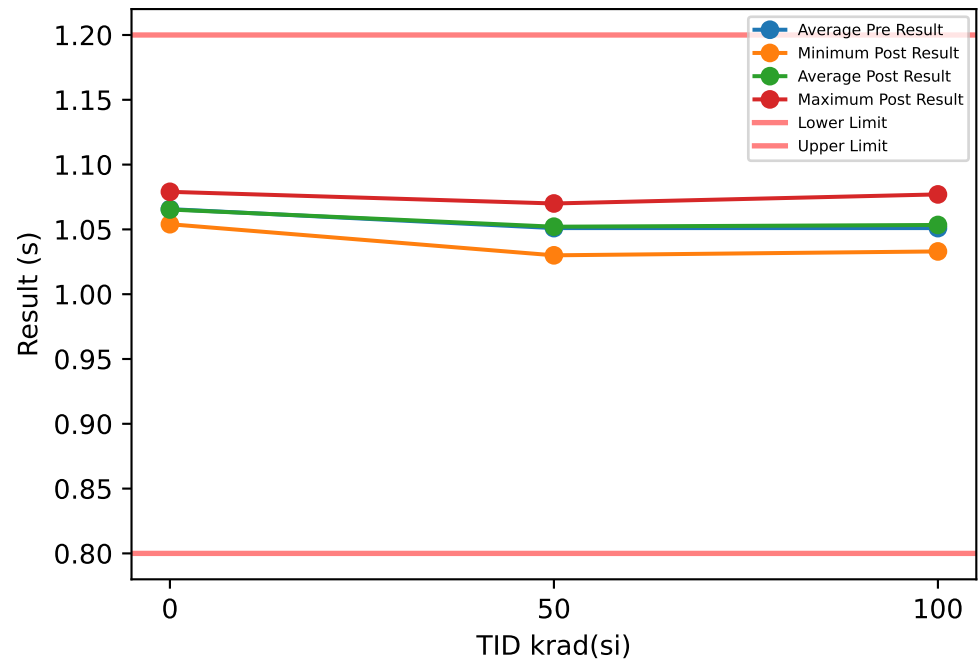


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.242           | 12.373           | 12.524           | 0.12706          | 12.257            | 12.405            | 12.595            | 0.13518           | 0         | 0.032     | 0.071     | 0.031362  |
| 50       | 12.252           | 12.466           | 12.673           | 0.14236          | 12.328            | 12.501            | 12.75             | 0.14607           | -0.103    | 0.0355    | 0.105     | 0.059442  |
| 100      | 12.252           | 12.466           | 12.673           | 0.14236          | 12.283            | 12.51             | 12.759            | 0.15723           | -0.064    | 0.044333  | 0.162     | 0.06723   |

Device Test: 5.82 ; WD\_TMR\_500KOHM

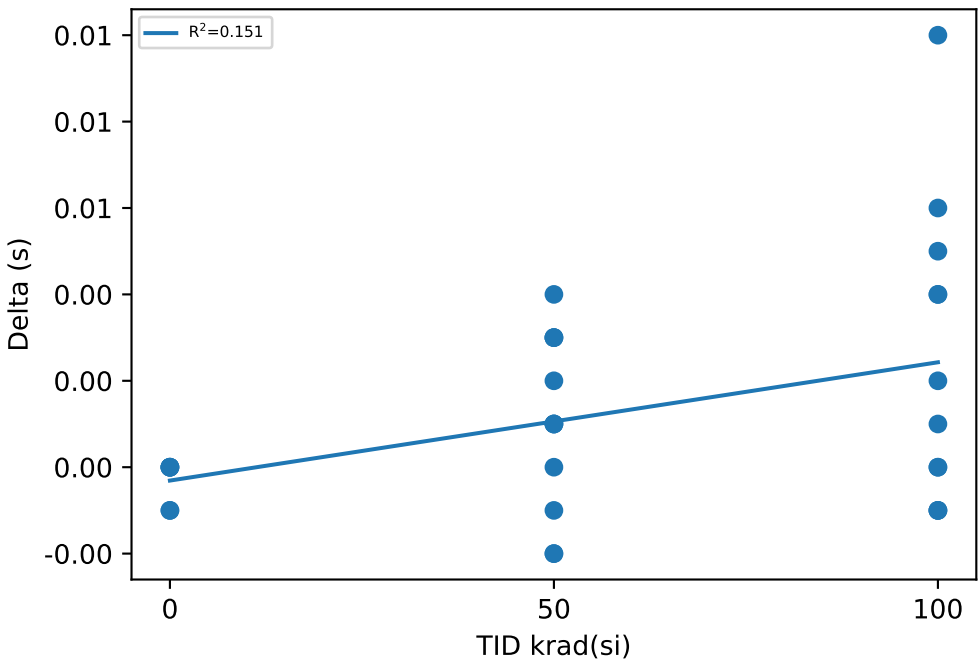
TID vs Result Stats



Test Results (Lower Limit = 0.8, Upper Limit = 1.2 (s))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 1.08       | 1.079       | -0.001 |
| 201      | 0        | Correlation         | 1.054      | 1.054       | 0      |
| 202      | 0        | Correlation         | 1.063      | 1.063       | 0      |
| 203      | 50       | Biased              | 1.037      | 1.038       | 0.001  |
| 204      | 50       | Biased              | 1.043      | 1.047       | 0.004  |
| 205      | 50       | Biased              | 1.049      | 1.051       | 0.002  |
| 206      | 50       | Biased              | 1.067      | 1.07        | 0.003  |
| 207      | 50       | Biased              | 1.053      | 1.054       | 0.001  |
| 208      | 50       | Biased              | 1.055      | 1.053       | -0.002 |
| 209      | 50       | Unbiased            | 1.046      | 1.049       | 0.003  |
| 210      | 50       | Unbiased            | 1.031      | 1.03        | -0.001 |
| 211      | 50       | Unbiased            | 1.057      | 1.058       | 0.001  |
| 212      | 50       | Unbiased            | 1.068      | 1.068       | 0      |
| 213      | 50       | Unbiased            | 1.052      | 1.05        | -0.002 |
| 214      | 50       | Unbiased            | 1.054      | 1.057       | 0.003  |
| 1200     | 0        | Correlation         | 1.08       | 1.079       | -0.001 |
| 1201     | 0        | Correlation         | 1.054      | 1.054       | 0      |
| 1202     | 0        | Correlation         | 1.063      | 1.063       | 0      |
| 1203     | 100      | Biased              | 1.037      | 1.037       | 0      |
| 1204     | 100      | Biased              | 1.043      | 1.047       | 0.004  |
| 1205     | 100      | Biased              | 1.049      | 1.053       | 0.004  |
| 1206     | 100      | Biased              | 1.067      | 1.077       | 0.01   |
| 1207     | 100      | Biased              | 1.053      | 1.059       | 0.006  |
| 1208     | 100      | Biased              | 1.055      | 1.054       | -0.001 |
| 1209     | 100      | Unbiased            | 1.046      | 1.051       | 0.005  |
| 1210     | 100      | Unbiased            | 1.031      | 1.033       | 0.002  |
| 1211     | 100      | Unbiased            | 1.057      | 1.056       | -0.001 |
| 1212     | 100      | Unbiased            | 1.068      | 1.068       | 0      |
| 1213     | 100      | Unbiased            | 1.052      | 1.051       | -0.001 |
| 1214     | 100      | Unbiased            | 1.054      | 1.055       | 0.001  |

TID vs Post - Pre Exposure Delta



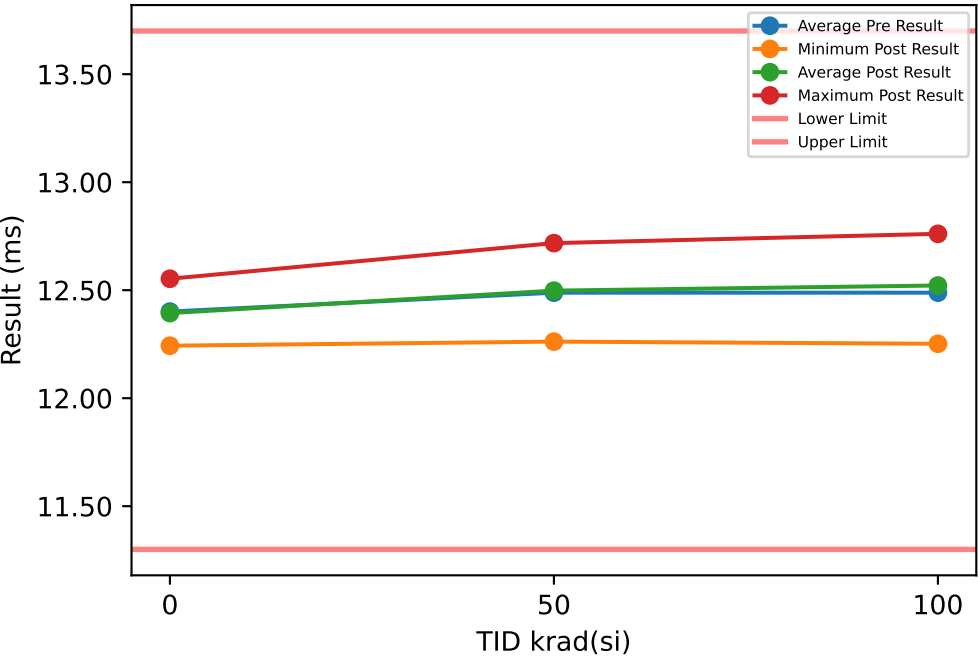
Test Statistics (s)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|-----------|
| 0        | 1.054            | 1.0657           | 1.08             | 0.01181          | 1.054             | 1.0653            | 1.079             | 0.011325          | -0.001    | -0.00033333 | 0         | 0.0005164 |
| 50       | 1.031            | 1.051            | 1.068            | 0.010871         | 1.03              | 1.0521            | 1.07              | 0.011139          | -0.002    | 0.0010833   | 0.004     | 0.0020207 |
| 100      | 1.031            | 1.051            | 1.068            | 0.010871         | 1.033             | 1.0534            | 1.077             | 0.011866          | -0.001    | 0.0024167   | 0.01      | 0.0034499 |



Device Test: 5.83 ; DLY\_TMR\_500KOHM

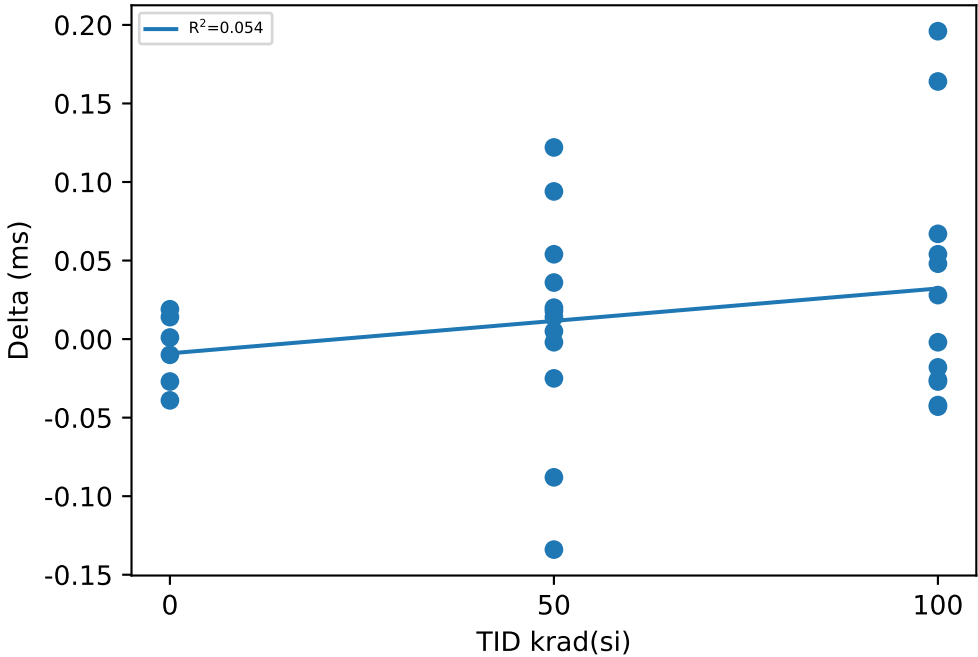
TID vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 12.539     | 12.553      | 0.014  |
| 201      | 0        | Correlation         | 12.422     | 12.412      | -0.01  |
| 202      | 0        | Correlation         | 12.242     | 12.261      | 0.019  |
| 203      | 50       | Biased              | 12.444     | 12.498      | 0.054  |
| 204      | 50       | Biased              | 12.294     | 12.416      | 0.122  |
| 205      | 50       | Biased              | 12.692     | 12.71       | 0.018  |
| 206      | 50       | Biased              | 12.713     | 12.718      | 0.005  |
| 207      | 50       | Biased              | 12.264     | 12.262      | -0.002 |
| 208      | 50       | Biased              | 12.453     | 12.547      | 0.094  |
| 209      | 50       | Unbiased            | 12.295     | 12.315      | 0.02   |
| 210      | 50       | Unbiased            | 12.408     | 12.444      | 0.036  |
| 211      | 50       | Unbiased            | 12.645     | 12.511      | -0.134 |
| 212      | 50       | Unbiased            | 12.425     | 12.439      | 0.014  |
| 213      | 50       | Unbiased            | 12.596     | 12.571      | -0.025 |
| 214      | 50       | Unbiased            | 12.633     | 12.545      | -0.088 |
| 1200     | 0        | Correlation         | 12.539     | 12.512      | -0.027 |
| 1201     | 0        | Correlation         | 12.422     | 12.383      | -0.039 |
| 1202     | 0        | Correlation         | 12.242     | 12.243      | 0.001  |
| 1203     | 100      | Biased              | 12.444     | 12.64       | 0.196  |
| 1204     | 100      | Biased              | 12.294     | 12.267      | -0.027 |
| 1205     | 100      | Biased              | 12.692     | 12.759      | 0.067  |
| 1206     | 100      | Biased              | 12.713     | 12.761      | 0.048  |
| 1207     | 100      | Biased              | 12.264     | 12.262      | -0.002 |
| 1208     | 100      | Biased              | 12.453     | 12.507      | 0.054  |
| 1209     | 100      | Unbiased            | 12.295     | 12.252      | -0.043 |
| 1210     | 100      | Unbiased            | 12.408     | 12.39       | -0.018 |
| 1211     | 100      | Unbiased            | 12.645     | 12.619      | -0.026 |
| 1212     | 100      | Unbiased            | 12.425     | 12.589      | 0.164  |
| 1213     | 100      | Unbiased            | 12.596     | 12.554      | -0.042 |
| 1214     | 100      | Unbiased            | 12.633     | 12.661      | 0.028  |

TID vs Post - Pre Exposure Delta

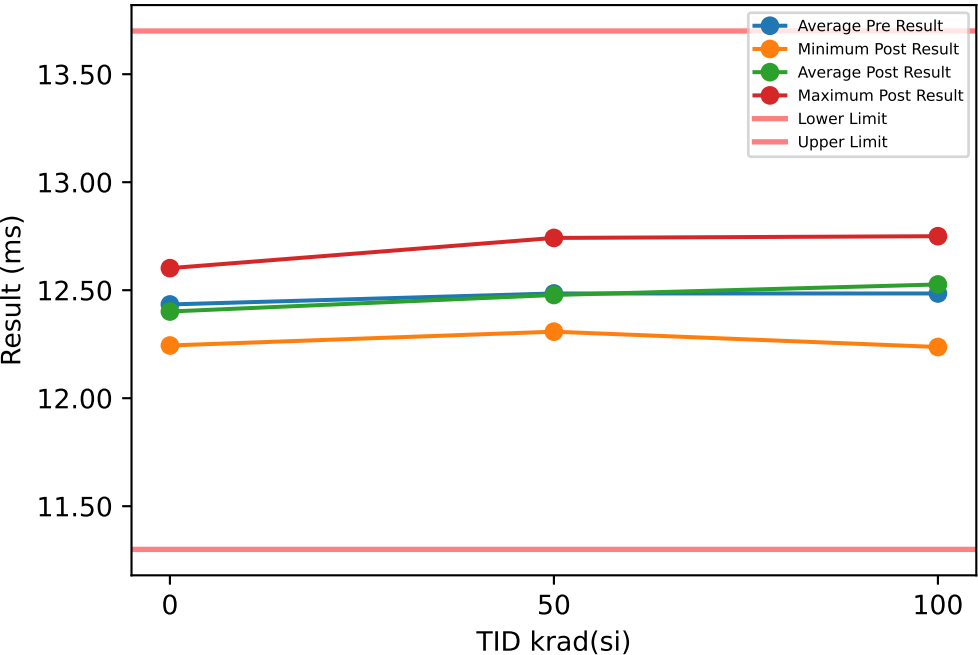


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.242           | 12.401           | 12.539           | 0.13381          | 12.243            | 12.394            | 12.553            | 0.1266            | -0.039    | -0.007    | 0.019     | 0.022865  |
| 50       | 12.264           | 12.489           | 12.713           | 0.16185          | 12.262            | 12.498            | 12.718            | 0.13677           | -0.134    | 0.0095    | 0.122     | 0.070145  |
| 100      | 12.264           | 12.489           | 12.713           | 0.16185          | 12.252            | 12.522            | 12.761            | 0.18699           | -0.043    | 0.03325   | 0.196     | 0.078558  |

Device Test: 5.84 ; DLY\_TMR\_500KOHM

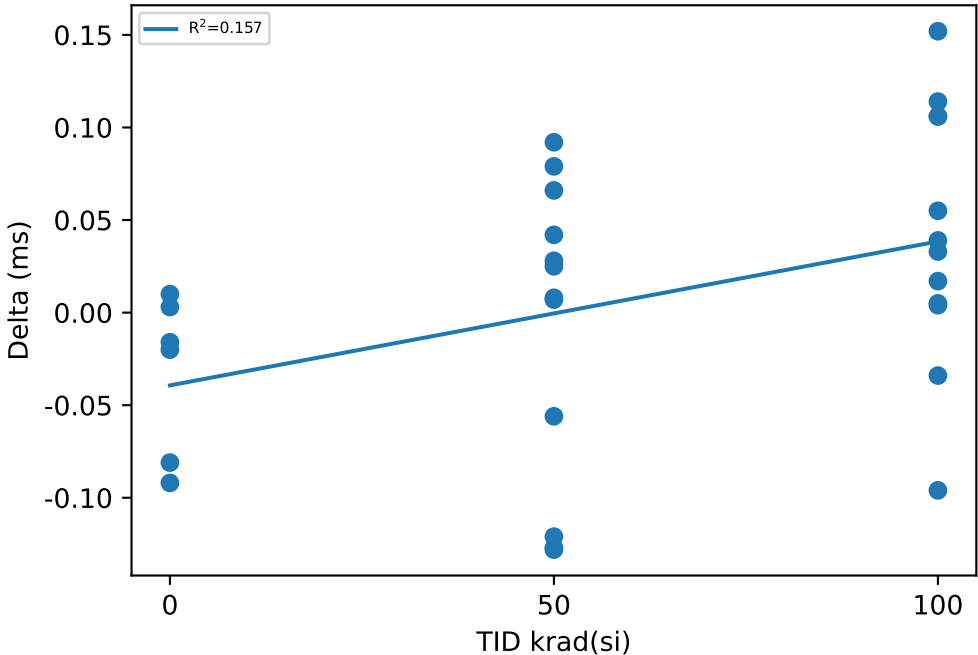
TID vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 12.599     | 12.518      | -0.081 |
| 201      | 0        | Correlation         | 12.443     | 12.351      | -0.092 |
| 202      | 0        | Correlation         | 12.26      | 12.27       | 0.01   |
| 203      | 50       | Biased              | 12.427     | 12.469      | 0.042  |
| 204      | 50       | Biased              | 12.325     | 12.35       | 0.025  |
| 205      | 50       | Biased              | 12.717     | 12.724      | 0.007  |
| 206      | 50       | Biased              | 12.65      | 12.742      | 0.092  |
| 207      | 50       | Biased              | 12.229     | 12.308      | 0.079  |
| 208      | 50       | Biased              | 12.462     | 12.528      | 0.066  |
| 209      | 50       | Unbiased            | 12.333     | 12.341      | 0.008  |
| 210      | 50       | Unbiased            | 12.336     | 12.364      | 0.028  |
| 211      | 50       | Unbiased            | 12.637     | 12.516      | -0.121 |
| 212      | 50       | Unbiased            | 12.496     | 12.368      | -0.128 |
| 213      | 50       | Unbiased            | 12.547     | 12.491      | -0.056 |
| 214      | 50       | Unbiased            | 12.659     | 12.532      | -0.127 |
| 1200     | 0        | Correlation         | 12.599     | 12.602      | 0.003  |
| 1201     | 0        | Correlation         | 12.443     | 12.423      | -0.02  |
| 1202     | 0        | Correlation         | 12.26      | 12.244      | -0.016 |
| 1203     | 100      | Biased              | 12.427     | 12.579      | 0.152  |
| 1204     | 100      | Biased              | 12.325     | 12.329      | 0.004  |
| 1205     | 100      | Biased              | 12.717     | 12.75       | 0.033  |
| 1206     | 100      | Biased              | 12.65      | 12.689      | 0.039  |
| 1207     | 100      | Biased              | 12.229     | 12.284      | 0.055  |
| 1208     | 100      | Biased              | 12.462     | 12.576      | 0.114  |
| 1209     | 100      | Unbiased            | 12.333     | 12.237      | -0.096 |
| 1210     | 100      | Unbiased            | 12.336     | 12.442      | 0.106  |
| 1211     | 100      | Unbiased            | 12.637     | 12.642      | 0.005  |
| 1212     | 100      | Unbiased            | 12.496     | 12.602      | 0.106  |
| 1213     | 100      | Unbiased            | 12.547     | 12.564      | 0.017  |
| 1214     | 100      | Unbiased            | 12.659     | 12.625      | -0.034 |

TID vs Post - Pre Exposure Delta

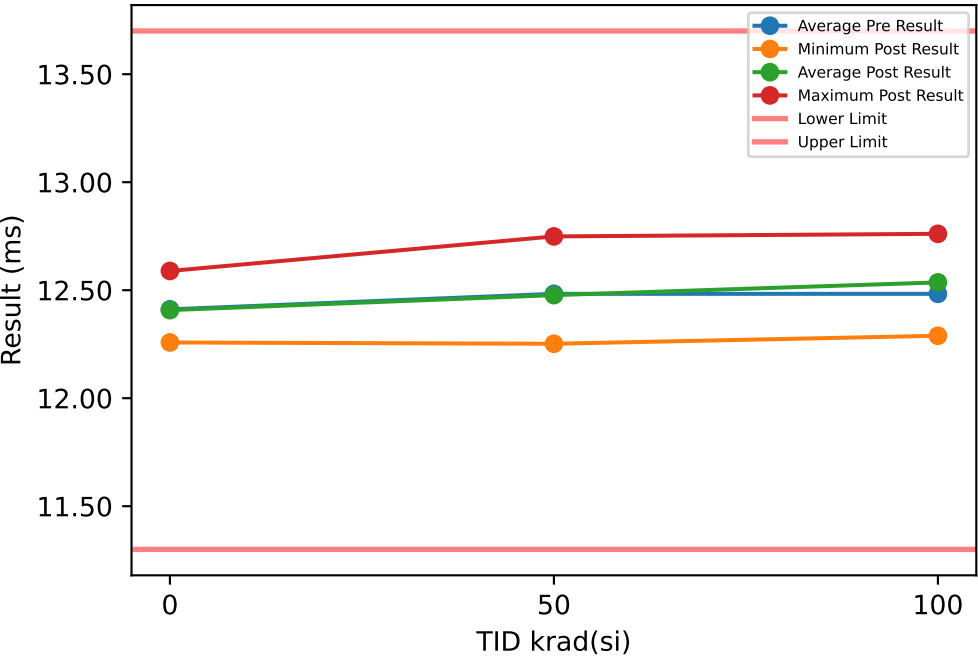


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 12.26            | 12.434           | 12.599           | 0.15177          | 12.244            | 12.401            | 12.602            | 0.14063           | -0.092    | -0.032667  | 0.01      | 0.04333   |
| 50       | 12.229           | 12.485           | 12.717           | 0.15918          | 12.308            | 12.478            | 12.742            | 0.14349           | -0.128    | -0.0070833 | 0.092     | 0.080924  |
| 100      | 12.229           | 12.485           | 12.717           | 0.15918          | 12.237            | 12.527            | 12.75             | 0.16528           | -0.096    | 0.04175    | 0.152     | 0.07006   |

Device Test: 5.85 ; DLY\_TMR\_500KOHM

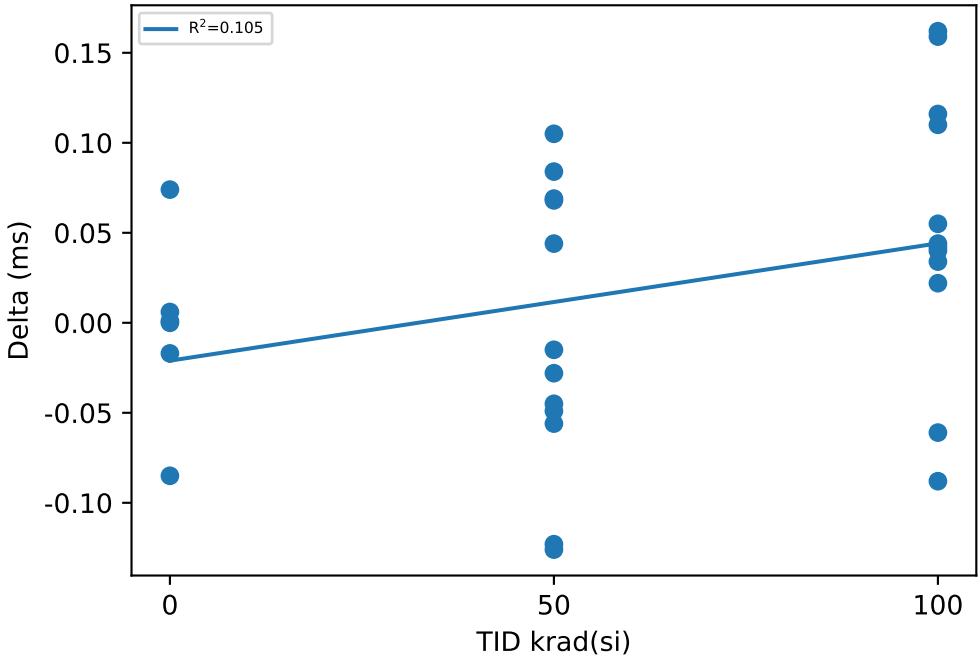
TID vs Result Stats



Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 12.515     | 12.521      | 0.006  |
| 201      | 0        | Correlation         | 12.444     | 12.359      | -0.085 |
| 202      | 0        | Correlation         | 12.275     | 12.276      | 0.001  |
| 203      | 50       | Biased              | 12.503     | 12.475      | -0.028 |
| 204      | 50       | Biased              | 12.313     | 12.357      | 0.044  |
| 205      | 50       | Biased              | 12.645     | 12.729      | 0.084  |
| 206      | 50       | Biased              | 12.644     | 12.749      | 0.105  |
| 207      | 50       | Biased              | 12.26      | 12.329      | 0.069  |
| 208      | 50       | Biased              | 12.468     | 12.536      | 0.068  |
| 209      | 50       | Unbiased            | 12.267     | 12.252      | -0.015 |
| 210      | 50       | Unbiased            | 12.414     | 12.369      | -0.045 |
| 211      | 50       | Unbiased            | 12.643     | 12.52       | -0.123 |
| 212      | 50       | Unbiased            | 12.423     | 12.374      | -0.049 |
| 213      | 50       | Unbiased            | 12.624     | 12.498      | -0.126 |
| 214      | 50       | Unbiased            | 12.594     | 12.538      | -0.056 |
| 1200     | 0        | Correlation         | 12.515     | 12.589      | 0.074  |
| 1201     | 0        | Correlation         | 12.444     | 12.444      | 0      |
| 1202     | 0        | Correlation         | 12.275     | 12.258      | -0.017 |
| 1203     | 100      | Biased              | 12.503     | 12.662      | 0.159  |
| 1204     | 100      | Biased              | 12.313     | 12.347      | 0.034  |
| 1205     | 100      | Biased              | 12.645     | 12.761      | 0.116  |
| 1206     | 100      | Biased              | 12.644     | 12.699      | 0.055  |
| 1207     | 100      | Biased              | 12.26      | 12.304      | 0.044  |
| 1208     | 100      | Biased              | 12.468     | 12.578      | 0.11   |
| 1209     | 100      | Unbiased            | 12.267     | 12.289      | 0.022  |
| 1210     | 100      | Unbiased            | 12.414     | 12.456      | 0.042  |
| 1211     | 100      | Unbiased            | 12.643     | 12.555      | -0.088 |
| 1212     | 100      | Unbiased            | 12.423     | 12.585      | 0.162  |
| 1213     | 100      | Unbiased            | 12.624     | 12.563      | -0.061 |
| 1214     | 100      | Unbiased            | 12.594     | 12.634      | 0.04   |

TID vs Post - Pre Exposure Delta

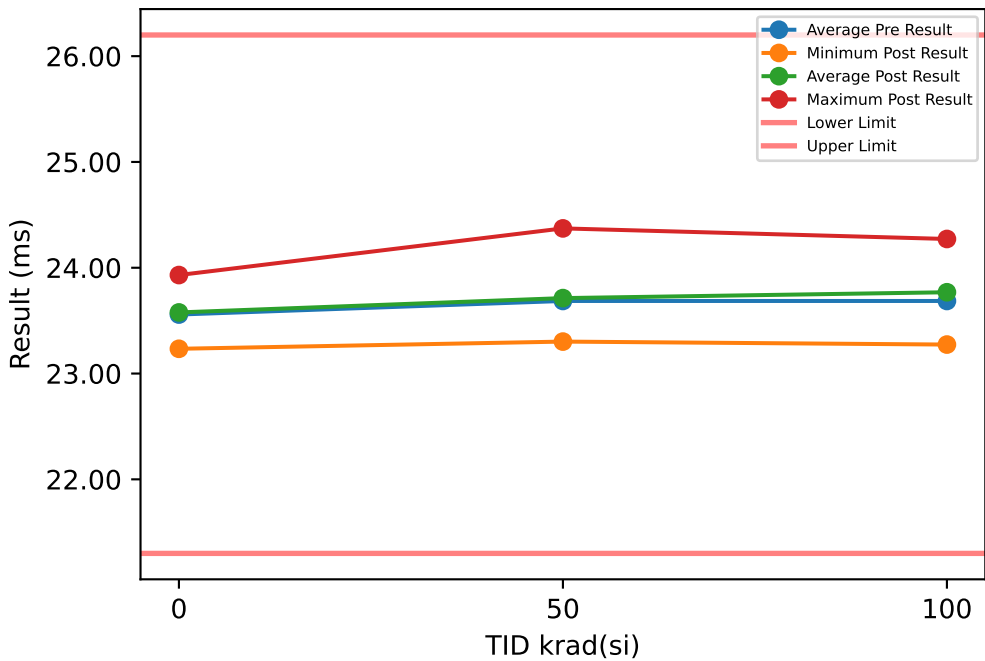


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.275           | 12.411           | 12.515           | 0.11027          | 12.258            | 12.408            | 12.589            | 0.13353           | -0.085    | -0.0035   | 0.074     | 0.050899  |
| 50       | 12.26            | 12.483           | 12.645           | 0.14901          | 12.252            | 12.477            | 12.749            | 0.15261           | -0.126    | -0.006    | 0.105     | 0.07894   |
| 100      | 12.26            | 12.483           | 12.645           | 0.14901          | 12.289            | 12.536            | 12.761            | 0.15518           | -0.088    | 0.052917  | 0.162     | 0.076817  |

Device Test: 5.86 ; DLY\_TMR\_1MOHM

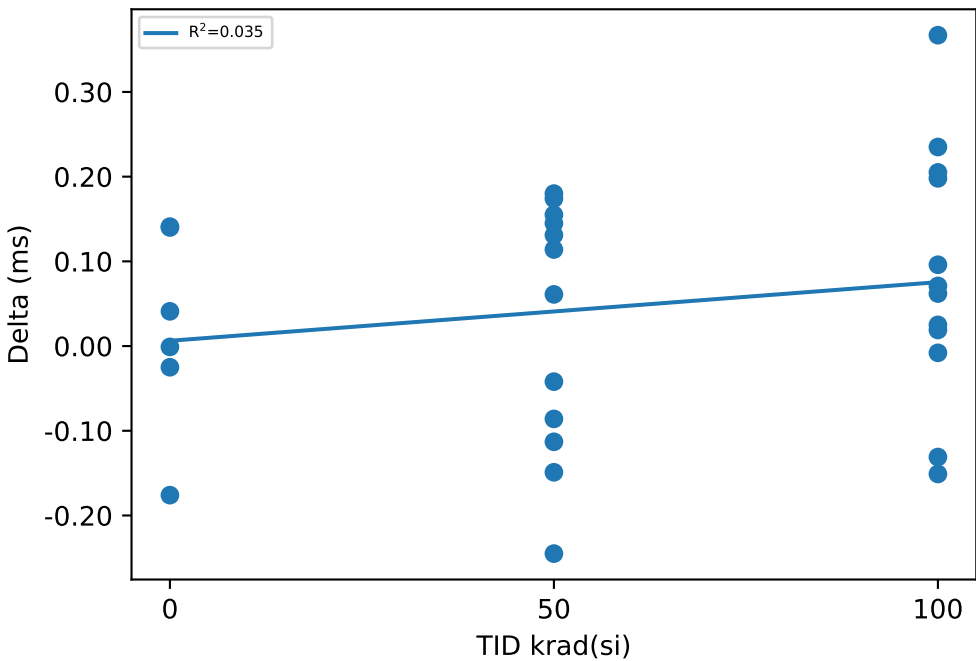
TID vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 23.79      | 23.831      | 0.041  |
| 201      | 0        | Correlation         | 23.473     | 23.472      | -0.001 |
| 202      | 0        | Correlation         | 23.41      | 23.234      | -0.176 |
| 203      | 50       | Biased              | 23.598     | 23.743      | 0.145  |
| 204      | 50       | Biased              | 23.345     | 23.459      | 0.114  |
| 205      | 50       | Biased              | 24.037     | 24.192      | 0.155  |
| 206      | 50       | Biased              | 24.192     | 24.372      | 0.18   |
| 207      | 50       | Biased              | 23.178     | 23.309      | 0.131  |
| 208      | 50       | Biased              | 23.885     | 24.059      | 0.174  |
| 209      | 50       | Unbiased            | 23.344     | 23.302      | -0.042 |
| 210      | 50       | Unbiased            | 23.338     | 23.399      | 0.061  |
| 211      | 50       | Unbiased            | 23.98      | 23.735      | -0.245 |
| 212      | 50       | Unbiased            | 23.525     | 23.412      | -0.113 |
| 213      | 50       | Unbiased            | 23.796     | 23.71       | -0.086 |
| 214      | 50       | Unbiased            | 24.014     | 23.865      | -0.149 |
| 1200     | 0        | Correlation         | 23.79      | 23.931      | 0.141  |
| 1201     | 0        | Correlation         | 23.473     | 23.613      | 0.14   |
| 1202     | 0        | Correlation         | 23.41      | 23.385      | -0.025 |
| 1203     | 100      | Biased              | 23.598     | 23.965      | 0.367  |
| 1204     | 100      | Biased              | 23.345     | 23.364      | 0.019  |
| 1205     | 100      | Biased              | 24.037     | 24.272      | 0.235  |
| 1206     | 100      | Biased              | 24.192     | 24.254      | 0.062  |
| 1207     | 100      | Biased              | 23.178     | 23.274      | 0.096  |
| 1208     | 100      | Biased              | 23.885     | 23.956      | 0.071  |
| 1209     | 100      | Unbiased            | 23.344     | 23.336      | -0.008 |
| 1210     | 100      | Unbiased            | 23.338     | 23.536      | 0.198  |
| 1211     | 100      | Unbiased            | 23.98      | 23.849      | -0.131 |
| 1212     | 100      | Unbiased            | 23.525     | 23.73       | 0.205  |
| 1213     | 100      | Unbiased            | 23.796     | 23.645      | -0.151 |
| 1214     | 100      | Unbiased            | 24.014     | 24.039      | 0.025  |

TID vs Post - Pre Exposure Delta

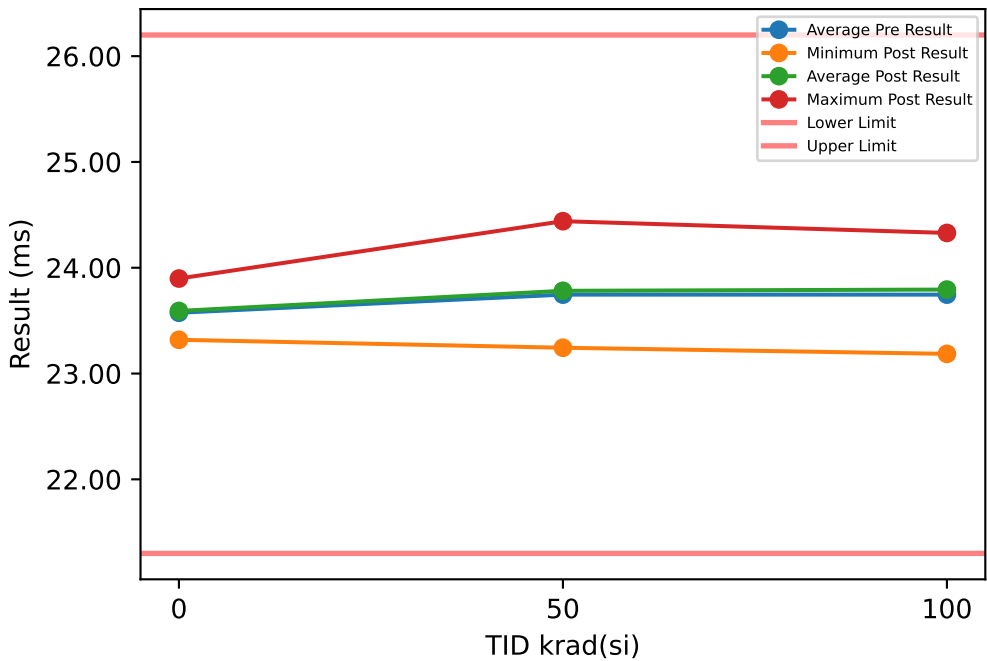


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 23.41            | 23.558           | 23.79            | 0.18216          | 23.234            | 23.578            | 23.931            | 0.26708           | -0.176    | 0.02      | 0.141     | 0.11863   |
| 50       | 23.178           | 23.686           | 24.192           | 0.33992          | 23.302            | 23.713            | 24.372            | 0.35596           | -0.245    | 0.027083  | 0.18      | 0.14677   |
| 100      | 23.178           | 23.686           | 24.192           | 0.33992          | 23.274            | 23.768            | 24.272            | 0.34492           | -0.151    | 0.082333  | 0.367     | 0.15043   |

Device Test: 5.87 ; DLY\_TMR\_1MOHM

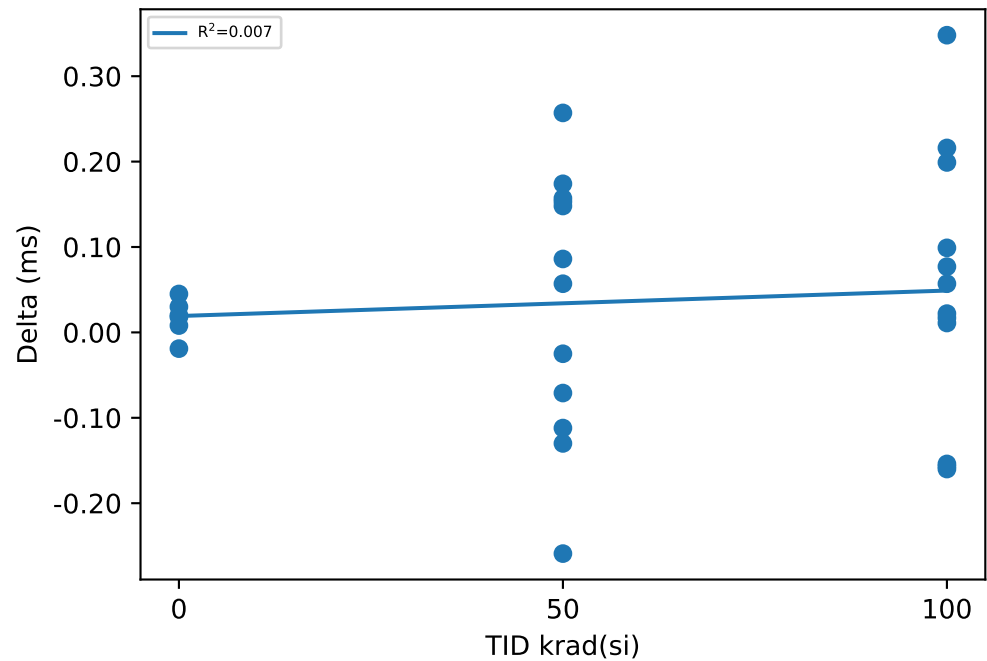
TID vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 23.868     | 23.898      | 0.03   |
| 201      | 0        | Correlation         | 23.518     | 23.563      | 0.045  |
| 202      | 0        | Correlation         | 23.338     | 23.346      | 0.008  |
| 203      | 50       | Biased              | 23.726     | 23.812      | 0.086  |
| 204      | 50       | Biased              | 23.284     | 23.541      | 0.257  |
| 205      | 50       | Biased              | 24.113     | 24.266      | 0.153  |
| 206      | 50       | Biased              | 24.292     | 24.44       | 0.148  |
| 207      | 50       | Biased              | 23.087     | 23.244      | 0.157  |
| 208      | 50       | Biased              | 23.977     | 24.151      | 0.174  |
| 209      | 50       | Unbiased            | 23.435     | 23.41       | -0.025 |
| 210      | 50       | Unbiased            | 23.425     | 23.482      | 0.057  |
| 211      | 50       | Unbiased            | 24.066     | 23.807      | -0.259 |
| 212      | 50       | Unbiased            | 23.609     | 23.497      | -0.112 |
| 213      | 50       | Unbiased            | 23.876     | 23.805      | -0.071 |
| 214      | 50       | Unbiased            | 24.061     | 23.931      | -0.13  |
| 1200     | 0        | Correlation         | 23.868     | 23.888      | 0.02   |
| 1201     | 0        | Correlation         | 23.518     | 23.536      | 0.018  |
| 1202     | 0        | Correlation         | 23.338     | 23.319      | -0.019 |
| 1203     | 100      | Biased              | 23.726     | 24.074      | 0.348  |
| 1204     | 100      | Biased              | 23.284     | 23.301      | 0.017  |
| 1205     | 100      | Biased              | 24.113     | 24.329      | 0.216  |
| 1206     | 100      | Biased              | 24.292     | 24.303      | 0.011  |
| 1207     | 100      | Biased              | 23.087     | 23.186      | 0.099  |
| 1208     | 100      | Biased              | 23.977     | 24.034      | 0.057  |
| 1209     | 100      | Unbiased            | 23.435     | 23.275      | -0.16  |
| 1210     | 100      | Unbiased            | 23.425     | 23.447      | 0.022  |
| 1211     | 100      | Unbiased            | 24.066     | 23.912      | -0.154 |
| 1212     | 100      | Unbiased            | 23.609     | 23.808      | 0.199  |
| 1213     | 100      | Unbiased            | 23.876     | 23.719      | -0.157 |
| 1214     | 100      | Unbiased            | 24.061     | 24.138      | 0.077  |

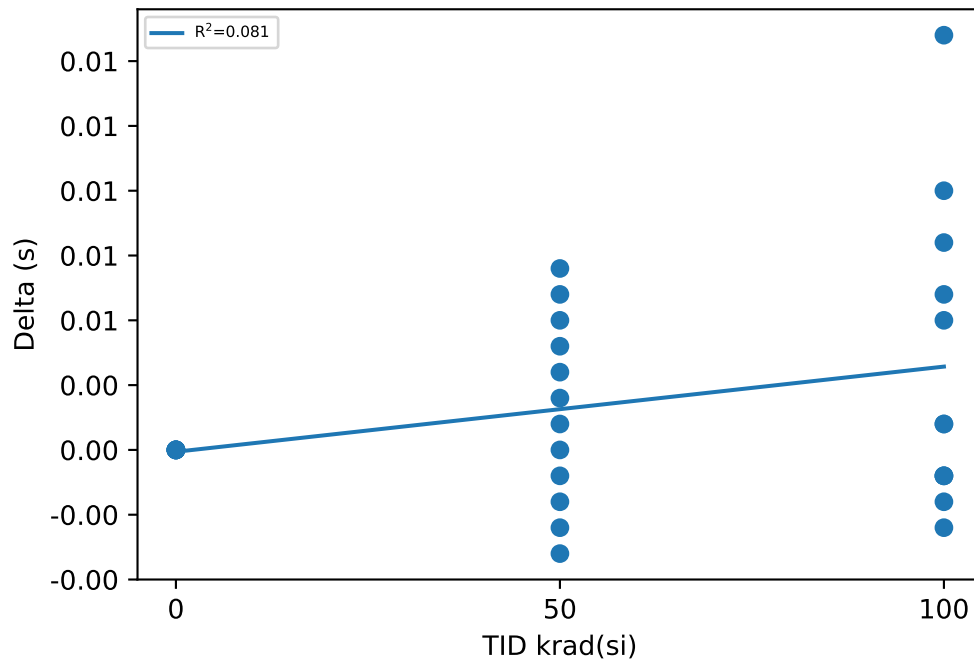
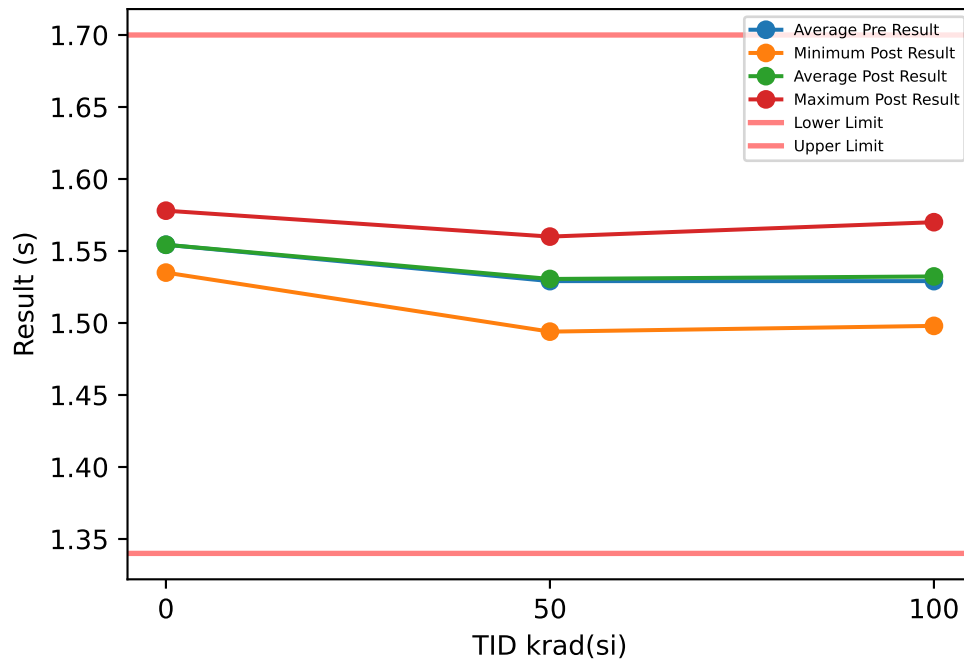
TID vs Post - Pre Exposure Delta



Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 23.338           | 23.575           | 23.868           | 0.24105          | 23.319            | 23.592            | 23.898            | 0.25309           | -0.019    | 0.017     | 0.045     | 0.021633  |
| 50       | 23.087           | 23.746           | 24.292           | 0.37795          | 23.244            | 23.782            | 24.44             | 0.36739           | -0.259    | 0.03625   | 0.257     | 0.15473   |
| 100      | 23.087           | 23.746           | 24.292           | 0.37795          | 23.186            | 23.794            | 24.329            | 0.40697           | -0.16     | 0.047917  | 0.348     | 0.15772   |

Device Test: 5.88 ; WD\_TMR\_1MOHM



Test Results (Lower Limit = 1.34,  
Upper Limit = 1.7 (s))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 1.578      | 1.578       | 0      |
| 201      | 0        | Correlation         | 1.535      | 1.535       | 0      |
| 202      | 0        | Correlation         | 1.55       | 1.55        | 0      |
| 203      | 50       | Biased              | 1.505      | 1.505       | 0      |
| 204      | 50       | Biased              | 1.517      | 1.524       | 0.007  |
| 205      | 50       | Biased              | 1.528      | 1.529       | 0.001  |
| 206      | 50       | Biased              | 1.554      | 1.56        | 0.006  |
| 207      | 50       | Biased              | 1.531      | 1.533       | 0.002  |
| 208      | 50       | Biased              | 1.534      | 1.532       | -0.002 |
| 209      | 50       | Unbiased            | 1.522      | 1.527       | 0.005  |
| 210      | 50       | Unbiased            | 1.497      | 1.494       | -0.003 |
| 211      | 50       | Unbiased            | 1.537      | 1.54        | 0.003  |
| 212      | 50       | Unbiased            | 1.56       | 1.559       | -0.001 |
| 213      | 50       | Unbiased            | 1.531      | 1.527       | -0.004 |
| 214      | 50       | Unbiased            | 1.533      | 1.537       | 0.004  |
| 1200     | 0        | Correlation         | 1.578      | 1.578       | 0      |
| 1201     | 0        | Correlation         | 1.535      | 1.535       | 0      |
| 1202     | 0        | Correlation         | 1.55       | 1.55        | 0      |
| 1203     | 100      | Biased              | 1.505      | 1.504       | -0.001 |
| 1204     | 100      | Biased              | 1.517      | 1.522       | 0.005  |
| 1205     | 100      | Biased              | 1.528      | 1.534       | 0.006  |
| 1206     | 100      | Biased              | 1.554      | 1.57        | 0.016  |
| 1207     | 100      | Biased              | 1.531      | 1.541       | 0.01   |
| 1208     | 100      | Biased              | 1.534      | 1.533       | -0.001 |
| 1209     | 100      | Unbiased            | 1.522      | 1.53        | 0.008  |
| 1210     | 100      | Unbiased            | 1.497      | 1.498       | 0.001  |
| 1211     | 100      | Unbiased            | 1.537      | 1.536       | -0.001 |
| 1212     | 100      | Unbiased            | 1.56       | 1.557       | -0.003 |
| 1213     | 100      | Unbiased            | 1.531      | 1.529       | -0.002 |
| 1214     | 100      | Unbiased            | 1.533      | 1.534       | 0.001  |

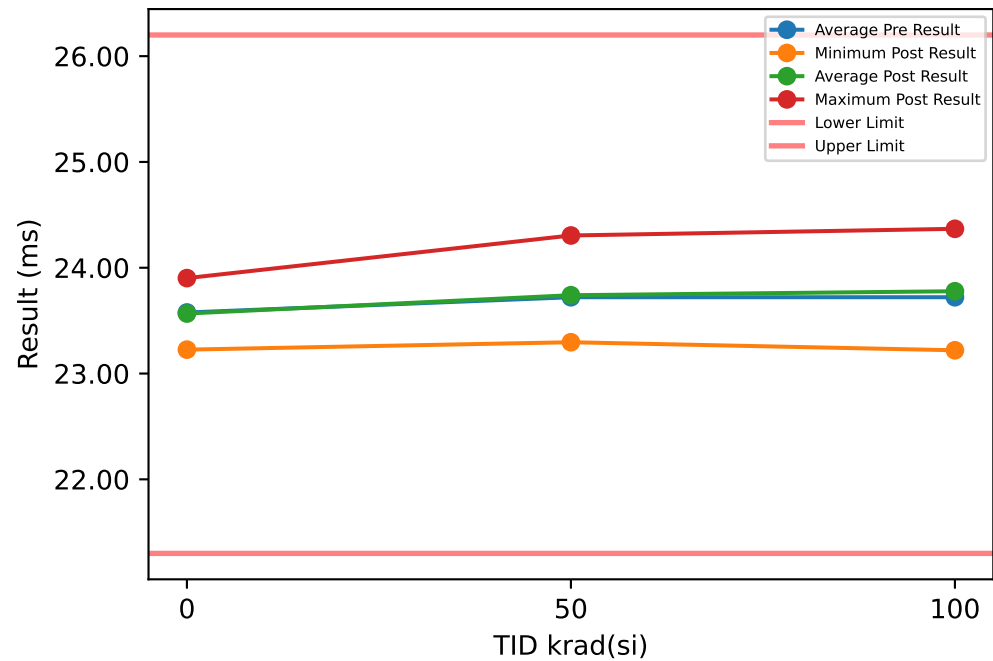
Test Statistics (s)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 1.535            | 1.5543           | 1.578            | 0.019521         | 1.535             | 1.5543            | 1.578             | 0.019521          | 0         | 0         | 0         | 0         |
| 50       | 1.497            | 1.5291           | 1.56             | 0.01782          | 1.494             | 1.5306            | 1.56              | 0.018769          | -0.004    | 0.0015    | 0.007     | 0.0036056 |
| 100      | 1.497            | 1.5291           | 1.56             | 0.01782          | 1.498             | 1.5323            | 1.57              | 0.019602          | -0.003    | 0.00325   | 0.016     | 0.0058173 |



Device Test: 5.89 ; DLY\_TMR\_1MOHM

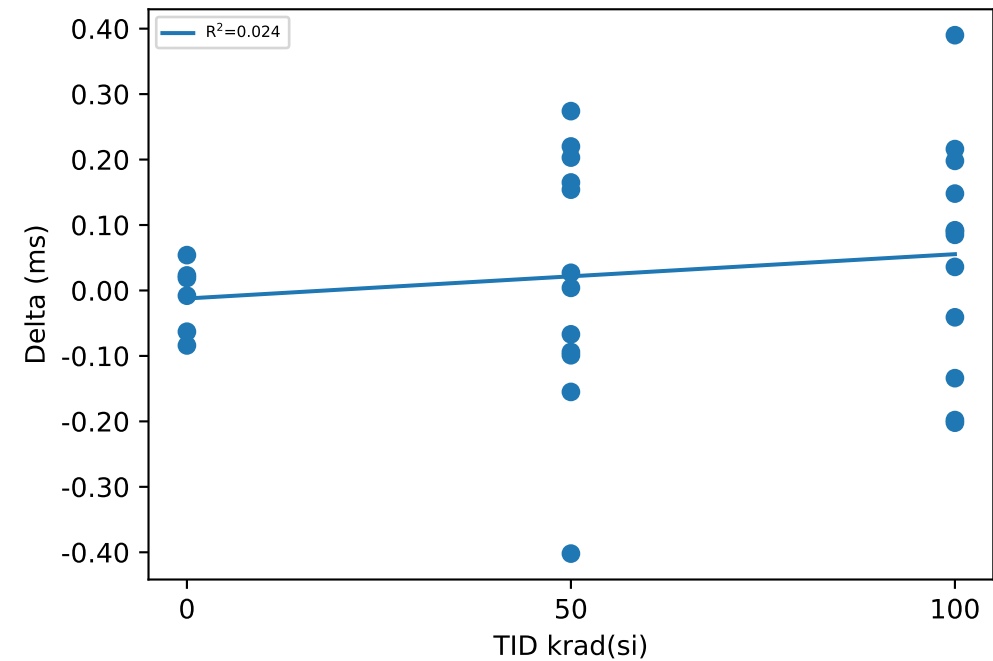
TID vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 23.848     | 23.902      | 0.054  |
| 201      | 0        | Correlation         | 23.573     | 23.51       | -0.063 |
| 202      | 0        | Correlation         | 23.31      | 23.226      | -0.084 |
| 203      | 50       | Biased              | 23.623     | 23.843      | 0.22   |
| 204      | 50       | Biased              | 23.315     | 23.48       | 0.165  |
| 205      | 50       | Biased              | 24.114     | 24.268      | 0.154  |
| 206      | 50       | Biased              | 24.278     | 24.305      | 0.027  |
| 207      | 50       | Biased              | 23.022     | 23.296      | 0.274  |
| 208      | 50       | Biased              | 23.901     | 24.104      | 0.203  |
| 209      | 50       | Unbiased            | 23.508     | 23.414      | -0.094 |
| 210      | 50       | Unbiased            | 23.447     | 23.451      | 0.004  |
| 211      | 50       | Unbiased            | 24.074     | 23.672      | -0.402 |
| 212      | 50       | Unbiased            | 23.608     | 23.453      | -0.155 |
| 213      | 50       | Unbiased            | 23.784     | 23.685      | -0.099 |
| 214      | 50       | Unbiased            | 23.981     | 23.914      | -0.067 |
| 1200     | 0        | Correlation         | 23.848     | 23.871      | 0.023  |
| 1201     | 0        | Correlation         | 23.573     | 23.592      | 0.019  |
| 1202     | 0        | Correlation         | 23.31      | 23.302      | -0.008 |
| 1203     | 100      | Biased              | 23.623     | 24.013      | 0.39   |
| 1204     | 100      | Biased              | 23.315     | 23.274      | -0.041 |
| 1205     | 100      | Biased              | 24.114     | 24.33       | 0.216  |
| 1206     | 100      | Biased              | 24.278     | 24.368      | 0.09   |
| 1207     | 100      | Biased              | 23.022     | 23.22       | 0.198  |
| 1208     | 100      | Biased              | 23.901     | 23.937      | 0.036  |
| 1209     | 100      | Unbiased            | 23.508     | 23.31       | -0.198 |
| 1210     | 100      | Unbiased            | 23.447     | 23.539      | 0.092  |
| 1211     | 100      | Unbiased            | 24.074     | 23.872      | -0.202 |
| 1212     | 100      | Unbiased            | 23.608     | 23.756      | 0.148  |
| 1213     | 100      | Unbiased            | 23.784     | 23.65       | -0.134 |
| 1214     | 100      | Unbiased            | 23.981     | 24.066      | 0.085  |

TID vs Post - Pre Exposure Delta

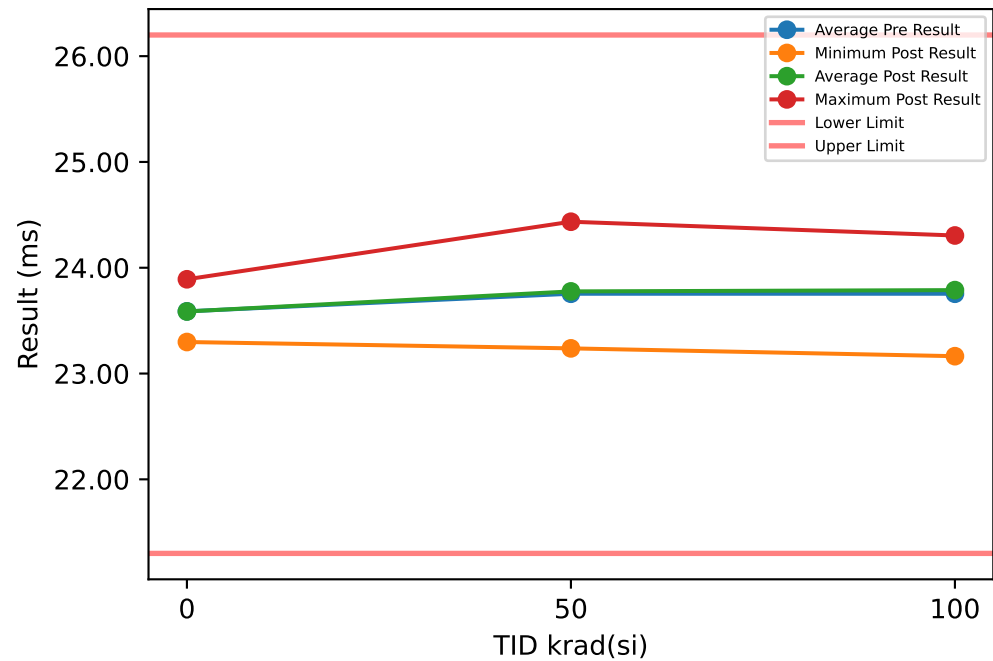


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 23.31            | 23.577           | 23.848           | 0.24062          | 23.226            | 23.567            | 23.902            | 0.28108           | -0.084    | -0.0098333 | 0.054     | 0.053507  |
| 50       | 23.022           | 23.721           | 24.278           | 0.36798          | 23.296            | 23.74             | 24.305            | 0.34588           | -0.402    | 0.019167   | 0.274     | 0.19557   |
| 100      | 23.022           | 23.721           | 24.278           | 0.36798          | 23.22             | 23.778            | 24.368            | 0.39121           | -0.202    | 0.056667   | 0.39      | 0.17737   |

Device Test: 5.90 ; DLY\_TMR\_1MOHM

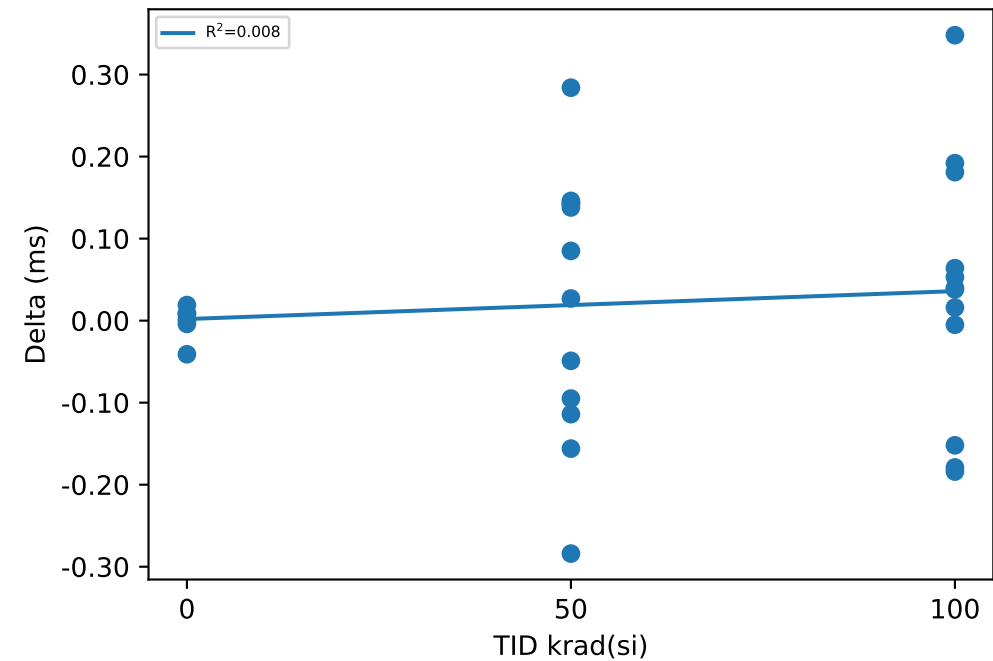
TID vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 23.872     | 23.891      | 0.019  |
| 201      | 0        | Correlation         | 23.553     | 23.562      | 0.009  |
| 202      | 0        | Correlation         | 23.339     | 23.34       | 0.001  |
| 203      | 50       | Biased              | 23.72      | 23.805      | 0.085  |
| 204      | 50       | Biased              | 23.253     | 23.537      | 0.284  |
| 205      | 50       | Biased              | 24.119     | 24.262      | 0.143  |
| 206      | 50       | Biased              | 24.289     | 24.435      | 0.146  |
| 207      | 50       | Biased              | 23.1       | 23.238      | 0.138  |
| 208      | 50       | Biased              | 24.002     | 24.144      | 0.142  |
| 209      | 50       | Unbiased            | 23.453     | 23.404      | -0.049 |
| 210      | 50       | Unbiased            | 23.448     | 23.475      | 0.027  |
| 211      | 50       | Unbiased            | 24.087     | 23.803      | -0.284 |
| 212      | 50       | Unbiased            | 23.608     | 23.494      | -0.114 |
| 213      | 50       | Unbiased            | 23.896     | 23.801      | -0.095 |
| 214      | 50       | Unbiased            | 24.076     | 23.92       | -0.156 |
| 1200     | 0        | Correlation         | 23.872     | 23.88       | 0.008  |
| 1201     | 0        | Correlation         | 23.553     | 23.549      | -0.004 |
| 1202     | 0        | Correlation         | 23.339     | 23.298      | -0.041 |
| 1203     | 100      | Biased              | 23.72      | 24.068      | 0.348  |
| 1204     | 100      | Biased              | 23.253     | 23.306      | 0.053  |
| 1205     | 100      | Biased              | 24.119     | 24.3        | 0.181  |
| 1206     | 100      | Biased              | 24.289     | 24.305      | 0.016  |
| 1207     | 100      | Biased              | 23.1       | 23.164      | 0.064  |
| 1208     | 100      | Biased              | 24.002     | 24.04       | 0.038  |
| 1209     | 100      | Unbiased            | 23.453     | 23.269      | -0.184 |
| 1210     | 100      | Unbiased            | 23.448     | 23.443      | -0.005 |
| 1211     | 100      | Unbiased            | 24.087     | 23.908      | -0.179 |
| 1212     | 100      | Unbiased            | 23.608     | 23.8        | 0.192  |
| 1213     | 100      | Unbiased            | 23.896     | 23.744      | -0.152 |
| 1214     | 100      | Unbiased            | 24.076     | 24.116      | 0.04   |

TID vs Post - Pre Exposure Delta

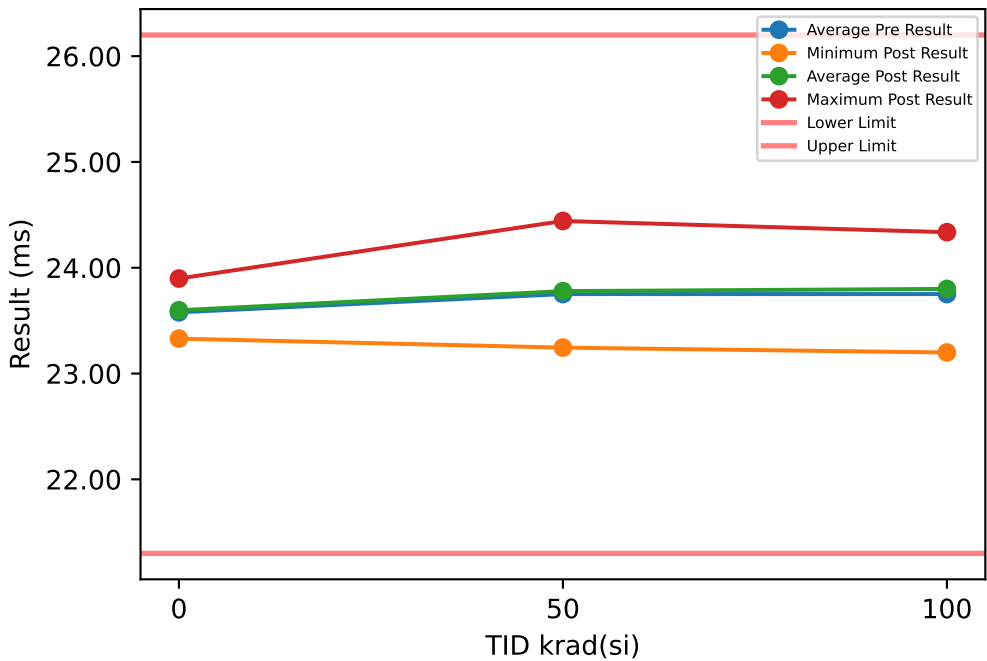


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 23.339           | 23.588           | 23.872           | 0.2399           | 23.298            | 23.587            | 23.891            | 0.2549            | -0.041    | -0.0013333 | 0.019     | 0.020944  |
| 50       | 23.1             | 23.754           | 24.289           | 0.38152          | 23.238            | 23.776            | 24.435            | 0.36729           | -0.284    | 0.02225    | 0.284     | 0.16322   |
| 100      | 23.1             | 23.754           | 24.289           | 0.38152          | 23.164            | 23.789            | 24.305            | 0.40514           | -0.184    | 0.034333   | 0.348     | 0.15835   |

Device Test: 5.91 ; DLY\_TMR\_1MOHM

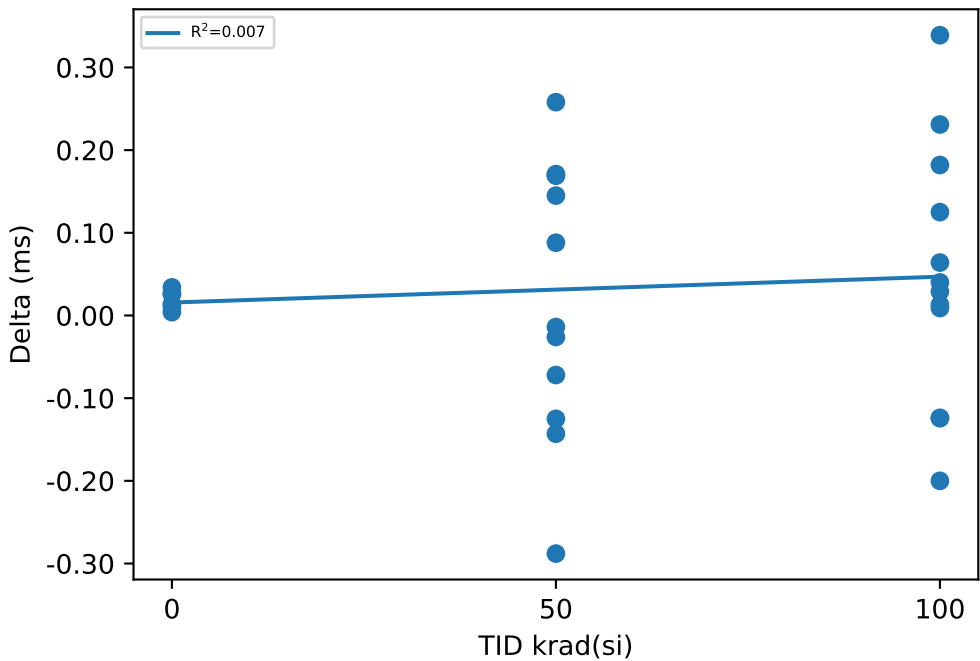
TID vs Result Stats



Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 23.884     | 23.898      | 0.014  |
| 201      | 0        | Correlation         | 23.533     | 23.567      | 0.034  |
| 202      | 0        | Correlation         | 23.319     | 23.345      | 0.026  |
| 203      | 50       | Biased              | 23.725     | 23.813      | 0.088  |
| 204      | 50       | Biased              | 23.285     | 23.543      | 0.258  |
| 205      | 50       | Biased              | 24.098     | 24.267      | 0.169  |
| 206      | 50       | Biased              | 24.272     | 24.442      | 0.17   |
| 207      | 50       | Biased              | 23.074     | 23.245      | 0.171  |
| 208      | 50       | Biased              | 24.007     | 24.152      | 0.145  |
| 209      | 50       | Unbiased            | 23.424     | 23.41       | -0.014 |
| 210      | 50       | Unbiased            | 23.454     | 23.428      | -0.026 |
| 211      | 50       | Unbiased            | 24.095     | 23.807      | -0.288 |
| 212      | 50       | Unbiased            | 23.626     | 23.501      | -0.125 |
| 213      | 50       | Unbiased            | 23.88      | 23.808      | -0.072 |
| 214      | 50       | Unbiased            | 24.075     | 23.932      | -0.143 |
| 1200     | 0        | Correlation         | 23.884     | 23.888      | 0.004  |
| 1201     | 0        | Correlation         | 23.533     | 23.559      | 0.026  |
| 1202     | 0        | Correlation         | 23.319     | 23.33       | 0.011  |
| 1203     | 100      | Biased              | 23.725     | 24.064      | 0.339  |
| 1204     | 100      | Biased              | 23.285     | 23.294      | 0.009  |
| 1205     | 100      | Biased              | 24.098     | 24.329      | 0.231  |
| 1206     | 100      | Biased              | 24.272     | 24.336      | 0.064  |
| 1207     | 100      | Biased              | 23.074     | 23.199      | 0.125  |
| 1208     | 100      | Biased              | 24.007     | 24.047      | 0.04   |
| 1209     | 100      | Unbiased            | 23.424     | 23.3        | -0.124 |
| 1210     | 100      | Unbiased            | 23.454     | 23.467      | 0.013  |
| 1211     | 100      | Unbiased            | 24.095     | 23.895      | -0.2   |
| 1212     | 100      | Unbiased            | 23.626     | 23.808      | 0.182  |
| 1213     | 100      | Unbiased            | 23.88      | 23.756      | -0.124 |
| 1214     | 100      | Unbiased            | 24.075     | 24.104      | 0.029  |

TID vs Post - Pre Exposure Delta

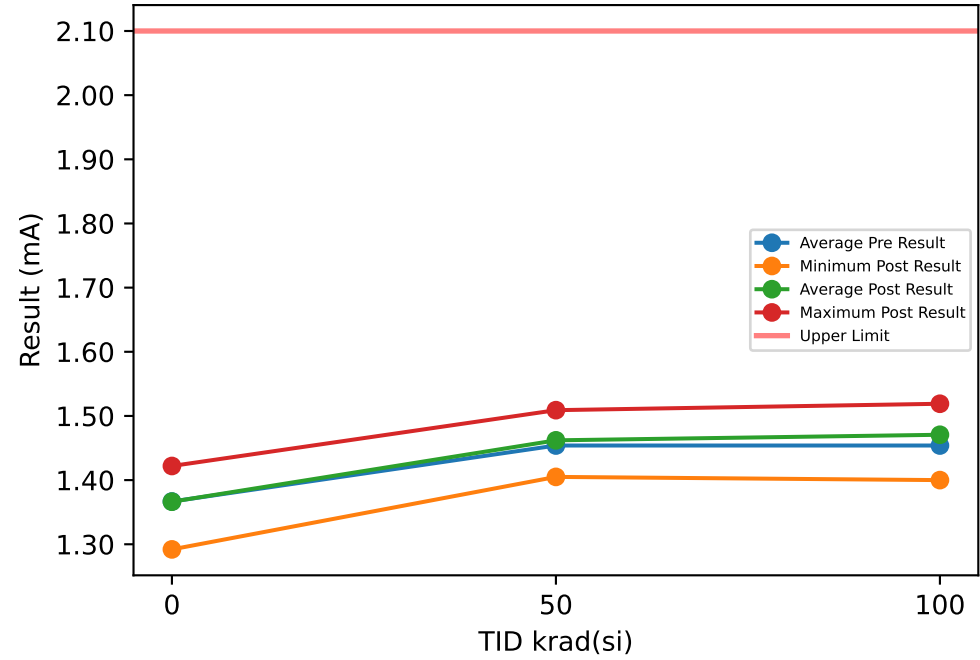


Test Statistics (ms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 23.319           | 23.579           | 23.884           | 0.25514          | 23.33             | 23.598            | 23.898            | 0.24997           | 0.004     | 0.019167  | 0.034     | 0.011286  |
| 50       | 23.074           | 23.751           | 24.272           | 0.3795           | 23.245            | 23.779            | 24.442            | 0.37179           | -0.288    | 0.02775   | 0.258     | 0.16456   |
| 100      | 23.074           | 23.751           | 24.272           | 0.3795           | 23.199            | 23.8              | 24.336            | 0.4022            | -0.2      | 0.048667  | 0.339     | 0.15555   |

Device Test: 6.0 ; ISD

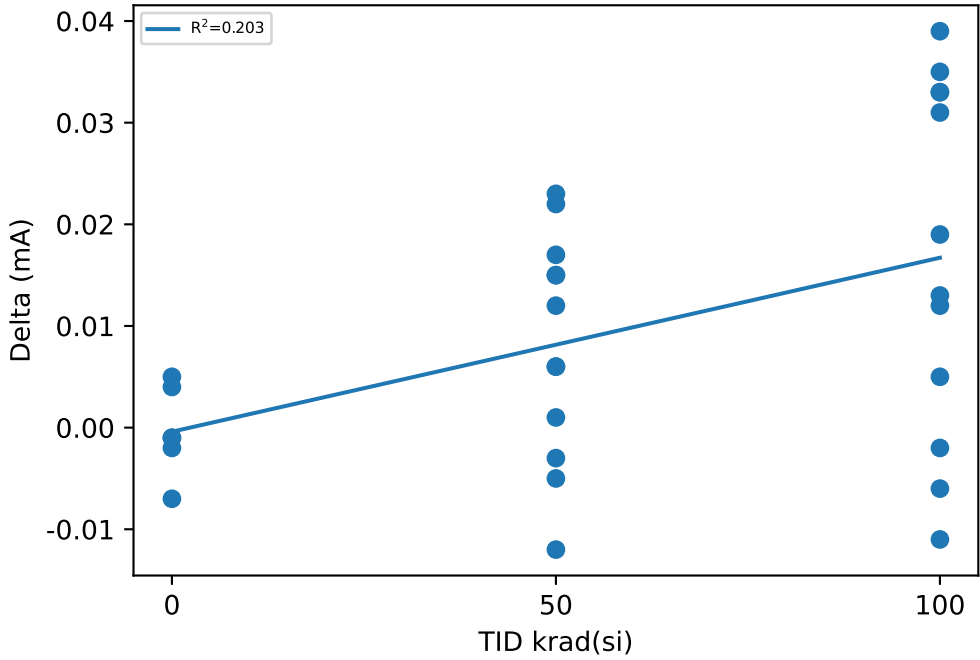
TID vs Result Stats



Test Results (Upper Limit = 2.1 (mA))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 1.424      | 1.417       | -0.007 |
| 201      | 0        | Correlation         | 1.293      | 1.292       | -0.001 |
| 202      | 0        | Correlation         | 1.383      | 1.382       | -0.001 |
| 203      | 50       | Biased              | 1.475      | 1.463       | -0.012 |
| 204      | 50       | Biased              | 1.415      | 1.416       | 0.001  |
| 205      | 50       | Biased              | 1.441      | 1.447       | 0.006  |
| 206      | 50       | Biased              | 1.488      | 1.5         | 0.012  |
| 207      | 50       | Biased              | 1.448      | 1.463       | 0.015  |
| 208      | 50       | Biased              | 1.467      | 1.462       | -0.005 |
| 209      | 50       | Unbiased            | 1.449      | 1.464       | 0.015  |
| 210      | 50       | Unbiased            | 1.487      | 1.509       | 0.022  |
| 211      | 50       | Unbiased            | 1.43       | 1.436       | 0.006  |
| 212      | 50       | Unbiased            | 1.388      | 1.405       | 0.017  |
| 213      | 50       | Unbiased            | 1.452      | 1.475       | 0.023  |
| 214      | 50       | Unbiased            | 1.507      | 1.504       | -0.003 |
| 1200     | 0        | Correlation         | 1.424      | 1.422       | -0.002 |
| 1201     | 0        | Correlation         | 1.293      | 1.297       | 0.004  |
| 1202     | 0        | Correlation         | 1.383      | 1.388       | 0.005  |
| 1203     | 100      | Biased              | 1.475      | 1.488       | 0.013  |
| 1204     | 100      | Biased              | 1.415      | 1.404       | -0.011 |
| 1205     | 100      | Biased              | 1.441      | 1.439       | -0.002 |
| 1206     | 100      | Biased              | 1.488      | 1.519       | 0.031  |
| 1207     | 100      | Biased              | 1.448      | 1.487       | 0.039  |
| 1208     | 100      | Biased              | 1.467      | 1.461       | -0.006 |
| 1209     | 100      | Unbiased            | 1.449      | 1.482       | 0.033  |
| 1210     | 100      | Unbiased            | 1.487      | 1.506       | 0.019  |
| 1211     | 100      | Unbiased            | 1.43       | 1.463       | 0.033  |
| 1212     | 100      | Unbiased            | 1.388      | 1.4         | 0.012  |
| 1213     | 100      | Unbiased            | 1.452      | 1.487       | 0.035  |
| 1214     | 100      | Unbiased            | 1.507      | 1.512       | 0.005  |

TID vs Post - Pre Exposure Delta

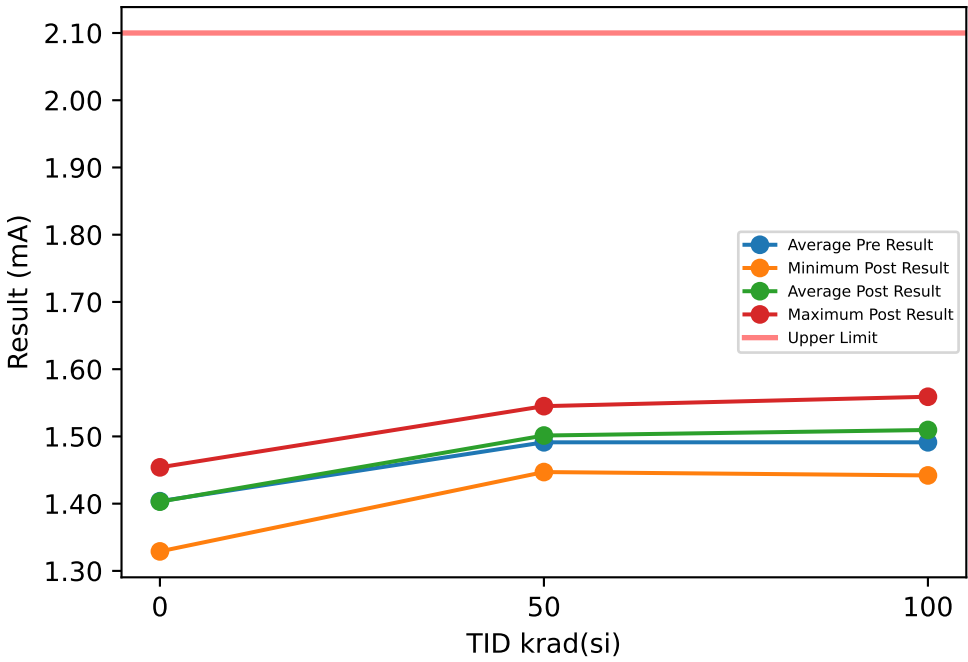


Test Statistics (mA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|-----------|
| 0        | 1.293            | 1.3667           | 1.424            | 0.059936         | 1.292             | 1.3663            | 1.422             | 0.057816          | -0.007    | -0.00033333 | 0.005     | 0.0043665 |
| 50       | 1.388            | 1.4539           | 1.507            | 0.033508         | 1.405             | 1.462             | 1.509             | 0.032833          | -0.012    | 0.0080833   | 0.023     | 0.011131  |
| 100      | 1.388            | 1.4539           | 1.507            | 0.033508         | 1.4               | 1.4707            | 1.519             | 0.039137          | -0.011    | 0.01675     | 0.039     | 0.017525  |

Device Test: 6.1 ; ISD

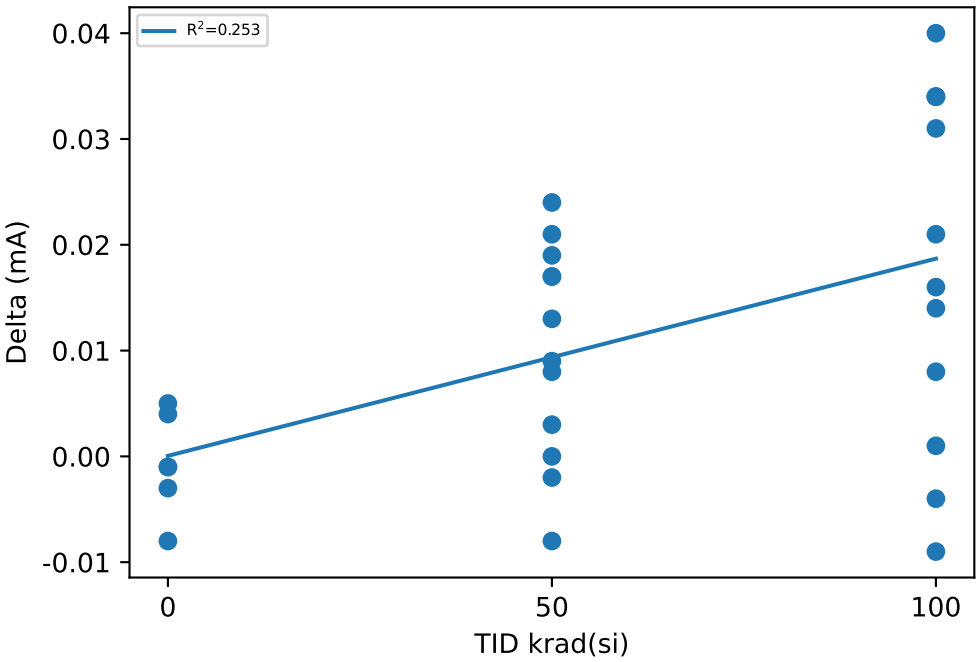
TID vs Result Stats



Test Results (Upper Limit = 2.1 (mA))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 1.457      | 1.449       | -0.008 |
| 201      | 0        | Correlation         | 1.33       | 1.329       | -0.001 |
| 202      | 0        | Correlation         | 1.424      | 1.423       | -0.001 |
| 203      | 50       | Biased              | 1.51       | 1.502       | -0.008 |
| 204      | 50       | Biased              | 1.451      | 1.454       | 0.003  |
| 205      | 50       | Biased              | 1.477      | 1.485       | 0.008  |
| 206      | 50       | Biased              | 1.528      | 1.541       | 0.013  |
| 207      | 50       | Biased              | 1.487      | 1.504       | 0.017  |
| 208      | 50       | Biased              | 1.5        | 1.498       | -0.002 |
| 209      | 50       | Unbiased            | 1.487      | 1.504       | 0.017  |
| 210      | 50       | Unbiased            | 1.521      | 1.545       | 0.024  |
| 211      | 50       | Unbiased            | 1.47       | 1.479       | 0.009  |
| 212      | 50       | Unbiased            | 1.428      | 1.447       | 0.019  |
| 213      | 50       | Unbiased            | 1.494      | 1.515       | 0.021  |
| 214      | 50       | Unbiased            | 1.542      | 1.542       | 0      |
| 1200     | 0        | Correlation         | 1.457      | 1.454       | -0.003 |
| 1201     | 0        | Correlation         | 1.33       | 1.335       | 0.005  |
| 1202     | 0        | Correlation         | 1.424      | 1.428       | 0.004  |
| 1203     | 100      | Biased              | 1.51       | 1.526       | 0.016  |
| 1204     | 100      | Biased              | 1.451      | 1.442       | -0.009 |
| 1205     | 100      | Biased              | 1.477      | 1.478       | 0.001  |
| 1206     | 100      | Biased              | 1.528      | 1.559       | 0.031  |
| 1207     | 100      | Biased              | 1.487      | 1.527       | 0.04   |
| 1208     | 100      | Biased              | 1.5        | 1.496       | -0.004 |
| 1209     | 100      | Unbiased            | 1.487      | 1.521       | 0.034  |
| 1210     | 100      | Unbiased            | 1.521      | 1.542       | 0.021  |
| 1211     | 100      | Unbiased            | 1.47       | 1.504       | 0.034  |
| 1212     | 100      | Unbiased            | 1.428      | 1.442       | 0.014  |
| 1213     | 100      | Unbiased            | 1.494      | 1.528       | 0.034  |
| 1214     | 100      | Unbiased            | 1.542      | 1.55        | 0.008  |

TID vs Post - Pre Exposure Delta

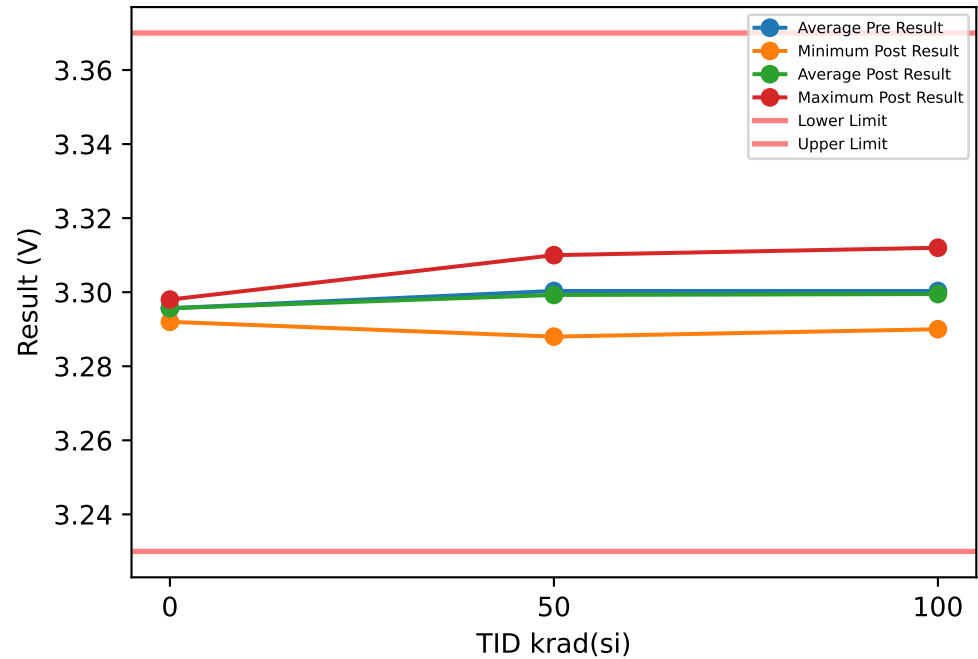


Test Statistics (mA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|-----------|
| 0        | 1.33             | 1.4037           | 1.457            | 0.05894          | 1.329             | 1.403             | 1.454             | 0.056289          | -0.008    | -0.00066667 | 0.005     | 0.004761  |
| 50       | 1.428            | 1.4912           | 1.542            | 0.032415         | 1.447             | 1.5013            | 1.545             | 0.032058          | -0.008    | 0.010083    | 0.024     | 0.010122  |
| 100      | 1.428            | 1.4912           | 1.542            | 0.032415         | 1.442             | 1.5096            | 1.559             | 0.03875           | -0.009    | 0.018333    | 0.04      | 0.016653  |

Device Test: 6.10 ; VLDO\_REG

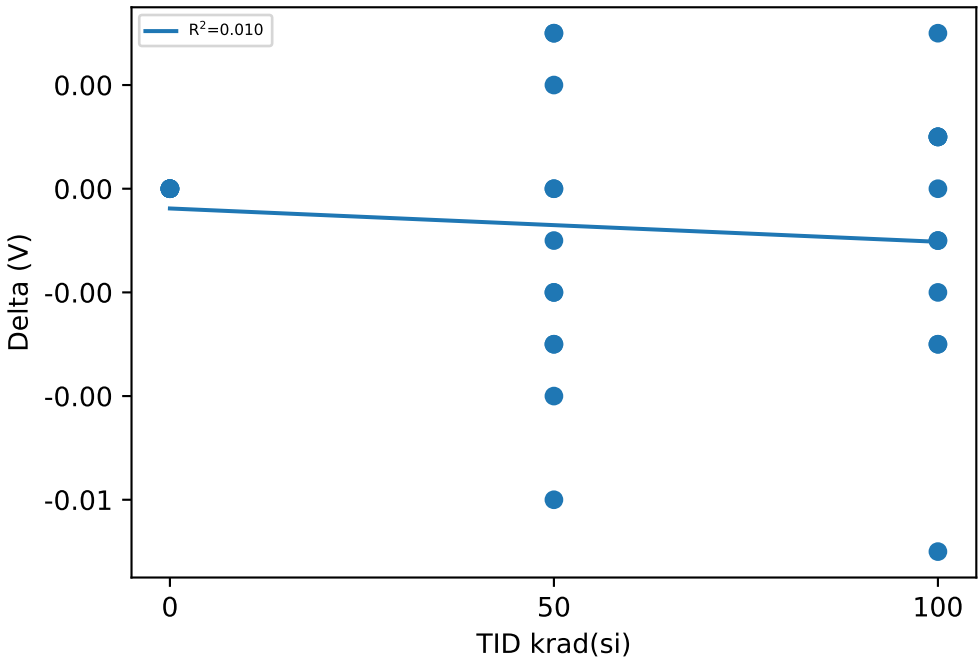
TID vs Result Stats



Test Results (Lower Limit = 3.23, Upper Limit = 3.37 (V))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 3.298      | 3.298       | 0      |
| 201      | 0        | Correlation         | 3.292      | 3.292       | 0      |
| 202      | 0        | Correlation         | 3.297      | 3.297       | 0      |
| 203      | 50       | Biased              | 3.292      | 3.295       | 0.003  |
| 204      | 50       | Biased              | 3.298      | 3.295       | -0.003 |
| 205      | 50       | Biased              | 3.304      | 3.298       | -0.006 |
| 206      | 50       | Biased              | 3.307      | 3.303       | -0.004 |
| 207      | 50       | Biased              | 3.298      | 3.296       | -0.002 |
| 208      | 50       | Biased              | 3.291      | 3.291       | 0      |
| 209      | 50       | Unbiased            | 3.299      | 3.299       | 0      |
| 210      | 50       | Unbiased            | 3.305      | 3.303       | -0.002 |
| 211      | 50       | Unbiased            | 3.311      | 3.31        | -0.001 |
| 212      | 50       | Unbiased            | 3.291      | 3.288       | -0.003 |
| 213      | 50       | Unbiased            | 3.307      | 3.309       | 0.002  |
| 214      | 50       | Unbiased            | 3.301      | 3.304       | 0.003  |
| 1200     | 0        | Correlation         | 3.298      | 3.298       | 0      |
| 1201     | 0        | Correlation         | 3.292      | 3.292       | 0      |
| 1202     | 0        | Correlation         | 3.297      | 3.297       | 0      |
| 1203     | 100      | Biased              | 3.292      | 3.293       | 0.001  |
| 1204     | 100      | Biased              | 3.298      | 3.295       | -0.003 |
| 1205     | 100      | Biased              | 3.304      | 3.297       | -0.007 |
| 1206     | 100      | Biased              | 3.307      | 3.307       | 0      |
| 1207     | 100      | Biased              | 3.298      | 3.296       | -0.002 |
| 1208     | 100      | Biased              | 3.291      | 3.292       | 0.001  |
| 1209     | 100      | Unbiased            | 3.299      | 3.296       | -0.003 |
| 1210     | 100      | Unbiased            | 3.305      | 3.304       | -0.001 |
| 1211     | 100      | Unbiased            | 3.311      | 3.312       | 0.001  |
| 1212     | 100      | Unbiased            | 3.291      | 3.29        | -0.001 |
| 1213     | 100      | Unbiased            | 3.307      | 3.31        | 0.003  |
| 1214     | 100      | Unbiased            | 3.301      | 3.302       | 0.001  |

TID vs Post - Pre Exposure Delta



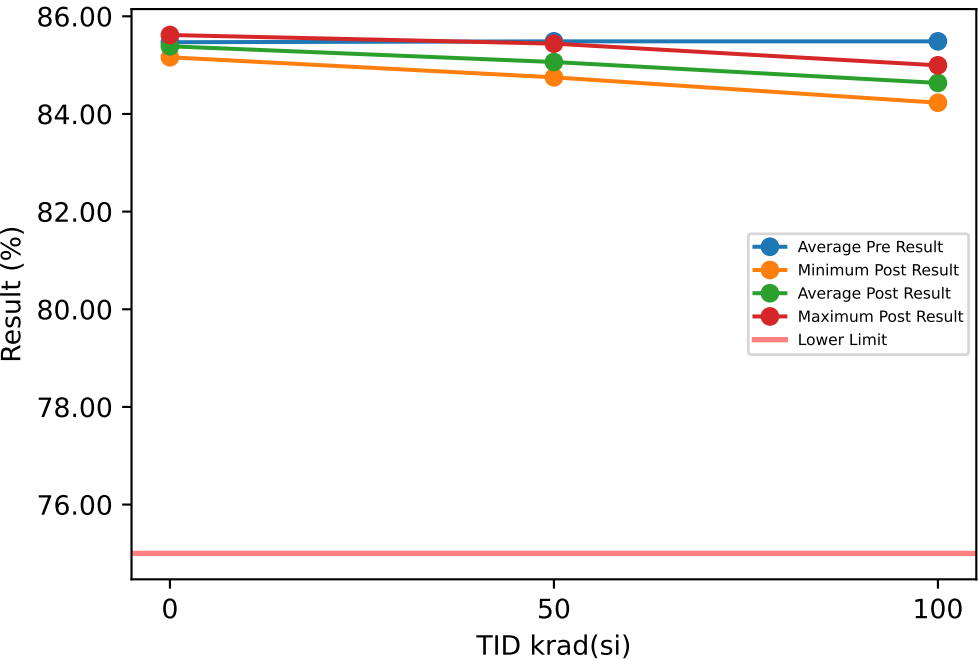
Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|-----------|
| 0        | 3.292            | 3.2957           | 3.298            | 0.0028752        | 3.292             | 3.2957            | 3.298             | 0.0028752         | 0         | 0           | 0         | 0         |
| 50       | 3.291            | 3.3003           | 3.311            | 0.0067059        | 3.288             | 3.2993            | 3.31              | 0.0067706         | -0.006    | -0.0010833  | 0.003     | 0.002811  |
| 100      | 3.291            | 3.3003           | 3.311            | 0.0067059        | 3.29              | 3.2995            | 3.312             | 0.0073175         | -0.007    | -0.00083333 | 0.003     | 0.0026572 |



Device Test: 6.100; VOH\_PWRGD\_10MA

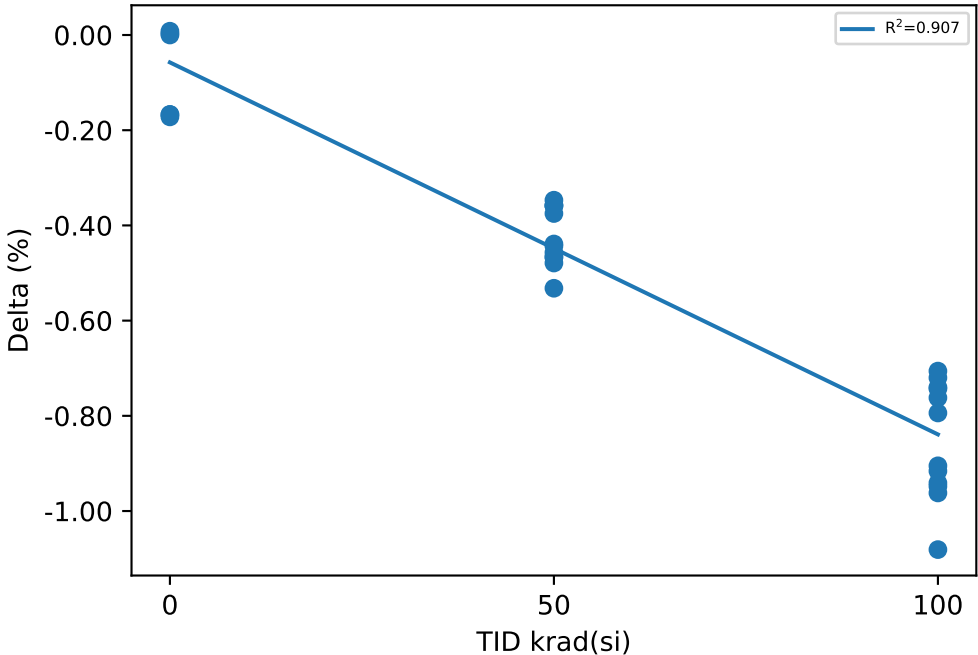
TID vs Result Stats



Test Results (Lower Limit = 75.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 85.464     | 85.472      | 0.008  |
| 201      | 0        | Correlation         | 85.614     | 85.617      | 0.003  |
| 202      | 0        | Correlation         | 85.328     | 85.328      | 0      |
| 203      | 50       | Biased              | 85.605     | 85.166      | -0.439 |
| 204      | 50       | Biased              | 85.679     | 85.236      | -0.443 |
| 205      | 50       | Biased              | 85.409     | 84.942      | -0.467 |
| 206      | 50       | Biased              | 85.229     | 84.75       | -0.479 |
| 207      | 50       | Biased              | 85.438     | 84.972      | -0.466 |
| 208      | 50       | Biased              | 85.736     | 85.279      | -0.457 |
| 209      | 50       | Unbiased            | 85.468     | 85.109      | -0.359 |
| 210      | 50       | Unbiased            | 85.479     | 85.121      | -0.358 |
| 211      | 50       | Unbiased            | 85.311     | 84.779      | -0.532 |
| 212      | 50       | Unbiased            | 85.787     | 85.44       | -0.347 |
| 213      | 50       | Unbiased            | 85.325     | 84.95       | -0.375 |
| 214      | 50       | Unbiased            | 85.378     | 85.02       | -0.358 |
| 1200     | 0        | Correlation         | 85.464     | 85.292      | -0.172 |
| 1201     | 0        | Correlation         | 85.614     | 85.447      | -0.167 |
| 1202     | 0        | Correlation         | 85.328     | 85.161      | -0.167 |
| 1203     | 100      | Biased              | 85.605     | 84.885      | -0.72  |
| 1204     | 100      | Biased              | 85.679     | 84.973      | -0.706 |
| 1205     | 100      | Biased              | 85.409     | 84.666      | -0.743 |
| 1206     | 100      | Biased              | 85.229     | 84.435      | -0.794 |
| 1207     | 100      | Biased              | 85.438     | 84.676      | -0.762 |
| 1208     | 100      | Biased              | 85.736     | 84.996      | -0.74  |
| 1209     | 100      | Unbiased            | 85.468     | 84.527      | -0.941 |
| 1210     | 100      | Unbiased            | 85.479     | 84.563      | -0.916 |
| 1211     | 100      | Unbiased            | 85.311     | 84.23       | -1.081 |
| 1212     | 100      | Unbiased            | 85.787     | 84.882      | -0.905 |
| 1213     | 100      | Unbiased            | 85.325     | 84.363      | -0.962 |
| 1214     | 100      | Unbiased            | 85.378     | 84.43       | -0.948 |

TID vs Post - Pre Exposure Delta

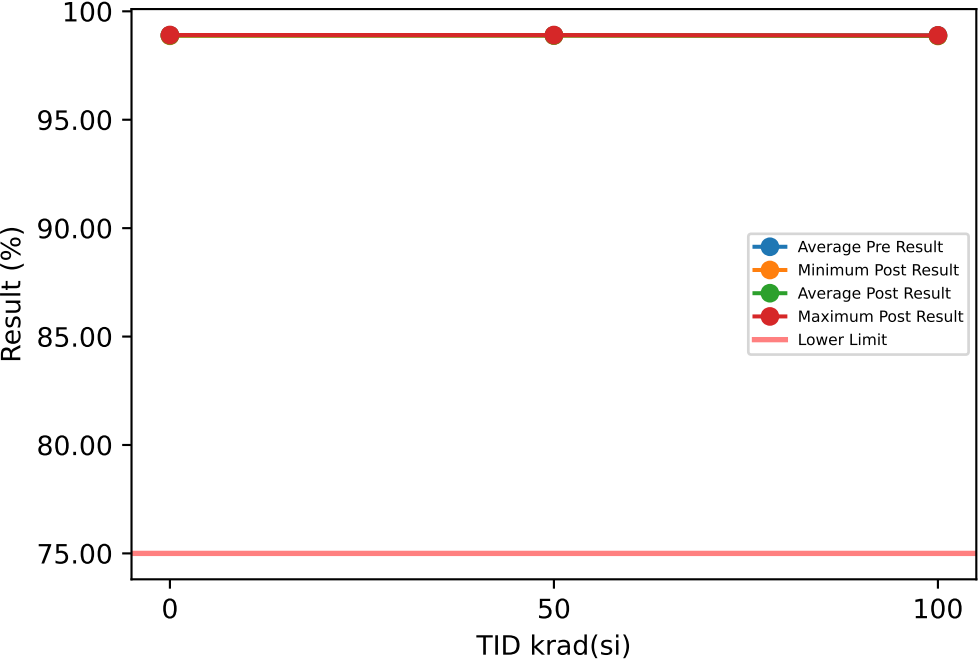


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 85.328           | 85.469           | 85.614           | 0.12795          | 85.161            | 85.386            | 85.617            | 0.15956           | -0.172    | -0.0825   | 0.008     | 0.094443  |
| 50       | 85.229           | 85.487           | 85.787           | 0.1777           | 84.75             | 85.064            | 85.44             | 0.20248           | -0.532    | -0.42333  | -0.347    | 0.061229  |
| 100      | 85.229           | 85.487           | 85.787           | 0.1777           | 84.23             | 84.635            | 84.996            | 0.25363           | -1.081    | -0.8515   | -0.706    | 0.12181   |

Device Test: 6.101; VOH\_RESET\_10MA

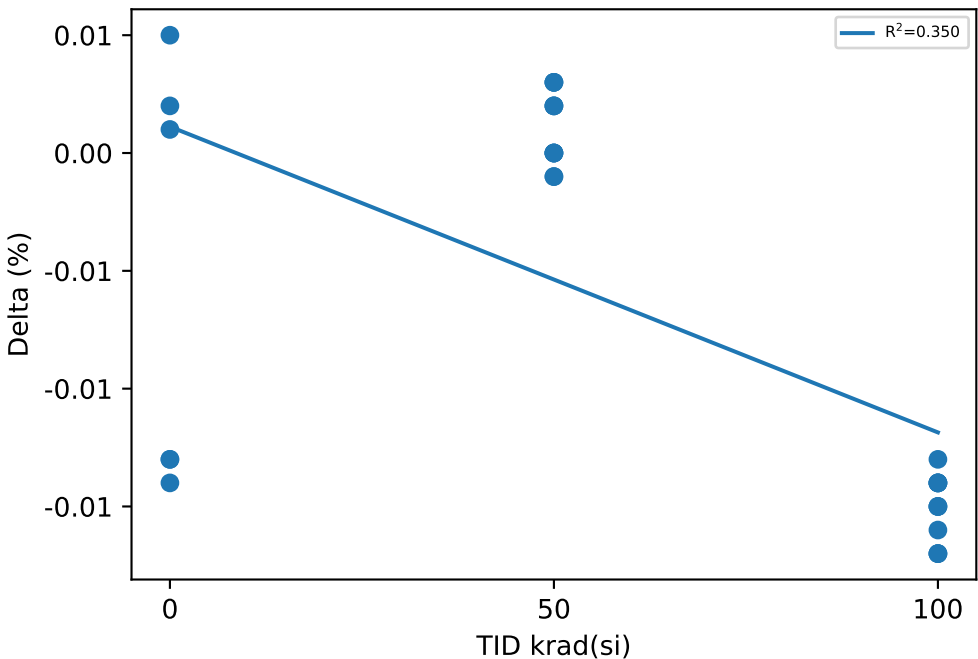
TID vs Result Stats



Test Results (Lower Limit = 75.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 98.893     | 98.898      | 0.005  |
| 201      | 0        | Correlation         | 98.906     | 98.908      | 0.002  |
| 202      | 0        | Correlation         | 98.884     | 98.885      | 0.001  |
| 203      | 50       | Biased              | 98.891     | 98.893      | 0.002  |
| 204      | 50       | Biased              | 98.887     | 98.889      | 0.002  |
| 205      | 50       | Biased              | 98.887     | 98.89       | 0.003  |
| 206      | 50       | Biased              | 98.884     | 98.887      | 0.003  |
| 207      | 50       | Biased              | 98.888     | 98.89       | 0.002  |
| 208      | 50       | Biased              | 98.895     | 98.895      | 0      |
| 209      | 50       | Unbiased            | 98.89      | 98.89       | 0      |
| 210      | 50       | Unbiased            | 98.891     | 98.89       | -0.001 |
| 211      | 50       | Unbiased            | 98.879     | 98.878      | -0.001 |
| 212      | 50       | Unbiased            | 98.906     | 98.906      | 0      |
| 213      | 50       | Unbiased            | 98.886     | 98.886      | 0      |
| 214      | 50       | Unbiased            | 98.894     | 98.897      | 0.003  |
| 1200     | 0        | Correlation         | 98.893     | 98.88       | -0.013 |
| 1201     | 0        | Correlation         | 98.906     | 98.893      | -0.013 |
| 1202     | 0        | Correlation         | 98.884     | 98.87       | -0.014 |
| 1203     | 100      | Biased              | 98.891     | 98.877      | -0.014 |
| 1204     | 100      | Biased              | 98.887     | 98.873      | -0.014 |
| 1205     | 100      | Biased              | 98.887     | 98.872      | -0.015 |
| 1206     | 100      | Biased              | 98.884     | 98.871      | -0.013 |
| 1207     | 100      | Biased              | 98.888     | 98.871      | -0.017 |
| 1208     | 100      | Biased              | 98.895     | 98.878      | -0.017 |
| 1209     | 100      | Unbiased            | 98.89      | 98.874      | -0.016 |
| 1210     | 100      | Unbiased            | 98.891     | 98.874      | -0.017 |
| 1211     | 100      | Unbiased            | 98.879     | 98.864      | -0.015 |
| 1212     | 100      | Unbiased            | 98.906     | 98.891      | -0.015 |
| 1213     | 100      | Unbiased            | 98.886     | 98.872      | -0.014 |
| 1214     | 100      | Unbiased            | 98.894     | 98.88       | -0.014 |

TID vs Post - Pre Exposure Delta

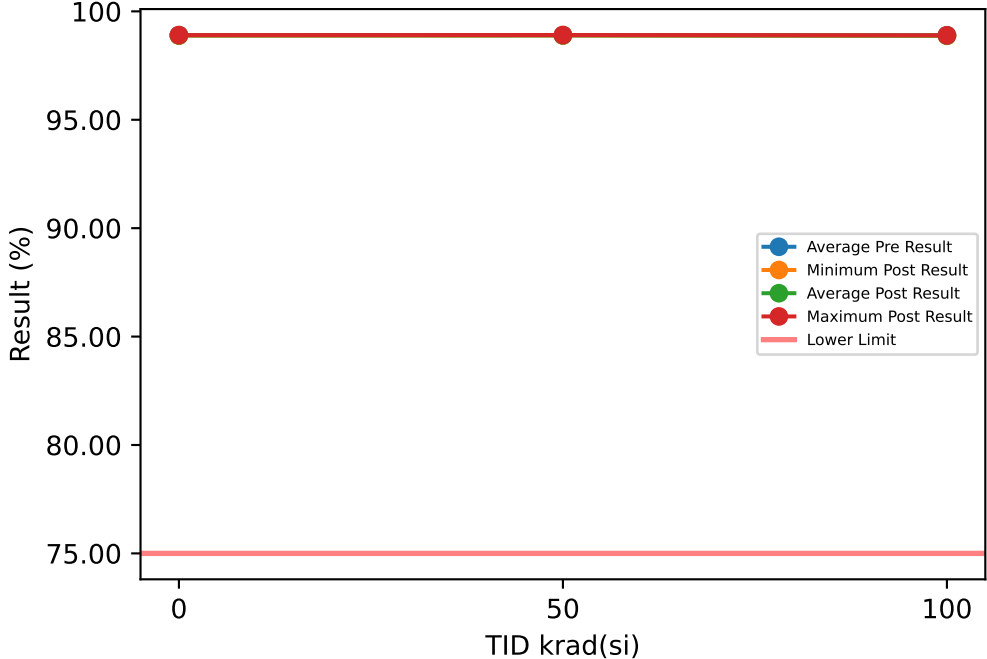


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 98.884           | 98.894           | 98.906           | 0.0098928        | 98.87             | 98.889            | 98.908            | 0.013535          | -0.014    | -0.0053333 | 0.005     | 0.0088694 |
| 50       | 98.879           | 98.89            | 98.906           | 0.0066992        | 98.878            | 98.891            | 98.906            | 0.0067347         | -0.001    | 0.0010833  | 0.003     | 0.0015643 |
| 100      | 98.879           | 98.89            | 98.906           | 0.0066992        | 98.864            | 98.875            | 98.891            | 0.0065383         | -0.017    | -0.015083  | -0.013    | 0.001379  |

Device Test: 6.102; VOH\_RESET\_10MA

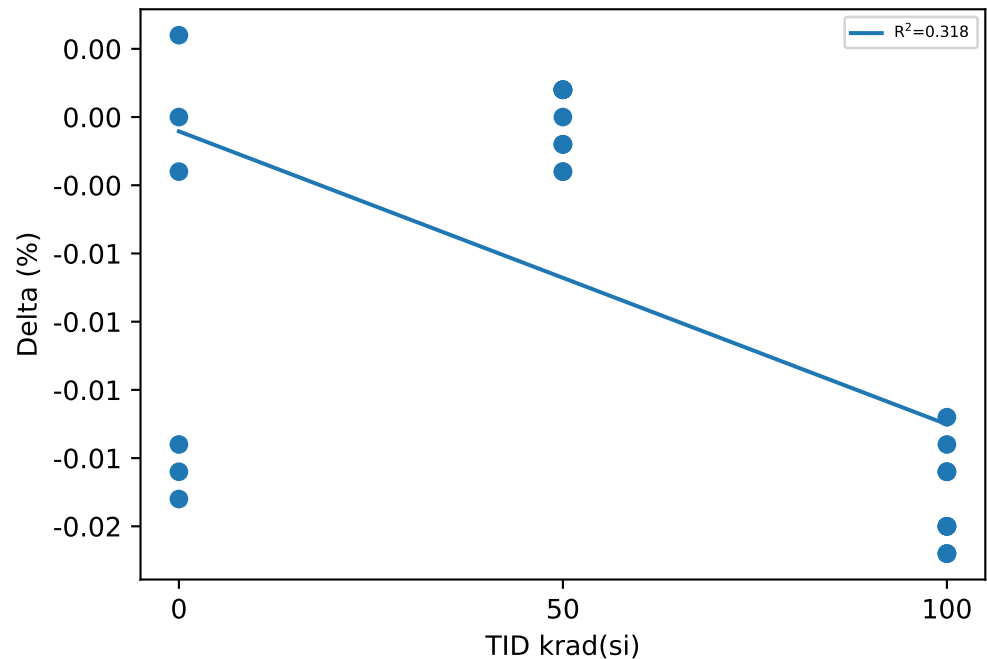
TID vs Result Stats



Test Results (Lower Limit = 75.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 98.897     | 98.9        | 0.003  |
| 201      | 0        | Correlation         | 98.906     | 98.906      | 0      |
| 202      | 0        | Correlation         | 98.894     | 98.892      | -0.002 |
| 203      | 50       | Biased              | 98.899     | 98.9        | 0.001  |
| 204      | 50       | Biased              | 98.892     | 98.893      | 0.001  |
| 205      | 50       | Biased              | 98.89      | 98.891      | 0.001  |
| 206      | 50       | Biased              | 98.89      | 98.891      | 0.001  |
| 207      | 50       | Biased              | 98.896     | 98.896      | 0      |
| 208      | 50       | Biased              | 98.904     | 98.903      | -0.001 |
| 209      | 50       | Unbiased            | 98.899     | 98.898      | -0.001 |
| 210      | 50       | Unbiased            | 98.897     | 98.895      | -0.002 |
| 211      | 50       | Unbiased            | 98.887     | 98.885      | -0.002 |
| 212      | 50       | Unbiased            | 98.911     | 98.91       | -0.001 |
| 213      | 50       | Unbiased            | 98.893     | 98.894      | 0.001  |
| 214      | 50       | Unbiased            | 98.903     | 98.904      | 0.001  |
| 1200     | 0        | Correlation         | 98.897     | 98.885      | -0.012 |
| 1201     | 0        | Correlation         | 98.906     | 98.893      | -0.013 |
| 1202     | 0        | Correlation         | 98.894     | 98.88       | -0.014 |
| 1203     | 100      | Biased              | 98.899     | 98.888      | -0.011 |
| 1204     | 100      | Biased              | 98.892     | 98.879      | -0.013 |
| 1205     | 100      | Biased              | 98.89      | 98.877      | -0.013 |
| 1206     | 100      | Biased              | 98.89      | 98.878      | -0.012 |
| 1207     | 100      | Biased              | 98.896     | 98.881      | -0.015 |
| 1208     | 100      | Biased              | 98.904     | 98.888      | -0.016 |
| 1209     | 100      | Unbiased            | 98.899     | 98.883      | -0.016 |
| 1210     | 100      | Unbiased            | 98.897     | 98.881      | -0.016 |
| 1211     | 100      | Unbiased            | 98.887     | 98.872      | -0.015 |
| 1212     | 100      | Unbiased            | 98.911     | 98.896      | -0.015 |
| 1213     | 100      | Unbiased            | 98.893     | 98.88       | -0.013 |
| 1214     | 100      | Unbiased            | 98.903     | 98.888      | -0.015 |

TID vs Post - Pre Exposure Delta

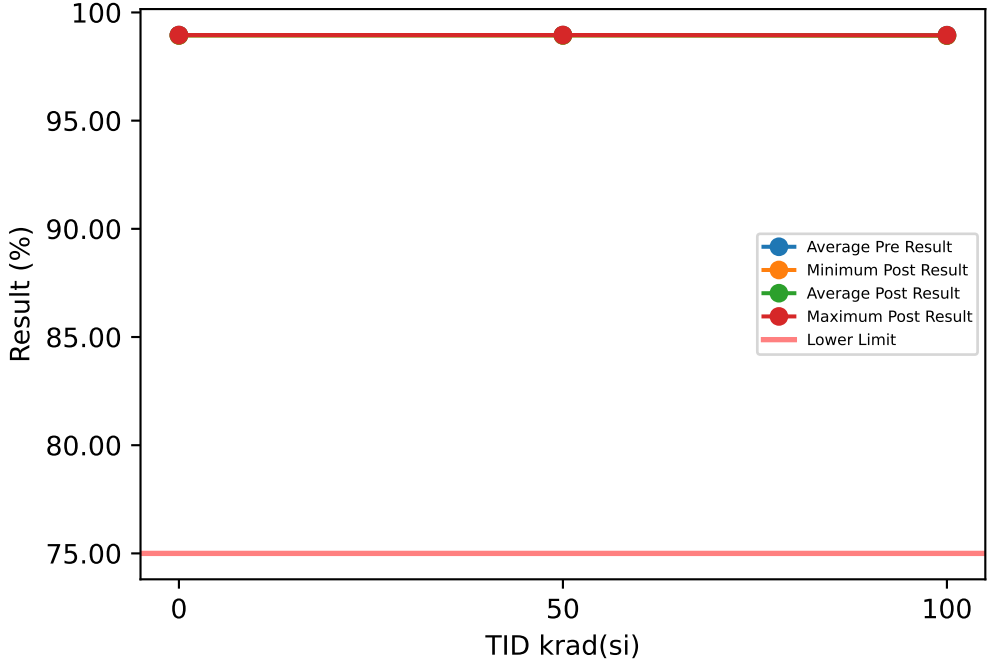


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|-----------|
| 0        | 98.894           | 98.899           | 98.906           | 0.0055857        | 98.88             | 98.893            | 98.906            | 0.0095009         | -0.014    | -0.0063333  | 0.003     | 0.0075011 |
| 50       | 98.887           | 98.897           | 98.911           | 0.0069298        | 98.885            | 98.897            | 98.91             | 0.0068002         | -0.002    | -8.3333e-05 | 0.001     | 0.0012401 |
| 100      | 98.887           | 98.897           | 98.911           | 0.0069298        | 98.872            | 98.883            | 98.896            | 0.006445          | -0.016    | -0.014167   | -0.011    | 0.0016967 |

Device Test: 6.103; VOH\_RESET\_10MA

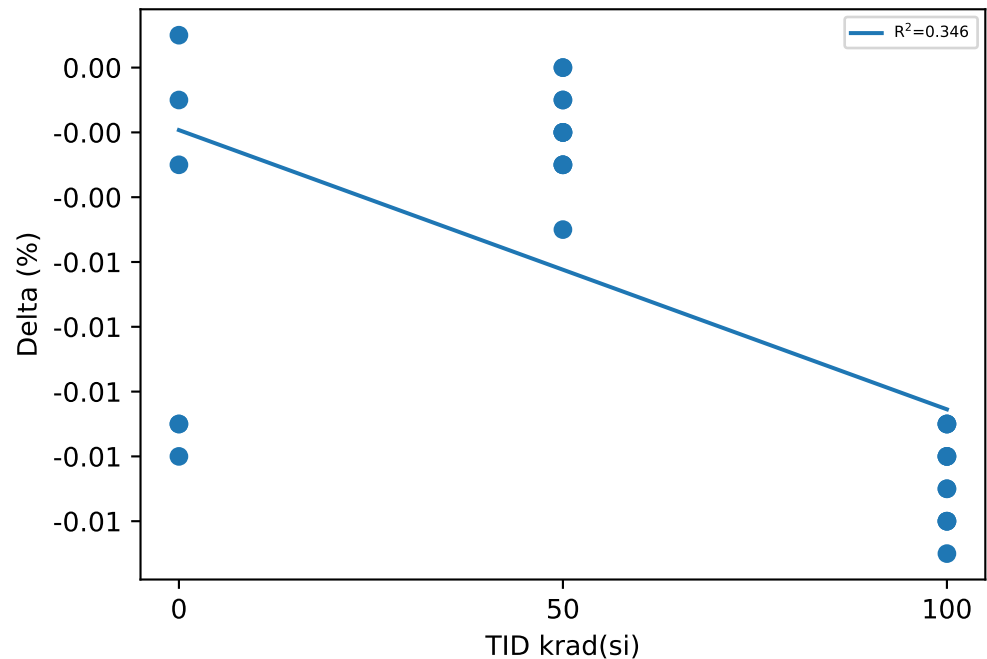
TID vs Result Stats



Test Results (Lower Limit = 75.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 98.95      | 98.951      | 0.001  |
| 201      | 0        | Correlation         | 98.957     | 98.956      | -0.001 |
| 202      | 0        | Correlation         | 98.945     | 98.942      | -0.003 |
| 203      | 50       | Biased              | 98.951     | 98.95       | -0.001 |
| 204      | 50       | Biased              | 98.946     | 98.946      | 0      |
| 205      | 50       | Biased              | 98.946     | 98.944      | -0.002 |
| 206      | 50       | Biased              | 98.939     | 98.938      | -0.001 |
| 207      | 50       | Biased              | 98.951     | 98.949      | -0.002 |
| 208      | 50       | Biased              | 98.957     | 98.954      | -0.003 |
| 209      | 50       | Unbiased            | 98.949     | 98.947      | -0.002 |
| 210      | 50       | Unbiased            | 98.949     | 98.944      | -0.005 |
| 211      | 50       | Unbiased            | 98.938     | 98.935      | -0.003 |
| 212      | 50       | Unbiased            | 98.961     | 98.958      | -0.003 |
| 213      | 50       | Unbiased            | 98.946     | 98.944      | -0.002 |
| 214      | 50       | Unbiased            | 98.951     | 98.951      | 0      |
| 1200     | 0        | Correlation         | 98.95      | 98.939      | -0.011 |
| 1201     | 0        | Correlation         | 98.957     | 98.946      | -0.011 |
| 1202     | 0        | Correlation         | 98.945     | 98.933      | -0.012 |
| 1203     | 100      | Biased              | 98.951     | 98.94       | -0.011 |
| 1204     | 100      | Biased              | 98.946     | 98.935      | -0.011 |
| 1205     | 100      | Biased              | 98.946     | 98.933      | -0.013 |
| 1206     | 100      | Biased              | 98.939     | 98.928      | -0.011 |
| 1207     | 100      | Biased              | 98.951     | 98.937      | -0.014 |
| 1208     | 100      | Biased              | 98.957     | 98.943      | -0.014 |
| 1209     | 100      | Unbiased            | 98.949     | 98.935      | -0.014 |
| 1210     | 100      | Unbiased            | 98.949     | 98.934      | -0.015 |
| 1211     | 100      | Unbiased            | 98.938     | 98.926      | -0.012 |
| 1212     | 100      | Unbiased            | 98.961     | 98.948      | -0.013 |
| 1213     | 100      | Unbiased            | 98.946     | 98.934      | -0.012 |
| 1214     | 100      | Unbiased            | 98.951     | 98.939      | -0.012 |

TID vs Post - Pre Exposure Delta

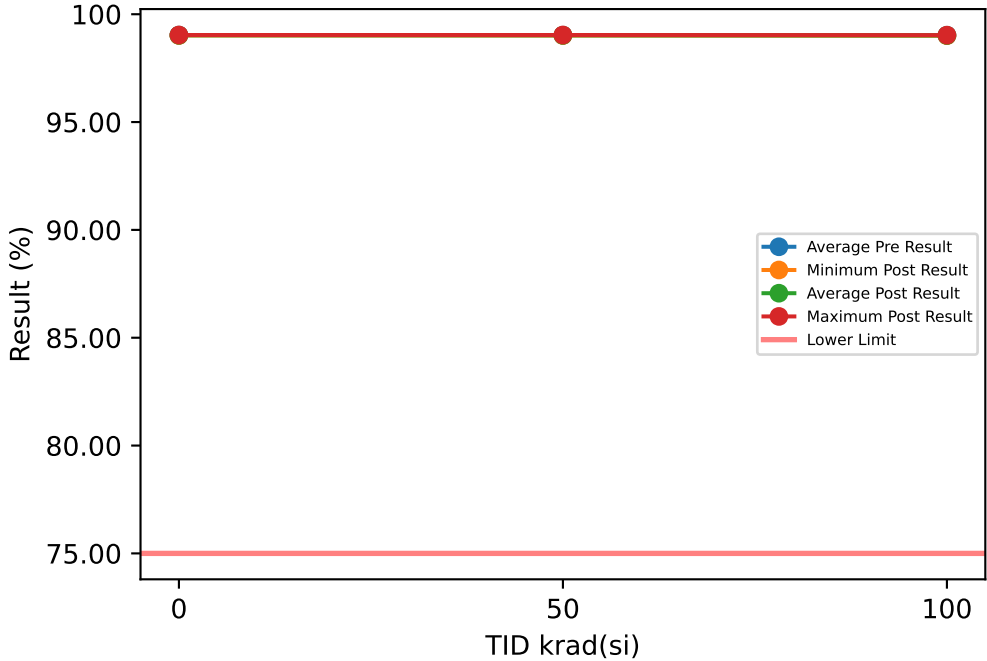


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 98.945           | 98.951           | 98.957           | 0.0053914        | 98.933            | 98.945            | 98.956            | 0.0083126         | -0.012    | -0.0061667 | 0.001     | 0.0058109 |
| 50       | 98.938           | 98.949           | 98.961           | 0.0065134        | 98.935            | 98.947            | 98.958            | 0.0064008         | -0.005    | -0.002     | 0         | 0.0014142 |
| 100      | 98.938           | 98.949           | 98.961           | 0.0065134        | 98.926            | 98.936            | 98.948            | 0.0060453         | -0.015    | -0.012667  | -0.011    | 0.0013707 |

Device Test: 6.104; VOH\_RESET\_10MA

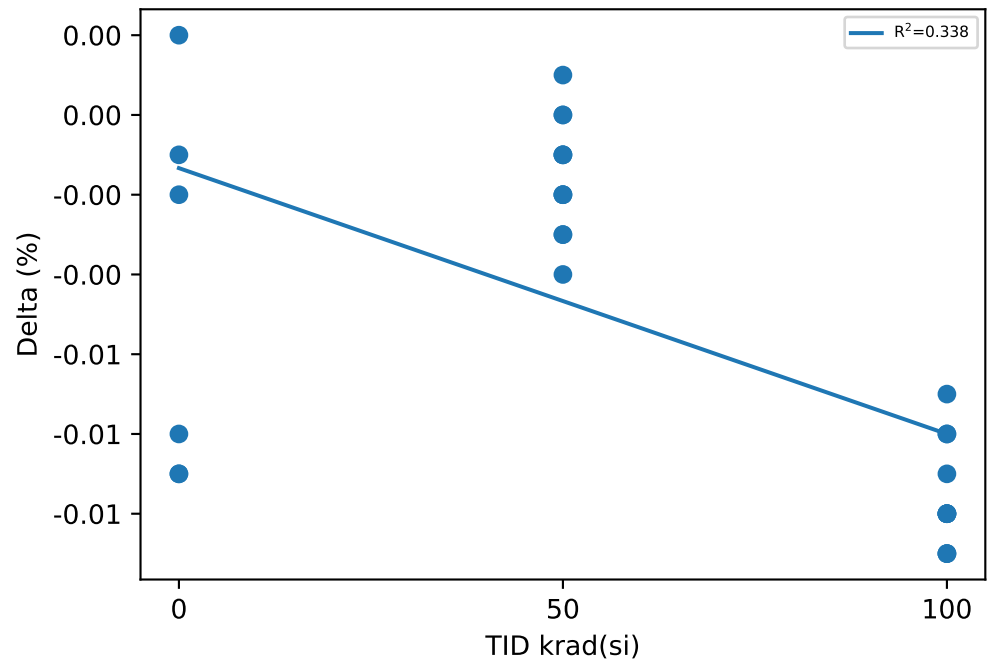
TID vs Result Stats



Test Results (Lower Limit = 75.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 99.029     | 99.031      | 0.002  |
| 201      | 0        | Correlation         | 99.038     | 99.037      | -0.001 |
| 202      | 0        | Correlation         | 99.023     | 99.021      | -0.002 |
| 203      | 50       | Biased              | 99.027     | 99.027      | 0      |
| 204      | 50       | Biased              | 99.024     | 99.024      | 0      |
| 205      | 50       | Biased              | 99.021     | 99.02       | -0.001 |
| 206      | 50       | Biased              | 99.012     | 99.013      | 0.001  |
| 207      | 50       | Biased              | 99.028     | 99.027      | -0.001 |
| 208      | 50       | Biased              | 99.033     | 99.031      | -0.002 |
| 209      | 50       | Unbiased            | 99.029     | 99.027      | -0.002 |
| 210      | 50       | Unbiased            | 99.029     | 99.025      | -0.004 |
| 211      | 50       | Unbiased            | 99.015     | 99.012      | -0.003 |
| 212      | 50       | Unbiased            | 99.04      | 99.037      | -0.003 |
| 213      | 50       | Unbiased            | 99.023     | 99.021      | -0.002 |
| 214      | 50       | Unbiased            | 99.026     | 99.025      | -0.001 |
| 1200     | 0        | Correlation         | 99.029     | 99.021      | -0.008 |
| 1201     | 0        | Correlation         | 99.038     | 99.029      | -0.009 |
| 1202     | 0        | Correlation         | 99.023     | 99.014      | -0.009 |
| 1203     | 100      | Biased              | 99.027     | 99.019      | -0.008 |
| 1204     | 100      | Biased              | 99.024     | 99.016      | -0.008 |
| 1205     | 100      | Biased              | 99.021     | 99.011      | -0.01  |
| 1206     | 100      | Biased              | 99.012     | 99.005      | -0.007 |
| 1207     | 100      | Biased              | 99.028     | 99.018      | -0.01  |
| 1208     | 100      | Biased              | 99.033     | 99.022      | -0.011 |
| 1209     | 100      | Unbiased            | 99.029     | 99.018      | -0.011 |
| 1210     | 100      | Unbiased            | 99.029     | 99.018      | -0.011 |
| 1211     | 100      | Unbiased            | 99.015     | 99.005      | -0.01  |
| 1212     | 100      | Unbiased            | 99.04      | 99.03       | -0.01  |
| 1213     | 100      | Unbiased            | 99.023     | 99.014      | -0.009 |
| 1214     | 100      | Unbiased            | 99.026     | 99.016      | -0.01  |

TID vs Post - Pre Exposure Delta

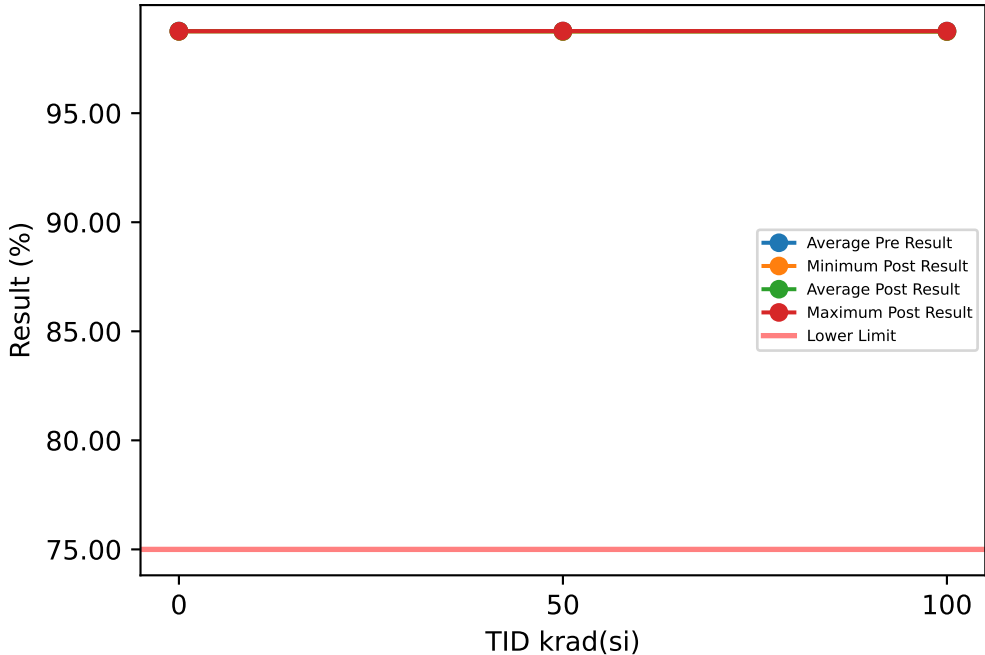


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 99.023           | 99.03            | 99.038           | 0.0067528        | 99.014            | 99.026            | 99.037            | 0.0083367         | -0.009    | -0.0045    | 0.002     | 0.0047645 |
| 50       | 99.012           | 99.026           | 99.04            | 0.0075131        | 99.012            | 99.024            | 99.037            | 0.0069865         | -0.004    | -0.0015    | 0.001     | 0.001446  |
| 100      | 99.012           | 99.026           | 99.04            | 0.0075131        | 99.005            | 99.016            | 99.03             | 0.0069019         | -0.011    | -0.0095833 | -0.007    | 0.0013114 |

Device Test: 6.105; VOH\_WDO\_10MA

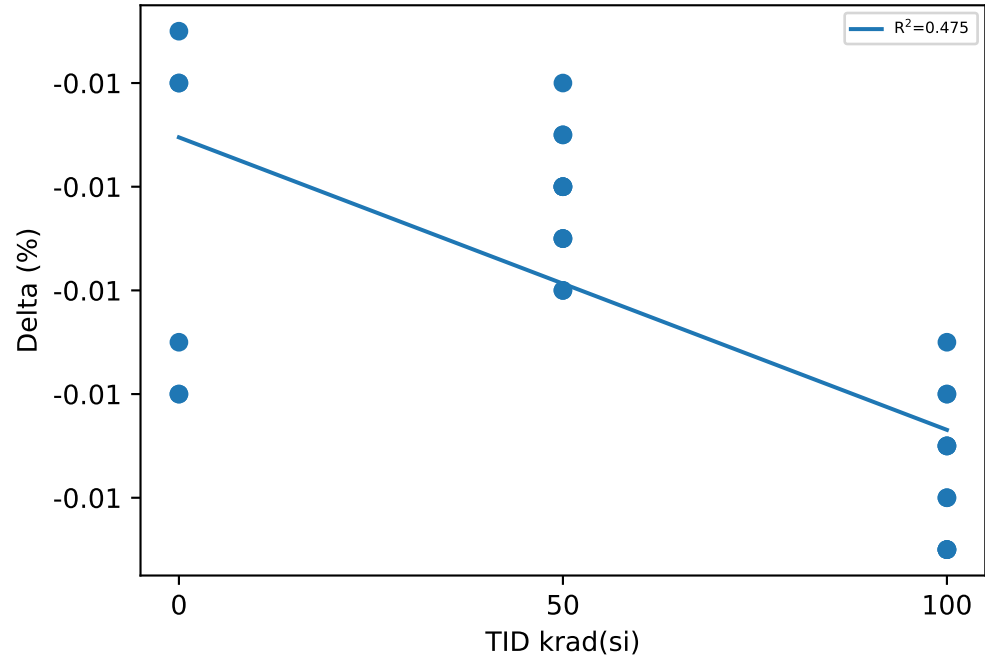
TID vs Result Stats



Test Results (Lower Limit = 75.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 98.766     | 98.761      | -0.005 |
| 201      | 0        | Correlation         | 98.767     | 98.761      | -0.006 |
| 202      | 0        | Correlation         | 98.761     | 98.755      | -0.006 |
| 203      | 50       | Biased              | 98.766     | 98.759      | -0.007 |
| 204      | 50       | Biased              | 98.758     | 98.751      | -0.007 |
| 205      | 50       | Biased              | 98.75      | 98.742      | -0.008 |
| 206      | 50       | Biased              | 98.753     | 98.747      | -0.006 |
| 207      | 50       | Biased              | 98.761     | 98.753      | -0.008 |
| 208      | 50       | Biased              | 98.77      | 98.761      | -0.009 |
| 209      | 50       | Unbiased            | 98.767     | 98.758      | -0.009 |
| 210      | 50       | Unbiased            | 98.76      | 98.751      | -0.009 |
| 211      | 50       | Unbiased            | 98.757     | 98.747      | -0.01  |
| 212      | 50       | Unbiased            | 98.778     | 98.768      | -0.01  |
| 213      | 50       | Unbiased            | 98.762     | 98.754      | -0.008 |
| 214      | 50       | Unbiased            | 98.762     | 98.754      | -0.008 |
| 1200     | 0        | Correlation         | 98.766     | 98.754      | -0.012 |
| 1201     | 0        | Correlation         | 98.767     | 98.755      | -0.012 |
| 1202     | 0        | Correlation         | 98.761     | 98.75       | -0.011 |
| 1203     | 100      | Biased              | 98.766     | 98.755      | -0.011 |
| 1204     | 100      | Biased              | 98.758     | 98.746      | -0.012 |
| 1205     | 100      | Biased              | 98.75      | 98.737      | -0.013 |
| 1206     | 100      | Biased              | 98.753     | 98.741      | -0.012 |
| 1207     | 100      | Biased              | 98.761     | 98.748      | -0.013 |
| 1208     | 100      | Biased              | 98.77      | 98.756      | -0.014 |
| 1209     | 100      | Unbiased            | 98.767     | 98.752      | -0.015 |
| 1210     | 100      | Unbiased            | 98.76      | 98.745      | -0.015 |
| 1211     | 100      | Unbiased            | 98.757     | 98.742      | -0.015 |
| 1212     | 100      | Unbiased            | 98.778     | 98.763      | -0.015 |
| 1213     | 100      | Unbiased            | 98.762     | 98.749      | -0.013 |
| 1214     | 100      | Unbiased            | 98.762     | 98.748      | -0.014 |

TID vs Post - Pre Exposure Delta



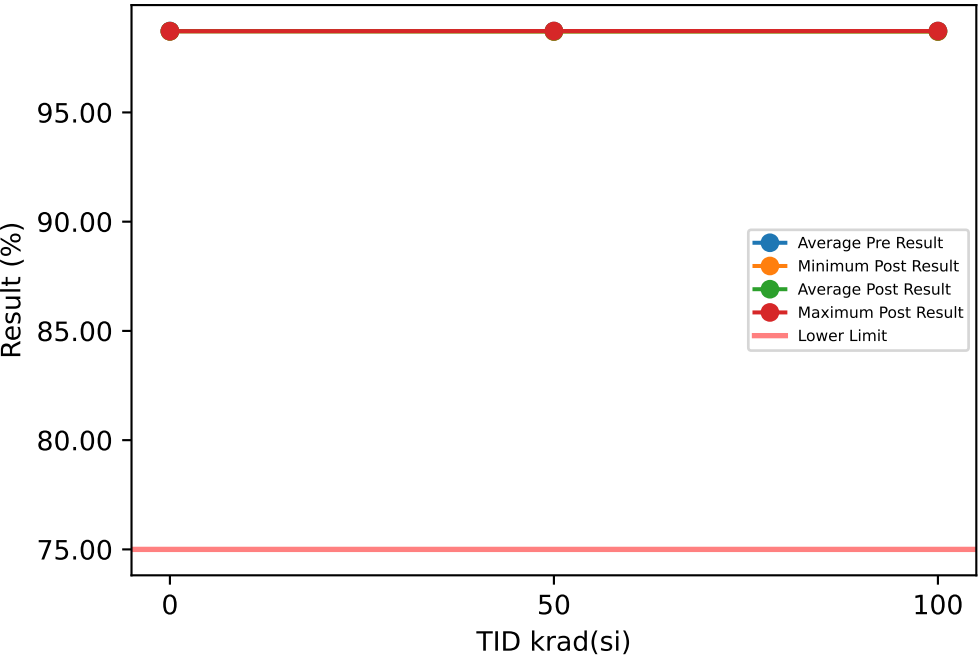
Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 98.761           | 98.765           | 98.767           | 0.0028752        | 98.75             | 98.756            | 98.761            | 0.0042895         | -0.012    | -0.0086667 | -0.005    | 0.0033267 |
| 50       | 98.75            | 98.762           | 98.778           | 0.0075799        | 98.742            | 98.754            | 98.768            | 0.0070469         | -0.01     | -0.00825   | -0.006    | 0.0012154 |
| 100      | 98.75            | 98.762           | 98.778           | 0.0075799        | 98.737            | 98.748            | 98.763            | 0.0072048         | -0.015    | -0.0135    | -0.011    | 0.0013817 |



Device Test: 6.106; VOH\_PWRGD\_10MA

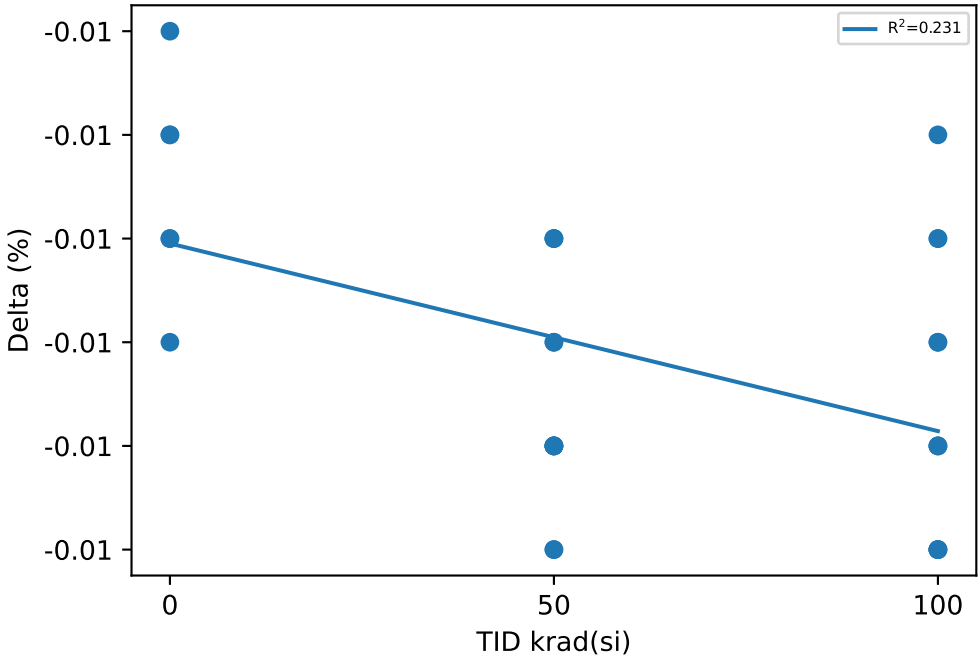
TID vs Result Stats



Test Results (Lower Limit = 75.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 98.726     | 98.719      | -0.007 |
| 201      | 0        | Correlation         | 98.729     | 98.72       | -0.009 |
| 202      | 0        | Correlation         | 98.718     | 98.71       | -0.008 |
| 203      | 50       | Biased              | 98.729     | 98.72       | -0.009 |
| 204      | 50       | Biased              | 98.719     | 98.709      | -0.01  |
| 205      | 50       | Biased              | 98.711     | 98.701      | -0.01  |
| 206      | 50       | Biased              | 98.708     | 98.699      | -0.009 |
| 207      | 50       | Biased              | 98.716     | 98.705      | -0.011 |
| 208      | 50       | Biased              | 98.731     | 98.72       | -0.011 |
| 209      | 50       | Unbiased            | 98.727     | 98.716      | -0.011 |
| 210      | 50       | Unbiased            | 98.716     | 98.704      | -0.012 |
| 211      | 50       | Unbiased            | 98.716     | 98.705      | -0.011 |
| 212      | 50       | Unbiased            | 98.739     | 98.727      | -0.012 |
| 213      | 50       | Unbiased            | 98.722     | 98.711      | -0.011 |
| 214      | 50       | Unbiased            | 98.721     | 98.712      | -0.009 |
| 1200     | 0        | Correlation         | 98.726     | 98.717      | -0.009 |
| 1201     | 0        | Correlation         | 98.729     | 98.719      | -0.01  |
| 1202     | 0        | Correlation         | 98.718     | 98.71       | -0.008 |
| 1203     | 100      | Biased              | 98.729     | 98.721      | -0.008 |
| 1204     | 100      | Biased              | 98.719     | 98.71       | -0.009 |
| 1205     | 100      | Biased              | 98.711     | 98.701      | -0.01  |
| 1206     | 100      | Biased              | 98.708     | 98.699      | -0.009 |
| 1207     | 100      | Biased              | 98.716     | 98.705      | -0.011 |
| 1208     | 100      | Biased              | 98.731     | 98.719      | -0.012 |
| 1209     | 100      | Unbiased            | 98.727     | 98.715      | -0.012 |
| 1210     | 100      | Unbiased            | 98.716     | 98.704      | -0.012 |
| 1211     | 100      | Unbiased            | 98.716     | 98.705      | -0.011 |
| 1212     | 100      | Unbiased            | 98.739     | 98.727      | -0.012 |
| 1213     | 100      | Unbiased            | 98.722     | 98.711      | -0.011 |
| 1214     | 100      | Unbiased            | 98.721     | 98.711      | -0.01  |

TID vs Post - Pre Exposure Delta

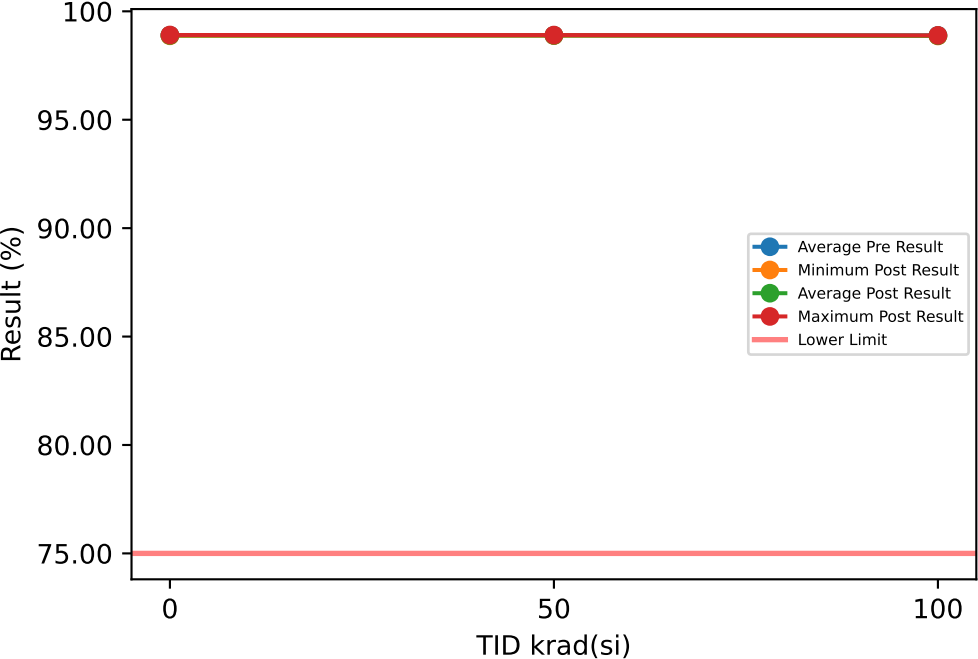


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 98.718           | 98.724           | 98.729           | 0.0050859        | 98.71             | 98.716            | 98.72             | 0.0046224         | -0.01     | -0.0085   | -0.007    | 0.0010488 |
| 50       | 98.708           | 98.721           | 98.739           | 0.0089048        | 98.699            | 98.711            | 98.727            | 0.0085931         | -0.012    | -0.0105   | -0.009    | 0.0010871 |
| 100      | 98.708           | 98.721           | 98.739           | 0.0089048        | 98.699            | 98.711            | 98.727            | 0.0085316         | -0.012    | -0.010583 | -0.008    | 0.001379  |

