Radiation Report

TPS7H3034-SP Total Ionizing Dose (TID) Report

ABSTRACT

This report discusses the total ionizing dose (TID) parametric results for TPS7H3034-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) radiation up to 100krad(Si). The results show that all samples passed within the specified limits up to 100krad(Si).

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1 Device Information

1.1 Product Description

The TPS7H3034-SP is an integrated, 3V to 14V, four-channel radiation-hardness-assured power-supply supervisor with watchdog. An accurate 599mV ±1% threshold voltage and a 24µA ±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 TPS7H3034-SP is packaged in a 22-pin CFP (ceramic flat package) package. A standard microcircuit drawing (SMD) is available for the QML variant, 5962R2420603VXC.

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	TPS7H3034-SP
TI Part Name	5962R2420603VXC
Package	22-pin CFP (HFT)
Technology	LBC7
Quantity Tested	HDR: 50 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	142.9621 rads(Si)/s
HDR Radiation Source	Gammacell (Hopewell, GR420) Co-60
Irradiation Temperature	Ambient room temperature

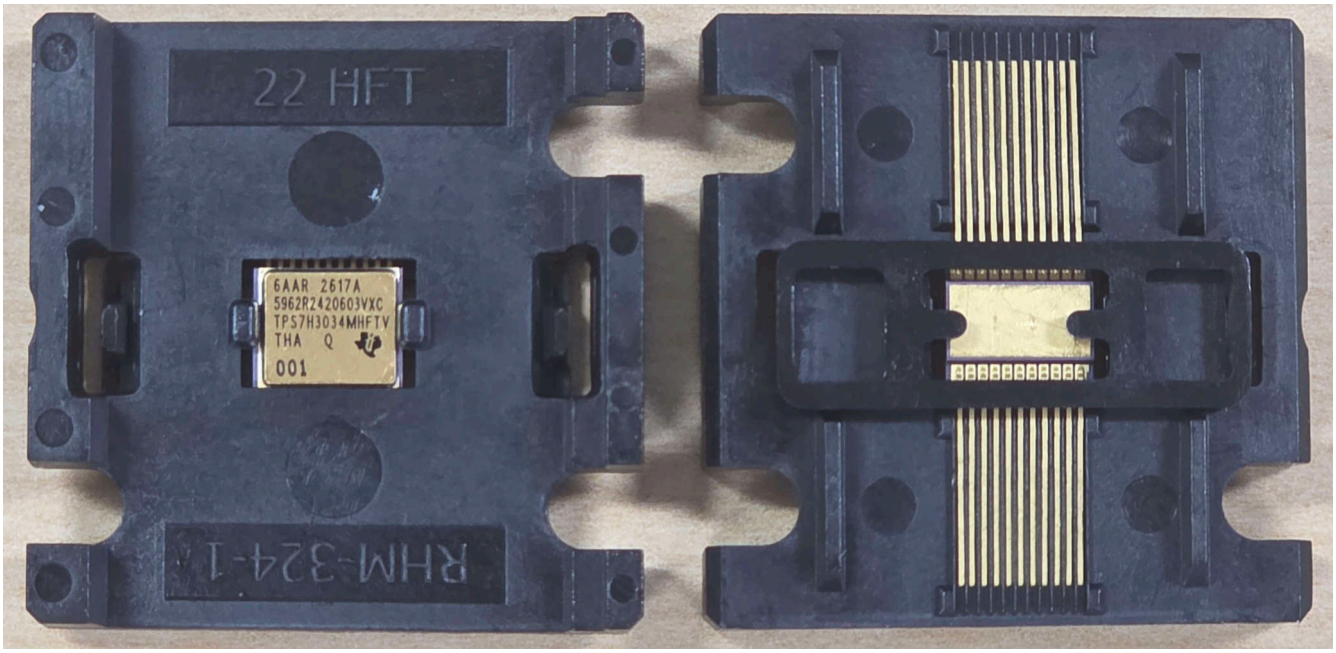


Figure 1-1. TPS7H3034-SP Device

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2 Total Dose Test Setup

2.1 Test Overview

The TPS7H3034-SP was tested according to MIL-STD-883, Test Method 1019.9. For this testing, Condition A was used. The product was irradiated up to the target radiation level, and then put through full electrical parametric testing on the production automated test equipment (ATE). All devices remained functional passing all parametric test limits.