Device Test: 6.107; VOH\_RESET\_10MA

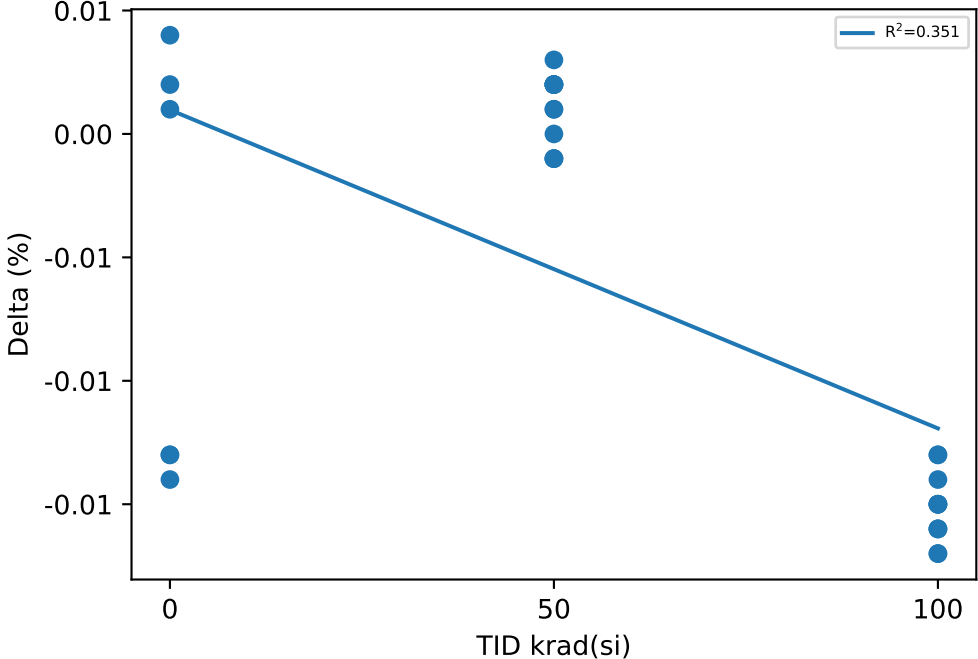
TID vs Result Stats



Test Results (Lower Limit = 75.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 98.893     | 98.897      | 0.004  |
| 201      | 0        | Correlation         | 98.906     | 98.908      | 0.002  |
| 202      | 0        | Correlation         | 98.884     | 98.885      | 0.001  |
| 203      | 50       | Biased              | 98.891     | 98.893      | 0.002  |
| 204      | 50       | Biased              | 98.887     | 98.889      | 0.002  |
| 205      | 50       | Biased              | 98.887     | 98.889      | 0.002  |
| 206      | 50       | Biased              | 98.884     | 98.887      | 0.003  |
| 207      | 50       | Biased              | 98.888     | 98.89       | 0.002  |
| 208      | 50       | Biased              | 98.895     | 98.895      | 0      |
| 209      | 50       | Unbiased            | 98.889     | 98.89       | 0.001  |
| 210      | 50       | Unbiased            | 98.891     | 98.89       | -0.001 |
| 211      | 50       | Unbiased            | 98.879     | 98.878      | -0.001 |
| 212      | 50       | Unbiased            | 98.906     | 98.905      | -0.001 |
| 213      | 50       | Unbiased            | 98.885     | 98.886      | 0.001  |
| 214      | 50       | Unbiased            | 98.894     | 98.896      | 0.002  |
| 1200     | 0        | Correlation         | 98.893     | 98.88       | -0.013 |
| 1201     | 0        | Correlation         | 98.906     | 98.893      | -0.013 |
| 1202     | 0        | Correlation         | 98.884     | 98.87       | -0.014 |
| 1203     | 100      | Biased              | 98.891     | 98.877      | -0.014 |
| 1204     | 100      | Biased              | 98.887     | 98.872      | -0.015 |
| 1205     | 100      | Biased              | 98.887     | 98.872      | -0.015 |
| 1206     | 100      | Biased              | 98.884     | 98.871      | -0.013 |
| 1207     | 100      | Biased              | 98.888     | 98.872      | -0.016 |
| 1208     | 100      | Biased              | 98.895     | 98.878      | -0.017 |
| 1209     | 100      | Unbiased            | 98.889     | 98.873      | -0.016 |
| 1210     | 100      | Unbiased            | 98.891     | 98.874      | -0.017 |
| 1211     | 100      | Unbiased            | 98.879     | 98.864      | -0.015 |
| 1212     | 100      | Unbiased            | 98.906     | 98.89       | -0.016 |
| 1213     | 100      | Unbiased            | 98.885     | 98.872      | -0.013 |
| 1214     | 100      | Unbiased            | 98.894     | 98.879      | -0.015 |

TID vs Post - Pre Exposure Delta

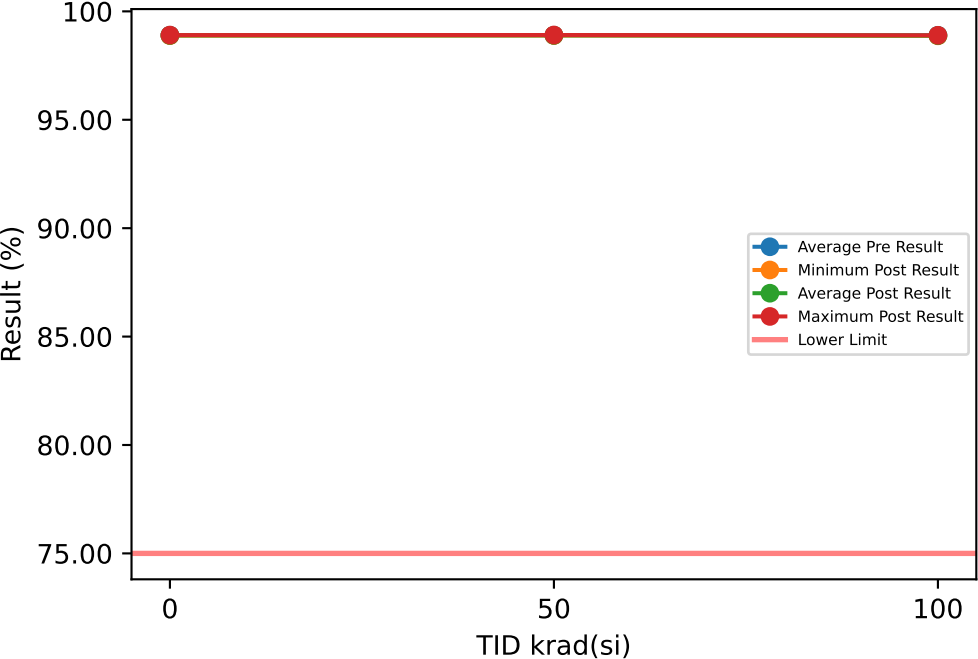


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 98.884           | 98.894           | 98.906           | 0.0098928        | 98.87             | 98.889            | 98.908            | 0.013408          | -0.014    | -0.0055   | 0.004     | 0.0086429 |
| 50       | 98.879           | 98.89            | 98.906           | 0.00676          | 98.878            | 98.891            | 98.905            | 0.0064714         | -0.001    | 0.001     | 0.003     | 0.0014142 |
| 100      | 98.879           | 98.89            | 98.906           | 0.00676          | 98.864            | 98.874            | 98.89             | 0.006245          | -0.017    | -0.015167 | -0.013    | 0.0013371 |

Device Test: 6.108; VOH\_RESET\_10MA

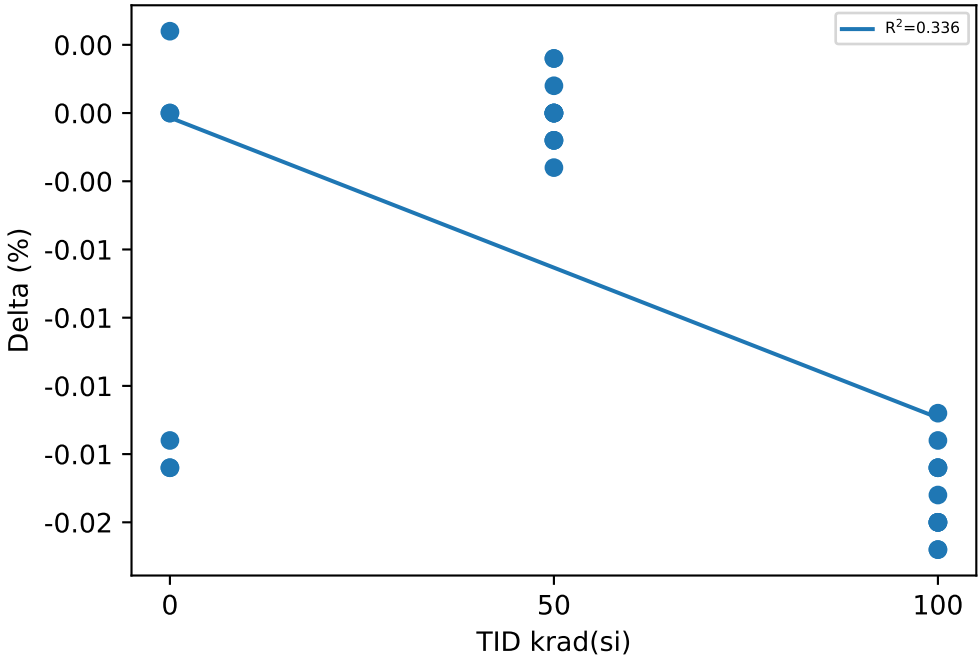
TID vs Result Stats



Test Results (Lower Limit = 75.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 98.897     | 98.9        | 0.003  |
| 201      | 0        | Correlation         | 98.906     | 98.906      | 0      |
| 202      | 0        | Correlation         | 98.893     | 98.893      | 0      |
| 203      | 50       | Biased              | 98.9       | 98.9        | 0      |
| 204      | 50       | Biased              | 98.891     | 98.893      | 0.002  |
| 205      | 50       | Biased              | 98.89      | 98.89       | 0      |
| 206      | 50       | Biased              | 98.889     | 98.89       | 0.001  |
| 207      | 50       | Biased              | 98.896     | 98.896      | 0      |
| 208      | 50       | Biased              | 98.904     | 98.903      | -0.001 |
| 209      | 50       | Unbiased            | 98.899     | 98.898      | -0.001 |
| 210      | 50       | Unbiased            | 98.896     | 98.896      | 0      |
| 211      | 50       | Unbiased            | 98.887     | 98.885      | -0.002 |
| 212      | 50       | Unbiased            | 98.911     | 98.91       | -0.001 |
| 213      | 50       | Unbiased            | 98.893     | 98.893      | 0      |
| 214      | 50       | Unbiased            | 98.902     | 98.904      | 0.002  |
| 1200     | 0        | Correlation         | 98.897     | 98.885      | -0.012 |
| 1201     | 0        | Correlation         | 98.906     | 98.893      | -0.013 |
| 1202     | 0        | Correlation         | 98.893     | 98.88       | -0.013 |
| 1203     | 100      | Biased              | 98.9       | 98.887      | -0.013 |
| 1204     | 100      | Biased              | 98.891     | 98.879      | -0.012 |
| 1205     | 100      | Biased              | 98.89      | 98.877      | -0.013 |
| 1206     | 100      | Biased              | 98.889     | 98.878      | -0.011 |
| 1207     | 100      | Biased              | 98.896     | 98.881      | -0.015 |
| 1208     | 100      | Biased              | 98.904     | 98.888      | -0.016 |
| 1209     | 100      | Unbiased            | 98.899     | 98.883      | -0.016 |
| 1210     | 100      | Unbiased            | 98.896     | 98.881      | -0.015 |
| 1211     | 100      | Unbiased            | 98.887     | 98.872      | -0.015 |
| 1212     | 100      | Unbiased            | 98.911     | 98.896      | -0.015 |
| 1213     | 100      | Unbiased            | 98.893     | 98.88       | -0.013 |
| 1214     | 100      | Unbiased            | 98.902     | 98.888      | -0.014 |

TID vs Post - Pre Exposure Delta

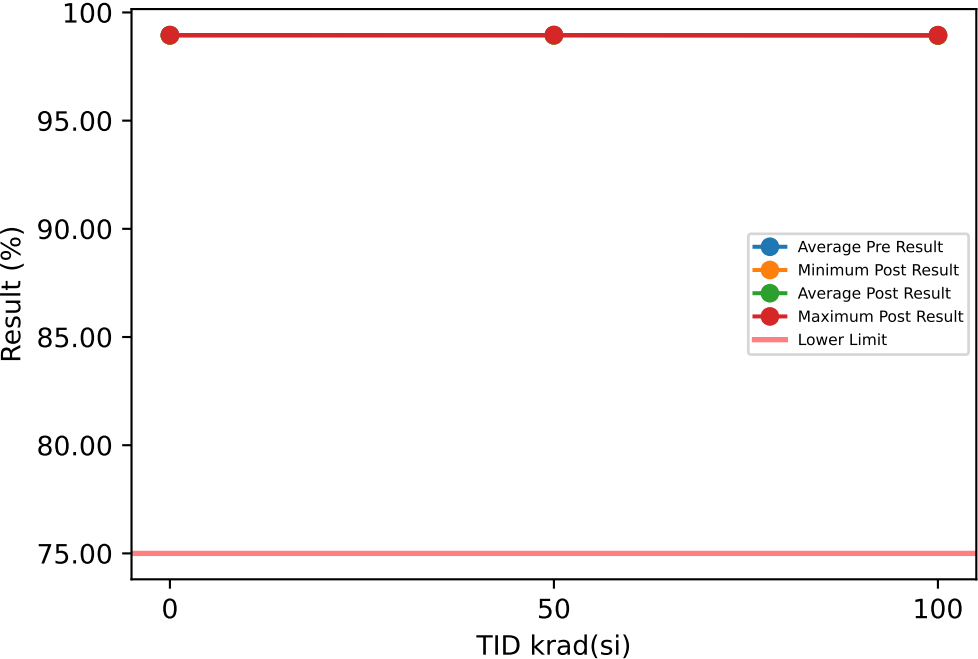


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 98.893           | 98.899           | 98.906           | 0.0059554        | 98.88             | 98.893            | 98.906            | 0.0094956         | -0.013    | -0.0058333 | 0.003     | 0.0075741 |
| 50       | 98.887           | 98.897           | 98.911           | 0.0070518        | 98.885            | 98.897            | 98.91             | 0.006987          | -0.002    | 0          | 0.002     | 0.001206  |
| 100      | 98.887           | 98.897           | 98.911           | 0.0070518        | 98.872            | 98.882            | 98.896            | 0.0063747         | -0.016    | -0.014     | -0.011    | 0.0015954 |

Device Test: 6.109; VOH\_RESET\_10MA

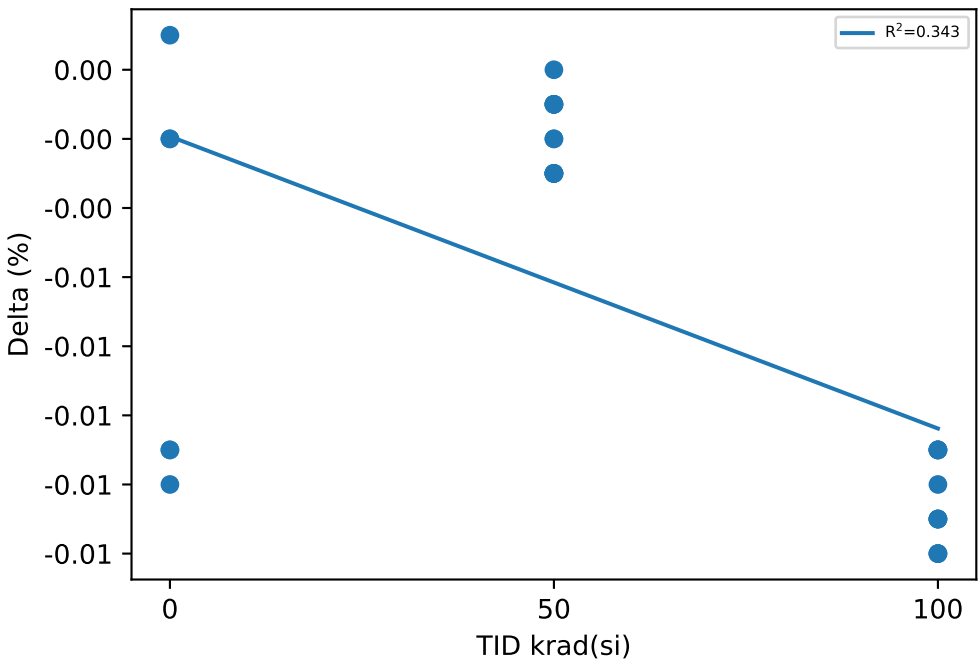
TID vs Result Stats



Test Results (Lower Limit = 75.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 98.95      | 98.951      | 0.001  |
| 201      | 0        | Correlation         | 98.957     | 98.955      | -0.002 |
| 202      | 0        | Correlation         | 98.945     | 98.943      | -0.002 |
| 203      | 50       | Biased              | 98.951     | 98.95       | -0.001 |
| 204      | 50       | Biased              | 98.946     | 98.946      | 0      |
| 205      | 50       | Biased              | 98.946     | 98.944      | -0.002 |
| 206      | 50       | Biased              | 98.939     | 98.938      | -0.001 |
| 207      | 50       | Biased              | 98.951     | 98.949      | -0.002 |
| 208      | 50       | Biased              | 98.956     | 98.953      | -0.003 |
| 209      | 50       | Unbiased            | 98.949     | 98.946      | -0.003 |
| 210      | 50       | Unbiased            | 98.948     | 98.945      | -0.003 |
| 211      | 50       | Unbiased            | 98.938     | 98.935      | -0.003 |
| 212      | 50       | Unbiased            | 98.961     | 98.958      | -0.003 |
| 213      | 50       | Unbiased            | 98.945     | 98.944      | -0.001 |
| 214      | 50       | Unbiased            | 98.951     | 98.95       | -0.001 |
| 1200     | 0        | Correlation         | 98.95      | 98.939      | -0.011 |
| 1201     | 0        | Correlation         | 98.957     | 98.946      | -0.011 |
| 1202     | 0        | Correlation         | 98.945     | 98.933      | -0.012 |
| 1203     | 100      | Biased              | 98.951     | 98.94       | -0.011 |
| 1204     | 100      | Biased              | 98.946     | 98.935      | -0.011 |
| 1205     | 100      | Biased              | 98.946     | 98.933      | -0.013 |
| 1206     | 100      | Biased              | 98.939     | 98.928      | -0.011 |
| 1207     | 100      | Biased              | 98.951     | 98.937      | -0.014 |
| 1208     | 100      | Biased              | 98.956     | 98.943      | -0.013 |
| 1209     | 100      | Unbiased            | 98.949     | 98.935      | -0.014 |
| 1210     | 100      | Unbiased            | 98.948     | 98.934      | -0.014 |
| 1211     | 100      | Unbiased            | 98.938     | 98.926      | -0.012 |
| 1212     | 100      | Unbiased            | 98.961     | 98.948      | -0.013 |
| 1213     | 100      | Unbiased            | 98.945     | 98.934      | -0.011 |
| 1214     | 100      | Unbiased            | 98.951     | 98.938      | -0.013 |

TID vs Post - Pre Exposure Delta

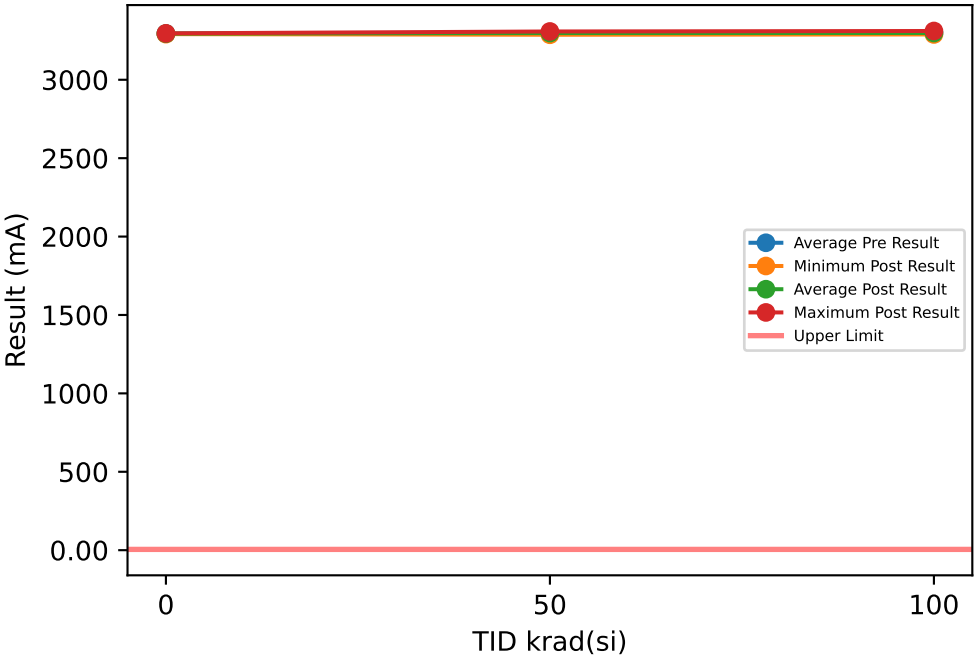


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 98.945           | 98.951           | 98.957           | 0.0053914        | 98.933            | 98.945            | 98.955            | 0.0079937         | -0.012    | -0.0061667 | 0.001     | 0.0057764 |
| 50       | 98.938           | 98.948           | 98.961           | 0.006445         | 98.935            | 98.947            | 98.958            | 0.0062158         | -0.003    | -0.0019167 | 0         | 0.0010836 |
| 100      | 98.938           | 98.948           | 98.961           | 0.006445         | 98.926            | 98.936            | 98.948            | 0.0060069         | -0.014    | -0.0125    | -0.011    | 0.0012432 |

Device Test: 6.11 ; VLDO\_I\_MAX

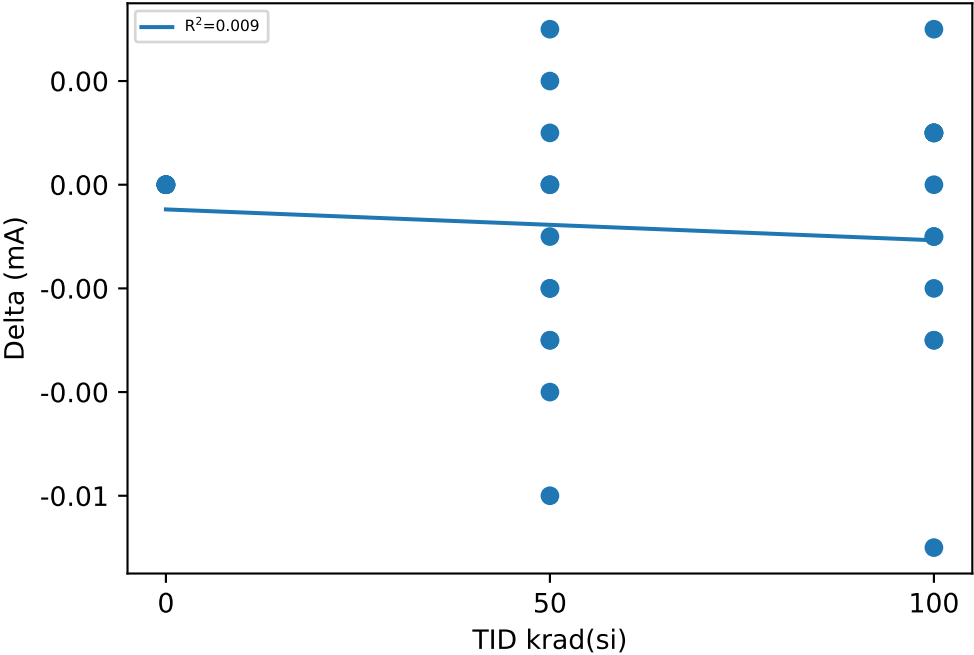
TID vs Result Stats



Test Results (Upper Limit = 5.0 (mA))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 3296       | 3296        | 0      |
| 201      | 0        | Correlation         | 3291       | 3291        | 0      |
| 202      | 0        | Correlation         | 3296       | 3296        | 0      |
| 203      | 50       | Biased              | 3291       | 3294        | 0.003  |
| 204      | 50       | Biased              | 3297       | 3294        | -0.003 |
| 205      | 50       | Biased              | 3303       | 3297        | -0.006 |
| 206      | 50       | Biased              | 3306       | 3302        | -0.004 |
| 207      | 50       | Biased              | 3297       | 3295        | -0.002 |
| 208      | 50       | Biased              | 3289       | 3289        | 0      |
| 209      | 50       | Unbiased            | 3298       | 3298        | 0      |
| 210      | 50       | Unbiased            | 3303       | 3302        | -0.001 |
| 211      | 50       | Unbiased            | 3310       | 3308        | -0.002 |
| 212      | 50       | Unbiased            | 3290       | 3287        | -0.003 |
| 213      | 50       | Unbiased            | 3306       | 3307        | 0.001  |
| 214      | 50       | Unbiased            | 3300       | 3302        | 0.002  |
| 1200     | 0        | Correlation         | 3296       | 3296        | 0      |
| 1201     | 0        | Correlation         | 3291       | 3291        | 0      |
| 1202     | 0        | Correlation         | 3296       | 3296        | 0      |
| 1203     | 100      | Biased              | 3291       | 3292        | 0.001  |
| 1204     | 100      | Biased              | 3297       | 3294        | -0.003 |
| 1205     | 100      | Biased              | 3303       | 3296        | -0.007 |
| 1206     | 100      | Biased              | 3306       | 3305        | -0.001 |
| 1207     | 100      | Biased              | 3297       | 3295        | -0.002 |
| 1208     | 100      | Biased              | 3289       | 3290        | 0.001  |
| 1209     | 100      | Unbiased            | 3298       | 3295        | -0.003 |
| 1210     | 100      | Unbiased            | 3303       | 3303        | 0      |
| 1211     | 100      | Unbiased            | 3310       | 3311        | 0.001  |
| 1212     | 100      | Unbiased            | 3290       | 3289        | -0.001 |
| 1213     | 100      | Unbiased            | 3306       | 3309        | 0.003  |
| 1214     | 100      | Unbiased            | 3300       | 3301        | 0.001  |

TID vs Post - Pre Exposure Delta

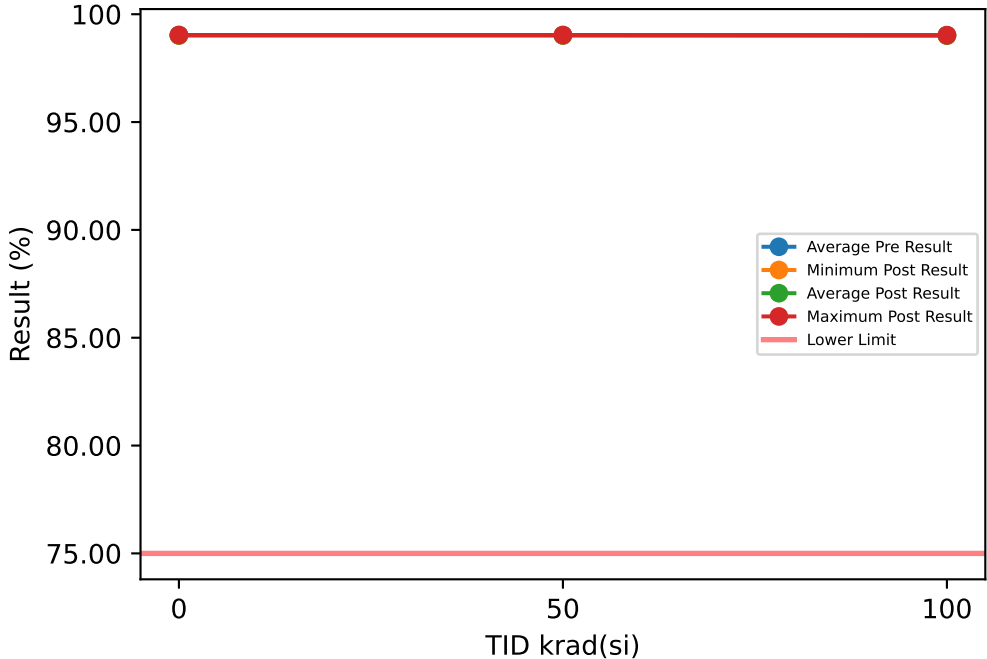


Test Statistics (mA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|-----------|
| 0        | 3291             | 3294.3           | 3296             | 2.582            | 3291              | 3294.3            | 3296              | 2.582             | 0         | 0           | 0         | 0         |
| 50       | 3289             | 3299.2           | 3310             | 6.7801           | 3287              | 3297.9            | 3308              | 6.5569            | -0.006    | -0.00125    | 0.003     | 0.0025981 |
| 100      | 3289             | 3299.2           | 3310             | 6.7801           | 3289              | 3298.3            | 3311              | 7.3278            | -0.007    | -0.00083333 | 0.003     | 0.0026572 |

Device Test: 6.110; VOH\_RESET\_10MA

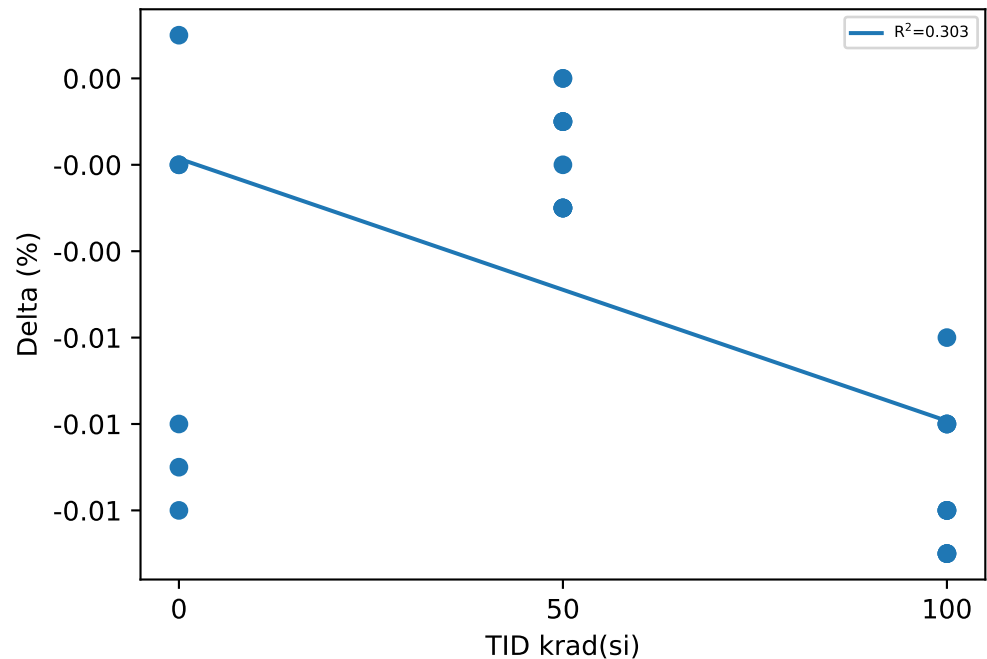
TID vs Result Stats



Test Results (Lower Limit = 75.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 99.029     | 99.03       | 0.001  |
| 201      | 0        | Correlation         | 99.038     | 99.036      | -0.002 |
| 202      | 0        | Correlation         | 99.023     | 99.021      | -0.002 |
| 203      | 50       | Biased              | 99.027     | 99.026      | -0.001 |
| 204      | 50       | Biased              | 99.024     | 99.024      | 0      |
| 205      | 50       | Biased              | 99.021     | 99.019      | -0.002 |
| 206      | 50       | Biased              | 99.012     | 99.012      | 0      |
| 207      | 50       | Biased              | 99.028     | 99.027      | -0.001 |
| 208      | 50       | Biased              | 99.033     | 99.03       | -0.003 |
| 209      | 50       | Unbiased            | 99.029     | 99.026      | -0.003 |
| 210      | 50       | Unbiased            | 99.028     | 99.025      | -0.003 |
| 211      | 50       | Unbiased            | 99.015     | 99.012      | -0.003 |
| 212      | 50       | Unbiased            | 99.04      | 99.037      | -0.003 |
| 213      | 50       | Unbiased            | 99.022     | 99.021      | -0.001 |
| 214      | 50       | Unbiased            | 99.026     | 99.025      | -0.001 |
| 1200     | 0        | Correlation         | 99.029     | 99.021      | -0.008 |
| 1201     | 0        | Correlation         | 99.038     | 99.029      | -0.009 |
| 1202     | 0        | Correlation         | 99.023     | 99.013      | -0.01  |
| 1203     | 100      | Biased              | 99.027     | 99.019      | -0.008 |
| 1204     | 100      | Biased              | 99.024     | 99.016      | -0.008 |
| 1205     | 100      | Biased              | 99.021     | 99.011      | -0.01  |
| 1206     | 100      | Biased              | 99.012     | 99.006      | -0.006 |
| 1207     | 100      | Biased              | 99.028     | 99.018      | -0.01  |
| 1208     | 100      | Biased              | 99.033     | 99.022      | -0.011 |
| 1209     | 100      | Unbiased            | 99.029     | 99.018      | -0.011 |
| 1210     | 100      | Unbiased            | 99.028     | 99.017      | -0.011 |
| 1211     | 100      | Unbiased            | 99.015     | 99.005      | -0.01  |
| 1212     | 100      | Unbiased            | 99.04      | 99.029      | -0.011 |
| 1213     | 100      | Unbiased            | 99.022     | 99.014      | -0.008 |
| 1214     | 100      | Unbiased            | 99.026     | 99.016      | -0.01  |

TID vs Post - Pre Exposure Delta



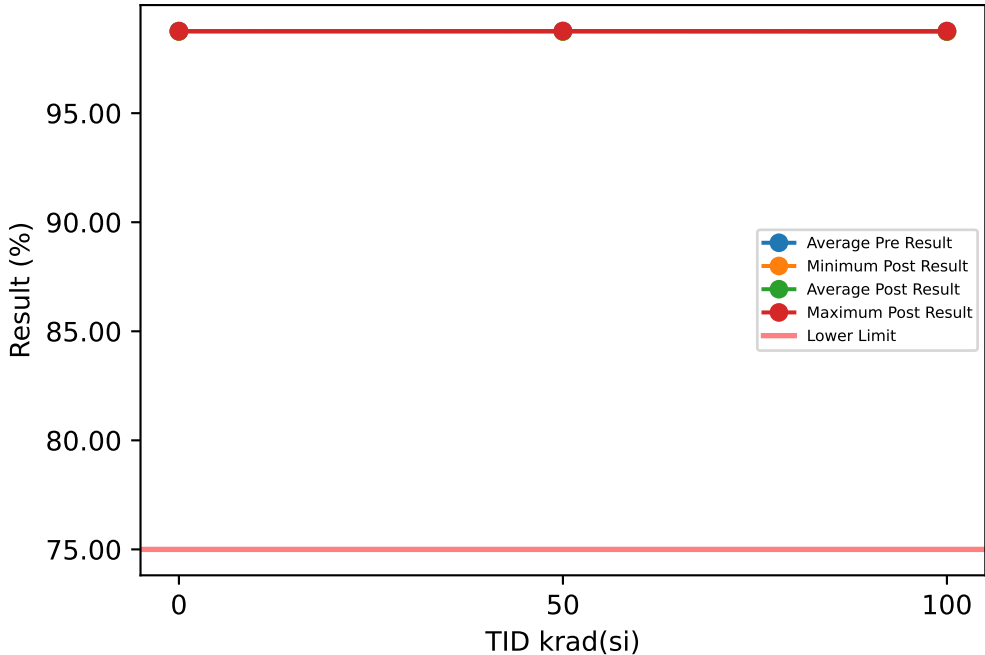
Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 99.023           | 99.03            | 99.038           | 0.0067528        | 99.013            | 99.025            | 99.036            | 0.0082219         | -0.01     | -0.005    | 0.001     | 0.0045607 |
| 50       | 99.012           | 99.025           | 99.04            | 0.0075131        | 99.012            | 99.024            | 99.037            | 0.0070367         | -0.003    | -0.00175  | 0         | 0.0012154 |
| 100      | 99.012           | 99.025           | 99.04            | 0.0075131        | 99.005            | 99.016            | 99.029            | 0.0065569         | -0.011    | -0.0095   | -0.006    | 0.0016237 |



Device Test: 6.111; VOH\_WDO\_10MA

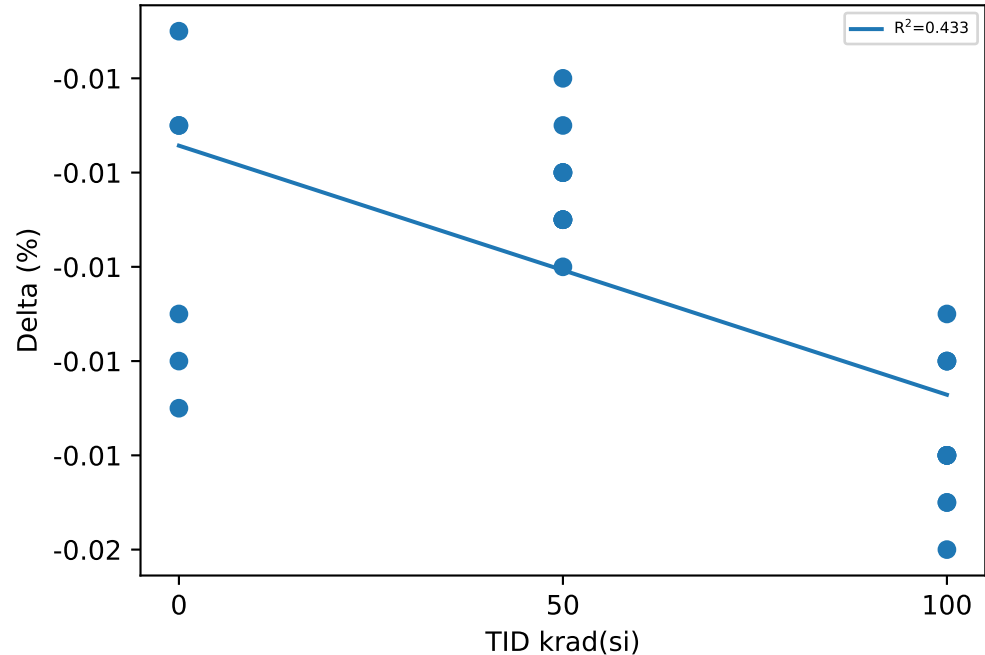
TID vs Result Stats



Test Results (Lower Limit = 75.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 98.765     | 98.76       | -0.005 |
| 201      | 0        | Correlation         | 98.767     | 98.76       | -0.007 |
| 202      | 0        | Correlation         | 98.761     | 98.754      | -0.007 |
| 203      | 50       | Biased              | 98.765     | 98.759      | -0.006 |
| 204      | 50       | Biased              | 98.758     | 98.75       | -0.008 |
| 205      | 50       | Biased              | 98.75      | 98.741      | -0.009 |
| 206      | 50       | Biased              | 98.753     | 98.746      | -0.007 |
| 207      | 50       | Biased              | 98.76      | 98.752      | -0.008 |
| 208      | 50       | Biased              | 98.769     | 98.76       | -0.009 |
| 209      | 50       | Unbiased            | 98.766     | 98.757      | -0.009 |
| 210      | 50       | Unbiased            | 98.76      | 98.75       | -0.01  |
| 211      | 50       | Unbiased            | 98.756     | 98.747      | -0.009 |
| 212      | 50       | Unbiased            | 98.777     | 98.768      | -0.009 |
| 213      | 50       | Unbiased            | 98.761     | 98.753      | -0.008 |
| 214      | 50       | Unbiased            | 98.761     | 98.753      | -0.008 |
| 1200     | 0        | Correlation         | 98.765     | 98.754      | -0.011 |
| 1201     | 0        | Correlation         | 98.767     | 98.754      | -0.013 |
| 1202     | 0        | Correlation         | 98.761     | 98.749      | -0.012 |
| 1203     | 100      | Biased              | 98.765     | 98.754      | -0.011 |
| 1204     | 100      | Biased              | 98.758     | 98.746      | -0.012 |
| 1205     | 100      | Biased              | 98.75      | 98.736      | -0.014 |
| 1206     | 100      | Biased              | 98.753     | 98.741      | -0.012 |
| 1207     | 100      | Biased              | 98.76      | 98.746      | -0.014 |
| 1208     | 100      | Biased              | 98.769     | 98.755      | -0.014 |
| 1209     | 100      | Unbiased            | 98.766     | 98.751      | -0.015 |
| 1210     | 100      | Unbiased            | 98.76      | 98.744      | -0.016 |
| 1211     | 100      | Unbiased            | 98.756     | 98.741      | -0.015 |
| 1212     | 100      | Unbiased            | 98.777     | 98.763      | -0.014 |
| 1213     | 100      | Unbiased            | 98.761     | 98.749      | -0.012 |
| 1214     | 100      | Unbiased            | 98.761     | 98.747      | -0.014 |

TID vs Post - Pre Exposure Delta

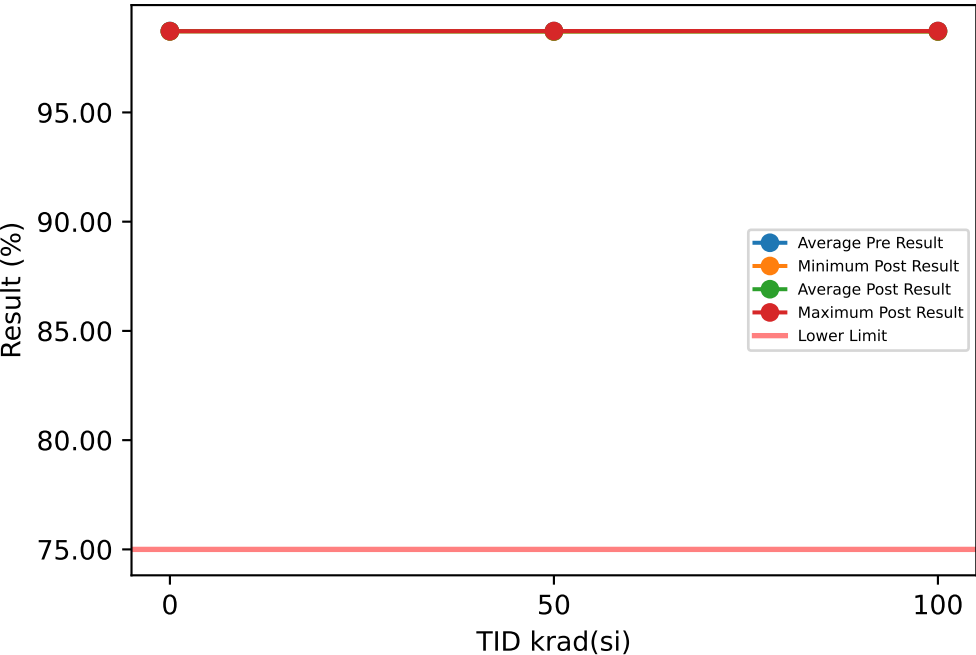


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 98.761           | 98.764           | 98.767           | 0.0027325        | 98.749            | 98.755            | 98.76             | 0.0042151         | -0.013    | -0.0091667 | -0.005    | 0.0032506 |
| 50       | 98.75            | 98.761           | 98.777           | 0.0072655        | 98.741            | 98.753            | 98.768            | 0.0072237         | -0.01     | -0.0083333 | -0.006    | 0.0010731 |
| 100      | 98.75            | 98.761           | 98.777           | 0.0072655        | 98.736            | 98.748            | 98.763            | 0.0073004         | -0.016    | -0.013583  | -0.011    | 0.001505  |

Device Test: 6.112; VOH\_PWRGD\_10MA

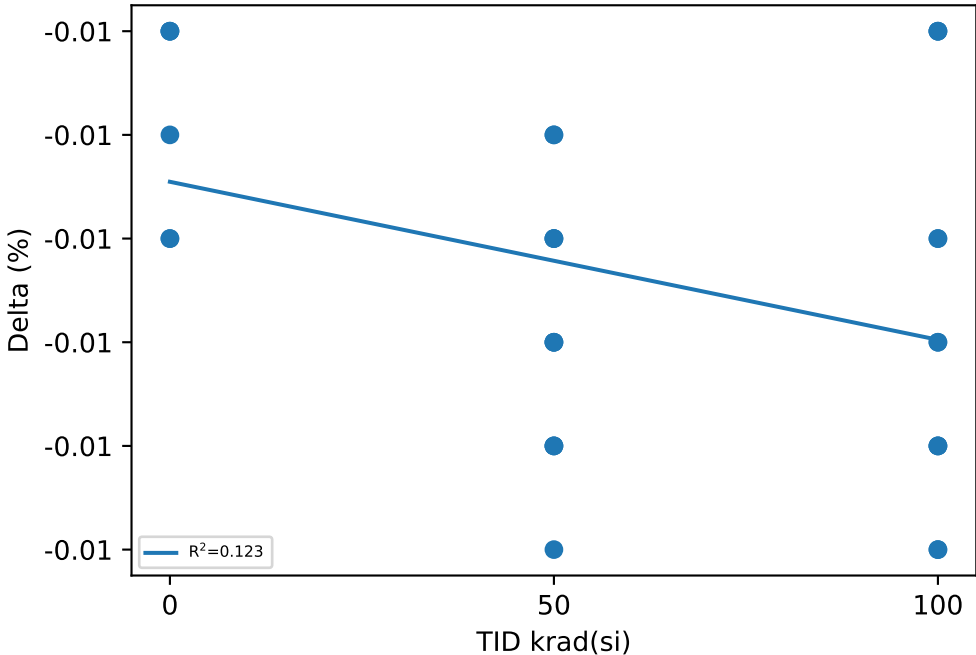
TID vs Result Stats



Test Results (Lower Limit = 75.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 98.726     | 98.718      | -0.008 |
| 201      | 0        | Correlation         | 98.729     | 98.72       | -0.009 |
| 202      | 0        | Correlation         | 98.717     | 98.709      | -0.008 |
| 203      | 50       | Biased              | 98.728     | 98.719      | -0.009 |
| 204      | 50       | Biased              | 98.718     | 98.708      | -0.01  |
| 205      | 50       | Biased              | 98.71      | 98.7        | -0.01  |
| 206      | 50       | Biased              | 98.707     | 98.698      | -0.009 |
| 207      | 50       | Biased              | 98.715     | 98.704      | -0.011 |
| 208      | 50       | Biased              | 98.73      | 98.719      | -0.011 |
| 209      | 50       | Unbiased            | 98.727     | 98.715      | -0.012 |
| 210      | 50       | Unbiased            | 98.716     | 98.703      | -0.013 |
| 211      | 50       | Unbiased            | 98.716     | 98.704      | -0.012 |
| 212      | 50       | Unbiased            | 98.738     | 98.726      | -0.012 |
| 213      | 50       | Unbiased            | 98.721     | 98.71       | -0.011 |
| 214      | 50       | Unbiased            | 98.721     | 98.711      | -0.01  |
| 1200     | 0        | Correlation         | 98.726     | 98.716      | -0.01  |
| 1201     | 0        | Correlation         | 98.729     | 98.719      | -0.01  |
| 1202     | 0        | Correlation         | 98.717     | 98.709      | -0.008 |
| 1203     | 100      | Biased              | 98.728     | 98.72       | -0.008 |
| 1204     | 100      | Biased              | 98.718     | 98.71       | -0.008 |
| 1205     | 100      | Biased              | 98.71      | 98.7        | -0.01  |
| 1206     | 100      | Biased              | 98.707     | 98.699      | -0.008 |
| 1207     | 100      | Biased              | 98.715     | 98.704      | -0.011 |
| 1208     | 100      | Biased              | 98.73      | 98.718      | -0.012 |
| 1209     | 100      | Unbiased            | 98.727     | 98.714      | -0.013 |
| 1210     | 100      | Unbiased            | 98.716     | 98.703      | -0.013 |
| 1211     | 100      | Unbiased            | 98.716     | 98.704      | -0.012 |
| 1212     | 100      | Unbiased            | 98.738     | 98.727      | -0.011 |
| 1213     | 100      | Unbiased            | 98.721     | 98.711      | -0.01  |
| 1214     | 100      | Unbiased            | 98.721     | 98.709      | -0.012 |

TID vs Post - Pre Exposure Delta

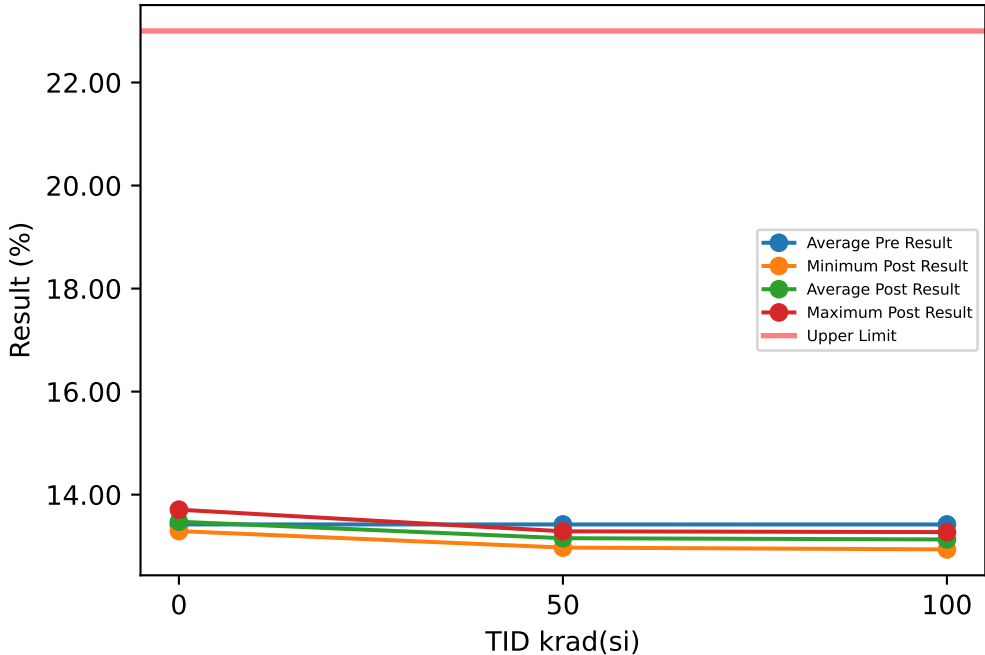


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|------------|
| 0        | 98.717           | 98.724           | 98.729           | 0.0055857        | 98.709            | 98.715            | 98.72             | 0.0049565         | -0.01     | -0.0088333 | -0.008    | 0.00098319 |
| 50       | 98.707           | 98.721           | 98.738           | 0.0088673        | 98.698            | 98.71             | 98.726            | 0.0085931         | -0.013    | -0.010833  | -0.009    | 0.0012673  |
| 100      | 98.707           | 98.721           | 98.738           | 0.0088673        | 98.699            | 98.71             | 98.727            | 0.0085966         | -0.013    | -0.010667  | -0.008    | 0.0018749  |

Device Test: 6.113; VOL\_RESET\_10MA

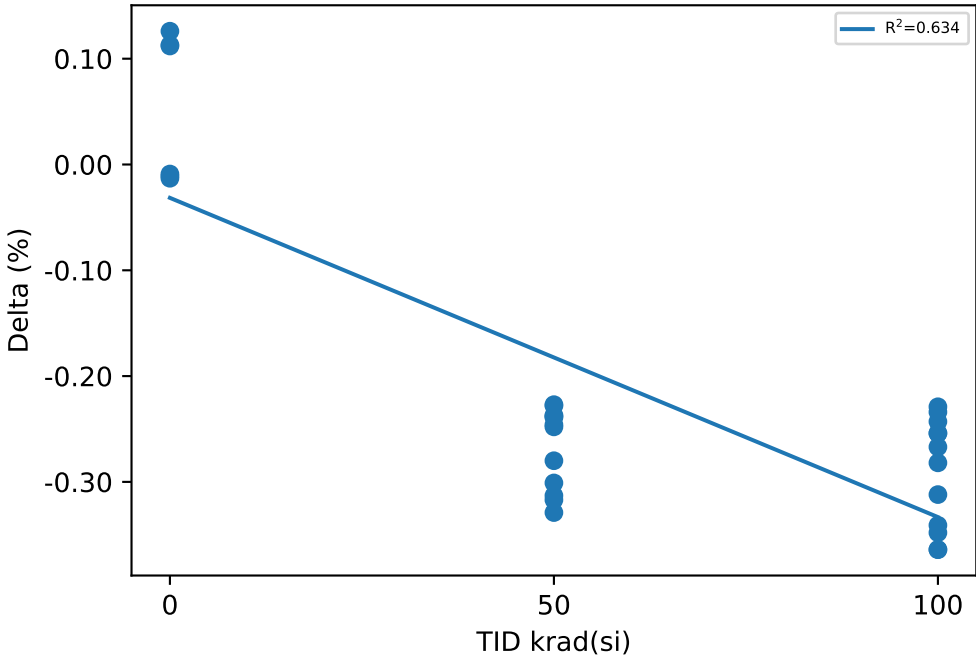
TID vs Result Stats



Test Results (Upper Limit = 23.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 13.367     | 13.356      | -0.011 |
| 201      | 0        | Correlation         | 13.302     | 13.293      | -0.009 |
| 202      | 0        | Correlation         | 13.596     | 13.583      | -0.013 |
| 203      | 50       | Biased              | 13.489     | 13.241      | -0.248 |
| 204      | 50       | Biased              | 13.393     | 13.147      | -0.246 |
| 205      | 50       | Biased              | 13.429     | 13.202      | -0.227 |
| 206      | 50       | Biased              | 13.395     | 13.156      | -0.239 |
| 207      | 50       | Biased              | 13.516     | 13.288      | -0.228 |
| 208      | 50       | Biased              | 13.474     | 13.237      | -0.237 |
| 209      | 50       | Unbiased            | 13.371     | 13.07       | -0.301 |
| 210      | 50       | Unbiased            | 13.269     | 12.989      | -0.28  |
| 211      | 50       | Unbiased            | 13.474     | 13.236      | -0.238 |
| 212      | 50       | Unbiased            | 13.285     | 12.972      | -0.313 |
| 213      | 50       | Unbiased            | 13.436     | 13.119      | -0.317 |
| 214      | 50       | Unbiased            | 13.523     | 13.194      | -0.329 |
| 1200     | 0        | Correlation         | 13.367     | 13.493      | 0.126  |
| 1201     | 0        | Correlation         | 13.302     | 13.415      | 0.113  |
| 1202     | 0        | Correlation         | 13.596     | 13.708      | 0.112  |
| 1203     | 100      | Biased              | 13.489     | 13.207      | -0.282 |
| 1204     | 100      | Biased              | 13.393     | 13.126      | -0.267 |
| 1205     | 100      | Biased              | 13.429     | 13.175      | -0.254 |
| 1206     | 100      | Biased              | 13.395     | 13.161      | -0.234 |
| 1207     | 100      | Biased              | 13.516     | 13.273      | -0.243 |
| 1208     | 100      | Biased              | 13.474     | 13.22       | -0.254 |
| 1209     | 100      | Unbiased            | 13.371     | 13.03       | -0.341 |
| 1210     | 100      | Unbiased            | 13.269     | 12.957      | -0.312 |
| 1211     | 100      | Unbiased            | 13.474     | 13.245      | -0.229 |
| 1212     | 100      | Unbiased            | 13.285     | 12.937      | -0.348 |
| 1213     | 100      | Unbiased            | 13.436     | 13.072      | -0.364 |
| 1214     | 100      | Unbiased            | 13.523     | 13.159      | -0.364 |

TID vs Post - Pre Exposure Delta

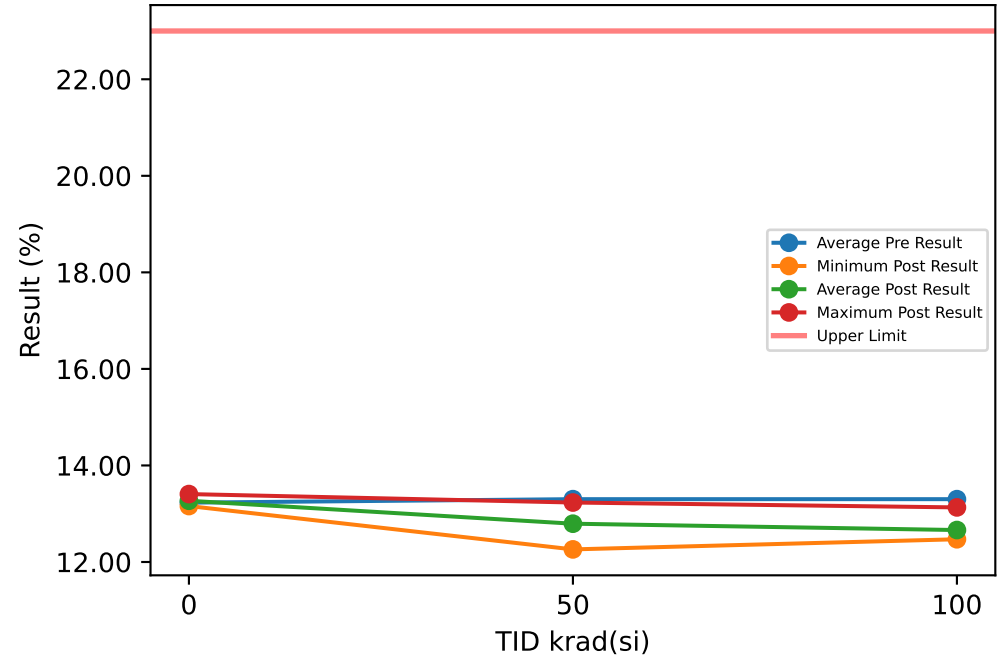


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 13.302           | 13.422           | 13.596           | 0.13813          | 13.293            | 13.475            | 13.708            | 0.15308           | -0.013    | 0.053     | 0.126     | 0.070294  |
| 50       | 13.269           | 13.421           | 13.523           | 0.082858         | 12.972            | 13.154            | 13.288            | 0.10078           | -0.329    | -0.26692  | -0.227    | 0.038415  |
| 100      | 13.269           | 13.421           | 13.523           | 0.082858         | 12.937            | 13.13             | 13.273            | 0.10958           | -0.364    | -0.291    | -0.229    | 0.051909  |

Device Test: 6.114; VOL\_RESET\_10MA

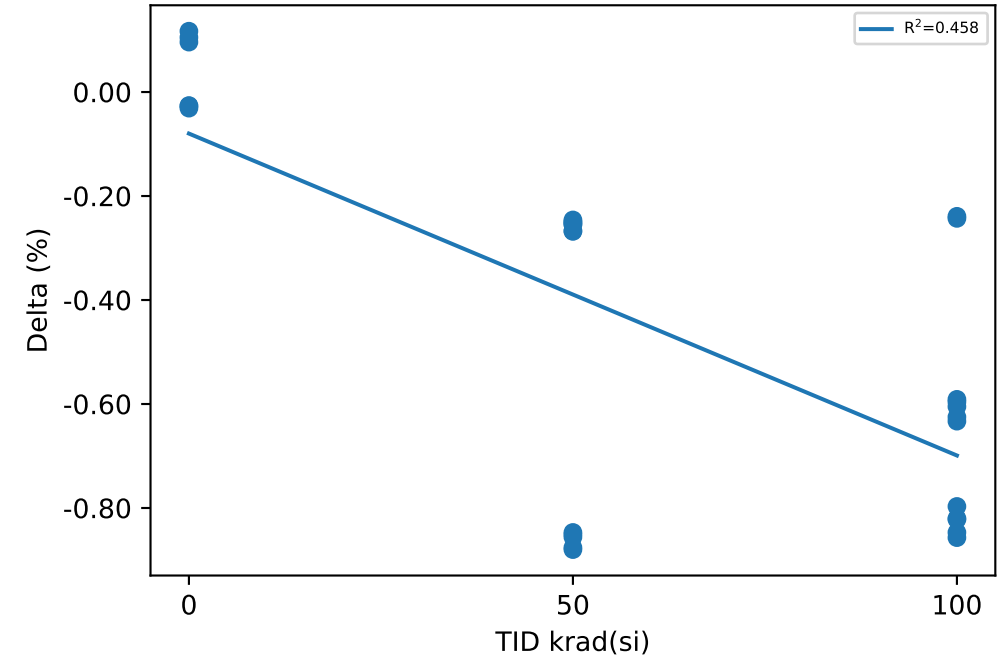
TID vs Result Stats



Test Results (Upper Limit = 23.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 13.29      | 13.263      | -0.027 |
| 201      | 0        | Correlation         | 13.185     | 13.159      | -0.026 |
| 202      | 0        | Correlation         | 13.214     | 13.183      | -0.031 |
| 203      | 50       | Biased              | 13.42      | 13.153      | -0.267 |
| 204      | 50       | Biased              | 13.318     | 13.05       | -0.268 |
| 205      | 50       | Biased              | 13.481     | 13.232      | -0.249 |
| 206      | 50       | Biased              | 13.185     | 12.931      | -0.254 |
| 207      | 50       | Biased              | 13.452     | 13.206      | -0.246 |
| 208      | 50       | Biased              | 13.277     | 13.026      | -0.251 |
| 209      | 50       | Unbiased            | 13.148     | 12.301      | -0.847 |
| 210      | 50       | Unbiased            | 13.279     | 12.428      | -0.851 |
| 211      | 50       | Unbiased            | 13.37      | 13.115      | -0.255 |
| 212      | 50       | Unbiased            | 13.117     | 12.261      | -0.856 |
| 213      | 50       | Unbiased            | 13.338     | 12.458      | -0.88  |
| 214      | 50       | Unbiased            | 13.235     | 12.359      | -0.876 |
| 1200     | 0        | Correlation         | 13.29      | 13.407      | 0.117  |
| 1201     | 0        | Correlation         | 13.185     | 13.29       | 0.105  |
| 1202     | 0        | Correlation         | 13.214     | 13.31       | 0.096  |
| 1203     | 100      | Biased              | 13.42      | 12.563      | -0.857 |
| 1204     | 100      | Biased              | 13.318     | 12.471      | -0.847 |
| 1205     | 100      | Biased              | 13.481     | 12.661      | -0.82  |
| 1206     | 100      | Biased              | 13.185     | 12.942      | -0.243 |
| 1207     | 100      | Biased              | 13.452     | 12.63       | -0.822 |
| 1208     | 100      | Biased              | 13.277     | 12.48       | -0.797 |
| 1209     | 100      | Unbiased            | 13.148     | 12.557      | -0.591 |
| 1210     | 100      | Unbiased            | 13.279     | 12.683      | -0.596 |
| 1211     | 100      | Unbiased            | 13.37      | 13.131      | -0.239 |
| 1212     | 100      | Unbiased            | 13.117     | 12.512      | -0.605 |
| 1213     | 100      | Unbiased            | 13.338     | 12.705      | -0.633 |
| 1214     | 100      | Unbiased            | 13.235     | 12.61       | -0.625 |

TID vs Post - Pre Exposure Delta

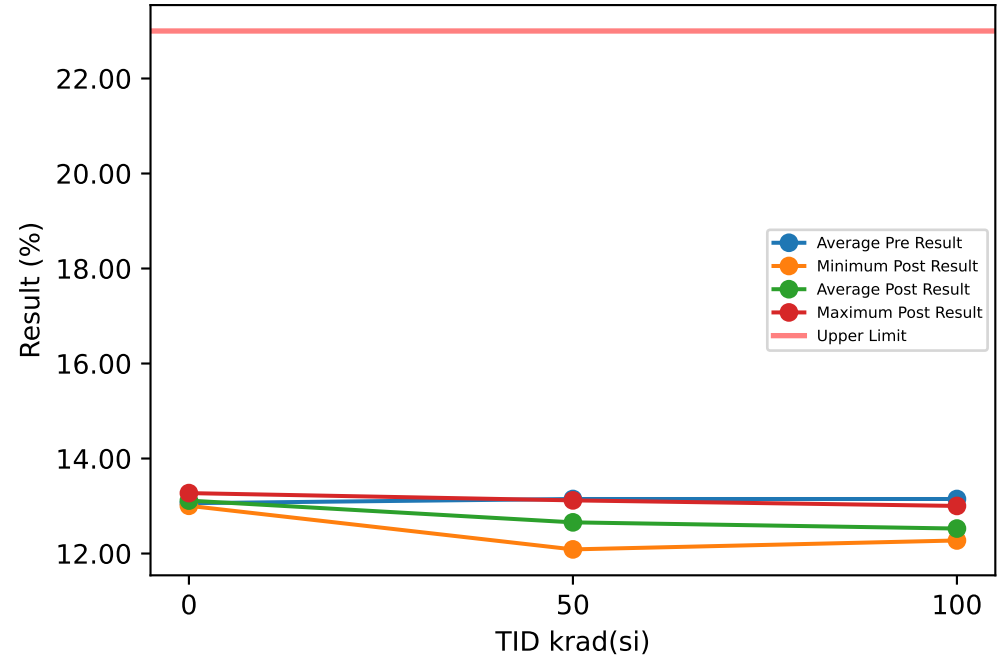


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 13.185           | 13.23            | 13.29            | 0.0485           | 13.159            | 13.269            | 13.407            | 0.090219          | -0.031    | 0.039     | 0.117     | 0.073716  |
| 50       | 13.117           | 13.302           | 13.481           | 0.11752          | 12.261            | 12.793            | 13.232            | 0.39253           | -0.88     | -0.50833  | -0.246    | 0.31239   |
| 100      | 13.117           | 13.302           | 13.481           | 0.11752          | 12.471            | 12.662            | 13.131            | 0.19478           | -0.857    | -0.63958  | -0.239    | 0.21413   |

Device Test: 6.115; VOL\_RESET\_10MA

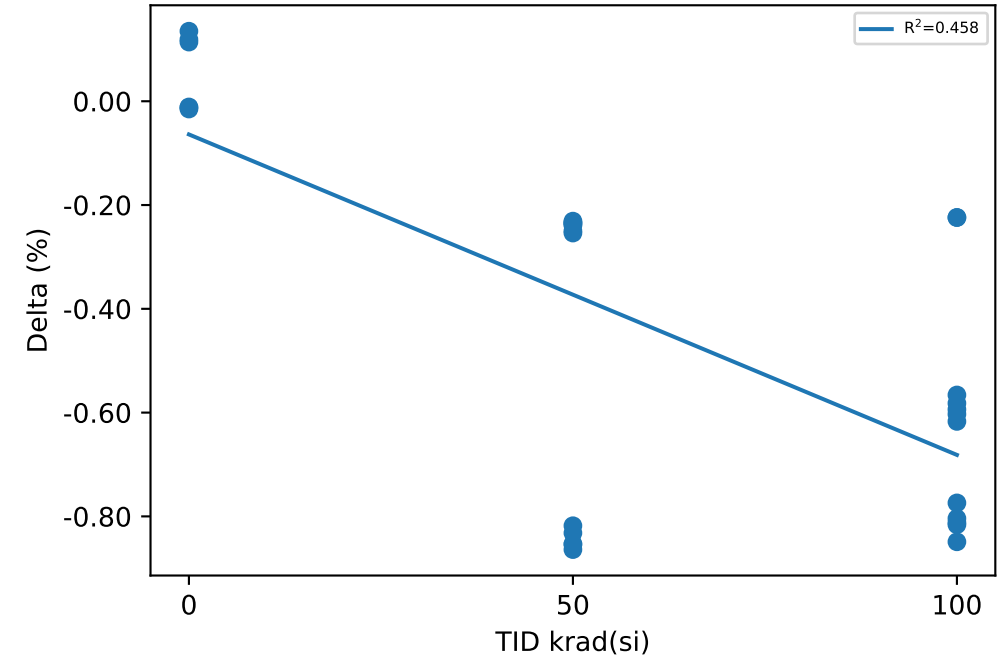
TID vs Result Stats



Test Results (Upper Limit = 23.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 13.137     | 13.125      | -0.012 |
| 201      | 0        | Correlation         | 13.016     | 13.005      | -0.011 |
| 202      | 0        | Correlation         | 13.026     | 13.011      | -0.015 |
| 203      | 50       | Biased              | 13.332     | 13.078      | -0.254 |
| 204      | 50       | Biased              | 13.091     | 12.841      | -0.25  |
| 205      | 50       | Biased              | 13.353     | 13.119      | -0.234 |
| 206      | 50       | Biased              | 13.037     | 12.8        | -0.237 |
| 207      | 50       | Biased              | 13.314     | 13.083      | -0.231 |
| 208      | 50       | Biased              | 13.103     | 12.869      | -0.234 |
| 209      | 50       | Unbiased            | 13.073     | 12.22       | -0.853 |
| 210      | 50       | Unbiased            | 13.071     | 12.253      | -0.818 |
| 211      | 50       | Unbiased            | 13.226     | 12.987      | -0.239 |
| 212      | 50       | Unbiased            | 12.919     | 12.087      | -0.832 |
| 213      | 50       | Unbiased            | 13.214     | 12.35       | -0.864 |
| 214      | 50       | Unbiased            | 13.043     | 12.189      | -0.854 |
| 1200     | 0        | Correlation         | 13.137     | 13.272      | 0.135  |
| 1201     | 0        | Correlation         | 13.016     | 13.135      | 0.119  |
| 1202     | 0        | Correlation         | 13.026     | 13.14       | 0.114  |
| 1203     | 100      | Biased              | 13.332     | 12.483      | -0.849 |
| 1204     | 100      | Biased              | 13.091     | 12.275      | -0.816 |
| 1205     | 100      | Biased              | 13.353     | 12.549      | -0.804 |
| 1206     | 100      | Biased              | 13.037     | 12.813      | -0.224 |
| 1207     | 100      | Biased              | 13.314     | 12.502      | -0.812 |
| 1208     | 100      | Biased              | 13.103     | 12.329      | -0.774 |
| 1209     | 100      | Unbiased            | 13.073     | 12.479      | -0.594 |
| 1210     | 100      | Unbiased            | 13.071     | 12.505      | -0.566 |
| 1211     | 100      | Unbiased            | 13.226     | 13.002      | -0.224 |
| 1212     | 100      | Unbiased            | 12.919     | 12.337      | -0.582 |
| 1213     | 100      | Unbiased            | 13.214     | 12.597      | -0.617 |
| 1214     | 100      | Unbiased            | 13.043     | 12.44       | -0.603 |

TID vs Post - Pre Exposure Delta

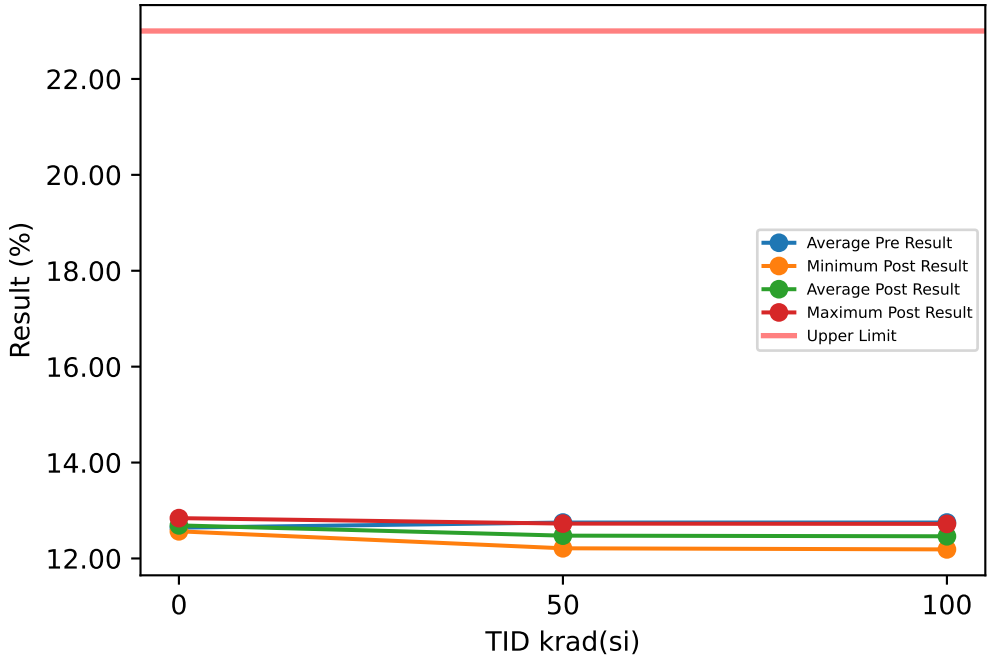


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 13.016           | 13.06            | 13.137           | 0.060069         | 13.005            | 13.115            | 13.272            | 0.098681          | -0.015    | 0.055     | 0.135     | 0.074461  |
| 50       | 12.919           | 13.148           | 13.353           | 0.13701          | 12.087            | 12.656            | 13.119            | 0.40144           | -0.864    | -0.49167  | -0.231    | 0.31146   |
| 100      | 12.919           | 13.148           | 13.353           | 0.13701          | 12.275            | 12.526            | 13.002            | 0.2055            | -0.849    | -0.62208  | -0.224    | 0.2141    |

Device Test: 6.116; VOL\_RESET\_10MA

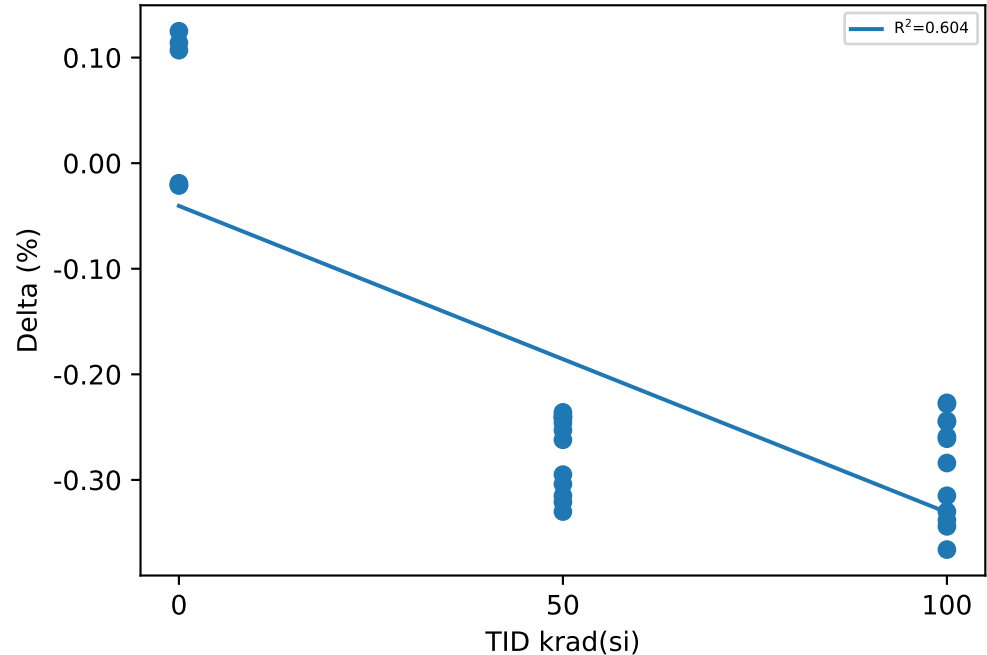
TID vs Result Stats



Test Results (Upper Limit = 23.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 12.716     | 12.695      | -0.021 |
| 201      | 0        | Correlation         | 12.585     | 12.566      | -0.019 |
| 202      | 0        | Correlation         | 12.626     | 12.605      | -0.021 |
| 203      | 50       | Biased              | 12.96      | 12.698      | -0.262 |
| 204      | 50       | Biased              | 12.646     | 12.393      | -0.253 |
| 205      | 50       | Biased              | 12.926     | 12.685      | -0.241 |
| 206      | 50       | Biased              | 12.66      | 12.419      | -0.241 |
| 207      | 50       | Biased              | 12.966     | 12.727      | -0.239 |
| 208      | 50       | Biased              | 12.655     | 12.419      | -0.236 |
| 209      | 50       | Unbiased            | 12.658     | 12.354      | -0.304 |
| 210      | 50       | Unbiased            | 12.677     | 12.382      | -0.295 |
| 211      | 50       | Unbiased            | 12.817     | 12.571      | -0.246 |
| 212      | 50       | Unbiased            | 12.527     | 12.212      | -0.315 |
| 213      | 50       | Unbiased            | 12.853     | 12.523      | -0.33  |
| 214      | 50       | Unbiased            | 12.647     | 12.326      | -0.321 |
| 1200     | 0        | Correlation         | 12.716     | 12.841      | 0.125  |
| 1201     | 0        | Correlation         | 12.585     | 12.699      | 0.114  |
| 1202     | 0        | Correlation         | 12.626     | 12.733      | 0.107  |
| 1203     | 100      | Biased              | 12.96      | 12.676      | -0.284 |
| 1204     | 100      | Biased              | 12.646     | 12.387      | -0.259 |
| 1205     | 100      | Biased              | 12.926     | 12.665      | -0.261 |
| 1206     | 100      | Biased              | 12.66      | 12.433      | -0.227 |
| 1207     | 100      | Biased              | 12.966     | 12.721      | -0.245 |
| 1208     | 100      | Biased              | 12.655     | 12.411      | -0.244 |
| 1209     | 100      | Unbiased            | 12.658     | 12.328      | -0.33  |
| 1210     | 100      | Unbiased            | 12.677     | 12.362      | -0.315 |
| 1211     | 100      | Unbiased            | 12.817     | 12.589      | -0.228 |
| 1212     | 100      | Unbiased            | 12.527     | 12.189      | -0.338 |
| 1213     | 100      | Unbiased            | 12.853     | 12.487      | -0.366 |
| 1214     | 100      | Unbiased            | 12.647     | 12.303      | -0.344 |

TID vs Post - Pre Exposure Delta



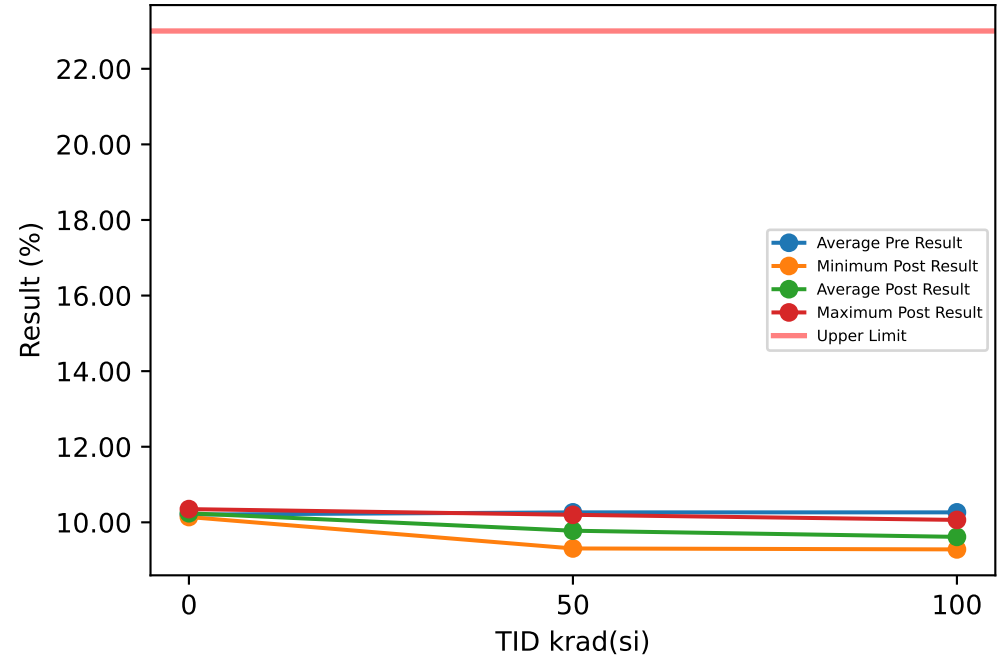
Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.585           | 12.642           | 12.716           | 0.059936         | 12.566            | 12.69             | 12.841            | 0.097321          | -0.021    | 0.0475    | 0.125     | 0.074533  |
| 50       | 12.527           | 12.749           | 12.966           | 0.14737          | 12.212            | 12.476            | 12.727            | 0.16418           | -0.33     | -0.27358  | -0.236    | 0.036408  |
| 100      | 12.527           | 12.749           | 12.966           | 0.14737          | 12.189            | 12.463            | 12.721            | 0.16724           | -0.366    | -0.28675  | -0.227    | 0.049439  |



Device Test: 6.117; VOL\_WDO\_10MA

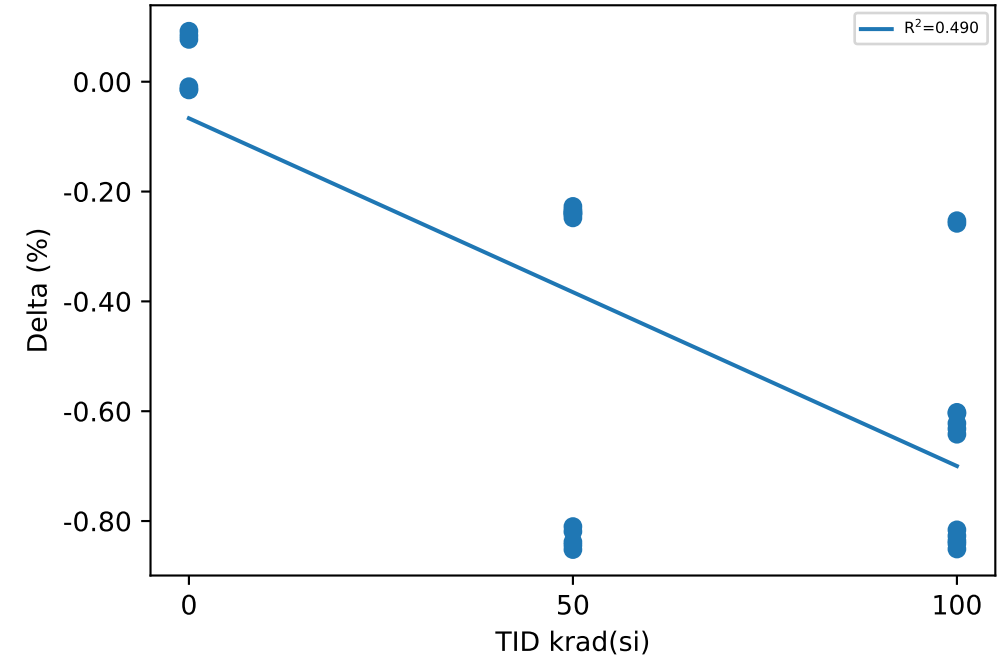
TID vs Result Stats



Test Results (Upper Limit = 23.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 10.258     | 10.244      | -0.014 |
| 201      | 0        | Correlation         | 10.149     | 10.14       | -0.009 |
| 202      | 0        | Correlation         | 10.207     | 10.192      | -0.015 |
| 203      | 50       | Biased              | 10.243     | 10.001      | -0.242 |
| 204      | 50       | Biased              | 10.12      | 9.872       | -0.248 |
| 205      | 50       | Biased              | 10.432     | 10.199      | -0.233 |
| 206      | 50       | Biased              | 10.307     | 10.067      | -0.24  |
| 207      | 50       | Biased              | 10.376     | 10.149      | -0.227 |
| 208      | 50       | Biased              | 10.286     | 10.05       | -0.236 |
| 209      | 50       | Unbiased            | 10.142     | 9.332       | -0.81  |
| 210      | 50       | Unbiased            | 10.21      | 9.391       | -0.819 |
| 211      | 50       | Unbiased            | 10.317     | 10.078      | -0.239 |
| 212      | 50       | Unbiased            | 10.147     | 9.309       | -0.838 |
| 213      | 50       | Unbiased            | 10.364     | 9.512       | -0.852 |
| 214      | 50       | Unbiased            | 10.224     | 9.38        | -0.844 |
| 1200     | 0        | Correlation         | 10.258     | 10.35       | 0.092  |
| 1201     | 0        | Correlation         | 10.149     | 10.233      | 0.084  |
| 1202     | 0        | Correlation         | 10.207     | 10.284      | 0.077  |
| 1203     | 100      | Biased              | 10.243     | 9.392       | -0.851 |
| 1204     | 100      | Biased              | 10.12      | 9.284       | -0.836 |
| 1205     | 100      | Biased              | 10.432     | 9.591       | -0.841 |
| 1206     | 100      | Biased              | 10.307     | 10.049      | -0.258 |
| 1207     | 100      | Biased              | 10.376     | 9.549       | -0.827 |
| 1208     | 100      | Biased              | 10.286     | 9.47        | -0.816 |
| 1209     | 100      | Unbiased            | 10.142     | 9.54        | -0.602 |
| 1210     | 100      | Unbiased            | 10.21      | 9.606       | -0.604 |
| 1211     | 100      | Unbiased            | 10.317     | 10.064      | -0.253 |
| 1212     | 100      | Unbiased            | 10.147     | 9.525       | -0.622 |
| 1213     | 100      | Unbiased            | 10.364     | 9.722       | -0.642 |
| 1214     | 100      | Unbiased            | 10.224     | 9.592       | -0.632 |

TID vs Post - Pre Exposure Delta

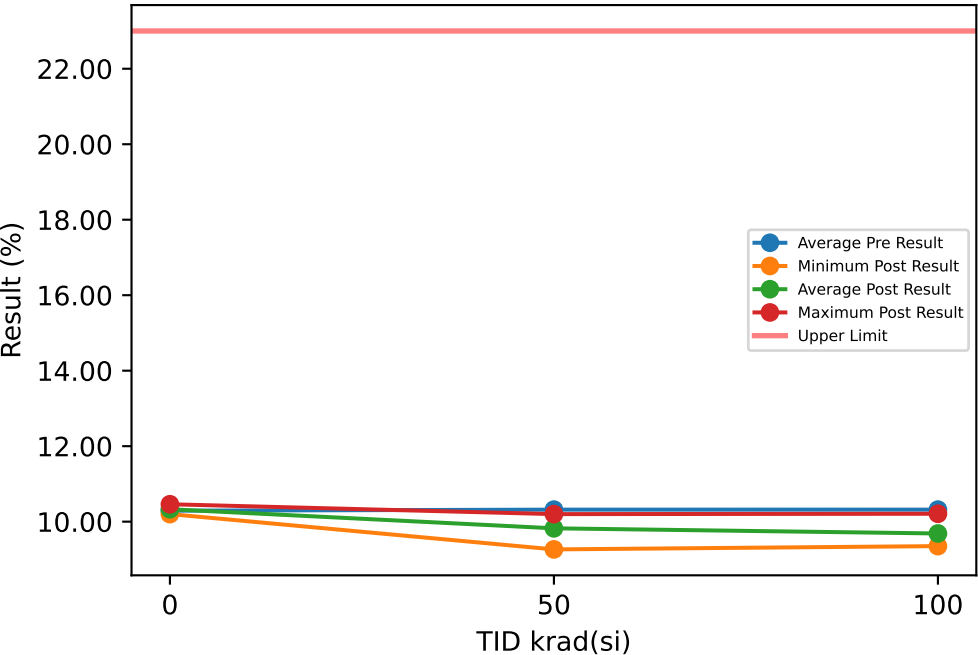


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 10.149           | 10.205           | 10.258           | 0.04878          | 10.14             | 10.24             | 10.35             | 0.072668          | -0.015    | 0.035833  | 0.092     | 0.053379  |
| 50       | 10.12            | 10.264           | 10.432           | 0.10008          | 9.309             | 9.7783            | 10.199            | 0.35913           | -0.852    | -0.48567  | -0.227    | 0.30647   |
| 100      | 10.12            | 10.264           | 10.432           | 0.10008          | 9.284             | 9.6153            | 10.064            | 0.23374           | -0.851    | -0.64867  | -0.253    | 0.21046   |

Device Test: 6.118; VOL\_PWRGD\_10MA

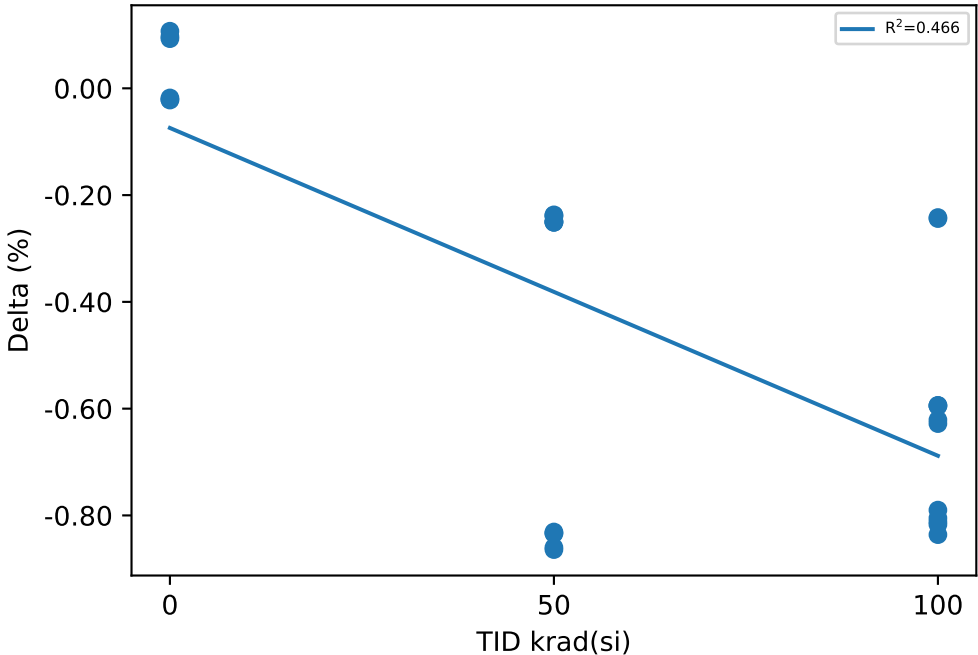
TID vs Result Stats



Test Results (Upper Limit = 23.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 10.354     | 10.332      | -0.022 |
| 201      | 0        | Correlation         | 10.218     | 10.2        | -0.018 |
| 202      | 0        | Correlation         | 10.299     | 10.278      | -0.021 |
| 203      | 50       | Biased              | 10.284     | 10.035      | -0.249 |
| 204      | 50       | Biased              | 10.157     | 9.907       | -0.25  |
| 205      | 50       | Biased              | 10.408     | 10.17       | -0.238 |
| 206      | 50       | Biased              | 10.411     | 10.16       | -0.251 |
| 207      | 50       | Biased              | 10.418     | 10.181      | -0.237 |
| 208      | 50       | Biased              | 10.285     | 10.045      | -0.24  |
| 209      | 50       | Unbiased            | 10.297     | 9.466       | -0.831 |
| 210      | 50       | Unbiased            | 10.304     | 9.47        | -0.834 |
| 211      | 50       | Unbiased            | 10.451     | 10.2        | -0.251 |
| 212      | 50       | Unbiased            | 10.098     | 9.265       | -0.833 |
| 213      | 50       | Unbiased            | 10.422     | 9.558       | -0.864 |
| 214      | 50       | Unbiased            | 10.285     | 9.425       | -0.86  |
| 1200     | 0        | Correlation         | 10.354     | 10.461      | 0.107  |
| 1201     | 0        | Correlation         | 10.218     | 10.315      | 0.097  |
| 1202     | 0        | Correlation         | 10.299     | 10.392      | 0.093  |
| 1203     | 100      | Biased              | 10.284     | 9.448       | -0.836 |
| 1204     | 100      | Biased              | 10.157     | 9.352       | -0.805 |
| 1205     | 100      | Biased              | 10.408     | 9.596       | -0.812 |
| 1206     | 100      | Biased              | 10.411     | 10.167      | -0.244 |
| 1207     | 100      | Biased              | 10.418     | 9.601       | -0.817 |
| 1208     | 100      | Biased              | 10.285     | 9.495       | -0.79  |
| 1209     | 100      | Unbiased            | 10.297     | 9.702       | -0.595 |
| 1210     | 100      | Unbiased            | 10.304     | 9.71        | -0.594 |
| 1211     | 100      | Unbiased            | 10.451     | 10.209      | -0.242 |
| 1212     | 100      | Unbiased            | 10.098     | 9.504       | -0.594 |
| 1213     | 100      | Unbiased            | 10.422     | 9.794       | -0.628 |
| 1214     | 100      | Unbiased            | 10.285     | 9.664       | -0.621 |

TID vs Post - Pre Exposure Delta

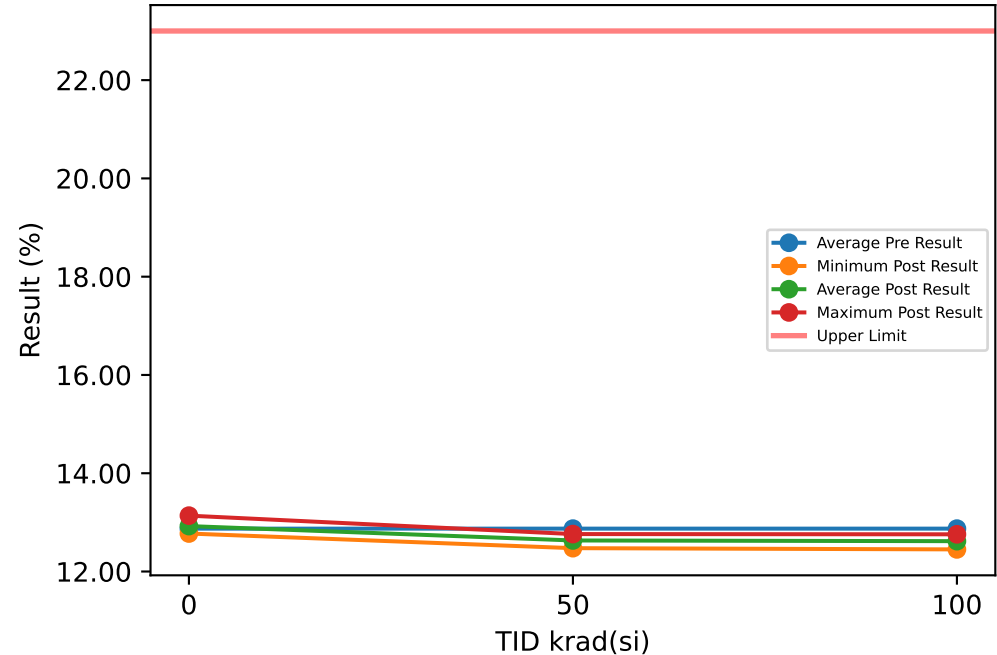


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 10.218           | 10.29            | 10.354           | 0.06119          | 10.2              | 10.33             | 10.461            | 0.090374          | -0.022    | 0.039333  | 0.107     | 0.065534  |
| 50       | 10.098           | 10.318           | 10.451           | 0.11018          | 9.265             | 9.8235            | 10.2              | 0.35645           | -0.864    | -0.49483  | -0.237    | 0.30877   |
| 100      | 10.098           | 10.318           | 10.451           | 0.11018          | 9.352             | 9.6868            | 10.209            | 0.26475           | -0.836    | -0.6315   | -0.242    | 0.20674   |

Device Test: 6.119; VOL\_RESET\_10MA

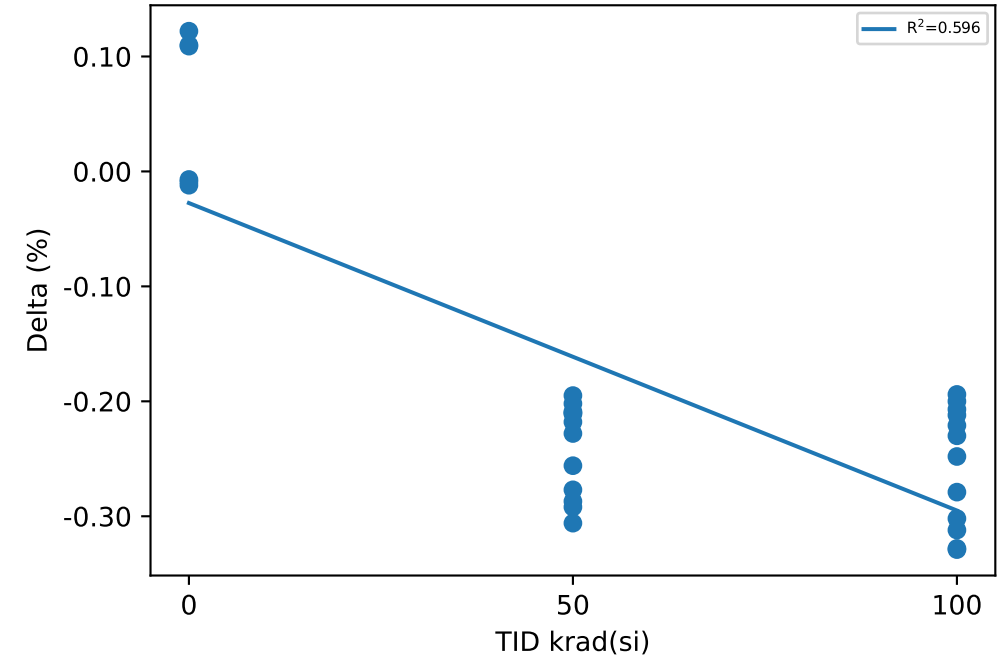
TID vs Result Stats



Test Results (Upper Limit = 23.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 12.809     | 12.8        | -0.009 |
| 201      | 0        | Correlation         | 12.78      | 12.773      | -0.007 |
| 202      | 0        | Correlation         | 13.028     | 13.016      | -0.012 |
| 203      | 50       | Biased              | 12.938     | 12.71       | -0.228 |
| 204      | 50       | Biased              | 12.868     | 12.65       | -0.218 |
| 205      | 50       | Biased              | 12.875     | 12.68       | -0.195 |
| 206      | 50       | Biased              | 12.844     | 12.634      | -0.21  |
| 207      | 50       | Biased              | 12.964     | 12.762      | -0.202 |
| 208      | 50       | Biased              | 12.923     | 12.712      | -0.211 |
| 209      | 50       | Unbiased            | 12.84      | 12.563      | -0.277 |
| 210      | 50       | Unbiased            | 12.742     | 12.486      | -0.256 |
| 211      | 50       | Unbiased            | 12.901     | 12.692      | -0.209 |
| 212      | 50       | Unbiased            | 12.762     | 12.475      | -0.287 |
| 213      | 50       | Unbiased            | 12.866     | 12.574      | -0.292 |
| 214      | 50       | Unbiased            | 12.949     | 12.643      | -0.306 |
| 1200     | 0        | Correlation         | 12.809     | 12.931      | 0.122  |
| 1201     | 0        | Correlation         | 12.78      | 12.89       | 0.11   |
| 1202     | 0        | Correlation         | 13.028     | 13.137      | 0.109  |
| 1203     | 100      | Biased              | 12.938     | 12.69       | -0.248 |
| 1204     | 100      | Biased              | 12.868     | 12.638      | -0.23  |
| 1205     | 100      | Biased              | 12.875     | 12.663      | -0.212 |
| 1206     | 100      | Biased              | 12.844     | 12.644      | -0.2   |
| 1207     | 100      | Biased              | 12.964     | 12.757      | -0.207 |
| 1208     | 100      | Biased              | 12.923     | 12.702      | -0.221 |
| 1209     | 100      | Unbiased            | 12.84      | 12.538      | -0.302 |
| 1210     | 100      | Unbiased            | 12.742     | 12.463      | -0.279 |
| 1211     | 100      | Unbiased            | 12.901     | 12.707      | -0.194 |
| 1212     | 100      | Unbiased            | 12.762     | 12.45       | -0.312 |
| 1213     | 100      | Unbiased            | 12.866     | 12.538      | -0.328 |
| 1214     | 100      | Unbiased            | 12.949     | 12.62       | -0.329 |

TID vs Post - Pre Exposure Delta

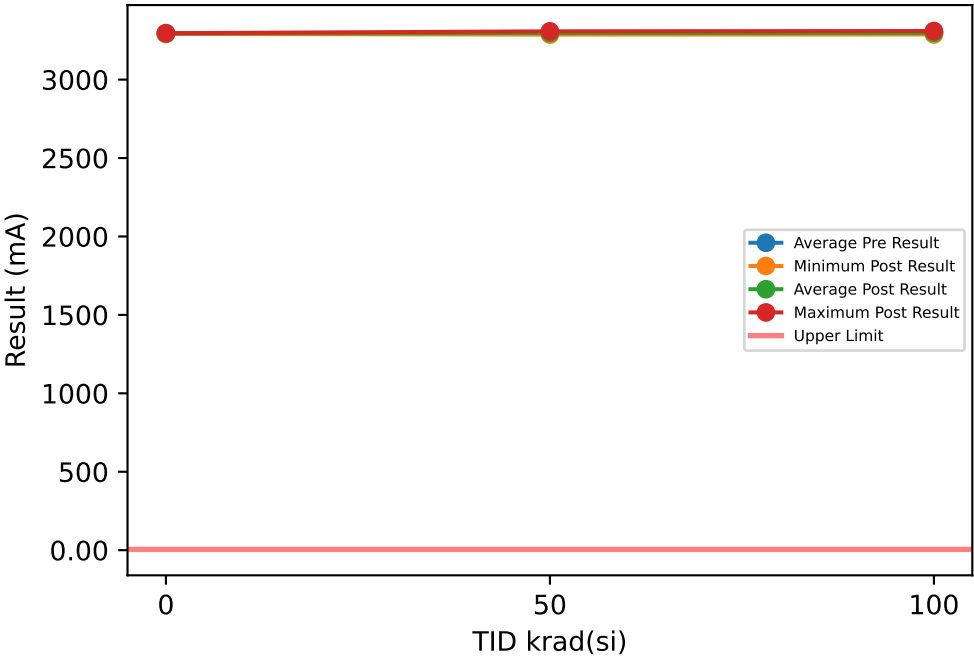


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.78            | 12.872           | 13.028           | 0.12127          | 12.773            | 12.925            | 13.137            | 0.13654           | -0.012    | 0.052167  | 0.122     | 0.067544  |
| 50       | 12.742           | 12.873           | 12.964           | 0.069449         | 12.475            | 12.632            | 12.762            | 0.090366          | -0.306    | -0.24092  | -0.195    | 0.040094  |
| 100      | 12.742           | 12.873           | 12.964           | 0.069449         | 12.45             | 12.617            | 12.757            | 0.098918          | -0.329    | -0.25517  | -0.194    | 0.051846  |

Device Test: 6.12 ; VLDO\_I\_MAX

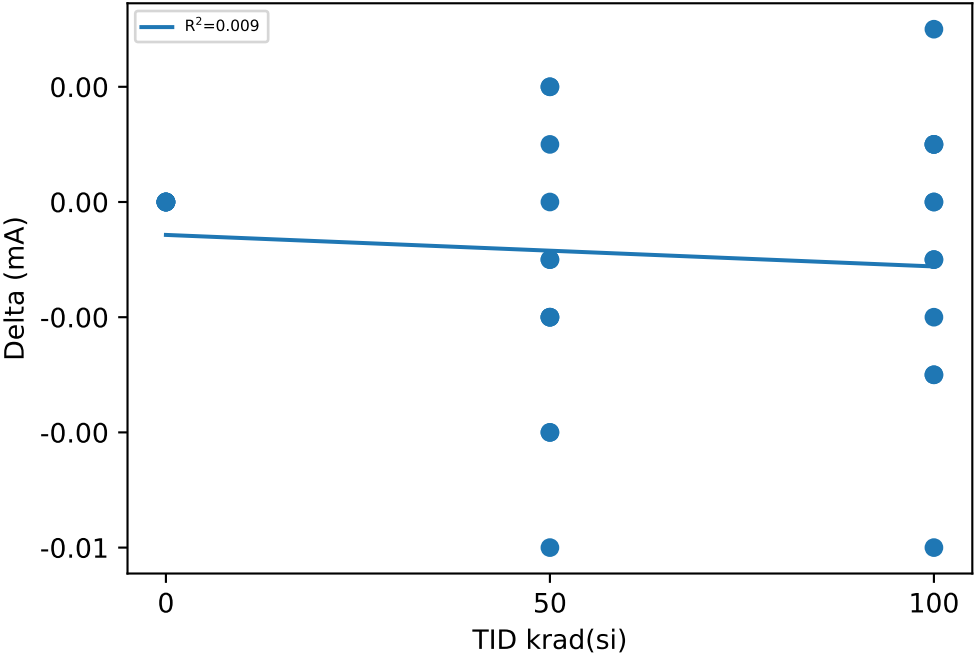
TID vs Result Stats



Test Results (Upper Limit = 5.0 (mA))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 3296       | 3296        | 0      |
| 201      | 0        | Correlation         | 3291       | 3291        | 0      |
| 202      | 0        | Correlation         | 3296       | 3296        | 0      |
| 203      | 50       | Biased              | 3291       | 3293        | 0.002  |
| 204      | 50       | Biased              | 3297       | 3293        | -0.004 |
| 205      | 50       | Biased              | 3302       | 3296        | -0.006 |
| 206      | 50       | Biased              | 3306       | 3302        | -0.004 |
| 207      | 50       | Biased              | 3297       | 3295        | -0.002 |
| 208      | 50       | Biased              | 3289       | 3289        | 0      |
| 209      | 50       | Unbiased            | 3298       | 3297        | -0.001 |
| 210      | 50       | Unbiased            | 3303       | 3302        | -0.001 |
| 211      | 50       | Unbiased            | 3310       | 3308        | -0.002 |
| 212      | 50       | Unbiased            | 3289       | 3287        | -0.002 |
| 213      | 50       | Unbiased            | 3306       | 3307        | 0.001  |
| 214      | 50       | Unbiased            | 3300       | 3302        | 0.002  |
| 1200     | 0        | Correlation         | 3296       | 3296        | 0      |
| 1201     | 0        | Correlation         | 3291       | 3291        | 0      |
| 1202     | 0        | Correlation         | 3296       | 3296        | 0      |
| 1203     | 100      | Biased              | 3291       | 3292        | 0.001  |
| 1204     | 100      | Biased              | 3297       | 3294        | -0.003 |
| 1205     | 100      | Biased              | 3302       | 3296        | -0.006 |
| 1206     | 100      | Biased              | 3306       | 3305        | -0.001 |
| 1207     | 100      | Biased              | 3297       | 3295        | -0.002 |
| 1208     | 100      | Biased              | 3289       | 3290        | 0.001  |
| 1209     | 100      | Unbiased            | 3298       | 3295        | -0.003 |
| 1210     | 100      | Unbiased            | 3303       | 3303        | 0      |
| 1211     | 100      | Unbiased            | 3310       | 3310        | 0      |
| 1212     | 100      | Unbiased            | 3289       | 3288        | -0.001 |
| 1213     | 100      | Unbiased            | 3306       | 3309        | 0.003  |
| 1214     | 100      | Unbiased            | 3300       | 3301        | 0.001  |

TID vs Post - Pre Exposure Delta

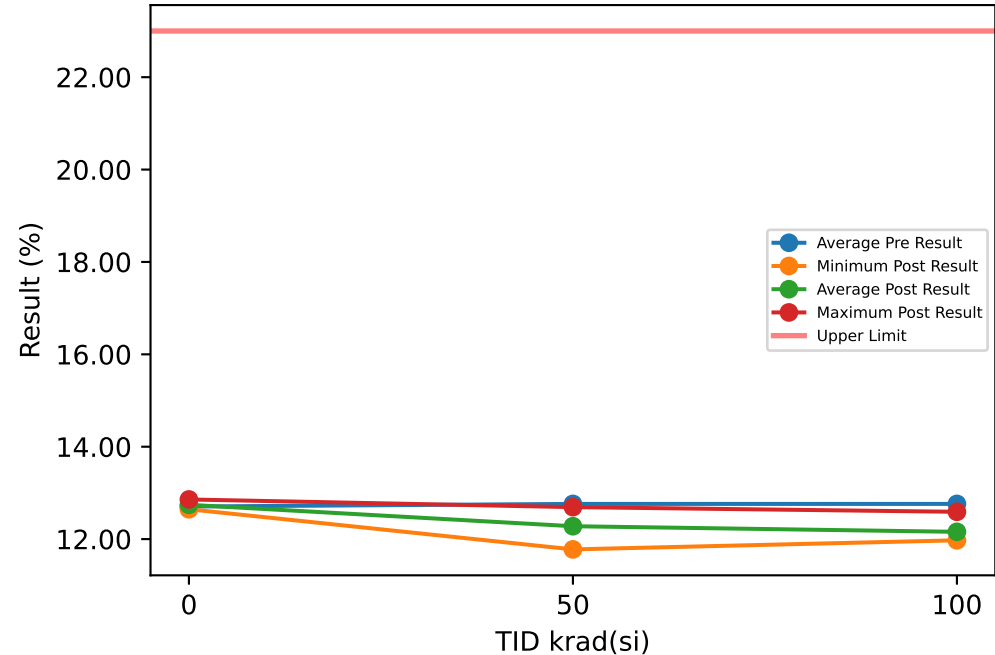


Test Statistics (mA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|-----------|
| 0        | 3291             | 3294.3           | 3296             | 2.582            | 3291              | 3294.3            | 3296              | 2.582             | 0         | 0           | 0         | 0         |
| 50       | 3289             | 3299             | 3310             | 6.8623           | 3287              | 3297.6            | 3308              | 6.6941            | -0.006    | -0.0014167  | 0.002     | 0.0024664 |
| 100      | 3289             | 3299             | 3310             | 6.8623           | 3288              | 3298.2            | 3310              | 7.2967            | -0.006    | -0.00083333 | 0.003     | 0.0024058 |

Device Test: 6.120; VOL\_RESET\_10MA

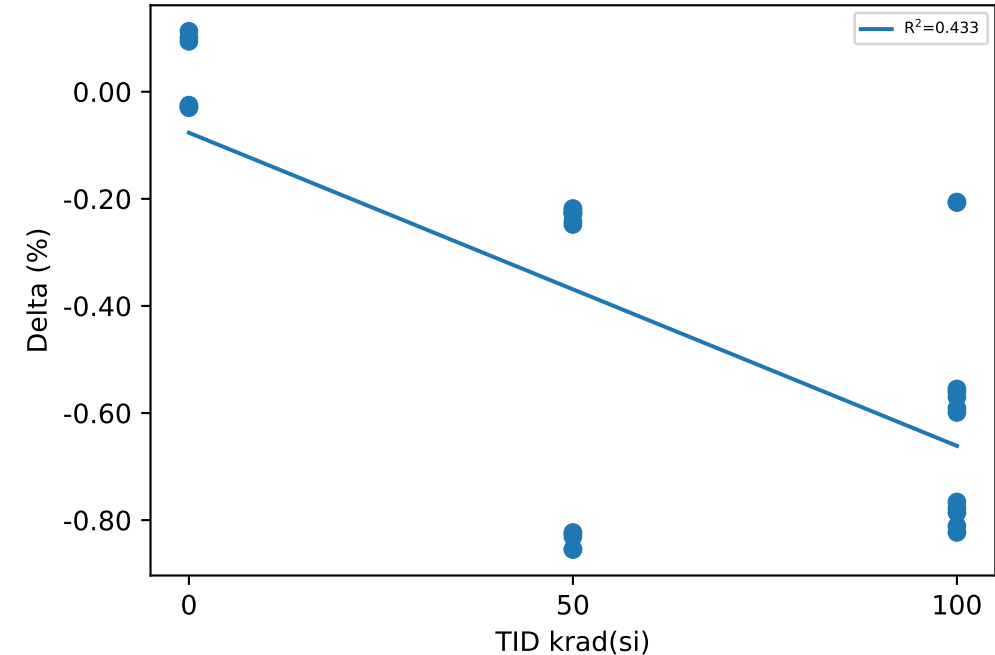
TID vs Result Stats



Test Results (Upper Limit = 23.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 12.745     | 12.717      | -0.028 |
| 201      | 0        | Correlation         | 12.671     | 12.646      | -0.025 |
| 202      | 0        | Correlation         | 12.699     | 12.669      | -0.03  |
| 203      | 50       | Biased              | 12.879     | 12.631      | -0.248 |
| 204      | 50       | Biased              | 12.803     | 12.561      | -0.242 |
| 205      | 50       | Biased              | 12.91      | 12.692      | -0.218 |
| 206      | 50       | Biased              | 12.641     | 12.415      | -0.226 |
| 207      | 50       | Biased              | 12.903     | 12.683      | -0.22  |
| 208      | 50       | Biased              | 12.74      | 12.513      | -0.227 |
| 209      | 50       | Unbiased            | 12.641     | 11.818      | -0.823 |
| 210      | 50       | Unbiased            | 12.747     | 11.922      | -0.825 |
| 211      | 50       | Unbiased            | 12.797     | 12.569      | -0.228 |
| 212      | 50       | Unbiased            | 12.608     | 11.777      | -0.831 |
| 213      | 50       | Unbiased            | 12.77      | 11.916      | -0.854 |
| 214      | 50       | Unbiased            | 12.703     | 11.848      | -0.855 |
| 1200     | 0        | Correlation         | 12.745     | 12.858      | 0.113  |
| 1201     | 0        | Correlation         | 12.671     | 12.772      | 0.101  |
| 1202     | 0        | Correlation         | 12.699     | 12.793      | 0.094  |
| 1203     | 100      | Biased              | 12.879     | 12.056      | -0.823 |
| 1204     | 100      | Biased              | 12.803     | 11.992      | -0.811 |
| 1205     | 100      | Biased              | 12.91      | 12.133      | -0.777 |
| 1206     | 100      | Biased              | 12.641     | 12.434      | -0.207 |
| 1207     | 100      | Biased              | 12.903     | 12.117      | -0.786 |
| 1208     | 100      | Biased              | 12.74      | 11.974      | -0.766 |
| 1209     | 100      | Unbiased            | 12.641     | 12.086      | -0.555 |
| 1210     | 100      | Unbiased            | 12.747     | 12.186      | -0.561 |
| 1211     | 100      | Unbiased            | 12.797     | 12.591      | -0.206 |
| 1212     | 100      | Unbiased            | 12.608     | 12.038      | -0.57  |
| 1213     | 100      | Unbiased            | 12.77      | 12.171      | -0.599 |
| 1214     | 100      | Unbiased            | 12.703     | 12.112      | -0.591 |

TID vs Post - Pre Exposure Delta

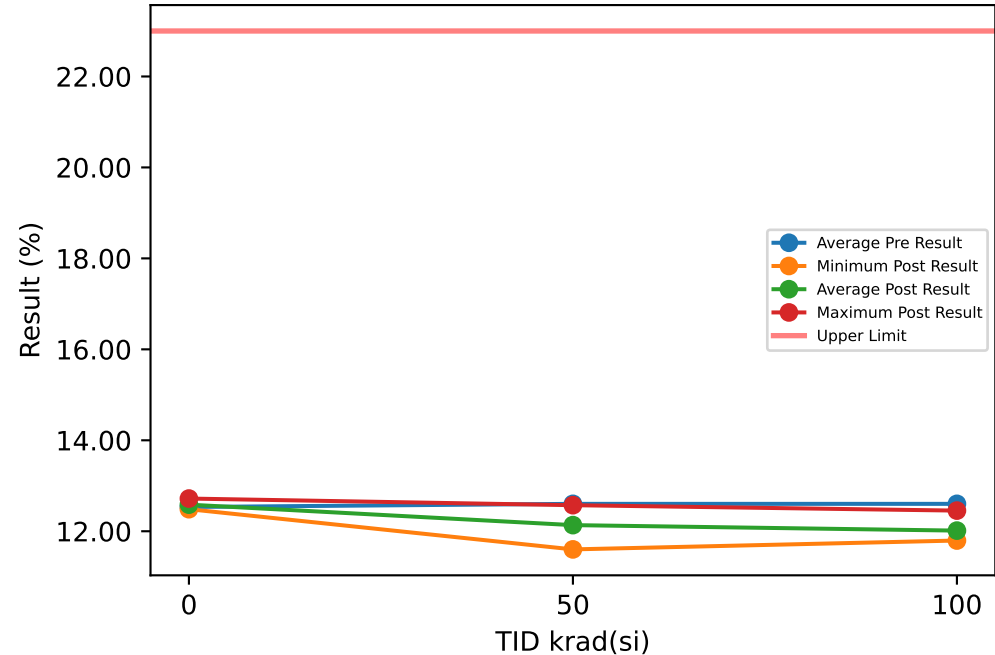


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.671           | 12.705           | 12.745           | 0.033419         | 12.646            | 12.742            | 12.858            | 0.080157          | -0.03     | 0.0375    | 0.113     | 0.071662  |
| 50       | 12.608           | 12.762           | 12.91            | 0.10253          | 11.777            | 12.279            | 12.692            | 0.38187           | -0.855    | -0.48308  | -0.218    | 0.3132    |
| 100      | 12.608           | 12.762           | 12.91            | 0.10253          | 11.974            | 12.157            | 12.591            | 0.18102           | -0.823    | -0.60433  | -0.206    | 0.21357   |

Device Test: 6.121; VOL\_RESET\_10MA

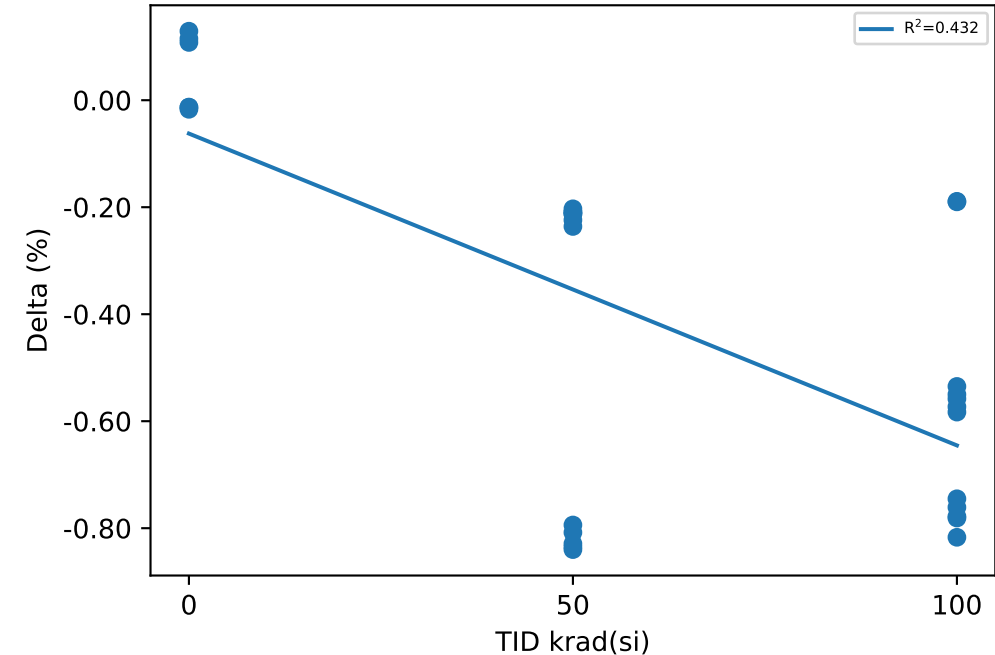
TID vs Result Stats



Test Results (Upper Limit = 23.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 12.59      | 12.577      | -0.013 |
| 201      | 0        | Correlation         | 12.498     | 12.485      | -0.013 |
| 202      | 0        | Correlation         | 12.513     | 12.496      | -0.017 |
| 203      | 50       | Biased              | 12.779     | 12.543      | -0.236 |
| 204      | 50       | Biased              | 12.577     | 12.353      | -0.224 |
| 205      | 50       | Biased              | 12.776     | 12.573      | -0.203 |
| 206      | 50       | Biased              | 12.487     | 12.278      | -0.209 |
| 207      | 50       | Biased              | 12.763     | 12.554      | -0.209 |
| 208      | 50       | Biased              | 12.562     | 12.35       | -0.212 |
| 209      | 50       | Unbiased            | 12.552     | 11.723      | -0.829 |
| 210      | 50       | Unbiased            | 12.538     | 11.744      | -0.794 |
| 211      | 50       | Unbiased            | 12.643     | 12.43       | -0.213 |
| 212      | 50       | Unbiased            | 12.409     | 11.601      | -0.808 |
| 213      | 50       | Unbiased            | 12.635     | 11.795      | -0.84  |
| 214      | 50       | Unbiased            | 12.509     | 11.674      | -0.835 |
| 1200     | 0        | Correlation         | 12.59      | 12.719      | 0.129  |
| 1201     | 0        | Correlation         | 12.498     | 12.613      | 0.115  |
| 1202     | 0        | Correlation         | 12.513     | 12.621      | 0.108  |
| 1203     | 100      | Biased              | 12.779     | 11.962      | -0.817 |
| 1204     | 100      | Biased              | 12.577     | 11.796      | -0.781 |
| 1205     | 100      | Biased              | 12.776     | 12.015      | -0.761 |
| 1206     | 100      | Biased              | 12.487     | 12.297      | -0.19  |
| 1207     | 100      | Biased              | 12.763     | 11.985      | -0.778 |
| 1208     | 100      | Biased              | 12.562     | 11.817      | -0.745 |
| 1209     | 100      | Unbiased            | 12.552     | 11.994      | -0.558 |
| 1210     | 100      | Unbiased            | 12.538     | 12.003      | -0.535 |
| 1211     | 100      | Unbiased            | 12.643     | 12.454      | -0.189 |
| 1212     | 100      | Unbiased            | 12.409     | 11.859      | -0.55  |
| 1213     | 100      | Unbiased            | 12.635     | 12.052      | -0.583 |
| 1214     | 100      | Unbiased            | 12.509     | 11.936      | -0.573 |

TID vs Post - Pre Exposure Delta



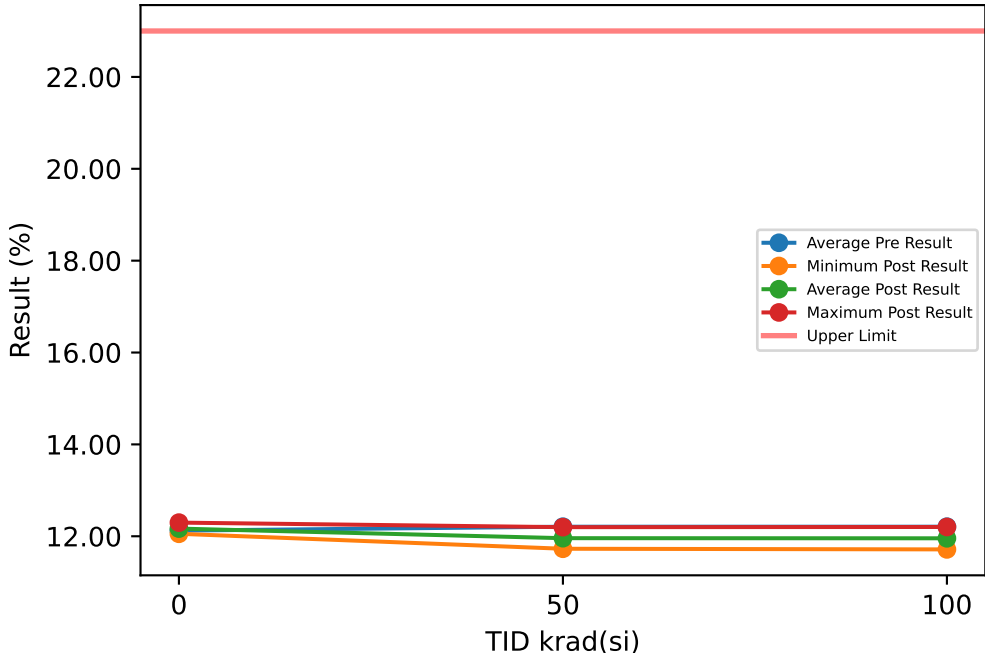
Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.498           | 12.534           | 12.59            | 0.044148         | 12.485            | 12.585            | 12.719            | 0.087202          | -0.017    | 0.0515    | 0.129     | 0.072448  |
| 50       | 12.409           | 12.602           | 12.779           | 0.11994          | 11.601            | 12.135            | 12.573            | 0.38975           | -0.84     | -0.46767  | -0.203    | 0.31241   |
| 100      | 12.409           | 12.602           | 12.779           | 0.11994          | 11.796            | 12.014            | 12.454            | 0.18965           | -0.817    | -0.58833  | -0.189    | 0.21392   |

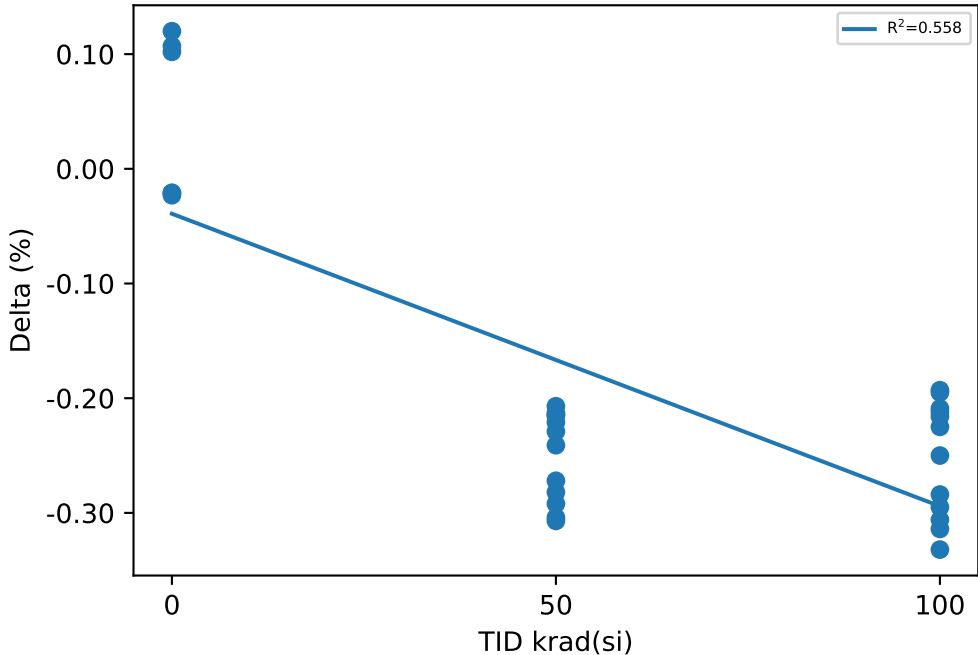


## Device Test: 6.122; VOL\_RESET\_10MA

## TID vs Result Stats



## TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 23.0 (%))

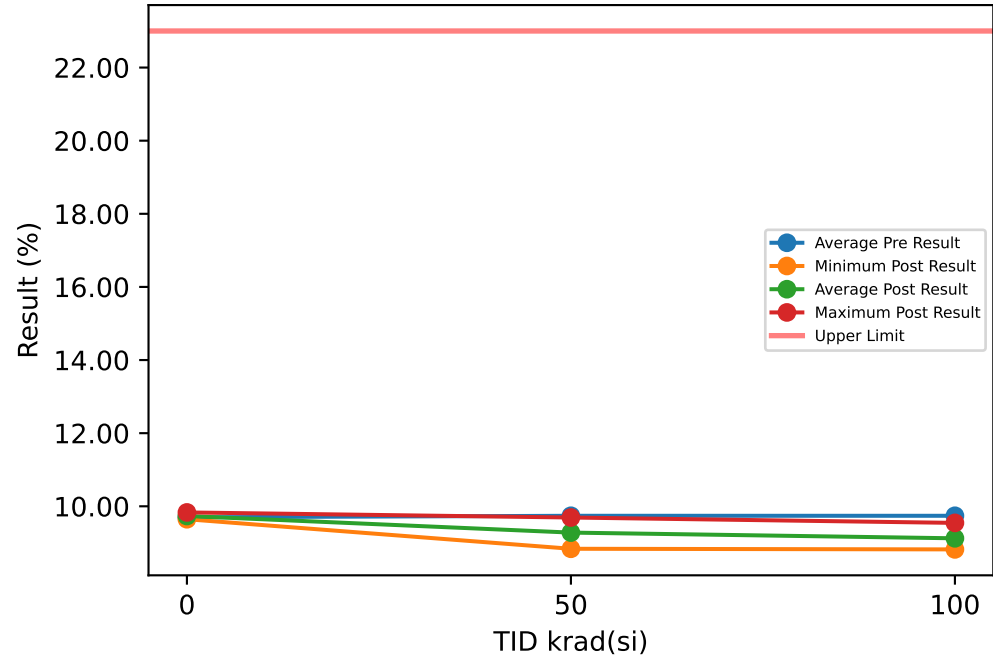
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 12.177     | 12.156      | -0.021 |
| 201      | 0        | Correlation         | 12.075     | 12.054      | -0.021 |
| 202      | 0        | Correlation         | 12.117     | 12.094      | -0.023 |
| 203      | 50       | Biased              | 12.41      | 12.169      | -0.241 |
| 204      | 50       | Biased              | 12.138     | 11.909      | -0.229 |
| 205      | 50       | Biased              | 12.358     | 12.151      | -0.207 |
| 206      | 50       | Biased              | 12.113     | 11.898      | -0.215 |
| 207      | 50       | Biased              | 12.411     | 12.198      | -0.213 |
| 208      | 50       | Biased              | 12.121     | 11.906      | -0.215 |
| 209      | 50       | Unbiased            | 12.142     | 11.86       | -0.282 |
| 210      | 50       | Unbiased            | 12.147     | 11.875      | -0.272 |
| 211      | 50       | Unbiased            | 12.243     | 12.022      | -0.221 |
| 212      | 50       | Unbiased            | 12.02      | 11.728      | -0.292 |
| 213      | 50       | Unbiased            | 12.277     | 11.97       | -0.307 |
| 214      | 50       | Unbiased            | 12.117     | 11.813      | -0.304 |
| 1200     | 0        | Correlation         | 12.177     | 12.297      | 0.12   |
| 1201     | 0        | Correlation         | 12.075     | 12.182      | 0.107  |
| 1202     | 0        | Correlation         | 12.117     | 12.219      | 0.102  |
| 1203     | 100      | Biased              | 12.41      | 12.16       | -0.25  |
| 1204     | 100      | Biased              | 12.138     | 11.913      | -0.225 |
| 1205     | 100      | Biased              | 12.358     | 12.142      | -0.216 |
| 1206     | 100      | Biased              | 12.113     | 11.92       | -0.193 |
| 1207     | 100      | Biased              | 12.411     | 12.202      | -0.209 |
| 1208     | 100      | Biased              | 12.121     | 11.909      | -0.212 |
| 1209     | 100      | Unbiased            | 12.142     | 11.847      | -0.295 |
| 1210     | 100      | Unbiased            | 12.147     | 11.863      | -0.284 |
| 1211     | 100      | Unbiased            | 12.243     | 12.048      | -0.195 |
| 1212     | 100      | Unbiased            | 12.02      | 11.714      | -0.306 |
| 1213     | 100      | Unbiased            | 12.277     | 11.945      | -0.332 |
| 1214     | 100      | Unbiased            | 12.117     | 11.803      | -0.314 |

### Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 12.075           | 12.123           | 12.177           | 0.045852         | 12.054            | 12.167            | 12.297            | 0.087233          | -0.023    | 0.044     | 0.12      | 0.072178  |
| 50       | 12.02            | 12.208           | 12.411           | 0.12923          | 11.728            | 11.958            | 12.198            | 0.14855           | -0.307    | -0.24983  | -0.207    | 0.038692  |
| 100      | 12.02            | 12.208           | 12.411           | 0.12923          | 11.714            | 11.956            | 12.202            | 0.15171           | -0.332    | -0.25258  | -0.193    | 0.050665  |

Device Test: 6.123; VOL\_WDO\_10MA

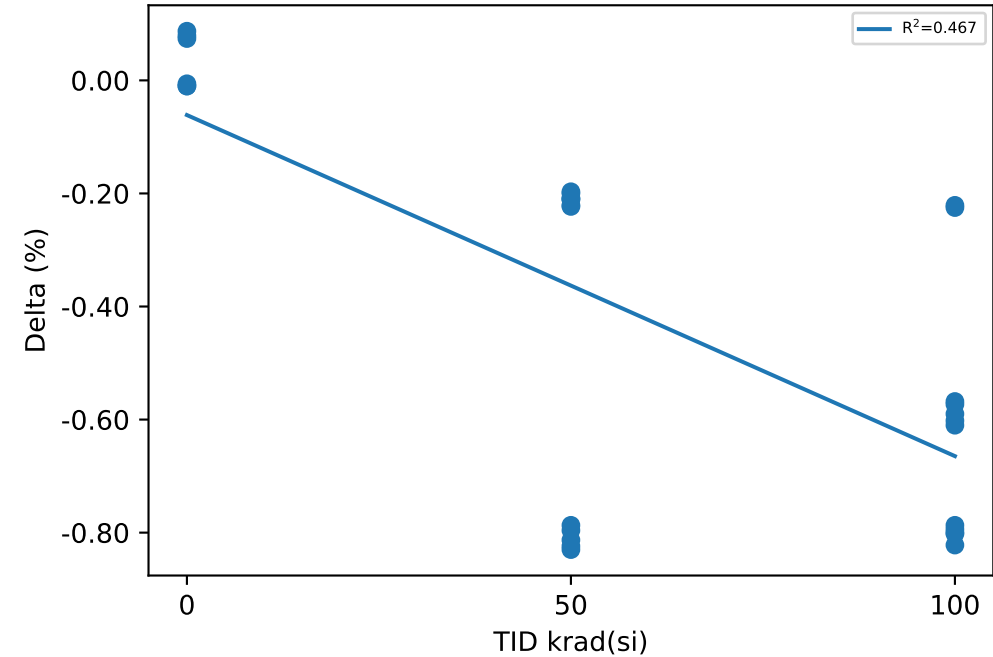
TID vs Result Stats



Test Results (Upper Limit = 23.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 9.745      | 9.735       | -0.01  |
| 201      | 0        | Correlation         | 9.652      | 9.646       | -0.006 |
| 202      | 0        | Correlation         | 9.7        | 9.69        | -0.01  |
| 203      | 50       | Biased              | 9.743      | 9.52        | -0.223 |
| 204      | 50       | Biased              | 9.623      | 9.402       | -0.221 |
| 205      | 50       | Biased              | 9.89       | 9.693       | -0.197 |
| 206      | 50       | Biased              | 9.762      | 9.553       | -0.209 |
| 207      | 50       | Biased              | 9.849      | 9.649       | -0.2   |
| 208      | 50       | Biased              | 9.762      | 9.551       | -0.211 |
| 209      | 50       | Unbiased            | 9.636      | 8.849       | -0.787 |
| 210      | 50       | Unbiased            | 9.688      | 8.892       | -0.796 |
| 211      | 50       | Unbiased            | 9.767      | 9.558       | -0.209 |
| 212      | 50       | Unbiased            | 9.651      | 8.838       | -0.813 |
| 213      | 50       | Unbiased            | 9.811      | 8.981       | -0.83  |
| 214      | 50       | Unbiased            | 9.704      | 8.88        | -0.824 |
| 1200     | 0        | Correlation         | 9.745      | 9.832       | 0.087  |
| 1201     | 0        | Correlation         | 9.652      | 9.731       | 0.079  |
| 1202     | 0        | Correlation         | 9.7        | 9.774       | 0.074  |
| 1203     | 100      | Biased              | 9.743      | 8.921       | -0.822 |
| 1204     | 100      | Biased              | 9.623      | 8.821       | -0.802 |
| 1205     | 100      | Biased              | 9.89       | 9.09        | -0.8   |
| 1206     | 100      | Biased              | 9.762      | 9.537       | -0.225 |
| 1207     | 100      | Biased              | 9.849      | 9.055       | -0.794 |
| 1208     | 100      | Biased              | 9.762      | 8.975       | -0.787 |
| 1209     | 100      | Unbiased            | 9.636      | 9.068       | -0.568 |
| 1210     | 100      | Unbiased            | 9.688      | 9.115       | -0.573 |
| 1211     | 100      | Unbiased            | 9.767      | 9.546       | -0.221 |
| 1212     | 100      | Unbiased            | 9.651      | 9.061       | -0.59  |
| 1213     | 100      | Unbiased            | 9.811      | 9.201       | -0.61  |
| 1214     | 100      | Unbiased            | 9.704      | 9.102       | -0.602 |

TID vs Post - Pre Exposure Delta

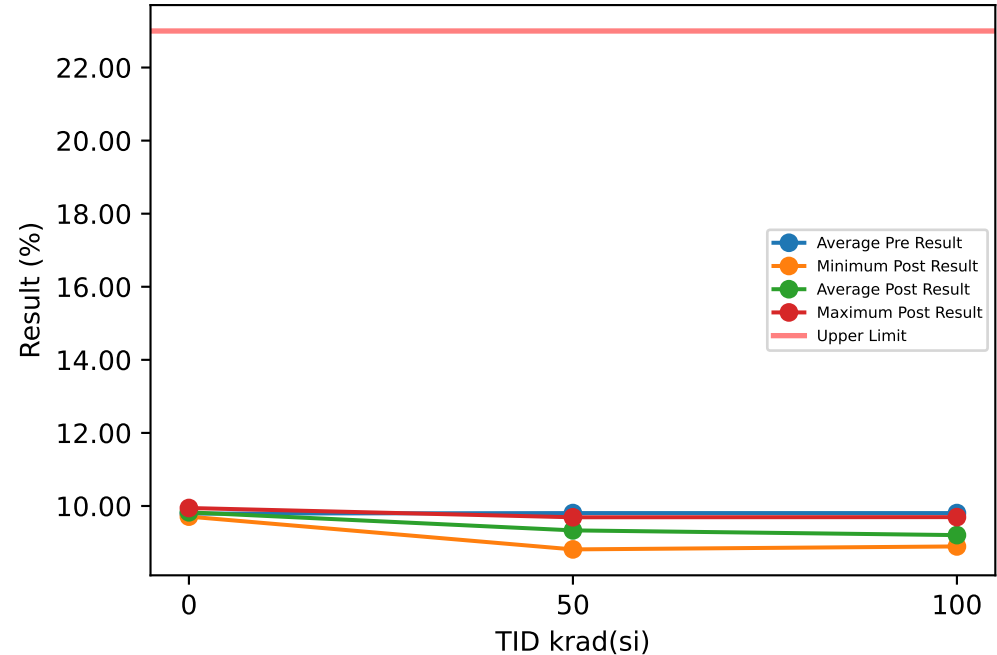


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 9.652            | 9.699            | 9.745            | 0.041598         | 9.646             | 9.7347            | 9.832             | 0.06464           | -0.01     | 0.035667  | 0.087     | 0.048763  |
| 50       | 9.623            | 9.7405           | 9.89             | 0.083965         | 8.838             | 9.2805            | 9.693             | 0.35491           | -0.83     | -0.46     | -0.197    | 0.30924   |
| 100      | 9.623            | 9.7405           | 9.89             | 0.083965         | 8.821             | 9.1243            | 9.546             | 0.21813           | -0.822    | -0.61617  | -0.221    | 0.21015   |

Device Test: 6.124; VOL\_PWRGD\_10MA

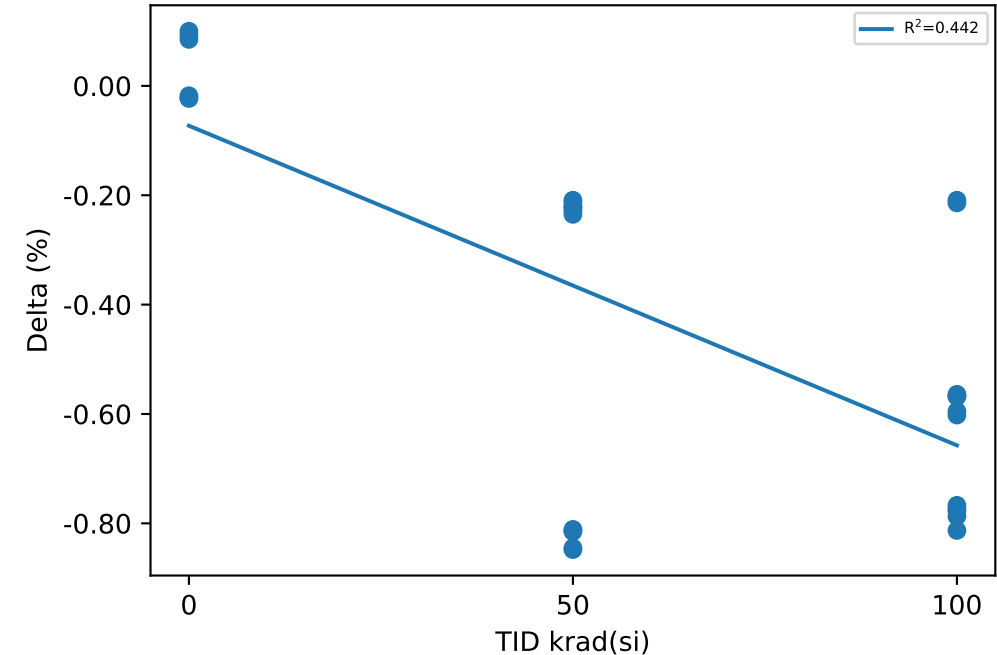
TID vs Result Stats



Test Results (Upper Limit = 23.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 9.845      | 9.823       | -0.022 |
| 201      | 0        | Correlation         | 9.727      | 9.709       | -0.018 |
| 202      | 0        | Correlation         | 9.802      | 9.779       | -0.023 |
| 203      | 50       | Biased              | 9.8        | 9.565       | -0.235 |
| 204      | 50       | Biased              | 9.667      | 9.438       | -0.229 |
| 205      | 50       | Biased              | 9.885      | 9.676       | -0.209 |
| 206      | 50       | Biased              | 9.873      | 9.65        | -0.223 |
| 207      | 50       | Biased              | 9.904      | 9.691       | -0.213 |
| 208      | 50       | Biased              | 9.777      | 9.557       | -0.22  |
| 209      | 50       | Unbiased            | 9.79       | 8.977       | -0.813 |
| 210      | 50       | Unbiased            | 9.789      | 8.974       | -0.815 |
| 211      | 50       | Unbiased            | 9.904      | 9.681       | -0.223 |
| 212      | 50       | Unbiased            | 9.623      | 8.812       | -0.811 |
| 213      | 50       | Unbiased            | 9.884      | 9.036       | -0.848 |
| 214      | 50       | Unbiased            | 9.777      | 8.932       | -0.845 |
| 1200     | 0        | Correlation         | 9.845      | 9.945       | 0.1    |
| 1201     | 0        | Correlation         | 9.727      | 9.819       | 0.092  |
| 1202     | 0        | Correlation         | 9.802      | 9.887       | 0.085  |
| 1203     | 100      | Biased              | 9.8        | 8.987       | -0.813 |
| 1204     | 100      | Biased              | 9.667      | 8.893       | -0.774 |
| 1205     | 100      | Biased              | 9.885      | 9.108       | -0.777 |
| 1206     | 100      | Biased              | 9.873      | 9.659       | -0.214 |
| 1207     | 100      | Biased              | 9.904      | 9.117       | -0.787 |
| 1208     | 100      | Biased              | 9.777      | 9.01        | -0.767 |
| 1209     | 100      | Unbiased            | 9.79       | 9.226       | -0.564 |
| 1210     | 100      | Unbiased            | 9.789      | 9.222       | -0.567 |
| 1211     | 100      | Unbiased            | 9.904      | 9.695       | -0.209 |
| 1212     | 100      | Unbiased            | 9.623      | 9.055       | -0.568 |
| 1213     | 100      | Unbiased            | 9.884      | 9.282       | -0.602 |
| 1214     | 100      | Unbiased            | 9.777      | 9.182       | -0.595 |

TID vs Post - Pre Exposure Delta

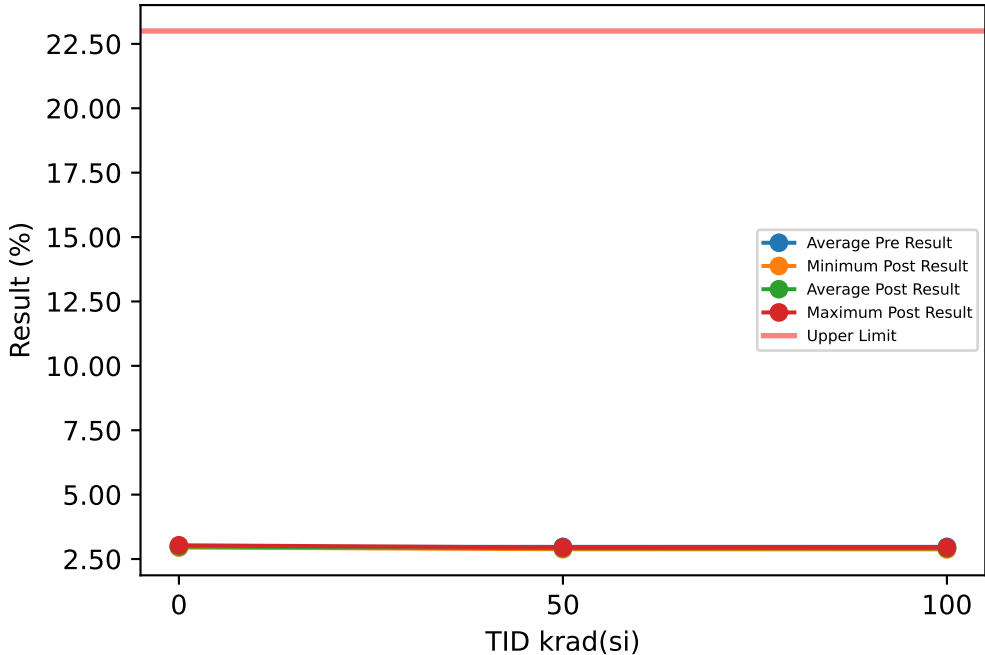


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 9.727            | 9.7913           | 9.845            | 0.053414         | 9.709             | 9.827             | 9.945             | 0.082258          | -0.023    | 0.035667  | 0.1       | 0.062279  |
| 50       | 9.623            | 9.8061           | 9.904            | 0.091002         | 8.812             | 9.3324            | 9.691             | 0.35143           | -0.848    | -0.47367  | -0.209    | 0.31164   |
| 100      | 9.623            | 9.8061           | 9.904            | 0.091002         | 8.893             | 9.203             | 9.695             | 0.24788           | -0.813    | -0.60308  | -0.209    | 0.20781   |

Device Test: 6.125; VOL\_RESET\_10MA

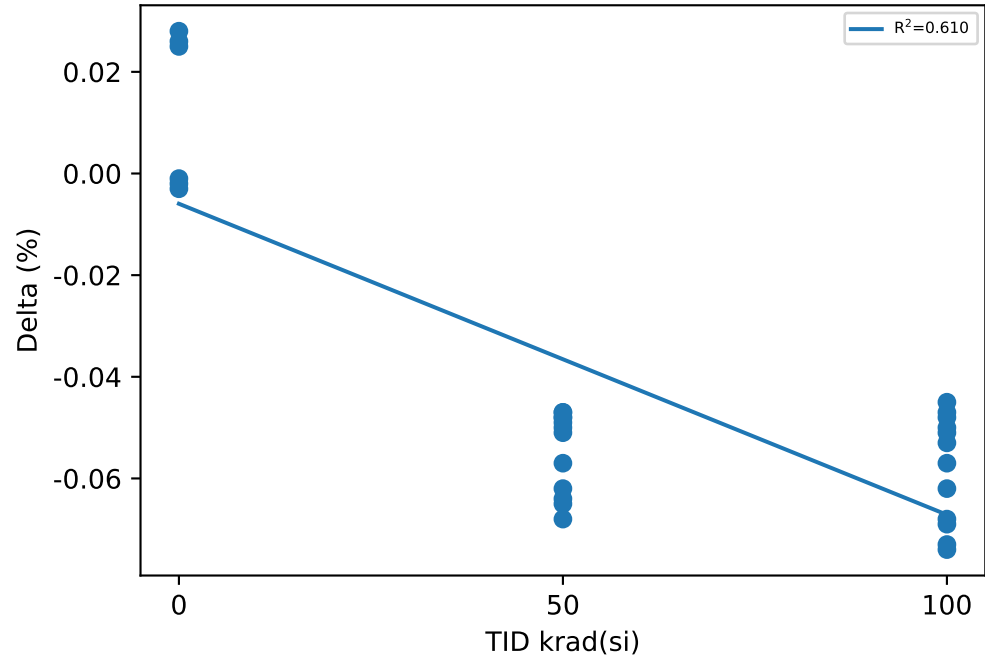
TID vs Result Stats



Test Results (Upper Limit = 23.0 (%))

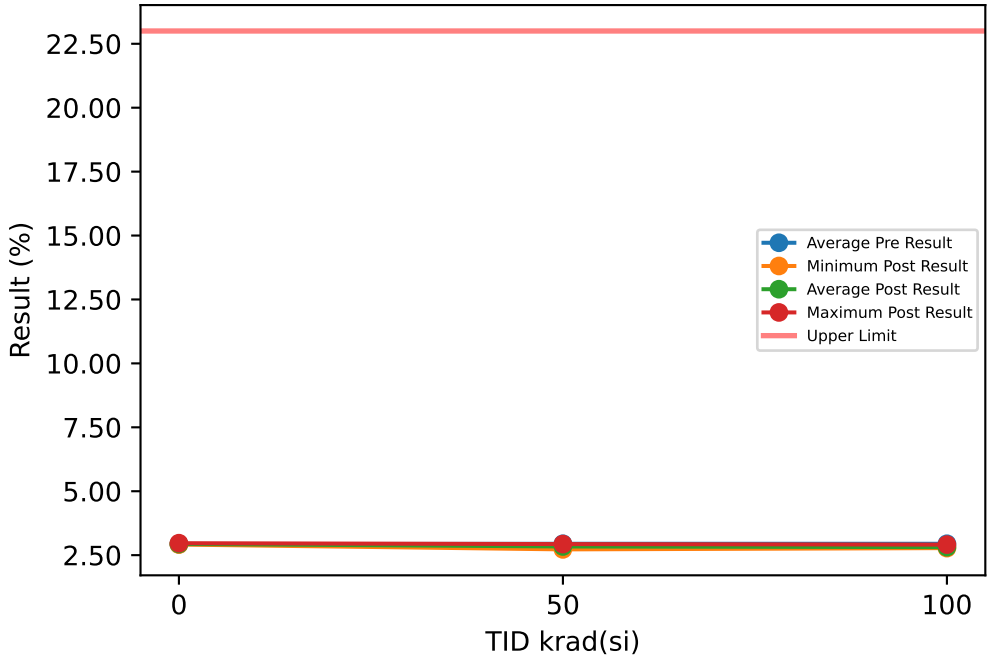
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 2.96       | 2.958       | -0.002 |
| 201      | 0        | Correlation         | 2.946      | 2.945       | -0.001 |
| 202      | 0        | Correlation         | 3.009      | 3.006       | -0.003 |
| 203      | 50       | Biased              | 2.985      | 2.934       | -0.051 |
| 204      | 50       | Biased              | 2.969      | 2.919       | -0.05  |
| 205      | 50       | Biased              | 2.977      | 2.93        | -0.047 |
| 206      | 50       | Biased              | 2.968      | 2.919       | -0.049 |
| 207      | 50       | Biased              | 2.994      | 2.947       | -0.047 |
| 208      | 50       | Biased              | 2.982      | 2.934       | -0.048 |
| 209      | 50       | Unbiased            | 2.961      | 2.899       | -0.062 |
| 210      | 50       | Unbiased            | 2.942      | 2.885       | -0.057 |
| 211      | 50       | Unbiased            | 2.983      | 2.935       | -0.048 |
| 212      | 50       | Unbiased            | 2.943      | 2.879       | -0.064 |
| 213      | 50       | Unbiased            | 2.975      | 2.91        | -0.065 |
| 214      | 50       | Unbiased            | 2.994      | 2.926       | -0.068 |
| 1200     | 0        | Correlation         | 2.96       | 2.988       | 0.028  |
| 1201     | 0        | Correlation         | 2.946      | 2.972       | 0.026  |
| 1202     | 0        | Correlation         | 3.009      | 3.034       | 0.025  |
| 1203     | 100      | Biased              | 2.985      | 2.928       | -0.057 |
| 1204     | 100      | Biased              | 2.969      | 2.916       | -0.053 |
| 1205     | 100      | Biased              | 2.977      | 2.926       | -0.051 |
| 1206     | 100      | Biased              | 2.968      | 2.921       | -0.047 |
| 1207     | 100      | Biased              | 2.994      | 2.946       | -0.048 |
| 1208     | 100      | Biased              | 2.982      | 2.932       | -0.05  |
| 1209     | 100      | Unbiased            | 2.961      | 2.893       | -0.068 |
| 1210     | 100      | Unbiased            | 2.942      | 2.88        | -0.062 |
| 1211     | 100      | Unbiased            | 2.983      | 2.938       | -0.045 |
| 1212     | 100      | Unbiased            | 2.943      | 2.874       | -0.069 |
| 1213     | 100      | Unbiased            | 2.975      | 2.902       | -0.073 |
| 1214     | 100      | Unbiased            | 2.994      | 2.92        | -0.074 |

TID vs Post - Pre Exposure Delta



Device Test: 6.126; VOL\_RESET\_10MA

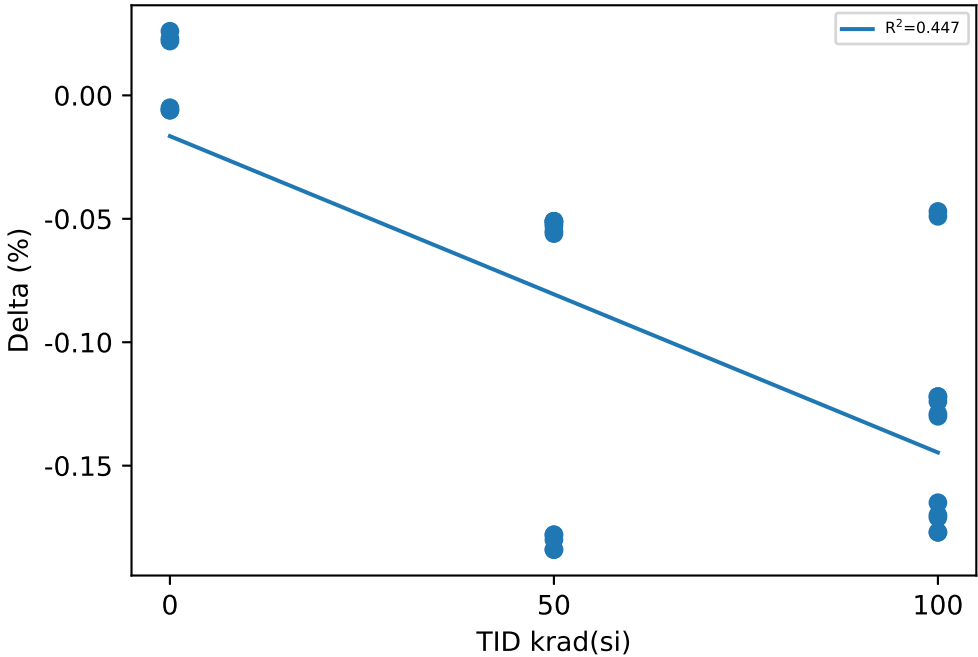
TID vs Result Stats



Test Results (Upper Limit = 23.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 2.942      | 2.936       | -0.006 |
| 201      | 0        | Correlation         | 2.919      | 2.914       | -0.005 |
| 202      | 0        | Correlation         | 2.927      | 2.921       | -0.006 |
| 203      | 50       | Biased              | 2.969      | 2.914       | -0.055 |
| 204      | 50       | Biased              | 2.952      | 2.896       | -0.056 |
| 205      | 50       | Biased              | 2.984      | 2.933       | -0.051 |
| 206      | 50       | Biased              | 2.922      | 2.869       | -0.053 |
| 207      | 50       | Biased              | 2.978      | 2.927       | -0.051 |
| 208      | 50       | Biased              | 2.94       | 2.889       | -0.051 |
| 209      | 50       | Unbiased            | 2.913      | 2.735       | -0.178 |
| 210      | 50       | Unbiased            | 2.942      | 2.764       | -0.178 |
| 211      | 50       | Unbiased            | 2.959      | 2.907       | -0.052 |
| 212      | 50       | Unbiased            | 2.905      | 2.725       | -0.18  |
| 213      | 50       | Unbiased            | 2.951      | 2.767       | -0.184 |
| 214      | 50       | Unbiased            | 2.931      | 2.747       | -0.184 |
| 1200     | 0        | Correlation         | 2.942      | 2.968       | 0.026  |
| 1201     | 0        | Correlation         | 2.919      | 2.942       | 0.023  |
| 1202     | 0        | Correlation         | 2.927      | 2.949       | 0.022  |
| 1203     | 100      | Biased              | 2.969      | 2.792       | -0.177 |
| 1204     | 100      | Biased              | 2.952      | 2.775       | -0.177 |
| 1205     | 100      | Biased              | 2.984      | 2.814       | -0.17  |
| 1206     | 100      | Biased              | 2.922      | 2.873       | -0.049 |
| 1207     | 100      | Biased              | 2.978      | 2.807       | -0.171 |
| 1208     | 100      | Biased              | 2.94       | 2.775       | -0.165 |
| 1209     | 100      | Unbiased            | 2.913      | 2.791       | -0.122 |
| 1210     | 100      | Unbiased            | 2.942      | 2.82        | -0.122 |
| 1211     | 100      | Unbiased            | 2.959      | 2.912       | -0.047 |
| 1212     | 100      | Unbiased            | 2.905      | 2.781       | -0.124 |
| 1213     | 100      | Unbiased            | 2.951      | 2.821       | -0.13  |
| 1214     | 100      | Unbiased            | 2.931      | 2.802       | -0.129 |

TID vs Post - Pre Exposure Delta

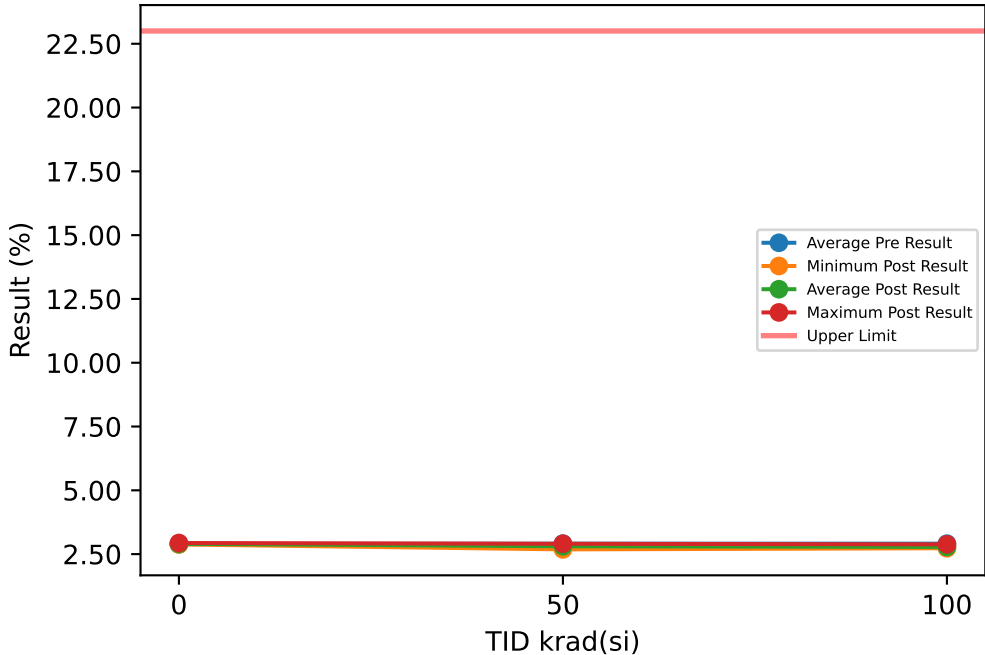


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 2.919            | 2.9293           | 2.942            | 0.010443         | 2.914             | 2.9383            | 2.968             | 0.019521          | -0.006    | 0.009     | 0.026     | 0.016125  |
| 50       | 2.905            | 2.9455           | 2.984            | 0.024949         | 2.725             | 2.8394            | 2.933             | 0.083427          | -0.184    | -0.10608  | -0.051    | 0.065998  |
| 100      | 2.905            | 2.9455           | 2.984            | 0.024949         | 2.775             | 2.8136            | 2.912             | 0.041015          | -0.177    | -0.13192  | -0.047    | 0.045222  |

Device Test: 6.127; VOL\_RESET\_10MA

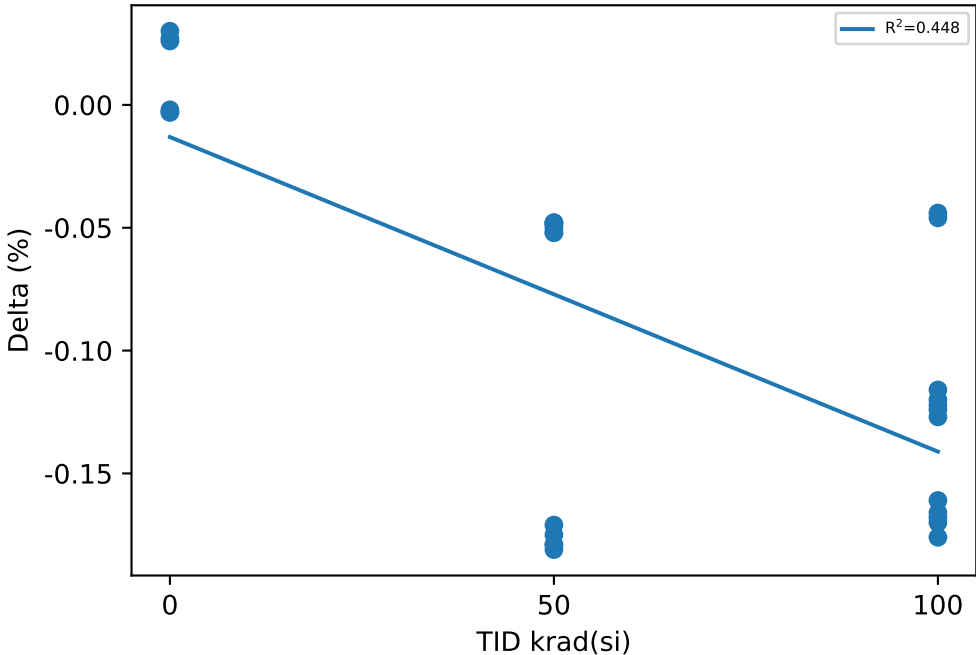
TID vs Result Stats



Test Results (Upper Limit = 23.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 2.906      | 2.904       | -0.002 |
| 201      | 0        | Correlation         | 2.882      | 2.879       | -0.003 |
| 202      | 0        | Correlation         | 2.884      | 2.881       | -0.003 |
| 203      | 50       | Biased              | 2.947      | 2.895       | -0.052 |
| 204      | 50       | Biased              | 2.9        | 2.848       | -0.052 |
| 205      | 50       | Biased              | 2.954      | 2.906       | -0.048 |
| 206      | 50       | Biased              | 2.889      | 2.84        | -0.049 |
| 207      | 50       | Biased              | 2.945      | 2.897       | -0.048 |
| 208      | 50       | Biased              | 2.9        | 2.852       | -0.048 |
| 209      | 50       | Unbiased            | 2.893      | 2.714       | -0.179 |
| 210      | 50       | Unbiased            | 2.895      | 2.724       | -0.171 |
| 211      | 50       | Unbiased            | 2.926      | 2.876       | -0.05  |
| 212      | 50       | Unbiased            | 2.86       | 2.685       | -0.175 |
| 213      | 50       | Unbiased            | 2.922      | 2.741       | -0.181 |
| 214      | 50       | Unbiased            | 2.887      | 2.708       | -0.179 |
| 1200     | 0        | Correlation         | 2.906      | 2.936       | 0.03   |
| 1201     | 0        | Correlation         | 2.882      | 2.909       | 0.027  |
| 1202     | 0        | Correlation         | 2.884      | 2.91        | 0.026  |
| 1203     | 100      | Biased              | 2.947      | 2.771       | -0.176 |
| 1204     | 100      | Biased              | 2.9        | 2.73        | -0.17  |
| 1205     | 100      | Biased              | 2.954      | 2.788       | -0.166 |
| 1206     | 100      | Biased              | 2.889      | 2.843       | -0.046 |
| 1207     | 100      | Biased              | 2.945      | 2.777       | -0.168 |
| 1208     | 100      | Biased              | 2.9        | 2.739       | -0.161 |
| 1209     | 100      | Unbiased            | 2.893      | 2.771       | -0.122 |
| 1210     | 100      | Unbiased            | 2.895      | 2.779       | -0.116 |
| 1211     | 100      | Unbiased            | 2.926      | 2.882       | -0.044 |
| 1212     | 100      | Unbiased            | 2.86       | 2.74        | -0.12  |
| 1213     | 100      | Unbiased            | 2.922      | 2.795       | -0.127 |
| 1214     | 100      | Unbiased            | 2.887      | 2.763       | -0.124 |

TID vs Post - Pre Exposure Delta



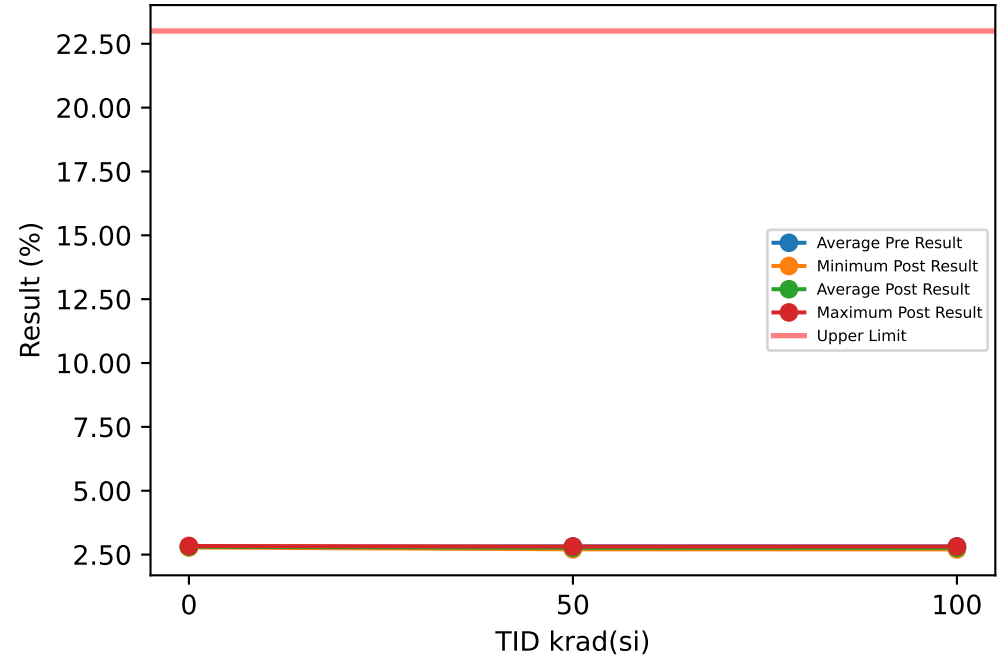
Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 2.882            | 2.8907           | 2.906            | 0.011911         | 2.879             | 2.9032            | 2.936             | 0.021142          | -0.003    | 0.0125    | 0.03      | 0.01667   |
| 50       | 2.86             | 2.9098           | 2.954            | 0.028784         | 2.685             | 2.8072            | 2.906             | 0.085163          | -0.181    | -0.10267  | -0.048    | 0.065675  |
| 100      | 2.86             | 2.9098           | 2.954            | 0.028784         | 2.73              | 2.7815            | 2.882             | 0.043565          | -0.176    | -0.12833  | -0.044    | 0.044965  |



Device Test: 6.128; VOL\_RESET\_10MA

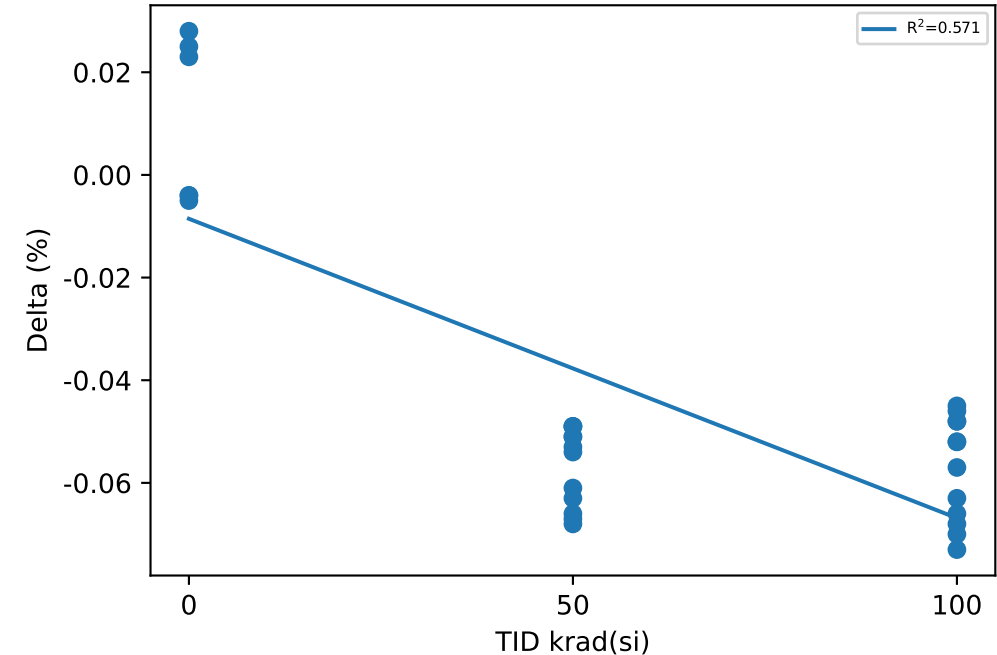
TID vs Result Stats



Test Results (Upper Limit = 23.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 2.809      | 2.805       | -0.004 |
| 201      | 0        | Correlation         | 2.783      | 2.779       | -0.004 |
| 202      | 0        | Correlation         | 2.795      | 2.79        | -0.005 |
| 203      | 50       | Biased              | 2.862      | 2.808       | -0.054 |
| 204      | 50       | Biased              | 2.799      | 2.746       | -0.053 |
| 205      | 50       | Biased              | 2.857      | 2.808       | -0.049 |
| 206      | 50       | Biased              | 2.802      | 2.751       | -0.051 |
| 207      | 50       | Biased              | 2.865      | 2.816       | -0.049 |
| 208      | 50       | Biased              | 2.799      | 2.75        | -0.049 |
| 209      | 50       | Unbiased            | 2.799      | 2.736       | -0.063 |
| 210      | 50       | Unbiased            | 2.805      | 2.744       | -0.061 |
| 211      | 50       | Unbiased            | 2.832      | 2.781       | -0.051 |
| 212      | 50       | Unbiased            | 2.771      | 2.705       | -0.066 |
| 213      | 50       | Unbiased            | 2.84       | 2.772       | -0.068 |
| 214      | 50       | Unbiased            | 2.797      | 2.73        | -0.067 |
| 1200     | 0        | Correlation         | 2.809      | 2.837       | 0.028  |
| 1201     | 0        | Correlation         | 2.783      | 2.808       | 0.025  |
| 1202     | 0        | Correlation         | 2.795      | 2.818       | 0.023  |
| 1203     | 100      | Biased              | 2.862      | 2.805       | -0.057 |
| 1204     | 100      | Biased              | 2.799      | 2.747       | -0.052 |
| 1205     | 100      | Biased              | 2.857      | 2.805       | -0.052 |
| 1206     | 100      | Biased              | 2.802      | 2.756       | -0.046 |
| 1207     | 100      | Biased              | 2.865      | 2.817       | -0.048 |
| 1208     | 100      | Biased              | 2.799      | 2.751       | -0.048 |
| 1209     | 100      | Unbiased            | 2.799      | 2.733       | -0.066 |
| 1210     | 100      | Unbiased            | 2.805      | 2.742       | -0.063 |
| 1211     | 100      | Unbiased            | 2.832      | 2.787       | -0.045 |
| 1212     | 100      | Unbiased            | 2.771      | 2.703       | -0.068 |
| 1213     | 100      | Unbiased            | 2.84       | 2.767       | -0.073 |
| 1214     | 100      | Unbiased            | 2.797      | 2.727       | -0.07  |

TID vs Post - Pre Exposure Delta

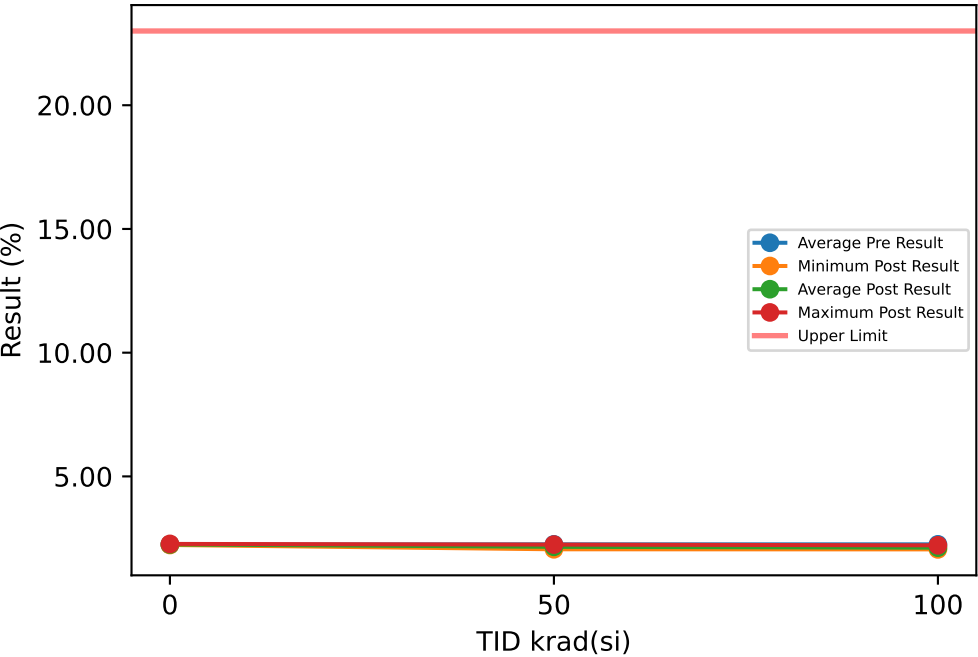


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 2.783            | 2.7957           | 2.809            | 0.011639         | 2.779             | 2.8062            | 2.837             | 0.020469          | -0.005    | 0.0105    | 0.028     | 0.016331  |
| 50       | 2.771            | 2.819            | 2.865            | 0.030884         | 2.705             | 2.7622            | 2.816             | 0.034905          | -0.068    | -0.05675  | -0.049    | 0.0076411 |
| 100      | 2.771            | 2.819            | 2.865            | 0.030884         | 2.703             | 2.7617            | 2.817             | 0.035292          | -0.073    | -0.057333 | -0.045    | 0.010174  |

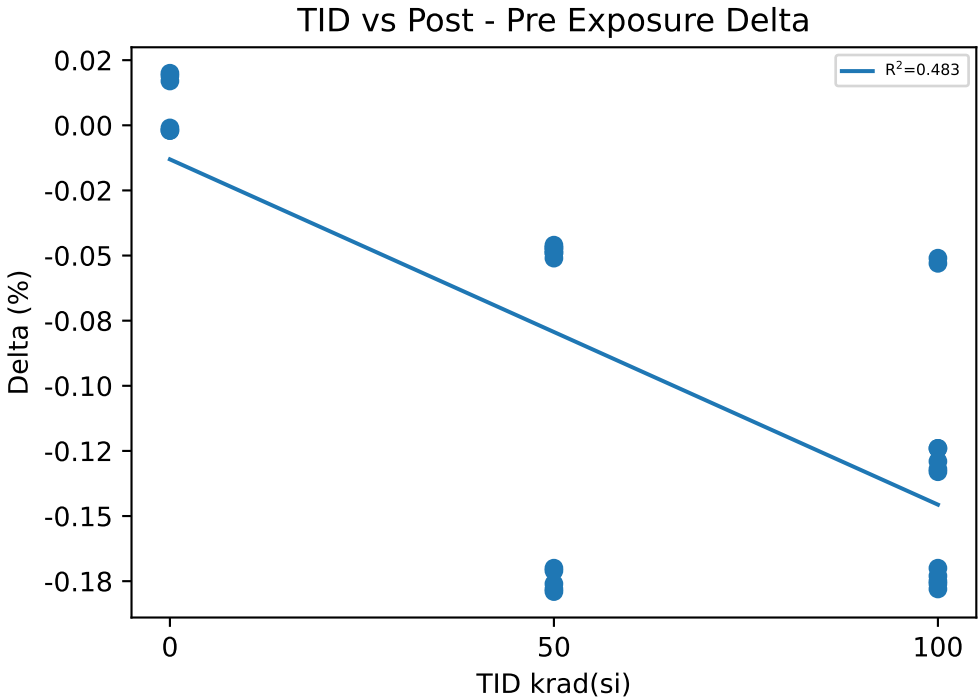
Device Test: 6.129; VOL\_WDO\_10MA

TID vs Result Stats



Test Results (Upper Limit = 23.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 2.252      | 2.25        | -0.002 |
| 201      | 0        | Correlation         | 2.229      | 2.228       | -0.001 |
| 202      | 0        | Correlation         | 2.243      | 2.241       | -0.002 |
| 203      | 50       | Biased              | 2.25       | 2.201       | -0.049 |
| 204      | 50       | Biased              | 2.225      | 2.174       | -0.051 |
| 205      | 50       | Biased              | 2.291      | 2.244       | -0.047 |
| 206      | 50       | Biased              | 2.265      | 2.216       | -0.049 |
| 207      | 50       | Biased              | 2.279      | 2.233       | -0.046 |
| 208      | 50       | Biased              | 2.258      | 2.211       | -0.047 |
| 209      | 50       | Unbiased            | 2.227      | 2.057       | -0.17  |
| 210      | 50       | Unbiased            | 2.242      | 2.071       | -0.171 |
| 211      | 50       | Unbiased            | 2.266      | 2.218       | -0.048 |
| 212      | 50       | Unbiased            | 2.23       | 2.054       | -0.176 |
| 213      | 50       | Unbiased            | 2.275      | 2.096       | -0.179 |
| 214      | 50       | Unbiased            | 2.246      | 2.068       | -0.178 |
| 1200     | 0        | Correlation         | 2.252      | 2.272       | 0.02   |
| 1201     | 0        | Correlation         | 2.229      | 2.248       | 0.019  |
| 1202     | 0        | Correlation         | 2.243      | 2.26        | 0.017  |
| 1203     | 100      | Biased              | 2.25       | 2.072       | -0.178 |
| 1204     | 100      | Biased              | 2.225      | 2.05        | -0.175 |
| 1205     | 100      | Biased              | 2.291      | 2.115       | -0.176 |
| 1206     | 100      | Biased              | 2.265      | 2.212       | -0.053 |
| 1207     | 100      | Biased              | 2.279      | 2.106       | -0.173 |
| 1208     | 100      | Biased              | 2.258      | 2.088       | -0.17  |
| 1209     | 100      | Unbiased            | 2.227      | 2.103       | -0.124 |
| 1210     | 100      | Unbiased            | 2.242      | 2.118       | -0.124 |
| 1211     | 100      | Unbiased            | 2.266      | 2.215       | -0.051 |
| 1212     | 100      | Unbiased            | 2.23       | 2.101       | -0.129 |
| 1213     | 100      | Unbiased            | 2.275      | 2.142       | -0.133 |
| 1214     | 100      | Unbiased            | 2.246      | 2.114       | -0.132 |

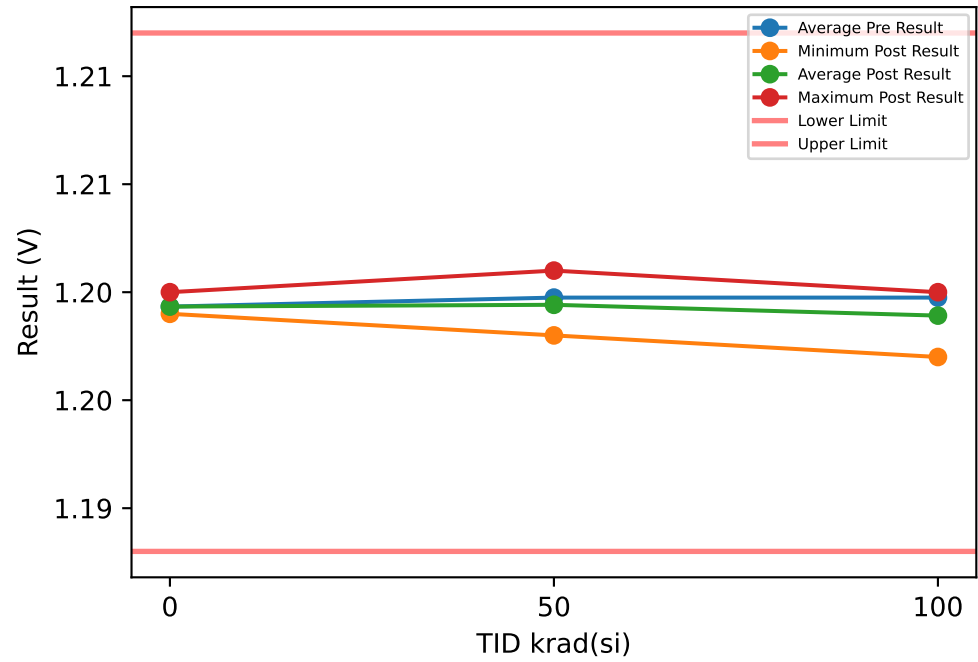


Test Statistics (%)

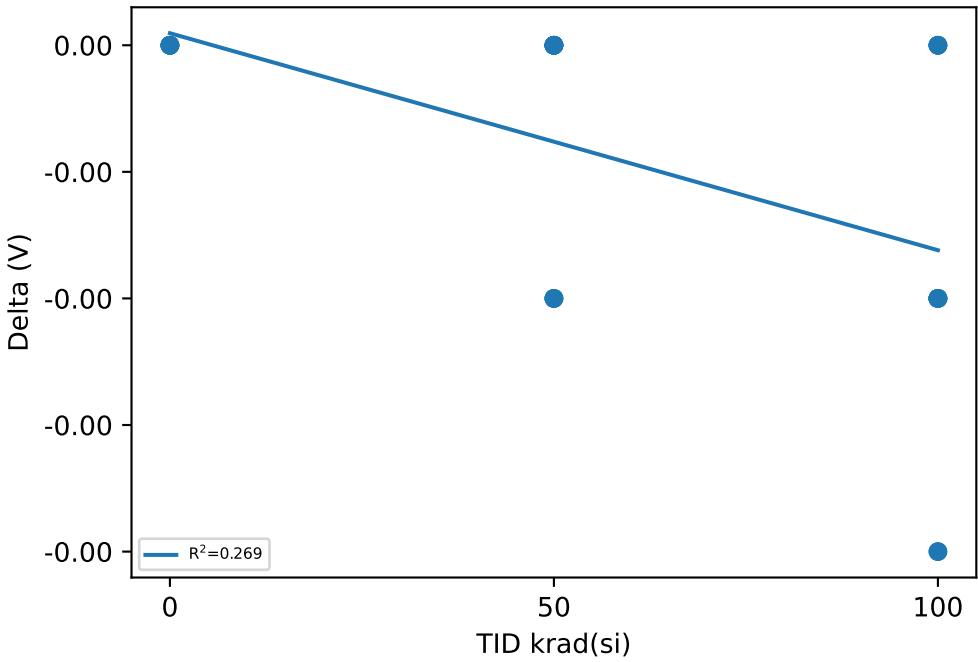
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 2.229            | 2.2413           | 2.252            | 0.010367         | 2.228             | 2.2498            | 2.272             | 0.015184          | -0.002    | 0.0085    | 0.02      | 0.011185  |
| 50       | 2.225            | 2.2545           | 2.291            | 0.021496         | 2.054             | 2.1536            | 2.244             | 0.076986          | -0.179    | -0.10092  | -0.046    | 0.065278  |
| 100      | 2.225            | 2.2545           | 2.291            | 0.021496         | 2.05              | 2.1197            | 2.215             | 0.049645          | -0.178    | -0.13483  | -0.051    | 0.044589  |

Device Test: 6.13 ; REFCAP

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 1.188, Upper Limit = 1.212 (V))

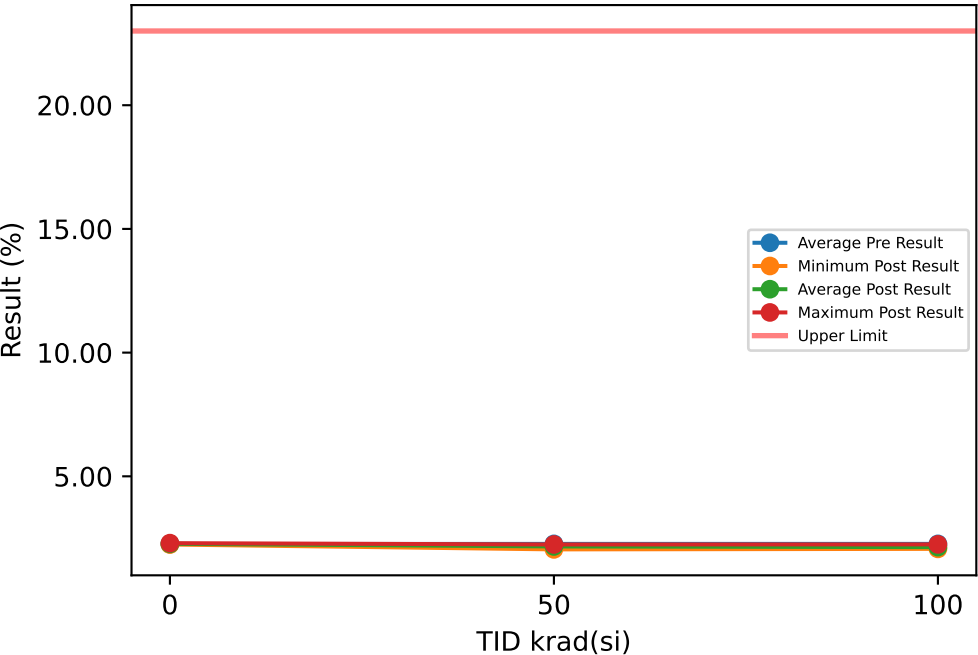
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 1.199      | 1.199       | 0      |
| 201      | 0        | Correlation         | 1.2        | 1.2         | 0      |
| 202      | 0        | Correlation         | 1.199      | 1.199       | 0      |
| 203      | 50       | Biased              | 1.2        | 1.2         | 0      |
| 204      | 50       | Biased              | 1.2        | 1.199       | -0.001 |
| 205      | 50       | Biased              | 1.2        | 1.199       | -0.001 |
| 206      | 50       | Biased              | 1.2        | 1.2         | 0      |
| 207      | 50       | Biased              | 1.199      | 1.198       | -0.001 |
| 208      | 50       | Biased              | 1.201      | 1.201       | 0      |
| 209      | 50       | Unbiased            | 1.199      | 1.199       | 0      |
| 210      | 50       | Unbiased            | 1.2        | 1.199       | -0.001 |
| 211      | 50       | Unbiased            | 1.199      | 1.199       | 0      |
| 212      | 50       | Unbiased            | 1.2        | 1.2         | 0      |
| 213      | 50       | Unbiased            | 1.2        | 1.2         | 0      |
| 214      | 50       | Unbiased            | 1.199      | 1.199       | 0      |
| 1200     | 0        | Correlation         | 1.199      | 1.199       | 0      |
| 1201     | 0        | Correlation         | 1.2        | 1.2         | 0      |
| 1202     | 0        | Correlation         | 1.199      | 1.199       | 0      |
| 1203     | 100      | Biased              | 1.2        | 1.2         | 0      |
| 1204     | 100      | Biased              | 1.2        | 1.198       | -0.002 |
| 1205     | 100      | Biased              | 1.2        | 1.199       | -0.001 |
| 1206     | 100      | Biased              | 1.2        | 1.2         | 0      |
| 1207     | 100      | Biased              | 1.199      | 1.197       | -0.002 |
| 1208     | 100      | Biased              | 1.201      | 1.2         | -0.001 |
| 1209     | 100      | Unbiased            | 1.199      | 1.198       | -0.001 |
| 1210     | 100      | Unbiased            | 1.2        | 1.199       | -0.001 |
| 1211     | 100      | Unbiased            | 1.199      | 1.199       | 0      |
| 1212     | 100      | Unbiased            | 1.2        | 1.2         | 0      |
| 1213     | 100      | Unbiased            | 1.2        | 1.199       | -0.001 |
| 1214     | 100      | Unbiased            | 1.199      | 1.198       | -0.001 |

Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|------------|
| 0        | 1.199            | 1.1993           | 1.2              | 0.0005164        | 1.199             | 1.1993            | 1.2               | 0.0005164         | 0         | 0           | 0         | 0          |
| 50       | 1.199            | 1.1998           | 1.201            | 0.00062158       | 1.198             | 1.1994            | 1.201             | 0.00079296        | -0.001    | -0.00033333 | 0         | 0.00049237 |
| 100      | 1.199            | 1.1998           | 1.201            | 0.00062158       | 1.197             | 1.1989            | 1.2               | 0.0009962         | -0.002    | -0.00083333 | 0         | 0.00071774 |

Device Test: 6.130; VOL\_PWRGD\_10MA

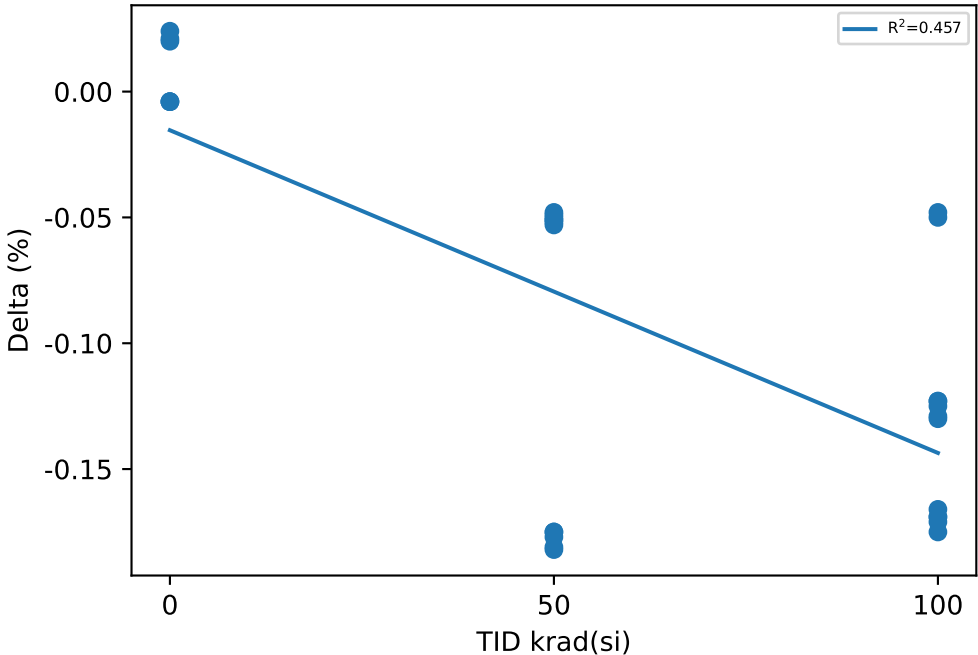
TID vs Result Stats



Test Results (Upper Limit = 23.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 2.275      | 2.271       | -0.004 |
| 201      | 0        | Correlation         | 2.247      | 2.243       | -0.004 |
| 202      | 0        | Correlation         | 2.266      | 2.262       | -0.004 |
| 203      | 50       | Biased              | 2.261      | 2.21        | -0.051 |
| 204      | 50       | Biased              | 2.236      | 2.183       | -0.053 |
| 205      | 50       | Biased              | 2.288      | 2.24        | -0.048 |
| 206      | 50       | Biased              | 2.289      | 2.237       | -0.052 |
| 207      | 50       | Biased              | 2.29       | 2.241       | -0.049 |
| 208      | 50       | Biased              | 2.262      | 2.212       | -0.05  |
| 209      | 50       | Unbiased            | 2.264      | 2.089       | -0.175 |
| 210      | 50       | Unbiased            | 2.265      | 2.09        | -0.175 |
| 211      | 50       | Unbiased            | 2.296      | 2.245       | -0.051 |
| 212      | 50       | Unbiased            | 2.223      | 2.046       | -0.177 |
| 213      | 50       | Unbiased            | 2.291      | 2.109       | -0.182 |
| 214      | 50       | Unbiased            | 2.262      | 2.081       | -0.181 |
| 1200     | 0        | Correlation         | 2.275      | 2.299       | 0.024  |
| 1201     | 0        | Correlation         | 2.247      | 2.268       | 0.021  |
| 1202     | 0        | Correlation         | 2.266      | 2.286       | 0.02   |
| 1203     | 100      | Biased              | 2.261      | 2.086       | -0.175 |
| 1204     | 100      | Biased              | 2.236      | 2.067       | -0.169 |
| 1205     | 100      | Biased              | 2.288      | 2.119       | -0.169 |
| 1206     | 100      | Biased              | 2.289      | 2.239       | -0.05  |
| 1207     | 100      | Biased              | 2.29       | 2.119       | -0.171 |
| 1208     | 100      | Biased              | 2.262      | 2.096       | -0.166 |
| 1209     | 100      | Unbiased            | 2.264      | 2.141       | -0.123 |
| 1210     | 100      | Unbiased            | 2.265      | 2.142       | -0.123 |
| 1211     | 100      | Unbiased            | 2.296      | 2.248       | -0.048 |
| 1212     | 100      | Unbiased            | 2.223      | 2.098       | -0.125 |
| 1213     | 100      | Unbiased            | 2.291      | 2.161       | -0.13  |
| 1214     | 100      | Unbiased            | 2.262      | 2.133       | -0.129 |

TID vs Post - Pre Exposure Delta

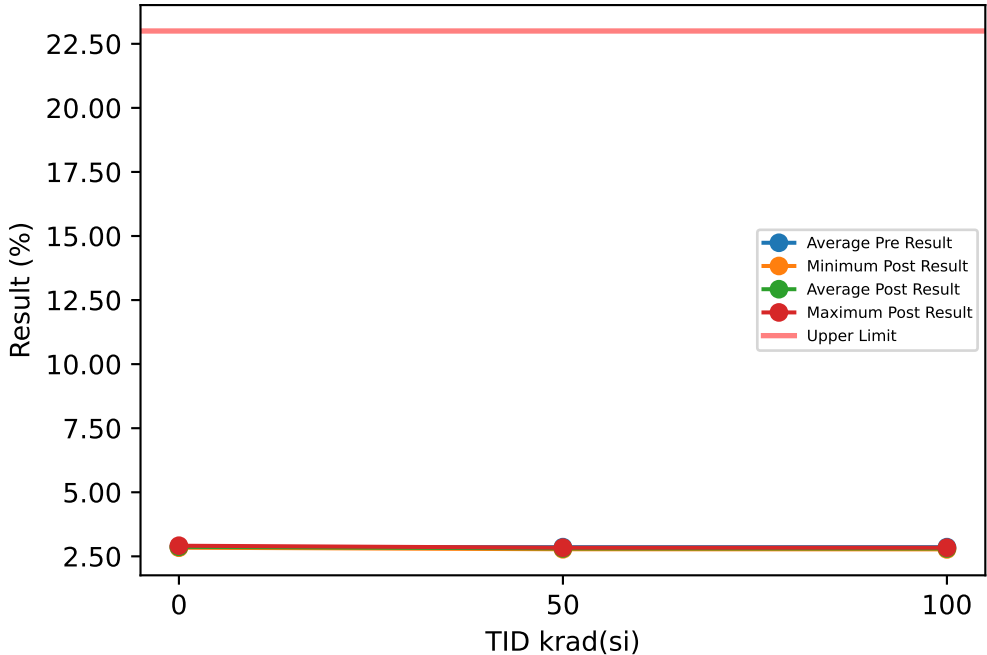


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 2.247            | 2.2627           | 2.275            | 0.012785         | 2.243             | 2.2715            | 2.299             | 0.019398          | -0.004    | 0.0088333 | 0.024     | 0.01412   |
| 50       | 2.223            | 2.2689           | 2.296            | 0.023008         | 2.046             | 2.1652            | 2.245             | 0.075856          | -0.182    | -0.10367  | -0.048    | 0.065659  |
| 100      | 2.223            | 2.2689           | 2.296            | 0.023008         | 2.067             | 2.1374            | 2.248             | 0.056171          | -0.175    | -0.1315   | -0.048    | 0.043968  |

Device Test: 6.131; VOL\_RESET\_10MA

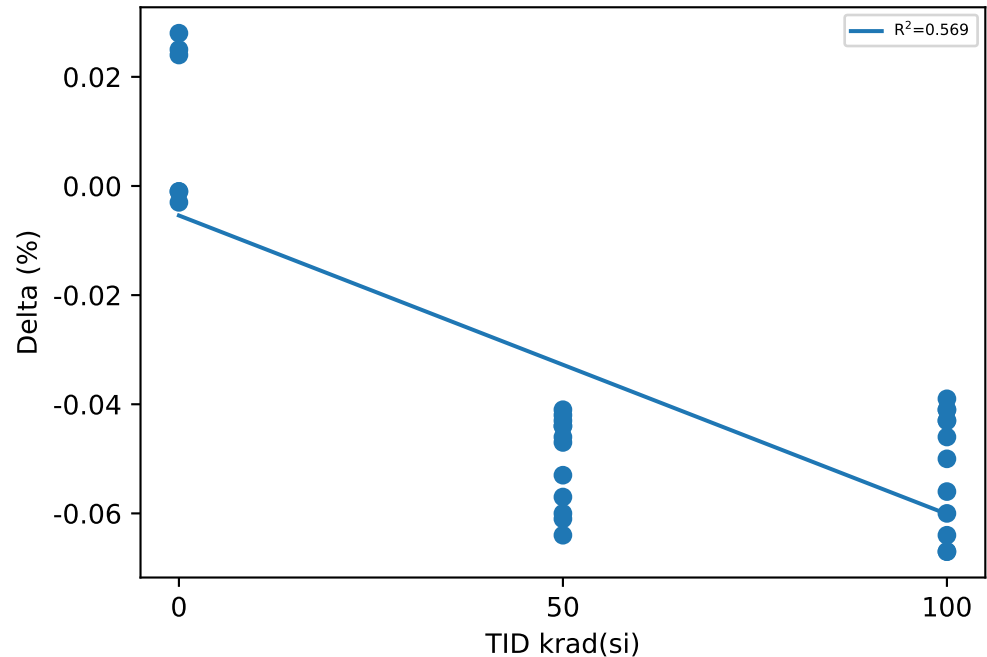
TID vs Result Stats



Test Results (Upper Limit = 23.0 (%))

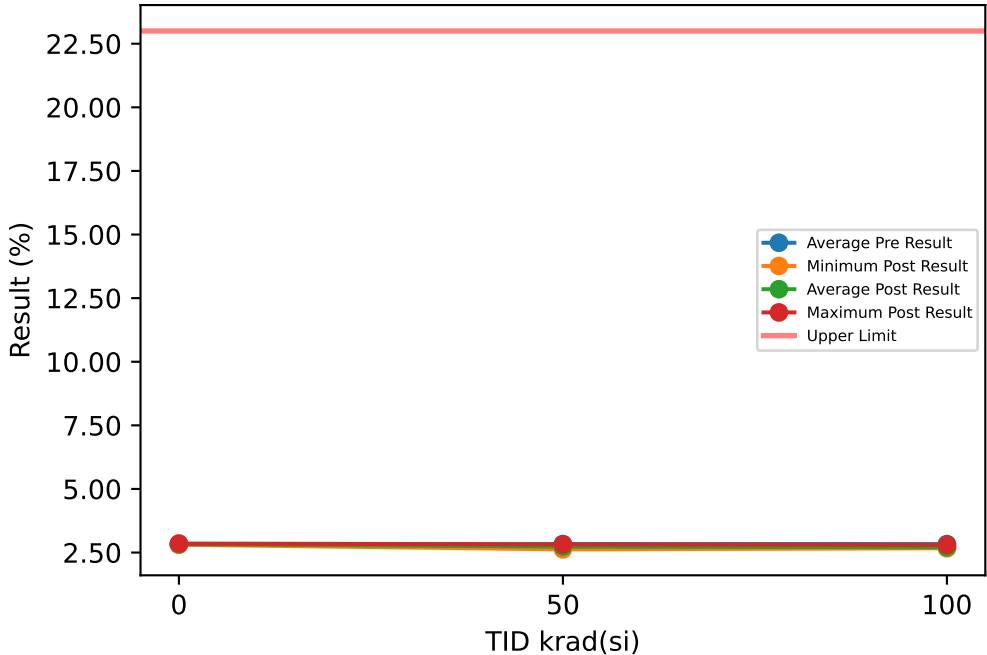
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 2.844      | 2.843       | -0.001 |
| 201      | 0        | Correlation         | 2.838      | 2.837       | -0.001 |
| 202      | 0        | Correlation         | 2.891      | 2.888       | -0.003 |
| 203      | 50       | Biased              | 2.871      | 2.824       | -0.047 |
| 204      | 50       | Biased              | 2.86       | 2.814       | -0.046 |
| 205      | 50       | Biased              | 2.862      | 2.821       | -0.041 |
| 206      | 50       | Biased              | 2.854      | 2.81        | -0.044 |
| 207      | 50       | Biased              | 2.879      | 2.837       | -0.042 |
| 208      | 50       | Biased              | 2.868      | 2.825       | -0.043 |
| 209      | 50       | Unbiased            | 2.85       | 2.793       | -0.057 |
| 210      | 50       | Unbiased            | 2.832      | 2.779       | -0.053 |
| 211      | 50       | Unbiased            | 2.865      | 2.821       | -0.044 |
| 212      | 50       | Unbiased            | 2.835      | 2.775       | -0.06  |
| 213      | 50       | Unbiased            | 2.857      | 2.796       | -0.061 |
| 214      | 50       | Unbiased            | 2.875      | 2.811       | -0.064 |
| 1200     | 0        | Correlation         | 2.844      | 2.872       | 0.028  |
| 1201     | 0        | Correlation         | 2.838      | 2.863       | 0.025  |
| 1202     | 0        | Correlation         | 2.891      | 2.915       | 0.024  |
| 1203     | 100      | Biased              | 2.871      | 2.821       | -0.05  |
| 1204     | 100      | Biased              | 2.86       | 2.814       | -0.046 |
| 1205     | 100      | Biased              | 2.862      | 2.819       | -0.043 |
| 1206     | 100      | Biased              | 2.854      | 2.813       | -0.041 |
| 1207     | 100      | Biased              | 2.879      | 2.838       | -0.041 |
| 1208     | 100      | Biased              | 2.868      | 2.825       | -0.043 |
| 1209     | 100      | Unbiased            | 2.85       | 2.79        | -0.06  |
| 1210     | 100      | Unbiased            | 2.832      | 2.776       | -0.056 |
| 1211     | 100      | Unbiased            | 2.865      | 2.826       | -0.039 |
| 1212     | 100      | Unbiased            | 2.835      | 2.771       | -0.064 |
| 1213     | 100      | Unbiased            | 2.857      | 2.79        | -0.067 |
| 1214     | 100      | Unbiased            | 2.875      | 2.808       | -0.067 |

TID vs Post - Pre Exposure Delta



Device Test: 6.132; VOL\_RESET\_10MA

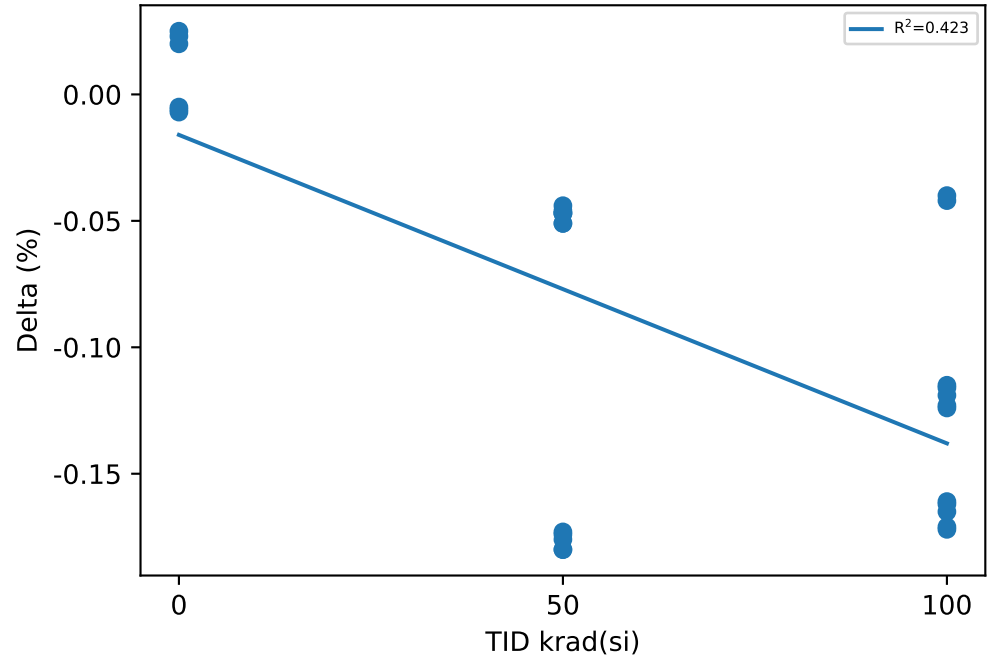
TID vs Result Stats



Test Results (Upper Limit = 23.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 2.829      | 2.823       | -0.006 |
| 201      | 0        | Correlation         | 2.812      | 2.807       | -0.005 |
| 202      | 0        | Correlation         | 2.821      | 2.814       | -0.007 |
| 203      | 50       | Biased              | 2.857      | 2.806       | -0.051 |
| 204      | 50       | Biased              | 2.845      | 2.794       | -0.051 |
| 205      | 50       | Biased              | 2.865      | 2.821       | -0.044 |
| 206      | 50       | Biased              | 2.809      | 2.762       | -0.047 |
| 207      | 50       | Biased              | 2.864      | 2.818       | -0.046 |
| 208      | 50       | Biased              | 2.829      | 2.782       | -0.047 |
| 209      | 50       | Unbiased            | 2.807      | 2.634       | -0.173 |
| 210      | 50       | Unbiased            | 2.831      | 2.657       | -0.174 |
| 211      | 50       | Unbiased            | 2.84       | 2.793       | -0.047 |
| 212      | 50       | Unbiased            | 2.8        | 2.624       | -0.176 |
| 213      | 50       | Unbiased            | 2.833      | 2.653       | -0.18  |
| 214      | 50       | Unbiased            | 2.82       | 2.64        | -0.18  |
| 1200     | 0        | Correlation         | 2.829      | 2.854       | 0.025  |
| 1201     | 0        | Correlation         | 2.812      | 2.835       | 0.023  |
| 1202     | 0        | Correlation         | 2.821      | 2.841       | 0.02   |
| 1203     | 100      | Biased              | 2.857      | 2.685       | -0.172 |
| 1204     | 100      | Biased              | 2.845      | 2.674       | -0.171 |
| 1205     | 100      | Biased              | 2.865      | 2.703       | -0.162 |
| 1206     | 100      | Biased              | 2.809      | 2.767       | -0.042 |
| 1207     | 100      | Biased              | 2.864      | 2.699       | -0.165 |
| 1208     | 100      | Biased              | 2.829      | 2.668       | -0.161 |
| 1209     | 100      | Unbiased            | 2.807      | 2.692       | -0.115 |
| 1210     | 100      | Unbiased            | 2.831      | 2.715       | -0.116 |
| 1211     | 100      | Unbiased            | 2.84       | 2.8         | -0.04  |
| 1212     | 100      | Unbiased            | 2.8        | 2.681       | -0.119 |
| 1213     | 100      | Unbiased            | 2.833      | 2.709       | -0.124 |
| 1214     | 100      | Unbiased            | 2.82       | 2.697       | -0.123 |

TID vs Post - Pre Exposure Delta



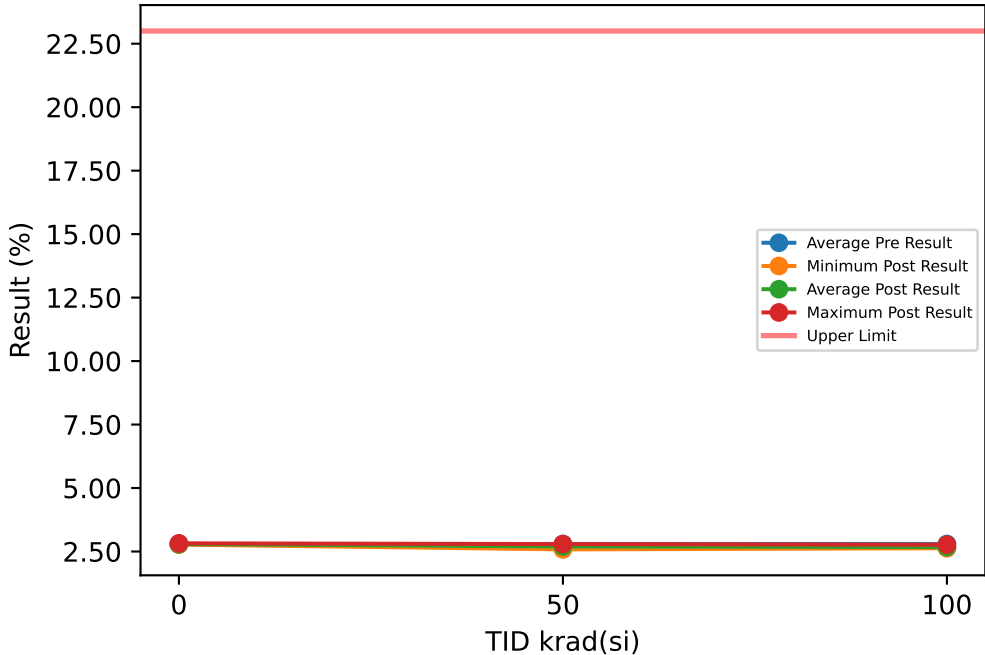
Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 2.812            | 2.8207           | 2.829            | 0.007607         | 2.807             | 2.829             | 2.854             | 0.017607          | -0.007    | 0.0083333 | 0.025     | 0.015795  |
| 50       | 2.8              | 2.8333           | 2.865            | 0.021914         | 2.624             | 2.732             | 2.821             | 0.081662          | -0.18     | -0.10133  | -0.044    | 0.066497  |
| 100      | 2.8              | 2.8333           | 2.865            | 0.021914         | 2.668             | 2.7075            | 2.8               | 0.038717          | -0.172    | -0.12583  | -0.04     | 0.045645  |



Device Test: 6.133; VOL\_RESET\_10MA

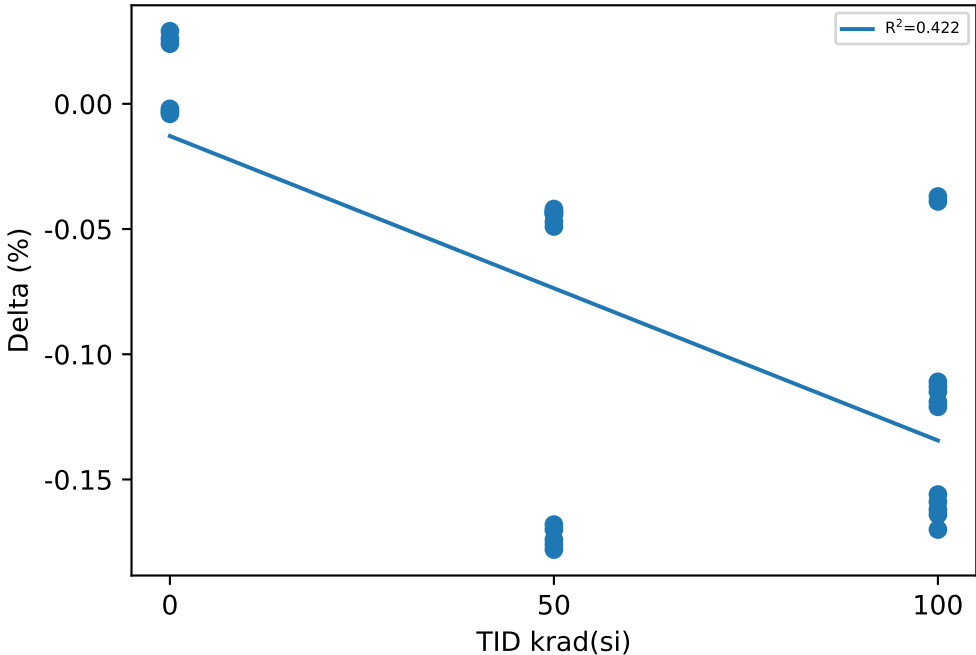
TID vs Result Stats



Test Results (Upper Limit = 23.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 2.793      | 2.79        | -0.003 |
| 201      | 0        | Correlation         | 2.774      | 2.772       | -0.002 |
| 202      | 0        | Correlation         | 2.778      | 2.774       | -0.004 |
| 203      | 50       | Biased              | 2.832      | 2.783       | -0.049 |
| 204      | 50       | Biased              | 2.793      | 2.746       | -0.047 |
| 205      | 50       | Biased              | 2.834      | 2.792       | -0.042 |
| 206      | 50       | Biased              | 2.774      | 2.73        | -0.044 |
| 207      | 50       | Biased              | 2.83       | 2.787       | -0.043 |
| 208      | 50       | Biased              | 2.787      | 2.743       | -0.044 |
| 209      | 50       | Unbiased            | 2.784      | 2.61        | -0.174 |
| 210      | 50       | Unbiased            | 2.784      | 2.616       | -0.168 |
| 211      | 50       | Unbiased            | 2.804      | 2.761       | -0.043 |
| 212      | 50       | Unbiased            | 2.753      | 2.583       | -0.17  |
| 213      | 50       | Unbiased            | 2.802      | 2.624       | -0.178 |
| 214      | 50       | Unbiased            | 2.776      | 2.6         | -0.176 |
| 1200     | 0        | Correlation         | 2.793      | 2.822       | 0.029  |
| 1201     | 0        | Correlation         | 2.774      | 2.8         | 0.026  |
| 1202     | 0        | Correlation         | 2.778      | 2.802       | 0.024  |
| 1203     | 100      | Biased              | 2.832      | 2.662       | -0.17  |
| 1204     | 100      | Biased              | 2.793      | 2.629       | -0.164 |
| 1205     | 100      | Biased              | 2.834      | 2.675       | -0.159 |
| 1206     | 100      | Biased              | 2.774      | 2.735       | -0.039 |
| 1207     | 100      | Biased              | 2.83       | 2.668       | -0.162 |
| 1208     | 100      | Biased              | 2.787      | 2.631       | -0.156 |
| 1209     | 100      | Unbiased            | 2.784      | 2.669       | -0.115 |
| 1210     | 100      | Unbiased            | 2.784      | 2.673       | -0.111 |
| 1211     | 100      | Unbiased            | 2.804      | 2.767       | -0.037 |
| 1212     | 100      | Unbiased            | 2.753      | 2.64        | -0.113 |
| 1213     | 100      | Unbiased            | 2.802      | 2.681       | -0.121 |
| 1214     | 100      | Unbiased            | 2.776      | 2.657       | -0.119 |

TID vs Post - Pre Exposure Delta

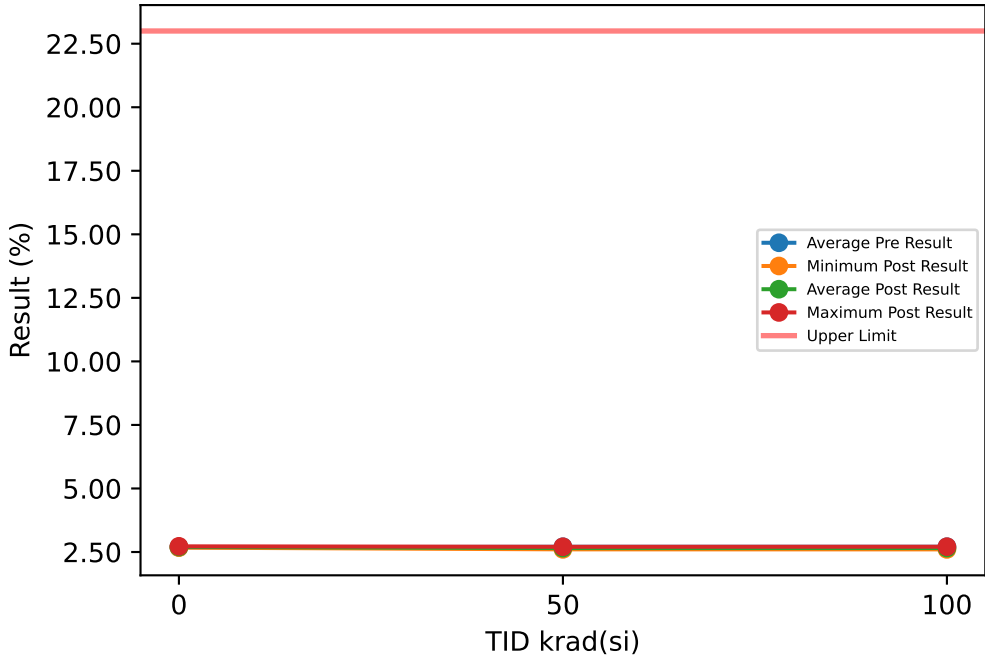


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 2.774            | 2.7817           | 2.793            | 0.0089592        | 2.772             | 2.7933            | 2.822             | 0.018875          | -0.004    | 0.011667  | 0.029     | 0.016158  |
| 50       | 2.753            | 2.7961           | 2.834            | 0.025418         | 2.583             | 2.6979            | 2.792             | 0.083163          | -0.178    | -0.098167 | -0.042    | 0.066308  |
| 100      | 2.753            | 2.7961           | 2.834            | 0.025418         | 2.629             | 2.6739            | 2.767             | 0.04039           | -0.17     | -0.12217  | -0.037    | 0.045295  |

Device Test: 6.134; VOL\_RESET\_10MA

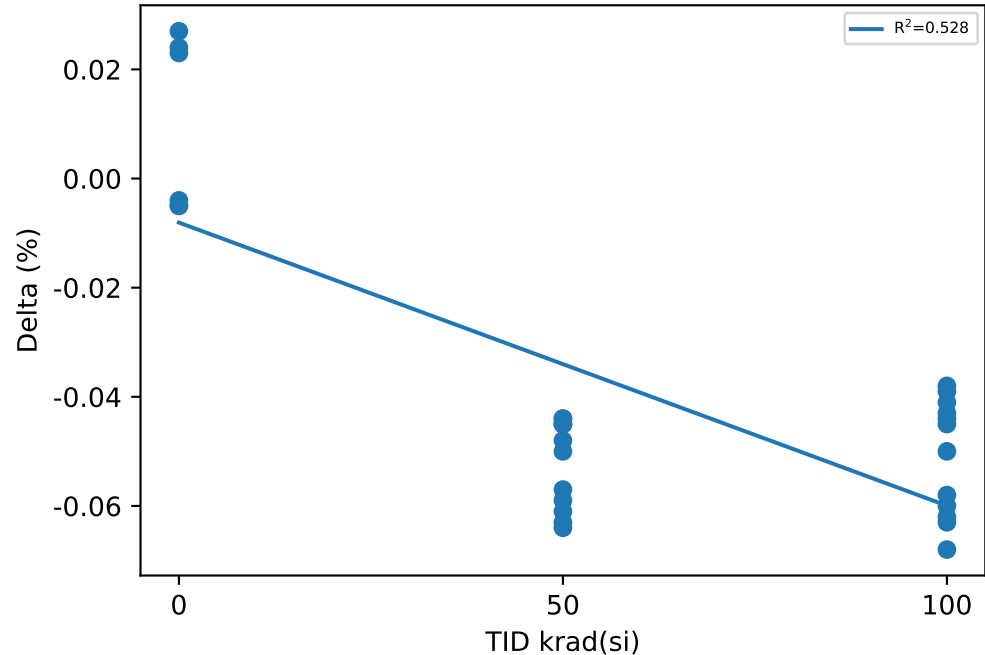
TID vs Result Stats



Test Results (Upper Limit = 23.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 2.697      | 2.693       | -0.004 |
| 201      | 0        | Correlation         | 2.677      | 2.672       | -0.005 |
| 202      | 0        | Correlation         | 2.688      | 2.683       | -0.005 |
| 203      | 50       | Biased              | 2.748      | 2.698       | -0.05  |
| 204      | 50       | Biased              | 2.693      | 2.645       | -0.048 |
| 205      | 50       | Biased              | 2.74       | 2.696       | -0.044 |
| 206      | 50       | Biased              | 2.687      | 2.642       | -0.045 |
| 207      | 50       | Biased              | 2.75       | 2.706       | -0.044 |
| 208      | 50       | Biased              | 2.688      | 2.643       | -0.045 |
| 209      | 50       | Unbiased            | 2.691      | 2.632       | -0.059 |
| 210      | 50       | Unbiased            | 2.694      | 2.637       | -0.057 |
| 211      | 50       | Unbiased            | 2.712      | 2.667       | -0.045 |
| 212      | 50       | Unbiased            | 2.665      | 2.604       | -0.061 |
| 213      | 50       | Unbiased            | 2.721      | 2.657       | -0.064 |
| 214      | 50       | Unbiased            | 2.686      | 2.623       | -0.063 |
| 1200     | 0        | Correlation         | 2.697      | 2.724       | 0.027  |
| 1201     | 0        | Correlation         | 2.677      | 2.701       | 0.024  |
| 1202     | 0        | Correlation         | 2.688      | 2.711       | 0.023  |
| 1203     | 100      | Biased              | 2.748      | 2.698       | -0.05  |
| 1204     | 100      | Biased              | 2.693      | 2.648       | -0.045 |
| 1205     | 100      | Biased              | 2.74       | 2.696       | -0.044 |
| 1206     | 100      | Biased              | 2.687      | 2.648       | -0.039 |
| 1207     | 100      | Biased              | 2.75       | 2.709       | -0.041 |
| 1208     | 100      | Biased              | 2.688      | 2.645       | -0.043 |
| 1209     | 100      | Unbiased            | 2.691      | 2.631       | -0.06  |
| 1210     | 100      | Unbiased            | 2.694      | 2.636       | -0.058 |
| 1211     | 100      | Unbiased            | 2.712      | 2.674       | -0.038 |
| 1212     | 100      | Unbiased            | 2.665      | 2.603       | -0.062 |
| 1213     | 100      | Unbiased            | 2.721      | 2.653       | -0.068 |
| 1214     | 100      | Unbiased            | 2.686      | 2.623       | -0.063 |

TID vs Post - Pre Exposure Delta

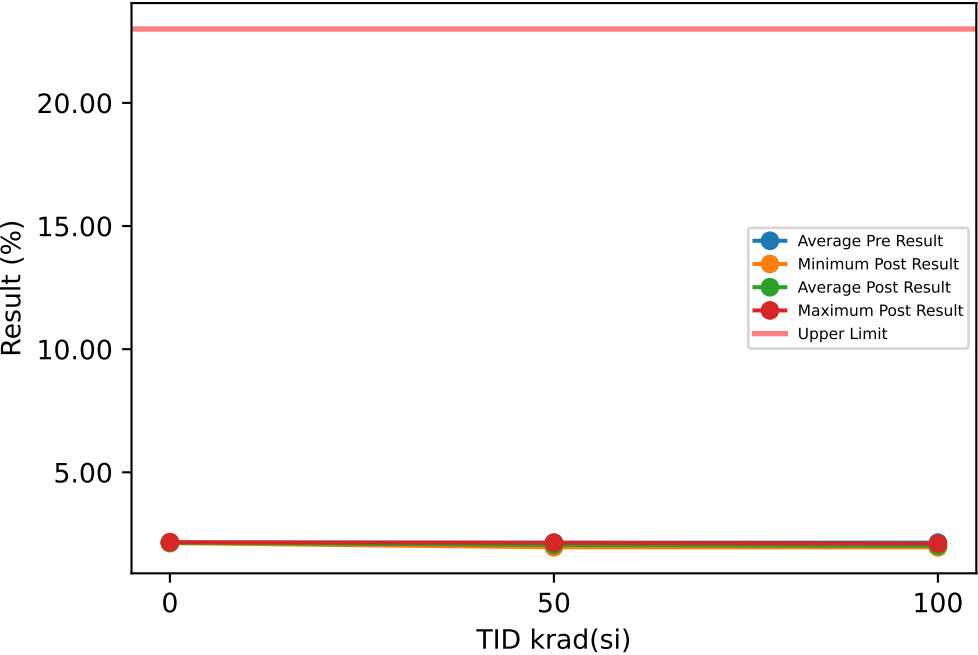


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 2.677            | 2.6873           | 2.697            | 0.0089592        | 2.672             | 2.6973            | 2.724             | 0.018854          | -0.005    | 0.01      | 0.027     | 0.016125  |
| 50       | 2.665            | 2.7063           | 2.75             | 0.027667         | 2.604             | 2.6542            | 2.706             | 0.031854          | -0.064    | -0.052083 | -0.044    | 0.0080618 |
| 100      | 2.665            | 2.7063           | 2.75             | 0.027667         | 2.603             | 2.6553            | 2.709             | 0.032575          | -0.068    | -0.050917 | -0.038    | 0.010647  |

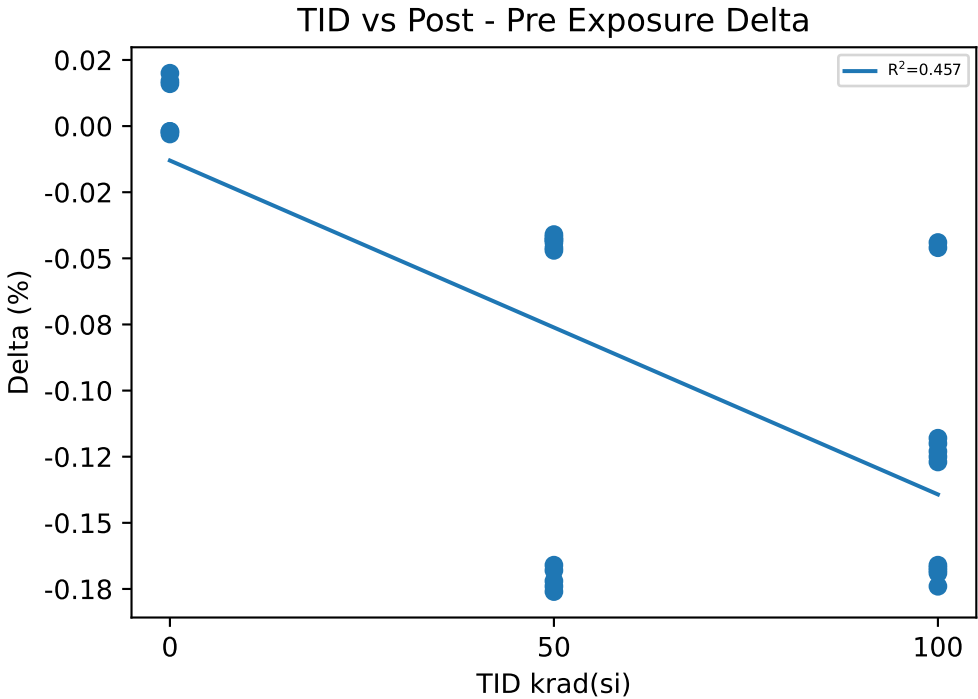
Device Test: 6.135; VOL\_WDO\_10MA

TID vs Result Stats



Test Results (Upper Limit = 23.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 2.145      | 2.143       | -0.002 |
| 201      | 0        | Correlation         | 2.126      | 2.124       | -0.002 |
| 202      | 0        | Correlation         | 2.138      | 2.135       | -0.003 |
| 203      | 50       | Biased              | 2.146      | 2.099       | -0.047 |
| 204      | 50       | Biased              | 2.121      | 2.075       | -0.046 |
| 205      | 50       | Biased              | 2.178      | 2.137       | -0.041 |
| 206      | 50       | Biased              | 2.151      | 2.108       | -0.043 |
| 207      | 50       | Biased              | 2.169      | 2.127       | -0.042 |
| 208      | 50       | Biased              | 2.149      | 2.105       | -0.044 |
| 209      | 50       | Unbiased            | 2.122      | 1.956       | -0.166 |
| 210      | 50       | Unbiased            | 2.134      | 1.966       | -0.168 |
| 211      | 50       | Unbiased            | 2.151      | 2.108       | -0.043 |
| 212      | 50       | Unbiased            | 2.126      | 1.954       | -0.172 |
| 213      | 50       | Unbiased            | 2.16       | 1.984       | -0.176 |
| 214      | 50       | Unbiased            | 2.137      | 1.963       | -0.174 |
| 1200     | 0        | Correlation         | 2.145      | 2.165       | 0.02   |
| 1201     | 0        | Correlation         | 2.126      | 2.143       | 0.017  |
| 1202     | 0        | Correlation         | 2.138      | 2.154       | 0.016  |
| 1203     | 100      | Biased              | 2.146      | 1.972       | -0.174 |
| 1204     | 100      | Biased              | 2.121      | 1.952       | -0.169 |
| 1205     | 100      | Biased              | 2.178      | 2.01        | -0.168 |
| 1206     | 100      | Biased              | 2.151      | 2.105       | -0.046 |
| 1207     | 100      | Biased              | 2.169      | 2.002       | -0.167 |
| 1208     | 100      | Biased              | 2.149      | 1.983       | -0.166 |
| 1209     | 100      | Unbiased            | 2.122      | 2.004       | -0.118 |
| 1210     | 100      | Unbiased            | 2.134      | 2.014       | -0.12  |
| 1211     | 100      | Unbiased            | 2.151      | 2.107       | -0.044 |
| 1212     | 100      | Unbiased            | 2.126      | 2.003       | -0.123 |
| 1213     | 100      | Unbiased            | 2.16       | 2.033       | -0.127 |
| 1214     | 100      | Unbiased            | 2.137      | 2.012       | -0.125 |

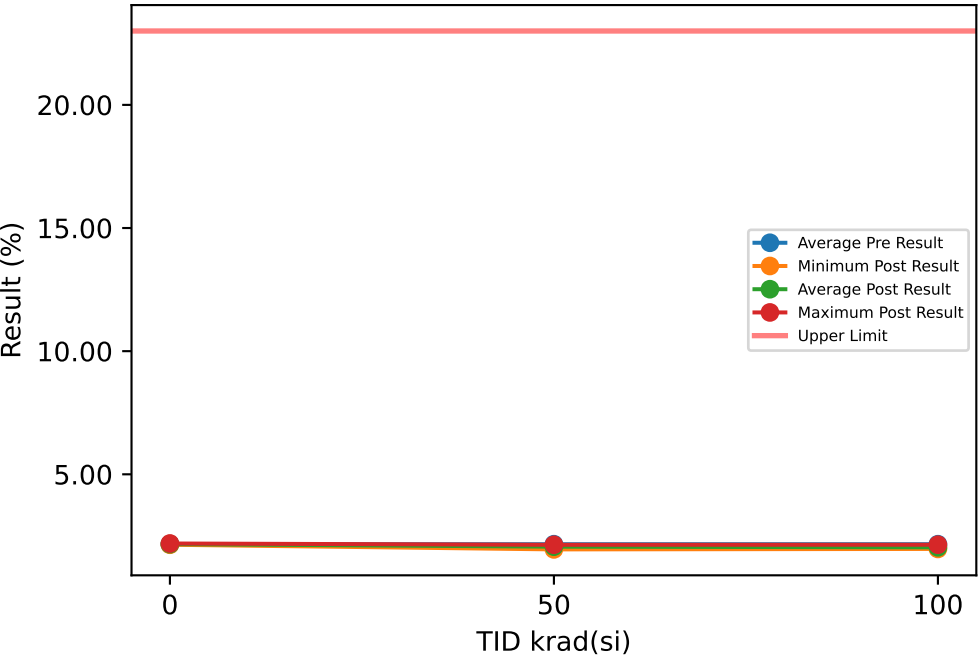


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 2.126            | 2.1363           | 2.145            | 0.0085946        | 2.124             | 2.144             | 2.165             | 0.014311          | -0.003    | 0.0076667 | 0.02      | 0.011039  |
| 50       | 2.121            | 2.1453           | 2.178            | 0.018163         | 1.954             | 2.0485            | 2.137             | 0.075849          | -0.176    | -0.096833 | -0.041    | 0.065713  |
| 100      | 2.121            | 2.1453           | 2.178            | 0.018163         | 1.952             | 2.0164            | 2.107             | 0.04688           | -0.174    | -0.12892  | -0.044    | 0.045056  |

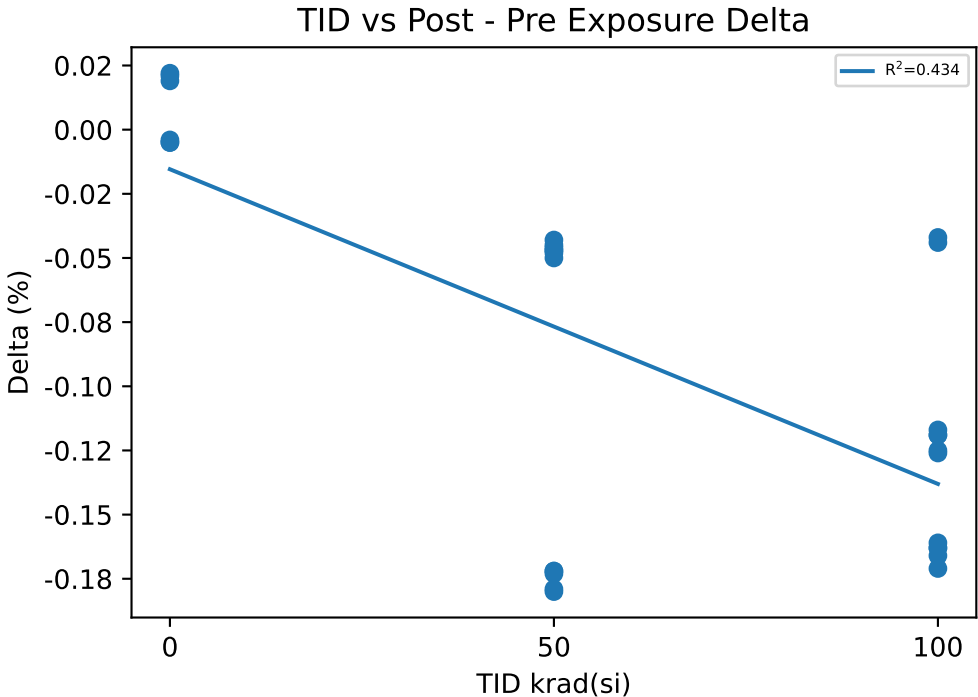
Device Test: 6.136; VOL\_PWRGD\_10MA

TID vs Result Stats



Test Results (Upper Limit = 23.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 2.169      | 2.164       | -0.005 |
| 201      | 0        | Correlation         | 2.144      | 2.14        | -0.004 |
| 202      | 0        | Correlation         | 2.162      | 2.157       | -0.005 |
| 203      | 50       | Biased              | 2.16       | 2.11        | -0.05  |
| 204      | 50       | Biased              | 2.133      | 2.085       | -0.048 |
| 205      | 50       | Biased              | 2.179      | 2.136       | -0.043 |
| 206      | 50       | Biased              | 2.177      | 2.13        | -0.047 |
| 207      | 50       | Biased              | 2.183      | 2.138       | -0.045 |
| 208      | 50       | Biased              | 2.155      | 2.109       | -0.046 |
| 209      | 50       | Unbiased            | 2.158      | 1.986       | -0.172 |
| 210      | 50       | Unbiased            | 2.158      | 1.985       | -0.173 |
| 211      | 50       | Unbiased            | 2.183      | 2.136       | -0.047 |
| 212      | 50       | Unbiased            | 2.123      | 1.951       | -0.172 |
| 213      | 50       | Unbiased            | 2.179      | 1.999       | -0.18  |
| 214      | 50       | Unbiased            | 2.156      | 1.977       | -0.179 |
| 1200     | 0        | Correlation         | 2.169      | 2.191       | 0.022  |
| 1201     | 0        | Correlation         | 2.144      | 2.165       | 0.021  |
| 1202     | 0        | Correlation         | 2.162      | 2.181       | 0.019  |
| 1203     | 100      | Biased              | 2.16       | 1.989       | -0.171 |
| 1204     | 100      | Biased              | 2.133      | 1.97        | -0.163 |
| 1205     | 100      | Biased              | 2.179      | 2.016       | -0.163 |
| 1206     | 100      | Biased              | 2.177      | 2.133       | -0.044 |
| 1207     | 100      | Biased              | 2.183      | 2.017       | -0.166 |
| 1208     | 100      | Biased              | 2.155      | 1.994       | -0.161 |
| 1209     | 100      | Unbiased            | 2.158      | 2.041       | -0.117 |
| 1210     | 100      | Unbiased            | 2.158      | 2.039       | -0.119 |
| 1211     | 100      | Unbiased            | 2.183      | 2.141       | -0.042 |
| 1212     | 100      | Unbiased            | 2.123      | 2.004       | -0.119 |
| 1213     | 100      | Unbiased            | 2.179      | 2.053       | -0.126 |
| 1214     | 100      | Unbiased            | 2.156      | 2.031       | -0.125 |

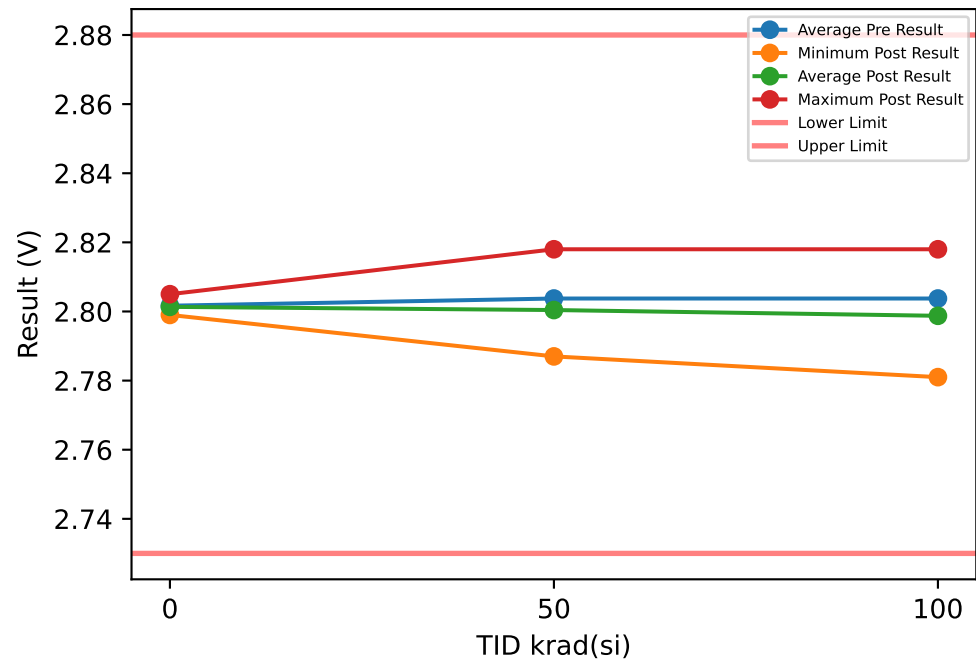


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 2.144            | 2.1583           | 2.169            | 0.011535         | 2.14              | 2.1663            | 2.191             | 0.017952          | -0.005    | 0.008     | 0.022     | 0.013914  |
| 50       | 2.123            | 2.162            | 2.183            | 0.019466         | 1.951             | 2.0618            | 2.138             | 0.074841          | -0.18     | -0.10017  | -0.043    | 0.066298  |
| 100      | 2.123            | 2.162            | 2.183            | 0.019466         | 1.97              | 2.0357            | 2.141             | 0.052996          | -0.171    | -0.12633  | -0.042    | 0.044258  |

Device Test: 6.137; UVLO\_RISE

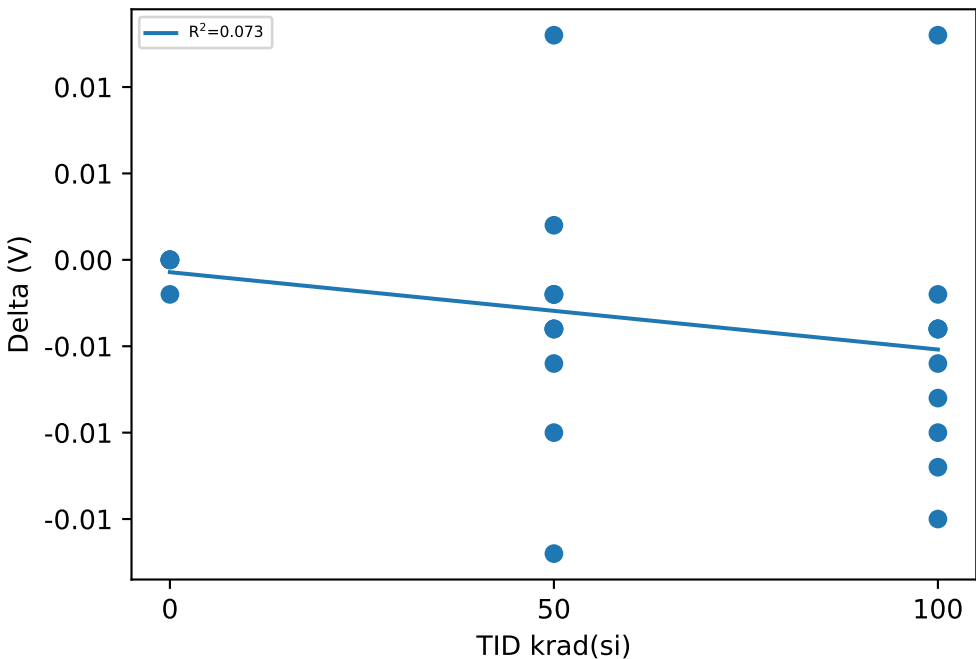
TID vs Result Stats



Test Results (Lower Limit = 2.73, Upper Limit = 2.88 (V))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 2.801      | 2.801       | 0      |
| 201      | 0        | Correlation         | 2.805      | 2.803       | -0.002 |
| 202      | 0        | Correlation         | 2.799      | 2.799       | 0      |
| 203      | 50       | Biased              | 2.805      | 2.818       | 0.013  |
| 204      | 50       | Biased              | 2.803      | 2.799       | -0.004 |
| 205      | 50       | Biased              | 2.793      | 2.795       | 0.002  |
| 206      | 50       | Biased              | 2.809      | 2.807       | -0.002 |
| 207      | 50       | Biased              | 2.811      | 2.801       | -0.01  |
| 208      | 50       | Biased              | 2.811      | 2.809       | -0.002 |
| 209      | 50       | Unbiased            | 2.801      | 2.797       | -0.004 |
| 210      | 50       | Unbiased            | 2.809      | 2.805       | -0.004 |
| 211      | 50       | Unbiased            | 2.801      | 2.797       | -0.004 |
| 212      | 50       | Unbiased            | 2.789      | 2.787       | -0.002 |
| 213      | 50       | Unbiased            | 2.801      | 2.795       | -0.006 |
| 214      | 50       | Unbiased            | 2.812      | 2.795       | -0.017 |
| 1200     | 0        | Correlation         | 2.801      | 2.801       | 0      |
| 1201     | 0        | Correlation         | 2.805      | 2.805       | 0      |
| 1202     | 0        | Correlation         | 2.799      | 2.799       | 0      |
| 1203     | 100      | Biased              | 2.805      | 2.818       | 0.013  |
| 1204     | 100      | Biased              | 2.803      | 2.797       | -0.006 |
| 1205     | 100      | Biased              | 2.793      | 2.789       | -0.004 |
| 1206     | 100      | Biased              | 2.809      | 2.805       | -0.004 |
| 1207     | 100      | Biased              | 2.811      | 2.799       | -0.012 |
| 1208     | 100      | Biased              | 2.811      | 2.807       | -0.004 |
| 1209     | 100      | Unbiased            | 2.801      | 2.797       | -0.004 |
| 1210     | 100      | Unbiased            | 2.809      | 2.799       | -0.01  |
| 1211     | 100      | Unbiased            | 2.801      | 2.799       | -0.002 |
| 1212     | 100      | Unbiased            | 2.789      | 2.781       | -0.008 |
| 1213     | 100      | Unbiased            | 2.801      | 2.797       | -0.004 |
| 1214     | 100      | Unbiased            | 2.812      | 2.797       | -0.015 |

TID vs Post - Pre Exposure Delta

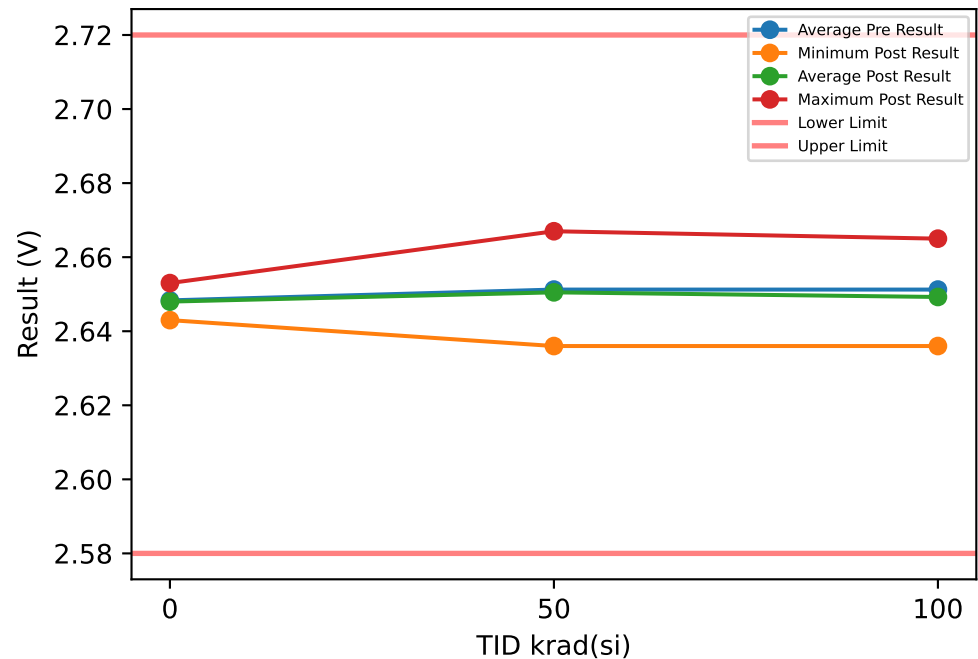


Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|-----------|
| 0        | 2.799            | 2.8017           | 2.805            | 0.0027325        | 2.799             | 2.8013            | 2.805             | 0.0023381         | -0.002    | -0.00033333 | 0         | 0.0008165 |
| 50       | 2.789            | 2.8038           | 2.812            | 0.0073004        | 2.787             | 2.8004            | 2.818             | 0.0082071         | -0.017    | -0.0033333  | 0.013     | 0.0070108 |
| 100      | 2.789            | 2.8038           | 2.812            | 0.0073004        | 2.781             | 2.7988            | 2.818             | 0.0090466         | -0.015    | -0.005      | 0.013     | 0.0068887 |

Device Test: 6.138; UVLO\_FALL

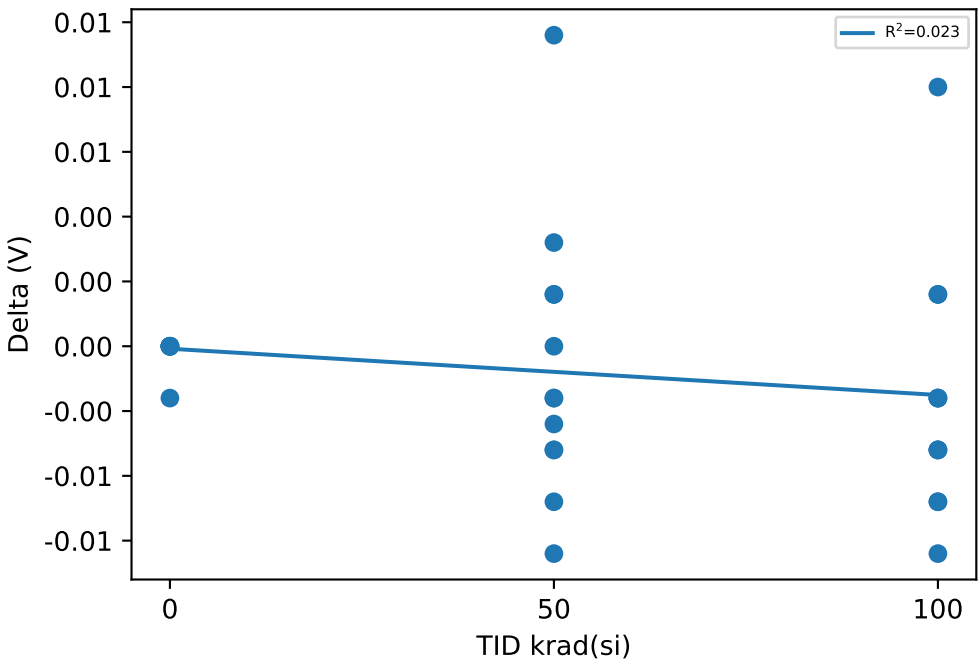
TID vs Result Stats



Test Results (Lower Limit = 2.58, Upper Limit = 2.72 (V))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 2.649      | 2.647       | -0.002 |
| 201      | 0        | Correlation         | 2.653      | 2.653       | 0      |
| 202      | 0        | Correlation         | 2.643      | 2.643       | 0      |
| 203      | 50       | Biased              | 2.655      | 2.667       | 0.012  |
| 204      | 50       | Biased              | 2.647      | 2.649       | 0.002  |
| 205      | 50       | Biased              | 2.645      | 2.642       | -0.003 |
| 206      | 50       | Biased              | 2.653      | 2.653       | 0      |
| 207      | 50       | Biased              | 2.655      | 2.653       | -0.002 |
| 208      | 50       | Biased              | 2.661      | 2.663       | 0.002  |
| 209      | 50       | Unbiased            | 2.649      | 2.643       | -0.006 |
| 210      | 50       | Unbiased            | 2.653      | 2.649       | -0.004 |
| 211      | 50       | Unbiased            | 2.651      | 2.655       | 0.004  |
| 212      | 50       | Unbiased            | 2.64       | 2.636       | -0.004 |
| 213      | 50       | Unbiased            | 2.651      | 2.649       | -0.002 |
| 214      | 50       | Unbiased            | 2.655      | 2.647       | -0.008 |
| 1200     | 0        | Correlation         | 2.649      | 2.649       | 0      |
| 1201     | 0        | Correlation         | 2.653      | 2.653       | 0      |
| 1202     | 0        | Correlation         | 2.643      | 2.643       | 0      |
| 1203     | 100      | Biased              | 2.655      | 2.665       | 0.01   |
| 1204     | 100      | Biased              | 2.647      | 2.645       | -0.002 |
| 1205     | 100      | Biased              | 2.645      | 2.643       | -0.002 |
| 1206     | 100      | Biased              | 2.653      | 2.655       | 0.002  |
| 1207     | 100      | Biased              | 2.655      | 2.651       | -0.004 |
| 1208     | 100      | Biased              | 2.661      | 2.659       | -0.002 |
| 1209     | 100      | Unbiased            | 2.649      | 2.643       | -0.006 |
| 1210     | 100      | Unbiased            | 2.653      | 2.649       | -0.004 |
| 1211     | 100      | Unbiased            | 2.651      | 2.653       | 0.002  |
| 1212     | 100      | Unbiased            | 2.64       | 2.636       | -0.004 |
| 1213     | 100      | Unbiased            | 2.651      | 2.645       | -0.006 |
| 1214     | 100      | Unbiased            | 2.655      | 2.647       | -0.008 |

TID vs Post - Pre Exposure Delta

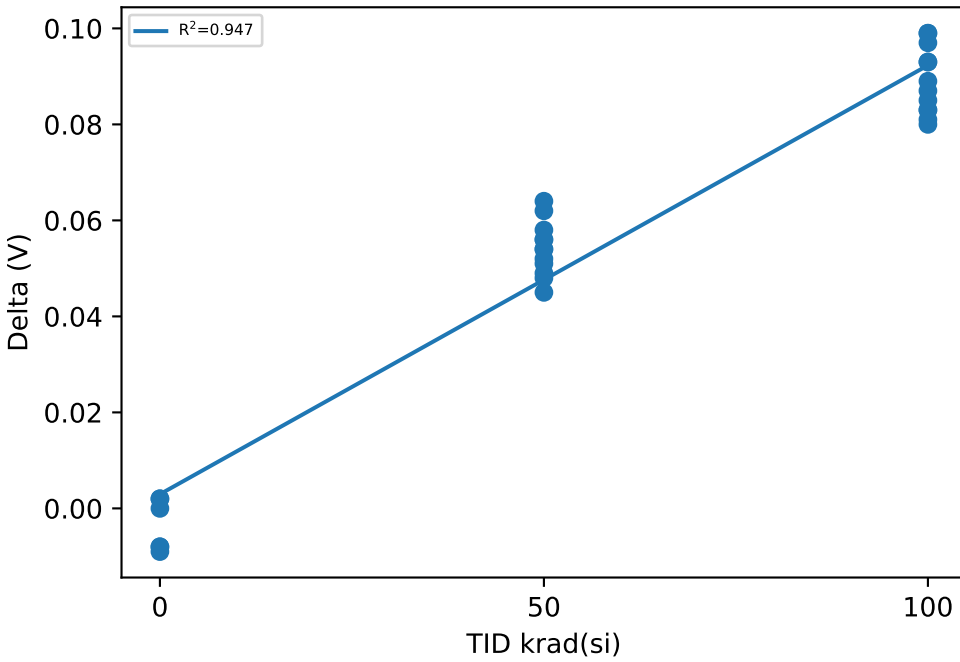
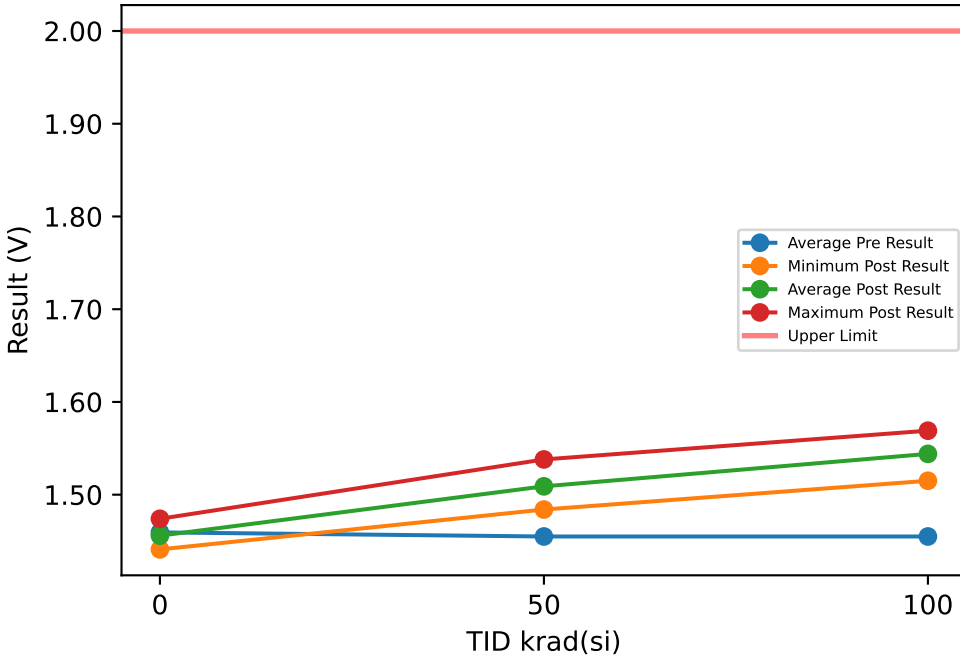


Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|-----------|
| 0        | 2.643            | 2.6483           | 2.653            | 0.0045019        | 2.643             | 2.648             | 2.653             | 0.0045166         | -0.002    | -0.00033333 | 0         | 0.0008165 |
| 50       | 2.64             | 2.6512           | 2.661            | 0.0054959        | 2.636             | 2.6505            | 2.667             | 0.0086287         | -0.008    | -0.00075    | 0.012     | 0.0053108 |
| 100      | 2.64             | 2.6512           | 2.661            | 0.0054959        | 2.636             | 2.6492            | 2.665             | 0.00791           | -0.008    | -0.002      | 0.01      | 0.0048242 |



Device Test: 6.139; VIN\_VALID



Test Results (Upper Limit = 2.0 (V))

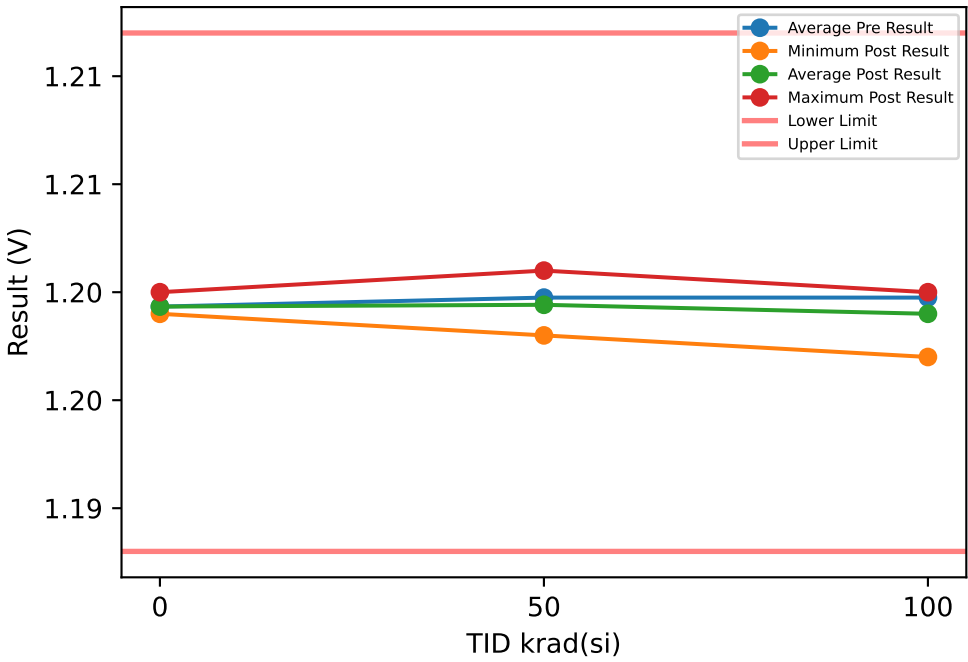
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 1.474      | 1.474       | 0      |
| 201      | 0        | Correlation         | 1.449      | 1.451       | 0.002  |
| 202      | 0        | Correlation         | 1.455      | 1.457       | 0.002  |
| 203      | 50       | Biased              | 1.459      | 1.507       | 0.048  |
| 204      | 50       | Biased              | 1.463      | 1.521       | 0.058  |
| 205      | 50       | Biased              | 1.453      | 1.517       | 0.064  |
| 206      | 50       | Biased              | 1.476      | 1.532       | 0.056  |
| 207      | 50       | Biased              | 1.486      | 1.538       | 0.052  |
| 208      | 50       | Biased              | 1.43       | 1.484       | 0.054  |
| 209      | 50       | Unbiased            | 1.445      | 1.496       | 0.051  |
| 210      | 50       | Unbiased            | 1.451      | 1.496       | 0.045  |
| 211      | 50       | Unbiased            | 1.451      | 1.513       | 0.062  |
| 212      | 50       | Unbiased            | 1.443      | 1.499       | 0.056  |
| 213      | 50       | Unbiased            | 1.449      | 1.498       | 0.049  |
| 214      | 50       | Unbiased            | 1.453      | 1.507       | 0.054  |
| 1200     | 0        | Correlation         | 1.474      | 1.465       | -0.009 |
| 1201     | 0        | Correlation         | 1.449      | 1.441       | -0.008 |
| 1202     | 0        | Correlation         | 1.455      | 1.447       | -0.008 |
| 1203     | 100      | Biased              | 1.459      | 1.542       | 0.083  |
| 1204     | 100      | Biased              | 1.463      | 1.544       | 0.081  |
| 1205     | 100      | Biased              | 1.453      | 1.552       | 0.099  |
| 1206     | 100      | Biased              | 1.476      | 1.569       | 0.093  |
| 1207     | 100      | Biased              | 1.486      | 1.566       | 0.08   |
| 1208     | 100      | Biased              | 1.43       | 1.515       | 0.085  |
| 1209     | 100      | Unbiased            | 1.445      | 1.534       | 0.089  |
| 1210     | 100      | Unbiased            | 1.451      | 1.534       | 0.083  |
| 1211     | 100      | Unbiased            | 1.451      | 1.548       | 0.097  |
| 1212     | 100      | Unbiased            | 1.443      | 1.542       | 0.099  |
| 1213     | 100      | Unbiased            | 1.449      | 1.536       | 0.087  |
| 1214     | 100      | Unbiased            | 1.453      | 1.546       | 0.093  |

### Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 1.449            | 1.4593           | 1.474            | 0.011673         | 1.441             | 1.4558            | 1.474             | 0.012139          | -0.009    | -0.0035   | 0.002     | 0.0053572 |
| 50       | 1.43             | 1.4549           | 1.486            | 0.014854         | 1.484             | 1.509             | 1.538             | 0.015915          | 0.045     | 0.054083  | 0.064     | 0.0055834 |
| 100      | 1.43             | 1.4549           | 1.486            | 0.014854         | 1.515             | 1.544             | 1.569             | 0.014479          | 0.08      | 0.089083  | 0.099     | 0.0069604 |

Device Test: 6.14 ; REFCAP

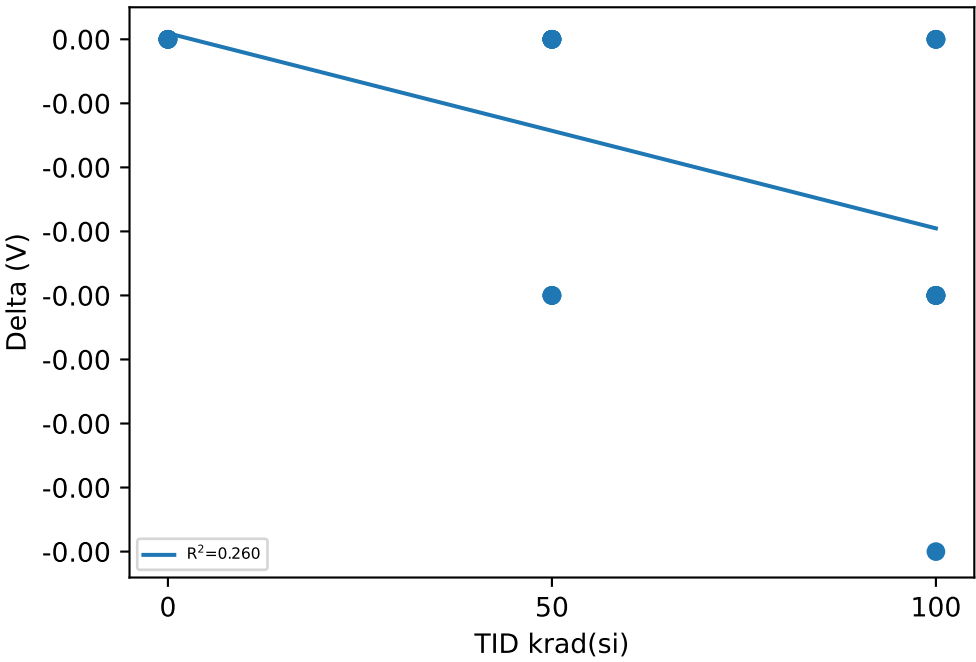
TID vs Result Stats



Test Results (Lower Limit = 1.188, Upper Limit = 1.212 (V))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 1.199      | 1.199       | 0      |
| 201      | 0        | Correlation         | 1.2        | 1.2         | 0      |
| 202      | 0        | Correlation         | 1.199      | 1.199       | 0      |
| 203      | 50       | Biased              | 1.2        | 1.2         | 0      |
| 204      | 50       | Biased              | 1.2        | 1.199       | -0.001 |
| 205      | 50       | Biased              | 1.2        | 1.199       | -0.001 |
| 206      | 50       | Biased              | 1.2        | 1.2         | 0      |
| 207      | 50       | Biased              | 1.199      | 1.198       | -0.001 |
| 208      | 50       | Biased              | 1.201      | 1.201       | 0      |
| 209      | 50       | Unbiased            | 1.199      | 1.199       | 0      |
| 210      | 50       | Unbiased            | 1.2        | 1.199       | -0.001 |
| 211      | 50       | Unbiased            | 1.199      | 1.199       | 0      |
| 212      | 50       | Unbiased            | 1.2        | 1.2         | 0      |
| 213      | 50       | Unbiased            | 1.2        | 1.2         | 0      |
| 214      | 50       | Unbiased            | 1.199      | 1.199       | 0      |
| 1200     | 0        | Correlation         | 1.199      | 1.199       | 0      |
| 1201     | 0        | Correlation         | 1.2        | 1.2         | 0      |
| 1202     | 0        | Correlation         | 1.199      | 1.199       | 0      |
| 1203     | 100      | Biased              | 1.2        | 1.2         | 0      |
| 1204     | 100      | Biased              | 1.2        | 1.199       | -0.001 |
| 1205     | 100      | Biased              | 1.2        | 1.199       | -0.001 |
| 1206     | 100      | Biased              | 1.2        | 1.2         | 0      |
| 1207     | 100      | Biased              | 1.199      | 1.197       | -0.002 |
| 1208     | 100      | Biased              | 1.201      | 1.2         | -0.001 |
| 1209     | 100      | Unbiased            | 1.199      | 1.198       | -0.001 |
| 1210     | 100      | Unbiased            | 1.2        | 1.199       | -0.001 |
| 1211     | 100      | Unbiased            | 1.199      | 1.199       | 0      |
| 1212     | 100      | Unbiased            | 1.2        | 1.2         | 0      |
| 1213     | 100      | Unbiased            | 1.2        | 1.199       | -0.001 |
| 1214     | 100      | Unbiased            | 1.199      | 1.198       | -0.001 |

TID vs Post - Pre Exposure Delta

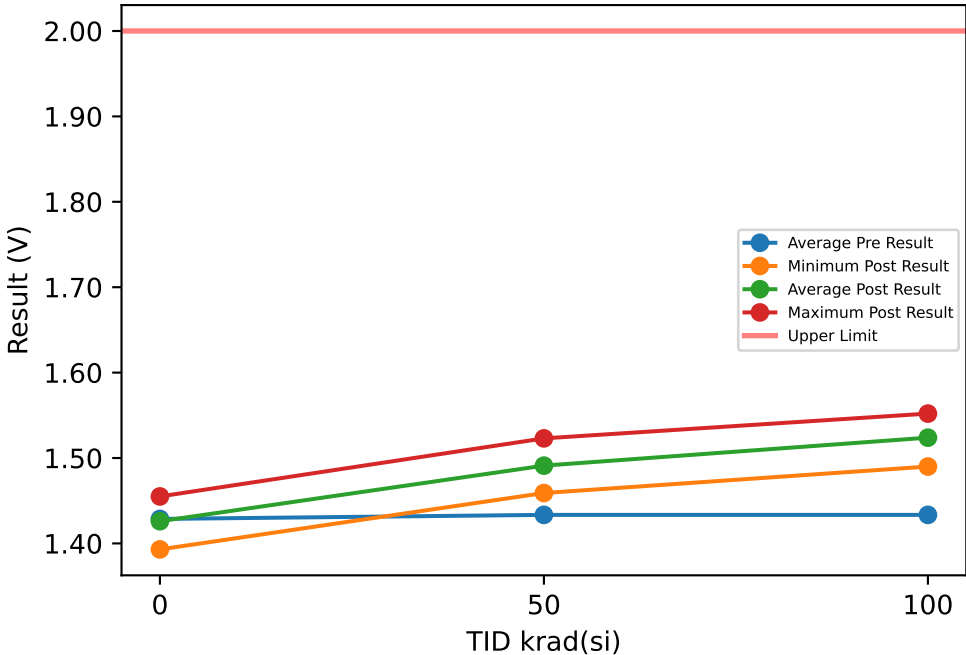


Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|------------|
| 0        | 1.199            | 1.1993           | 1.2              | 0.0005164        | 1.199             | 1.1993            | 1.2               | 0.0005164         | 0         | 0           | 0         | 0          |
| 50       | 1.199            | 1.1998           | 1.201            | 0.00062158       | 1.198             | 1.1994            | 1.201             | 0.00079296        | -0.001    | -0.00033333 | 0         | 0.00049237 |
| 100      | 1.199            | 1.1998           | 1.201            | 0.00062158       | 1.197             | 1.199             | 1.2               | 0.00095346        | -0.002    | -0.00075    | 0         | 0.00062158 |

Device Test: 6.140; VIN\_VALID

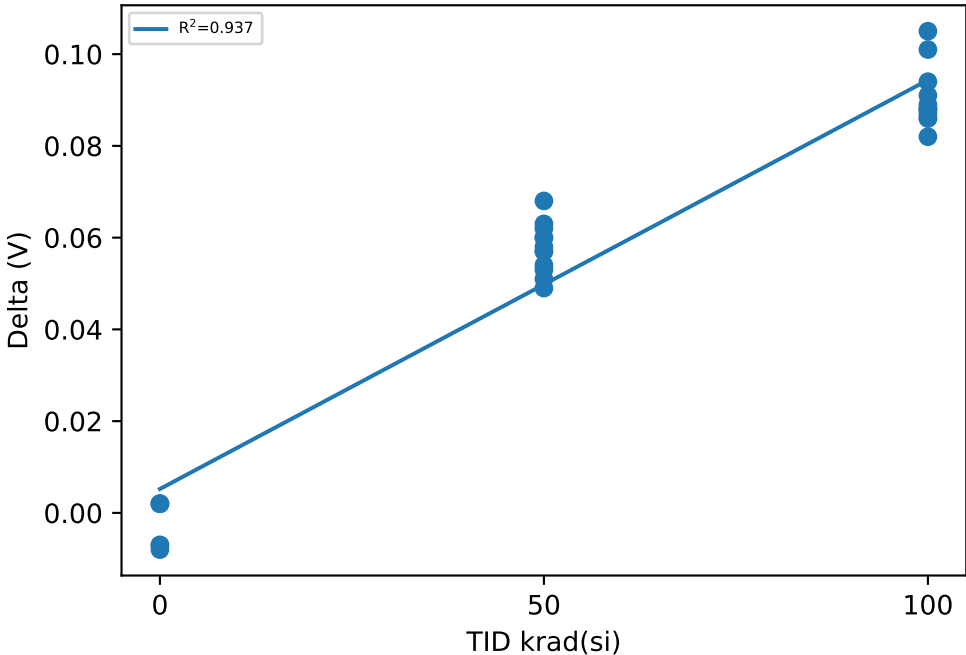
TID vs Result Stats



Test Results (Upper Limit = 2.0 (V))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 1.453      | 1.455       | 0.002  |
| 201      | 0        | Correlation         | 1.433      | 1.435       | 0.002  |
| 202      | 0        | Correlation         | 1.4        | 1.402       | 0.002  |
| 203      | 50       | Biased              | 1.433      | 1.484       | 0.051  |
| 204      | 50       | Biased              | 1.443      | 1.505       | 0.062  |
| 205      | 50       | Biased              | 1.443      | 1.511       | 0.068  |
| 206      | 50       | Biased              | 1.459      | 1.517       | 0.058  |
| 207      | 50       | Biased              | 1.466      | 1.523       | 0.057  |
| 208      | 50       | Biased              | 1.416      | 1.47        | 0.054  |
| 209      | 50       | Unbiased            | 1.402      | 1.459       | 0.057  |
| 210      | 50       | Unbiased            | 1.439      | 1.488       | 0.049  |
| 211      | 50       | Unbiased            | 1.433      | 1.496       | 0.063  |
| 212      | 50       | Unbiased            | 1.42       | 1.48        | 0.06   |
| 213      | 50       | Unbiased            | 1.433      | 1.486       | 0.053  |
| 214      | 50       | Unbiased            | 1.414      | 1.474       | 0.06   |
| 1200     | 0        | Correlation         | 1.453      | 1.445       | -0.008 |
| 1201     | 0        | Correlation         | 1.433      | 1.426       | -0.007 |
| 1202     | 0        | Correlation         | 1.4        | 1.393       | -0.007 |
| 1203     | 100      | Biased              | 1.433      | 1.521       | 0.088  |
| 1204     | 100      | Biased              | 1.443      | 1.531       | 0.088  |
| 1205     | 100      | Biased              | 1.443      | 1.548       | 0.105  |
| 1206     | 100      | Biased              | 1.459      | 1.548       | 0.089  |
| 1207     | 100      | Biased              | 1.466      | 1.552       | 0.086  |
| 1208     | 100      | Biased              | 1.416      | 1.503       | 0.087  |
| 1209     | 100      | Unbiased            | 1.402      | 1.49        | 0.088  |
| 1210     | 100      | Unbiased            | 1.439      | 1.521       | 0.082  |
| 1211     | 100      | Unbiased            | 1.433      | 1.527       | 0.094  |
| 1212     | 100      | Unbiased            | 1.42       | 1.521       | 0.101  |
| 1213     | 100      | Unbiased            | 1.433      | 1.519       | 0.086  |
| 1214     | 100      | Unbiased            | 1.414      | 1.505       | 0.091  |

TID vs Post - Pre Exposure Delta

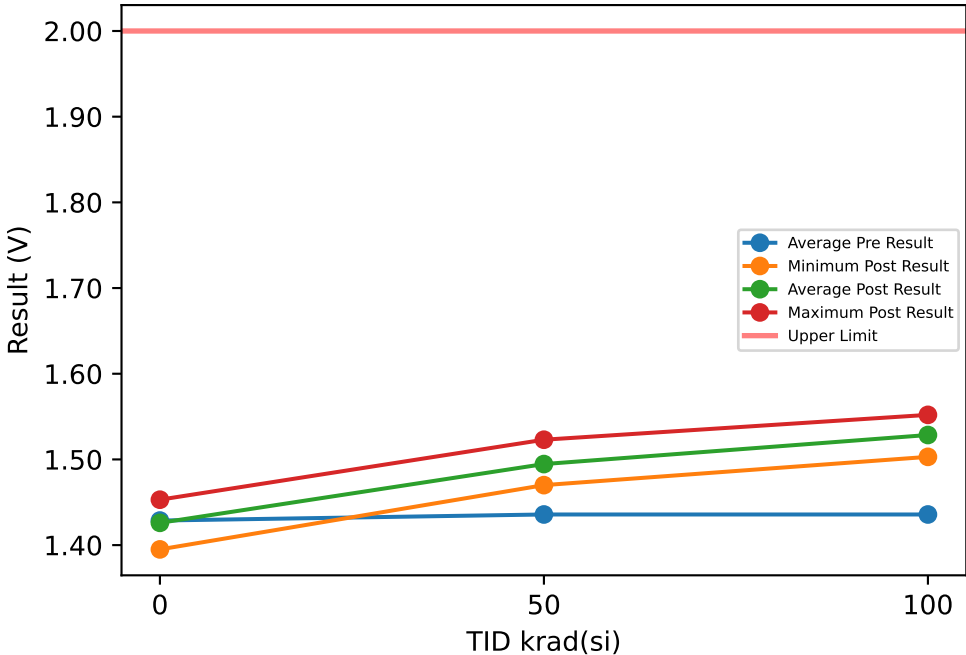


Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 1.4              | 1.4287           | 1.453            | 0.023939         | 1.393             | 1.426             | 1.455             | 0.024282          | -0.008    | -0.0026667 | 0.002     | 0.0051251 |
| 50       | 1.402            | 1.4334           | 1.466            | 0.018535         | 1.459             | 1.4911            | 1.523             | 0.019723          | 0.049     | 0.057667   | 0.068     | 0.0053992 |
| 100      | 1.402            | 1.4334           | 1.466            | 0.018535         | 1.49              | 1.5238            | 1.552             | 0.019078          | 0.082     | 0.090417   | 0.105     | 0.0065983 |

Device Test: 6.141; VIN\_VALID

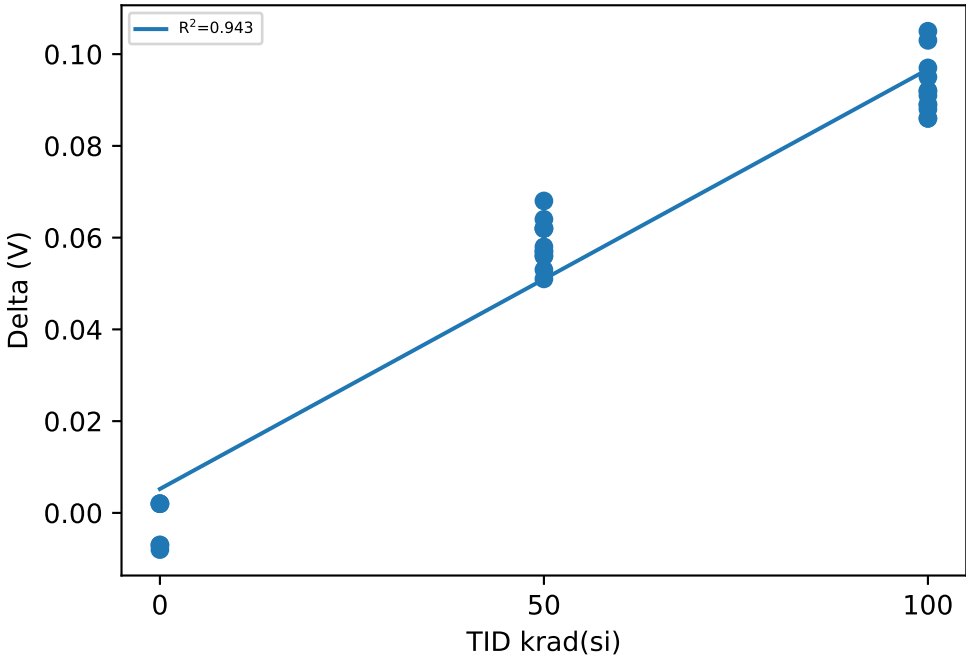
TID vs Result Stats



Test Results (Upper Limit = 2.0 (V))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 1.451      | 1.453       | 0.002  |
| 201      | 0        | Correlation         | 1.433      | 1.435       | 0.002  |
| 202      | 0        | Correlation         | 1.402      | 1.404       | 0.002  |
| 203      | 50       | Biased              | 1.435      | 1.488       | 0.053  |
| 204      | 50       | Biased              | 1.443      | 1.505       | 0.062  |
| 205      | 50       | Biased              | 1.445      | 1.513       | 0.068  |
| 206      | 50       | Biased              | 1.461      | 1.519       | 0.058  |
| 207      | 50       | Biased              | 1.466      | 1.523       | 0.057  |
| 208      | 50       | Biased              | 1.418      | 1.474       | 0.056  |
| 209      | 50       | Unbiased            | 1.414      | 1.47        | 0.056  |
| 210      | 50       | Unbiased            | 1.439      | 1.49        | 0.051  |
| 211      | 50       | Unbiased            | 1.437      | 1.501       | 0.064  |
| 212      | 50       | Unbiased            | 1.42       | 1.482       | 0.062  |
| 213      | 50       | Unbiased            | 1.435      | 1.492       | 0.057  |
| 214      | 50       | Unbiased            | 1.416      | 1.478       | 0.062  |
| 1200     | 0        | Correlation         | 1.451      | 1.443       | -0.008 |
| 1201     | 0        | Correlation         | 1.433      | 1.426       | -0.007 |
| 1202     | 0        | Correlation         | 1.402      | 1.395       | -0.007 |
| 1203     | 100      | Biased              | 1.435      | 1.527       | 0.092  |
| 1204     | 100      | Biased              | 1.443      | 1.531       | 0.088  |
| 1205     | 100      | Biased              | 1.445      | 1.55        | 0.105  |
| 1206     | 100      | Biased              | 1.461      | 1.552       | 0.091  |
| 1207     | 100      | Biased              | 1.466      | 1.552       | 0.086  |
| 1208     | 100      | Biased              | 1.418      | 1.507       | 0.089  |
| 1209     | 100      | Unbiased            | 1.414      | 1.503       | 0.089  |
| 1210     | 100      | Unbiased            | 1.439      | 1.525       | 0.086  |
| 1211     | 100      | Unbiased            | 1.437      | 1.534       | 0.097  |
| 1212     | 100      | Unbiased            | 1.42       | 1.523       | 0.103  |
| 1213     | 100      | Unbiased            | 1.435      | 1.527       | 0.092  |
| 1214     | 100      | Unbiased            | 1.416      | 1.511       | 0.095  |

TID vs Post - Pre Exposure Delta

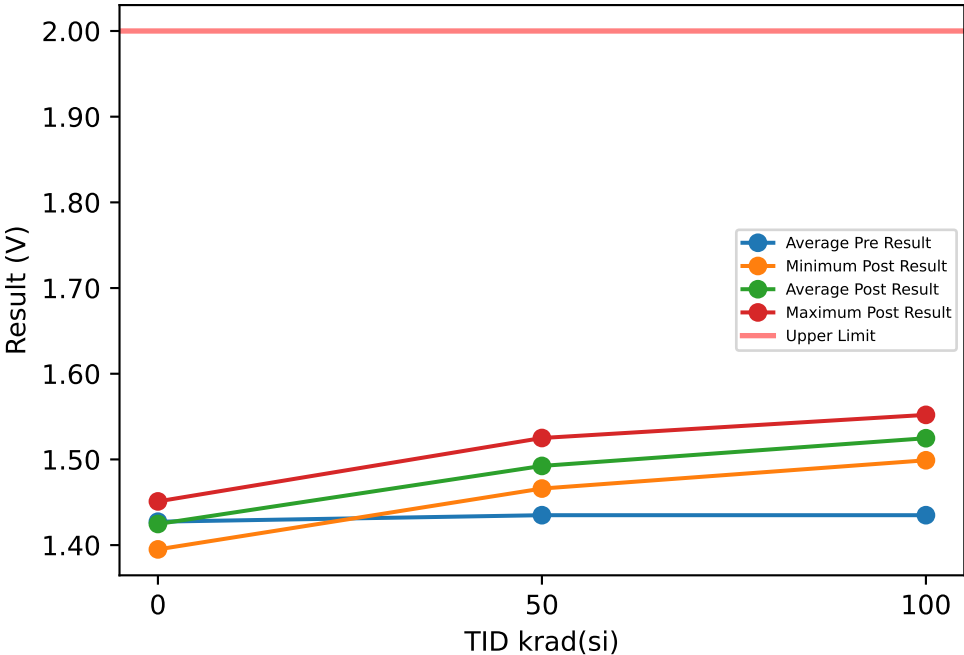


Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 1.402            | 1.4287           | 1.451            | 0.022169         | 1.395             | 1.426             | 1.453             | 0.022557          | -0.008    | -0.0026667 | 0.002     | 0.0051251 |
| 50       | 1.414            | 1.4357           | 1.466            | 0.016869         | 1.47              | 1.4946            | 1.523             | 0.017645          | 0.051     | 0.058833   | 0.068     | 0.0048586 |
| 100      | 1.414            | 1.4357           | 1.466            | 0.016869         | 1.503             | 1.5285            | 1.552             | 0.016703          | 0.086     | 0.09275    | 0.105     | 0.0062103 |

Device Test: 6.142; VIN\_VALID

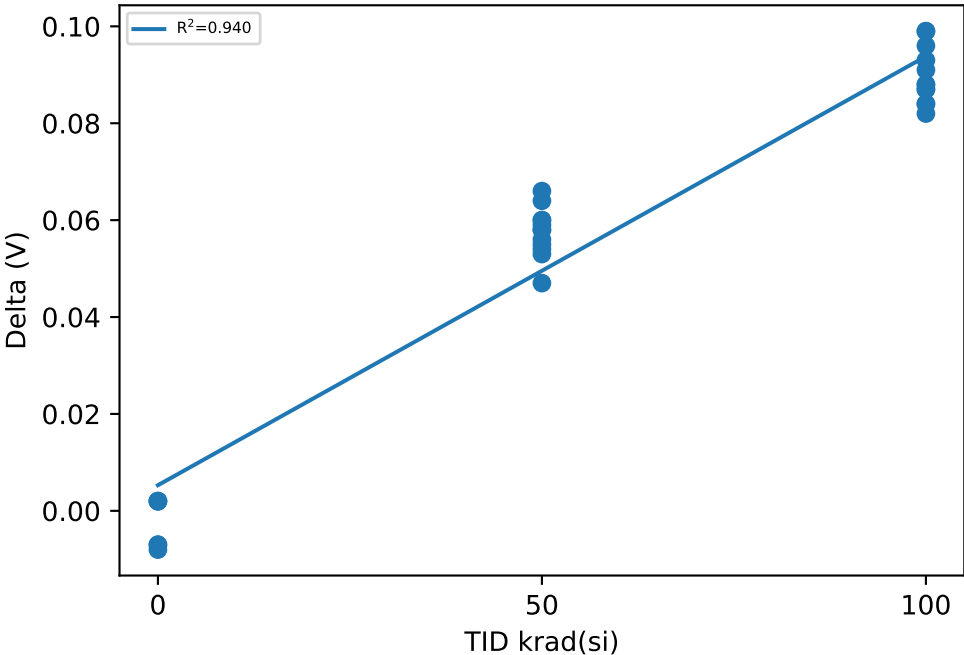
TID vs Result Stats



Test Results (Upper Limit = 2.0 (V))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 1.449      | 1.451       | 0.002  |
| 201      | 0        | Correlation         | 1.431      | 1.433       | 0.002  |
| 202      | 0        | Correlation         | 1.402      | 1.404       | 0.002  |
| 203      | 50       | Biased              | 1.433      | 1.488       | 0.055  |
| 204      | 50       | Biased              | 1.443      | 1.503       | 0.06   |
| 205      | 50       | Biased              | 1.443      | 1.509       | 0.066  |
| 206      | 50       | Biased              | 1.461      | 1.521       | 0.06   |
| 207      | 50       | Biased              | 1.466      | 1.525       | 0.059  |
| 208      | 50       | Biased              | 1.416      | 1.472       | 0.056  |
| 209      | 50       | Unbiased            | 1.412      | 1.466       | 0.054  |
| 210      | 50       | Unbiased            | 1.439      | 1.486       | 0.047  |
| 211      | 50       | Unbiased            | 1.435      | 1.499       | 0.064  |
| 212      | 50       | Unbiased            | 1.42       | 1.478       | 0.058  |
| 213      | 50       | Unbiased            | 1.435      | 1.488       | 0.053  |
| 214      | 50       | Unbiased            | 1.416      | 1.474       | 0.058  |
| 1200     | 0        | Correlation         | 1.449      | 1.441       | -0.008 |
| 1201     | 0        | Correlation         | 1.431      | 1.424       | -0.007 |
| 1202     | 0        | Correlation         | 1.402      | 1.395       | -0.007 |
| 1203     | 100      | Biased              | 1.433      | 1.521       | 0.088  |
| 1204     | 100      | Biased              | 1.443      | 1.527       | 0.084  |
| 1205     | 100      | Biased              | 1.443      | 1.542       | 0.099  |
| 1206     | 100      | Biased              | 1.461      | 1.552       | 0.091  |
| 1207     | 100      | Biased              | 1.466      | 1.55        | 0.084  |
| 1208     | 100      | Biased              | 1.416      | 1.503       | 0.087  |
| 1209     | 100      | Unbiased            | 1.412      | 1.499       | 0.087  |
| 1210     | 100      | Unbiased            | 1.439      | 1.521       | 0.082  |
| 1211     | 100      | Unbiased            | 1.435      | 1.531       | 0.096  |
| 1212     | 100      | Unbiased            | 1.42       | 1.519       | 0.099  |
| 1213     | 100      | Unbiased            | 1.435      | 1.523       | 0.088  |
| 1214     | 100      | Unbiased            | 1.416      | 1.509       | 0.093  |

TID vs Post - Pre Exposure Delta

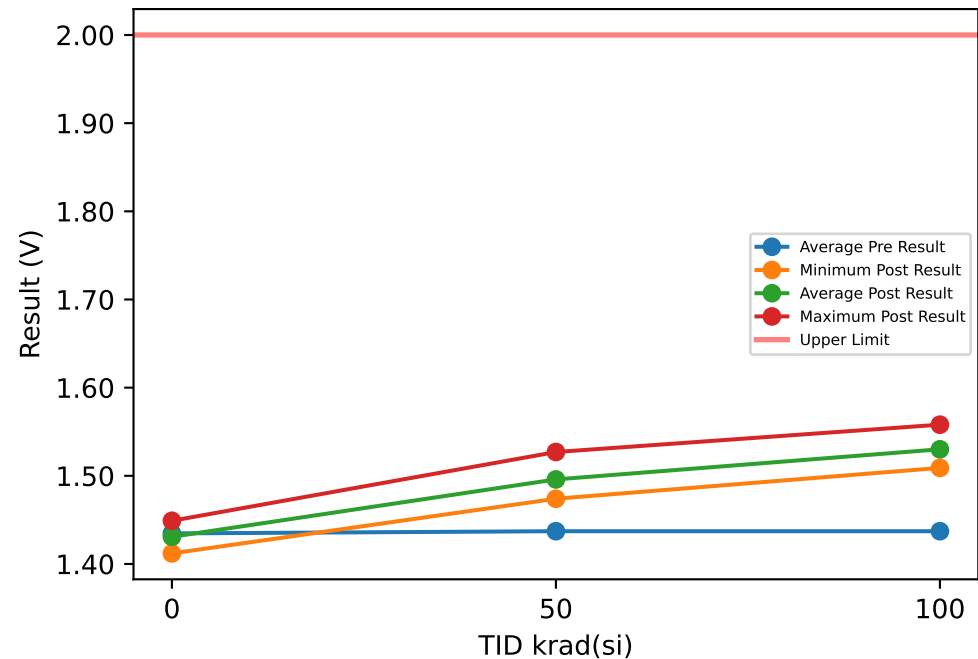


Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 1.402            | 1.4273           | 1.449            | 0.02121          | 1.395             | 1.4247            | 1.451             | 0.021621          | -0.008    | -0.0026667 | 0.002     | 0.0051251 |
| 50       | 1.412            | 1.4349           | 1.466            | 0.017218         | 1.466             | 1.4924            | 1.525             | 0.01919           | 0.047     | 0.0575     | 0.066     | 0.0050543 |
| 100      | 1.412            | 1.4349           | 1.466            | 0.017218         | 1.499             | 1.5248            | 1.552             | 0.016977          | 0.082     | 0.089833   | 0.099     | 0.0057971 |

Device Test: 6.143; VIN\_VALID

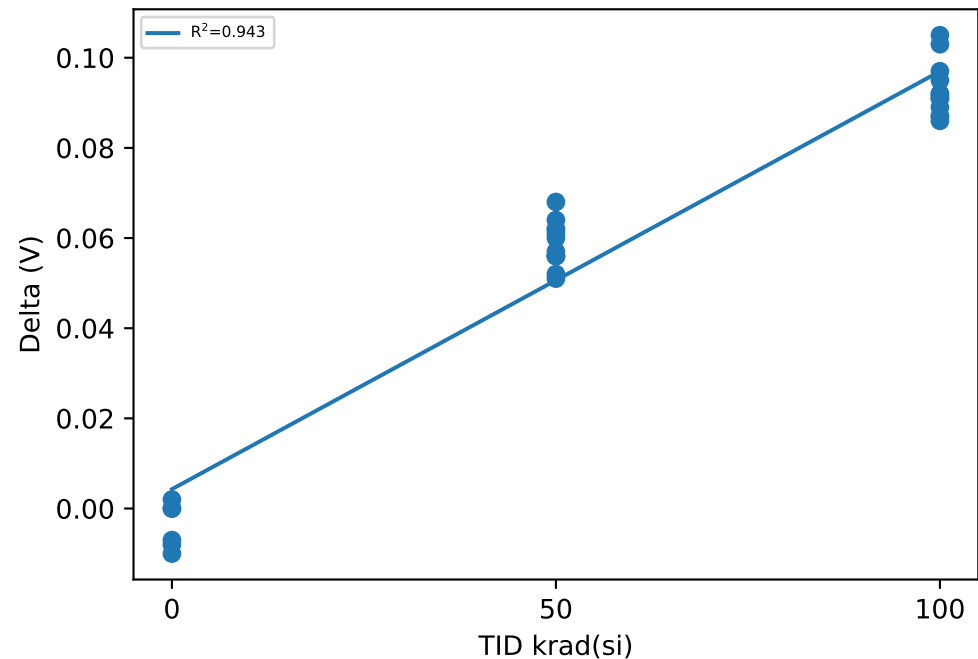
TID vs Result Stats



Test Results (Upper Limit = 2.0 (V))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 1.449      | 1.449       | 0      |
| 201      | 0        | Correlation         | 1.435      | 1.437       | 0.002  |
| 202      | 0        | Correlation         | 1.42       | 1.42        | 0      |
| 203      | 50       | Biased              | 1.426      | 1.478       | 0.052  |
| 204      | 50       | Biased              | 1.447      | 1.509       | 0.062  |
| 205      | 50       | Biased              | 1.441      | 1.509       | 0.068  |
| 206      | 50       | Biased              | 1.466      | 1.527       | 0.061  |
| 207      | 50       | Biased              | 1.465      | 1.521       | 0.056  |
| 208      | 50       | Biased              | 1.418      | 1.474       | 0.056  |
| 209      | 50       | Unbiased            | 1.424      | 1.48        | 0.056  |
| 210      | 50       | Unbiased            | 1.443      | 1.494       | 0.051  |
| 211      | 50       | Unbiased            | 1.435      | 1.499       | 0.064  |
| 212      | 50       | Unbiased            | 1.426      | 1.488       | 0.062  |
| 213      | 50       | Unbiased            | 1.435      | 1.492       | 0.057  |
| 214      | 50       | Unbiased            | 1.42       | 1.48        | 0.06   |
| 1200     | 0        | Correlation         | 1.449      | 1.439       | -0.01  |
| 1201     | 0        | Correlation         | 1.435      | 1.428       | -0.007 |
| 1202     | 0        | Correlation         | 1.42       | 1.412       | -0.008 |
| 1203     | 100      | Biased              | 1.426      | 1.515       | 0.089  |
| 1204     | 100      | Biased              | 1.447      | 1.534       | 0.087  |
| 1205     | 100      | Biased              | 1.441      | 1.546       | 0.105  |
| 1206     | 100      | Biased              | 1.466      | 1.558       | 0.092  |
| 1207     | 100      | Biased              | 1.465      | 1.552       | 0.087  |
| 1208     | 100      | Biased              | 1.418      | 1.509       | 0.091  |
| 1209     | 100      | Unbiased            | 1.424      | 1.515       | 0.091  |
| 1210     | 100      | Unbiased            | 1.443      | 1.529       | 0.086  |
| 1211     | 100      | Unbiased            | 1.435      | 1.532       | 0.097  |
| 1212     | 100      | Unbiased            | 1.426      | 1.529       | 0.103  |
| 1213     | 100      | Unbiased            | 1.435      | 1.527       | 0.092  |
| 1214     | 100      | Unbiased            | 1.42       | 1.515       | 0.095  |

TID vs Post - Pre Exposure Delta



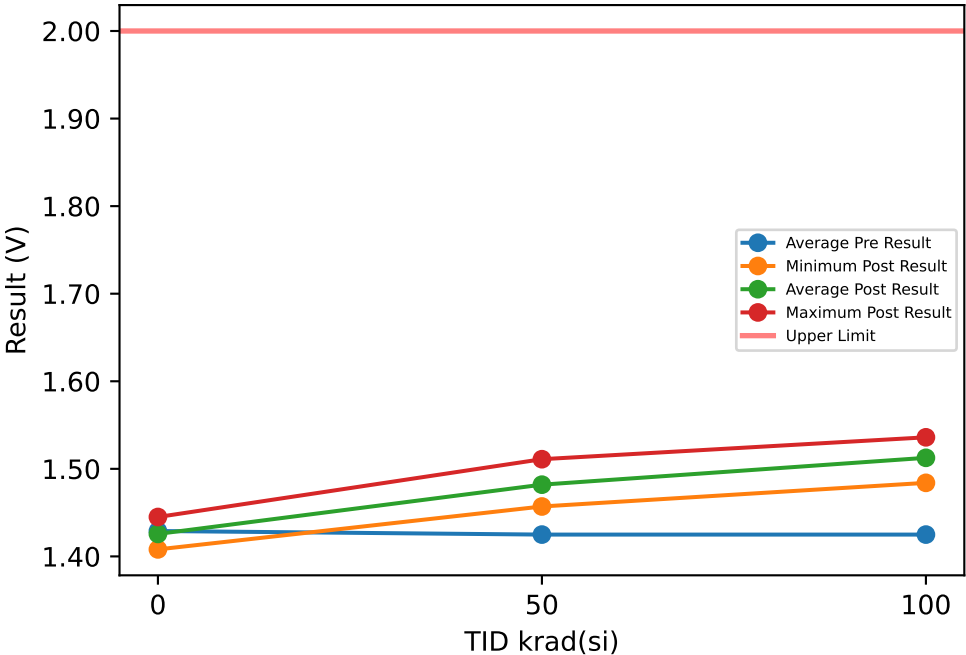
Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 1.42             | 1.4347           | 1.449            | 0.012972         | 1.412             | 1.4308            | 1.449             | 0.013527          | -0.01     | -0.0038333 | 0.002     | 0.0050761 |
| 50       | 1.418            | 1.4372           | 1.466            | 0.016084         | 1.474             | 1.4959            | 1.527             | 0.017417          | 0.051     | 0.05875    | 0.068     | 0.0049749 |
| 100      | 1.418            | 1.4372           | 1.466            | 0.016084         | 1.509             | 1.5301            | 1.558             | 0.015582          | 0.086     | 0.092917   | 0.105     | 0.006112  |