2.2 Test Description and Facilities

The TPS7H3034-SP HDR exposure was performed on biased and unbiased devices in a Co-60 gamma cell at TI facility in Dallas, Texas. The unattenuated dose rate of this cell is 142.9621 rads(Si)/s. After the exposures, the devices were brought to Junkins Laboratory at Texas Instruments in Dallas for full post-radiation electrical evaluation using Texas Instruments ATE. ATE test limits are set per datasheet electrical limits based on qualification and characterization data.

2.3 Test Setup Details

The devices under HDR exposure were tested in two conditions (biased and unbiased) as described in the following sections.

2.3.1 Unbiased

For the unbiased HDR conditions, the exposure was performed with all pins grounded.

2.3.2 Biased

Figure 2-1 shows the diagram for HDR exposure with biased conditions.

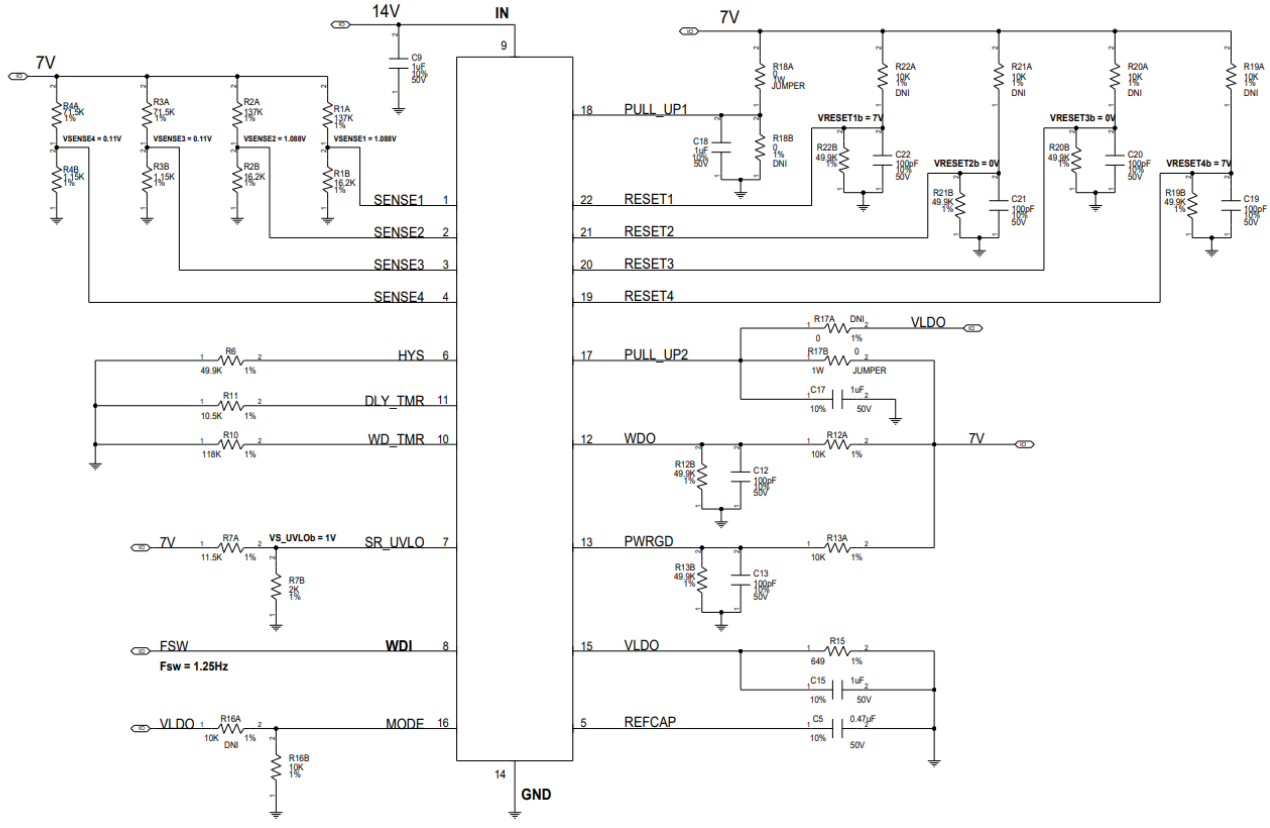


Figure 2-1. Bias Diagram Used in TID Exposure

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2.4 Test Configuration and Condition

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

Table 2-1. HDR Biased Device Information

Total Samples: 25					
Exposure Levels					
Control	3krad(Si)	10krad(Si)	30krad(Si)	50krad(Si)	100krad(Si)
53, 54, 55, 56	1, 3, 4, 5, 6	17, 18, 19, 20, 21	22, 23, 24, 25, 26	32, 33, 34, 35, 36	43, 44, 45, 46, 47

Table 2-2. HDR Unbiased Device Information

Total Samples: 25					
Exposure Levels					
Control	3krad(Si)	10krad(Si)	30krad(Si)	50krad(Si)	100krad(Si)
53, 54, 55, 56	7, 8, 9, 10, 11	12, 13, 14, 15, 16	27, 28, 29, 30, 31	37, 39, 40, 41, 42	48, 49, 50, 51, 52

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3 TID Characterization Test Results

3.1 TID Characterization Summary Results

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

Overall, the TPS7H3024-SP showed a strong degree of hardness to HDR 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).

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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_{IN} quiescent current	$V_{SR\_\overline{UVLO}} > V_{TH\_SR\_\overline{UVLO}\_RISING\ (MAX)}$	1, 2, 3		1.5	2.5	mA	6.5, 6.6, 6.7, 6.8
V_{IN} shutdown current	$V_{SR\_\overline{UVLO}} = 0$	1, 2, 3		1.5	2.1		6.1 and 6.2
V_{IN} rising undervoltage lockout		1, 2, 3	2.73	2.80	2.88	V	6.138
V_{IN} falling undervoltage lockout		1, 2, 3	2.58	2.65	2.72		6.139
Internal linear regulator output voltage	4V ≤ V_{IN} ≤ 14V	1, 2, 3	3.23	3.29	3.37	V	6.10 and 6.11
	V_{IN} = 3V	1, 2, 3	98%	99%		× V_{IN}	6.9
VLDO maximum current	3.65V ≤ VIN ≤ 14V, VLDO= 98.5% x $VLDO_{(NOM)}$	1, 2, 3			5	mA	6.12, 6.13
Internal bandgap voltage		1, 2, 3	1.188	1.2	1.212	V	6.14 and 6.15
IN power on reset voltage	1.6V ≤ V_{PULL_UPx} ≤ 7V, V_{OL} ≤ 320mV with $I_{\overline{RESETx}}$ = –1mA	1, 2, 3		1.42	2		6.140, 6.141, 6.142, 6.143, 6.144, 6.145, 6.146, 6.147, 6.148, 6.149
PULL_UPx power on reset voltage	V_{IN} = 0V, V_{OL} ≤ 320mV with $I_{\overline{RESETx}}$ = –100µA	1, 2, 3		0.85	1.1		6.150, 6.151, 6.152, 6.153, 6.154
V_{HYS}	R_{HYS} = 49.9kΩ	1, 2, 3	1.164	1.2	1.236		6.156
SENSE1 TO SENSE4, UP AND $\overline{DOWN}$ 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_{SENSEx} = 700mV	1, 2, 3	23.28	24	24.72	µA	6.26, 6.27, 6.28, 6.29, 6.30, 6.31, 6.32, 6.33
Input leakage current at SENSEx	V_{SENSEx} = 500mV	1, 2, 3		1	100	nA	6.18, 6.19, 6.20, 6.21, 6.22, 6.23, 6.24, 6.25
Rising threshold voltage at $\overline{SR\_SVLO}$		1, 2, 3	580	602	618	mV	13.33, 13.36, 13.39, 13.42
Falling threshold voltage at $\overline{SR\_SVLO}$		1, 2, 3	475	499	517		13.34, 13.37, 13.40, 13.43
Input leakage current at $\overline{SR\_SVLO}$	$V_{SR\_\overline{UVLO}}$ = 7V	1, 2, 3		2	100	nA	6.16 and 6.17
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_{WDI} = 7V	1, 2, 3		1.4	100	nA	6.38 and 6.39
Rising threshold voltage at MODE		1, 2, 3	576	600	623	mV	13.48

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3.2.1 Electrical Characteristics (continued)