Device Test: 6.144; VIN\_VALID

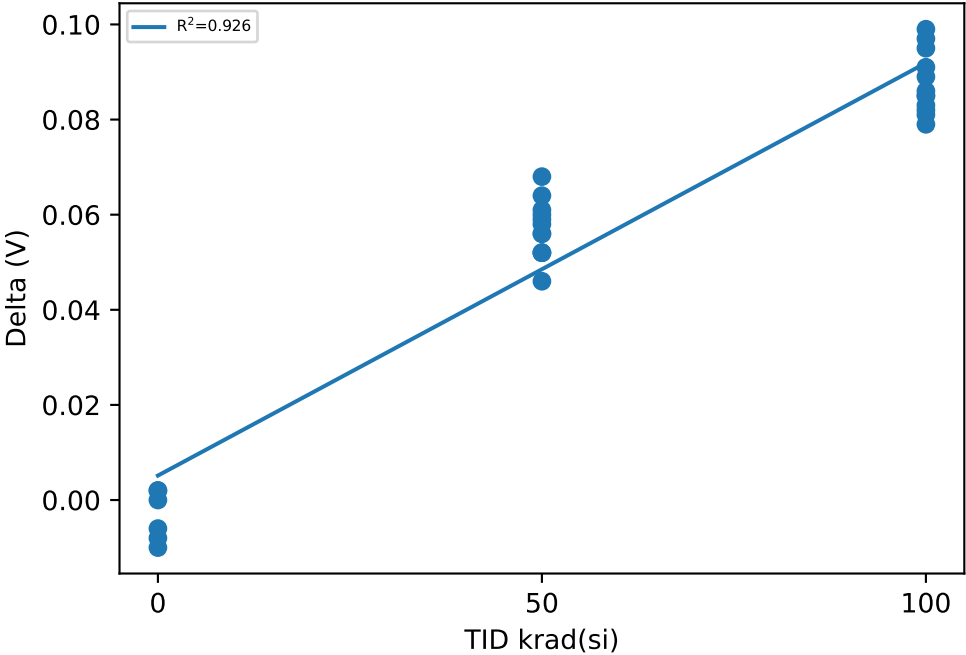
TID vs Result Stats



Test Results (Upper Limit = 2.0 (V))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 1.445      | 1.445       | 0      |
| 201      | 0        | Correlation         | 1.416      | 1.418       | 0.002  |
| 202      | 0        | Correlation         | 1.426      | 1.428       | 0.002  |
| 203      | 50       | Biased              | 1.43       | 1.482       | 0.052  |
| 204      | 50       | Biased              | 1.431      | 1.492       | 0.061  |
| 205      | 50       | Biased              | 1.422      | 1.49        | 0.068  |
| 206      | 50       | Biased              | 1.447      | 1.507       | 0.06   |
| 207      | 50       | Biased              | 1.455      | 1.511       | 0.056  |
| 208      | 50       | Biased              | 1.398      | 1.457       | 0.059  |
| 209      | 50       | Unbiased            | 1.414      | 1.466       | 0.052  |
| 210      | 50       | Unbiased            | 1.42       | 1.466       | 0.046  |
| 211      | 50       | Unbiased            | 1.422      | 1.486       | 0.064  |
| 212      | 50       | Unbiased            | 1.414      | 1.472       | 0.058  |
| 213      | 50       | Unbiased            | 1.42       | 1.472       | 0.052  |
| 214      | 50       | Unbiased            | 1.426      | 1.482       | 0.056  |
| 1200     | 0        | Correlation         | 1.445      | 1.435       | -0.01  |
| 1201     | 0        | Correlation         | 1.416      | 1.408       | -0.008 |
| 1202     | 0        | Correlation         | 1.426      | 1.42        | -0.006 |
| 1203     | 100      | Biased              | 1.43       | 1.513       | 0.083  |
| 1204     | 100      | Biased              | 1.431      | 1.513       | 0.082  |
| 1205     | 100      | Biased              | 1.422      | 1.521       | 0.099  |
| 1206     | 100      | Biased              | 1.447      | 1.536       | 0.089  |
| 1207     | 100      | Biased              | 1.455      | 1.536       | 0.081  |
| 1208     | 100      | Biased              | 1.398      | 1.484       | 0.086  |
| 1209     | 100      | Unbiased            | 1.414      | 1.499       | 0.085  |
| 1210     | 100      | Unbiased            | 1.42       | 1.499       | 0.079  |
| 1211     | 100      | Unbiased            | 1.422      | 1.517       | 0.095  |
| 1212     | 100      | Unbiased            | 1.414      | 1.511       | 0.097  |
| 1213     | 100      | Unbiased            | 1.42       | 1.505       | 0.085  |
| 1214     | 100      | Unbiased            | 1.426      | 1.517       | 0.091  |

TID vs Post - Pre Exposure Delta

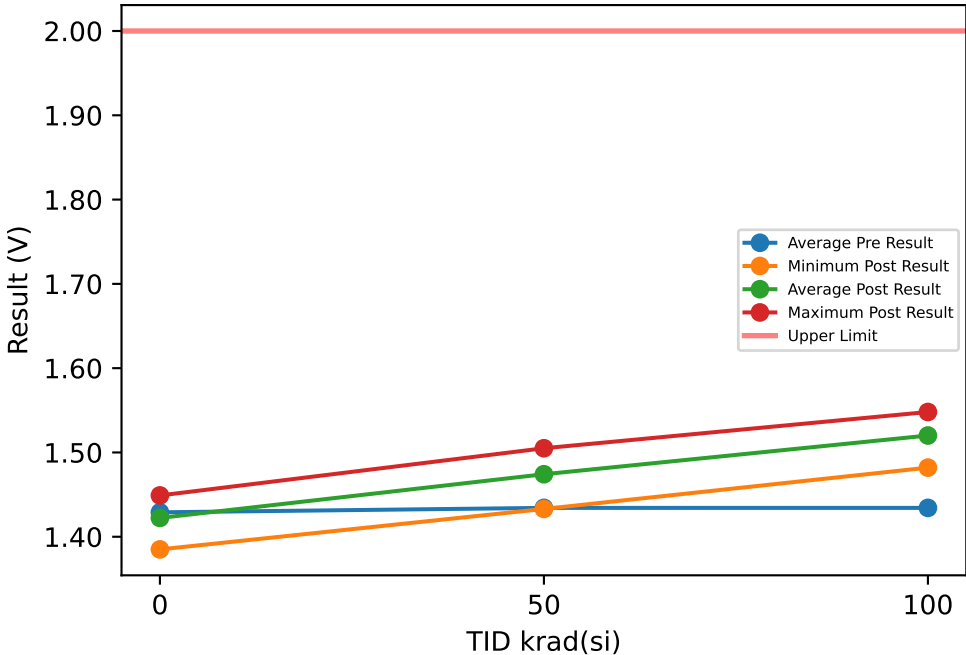


Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 1.416            | 1.429            | 1.445            | 0.013176         | 1.408             | 1.4257            | 1.445             | 0.013186          | -0.01     | -0.0033333 | 0.002     | 0.0053166 |
| 50       | 1.398            | 1.4249           | 1.455            | 0.01503          | 1.457             | 1.4819            | 1.511             | 0.016467          | 0.046     | 0.057      | 0.068     | 0.0060151 |
| 100      | 1.398            | 1.4249           | 1.455            | 0.01503          | 1.484             | 1.5126            | 1.536             | 0.014933          | 0.079     | 0.087667   | 0.099     | 0.0065551 |

Device Test: 6.145; VIN\_VALID

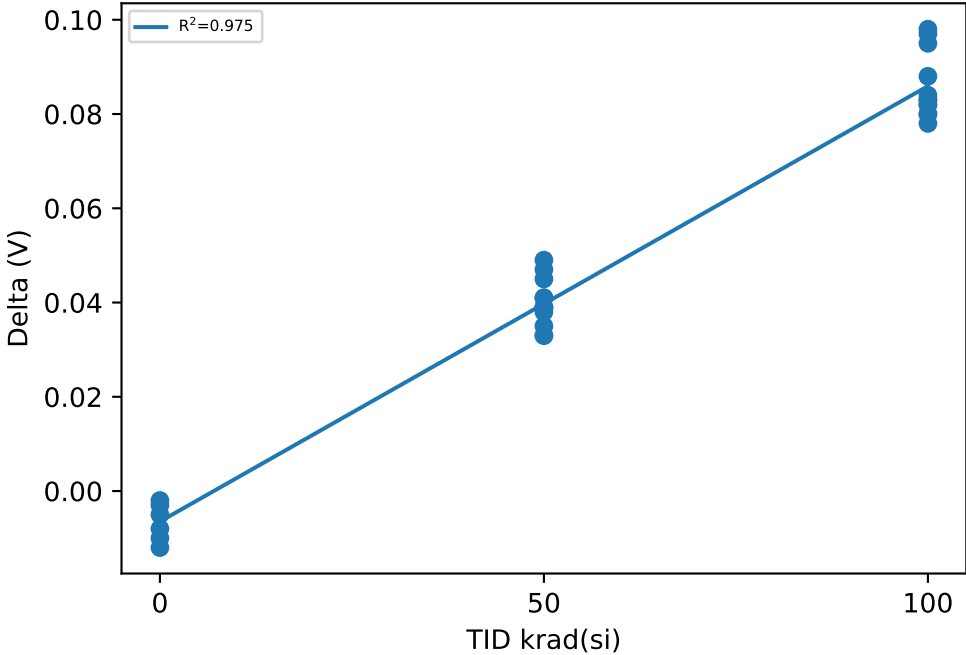
TID vs Result Stats



Test Results (Upper Limit = 2.0 (V))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 1.457      | 1.449       | -0.008 |
| 201      | 0        | Correlation         | 1.433      | 1.43        | -0.003 |
| 202      | 0        | Correlation         | 1.397      | 1.385       | -0.012 |
| 203      | 50       | Biased              | 1.435      | 1.468       | 0.033  |
| 204      | 50       | Biased              | 1.449      | 1.49        | 0.041  |
| 205      | 50       | Biased              | 1.449      | 1.498       | 0.049  |
| 206      | 50       | Biased              | 1.463      | 1.501       | 0.038  |
| 207      | 50       | Biased              | 1.466      | 1.505       | 0.039  |
| 208      | 50       | Biased              | 1.418      | 1.457       | 0.039  |
| 209      | 50       | Unbiased            | 1.398      | 1.433       | 0.035  |
| 210      | 50       | Unbiased            | 1.439      | 1.472       | 0.033  |
| 211      | 50       | Unbiased            | 1.433      | 1.48        | 0.047  |
| 212      | 50       | Unbiased            | 1.418      | 1.463       | 0.045  |
| 213      | 50       | Unbiased            | 1.433      | 1.472       | 0.039  |
| 214      | 50       | Unbiased            | 1.41       | 1.451       | 0.041  |
| 1200     | 0        | Correlation         | 1.457      | 1.447       | -0.01  |
| 1201     | 0        | Correlation         | 1.433      | 1.428       | -0.005 |
| 1202     | 0        | Correlation         | 1.397      | 1.395       | -0.002 |
| 1203     | 100      | Biased              | 1.435      | 1.515       | 0.08   |
| 1204     | 100      | Biased              | 1.449      | 1.527       | 0.078  |
| 1205     | 100      | Biased              | 1.449      | 1.544       | 0.095  |
| 1206     | 100      | Biased              | 1.463      | 1.546       | 0.083  |
| 1207     | 100      | Biased              | 1.466      | 1.548       | 0.082  |
| 1208     | 100      | Biased              | 1.418      | 1.501       | 0.083  |
| 1209     | 100      | Unbiased            | 1.398      | 1.482       | 0.084  |
| 1210     | 100      | Unbiased            | 1.439      | 1.519       | 0.08   |
| 1211     | 100      | Unbiased            | 1.433      | 1.531       | 0.098  |
| 1212     | 100      | Unbiased            | 1.418      | 1.515       | 0.097  |
| 1213     | 100      | Unbiased            | 1.433      | 1.515       | 0.082  |
| 1214     | 100      | Unbiased            | 1.41       | 1.498       | 0.088  |

TID vs Post - Pre Exposure Delta

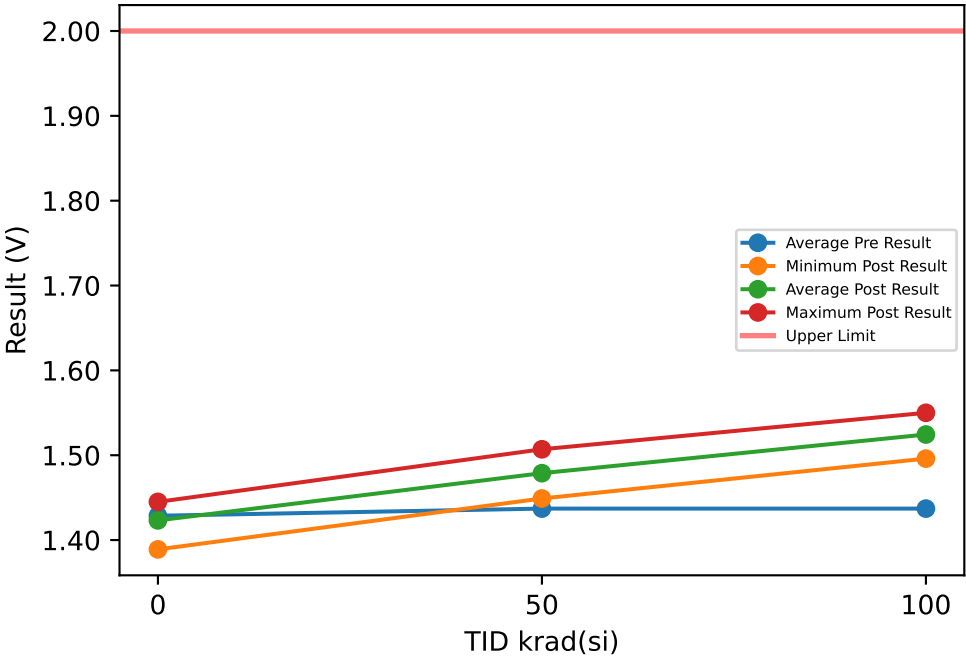


Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 1.397            | 1.429            | 1.457            | 0.027011         | 1.385             | 1.4223            | 1.449             | 0.026651          | -0.012    | -0.0066667 | -0.002    | 0.0039833 |
| 50       | 1.398            | 1.4342           | 1.466            | 0.020728         | 1.433             | 1.4742            | 1.505             | 0.021788          | 0.033     | 0.039917   | 0.049     | 0.0051072 |
| 100      | 1.398            | 1.4342           | 1.466            | 0.020728         | 1.482             | 1.5201            | 1.548             | 0.020385          | 0.078     | 0.085833   | 0.098     | 0.0070043 |

Device Test: 6.146; VIN\_VALID

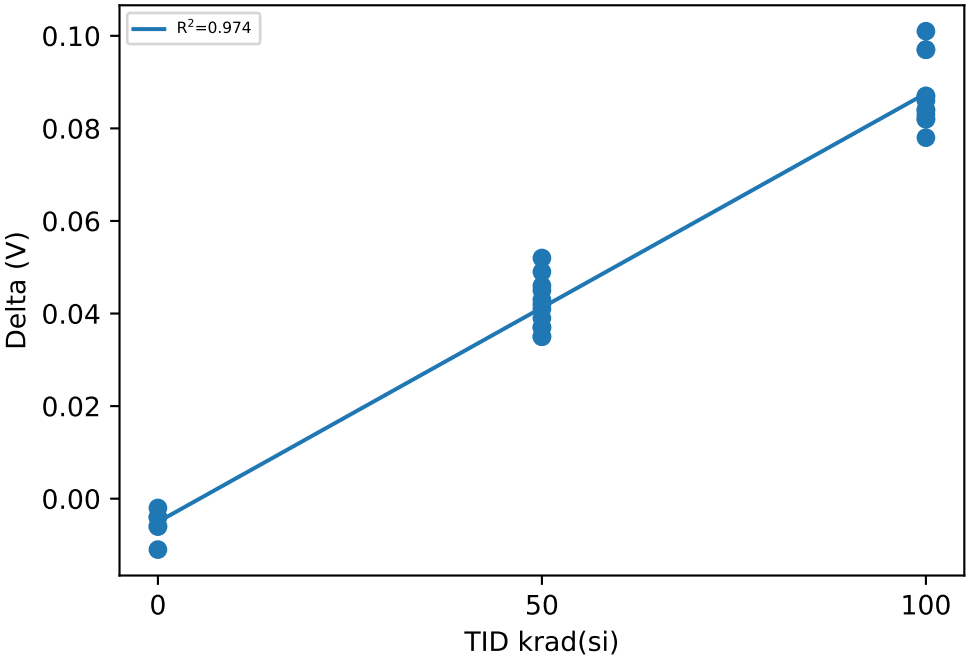
TID vs Result Stats



Test Results (Upper Limit = 2.0 (V))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 1.451      | 1.445       | -0.006 |
| 201      | 0        | Correlation         | 1.435      | 1.431       | -0.004 |
| 202      | 0        | Correlation         | 1.4        | 1.389       | -0.011 |
| 203      | 50       | Biased              | 1.435      | 1.472       | 0.037  |
| 204      | 50       | Biased              | 1.445      | 1.49        | 0.045  |
| 205      | 50       | Biased              | 1.447      | 1.499       | 0.052  |
| 206      | 50       | Biased              | 1.463      | 1.505       | 0.042  |
| 207      | 50       | Biased              | 1.472      | 1.507       | 0.035  |
| 208      | 50       | Biased              | 1.42       | 1.461       | 0.041  |
| 209      | 50       | Unbiased            | 1.41       | 1.449       | 0.039  |
| 210      | 50       | Unbiased            | 1.441      | 1.476       | 0.035  |
| 211      | 50       | Unbiased            | 1.437      | 1.486       | 0.049  |
| 212      | 50       | Unbiased            | 1.42       | 1.466       | 0.046  |
| 213      | 50       | Unbiased            | 1.441      | 1.478       | 0.037  |
| 214      | 50       | Unbiased            | 1.414      | 1.457       | 0.043  |
| 1200     | 0        | Correlation         | 1.451      | 1.445       | -0.006 |
| 1201     | 0        | Correlation         | 1.435      | 1.431       | -0.004 |
| 1202     | 0        | Correlation         | 1.4        | 1.398       | -0.002 |
| 1203     | 100      | Biased              | 1.435      | 1.519       | 0.084  |
| 1204     | 100      | Biased              | 1.445      | 1.529       | 0.084  |
| 1205     | 100      | Biased              | 1.447      | 1.548       | 0.101  |
| 1206     | 100      | Biased              | 1.463      | 1.55        | 0.087  |
| 1207     | 100      | Biased              | 1.472      | 1.55        | 0.078  |
| 1208     | 100      | Biased              | 1.42       | 1.503       | 0.083  |
| 1209     | 100      | Unbiased            | 1.41       | 1.496       | 0.086  |
| 1210     | 100      | Unbiased            | 1.441      | 1.523       | 0.082  |
| 1211     | 100      | Unbiased            | 1.437      | 1.534       | 0.097  |
| 1212     | 100      | Unbiased            | 1.42       | 1.517       | 0.097  |
| 1213     | 100      | Unbiased            | 1.441      | 1.523       | 0.082  |
| 1214     | 100      | Unbiased            | 1.414      | 1.501       | 0.087  |

TID vs Post - Pre Exposure Delta

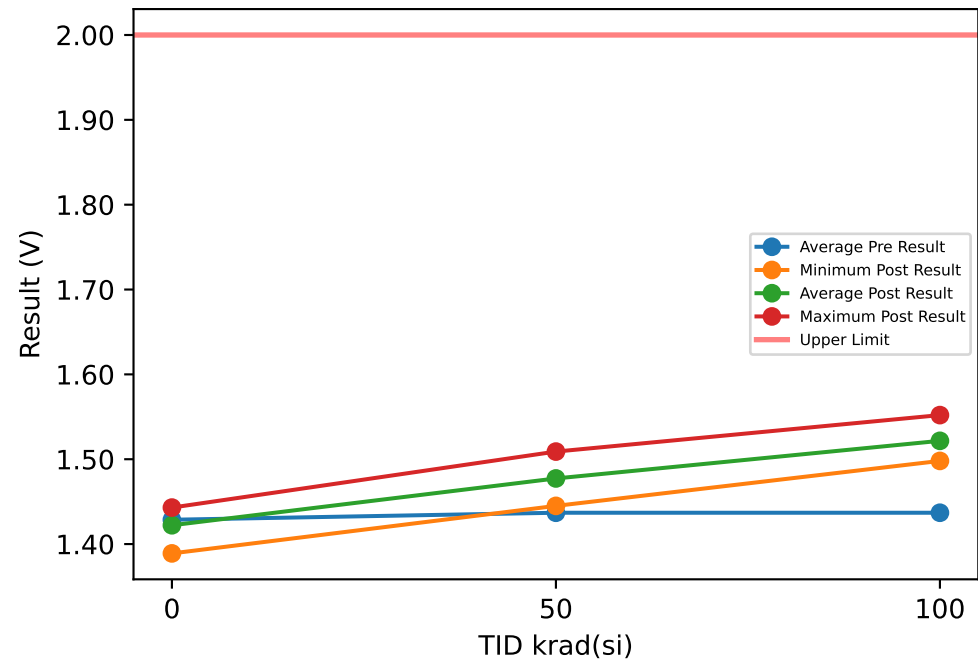


Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 1.4              | 1.4287           | 1.451            | 0.02333          | 1.389             | 1.4232            | 1.445             | 0.023987          | -0.011    | -0.0055   | -0.002    | 0.0030822 |
| 50       | 1.41             | 1.4371           | 1.472            | 0.018918         | 1.449             | 1.4788            | 1.507             | 0.018987          | 0.035     | 0.04175   | 0.052     | 0.0054959 |
| 100      | 1.41             | 1.4371           | 1.472            | 0.018918         | 1.496             | 1.5244            | 1.55              | 0.018783          | 0.078     | 0.087333  | 0.101     | 0.0071393 |

Device Test: 6.147; VIN\_VALID

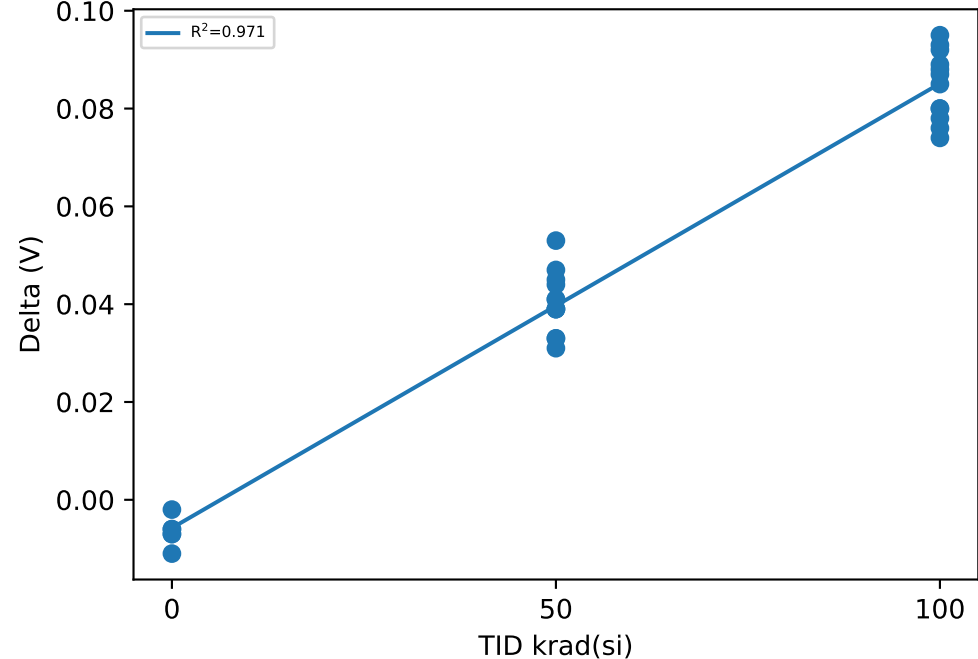
TID vs Result Stats



Test Results (Upper Limit = 2.0 (V))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 1.449      | 1.443       | -0.006 |
| 201      | 0        | Correlation         | 1.437      | 1.43        | -0.007 |
| 202      | 0        | Correlation         | 1.4        | 1.389       | -0.011 |
| 203      | 50       | Biased              | 1.439      | 1.47        | 0.031  |
| 204      | 50       | Biased              | 1.445      | 1.49        | 0.045  |
| 205      | 50       | Biased              | 1.445      | 1.498       | 0.053  |
| 206      | 50       | Biased              | 1.463      | 1.507       | 0.044  |
| 207      | 50       | Biased              | 1.468      | 1.509       | 0.041  |
| 208      | 50       | Biased              | 1.422      | 1.461       | 0.039  |
| 209      | 50       | Unbiased            | 1.412      | 1.445       | 0.033  |
| 210      | 50       | Unbiased            | 1.439      | 1.472       | 0.033  |
| 211      | 50       | Unbiased            | 1.437      | 1.484       | 0.047  |
| 212      | 50       | Unbiased            | 1.42       | 1.461       | 0.041  |
| 213      | 50       | Unbiased            | 1.437      | 1.476       | 0.039  |
| 214      | 50       | Unbiased            | 1.416      | 1.455       | 0.039  |
| 1200     | 0        | Correlation         | 1.449      | 1.443       | -0.006 |
| 1201     | 0        | Correlation         | 1.437      | 1.43        | -0.007 |
| 1202     | 0        | Correlation         | 1.4        | 1.398       | -0.002 |
| 1203     | 100      | Biased              | 1.439      | 1.513       | 0.074  |
| 1204     | 100      | Biased              | 1.445      | 1.525       | 0.08   |
| 1205     | 100      | Biased              | 1.445      | 1.54        | 0.095  |
| 1206     | 100      | Biased              | 1.463      | 1.552       | 0.089  |
| 1207     | 100      | Biased              | 1.468      | 1.546       | 0.078  |
| 1208     | 100      | Biased              | 1.422      | 1.498       | 0.076  |
| 1209     | 100      | Unbiased            | 1.412      | 1.499       | 0.087  |
| 1210     | 100      | Unbiased            | 1.439      | 1.519       | 0.08   |
| 1211     | 100      | Unbiased            | 1.437      | 1.529       | 0.092  |
| 1212     | 100      | Unbiased            | 1.42       | 1.513       | 0.093  |
| 1213     | 100      | Unbiased            | 1.437      | 1.525       | 0.088  |
| 1214     | 100      | Unbiased            | 1.416      | 1.501       | 0.085  |

TID vs Post - Pre Exposure Delta

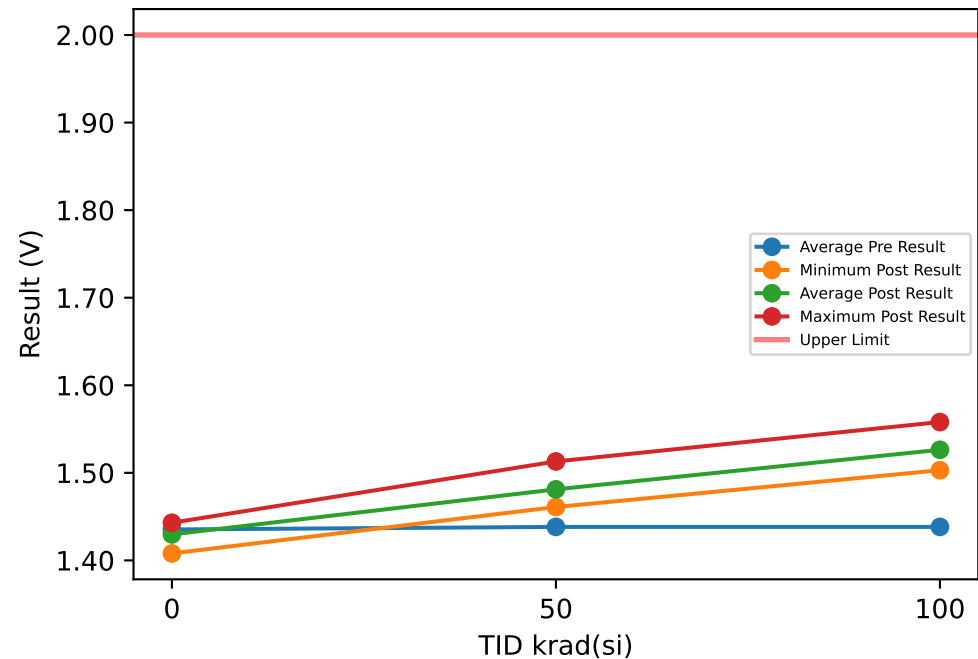


Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 1.4              | 1.4287           | 1.449            | 0.022844         | 1.389             | 1.4222            | 1.443             | 0.023129          | -0.011    | -0.0065   | -0.002    | 0.002881  |
| 50       | 1.412            | 1.4369           | 1.468            | 0.017459         | 1.445             | 1.4773            | 1.509             | 0.020619          | 0.031     | 0.040417  | 0.053     | 0.0063311 |
| 100      | 1.412            | 1.4369           | 1.468            | 0.017459         | 1.498             | 1.5217            | 1.552             | 0.018047          | 0.074     | 0.08475   | 0.095     | 0.0070211 |

Device Test: 6.148; VIN\_VALID

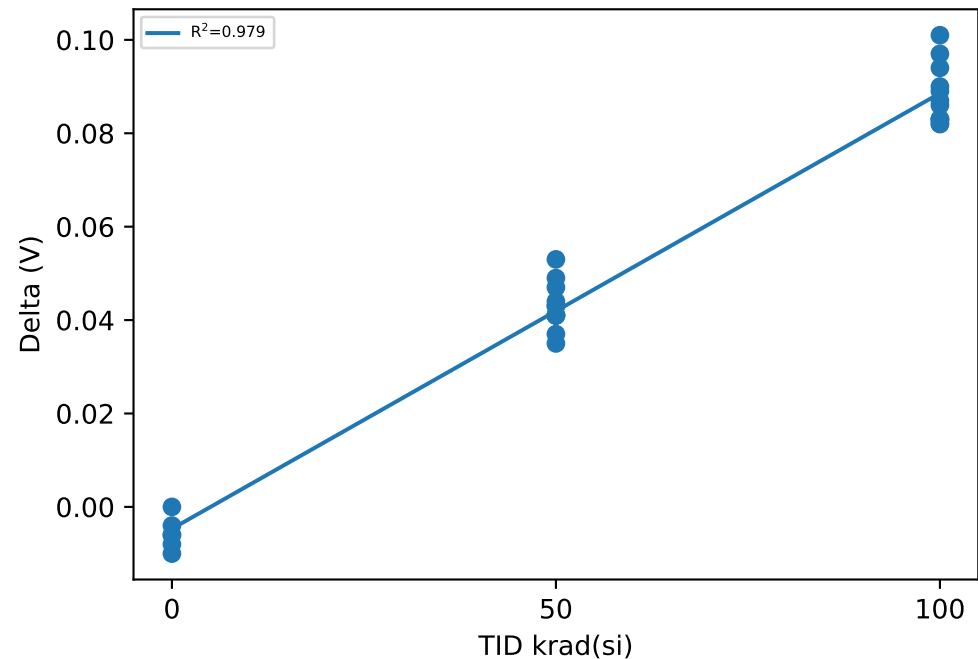
TID vs Result Stats



Test Results (Upper Limit = 2.0 (V))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 1.449      | 1.443       | -0.006 |
| 201      | 0        | Correlation         | 1.439      | 1.439       | 0      |
| 202      | 0        | Correlation         | 1.418      | 1.408       | -0.01  |
| 203      | 50       | Biased              | 1.424      | 1.461       | 0.037  |
| 204      | 50       | Biased              | 1.449      | 1.496       | 0.047  |
| 205      | 50       | Biased              | 1.443      | 1.496       | 0.053  |
| 206      | 50       | Biased              | 1.472      | 1.513       | 0.041  |
| 207      | 50       | Biased              | 1.466      | 1.507       | 0.041  |
| 208      | 50       | Biased              | 1.42       | 1.463       | 0.043  |
| 209      | 50       | Unbiased            | 1.422      | 1.463       | 0.041  |
| 210      | 50       | Unbiased            | 1.443      | 1.478       | 0.035  |
| 211      | 50       | Unbiased            | 1.437      | 1.486       | 0.049  |
| 212      | 50       | Unbiased            | 1.428      | 1.472       | 0.044  |
| 213      | 50       | Unbiased            | 1.437      | 1.478       | 0.041  |
| 214      | 50       | Unbiased            | 1.418      | 1.461       | 0.043  |
| 1200     | 0        | Correlation         | 1.449      | 1.443       | -0.006 |
| 1201     | 0        | Correlation         | 1.439      | 1.431       | -0.008 |
| 1202     | 0        | Correlation         | 1.418      | 1.414       | -0.004 |
| 1203     | 100      | Biased              | 1.424      | 1.507       | 0.083  |
| 1204     | 100      | Biased              | 1.449      | 1.532       | 0.083  |
| 1205     | 100      | Biased              | 1.443      | 1.544       | 0.101  |
| 1206     | 100      | Biased              | 1.472      | 1.558       | 0.086  |
| 1207     | 100      | Biased              | 1.466      | 1.548       | 0.082  |
| 1208     | 100      | Biased              | 1.42       | 1.503       | 0.083  |
| 1209     | 100      | Unbiased            | 1.422      | 1.509       | 0.087  |
| 1210     | 100      | Unbiased            | 1.443      | 1.525       | 0.082  |
| 1211     | 100      | Unbiased            | 1.437      | 1.531       | 0.094  |
| 1212     | 100      | Unbiased            | 1.428      | 1.525       | 0.097  |
| 1213     | 100      | Unbiased            | 1.437      | 1.527       | 0.09   |
| 1214     | 100      | Unbiased            | 1.418      | 1.507       | 0.089  |

TID vs Post - Pre Exposure Delta

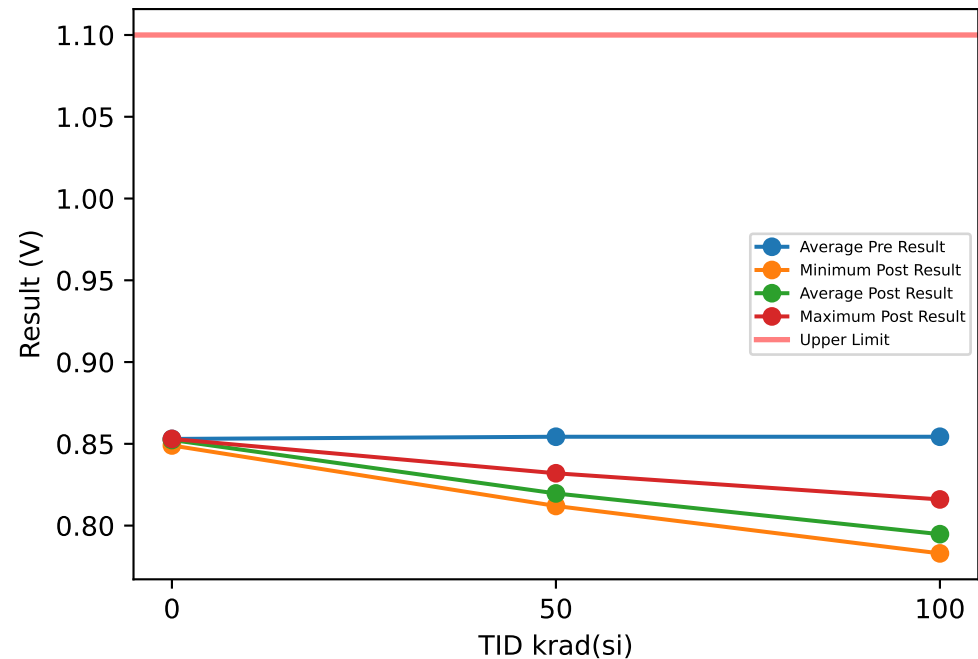


Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 1.418            | 1.4353           | 1.449            | 0.014152         | 1.408             | 1.4297            | 1.443             | 0.015227          | -0.01     | -0.0056667 | 0         | 0.0034448 |
| 50       | 1.418            | 1.4383           | 1.472            | 0.017551         | 1.461             | 1.4812            | 1.513             | 0.018394          | 0.035     | 0.042917   | 0.053     | 0.0049444 |
| 100      | 1.418            | 1.4383           | 1.472            | 0.017551         | 1.503             | 1.5263            | 1.558             | 0.01767           | 0.082     | 0.088083   | 0.101     | 0.0063455 |

Device Test: 6.149; VPULLUP\_VALID

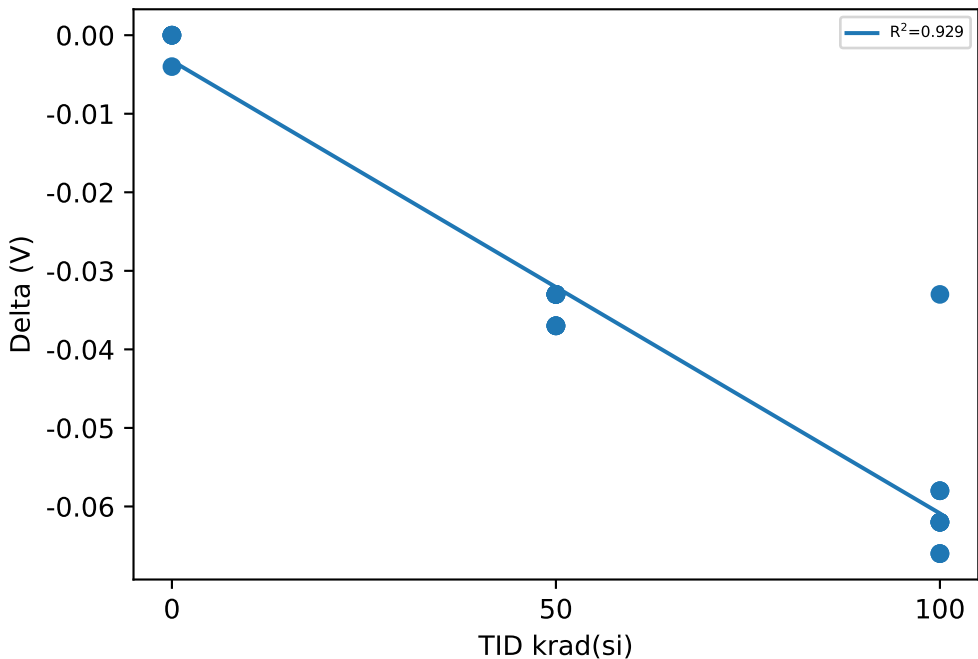
TID vs Result Stats



Test Results (Upper Limit = 1.1 (V))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.853      | 0.853       | 0      |
| 201      | 0        | Correlation         | 0.853      | 0.853       | 0      |
| 202      | 0        | Correlation         | 0.853      | 0.853       | 0      |
| 203      | 50       | Biased              | 0.861      | 0.828       | -0.033 |
| 204      | 50       | Biased              | 0.853      | 0.82        | -0.033 |
| 205      | 50       | Biased              | 0.861      | 0.828       | -0.033 |
| 206      | 50       | Biased              | 0.849      | 0.816       | -0.033 |
| 207      | 50       | Biased              | 0.865      | 0.832       | -0.033 |
| 208      | 50       | Biased              | 0.853      | 0.82        | -0.033 |
| 209      | 50       | Unbiased            | 0.853      | 0.816       | -0.037 |
| 210      | 50       | Unbiased            | 0.849      | 0.816       | -0.033 |
| 211      | 50       | Unbiased            | 0.853      | 0.816       | -0.037 |
| 212      | 50       | Unbiased            | 0.849      | 0.812       | -0.037 |
| 213      | 50       | Unbiased            | 0.849      | 0.812       | -0.037 |
| 214      | 50       | Unbiased            | 0.857      | 0.82        | -0.037 |
| 1200     | 0        | Correlation         | 0.853      | 0.853       | 0      |
| 1201     | 0        | Correlation         | 0.853      | 0.853       | 0      |
| 1202     | 0        | Correlation         | 0.853      | 0.849       | -0.004 |
| 1203     | 100      | Biased              | 0.861      | 0.799       | -0.062 |
| 1204     | 100      | Biased              | 0.853      | 0.795       | -0.058 |
| 1205     | 100      | Biased              | 0.861      | 0.799       | -0.062 |
| 1206     | 100      | Biased              | 0.849      | 0.816       | -0.033 |
| 1207     | 100      | Biased              | 0.865      | 0.803       | -0.062 |
| 1208     | 100      | Biased              | 0.853      | 0.795       | -0.058 |
| 1209     | 100      | Unbiased            | 0.853      | 0.787       | -0.066 |
| 1210     | 100      | Unbiased            | 0.849      | 0.791       | -0.058 |
| 1211     | 100      | Unbiased            | 0.853      | 0.791       | -0.062 |
| 1212     | 100      | Unbiased            | 0.849      | 0.783       | -0.066 |
| 1213     | 100      | Unbiased            | 0.849      | 0.783       | -0.066 |
| 1214     | 100      | Unbiased            | 0.857      | 0.795       | -0.062 |

TID vs Post - Pre Exposure Delta



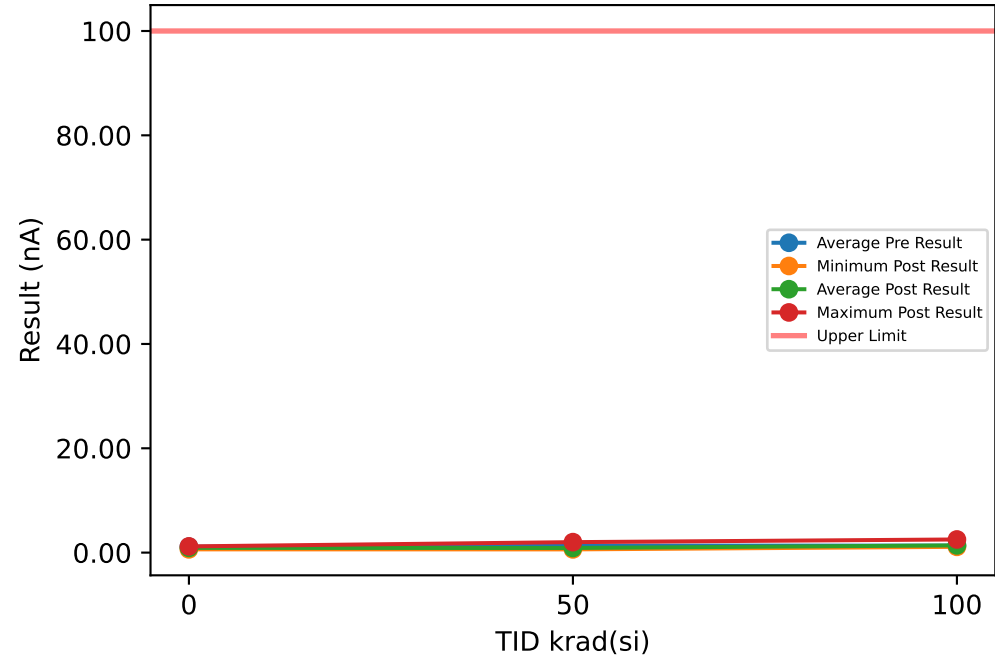
Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|-----------|
| 0        | 0.853            | 0.853            | 0.853            | 0                | 0.849             | 0.85233           | 0.853             | 0.001633          | -0.004    | -0.00066667 | 0         | 0.001633  |
| 50       | 0.849            | 0.85433          | 0.865            | 0.0054828        | 0.812             | 0.81967           | 0.832             | 0.0064854         | -0.037    | -0.034667   | -0.033    | 0.0020597 |
| 100      | 0.849            | 0.85433          | 0.865            | 0.0054828        | 0.783             | 0.79475           | 0.816             | 0.0091465         | -0.066    | -0.059583   | -0.033    | 0.0088775 |

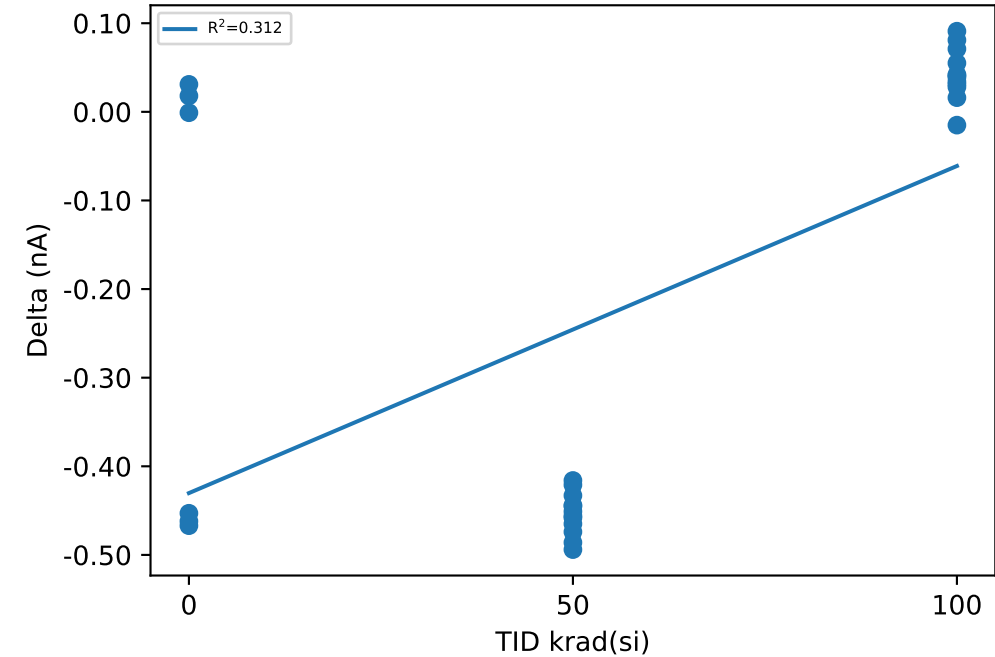


Device Test: 6.15 ; ILKG\_SR\_UVLO

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

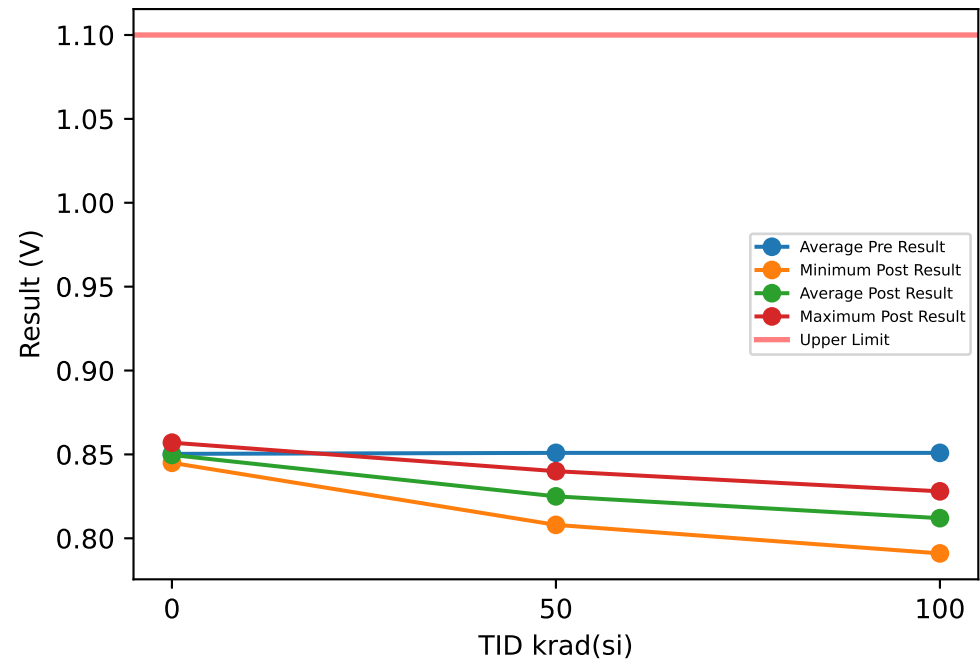
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 1.174      | 0.721       | -0.453 |
| 201      | 0        | Correlation         | 1.089      | 0.622       | -0.467 |
| 202      | 0        | Correlation         | 1.125      | 0.663       | -0.462 |
| 203      | 50       | Biased              | 1.502      | 1.044       | -0.458 |
| 204      | 50       | Biased              | 1.084      | 0.633       | -0.451 |
| 205      | 50       | Biased              | 1.107      | 0.691       | -0.416 |
| 206      | 50       | Biased              | 2.429      | 2.008       | -0.421 |
| 207      | 50       | Biased              | 1.252      | 0.807       | -0.445 |
| 208      | 50       | Biased              | 1.093      | 0.637       | -0.456 |
| 209      | 50       | Unbiased            | 1.199      | 0.734       | -0.465 |
| 210      | 50       | Unbiased            | 1.09       | 0.616       | -0.474 |
| 211      | 50       | Unbiased            | 1.858      | 1.414       | -0.444 |
| 212      | 50       | Unbiased            | 1.231      | 0.737       | -0.494 |
| 213      | 50       | Unbiased            | 1.118      | 0.685       | -0.433 |
| 214      | 50       | Unbiased            | 1.126      | 0.64        | -0.486 |
| 1200     | 0        | Correlation         | 1.174      | 1.192       | 0.018  |
| 1201     | 0        | Correlation         | 1.089      | 1.088       | -0.001 |
| 1202     | 0        | Correlation         | 1.125      | 1.156       | 0.031  |
| 1203     | 100      | Biased              | 1.502      | 1.557       | 0.055  |
| 1204     | 100      | Biased              | 1.084      | 1.115       | 0.031  |
| 1205     | 100      | Biased              | 1.107      | 1.149       | 0.042  |
| 1206     | 100      | Biased              | 2.429      | 2.52        | 0.091  |
| 1207     | 100      | Biased              | 1.252      | 1.28        | 0.028  |
| 1208     | 100      | Biased              | 1.093      | 1.164       | 0.071  |
| 1209     | 100      | Unbiased            | 1.199      | 1.233       | 0.034  |
| 1210     | 100      | Unbiased            | 1.09       | 1.106       | 0.016  |
| 1211     | 100      | Unbiased            | 1.858      | 1.939       | 0.081  |
| 1212     | 100      | Unbiased            | 1.231      | 1.27        | 0.039  |
| 1213     | 100      | Unbiased            | 1.118      | 1.159       | 0.041  |
| 1214     | 100      | Unbiased            | 1.126      | 1.111       | -0.015 |

Test Statistics (nA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 1.089            | 1.1293           | 1.174            | 0.038161         | 0.622             | 0.907             | 1.192             | 0.26508           | -0.467    | -0.22233  | 0.031     | 0.26132   |
| 50       | 1.084            | 1.3407           | 2.429            | 0.41103          | 0.616             | 0.88717           | 2.008             | 0.42126           | -0.494    | -0.45358  | -0.416    | 0.023983  |
| 100      | 1.084            | 1.3407           | 2.429            | 0.41103          | 1.106             | 1.3836            | 2.52              | 0.43207           | -0.015    | 0.042833  | 0.091     | 0.028982  |

Device Test: 6.150; VPULLUP\_VALID

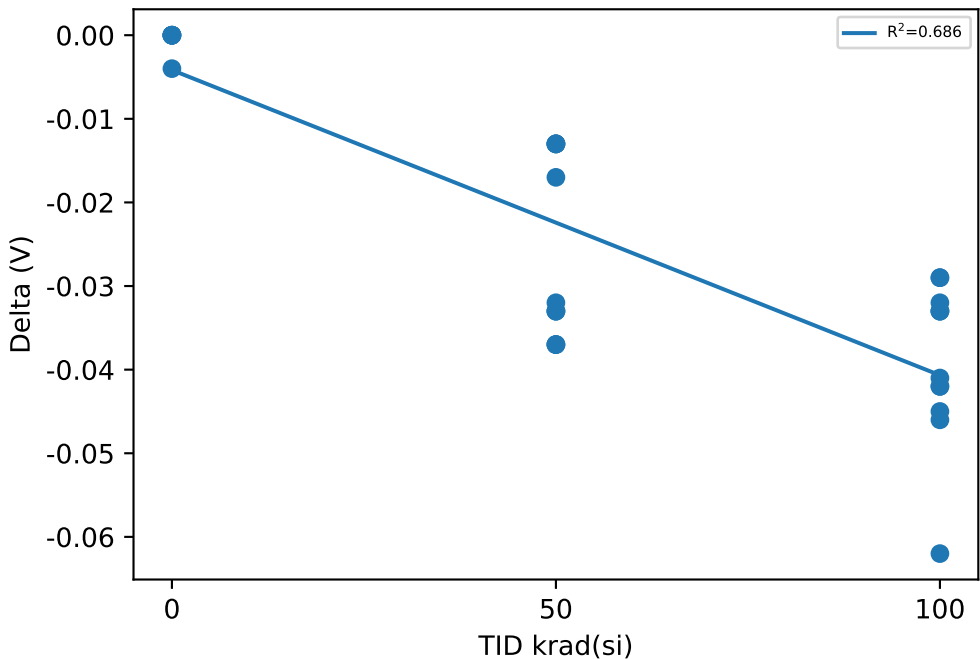
TID vs Result Stats



Test Results (Upper Limit = 1.1 (V))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.857      | 0.853       | -0.004 |
| 201      | 0        | Correlation         | 0.849      | 0.849       | 0      |
| 202      | 0        | Correlation         | 0.845      | 0.845       | 0      |
| 203      | 50       | Biased              | 0.861      | 0.828       | -0.033 |
| 204      | 50       | Biased              | 0.849      | 0.816       | -0.033 |
| 205      | 50       | Biased              | 0.857      | 0.82        | -0.037 |
| 206      | 50       | Biased              | 0.84       | 0.808       | -0.032 |
| 207      | 50       | Biased              | 0.861      | 0.824       | -0.037 |
| 208      | 50       | Biased              | 0.849      | 0.816       | -0.033 |
| 209      | 50       | Unbiased            | 0.853      | 0.836       | -0.017 |
| 210      | 50       | Unbiased            | 0.845      | 0.832       | -0.013 |
| 211      | 50       | Unbiased            | 0.853      | 0.816       | -0.037 |
| 212      | 50       | Unbiased            | 0.845      | 0.832       | -0.013 |
| 213      | 50       | Unbiased            | 0.845      | 0.832       | -0.013 |
| 214      | 50       | Unbiased            | 0.853      | 0.84        | -0.013 |
| 1200     | 0        | Correlation         | 0.857      | 0.857       | 0      |
| 1201     | 0        | Correlation         | 0.849      | 0.849       | 0      |
| 1202     | 0        | Correlation         | 0.845      | 0.845       | 0      |
| 1203     | 100      | Biased              | 0.861      | 0.828       | -0.033 |
| 1204     | 100      | Biased              | 0.849      | 0.82        | -0.029 |
| 1205     | 100      | Biased              | 0.857      | 0.824       | -0.033 |
| 1206     | 100      | Biased              | 0.84       | 0.808       | -0.032 |
| 1207     | 100      | Biased              | 0.861      | 0.828       | -0.033 |
| 1208     | 100      | Biased              | 0.849      | 0.82        | -0.029 |
| 1209     | 100      | Unbiased            | 0.853      | 0.808       | -0.045 |
| 1210     | 100      | Unbiased            | 0.845      | 0.803       | -0.042 |
| 1211     | 100      | Unbiased            | 0.853      | 0.791       | -0.062 |
| 1212     | 100      | Unbiased            | 0.845      | 0.803       | -0.042 |
| 1213     | 100      | Unbiased            | 0.845      | 0.799       | -0.046 |
| 1214     | 100      | Unbiased            | 0.853      | 0.812       | -0.041 |

TID vs Post - Pre Exposure Delta

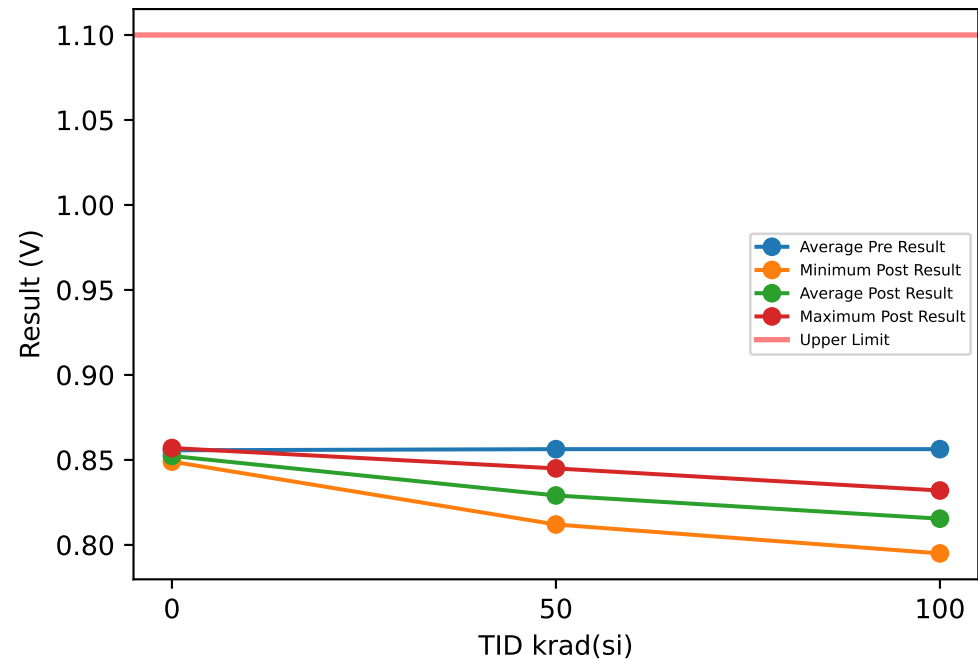


Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|-----------|
| 0        | 0.845            | 0.85033          | 0.857            | 0.005465         | 0.845             | 0.84967           | 0.857             | 0.0046762         | -0.004    | -0.00066667 | 0         | 0.001633  |
| 50       | 0.84             | 0.85092          | 0.861            | 0.0066395        | 0.808             | 0.825             | 0.84              | 0.0098165         | -0.037    | -0.025917   | -0.013    | 0.010883  |
| 100      | 0.84             | 0.85092          | 0.861            | 0.0066395        | 0.791             | 0.812             | 0.828             | 0.012015          | -0.062    | -0.038917   | -0.029    | 0.0095008 |

Device Test: 6.151; VPULLUP\_VALID

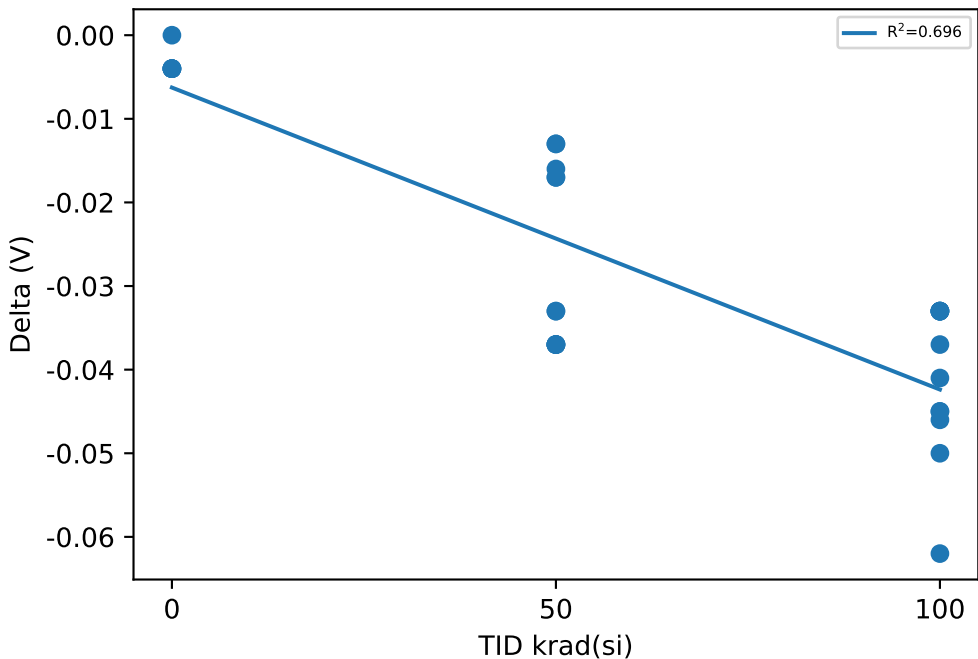
TID vs Result Stats



Test Results (Upper Limit = 1.1 (V))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.861      | 0.857       | -0.004 |
| 201      | 0        | Correlation         | 0.853      | 0.849       | -0.004 |
| 202      | 0        | Correlation         | 0.853      | 0.849       | -0.004 |
| 203      | 50       | Biased              | 0.865      | 0.828       | -0.037 |
| 204      | 50       | Biased              | 0.857      | 0.82        | -0.037 |
| 205      | 50       | Biased              | 0.861      | 0.824       | -0.037 |
| 206      | 50       | Biased              | 0.849      | 0.812       | -0.037 |
| 207      | 50       | Biased              | 0.861      | 0.828       | -0.033 |
| 208      | 50       | Biased              | 0.857      | 0.824       | -0.033 |
| 209      | 50       | Unbiased            | 0.857      | 0.84        | -0.017 |
| 210      | 50       | Unbiased            | 0.849      | 0.836       | -0.013 |
| 211      | 50       | Unbiased            | 0.857      | 0.82        | -0.037 |
| 212      | 50       | Unbiased            | 0.849      | 0.836       | -0.013 |
| 213      | 50       | Unbiased            | 0.853      | 0.836       | -0.017 |
| 214      | 50       | Unbiased            | 0.861      | 0.845       | -0.016 |
| 1200     | 0        | Correlation         | 0.861      | 0.857       | -0.004 |
| 1201     | 0        | Correlation         | 0.853      | 0.849       | -0.004 |
| 1202     | 0        | Correlation         | 0.853      | 0.853       | 0      |
| 1203     | 100      | Biased              | 0.865      | 0.832       | -0.033 |
| 1204     | 100      | Biased              | 0.857      | 0.824       | -0.033 |
| 1205     | 100      | Biased              | 0.861      | 0.828       | -0.033 |
| 1206     | 100      | Biased              | 0.849      | 0.812       | -0.037 |
| 1207     | 100      | Biased              | 0.861      | 0.828       | -0.033 |
| 1208     | 100      | Biased              | 0.857      | 0.824       | -0.033 |
| 1209     | 100      | Unbiased            | 0.857      | 0.812       | -0.045 |
| 1210     | 100      | Unbiased            | 0.849      | 0.808       | -0.041 |
| 1211     | 100      | Unbiased            | 0.857      | 0.795       | -0.062 |
| 1212     | 100      | Unbiased            | 0.849      | 0.803       | -0.046 |
| 1213     | 100      | Unbiased            | 0.853      | 0.803       | -0.05  |
| 1214     | 100      | Unbiased            | 0.861      | 0.816       | -0.045 |

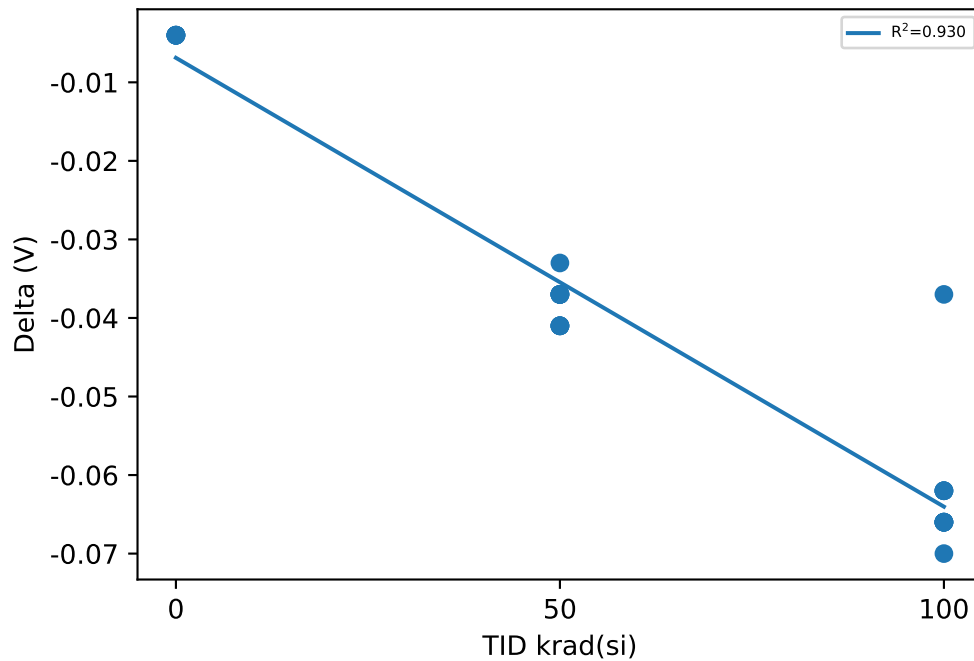
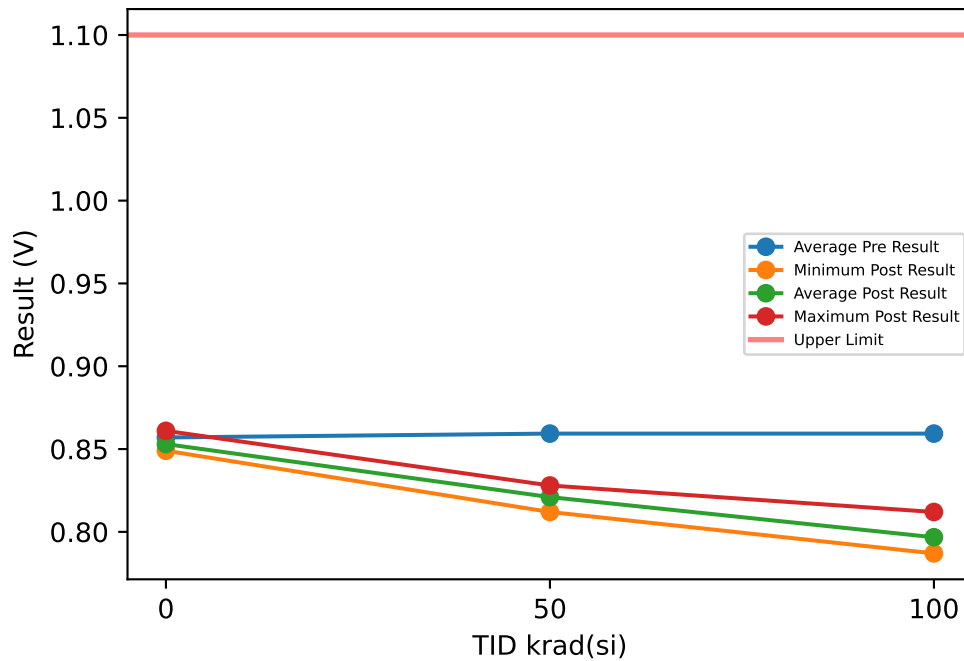
TID vs Post - Pre Exposure Delta



Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 0.853            | 0.85567          | 0.861            | 0.0041312        | 0.849             | 0.85233           | 0.857             | 0.0039328         | -0.004    | -0.0033333 | 0         | 0.001633  |
| 50       | 0.849            | 0.85633          | 0.865            | 0.0053485        | 0.812             | 0.82908           | 0.845             | 0.0096621         | -0.037    | -0.02725   | -0.013    | 0.010805  |
| 100      | 0.849            | 0.85633          | 0.865            | 0.0053485        | 0.795             | 0.81542           | 0.832             | 0.011843          | -0.062    | -0.040917  | -0.033    | 0.00912   |

Device Test: 6.152; VPULLUP\_VALID



### Test Results (Upper Limit = 1.1 (V))

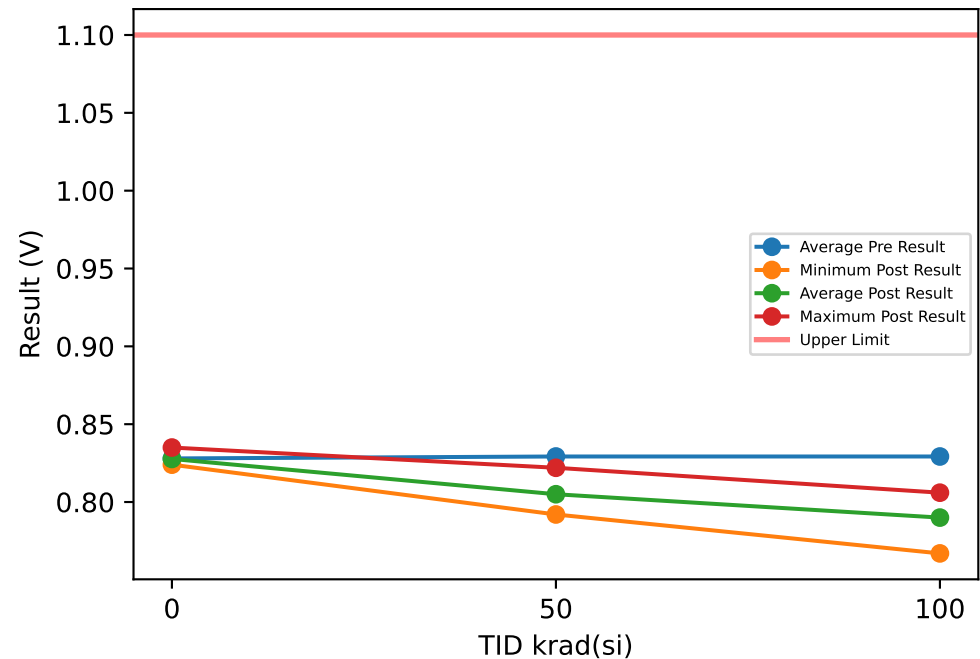
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.865      | 0.861       | -0.004 |
| 201      | 0        | Correlation         | 0.853      | 0.849       | -0.004 |
| 202      | 0        | Correlation         | 0.853      | 0.849       | -0.004 |
| 203      | 50       | Biased              | 0.865      | 0.828       | -0.037 |
| 204      | 50       | Biased              | 0.857      | 0.824       | -0.033 |
| 205      | 50       | Biased              | 0.861      | 0.824       | -0.037 |
| 206      | 50       | Biased              | 0.849      | 0.812       | -0.037 |
| 207      | 50       | Biased              | 0.865      | 0.828       | -0.037 |
| 208      | 50       | Biased              | 0.865      | 0.828       | -0.037 |
| 209      | 50       | Unbiased            | 0.861      | 0.82        | -0.041 |
| 210      | 50       | Unbiased            | 0.857      | 0.816       | -0.041 |
| 211      | 50       | Unbiased            | 0.857      | 0.82        | -0.037 |
| 212      | 50       | Unbiased            | 0.857      | 0.816       | -0.041 |
| 213      | 50       | Unbiased            | 0.857      | 0.816       | -0.041 |
| 214      | 50       | Unbiased            | 0.861      | 0.82        | -0.041 |
| 1200     | 0        | Correlation         | 0.865      | 0.861       | -0.004 |
| 1201     | 0        | Correlation         | 0.853      | 0.849       | -0.004 |
| 1202     | 0        | Correlation         | 0.853      | 0.849       | -0.004 |
| 1203     | 100      | Biased              | 0.865      | 0.799       | -0.066 |
| 1204     | 100      | Biased              | 0.857      | 0.795       | -0.062 |
| 1205     | 100      | Biased              | 0.861      | 0.799       | -0.062 |
| 1206     | 100      | Biased              | 0.849      | 0.812       | -0.037 |
| 1207     | 100      | Biased              | 0.865      | 0.799       | -0.066 |
| 1208     | 100      | Biased              | 0.865      | 0.803       | -0.062 |
| 1209     | 100      | Unbiased            | 0.861      | 0.795       | -0.066 |
| 1210     | 100      | Unbiased            | 0.857      | 0.791       | -0.066 |
| 1211     | 100      | Unbiased            | 0.857      | 0.795       | -0.062 |
| 1212     | 100      | Unbiased            | 0.857      | 0.791       | -0.066 |
| 1213     | 100      | Unbiased            | 0.857      | 0.787       | -0.07  |
| 1214     | 100      | Unbiased            | 0.861      | 0.795       | -0.066 |

Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 0.853            | 0.857            | 0.865            | 0.0061968        | 0.849             | 0.853             | 0.861             | 0.0061968         | -0.004    | -0.004    | -0.004    | 0         |
| 50       | 0.849            | 0.85933          | 0.865            | 0.004658         | 0.812             | 0.821             | 0.828             | 0.0054272         | -0.041    | -0.038333 | -0.033    | 0.0026054 |
| 100      | 0.849            | 0.85933          | 0.865            | 0.004658         | 0.787             | 0.79675           | 0.812             | 0.0064685         | -0.07     | -0.062583 | -0.037    | 0.0084257 |

Device Test: 6.153; VPULLUP\_VALID

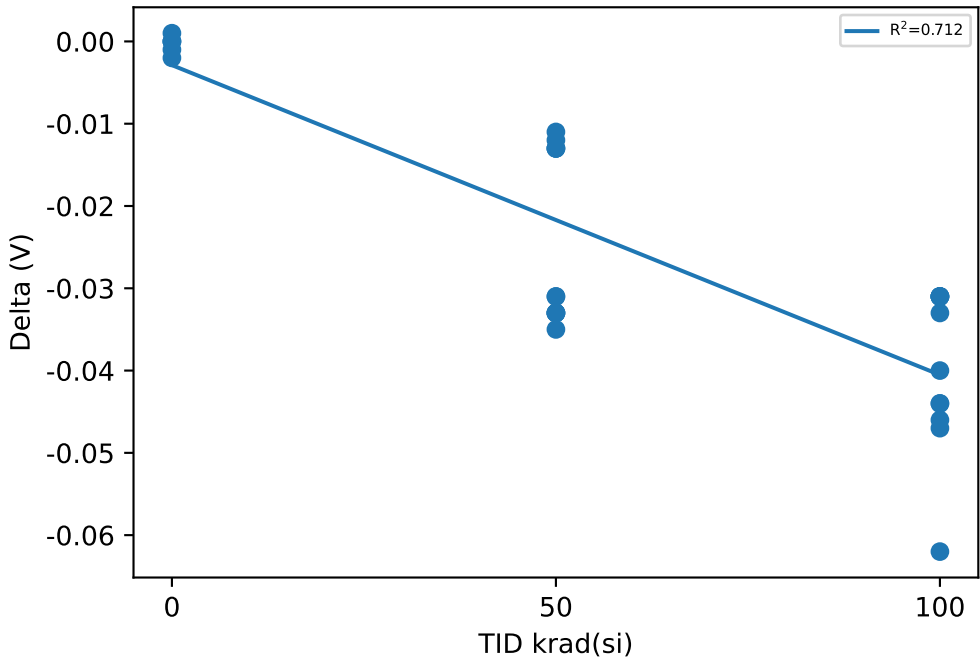
TID vs Result Stats



Test Results (Upper Limit = 1.1 (V))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.835      | 0.835       | 0      |
| 201      | 0        | Correlation         | 0.825      | 0.825       | 0      |
| 202      | 0        | Correlation         | 0.824      | 0.825       | 0.001  |
| 203      | 50       | Biased              | 0.831      | 0.798       | -0.033 |
| 204      | 50       | Biased              | 0.825      | 0.792       | -0.033 |
| 205      | 50       | Biased              | 0.837      | 0.804       | -0.033 |
| 206      | 50       | Biased              | 0.825      | 0.792       | -0.033 |
| 207      | 50       | Biased              | 0.837      | 0.806       | -0.031 |
| 208      | 50       | Biased              | 0.829      | 0.798       | -0.031 |
| 209      | 50       | Unbiased            | 0.827      | 0.814       | -0.013 |
| 210      | 50       | Unbiased            | 0.829      | 0.818       | -0.011 |
| 211      | 50       | Unbiased            | 0.829      | 0.794       | -0.035 |
| 212      | 50       | Unbiased            | 0.822      | 0.81        | -0.012 |
| 213      | 50       | Unbiased            | 0.825      | 0.812       | -0.013 |
| 214      | 50       | Unbiased            | 0.835      | 0.822       | -0.013 |
| 1200     | 0        | Correlation         | 0.835      | 0.833       | -0.002 |
| 1201     | 0        | Correlation         | 0.825      | 0.824       | -0.001 |
| 1202     | 0        | Correlation         | 0.824      | 0.824       | 0      |
| 1203     | 100      | Biased              | 0.831      | 0.8         | -0.031 |
| 1204     | 100      | Biased              | 0.825      | 0.794       | -0.031 |
| 1205     | 100      | Biased              | 0.837      | 0.806       | -0.031 |
| 1206     | 100      | Biased              | 0.825      | 0.792       | -0.033 |
| 1207     | 100      | Biased              | 0.837      | 0.806       | -0.031 |
| 1208     | 100      | Biased              | 0.829      | 0.798       | -0.031 |
| 1209     | 100      | Unbiased            | 0.827      | 0.783       | -0.044 |
| 1210     | 100      | Unbiased            | 0.829      | 0.789       | -0.04  |
| 1211     | 100      | Unbiased            | 0.829      | 0.767       | -0.062 |
| 1212     | 100      | Unbiased            | 0.822      | 0.775       | -0.047 |
| 1213     | 100      | Unbiased            | 0.825      | 0.779       | -0.046 |
| 1214     | 100      | Unbiased            | 0.835      | 0.791       | -0.044 |

TID vs Post - Pre Exposure Delta

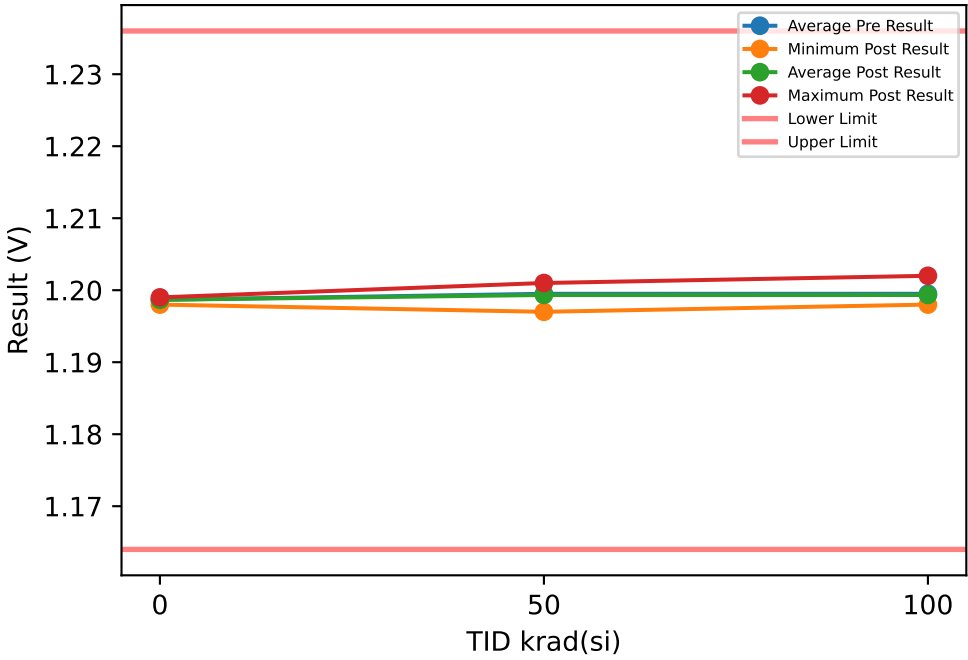


Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|-----------|
| 0        | 0.824            | 0.828            | 0.835            | 0.0054406        | 0.824             | 0.82767           | 0.835             | 0.0049666         | -0.002    | -0.00033333 | 0.001     | 0.0010328 |
| 50       | 0.822            | 0.82925          | 0.837            | 0.0049383        | 0.792             | 0.805             | 0.822             | 0.010322          | -0.035    | -0.02425    | -0.011    | 0.010524  |
| 100      | 0.822            | 0.82925          | 0.837            | 0.0049383        | 0.767             | 0.79              | 0.806             | 0.012143          | -0.062    | -0.03925    | -0.031    | 0.0097619 |

Device Test: 6.155; VHYS

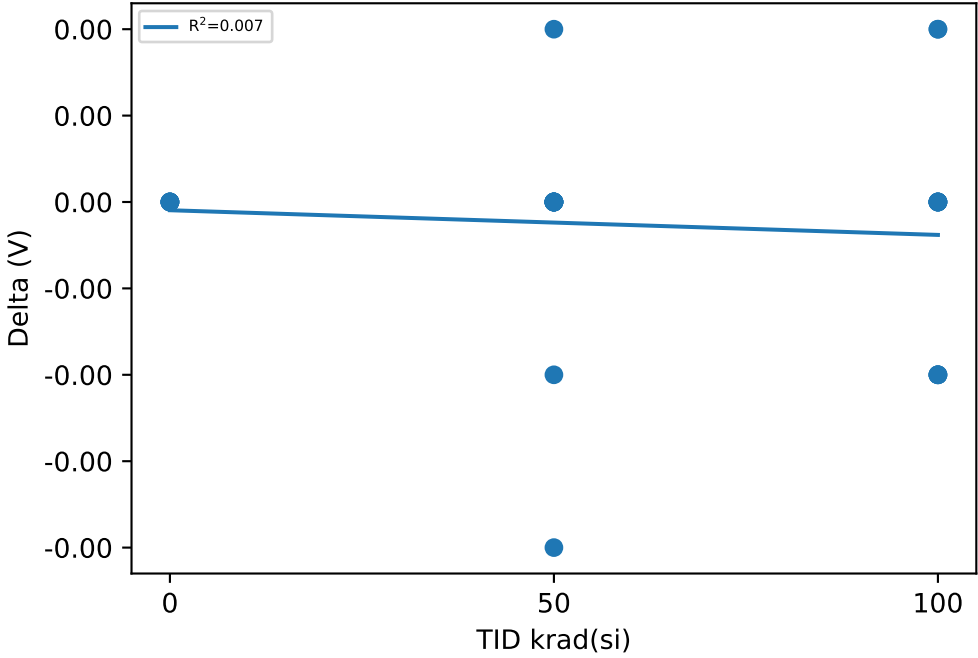
TID vs Result Stats



Test Results (Lower Limit = 1.164, Upper Limit = 1.236 (V))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 1.198      | 1.198       | 0      |
| 201      | 0        | Correlation         | 1.199      | 1.199       | 0      |
| 202      | 0        | Correlation         | 1.199      | 1.199       | 0      |
| 203      | 50       | Biased              | 1.2        | 1.201       | 0.001  |
| 204      | 50       | Biased              | 1.2        | 1.2         | 0      |
| 205      | 50       | Biased              | 1.2        | 1.199       | -0.001 |
| 206      | 50       | Biased              | 1.201      | 1.201       | 0      |
| 207      | 50       | Biased              | 1.198      | 1.198       | 0      |
| 208      | 50       | Biased              | 1.2        | 1.2         | 0      |
| 209      | 50       | Unbiased            | 1.198      | 1.198       | 0      |
| 210      | 50       | Unbiased            | 1.199      | 1.197       | -0.002 |
| 211      | 50       | Unbiased            | 1.199      | 1.199       | 0      |
| 212      | 50       | Unbiased            | 1.201      | 1.201       | 0      |
| 213      | 50       | Unbiased            | 1.199      | 1.199       | 0      |
| 214      | 50       | Unbiased            | 1.199      | 1.199       | 0      |
| 1200     | 0        | Correlation         | 1.198      | 1.198       | 0      |
| 1201     | 0        | Correlation         | 1.199      | 1.199       | 0      |
| 1202     | 0        | Correlation         | 1.199      | 1.199       | 0      |
| 1203     | 100      | Biased              | 1.2        | 1.2         | 0      |
| 1204     | 100      | Biased              | 1.2        | 1.199       | -0.001 |
| 1205     | 100      | Biased              | 1.2        | 1.199       | -0.001 |
| 1206     | 100      | Biased              | 1.201      | 1.201       | 0      |
| 1207     | 100      | Biased              | 1.198      | 1.198       | 0      |
| 1208     | 100      | Biased              | 1.2        | 1.199       | -0.001 |
| 1209     | 100      | Unbiased            | 1.198      | 1.198       | 0      |
| 1210     | 100      | Unbiased            | 1.199      | 1.198       | -0.001 |
| 1211     | 100      | Unbiased            | 1.199      | 1.2         | 0.001  |
| 1212     | 100      | Unbiased            | 1.201      | 1.202       | 0.001  |
| 1213     | 100      | Unbiased            | 1.199      | 1.199       | 0      |
| 1214     | 100      | Unbiased            | 1.199      | 1.199       | 0      |

TID vs Post - Pre Exposure Delta



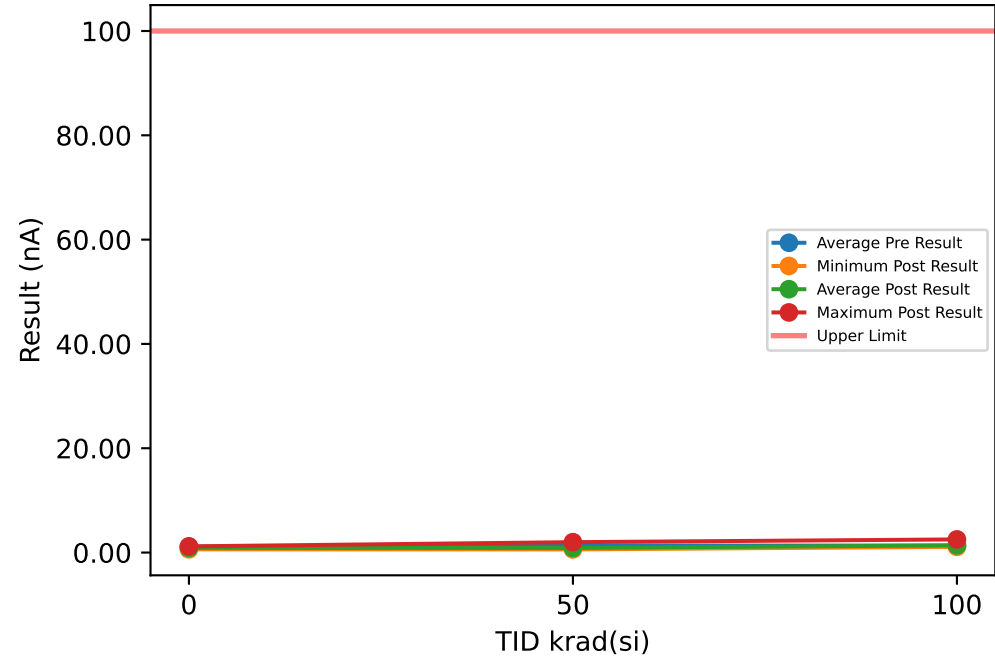
Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|------------|
| 0        | 1.198            | 1.1987           | 1.199            | 0.0005164        | 1.198             | 1.1987            | 1.199             | 0.0005164         | 0         | 0           | 0         | 0          |
| 50       | 1.198            | 1.1995           | 1.201            | 0.001            | 1.197             | 1.1993            | 1.201             | 0.0013027         | -0.002    | -0.00016667 | 0.001     | 0.00071774 |
| 100      | 1.198            | 1.1995           | 1.201            | 0.001            | 1.198             | 1.1993            | 1.202             | 0.0012309         | -0.001    | -0.00016667 | 0.001     | 0.00071774 |

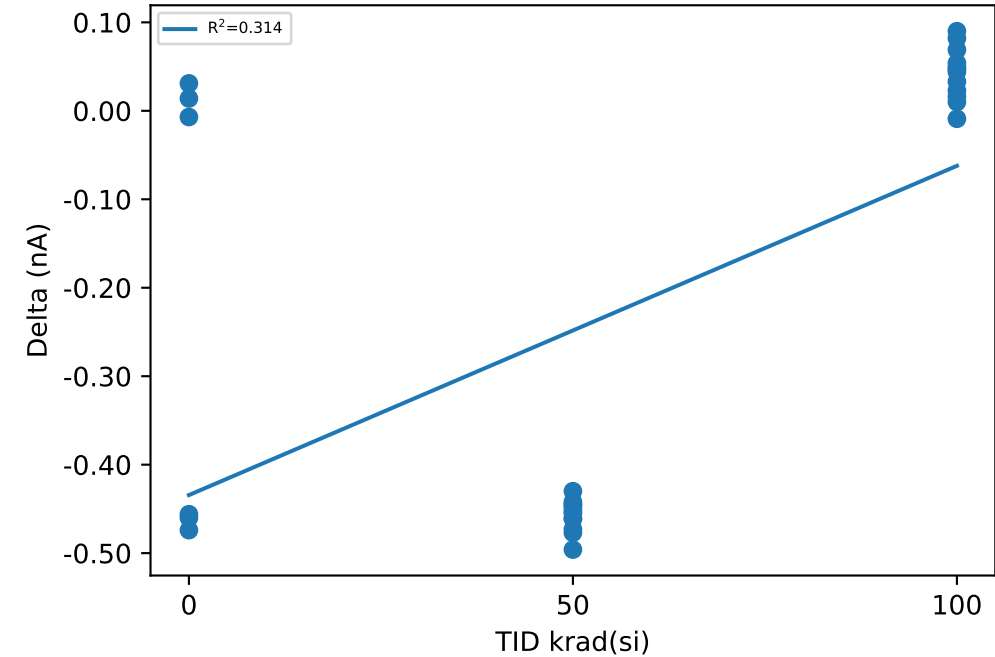


Device Test: 6.16 ; ILKG\_SR\_UVLO

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

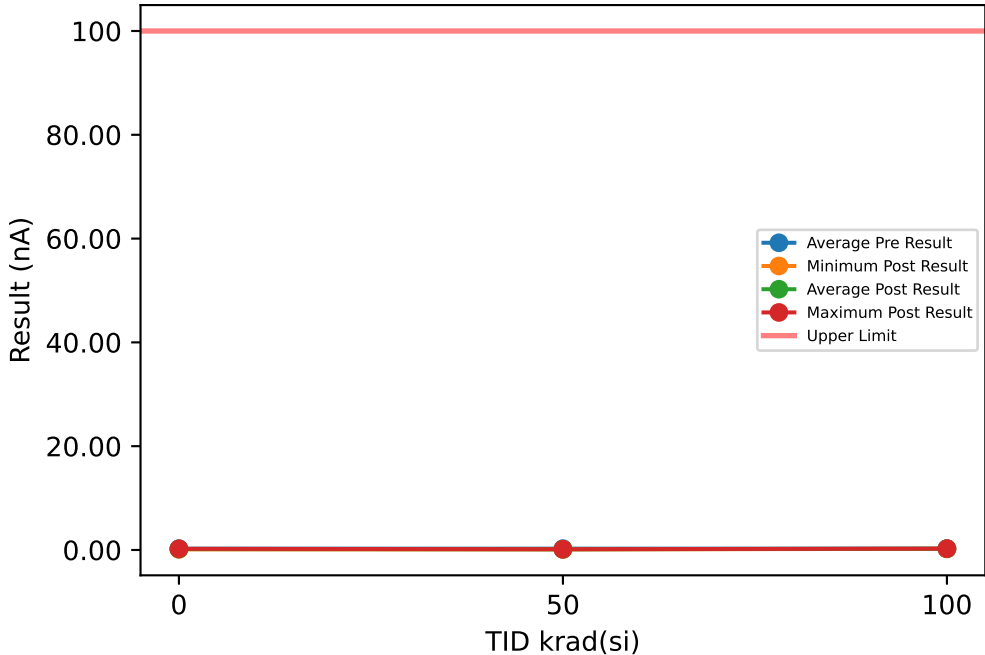
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 1.155      | 0.695       | -0.46  |
| 201      | 0        | Correlation         | 1.075      | 0.619       | -0.456 |
| 202      | 0        | Correlation         | 1.124      | 0.65        | -0.474 |
| 203      | 50       | Biased              | 1.512      | 1.051       | -0.461 |
| 204      | 50       | Biased              | 1.078      | 0.625       | -0.453 |
| 205      | 50       | Biased              | 1.114      | 0.665       | -0.449 |
| 206      | 50       | Biased              | 2.437      | 1.991       | -0.446 |
| 207      | 50       | Biased              | 1.273      | 0.8         | -0.473 |
| 208      | 50       | Biased              | 1.112      | 0.635       | -0.477 |
| 209      | 50       | Unbiased            | 1.17       | 0.728       | -0.442 |
| 210      | 50       | Unbiased            | 1.101      | 0.605       | -0.496 |
| 211      | 50       | Unbiased            | 1.847      | 1.417       | -0.43  |
| 212      | 50       | Unbiased            | 1.193      | 0.748       | -0.445 |
| 213      | 50       | Unbiased            | 1.111      | 0.656       | -0.455 |
| 214      | 50       | Unbiased            | 1.097      | 0.636       | -0.461 |
| 1200     | 0        | Correlation         | 1.155      | 1.186       | 0.031  |
| 1201     | 0        | Correlation         | 1.075      | 1.068       | -0.007 |
| 1202     | 0        | Correlation         | 1.124      | 1.138       | 0.014  |
| 1203     | 100      | Biased              | 1.512      | 1.545       | 0.033  |
| 1204     | 100      | Biased              | 1.078      | 1.125       | 0.047  |
| 1205     | 100      | Biased              | 1.114      | 1.124       | 0.01   |
| 1206     | 100      | Biased              | 2.437      | 2.519       | 0.082  |
| 1207     | 100      | Biased              | 1.273      | 1.296       | 0.023  |
| 1208     | 100      | Biased              | 1.112      | 1.161       | 0.049  |
| 1209     | 100      | Unbiased            | 1.17       | 1.239       | 0.069  |
| 1210     | 100      | Unbiased            | 1.101      | 1.092       | -0.009 |
| 1211     | 100      | Unbiased            | 1.847      | 1.937       | 0.09   |
| 1212     | 100      | Unbiased            | 1.193      | 1.237       | 0.044  |
| 1213     | 100      | Unbiased            | 1.111      | 1.165       | 0.054  |
| 1214     | 100      | Unbiased            | 1.097      | 1.113       | 0.016  |

Test Statistics (nA)

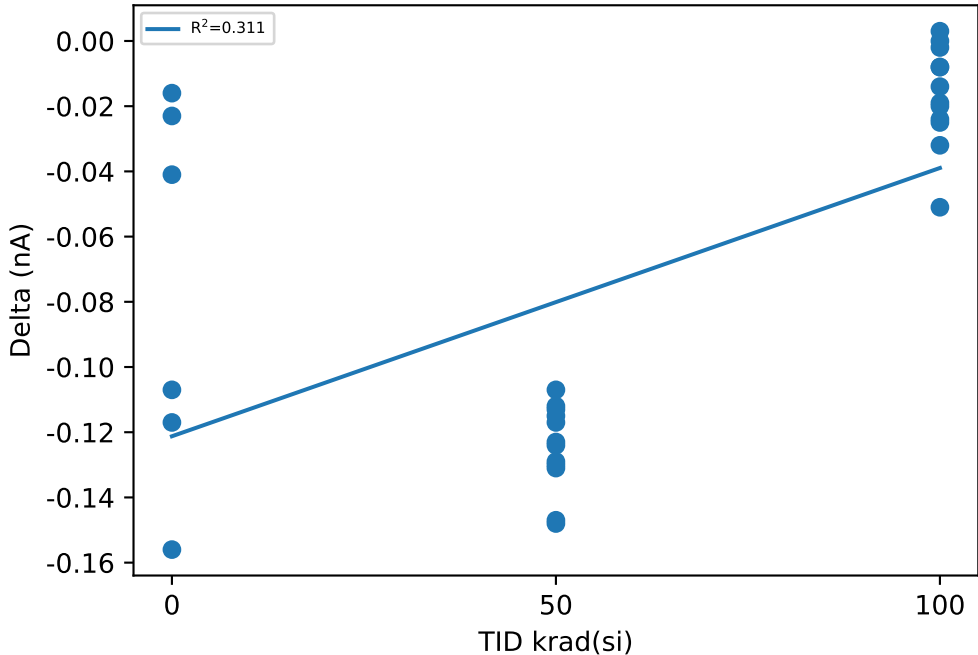
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 1.075            | 1.118            | 1.155            | 0.036078         | 0.619             | 0.89267           | 1.186             | 0.26451           | -0.474    | -0.22533  | 0.031     | 0.26106   |
| 50       | 1.078            | 1.3371           | 2.437            | 0.41399          | 0.605             | 0.87975           | 1.991             | 0.42163           | -0.496    | -0.45733  | -0.43     | 0.017865  |
| 100      | 1.078            | 1.3371           | 2.437            | 0.41399          | 1.092             | 1.3794            | 2.519             | 0.43287           | -0.009    | 0.042333  | 0.09      | 0.029537  |

Device Test: 6.17 ; ILKG\_SENSE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

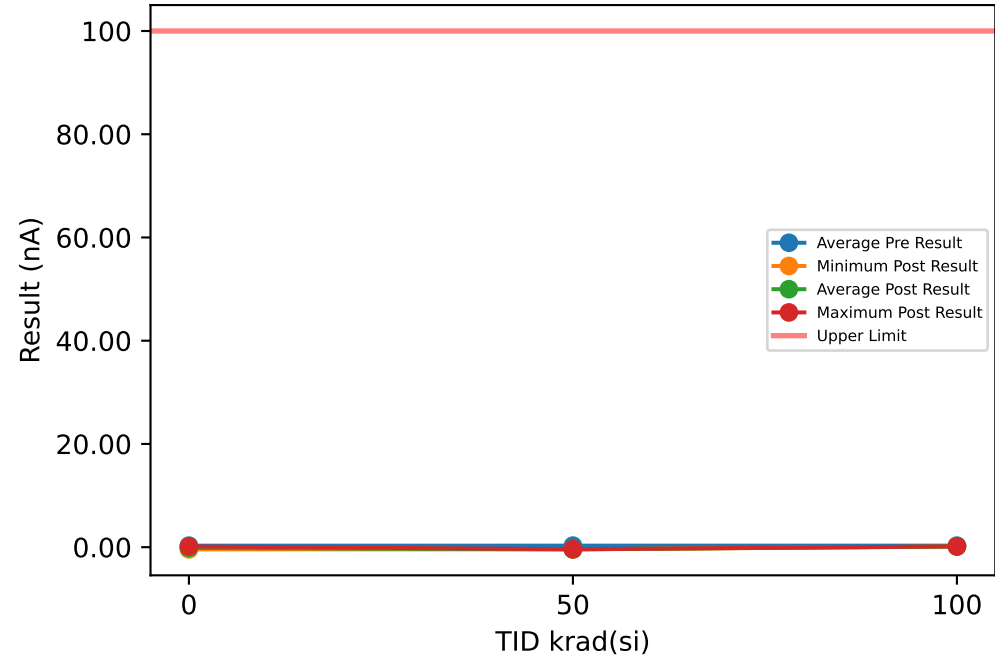
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.243      | 0.136       | -0.107 |
| 201      | 0        | Correlation         | 0.241      | 0.124       | -0.117 |
| 202      | 0        | Correlation         | 0.27       | 0.114       | -0.156 |
| 203      | 50       | Biased              | 0.261      | 0.137       | -0.124 |
| 204      | 50       | Biased              | 0.256      | 0.125       | -0.131 |
| 205      | 50       | Biased              | 0.271      | 0.148       | -0.123 |
| 206      | 50       | Biased              | 0.257      | 0.127       | -0.13  |
| 207      | 50       | Biased              | 0.254      | 0.125       | -0.129 |
| 208      | 50       | Biased              | 0.238      | 0.131       | -0.107 |
| 209      | 50       | Unbiased            | 0.274      | 0.127       | -0.147 |
| 210      | 50       | Unbiased            | 0.247      | 0.135       | -0.112 |
| 211      | 50       | Unbiased            | 0.246      | 0.133       | -0.113 |
| 212      | 50       | Unbiased            | 0.262      | 0.147       | -0.115 |
| 213      | 50       | Unbiased            | 0.243      | 0.126       | -0.117 |
| 214      | 50       | Unbiased            | 0.259      | 0.111       | -0.148 |
| 1200     | 0        | Correlation         | 0.243      | 0.22        | -0.023 |
| 1201     | 0        | Correlation         | 0.241      | 0.225       | -0.016 |
| 1202     | 0        | Correlation         | 0.27       | 0.229       | -0.041 |
| 1203     | 100      | Biased              | 0.261      | 0.247       | -0.014 |
| 1204     | 100      | Biased              | 0.256      | 0.256       | 0      |
| 1205     | 100      | Biased              | 0.271      | 0.22        | -0.051 |
| 1206     | 100      | Biased              | 0.257      | 0.26        | 0.003  |
| 1207     | 100      | Biased              | 0.254      | 0.234       | -0.02  |
| 1208     | 100      | Biased              | 0.238      | 0.236       | -0.002 |
| 1209     | 100      | Unbiased            | 0.274      | 0.242       | -0.032 |
| 1210     | 100      | Unbiased            | 0.247      | 0.223       | -0.024 |
| 1211     | 100      | Unbiased            | 0.246      | 0.238       | -0.008 |
| 1212     | 100      | Unbiased            | 0.262      | 0.237       | -0.025 |
| 1213     | 100      | Unbiased            | 0.243      | 0.235       | -0.008 |
| 1214     | 100      | Unbiased            | 0.259      | 0.24        | -0.019 |

Test Statistics (nA)

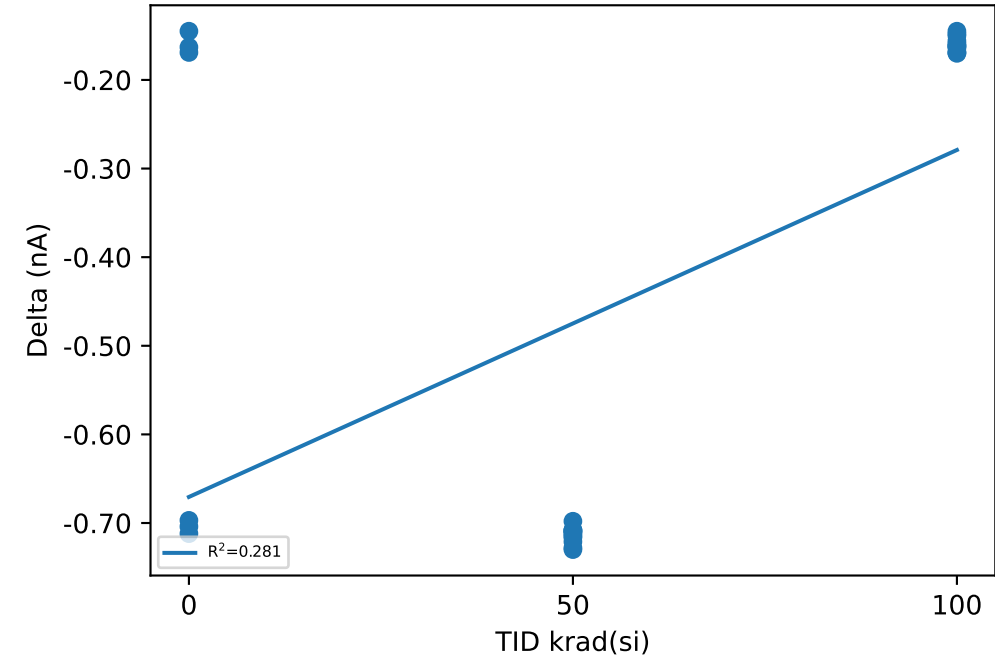
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 0.241            | 0.25133          | 0.27             | 0.014487         | 0.114             | 0.17467           | 0.229             | 0.055287          | -0.156    | -0.076667 | -0.016    | 0.057747  |
| 50       | 0.238            | 0.25567          | 0.274            | 0.010857         | 0.111             | 0.131             | 0.148             | 0.010135          | -0.148    | -0.12467  | -0.107    | 0.013124  |
| 100      | 0.238            | 0.25567          | 0.274            | 0.010857         | 0.22              | 0.239             | 0.26              | 0.011584          | -0.051    | -0.016667 | 0.003     | 0.015347  |

Device Test: 6.18 ; ILKG\_SENSE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

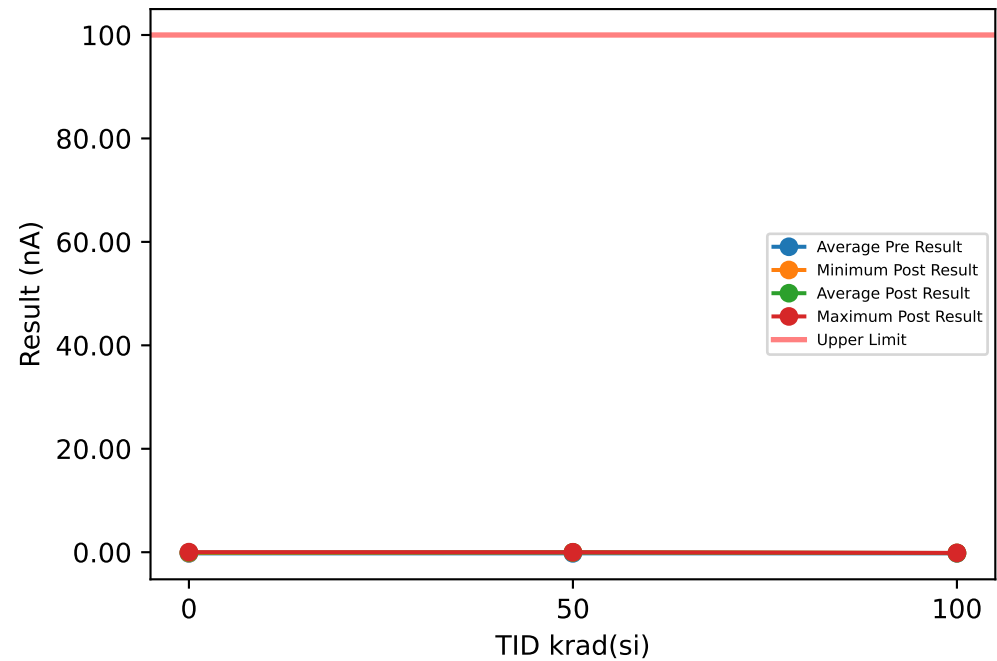
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.285      | -0.419      | -0.704 |
| 201      | 0        | Correlation         | 0.3        | -0.397      | -0.697 |
| 202      | 0        | Correlation         | 0.288      | -0.424      | -0.712 |
| 203      | 50       | Biased              | 0.297      | -0.431      | -0.728 |
| 204      | 50       | Biased              | 0.289      | -0.42       | -0.709 |
| 205      | 50       | Biased              | 0.299      | -0.399      | -0.698 |
| 206      | 50       | Biased              | 0.299      | -0.416      | -0.715 |
| 207      | 50       | Biased              | 0.295      | -0.421      | -0.716 |
| 208      | 50       | Biased              | 0.305      | -0.425      | -0.73  |
| 209      | 50       | Unbiased            | 0.289      | -0.419      | -0.708 |
| 210      | 50       | Unbiased            | 0.293      | -0.416      | -0.709 |
| 211      | 50       | Unbiased            | 0.3        | -0.421      | -0.721 |
| 212      | 50       | Unbiased            | 0.287      | -0.425      | -0.712 |
| 213      | 50       | Unbiased            | 0.29       | -0.418      | -0.708 |
| 214      | 50       | Unbiased            | 0.297      | -0.414      | -0.711 |
| 1200     | 0        | Correlation         | 0.285      | 0.14        | -0.145 |
| 1201     | 0        | Correlation         | 0.3        | 0.131       | -0.169 |
| 1202     | 0        | Correlation         | 0.288      | 0.125       | -0.163 |
| 1203     | 100      | Biased              | 0.297      | 0.127       | -0.17  |
| 1204     | 100      | Biased              | 0.289      | 0.128       | -0.161 |
| 1205     | 100      | Biased              | 0.299      | 0.137       | -0.162 |
| 1206     | 100      | Biased              | 0.299      | 0.13        | -0.169 |
| 1207     | 100      | Biased              | 0.295      | 0.15        | -0.145 |
| 1208     | 100      | Biased              | 0.305      | 0.136       | -0.169 |
| 1209     | 100      | Unbiased            | 0.289      | 0.127       | -0.162 |
| 1210     | 100      | Unbiased            | 0.293      | 0.137       | -0.156 |
| 1211     | 100      | Unbiased            | 0.3        | 0.152       | -0.148 |
| 1212     | 100      | Unbiased            | 0.287      | 0.137       | -0.15  |
| 1213     | 100      | Unbiased            | 0.29       | 0.126       | -0.164 |
| 1214     | 100      | Unbiased            | 0.297      | 0.138       | -0.159 |

Test Statistics (nA)

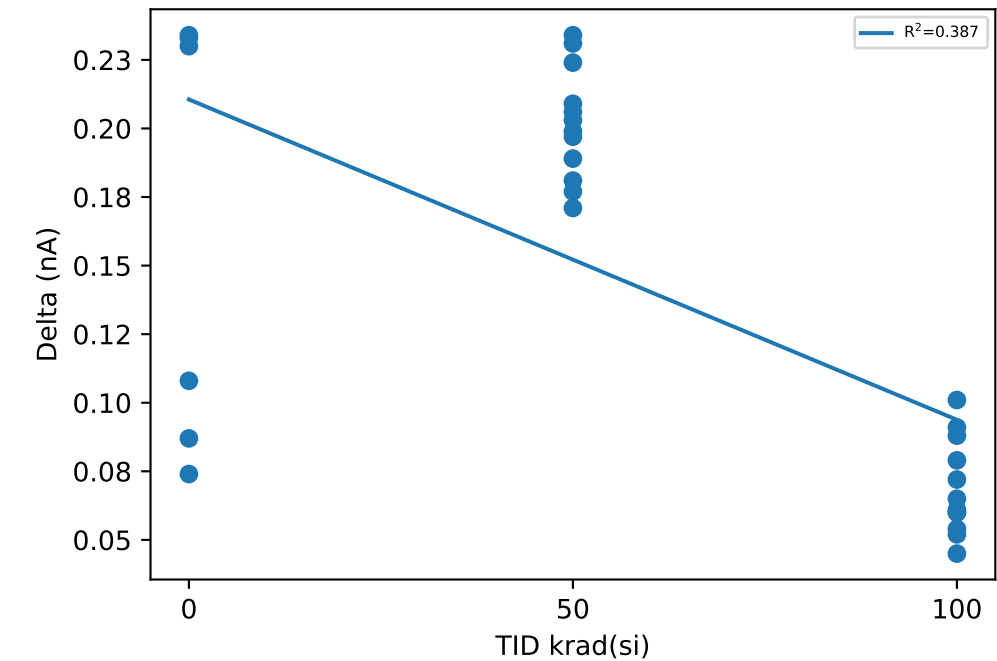
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 0.285            | 0.291            | 0.3              | 0.0070993        | -0.424            | -0.14067          | 0.14              | 0.29887           | -0.712    | -0.43167  | -0.145    | 0.29883   |
| 50       | 0.287            | 0.295            | 0.305            | 0.0054772        | -0.431            | -0.41875          | -0.399            | 0.0077942         | -0.73     | -0.71375  | -0.698    | 0.0090265 |
| 100      | 0.287            | 0.295            | 0.305            | 0.0054772        | 0.126             | 0.13542           | 0.152             | 0.0086177         | -0.17     | -0.15958  | -0.145    | 0.0083716 |

Device Test: 6.19 ; ILKG\_SENSE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

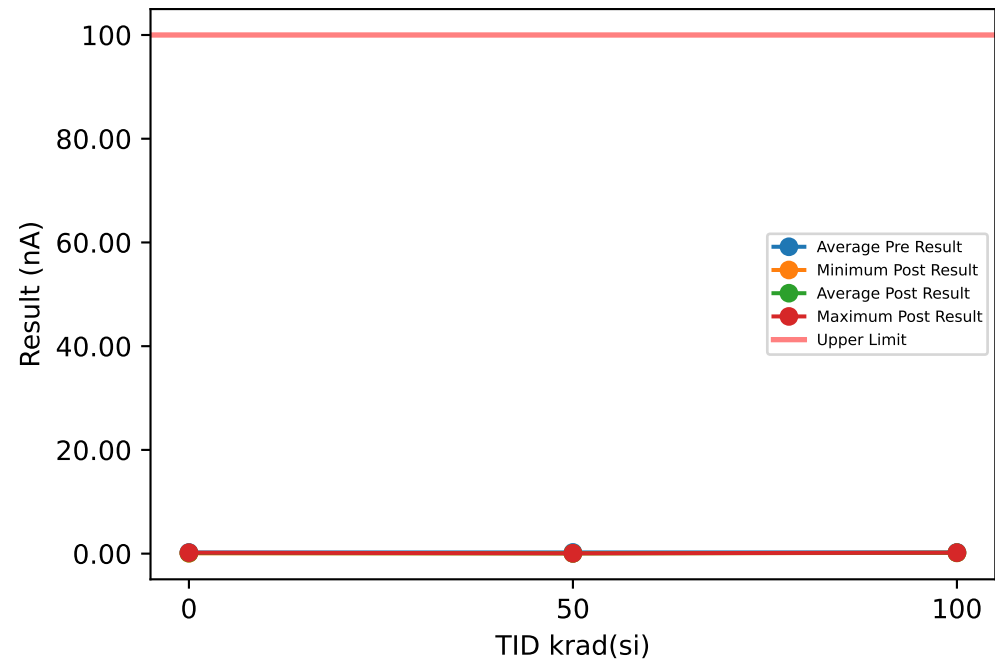
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|----------|----------|---------------------|------------|-------------|-------|
| 200      | 0        | Correlation         | -0.227     | 0.006       | 0.233 |
| 201      | 0        | Correlation         | -0.24      | -0.006      | 0.234 |
| 202      | 0        | Correlation         | -0.216     | 0.014       | 0.23  |
| 203      | 50       | Biased              | -0.216     | -0.01       | 0.206 |
| 204      | 50       | Biased              | -0.239     | -0.008      | 0.231 |
| 205      | 50       | Biased              | -0.214     | -0.017      | 0.197 |
| 206      | 50       | Biased              | -0.193     | -0.016      | 0.177 |
| 207      | 50       | Biased              | -0.231     | -0.007      | 0.224 |
| 208      | 50       | Biased              | -0.219     | -0.02       | 0.199 |
| 209      | 50       | Unbiased            | -0.232     | -0.023      | 0.209 |
| 210      | 50       | Unbiased            | -0.238     | -0.004      | 0.234 |
| 211      | 50       | Unbiased            | -0.208     | -0.037      | 0.171 |
| 212      | 50       | Unbiased            | -0.21      | -0.029      | 0.181 |
| 213      | 50       | Unbiased            | -0.225     | -0.036      | 0.189 |
| 214      | 50       | Unbiased            | -0.222     | -0.019      | 0.203 |
| 1200     | 0        | Correlation         | -0.227     | -0.119      | 0.108 |
| 1201     | 0        | Correlation         | -0.24      | -0.153      | 0.087 |
| 1202     | 0        | Correlation         | -0.216     | -0.142      | 0.074 |
| 1203     | 100      | Biased              | -0.216     | -0.171      | 0.045 |
| 1204     | 100      | Biased              | -0.239     | -0.138      | 0.101 |
| 1205     | 100      | Biased              | -0.214     | -0.149      | 0.065 |
| 1206     | 100      | Biased              | -0.193     | -0.132      | 0.061 |
| 1207     | 100      | Biased              | -0.231     | -0.14       | 0.091 |
| 1208     | 100      | Biased              | -0.219     | -0.159      | 0.06  |
| 1209     | 100      | Unbiased            | -0.232     | -0.153      | 0.079 |
| 1210     | 100      | Unbiased            | -0.238     | -0.15       | 0.088 |
| 1211     | 100      | Unbiased            | -0.208     | -0.148      | 0.06  |
| 1212     | 100      | Unbiased            | -0.21      | -0.158      | 0.052 |
| 1213     | 100      | Unbiased            | -0.225     | -0.153      | 0.072 |
| 1214     | 100      | Unbiased            | -0.222     | -0.168      | 0.054 |

Test Statistics (nA)

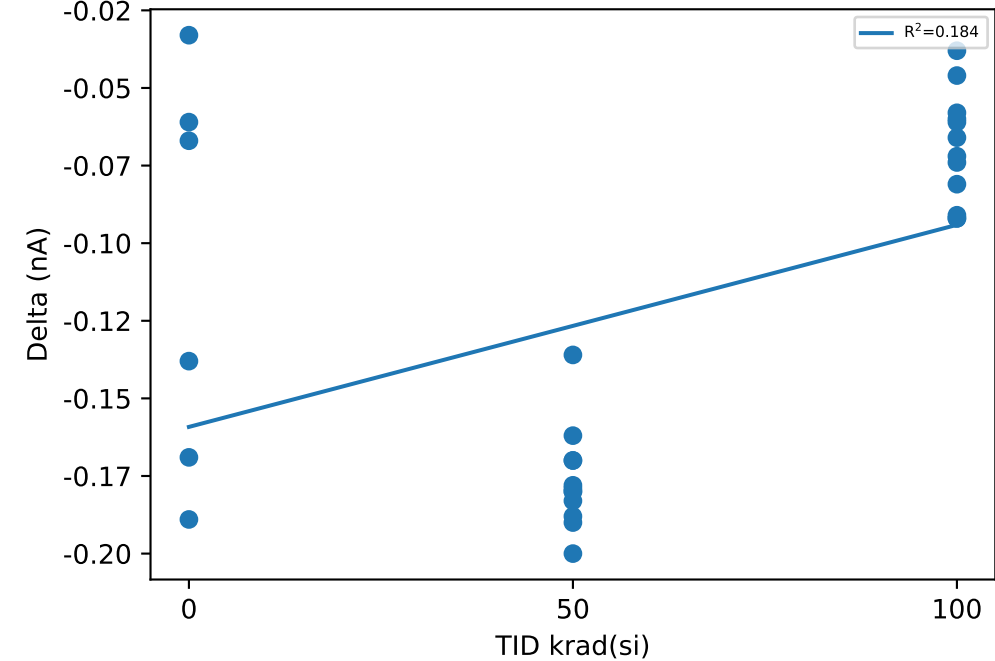
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | -0.24            | -0.22767         | -0.216           | 0.010746         | -0.153            | -0.066667         | 0.014             | 0.079165          | 0.074     | 0.161     | 0.234     | 0.078902  |
| 50       | -0.239           | -0.22058         | -0.193           | 0.013487         | -0.037            | -0.018833         | -0.004            | 0.010928          | 0.171     | 0.20175   | 0.234     | 0.020548  |
| 100      | -0.239           | -0.22058         | -0.193           | 0.013487         | -0.171            | -0.15158          | -0.132            | 0.011564          | 0.045     | 0.069     | 0.101     | 0.017347  |

Device Test: 6.20 ; ILKG\_SENSE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

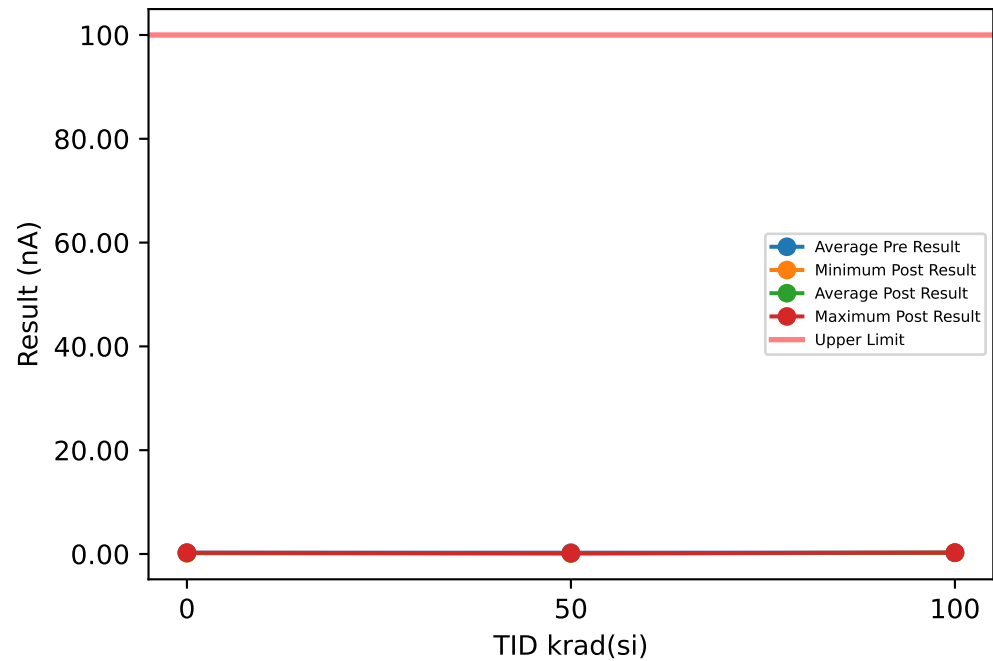
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.205      | 0.067       | -0.138 |
| 201      | 0        | Correlation         | 0.246      | 0.057       | -0.189 |
| 202      | 0        | Correlation         | 0.227      | 0.058       | -0.169 |
| 203      | 50       | Biased              | 0.234      | 0.064       | -0.17  |
| 204      | 50       | Biased              | 0.239      | 0.056       | -0.183 |
| 205      | 50       | Biased              | 0.249      | 0.069       | -0.18  |
| 206      | 50       | Biased              | 0.221      | 0.059       | -0.162 |
| 207      | 50       | Biased              | 0.246      | 0.056       | -0.19  |
| 208      | 50       | Biased              | 0.226      | 0.046       | -0.18  |
| 209      | 50       | Unbiased            | 0.205      | 0.069       | -0.136 |
| 210      | 50       | Unbiased            | 0.228      | 0.058       | -0.17  |
| 211      | 50       | Unbiased            | 0.246      | 0.067       | -0.179 |
| 212      | 50       | Unbiased            | 0.232      | 0.054       | -0.178 |
| 213      | 50       | Unbiased            | 0.241      | 0.053       | -0.188 |
| 214      | 50       | Unbiased            | 0.248      | 0.048       | -0.2   |
| 1200     | 0        | Correlation         | 0.205      | 0.172       | -0.033 |
| 1201     | 0        | Correlation         | 0.246      | 0.185       | -0.061 |
| 1202     | 0        | Correlation         | 0.227      | 0.16        | -0.067 |
| 1203     | 100      | Biased              | 0.234      | 0.153       | -0.081 |
| 1204     | 100      | Biased              | 0.239      | 0.148       | -0.091 |
| 1205     | 100      | Biased              | 0.249      | 0.157       | -0.092 |
| 1206     | 100      | Biased              | 0.221      | 0.147       | -0.074 |
| 1207     | 100      | Biased              | 0.246      | 0.154       | -0.092 |
| 1208     | 100      | Biased              | 0.226      | 0.16        | -0.066 |
| 1209     | 100      | Unbiased            | 0.205      | 0.167       | -0.038 |
| 1210     | 100      | Unbiased            | 0.228      | 0.167       | -0.061 |
| 1211     | 100      | Unbiased            | 0.246      | 0.188       | -0.058 |
| 1212     | 100      | Unbiased            | 0.232      | 0.186       | -0.046 |
| 1213     | 100      | Unbiased            | 0.241      | 0.181       | -0.06  |
| 1214     | 100      | Unbiased            | 0.248      | 0.176       | -0.072 |

Test Statistics (nA)

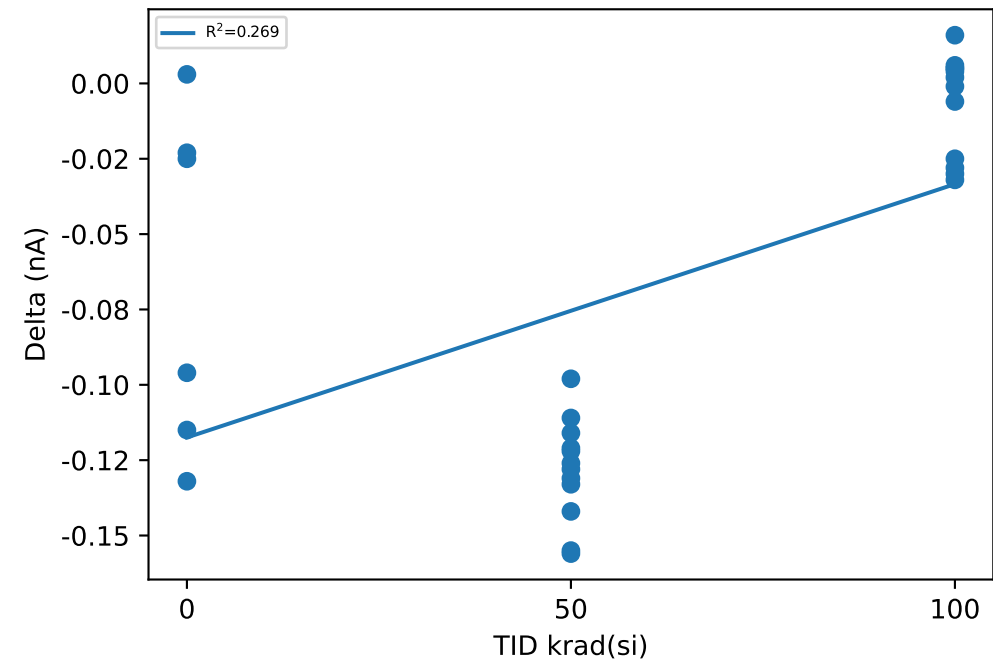
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 0.205            | 0.226            | 0.246            | 0.018352         | 0.057             | 0.1165            | 0.185             | 0.06177           | -0.189    | -0.1095   | -0.033    | 0.064317  |
| 50       | 0.205            | 0.23458          | 0.249            | 0.013118         | 0.046             | 0.05825           | 0.069             | 0.0077004         | -0.2      | -0.17633  | -0.136    | 0.016171  |
| 100      | 0.205            | 0.23458          | 0.249            | 0.013118         | 0.147             | 0.16533           | 0.188             | 0.014525          | -0.092    | -0.06925  | -0.038    | 0.017797  |

Device Test: 6.21 ; ILKG\_SENSE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.233      | 0.137       | -0.096 |
| 201      | 0        | Correlation         | 0.244      | 0.129       | -0.115 |
| 202      | 0        | Correlation         | 0.267      | 0.135       | -0.132 |
| 203      | 50       | Biased              | 0.244      | 0.146       | -0.098 |
| 204      | 50       | Biased              | 0.244      | 0.133       | -0.111 |
| 205      | 50       | Biased              | 0.25       | 0.129       | -0.121 |
| 206      | 50       | Biased              | 0.255      | 0.122       | -0.133 |
| 207      | 50       | Biased              | 0.251      | 0.129       | -0.122 |
| 208      | 50       | Biased              | 0.245      | 0.114       | -0.131 |
| 209      | 50       | Unbiased            | 0.277      | 0.122       | -0.155 |
| 210      | 50       | Unbiased            | 0.255      | 0.113       | -0.142 |
| 211      | 50       | Unbiased            | 0.244      | 0.118       | -0.126 |
| 212      | 50       | Unbiased            | 0.27       | 0.114       | -0.156 |
| 213      | 50       | Unbiased            | 0.247      | 0.119       | -0.128 |
| 214      | 50       | Unbiased            | 0.244      | 0.128       | -0.116 |
| 1200     | 0        | Correlation         | 0.233      | 0.236       | 0.003  |
| 1201     | 0        | Correlation         | 0.244      | 0.221       | -0.023 |
| 1202     | 0        | Correlation         | 0.267      | 0.242       | -0.025 |
| 1203     | 100      | Biased              | 0.244      | 0.25        | 0.006  |
| 1204     | 100      | Biased              | 0.244      | 0.246       | 0.002  |
| 1205     | 100      | Biased              | 0.25       | 0.255       | 0.005  |
| 1206     | 100      | Biased              | 0.255      | 0.223       | -0.032 |
| 1207     | 100      | Biased              | 0.251      | 0.245       | -0.006 |
| 1208     | 100      | Biased              | 0.245      | 0.261       | 0.016  |
| 1209     | 100      | Unbiased            | 0.277      | 0.249       | -0.028 |
| 1210     | 100      | Unbiased            | 0.255      | 0.23        | -0.025 |
| 1211     | 100      | Unbiased            | 0.244      | 0.248       | 0.004  |
| 1212     | 100      | Unbiased            | 0.27       | 0.24        | -0.03  |
| 1213     | 100      | Unbiased            | 0.247      | 0.246       | -0.001 |
| 1214     | 100      | Unbiased            | 0.244      | 0.249       | 0.005  |

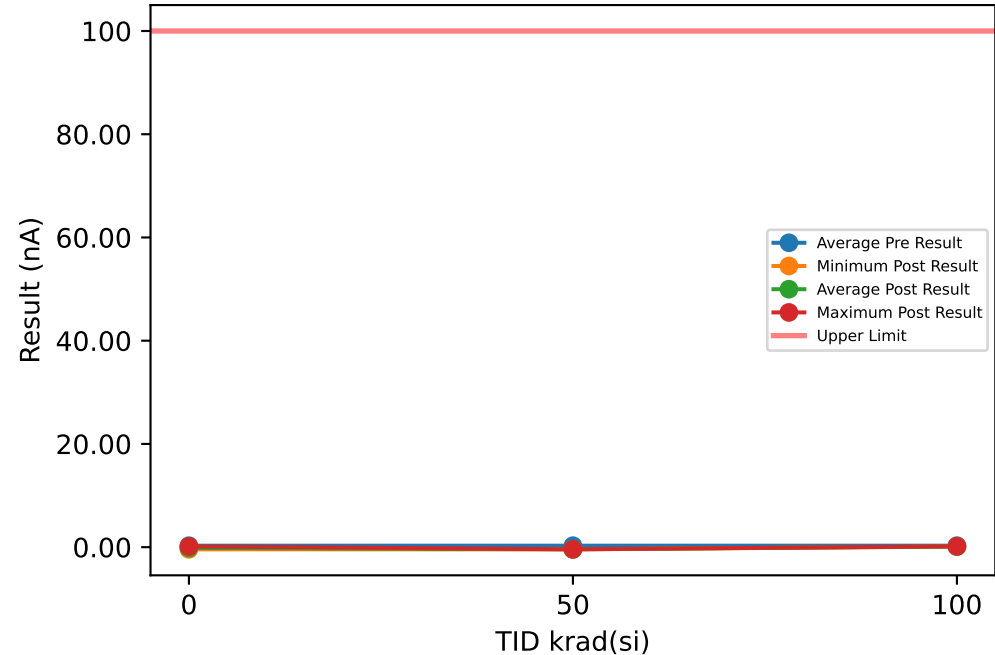
Test Statistics (nA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 0.233            | 0.248            | 0.267            | 0.015518         | 0.129             | 0.18333           | 0.242             | 0.054899          | -0.132    | -0.064667 | 0.003     | 0.056458  |
| 50       | 0.244            | 0.25217          | 0.277            | 0.010878         | 0.113             | 0.12392           | 0.146             | 0.0096338         | -0.156    | -0.12825  | -0.098    | 0.016961  |
| 100      | 0.244            | 0.25217          | 0.277            | 0.010878         | 0.223             | 0.24517           | 0.261             | 0.010259          | -0.032    | -0.007    | 0.016     | 0.016906  |

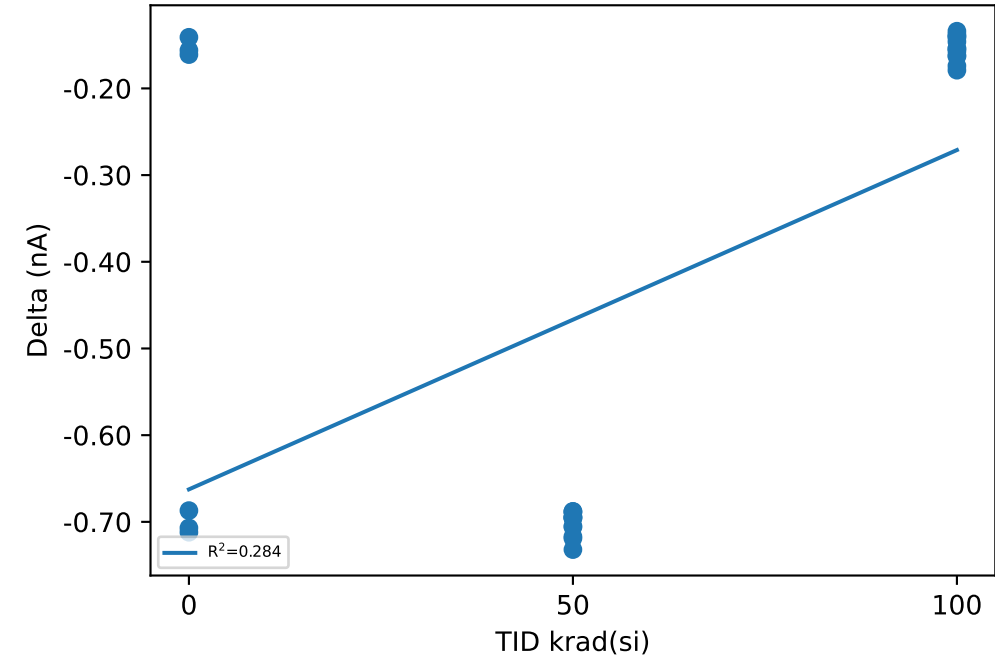


Device Test: 6.22 ; ILKG\_SENSE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

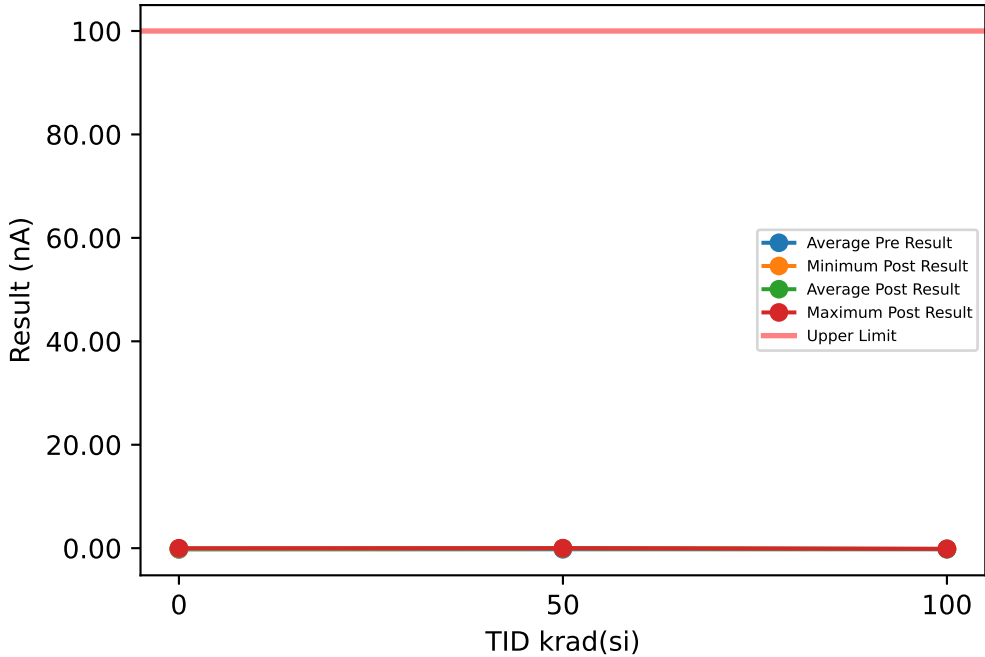
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.286      | -0.421      | -0.707 |
| 201      | 0        | Correlation         | 0.296      | -0.416      | -0.712 |
| 202      | 0        | Correlation         | 0.269      | -0.418      | -0.687 |
| 203      | 50       | Biased              | 0.278      | -0.41       | -0.688 |
| 204      | 50       | Biased              | 0.282      | -0.414      | -0.696 |
| 205      | 50       | Biased              | 0.281      | -0.407      | -0.688 |
| 206      | 50       | Biased              | 0.281      | -0.408      | -0.689 |
| 207      | 50       | Biased              | 0.274      | -0.432      | -0.706 |
| 208      | 50       | Biased              | 0.3        | -0.417      | -0.717 |
| 209      | 50       | Unbiased            | 0.301      | -0.418      | -0.719 |
| 210      | 50       | Unbiased            | 0.284      | -0.411      | -0.695 |
| 211      | 50       | Unbiased            | 0.316      | -0.416      | -0.732 |
| 212      | 50       | Unbiased            | 0.284      | -0.411      | -0.695 |
| 213      | 50       | Unbiased            | 0.278      | -0.416      | -0.694 |
| 214      | 50       | Unbiased            | 0.299      | -0.406      | -0.705 |
| 1200     | 0        | Correlation         | 0.286      | 0.125       | -0.161 |
| 1201     | 0        | Correlation         | 0.296      | 0.14        | -0.156 |
| 1202     | 0        | Correlation         | 0.269      | 0.128       | -0.141 |
| 1203     | 100      | Biased              | 0.278      | 0.137       | -0.141 |
| 1204     | 100      | Biased              | 0.282      | 0.128       | -0.154 |
| 1205     | 100      | Biased              | 0.281      | 0.124       | -0.157 |
| 1206     | 100      | Biased              | 0.281      | 0.127       | -0.154 |
| 1207     | 100      | Biased              | 0.274      | 0.14        | -0.134 |
| 1208     | 100      | Biased              | 0.3        | 0.137       | -0.163 |
| 1209     | 100      | Unbiased            | 0.301      | 0.161       | -0.14  |
| 1210     | 100      | Unbiased            | 0.284      | 0.122       | -0.162 |
| 1211     | 100      | Unbiased            | 0.316      | 0.137       | -0.179 |
| 1212     | 100      | Unbiased            | 0.284      | 0.146       | -0.138 |
| 1213     | 100      | Unbiased            | 0.278      | 0.132       | -0.146 |
| 1214     | 100      | Unbiased            | 0.299      | 0.125       | -0.174 |

Test Statistics (nA)

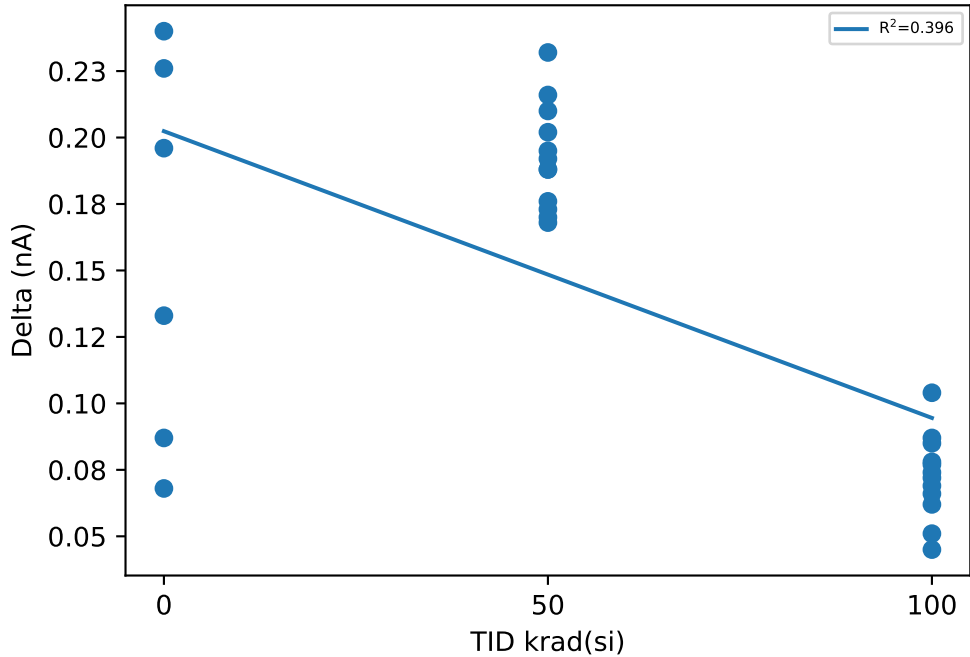
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 0.269            | 0.28367          | 0.296            | 0.012209         | -0.421            | -0.14367          | 0.14              | 0.30093           | -0.712    | -0.42733  | -0.141    | 0.30107   |
| 50       | 0.274            | 0.28817          | 0.316            | 0.01272          | -0.432            | -0.41383          | -0.406            | 0.0070043         | -0.732    | -0.702    | -0.688    | 0.014136  |
| 100      | 0.274            | 0.28817          | 0.316            | 0.01272          | 0.122             | 0.13467           | 0.161             | 0.011056          | -0.179    | -0.1535   | -0.134    | 0.014337  |

Device Test: 6.23 ; ILKG\_SENSE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

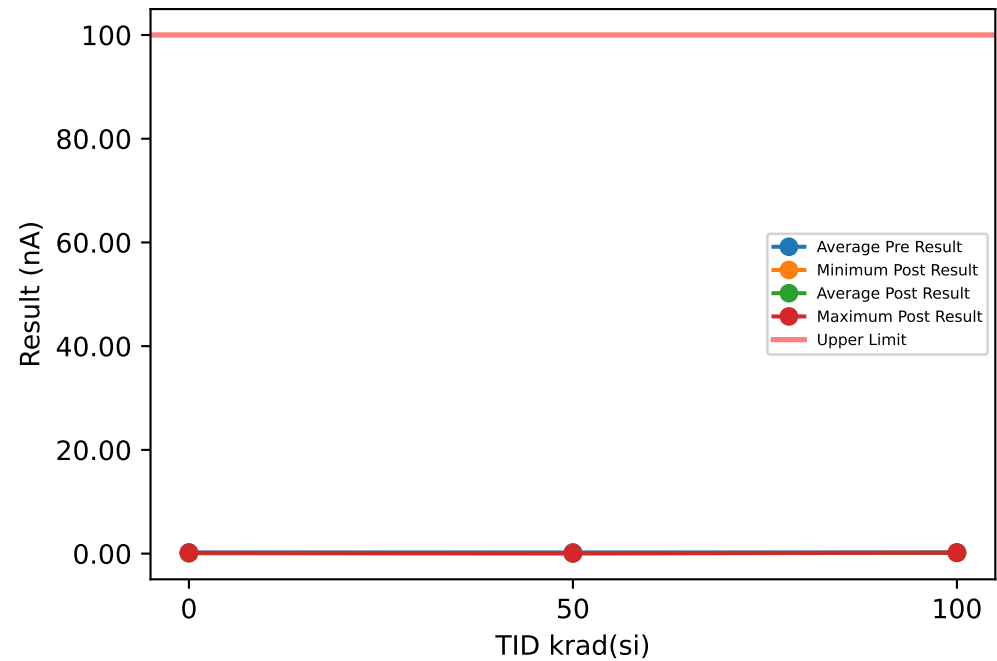
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|----------|----------|---------------------|------------|-------------|-------|
| 200      | 0        | Correlation         | -0.25      | -0.01       | 0.24  |
| 201      | 0        | Correlation         | -0.25      | -0.024      | 0.226 |
| 202      | 0        | Correlation         | -0.207     | -0.011      | 0.196 |
| 203      | 50       | Biased              | -0.222     | -0.02       | 0.202 |
| 204      | 50       | Biased              | -0.214     | -0.004      | 0.21  |
| 205      | 50       | Biased              | -0.2       | -0.012      | 0.188 |
| 206      | 50       | Biased              | -0.195     | -0.025      | 0.17  |
| 207      | 50       | Biased              | -0.214     | -0.041      | 0.173 |
| 208      | 50       | Biased              | -0.216     | -0.024      | 0.192 |
| 209      | 50       | Unbiased            | -0.232     | 0           | 0.232 |
| 210      | 50       | Unbiased            | -0.227     | -0.032      | 0.195 |
| 211      | 50       | Unbiased            | -0.22      | -0.032      | 0.188 |
| 212      | 50       | Unbiased            | -0.228     | -0.012      | 0.216 |
| 213      | 50       | Unbiased            | -0.205     | -0.037      | 0.168 |
| 214      | 50       | Unbiased            | -0.214     | -0.038      | 0.176 |
| 1200     | 0        | Correlation         | -0.25      | -0.117      | 0.133 |
| 1201     | 0        | Correlation         | -0.25      | -0.163      | 0.087 |
| 1202     | 0        | Correlation         | -0.207     | -0.139      | 0.068 |
| 1203     | 100      | Biased              | -0.222     | -0.16       | 0.062 |
| 1204     | 100      | Biased              | -0.214     | -0.169      | 0.045 |
| 1205     | 100      | Biased              | -0.2       | -0.128      | 0.072 |
| 1206     | 100      | Biased              | -0.195     | -0.144      | 0.051 |
| 1207     | 100      | Biased              | -0.214     | -0.145      | 0.069 |
| 1208     | 100      | Biased              | -0.216     | -0.142      | 0.074 |
| 1209     | 100      | Unbiased            | -0.232     | -0.154      | 0.078 |
| 1210     | 100      | Unbiased            | -0.227     | -0.123      | 0.104 |
| 1211     | 100      | Unbiased            | -0.22      | -0.135      | 0.085 |
| 1212     | 100      | Unbiased            | -0.228     | -0.141      | 0.087 |
| 1213     | 100      | Unbiased            | -0.205     | -0.128      | 0.077 |
| 1214     | 100      | Unbiased            | -0.214     | -0.148      | 0.066 |

Test Statistics (nA)

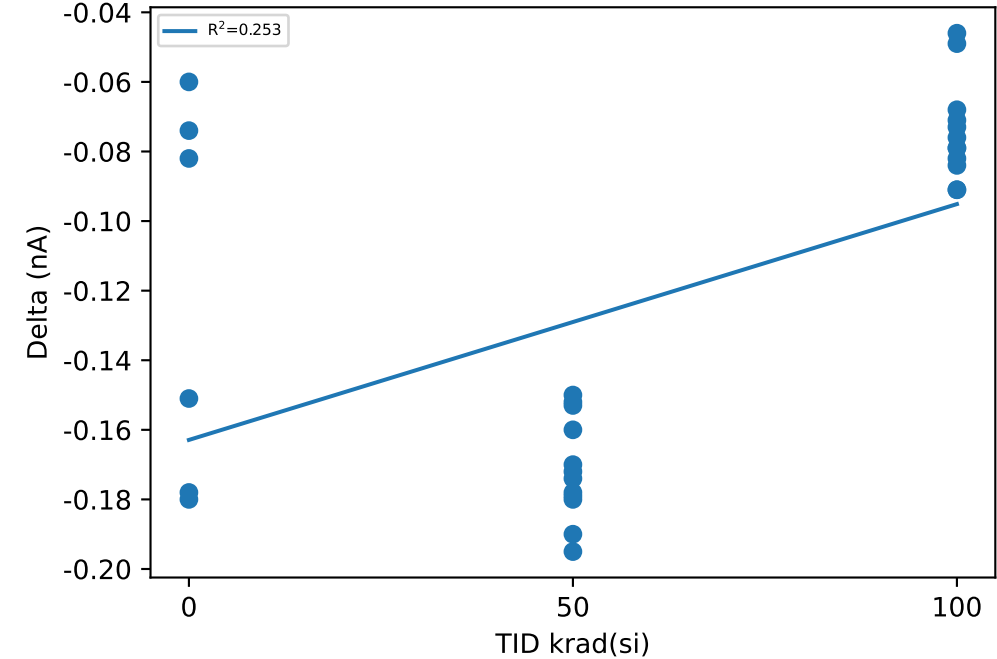
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | -0.25            | -0.23567         | -0.207           | 0.022205         | -0.163            | -0.077333         | -0.01             | 0.06999           | 0.068     | 0.15833   | 0.24      | 0.07288   |
| 50       | -0.232           | -0.21558         | -0.195           | 0.011285         | -0.041            | -0.023083         | 0                 | 0.013661          | 0.168     | 0.1925    | 0.232     | 0.019806  |
| 100      | -0.232           | -0.21558         | -0.195           | 0.011285         | -0.169            | -0.14308          | -0.123            | 0.013601          | 0.045     | 0.0725    | 0.104     | 0.01594   |

Device Test: 6.24 ; ILKG\_SENSE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

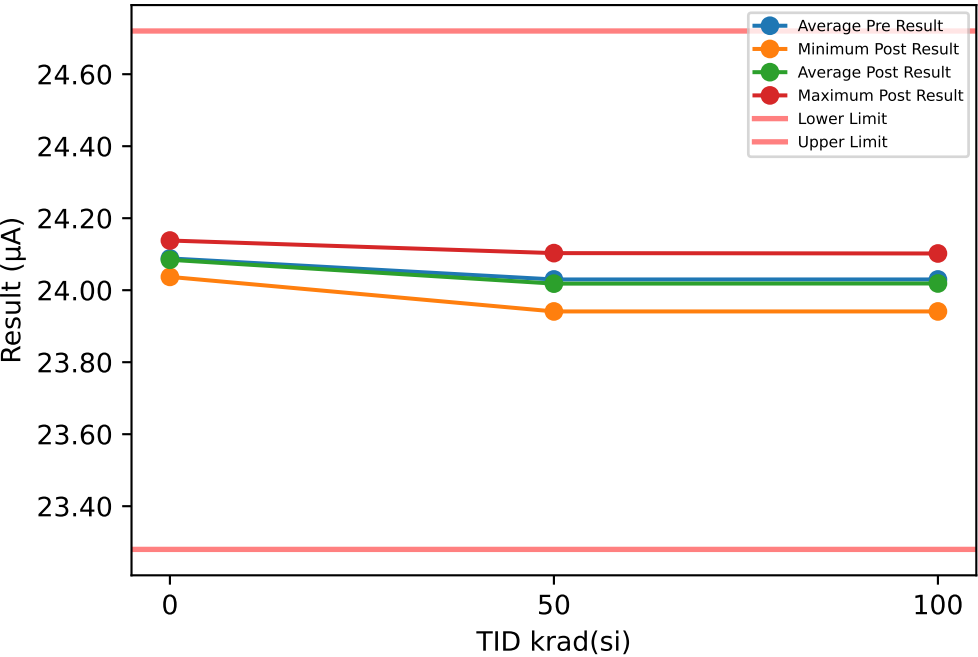
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.214      | 0.063       | -0.151 |
| 201      | 0        | Correlation         | 0.23       | 0.05        | -0.18  |
| 202      | 0        | Correlation         | 0.239      | 0.061       | -0.178 |
| 203      | 50       | Biased              | 0.208      | 0.058       | -0.15  |
| 204      | 50       | Biased              | 0.24       | 0.045       | -0.195 |
| 205      | 50       | Biased              | 0.23       | 0.07        | -0.16  |
| 206      | 50       | Biased              | 0.236      | 0.083       | -0.153 |
| 207      | 50       | Biased              | 0.247      | 0.075       | -0.172 |
| 208      | 50       | Biased              | 0.232      | 0.042       | -0.19  |
| 209      | 50       | Unbiased            | 0.223      | 0.043       | -0.18  |
| 210      | 50       | Unbiased            | 0.213      | 0.061       | -0.152 |
| 211      | 50       | Unbiased            | 0.229      | 0.05        | -0.179 |
| 212      | 50       | Unbiased            | 0.234      | 0.06        | -0.174 |
| 213      | 50       | Unbiased            | 0.235      | 0.065       | -0.17  |
| 214      | 50       | Unbiased            | 0.235      | 0.057       | -0.178 |
| 1200     | 0        | Correlation         | 0.214      | 0.154       | -0.06  |
| 1201     | 0        | Correlation         | 0.23       | 0.156       | -0.074 |
| 1202     | 0        | Correlation         | 0.239      | 0.157       | -0.082 |
| 1203     | 100      | Biased              | 0.208      | 0.162       | -0.046 |
| 1204     | 100      | Biased              | 0.24       | 0.161       | -0.079 |
| 1205     | 100      | Biased              | 0.23       | 0.139       | -0.091 |
| 1206     | 100      | Biased              | 0.236      | 0.145       | -0.091 |
| 1207     | 100      | Biased              | 0.247      | 0.165       | -0.082 |
| 1208     | 100      | Biased              | 0.232      | 0.156       | -0.076 |
| 1209     | 100      | Unbiased            | 0.223      | 0.152       | -0.071 |
| 1210     | 100      | Unbiased            | 0.213      | 0.14        | -0.073 |
| 1211     | 100      | Unbiased            | 0.229      | 0.161       | -0.068 |
| 1212     | 100      | Unbiased            | 0.234      | 0.185       | -0.049 |
| 1213     | 100      | Unbiased            | 0.235      | 0.151       | -0.084 |
| 1214     | 100      | Unbiased            | 0.235      | 0.156       | -0.079 |

Test Statistics (nA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 0.214            | 0.22767          | 0.239            | 0.011325         | 0.05              | 0.10683           | 0.157             | 0.053686          | -0.18     | -0.12083  | -0.06     | 0.05492   |
| 50       | 0.208            | 0.23017          | 0.247            | 0.010945         | 0.042             | 0.059083          | 0.083             | 0.012866          | -0.195    | -0.17108  | -0.15     | 0.014737  |
| 100      | 0.208            | 0.23017          | 0.247            | 0.010945         | 0.139             | 0.15608           | 0.185             | 0.012486          | -0.091    | -0.074083 | -0.046    | 0.014305  |

Device Test: 6.25 ; IHYS

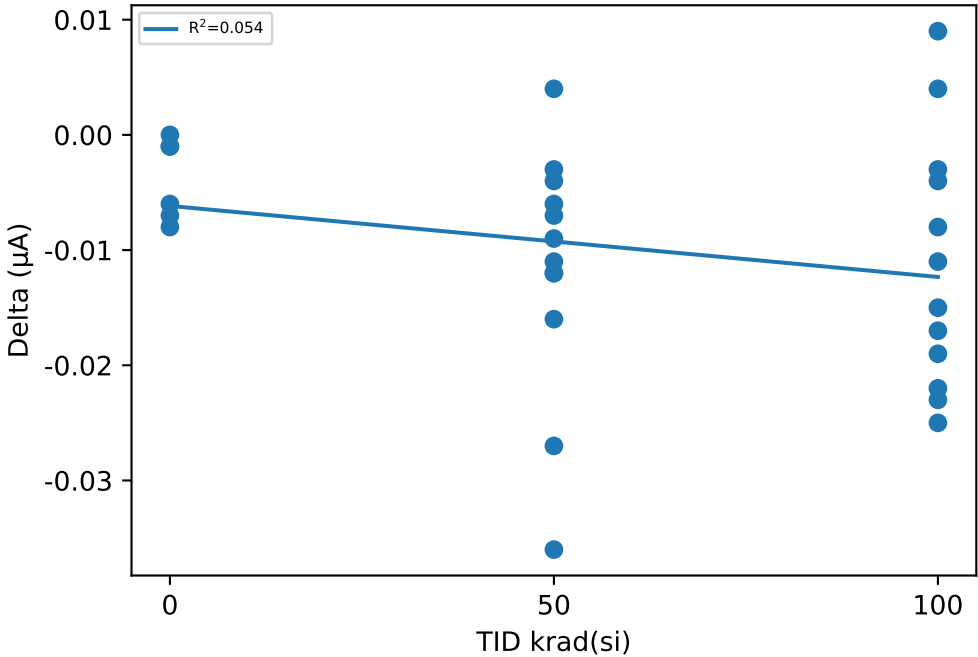
TID vs Result Stats



Test Results (Lower Limit = 23.28, Upper Limit = 24.72 (µA))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 24.045     | 24.037      | -0.008 |
| 201      | 0        | Correlation         | 24.139     | 24.133      | -0.006 |
| 202      | 0        | Correlation         | 24.081     | 24.074      | -0.007 |
| 203      | 50       | Biased              | 24.079     | 24.083      | 0.004  |
| 204      | 50       | Biased              | 23.99      | 23.987      | -0.003 |
| 205      | 50       | Biased              | 23.979     | 23.952      | -0.027 |
| 206      | 50       | Biased              | 24.091     | 24.085      | -0.006 |
| 207      | 50       | Biased              | 23.952     | 23.941      | -0.011 |
| 208      | 50       | Biased              | 24.063     | 24.047      | -0.016 |
| 209      | 50       | Unbiased            | 24.012     | 24.003      | -0.009 |
| 210      | 50       | Unbiased            | 24.04      | 24.004      | -0.036 |
| 211      | 50       | Unbiased            | 24         | 23.996      | -0.004 |
| 212      | 50       | Unbiased            | 23.977     | 23.965      | -0.012 |
| 213      | 50       | Unbiased            | 24.065     | 24.053      | -0.012 |
| 214      | 50       | Unbiased            | 24.11      | 24.103      | -0.007 |
| 1200     | 0        | Correlation         | 24.045     | 24.044      | -0.001 |
| 1201     | 0        | Correlation         | 24.139     | 24.138      | -0.001 |
| 1202     | 0        | Correlation         | 24.081     | 24.081      | 0      |
| 1203     | 100      | Biased              | 24.079     | 24.075      | -0.004 |
| 1204     | 100      | Biased              | 23.99      | 23.971      | -0.019 |
| 1205     | 100      | Biased              | 23.979     | 23.954      | -0.025 |
| 1206     | 100      | Biased              | 24.091     | 24.088      | -0.003 |
| 1207     | 100      | Biased              | 23.952     | 23.941      | -0.011 |
| 1208     | 100      | Biased              | 24.063     | 24.041      | -0.022 |
| 1209     | 100      | Unbiased            | 24.012     | 23.995      | -0.017 |
| 1210     | 100      | Unbiased            | 24.04      | 24.017      | -0.023 |
| 1211     | 100      | Unbiased            | 24         | 24.004      | 0.004  |
| 1212     | 100      | Unbiased            | 23.977     | 23.986      | 0.009  |
| 1213     | 100      | Unbiased            | 24.065     | 24.05       | -0.015 |
| 1214     | 100      | Unbiased            | 24.11      | 24.102      | -0.008 |

TID vs Post - Pre Exposure Delta

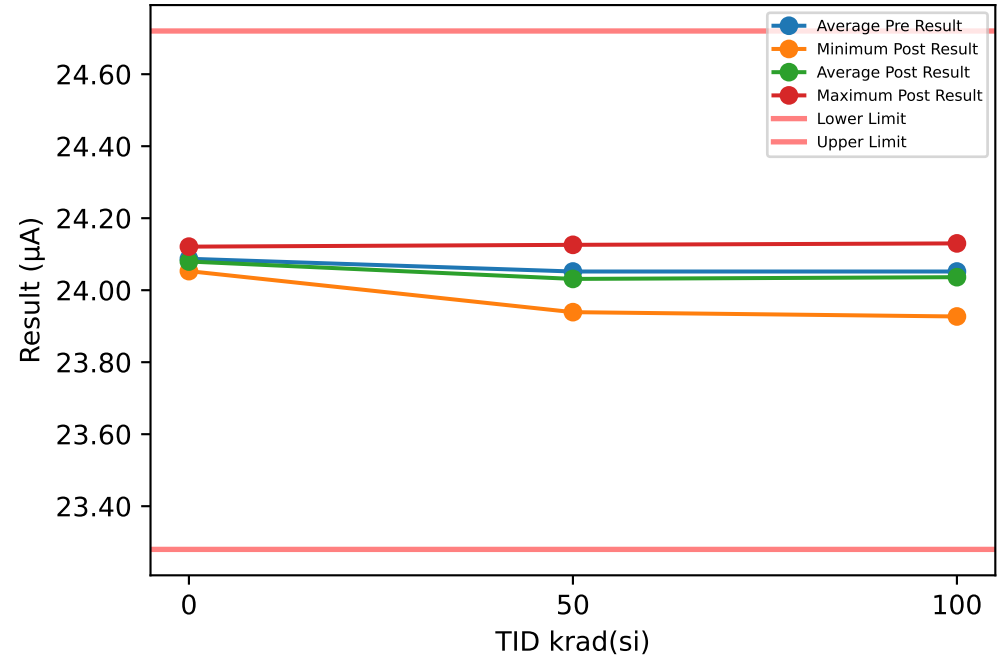


Test Statistics (µA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 24.045           | 24.088           | 24.139           | 0.04242          | 24.037            | 24.085            | 24.138            | 0.042973          | -0.008    | -0.0038333 | 0         | 0.0035449 |
| 50       | 23.952           | 24.03            | 24.11            | 0.05157          | 23.941            | 24.018            | 24.103            | 0.054743          | -0.036    | -0.011583  | 0.004     | 0.010816  |
| 100      | 23.952           | 24.03            | 24.11            | 0.05157          | 23.941            | 24.019            | 24.102            | 0.052861          | -0.025    | -0.011167  | 0.009     | 0.01097   |

Device Test: 6.26 ; IHYS

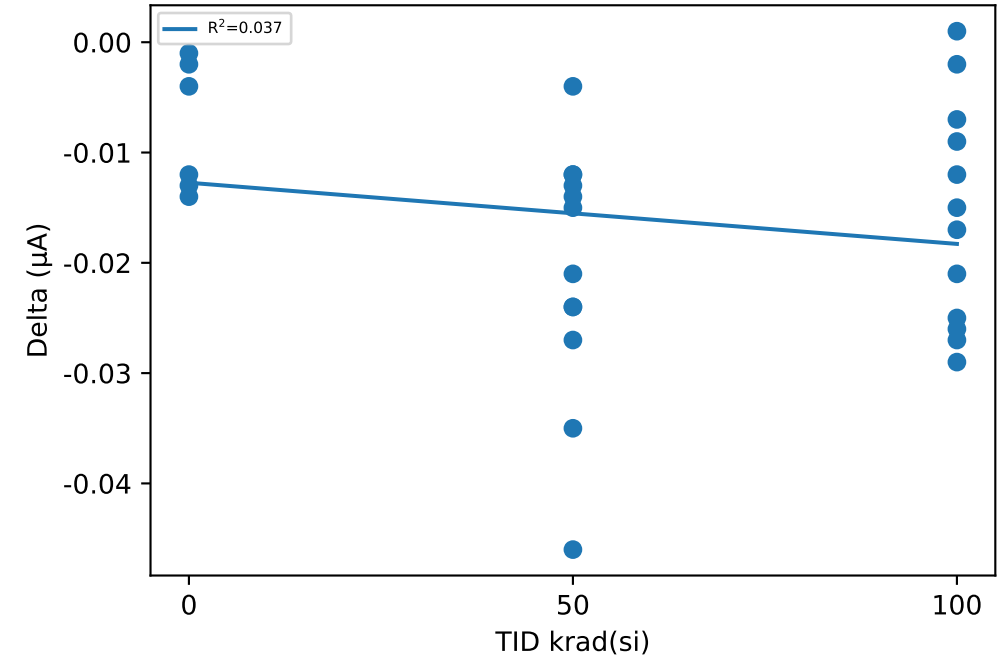
TID vs Result Stats



Test Results (Lower Limit = 23.28, Upper Limit = 24.72 (µA))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 24.074     | 24.06       | -0.014 |
| 201      | 0        | Correlation         | 24.123     | 24.11       | -0.013 |
| 202      | 0        | Correlation         | 24.065     | 24.053      | -0.012 |
| 203      | 50       | Biased              | 24.018     | 24.014      | -0.004 |
| 204      | 50       | Biased              | 23.952     | 23.939      | -0.013 |
| 205      | 50       | Biased              | 24.06      | 24.025      | -0.035 |
| 206      | 50       | Biased              | 24.137     | 24.123      | -0.014 |
| 207      | 50       | Biased              | 23.999     | 23.978      | -0.021 |
| 208      | 50       | Biased              | 24.095     | 24.068      | -0.027 |
| 209      | 50       | Unbiased            | 23.957     | 23.942      | -0.015 |
| 210      | 50       | Unbiased            | 24.099     | 24.053      | -0.046 |
| 211      | 50       | Unbiased            | 24.056     | 24.044      | -0.012 |
| 212      | 50       | Unbiased            | 24.002     | 23.978      | -0.024 |
| 213      | 50       | Unbiased            | 24.15      | 24.126      | -0.024 |
| 214      | 50       | Unbiased            | 24.098     | 24.086      | -0.012 |
| 1200     | 0        | Correlation         | 24.074     | 24.07       | -0.004 |
| 1201     | 0        | Correlation         | 24.123     | 24.121      | -0.002 |
| 1202     | 0        | Correlation         | 24.065     | 24.064      | -0.001 |
| 1203     | 100      | Biased              | 24.018     | 24.009      | -0.009 |
| 1204     | 100      | Biased              | 23.952     | 23.927      | -0.025 |
| 1205     | 100      | Biased              | 24.06      | 24.033      | -0.027 |
| 1206     | 100      | Biased              | 24.137     | 24.13       | -0.007 |
| 1207     | 100      | Biased              | 23.999     | 23.982      | -0.017 |
| 1208     | 100      | Biased              | 24.095     | 24.069      | -0.026 |
| 1209     | 100      | Unbiased            | 23.957     | 23.942      | -0.015 |
| 1210     | 100      | Unbiased            | 24.099     | 24.07       | -0.029 |
| 1211     | 100      | Unbiased            | 24.056     | 24.054      | -0.002 |
| 1212     | 100      | Unbiased            | 24.002     | 24.003      | 0.001  |
| 1213     | 100      | Unbiased            | 24.15      | 24.129      | -0.021 |
| 1214     | 100      | Unbiased            | 24.098     | 24.086      | -0.012 |

TID vs Post - Pre Exposure Delta

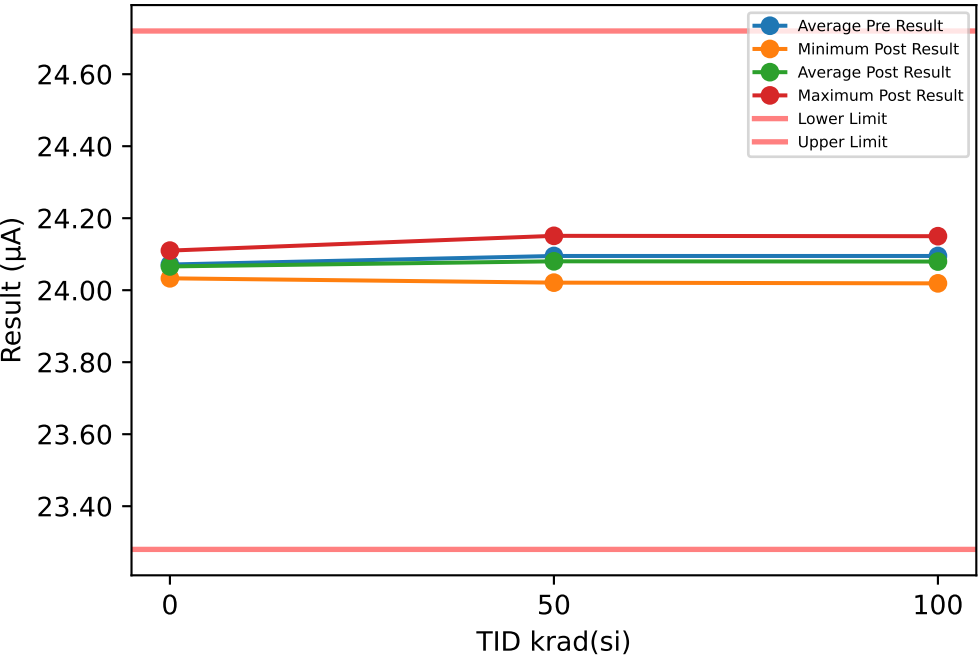


Test Statistics (µA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 24.065           | 24.087           | 24.123           | 0.027919         | 24.053            | 24.08             | 24.121            | 0.028514          | -0.014    | -0.0076667 | -0.001    | 0.0059554 |
| 50       | 23.952           | 24.052           | 24.15            | 0.066451         | 23.939            | 24.031            | 24.126            | 0.063863          | -0.046    | -0.020583  | -0.004    | 0.011572  |
| 100      | 23.952           | 24.052           | 24.15            | 0.066451         | 23.927            | 24.036            | 24.13             | 0.066067          | -0.029    | -0.01575   | 0.001     | 0.010128  |

Device Test: 6.27 ; IHYS

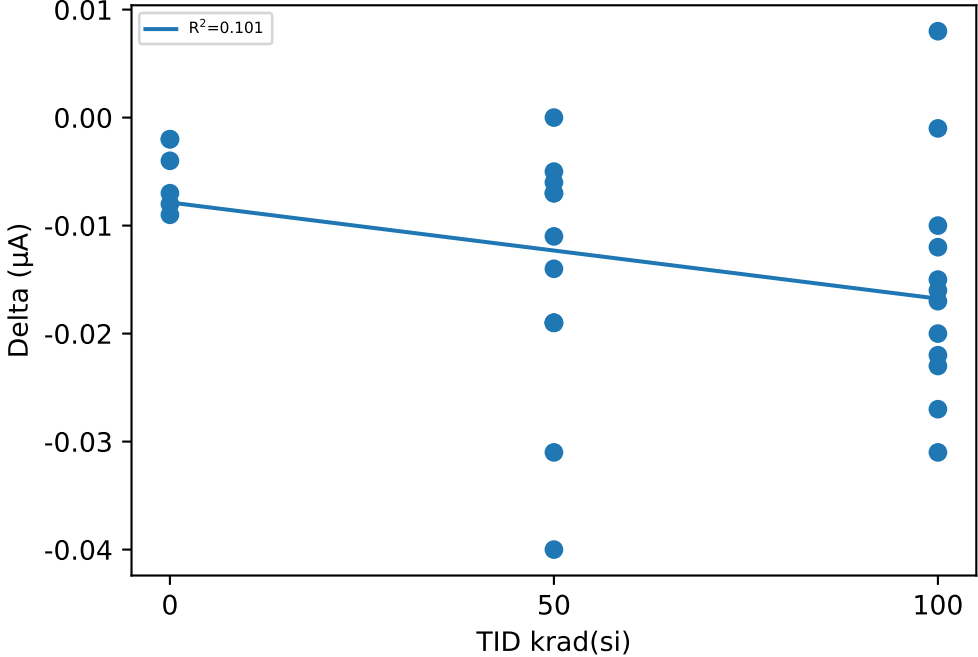
TID vs Result Stats



Test Results (Lower Limit = 23.28, Upper Limit = 24.72 (µA))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 24.061     | 24.052      | -0.009 |
| 201      | 0        | Correlation         | 24.112     | 24.105      | -0.007 |
| 202      | 0        | Correlation         | 24.041     | 24.033      | -0.008 |
| 203      | 50       | Biased              | 24.118     | 24.118      | 0      |
| 204      | 50       | Biased              | 24.041     | 24.034      | -0.007 |
| 205      | 50       | Biased              | 24.104     | 24.073      | -0.031 |
| 206      | 50       | Biased              | 24.162     | 24.151      | -0.011 |
| 207      | 50       | Biased              | 24.04      | 24.021      | -0.019 |
| 208      | 50       | Biased              | 24.106     | 24.087      | -0.019 |
| 209      | 50       | Unbiased            | 24.084     | 24.077      | -0.007 |
| 210      | 50       | Unbiased            | 24.111     | 24.071      | -0.04  |
| 211      | 50       | Unbiased            | 24.055     | 24.05       | -0.005 |
| 212      | 50       | Unbiased            | 24.121     | 24.107      | -0.014 |
| 213      | 50       | Unbiased            | 24.119     | 24.1        | -0.019 |
| 214      | 50       | Unbiased            | 24.08      | 24.074      | -0.006 |
| 1200     | 0        | Correlation         | 24.061     | 24.057      | -0.004 |
| 1201     | 0        | Correlation         | 24.112     | 24.11       | -0.002 |
| 1202     | 0        | Correlation         | 24.041     | 24.039      | -0.002 |
| 1203     | 100      | Biased              | 24.118     | 24.108      | -0.01  |
| 1204     | 100      | Biased              | 24.041     | 24.019      | -0.022 |
| 1205     | 100      | Biased              | 24.104     | 24.077      | -0.027 |
| 1206     | 100      | Biased              | 24.162     | 24.15       | -0.012 |
| 1207     | 100      | Biased              | 24.04      | 24.02       | -0.02  |
| 1208     | 100      | Biased              | 24.106     | 24.083      | -0.023 |
| 1209     | 100      | Unbiased            | 24.084     | 24.068      | -0.016 |
| 1210     | 100      | Unbiased            | 24.111     | 24.08       | -0.031 |
| 1211     | 100      | Unbiased            | 24.055     | 24.054      | -0.001 |
| 1212     | 100      | Unbiased            | 24.121     | 24.129      | 0.008  |
| 1213     | 100      | Unbiased            | 24.119     | 24.102      | -0.017 |
| 1214     | 100      | Unbiased            | 24.08      | 24.065      | -0.015 |

TID vs Post - Pre Exposure Delta



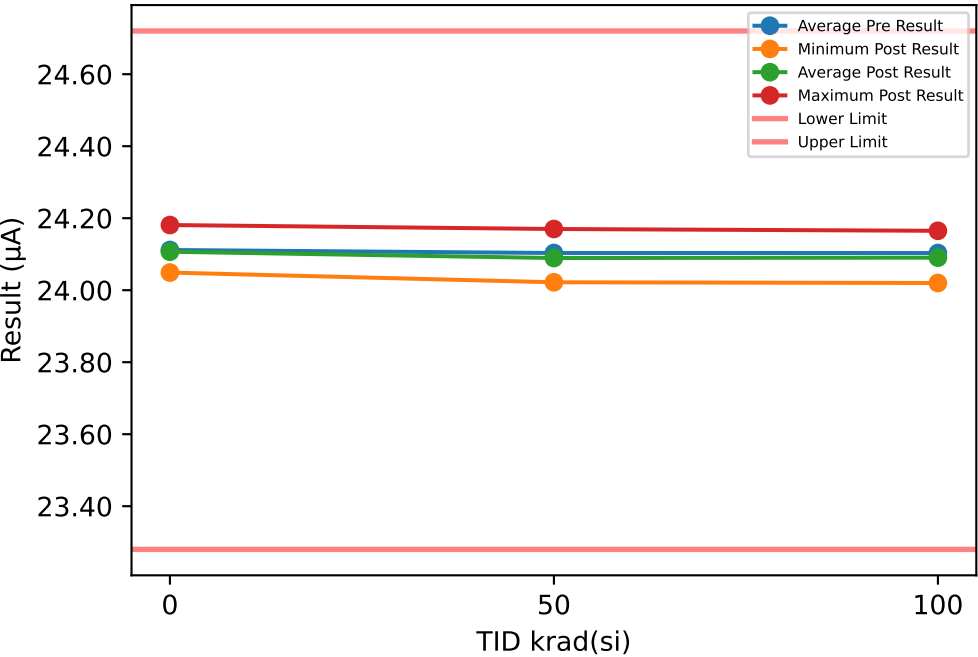
Test Statistics (µA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 24.041           | 24.071           | 24.112           | 0.032745         | 24.033            | 24.066            | 24.11             | 0.033323          | -0.009    | -0.0053333 | -0.002    | 0.0030768 |
| 50       | 24.04            | 24.095           | 24.162           | 0.03645          | 24.021            | 24.08             | 24.151            | 0.036099          | -0.04     | -0.014833  | 0         | 0.011598  |
| 100      | 24.04            | 24.095           | 24.162           | 0.03645          | 24.019            | 24.08             | 24.15             | 0.039255          | -0.031    | -0.0155    | 0.008     | 0.010867  |



Device Test: 6.28 ; IHYS

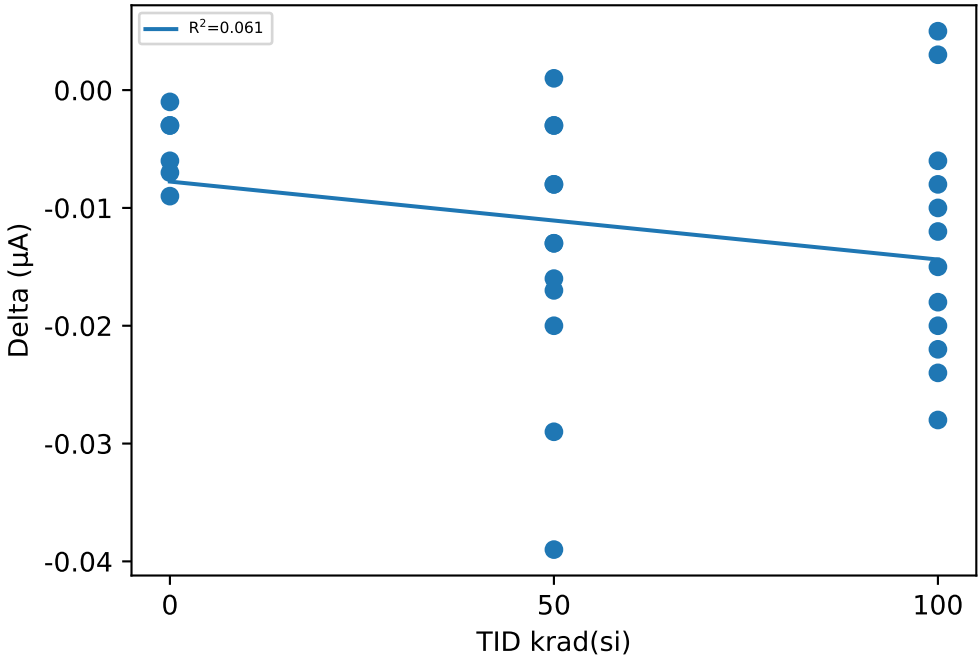
TID vs Result Stats



Test Results (Lower Limit = 23.28, Upper Limit = 24.72 (µA))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 24.058     | 24.049      | -0.009 |
| 201      | 0        | Correlation         | 24.184     | 24.177      | -0.007 |
| 202      | 0        | Correlation         | 24.093     | 24.087      | -0.006 |
| 203      | 50       | Biased              | 24.06      | 24.061      | 0.001  |
| 204      | 50       | Biased              | 24.061     | 24.053      | -0.008 |
| 205      | 50       | Biased              | 24.087     | 24.058      | -0.029 |
| 206      | 50       | Biased              | 24.136     | 24.123      | -0.013 |
| 207      | 50       | Biased              | 24.067     | 24.051      | -0.016 |
| 208      | 50       | Biased              | 24.105     | 24.085      | -0.02  |
| 209      | 50       | Unbiased            | 24.03      | 24.022      | -0.008 |
| 210      | 50       | Unbiased            | 24.148     | 24.109      | -0.039 |
| 211      | 50       | Unbiased            | 24.125     | 24.122      | -0.003 |
| 212      | 50       | Unbiased            | 24.082     | 24.065      | -0.017 |
| 213      | 50       | Unbiased            | 24.166     | 24.153      | -0.013 |
| 214      | 50       | Unbiased            | 24.173     | 24.17       | -0.003 |
| 1200     | 0        | Correlation         | 24.058     | 24.055      | -0.003 |
| 1201     | 0        | Correlation         | 24.184     | 24.181      | -0.003 |
| 1202     | 0        | Correlation         | 24.093     | 24.092      | -0.001 |
| 1203     | 100      | Biased              | 24.06      | 24.054      | -0.006 |
| 1204     | 100      | Biased              | 24.061     | 24.041      | -0.02  |
| 1205     | 100      | Biased              | 24.087     | 24.065      | -0.022 |
| 1206     | 100      | Biased              | 24.136     | 24.124      | -0.012 |
| 1207     | 100      | Biased              | 24.067     | 24.049      | -0.018 |
| 1208     | 100      | Biased              | 24.105     | 24.081      | -0.024 |
| 1209     | 100      | Unbiased            | 24.03      | 24.02       | -0.01  |
| 1210     | 100      | Unbiased            | 24.148     | 24.12       | -0.028 |
| 1211     | 100      | Unbiased            | 24.125     | 24.128      | 0.003  |
| 1212     | 100      | Unbiased            | 24.082     | 24.087      | 0.005  |
| 1213     | 100      | Unbiased            | 24.166     | 24.151      | -0.015 |
| 1214     | 100      | Unbiased            | 24.173     | 24.165      | -0.008 |

TID vs Post - Pre Exposure Delta

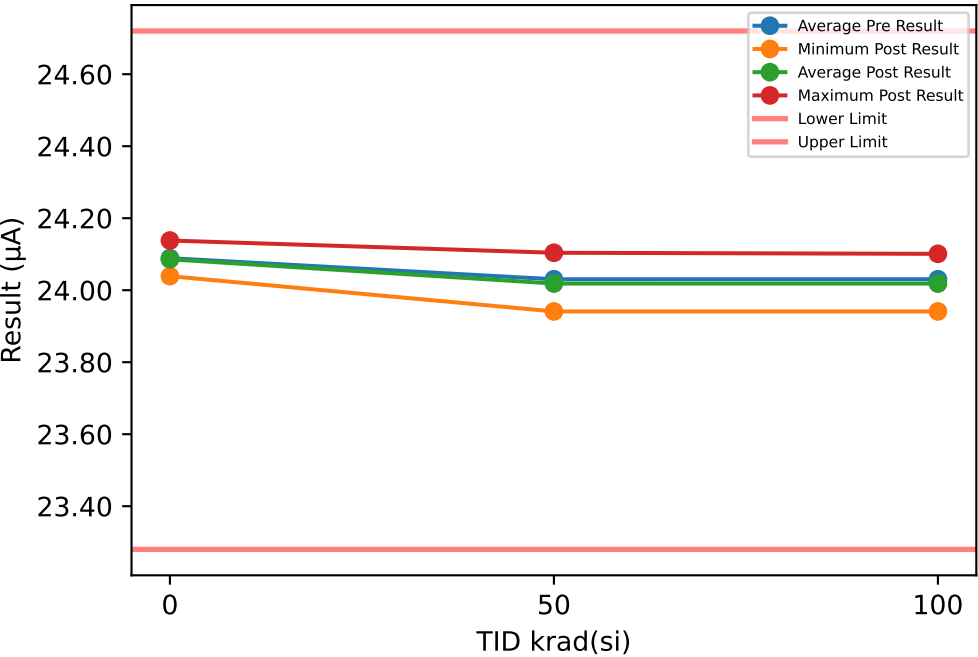


Test Statistics (µA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 24.058           | 24.112           | 24.184           | 0.058174         | 24.049            | 24.107            | 24.181            | 0.058427          | -0.009    | -0.0048333 | -0.001    | 0.0029944 |
| 50       | 24.03            | 24.103           | 24.173           | 0.046127         | 24.022            | 24.089            | 24.17             | 0.045594          | -0.039    | -0.014     | 0.001     | 0.011442  |
| 100      | 24.03            | 24.103           | 24.173           | 0.046127         | 24.02             | 24.09             | 24.165            | 0.046551          | -0.028    | -0.012917  | 0.005     | 0.010308  |

Device Test: 6.29 ; IHYS

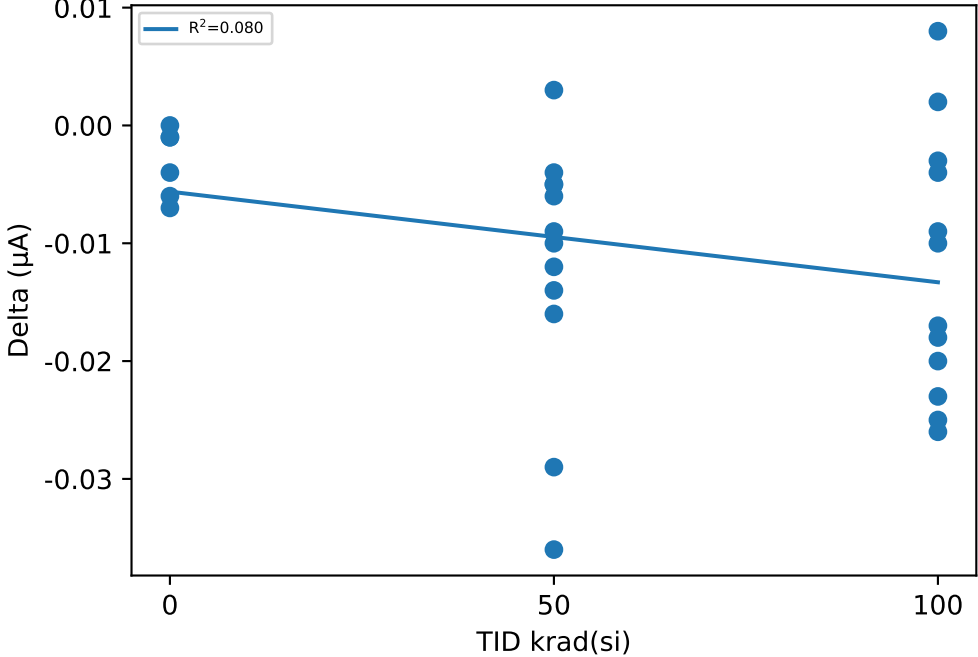
TID vs Result Stats



Test Results (Lower Limit = 23.28, Upper Limit = 24.72 (µA))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 24.046     | 24.039      | -0.007 |
| 201      | 0        | Correlation         | 24.139     | 24.135      | -0.004 |
| 202      | 0        | Correlation         | 24.082     | 24.076      | -0.006 |
| 203      | 50       | Biased              | 24.08      | 24.083      | 0.003  |
| 204      | 50       | Biased              | 23.991     | 23.987      | -0.004 |
| 205      | 50       | Biased              | 23.981     | 23.952      | -0.029 |
| 206      | 50       | Biased              | 24.091     | 24.086      | -0.005 |
| 207      | 50       | Biased              | 23.951     | 23.941      | -0.01  |
| 208      | 50       | Biased              | 24.063     | 24.047      | -0.016 |
| 209      | 50       | Unbiased            | 24.013     | 24.004      | -0.009 |
| 210      | 50       | Unbiased            | 24.04      | 24.004      | -0.036 |
| 211      | 50       | Unbiased            | 24.001     | 23.996      | -0.005 |
| 212      | 50       | Unbiased            | 23.978     | 23.966      | -0.012 |
| 213      | 50       | Unbiased            | 24.066     | 24.052      | -0.014 |
| 214      | 50       | Unbiased            | 24.11      | 24.104      | -0.006 |
| 1200     | 0        | Correlation         | 24.046     | 24.045      | -0.001 |
| 1201     | 0        | Correlation         | 24.139     | 24.138      | -0.001 |
| 1202     | 0        | Correlation         | 24.082     | 24.082      | 0      |
| 1203     | 100      | Biased              | 24.08      | 24.076      | -0.004 |
| 1204     | 100      | Biased              | 23.991     | 23.971      | -0.02  |
| 1205     | 100      | Biased              | 23.981     | 23.955      | -0.026 |
| 1206     | 100      | Biased              | 24.091     | 24.088      | -0.003 |
| 1207     | 100      | Biased              | 23.951     | 23.941      | -0.01  |
| 1208     | 100      | Biased              | 24.063     | 24.04       | -0.023 |
| 1209     | 100      | Unbiased            | 24.013     | 23.995      | -0.018 |
| 1210     | 100      | Unbiased            | 24.04      | 24.015      | -0.025 |
| 1211     | 100      | Unbiased            | 24.001     | 24.003      | 0.002  |
| 1212     | 100      | Unbiased            | 23.978     | 23.986      | 0.008  |
| 1213     | 100      | Unbiased            | 24.066     | 24.049      | -0.017 |
| 1214     | 100      | Unbiased            | 24.11      | 24.101      | -0.009 |

TID vs Post - Pre Exposure Delta

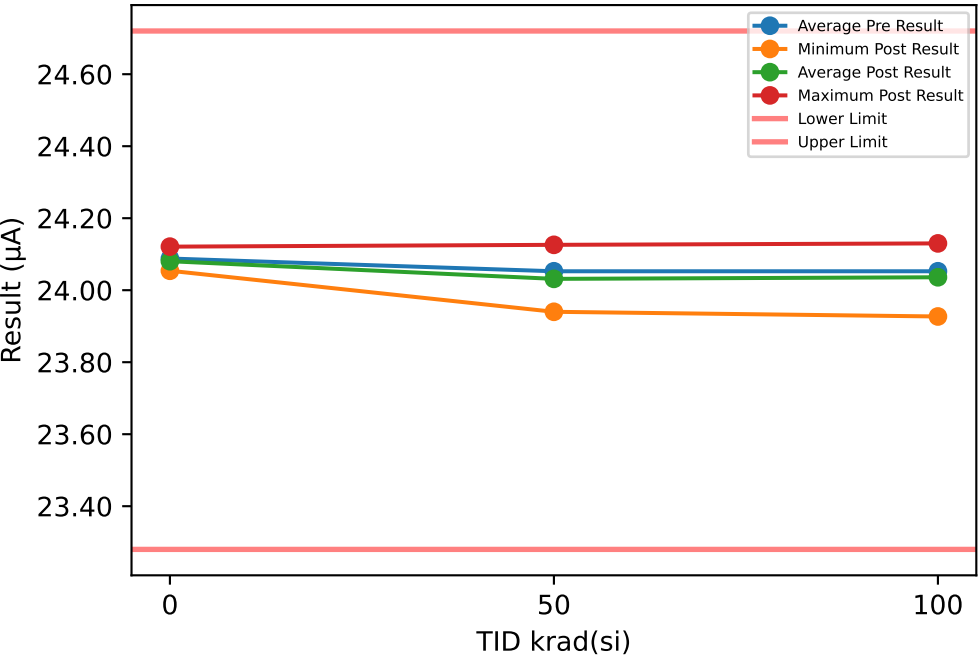


Test Statistics (µA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 24.046           | 24.089           | 24.139           | 0.041943         | 24.039            | 24.086            | 24.138            | 0.042687          | -0.007    | -0.0031667 | 0         | 0.0029269 |
| 50       | 23.951           | 24.03            | 24.11            | 0.051435         | 23.941            | 24.018            | 24.104            | 0.054826          | -0.036    | -0.011917  | 0.003     | 0.010958  |
| 100      | 23.951           | 24.03            | 24.11            | 0.051435         | 23.941            | 24.018            | 24.101            | 0.052649          | -0.026    | -0.012083  | 0.008     | 0.011139  |

Device Test: 6.30 ; IHYS

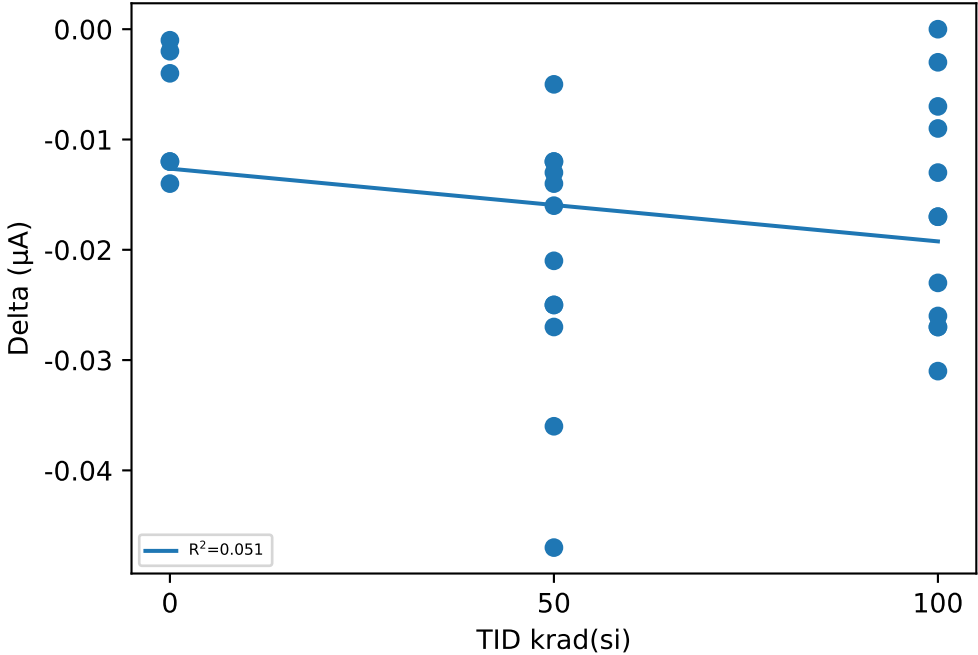
TID vs Result Stats



Test Results (Lower Limit = 23.28, Upper Limit = 24.72 (µA))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 24.075     | 24.061      | -0.014 |
| 201      | 0        | Correlation         | 24.123     | 24.111      | -0.012 |
| 202      | 0        | Correlation         | 24.066     | 24.054      | -0.012 |
| 203      | 50       | Biased              | 24.019     | 24.014      | -0.005 |
| 204      | 50       | Biased              | 23.953     | 23.94       | -0.013 |
| 205      | 50       | Biased              | 24.061     | 24.025      | -0.036 |
| 206      | 50       | Biased              | 24.137     | 24.123      | -0.014 |
| 207      | 50       | Biased              | 23.999     | 23.978      | -0.021 |
| 208      | 50       | Biased              | 24.095     | 24.068      | -0.027 |
| 209      | 50       | Unbiased            | 23.959     | 23.943      | -0.016 |
| 210      | 50       | Unbiased            | 24.1       | 24.053      | -0.047 |
| 211      | 50       | Unbiased            | 24.056     | 24.044      | -0.012 |
| 212      | 50       | Unbiased            | 24.003     | 23.978      | -0.025 |
| 213      | 50       | Unbiased            | 24.151     | 24.126      | -0.025 |
| 214      | 50       | Unbiased            | 24.098     | 24.086      | -0.012 |
| 1200     | 0        | Correlation         | 24.075     | 24.071      | -0.004 |
| 1201     | 0        | Correlation         | 24.123     | 24.121      | -0.002 |
| 1202     | 0        | Correlation         | 24.066     | 24.065      | -0.001 |
| 1203     | 100      | Biased              | 24.019     | 24.01       | -0.009 |
| 1204     | 100      | Biased              | 23.953     | 23.927      | -0.026 |
| 1205     | 100      | Biased              | 24.061     | 24.034      | -0.027 |
| 1206     | 100      | Biased              | 24.137     | 24.13       | -0.007 |
| 1207     | 100      | Biased              | 23.999     | 23.982      | -0.017 |
| 1208     | 100      | Biased              | 24.095     | 24.068      | -0.027 |
| 1209     | 100      | Unbiased            | 23.959     | 23.942      | -0.017 |
| 1210     | 100      | Unbiased            | 24.1       | 24.069      | -0.031 |
| 1211     | 100      | Unbiased            | 24.056     | 24.053      | -0.003 |
| 1212     | 100      | Unbiased            | 24.003     | 24.003      | 0      |
| 1213     | 100      | Unbiased            | 24.151     | 24.128      | -0.023 |
| 1214     | 100      | Unbiased            | 24.098     | 24.085      | -0.013 |

TID vs Post - Pre Exposure Delta

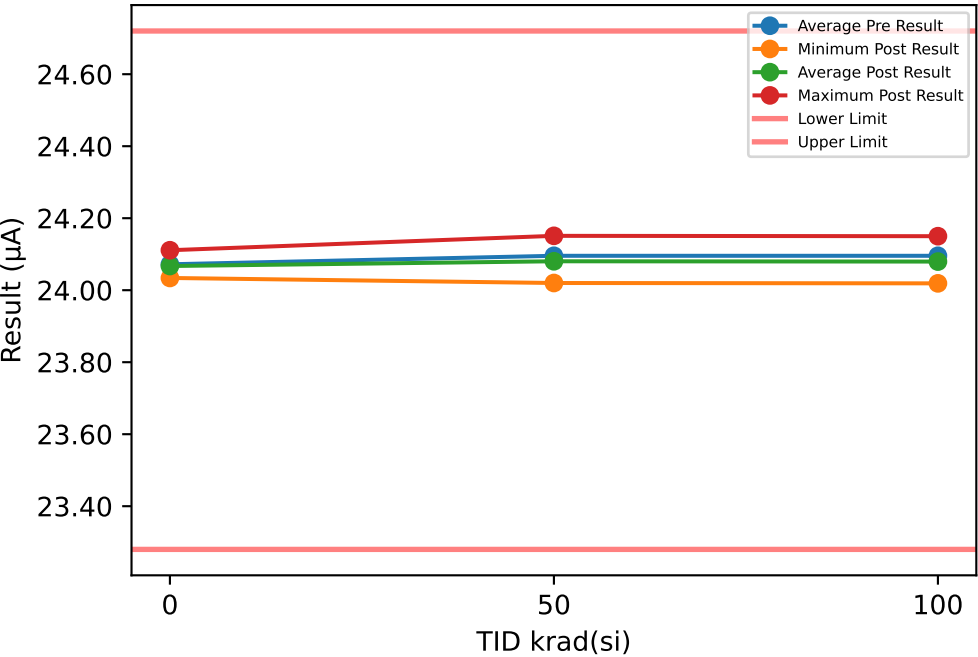


Test Statistics (µA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 24.066           | 24.088           | 24.123           | 0.027408         | 24.054            | 24.081            | 24.121            | 0.028226          | -0.014    | -0.0075   | -0.001    | 0.0057879 |
| 50       | 23.953           | 24.053           | 24.151           | 0.066152         | 23.94             | 24.031            | 24.126            | 0.063605          | -0.047    | -0.021083 | -0.005    | 0.011774  |
| 100      | 23.953           | 24.053           | 24.151           | 0.066152         | 23.927            | 24.036            | 24.13             | 0.065716          | -0.031    | -0.016667 | 0         | 0.010343  |

Device Test: 6.31 ; IHYS

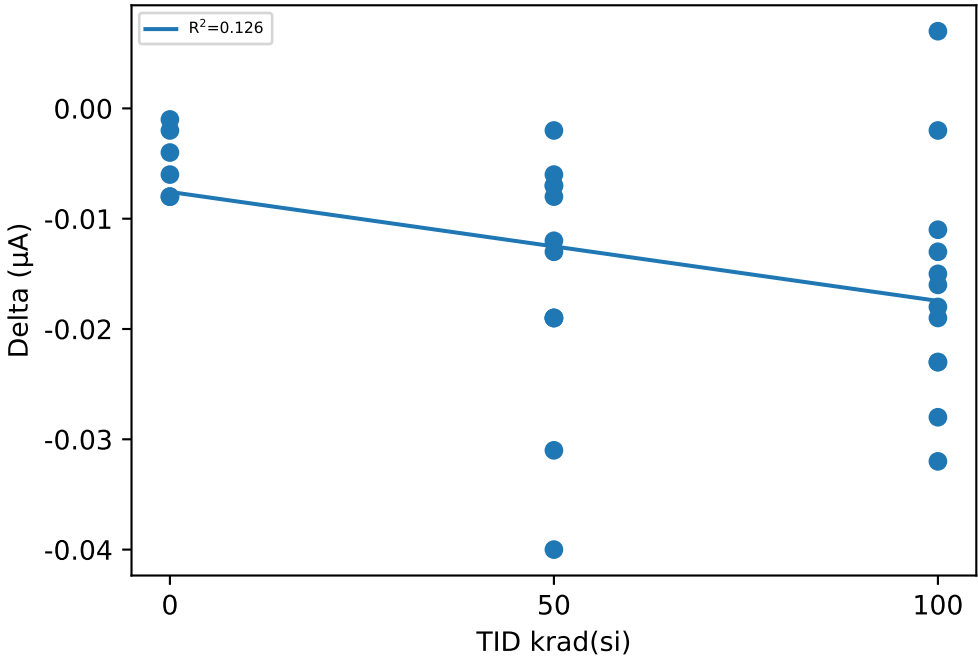
TID vs Result Stats



Test Results (Lower Limit = 23.28, Upper Limit = 24.72 (µA))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 24.062     | 24.054      | -0.008 |
| 201      | 0        | Correlation         | 24.112     | 24.106      | -0.006 |
| 202      | 0        | Correlation         | 24.042     | 24.034      | -0.008 |
| 203      | 50       | Biased              | 24.12      | 24.118      | -0.002 |
| 204      | 50       | Biased              | 24.042     | 24.034      | -0.008 |
| 205      | 50       | Biased              | 24.105     | 24.074      | -0.031 |
| 206      | 50       | Biased              | 24.163     | 24.151      | -0.012 |
| 207      | 50       | Biased              | 24.039     | 24.02       | -0.019 |
| 208      | 50       | Biased              | 24.106     | 24.087      | -0.019 |
| 209      | 50       | Unbiased            | 24.085     | 24.078      | -0.007 |
| 210      | 50       | Unbiased            | 24.111     | 24.071      | -0.04  |
| 211      | 50       | Unbiased            | 24.056     | 24.049      | -0.007 |
| 212      | 50       | Unbiased            | 24.121     | 24.108      | -0.013 |
| 213      | 50       | Unbiased            | 24.119     | 24.1        | -0.019 |
| 214      | 50       | Unbiased            | 24.08      | 24.074      | -0.006 |
| 1200     | 0        | Correlation         | 24.062     | 24.058      | -0.004 |
| 1201     | 0        | Correlation         | 24.112     | 24.111      | -0.001 |
| 1202     | 0        | Correlation         | 24.042     | 24.04       | -0.002 |
| 1203     | 100      | Biased              | 24.12      | 24.109      | -0.011 |
| 1204     | 100      | Biased              | 24.042     | 24.019      | -0.023 |
| 1205     | 100      | Biased              | 24.105     | 24.077      | -0.028 |
| 1206     | 100      | Biased              | 24.163     | 24.15       | -0.013 |
| 1207     | 100      | Biased              | 24.039     | 24.02       | -0.019 |
| 1208     | 100      | Biased              | 24.106     | 24.083      | -0.023 |
| 1209     | 100      | Unbiased            | 24.085     | 24.069      | -0.016 |
| 1210     | 100      | Unbiased            | 24.111     | 24.079      | -0.032 |
| 1211     | 100      | Unbiased            | 24.056     | 24.054      | -0.002 |
| 1212     | 100      | Unbiased            | 24.121     | 24.128      | 0.007  |
| 1213     | 100      | Unbiased            | 24.119     | 24.101      | -0.018 |
| 1214     | 100      | Unbiased            | 24.08      | 24.065      | -0.015 |

TID vs Post - Pre Exposure Delta

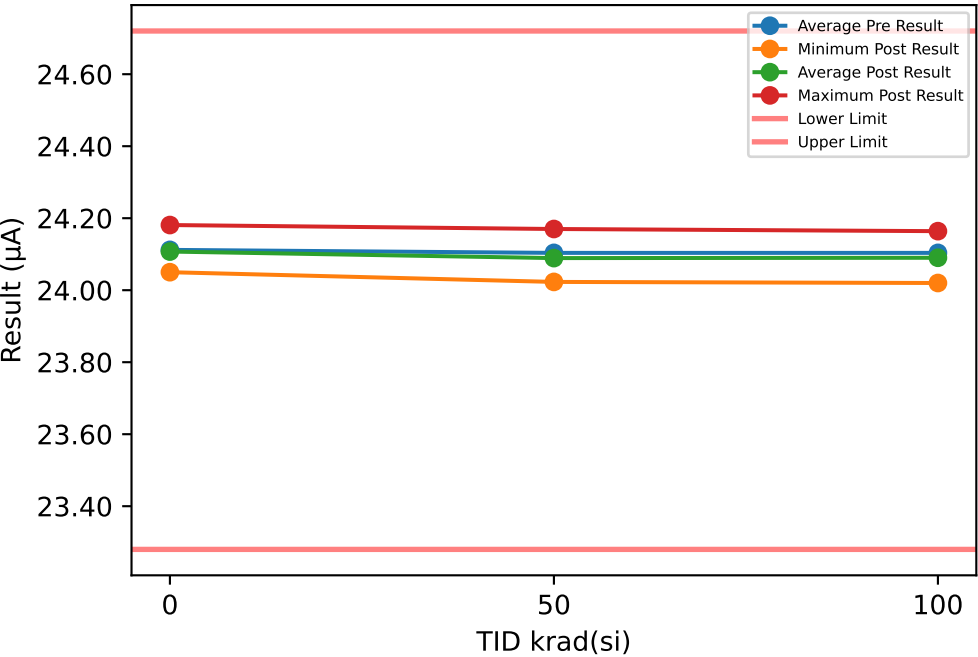


Test Statistics (µA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 24.042           | 24.072           | 24.112           | 0.032249         | 24.034            | 24.067            | 24.111            | 0.033241          | -0.008    | -0.0048333 | -0.001    | 0.0029944 |
| 50       | 24.039           | 24.096           | 24.163           | 0.036637         | 24.02             | 24.08             | 24.151            | 0.03637           | -0.04     | -0.01525   | -0.002    | 0.011153  |
| 100      | 24.039           | 24.096           | 24.163           | 0.036637         | 24.019            | 24.079            | 24.15             | 0.039133          | -0.032    | -0.016083  | 0.007     | 0.010749  |

Device Test: 6.32 ; IHYS

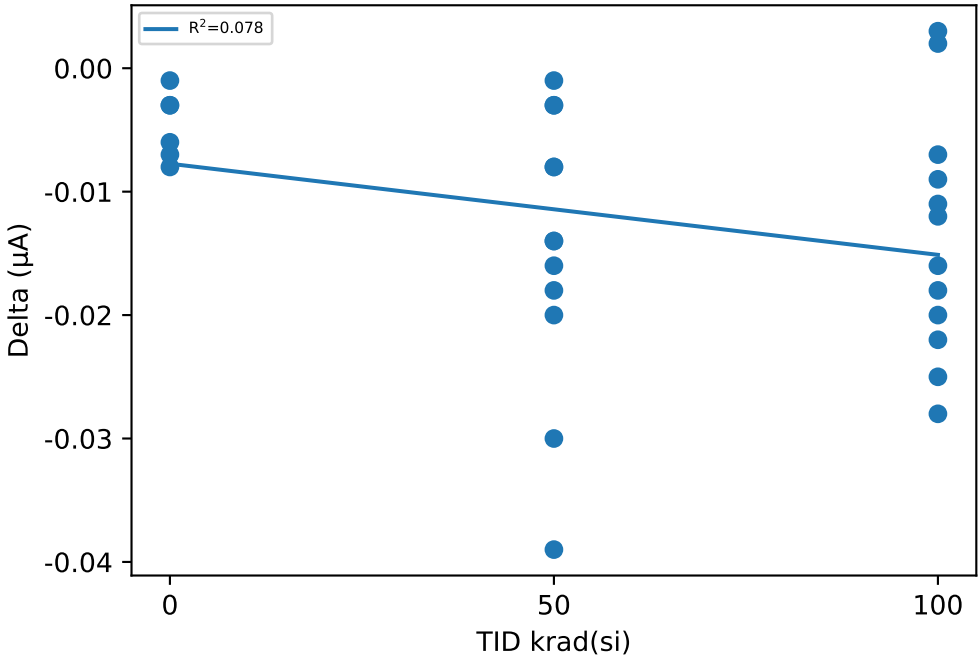
TID vs Result Stats



Test Results (Lower Limit = 23.28, Upper Limit = 24.72 (µA))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 24.058     | 24.05       | -0.008 |
| 201      | 0        | Correlation         | 24.184     | 24.178      | -0.006 |
| 202      | 0        | Correlation         | 24.094     | 24.087      | -0.007 |
| 203      | 50       | Biased              | 24.061     | 24.06       | -0.001 |
| 204      | 50       | Biased              | 24.062     | 24.054      | -0.008 |
| 205      | 50       | Biased              | 24.088     | 24.058      | -0.03  |
| 206      | 50       | Biased              | 24.136     | 24.122      | -0.014 |
| 207      | 50       | Biased              | 24.066     | 24.05       | -0.016 |
| 208      | 50       | Biased              | 24.105     | 24.085      | -0.02  |
| 209      | 50       | Unbiased            | 24.031     | 24.023      | -0.008 |
| 210      | 50       | Unbiased            | 24.148     | 24.109      | -0.039 |
| 211      | 50       | Unbiased            | 24.125     | 24.122      | -0.003 |
| 212      | 50       | Unbiased            | 24.083     | 24.065      | -0.018 |
| 213      | 50       | Unbiased            | 24.166     | 24.152      | -0.014 |
| 214      | 50       | Unbiased            | 24.173     | 24.17       | -0.003 |
| 1200     | 0        | Correlation         | 24.058     | 24.055      | -0.003 |
| 1201     | 0        | Correlation         | 24.184     | 24.181      | -0.003 |
| 1202     | 0        | Correlation         | 24.094     | 24.093      | -0.001 |
| 1203     | 100      | Biased              | 24.061     | 24.054      | -0.007 |
| 1204     | 100      | Biased              | 24.062     | 24.042      | -0.02  |
| 1205     | 100      | Biased              | 24.088     | 24.066      | -0.022 |
| 1206     | 100      | Biased              | 24.136     | 24.124      | -0.012 |
| 1207     | 100      | Biased              | 24.066     | 24.048      | -0.018 |
| 1208     | 100      | Biased              | 24.105     | 24.08       | -0.025 |
| 1209     | 100      | Unbiased            | 24.031     | 24.02       | -0.011 |
| 1210     | 100      | Unbiased            | 24.148     | 24.12       | -0.028 |
| 1211     | 100      | Unbiased            | 24.125     | 24.127      | 0.002  |
| 1212     | 100      | Unbiased            | 24.083     | 24.086      | 0.003  |
| 1213     | 100      | Unbiased            | 24.166     | 24.15       | -0.016 |
| 1214     | 100      | Unbiased            | 24.173     | 24.164      | -0.009 |

TID vs Post - Pre Exposure Delta

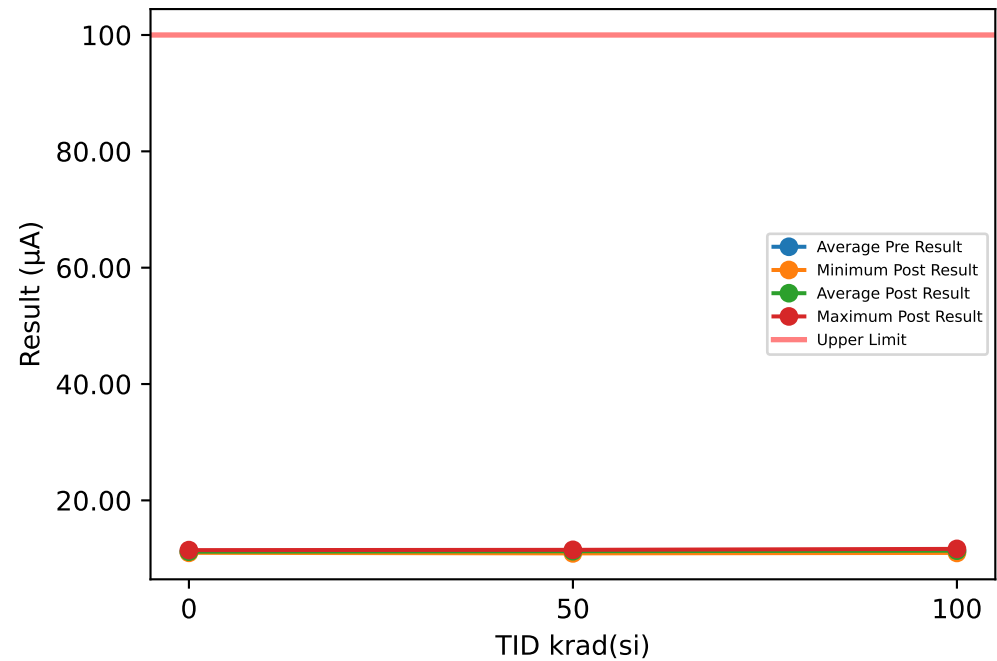


Test Statistics (µA)

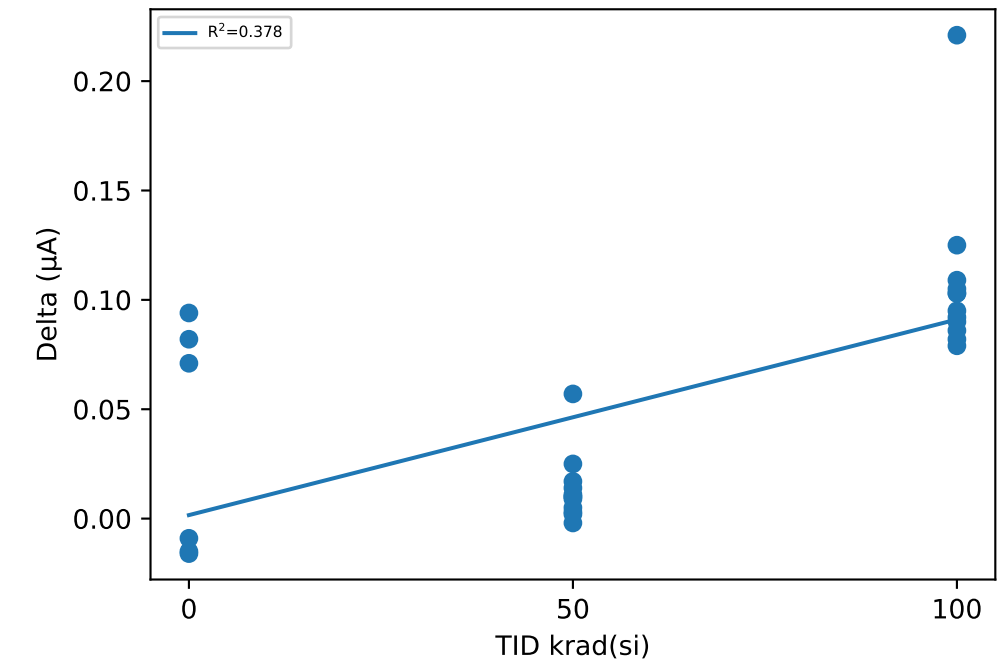
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 24.058           | 24.112           | 24.184           | 0.058048         | 24.05             | 24.107            | 24.181            | 0.058421          | -0.008    | -0.0046667 | -0.001    | 0.0027325 |
| 50       | 24.031           | 24.104           | 24.173           | 0.045815         | 24.023            | 24.089            | 24.17             | 0.045331          | -0.039    | -0.0145    | -0.001    | 0.01135   |
| 100      | 24.031           | 24.104           | 24.173           | 0.045815         | 24.02             | 24.09             | 24.164            | 0.046178          | -0.028    | -0.013583  | 0.003     | 0.0098485 |

Device Test: 6.33 ; PULL\_UP\_LKG

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (µA))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 11.083     | 11.068      | -0.015 |
| 201      | 0        | Correlation         | 11.001     | 10.985      | -0.016 |
| 202      | 0        | Correlation         | 11.357     | 11.348      | -0.009 |
| 203      | 50       | Biased              | 11.438     | 11.443      | 0.005  |
| 204      | 50       | Biased              | 10.962     | 10.971      | 0.009  |
| 205      | 50       | Biased              | 11.391     | 11.393      | 0.002  |
| 206      | 50       | Biased              | 11.209     | 11.223      | 0.014  |
| 207      | 50       | Biased              | 11.282     | 11.299      | 0.017  |
| 208      | 50       | Biased              | 11.163     | 11.161      | -0.002 |
| 209      | 50       | Unbiased            | 11.442     | 11.499      | 0.057  |
| 210      | 50       | Unbiased            | 10.862     | 10.887      | 0.025  |
| 211      | 50       | Unbiased            | 11.314     | 11.324      | 0.01   |
| 212      | 50       | Unbiased            | 11.288     | 11.291      | 0.003  |
| 213      | 50       | Unbiased            | 11.288     | 11.298      | 0.01   |
| 214      | 50       | Unbiased            | 11.318     | 11.329      | 0.011  |
| 1200     | 0        | Correlation         | 11.083     | 11.165      | 0.082  |
| 1201     | 0        | Correlation         | 11.001     | 11.072      | 0.071  |
| 1202     | 0        | Correlation         | 11.357     | 11.451      | 0.094  |
| 1203     | 100      | Biased              | 11.438     | 11.528      | 0.09   |
| 1204     | 100      | Biased              | 10.962     | 11.044      | 0.082  |
| 1205     | 100      | Biased              | 11.391     | 11.47       | 0.079  |
| 1206     | 100      | Biased              | 11.209     | 11.312      | 0.103  |
| 1207     | 100      | Biased              | 11.282     | 11.374      | 0.092  |
| 1208     | 100      | Biased              | 11.163     | 11.272      | 0.109  |
| 1209     | 100      | Unbiased            | 11.442     | 11.663      | 0.221  |
| 1210     | 100      | Unbiased            | 10.862     | 10.967      | 0.105  |
| 1211     | 100      | Unbiased            | 11.314     | 11.409      | 0.095  |
| 1212     | 100      | Unbiased            | 11.288     | 11.391      | 0.103  |
| 1213     | 100      | Unbiased            | 11.288     | 11.374      | 0.086  |
| 1214     | 100      | Unbiased            | 11.318     | 11.443      | 0.125  |

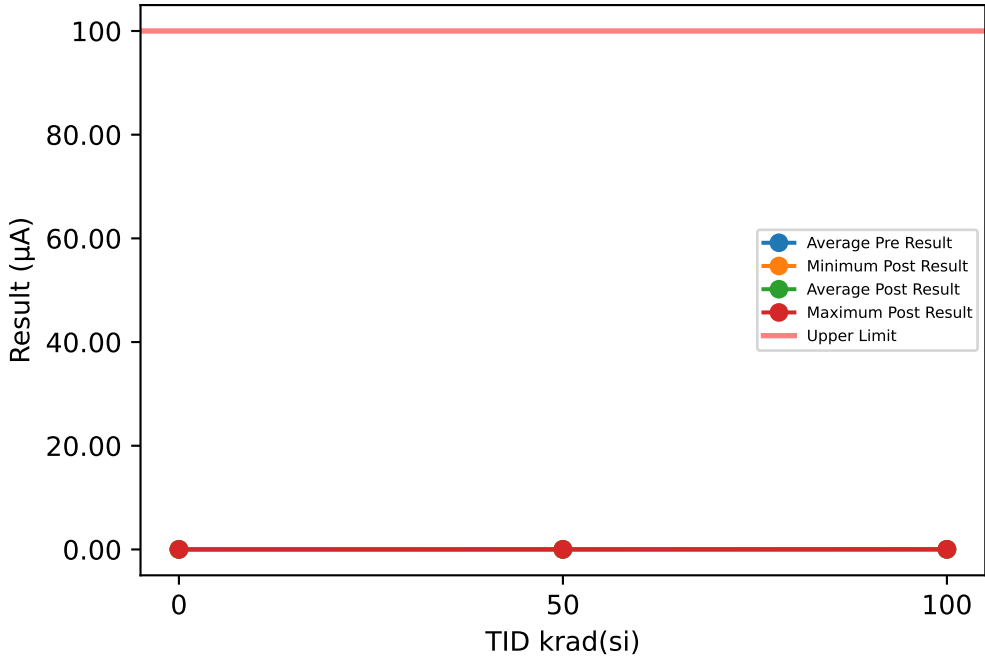
Test Statistics (µA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 11.001           | 11.147           | 11.357           | 0.16675          | 10.985            | 11.181            | 11.451            | 0.18117           | -0.016    | 0.0345    | 0.094     | 0.052956  |
| 50       | 10.862           | 11.246           | 11.442           | 0.17769          | 10.887            | 11.26             | 11.499            | 0.17962           | -0.002    | 0.013417  | 0.057     | 0.0155    |
| 100      | 10.862           | 11.246           | 11.442           | 0.17769          | 10.967            | 11.354            | 11.663            | 0.19228           | 0.079     | 0.1075    | 0.221     | 0.037977  |

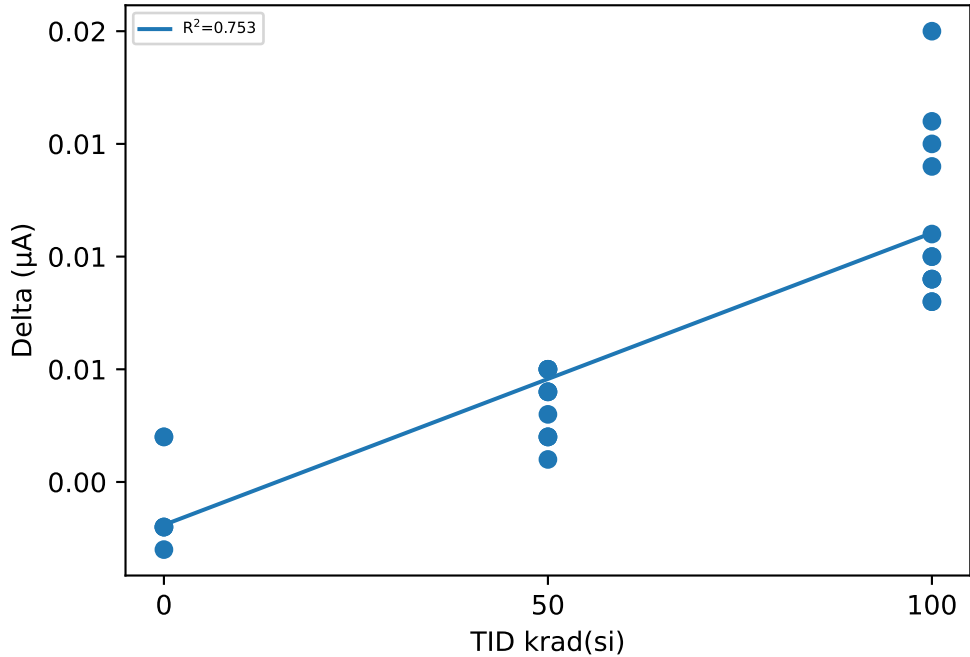


Device Test: 6.34 ; PULL\_UP\_LKG

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (µA))

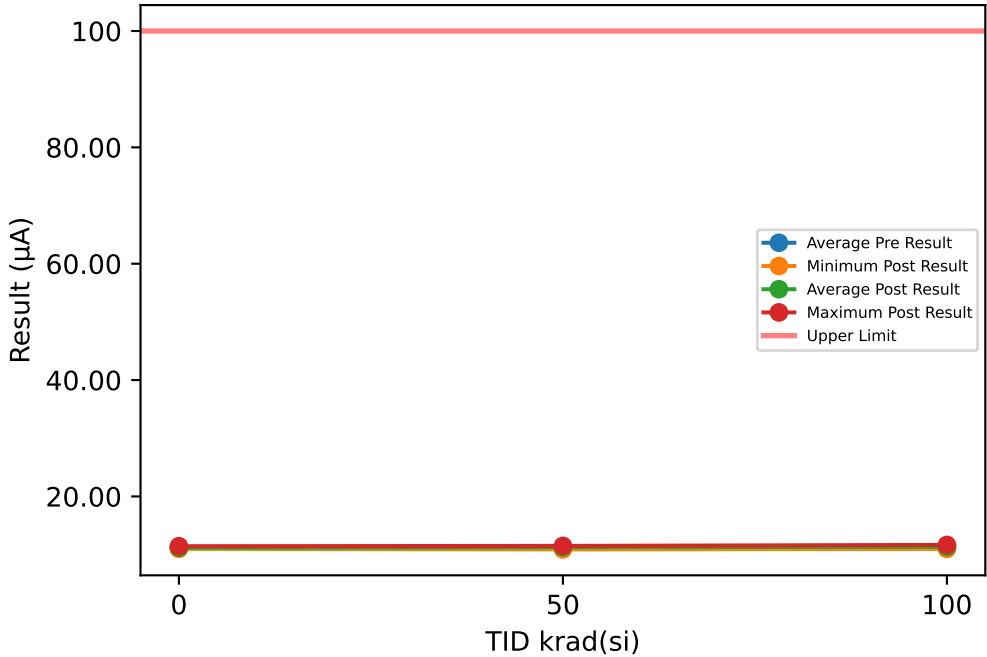
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.013      | 0.011       | -0.002 |
| 201      | 0        | Correlation         | 0.013      | 0.011       | -0.002 |
| 202      | 0        | Correlation         | 0.012      | 0.014       | 0.002  |
| 203      | 50       | Biased              | 0.012      | 0.017       | 0.005  |
| 204      | 50       | Biased              | 0.012      | 0.014       | 0.002  |
| 205      | 50       | Biased              | 0.011      | 0.015       | 0.004  |
| 206      | 50       | Biased              | 0.011      | 0.015       | 0.004  |
| 207      | 50       | Biased              | 0.011      | 0.015       | 0.004  |
| 208      | 50       | Biased              | 0.011      | 0.014       | 0.003  |
| 209      | 50       | Unbiased            | 0.012      | 0.017       | 0.005  |
| 210      | 50       | Unbiased            | 0.013      | 0.015       | 0.002  |
| 211      | 50       | Unbiased            | 0.013      | 0.014       | 0.001  |
| 212      | 50       | Unbiased            | 0.01       | 0.015       | 0.005  |
| 213      | 50       | Unbiased            | 0.012      | 0.014       | 0.002  |
| 214      | 50       | Unbiased            | 0.015      | 0.02        | 0.005  |
| 1200     | 0        | Correlation         | 0.013      | 0.01        | -0.003 |
| 1201     | 0        | Correlation         | 0.013      | 0.011       | -0.002 |
| 1202     | 0        | Correlation         | 0.012      | 0.014       | 0.002  |
| 1203     | 100      | Biased              | 0.012      | 0.028       | 0.016  |
| 1204     | 100      | Biased              | 0.012      | 0.022       | 0.01   |
| 1205     | 100      | Biased              | 0.011      | 0.019       | 0.008  |
| 1206     | 100      | Biased              | 0.011      | 0.022       | 0.011  |
| 1207     | 100      | Biased              | 0.011      | 0.02        | 0.009  |
| 1208     | 100      | Biased              | 0.011      | 0.02        | 0.009  |
| 1209     | 100      | Unbiased            | 0.012      | 0.026       | 0.014  |
| 1210     | 100      | Unbiased            | 0.013      | 0.023       | 0.01   |
| 1211     | 100      | Unbiased            | 0.013      | 0.021       | 0.008  |
| 1212     | 100      | Unbiased            | 0.01       | 0.025       | 0.015  |
| 1213     | 100      | Unbiased            | 0.012      | 0.021       | 0.009  |
| 1214     | 100      | Unbiased            | 0.015      | 0.035       | 0.02   |

Test Statistics (µA)

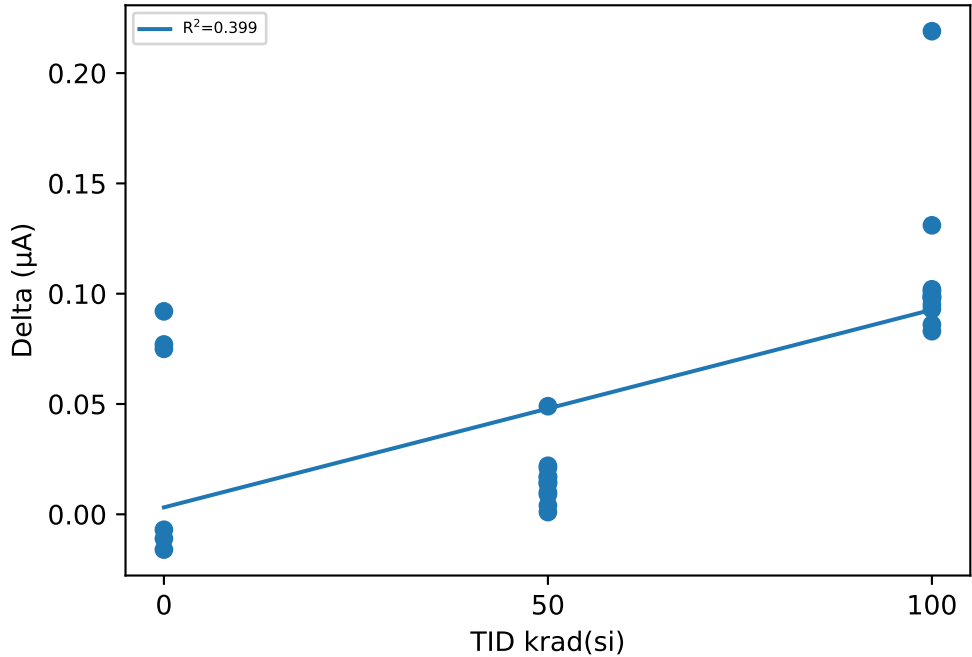
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|-----------|
| 0        | 0.012            | 0.012667         | 0.013            | 0.0005164        | 0.01              | 0.011833          | 0.014             | 0.0017224         | -0.003    | -0.00083333 | 0.002     | 0.0022286 |
| 50       | 0.01             | 0.011917         | 0.015            | 0.0013114        | 0.014             | 0.015417          | 0.02              | 0.0017816         | 0.001     | 0.0035      | 0.005     | 0.001446  |
| 100      | 0.01             | 0.011917         | 0.015            | 0.0013114        | 0.019             | 0.0235            | 0.035             | 0.0045025         | 0.008     | 0.011583    | 0.02      | 0.0038009 |

Device Test: 6.35 ; PULL\_UP\_LKG

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (µA))

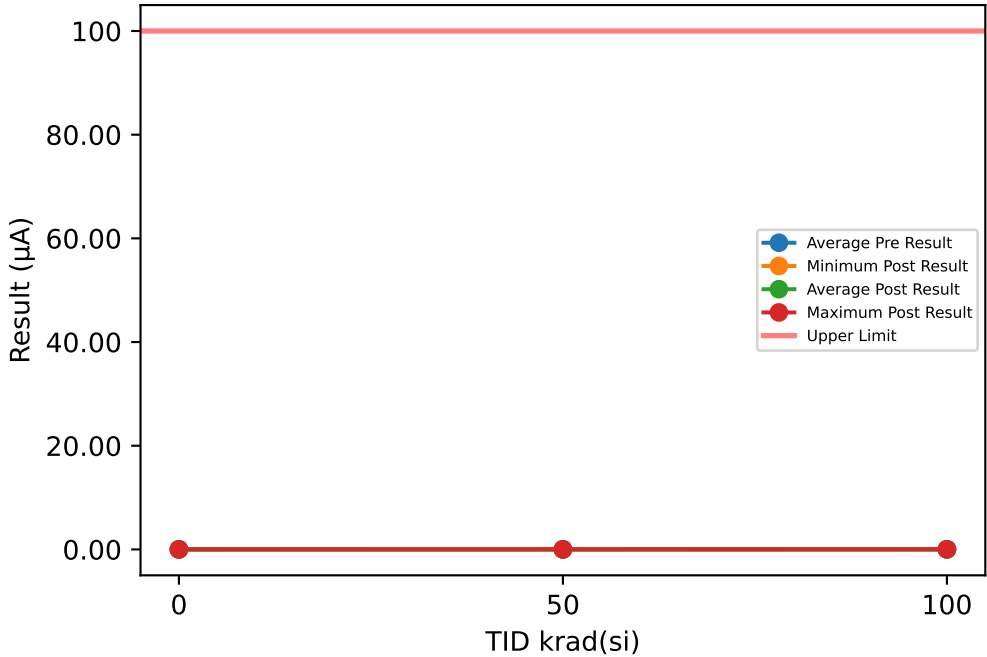
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 11.088     | 11.081      | -0.007 |
| 201      | 0        | Correlation         | 11.004     | 10.993      | -0.011 |
| 202      | 0        | Correlation         | 11.368     | 11.352      | -0.016 |
| 203      | 50       | Biased              | 11.445     | 11.446      | 0.001  |
| 204      | 50       | Biased              | 10.974     | 10.978      | 0.004  |
| 205      | 50       | Biased              | 11.39      | 11.4        | 0.01   |
| 206      | 50       | Biased              | 11.22      | 11.234      | 0.014  |
| 207      | 50       | Biased              | 11.284     | 11.306      | 0.022  |
| 208      | 50       | Biased              | 11.165     | 11.174      | 0.009  |
| 209      | 50       | Unbiased            | 11.45      | 11.499      | 0.049  |
| 210      | 50       | Unbiased            | 10.876     | 10.897      | 0.021  |
| 211      | 50       | Unbiased            | 11.311     | 11.326      | 0.015  |
| 212      | 50       | Unbiased            | 11.295     | 11.309      | 0.014  |
| 213      | 50       | Unbiased            | 11.29      | 11.307      | 0.017  |
| 214      | 50       | Unbiased            | 11.319     | 11.336      | 0.017  |
| 1200     | 0        | Correlation         | 11.088     | 11.18       | 0.092  |
| 1201     | 0        | Correlation         | 11.004     | 11.079      | 0.075  |
| 1202     | 0        | Correlation         | 11.368     | 11.445      | 0.077  |
| 1203     | 100      | Biased              | 11.445     | 11.538      | 0.093  |
| 1204     | 100      | Biased              | 10.974     | 11.057      | 0.083  |
| 1205     | 100      | Biased              | 11.39      | 11.485      | 0.095  |
| 1206     | 100      | Biased              | 11.22      | 11.321      | 0.101  |
| 1207     | 100      | Biased              | 11.284     | 11.382      | 0.098  |
| 1208     | 100      | Biased              | 11.165     | 11.264      | 0.099  |
| 1209     | 100      | Unbiased            | 11.45      | 11.669      | 0.219  |
| 1210     | 100      | Unbiased            | 10.876     | 10.978      | 0.102  |
| 1211     | 100      | Unbiased            | 11.311     | 11.409      | 0.098  |
| 1212     | 100      | Unbiased            | 11.295     | 11.394      | 0.099  |
| 1213     | 100      | Unbiased            | 11.29      | 11.376      | 0.086  |
| 1214     | 100      | Unbiased            | 11.319     | 11.45       | 0.131  |

Test Statistics (µA)

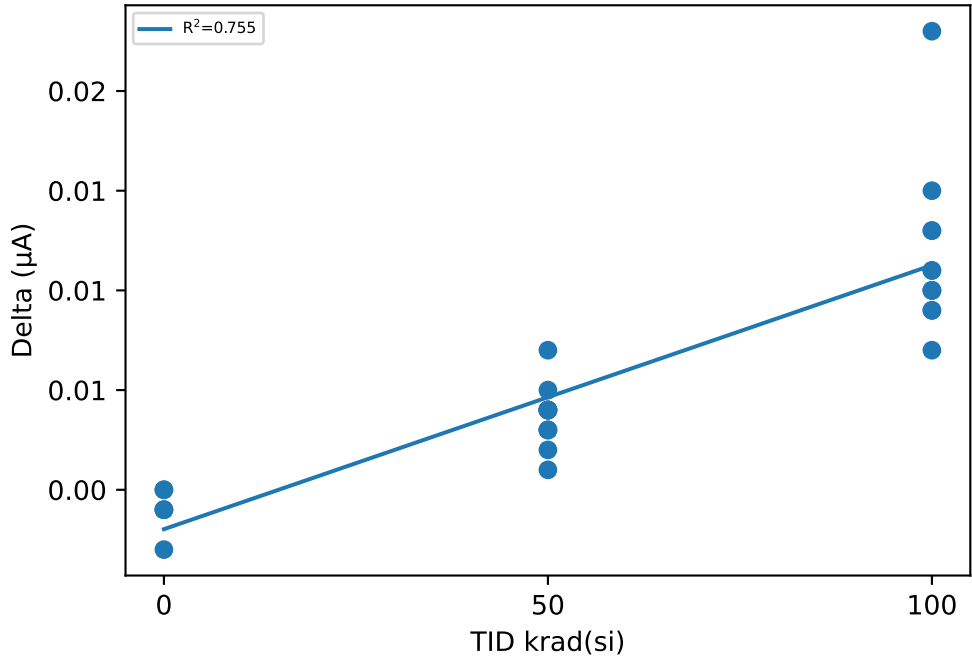
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 11.004           | 11.153           | 11.368           | 0.17047          | 10.993            | 11.188            | 11.445            | 0.17571           | -0.016    | 0.035     | 0.092     | 0.051174  |
| 50       | 10.876           | 11.252           | 11.45            | 0.17452          | 10.897            | 11.268            | 11.499            | 0.17757           | 0.001     | 0.016083  | 0.049     | 0.012117  |
| 100      | 10.876           | 11.252           | 11.45            | 0.17452          | 10.978            | 11.36             | 11.669            | 0.19156           | 0.083     | 0.10867   | 0.219     | 0.036674  |

Device Test: 6.36 ; PULL\_UP\_LKG

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (µA))

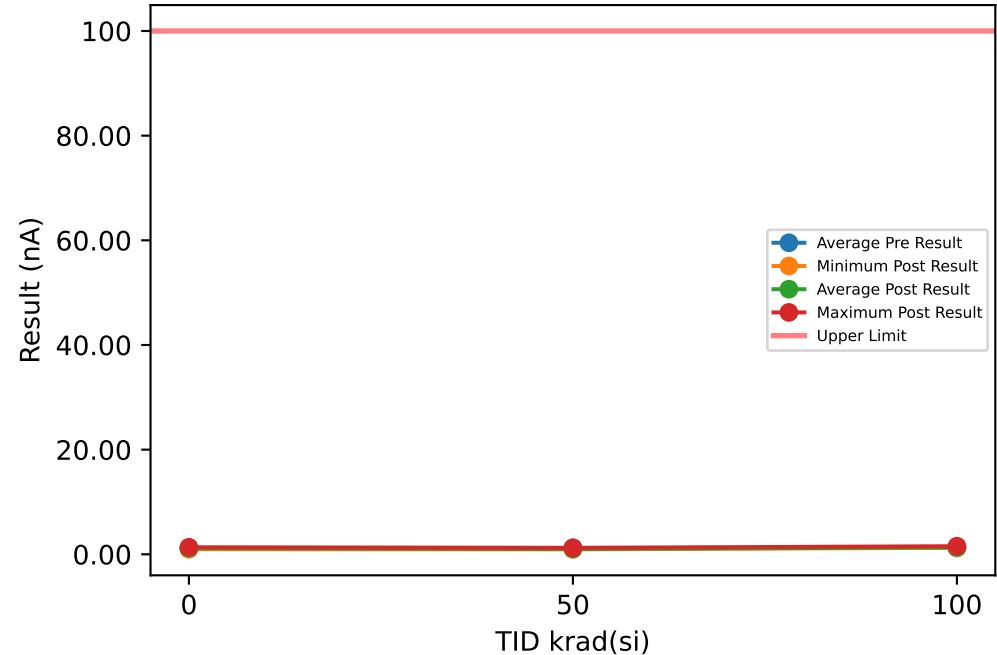
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.005      | 0.004       | -0.001 |
| 201      | 0        | Correlation         | 0.007      | 0.006       | -0.001 |
| 202      | 0        | Correlation         | 0.008      | 0.008       | 0      |
| 203      | 50       | Biased              | 0.007      | 0.01        | 0.003  |
| 204      | 50       | Biased              | 0.005      | 0.008       | 0.003  |
| 205      | 50       | Biased              | 0.005      | 0.009       | 0.004  |
| 206      | 50       | Biased              | 0.005      | 0.01        | 0.005  |
| 207      | 50       | Biased              | 0.004      | 0.008       | 0.004  |
| 208      | 50       | Biased              | 0.006      | 0.008       | 0.002  |
| 209      | 50       | Unbiased            | 0.007      | 0.011       | 0.004  |
| 210      | 50       | Unbiased            | 0.005      | 0.009       | 0.004  |
| 211      | 50       | Unbiased            | 0.004      | 0.007       | 0.003  |
| 212      | 50       | Unbiased            | 0.008      | 0.009       | 0.001  |
| 213      | 50       | Unbiased            | 0.004      | 0.008       | 0.004  |
| 214      | 50       | Unbiased            | 0.007      | 0.014       | 0.007  |
| 1200     | 0        | Correlation         | 0.005      | 0.004       | -0.001 |
| 1201     | 0        | Correlation         | 0.007      | 0.004       | -0.003 |
| 1202     | 0        | Correlation         | 0.008      | 0.008       | 0      |
| 1203     | 100      | Biased              | 0.007      | 0.022       | 0.015  |
| 1204     | 100      | Biased              | 0.005      | 0.015       | 0.01   |
| 1205     | 100      | Biased              | 0.005      | 0.012       | 0.007  |
| 1206     | 100      | Biased              | 0.005      | 0.018       | 0.013  |
| 1207     | 100      | Biased              | 0.004      | 0.014       | 0.01   |
| 1208     | 100      | Biased              | 0.006      | 0.015       | 0.009  |
| 1209     | 100      | Unbiased            | 0.007      | 0.02        | 0.013  |
| 1210     | 100      | Unbiased            | 0.005      | 0.015       | 0.01   |
| 1211     | 100      | Unbiased            | 0.004      | 0.015       | 0.011  |
| 1212     | 100      | Unbiased            | 0.008      | 0.017       | 0.009  |
| 1213     | 100      | Unbiased            | 0.004      | 0.015       | 0.011  |
| 1214     | 100      | Unbiased            | 0.007      | 0.03        | 0.023  |

Test Statistics (µA)

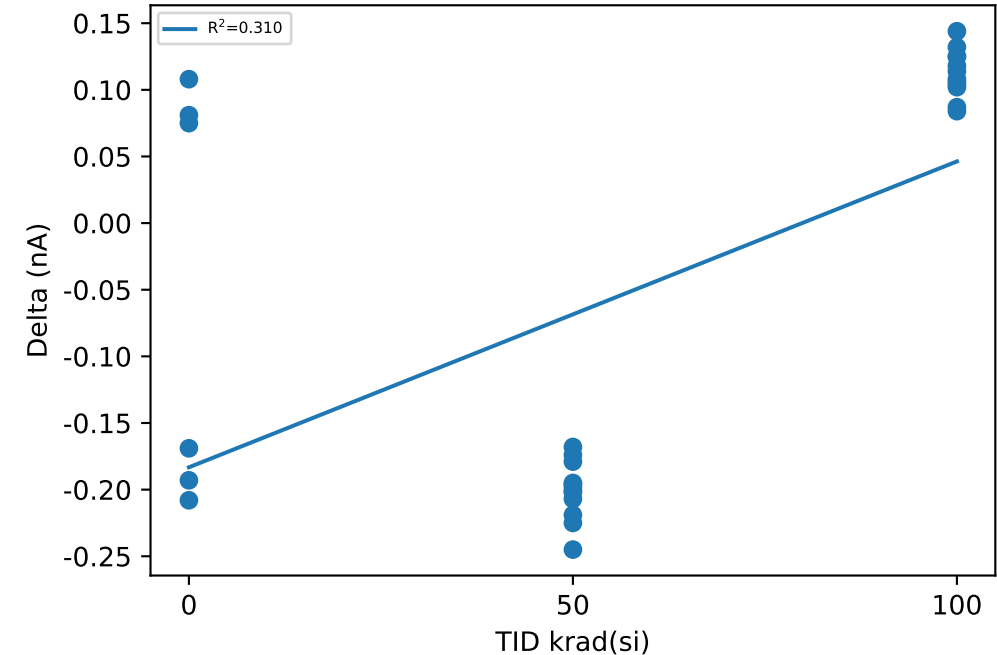
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 0.005            | 0.0066667        | 0.008            | 0.0013663        | 0.004             | 0.0056667         | 0.008             | 0.0019664         | -0.003    | -0.001    | 0         | 0.0010954 |
| 50       | 0.004            | 0.0055833        | 0.008            | 0.001379         | 0.007             | 0.00925           | 0.014             | 0.0018647         | 0.001     | 0.0036667 | 0.007     | 0.0014975 |
| 100      | 0.004            | 0.0055833        | 0.008            | 0.001379         | 0.012             | 0.017333          | 0.03              | 0.0048305         | 0.007     | 0.01175   | 0.023     | 0.0041369 |

Device Test: 6.37 ; ILKG\_WDI

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

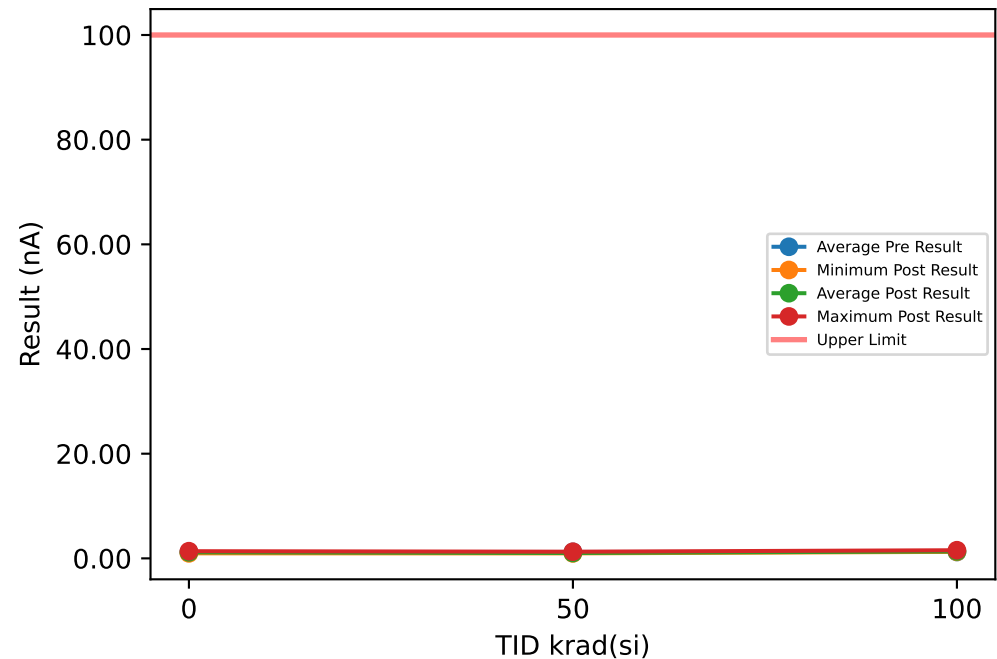
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 1.195      | 1.026       | -0.169 |
| 201      | 0        | Correlation         | 1.16       | 0.967       | -0.193 |
| 202      | 0        | Correlation         | 1.264      | 1.056       | -0.208 |
| 203      | 50       | Biased              | 1.139      | 0.938       | -0.201 |
| 204      | 50       | Biased              | 1.17       | 0.951       | -0.219 |
| 205      | 50       | Biased              | 1.137      | 0.969       | -0.168 |
| 206      | 50       | Biased              | 1.339      | 1.16        | -0.179 |
| 207      | 50       | Biased              | 1.239      | 1.032       | -0.207 |
| 208      | 50       | Biased              | 1.192      | 0.997       | -0.195 |
| 209      | 50       | Unbiased            | 1.242      | 1.046       | -0.196 |
| 210      | 50       | Unbiased            | 1.193      | 0.948       | -0.245 |
| 211      | 50       | Unbiased            | 1.259      | 1.034       | -0.225 |
| 212      | 50       | Unbiased            | 1.167      | 0.965       | -0.202 |
| 213      | 50       | Unbiased            | 1.429      | 1.231       | -0.198 |
| 214      | 50       | Unbiased            | 1.131      | 0.957       | -0.174 |
| 1200     | 0        | Correlation         | 1.195      | 1.303       | 0.108  |
| 1201     | 0        | Correlation         | 1.16       | 1.235       | 0.075  |
| 1202     | 0        | Correlation         | 1.264      | 1.345       | 0.081  |
| 1203     | 100      | Biased              | 1.139      | 1.243       | 0.104  |
| 1204     | 100      | Biased              | 1.17       | 1.295       | 0.125  |
| 1205     | 100      | Biased              | 1.137      | 1.251       | 0.114  |
| 1206     | 100      | Biased              | 1.339      | 1.471       | 0.132  |
| 1207     | 100      | Biased              | 1.239      | 1.323       | 0.084  |
| 1208     | 100      | Biased              | 1.192      | 1.294       | 0.102  |
| 1209     | 100      | Unbiased            | 1.242      | 1.386       | 0.144  |
| 1210     | 100      | Unbiased            | 1.193      | 1.28        | 0.087  |
| 1211     | 100      | Unbiased            | 1.259      | 1.367       | 0.108  |
| 1212     | 100      | Unbiased            | 1.167      | 1.273       | 0.106  |
| 1213     | 100      | Unbiased            | 1.429      | 1.547       | 0.118  |
| 1214     | 100      | Unbiased            | 1.131      | 1.256       | 0.125  |

Test Statistics (nA)

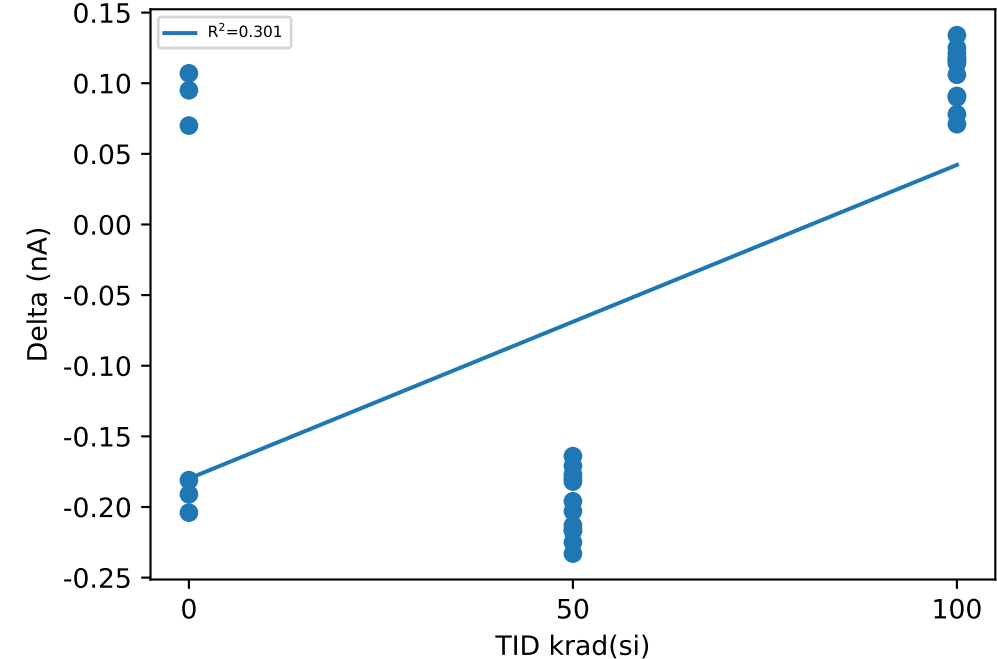
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 1.16             | 1.2063           | 1.264            | 0.047331         | 0.967             | 1.1553            | 1.345             | 0.15886           | -0.208    | -0.051    | 0.108     | 0.15318   |
| 50       | 1.131            | 1.2198           | 1.429            | 0.089646         | 0.938             | 1.019             | 1.231             | 0.091412          | -0.245    | -0.20075  | -0.168    | 0.021835  |
| 100      | 1.131            | 1.2198           | 1.429            | 0.089646         | 1.243             | 1.3322            | 1.547             | 0.09488           | 0.084     | 0.11242   | 0.144     | 0.017645  |

Device Test: 6.38 ; ILKG\_WDI

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

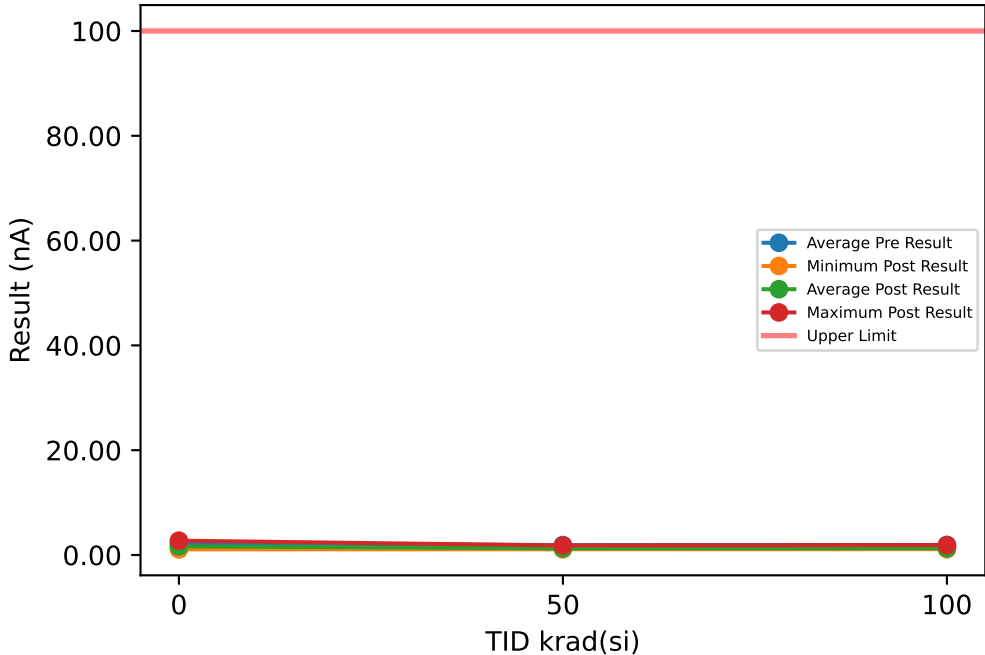
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 1.191      | 1.01        | -0.181 |
| 201      | 0        | Correlation         | 1.148      | 0.957       | -0.191 |
| 202      | 0        | Correlation         | 1.264      | 1.06        | -0.204 |
| 203      | 50       | Biased              | 1.135      | 0.953       | -0.182 |
| 204      | 50       | Biased              | 1.172      | 0.956       | -0.216 |
| 205      | 50       | Biased              | 1.148      | 0.968       | -0.18  |
| 206      | 50       | Biased              | 1.338      | 1.167       | -0.171 |
| 207      | 50       | Biased              | 1.238      | 1.042       | -0.196 |
| 208      | 50       | Biased              | 1.197      | 0.98        | -0.217 |
| 209      | 50       | Unbiased            | 1.236      | 1.059       | -0.177 |
| 210      | 50       | Unbiased            | 1.183      | 0.95        | -0.233 |
| 211      | 50       | Unbiased            | 1.273      | 1.048       | -0.225 |
| 212      | 50       | Unbiased            | 1.179      | 0.966       | -0.213 |
| 213      | 50       | Unbiased            | 1.44       | 1.276       | -0.164 |
| 214      | 50       | Unbiased            | 1.153      | 0.95        | -0.203 |
| 1200     | 0        | Correlation         | 1.191      | 1.286       | 0.095  |
| 1201     | 0        | Correlation         | 1.148      | 1.218       | 0.07   |
| 1202     | 0        | Correlation         | 1.264      | 1.371       | 0.107  |
| 1203     | 100      | Biased              | 1.135      | 1.249       | 0.114  |
| 1204     | 100      | Biased              | 1.172      | 1.29        | 0.118  |
| 1205     | 100      | Biased              | 1.148      | 1.269       | 0.121  |
| 1206     | 100      | Biased              | 1.338      | 1.463       | 0.125  |
| 1207     | 100      | Biased              | 1.238      | 1.309       | 0.071  |
| 1208     | 100      | Biased              | 1.197      | 1.275       | 0.078  |
| 1209     | 100      | Unbiased            | 1.236      | 1.37        | 0.134  |
| 1210     | 100      | Unbiased            | 1.183      | 1.299       | 0.116  |
| 1211     | 100      | Unbiased            | 1.273      | 1.379       | 0.106  |
| 1212     | 100      | Unbiased            | 1.179      | 1.269       | 0.09   |
| 1213     | 100      | Unbiased            | 1.44       | 1.557       | 0.117  |
| 1214     | 100      | Unbiased            | 1.153      | 1.244       | 0.091  |

Test Statistics (nA)

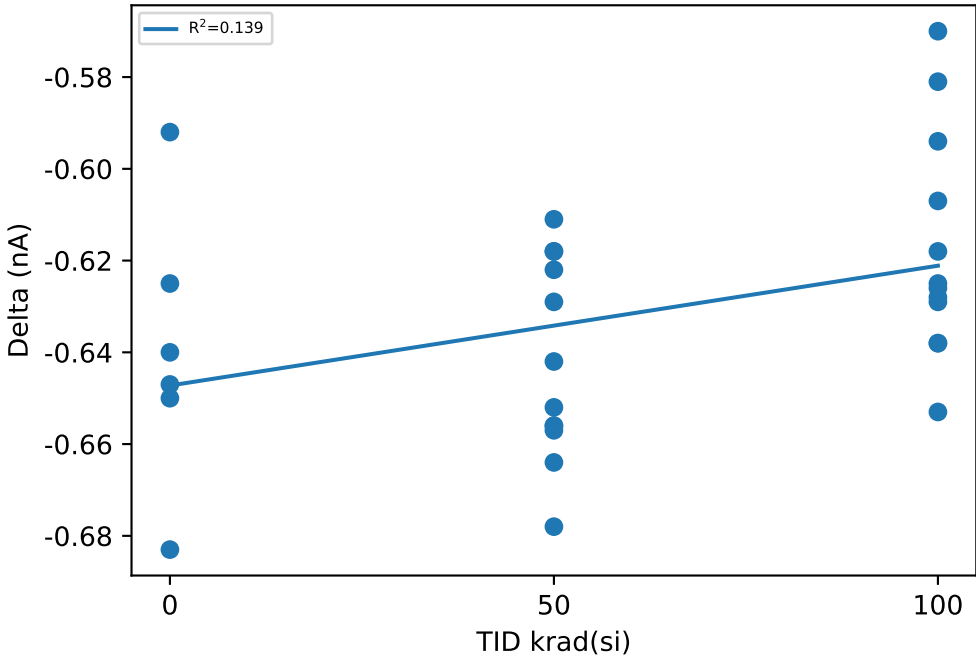
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 1.148            | 1.201            | 1.264            | 0.052452         | 0.957             | 1.1503            | 1.371             | 0.16547           | -0.204    | -0.050667 | 0.107     | 0.15545   |
| 50       | 1.135            | 1.2243           | 1.44             | 0.089579         | 0.95              | 1.0262            | 1.276             | 0.10228           | -0.233    | -0.19808  | -0.164    | 0.02296   |
| 100      | 1.135            | 1.2243           | 1.44             | 0.089579         | 1.244             | 1.3311            | 1.557             | 0.095647          | 0.071     | 0.10675   | 0.134     | 0.019731  |

Device Test: 6.39 ; ILKG\_MODE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 3.334      | 2.684       | -0.65  |
| 201      | 0        | Correlation         | 1.754      | 1.114       | -0.64  |
| 202      | 0        | Correlation         | 1.736      | 1.089       | -0.647 |
| 203      | 50       | Biased              | 1.927      | 1.316       | -0.611 |
| 204      | 50       | Biased              | 1.751      | 1.095       | -0.656 |
| 205      | 50       | Biased              | 1.8        | 1.182       | -0.618 |
| 206      | 50       | Biased              | 1.779      | 1.157       | -0.622 |
| 207      | 50       | Biased              | 1.768      | 1.09        | -0.678 |
| 208      | 50       | Biased              | 1.885      | 1.221       | -0.664 |
| 209      | 50       | Unbiased            | 1.757      | 1.115       | -0.642 |
| 210      | 50       | Unbiased            | 1.728      | 1.099       | -0.629 |
| 211      | 50       | Unbiased            | 2.466      | 1.81        | -0.656 |
| 212      | 50       | Unbiased            | 2.061      | 1.409       | -0.652 |
| 213      | 50       | Unbiased            | 2.157      | 1.5         | -0.657 |
| 214      | 50       | Unbiased            | 1.72       | 1.102       | -0.618 |
| 1200     | 0        | Correlation         | 3.334      | 2.742       | -0.592 |
| 1201     | 0        | Correlation         | 1.754      | 1.071       | -0.683 |
| 1202     | 0        | Correlation         | 1.736      | 1.111       | -0.625 |
| 1203     | 100      | Biased              | 1.927      | 1.301       | -0.626 |
| 1204     | 100      | Biased              | 1.751      | 1.144       | -0.607 |
| 1205     | 100      | Biased              | 1.8        | 1.162       | -0.638 |
| 1206     | 100      | Biased              | 1.779      | 1.141       | -0.638 |
| 1207     | 100      | Biased              | 1.768      | 1.115       | -0.653 |
| 1208     | 100      | Biased              | 1.885      | 1.26        | -0.625 |
| 1209     | 100      | Unbiased            | 1.757      | 1.129       | -0.628 |
| 1210     | 100      | Unbiased            | 1.728      | 1.134       | -0.594 |
| 1211     | 100      | Unbiased            | 2.466      | 1.896       | -0.57  |
| 1212     | 100      | Unbiased            | 2.061      | 1.443       | -0.618 |
| 1213     | 100      | Unbiased            | 2.157      | 1.528       | -0.629 |
| 1214     | 100      | Unbiased            | 1.72       | 1.139       | -0.581 |

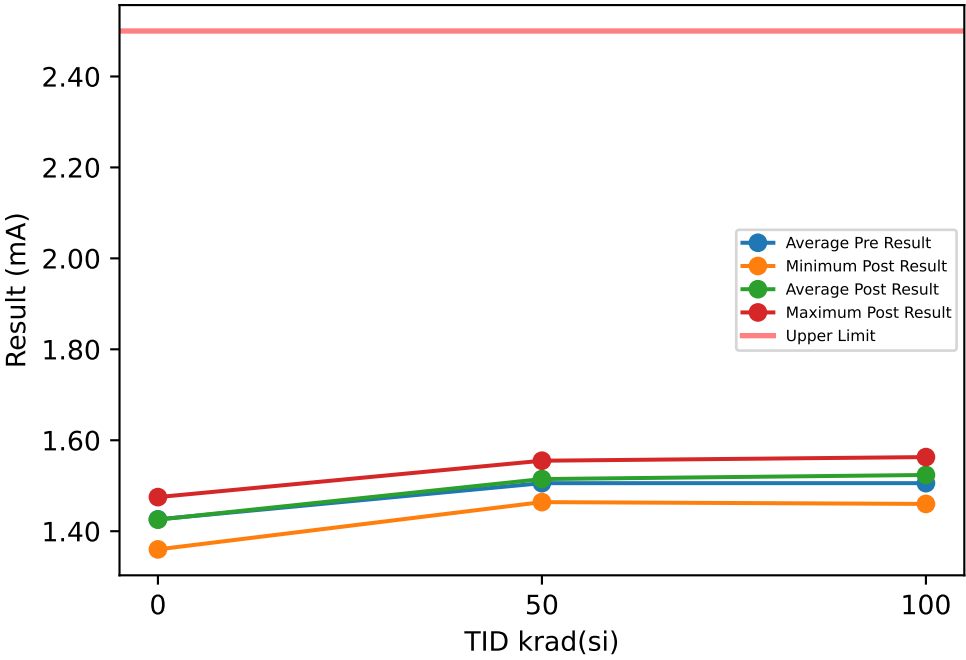
Test Statistics (nA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 1.736            | 2.2747           | 3.334            | 0.8206           | 1.071             | 1.6352            | 2.742             | 0.83523           | -0.683    | -0.6395   | -0.592    | 0.030085  |
| 50       | 1.72             | 1.8999           | 2.466            | 0.22563          | 1.09              | 1.258             | 1.81              | 0.21984           | -0.678    | -0.64192  | -0.611    | 0.021698  |
| 100      | 1.72             | 1.8999           | 2.466            | 0.22563          | 1.115             | 1.2827            | 1.896             | 0.23573           | -0.653    | -0.61725  | -0.57     | 0.024721  |



Device Test: 6.4 ; IQ

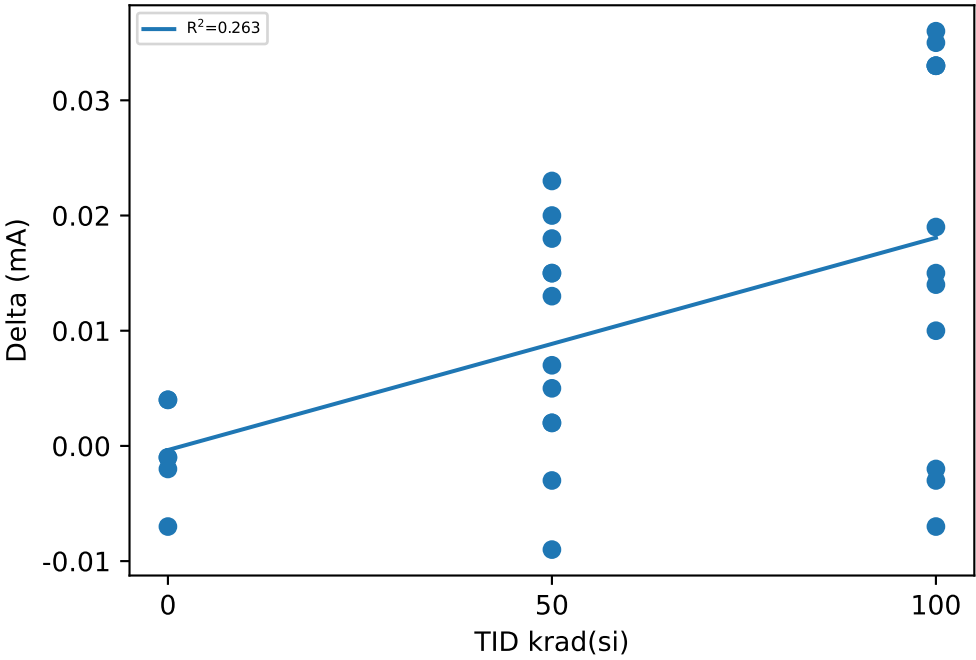
TID vs Result Stats



Test Results (Upper Limit = 2.5 (mA))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 1.477      | 1.47        | -0.007 |
| 201      | 0        | Correlation         | 1.361      | 1.36        | -0.001 |
| 202      | 0        | Correlation         | 1.44       | 1.439       | -0.001 |
| 203      | 50       | Biased              | 1.525      | 1.516       | -0.009 |
| 204      | 50       | Biased              | 1.47       | 1.472       | 0.002  |
| 205      | 50       | Biased              | 1.497      | 1.502       | 0.005  |
| 206      | 50       | Biased              | 1.53       | 1.545       | 0.015  |
| 207      | 50       | Biased              | 1.501      | 1.514       | 0.013  |
| 208      | 50       | Biased              | 1.518      | 1.515       | -0.003 |
| 209      | 50       | Unbiased            | 1.506      | 1.521       | 0.015  |
| 210      | 50       | Unbiased            | 1.535      | 1.555       | 0.02   |
| 211      | 50       | Unbiased            | 1.485      | 1.492       | 0.007  |
| 212      | 50       | Unbiased            | 1.446      | 1.464       | 0.018  |
| 213      | 50       | Unbiased            | 1.506      | 1.529       | 0.023  |
| 214      | 50       | Unbiased            | 1.549      | 1.551       | 0.002  |
| 1200     | 0        | Correlation         | 1.477      | 1.475       | -0.002 |
| 1201     | 0        | Correlation         | 1.361      | 1.365       | 0.004  |
| 1202     | 0        | Correlation         | 1.44       | 1.444       | 0.004  |
| 1203     | 100      | Biased              | 1.525      | 1.54        | 0.015  |
| 1204     | 100      | Biased              | 1.47       | 1.463       | -0.007 |
| 1205     | 100      | Biased              | 1.497      | 1.495       | -0.002 |
| 1206     | 100      | Biased              | 1.53       | 1.563       | 0.033  |
| 1207     | 100      | Biased              | 1.501      | 1.537       | 0.036  |
| 1208     | 100      | Biased              | 1.518      | 1.515       | -0.003 |
| 1209     | 100      | Unbiased            | 1.506      | 1.539       | 0.033  |
| 1210     | 100      | Unbiased            | 1.535      | 1.554       | 0.019  |
| 1211     | 100      | Unbiased            | 1.485      | 1.52        | 0.035  |
| 1212     | 100      | Unbiased            | 1.446      | 1.46        | 0.014  |
| 1213     | 100      | Unbiased            | 1.506      | 1.539       | 0.033  |
| 1214     | 100      | Unbiased            | 1.549      | 1.559       | 0.01   |

TID vs Post - Pre Exposure Delta

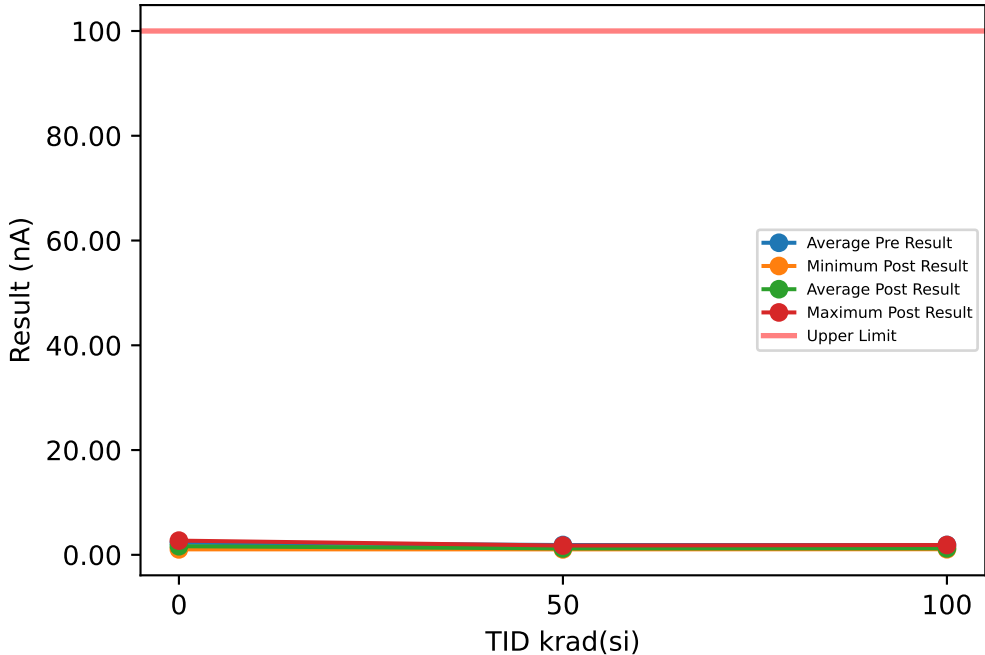


Test Statistics (mA)

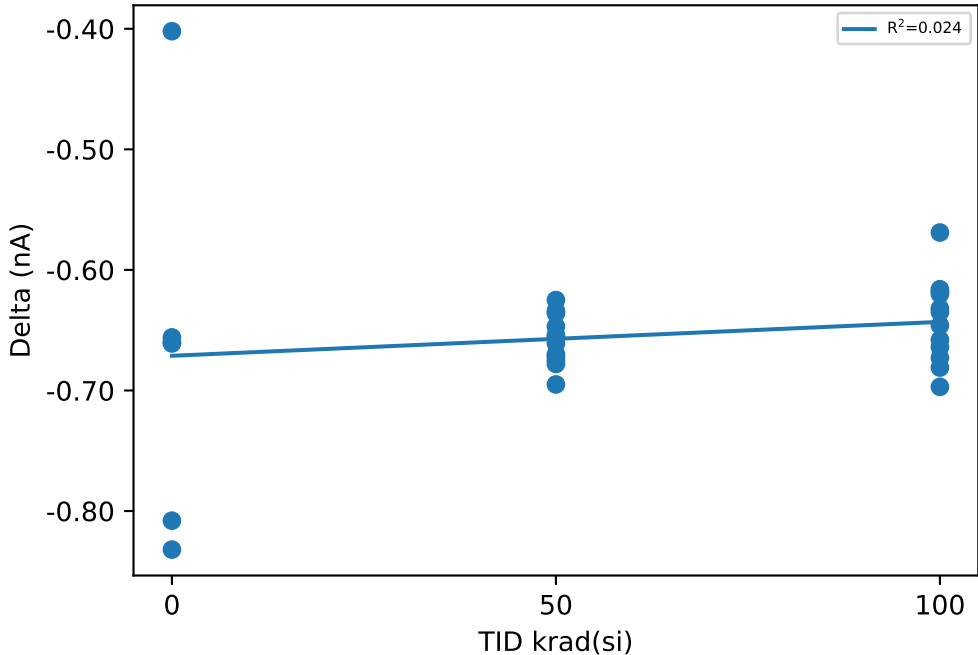
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 1.361            | 1.426            | 1.477            | 0.052998         | 1.36              | 1.4255            | 1.475             | 0.050805          | -0.007    | -0.0005   | 0.004     | 0.0041352 |
| 50       | 1.446            | 1.5057           | 1.549            | 0.02894          | 1.464             | 1.5147            | 1.555             | 0.028883          | -0.009    | 0.009     | 0.023     | 0.0098719 |
| 100      | 1.446            | 1.5057           | 1.549            | 0.02894          | 1.46              | 1.5237            | 1.563             | 0.034739          | -0.007    | 0.018     | 0.036     | 0.016079  |

Device Test: 6.40 ; ILKG\_MODE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 100.0 (nA))

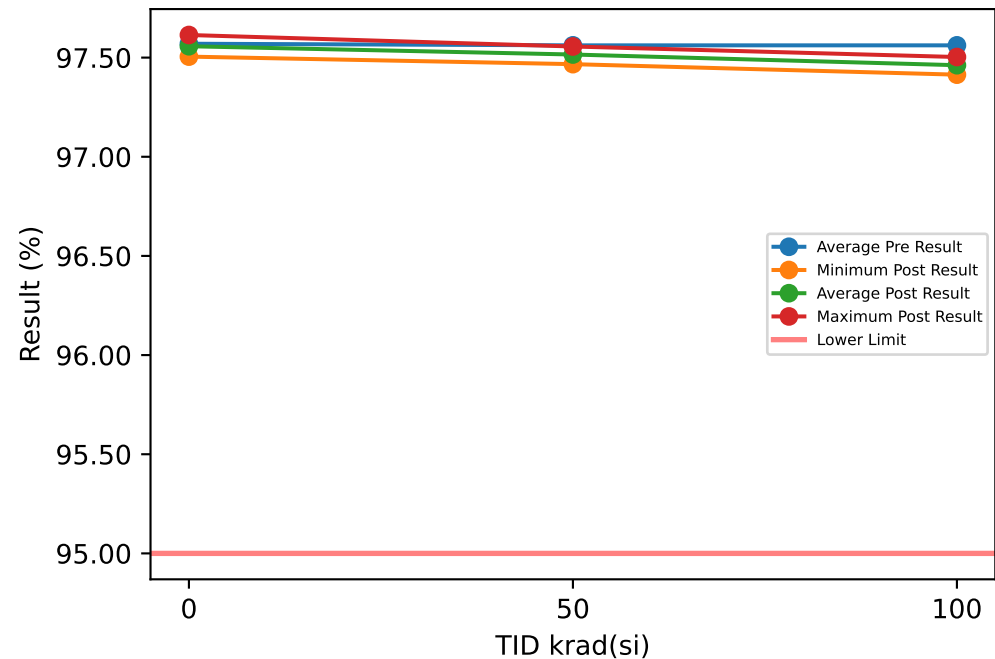
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 3.519      | 2.687       | -0.832 |
| 201      | 0        | Correlation         | 1.7        | 1.04        | -0.66  |
| 202      | 0        | Correlation         | 1.705      | 1.044       | -0.661 |
| 203      | 50       | Biased              | 1.943      | 1.282       | -0.661 |
| 204      | 50       | Biased              | 1.741      | 1.066       | -0.675 |
| 205      | 50       | Biased              | 1.776      | 1.129       | -0.647 |
| 206      | 50       | Biased              | 1.771      | 1.101       | -0.67  |
| 207      | 50       | Biased              | 1.762      | 1.067       | -0.695 |
| 208      | 50       | Biased              | 1.83       | 1.194       | -0.636 |
| 209      | 50       | Unbiased            | 1.71       | 1.076       | -0.634 |
| 210      | 50       | Unbiased            | 1.714      | 1.036       | -0.678 |
| 211      | 50       | Unbiased            | 2.44       | 1.768       | -0.672 |
| 212      | 50       | Unbiased            | 2.014      | 1.36        | -0.654 |
| 213      | 50       | Unbiased            | 2.128      | 1.472       | -0.656 |
| 214      | 50       | Unbiased            | 1.699      | 1.074       | -0.625 |
| 1200     | 0        | Correlation         | 3.519      | 2.711       | -0.808 |
| 1201     | 0        | Correlation         | 1.7        | 1.044       | -0.656 |
| 1202     | 0        | Correlation         | 1.705      | 1.303       | -0.402 |
| 1203     | 100      | Biased              | 1.943      | 1.279       | -0.664 |
| 1204     | 100      | Biased              | 1.741      | 1.083       | -0.658 |
| 1205     | 100      | Biased              | 1.776      | 1.103       | -0.673 |
| 1206     | 100      | Biased              | 1.771      | 1.074       | -0.697 |
| 1207     | 100      | Biased              | 1.762      | 1.081       | -0.681 |
| 1208     | 100      | Biased              | 1.83       | 1.21        | -0.62  |
| 1209     | 100      | Unbiased            | 1.71       | 1.092       | -0.618 |
| 1210     | 100      | Unbiased            | 1.714      | 1.082       | -0.632 |
| 1211     | 100      | Unbiased            | 2.44       | 1.871       | -0.569 |
| 1212     | 100      | Unbiased            | 2.014      | 1.398       | -0.616 |
| 1213     | 100      | Unbiased            | 2.128      | 1.482       | -0.646 |
| 1214     | 100      | Unbiased            | 1.699      | 1.064       | -0.635 |

Test Statistics (nA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 1.7              | 2.308            | 3.519            | 0.93804          | 1.04              | 1.6382            | 2.711             | 0.82792           | -0.832    | -0.66983  | -0.402    | 0.15329   |
| 50       | 1.699            | 1.8773           | 2.44             | 0.22251          | 1.036             | 1.2188            | 1.768             | 0.2202            | -0.695    | -0.65858  | -0.625    | 0.020655  |
| 100      | 1.699            | 1.8773           | 2.44             | 0.22251          | 1.064             | 1.2349            | 1.871             | 0.24456           | -0.697    | -0.64242  | -0.569    | 0.035     |

Device Test: 6.41 ; VOH\_RESET\_2MA

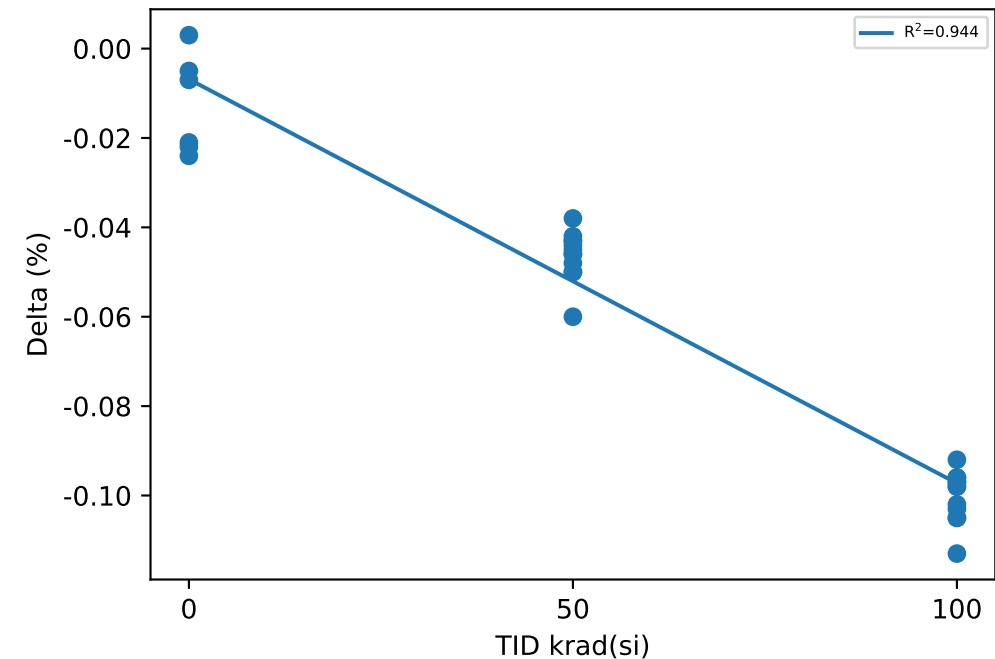
TID vs Result Stats



Test Results (Lower Limit = 95.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 97.564     | 97.567      | 0.003  |
| 201      | 0        | Correlation         | 97.619     | 97.614      | -0.005 |
| 202      | 0        | Correlation         | 97.527     | 97.52       | -0.007 |
| 203      | 50       | Biased              | 97.558     | 97.512      | -0.046 |
| 204      | 50       | Biased              | 97.59      | 97.546      | -0.044 |
| 205      | 50       | Biased              | 97.558     | 97.51       | -0.048 |
| 206      | 50       | Biased              | 97.549     | 97.503      | -0.046 |
| 207      | 50       | Biased              | 97.561     | 97.511      | -0.05  |
| 208      | 50       | Biased              | 97.586     | 97.536      | -0.05  |
| 209      | 50       | Unbiased            | 97.543     | 97.5        | -0.043 |
| 210      | 50       | Unbiased            | 97.575     | 97.53       | -0.045 |
| 211      | 50       | Unbiased            | 97.527     | 97.467      | -0.06  |
| 212      | 50       | Unbiased            | 97.599     | 97.556      | -0.043 |
| 213      | 50       | Unbiased            | 97.539     | 97.497      | -0.042 |
| 214      | 50       | Unbiased            | 97.557     | 97.519      | -0.038 |
| 1200     | 0        | Correlation         | 97.564     | 97.543      | -0.021 |
| 1201     | 0        | Correlation         | 97.619     | 97.595      | -0.024 |
| 1202     | 0        | Correlation         | 97.527     | 97.505      | -0.022 |
| 1203     | 100      | Biased              | 97.558     | 97.456      | -0.102 |
| 1204     | 100      | Biased              | 97.59      | 97.494      | -0.096 |
| 1205     | 100      | Biased              | 97.558     | 97.455      | -0.103 |
| 1206     | 100      | Biased              | 97.549     | 97.457      | -0.092 |
| 1207     | 100      | Biased              | 97.561     | 97.456      | -0.105 |
| 1208     | 100      | Biased              | 97.586     | 97.481      | -0.105 |
| 1209     | 100      | Unbiased            | 97.543     | 97.445      | -0.098 |
| 1210     | 100      | Unbiased            | 97.575     | 97.478      | -0.097 |
| 1211     | 100      | Unbiased            | 97.527     | 97.414      | -0.113 |
| 1212     | 100      | Unbiased            | 97.599     | 97.503      | -0.096 |
| 1213     | 100      | Unbiased            | 97.539     | 97.441      | -0.098 |
| 1214     | 100      | Unbiased            | 97.557     | 97.46       | -0.097 |

TID vs Post - Pre Exposure Delta

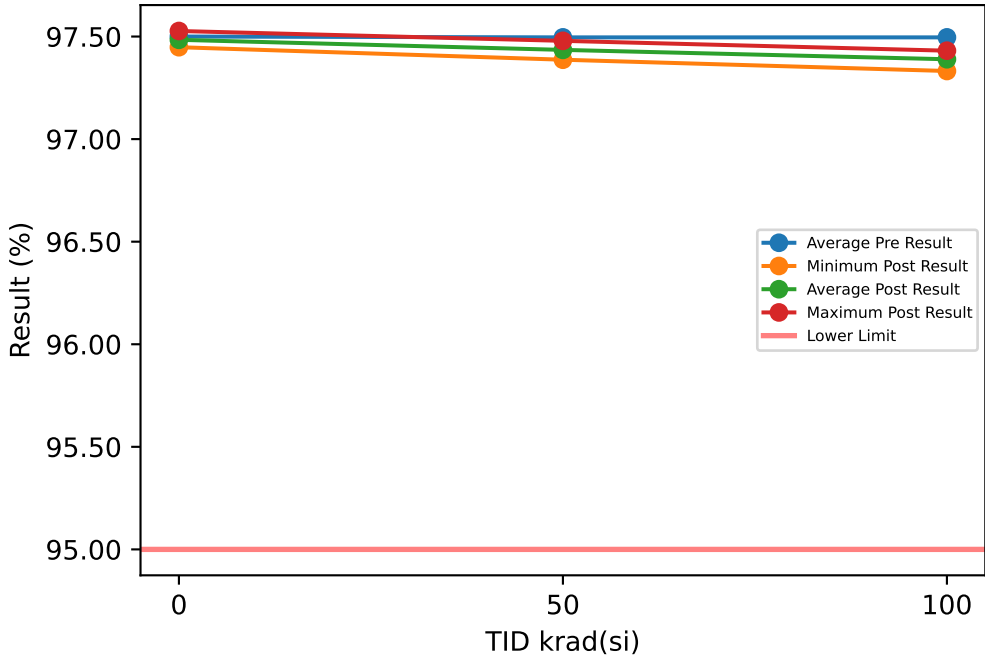


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 97.527           | 97.57            | 97.619           | 0.041405         | 97.505            | 97.557            | 97.614            | 0.042571          | -0.024    | -0.012667 | 0.003     | 0.011147  |
| 50       | 97.527           | 97.562           | 97.599           | 0.021825         | 97.467            | 97.516            | 97.556            | 0.024058          | -0.06     | -0.04625  | -0.038    | 0.0055124 |
| 100      | 97.527           | 97.562           | 97.599           | 0.021825         | 97.414            | 97.462            | 97.503            | 0.024317          | -0.113    | -0.10017  | -0.092    | 0.0056702 |

Device Test: 6.42 ; VOH\_RESET\_2MA

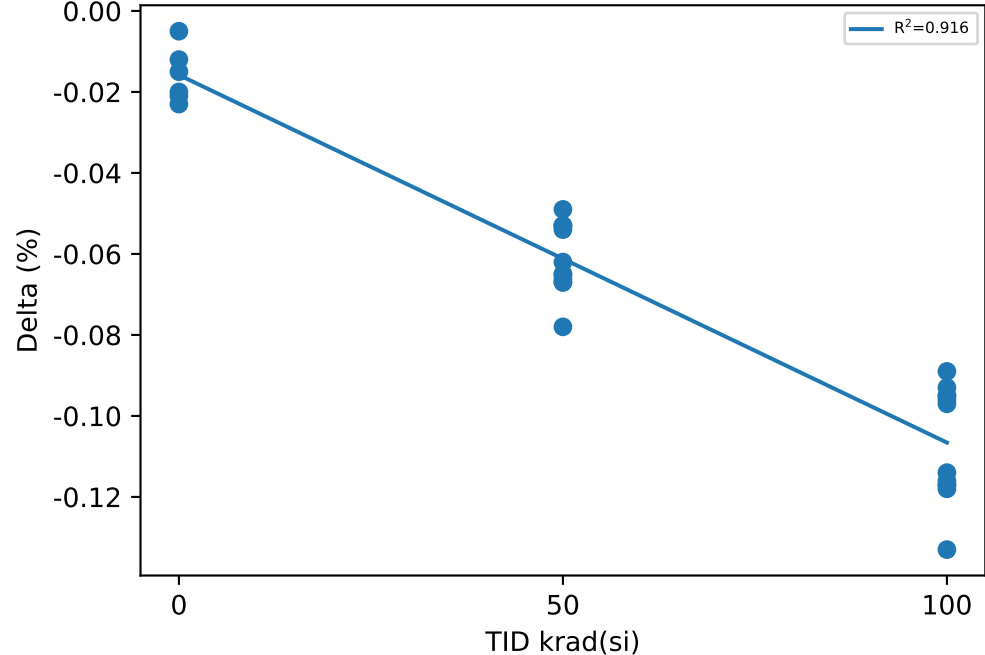
TID vs Result Stats



Test Results (Lower Limit = 95.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 97.49      | 97.485      | -0.005 |
| 201      | 0        | Correlation         | 97.539     | 97.527      | -0.012 |
| 202      | 0        | Correlation         | 97.471     | 97.456      | -0.015 |
| 203      | 50       | Biased              | 97.501     | 97.436      | -0.065 |
| 204      | 50       | Biased              | 97.52      | 97.458      | -0.062 |
| 205      | 50       | Biased              | 97.483     | 97.416      | -0.067 |
| 206      | 50       | Biased              | 97.473     | 97.408      | -0.065 |
| 207      | 50       | Biased              | 97.496     | 97.43       | -0.066 |
| 208      | 50       | Biased              | 97.526     | 97.459      | -0.067 |
| 209      | 50       | Unbiased            | 97.479     | 97.426      | -0.053 |
| 210      | 50       | Unbiased            | 97.504     | 97.451      | -0.053 |
| 211      | 50       | Unbiased            | 97.465     | 97.387      | -0.078 |
| 212      | 50       | Unbiased            | 97.533     | 97.479      | -0.054 |
| 213      | 50       | Unbiased            | 97.478     | 97.425      | -0.053 |
| 214      | 50       | Unbiased            | 97.493     | 97.444      | -0.049 |
| 1200     | 0        | Correlation         | 97.49      | 97.47       | -0.02  |
| 1201     | 0        | Correlation         | 97.539     | 97.518      | -0.021 |
| 1202     | 0        | Correlation         | 97.471     | 97.448      | -0.023 |
| 1203     | 100      | Biased              | 97.501     | 97.408      | -0.093 |
| 1204     | 100      | Biased              | 97.52      | 97.431      | -0.089 |
| 1205     | 100      | Biased              | 97.483     | 97.388      | -0.095 |
| 1206     | 100      | Biased              | 97.473     | 97.377      | -0.096 |
| 1207     | 100      | Biased              | 97.496     | 97.399      | -0.097 |
| 1208     | 100      | Biased              | 97.526     | 97.431      | -0.095 |
| 1209     | 100      | Unbiased            | 97.479     | 97.361      | -0.118 |
| 1210     | 100      | Unbiased            | 97.504     | 97.39       | -0.114 |
| 1211     | 100      | Unbiased            | 97.465     | 97.332      | -0.133 |
| 1212     | 100      | Unbiased            | 97.533     | 97.416      | -0.117 |
| 1213     | 100      | Unbiased            | 97.478     | 97.361      | -0.117 |
| 1214     | 100      | Unbiased            | 97.493     | 97.377      | -0.116 |

TID vs Post - Pre Exposure Delta

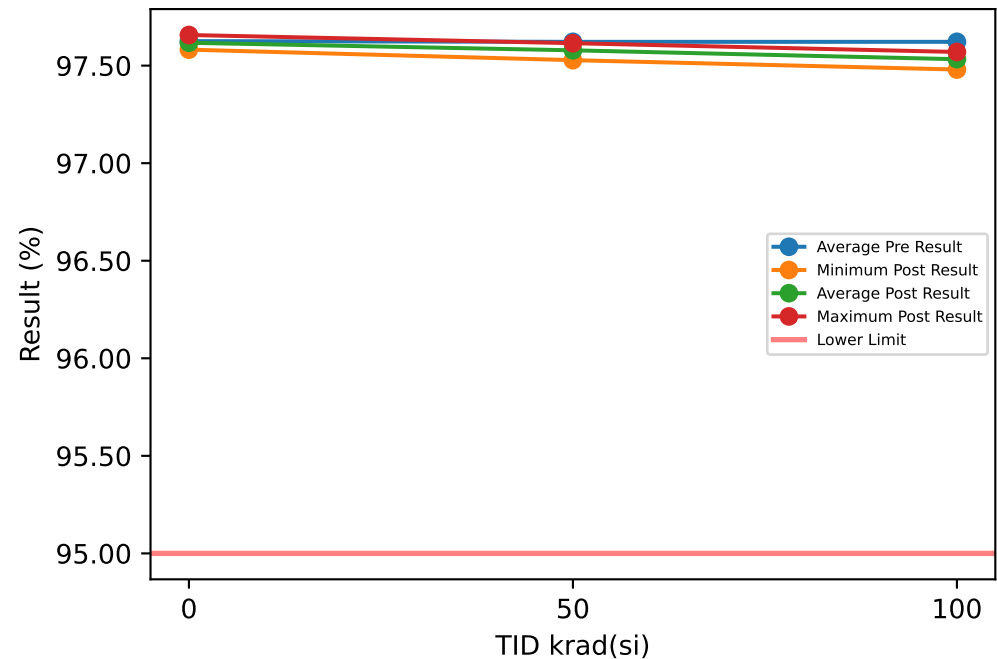


Test Statistics (%)

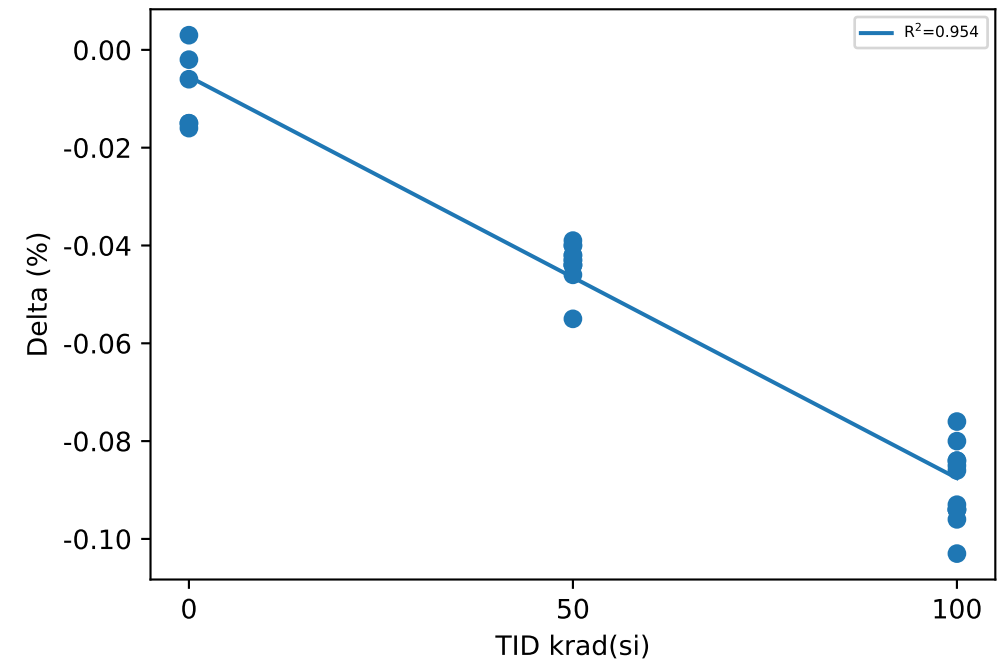
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 97.471           | 97.5             | 97.539           | 0.031382         | 97.448            | 97.484            | 97.527            | 0.032502          | -0.023    | -0.016    | -0.005    | 0.0067528 |
| 50       | 97.465           | 97.496           | 97.533           | 0.021773         | 97.387            | 97.435            | 97.479            | 0.025188          | -0.078    | -0.061    | -0.049    | 0.0085493 |
| 100      | 97.465           | 97.496           | 97.533           | 0.021773         | 97.332            | 97.389            | 97.431            | 0.029885          | -0.133    | -0.10667  | -0.089    | 0.013996  |

Device Test: 6.43 ; VOH\_RESET\_2MA

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 95.0 (%))

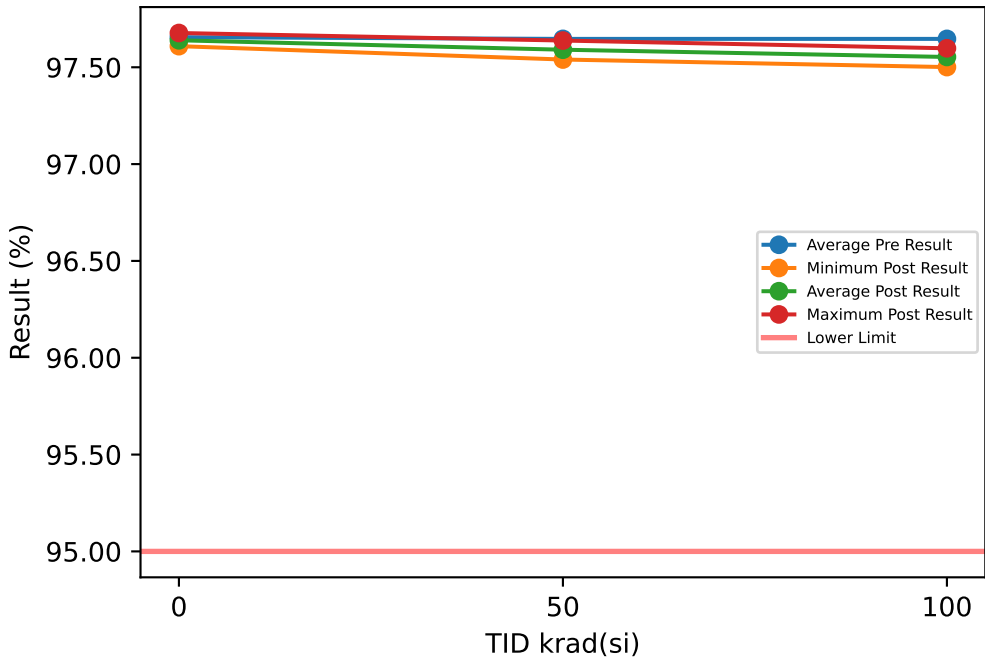
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 97.621     | 97.624      | 0.003  |
| 201      | 0        | Correlation         | 97.659     | 97.657      | -0.002 |
| 202      | 0        | Correlation         | 97.597     | 97.591      | -0.006 |
| 203      | 50       | Biased              | 97.625     | 97.582      | -0.043 |
| 204      | 50       | Biased              | 97.646     | 97.606      | -0.04  |
| 205      | 50       | Biased              | 97.617     | 97.575      | -0.042 |
| 206      | 50       | Biased              | 97.599     | 97.555      | -0.044 |
| 207      | 50       | Biased              | 97.63      | 97.584      | -0.046 |
| 208      | 50       | Biased              | 97.652     | 97.608      | -0.044 |
| 209      | 50       | Unbiased            | 97.608     | 97.566      | -0.042 |
| 210      | 50       | Unbiased            | 97.628     | 97.585      | -0.043 |
| 211      | 50       | Unbiased            | 97.583     | 97.528      | -0.055 |
| 212      | 50       | Unbiased            | 97.659     | 97.615      | -0.044 |
| 213      | 50       | Unbiased            | 97.601     | 97.561      | -0.04  |
| 214      | 50       | Unbiased            | 97.616     | 97.577      | -0.039 |
| 1200     | 0        | Correlation         | 97.621     | 97.605      | -0.016 |
| 1201     | 0        | Correlation         | 97.659     | 97.644      | -0.015 |
| 1202     | 0        | Correlation         | 97.597     | 97.582      | -0.015 |
| 1203     | 100      | Biased              | 97.625     | 97.545      | -0.08  |
| 1204     | 100      | Biased              | 97.646     | 97.57       | -0.076 |
| 1205     | 100      | Biased              | 97.617     | 97.533      | -0.084 |
| 1206     | 100      | Biased              | 97.599     | 97.514      | -0.085 |
| 1207     | 100      | Biased              | 97.63      | 97.544      | -0.086 |
| 1208     | 100      | Biased              | 97.652     | 97.568      | -0.084 |
| 1209     | 100      | Unbiased            | 97.608     | 97.512      | -0.096 |
| 1210     | 100      | Unbiased            | 97.628     | 97.534      | -0.094 |
| 1211     | 100      | Unbiased            | 97.583     | 97.48       | -0.103 |
| 1212     | 100      | Unbiased            | 97.659     | 97.565      | -0.094 |
| 1213     | 100      | Unbiased            | 97.601     | 97.508      | -0.093 |
| 1214     | 100      | Unbiased            | 97.616     | 97.522      | -0.094 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 97.597           | 97.626           | 97.659           | 0.027962         | 97.582            | 97.617            | 97.657            | 0.029742          | -0.016    | -0.0085   | 0.003     | 0.0080187 |
| 50       | 97.583           | 97.622           | 97.659           | 0.022768         | 97.528            | 97.579            | 97.615            | 0.024538          | -0.055    | -0.0435   | -0.039    | 0.0041451 |
| 100      | 97.583           | 97.622           | 97.659           | 0.022768         | 97.48             | 97.533            | 97.57             | 0.027371          | -0.103    | -0.089083 | -0.076    | 0.0077513 |

Device Test: 6.44 ; VOH\_RESET\_2MA

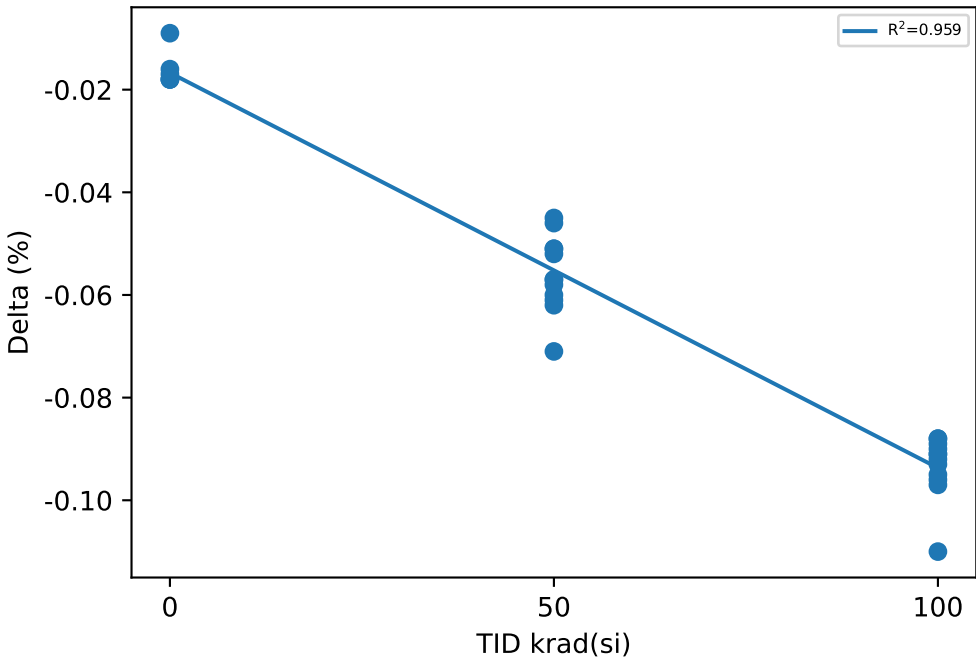
TID vs Result Stats



Test Results (Lower Limit = 95.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 97.645     | 97.636      | -0.009 |
| 201      | 0        | Correlation         | 97.694     | 97.677      | -0.017 |
| 202      | 0        | Correlation         | 97.627     | 97.609      | -0.018 |
| 203      | 50       | Biased              | 97.651     | 97.594      | -0.057 |
| 204      | 50       | Biased              | 97.669     | 97.612      | -0.057 |
| 205      | 50       | Biased              | 97.634     | 97.574      | -0.06  |
| 206      | 50       | Biased              | 97.617     | 97.559      | -0.058 |
| 207      | 50       | Biased              | 97.652     | 97.59       | -0.062 |
| 208      | 50       | Biased              | 97.677     | 97.616      | -0.061 |
| 209      | 50       | Unbiased            | 97.636     | 97.585      | -0.051 |
| 210      | 50       | Unbiased            | 97.657     | 97.605      | -0.052 |
| 211      | 50       | Unbiased            | 97.611     | 97.54       | -0.071 |
| 212      | 50       | Unbiased            | 97.689     | 97.638      | -0.051 |
| 213      | 50       | Unbiased            | 97.63      | 97.584      | -0.046 |
| 214      | 50       | Unbiased            | 97.636     | 97.591      | -0.045 |
| 1200     | 0        | Correlation         | 97.645     | 97.629      | -0.016 |
| 1201     | 0        | Correlation         | 97.694     | 97.676      | -0.018 |
| 1202     | 0        | Correlation         | 97.627     | 97.609      | -0.018 |
| 1203     | 100      | Biased              | 97.651     | 97.558      | -0.093 |
| 1204     | 100      | Biased              | 97.669     | 97.581      | -0.088 |
| 1205     | 100      | Biased              | 97.634     | 97.539      | -0.095 |
| 1206     | 100      | Biased              | 97.617     | 97.527      | -0.09  |
| 1207     | 100      | Biased              | 97.652     | 97.555      | -0.097 |
| 1208     | 100      | Biased              | 97.677     | 97.581      | -0.096 |
| 1209     | 100      | Unbiased            | 97.636     | 97.544      | -0.092 |
| 1210     | 100      | Unbiased            | 97.657     | 97.566      | -0.091 |
| 1211     | 100      | Unbiased            | 97.611     | 97.501      | -0.11  |
| 1212     | 100      | Unbiased            | 97.689     | 97.598      | -0.091 |
| 1213     | 100      | Unbiased            | 97.63      | 97.542      | -0.088 |
| 1214     | 100      | Unbiased            | 97.636     | 97.547      | -0.089 |

TID vs Post - Pre Exposure Delta



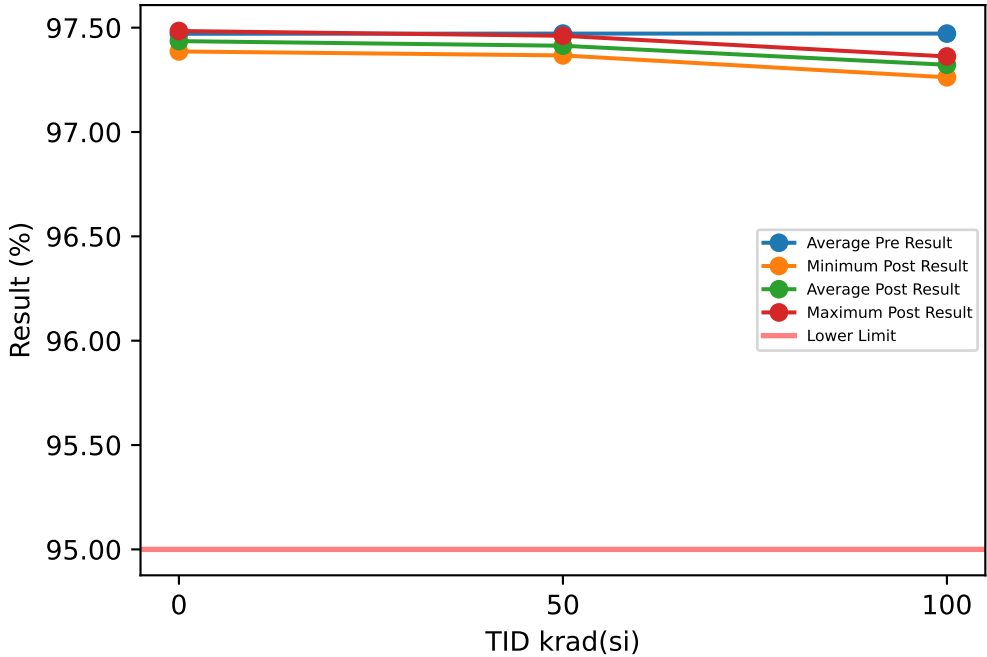
Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 97.627           | 97.655           | 97.694           | 0.031014         | 97.609            | 97.639            | 97.677            | 0.030729          | -0.018    | -0.016    | -0.009    | 0.0035214 |
| 50       | 97.611           | 97.647           | 97.689           | 0.023708         | 97.54             | 97.591            | 97.638            | 0.026074          | -0.071    | -0.055917 | -0.045    | 0.0073541 |
| 100      | 97.611           | 97.647           | 97.689           | 0.023708         | 97.501            | 97.553            | 97.598            | 0.026292          | -0.11     | -0.093333 | -0.088    | 0.0060352 |



Device Test: 6.45 ;VOH\_WDO\_2MA

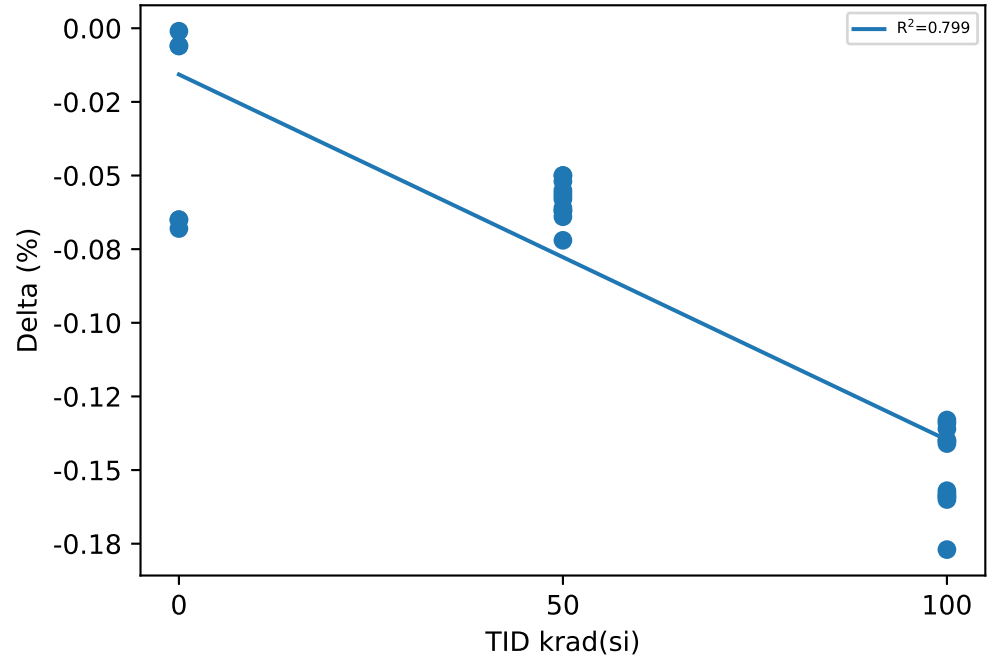
TID vs Result Stats



Test Results (Lower Limit = 95.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 97.471     | 97.47       | -0.001 |
| 201      | 0        | Correlation         | 97.49      | 97.484      | -0.006 |
| 202      | 0        | Correlation         | 97.451     | 97.445      | -0.006 |
| 203      | 50       | Biased              | 97.486     | 97.429      | -0.057 |
| 204      | 50       | Biased              | 97.488     | 97.426      | -0.062 |
| 205      | 50       | Biased              | 97.46      | 97.398      | -0.062 |
| 206      | 50       | Biased              | 97.437     | 97.379      | -0.058 |
| 207      | 50       | Biased              | 97.477     | 97.413      | -0.064 |
| 208      | 50       | Biased              | 97.503     | 97.442      | -0.061 |
| 209      | 50       | Unbiased            | 97.471     | 97.421      | -0.05  |
| 210      | 50       | Unbiased            | 97.473     | 97.418      | -0.055 |
| 211      | 50       | Unbiased            | 97.439     | 97.367      | -0.072 |
| 212      | 50       | Unbiased            | 97.517     | 97.461      | -0.056 |
| 213      | 50       | Unbiased            | 97.452     | 97.4        | -0.052 |
| 214      | 50       | Unbiased            | 97.456     | 97.406      | -0.05  |
| 1200     | 0        | Correlation         | 97.471     | 97.406      | -0.065 |
| 1201     | 0        | Correlation         | 97.49      | 97.422      | -0.068 |
| 1202     | 0        | Correlation         | 97.451     | 97.386      | -0.065 |
| 1203     | 100      | Biased              | 97.486     | 97.353      | -0.133 |
| 1204     | 100      | Biased              | 97.488     | 97.354      | -0.134 |
| 1205     | 100      | Biased              | 97.46      | 97.324      | -0.136 |
| 1206     | 100      | Biased              | 97.437     | 97.297      | -0.14  |
| 1207     | 100      | Biased              | 97.477     | 97.337      | -0.14  |
| 1208     | 100      | Biased              | 97.503     | 97.362      | -0.141 |
| 1209     | 100      | Unbiased            | 97.471     | 97.311      | -0.16  |
| 1210     | 100      | Unbiased            | 97.473     | 97.314      | -0.159 |
| 1211     | 100      | Unbiased            | 97.439     | 97.262      | -0.177 |
| 1212     | 100      | Unbiased            | 97.517     | 97.359      | -0.158 |
| 1213     | 100      | Unbiased            | 97.452     | 97.295      | -0.157 |
| 1214     | 100      | Unbiased            | 97.456     | 97.297      | -0.159 |

TID vs Post - Pre Exposure Delta

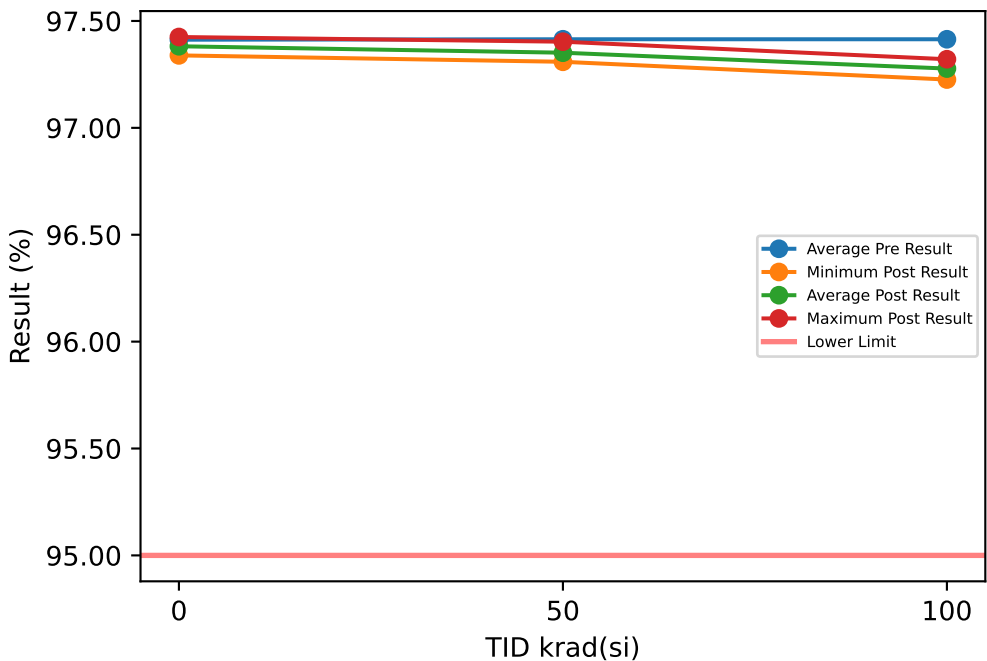


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 97.451           | 97.471           | 97.49            | 0.017443         | 97.386            | 97.435            | 97.484            | 0.037777          | -0.068    | -0.035167 | -0.001    | 0.033843  |
| 50       | 97.437           | 97.472           | 97.517           | 0.024452         | 97.367            | 97.413            | 97.461            | 0.025889          | -0.072    | -0.05825  | -0.05     | 0.0063978 |
| 100      | 97.437           | 97.472           | 97.517           | 0.024452         | 97.262            | 97.322            | 97.362            | 0.031546          | -0.177    | -0.1495   | -0.133    | 0.013892  |

Device Test: 6.46 ; VOH\_PWRGD\_2MA

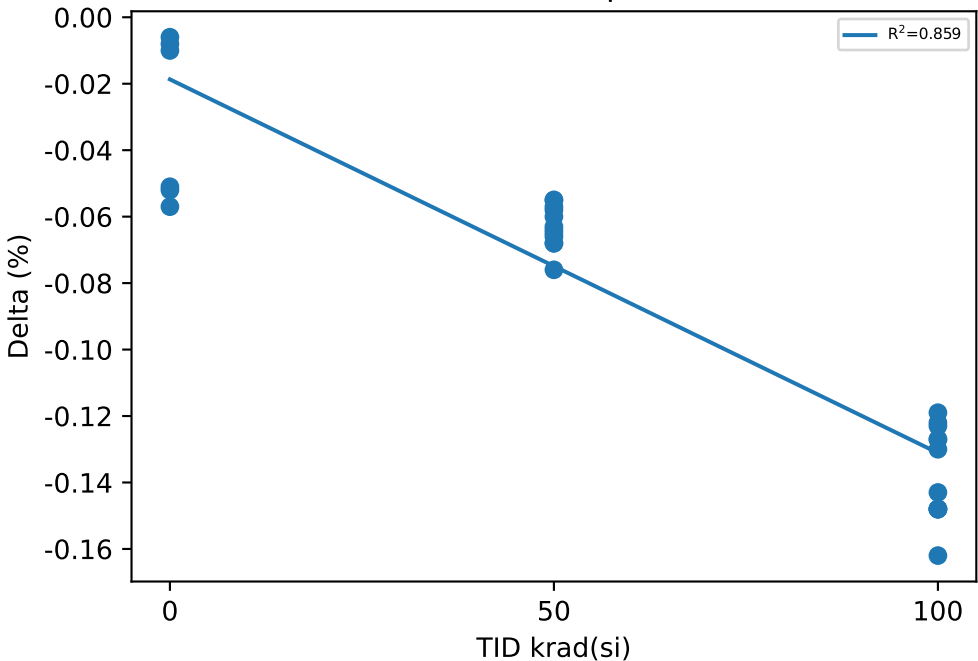
TID vs Result Stats



Test Results (Lower Limit = 95.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 97.412     | 97.406      | -0.006 |
| 201      | 0        | Correlation         | 97.435     | 97.425      | -0.01  |
| 202      | 0        | Correlation         | 97.39      | 97.382      | -0.008 |
| 203      | 50       | Biased              | 97.432     | 97.369      | -0.063 |
| 204      | 50       | Biased              | 97.439     | 97.373      | -0.066 |
| 205      | 50       | Biased              | 97.401     | 97.336      | -0.065 |
| 206      | 50       | Biased              | 97.373     | 97.309      | -0.064 |
| 207      | 50       | Biased              | 97.407     | 97.339      | -0.068 |
| 208      | 50       | Biased              | 97.451     | 97.383      | -0.068 |
| 209      | 50       | Unbiased            | 97.413     | 97.358      | -0.055 |
| 210      | 50       | Unbiased            | 97.415     | 97.355      | -0.06  |
| 211      | 50       | Unbiased            | 97.388     | 97.312      | -0.076 |
| 212      | 50       | Unbiased            | 97.46      | 97.403      | -0.057 |
| 213      | 50       | Unbiased            | 97.393     | 97.335      | -0.058 |
| 214      | 50       | Unbiased            | 97.401     | 97.346      | -0.055 |
| 1200     | 0        | Correlation         | 97.412     | 97.36       | -0.052 |
| 1201     | 0        | Correlation         | 97.435     | 97.378      | -0.057 |
| 1202     | 0        | Correlation         | 97.39      | 97.339      | -0.051 |
| 1203     | 100      | Biased              | 97.432     | 97.31       | -0.122 |
| 1204     | 100      | Biased              | 97.439     | 97.32       | -0.119 |
| 1205     | 100      | Biased              | 97.401     | 97.278      | -0.123 |
| 1206     | 100      | Biased              | 97.373     | 97.246      | -0.127 |
| 1207     | 100      | Biased              | 97.407     | 97.28       | -0.127 |
| 1208     | 100      | Biased              | 97.451     | 97.321      | -0.13  |
| 1209     | 100      | Unbiased            | 97.413     | 97.265      | -0.148 |
| 1210     | 100      | Unbiased            | 97.415     | 97.267      | -0.148 |
| 1211     | 100      | Unbiased            | 97.388     | 97.226      | -0.162 |
| 1212     | 100      | Unbiased            | 97.46      | 97.317      | -0.143 |
| 1213     | 100      | Unbiased            | 97.393     | 97.245      | -0.148 |
| 1214     | 100      | Unbiased            | 97.401     | 97.253      | -0.148 |

TID vs Post - Pre Exposure Delta

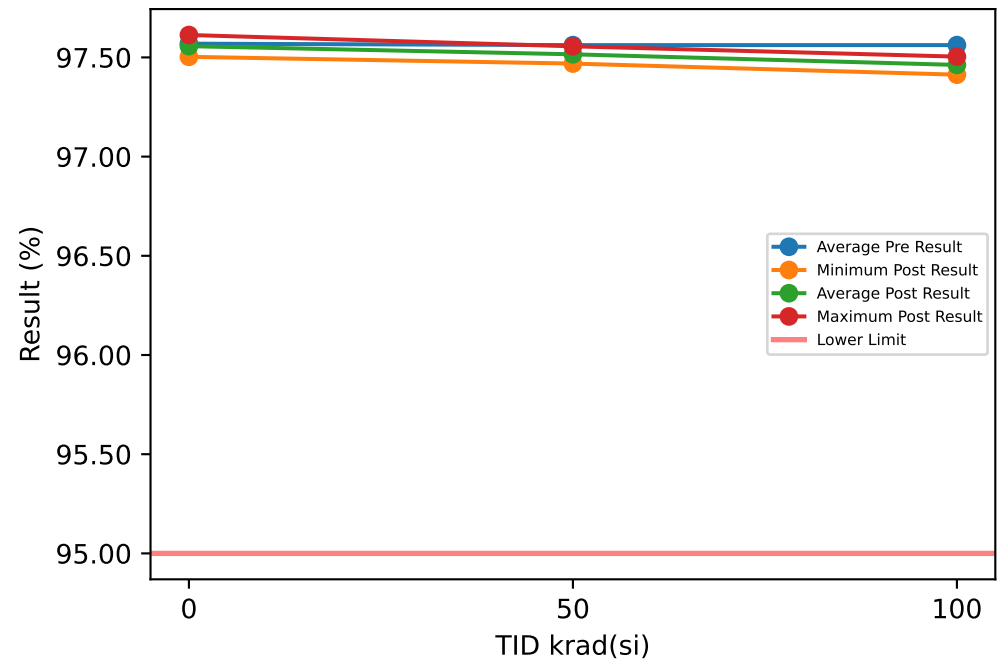


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 97.39            | 97.412           | 97.435           | 0.020126         | 97.339            | 97.382            | 97.425            | 0.030898          | -0.057    | -0.030667 | -0.006    | 0.024945  |
| 50       | 97.373           | 97.414           | 97.46            | 0.026318         | 97.309            | 97.352            | 97.403            | 0.027852          | -0.076    | -0.062917 | -0.055    | 0.0062589 |
| 100      | 97.373           | 97.414           | 97.46            | 0.026318         | 97.226            | 97.277            | 97.321            | 0.032875          | -0.162    | -0.13708  | -0.119    | 0.013944  |

Device Test: 6.47 ; VOH\_RESET\_2MA

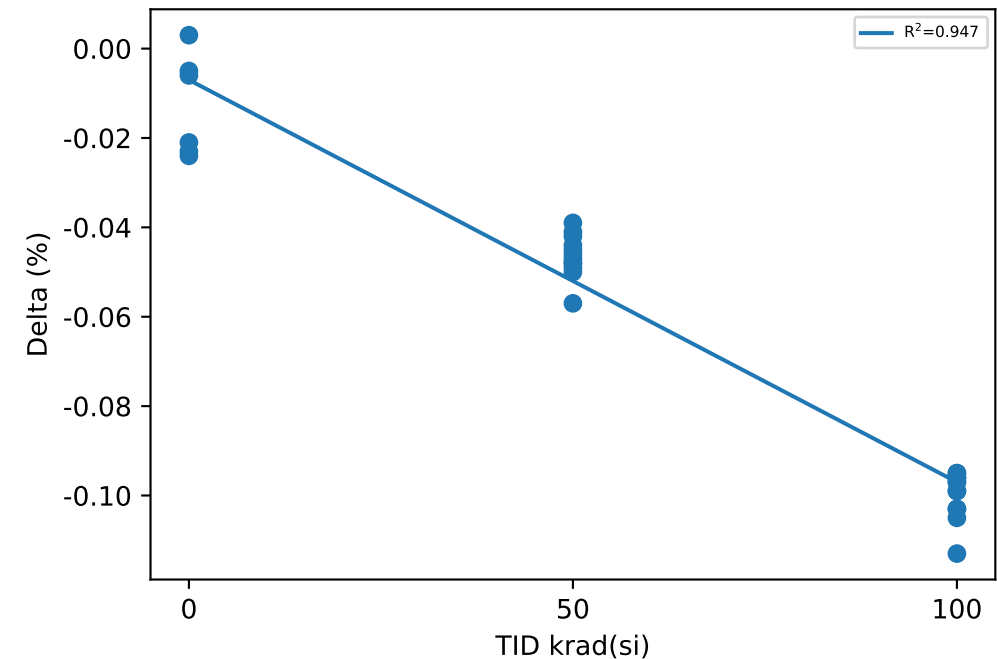
TID vs Result Stats



Test Results (Lower Limit = 95.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 97.563     | 97.566      | 0.003  |
| 201      | 0        | Correlation         | 97.618     | 97.613      | -0.005 |
| 202      | 0        | Correlation         | 97.527     | 97.521      | -0.006 |
| 203      | 50       | Biased              | 97.557     | 97.511      | -0.046 |
| 204      | 50       | Biased              | 97.591     | 97.546      | -0.045 |
| 205      | 50       | Biased              | 97.557     | 97.509      | -0.048 |
| 206      | 50       | Biased              | 97.549     | 97.502      | -0.047 |
| 207      | 50       | Biased              | 97.56      | 97.511      | -0.049 |
| 208      | 50       | Biased              | 97.587     | 97.537      | -0.05  |
| 209      | 50       | Unbiased            | 97.544     | 97.503      | -0.041 |
| 210      | 50       | Unbiased            | 97.576     | 97.528      | -0.048 |
| 211      | 50       | Unbiased            | 97.526     | 97.469      | -0.057 |
| 212      | 50       | Unbiased            | 97.6       | 97.556      | -0.044 |
| 213      | 50       | Unbiased            | 97.539     | 97.497      | -0.042 |
| 214      | 50       | Unbiased            | 97.558     | 97.519      | -0.039 |
| 1200     | 0        | Correlation         | 97.563     | 97.542      | -0.021 |
| 1201     | 0        | Correlation         | 97.618     | 97.595      | -0.023 |
| 1202     | 0        | Correlation         | 97.527     | 97.503      | -0.024 |
| 1203     | 100      | Biased              | 97.557     | 97.458      | -0.099 |
| 1204     | 100      | Biased              | 97.591     | 97.496      | -0.095 |
| 1205     | 100      | Biased              | 97.557     | 97.454      | -0.103 |
| 1206     | 100      | Biased              | 97.549     | 97.454      | -0.095 |
| 1207     | 100      | Biased              | 97.56      | 97.457      | -0.103 |
| 1208     | 100      | Biased              | 97.587     | 97.482      | -0.105 |
| 1209     | 100      | Unbiased            | 97.544     | 97.445      | -0.099 |
| 1210     | 100      | Unbiased            | 97.576     | 97.479      | -0.097 |
| 1211     | 100      | Unbiased            | 97.526     | 97.413      | -0.113 |
| 1212     | 100      | Unbiased            | 97.6       | 97.504      | -0.096 |
| 1213     | 100      | Unbiased            | 97.539     | 97.442      | -0.097 |
| 1214     | 100      | Unbiased            | 97.558     | 97.462      | -0.096 |

TID vs Post - Pre Exposure Delta

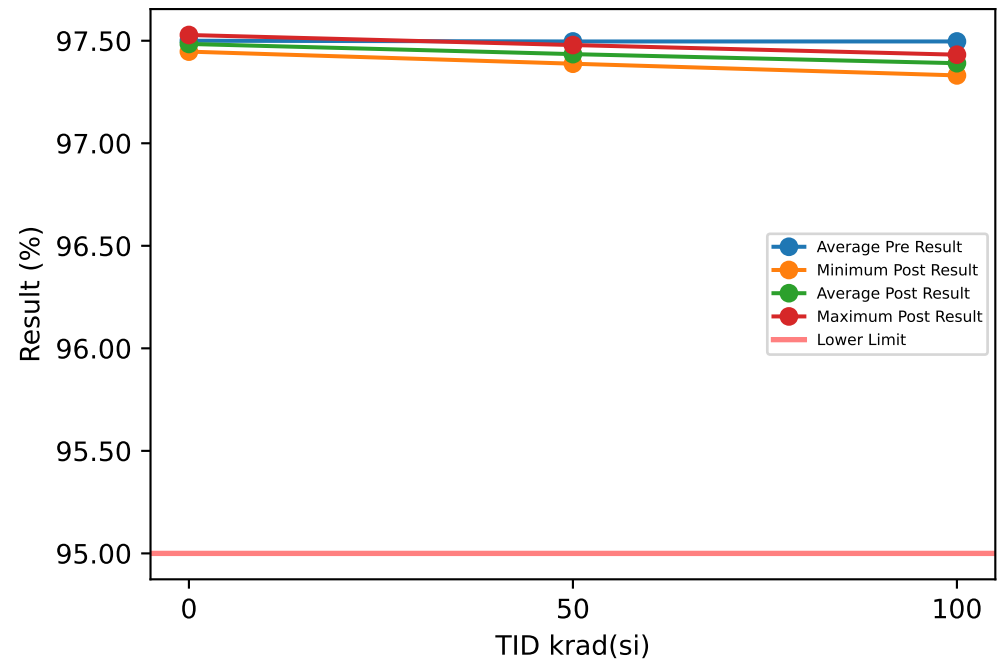


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 97.527           | 97.569           | 97.618           | 0.040991         | 97.503            | 97.557            | 97.613            | 0.042655          | -0.024    | -0.012667 | 0.003     | 0.011431  |
| 50       | 97.526           | 97.562           | 97.6             | 0.022348         | 97.469            | 97.516            | 97.556            | 0.0236            | -0.057    | -0.046333 | -0.039    | 0.0047546 |
| 100      | 97.526           | 97.562           | 97.6             | 0.022348         | 97.413            | 97.462            | 97.504            | 0.024987          | -0.113    | -0.099833 | -0.095    | 0.00534   |

Device Test: 6.48 ; VOH\_RESET\_2MA

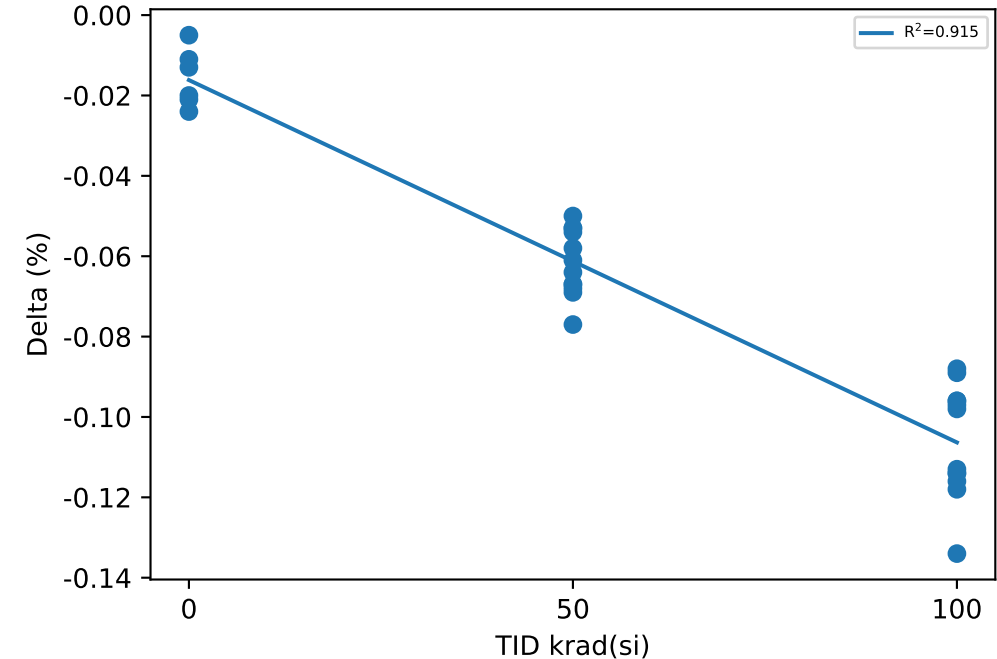
TID vs Result Stats



Test Results (Lower Limit = 95.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 97.49      | 97.485      | -0.005 |
| 201      | 0        | Correlation         | 97.539     | 97.528      | -0.011 |
| 202      | 0        | Correlation         | 97.471     | 97.458      | -0.013 |
| 203      | 50       | Biased              | 97.499     | 97.435      | -0.064 |
| 204      | 50       | Biased              | 97.52      | 97.459      | -0.061 |
| 205      | 50       | Biased              | 97.484     | 97.416      | -0.068 |
| 206      | 50       | Biased              | 97.475     | 97.408      | -0.067 |
| 207      | 50       | Biased              | 97.497     | 97.428      | -0.069 |
| 208      | 50       | Biased              | 97.527     | 97.46       | -0.067 |
| 209      | 50       | Unbiased            | 97.482     | 97.429      | -0.053 |
| 210      | 50       | Unbiased            | 97.505     | 97.447      | -0.058 |
| 211      | 50       | Unbiased            | 97.465     | 97.388      | -0.077 |
| 212      | 50       | Unbiased            | 97.533     | 97.479      | -0.054 |
| 213      | 50       | Unbiased            | 97.478     | 97.425      | -0.053 |
| 214      | 50       | Unbiased            | 97.493     | 97.443      | -0.05  |
| 1200     | 0        | Correlation         | 97.49      | 97.47       | -0.02  |
| 1201     | 0        | Correlation         | 97.539     | 97.518      | -0.021 |
| 1202     | 0        | Correlation         | 97.471     | 97.447      | -0.024 |
| 1203     | 100      | Biased              | 97.499     | 97.41       | -0.089 |
| 1204     | 100      | Biased              | 97.52      | 97.432      | -0.088 |
| 1205     | 100      | Biased              | 97.484     | 97.388      | -0.096 |
| 1206     | 100      | Biased              | 97.475     | 97.378      | -0.097 |
| 1207     | 100      | Biased              | 97.497     | 97.399      | -0.098 |
| 1208     | 100      | Biased              | 97.527     | 97.431      | -0.096 |
| 1209     | 100      | Unbiased            | 97.482     | 97.364      | -0.118 |
| 1210     | 100      | Unbiased            | 97.505     | 97.391      | -0.114 |
| 1211     | 100      | Unbiased            | 97.465     | 97.331      | -0.134 |
| 1212     | 100      | Unbiased            | 97.533     | 97.419      | -0.114 |
| 1213     | 100      | Unbiased            | 97.478     | 97.362      | -0.116 |
| 1214     | 100      | Unbiased            | 97.493     | 97.38       | -0.113 |

TID vs Post - Pre Exposure Delta

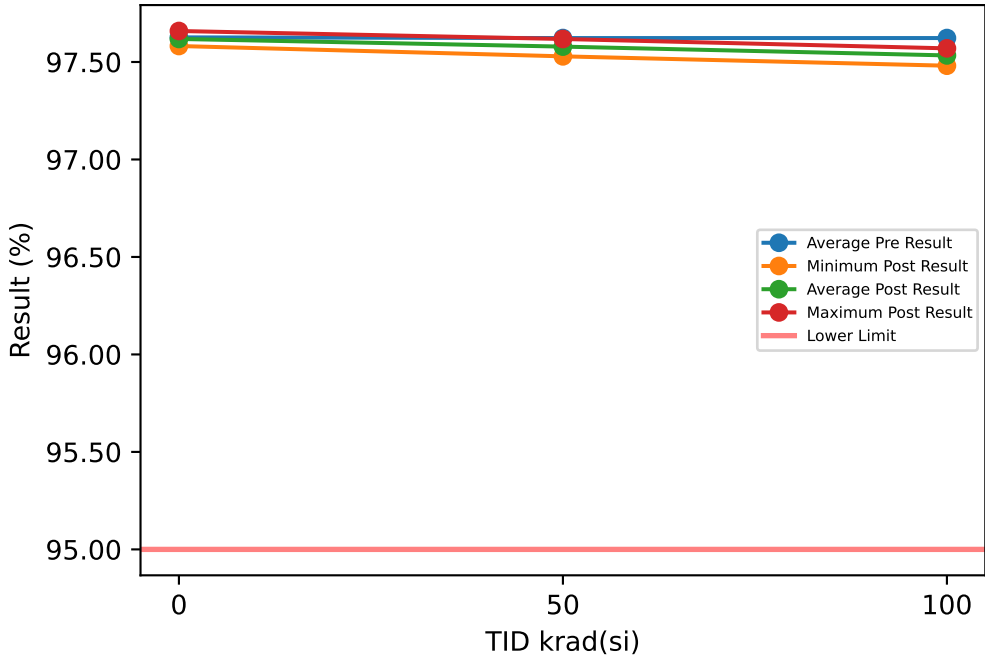


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 97.471           | 97.5             | 97.539           | 0.031382         | 97.447            | 97.484            | 97.528            | 0.03266           | -0.024    | -0.015667 | -0.005    | 0.0072019 |
| 50       | 97.465           | 97.497           | 97.533           | 0.021467         | 97.388            | 97.435            | 97.479            | 0.024915          | -0.077    | -0.06175  | -0.05     | 0.0082586 |
| 100      | 97.465           | 97.497           | 97.533           | 0.021467         | 97.331            | 97.39             | 97.432            | 0.030083          | -0.134    | -0.10608  | -0.088    | 0.014022  |

Device Test: 6.49 ; VOH\_RESET\_2MA

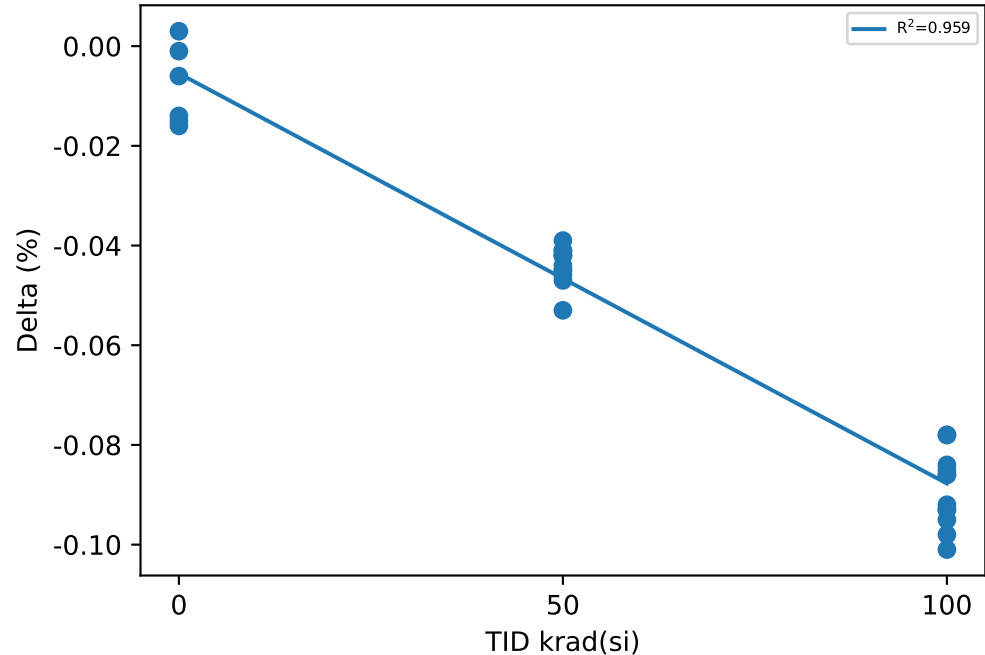
TID vs Result Stats



Test Results (Lower Limit = 95.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 97.621     | 97.624      | 0.003  |
| 201      | 0        | Correlation         | 97.66      | 97.659      | -0.001 |
| 202      | 0        | Correlation         | 97.598     | 97.592      | -0.006 |
| 203      | 50       | Biased              | 97.624     | 97.582      | -0.042 |
| 204      | 50       | Biased              | 97.648     | 97.607      | -0.041 |
| 205      | 50       | Biased              | 97.618     | 97.574      | -0.044 |
| 206      | 50       | Biased              | 97.6       | 97.555      | -0.045 |
| 207      | 50       | Biased              | 97.63      | 97.584      | -0.046 |
| 208      | 50       | Biased              | 97.655     | 97.61       | -0.045 |
| 209      | 50       | Unbiased            | 97.61      | 97.568      | -0.042 |
| 210      | 50       | Unbiased            | 97.629     | 97.582      | -0.047 |
| 211      | 50       | Unbiased            | 97.582     | 97.529      | -0.053 |
| 212      | 50       | Unbiased            | 97.659     | 97.618      | -0.041 |
| 213      | 50       | Unbiased            | 97.602     | 97.56       | -0.042 |
| 214      | 50       | Unbiased            | 97.617     | 97.578      | -0.039 |
| 1200     | 0        | Correlation         | 97.621     | 97.607      | -0.014 |
| 1201     | 0        | Correlation         | 97.66      | 97.645      | -0.015 |
| 1202     | 0        | Correlation         | 97.598     | 97.582      | -0.016 |
| 1203     | 100      | Biased              | 97.624     | 97.546      | -0.078 |
| 1204     | 100      | Biased              | 97.648     | 97.57       | -0.078 |
| 1205     | 100      | Biased              | 97.618     | 97.534      | -0.084 |
| 1206     | 100      | Biased              | 97.6       | 97.514      | -0.086 |
| 1207     | 100      | Biased              | 97.63      | 97.544      | -0.086 |
| 1208     | 100      | Biased              | 97.655     | 97.57       | -0.085 |
| 1209     | 100      | Unbiased            | 97.61      | 97.512      | -0.098 |
| 1210     | 100      | Unbiased            | 97.629     | 97.536      | -0.093 |
| 1211     | 100      | Unbiased            | 97.582     | 97.481      | -0.101 |
| 1212     | 100      | Unbiased            | 97.659     | 97.567      | -0.092 |
| 1213     | 100      | Unbiased            | 97.602     | 97.507      | -0.095 |
| 1214     | 100      | Unbiased            | 97.617     | 97.524      | -0.093 |

TID vs Post - Pre Exposure Delta

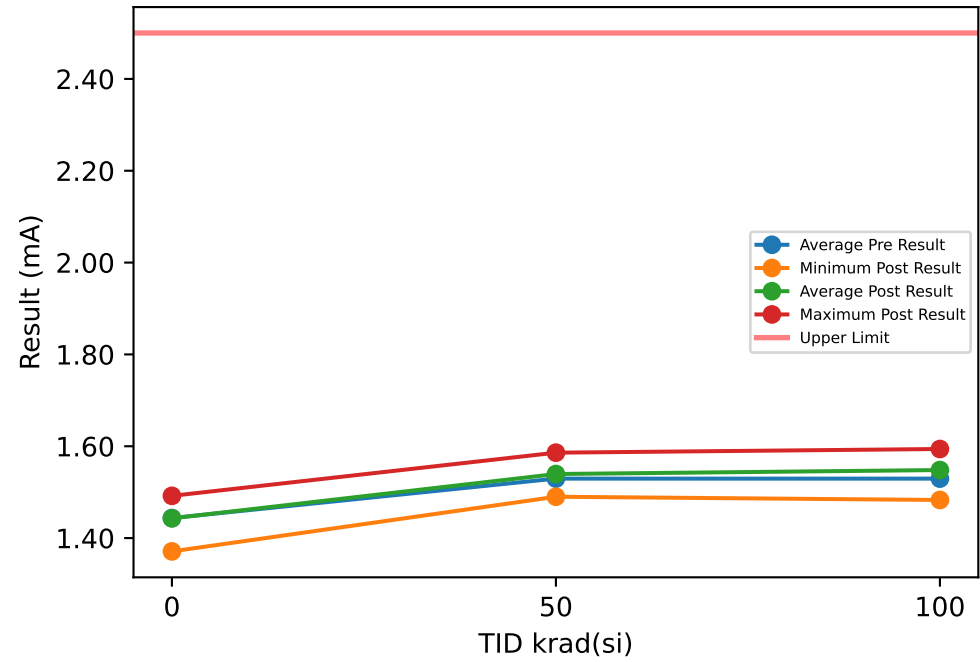


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 97.598           | 97.626           | 97.66            | 0.028033         | 97.582            | 97.618            | 97.659            | 0.030129          | -0.016    | -0.0081667 | 0.003     | 0.0080353 |
| 50       | 97.582           | 97.623           | 97.659           | 0.023182         | 97.529            | 97.579            | 97.618            | 0.025033          | -0.053    | -0.043917  | -0.039    | 0.003704  |
| 100      | 97.582           | 97.623           | 97.659           | 0.023182         | 97.481            | 97.534            | 97.57             | 0.027717          | -0.101    | -0.089083  | -0.078    | 0.0074034 |

Device Test: 6.5 ; IQ

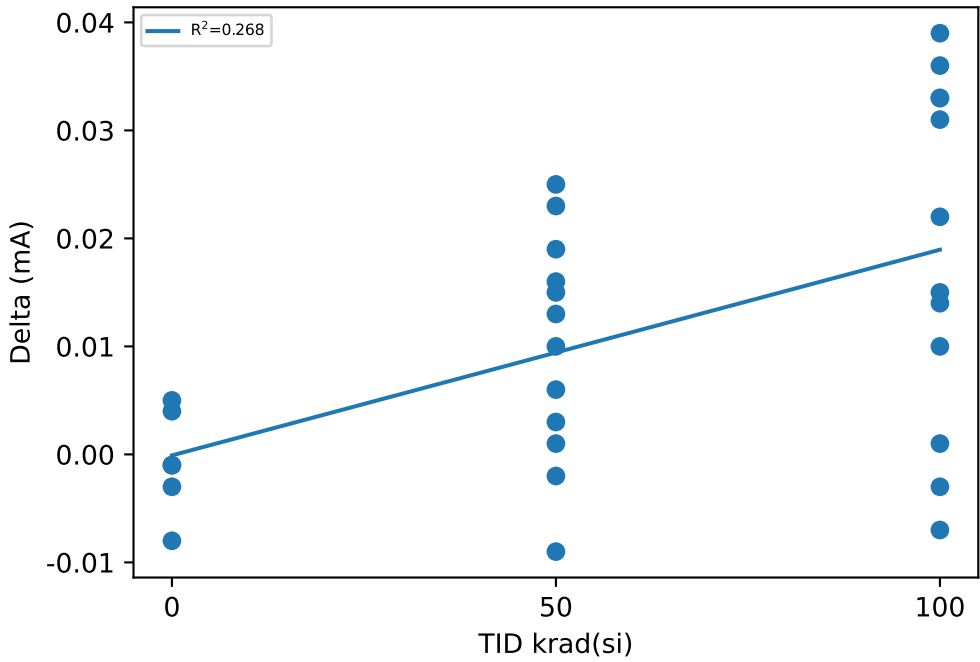
TID vs Result Stats



Test Results (Upper Limit = 2.5 (mA))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 1.495      | 1.487       | -0.008 |
| 201      | 0        | Correlation         | 1.372      | 1.371       | -0.001 |
| 202      | 0        | Correlation         | 1.464      | 1.463       | -0.001 |
| 203      | 50       | Biased              | 1.549      | 1.54        | -0.009 |
| 204      | 50       | Biased              | 1.49       | 1.493       | 0.003  |
| 205      | 50       | Biased              | 1.515      | 1.521       | 0.006  |
| 206      | 50       | Biased              | 1.563      | 1.576       | 0.013  |
| 207      | 50       | Biased              | 1.525      | 1.54        | 0.015  |
| 208      | 50       | Biased              | 1.536      | 1.534       | -0.002 |
| 209      | 50       | Unbiased            | 1.529      | 1.545       | 0.016  |
| 210      | 50       | Unbiased            | 1.561      | 1.586       | 0.025  |
| 211      | 50       | Unbiased            | 1.508      | 1.518       | 0.01   |
| 212      | 50       | Unbiased            | 1.471      | 1.49        | 0.019  |
| 213      | 50       | Unbiased            | 1.533      | 1.556       | 0.023  |
| 214      | 50       | Unbiased            | 1.574      | 1.575       | 0.001  |
| 1200     | 0        | Correlation         | 1.495      | 1.492       | -0.003 |
| 1201     | 0        | Correlation         | 1.372      | 1.377       | 0.005  |
| 1202     | 0        | Correlation         | 1.464      | 1.468       | 0.004  |
| 1203     | 100      | Biased              | 1.549      | 1.563       | 0.014  |
| 1204     | 100      | Biased              | 1.49       | 1.483       | -0.007 |
| 1205     | 100      | Biased              | 1.515      | 1.516       | 0.001  |
| 1206     | 100      | Biased              | 1.563      | 1.594       | 0.031  |
| 1207     | 100      | Biased              | 1.525      | 1.564       | 0.039  |
| 1208     | 100      | Biased              | 1.536      | 1.533       | -0.003 |
| 1209     | 100      | Unbiased            | 1.529      | 1.562       | 0.033  |
| 1210     | 100      | Unbiased            | 1.561      | 1.583       | 0.022  |
| 1211     | 100      | Unbiased            | 1.508      | 1.544       | 0.036  |
| 1212     | 100      | Unbiased            | 1.471      | 1.486       | 0.015  |
| 1213     | 100      | Unbiased            | 1.533      | 1.566       | 0.033  |
| 1214     | 100      | Unbiased            | 1.574      | 1.584       | 0.01   |

TID vs Post - Pre Exposure Delta



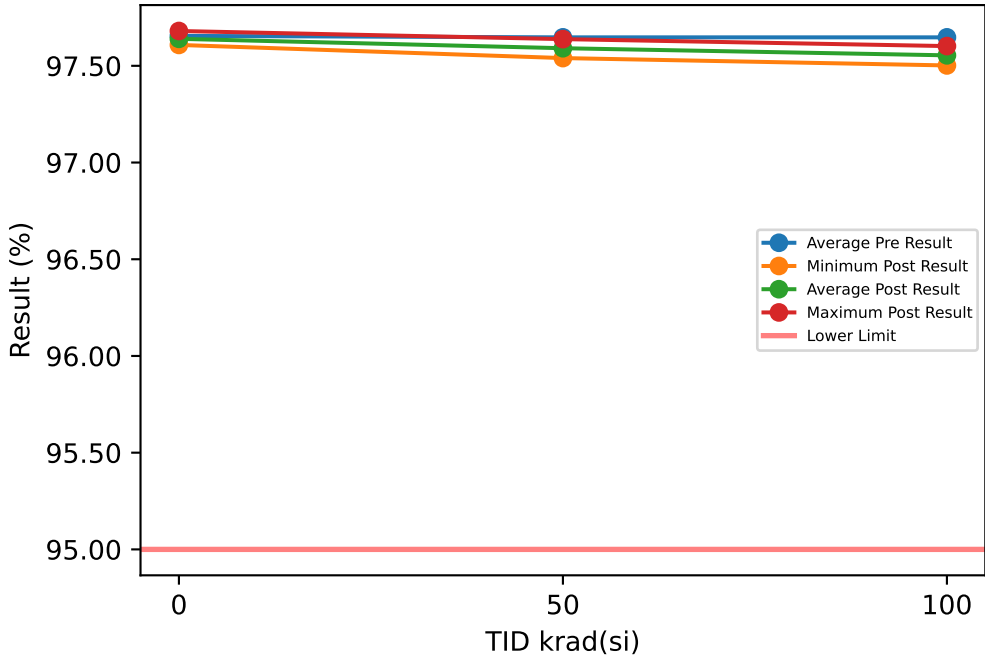
Test Statistics (mA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|-----------|
| 0        | 1.372            | 1.4437           | 1.495            | 0.057218         | 1.371             | 1.443             | 1.492             | 0.054593          | -0.008    | -0.00066667 | 0.005     | 0.004761  |
| 50       | 1.471            | 1.5295           | 1.574            | 0.030459         | 1.49              | 1.5395            | 1.586             | 0.030903          | -0.009    | 0.01        | 0.025     | 0.010427  |
| 100      | 1.471            | 1.5295           | 1.574            | 0.030459         | 1.483             | 1.5482            | 1.594             | 0.036893          | -0.007    | 0.018667    | 0.039     | 0.016064  |



Device Test: 6.50 ; VOH\_RESET\_2MA

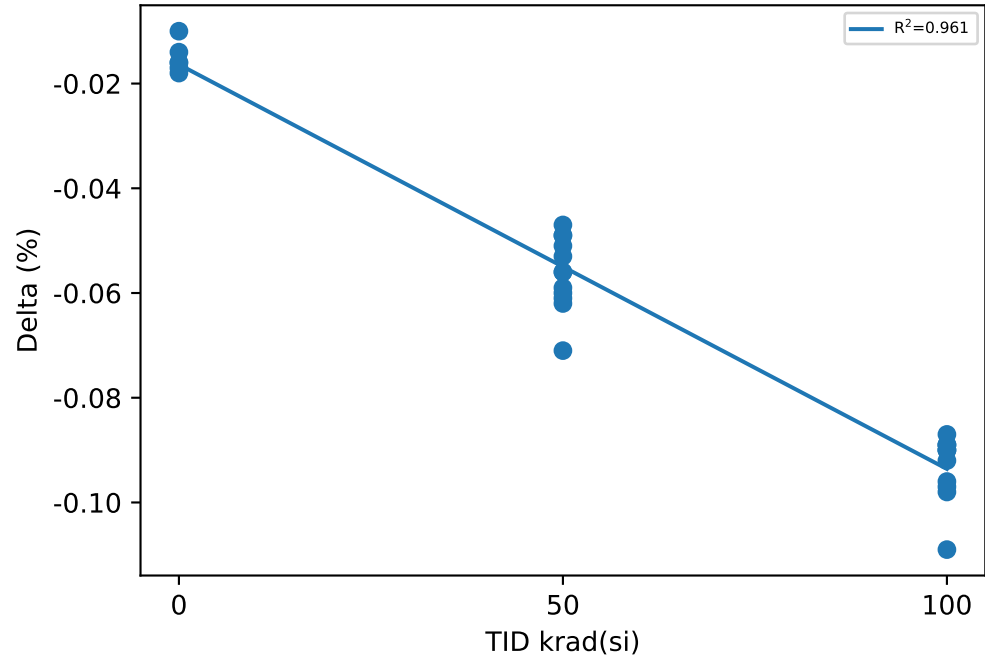
TID vs Result Stats



Test Results (Lower Limit = 95.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 97.645     | 97.635      | -0.01  |
| 201      | 0        | Correlation         | 97.694     | 97.68       | -0.014 |
| 202      | 0        | Correlation         | 97.625     | 97.609      | -0.016 |
| 203      | 50       | Biased              | 97.65      | 97.594      | -0.056 |
| 204      | 50       | Biased              | 97.671     | 97.615      | -0.056 |
| 205      | 50       | Biased              | 97.635     | 97.573      | -0.062 |
| 206      | 50       | Biased              | 97.617     | 97.558      | -0.059 |
| 207      | 50       | Biased              | 97.652     | 97.591      | -0.061 |
| 208      | 50       | Biased              | 97.678     | 97.618      | -0.06  |
| 209      | 50       | Unbiased            | 97.637     | 97.588      | -0.049 |
| 210      | 50       | Unbiased            | 97.657     | 97.604      | -0.053 |
| 211      | 50       | Unbiased            | 97.611     | 97.54       | -0.071 |
| 212      | 50       | Unbiased            | 97.689     | 97.638      | -0.051 |
| 213      | 50       | Unbiased            | 97.631     | 97.582      | -0.049 |
| 214      | 50       | Unbiased            | 97.638     | 97.591      | -0.047 |
| 1200     | 0        | Correlation         | 97.645     | 97.629      | -0.016 |
| 1201     | 0        | Correlation         | 97.694     | 97.676      | -0.018 |
| 1202     | 0        | Correlation         | 97.625     | 97.608      | -0.017 |
| 1203     | 100      | Biased              | 97.65      | 97.56       | -0.09  |
| 1204     | 100      | Biased              | 97.671     | 97.581      | -0.09  |
| 1205     | 100      | Biased              | 97.635     | 97.539      | -0.096 |
| 1206     | 100      | Biased              | 97.617     | 97.527      | -0.09  |
| 1207     | 100      | Biased              | 97.652     | 97.554      | -0.098 |
| 1208     | 100      | Biased              | 97.678     | 97.581      | -0.097 |
| 1209     | 100      | Unbiased            | 97.637     | 97.545      | -0.092 |
| 1210     | 100      | Unbiased            | 97.657     | 97.568      | -0.089 |
| 1211     | 100      | Unbiased            | 97.611     | 97.502      | -0.109 |
| 1212     | 100      | Unbiased            | 97.689     | 97.602      | -0.087 |
| 1213     | 100      | Unbiased            | 97.631     | 97.542      | -0.089 |
| 1214     | 100      | Unbiased            | 97.638     | 97.549      | -0.089 |

TID vs Post - Pre Exposure Delta

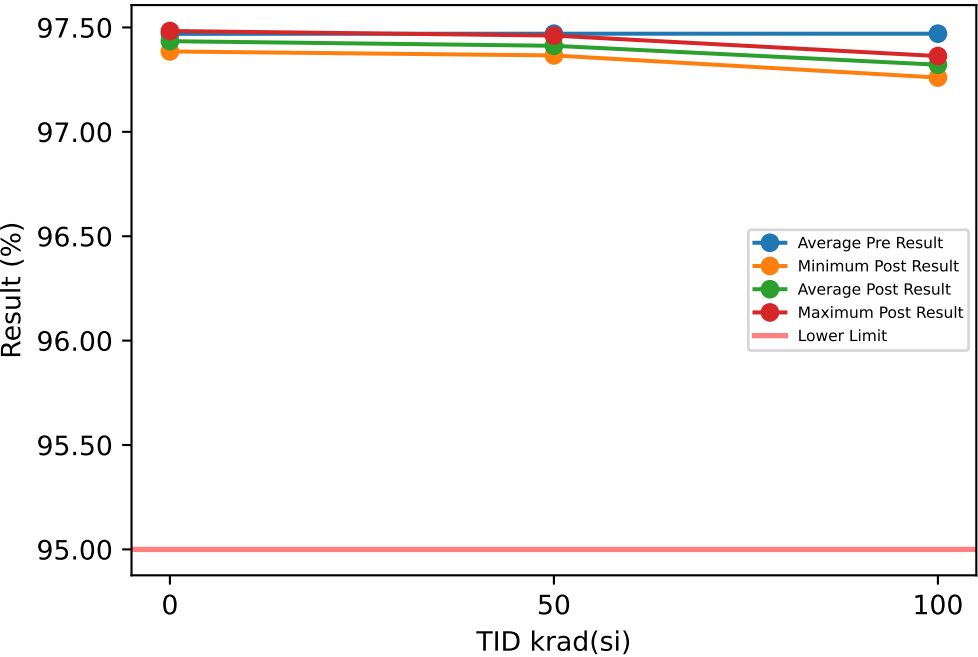


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 97.625           | 97.655           | 97.694           | 0.031753         | 97.608            | 97.639            | 97.68             | 0.031703          | -0.018    | -0.015167 | -0.01     | 0.0028577 |
| 50       | 97.611           | 97.647           | 97.689           | 0.023763         | 97.54             | 97.591            | 97.638            | 0.026622          | -0.071    | -0.056167 | -0.047    | 0.0068997 |
| 100      | 97.611           | 97.647           | 97.689           | 0.023763         | 97.502            | 97.554            | 97.602            | 0.026802          | -0.109    | -0.093    | -0.087    | 0.0061644 |

Device Test: 6.51 ;VOH\_WDO\_2MA

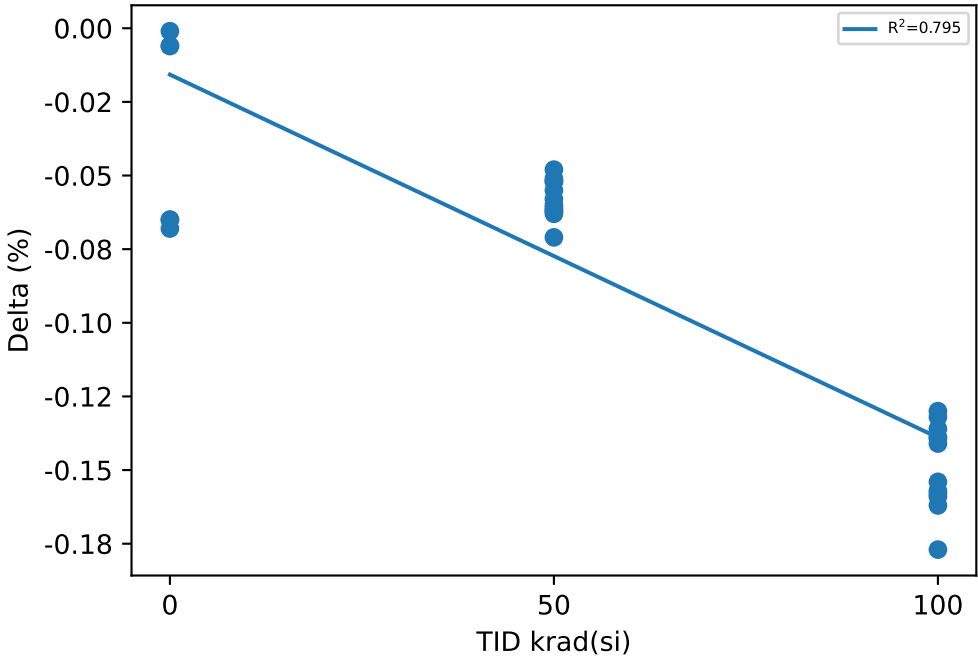
TID vs Result Stats



Test Results (Lower Limit = 95.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 97.469     | 97.468      | -0.001 |
| 201      | 0        | Correlation         | 97.489     | 97.483      | -0.006 |
| 202      | 0        | Correlation         | 97.45      | 97.444      | -0.006 |
| 203      | 50       | Biased              | 97.485     | 97.427      | -0.058 |
| 204      | 50       | Biased              | 97.487     | 97.425      | -0.062 |
| 205      | 50       | Biased              | 97.459     | 97.396      | -0.063 |
| 206      | 50       | Biased              | 97.437     | 97.377      | -0.06  |
| 207      | 50       | Biased              | 97.474     | 97.412      | -0.062 |
| 208      | 50       | Biased              | 97.502     | 97.441      | -0.061 |
| 209      | 50       | Unbiased            | 97.472     | 97.42       | -0.052 |
| 210      | 50       | Unbiased            | 97.471     | 97.416      | -0.055 |
| 211      | 50       | Unbiased            | 97.437     | 97.366      | -0.071 |
| 212      | 50       | Unbiased            | 97.512     | 97.461      | -0.051 |
| 213      | 50       | Unbiased            | 97.452     | 97.4        | -0.052 |
| 214      | 50       | Unbiased            | 97.453     | 97.405      | -0.048 |
| 1200     | 0        | Correlation         | 97.469     | 97.404      | -0.065 |
| 1201     | 0        | Correlation         | 97.489     | 97.421      | -0.068 |
| 1202     | 0        | Correlation         | 97.45      | 97.385      | -0.065 |
| 1203     | 100      | Biased              | 97.485     | 97.353      | -0.132 |
| 1204     | 100      | Biased              | 97.487     | 97.357      | -0.13  |
| 1205     | 100      | Biased              | 97.459     | 97.323      | -0.136 |
| 1206     | 100      | Biased              | 97.437     | 97.296      | -0.141 |
| 1207     | 100      | Biased              | 97.474     | 97.335      | -0.139 |
| 1208     | 100      | Biased              | 97.502     | 97.363      | -0.139 |
| 1209     | 100      | Unbiased            | 97.472     | 97.31       | -0.162 |
| 1210     | 100      | Unbiased            | 97.471     | 97.314      | -0.157 |
| 1211     | 100      | Unbiased            | 97.437     | 97.26       | -0.177 |
| 1212     | 100      | Unbiased            | 97.512     | 97.358      | -0.154 |
| 1213     | 100      | Unbiased            | 97.452     | 97.294      | -0.158 |
| 1214     | 100      | Unbiased            | 97.453     | 97.294      | -0.159 |

TID vs Post - Pre Exposure Delta

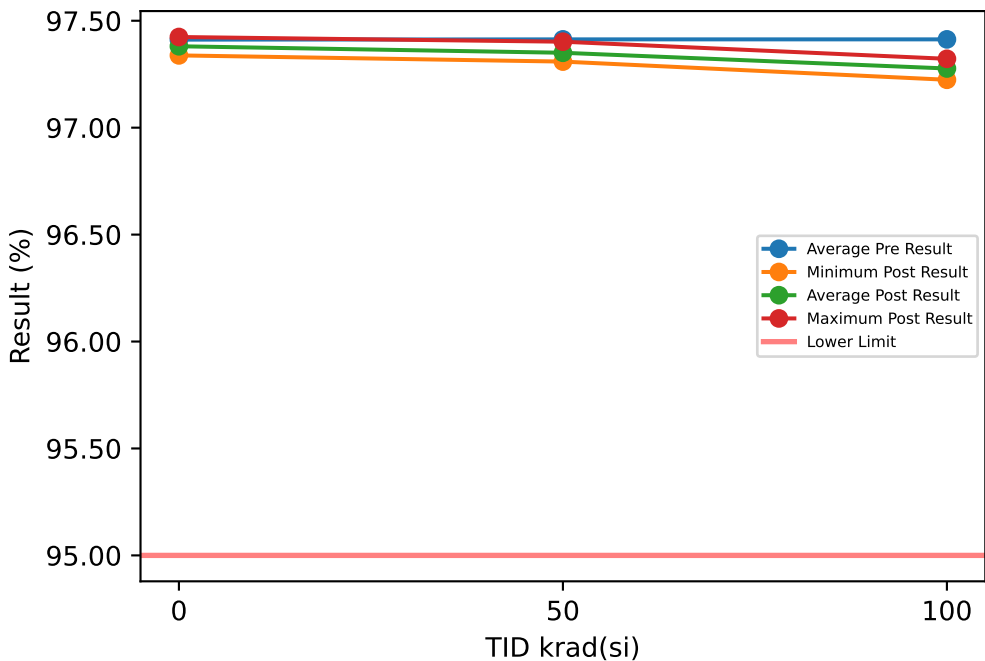


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 97.45            | 97.469           | 97.489           | 0.017443         | 97.385            | 97.434            | 97.483            | 0.037754          | -0.068    | -0.035167 | -0.001    | 0.033843  |
| 50       | 97.437           | 97.47            | 97.512           | 0.023808         | 97.366            | 97.412            | 97.461            | 0.026122          | -0.071    | -0.057917 | -0.048    | 0.0065291 |
| 100      | 97.437           | 97.47            | 97.512           | 0.023808         | 97.26             | 97.321            | 97.363            | 0.032509          | -0.177    | -0.14867  | -0.13     | 0.014475  |

Device Test: 6.52 ; VOH\_PWRGD\_2MA

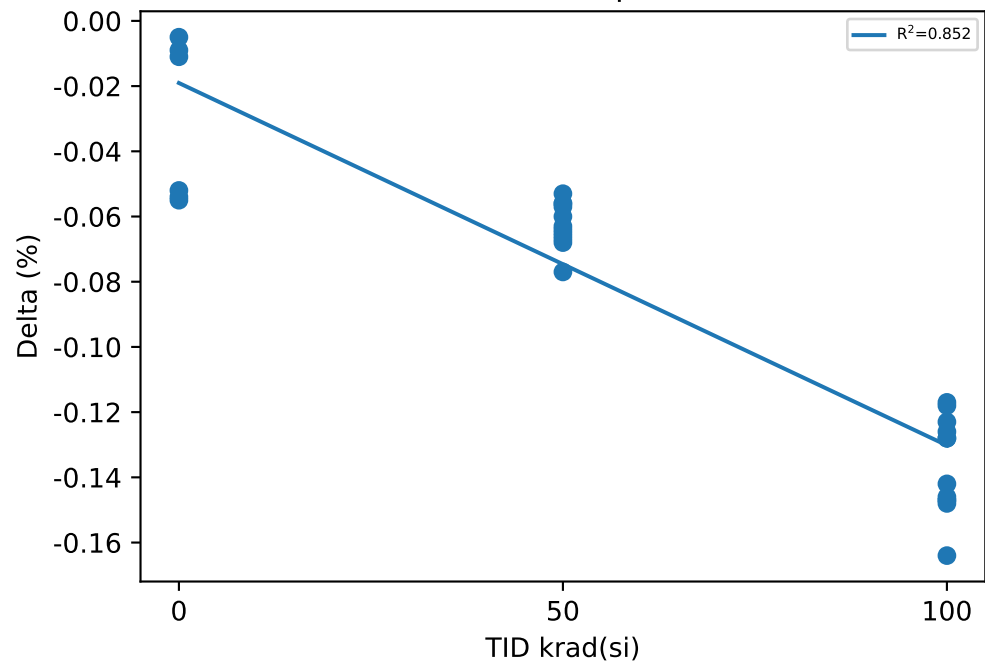
TID vs Result Stats



Test Results (Lower Limit = 95.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 97.41      | 97.405      | -0.005 |
| 201      | 0        | Correlation         | 97.433     | 97.424      | -0.009 |
| 202      | 0        | Correlation         | 97.392     | 97.381      | -0.011 |
| 203      | 50       | Biased              | 97.43      | 97.367      | -0.063 |
| 204      | 50       | Biased              | 97.438     | 97.371      | -0.067 |
| 205      | 50       | Biased              | 97.4       | 97.334      | -0.066 |
| 206      | 50       | Biased              | 97.373     | 97.309      | -0.064 |
| 207      | 50       | Biased              | 97.406     | 97.338      | -0.068 |
| 208      | 50       | Biased              | 97.448     | 97.383      | -0.065 |
| 209      | 50       | Unbiased            | 97.412     | 97.356      | -0.056 |
| 210      | 50       | Unbiased            | 97.413     | 97.353      | -0.06  |
| 211      | 50       | Unbiased            | 97.388     | 97.311      | -0.077 |
| 212      | 50       | Unbiased            | 97.458     | 97.402      | -0.056 |
| 213      | 50       | Unbiased            | 97.391     | 97.334      | -0.057 |
| 214      | 50       | Unbiased            | 97.398     | 97.345      | -0.053 |
| 1200     | 0        | Correlation         | 97.41      | 97.358      | -0.052 |
| 1201     | 0        | Correlation         | 97.433     | 97.378      | -0.055 |
| 1202     | 0        | Correlation         | 97.392     | 97.338      | -0.054 |
| 1203     | 100      | Biased              | 97.43      | 97.312      | -0.118 |
| 1204     | 100      | Biased              | 97.438     | 97.321      | -0.117 |
| 1205     | 100      | Biased              | 97.4       | 97.277      | -0.123 |
| 1206     | 100      | Biased              | 97.373     | 97.245      | -0.128 |
| 1207     | 100      | Biased              | 97.406     | 97.278      | -0.128 |
| 1208     | 100      | Biased              | 97.448     | 97.322      | -0.126 |
| 1209     | 100      | Unbiased            | 97.412     | 97.264      | -0.148 |
| 1210     | 100      | Unbiased            | 97.413     | 97.267      | -0.146 |
| 1211     | 100      | Unbiased            | 97.388     | 97.224      | -0.164 |
| 1212     | 100      | Unbiased            | 97.458     | 97.316      | -0.142 |
| 1213     | 100      | Unbiased            | 97.391     | 97.244      | -0.147 |
| 1214     | 100      | Unbiased            | 97.398     | 97.251      | -0.147 |

TID vs Post - Pre Exposure Delta

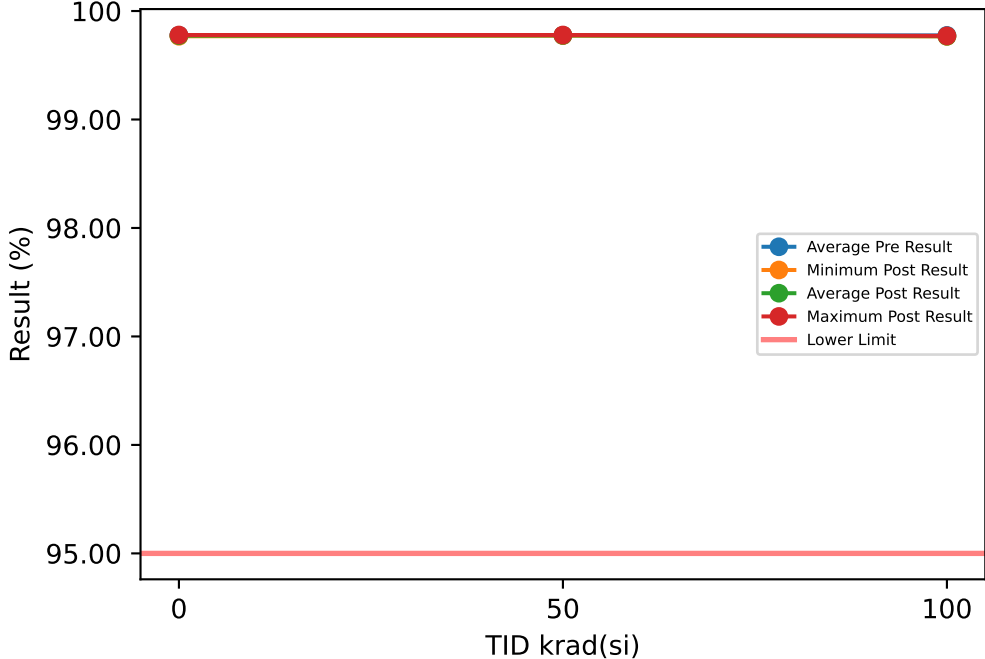


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 97.392           | 97.412           | 97.433           | 0.018381         | 97.338            | 97.381            | 97.424            | 0.03102           | -0.055    | -0.031    | -0.005    | 0.024924  |
| 50       | 97.373           | 97.413           | 97.458           | 0.025791         | 97.309            | 97.35             | 97.402            | 0.027717          | -0.077    | -0.062667 | -0.053    | 0.0066924 |
| 100      | 97.373           | 97.413           | 97.458           | 0.025791         | 97.224            | 97.277            | 97.322            | 0.03381           | -0.164    | -0.13617  | -0.117    | 0.014733  |

Device Test: 6.53 ; VOH\_RESET\_2MA

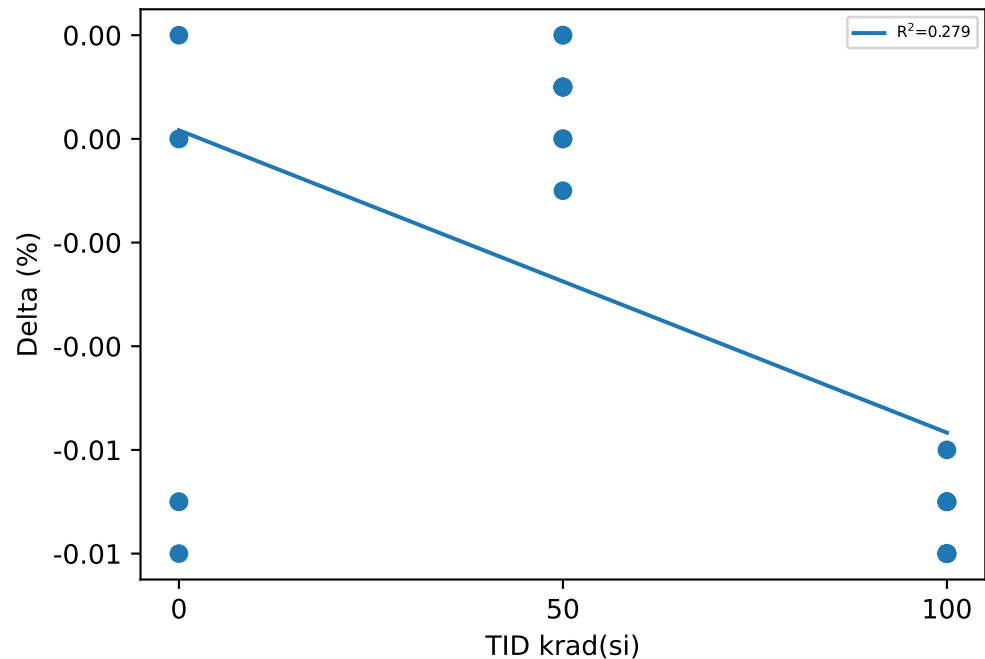
TID vs Result Stats



Test Results (Lower Limit = 95.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 99.776     | 99.778      | 0.002  |
| 201      | 0        | Correlation         | 99.779     | 99.779      | 0      |
| 202      | 0        | Correlation         | 99.774     | 99.774      | 0      |
| 203      | 50       | Biased              | 99.776     | 99.776      | 0      |
| 204      | 50       | Biased              | 99.775     | 99.776      | 0.001  |
| 205      | 50       | Biased              | 99.775     | 99.776      | 0.001  |
| 206      | 50       | Biased              | 99.774     | 99.776      | 0.002  |
| 207      | 50       | Biased              | 99.775     | 99.776      | 0.001  |
| 208      | 50       | Biased              | 99.776     | 99.777      | 0.001  |
| 209      | 50       | Unbiased            | 99.776     | 99.776      | 0      |
| 210      | 50       | Unbiased            | 99.776     | 99.775      | -0.001 |
| 211      | 50       | Unbiased            | 99.773     | 99.773      | 0      |
| 212      | 50       | Unbiased            | 99.778     | 99.779      | 0.001  |
| 213      | 50       | Unbiased            | 99.774     | 99.775      | 0.001  |
| 214      | 50       | Unbiased            | 99.776     | 99.778      | 0.002  |
| 1200     | 0        | Correlation         | 99.776     | 99.769      | -0.007 |
| 1201     | 0        | Correlation         | 99.779     | 99.771      | -0.008 |
| 1202     | 0        | Correlation         | 99.774     | 99.767      | -0.007 |
| 1203     | 100      | Biased              | 99.776     | 99.768      | -0.008 |
| 1204     | 100      | Biased              | 99.775     | 99.767      | -0.008 |
| 1205     | 100      | Biased              | 99.775     | 99.767      | -0.008 |
| 1206     | 100      | Biased              | 99.774     | 99.767      | -0.007 |
| 1207     | 100      | Biased              | 99.775     | 99.767      | -0.008 |
| 1208     | 100      | Biased              | 99.776     | 99.769      | -0.007 |
| 1209     | 100      | Unbiased            | 99.776     | 99.768      | -0.008 |
| 1210     | 100      | Unbiased            | 99.776     | 99.768      | -0.008 |
| 1211     | 100      | Unbiased            | 99.773     | 99.766      | -0.007 |
| 1212     | 100      | Unbiased            | 99.778     | 99.771      | -0.007 |
| 1213     | 100      | Unbiased            | 99.774     | 99.768      | -0.006 |
| 1214     | 100      | Unbiased            | 99.776     | 99.769      | -0.007 |

TID vs Post - Pre Exposure Delta

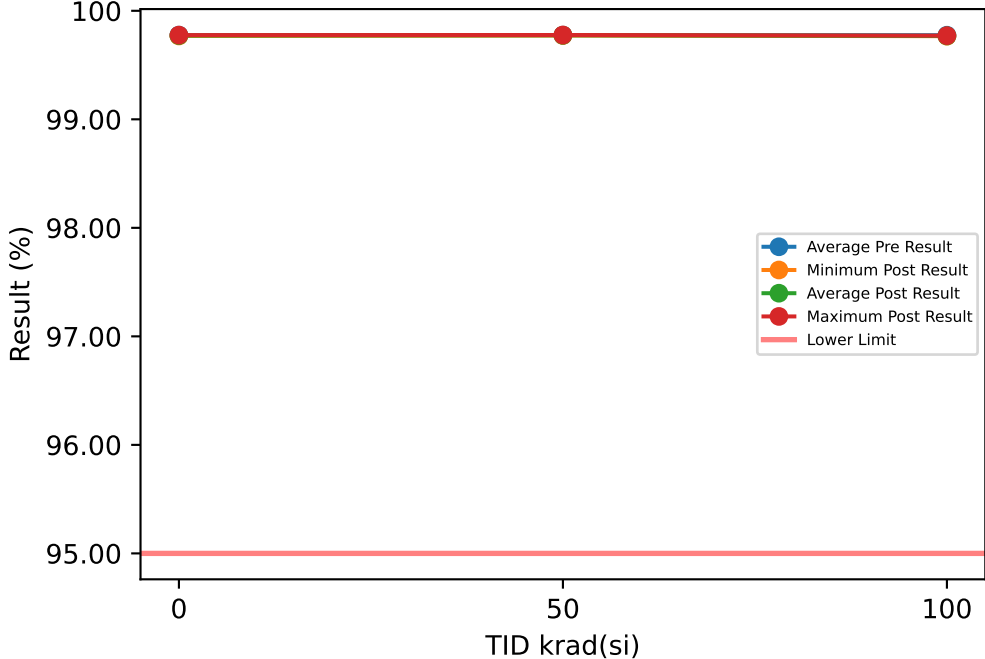


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|------------|
| 0        | 99.774           | 99.776           | 99.779           | 0.0022509        | 99.767            | 99.773            | 99.779            | 0.004858          | -0.008    | -0.0033333 | 0.002     | 0.0044572  |
| 50       | 99.773           | 99.775           | 99.778           | 0.0013027        | 99.773            | 99.776            | 99.779            | 0.001505          | -0.001    | 0.00075    | 0.002     | 0.00086603 |
| 100      | 99.773           | 99.775           | 99.778           | 0.0013027        | 99.766            | 99.768            | 99.771            | 0.0013114         | -0.008    | -0.0074167 | -0.006    | 0.00066856 |

Device Test: 6.54 ; VOH\_RESET\_2MA

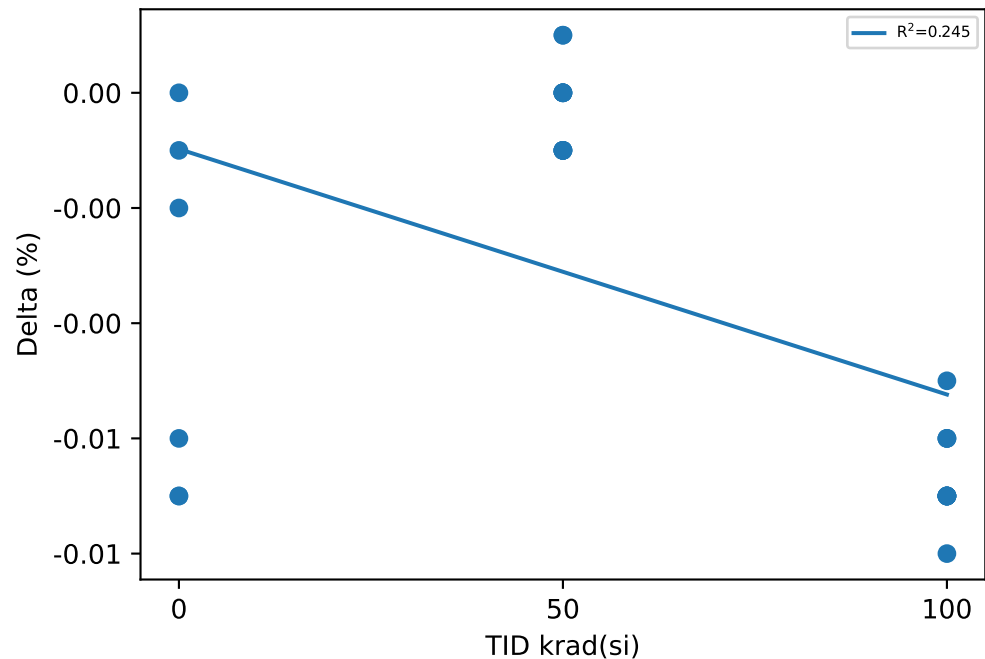
TID vs Result Stats



Test Results (Lower Limit = 95.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 99.775     | 99.775      | 0      |
| 201      | 0        | Correlation         | 99.777     | 99.776      | -0.001 |
| 202      | 0        | Correlation         | 99.775     | 99.773      | -0.002 |
| 203      | 50       | Biased              | 99.776     | 99.775      | -0.001 |
| 204      | 50       | Biased              | 99.774     | 99.774      | 0      |
| 205      | 50       | Biased              | 99.774     | 99.774      | 0      |
| 206      | 50       | Biased              | 99.774     | 99.774      | 0      |
| 207      | 50       | Biased              | 99.775     | 99.775      | 0      |
| 208      | 50       | Biased              | 99.777     | 99.776      | -0.001 |
| 209      | 50       | Unbiased            | 99.775     | 99.775      | 0      |
| 210      | 50       | Unbiased            | 99.775     | 99.774      | -0.001 |
| 211      | 50       | Unbiased            | 99.773     | 99.772      | -0.001 |
| 212      | 50       | Unbiased            | 99.778     | 99.777      | -0.001 |
| 213      | 50       | Unbiased            | 99.774     | 99.775      | 0.001  |
| 214      | 50       | Unbiased            | 99.776     | 99.777      | 0.001  |
| 1200     | 0        | Correlation         | 99.775     | 99.769      | -0.006 |
| 1201     | 0        | Correlation         | 99.777     | 99.77       | -0.007 |
| 1202     | 0        | Correlation         | 99.775     | 99.768      | -0.007 |
| 1203     | 100      | Biased              | 99.776     | 99.77       | -0.006 |
| 1204     | 100      | Biased              | 99.774     | 99.768      | -0.006 |
| 1205     | 100      | Biased              | 99.774     | 99.767      | -0.007 |
| 1206     | 100      | Biased              | 99.774     | 99.767      | -0.007 |
| 1207     | 100      | Biased              | 99.775     | 99.767      | -0.008 |
| 1208     | 100      | Biased              | 99.777     | 99.77       | -0.007 |
| 1209     | 100      | Unbiased            | 99.775     | 99.768      | -0.007 |
| 1210     | 100      | Unbiased            | 99.775     | 99.768      | -0.007 |
| 1211     | 100      | Unbiased            | 99.773     | 99.766      | -0.007 |
| 1212     | 100      | Unbiased            | 99.778     | 99.771      | -0.007 |
| 1213     | 100      | Unbiased            | 99.774     | 99.769      | -0.005 |
| 1214     | 100      | Unbiased            | 99.776     | 99.77       | -0.006 |

TID vs Post - Pre Exposure Delta

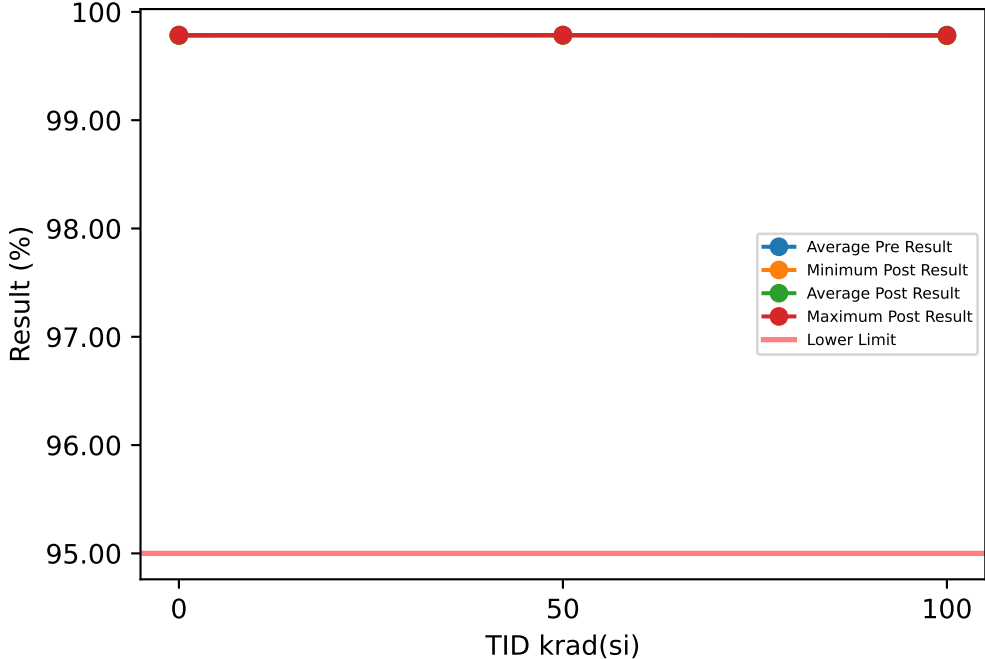


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|------------|
| 0        | 99.775           | 99.776           | 99.777           | 0.0010328        | 99.768            | 99.772            | 99.776            | 0.0033116         | -0.007    | -0.0038333 | 0         | 0.0031885  |
| 50       | 99.773           | 99.775           | 99.778           | 0.0014434        | 99.772            | 99.775            | 99.777            | 0.0014035         | -0.001    | -0.00025   | 0.001     | 0.00075378 |
| 100      | 99.773           | 99.775           | 99.778           | 0.0014434        | 99.766            | 99.768            | 99.771            | 0.0015643         | -0.008    | -0.0066667 | -0.005    | 0.0007785  |

Device Test: 6.55 ; VOH\_RESET\_2MA

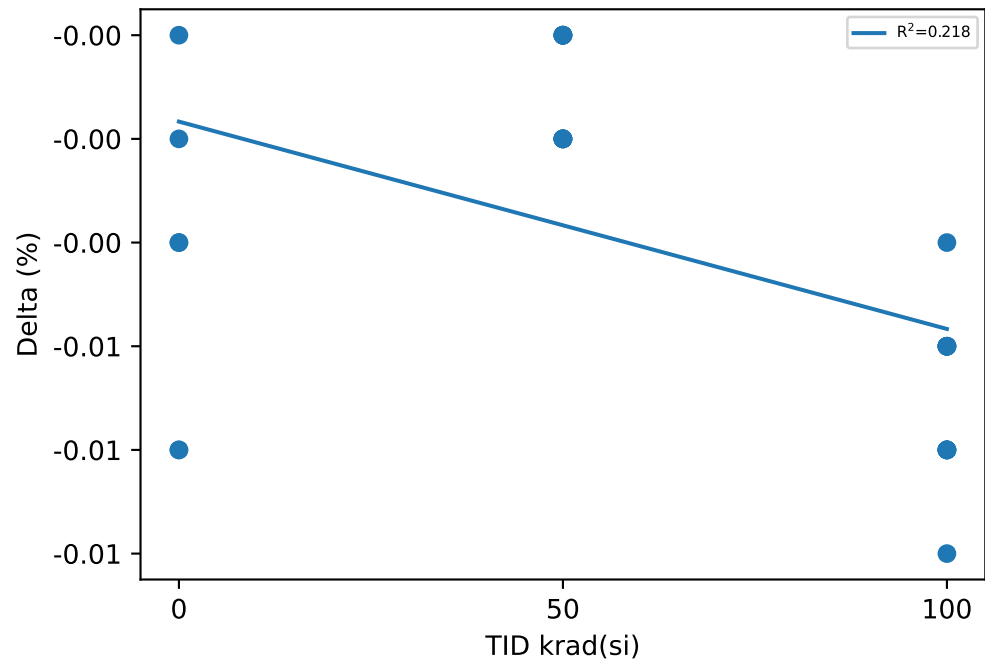
TID vs Result Stats



Test Results (Lower Limit = 95.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 99.786     | 99.784      | -0.002 |
| 201      | 0        | Correlation         | 99.788     | 99.785      | -0.003 |
| 202      | 0        | Correlation         | 99.786     | 99.782      | -0.004 |
| 203      | 50       | Biased              | 99.787     | 99.784      | -0.003 |
| 204      | 50       | Biased              | 99.786     | 99.784      | -0.002 |
| 205      | 50       | Biased              | 99.786     | 99.784      | -0.002 |
| 206      | 50       | Biased              | 99.784     | 99.782      | -0.002 |
| 207      | 50       | Biased              | 99.787     | 99.784      | -0.003 |
| 208      | 50       | Biased              | 99.788     | 99.785      | -0.003 |
| 209      | 50       | Unbiased            | 99.786     | 99.784      | -0.002 |
| 210      | 50       | Unbiased            | 99.786     | 99.783      | -0.003 |
| 211      | 50       | Unbiased            | 99.784     | 99.781      | -0.003 |
| 212      | 50       | Unbiased            | 99.789     | 99.786      | -0.003 |
| 213      | 50       | Unbiased            | 99.785     | 99.783      | -0.002 |
| 214      | 50       | Unbiased            | 99.787     | 99.785      | -0.002 |
| 1200     | 0        | Correlation         | 99.786     | 99.782      | -0.004 |
| 1201     | 0        | Correlation         | 99.788     | 99.782      | -0.006 |
| 1202     | 0        | Correlation         | 99.786     | 99.78       | -0.006 |
| 1203     | 100      | Biased              | 99.787     | 99.781      | -0.006 |
| 1204     | 100      | Biased              | 99.786     | 99.781      | -0.005 |
| 1205     | 100      | Biased              | 99.786     | 99.78       | -0.006 |
| 1206     | 100      | Biased              | 99.784     | 99.779      | -0.005 |
| 1207     | 100      | Biased              | 99.787     | 99.78       | -0.007 |
| 1208     | 100      | Biased              | 99.788     | 99.782      | -0.006 |
| 1209     | 100      | Unbiased            | 99.786     | 99.781      | -0.005 |
| 1210     | 100      | Unbiased            | 99.786     | 99.78       | -0.006 |
| 1211     | 100      | Unbiased            | 99.784     | 99.779      | -0.005 |
| 1212     | 100      | Unbiased            | 99.789     | 99.783      | -0.006 |
| 1213     | 100      | Unbiased            | 99.785     | 99.781      | -0.004 |
| 1214     | 100      | Unbiased            | 99.787     | 99.782      | -0.005 |

TID vs Post - Pre Exposure Delta



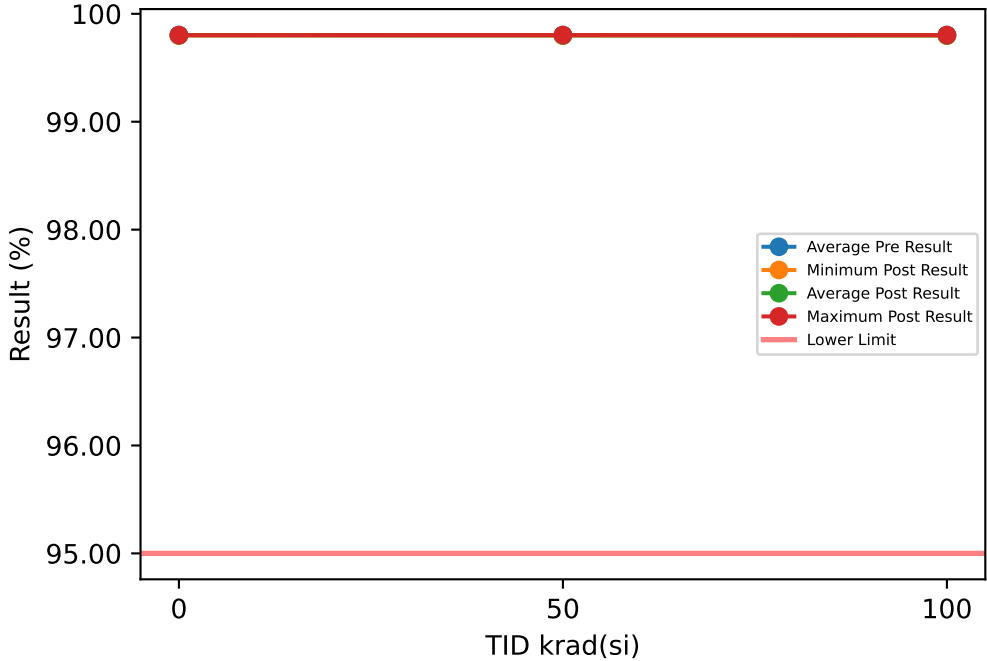
Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|------------|
| 0        | 99.786           | 99.787           | 99.788           | 0.0010328        | 99.78             | 99.782            | 99.785            | 0.0017607         | -0.006    | -0.0041667 | -0.002    | 0.0016021  |
| 50       | 99.784           | 99.786           | 99.789           | 0.0014848        | 99.781            | 99.784            | 99.786            | 0.0013568         | -0.003    | -0.0025    | -0.002    | 0.00052223 |
| 100      | 99.784           | 99.786           | 99.789           | 0.0014848        | 99.779            | 99.781            | 99.783            | 0.0012154         | -0.007    | -0.0055    | -0.004    | 0.00079772 |



Device Test: 6.56 ; VOH\_RESET\_2MA

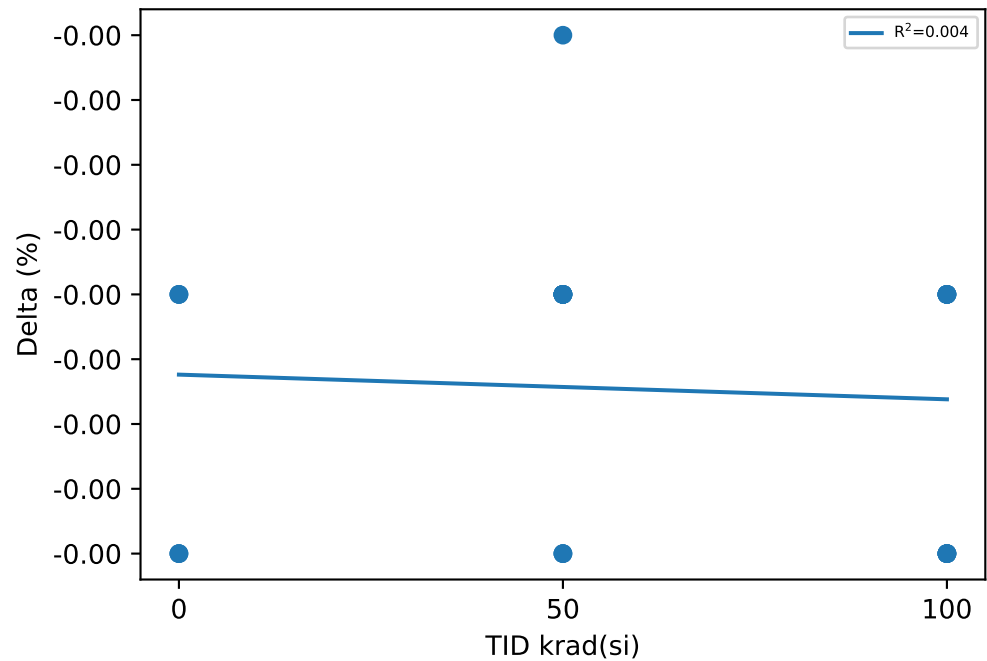
TID vs Result Stats



Test Results (Lower Limit = 95.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 99.804     | 99.802      | -0.002 |
| 201      | 0        | Correlation         | 99.805     | 99.802      | -0.003 |
| 202      | 0        | Correlation         | 99.802     | 99.799      | -0.003 |
| 203      | 50       | Biased              | 99.803     | 99.801      | -0.002 |
| 204      | 50       | Biased              | 99.803     | 99.801      | -0.002 |
| 205      | 50       | Biased              | 99.801     | 99.8        | -0.001 |
| 206      | 50       | Biased              | 99.8       | 99.798      | -0.002 |
| 207      | 50       | Biased              | 99.803     | 99.801      | -0.002 |
| 208      | 50       | Biased              | 99.804     | 99.801      | -0.003 |
| 209      | 50       | Unbiased            | 99.803     | 99.801      | -0.002 |
| 210      | 50       | Unbiased            | 99.803     | 99.8        | -0.003 |
| 211      | 50       | Unbiased            | 99.8       | 99.798      | -0.002 |
| 212      | 50       | Unbiased            | 99.806     | 99.803      | -0.003 |
| 213      | 50       | Unbiased            | 99.802     | 99.8        | -0.002 |
| 214      | 50       | Unbiased            | 99.803     | 99.801      | -0.002 |
| 1200     | 0        | Correlation         | 99.804     | 99.802      | -0.002 |
| 1201     | 0        | Correlation         | 99.805     | 99.802      | -0.003 |
| 1202     | 0        | Correlation         | 99.802     | 99.8        | -0.002 |
| 1203     | 100      | Biased              | 99.803     | 99.801      | -0.002 |
| 1204     | 100      | Biased              | 99.803     | 99.8        | -0.003 |
| 1205     | 100      | Biased              | 99.801     | 99.799      | -0.002 |
| 1206     | 100      | Biased              | 99.8       | 99.798      | -0.002 |
| 1207     | 100      | Biased              | 99.803     | 99.8        | -0.003 |
| 1208     | 100      | Biased              | 99.804     | 99.802      | -0.002 |
| 1209     | 100      | Unbiased            | 99.803     | 99.8        | -0.003 |
| 1210     | 100      | Unbiased            | 99.803     | 99.8        | -0.003 |
| 1211     | 100      | Unbiased            | 99.8       | 99.798      | -0.002 |
| 1212     | 100      | Unbiased            | 99.806     | 99.803      | -0.003 |
| 1213     | 100      | Unbiased            | 99.802     | 99.8        | -0.002 |
| 1214     | 100      | Unbiased            | 99.803     | 99.8        | -0.003 |

TID vs Post - Pre Exposure Delta

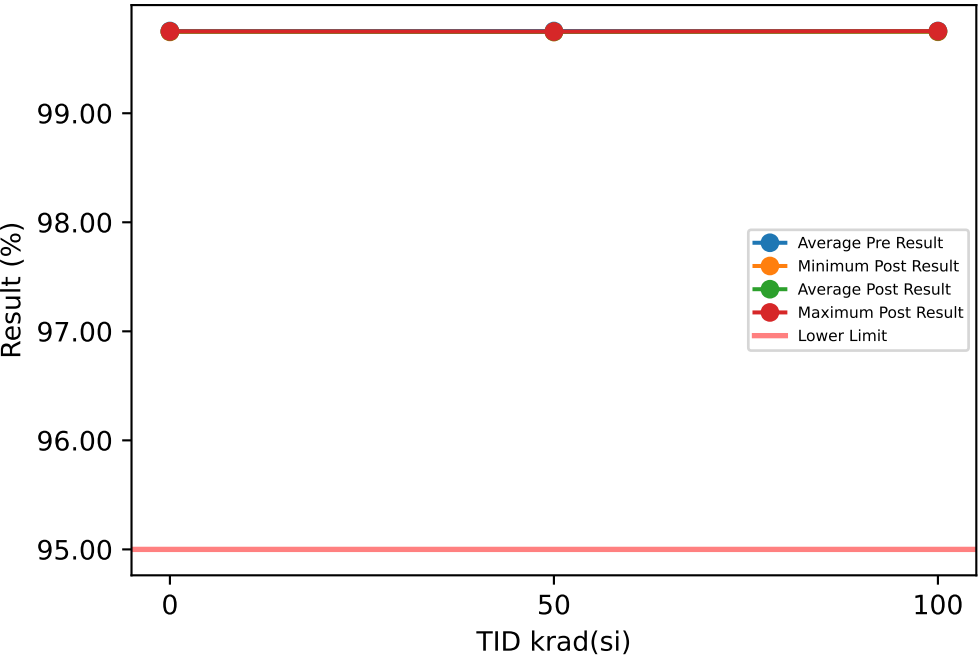


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|------------|
| 0        | 99.802           | 99.804           | 99.805           | 0.0013663        | 99.799            | 99.801            | 99.802            | 0.0013292         | -0.003    | -0.0025    | -0.002    | 0.00054772 |
| 50       | 99.8             | 99.803           | 99.806           | 0.0016765        | 99.798            | 99.8              | 99.803            | 0.001379          | -0.003    | -0.0021667 | -0.001    | 0.00057735 |
| 100      | 99.8             | 99.803           | 99.806           | 0.0016765        | 99.798            | 99.8              | 99.803            | 0.0014434         | -0.003    | -0.0025    | -0.002    | 0.00052223 |

Device Test: 6.57 ;VOH\_WDO\_2MA

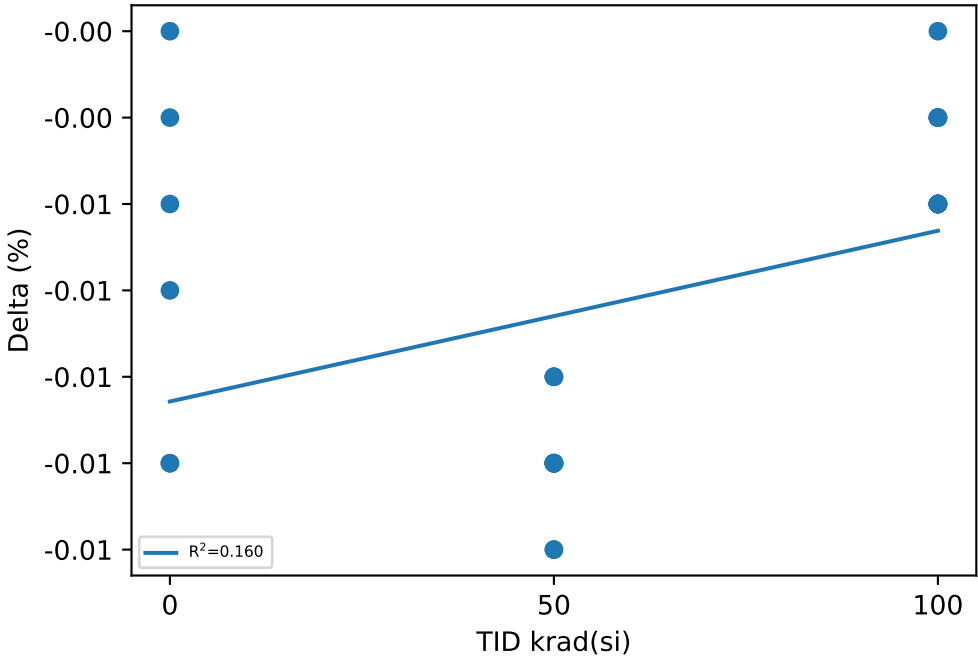
TID vs Result Stats



Test Results (Lower Limit = 95.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 99.754     | 99.748      | -0.006 |
| 201      | 0        | Correlation         | 99.755     | 99.747      | -0.008 |
| 202      | 0        | Correlation         | 99.754     | 99.746      | -0.008 |
| 203      | 50       | Biased              | 99.755     | 99.747      | -0.008 |
| 204      | 50       | Biased              | 99.753     | 99.746      | -0.007 |
| 205      | 50       | Biased              | 99.752     | 99.745      | -0.007 |
| 206      | 50       | Biased              | 99.752     | 99.745      | -0.007 |
| 207      | 50       | Biased              | 99.754     | 99.746      | -0.008 |
| 208      | 50       | Biased              | 99.756     | 99.748      | -0.008 |
| 209      | 50       | Unbiased            | 99.755     | 99.747      | -0.008 |
| 210      | 50       | Unbiased            | 99.754     | 99.745      | -0.009 |
| 211      | 50       | Unbiased            | 99.753     | 99.745      | -0.008 |
| 212      | 50       | Unbiased            | 99.758     | 99.749      | -0.009 |
| 213      | 50       | Unbiased            | 99.754     | 99.746      | -0.008 |
| 214      | 50       | Unbiased            | 99.754     | 99.746      | -0.008 |
| 1200     | 0        | Correlation         | 99.754     | 99.751      | -0.003 |
| 1201     | 0        | Correlation         | 99.755     | 99.75       | -0.005 |
| 1202     | 0        | Correlation         | 99.754     | 99.75       | -0.004 |
| 1203     | 100      | Biased              | 99.755     | 99.751      | -0.004 |
| 1204     | 100      | Biased              | 99.753     | 99.75       | -0.003 |
| 1205     | 100      | Biased              | 99.752     | 99.747      | -0.005 |
| 1206     | 100      | Biased              | 99.752     | 99.748      | -0.004 |
| 1207     | 100      | Biased              | 99.754     | 99.75       | -0.004 |
| 1208     | 100      | Biased              | 99.756     | 99.751      | -0.005 |
| 1209     | 100      | Unbiased            | 99.755     | 99.75       | -0.005 |
| 1210     | 100      | Unbiased            | 99.754     | 99.749      | -0.005 |
| 1211     | 100      | Unbiased            | 99.753     | 99.748      | -0.005 |
| 1212     | 100      | Unbiased            | 99.758     | 99.753      | -0.005 |
| 1213     | 100      | Unbiased            | 99.754     | 99.75       | -0.004 |
| 1214     | 100      | Unbiased            | 99.754     | 99.749      | -0.005 |

TID vs Post - Pre Exposure Delta

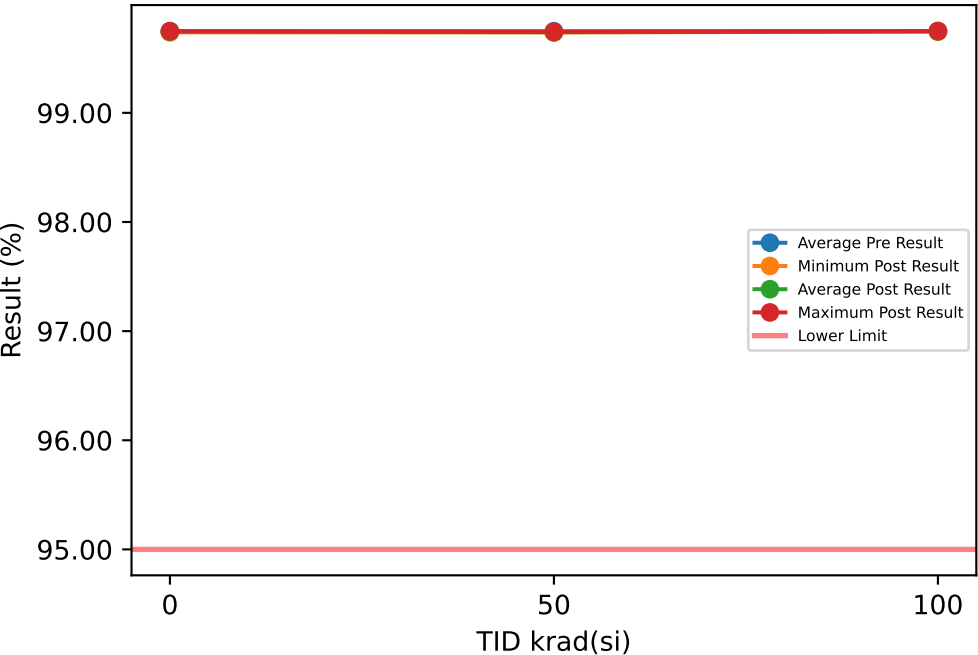


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|------------|
| 0        | 99.754           | 99.754           | 99.755           | 0.0005164        | 99.746            | 99.749            | 99.751            | 0.0019664         | -0.008    | -0.0056667 | -0.003    | 0.0020656  |
| 50       | 99.752           | 99.754           | 99.758           | 0.0016967        | 99.745            | 99.746            | 99.749            | 0.0012881         | -0.009    | -0.0079167 | -0.007    | 0.00066856 |
| 100      | 99.752           | 99.754           | 99.758           | 0.0016967        | 99.747            | 99.75             | 99.753            | 0.0016143         | -0.005    | -0.0045    | -0.003    | 0.0006742  |

Device Test: 6.58 ; VOH\_PWRGD\_2MA

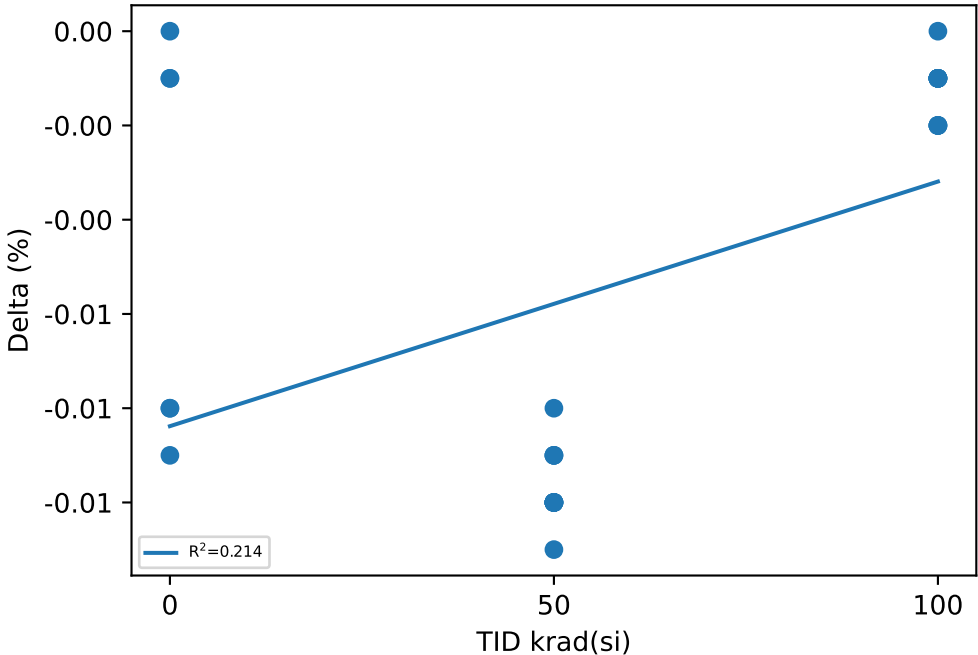
TID vs Result Stats



Test Results (Lower Limit = 95.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 99.749     | 99.741      | -0.008 |
| 201      | 0        | Correlation         | 99.749     | 99.741      | -0.008 |
| 202      | 0        | Correlation         | 99.747     | 99.738      | -0.009 |
| 203      | 50       | Biased              | 99.75      | 99.741      | -0.009 |
| 204      | 50       | Biased              | 99.747     | 99.738      | -0.009 |
| 205      | 50       | Biased              | 99.746     | 99.737      | -0.009 |
| 206      | 50       | Biased              | 99.745     | 99.737      | -0.008 |
| 207      | 50       | Biased              | 99.747     | 99.737      | -0.01  |
| 208      | 50       | Biased              | 99.75      | 99.74       | -0.01  |
| 209      | 50       | Unbiased            | 99.75      | 99.739      | -0.011 |
| 210      | 50       | Unbiased            | 99.747     | 99.737      | -0.01  |
| 211      | 50       | Unbiased            | 99.747     | 99.737      | -0.01  |
| 212      | 50       | Unbiased            | 99.752     | 99.742      | -0.01  |
| 213      | 50       | Unbiased            | 99.748     | 99.738      | -0.01  |
| 214      | 50       | Unbiased            | 99.749     | 99.739      | -0.01  |
| 1200     | 0        | Correlation         | 99.749     | 99.748      | -0.001 |
| 1201     | 0        | Correlation         | 99.749     | 99.748      | -0.001 |
| 1202     | 0        | Correlation         | 99.747     | 99.747      | 0      |
| 1203     | 100      | Biased              | 99.75      | 99.749      | -0.001 |
| 1204     | 100      | Biased              | 99.747     | 99.747      | 0      |
| 1205     | 100      | Biased              | 99.746     | 99.745      | -0.001 |
| 1206     | 100      | Biased              | 99.745     | 99.744      | -0.001 |
| 1207     | 100      | Biased              | 99.747     | 99.746      | -0.001 |
| 1208     | 100      | Biased              | 99.75      | 99.748      | -0.002 |
| 1209     | 100      | Unbiased            | 99.75      | 99.748      | -0.002 |
| 1210     | 100      | Unbiased            | 99.747     | 99.746      | -0.001 |
| 1211     | 100      | Unbiased            | 99.747     | 99.746      | -0.001 |
| 1212     | 100      | Unbiased            | 99.752     | 99.75       | -0.002 |
| 1213     | 100      | Unbiased            | 99.748     | 99.747      | -0.001 |
| 1214     | 100      | Unbiased            | 99.749     | 99.747      | -0.002 |

TID vs Post - Pre Exposure Delta

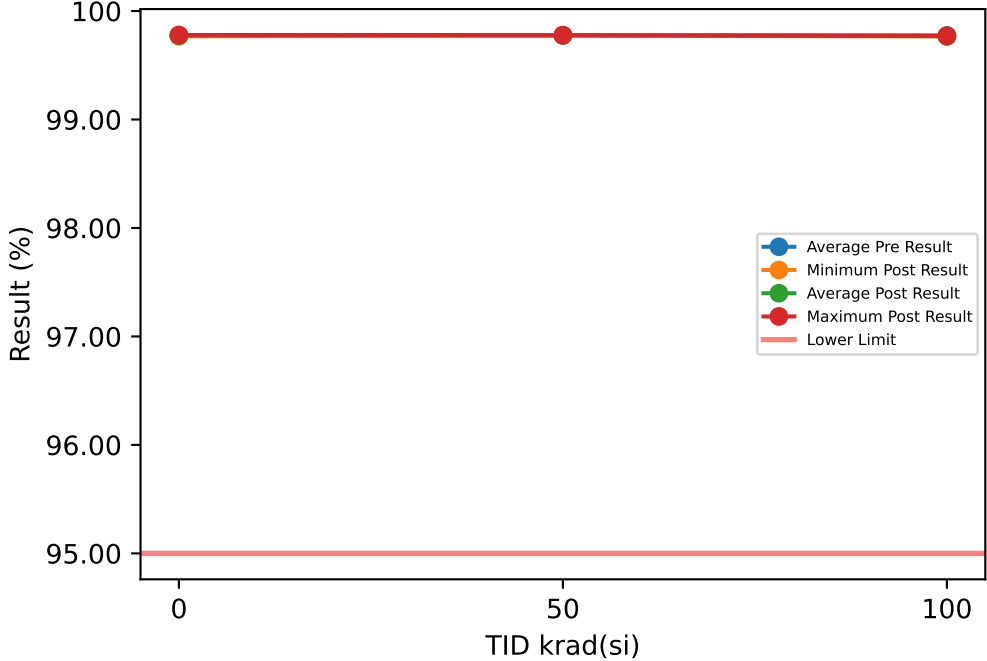


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|------------|
| 0        | 99.747           | 99.748           | 99.749           | 0.0010328        | 99.738            | 99.744            | 99.748            | 0.0043551         | -0.009    | -0.0045    | 0         | 0.0042308  |
| 50       | 99.745           | 99.748           | 99.752           | 0.0020375        | 99.737            | 99.739            | 99.742            | 0.0017321         | -0.011    | -0.0096667 | -0.008    | 0.0007785  |
| 100      | 99.745           | 99.748           | 99.752           | 0.0020375        | 99.744            | 99.747            | 99.75             | 0.0016765         | -0.002    | -0.00125   | 0         | 0.00062158 |

Device Test: 6.59 ; VOH\_RESET\_2MA

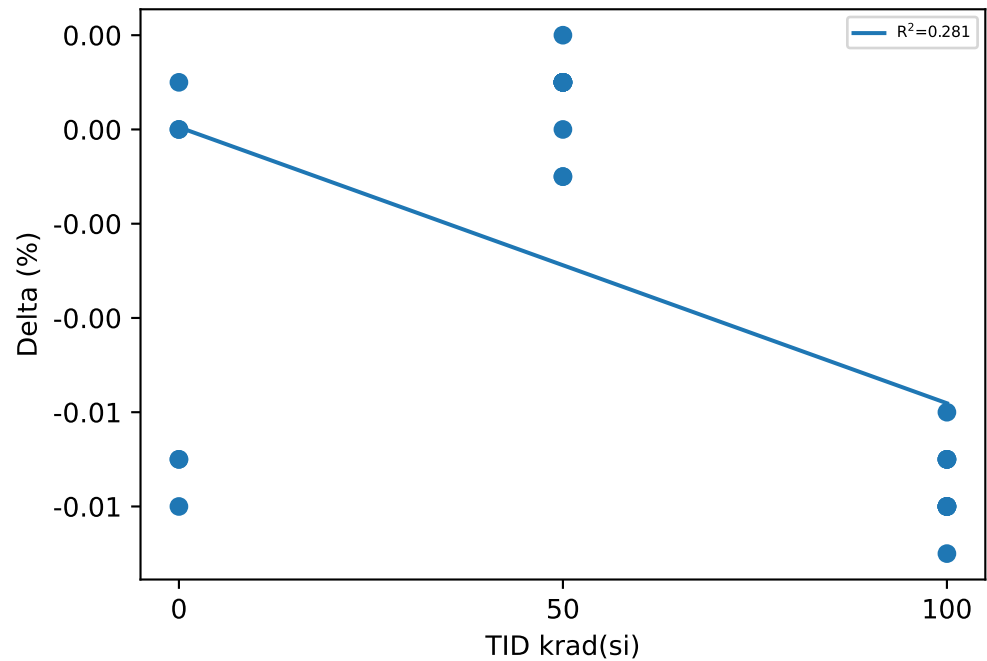
TID vs Result Stats



Test Results (Lower Limit = 95.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 99.776     | 99.777      | 0.001  |
| 201      | 0        | Correlation         | 99.779     | 99.779      | 0      |
| 202      | 0        | Correlation         | 99.774     | 99.774      | 0      |
| 203      | 50       | Biased              | 99.776     | 99.777      | 0.001  |
| 204      | 50       | Biased              | 99.775     | 99.776      | 0.001  |
| 205      | 50       | Biased              | 99.775     | 99.776      | 0.001  |
| 206      | 50       | Biased              | 99.774     | 99.775      | 0.001  |
| 207      | 50       | Biased              | 99.775     | 99.776      | 0.001  |
| 208      | 50       | Biased              | 99.776     | 99.777      | 0.001  |
| 209      | 50       | Unbiased            | 99.775     | 99.776      | 0.001  |
| 210      | 50       | Unbiased            | 99.776     | 99.775      | -0.001 |
| 211      | 50       | Unbiased            | 99.773     | 99.773      | 0      |
| 212      | 50       | Unbiased            | 99.779     | 99.778      | -0.001 |
| 213      | 50       | Unbiased            | 99.774     | 99.775      | 0.001  |
| 214      | 50       | Unbiased            | 99.776     | 99.778      | 0.002  |
| 1200     | 0        | Correlation         | 99.776     | 99.769      | -0.007 |
| 1201     | 0        | Correlation         | 99.779     | 99.771      | -0.008 |
| 1202     | 0        | Correlation         | 99.774     | 99.767      | -0.007 |
| 1203     | 100      | Biased              | 99.776     | 99.768      | -0.008 |
| 1204     | 100      | Biased              | 99.775     | 99.767      | -0.008 |
| 1205     | 100      | Biased              | 99.775     | 99.767      | -0.008 |
| 1206     | 100      | Biased              | 99.774     | 99.767      | -0.007 |
| 1207     | 100      | Biased              | 99.775     | 99.767      | -0.008 |
| 1208     | 100      | Biased              | 99.776     | 99.769      | -0.007 |
| 1209     | 100      | Unbiased            | 99.775     | 99.767      | -0.008 |
| 1210     | 100      | Unbiased            | 99.776     | 99.767      | -0.009 |
| 1211     | 100      | Unbiased            | 99.773     | 99.766      | -0.007 |
| 1212     | 100      | Unbiased            | 99.779     | 99.771      | -0.008 |
| 1213     | 100      | Unbiased            | 99.774     | 99.768      | -0.006 |
| 1214     | 100      | Unbiased            | 99.776     | 99.769      | -0.007 |

TID vs Post - Pre Exposure Delta

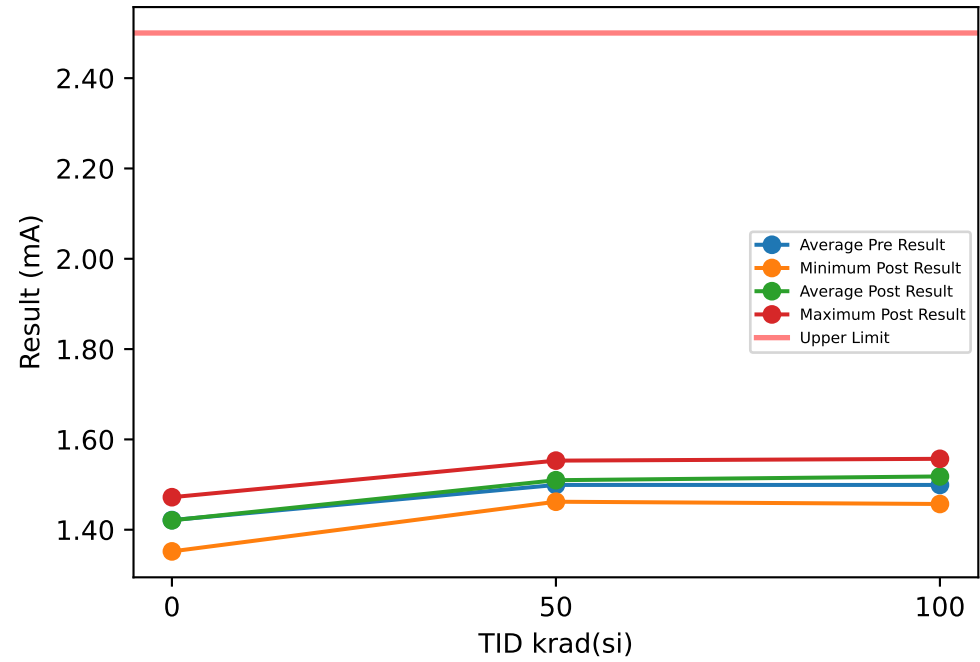


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|------------|
| 0        | 99.774           | 99.776           | 99.779           | 0.0022509        | 99.767            | 99.773            | 99.779            | 0.0046655         | -0.008    | -0.0035    | 0.001     | 0.0042308  |
| 50       | 99.773           | 99.775           | 99.779           | 0.0014975        | 99.773            | 99.776            | 99.778            | 0.0014142         | -0.001    | 0.00066667 | 0.002     | 0.00088763 |
| 100      | 99.773           | 99.775           | 99.779           | 0.0014975        | 99.766            | 99.768            | 99.771            | 0.0013568         | -0.009    | -0.0075833 | -0.006    | 0.00079296 |

Device Test: 6.6 ; IQ

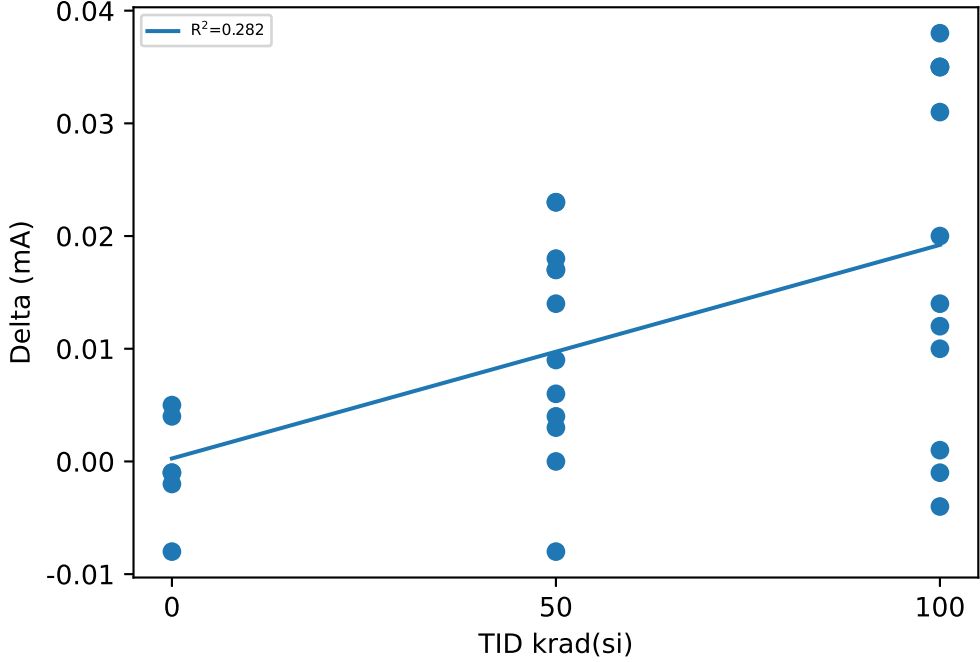
TID vs Result Stats



Test Results (Upper Limit = 2.5 (mA))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 1.474      | 1.466       | -0.008 |
| 201      | 0        | Correlation         | 1.353      | 1.352       | -0.001 |
| 202      | 0        | Correlation         | 1.437      | 1.436       | -0.001 |
| 203      | 50       | Biased              | 1.518      | 1.51        | -0.008 |
| 204      | 50       | Biased              | 1.465      | 1.469       | 0.004  |
| 205      | 50       | Biased              | 1.49       | 1.496       | 0.006  |
| 206      | 50       | Biased              | 1.522      | 1.54        | 0.018  |
| 207      | 50       | Biased              | 1.496      | 1.513       | 0.017  |
| 208      | 50       | Biased              | 1.51       | 1.51        | 0      |
| 209      | 50       | Unbiased            | 1.503      | 1.517       | 0.014  |
| 210      | 50       | Unbiased            | 1.53       | 1.553       | 0.023  |
| 211      | 50       | Unbiased            | 1.473      | 1.482       | 0.009  |
| 212      | 50       | Unbiased            | 1.445      | 1.462       | 0.017  |
| 213      | 50       | Unbiased            | 1.497      | 1.52        | 0.023  |
| 214      | 50       | Unbiased            | 1.541      | 1.544       | 0.003  |
| 1200     | 0        | Correlation         | 1.474      | 1.472       | -0.002 |
| 1201     | 0        | Correlation         | 1.353      | 1.358       | 0.005  |
| 1202     | 0        | Correlation         | 1.437      | 1.441       | 0.004  |
| 1203     | 100      | Biased              | 1.518      | 1.532       | 0.014  |
| 1204     | 100      | Biased              | 1.465      | 1.461       | -0.004 |
| 1205     | 100      | Biased              | 1.49       | 1.491       | 0.001  |
| 1206     | 100      | Biased              | 1.522      | 1.557       | 0.035  |
| 1207     | 100      | Biased              | 1.496      | 1.534       | 0.038  |
| 1208     | 100      | Biased              | 1.51       | 1.509       | -0.001 |
| 1209     | 100      | Unbiased            | 1.503      | 1.534       | 0.031  |
| 1210     | 100      | Unbiased            | 1.53       | 1.55        | 0.02   |
| 1211     | 100      | Unbiased            | 1.473      | 1.508       | 0.035  |
| 1212     | 100      | Unbiased            | 1.445      | 1.457       | 0.012  |
| 1213     | 100      | Unbiased            | 1.497      | 1.532       | 0.035  |
| 1214     | 100      | Unbiased            | 1.541      | 1.551       | 0.01   |

TID vs Post - Pre Exposure Delta

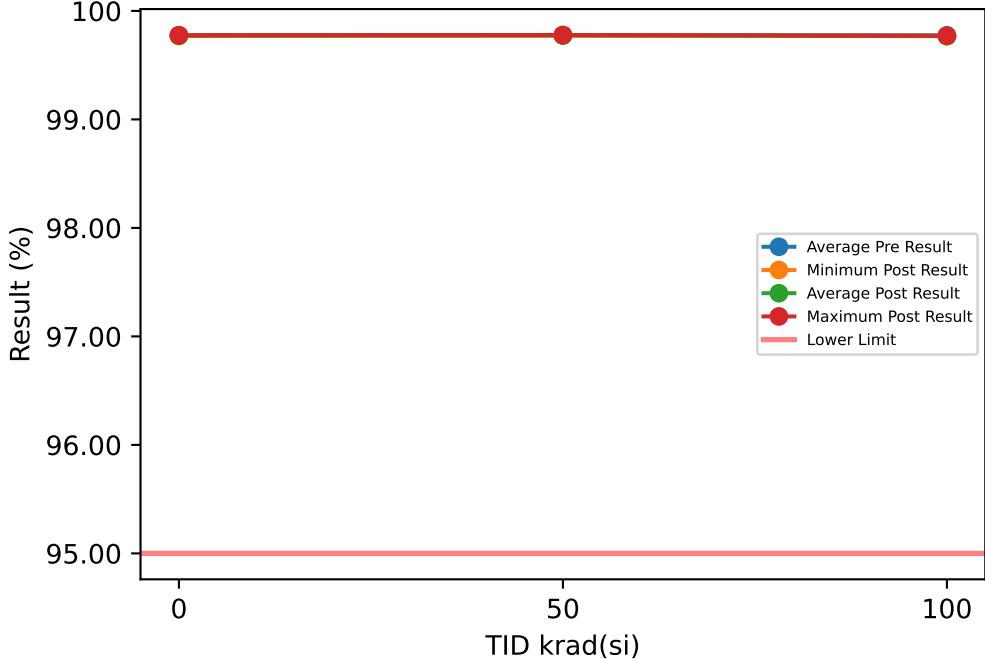


Test Statistics (mA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 1.353            | 1.4213           | 1.474            | 0.055457         | 1.352             | 1.4208            | 1.472             | 0.052879          | -0.008    | -0.0005   | 0.005     | 0.0046797 |
| 50       | 1.445            | 1.4992           | 1.541            | 0.027951         | 1.462             | 1.5097            | 1.553             | 0.028646          | -0.008    | 0.0105    | 0.023     | 0.0097188 |
| 100      | 1.445            | 1.4992           | 1.541            | 0.027951         | 1.457             | 1.518             | 1.557             | 0.033599          | -0.004    | 0.018833  | 0.038     | 0.015614  |

Device Test: 6.60 ; VOH\_RESET\_2MA

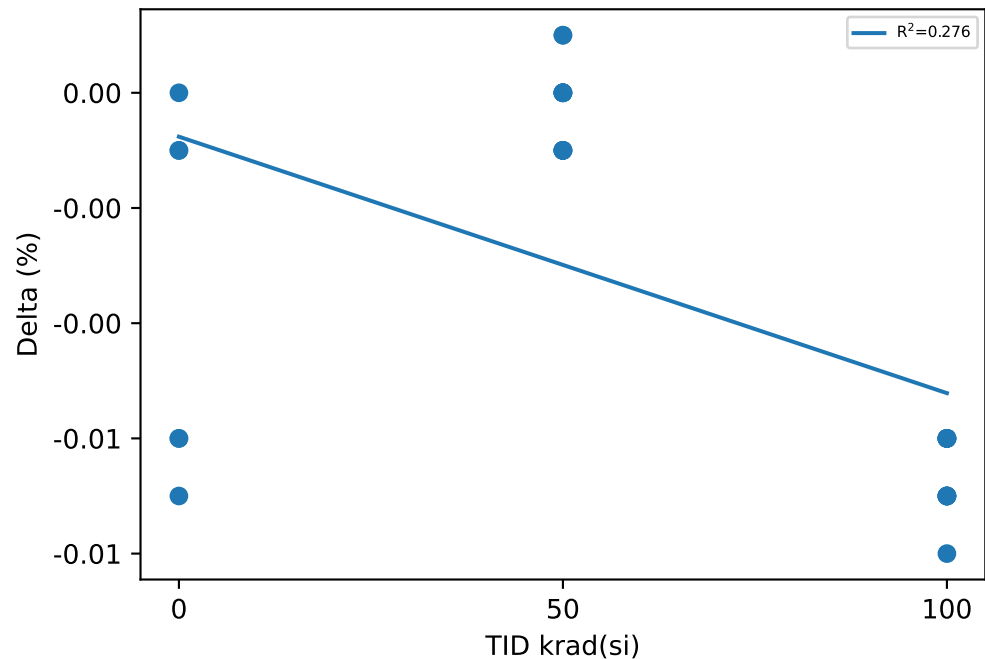
TID vs Result Stats



Test Results (Lower Limit = 95.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 99.775     | 99.775      | 0      |
| 201      | 0        | Correlation         | 99.777     | 99.776      | -0.001 |
| 202      | 0        | Correlation         | 99.774     | 99.773      | -0.001 |
| 203      | 50       | Biased              | 99.776     | 99.775      | -0.001 |
| 204      | 50       | Biased              | 99.774     | 99.774      | 0      |
| 205      | 50       | Biased              | 99.773     | 99.774      | 0.001  |
| 206      | 50       | Biased              | 99.774     | 99.774      | 0      |
| 207      | 50       | Biased              | 99.775     | 99.775      | 0      |
| 208      | 50       | Biased              | 99.777     | 99.776      | -0.001 |
| 209      | 50       | Unbiased            | 99.776     | 99.775      | -0.001 |
| 210      | 50       | Unbiased            | 99.775     | 99.774      | -0.001 |
| 211      | 50       | Unbiased            | 99.773     | 99.772      | -0.001 |
| 212      | 50       | Unbiased            | 99.778     | 99.778      | 0      |
| 213      | 50       | Unbiased            | 99.774     | 99.774      | 0      |
| 214      | 50       | Unbiased            | 99.776     | 99.777      | 0.001  |
| 1200     | 0        | Correlation         | 99.775     | 99.769      | -0.006 |
| 1201     | 0        | Correlation         | 99.777     | 99.77       | -0.007 |
| 1202     | 0        | Correlation         | 99.774     | 99.768      | -0.006 |
| 1203     | 100      | Biased              | 99.776     | 99.769      | -0.007 |
| 1204     | 100      | Biased              | 99.774     | 99.768      | -0.006 |
| 1205     | 100      | Biased              | 99.773     | 99.767      | -0.006 |
| 1206     | 100      | Biased              | 99.774     | 99.768      | -0.006 |
| 1207     | 100      | Biased              | 99.775     | 99.768      | -0.007 |
| 1208     | 100      | Biased              | 99.777     | 99.77       | -0.007 |
| 1209     | 100      | Unbiased            | 99.776     | 99.768      | -0.008 |
| 1210     | 100      | Unbiased            | 99.775     | 99.768      | -0.007 |
| 1211     | 100      | Unbiased            | 99.773     | 99.767      | -0.006 |
| 1212     | 100      | Unbiased            | 99.778     | 99.771      | -0.007 |
| 1213     | 100      | Unbiased            | 99.774     | 99.768      | -0.006 |
| 1214     | 100      | Unbiased            | 99.776     | 99.77       | -0.006 |

TID vs Post - Pre Exposure Delta



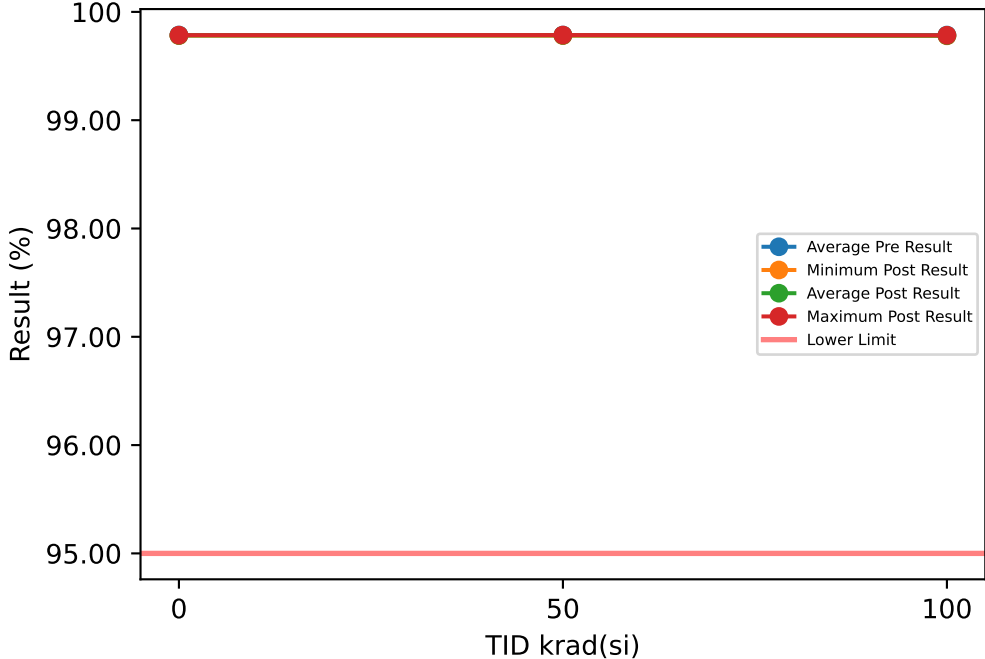
Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|------------|
| 0        | 99.774           | 99.775           | 99.777           | 0.0013663        | 99.768            | 99.772            | 99.776            | 0.0033116         | -0.007    | -0.0035    | 0         | 0.0031464  |
| 50       | 99.773           | 99.775           | 99.778           | 0.0015643        | 99.772            | 99.775            | 99.778            | 0.0015859         | -0.001    | -0.00025   | 0.001     | 0.00075378 |
| 100      | 99.773           | 99.775           | 99.778           | 0.0015643        | 99.767            | 99.769            | 99.771            | 0.0012432         | -0.008    | -0.0065833 | -0.006    | 0.00066856 |



Device Test: 6.61 ; VOH\_RESET\_2MA

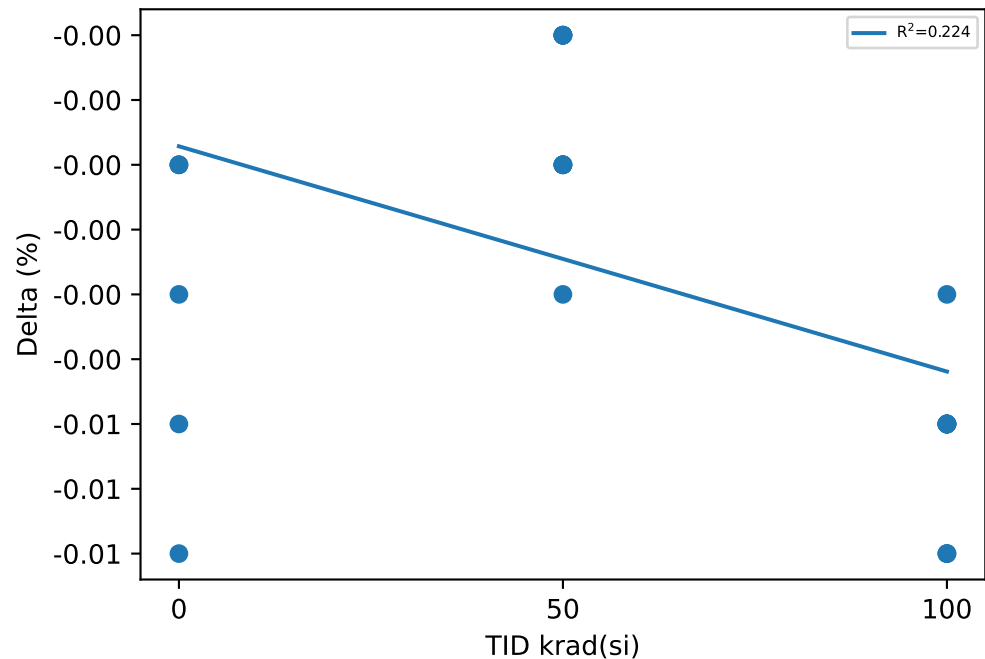
TID vs Result Stats



Test Results (Lower Limit = 95.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 99.787     | 99.784      | -0.003 |
| 201      | 0        | Correlation         | 99.788     | 99.785      | -0.003 |
| 202      | 0        | Correlation         | 99.785     | 99.782      | -0.003 |
| 203      | 50       | Biased              | 99.787     | 99.784      | -0.003 |
| 204      | 50       | Biased              | 99.786     | 99.784      | -0.002 |
| 205      | 50       | Biased              | 99.785     | 99.783      | -0.002 |
| 206      | 50       | Biased              | 99.784     | 99.782      | -0.002 |
| 207      | 50       | Biased              | 99.786     | 99.784      | -0.002 |
| 208      | 50       | Biased              | 99.788     | 99.784      | -0.004 |
| 209      | 50       | Unbiased            | 99.786     | 99.783      | -0.003 |
| 210      | 50       | Unbiased            | 99.786     | 99.783      | -0.003 |
| 211      | 50       | Unbiased            | 99.784     | 99.781      | -0.003 |
| 212      | 50       | Unbiased            | 99.789     | 99.786      | -0.003 |
| 213      | 50       | Unbiased            | 99.786     | 99.784      | -0.002 |
| 214      | 50       | Unbiased            | 99.787     | 99.785      | -0.002 |
| 1200     | 0        | Correlation         | 99.787     | 99.782      | -0.005 |
| 1201     | 0        | Correlation         | 99.788     | 99.782      | -0.006 |
| 1202     | 0        | Correlation         | 99.785     | 99.781      | -0.004 |
| 1203     | 100      | Biased              | 99.787     | 99.782      | -0.005 |
| 1204     | 100      | Biased              | 99.786     | 99.781      | -0.005 |
| 1205     | 100      | Biased              | 99.785     | 99.78       | -0.005 |
| 1206     | 100      | Biased              | 99.784     | 99.779      | -0.005 |
| 1207     | 100      | Biased              | 99.786     | 99.781      | -0.005 |
| 1208     | 100      | Biased              | 99.788     | 99.782      | -0.006 |
| 1209     | 100      | Unbiased            | 99.786     | 99.781      | -0.005 |
| 1210     | 100      | Unbiased            | 99.786     | 99.78       | -0.006 |
| 1211     | 100      | Unbiased            | 99.784     | 99.78       | -0.004 |
| 1212     | 100      | Unbiased            | 99.789     | 99.784      | -0.005 |
| 1213     | 100      | Unbiased            | 99.786     | 99.781      | -0.005 |
| 1214     | 100      | Unbiased            | 99.787     | 99.781      | -0.006 |

TID vs Post - Pre Exposure Delta

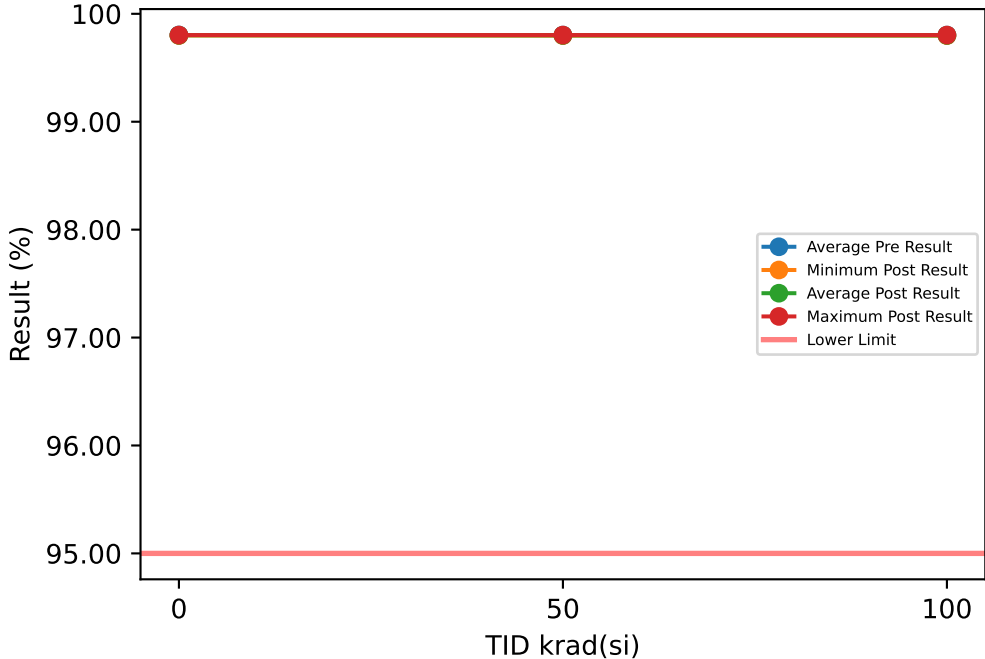


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|------------|
| 0        | 99.785           | 99.787           | 99.788           | 0.0013663        | 99.781            | 99.783            | 99.785            | 0.0015055         | -0.006    | -0.004     | -0.003    | 0.0012649  |
| 50       | 99.784           | 99.786           | 99.789           | 0.0014668        | 99.781            | 99.784            | 99.786            | 0.0013114         | -0.004    | -0.0025833 | -0.002    | 0.00066856 |
| 100      | 99.784           | 99.786           | 99.789           | 0.0014668        | 99.779            | 99.781            | 99.784            | 0.0012792         | -0.006    | -0.0051667 | -0.004    | 0.00057735 |

Device Test: 6.62 ; VOH\_RESET\_2MA

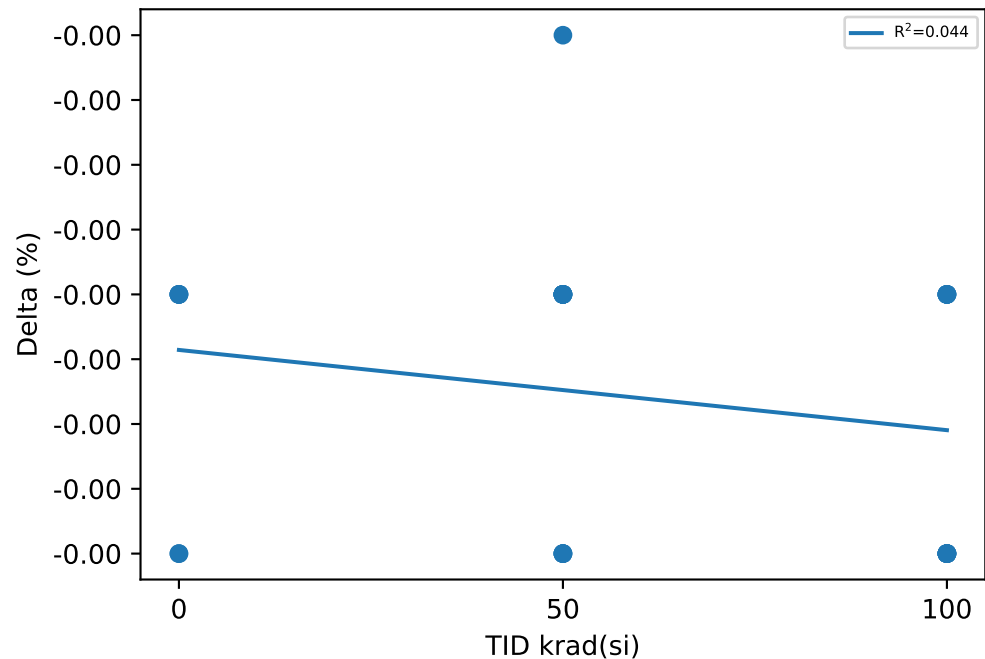
TID vs Result Stats



Test Results (Lower Limit = 95.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 99.804     | 99.802      | -0.002 |
| 201      | 0        | Correlation         | 99.805     | 99.803      | -0.002 |
| 202      | 0        | Correlation         | 99.802     | 99.799      | -0.003 |
| 203      | 50       | Biased              | 99.803     | 99.801      | -0.002 |
| 204      | 50       | Biased              | 99.803     | 99.801      | -0.002 |
| 205      | 50       | Biased              | 99.801     | 99.8        | -0.001 |
| 206      | 50       | Biased              | 99.8       | 99.798      | -0.002 |
| 207      | 50       | Biased              | 99.803     | 99.801      | -0.002 |
| 208      | 50       | Biased              | 99.804     | 99.801      | -0.003 |
| 209      | 50       | Unbiased            | 99.803     | 99.801      | -0.002 |
| 210      | 50       | Unbiased            | 99.803     | 99.8        | -0.003 |
| 211      | 50       | Unbiased            | 99.801     | 99.798      | -0.003 |
| 212      | 50       | Unbiased            | 99.806     | 99.803      | -0.003 |
| 213      | 50       | Unbiased            | 99.802     | 99.8        | -0.002 |
| 214      | 50       | Unbiased            | 99.803     | 99.801      | -0.002 |
| 1200     | 0        | Correlation         | 99.804     | 99.802      | -0.002 |
| 1201     | 0        | Correlation         | 99.805     | 99.802      | -0.003 |
| 1202     | 0        | Correlation         | 99.802     | 99.8        | -0.002 |
| 1203     | 100      | Biased              | 99.803     | 99.801      | -0.002 |
| 1204     | 100      | Biased              | 99.803     | 99.8        | -0.003 |
| 1205     | 100      | Biased              | 99.801     | 99.799      | -0.002 |
| 1206     | 100      | Biased              | 99.8       | 99.798      | -0.002 |
| 1207     | 100      | Biased              | 99.803     | 99.8        | -0.003 |
| 1208     | 100      | Biased              | 99.804     | 99.801      | -0.003 |
| 1209     | 100      | Unbiased            | 99.803     | 99.801      | -0.002 |
| 1210     | 100      | Unbiased            | 99.803     | 99.8        | -0.003 |
| 1211     | 100      | Unbiased            | 99.801     | 99.798      | -0.003 |
| 1212     | 100      | Unbiased            | 99.806     | 99.803      | -0.003 |
| 1213     | 100      | Unbiased            | 99.802     | 99.8        | -0.002 |
| 1214     | 100      | Unbiased            | 99.803     | 99.8        | -0.003 |

TID vs Post - Pre Exposure Delta

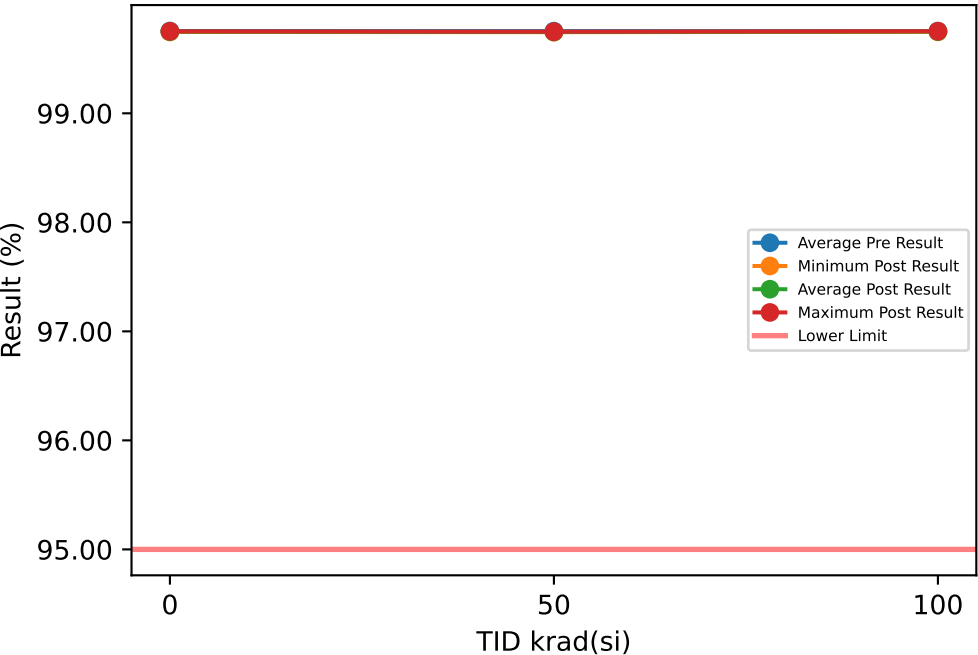


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|------------|
| 0        | 99.802           | 99.804           | 99.805           | 0.0013663        | 99.799            | 99.801            | 99.803            | 0.0015055         | -0.003    | -0.0023333 | -0.002    | 0.0005164  |
| 50       | 99.8             | 99.803           | 99.806           | 0.001557         | 99.798            | 99.8              | 99.803            | 0.001379          | -0.003    | -0.00225   | -0.001    | 0.00062158 |
| 100      | 99.8             | 99.803           | 99.806           | 0.001557         | 99.798            | 99.8              | 99.803            | 0.001379          | -0.003    | -0.0025833 | -0.002    | 0.00051493 |

Device Test: 6.63 ;VOH\_WDO\_2MA

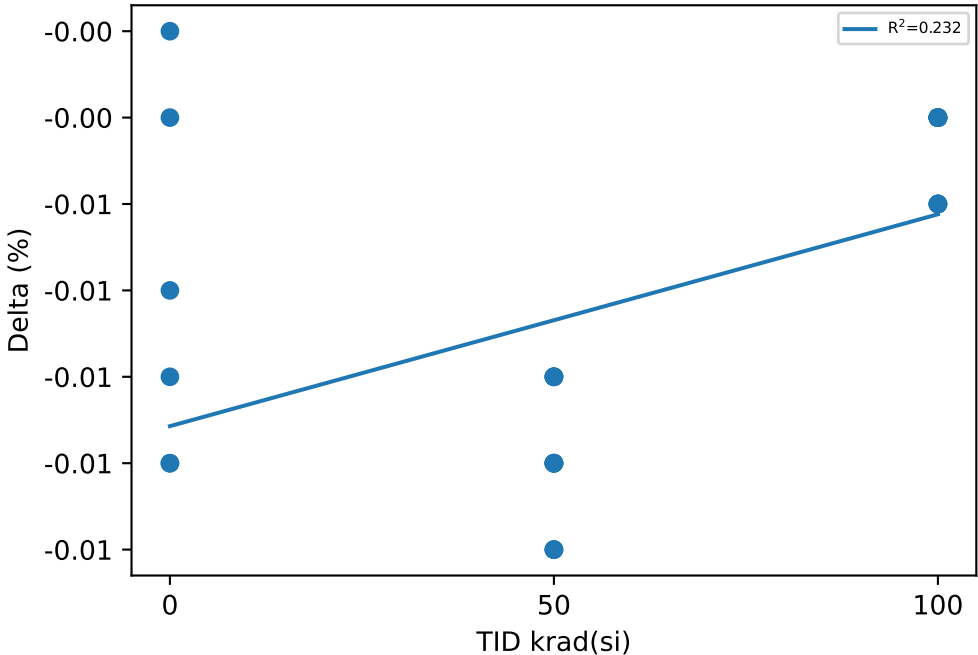
TID vs Result Stats



Test Results (Lower Limit = 95.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 99.755     | 99.748      | -0.007 |
| 201      | 0        | Correlation         | 99.756     | 99.748      | -0.008 |
| 202      | 0        | Correlation         | 99.754     | 99.746      | -0.008 |
| 203      | 50       | Biased              | 99.755     | 99.747      | -0.008 |
| 204      | 50       | Biased              | 99.754     | 99.745      | -0.009 |
| 205      | 50       | Biased              | 99.751     | 99.744      | -0.007 |
| 206      | 50       | Biased              | 99.752     | 99.745      | -0.007 |
| 207      | 50       | Biased              | 99.754     | 99.746      | -0.008 |
| 208      | 50       | Biased              | 99.755     | 99.748      | -0.007 |
| 209      | 50       | Unbiased            | 99.755     | 99.747      | -0.008 |
| 210      | 50       | Unbiased            | 99.754     | 99.745      | -0.009 |
| 211      | 50       | Unbiased            | 99.752     | 99.745      | -0.007 |
| 212      | 50       | Unbiased            | 99.758     | 99.749      | -0.009 |
| 213      | 50       | Unbiased            | 99.754     | 99.746      | -0.008 |
| 214      | 50       | Unbiased            | 99.754     | 99.746      | -0.008 |
| 1200     | 0        | Correlation         | 99.755     | 99.752      | -0.003 |
| 1201     | 0        | Correlation         | 99.756     | 99.75       | -0.006 |
| 1202     | 0        | Correlation         | 99.754     | 99.75       | -0.004 |
| 1203     | 100      | Biased              | 99.755     | 99.751      | -0.004 |
| 1204     | 100      | Biased              | 99.754     | 99.75       | -0.004 |
| 1205     | 100      | Biased              | 99.751     | 99.747      | -0.004 |
| 1206     | 100      | Biased              | 99.752     | 99.748      | -0.004 |
| 1207     | 100      | Biased              | 99.754     | 99.749      | -0.005 |
| 1208     | 100      | Biased              | 99.755     | 99.751      | -0.004 |
| 1209     | 100      | Unbiased            | 99.755     | 99.75       | -0.005 |
| 1210     | 100      | Unbiased            | 99.754     | 99.749      | -0.005 |
| 1211     | 100      | Unbiased            | 99.752     | 99.748      | -0.004 |
| 1212     | 100      | Unbiased            | 99.758     | 99.753      | -0.005 |
| 1213     | 100      | Unbiased            | 99.754     | 99.75       | -0.004 |
| 1214     | 100      | Unbiased            | 99.754     | 99.75       | -0.004 |

TID vs Post - Pre Exposure Delta

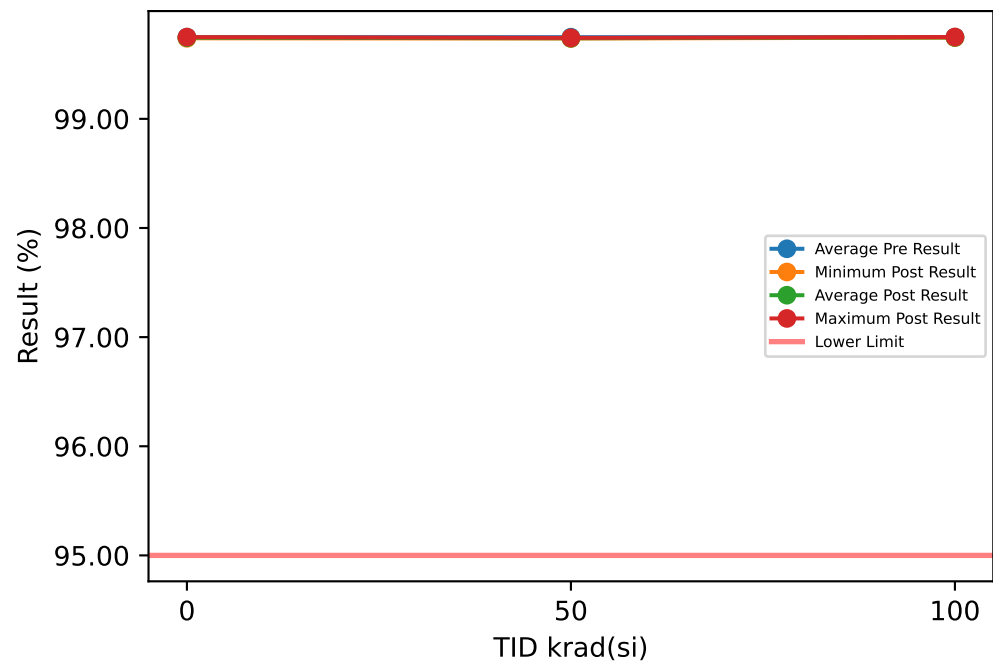


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|------------|
| 0        | 99.754           | 99.755           | 99.756           | 0.00089443       | 99.746            | 99.749            | 99.752            | 0.0020976         | -0.008    | -0.006     | -0.003    | 0.0020976  |
| 50       | 99.751           | 99.754           | 99.758           | 0.0018091        | 99.744            | 99.746            | 99.749            | 0.0014434         | -0.009    | -0.0079167 | -0.007    | 0.00079296 |
| 100      | 99.751           | 99.754           | 99.758           | 0.0018091        | 99.747            | 99.75             | 99.753            | 0.0016143         | -0.005    | -0.0043333 | -0.004    | 0.00049237 |

Device Test: 6.64 ; VOH\_PWRGD\_2MA

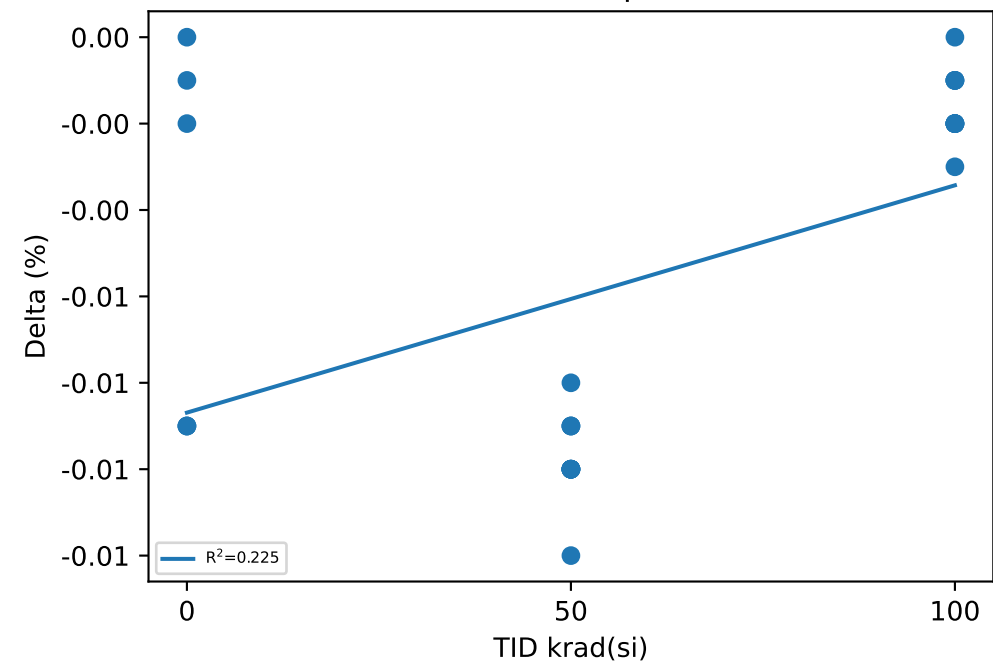
TID vs Result Stats



Test Results (Lower Limit = 95.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 99.749     | 99.74       | -0.009 |
| 201      | 0        | Correlation         | 99.75      | 99.741      | -0.009 |
| 202      | 0        | Correlation         | 99.747     | 99.738      | -0.009 |
| 203      | 50       | Biased              | 99.75      | 99.741      | -0.009 |
| 204      | 50       | Biased              | 99.748     | 99.738      | -0.01  |
| 205      | 50       | Biased              | 99.746     | 99.737      | -0.009 |
| 206      | 50       | Biased              | 99.745     | 99.737      | -0.008 |
| 207      | 50       | Biased              | 99.747     | 99.737      | -0.01  |
| 208      | 50       | Biased              | 99.75      | 99.741      | -0.009 |
| 209      | 50       | Unbiased            | 99.75      | 99.74       | -0.01  |
| 210      | 50       | Unbiased            | 99.748     | 99.736      | -0.012 |
| 211      | 50       | Unbiased            | 99.747     | 99.737      | -0.01  |
| 212      | 50       | Unbiased            | 99.752     | 99.742      | -0.01  |
| 213      | 50       | Unbiased            | 99.748     | 99.738      | -0.01  |
| 214      | 50       | Unbiased            | 99.749     | 99.739      | -0.01  |
| 1200     | 0        | Correlation         | 99.749     | 99.749      | 0      |
| 1201     | 0        | Correlation         | 99.75      | 99.748      | -0.002 |
| 1202     | 0        | Correlation         | 99.747     | 99.746      | -0.001 |
| 1203     | 100      | Biased              | 99.75      | 99.749      | -0.001 |
| 1204     | 100      | Biased              | 99.748     | 99.747      | -0.001 |
| 1205     | 100      | Biased              | 99.746     | 99.744      | -0.002 |
| 1206     | 100      | Biased              | 99.745     | 99.745      | 0      |
| 1207     | 100      | Biased              | 99.747     | 99.745      | -0.002 |
| 1208     | 100      | Biased              | 99.75      | 99.748      | -0.002 |
| 1209     | 100      | Unbiased            | 99.75      | 99.747      | -0.003 |
| 1210     | 100      | Unbiased            | 99.748     | 99.746      | -0.002 |
| 1211     | 100      | Unbiased            | 99.747     | 99.746      | -0.001 |
| 1212     | 100      | Unbiased            | 99.752     | 99.75       | -0.002 |
| 1213     | 100      | Unbiased            | 99.748     | 99.747      | -0.001 |
| 1214     | 100      | Unbiased            | 99.749     | 99.747      | -0.002 |

TID vs Post - Pre Exposure Delta

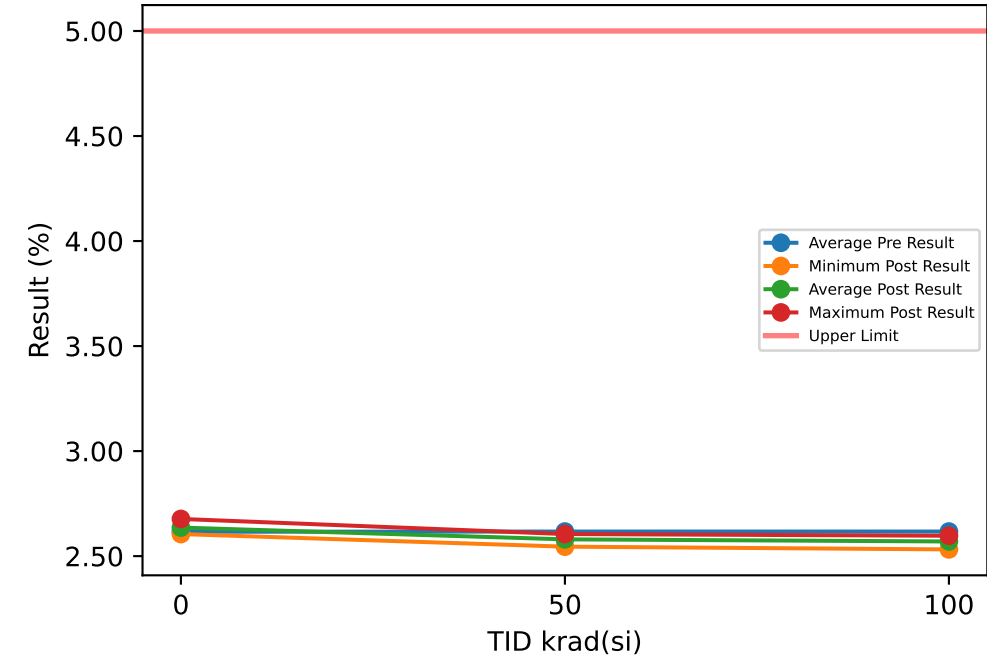


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta  |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|------------|
| 0        | 99.747           | 99.749           | 99.75            | 0.0013663        | 99.738            | 99.744            | 99.749            | 0.0045898         | -0.009    | -0.005     | 0         | 0.0044272  |
| 50       | 99.745           | 99.748           | 99.752           | 0.0019695        | 99.736            | 99.739            | 99.742            | 0.0019752         | -0.012    | -0.00975   | -0.008    | 0.00096531 |
| 100      | 99.745           | 99.748           | 99.752           | 0.0019695        | 99.744            | 99.747            | 99.75             | 0.0017123         | -0.003    | -0.0015833 | 0         | 0.00079296 |

Device Test: 6.65 ; VOL\_RESET\_2MA

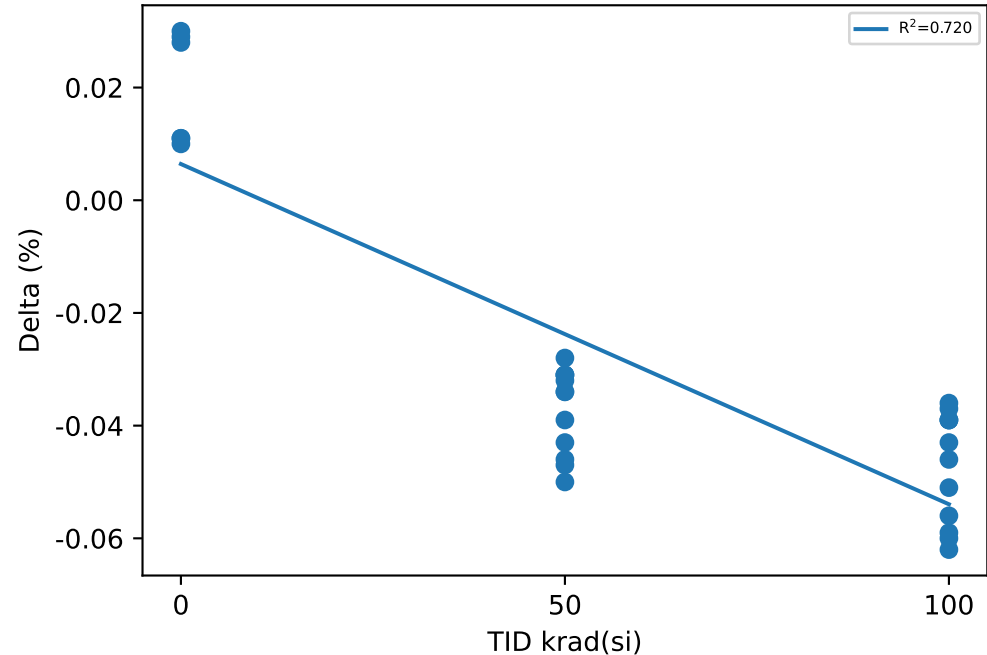
TID vs Result Stats



Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 2.605      | 2.616       | 0.011  |
| 201      | 0        | Correlation         | 2.594      | 2.605       | 0.011  |
| 202      | 0        | Correlation         | 2.649      | 2.659       | 0.01   |
| 203      | 50       | Biased              | 2.629      | 2.595       | -0.034 |
| 204      | 50       | Biased              | 2.613      | 2.579       | -0.034 |
| 205      | 50       | Biased              | 2.618      | 2.59        | -0.028 |
| 206      | 50       | Biased              | 2.613      | 2.582       | -0.031 |
| 207      | 50       | Biased              | 2.636      | 2.605       | -0.031 |
| 208      | 50       | Biased              | 2.625      | 2.594       | -0.031 |
| 209      | 50       | Unbiased            | 2.608      | 2.565       | -0.043 |
| 210      | 50       | Unbiased            | 2.589      | 2.55        | -0.039 |
| 211      | 50       | Unbiased            | 2.627      | 2.595       | -0.032 |
| 212      | 50       | Unbiased            | 2.591      | 2.545       | -0.046 |
| 213      | 50       | Unbiased            | 2.619      | 2.572       | -0.047 |
| 214      | 50       | Unbiased            | 2.636      | 2.586       | -0.05  |
| 1200     | 0        | Correlation         | 2.605      | 2.635       | 0.03   |
| 1201     | 0        | Correlation         | 2.594      | 2.623       | 0.029  |
| 1202     | 0        | Correlation         | 2.649      | 2.677       | 0.028  |
| 1203     | 100      | Biased              | 2.629      | 2.583       | -0.046 |
| 1204     | 100      | Biased              | 2.613      | 2.57        | -0.043 |
| 1205     | 100      | Biased              | 2.618      | 2.579       | -0.039 |
| 1206     | 100      | Biased              | 2.613      | 2.576       | -0.037 |
| 1207     | 100      | Biased              | 2.636      | 2.597       | -0.039 |
| 1208     | 100      | Biased              | 2.625      | 2.586       | -0.039 |
| 1209     | 100      | Unbiased            | 2.608      | 2.552       | -0.056 |
| 1210     | 100      | Unbiased            | 2.589      | 2.538       | -0.051 |
| 1211     | 100      | Unbiased            | 2.627      | 2.591       | -0.036 |
| 1212     | 100      | Unbiased            | 2.591      | 2.532       | -0.059 |
| 1213     | 100      | Unbiased            | 2.619      | 2.559       | -0.06  |
| 1214     | 100      | Unbiased            | 2.636      | 2.574       | -0.062 |

TID vs Post - Pre Exposure Delta

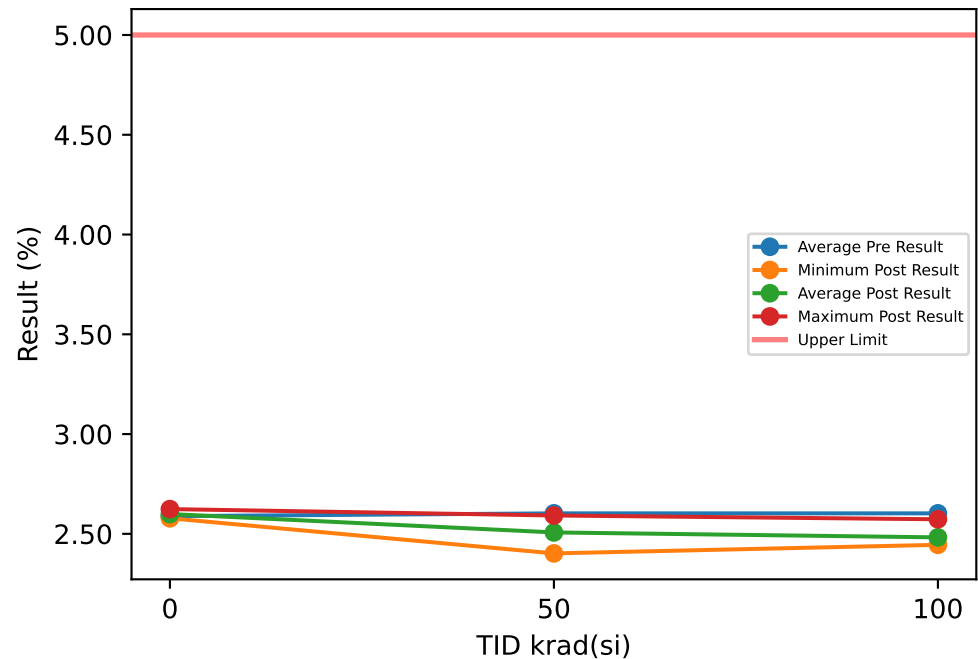


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 2.594            | 2.616            | 2.649            | 0.026031         | 2.605             | 2.6358            | 2.677             | 0.027353          | 0.01      | 0.019833  | 0.03      | 0.010068  |
| 50       | 2.589            | 2.617            | 2.636            | 0.015398         | 2.545             | 2.5798            | 2.605             | 0.018649          | -0.05     | -0.037167 | -0.028    | 0.0075177 |
| 100      | 2.589            | 2.617            | 2.636            | 0.015398         | 2.532             | 2.5697            | 2.597             | 0.020539          | -0.062    | -0.04725  | -0.036    | 0.0098362 |

Device Test: 6.66 ; VOL\_RESET\_2MA

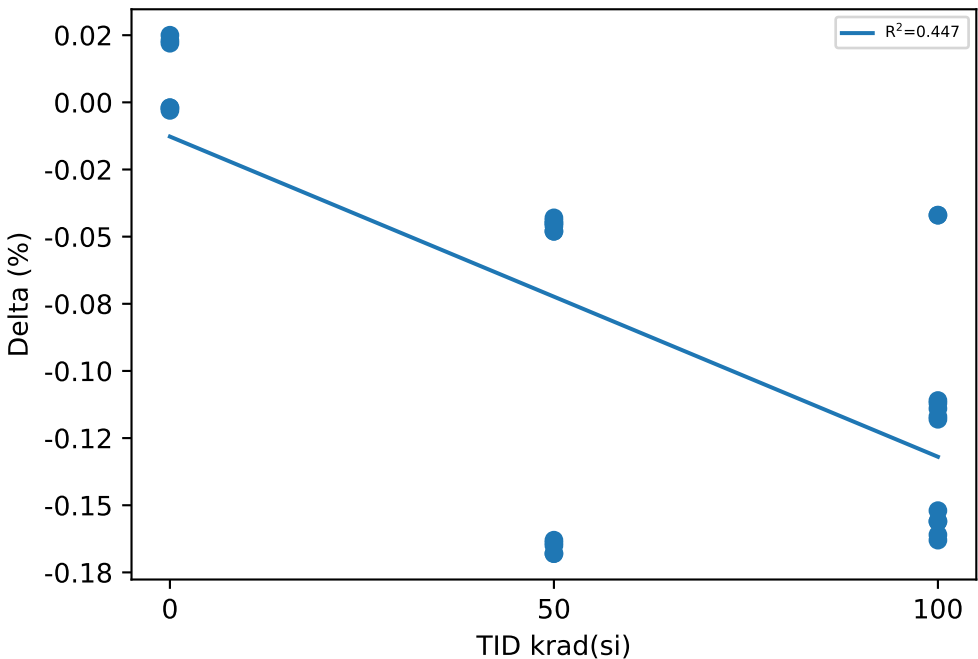
TID vs Result Stats



Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 2.599      | 2.597       | -0.002 |
| 201      | 0        | Correlation         | 2.58       | 2.578       | -0.002 |
| 202      | 0        | Correlation         | 2.587      | 2.584       | -0.003 |
| 203      | 50       | Biased              | 2.625      | 2.577       | -0.048 |
| 204      | 50       | Biased              | 2.607      | 2.559       | -0.048 |
| 205      | 50       | Biased              | 2.636      | 2.592       | -0.044 |
| 206      | 50       | Biased              | 2.58       | 2.535       | -0.045 |
| 207      | 50       | Biased              | 2.631      | 2.588       | -0.043 |
| 208      | 50       | Biased              | 2.597      | 2.552       | -0.045 |
| 209      | 50       | Unbiased            | 2.575      | 2.412       | -0.163 |
| 210      | 50       | Unbiased            | 2.6        | 2.436       | -0.164 |
| 211      | 50       | Unbiased            | 2.615      | 2.569       | -0.046 |
| 212      | 50       | Unbiased            | 2.567      | 2.402       | -0.165 |
| 213      | 50       | Unbiased            | 2.608      | 2.44        | -0.168 |
| 214      | 50       | Unbiased            | 2.591      | 2.423       | -0.168 |
| 1200     | 0        | Correlation         | 2.599      | 2.624       | 0.025  |
| 1201     | 0        | Correlation         | 2.58       | 2.603       | 0.023  |
| 1202     | 0        | Correlation         | 2.587      | 2.609       | 0.022  |
| 1203     | 100      | Biased              | 2.625      | 2.462       | -0.163 |
| 1204     | 100      | Biased              | 2.607      | 2.446       | -0.161 |
| 1205     | 100      | Biased              | 2.636      | 2.48        | -0.156 |
| 1206     | 100      | Biased              | 2.58       | 2.538       | -0.042 |
| 1207     | 100      | Biased              | 2.631      | 2.475       | -0.156 |
| 1208     | 100      | Biased              | 2.597      | 2.445       | -0.152 |
| 1209     | 100      | Unbiased            | 2.575      | 2.464       | -0.111 |
| 1210     | 100      | Unbiased            | 2.6        | 2.488       | -0.112 |
| 1211     | 100      | Unbiased            | 2.615      | 2.573       | -0.042 |
| 1212     | 100      | Unbiased            | 2.567      | 2.453       | -0.114 |
| 1213     | 100      | Unbiased            | 2.608      | 2.49        | -0.118 |
| 1214     | 100      | Unbiased            | 2.591      | 2.474       | -0.117 |

TID vs Post - Pre Exposure Delta



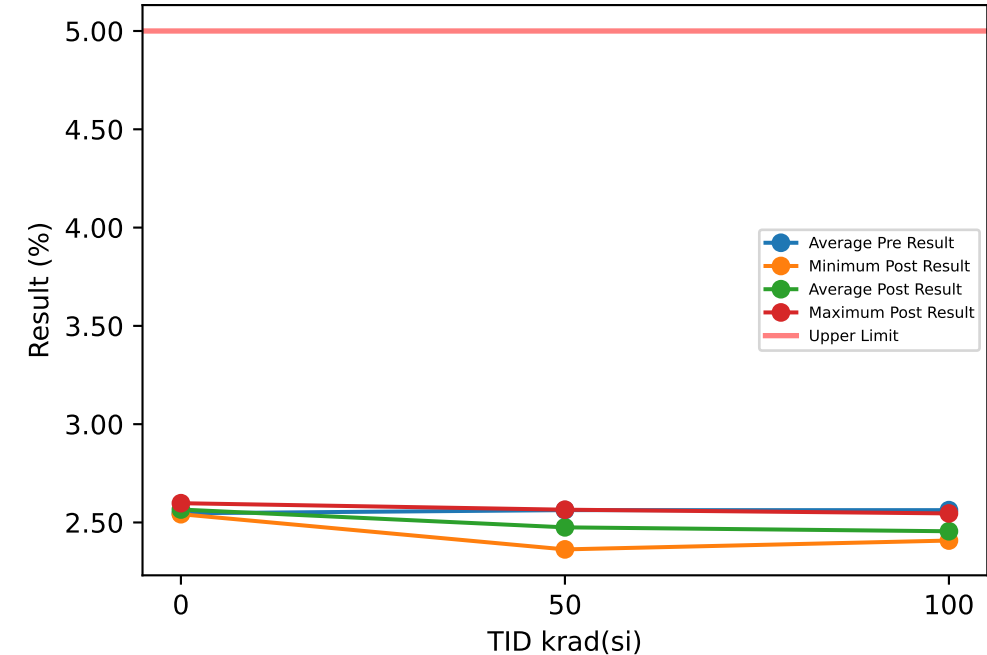
Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 2.58             | 2.5887           | 2.599            | 0.0085946        | 2.578             | 2.5992            | 2.624             | 0.016798          | -0.003    | 0.0105    | 0.025     | 0.014096  |
| 50       | 2.567            | 2.6027           | 2.636            | 0.02203          | 2.402             | 2.5071            | 2.592             | 0.076681          | -0.168    | -0.095583 | -0.043    | 0.061838  |
| 100      | 2.567            | 2.6027           | 2.636            | 0.02203          | 2.445             | 2.4823            | 2.573             | 0.037974          | -0.163    | -0.12033  | -0.042    | 0.042111  |



Device Test: 6.67 ; VOL\_RESET\_2MA

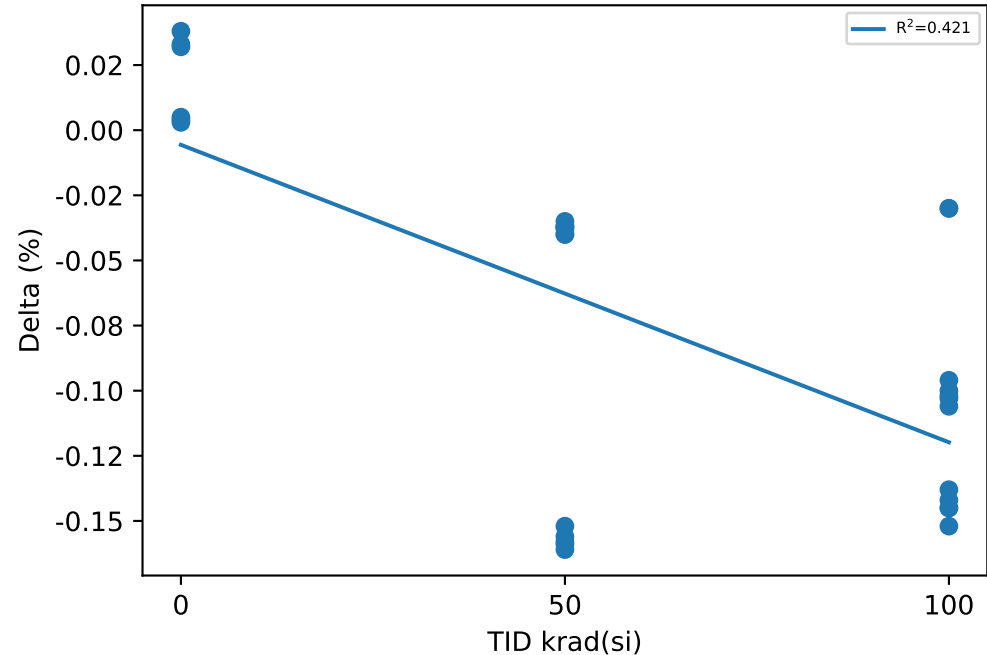
TID vs Result Stats



Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 2.56       | 2.565       | 0.005  |
| 201      | 0        | Correlation         | 2.538      | 2.542       | 0.004  |
| 202      | 0        | Correlation         | 2.542      | 2.545       | 0.003  |
| 203      | 50       | Biased              | 2.597      | 2.557       | -0.04  |
| 204      | 50       | Biased              | 2.553      | 2.513       | -0.04  |
| 205      | 50       | Biased              | 2.6        | 2.565       | -0.035 |
| 206      | 50       | Biased              | 2.542      | 2.504       | -0.038 |
| 207      | 50       | Biased              | 2.595      | 2.558       | -0.037 |
| 208      | 50       | Biased              | 2.554      | 2.517       | -0.037 |
| 209      | 50       | Unbiased            | 2.55       | 2.391       | -0.159 |
| 210      | 50       | Unbiased            | 2.549      | 2.397       | -0.152 |
| 211      | 50       | Unbiased            | 2.576      | 2.539       | -0.037 |
| 212      | 50       | Unbiased            | 2.519      | 2.363       | -0.156 |
| 213      | 50       | Unbiased            | 2.574      | 2.413       | -0.161 |
| 214      | 50       | Unbiased            | 2.543      | 2.385       | -0.158 |
| 1200     | 0        | Correlation         | 2.56       | 2.598       | 0.038  |
| 1201     | 0        | Correlation         | 2.538      | 2.571       | 0.033  |
| 1202     | 0        | Correlation         | 2.542      | 2.574       | 0.032  |
| 1203     | 100      | Biased              | 2.597      | 2.445       | -0.152 |
| 1204     | 100      | Biased              | 2.553      | 2.408       | -0.145 |
| 1205     | 100      | Biased              | 2.6        | 2.458       | -0.142 |
| 1206     | 100      | Biased              | 2.542      | 2.512       | -0.03  |
| 1207     | 100      | Biased              | 2.595      | 2.45        | -0.145 |
| 1208     | 100      | Biased              | 2.554      | 2.416       | -0.138 |
| 1209     | 100      | Unbiased            | 2.55       | 2.448       | -0.102 |
| 1210     | 100      | Unbiased            | 2.549      | 2.453       | -0.096 |
| 1211     | 100      | Unbiased            | 2.576      | 2.546       | -0.03  |
| 1212     | 100      | Unbiased            | 2.519      | 2.419       | -0.1   |
| 1213     | 100      | Unbiased            | 2.574      | 2.468       | -0.106 |
| 1214     | 100      | Unbiased            | 2.543      | 2.44        | -0.103 |

TID vs Post - Pre Exposure Delta

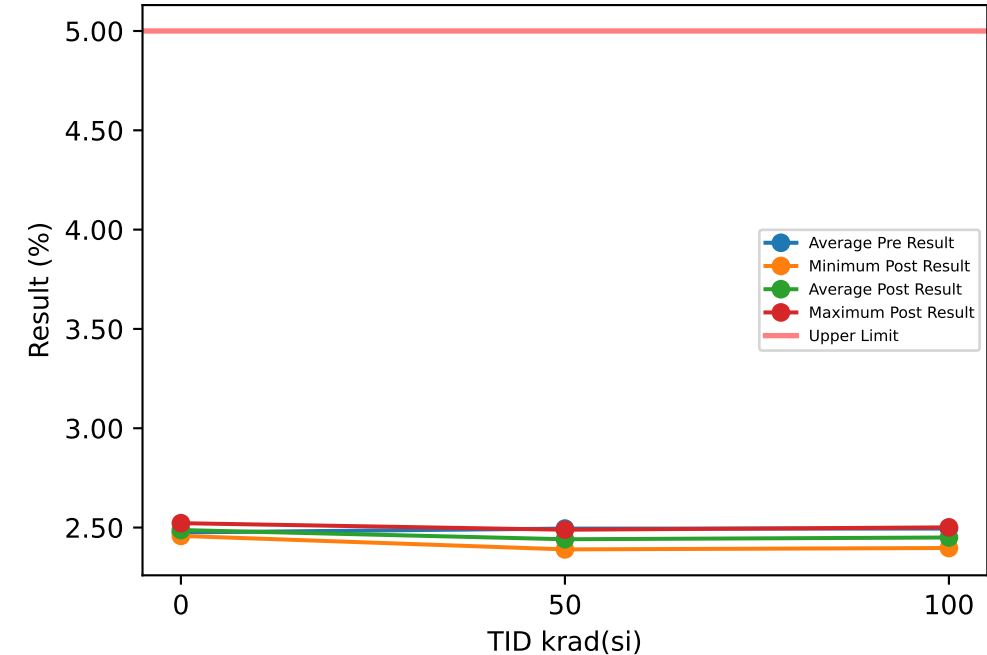


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 2.538            | 2.5467           | 2.56             | 0.010482         | 2.542             | 2.5658            | 2.598             | 0.020644          | 0.003     | 0.019167  | 0.038     | 0.01675   |
| 50       | 2.519            | 2.5627           | 2.6              | 0.025514         | 2.363             | 2.4752            | 2.565             | 0.078327          | -0.161    | -0.0875   | -0.035    | 0.061576  |
| 100      | 2.519            | 2.5627           | 2.6              | 0.025514         | 2.408             | 2.4552            | 2.546             | 0.039469          | -0.152    | -0.10742  | -0.03     | 0.041743  |

Device Test: 6.68 ; VOL\_RESET\_2MA

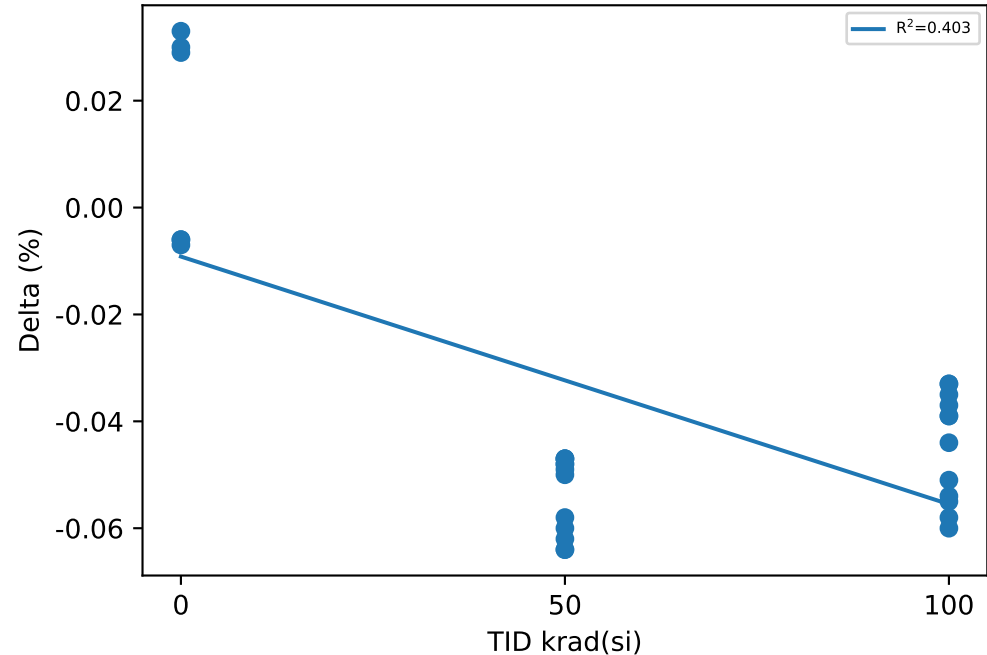
TID vs Result Stats



Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 2.489      | 2.482       | -0.007 |
| 201      | 0        | Correlation         | 2.464      | 2.458       | -0.006 |
| 202      | 0        | Correlation         | 2.473      | 2.467       | -0.006 |
| 203      | 50       | Biased              | 2.534      | 2.484       | -0.05  |
| 204      | 50       | Biased              | 2.476      | 2.427       | -0.049 |
| 205      | 50       | Biased              | 2.528      | 2.481       | -0.047 |
| 206      | 50       | Biased              | 2.478      | 2.43        | -0.048 |
| 207      | 50       | Biased              | 2.536      | 2.489       | -0.047 |
| 208      | 50       | Biased              | 2.476      | 2.429       | -0.047 |
| 209      | 50       | Unbiased            | 2.479      | 2.419       | -0.06  |
| 210      | 50       | Unbiased            | 2.482      | 2.424       | -0.058 |
| 211      | 50       | Unbiased            | 2.506      | 2.458       | -0.048 |
| 212      | 50       | Unbiased            | 2.452      | 2.39        | -0.062 |
| 213      | 50       | Unbiased            | 2.513      | 2.449       | -0.064 |
| 214      | 50       | Unbiased            | 2.477      | 2.413       | -0.064 |
| 1200     | 0        | Correlation         | 2.489      | 2.522       | 0.033  |
| 1201     | 0        | Correlation         | 2.464      | 2.494       | 0.03   |
| 1202     | 0        | Correlation         | 2.473      | 2.502       | 0.029  |
| 1203     | 100      | Biased              | 2.534      | 2.49        | -0.044 |
| 1204     | 100      | Biased              | 2.476      | 2.437       | -0.039 |
| 1205     | 100      | Biased              | 2.528      | 2.489       | -0.039 |
| 1206     | 100      | Biased              | 2.478      | 2.445       | -0.033 |
| 1207     | 100      | Biased              | 2.536      | 2.501       | -0.035 |
| 1208     | 100      | Biased              | 2.476      | 2.439       | -0.037 |
| 1209     | 100      | Unbiased            | 2.479      | 2.425       | -0.054 |
| 1210     | 100      | Unbiased            | 2.482      | 2.431       | -0.051 |
| 1211     | 100      | Unbiased            | 2.506      | 2.473       | -0.033 |
| 1212     | 100      | Unbiased            | 2.452      | 2.397       | -0.055 |
| 1213     | 100      | Unbiased            | 2.513      | 2.453       | -0.06  |
| 1214     | 100      | Unbiased            | 2.477      | 2.419       | -0.058 |

TID vs Post - Pre Exposure Delta

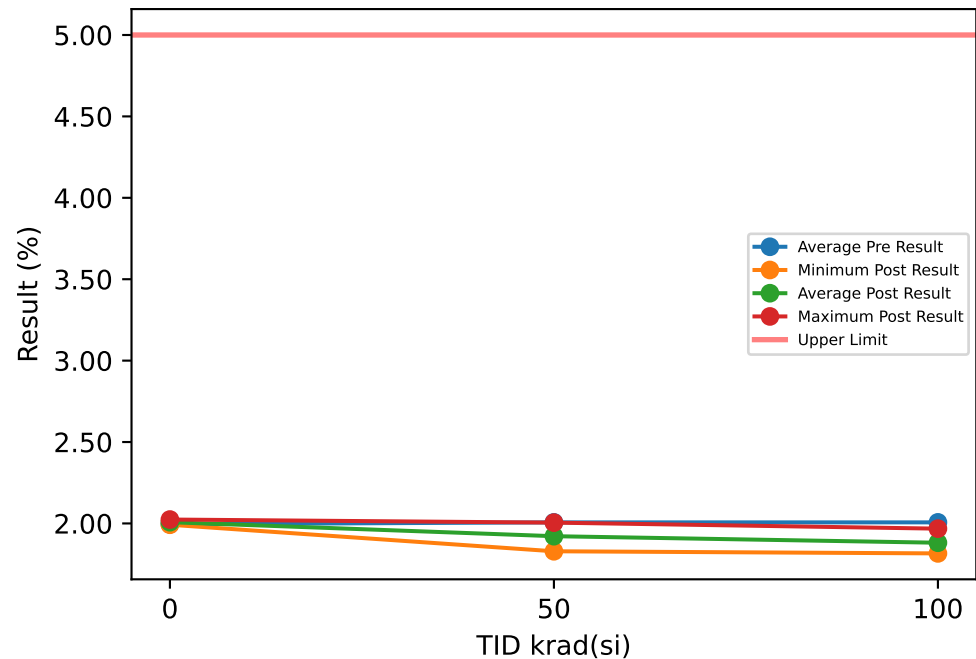


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 2.464            | 2.4753           | 2.489            | 0.011325         | 2.458             | 2.4875            | 2.522             | 0.02351           | -0.007    | 0.012167  | 0.033     | 0.020312  |
| 50       | 2.452            | 2.4948           | 2.536            | 0.027542         | 2.39              | 2.4411            | 2.489             | 0.031225          | -0.064    | -0.053667 | -0.047    | 0.0072279 |
| 100      | 2.452            | 2.4948           | 2.536            | 0.027542         | 2.397             | 2.4499            | 2.501             | 0.032095          | -0.06     | -0.044833 | -0.033    | 0.010161  |

Device Test: 6.69 ; VOL\_WDO\_2MA

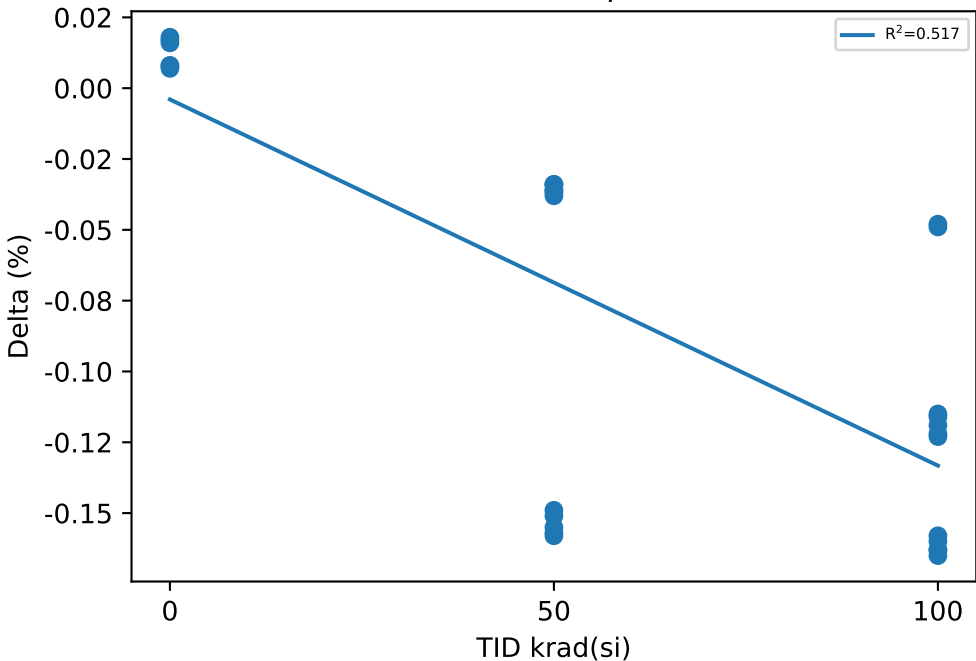
TID vs Result Stats



Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 2.006      | 2.013       | 0.007  |
| 201      | 0        | Correlation         | 1.984      | 1.992       | 0.008  |
| 202      | 0        | Correlation         | 1.996      | 2.004       | 0.008  |
| 203      | 50       | Biased              | 2.003      | 1.967       | -0.036 |
| 204      | 50       | Biased              | 1.979      | 1.941       | -0.038 |
| 205      | 50       | Biased              | 2.039      | 2.005       | -0.034 |
| 206      | 50       | Biased              | 2.015      | 1.978       | -0.037 |
| 207      | 50       | Biased              | 2.029      | 1.995       | -0.034 |
| 208      | 50       | Biased              | 2.01       | 1.976       | -0.034 |
| 209      | 50       | Unbiased            | 1.983      | 1.834       | -0.149 |
| 210      | 50       | Unbiased            | 1.996      | 1.845       | -0.151 |
| 211      | 50       | Unbiased            | 2.016      | 1.98        | -0.036 |
| 212      | 50       | Unbiased            | 1.984      | 1.829       | -0.155 |
| 213      | 50       | Unbiased            | 2.025      | 1.867       | -0.158 |
| 214      | 50       | Unbiased            | 2          | 1.843       | -0.157 |
| 1200     | 0        | Correlation         | 2.006      | 2.024       | 0.018  |
| 1201     | 0        | Correlation         | 1.984      | 2.001       | 0.017  |
| 1202     | 0        | Correlation         | 1.996      | 2.012       | 0.016  |
| 1203     | 100      | Biased              | 2.003      | 1.838       | -0.165 |
| 1204     | 100      | Biased              | 1.979      | 1.816       | -0.163 |
| 1205     | 100      | Biased              | 2.039      | 1.876       | -0.163 |
| 1206     | 100      | Biased              | 2.015      | 1.966       | -0.049 |
| 1207     | 100      | Biased              | 2.029      | 1.869       | -0.16  |
| 1208     | 100      | Biased              | 2.01       | 1.852       | -0.158 |
| 1209     | 100      | Unbiased            | 1.983      | 1.868       | -0.115 |
| 1210     | 100      | Unbiased            | 1.996      | 1.88        | -0.116 |
| 1211     | 100      | Unbiased            | 2.016      | 1.968       | -0.048 |
| 1212     | 100      | Unbiased            | 1.984      | 1.865       | -0.119 |
| 1213     | 100      | Unbiased            | 2.025      | 1.902       | -0.123 |
| 1214     | 100      | Unbiased            | 2          | 1.878       | -0.122 |

TID vs Post - Pre Exposure Delta

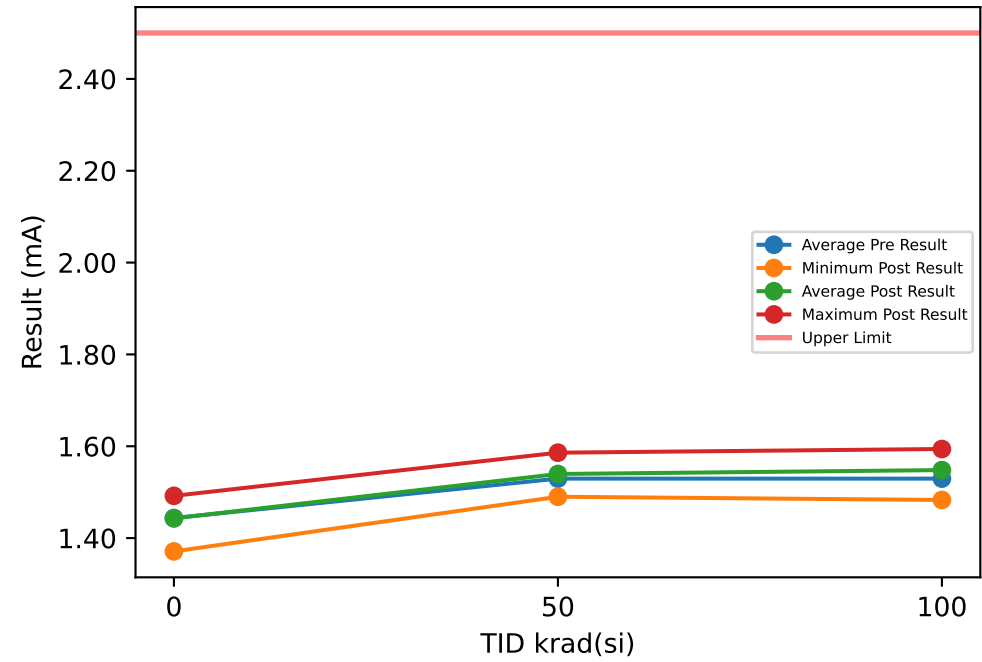


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 1.984            | 1.9953           | 2.006            | 0.0098522        | 1.992             | 2.0077            | 2.024             | 0.011112          | 0.007     | 0.012333  | 0.018     | 0.005164  |
| 50       | 1.979            | 2.0066           | 2.039            | 0.019209         | 1.829             | 1.9217            | 2.005             | 0.0711            | -0.158    | -0.084917 | -0.034    | 0.061039  |
| 100      | 1.979            | 2.0066           | 2.039            | 0.019209         | 1.816             | 1.8815            | 1.968             | 0.045478          | -0.165    | -0.12508  | -0.048    | 0.041272  |

Device Test: 6.7 ; IQ

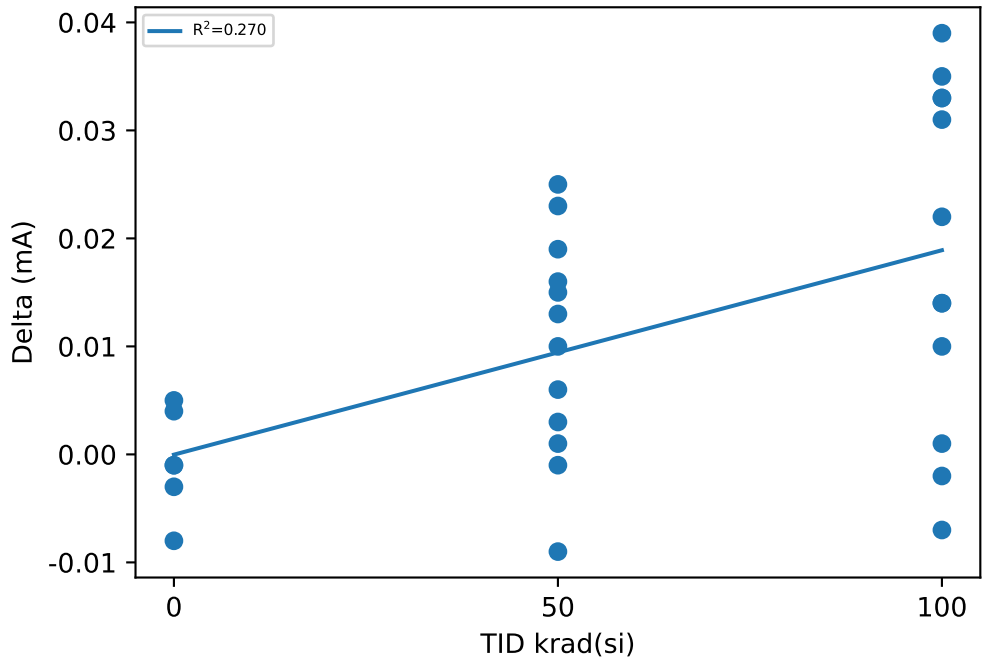
TID vs Result Stats



Test Results (Upper Limit = 2.5 (mA))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 1.495      | 1.487       | -0.008 |
| 201      | 0        | Correlation         | 1.372      | 1.371       | -0.001 |
| 202      | 0        | Correlation         | 1.464      | 1.463       | -0.001 |
| 203      | 50       | Biased              | 1.549      | 1.54        | -0.009 |
| 204      | 50       | Biased              | 1.49       | 1.493       | 0.003  |
| 205      | 50       | Biased              | 1.515      | 1.521       | 0.006  |
| 206      | 50       | Biased              | 1.563      | 1.576       | 0.013  |
| 207      | 50       | Biased              | 1.525      | 1.54        | 0.015  |
| 208      | 50       | Biased              | 1.536      | 1.535       | -0.001 |
| 209      | 50       | Unbiased            | 1.529      | 1.545       | 0.016  |
| 210      | 50       | Unbiased            | 1.561      | 1.586       | 0.025  |
| 211      | 50       | Unbiased            | 1.508      | 1.518       | 0.01   |
| 212      | 50       | Unbiased            | 1.471      | 1.49        | 0.019  |
| 213      | 50       | Unbiased            | 1.533      | 1.556       | 0.023  |
| 214      | 50       | Unbiased            | 1.574      | 1.575       | 0.001  |
| 1200     | 0        | Correlation         | 1.495      | 1.492       | -0.003 |
| 1201     | 0        | Correlation         | 1.372      | 1.377       | 0.005  |
| 1202     | 0        | Correlation         | 1.464      | 1.468       | 0.004  |
| 1203     | 100      | Biased              | 1.549      | 1.563       | 0.014  |
| 1204     | 100      | Biased              | 1.49       | 1.483       | -0.007 |
| 1205     | 100      | Biased              | 1.515      | 1.516       | 0.001  |
| 1206     | 100      | Biased              | 1.563      | 1.594       | 0.031  |
| 1207     | 100      | Biased              | 1.525      | 1.564       | 0.039  |
| 1208     | 100      | Biased              | 1.536      | 1.534       | -0.002 |
| 1209     | 100      | Unbiased            | 1.529      | 1.562       | 0.033  |
| 1210     | 100      | Unbiased            | 1.561      | 1.583       | 0.022  |
| 1211     | 100      | Unbiased            | 1.508      | 1.543       | 0.035  |
| 1212     | 100      | Unbiased            | 1.471      | 1.485       | 0.014  |
| 1213     | 100      | Unbiased            | 1.533      | 1.566       | 0.033  |
| 1214     | 100      | Unbiased            | 1.574      | 1.584       | 0.01   |

TID vs Post - Pre Exposure Delta

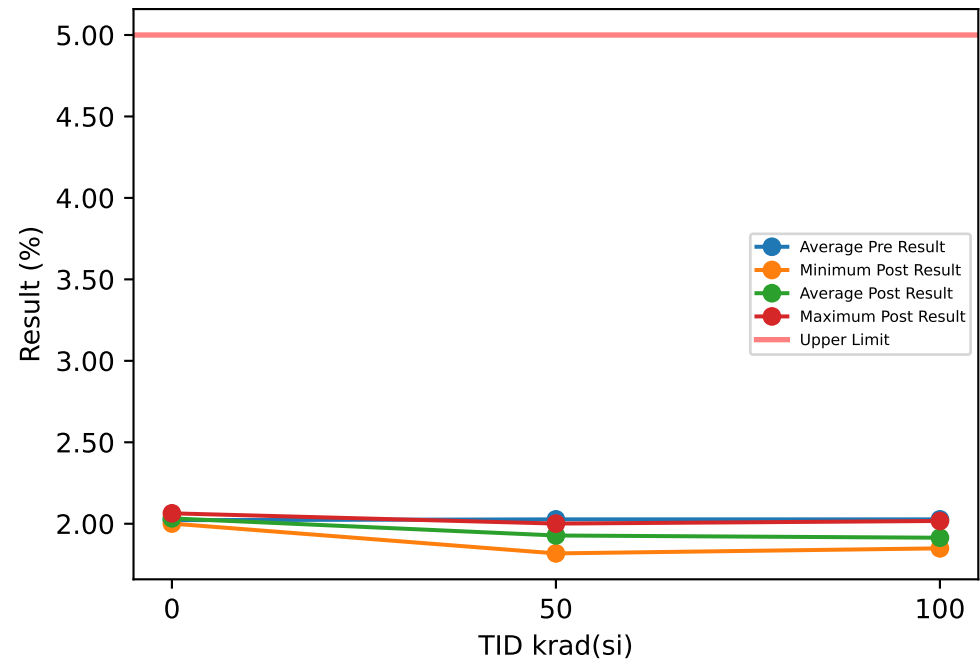


Test Statistics (mA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|-----------|
| 0        | 1.372            | 1.4437           | 1.495            | 0.057218         | 1.371             | 1.443             | 1.492             | 0.054593          | -0.008    | -0.00066667 | 0.005     | 0.004761  |
| 50       | 1.471            | 1.5295           | 1.574            | 0.030459         | 1.49              | 1.5396            | 1.586             | 0.030888          | -0.009    | 0.010083    | 0.025     | 0.010326  |
| 100      | 1.471            | 1.5295           | 1.574            | 0.030459         | 1.483             | 1.5481            | 1.594             | 0.037022          | -0.007    | 0.018583    | 0.039     | 0.015871  |

Device Test: 6.70 ; VOL\_PWRGD\_2MA

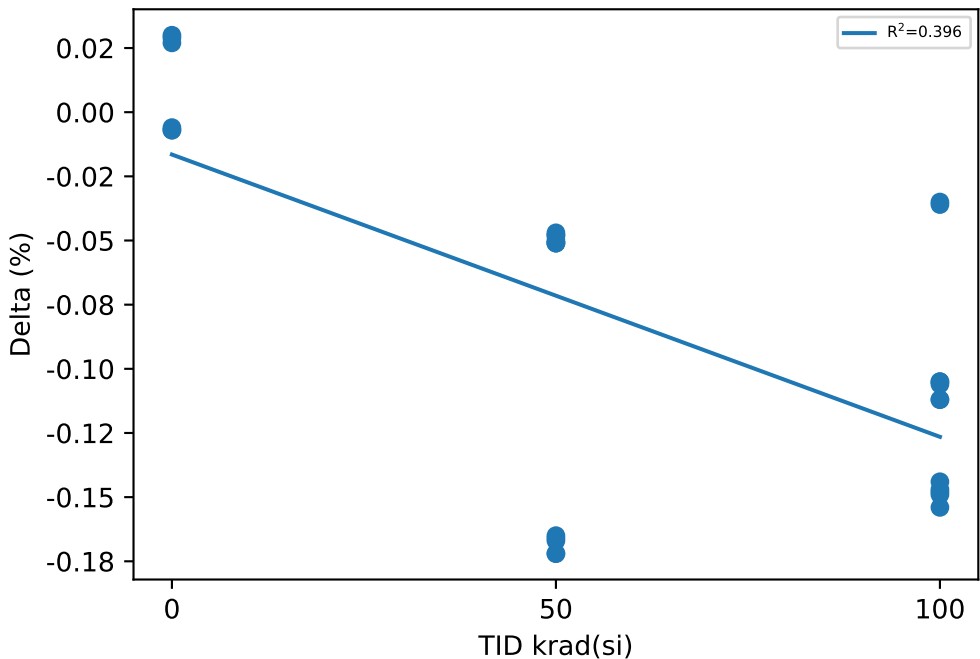
TID vs Result Stats



Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 2.034      | 2.027       | -0.007 |
| 201      | 0        | Correlation         | 2.007      | 2.001       | -0.006 |
| 202      | 0        | Correlation         | 2.025      | 2.018       | -0.007 |
| 203      | 50       | Biased              | 2.022      | 1.971       | -0.051 |
| 204      | 50       | Biased              | 1.996      | 1.945       | -0.051 |
| 205      | 50       | Biased              | 2.044      | 1.996       | -0.048 |
| 206      | 50       | Biased              | 2.044      | 1.994       | -0.05  |
| 207      | 50       | Biased              | 2.046      | 1.999       | -0.047 |
| 208      | 50       | Biased              | 2.02       | 1.972       | -0.048 |
| 209      | 50       | Unbiased            | 2.022      | 1.857       | -0.165 |
| 210      | 50       | Unbiased            | 2.025      | 1.858       | -0.167 |
| 211      | 50       | Unbiased            | 2.052      | 2.001       | -0.051 |
| 212      | 50       | Unbiased            | 1.984      | 1.818       | -0.166 |
| 213      | 50       | Unbiased            | 2.046      | 1.874       | -0.172 |
| 214      | 50       | Unbiased            | 2.022      | 1.85        | -0.172 |
| 1200     | 0        | Correlation         | 2.034      | 2.064       | 0.03   |
| 1201     | 0        | Correlation         | 2.007      | 2.036       | 0.029  |
| 1202     | 0        | Correlation         | 2.025      | 2.052       | 0.027  |
| 1203     | 100      | Biased              | 2.022      | 1.868       | -0.154 |
| 1204     | 100      | Biased              | 1.996      | 1.849       | -0.147 |
| 1205     | 100      | Biased              | 2.044      | 1.896       | -0.148 |
| 1206     | 100      | Biased              | 2.044      | 2.008       | -0.036 |
| 1207     | 100      | Biased              | 2.046      | 1.897       | -0.149 |
| 1208     | 100      | Biased              | 2.02       | 1.876       | -0.144 |
| 1209     | 100      | Unbiased            | 2.022      | 1.917       | -0.105 |
| 1210     | 100      | Unbiased            | 2.025      | 1.919       | -0.106 |
| 1211     | 100      | Unbiased            | 2.052      | 2.017       | -0.035 |
| 1212     | 100      | Unbiased            | 1.984      | 1.879       | -0.105 |
| 1213     | 100      | Unbiased            | 2.046      | 1.934       | -0.112 |
| 1214     | 100      | Unbiased            | 2.022      | 1.91        | -0.112 |

TID vs Post - Pre Exposure Delta

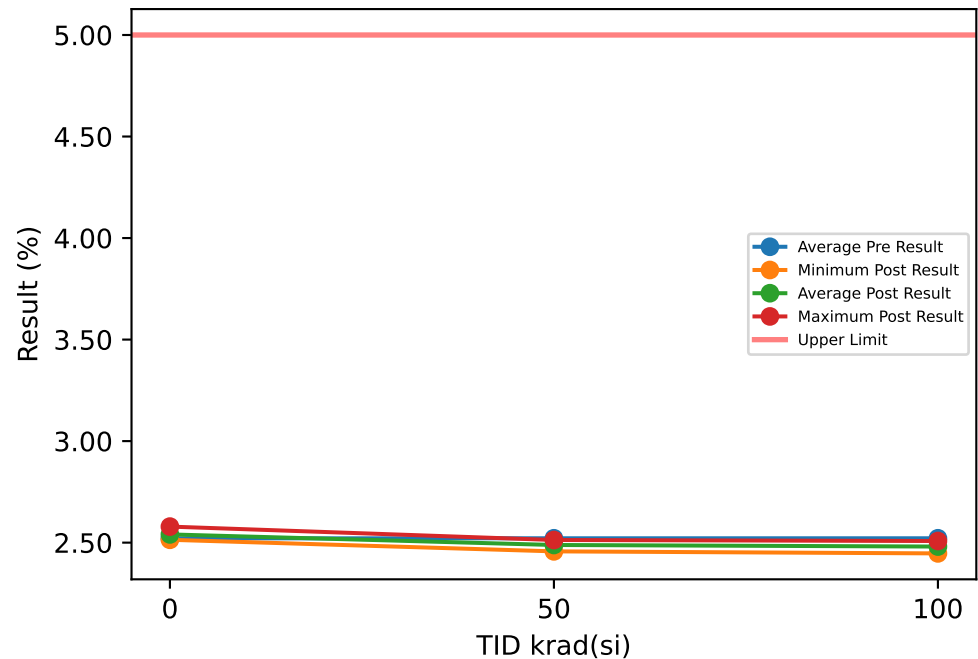


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 2.007            | 2.022            | 2.034            | 0.012296         | 2.001             | 2.033             | 2.064             | 0.022874          | -0.007    | 0.011     | 0.03      | 0.01938   |
| 50       | 1.984            | 2.0269           | 2.052            | 0.021026         | 1.818             | 1.9279            | 2.001             | 0.070366          | -0.172    | -0.099    | -0.047    | 0.061308  |
| 100      | 1.984            | 2.0269           | 2.052            | 0.021026         | 1.849             | 1.9142            | 2.017             | 0.051802          | -0.154    | -0.11275  | -0.035    | 0.041021  |

Device Test: 6.71 ; VOL\_RESET\_2MA

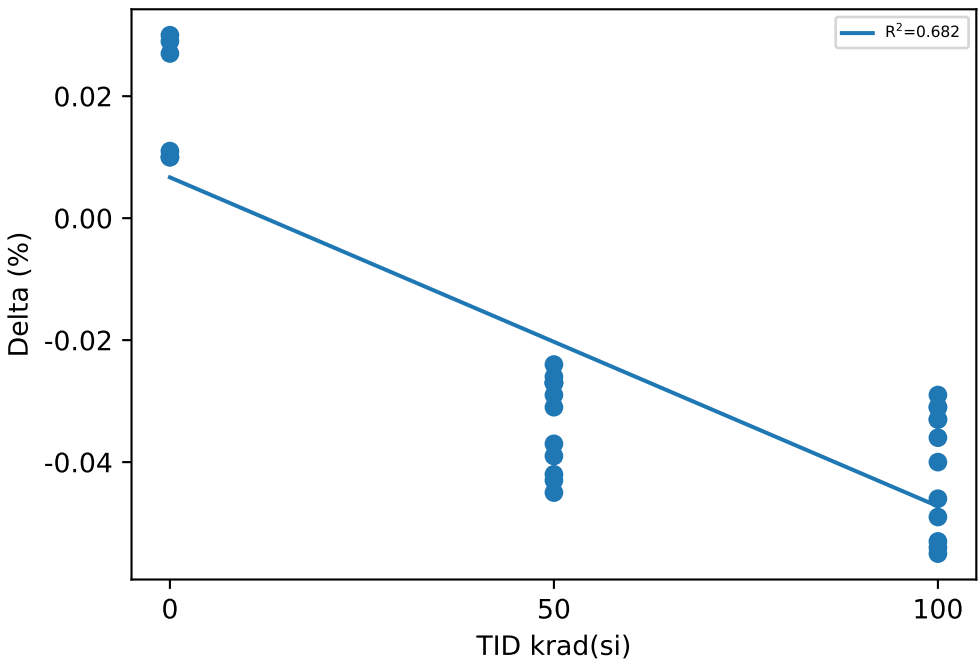
TID vs Result Stats



Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 2.509      | 2.52        | 0.011  |
| 201      | 0        | Correlation         | 2.504      | 2.514       | 0.01   |
| 202      | 0        | Correlation         | 2.55       | 2.56        | 0.01   |
| 203      | 50       | Biased              | 2.534      | 2.503       | -0.031 |
| 204      | 50       | Biased              | 2.521      | 2.492       | -0.029 |
| 205      | 50       | Biased              | 2.522      | 2.498       | -0.024 |
| 206      | 50       | Biased              | 2.517      | 2.49        | -0.027 |
| 207      | 50       | Biased              | 2.539      | 2.513       | -0.026 |
| 208      | 50       | Biased              | 2.53       | 2.503       | -0.027 |
| 209      | 50       | Unbiased            | 2.515      | 2.476       | -0.039 |
| 210      | 50       | Unbiased            | 2.498      | 2.461       | -0.037 |
| 211      | 50       | Unbiased            | 2.527      | 2.5         | -0.027 |
| 212      | 50       | Unbiased            | 2.5        | 2.457       | -0.043 |
| 213      | 50       | Unbiased            | 2.519      | 2.477       | -0.042 |
| 214      | 50       | Unbiased            | 2.536      | 2.491       | -0.045 |
| 1200     | 0        | Correlation         | 2.509      | 2.539       | 0.03   |
| 1201     | 0        | Correlation         | 2.504      | 2.531       | 0.027  |
| 1202     | 0        | Correlation         | 2.55       | 2.579       | 0.029  |
| 1203     | 100      | Biased              | 2.534      | 2.494       | -0.04  |
| 1204     | 100      | Biased              | 2.521      | 2.485       | -0.036 |
| 1205     | 100      | Biased              | 2.522      | 2.489       | -0.033 |
| 1206     | 100      | Biased              | 2.517      | 2.486       | -0.031 |
| 1207     | 100      | Biased              | 2.539      | 2.508       | -0.031 |
| 1208     | 100      | Biased              | 2.53       | 2.497       | -0.033 |
| 1209     | 100      | Unbiased            | 2.515      | 2.466       | -0.049 |
| 1210     | 100      | Unbiased            | 2.498      | 2.452       | -0.046 |
| 1211     | 100      | Unbiased            | 2.527      | 2.498       | -0.029 |
| 1212     | 100      | Unbiased            | 2.5        | 2.447       | -0.053 |
| 1213     | 100      | Unbiased            | 2.519      | 2.465       | -0.054 |
| 1214     | 100      | Unbiased            | 2.536      | 2.481       | -0.055 |

TID vs Post - Pre Exposure Delta



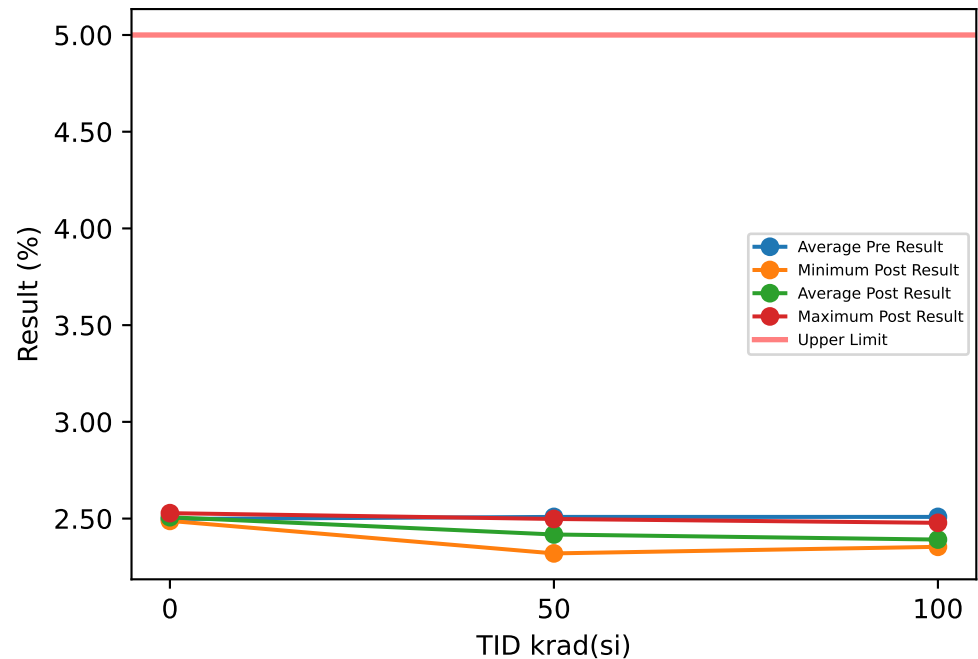
Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 2.504            | 2.521            | 2.55             | 0.022574         | 2.514             | 2.5405            | 2.579             | 0.024809          | 0.01      | 0.0195    | 0.03      | 0.010095  |
| 50       | 2.498            | 2.5215           | 2.539            | 0.013            | 2.457             | 2.4884            | 2.513             | 0.017323          | -0.045    | -0.033083 | -0.024    | 0.0075973 |
| 100      | 2.498            | 2.5215           | 2.539            | 0.013            | 2.447             | 2.4807            | 2.508             | 0.019128          | -0.055    | -0.040833 | -0.029    | 0.0099803 |



Device Test: 6.72 ; VOL\_RESET\_2MA

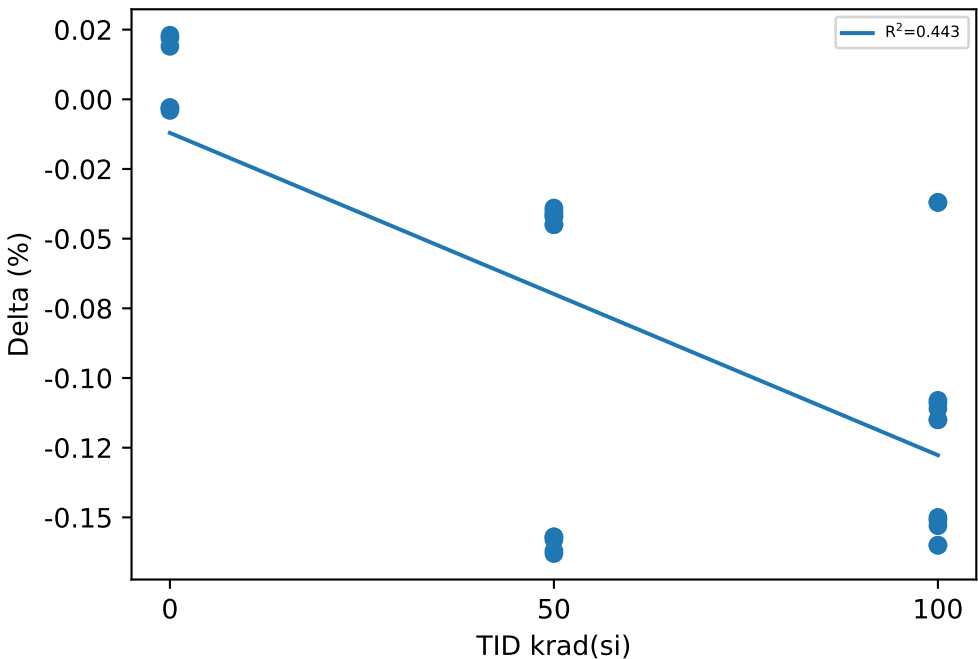
TID vs Result Stats



Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 2.505      | 2.502       | -0.003 |
| 201      | 0        | Correlation         | 2.491      | 2.488       | -0.003 |
| 202      | 0        | Correlation         | 2.498      | 2.494       | -0.004 |
| 203      | 50       | Biased              | 2.531      | 2.486       | -0.045 |
| 204      | 50       | Biased              | 2.518      | 2.473       | -0.045 |
| 205      | 50       | Biased              | 2.537      | 2.498       | -0.039 |
| 206      | 50       | Biased              | 2.486      | 2.444       | -0.042 |
| 207      | 50       | Biased              | 2.536      | 2.496       | -0.04  |
| 208      | 50       | Biased              | 2.504      | 2.463       | -0.041 |
| 209      | 50       | Unbiased            | 2.486      | 2.329       | -0.157 |
| 210      | 50       | Unbiased            | 2.506      | 2.349       | -0.157 |
| 211      | 50       | Unbiased            | 2.515      | 2.473       | -0.042 |
| 212      | 50       | Unbiased            | 2.478      | 2.32        | -0.158 |
| 213      | 50       | Unbiased            | 2.509      | 2.347       | -0.162 |
| 214      | 50       | Unbiased            | 2.498      | 2.335       | -0.163 |
| 1200     | 0        | Correlation         | 2.505      | 2.528       | 0.023  |
| 1201     | 0        | Correlation         | 2.491      | 2.513       | 0.022  |
| 1202     | 0        | Correlation         | 2.498      | 2.517       | 0.019  |
| 1203     | 100      | Biased              | 2.531      | 2.371       | -0.16  |
| 1204     | 100      | Biased              | 2.518      | 2.358       | -0.16  |
| 1205     | 100      | Biased              | 2.537      | 2.386       | -0.151 |
| 1206     | 100      | Biased              | 2.486      | 2.449       | -0.037 |
| 1207     | 100      | Biased              | 2.536      | 2.383       | -0.153 |
| 1208     | 100      | Biased              | 2.504      | 2.354       | -0.15  |
| 1209     | 100      | Unbiased            | 2.486      | 2.378       | -0.108 |
| 1210     | 100      | Unbiased            | 2.506      | 2.397       | -0.109 |
| 1211     | 100      | Unbiased            | 2.515      | 2.478       | -0.037 |
| 1212     | 100      | Unbiased            | 2.478      | 2.367       | -0.111 |
| 1213     | 100      | Unbiased            | 2.509      | 2.394       | -0.115 |
| 1214     | 100      | Unbiased            | 2.498      | 2.383       | -0.115 |

TID vs Post - Pre Exposure Delta

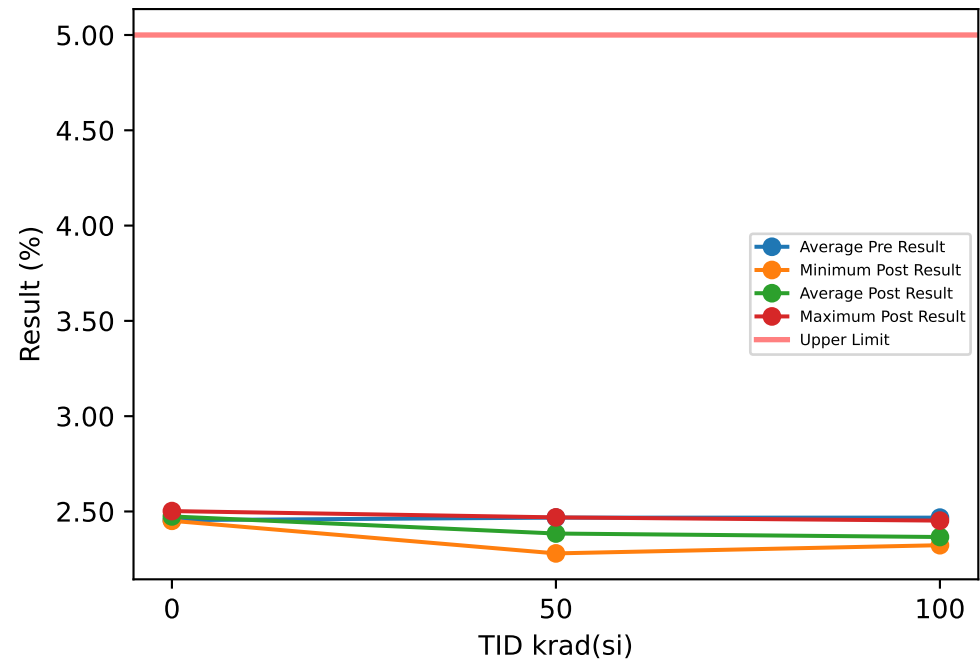


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 2.491            | 2.498            | 2.505            | 0.006261         | 2.488             | 2.507             | 2.528             | 0.015047          | -0.004    | 0.009     | 0.023     | 0.013579  |
| 50       | 2.478            | 2.5087           | 2.537            | 0.019741         | 2.32              | 2.4178            | 2.498             | 0.073901          | -0.163    | -0.090917 | -0.039    | 0.060502  |
| 100      | 2.478            | 2.5087           | 2.537            | 0.019741         | 2.354             | 2.3915            | 2.478             | 0.036595          | -0.16     | -0.11717  | -0.037    | 0.042882  |

Device Test: 6.73 ; VOL\_RESET\_2MA

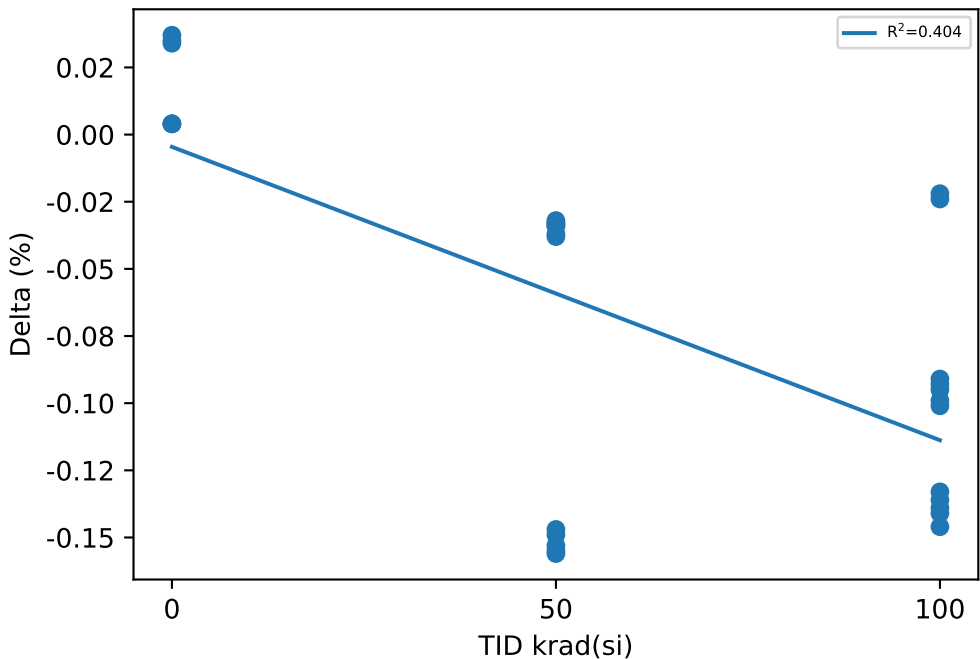
TID vs Result Stats



Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 2.465      | 2.469       | 0.004  |
| 201      | 0        | Correlation         | 2.447      | 2.451       | 0.004  |
| 202      | 0        | Correlation         | 2.451      | 2.455       | 0.004  |
| 203      | 50       | Biased              | 2.501      | 2.463       | -0.038 |
| 204      | 50       | Biased              | 2.464      | 2.427       | -0.037 |
| 205      | 50       | Biased              | 2.501      | 2.469       | -0.032 |
| 206      | 50       | Biased              | 2.446      | 2.412       | -0.034 |
| 207      | 50       | Biased              | 2.499      | 2.466       | -0.033 |
| 208      | 50       | Biased              | 2.46       | 2.426       | -0.034 |
| 209      | 50       | Unbiased            | 2.458      | 2.305       | -0.153 |
| 210      | 50       | Unbiased            | 2.456      | 2.309       | -0.147 |
| 211      | 50       | Unbiased            | 2.474      | 2.441       | -0.033 |
| 212      | 50       | Unbiased            | 2.429      | 2.28        | -0.149 |
| 213      | 50       | Unbiased            | 2.473      | 2.317       | -0.156 |
| 214      | 50       | Unbiased            | 2.451      | 2.296       | -0.155 |
| 1200     | 0        | Correlation         | 2.465      | 2.502       | 0.037  |
| 1201     | 0        | Correlation         | 2.447      | 2.482       | 0.035  |
| 1202     | 0        | Correlation         | 2.451      | 2.485       | 0.034  |
| 1203     | 100      | Biased              | 2.501      | 2.355       | -0.146 |
| 1204     | 100      | Biased              | 2.464      | 2.323       | -0.141 |
| 1205     | 100      | Biased              | 2.501      | 2.365       | -0.136 |
| 1206     | 100      | Biased              | 2.446      | 2.422       | -0.024 |
| 1207     | 100      | Biased              | 2.499      | 2.36        | -0.139 |
| 1208     | 100      | Biased              | 2.46       | 2.327       | -0.133 |
| 1209     | 100      | Unbiased            | 2.458      | 2.363       | -0.095 |
| 1210     | 100      | Unbiased            | 2.456      | 2.365       | -0.091 |
| 1211     | 100      | Unbiased            | 2.474      | 2.452       | -0.022 |
| 1212     | 100      | Unbiased            | 2.429      | 2.336       | -0.093 |
| 1213     | 100      | Unbiased            | 2.473      | 2.372       | -0.101 |
| 1214     | 100      | Unbiased            | 2.451      | 2.352       | -0.099 |

TID vs Post - Pre Exposure Delta

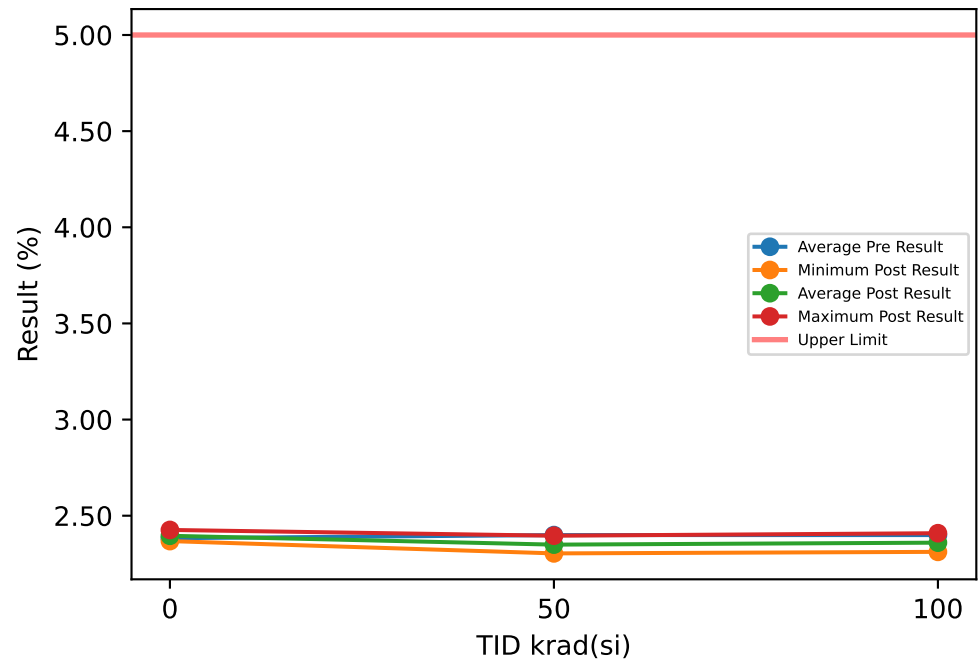


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 2.447            | 2.4543           | 2.465            | 0.0084538        | 2.451             | 2.474             | 2.502             | 0.019411          | 0.004     | 0.019667  | 0.037     | 0.017189  |
| 50       | 2.429            | 2.4677           | 2.501            | 0.022995         | 2.28              | 2.3843            | 2.469             | 0.075529          | -0.156    | -0.083417 | -0.032    | 0.060608  |
| 100      | 2.429            | 2.4677           | 2.501            | 0.022995         | 2.323             | 2.366             | 2.452             | 0.037175          | -0.146    | -0.10167  | -0.022    | 0.042305  |

Device Test: 6.74 ; VOL\_RESET\_2MA

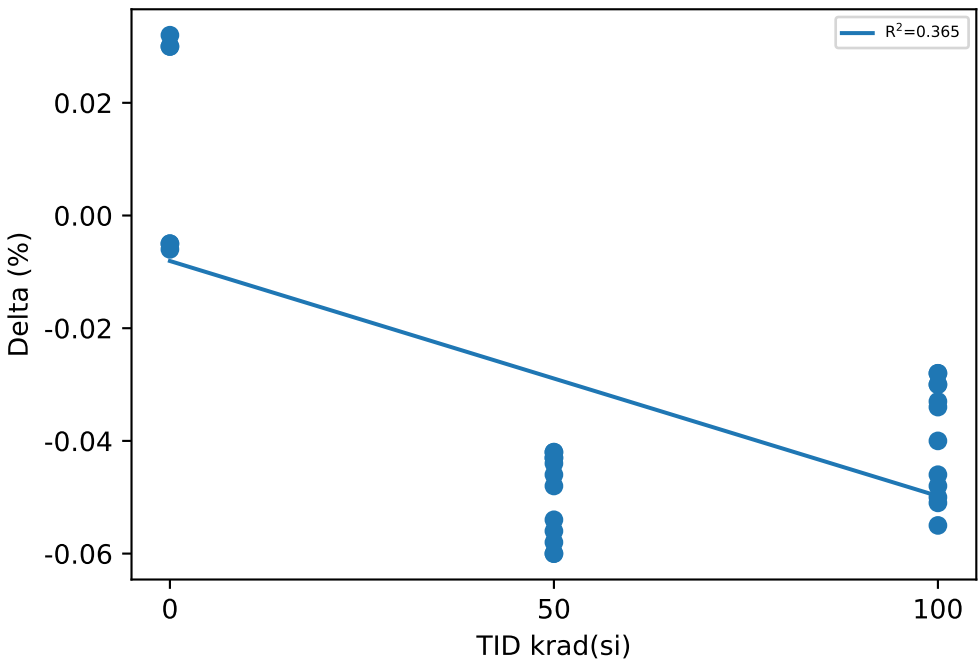
TID vs Result Stats



Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 2.394      | 2.388       | -0.006 |
| 201      | 0        | Correlation         | 2.373      | 2.368       | -0.005 |
| 202      | 0        | Correlation         | 2.382      | 2.377       | -0.005 |
| 203      | 50       | Biased              | 2.439      | 2.391       | -0.048 |
| 204      | 50       | Biased              | 2.386      | 2.34        | -0.046 |
| 205      | 50       | Biased              | 2.429      | 2.387       | -0.042 |
| 206      | 50       | Biased              | 2.381      | 2.338       | -0.043 |
| 207      | 50       | Biased              | 2.439      | 2.396       | -0.043 |
| 208      | 50       | Biased              | 2.381      | 2.339       | -0.042 |
| 209      | 50       | Unbiased            | 2.387      | 2.331       | -0.056 |
| 210      | 50       | Unbiased            | 2.388      | 2.334       | -0.054 |
| 211      | 50       | Unbiased            | 2.405      | 2.361       | -0.044 |
| 212      | 50       | Unbiased            | 2.362      | 2.304       | -0.058 |
| 213      | 50       | Unbiased            | 2.412      | 2.352       | -0.06  |
| 214      | 50       | Unbiased            | 2.382      | 2.322       | -0.06  |
| 1200     | 0        | Correlation         | 2.394      | 2.426       | 0.032  |
| 1201     | 0        | Correlation         | 2.373      | 2.403       | 0.03   |
| 1202     | 0        | Correlation         | 2.382      | 2.412       | 0.03   |
| 1203     | 100      | Biased              | 2.439      | 2.399       | -0.04  |
| 1204     | 100      | Biased              | 2.386      | 2.352       | -0.034 |
| 1205     | 100      | Biased              | 2.429      | 2.396       | -0.033 |
| 1206     | 100      | Biased              | 2.381      | 2.353       | -0.028 |
| 1207     | 100      | Biased              | 2.439      | 2.409       | -0.03  |
| 1208     | 100      | Biased              | 2.381      | 2.351       | -0.03  |
| 1209     | 100      | Unbiased            | 2.387      | 2.339       | -0.048 |
| 1210     | 100      | Unbiased            | 2.388      | 2.342       | -0.046 |
| 1211     | 100      | Unbiased            | 2.405      | 2.377       | -0.028 |
| 1212     | 100      | Unbiased            | 2.362      | 2.312       | -0.05  |
| 1213     | 100      | Unbiased            | 2.412      | 2.357       | -0.055 |
| 1214     | 100      | Unbiased            | 2.382      | 2.331       | -0.051 |

TID vs Post - Pre Exposure Delta

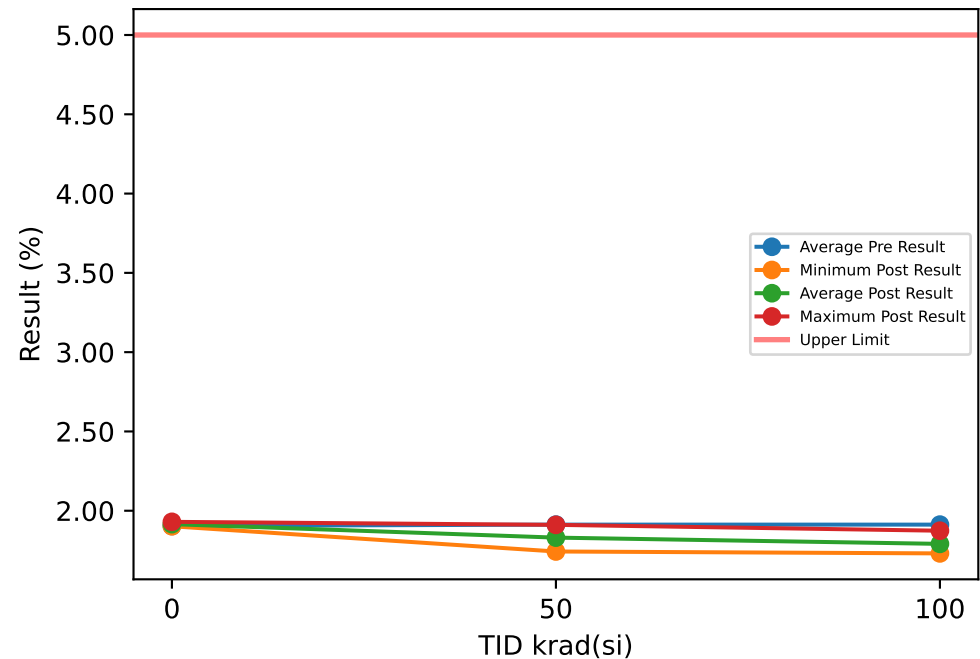


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 2.373            | 2.383            | 2.394            | 0.0094234        | 2.368             | 2.3957            | 2.426             | 0.02197           | -0.006    | 0.012667  | 0.032     | 0.019735  |
| 50       | 2.362            | 2.3992           | 2.439            | 0.025306         | 2.304             | 2.3496            | 2.396             | 0.028874          | -0.06     | -0.049667 | -0.042    | 0.0073649 |
| 100      | 2.362            | 2.3992           | 2.439            | 0.025306         | 2.312             | 2.3598            | 2.409             | 0.029572          | -0.055    | -0.039417 | -0.028    | 0.010068  |

Device Test: 6.75 ; VOL\_WDO\_2MA

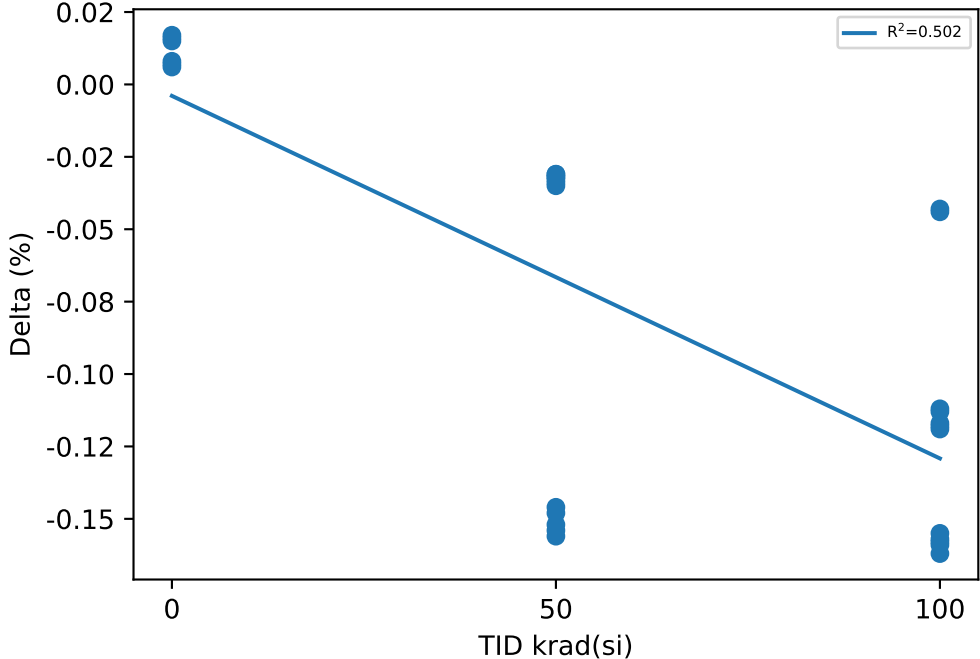
TID vs Result Stats



Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 1.913      | 1.92        | 0.007  |
| 201      | 0        | Correlation         | 1.894      | 1.902       | 0.008  |
| 202      | 0        | Correlation         | 1.905      | 1.911       | 0.006  |
| 203      | 50       | Biased              | 1.913      | 1.879       | -0.034 |
| 204      | 50       | Biased              | 1.89       | 1.855       | -0.035 |
| 205      | 50       | Biased              | 1.942      | 1.911       | -0.031 |
| 206      | 50       | Biased              | 1.917      | 1.884       | -0.033 |
| 207      | 50       | Biased              | 1.934      | 1.903       | -0.031 |
| 208      | 50       | Biased              | 1.916      | 1.884       | -0.032 |
| 209      | 50       | Unbiased            | 1.892      | 1.746       | -0.146 |
| 210      | 50       | Unbiased            | 1.902      | 1.754       | -0.148 |
| 211      | 50       | Unbiased            | 1.917      | 1.885       | -0.032 |
| 212      | 50       | Unbiased            | 1.895      | 1.743       | -0.152 |
| 213      | 50       | Unbiased            | 1.926      | 1.77        | -0.156 |
| 214      | 50       | Unbiased            | 1.906      | 1.752       | -0.154 |
| 1200     | 0        | Correlation         | 1.913      | 1.93        | 0.017  |
| 1201     | 0        | Correlation         | 1.894      | 1.91        | 0.016  |
| 1202     | 0        | Correlation         | 1.905      | 1.92        | 0.015  |
| 1203     | 100      | Biased              | 1.913      | 1.751       | -0.162 |
| 1204     | 100      | Biased              | 1.89       | 1.731       | -0.159 |
| 1205     | 100      | Biased              | 1.942      | 1.784       | -0.158 |
| 1206     | 100      | Biased              | 1.917      | 1.873       | -0.044 |
| 1207     | 100      | Biased              | 1.934      | 1.777       | -0.157 |
| 1208     | 100      | Biased              | 1.916      | 1.761       | -0.155 |
| 1209     | 100      | Unbiased            | 1.892      | 1.78        | -0.112 |
| 1210     | 100      | Unbiased            | 1.902      | 1.789       | -0.113 |
| 1211     | 100      | Unbiased            | 1.917      | 1.874       | -0.043 |
| 1212     | 100      | Unbiased            | 1.895      | 1.778       | -0.117 |
| 1213     | 100      | Unbiased            | 1.926      | 1.807       | -0.119 |
| 1214     | 100      | Unbiased            | 1.906      | 1.788       | -0.118 |

TID vs Post - Pre Exposure Delta

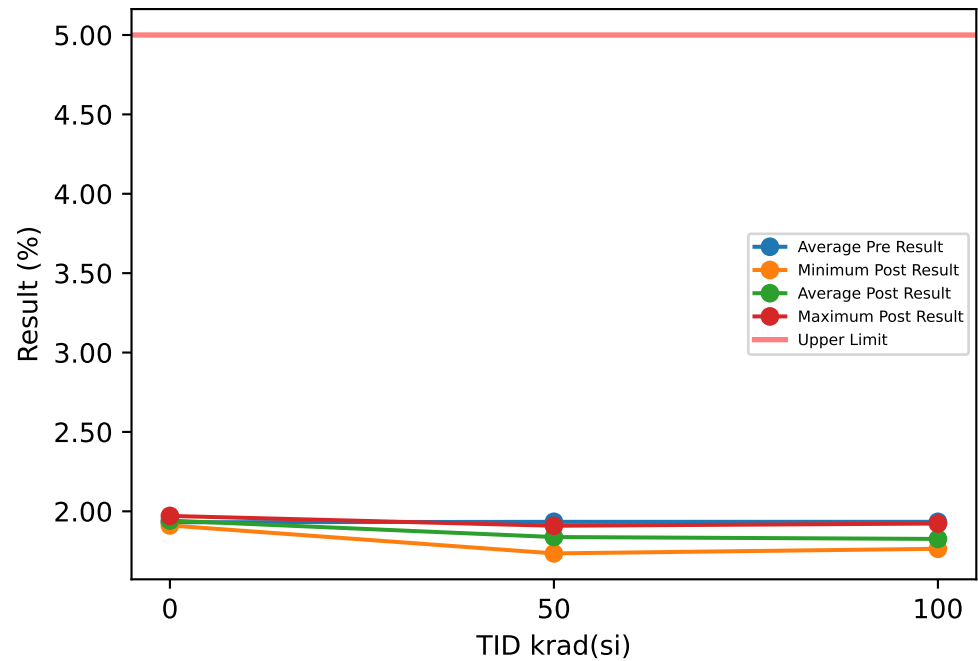


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 1.894            | 1.904            | 1.913            | 0.0085323        | 1.902             | 1.9155            | 1.93              | 0.0098336         | 0.006     | 0.0115    | 0.017     | 0.00501   |
| 50       | 1.89             | 1.9125           | 1.942            | 0.016385         | 1.743             | 1.8305            | 1.911             | 0.069971          | -0.156    | -0.082    | -0.031    | 0.061147  |
| 100      | 1.89             | 1.9125           | 1.942            | 0.016385         | 1.731             | 1.7911            | 1.874             | 0.043188          | -0.162    | -0.12142  | -0.043    | 0.041703  |

Device Test: 6.76 ; VOL\_PWRGD\_2MA

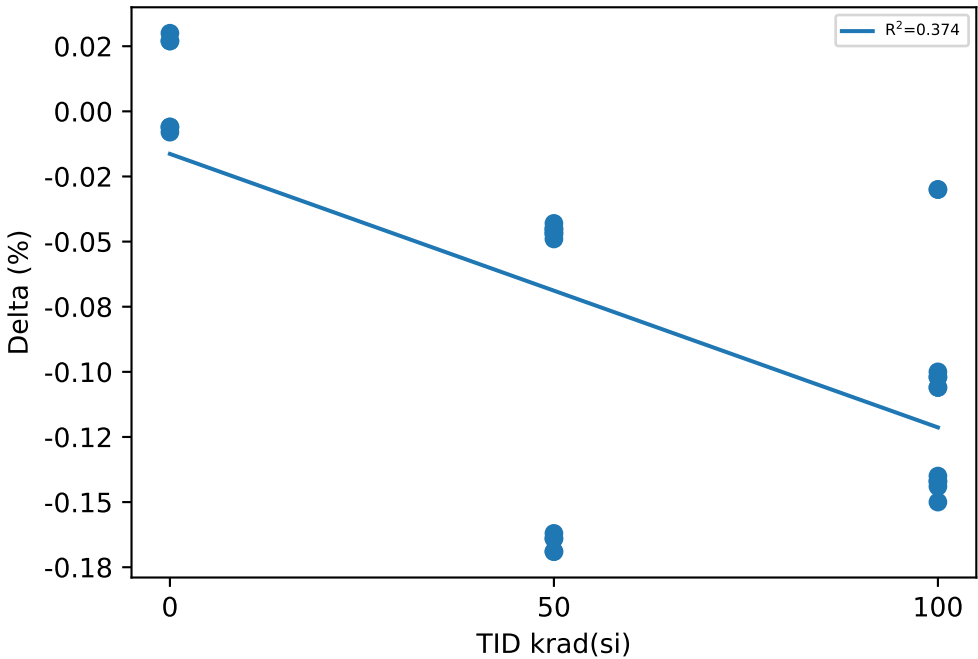
TID vs Result Stats



Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 1.941      | 1.935       | -0.006 |
| 201      | 0        | Correlation         | 1.919      | 1.911       | -0.008 |
| 202      | 0        | Correlation         | 1.933      | 1.927       | -0.006 |
| 203      | 50       | Biased              | 1.934      | 1.885       | -0.049 |
| 204      | 50       | Biased              | 1.906      | 1.859       | -0.047 |
| 205      | 50       | Biased              | 1.949      | 1.906       | -0.043 |
| 206      | 50       | Biased              | 1.946      | 1.9         | -0.046 |
| 207      | 50       | Biased              | 1.954      | 1.909       | -0.045 |
| 208      | 50       | Biased              | 1.928      | 1.883       | -0.045 |
| 209      | 50       | Unbiased            | 1.93       | 1.768       | -0.162 |
| 210      | 50       | Unbiased            | 1.931      | 1.767       | -0.164 |
| 211      | 50       | Unbiased            | 1.953      | 1.906       | -0.047 |
| 212      | 50       | Unbiased            | 1.899      | 1.735       | -0.164 |
| 213      | 50       | Unbiased            | 1.948      | 1.779       | -0.169 |
| 214      | 50       | Unbiased            | 1.929      | 1.76        | -0.169 |
| 1200     | 0        | Correlation         | 1.941      | 1.971       | 0.03   |
| 1201     | 0        | Correlation         | 1.919      | 1.946       | 0.027  |
| 1202     | 0        | Correlation         | 1.933      | 1.96        | 0.027  |
| 1203     | 100      | Biased              | 1.934      | 1.784       | -0.15  |
| 1204     | 100      | Biased              | 1.906      | 1.764       | -0.142 |
| 1205     | 100      | Biased              | 1.949      | 1.807       | -0.142 |
| 1206     | 100      | Biased              | 1.946      | 1.916       | -0.03  |
| 1207     | 100      | Biased              | 1.954      | 1.81        | -0.144 |
| 1208     | 100      | Biased              | 1.928      | 1.788       | -0.14  |
| 1209     | 100      | Unbiased            | 1.93       | 1.83        | -0.1   |
| 1210     | 100      | Unbiased            | 1.931      | 1.829       | -0.102 |
| 1211     | 100      | Unbiased            | 1.953      | 1.923       | -0.03  |
| 1212     | 100      | Unbiased            | 1.899      | 1.797       | -0.102 |
| 1213     | 100      | Unbiased            | 1.948      | 1.842       | -0.106 |
| 1214     | 100      | Unbiased            | 1.929      | 1.823       | -0.106 |

TID vs Post - Pre Exposure Delta

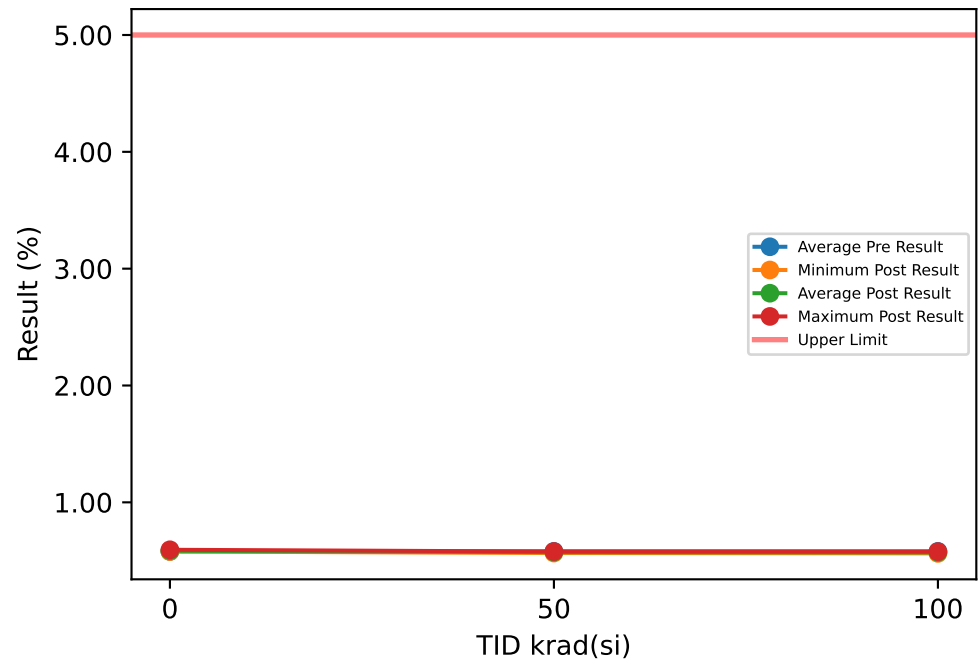


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 1.919            | 1.931            | 1.941            | 0.0099599        | 1.911             | 1.9417            | 1.971             | 0.021979          | -0.008    | 0.010667  | 0.03      | 0.019033  |
| 50       | 1.899            | 1.9339           | 1.954            | 0.017635         | 1.735             | 1.8381            | 1.909             | 0.069363          | -0.169    | -0.095833 | -0.043    | 0.061632  |
| 100      | 1.899            | 1.9339           | 1.954            | 0.017635         | 1.764             | 1.8261            | 1.923             | 0.048905          | -0.15     | -0.10783  | -0.03     | 0.04124   |

Device Test: 6.77 ; VOL\_RESET\_2MA

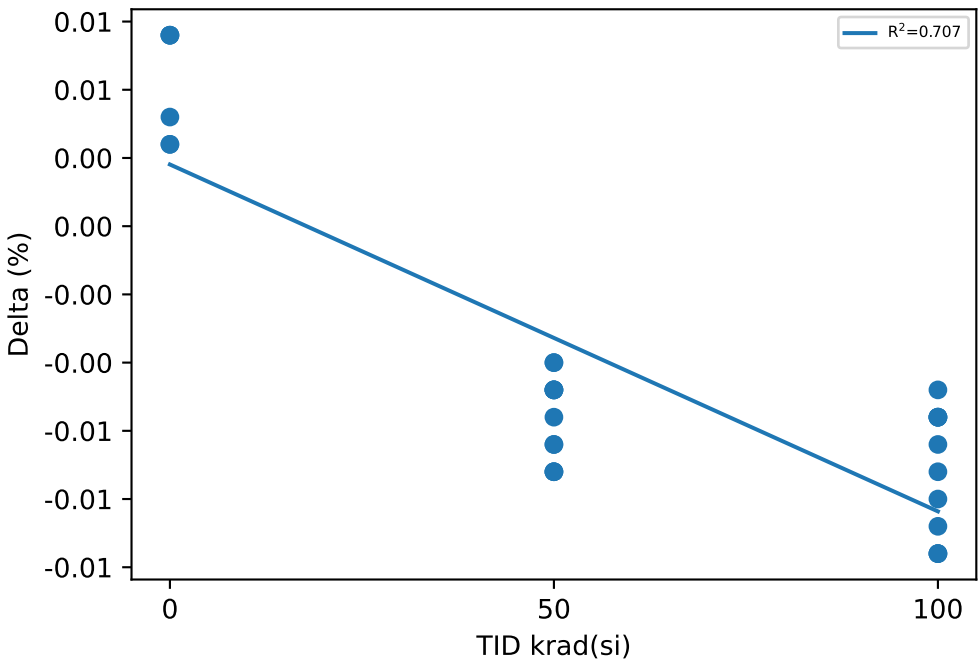
TID vs Result Stats



Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.578      | 0.581       | 0.003  |
| 201      | 0        | Correlation         | 0.575      | 0.579       | 0.004  |
| 202      | 0        | Correlation         | 0.587      | 0.59        | 0.003  |
| 203      | 50       | Biased              | 0.583      | 0.576       | -0.007 |
| 204      | 50       | Biased              | 0.58       | 0.574       | -0.006 |
| 205      | 50       | Biased              | 0.581      | 0.576       | -0.005 |
| 206      | 50       | Biased              | 0.58       | 0.574       | -0.006 |
| 207      | 50       | Biased              | 0.585      | 0.579       | -0.006 |
| 208      | 50       | Biased              | 0.582      | 0.576       | -0.006 |
| 209      | 50       | Unbiased            | 0.578      | 0.57        | -0.008 |
| 210      | 50       | Unbiased            | 0.575      | 0.567       | -0.008 |
| 211      | 50       | Unbiased            | 0.582      | 0.577       | -0.005 |
| 212      | 50       | Unbiased            | 0.575      | 0.566       | -0.009 |
| 213      | 50       | Unbiased            | 0.581      | 0.572       | -0.009 |
| 214      | 50       | Unbiased            | 0.584      | 0.575       | -0.009 |
| 1200     | 0        | Correlation         | 0.578      | 0.585       | 0.007  |
| 1201     | 0        | Correlation         | 0.575      | 0.582       | 0.007  |
| 1202     | 0        | Correlation         | 0.587      | 0.594       | 0.007  |
| 1203     | 100      | Biased              | 0.583      | 0.574       | -0.009 |
| 1204     | 100      | Biased              | 0.58       | 0.572       | -0.008 |
| 1205     | 100      | Biased              | 0.581      | 0.574       | -0.007 |
| 1206     | 100      | Biased              | 0.58       | 0.573       | -0.007 |
| 1207     | 100      | Biased              | 0.585      | 0.578       | -0.007 |
| 1208     | 100      | Biased              | 0.582      | 0.575       | -0.007 |
| 1209     | 100      | Unbiased            | 0.578      | 0.567       | -0.011 |
| 1210     | 100      | Unbiased            | 0.575      | 0.565       | -0.01  |
| 1211     | 100      | Unbiased            | 0.582      | 0.576       | -0.006 |
| 1212     | 100      | Unbiased            | 0.575      | 0.563       | -0.012 |
| 1213     | 100      | Unbiased            | 0.581      | 0.569       | -0.012 |
| 1214     | 100      | Unbiased            | 0.584      | 0.572       | -0.012 |

TID vs Post - Pre Exposure Delta



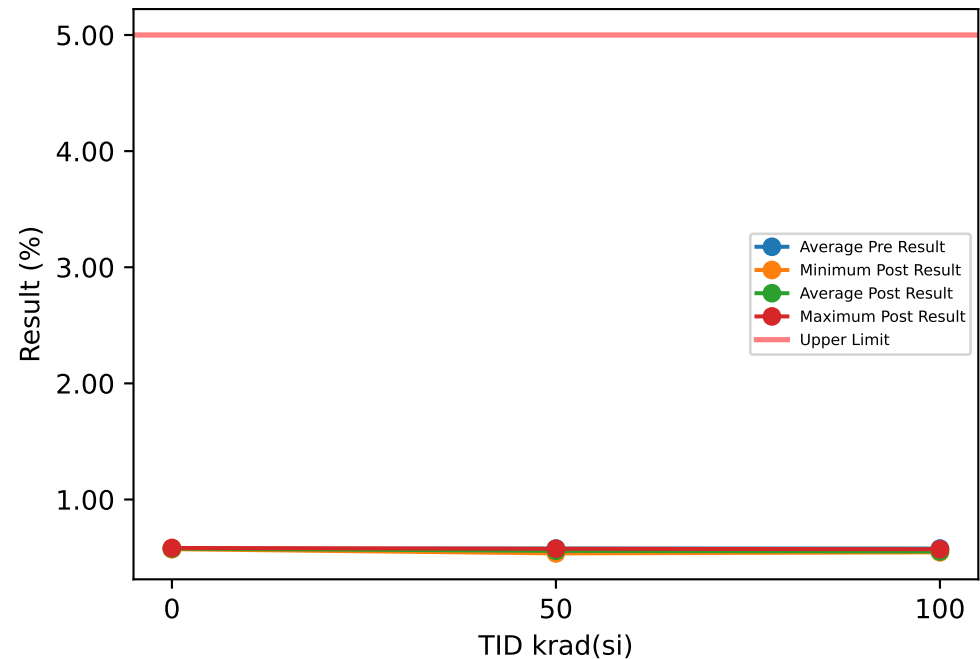
Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 0.575            | 0.58             | 0.587            | 0.0055857        | 0.579             | 0.58517           | 0.594             | 0.0057764         | 0.003     | 0.0051667 | 0.007     | 0.0020412 |
| 50       | 0.575            | 0.5805           | 0.585            | 0.0031766        | 0.566             | 0.5735            | 0.579             | 0.0040113         | -0.009    | -0.007    | -0.005    | 0.0015374 |
| 100      | 0.575            | 0.5805           | 0.585            | 0.0031766        | 0.563             | 0.5715            | 0.578             | 0.0045826         | -0.012    | -0.009    | -0.006    | 0.0022962 |



Device Test: 6.78 ; VOL\_RESET\_2MA

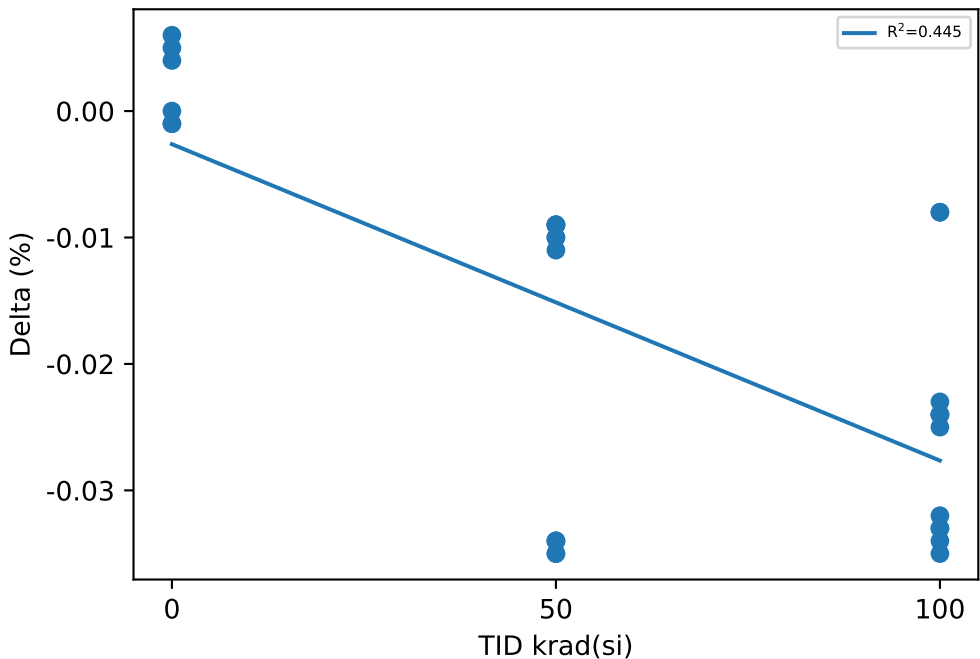
TID vs Result Stats



Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.577      | 0.577       | 0      |
| 201      | 0        | Correlation         | 0.573      | 0.572       | -0.001 |
| 202      | 0        | Correlation         | 0.575      | 0.574       | -0.001 |
| 203      | 50       | Biased              | 0.582      | 0.572       | -0.01  |
| 204      | 50       | Biased              | 0.58       | 0.569       | -0.011 |
| 205      | 50       | Biased              | 0.585      | 0.576       | -0.009 |
| 206      | 50       | Biased              | 0.573      | 0.564       | -0.009 |
| 207      | 50       | Biased              | 0.584      | 0.575       | -0.009 |
| 208      | 50       | Biased              | 0.577      | 0.567       | -0.01  |
| 209      | 50       | Unbiased            | 0.572      | 0.538       | -0.034 |
| 210      | 50       | Unbiased            | 0.577      | 0.543       | -0.034 |
| 211      | 50       | Unbiased            | 0.58       | 0.571       | -0.009 |
| 212      | 50       | Unbiased            | 0.57       | 0.536       | -0.034 |
| 213      | 50       | Unbiased            | 0.579      | 0.544       | -0.035 |
| 214      | 50       | Unbiased            | 0.575      | 0.54        | -0.035 |
| 1200     | 0        | Correlation         | 0.577      | 0.583       | 0.006  |
| 1201     | 0        | Correlation         | 0.573      | 0.578       | 0.005  |
| 1202     | 0        | Correlation         | 0.575      | 0.579       | 0.004  |
| 1203     | 100      | Biased              | 0.582      | 0.548       | -0.034 |
| 1204     | 100      | Biased              | 0.58       | 0.545       | -0.035 |
| 1205     | 100      | Biased              | 0.585      | 0.552       | -0.033 |
| 1206     | 100      | Biased              | 0.573      | 0.565       | -0.008 |
| 1207     | 100      | Biased              | 0.584      | 0.551       | -0.033 |
| 1208     | 100      | Biased              | 0.577      | 0.545       | -0.032 |
| 1209     | 100      | Unbiased            | 0.572      | 0.548       | -0.024 |
| 1210     | 100      | Unbiased            | 0.577      | 0.554       | -0.023 |
| 1211     | 100      | Unbiased            | 0.58       | 0.572       | -0.008 |
| 1212     | 100      | Unbiased            | 0.57       | 0.546       | -0.024 |
| 1213     | 100      | Unbiased            | 0.579      | 0.554       | -0.025 |
| 1214     | 100      | Unbiased            | 0.575      | 0.551       | -0.024 |

TID vs Post - Pre Exposure Delta

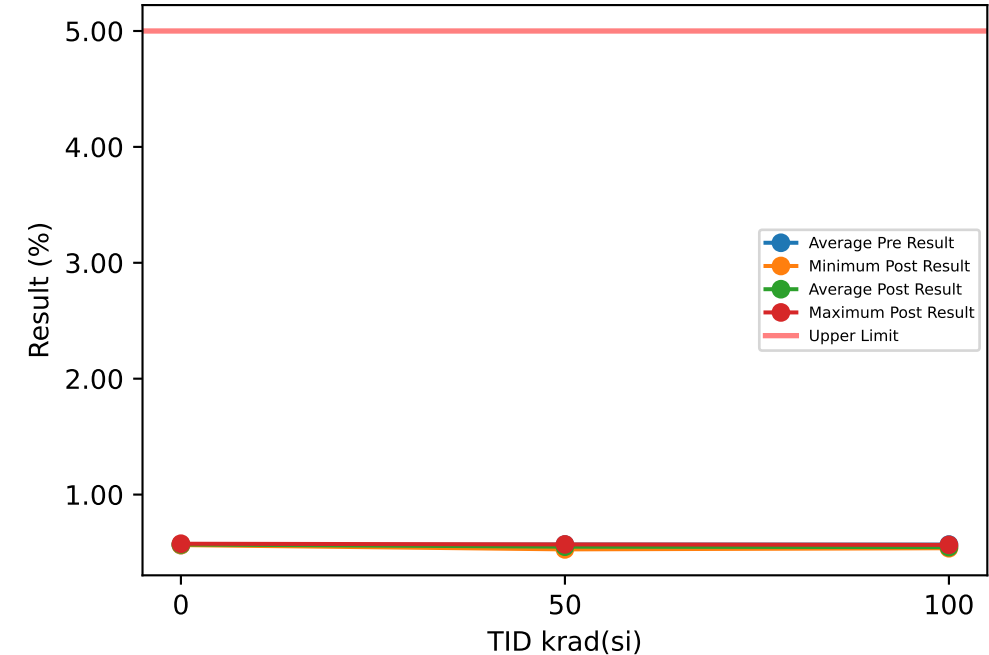


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 0.573            | 0.575            | 0.577            | 0.0017889        | 0.572             | 0.57717           | 0.583             | 0.0038687         | -0.001    | 0.0021667 | 0.006     | 0.0031885 |
| 50       | 0.57             | 0.57783          | 0.585            | 0.0047258        | 0.536             | 0.55792           | 0.576             | 0.016082          | -0.035    | -0.019917 | -0.009    | 0.012802  |
| 100      | 0.57             | 0.57783          | 0.585            | 0.0047258        | 0.545             | 0.55258           | 0.572             | 0.0082071         | -0.035    | -0.02525  | -0.008    | 0.0092552 |

Device Test: 6.79 ; VOL\_RESET\_2MA

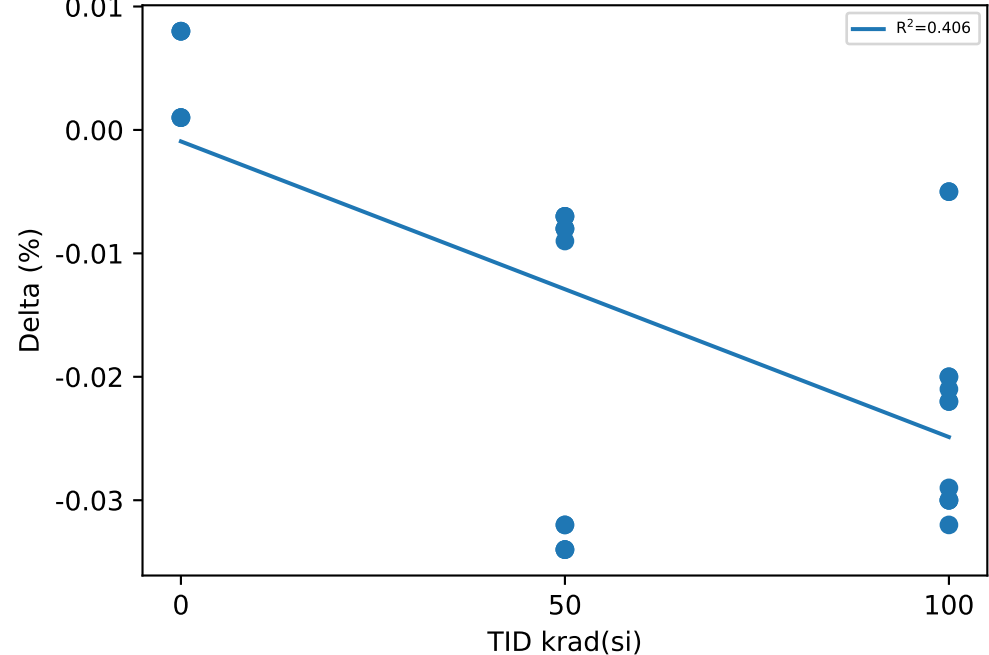
TID vs Result Stats



Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.568      | 0.569       | 0.001  |
| 201      | 0        | Correlation         | 0.563      | 0.564       | 0.001  |
| 202      | 0        | Correlation         | 0.564      | 0.565       | 0.001  |
| 203      | 50       | Biased              | 0.576      | 0.567       | -0.009 |
| 204      | 50       | Biased              | 0.567      | 0.559       | -0.008 |
| 205      | 50       | Biased              | 0.577      | 0.57        | -0.007 |
| 206      | 50       | Biased              | 0.564      | 0.557       | -0.007 |
| 207      | 50       | Biased              | 0.576      | 0.568       | -0.008 |
| 208      | 50       | Biased              | 0.567      | 0.559       | -0.008 |
| 209      | 50       | Unbiased            | 0.566      | 0.532       | -0.034 |
| 210      | 50       | Unbiased            | 0.566      | 0.534       | -0.032 |
| 211      | 50       | Unbiased            | 0.571      | 0.564       | -0.007 |
| 212      | 50       | Unbiased            | 0.559      | 0.527       | -0.032 |
| 213      | 50       | Unbiased            | 0.571      | 0.537       | -0.034 |
| 214      | 50       | Unbiased            | 0.565      | 0.531       | -0.034 |
| 1200     | 0        | Correlation         | 0.568      | 0.576       | 0.008  |
| 1201     | 0        | Correlation         | 0.563      | 0.571       | 0.008  |
| 1202     | 0        | Correlation         | 0.564      | 0.572       | 0.008  |
| 1203     | 100      | Biased              | 0.576      | 0.544       | -0.032 |
| 1204     | 100      | Biased              | 0.567      | 0.537       | -0.03  |
| 1205     | 100      | Biased              | 0.577      | 0.547       | -0.03  |
| 1206     | 100      | Biased              | 0.564      | 0.559       | -0.005 |
| 1207     | 100      | Biased              | 0.576      | 0.546       | -0.03  |
| 1208     | 100      | Biased              | 0.567      | 0.538       | -0.029 |
| 1209     | 100      | Unbiased            | 0.566      | 0.545       | -0.021 |
| 1210     | 100      | Unbiased            | 0.566      | 0.546       | -0.02  |
| 1211     | 100      | Unbiased            | 0.571      | 0.566       | -0.005 |
| 1212     | 100      | Unbiased            | 0.559      | 0.539       | -0.02  |
| 1213     | 100      | Unbiased            | 0.571      | 0.549       | -0.022 |
| 1214     | 100      | Unbiased            | 0.565      | 0.543       | -0.022 |

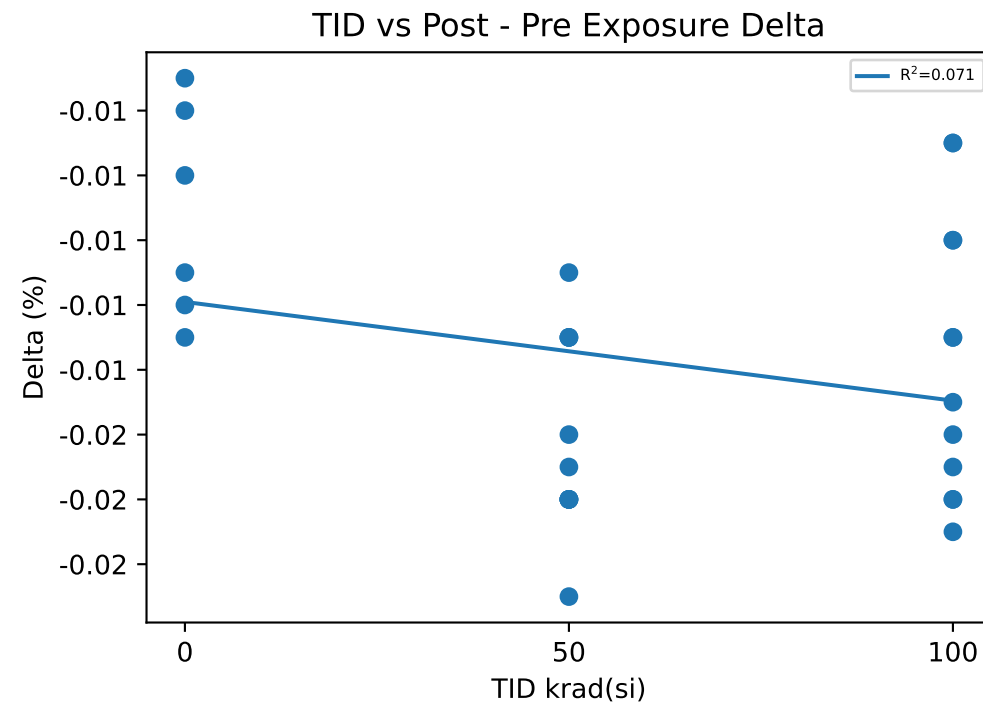
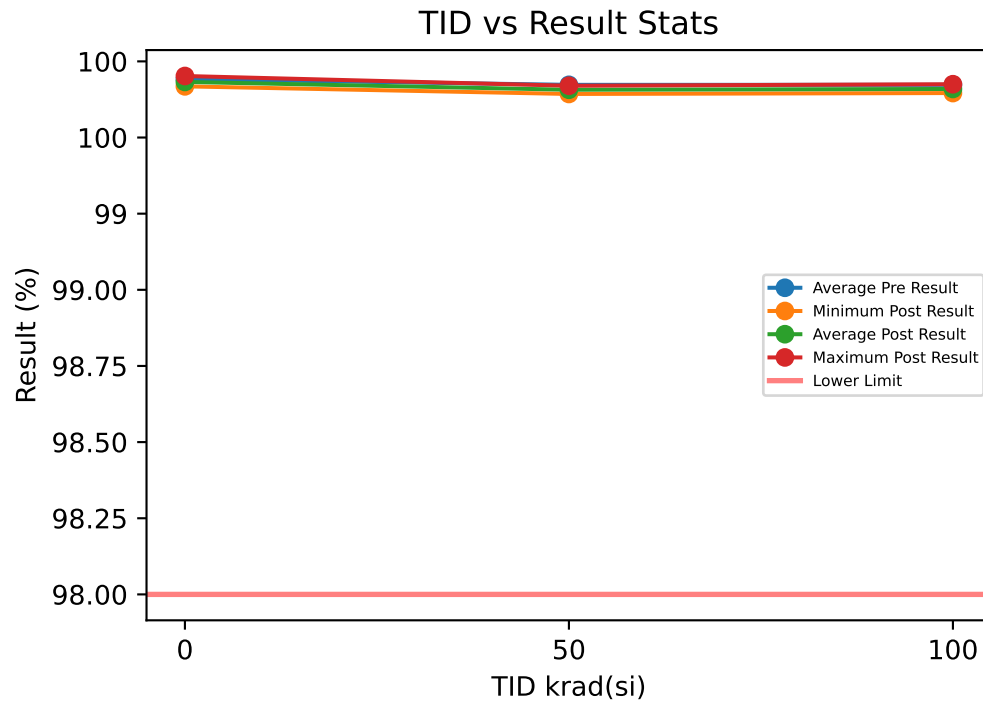
TID vs Post - Pre Exposure Delta



Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 0.563            | 0.565            | 0.568            | 0.0023664        | 0.564             | 0.5695            | 0.576             | 0.0045056         | 0.001     | 0.0045    | 0.008     | 0.0038341 |
| 50       | 0.559            | 0.56875          | 0.577            | 0.0055288        | 0.527             | 0.55042           | 0.57              | 0.01667           | -0.034    | -0.018333 | -0.007    | 0.013152  |
| 100      | 0.559            | 0.56875          | 0.577            | 0.0055288        | 0.537             | 0.54658           | 0.566             | 0.0084365         | -0.032    | -0.022167 | -0.005    | 0.0091833 |

Device Test: 6.8 ; VLDO\_DO



Test Results (Lower Limit = 98.0 (%))

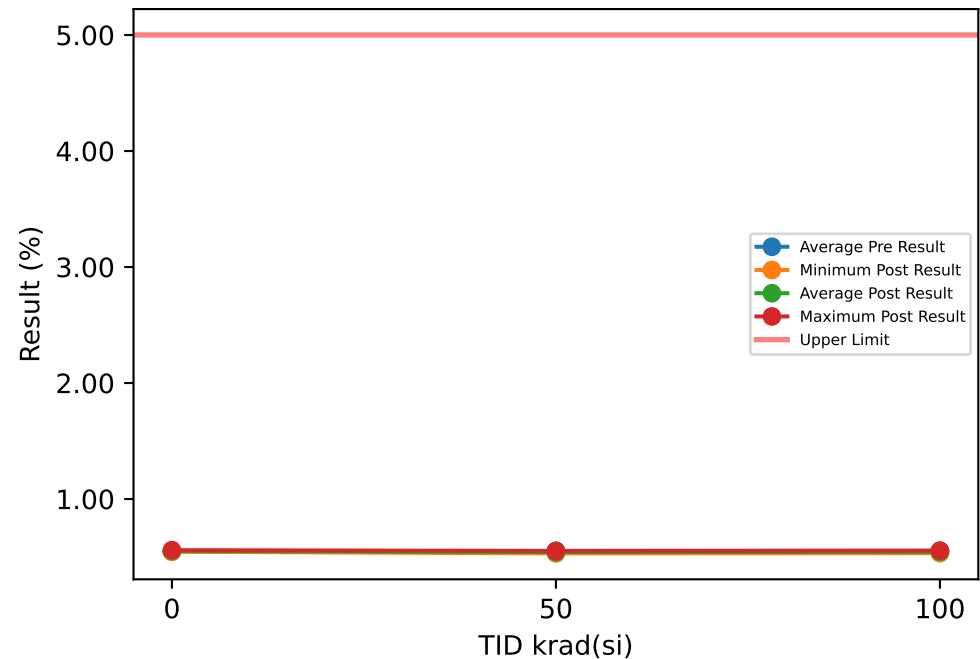
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 99.68      | 99.668      | -0.012 |
| 201      | 0        | Correlation         | 99.707     | 99.696      | -0.011 |
| 202      | 0        | Correlation         | 99.688     | 99.675      | -0.013 |
| 203      | 50       | Biased              | 99.667     | 99.656      | -0.011 |
| 204      | 50       | Biased              | 99.678     | 99.665      | -0.013 |
| 205      | 50       | Biased              | 99.677     | 99.661      | -0.016 |
| 206      | 50       | Biased              | 99.667     | 99.649      | -0.018 |
| 207      | 50       | Biased              | 99.676     | 99.658      | -0.018 |
| 208      | 50       | Biased              | 99.669     | 99.656      | -0.013 |
| 209      | 50       | Unbiased            | 99.679     | 99.661      | -0.018 |
| 210      | 50       | Unbiased            | 99.664     | 99.643      | -0.021 |
| 211      | 50       | Unbiased            | 99.677     | 99.659      | -0.018 |
| 212      | 50       | Unbiased            | 99.688     | 99.67       | -0.018 |
| 213      | 50       | Unbiased            | 99.675     | 99.658      | -0.017 |
| 214      | 50       | Unbiased            | 99.659     | 99.646      | -0.013 |
| 1200     | 0        | Correlation         | 99.68      | 99.672      | -0.008 |
| 1201     | 0        | Correlation         | 99.707     | 99.702      | -0.005 |
| 1202     | 0        | Correlation         | 99.688     | 99.682      | -0.006 |
| 1203     | 100      | Biased              | 99.667     | 99.657      | -0.01  |
| 1204     | 100      | Biased              | 99.678     | 99.671      | -0.007 |
| 1205     | 100      | Biased              | 99.677     | 99.667      | -0.01  |
| 1206     | 100      | Biased              | 99.667     | 99.649      | -0.018 |
| 1207     | 100      | Biased              | 99.676     | 99.658      | -0.018 |
| 1208     | 100      | Biased              | 99.669     | 99.662      | -0.007 |
| 1209     | 100      | Unbiased            | 99.679     | 99.662      | -0.017 |
| 1210     | 100      | Unbiased            | 99.664     | 99.649      | -0.015 |
| 1211     | 100      | Unbiased            | 99.677     | 99.658      | -0.019 |
| 1212     | 100      | Unbiased            | 99.688     | 99.675      | -0.013 |
| 1213     | 100      | Unbiased            | 99.675     | 99.659      | -0.016 |
| 1214     | 100      | Unbiased            | 99.659     | 99.646      | -0.013 |

### Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 99.68            | 99.692           | 99.707           | 0.012404         | 99.668            | 99.683            | 99.702            | 0.013708          | -0.013    | -0.0091667 | -0.005    | 0.0033116 |
| 50       | 99.659           | 99.673           | 99.688           | 0.0079544        | 99.643            | 99.657            | 99.67             | 0.0077087         | -0.021    | -0.016167  | -0.011    | 0.0029797 |
| 100      | 99.659           | 99.673           | 99.688           | 0.0079544        | 99.646            | 99.659            | 99.675            | 0.0088159         | -0.019    | -0.013583  | -0.007    | 0.0042738 |

Device Test: 6.80 ; VOL\_RESET\_2MA

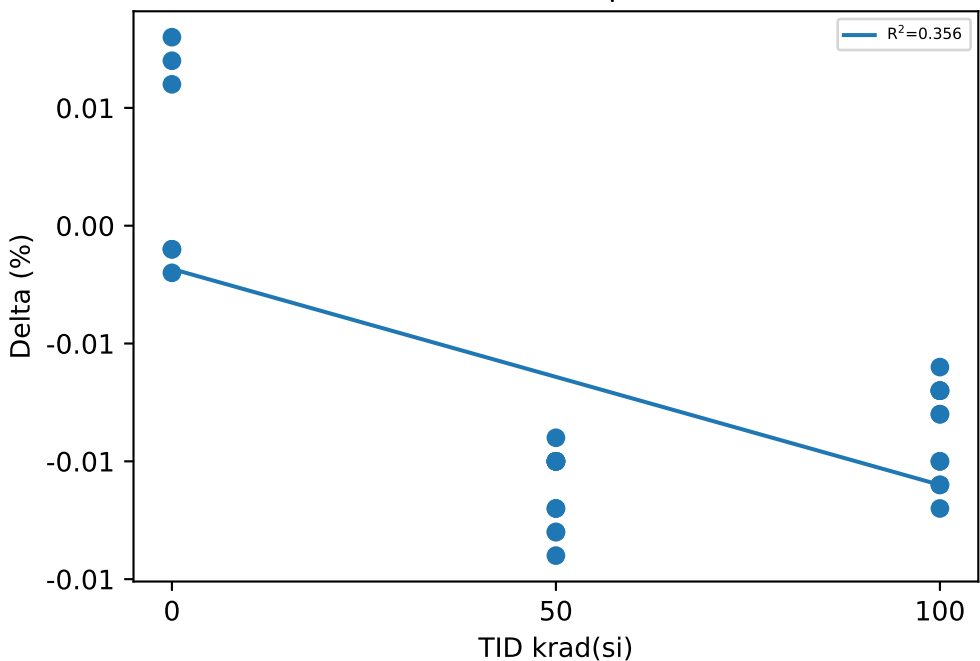
TID vs Result Stats



Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.551      | 0.55        | -0.001 |
| 201      | 0        | Correlation         | 0.546      | 0.545       | -0.001 |
| 202      | 0        | Correlation         | 0.549      | 0.547       | -0.002 |
| 203      | 50       | Biased              | 0.561      | 0.551       | -0.01  |
| 204      | 50       | Biased              | 0.549      | 0.539       | -0.01  |
| 205      | 50       | Biased              | 0.56       | 0.551       | -0.009 |
| 206      | 50       | Biased              | 0.55       | 0.54        | -0.01  |
| 207      | 50       | Biased              | 0.562      | 0.552       | -0.01  |
| 208      | 50       | Biased              | 0.549      | 0.539       | -0.01  |
| 209      | 50       | Unbiased            | 0.549      | 0.537       | -0.012 |
| 210      | 50       | Unbiased            | 0.55       | 0.538       | -0.012 |
| 211      | 50       | Unbiased            | 0.555      | 0.545       | -0.01  |
| 212      | 50       | Unbiased            | 0.544      | 0.531       | -0.013 |
| 213      | 50       | Unbiased            | 0.557      | 0.543       | -0.014 |
| 214      | 50       | Unbiased            | 0.549      | 0.536       | -0.013 |
| 1200     | 0        | Correlation         | 0.551      | 0.559       | 0.008  |
| 1201     | 0        | Correlation         | 0.546      | 0.553       | 0.007  |
| 1202     | 0        | Correlation         | 0.549      | 0.555       | 0.006  |
| 1203     | 100      | Biased              | 0.561      | 0.553       | -0.008 |
| 1204     | 100      | Biased              | 0.549      | 0.542       | -0.007 |
| 1205     | 100      | Biased              | 0.56       | 0.552       | -0.008 |
| 1206     | 100      | Biased              | 0.55       | 0.543       | -0.007 |
| 1207     | 100      | Biased              | 0.562      | 0.555       | -0.007 |
| 1208     | 100      | Biased              | 0.549      | 0.542       | -0.007 |
| 1209     | 100      | Unbiased            | 0.549      | 0.539       | -0.01  |
| 1210     | 100      | Unbiased            | 0.55       | 0.54        | -0.01  |
| 1211     | 100      | Unbiased            | 0.555      | 0.549       | -0.006 |
| 1212     | 100      | Unbiased            | 0.544      | 0.533       | -0.011 |
| 1213     | 100      | Unbiased            | 0.557      | 0.545       | -0.012 |
| 1214     | 100      | Unbiased            | 0.549      | 0.538       | -0.011 |

TID vs Post - Pre Exposure Delta

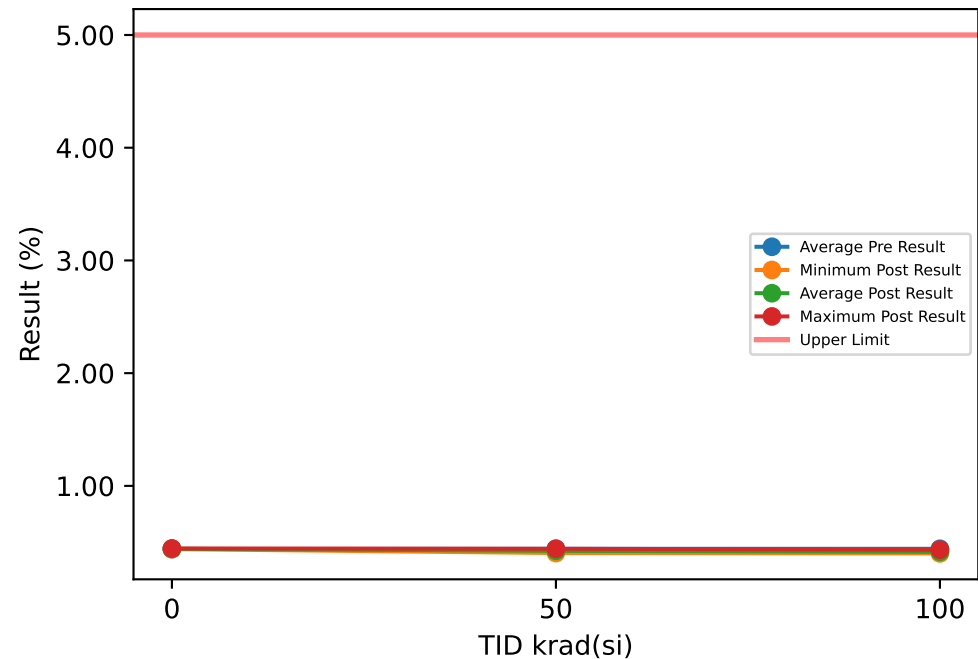


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 0.546            | 0.54867          | 0.551            | 0.0022509        | 0.545             | 0.5515            | 0.559             | 0.0052058         | -0.002    | 0.0028333  | 0.008     | 0.0046224 |
| 50       | 0.544            | 0.55292          | 0.562            | 0.0058536        | 0.531             | 0.54183           | 0.552             | 0.0066856         | -0.014    | -0.011083  | -0.009    | 0.0016214 |
| 100      | 0.544            | 0.55292          | 0.562            | 0.0058536        | 0.533             | 0.54425           | 0.555             | 0.0067302         | -0.012    | -0.0086667 | -0.006    | 0.0020151 |

Device Test: 6.81 ; VOL\_WDO\_2MA

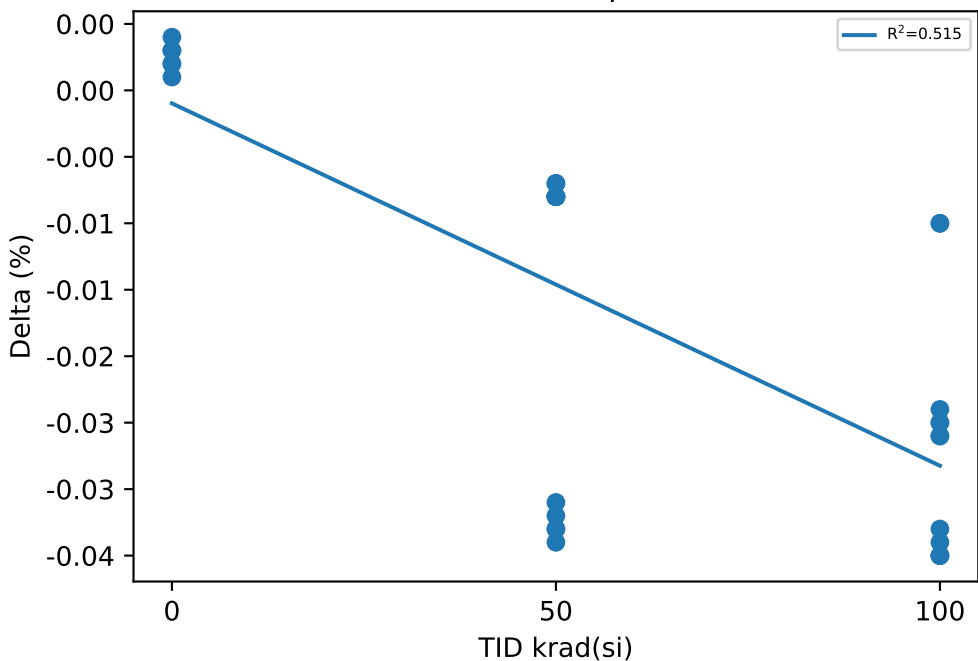
TID vs Result Stats



Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.441      | 0.443       | 0.002  |
| 201      | 0        | Correlation         | 0.437      | 0.439       | 0.002  |
| 202      | 0        | Correlation         | 0.44       | 0.441       | 0.001  |
| 203      | 50       | Biased              | 0.441      | 0.433       | -0.008 |
| 204      | 50       | Biased              | 0.436      | 0.428       | -0.008 |
| 205      | 50       | Biased              | 0.449      | 0.442       | -0.007 |
| 206      | 50       | Biased              | 0.444      | 0.436       | -0.008 |
| 207      | 50       | Biased              | 0.447      | 0.439       | -0.008 |
| 208      | 50       | Biased              | 0.442      | 0.435       | -0.007 |
| 209      | 50       | Unbiased            | 0.437      | 0.405       | -0.032 |
| 210      | 50       | Unbiased            | 0.439      | 0.408       | -0.031 |
| 211      | 50       | Unbiased            | 0.444      | 0.436       | -0.008 |
| 212      | 50       | Unbiased            | 0.437      | 0.404       | -0.033 |
| 213      | 50       | Unbiased            | 0.446      | 0.412       | -0.034 |
| 214      | 50       | Unbiased            | 0.44       | 0.407       | -0.033 |
| 1200     | 0        | Correlation         | 0.441      | 0.445       | 0.004  |
| 1201     | 0        | Correlation         | 0.437      | 0.44        | 0.003  |
| 1202     | 0        | Correlation         | 0.44       | 0.443       | 0.003  |
| 1203     | 100      | Biased              | 0.441      | 0.406       | -0.035 |
| 1204     | 100      | Biased              | 0.436      | 0.401       | -0.035 |
| 1205     | 100      | Biased              | 0.449      | 0.414       | -0.035 |
| 1206     | 100      | Biased              | 0.444      | 0.434       | -0.01  |
| 1207     | 100      | Biased              | 0.447      | 0.413       | -0.034 |
| 1208     | 100      | Biased              | 0.442      | 0.409       | -0.033 |
| 1209     | 100      | Unbiased            | 0.437      | 0.412       | -0.025 |
| 1210     | 100      | Unbiased            | 0.439      | 0.415       | -0.024 |
| 1211     | 100      | Unbiased            | 0.444      | 0.434       | -0.01  |
| 1212     | 100      | Unbiased            | 0.437      | 0.412       | -0.025 |
| 1213     | 100      | Unbiased            | 0.446      | 0.42        | -0.026 |
| 1214     | 100      | Unbiased            | 0.44       | 0.414       | -0.026 |

TID vs Post - Pre Exposure Delta

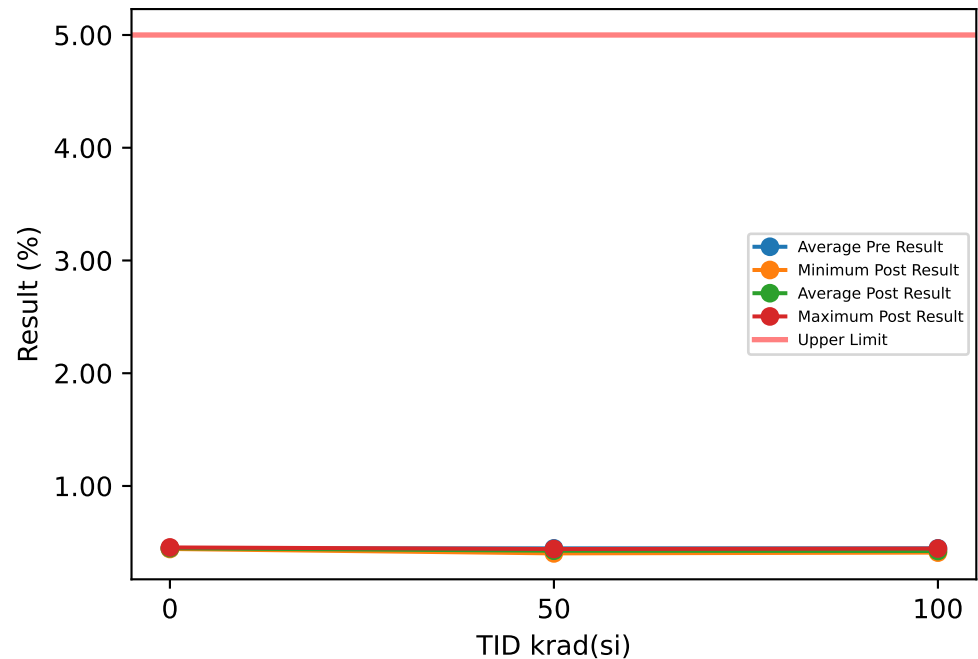


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 0.437            | 0.43933          | 0.441            | 0.0018619        | 0.439             | 0.44183           | 0.445             | 0.0022286         | 0.001     | 0.0025    | 0.004     | 0.0010488 |
| 50       | 0.436            | 0.44183          | 0.449            | 0.0042391        | 0.404             | 0.42375           | 0.442             | 0.015088          | -0.034    | -0.018083 | -0.007    | 0.012838  |
| 100      | 0.436            | 0.44183          | 0.449            | 0.0042391        | 0.401             | 0.41533           | 0.434             | 0.0099209         | -0.035    | -0.0265   | -0.01     | 0.0088984 |

Device Test: 6.82 ; VOL\_PWRGD\_2MA

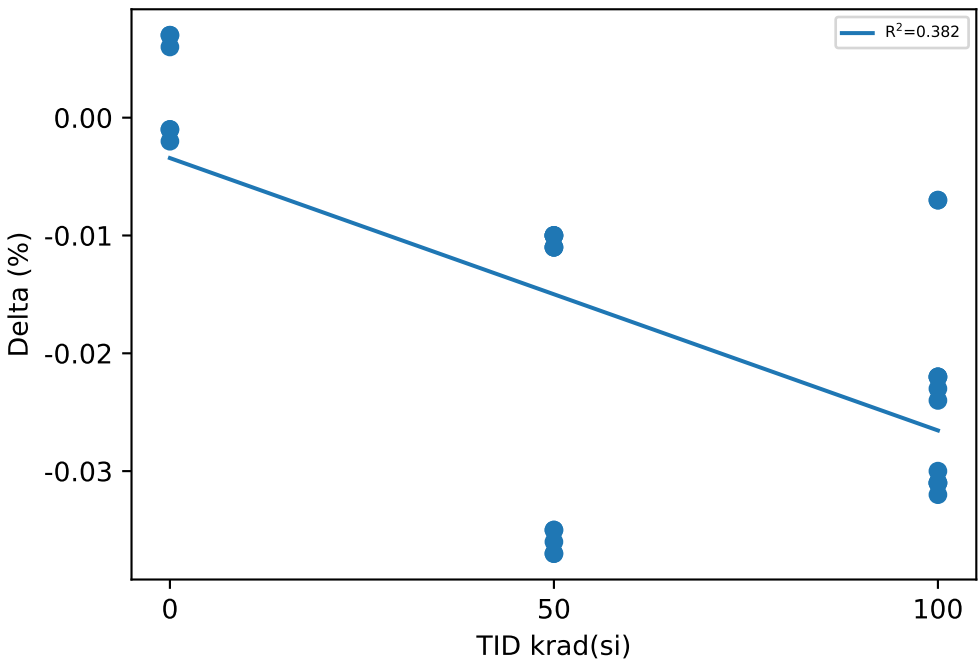
TID vs Result Stats



Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.448      | 0.446       | -0.002 |
| 201      | 0        | Correlation         | 0.442      | 0.441       | -0.001 |
| 202      | 0        | Correlation         | 0.446      | 0.445       | -0.001 |
| 203      | 50       | Biased              | 0.445      | 0.435       | -0.01  |
| 204      | 50       | Biased              | 0.44       | 0.429       | -0.011 |
| 205      | 50       | Biased              | 0.451      | 0.44        | -0.011 |
| 206      | 50       | Biased              | 0.45       | 0.44        | -0.01  |
| 207      | 50       | Biased              | 0.451      | 0.441       | -0.01  |
| 208      | 50       | Biased              | 0.445      | 0.435       | -0.01  |
| 209      | 50       | Unbiased            | 0.446      | 0.411       | -0.035 |
| 210      | 50       | Unbiased            | 0.446      | 0.411       | -0.035 |
| 211      | 50       | Unbiased            | 0.452      | 0.441       | -0.011 |
| 212      | 50       | Unbiased            | 0.438      | 0.402       | -0.036 |
| 213      | 50       | Unbiased            | 0.451      | 0.414       | -0.037 |
| 214      | 50       | Unbiased            | 0.446      | 0.409       | -0.037 |
| 1200     | 0        | Correlation         | 0.448      | 0.455       | 0.007  |
| 1201     | 0        | Correlation         | 0.442      | 0.449       | 0.007  |
| 1202     | 0        | Correlation         | 0.446      | 0.452       | 0.006  |
| 1203     | 100      | Biased              | 0.445      | 0.413       | -0.032 |
| 1204     | 100      | Biased              | 0.44       | 0.409       | -0.031 |
| 1205     | 100      | Biased              | 0.451      | 0.42        | -0.031 |
| 1206     | 100      | Biased              | 0.45       | 0.443       | -0.007 |
| 1207     | 100      | Biased              | 0.451      | 0.42        | -0.031 |
| 1208     | 100      | Biased              | 0.445      | 0.415       | -0.03  |
| 1209     | 100      | Unbiased            | 0.446      | 0.424       | -0.022 |
| 1210     | 100      | Unbiased            | 0.446      | 0.424       | -0.022 |
| 1211     | 100      | Unbiased            | 0.452      | 0.445       | -0.007 |
| 1212     | 100      | Unbiased            | 0.438      | 0.416       | -0.022 |
| 1213     | 100      | Unbiased            | 0.451      | 0.428       | -0.023 |
| 1214     | 100      | Unbiased            | 0.446      | 0.422       | -0.024 |

TID vs Post - Pre Exposure Delta



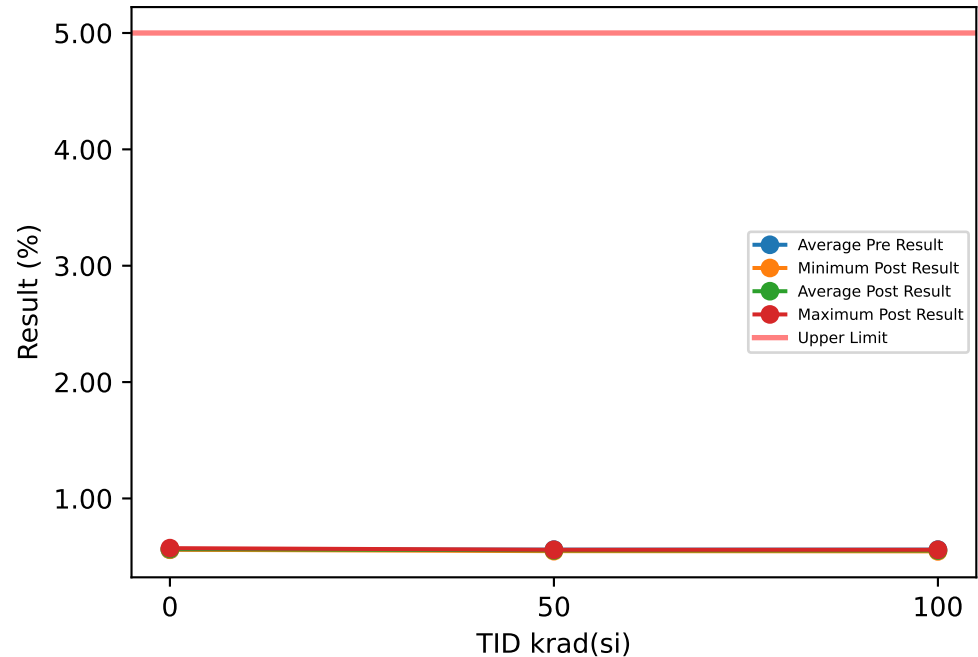
Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 0.442            | 0.44533          | 0.448            | 0.0027325        | 0.441             | 0.448             | 0.455             | 0.0050596         | -0.002    | 0.0026667 | 0.007     | 0.0044121 |
| 50       | 0.438            | 0.44675          | 0.452            | 0.0044949        | 0.402             | 0.42567           | 0.441             | 0.014987          | -0.037    | -0.021083 | -0.01     | 0.013187  |
| 100      | 0.438            | 0.44675          | 0.452            | 0.0044949        | 0.409             | 0.42325           | 0.445             | 0.01103           | -0.032    | -0.0235   | -0.007    | 0.0087126 |



Device Test: 6.83 ; VOL\_RESET\_2MA

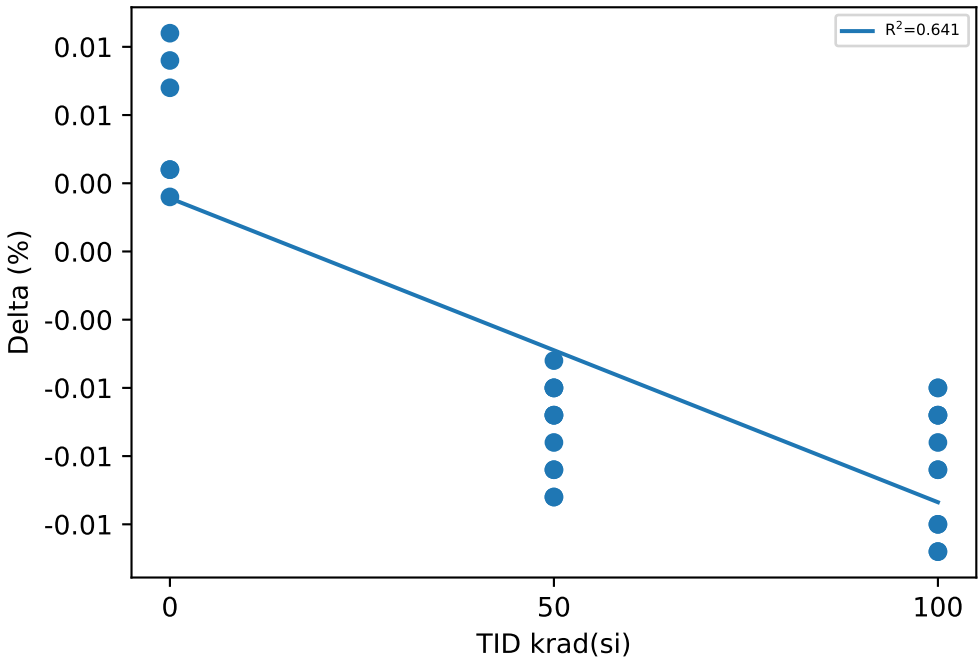
TID vs Result Stats



Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.557      | 0.56        | 0.003  |
| 201      | 0        | Correlation         | 0.556      | 0.559       | 0.003  |
| 202      | 0        | Correlation         | 0.567      | 0.569       | 0.002  |
| 203      | 50       | Biased              | 0.563      | 0.557       | -0.006 |
| 204      | 50       | Biased              | 0.561      | 0.555       | -0.006 |
| 205      | 50       | Biased              | 0.561      | 0.557       | -0.004 |
| 206      | 50       | Biased              | 0.56       | 0.554       | -0.006 |
| 207      | 50       | Biased              | 0.564      | 0.559       | -0.005 |
| 208      | 50       | Biased              | 0.562      | 0.557       | -0.005 |
| 209      | 50       | Unbiased            | 0.559      | 0.551       | -0.008 |
| 210      | 50       | Unbiased            | 0.555      | 0.548       | -0.007 |
| 211      | 50       | Unbiased            | 0.561      | 0.556       | -0.005 |
| 212      | 50       | Unbiased            | 0.555      | 0.547       | -0.008 |
| 213      | 50       | Unbiased            | 0.56       | 0.551       | -0.009 |
| 214      | 50       | Unbiased            | 0.563      | 0.554       | -0.009 |
| 1200     | 0        | Correlation         | 0.557      | 0.565       | 0.008  |
| 1201     | 0        | Correlation         | 0.556      | 0.563       | 0.007  |
| 1202     | 0        | Correlation         | 0.567      | 0.573       | 0.006  |
| 1203     | 100      | Biased              | 0.563      | 0.555       | -0.008 |
| 1204     | 100      | Biased              | 0.561      | 0.554       | -0.007 |
| 1205     | 100      | Biased              | 0.561      | 0.555       | -0.006 |
| 1206     | 100      | Biased              | 0.56       | 0.554       | -0.006 |
| 1207     | 100      | Biased              | 0.564      | 0.559       | -0.005 |
| 1208     | 100      | Biased              | 0.562      | 0.556       | -0.006 |
| 1209     | 100      | Unbiased            | 0.559      | 0.549       | -0.01  |
| 1210     | 100      | Unbiased            | 0.555      | 0.547       | -0.008 |
| 1211     | 100      | Unbiased            | 0.561      | 0.556       | -0.005 |
| 1212     | 100      | Unbiased            | 0.555      | 0.545       | -0.01  |
| 1213     | 100      | Unbiased            | 0.56       | 0.549       | -0.011 |
| 1214     | 100      | Unbiased            | 0.563      | 0.552       | -0.011 |

TID vs Post - Pre Exposure Delta

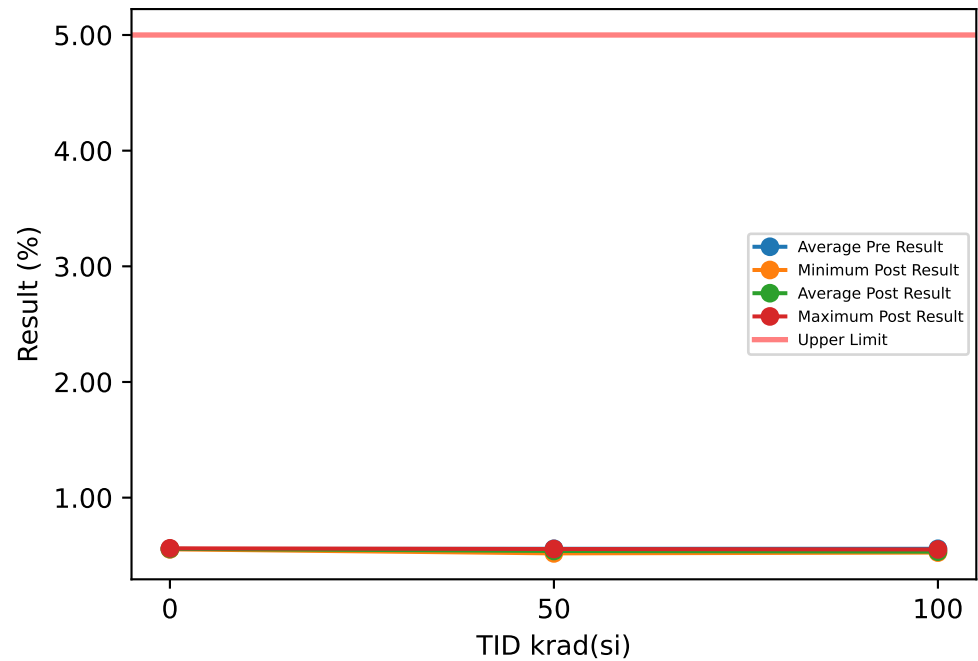


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 0.556            | 0.56             | 0.567            | 0.0054406        | 0.559             | 0.56483           | 0.573             | 0.0053821         | 0.002     | 0.0048333 | 0.008     | 0.0024833 |
| 50       | 0.555            | 0.56033          | 0.564            | 0.002871         | 0.547             | 0.55383           | 0.559             | 0.0038099         | -0.009    | -0.0065   | -0.004    | 0.0016787 |
| 100      | 0.555            | 0.56033          | 0.564            | 0.002871         | 0.545             | 0.55258           | 0.559             | 0.0042095         | -0.011    | -0.00775  | -0.005    | 0.0022613 |

Device Test: 6.84 ; VOL\_RESET\_2MA

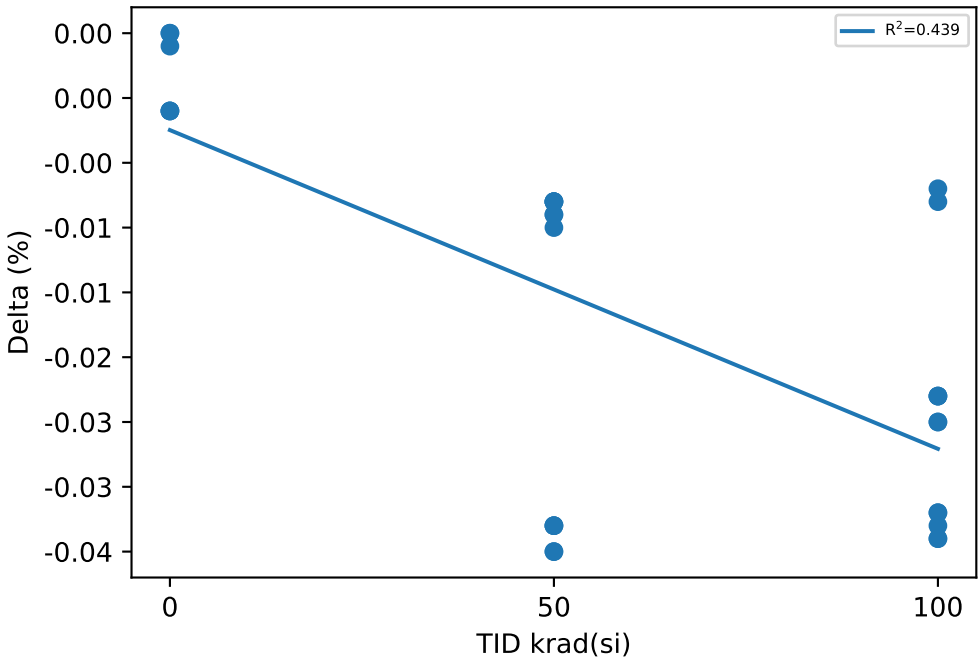
TID vs Result Stats



Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.557      | 0.556       | -0.001 |
| 201      | 0        | Correlation         | 0.554      | 0.553       | -0.001 |
| 202      | 0        | Correlation         | 0.556      | 0.555       | -0.001 |
| 203      | 50       | Biased              | 0.563      | 0.553       | -0.01  |
| 204      | 50       | Biased              | 0.56       | 0.551       | -0.009 |
| 205      | 50       | Biased              | 0.564      | 0.556       | -0.008 |
| 206      | 50       | Biased              | 0.553      | 0.545       | -0.008 |
| 207      | 50       | Biased              | 0.564      | 0.556       | -0.008 |
| 208      | 50       | Biased              | 0.557      | 0.549       | -0.008 |
| 209      | 50       | Unbiased            | 0.553      | 0.52        | -0.033 |
| 210      | 50       | Unbiased            | 0.558      | 0.525       | -0.033 |
| 211      | 50       | Unbiased            | 0.559      | 0.55        | -0.009 |
| 212      | 50       | Unbiased            | 0.551      | 0.518       | -0.033 |
| 213      | 50       | Unbiased            | 0.558      | 0.523       | -0.035 |
| 214      | 50       | Unbiased            | 0.556      | 0.521       | -0.035 |
| 1200     | 0        | Correlation         | 0.557      | 0.562       | 0.005  |
| 1201     | 0        | Correlation         | 0.554      | 0.559       | 0.005  |
| 1202     | 0        | Correlation         | 0.556      | 0.56        | 0.004  |
| 1203     | 100      | Biased              | 0.563      | 0.529       | -0.034 |
| 1204     | 100      | Biased              | 0.56       | 0.526       | -0.034 |
| 1205     | 100      | Biased              | 0.564      | 0.532       | -0.032 |
| 1206     | 100      | Biased              | 0.553      | 0.545       | -0.008 |
| 1207     | 100      | Biased              | 0.564      | 0.531       | -0.033 |
| 1208     | 100      | Biased              | 0.557      | 0.525       | -0.032 |
| 1209     | 100      | Unbiased            | 0.553      | 0.53        | -0.023 |
| 1210     | 100      | Unbiased            | 0.558      | 0.535       | -0.023 |
| 1211     | 100      | Unbiased            | 0.559      | 0.552       | -0.007 |
| 1212     | 100      | Unbiased            | 0.551      | 0.528       | -0.023 |
| 1213     | 100      | Unbiased            | 0.558      | 0.533       | -0.025 |
| 1214     | 100      | Unbiased            | 0.556      | 0.531       | -0.025 |

TID vs Post - Pre Exposure Delta

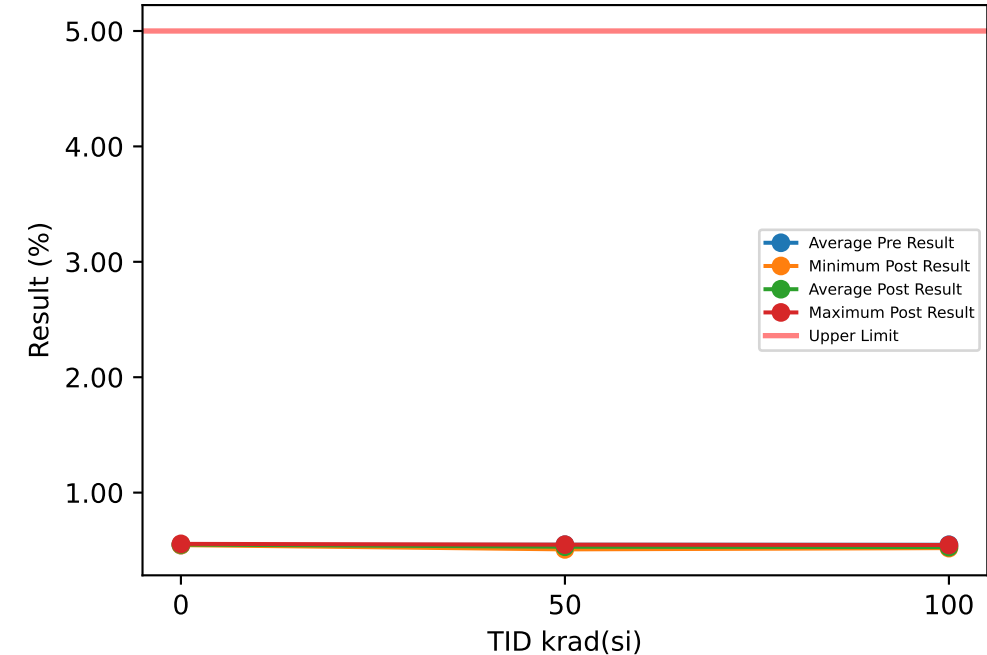


Test Statistics (%)

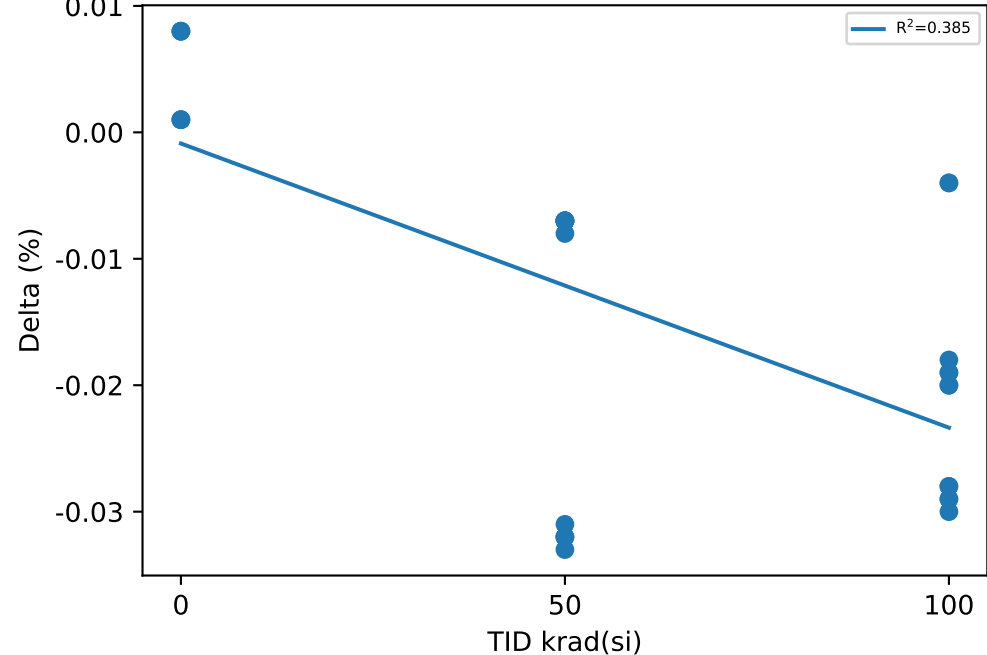
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 0.554            | 0.55567          | 0.557            | 0.0013663        | 0.553             | 0.5575            | 0.562             | 0.0033912         | -0.001    | 0.0018333 | 0.005     | 0.0031252 |
| 50       | 0.551            | 0.558            | 0.564            | 0.0043275        | 0.518             | 0.53892           | 0.556             | 0.01582           | -0.035    | -0.019083 | -0.008    | 0.013021  |
| 100      | 0.551            | 0.558            | 0.564            | 0.0043275        | 0.525             | 0.53308           | 0.552             | 0.0078678         | -0.034    | -0.024917 | -0.007    | 0.0092879 |

Device Test: 6.85 ; VOL\_RESET\_2MA

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 5.0 (%))

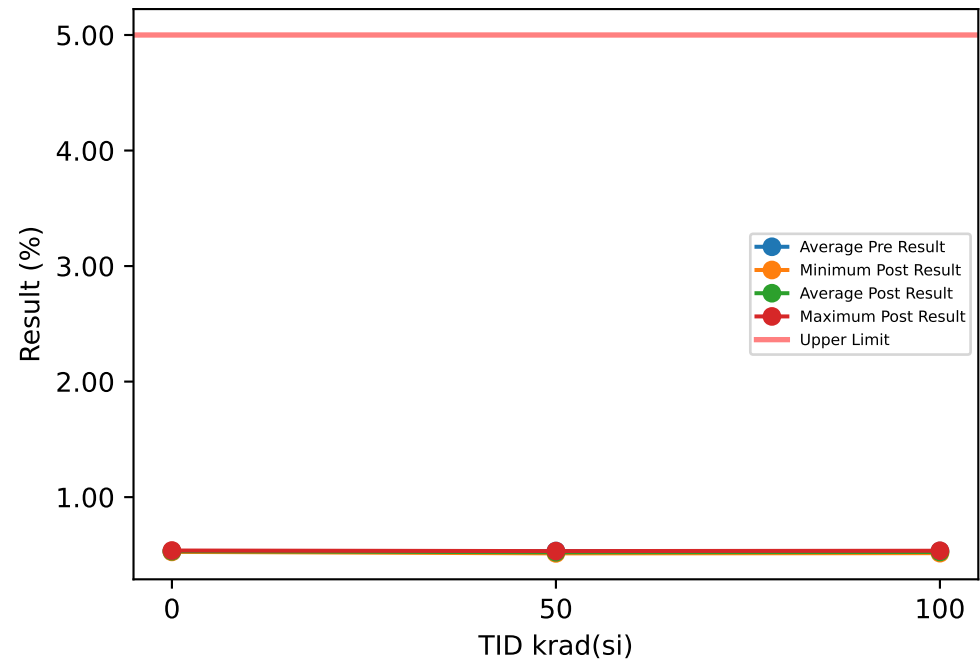
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.548      | 0.549       | 0.001  |
| 201      | 0        | Correlation         | 0.544      | 0.545       | 0.001  |
| 202      | 0        | Correlation         | 0.545      | 0.546       | 0.001  |
| 203      | 50       | Biased              | 0.555      | 0.548       | -0.007 |
| 204      | 50       | Biased              | 0.548      | 0.54        | -0.008 |
| 205      | 50       | Biased              | 0.556      | 0.549       | -0.007 |
| 206      | 50       | Biased              | 0.544      | 0.537       | -0.007 |
| 207      | 50       | Biased              | 0.555      | 0.548       | -0.007 |
| 208      | 50       | Biased              | 0.547      | 0.54        | -0.007 |
| 209      | 50       | Unbiased            | 0.546      | 0.514       | -0.032 |
| 210      | 50       | Unbiased            | 0.546      | 0.515       | -0.031 |
| 211      | 50       | Unbiased            | 0.55       | 0.543       | -0.007 |
| 212      | 50       | Unbiased            | 0.54       | 0.508       | -0.032 |
| 213      | 50       | Unbiased            | 0.549      | 0.517       | -0.032 |
| 214      | 50       | Unbiased            | 0.545      | 0.512       | -0.033 |
| 1200     | 0        | Correlation         | 0.548      | 0.556       | 0.008  |
| 1201     | 0        | Correlation         | 0.544      | 0.552       | 0.008  |
| 1202     | 0        | Correlation         | 0.545      | 0.553       | 0.008  |
| 1203     | 100      | Biased              | 0.555      | 0.525       | -0.03  |
| 1204     | 100      | Biased              | 0.548      | 0.519       | -0.029 |
| 1205     | 100      | Biased              | 0.556      | 0.528       | -0.028 |
| 1206     | 100      | Biased              | 0.544      | 0.54        | -0.004 |
| 1207     | 100      | Biased              | 0.555      | 0.526       | -0.029 |
| 1208     | 100      | Biased              | 0.547      | 0.519       | -0.028 |
| 1209     | 100      | Unbiased            | 0.546      | 0.527       | -0.019 |
| 1210     | 100      | Unbiased            | 0.546      | 0.528       | -0.018 |
| 1211     | 100      | Unbiased            | 0.55       | 0.546       | -0.004 |
| 1212     | 100      | Unbiased            | 0.54       | 0.521       | -0.019 |
| 1213     | 100      | Unbiased            | 0.549      | 0.529       | -0.02  |
| 1214     | 100      | Unbiased            | 0.545      | 0.525       | -0.02  |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 0.544            | 0.54567          | 0.548            | 0.0018619        | 0.545             | 0.55017           | 0.556             | 0.0042622         | 0.001     | 0.0045    | 0.008     | 0.0038341 |
| 50       | 0.54             | 0.54842          | 0.556            | 0.0048889        | 0.508             | 0.53092           | 0.549             | 0.016167          | -0.033    | -0.0175   | -0.007    | 0.01281   |
| 100      | 0.54             | 0.54842          | 0.556            | 0.0048889        | 0.519             | 0.52775           | 0.546             | 0.0079901         | -0.03     | -0.020667 | -0.004    | 0.0090587 |

Device Test: 6.86 ; VOL\_RESET\_2MA

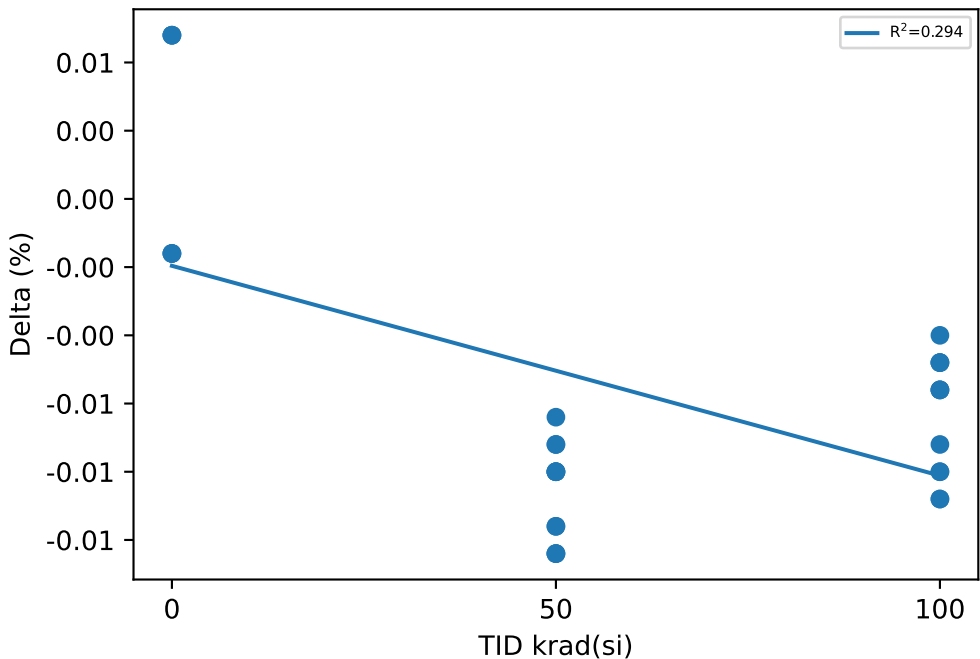
TID vs Result Stats



Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.532      | 0.53        | -0.002 |
| 201      | 0        | Correlation         | 0.528      | 0.526       | -0.002 |
| 202      | 0        | Correlation         | 0.53       | 0.528       | -0.002 |
| 203      | 50       | Biased              | 0.541      | 0.531       | -0.01  |
| 204      | 50       | Biased              | 0.531      | 0.521       | -0.01  |
| 205      | 50       | Biased              | 0.539      | 0.531       | -0.008 |
| 206      | 50       | Biased              | 0.53       | 0.52        | -0.01  |
| 207      | 50       | Biased              | 0.542      | 0.533       | -0.009 |
| 208      | 50       | Biased              | 0.53       | 0.52        | -0.01  |
| 209      | 50       | Unbiased            | 0.531      | 0.518       | -0.013 |
| 210      | 50       | Unbiased            | 0.531      | 0.519       | -0.012 |
| 211      | 50       | Unbiased            | 0.534      | 0.525       | -0.009 |
| 212      | 50       | Unbiased            | 0.525      | 0.513       | -0.012 |
| 213      | 50       | Unbiased            | 0.536      | 0.523       | -0.013 |
| 214      | 50       | Unbiased            | 0.53       | 0.517       | -0.013 |
| 1200     | 0        | Correlation         | 0.532      | 0.538       | 0.006  |
| 1201     | 0        | Correlation         | 0.528      | 0.534       | 0.006  |
| 1202     | 0        | Correlation         | 0.53       | 0.536       | 0.006  |
| 1203     | 100      | Biased              | 0.541      | 0.534       | -0.007 |
| 1204     | 100      | Biased              | 0.531      | 0.524       | -0.007 |
| 1205     | 100      | Biased              | 0.539      | 0.533       | -0.006 |
| 1206     | 100      | Biased              | 0.53       | 0.524       | -0.006 |
| 1207     | 100      | Biased              | 0.542      | 0.536       | -0.006 |
| 1208     | 100      | Biased              | 0.53       | 0.523       | -0.007 |
| 1209     | 100      | Unbiased            | 0.531      | 0.521       | -0.01  |
| 1210     | 100      | Unbiased            | 0.531      | 0.522       | -0.009 |
| 1211     | 100      | Unbiased            | 0.534      | 0.529       | -0.005 |
| 1212     | 100      | Unbiased            | 0.525      | 0.515       | -0.01  |
| 1213     | 100      | Unbiased            | 0.536      | 0.525       | -0.011 |
| 1214     | 100      | Unbiased            | 0.53       | 0.519       | -0.011 |

TID vs Post - Pre Exposure Delta

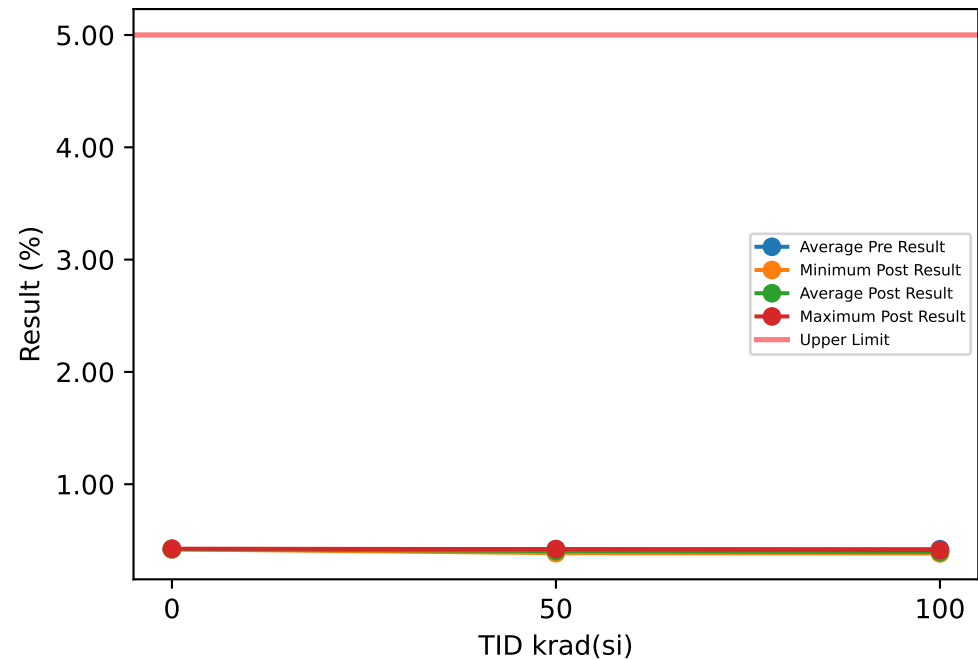


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta  | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|------------|-----------|-----------|
| 0        | 0.528            | 0.53             | 0.532            | 0.0017889        | 0.526             | 0.532             | 0.538             | 0.0047329         | -0.002    | 0.002      | 0.006     | 0.0043818 |
| 50       | 0.525            | 0.53333          | 0.542            | 0.0051581        | 0.513             | 0.52258           | 0.533             | 0.0062444         | -0.013    | -0.01075   | -0.008    | 0.0017645 |
| 100      | 0.525            | 0.53333          | 0.542            | 0.0051581        | 0.515             | 0.52542           | 0.536             | 0.0063741         | -0.011    | -0.0079167 | -0.005    | 0.0021515 |

Device Test: 6.87 ; VOL\_WDO\_2MA

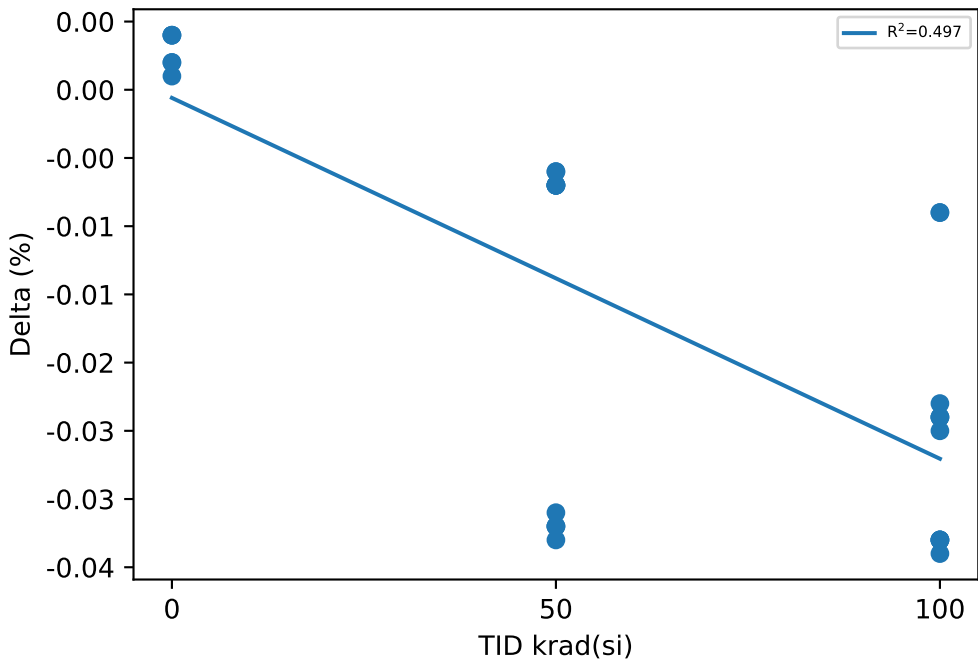
TID vs Result Stats



Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.422      | 0.423       | 0.001  |
| 201      | 0        | Correlation         | 0.418      | 0.42        | 0.002  |
| 202      | 0        | Correlation         | 0.42       | 0.422       | 0.002  |
| 203      | 50       | Biased              | 0.422      | 0.415       | -0.007 |
| 204      | 50       | Biased              | 0.417      | 0.41        | -0.007 |
| 205      | 50       | Biased              | 0.428      | 0.422       | -0.006 |
| 206      | 50       | Biased              | 0.423      | 0.416       | -0.007 |
| 207      | 50       | Biased              | 0.426      | 0.42        | -0.006 |
| 208      | 50       | Biased              | 0.423      | 0.416       | -0.007 |
| 209      | 50       | Unbiased            | 0.417      | 0.386       | -0.031 |
| 210      | 50       | Unbiased            | 0.42       | 0.388       | -0.032 |
| 211      | 50       | Unbiased            | 0.423      | 0.416       | -0.007 |
| 212      | 50       | Unbiased            | 0.418      | 0.386       | -0.032 |
| 213      | 50       | Unbiased            | 0.425      | 0.392       | -0.033 |
| 214      | 50       | Unbiased            | 0.42       | 0.388       | -0.032 |
| 1200     | 0        | Correlation         | 0.422      | 0.426       | 0.004  |
| 1201     | 0        | Correlation         | 0.418      | 0.422       | 0.004  |
| 1202     | 0        | Correlation         | 0.42       | 0.424       | 0.004  |
| 1203     | 100      | Biased              | 0.422      | 0.388       | -0.034 |
| 1204     | 100      | Biased              | 0.417      | 0.384       | -0.033 |
| 1205     | 100      | Biased              | 0.428      | 0.395       | -0.033 |
| 1206     | 100      | Biased              | 0.423      | 0.414       | -0.009 |
| 1207     | 100      | Biased              | 0.426      | 0.393       | -0.033 |
| 1208     | 100      | Biased              | 0.423      | 0.39        | -0.033 |
| 1209     | 100      | Unbiased            | 0.417      | 0.394       | -0.023 |
| 1210     | 100      | Unbiased            | 0.42       | 0.396       | -0.024 |
| 1211     | 100      | Unbiased            | 0.423      | 0.414       | -0.009 |
| 1212     | 100      | Unbiased            | 0.418      | 0.394       | -0.024 |
| 1213     | 100      | Unbiased            | 0.425      | 0.4         | -0.025 |
| 1214     | 100      | Unbiased            | 0.42       | 0.396       | -0.024 |

TID vs Post - Pre Exposure Delta

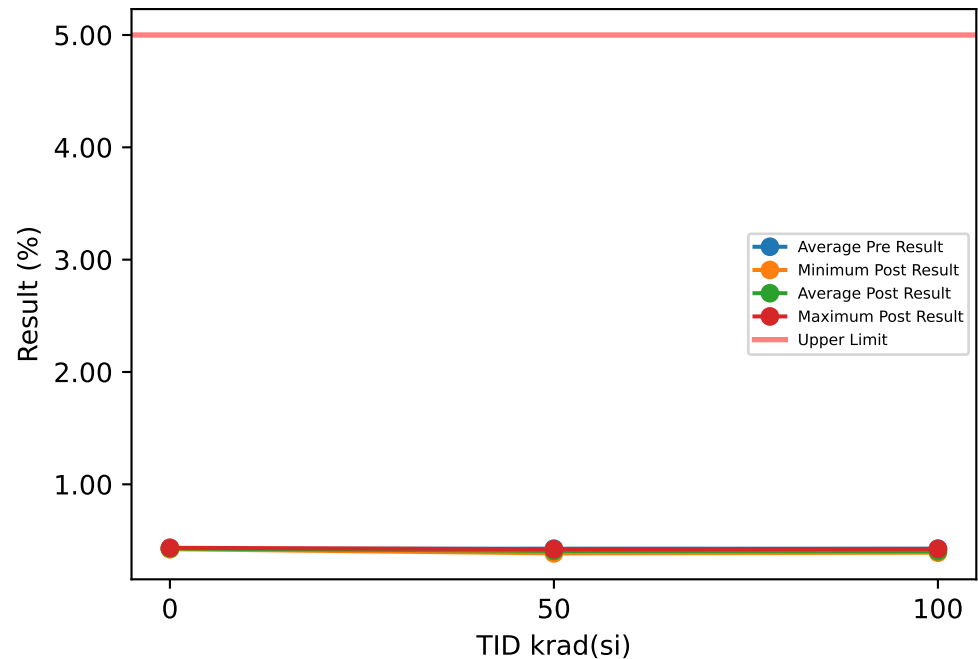


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 0.418            | 0.42             | 0.422            | 0.0017889        | 0.42              | 0.42283           | 0.426             | 0.0020412         | 0.001     | 0.0028333 | 0.004     | 0.0013292 |
| 50       | 0.417            | 0.42183          | 0.428            | 0.0035377        | 0.386             | 0.40458           | 0.422             | 0.014982          | -0.033    | -0.01725  | -0.006    | 0.013032  |
| 100      | 0.417            | 0.42183          | 0.428            | 0.0035377        | 0.384             | 0.3965            | 0.414             | 0.0091602         | -0.034    | -0.025333 | -0.009    | 0.0088146 |

Device Test: 6.88 ; VOL\_PWRGD\_2MA

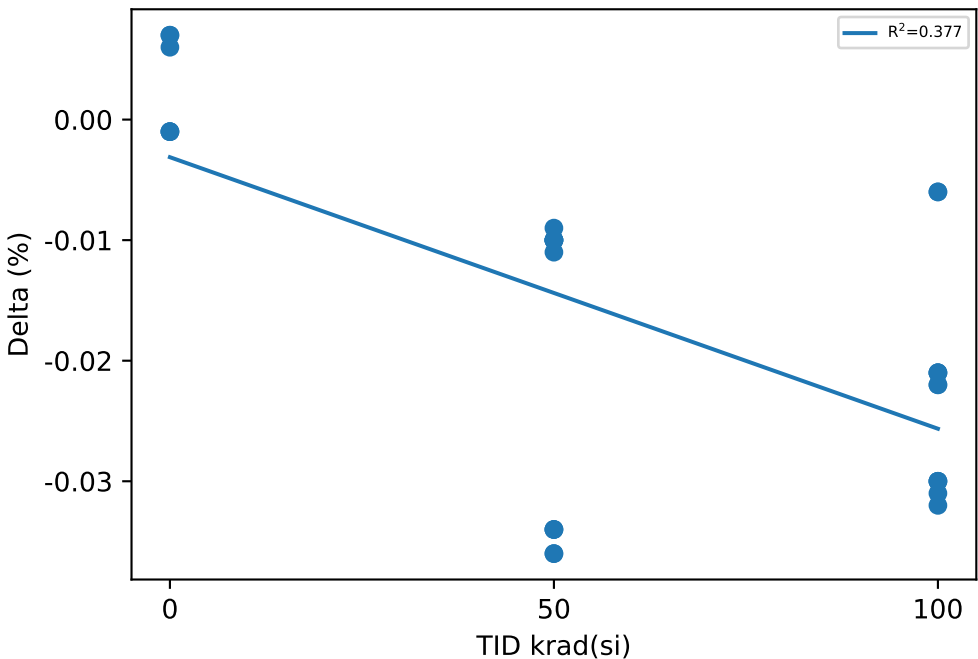
TID vs Result Stats



Test Results (Upper Limit = 5.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 0.428      | 0.427       | -0.001 |
| 201      | 0        | Correlation         | 0.423      | 0.422       | -0.001 |
| 202      | 0        | Correlation         | 0.427      | 0.426       | -0.001 |
| 203      | 50       | Biased              | 0.427      | 0.417       | -0.01  |
| 204      | 50       | Biased              | 0.422      | 0.411       | -0.011 |
| 205      | 50       | Biased              | 0.431      | 0.421       | -0.01  |
| 206      | 50       | Biased              | 0.43       | 0.42        | -0.01  |
| 207      | 50       | Biased              | 0.431      | 0.422       | -0.009 |
| 208      | 50       | Biased              | 0.426      | 0.416       | -0.01  |
| 209      | 50       | Unbiased            | 0.426      | 0.392       | -0.034 |
| 210      | 50       | Unbiased            | 0.426      | 0.392       | -0.034 |
| 211      | 50       | Unbiased            | 0.431      | 0.421       | -0.01  |
| 212      | 50       | Unbiased            | 0.419      | 0.385       | -0.034 |
| 213      | 50       | Unbiased            | 0.43       | 0.394       | -0.036 |
| 214      | 50       | Unbiased            | 0.426      | 0.39        | -0.036 |
| 1200     | 0        | Correlation         | 0.428      | 0.435       | 0.007  |
| 1201     | 0        | Correlation         | 0.423      | 0.43        | 0.007  |
| 1202     | 0        | Correlation         | 0.427      | 0.433       | 0.006  |
| 1203     | 100      | Biased              | 0.427      | 0.395       | -0.032 |
| 1204     | 100      | Biased              | 0.422      | 0.391       | -0.031 |
| 1205     | 100      | Biased              | 0.431      | 0.401       | -0.03  |
| 1206     | 100      | Biased              | 0.43       | 0.424       | -0.006 |
| 1207     | 100      | Biased              | 0.431      | 0.401       | -0.03  |
| 1208     | 100      | Biased              | 0.426      | 0.396       | -0.03  |
| 1209     | 100      | Unbiased            | 0.426      | 0.405       | -0.021 |
| 1210     | 100      | Unbiased            | 0.426      | 0.405       | -0.021 |
| 1211     | 100      | Unbiased            | 0.431      | 0.425       | -0.006 |
| 1212     | 100      | Unbiased            | 0.419      | 0.398       | -0.021 |
| 1213     | 100      | Unbiased            | 0.43       | 0.408       | -0.022 |
| 1214     | 100      | Unbiased            | 0.426      | 0.404       | -0.022 |

TID vs Post - Pre Exposure Delta



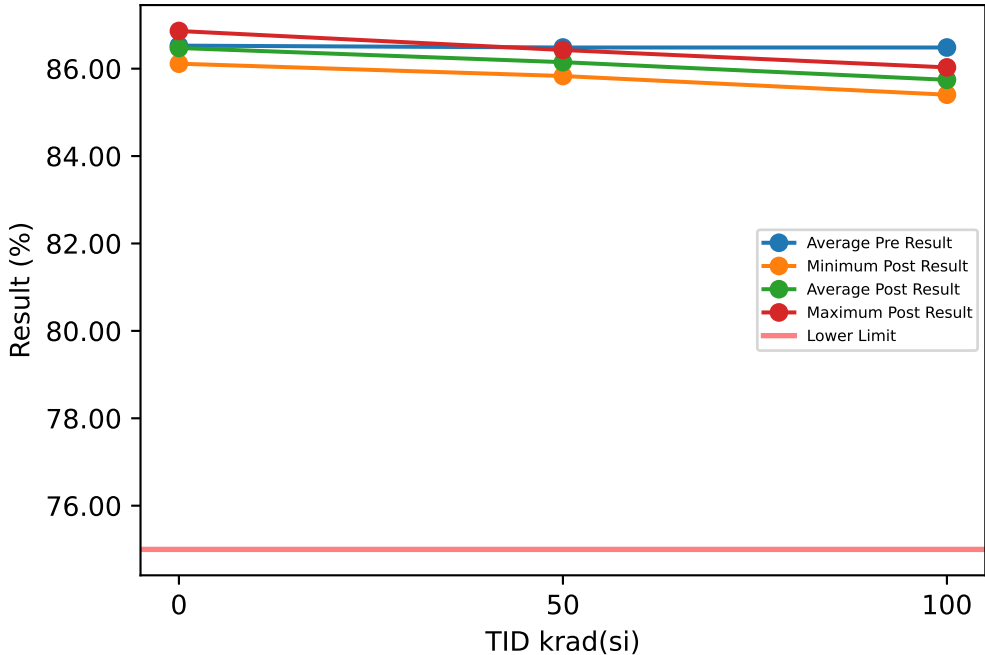
Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 0.423            | 0.426            | 0.428            | 0.0023664        | 0.422             | 0.42883           | 0.435             | 0.0047924         | -0.001    | 0.0028333 | 0.007     | 0.0042151 |
| 50       | 0.419            | 0.42708          | 0.431            | 0.0038009        | 0.385             | 0.40675           | 0.422             | 0.014692          | -0.036    | -0.020333 | -0.009    | 0.012794  |
| 100      | 0.419            | 0.42708          | 0.431            | 0.0038009        | 0.391             | 0.40442           | 0.425             | 0.010553          | -0.032    | -0.022667 | -0.006    | 0.0089578 |



Device Test: 6.89 ; VOH\_RESET\_10MA

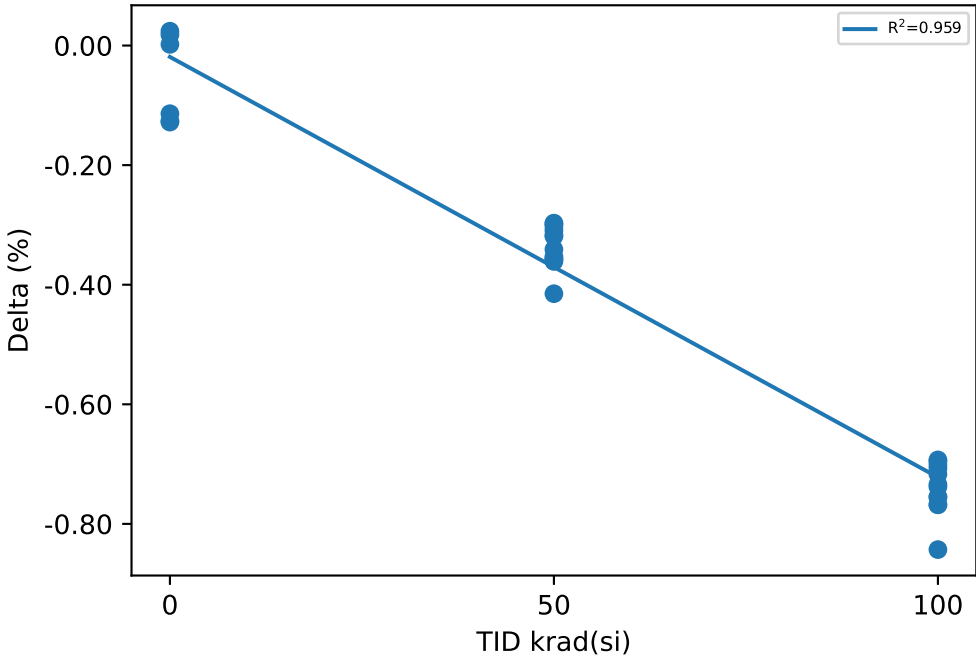
TID vs Result Stats



Test Results (Lower Limit = 75.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 86.498     | 86.522      | 0.024  |
| 201      | 0        | Correlation         | 86.844     | 86.862      | 0.018  |
| 202      | 0        | Correlation         | 86.24      | 86.242      | 0.002  |
| 203      | 50       | Biased              | 86.448     | 86.107      | -0.341 |
| 204      | 50       | Biased              | 86.704     | 86.385      | -0.319 |
| 205      | 50       | Biased              | 86.453     | 86.097      | -0.356 |
| 206      | 50       | Biased              | 86.403     | 86.042      | -0.361 |
| 207      | 50       | Biased              | 86.474     | 86.121      | -0.353 |
| 208      | 50       | Biased              | 86.646     | 86.288      | -0.358 |
| 209      | 50       | Unbiased            | 86.355     | 86.046      | -0.309 |
| 210      | 50       | Unbiased            | 86.575     | 86.273      | -0.302 |
| 211      | 50       | Unbiased            | 86.247     | 85.832      | -0.415 |
| 212      | 50       | Unbiased            | 86.724     | 86.427      | -0.297 |
| 213      | 50       | Unbiased            | 86.331     | 86.014      | -0.317 |
| 214      | 50       | Unbiased            | 86.452     | 86.154      | -0.298 |
| 1200     | 0        | Correlation         | 86.498     | 86.37       | -0.128 |
| 1201     | 0        | Correlation         | 86.844     | 86.73       | -0.114 |
| 1202     | 0        | Correlation         | 86.24      | 86.114      | -0.126 |
| 1203     | 100      | Biased              | 86.448     | 85.693      | -0.755 |
| 1204     | 100      | Biased              | 86.704     | 86.003      | -0.701 |
| 1205     | 100      | Biased              | 86.453     | 85.698      | -0.755 |
| 1206     | 100      | Biased              | 86.403     | 85.71       | -0.693 |
| 1207     | 100      | Biased              | 86.474     | 85.706      | -0.768 |
| 1208     | 100      | Biased              | 86.646     | 85.878      | -0.768 |
| 1209     | 100      | Unbiased            | 86.355     | 85.621      | -0.734 |
| 1210     | 100      | Unbiased            | 86.575     | 85.868      | -0.707 |
| 1211     | 100      | Unbiased            | 86.247     | 85.404      | -0.843 |
| 1212     | 100      | Unbiased            | 86.724     | 86.029      | -0.695 |
| 1213     | 100      | Unbiased            | 86.331     | 85.593      | -0.738 |
| 1214     | 100      | Unbiased            | 86.452     | 85.735      | -0.717 |

TID vs Post - Pre Exposure Delta

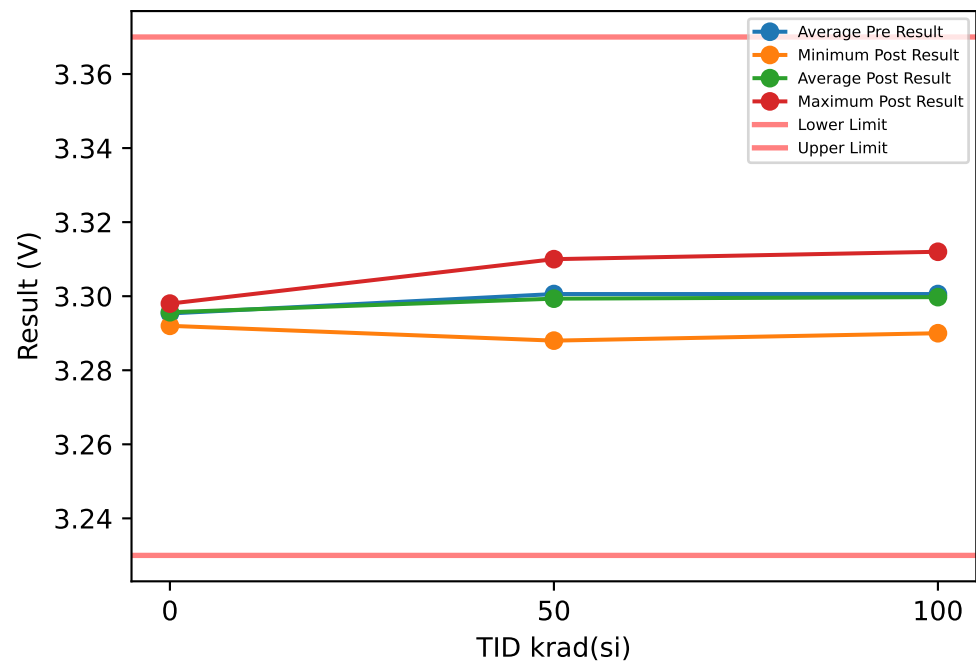


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 86.24            | 86.527           | 86.844           | 0.27107          | 86.114            | 86.473            | 86.862            | 0.28727           | -0.128    | -0.054    | 0.024     | 0.075715  |
| 50       | 86.247           | 86.484           | 86.724           | 0.14975          | 85.832            | 86.149            | 86.427            | 0.16888           | -0.415    | -0.3355   | -0.297    | 0.035112  |
| 100      | 86.247           | 86.484           | 86.724           | 0.14975          | 85.404            | 85.745            | 86.029            | 0.17647           | -0.843    | -0.7395   | -0.693    | 0.04268   |

Device Test: 6.9 ; VLDO\_REG

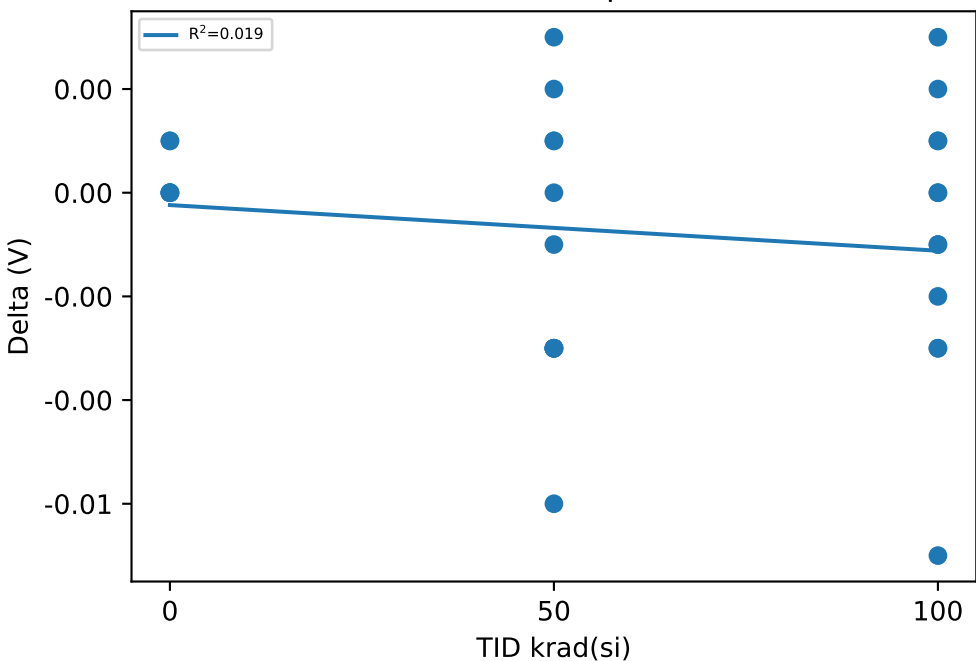
TID vs Result Stats



Test Results (Lower Limit = 3.23, Upper Limit = 3.37 (V))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 3.297      | 3.298       | 0.001  |
| 201      | 0        | Correlation         | 3.292      | 3.292       | 0      |
| 202      | 0        | Correlation         | 3.297      | 3.297       | 0      |
| 203      | 50       | Biased              | 3.292      | 3.295       | 0.003  |
| 204      | 50       | Biased              | 3.298      | 3.295       | -0.003 |
| 205      | 50       | Biased              | 3.304      | 3.298       | -0.006 |
| 206      | 50       | Biased              | 3.307      | 3.304       | -0.003 |
| 207      | 50       | Biased              | 3.299      | 3.296       | -0.003 |
| 208      | 50       | Biased              | 3.29       | 3.291       | 0.001  |
| 209      | 50       | Unbiased            | 3.299      | 3.299       | 0      |
| 210      | 50       | Unbiased            | 3.304      | 3.303       | -0.001 |
| 211      | 50       | Unbiased            | 3.313      | 3.31        | -0.003 |
| 212      | 50       | Unbiased            | 3.291      | 3.288       | -0.003 |
| 213      | 50       | Unbiased            | 3.307      | 3.309       | 0.002  |
| 214      | 50       | Unbiased            | 3.303      | 3.304       | 0.001  |
| 1200     | 0        | Correlation         | 3.297      | 3.298       | 0.001  |
| 1201     | 0        | Correlation         | 3.292      | 3.292       | 0      |
| 1202     | 0        | Correlation         | 3.297      | 3.297       | 0      |
| 1203     | 100      | Biased              | 3.292      | 3.293       | 0.001  |
| 1204     | 100      | Biased              | 3.298      | 3.295       | -0.003 |
| 1205     | 100      | Biased              | 3.304      | 3.297       | -0.007 |
| 1206     | 100      | Biased              | 3.307      | 3.307       | 0      |
| 1207     | 100      | Biased              | 3.299      | 3.297       | -0.002 |
| 1208     | 100      | Biased              | 3.29       | 3.292       | 0.002  |
| 1209     | 100      | Unbiased            | 3.299      | 3.296       | -0.003 |
| 1210     | 100      | Unbiased            | 3.304      | 3.304       | 0      |
| 1211     | 100      | Unbiased            | 3.313      | 3.312       | -0.001 |
| 1212     | 100      | Unbiased            | 3.291      | 3.29        | -0.001 |
| 1213     | 100      | Unbiased            | 3.307      | 3.31        | 0.003  |
| 1214     | 100      | Unbiased            | 3.303      | 3.304       | 0.001  |

TID vs Post - Pre Exposure Delta

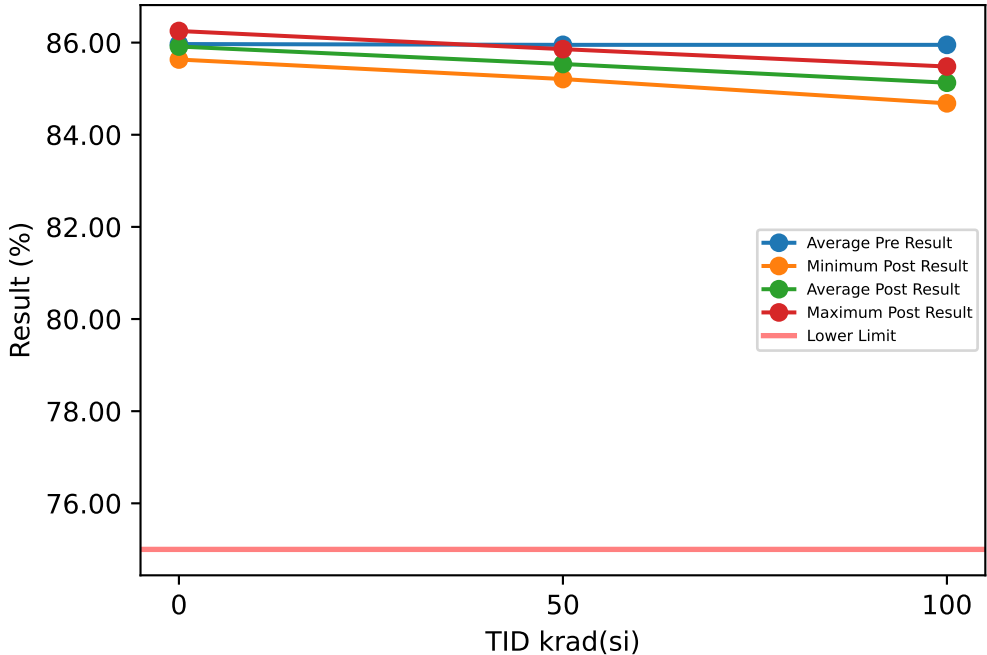


Test Statistics (V)

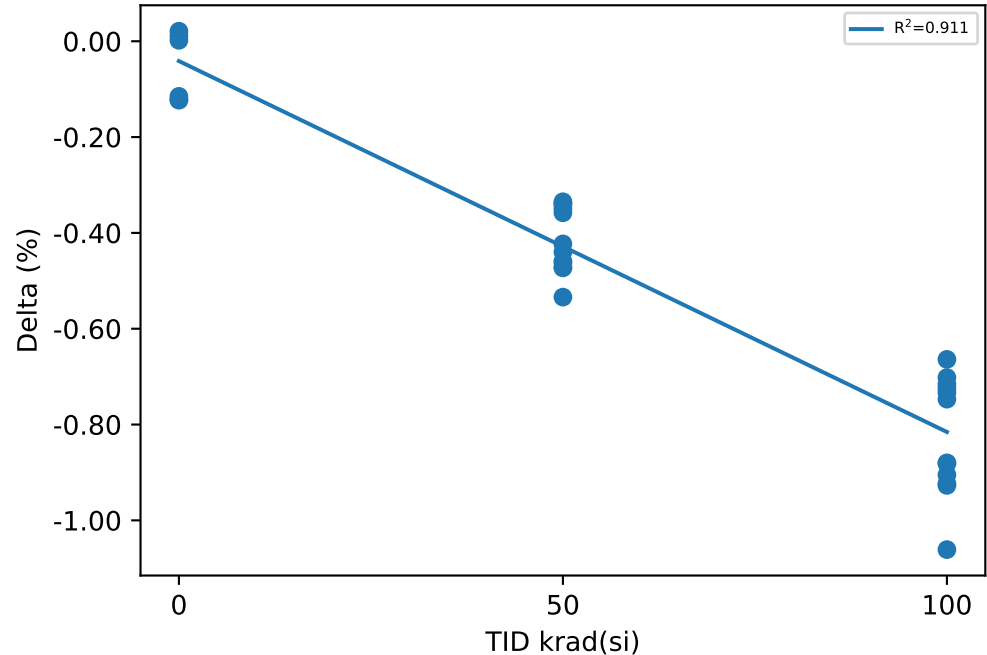
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta   | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-------------|-----------|-----------|
| 0        | 3.292            | 3.2953           | 3.297            | 0.002582         | 3.292             | 3.2957            | 3.298             | 0.0028752         | 0         | 0.00033333  | 0.001     | 0.0005164 |
| 50       | 3.29             | 3.3006           | 3.313            | 0.0071026        | 3.288             | 3.2993            | 3.31              | 0.0068269         | -0.006    | -0.00125    | 0.003     | 0.0026671 |
| 100      | 3.29             | 3.3006           | 3.313            | 0.0071026        | 3.29              | 3.2997            | 3.312             | 0.0073624         | -0.007    | -0.00083333 | 0.003     | 0.0026912 |

Device Test: 6.90 ; VOH\_RESET\_10MA

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 75.0 (%))

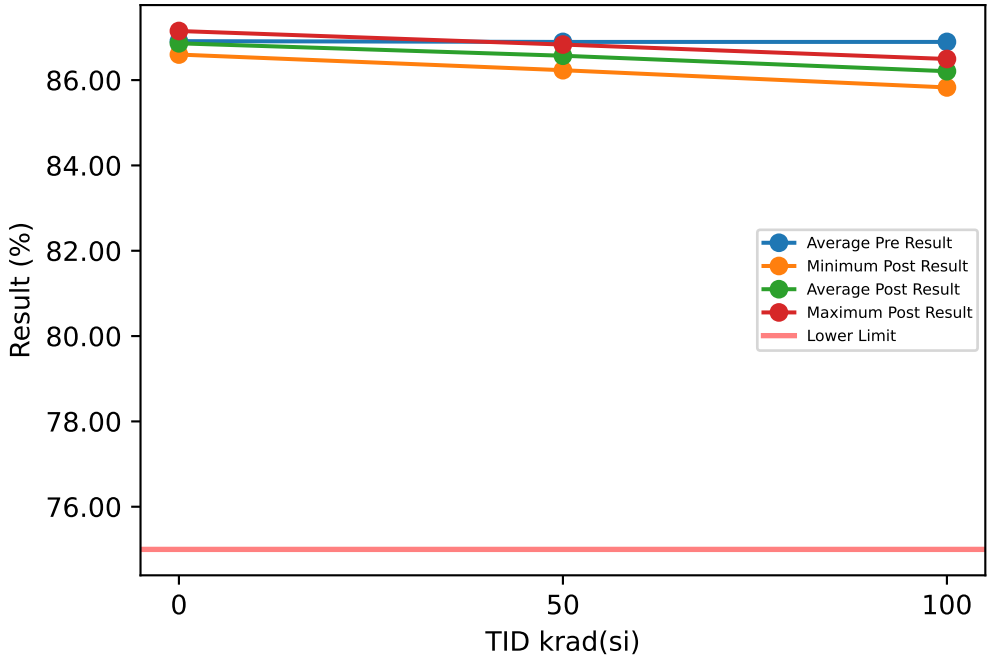
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 85.91      | 85.931      | 0.021  |
| 201      | 0        | Correlation         | 86.241     | 86.252      | 0.011  |
| 202      | 0        | Correlation         | 85.756     | 85.758      | 0.002  |
| 203      | 50       | Biased              | 85.968     | 85.528      | -0.44  |
| 204      | 50       | Biased              | 86.145     | 85.722      | -0.423 |
| 205      | 50       | Biased              | 85.865     | 85.392      | -0.473 |
| 206      | 50       | Biased              | 85.801     | 85.329      | -0.472 |
| 207      | 50       | Biased              | 85.948     | 85.489      | -0.459 |
| 208      | 50       | Biased              | 86.162     | 85.7        | -0.462 |
| 209      | 50       | Unbiased            | 85.832     | 85.482      | -0.35  |
| 210      | 50       | Unbiased            | 86.012     | 85.674      | -0.338 |
| 211      | 50       | Unbiased            | 85.743     | 85.209      | -0.534 |
| 212      | 50       | Unbiased            | 86.193     | 85.858      | -0.335 |
| 213      | 50       | Unbiased            | 85.824     | 85.466      | -0.358 |
| 214      | 50       | Unbiased            | 85.924     | 85.583      | -0.341 |
| 1200     | 0        | Correlation         | 85.91      | 85.788      | -0.122 |
| 1201     | 0        | Correlation         | 86.241     | 86.126      | -0.115 |
| 1202     | 0        | Correlation         | 85.756     | 85.633      | -0.123 |
| 1203     | 100      | Biased              | 85.968     | 85.266      | -0.702 |
| 1204     | 100      | Biased              | 86.145     | 85.481      | -0.664 |
| 1205     | 100      | Biased              | 85.865     | 85.14       | -0.725 |
| 1206     | 100      | Biased              | 85.801     | 85.054      | -0.747 |
| 1207     | 100      | Biased              | 85.948     | 85.215      | -0.733 |
| 1208     | 100      | Biased              | 86.162     | 85.446      | -0.716 |
| 1209     | 100      | Unbiased            | 85.832     | 84.909      | -0.923 |
| 1210     | 100      | Unbiased            | 86.012     | 85.131      | -0.881 |
| 1211     | 100      | Unbiased            | 85.743     | 84.682      | -1.061 |
| 1212     | 100      | Unbiased            | 86.193     | 85.313      | -0.88  |
| 1213     | 100      | Unbiased            | 85.824     | 84.897      | -0.927 |
| 1214     | 100      | Unbiased            | 85.924     | 85.019      | -0.905 |

Test Statistics (%)

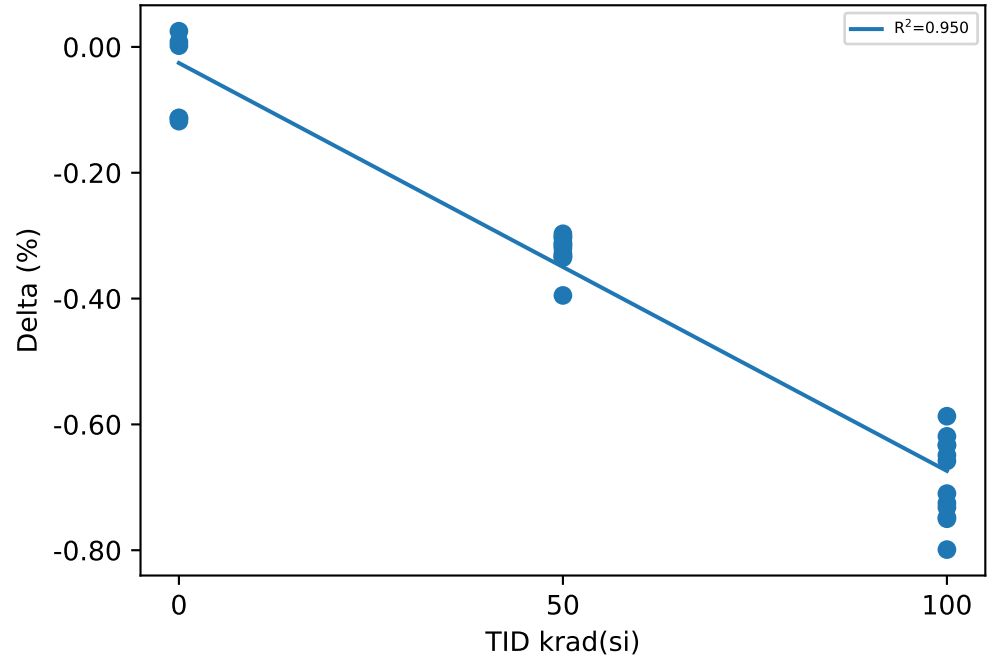
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 85.756           | 85.969           | 86.241           | 0.22166          | 85.633            | 85.915            | 86.252            | 0.23607           | -0.123    | -0.054333 | 0.021     | 0.072238  |
| 50       | 85.743           | 85.951           | 86.193           | 0.15043          | 85.209            | 85.536            | 85.858            | 0.18267           | -0.534    | -0.41542  | -0.335    | 0.068014  |
| 100      | 85.743           | 85.951           | 86.193           | 0.15043          | 84.682            | 85.129            | 85.481            | 0.23438           | -1.061    | -0.822    | -0.664    | 0.12271   |

Device Test: 6.91 ; VOH\_RESET\_10MA

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 75.0 (%))

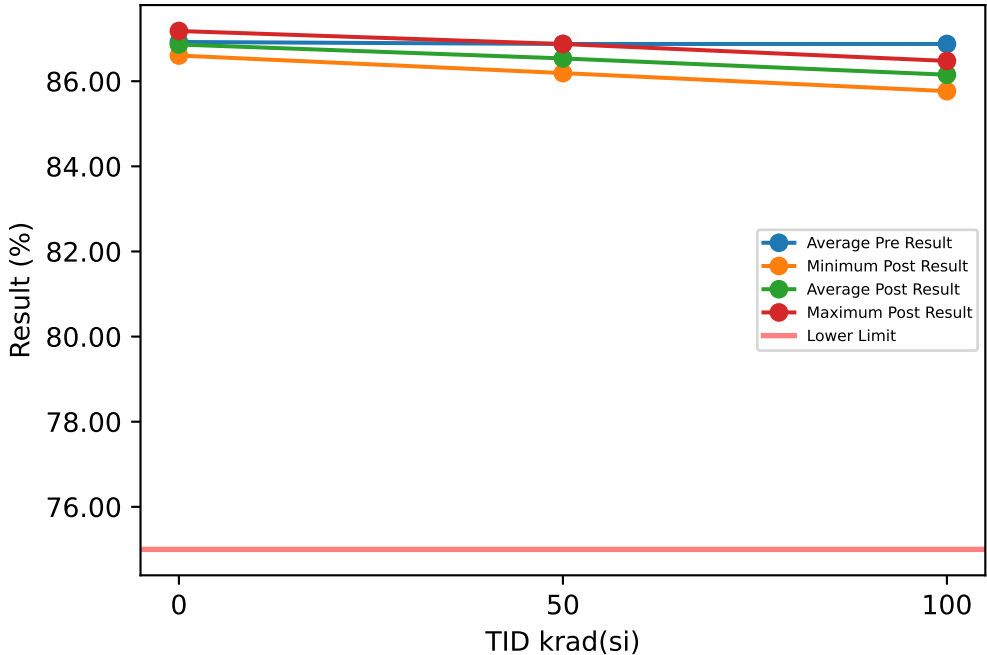
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 86.881     | 86.906      | 0.025  |
| 201      | 0        | Correlation         | 87.143     | 87.151      | 0.008  |
| 202      | 0        | Correlation         | 86.717     | 86.719      | 0.002  |
| 203      | 50       | Biased              | 86.9       | 86.584      | -0.316 |
| 204      | 50       | Biased              | 87.082     | 86.779      | -0.303 |
| 205      | 50       | Biased              | 86.867     | 86.535      | -0.332 |
| 206      | 50       | Biased              | 86.746     | 86.411      | -0.335 |
| 207      | 50       | Biased              | 86.936     | 86.608      | -0.328 |
| 208      | 50       | Biased              | 87.102     | 86.769      | -0.333 |
| 209      | 50       | Unbiased            | 86.806     | 86.492      | -0.314 |
| 210      | 50       | Unbiased            | 86.94      | 86.629      | -0.311 |
| 211      | 50       | Unbiased            | 86.627     | 86.232      | -0.395 |
| 212      | 50       | Unbiased            | 87.13      | 86.833      | -0.297 |
| 213      | 50       | Unbiased            | 86.754     | 86.434      | -0.32  |
| 214      | 50       | Unbiased            | 86.851     | 86.549      | -0.302 |
| 1200     | 0        | Correlation         | 86.881     | 86.768      | -0.113 |
| 1201     | 0        | Correlation         | 87.143     | 87.03       | -0.113 |
| 1202     | 0        | Correlation         | 86.717     | 86.599      | -0.118 |
| 1203     | 100      | Biased              | 86.9       | 86.281      | -0.619 |
| 1204     | 100      | Biased              | 87.082     | 86.495      | -0.587 |
| 1205     | 100      | Biased              | 86.867     | 86.234      | -0.633 |
| 1206     | 100      | Biased              | 86.746     | 86.088      | -0.658 |
| 1207     | 100      | Biased              | 86.936     | 86.287      | -0.649 |
| 1208     | 100      | Biased              | 87.102     | 86.469      | -0.633 |
| 1209     | 100      | Unbiased            | 86.806     | 86.058      | -0.748 |
| 1210     | 100      | Unbiased            | 86.94      | 86.215      | -0.725 |
| 1211     | 100      | Unbiased            | 86.627     | 85.828      | -0.799 |
| 1212     | 100      | Unbiased            | 87.13      | 86.42       | -0.71  |
| 1213     | 100      | Unbiased            | 86.754     | 86.004      | -0.75  |
| 1214     | 100      | Unbiased            | 86.851     | 86.119      | -0.732 |

Test Statistics (%)

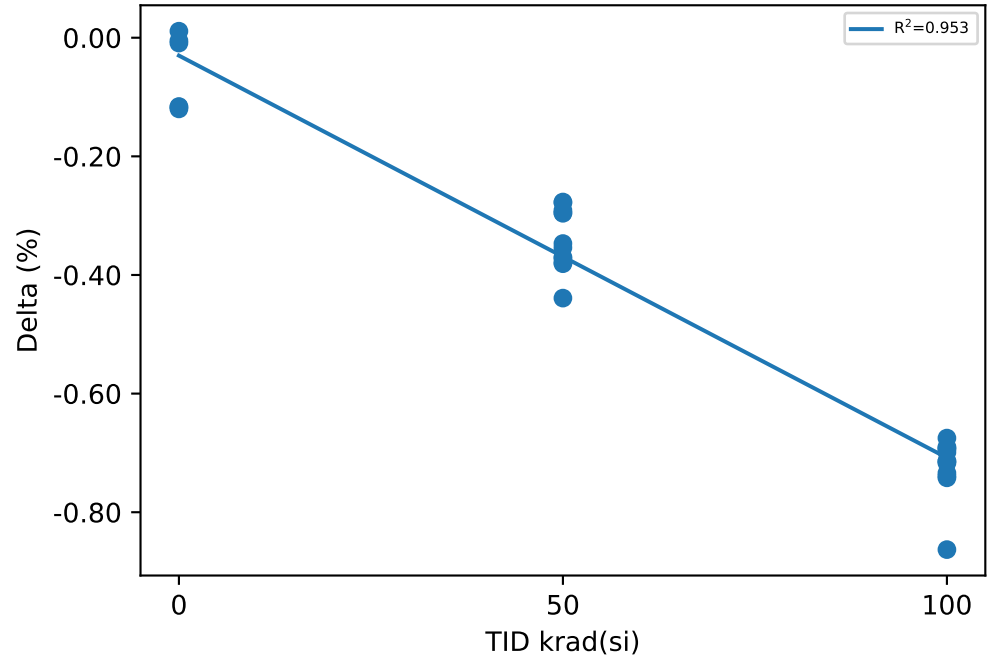
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 86.717           | 86.914           | 87.143           | 0.19219          | 86.599            | 86.862            | 87.151            | 0.20598           | -0.118    | -0.0515   | 0.025     | 0.06963   |
| 50       | 86.627           | 86.895           | 87.13            | 0.15413          | 86.232            | 86.571            | 86.833            | 0.17144           | -0.395    | -0.32383  | -0.297    | 0.025806  |
| 100      | 86.627           | 86.895           | 87.13            | 0.15413          | 85.828            | 86.208            | 86.495            | 0.19967           | -0.799    | -0.68692  | -0.587    | 0.065347  |

Device Test: 6.92 ; VOH\_RESET\_10MA

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 75.0 (%))

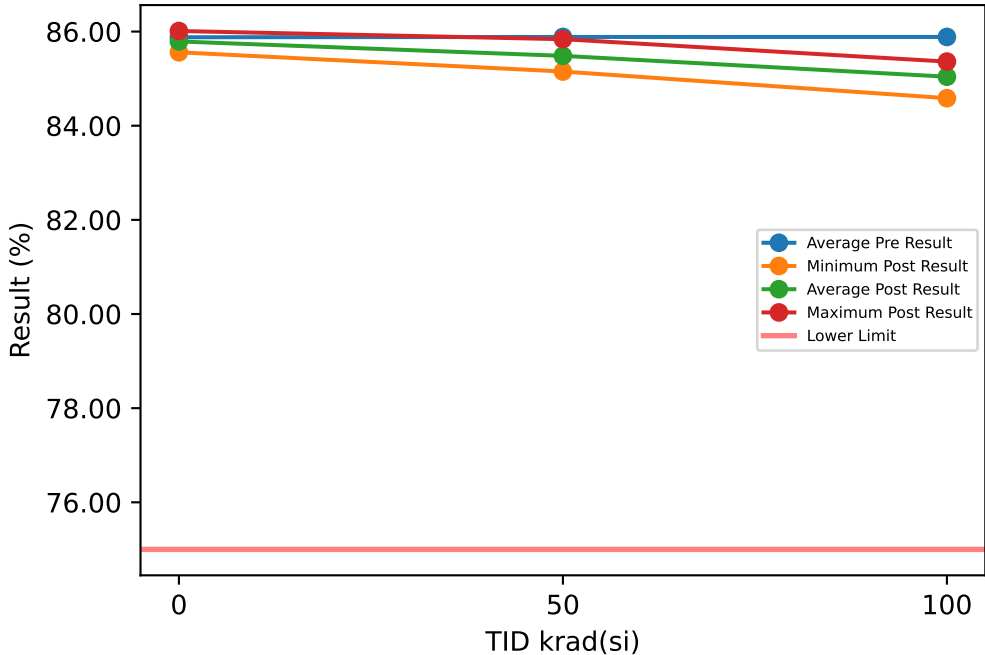
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 86.857     | 86.868      | 0.011  |
| 201      | 0        | Correlation         | 87.185     | 87.18       | -0.005 |
| 202      | 0        | Correlation         | 86.724     | 86.715      | -0.009 |
| 203      | 50       | Biased              | 86.893     | 86.539      | -0.354 |
| 204      | 50       | Biased              | 87.056     | 86.709      | -0.347 |
| 205      | 50       | Biased              | 86.793     | 86.412      | -0.381 |
| 206      | 50       | Biased              | 86.685     | 86.306      | -0.379 |
| 207      | 50       | Biased              | 86.896     | 86.526      | -0.37  |
| 208      | 50       | Biased              | 87.082     | 86.71       | -0.372 |
| 209      | 50       | Unbiased            | 86.798     | 86.507      | -0.291 |
| 210      | 50       | Unbiased            | 86.945     | 86.65       | -0.295 |
| 211      | 50       | Unbiased            | 86.63      | 86.191      | -0.439 |
| 212      | 50       | Unbiased            | 87.152     | 86.874      | -0.278 |
| 213      | 50       | Unbiased            | 86.77      | 86.474      | -0.296 |
| 214      | 50       | Unbiased            | 86.805     | 86.528      | -0.277 |
| 1200     | 0        | Correlation         | 86.857     | 86.74       | -0.117 |
| 1201     | 0        | Correlation         | 87.185     | 87.069      | -0.116 |
| 1202     | 0        | Correlation         | 86.724     | 86.604      | -0.12  |
| 1203     | 100      | Biased              | 86.893     | 86.176      | -0.717 |
| 1204     | 100      | Biased              | 87.056     | 86.366      | -0.69  |
| 1205     | 100      | Biased              | 86.793     | 86.054      | -0.739 |
| 1206     | 100      | Biased              | 86.685     | 85.986      | -0.699 |
| 1207     | 100      | Biased              | 86.896     | 86.154      | -0.742 |
| 1208     | 100      | Biased              | 87.082     | 86.348      | -0.734 |
| 1209     | 100      | Unbiased            | 86.798     | 86.084      | -0.714 |
| 1210     | 100      | Unbiased            | 86.945     | 86.251      | -0.694 |
| 1211     | 100      | Unbiased            | 86.63      | 85.767      | -0.863 |
| 1212     | 100      | Unbiased            | 87.152     | 86.477      | -0.675 |
| 1213     | 100      | Unbiased            | 86.77      | 86.056      | -0.714 |
| 1214     | 100      | Unbiased            | 86.805     | 86.113      | -0.692 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 86.724           | 86.922           | 87.185           | 0.21222          | 86.604            | 86.863            | 87.18             | 0.22229           | -0.12     | -0.059333 | 0.011     | 0.064264  |
| 50       | 86.63            | 86.875           | 87.152           | 0.16031          | 86.191            | 86.535            | 86.874            | 0.18577           | -0.439    | -0.33992  | -0.277    | 0.051652  |
| 100      | 86.63            | 86.875           | 87.152           | 0.16031          | 85.767            | 86.153            | 86.477            | 0.19092           | -0.863    | -0.72275  | -0.675    | 0.048903  |

Device Test: 6.93 ; VOH\_WDO\_10MA

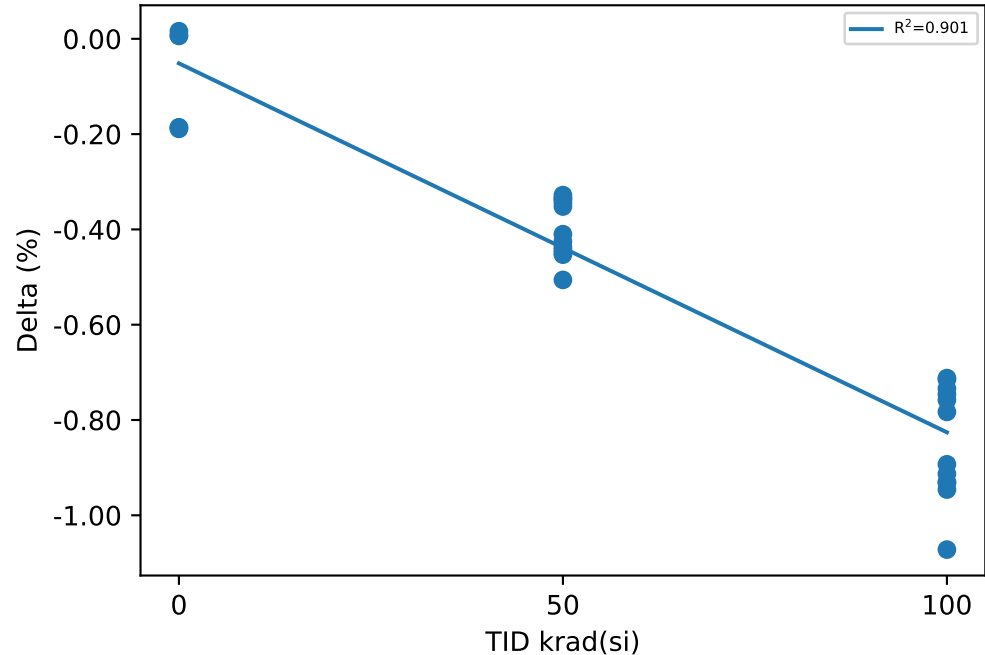
TID vs Result Stats



Test Results (Lower Limit = 75.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 85.885     | 85.901      | 0.016  |
| 201      | 0        | Correlation         | 86.005     | 86.012      | 0.007  |
| 202      | 0        | Correlation         | 85.746     | 85.752      | 0.006  |
| 203      | 50       | Biased              | 85.992     | 85.582      | -0.41  |
| 204      | 50       | Biased              | 86.02      | 85.595      | -0.425 |
| 205      | 50       | Biased              | 85.815     | 85.372      | -0.443 |
| 206      | 50       | Biased              | 85.669     | 85.216      | -0.453 |
| 207      | 50       | Biased              | 85.919     | 85.47       | -0.449 |
| 208      | 50       | Biased              | 86.108     | 85.671      | -0.437 |
| 209      | 50       | Unbiased            | 85.876     | 85.54       | -0.336 |
| 210      | 50       | Unbiased            | 85.888     | 85.545      | -0.343 |
| 211      | 50       | Unbiased            | 85.657     | 85.151      | -0.506 |
| 212      | 50       | Unbiased            | 86.166     | 85.838      | -0.328 |
| 213      | 50       | Unbiased            | 85.754     | 85.402      | -0.352 |
| 214      | 50       | Unbiased            | 85.762     | 85.427      | -0.335 |
| 1200     | 0        | Correlation         | 85.885     | 85.696      | -0.189 |
| 1201     | 0        | Correlation         | 86.005     | 85.819      | -0.186 |
| 1202     | 0        | Correlation         | 85.746     | 85.56       | -0.186 |
| 1203     | 100      | Biased              | 85.992     | 85.277      | -0.715 |
| 1204     | 100      | Biased              | 86.02      | 85.308      | -0.712 |
| 1205     | 100      | Biased              | 85.815     | 85.081      | -0.734 |
| 1206     | 100      | Biased              | 85.669     | 84.886      | -0.783 |
| 1207     | 100      | Biased              | 85.919     | 85.161      | -0.758 |
| 1208     | 100      | Biased              | 86.108     | 85.362      | -0.746 |
| 1209     | 100      | Unbiased            | 85.876     | 84.946      | -0.93  |
| 1210     | 100      | Unbiased            | 85.888     | 84.975      | -0.913 |
| 1211     | 100      | Unbiased            | 85.657     | 84.585      | -1.072 |
| 1212     | 100      | Unbiased            | 86.166     | 85.273      | -0.893 |
| 1213     | 100      | Unbiased            | 85.754     | 84.808      | -0.946 |
| 1214     | 100      | Unbiased            | 85.762     | 84.83       | -0.932 |

TID vs Post - Pre Exposure Delta



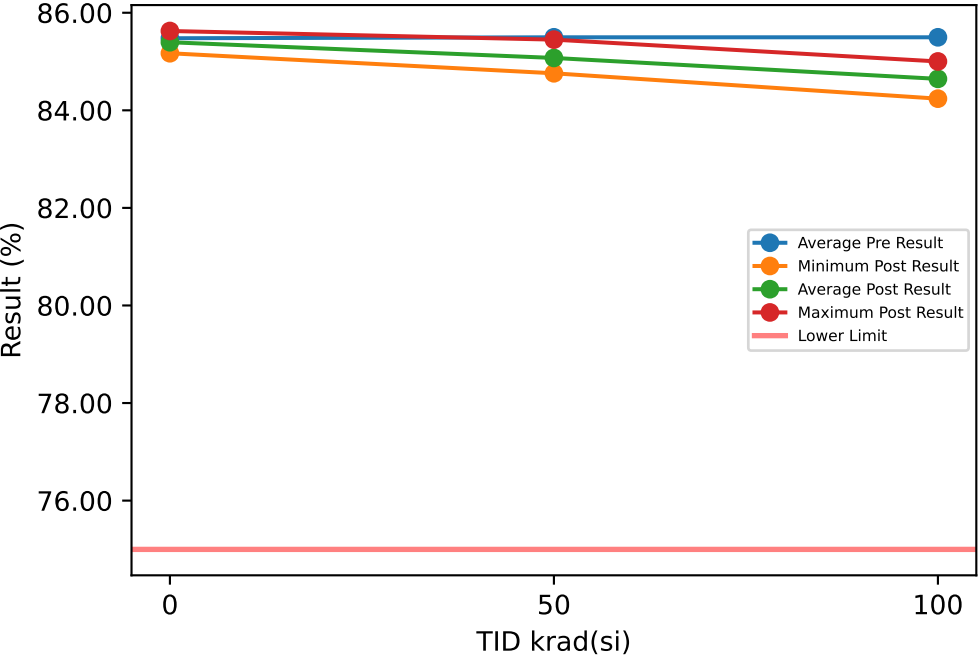
Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 85.746           | 85.879           | 86.005           | 0.11593          | 85.56             | 85.79             | 86.012            | 0.15851           | -0.189    | -0.088667 | 0.016     | 0.10778   |
| 50       | 85.657           | 85.885           | 86.166           | 0.16388          | 85.151            | 85.484            | 85.838            | 0.18938           | -0.506    | -0.40142  | -0.328    | 0.059866  |
| 100      | 85.657           | 85.885           | 86.166           | 0.16388          | 84.585            | 85.041            | 85.362            | 0.24196           | -1.072    | -0.8445   | -0.712    | 0.11739   |



Device Test: 6.94 ; VOH\_PWRGD\_10MA

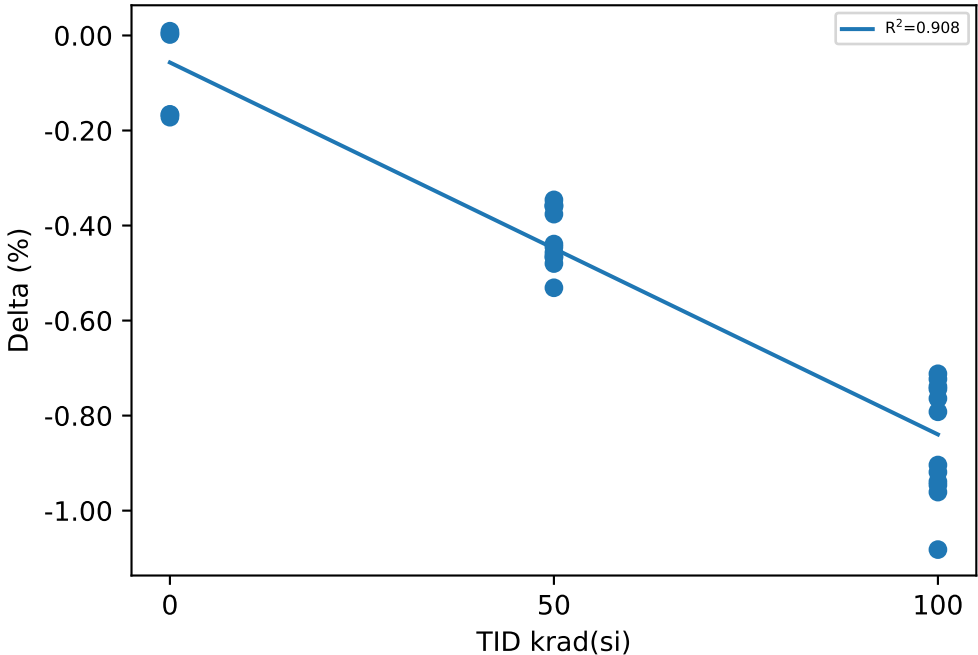
TID vs Result Stats



Test Results (Lower Limit = 75.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 85.474     | 85.483      | 0.009  |
| 201      | 0        | Correlation         | 85.622     | 85.626      | 0.004  |
| 202      | 0        | Correlation         | 85.336     | 85.338      | 0.002  |
| 203      | 50       | Biased              | 85.616     | 85.177      | -0.439 |
| 204      | 50       | Biased              | 85.691     | 85.246      | -0.445 |
| 205      | 50       | Biased              | 85.418     | 84.953      | -0.465 |
| 206      | 50       | Biased              | 85.239     | 84.759      | -0.48  |
| 207      | 50       | Biased              | 85.448     | 84.981      | -0.467 |
| 208      | 50       | Biased              | 85.746     | 85.289      | -0.457 |
| 209      | 50       | Unbiased            | 85.475     | 85.119      | -0.356 |
| 210      | 50       | Unbiased            | 85.49      | 85.13       | -0.36  |
| 211      | 50       | Unbiased            | 85.321     | 84.79       | -0.531 |
| 212      | 50       | Unbiased            | 85.795     | 85.449      | -0.346 |
| 213      | 50       | Unbiased            | 85.336     | 84.96       | -0.376 |
| 214      | 50       | Unbiased            | 85.389     | 85.03       | -0.359 |
| 1200     | 0        | Correlation         | 85.474     | 85.302      | -0.172 |
| 1201     | 0        | Correlation         | 85.622     | 85.455      | -0.167 |
| 1202     | 0        | Correlation         | 85.336     | 85.17       | -0.166 |
| 1203     | 100      | Biased              | 85.616     | 84.893      | -0.723 |
| 1204     | 100      | Biased              | 85.691     | 84.979      | -0.712 |
| 1205     | 100      | Biased              | 85.418     | 84.679      | -0.739 |
| 1206     | 100      | Biased              | 85.239     | 84.447      | -0.792 |
| 1207     | 100      | Biased              | 85.448     | 84.684      | -0.764 |
| 1208     | 100      | Biased              | 85.746     | 85.002      | -0.744 |
| 1209     | 100      | Unbiased            | 85.475     | 84.536      | -0.939 |
| 1210     | 100      | Unbiased            | 85.49      | 84.571      | -0.919 |
| 1211     | 100      | Unbiased            | 85.321     | 84.239      | -1.082 |
| 1212     | 100      | Unbiased            | 85.795     | 84.891      | -0.904 |
| 1213     | 100      | Unbiased            | 85.336     | 84.375      | -0.961 |
| 1214     | 100      | Unbiased            | 85.389     | 84.443      | -0.946 |

TID vs Post - Pre Exposure Delta

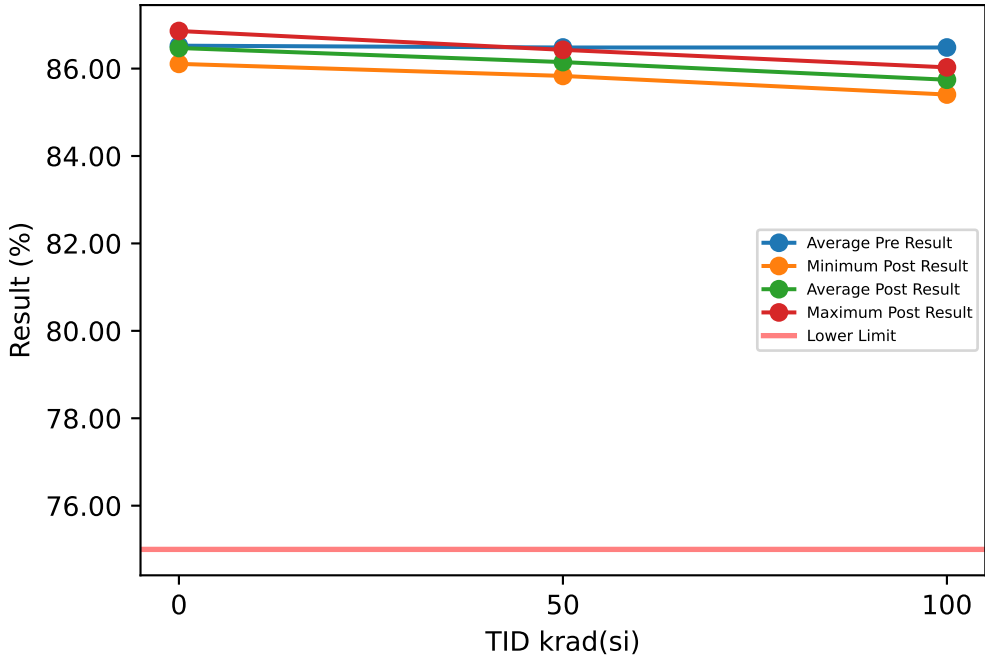


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 85.336           | 85.477           | 85.622           | 0.12793          | 85.17             | 85.396            | 85.626            | 0.15952           | -0.172    | -0.081667 | 0.009     | 0.094988  |
| 50       | 85.239           | 85.497           | 85.795           | 0.17759          | 84.759            | 85.074            | 85.449            | 0.20233           | -0.531    | -0.42342  | -0.346    | 0.061199  |
| 100      | 85.239           | 85.497           | 85.795           | 0.17759          | 84.239            | 84.645            | 85.002            | 0.25205           | -1.082    | -0.85208  | -0.712    | 0.12075   |

Device Test: 6.95 ; VOH\_RESET\_10MA

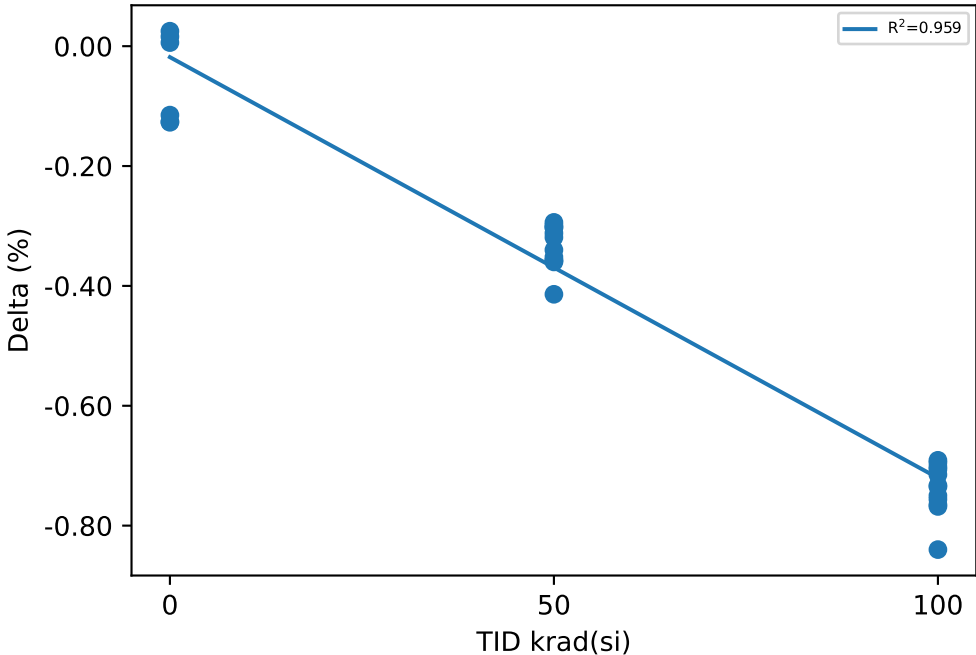
TID vs Result Stats



Test Results (Lower Limit = 75.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 86.494     | 86.519      | 0.025  |
| 201      | 0        | Correlation         | 86.844     | 86.86       | 0.016  |
| 202      | 0        | Correlation         | 86.235     | 86.241      | 0.006  |
| 203      | 50       | Biased              | 86.444     | 86.104      | -0.34  |
| 204      | 50       | Biased              | 86.704     | 86.385      | -0.319 |
| 205      | 50       | Biased              | 86.452     | 86.094      | -0.358 |
| 206      | 50       | Biased              | 86.401     | 86.041      | -0.36  |
| 207      | 50       | Biased              | 86.472     | 86.12       | -0.352 |
| 208      | 50       | Biased              | 86.644     | 86.287      | -0.357 |
| 209      | 50       | Unbiased            | 86.352     | 86.049      | -0.303 |
| 210      | 50       | Unbiased            | 86.576     | 86.274      | -0.302 |
| 211      | 50       | Unbiased            | 86.246     | 85.832      | -0.414 |
| 212      | 50       | Unbiased            | 86.723     | 86.429      | -0.294 |
| 213      | 50       | Unbiased            | 86.327     | 86.015      | -0.312 |
| 214      | 50       | Unbiased            | 86.452     | 86.153      | -0.299 |
| 1200     | 0        | Correlation         | 86.494     | 86.368      | -0.126 |
| 1201     | 0        | Correlation         | 86.844     | 86.729      | -0.115 |
| 1202     | 0        | Correlation         | 86.235     | 86.108      | -0.127 |
| 1203     | 100      | Biased              | 86.444     | 85.694      | -0.75  |
| 1204     | 100      | Biased              | 86.704     | 86.002      | -0.702 |
| 1205     | 100      | Biased              | 86.452     | 85.696      | -0.756 |
| 1206     | 100      | Biased              | 86.401     | 85.71       | -0.691 |
| 1207     | 100      | Biased              | 86.472     | 85.704      | -0.768 |
| 1208     | 100      | Biased              | 86.644     | 85.879      | -0.765 |
| 1209     | 100      | Unbiased            | 86.352     | 85.619      | -0.733 |
| 1210     | 100      | Unbiased            | 86.576     | 85.87       | -0.706 |
| 1211     | 100      | Unbiased            | 86.246     | 85.406      | -0.84  |
| 1212     | 100      | Unbiased            | 86.723     | 86.028      | -0.695 |
| 1213     | 100      | Unbiased            | 86.327     | 85.592      | -0.735 |
| 1214     | 100      | Unbiased            | 86.452     | 85.737      | -0.715 |

TID vs Post - Pre Exposure Delta

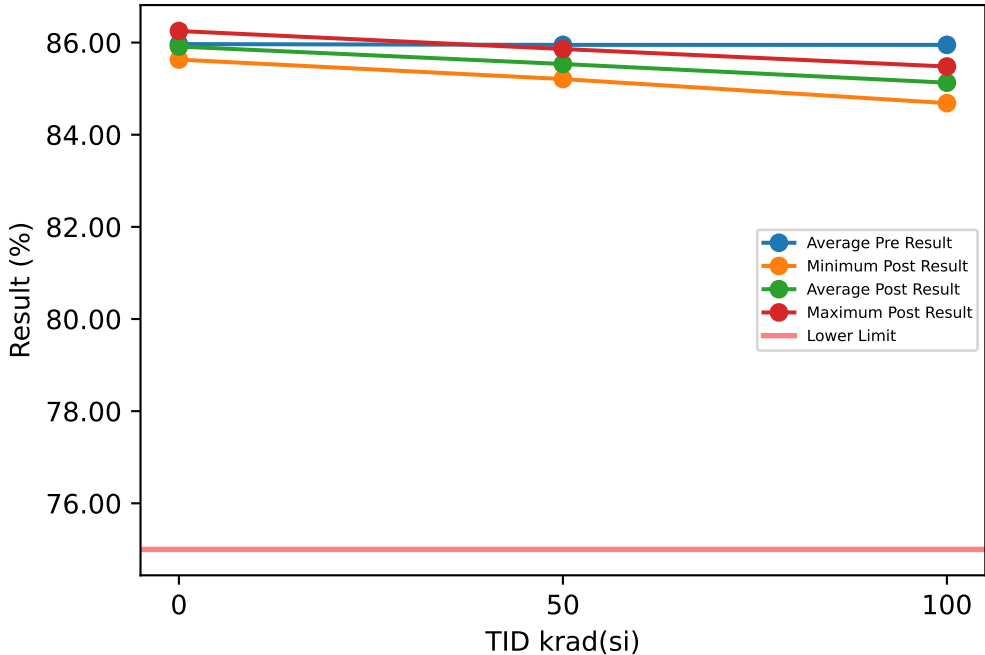


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 86.235           | 86.524           | 86.844           | 0.27336          | 86.108            | 86.471            | 86.86             | 0.28826           | -0.127    | -0.0535   | 0.025     | 0.076123  |
| 50       | 86.246           | 86.483           | 86.723           | 0.15044          | 85.832            | 86.149            | 86.429            | 0.16916           | -0.414    | -0.33417  | -0.294    | 0.035751  |
| 100      | 86.246           | 86.483           | 86.723           | 0.15044          | 85.406            | 85.745            | 86.028            | 0.1763            | -0.84     | -0.738    | -0.691    | 0.042041  |

Device Test: 6.96 ; VOH\_RESET\_10MA

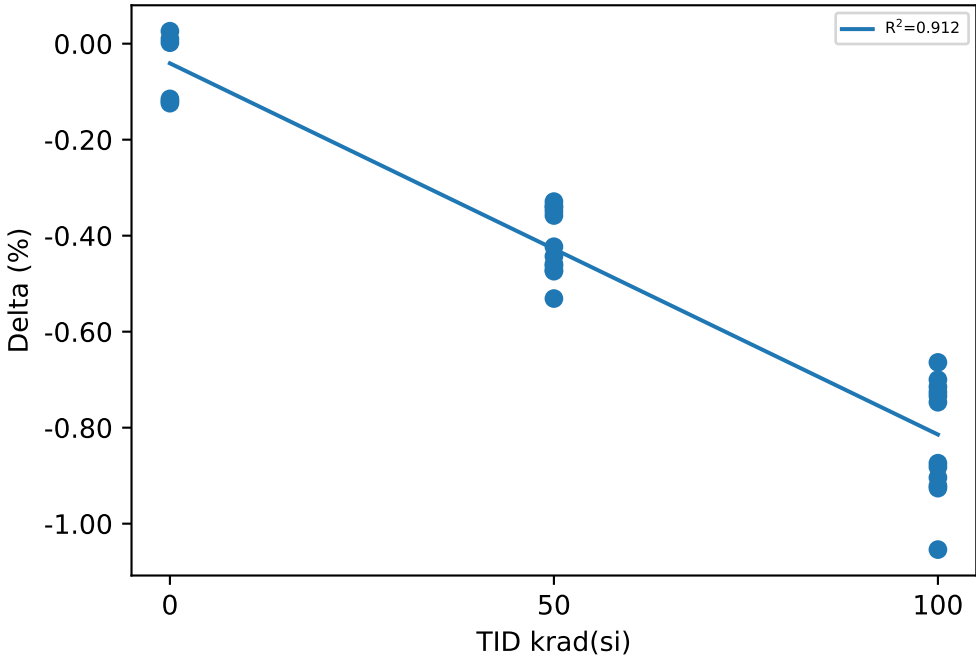
TID vs Result Stats



Test Results (Lower Limit = 75.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 85.905     | 85.931      | 0.026  |
| 201      | 0        | Correlation         | 86.241     | 86.251      | 0.01   |
| 202      | 0        | Correlation         | 85.755     | 85.757      | 0.002  |
| 203      | 50       | Biased              | 85.966     | 85.523      | -0.443 |
| 204      | 50       | Biased              | 86.144     | 85.721      | -0.423 |
| 205      | 50       | Biased              | 85.863     | 85.389      | -0.474 |
| 206      | 50       | Biased              | 85.8       | 85.328      | -0.472 |
| 207      | 50       | Biased              | 85.946     | 85.487      | -0.459 |
| 208      | 50       | Biased              | 86.162     | 85.699      | -0.463 |
| 209      | 50       | Unbiased            | 85.83      | 85.481      | -0.349 |
| 210      | 50       | Unbiased            | 86.012     | 85.674      | -0.338 |
| 211      | 50       | Unbiased            | 85.739     | 85.208      | -0.531 |
| 212      | 50       | Unbiased            | 86.189     | 85.86       | -0.329 |
| 213      | 50       | Unbiased            | 85.824     | 85.466      | -0.358 |
| 214      | 50       | Unbiased            | 85.923     | 85.582      | -0.341 |
| 1200     | 0        | Correlation         | 85.905     | 85.785      | -0.12  |
| 1201     | 0        | Correlation         | 86.241     | 86.126      | -0.115 |
| 1202     | 0        | Correlation         | 85.755     | 85.631      | -0.124 |
| 1203     | 100      | Biased              | 85.966     | 85.266      | -0.7   |
| 1204     | 100      | Biased              | 86.144     | 85.48       | -0.664 |
| 1205     | 100      | Biased              | 85.863     | 85.137      | -0.726 |
| 1206     | 100      | Biased              | 85.8       | 85.053      | -0.747 |
| 1207     | 100      | Biased              | 85.946     | 85.212      | -0.734 |
| 1208     | 100      | Biased              | 86.162     | 85.447      | -0.715 |
| 1209     | 100      | Unbiased            | 85.83      | 84.909      | -0.921 |
| 1210     | 100      | Unbiased            | 86.012     | 85.13       | -0.882 |
| 1211     | 100      | Unbiased            | 85.739     | 84.685      | -1.054 |
| 1212     | 100      | Unbiased            | 86.189     | 85.315      | -0.874 |
| 1213     | 100      | Unbiased            | 85.824     | 84.898      | -0.926 |
| 1214     | 100      | Unbiased            | 85.923     | 85.019      | -0.904 |

TID vs Post - Pre Exposure Delta

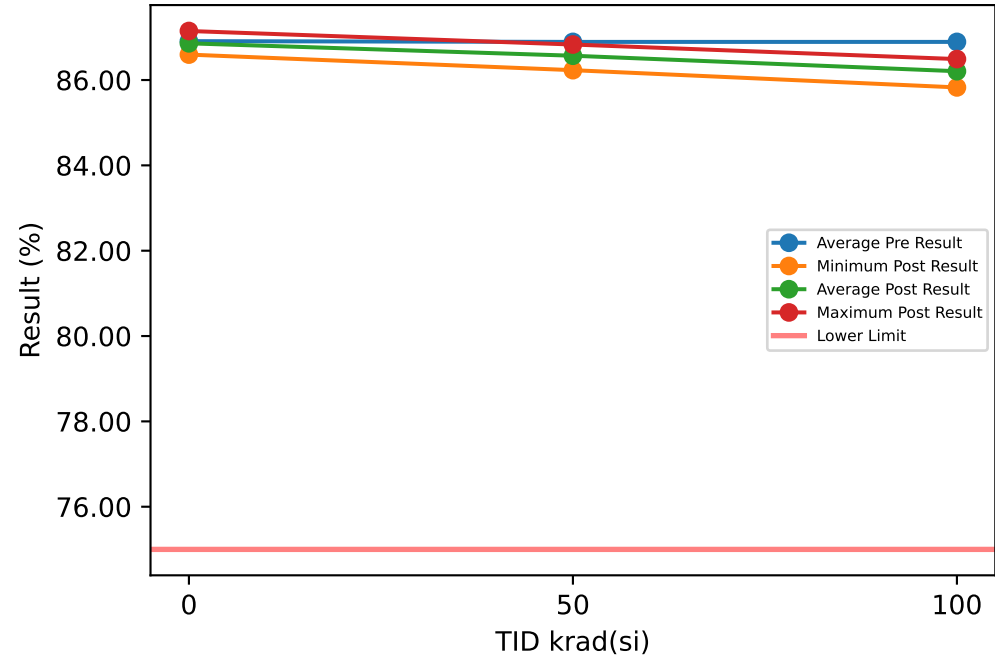


Test Statistics (%)

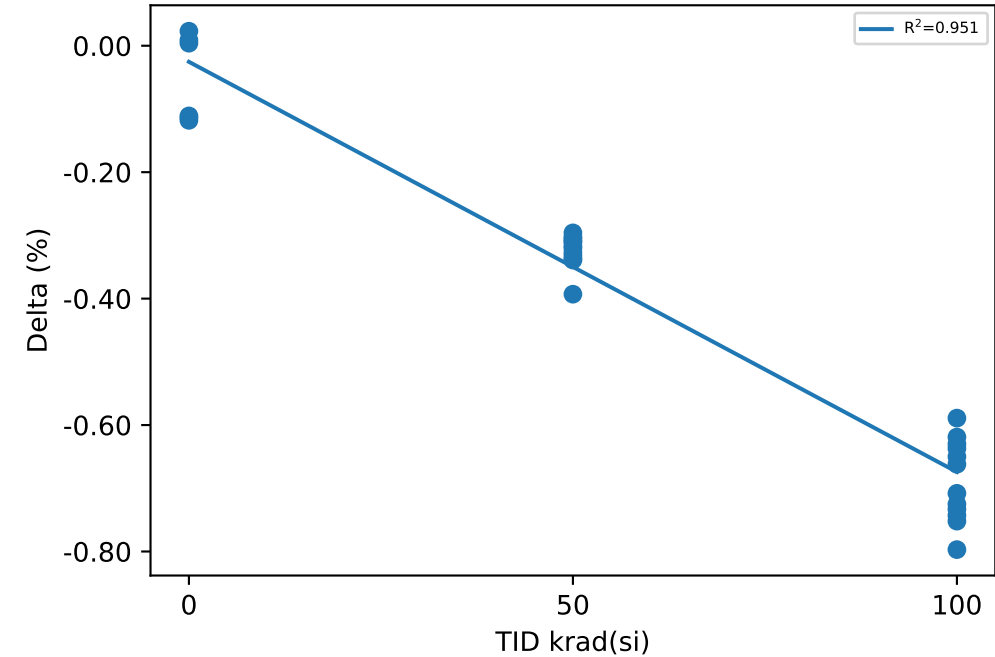
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 85.755           | 85.967           | 86.241           | 0.22259          | 85.631            | 85.913            | 86.251            | 0.23672           | -0.124    | -0.0535   | 0.026     | 0.072949  |
| 50       | 85.739           | 85.95            | 86.189           | 0.15058          | 85.208            | 85.535            | 85.86             | 0.18337           | -0.531    | -0.415    | -0.329    | 0.068543  |
| 100      | 85.739           | 85.95            | 86.189           | 0.15058          | 84.685            | 85.129            | 85.48             | 0.23383           | -1.054    | -0.82058  | -0.664    | 0.1211    |

Device Test: 6.97 ; VOH\_RESET\_10MA

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 75.0 (%))

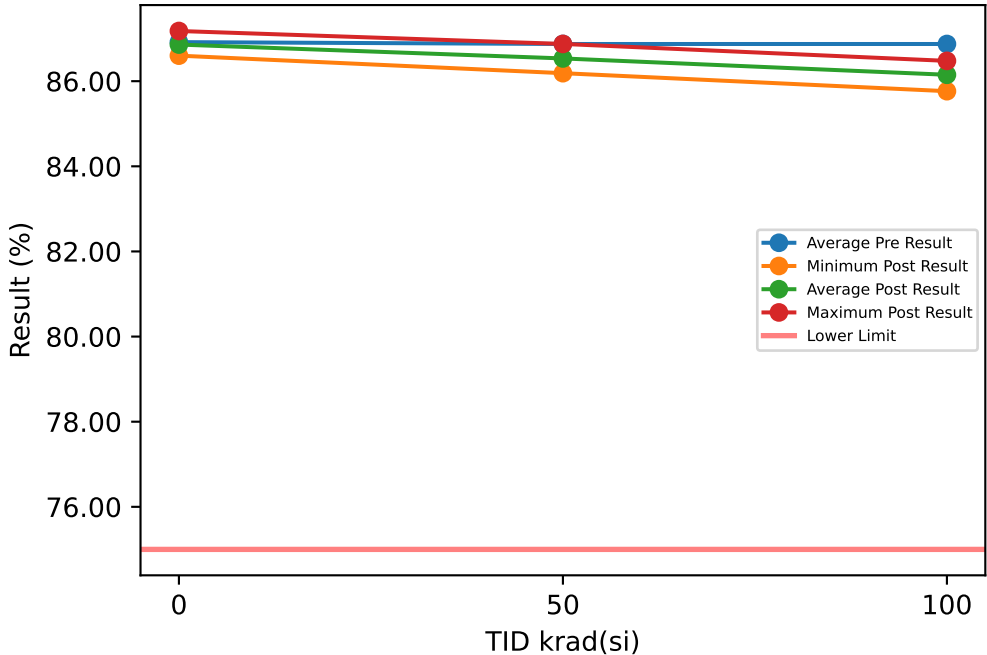
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 86.88      | 86.903      | 0.023  |
| 201      | 0        | Correlation         | 87.14      | 87.149      | 0.009  |
| 202      | 0        | Correlation         | 86.714     | 86.718      | 0.004  |
| 203      | 50       | Biased              | 86.898     | 86.581      | -0.317 |
| 204      | 50       | Biased              | 87.08      | 86.777      | -0.303 |
| 205      | 50       | Biased              | 86.867     | 86.53       | -0.337 |
| 206      | 50       | Biased              | 86.748     | 86.409      | -0.339 |
| 207      | 50       | Biased              | 86.933     | 86.606      | -0.327 |
| 208      | 50       | Biased              | 87.1       | 86.768      | -0.332 |
| 209      | 50       | Unbiased            | 86.801     | 86.491      | -0.31  |
| 210      | 50       | Unbiased            | 86.939     | 86.629      | -0.31  |
| 211      | 50       | Unbiased            | 86.624     | 86.231      | -0.393 |
| 212      | 50       | Unbiased            | 87.128     | 86.832      | -0.296 |
| 213      | 50       | Unbiased            | 86.754     | 86.434      | -0.32  |
| 214      | 50       | Unbiased            | 86.851     | 86.546      | -0.305 |
| 1200     | 0        | Correlation         | 86.88      | 86.766      | -0.114 |
| 1201     | 0        | Correlation         | 87.14      | 87.029      | -0.111 |
| 1202     | 0        | Correlation         | 86.714     | 86.596      | -0.118 |
| 1203     | 100      | Biased              | 86.898     | 86.279      | -0.619 |
| 1204     | 100      | Biased              | 87.08      | 86.491      | -0.589 |
| 1205     | 100      | Biased              | 86.867     | 86.23       | -0.637 |
| 1206     | 100      | Biased              | 86.748     | 86.086      | -0.662 |
| 1207     | 100      | Biased              | 86.933     | 86.283      | -0.65  |
| 1208     | 100      | Biased              | 87.1       | 86.47       | -0.63  |
| 1209     | 100      | Unbiased            | 86.801     | 86.058      | -0.743 |
| 1210     | 100      | Unbiased            | 86.939     | 86.214      | -0.725 |
| 1211     | 100      | Unbiased            | 86.624     | 85.827      | -0.797 |
| 1212     | 100      | Unbiased            | 87.128     | 86.42       | -0.708 |
| 1213     | 100      | Unbiased            | 86.754     | 86.002      | -0.752 |
| 1214     | 100      | Unbiased            | 86.851     | 86.118      | -0.733 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 86.714           | 86.911           | 87.14            | 0.19205          | 86.596            | 86.86             | 87.149            | 0.20622           | -0.118    | -0.051167 | 0.023     | 0.069511  |
| 50       | 86.624           | 86.894           | 87.128           | 0.15386          | 86.231            | 86.57             | 86.832            | 0.17145           | -0.393    | -0.32408  | -0.296    | 0.02571   |
| 100      | 86.624           | 86.894           | 87.128           | 0.15386          | 85.827            | 86.207            | 86.491            | 0.19953           | -0.797    | -0.68708  | -0.589    | 0.064267  |

Device Test: 6.98 ; VOH\_RESET\_10MA

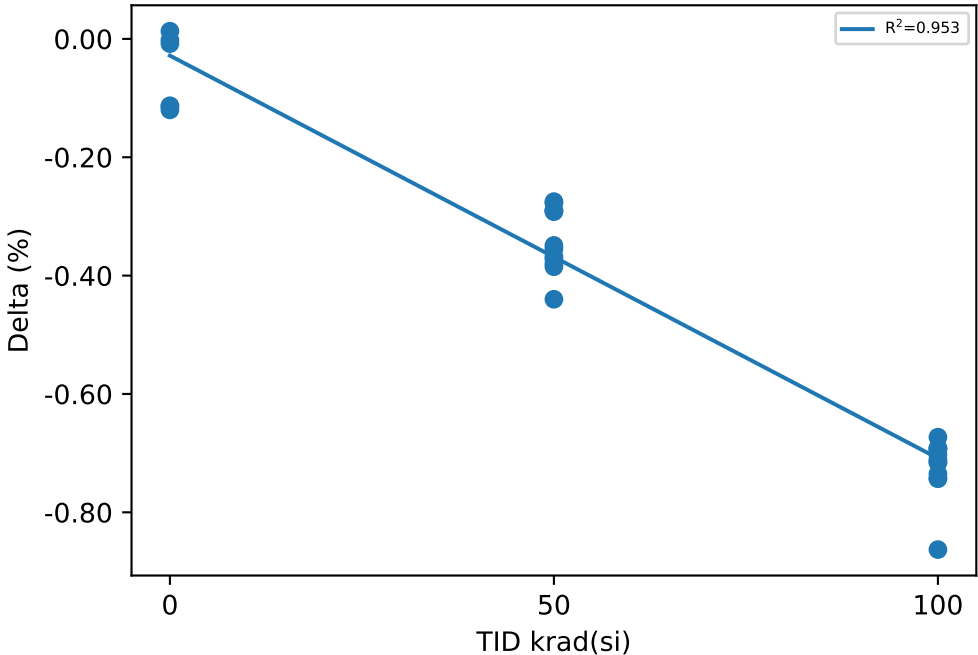
TID vs Result Stats



Test Results (Lower Limit = 75.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 86.852     | 86.865      | 0.013  |
| 201      | 0        | Correlation         | 87.181     | 87.179      | -0.002 |
| 202      | 0        | Correlation         | 86.72      | 86.712      | -0.008 |
| 203      | 50       | Biased              | 86.89      | 86.535      | -0.355 |
| 204      | 50       | Biased              | 87.055     | 86.706      | -0.349 |
| 205      | 50       | Biased              | 86.793     | 86.408      | -0.385 |
| 206      | 50       | Biased              | 86.684     | 86.304      | -0.38  |
| 207      | 50       | Biased              | 86.894     | 86.526      | -0.368 |
| 208      | 50       | Biased              | 87.081     | 86.709      | -0.372 |
| 209      | 50       | Unbiased            | 86.795     | 86.505      | -0.29  |
| 210      | 50       | Unbiased            | 86.943     | 86.653      | -0.29  |
| 211      | 50       | Unbiased            | 86.628     | 86.188      | -0.44  |
| 212      | 50       | Unbiased            | 87.15      | 86.875      | -0.275 |
| 213      | 50       | Unbiased            | 86.768     | 86.476      | -0.292 |
| 214      | 50       | Unbiased            | 86.804     | 86.527      | -0.277 |
| 1200     | 0        | Correlation         | 86.852     | 86.739      | -0.113 |
| 1201     | 0        | Correlation         | 87.181     | 87.067      | -0.114 |
| 1202     | 0        | Correlation         | 86.72      | 86.6        | -0.12  |
| 1203     | 100      | Biased              | 86.89      | 86.174      | -0.716 |
| 1204     | 100      | Biased              | 87.055     | 86.363      | -0.692 |
| 1205     | 100      | Biased              | 86.793     | 86.05       | -0.743 |
| 1206     | 100      | Biased              | 86.684     | 85.982      | -0.702 |
| 1207     | 100      | Biased              | 86.894     | 86.151      | -0.743 |
| 1208     | 100      | Biased              | 87.081     | 86.346      | -0.735 |
| 1209     | 100      | Unbiased            | 86.795     | 86.084      | -0.711 |
| 1210     | 100      | Unbiased            | 86.943     | 86.25       | -0.693 |
| 1211     | 100      | Unbiased            | 86.628     | 85.765      | -0.863 |
| 1212     | 100      | Unbiased            | 87.15      | 86.477      | -0.673 |
| 1213     | 100      | Unbiased            | 86.768     | 86.053      | -0.715 |
| 1214     | 100      | Unbiased            | 86.804     | 86.112      | -0.692 |

TID vs Post - Pre Exposure Delta

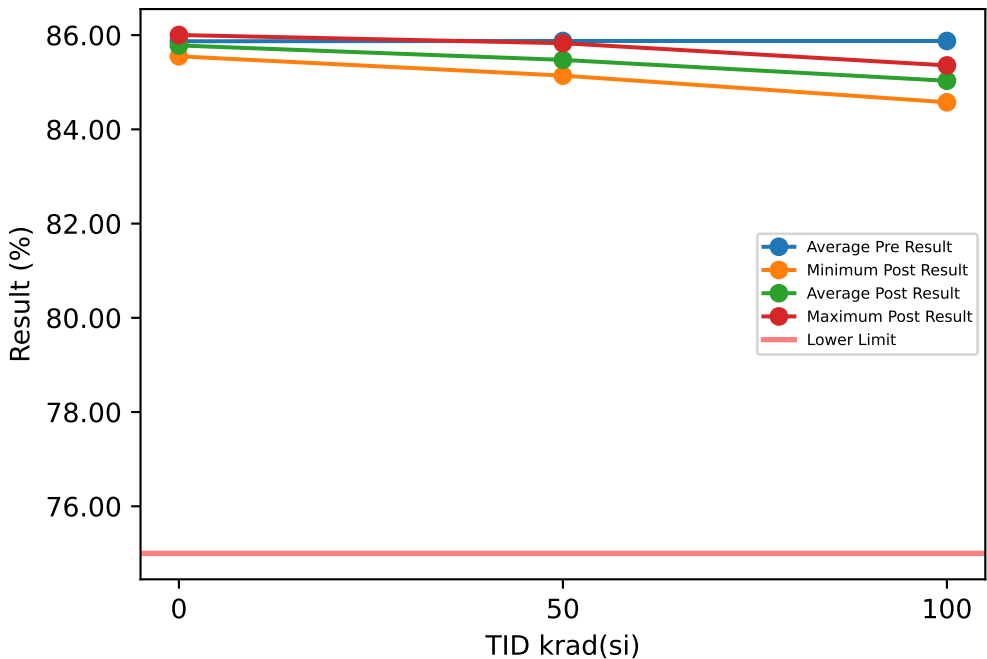


Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 86.72            | 86.918           | 87.181           | 0.21235          | 86.6              | 86.86             | 87.179            | 0.22306           | -0.12     | -0.057333 | 0.013     | 0.064311  |
| 50       | 86.628           | 86.874           | 87.15            | 0.16033          | 86.188            | 86.534            | 86.875            | 0.18671           | -0.44     | -0.33942  | -0.275    | 0.053286  |
| 100      | 86.628           | 86.874           | 87.15            | 0.16033          | 85.765            | 86.151            | 86.477            | 0.19139           | -0.863    | -0.72317  | -0.673    | 0.049141  |

Device Test: 6.99 ; VOH\_WDO\_10MA

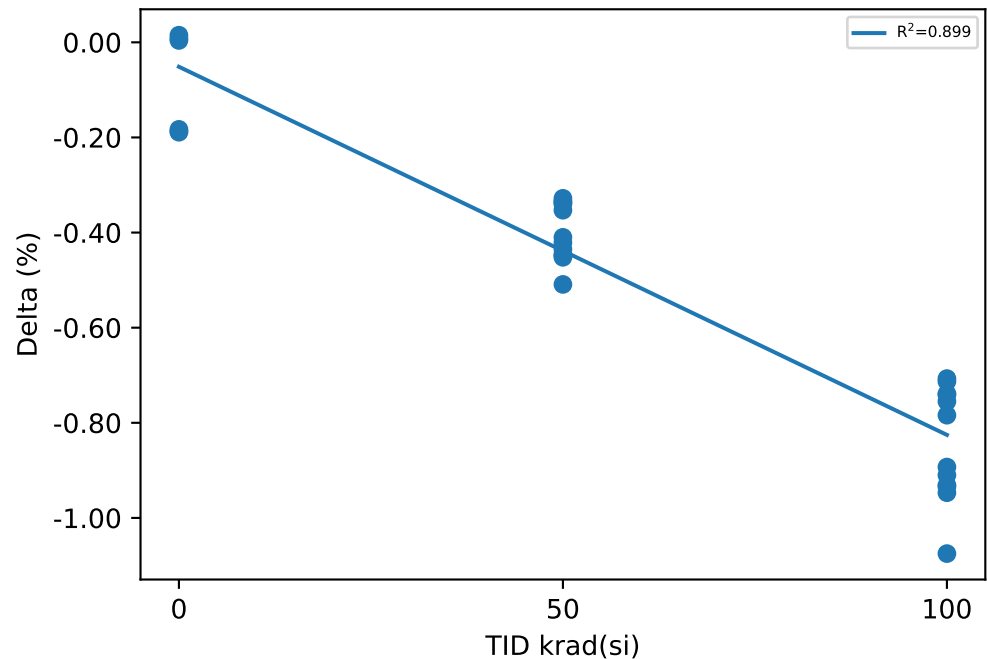
TID vs Result Stats



Test Results (Lower Limit = 75.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta  |
|----------|----------|---------------------|------------|-------------|--------|
| 200      | 0        | Correlation         | 85.876     | 85.891      | 0.015  |
| 201      | 0        | Correlation         | 85.995     | 86.003      | 0.008  |
| 202      | 0        | Correlation         | 85.738     | 85.742      | 0.004  |
| 203      | 50       | Biased              | 85.981     | 85.571      | -0.41  |
| 204      | 50       | Biased              | 86.007     | 85.586      | -0.421 |
| 205      | 50       | Biased              | 85.808     | 85.36       | -0.448 |
| 206      | 50       | Biased              | 85.659     | 85.207      | -0.452 |
| 207      | 50       | Biased              | 85.908     | 85.462      | -0.446 |
| 208      | 50       | Biased              | 86.097     | 85.662      | -0.435 |
| 209      | 50       | Unbiased            | 85.867     | 85.531      | -0.336 |
| 210      | 50       | Unbiased            | 85.876     | 85.536      | -0.34  |
| 211      | 50       | Unbiased            | 85.65      | 85.141      | -0.509 |
| 212      | 50       | Unbiased            | 86.157     | 85.829      | -0.328 |
| 213      | 50       | Unbiased            | 85.746     | 85.393      | -0.353 |
| 214      | 50       | Unbiased            | 85.752     | 85.417      | -0.335 |
| 1200     | 0        | Correlation         | 85.876     | 85.687      | -0.189 |
| 1201     | 0        | Correlation         | 85.995     | 85.812      | -0.183 |
| 1202     | 0        | Correlation         | 85.738     | 85.551      | -0.187 |
| 1203     | 100      | Biased              | 85.981     | 85.268      | -0.713 |
| 1204     | 100      | Biased              | 86.007     | 85.3        | -0.707 |
| 1205     | 100      | Biased              | 85.808     | 85.067      | -0.741 |
| 1206     | 100      | Biased              | 85.659     | 84.875      | -0.784 |
| 1207     | 100      | Biased              | 85.908     | 85.153      | -0.755 |
| 1208     | 100      | Biased              | 86.097     | 85.358      | -0.739 |
| 1209     | 100      | Unbiased            | 85.867     | 84.936      | -0.931 |
| 1210     | 100      | Unbiased            | 85.876     | 84.966      | -0.91  |
| 1211     | 100      | Unbiased            | 85.65      | 84.575      | -1.075 |
| 1212     | 100      | Unbiased            | 86.157     | 85.264      | -0.893 |
| 1213     | 100      | Unbiased            | 85.746     | 84.799      | -0.947 |
| 1214     | 100      | Unbiased            | 85.752     | 84.818      | -0.934 |

TID vs Post - Pre Exposure Delta



Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|----------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------|-----------|-----------|-----------|
| 0        | 85.738           | 85.87            | 85.995           | 0.11504          | 85.551            | 85.781            | 86.003            | 0.15849           | -0.189    | -0.088667 | 0.015     | 0.10706   |
| 50       | 85.65            | 85.876           | 86.157           | 0.16297          | 85.141            | 85.475            | 85.829            | 0.18963           | -0.509    | -0.40108  | -0.328    | 0.060356  |
| 100      | 85.65            | 85.876           | 86.157           | 0.16297          | 84.575            | 85.032            | 85.358            | 0.24321           | -1.075    | -0.84408  | -0.707    | 0.11889   |



## 7 Revision History

NOTE: Page numbers for previous revisions may differ from page numbers in the current version.

| <b>Changes from Revision * (August 2025) to Revision A (April 2026)</b> | <b>Page</b>        |
|-------------------------------------------------------------------------|--------------------|
| • Added LDR data with accompanying device and setup information.....    | <a href="#">13</a> |

## IMPORTANT NOTICE AND DISCLAIMER

TI PROVIDES TECHNICAL AND RELIABILITY DATA (INCLUDING DATASHEETS), DESIGN RESOURCES (INCLUDING REFERENCE DESIGNS), APPLICATION OR OTHER DESIGN ADVICE, WEB TOOLS, SAFETY INFORMATION, AND OTHER RESOURCES "AS IS" AND WITH ALL FAULTS, AND DISCLAIMS ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT OF THIRD PARTY INTELLECTUAL PROPERTY RIGHTS.

These resources are intended for skilled developers designing with TI products. You are solely responsible for (1) selecting the appropriate TI products for your application, (2) designing, validating and testing your application, and (3) ensuring your application meets applicable standards, and any other safety, security, regulatory or other requirements.

These resources are subject to change without notice. TI grants you permission to use these resources only for development of an application that uses the TI products described in the resource. Other reproduction and display of these resources is prohibited. No license is granted to any other TI intellectual property right or to any third party intellectual property right. TI disclaims responsibility for, and you fully indemnify TI and its representatives against any claims, damages, costs, losses, and liabilities arising out of your use of these resources.

TI's products are provided subject to [TI's Terms of Sale](#), [TI's General Quality Guidelines](#), or other applicable terms available either on [ti.com](#) or provided in conjunction with such TI products. TI's provision of these resources does not expand or otherwise alter TI's applicable warranties or warranty disclaimers for TI products. Unless TI explicitly designates a product as custom or customer-specified, TI products are standard, catalog, general purpose devices.

TI objects to and rejects any additional or different terms you may propose.

Copyright © 2026, Texas Instruments Incorporated

Last updated 10/2025