Parameter	Test Conditions		Sub-Group	MIN	TYP	MAX	UNIT	Test Number
Falling threshold voltage at MODE			1, 2, 3	475	498	520	mV	13.49
Input leakage current at MODE	V_{MODE} = 7V		1, 2, 3		1	100	nA	6.40 and 6.41
$\overline{RESET1}$ TO $\overline{RESET4}$, PWRGD AND $\overline{WDO}$ PUSH PULL OUTPUTS								
PULL_UPx leakage current	**V_{PULL_UPx} = 7V, $\overline{RESETx}$ = LOW**		**1, 2, 3**		**48**	**100**	**µA**	6.34, 6.35, 6.36, 6.37
Low-level $\overline{RESETx}$ output voltage	1.6V ≤ V_{PULL_UP1} ≤ 7V	I_{LOAD} = –2mA	1, 2, 3			5%	x V_{PULL_UP1}	6.66, 6.67, 6.68, 6.69, 6.72, 6.73, 6.74, 6.75, 6.78, 6.79, 6.80, 6.81, 6.84, 6.85, 6.86, 6.87
		I_{LOAD} = –10mA	1, 2, 3			23%		6.114, 6.115, 6.116, 6.117, 6.120, 6.121, 6.122, 6.123, 6.126, 6.127, 6.128, 6.129, 6.132, 6.133, 6.134, 6.135
High-level $\overline{RESETx}$ output voltage	1.6V ≤ V_{PULL_UP1} ≤ 7V	I_{LOAD} = 2mA	1, 2, 3	95%				6.42, 6.43, 6.44, 6.45, 6.48, 6.49, 6.50, 6.51, 6.54, 6.55, 6.56, 6.57, 6.60, 6.61, 6.62, 6.63
		I_{LOAD} = 10mA	1, 2, 3	75%				6.90, 6.91, 6.92, 6.93, 6.96, 6.97, 6.98, 6.99, 6.102, 6.103, 6.104, 6.105, 6.108, 6.109, 6.110, 6.111
Low-level PWRGD output voltage	1.6V ≤ V_{PULL_UP2} ≤ 7V	I_{LOAD} = –2mA	1, 2, 3			5%	x V_{PULL_UP2}	6.71, 6.77, 6.83, 6.89
		I_{LOAD} = –10mA	1, 2, 3			23%		6.119, 6.125, 6.131, 6.137
High-level PWRGD output voltage	1.6V ≤ V_{PULL_UP2} ≤ 7V	I_{LOAD} = 2mA	1, 2, 3	95%				6.47, 6.53, 6.59, 6.65
		I_{LOAD} = 10mA	1, 2, 3	75%				6.95, 6.101, 6.107, 6.113
Low-level $\overline{WDO}$ output voltage	1.6V ≤ V_{PULL_UP2} ≤ 7V	I_{LOAD} = –2mA	1, 2, 3			5%		6.70, 6.76, 6.82, 6.88
		I_{LOAD} = –10mA	1, 2, 3			23%		6.118, 6.124, 6.130, 6.136
High-level $\overline{WDO}$ output voltage	1.6V ≤ V_{PULL_UP2} ≤ 7V	I_{LOAD} = 2mA	1, 2, 3	95%				6.46, 6.52, 6.58, 6.64
		I_{LOAD} = 10mA	1, 2, 3	75%				6.94, 6.100, 6.106, 6.112

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3.2.1 Electrical Characteristics (continued)

Parameter	Test Conditions		Sub-Group	MIN	TYP	MAX	UNIT	Test Number
$\overline{\text{RESETx}}$ rising output voltage slew rate	10% to 90% of V_{PULL_UP1}, R_{LOAD} = 50kΩ, C_{LOAD} = 100pF	1.6V ≤ V_{PULL_UP1} ≤ 7V	9, 10, 11	17	298		V/µs	19.1, 19.2, 19.3, 19.4, 19.13, 19.14, 19.15, 19.16, 19.25, 19.26, 19.27, 19.28, 19.37, 19.38, 19.39, 19.40
PWRGD rising output voltage slew rate			9, 10, 11	17	298			19.5, 19.17, 19.29, 19.41
$\overline{\text{WDO}}$ rising output voltage slew rate			9, 10, 11	17	298			19.6, 19.18, 19.30, 19.42
$\overline{\text{RESETx}}$ falling output voltage slew rate	90% to 10% of V_{PULL_UP1}, R_{LOAD} = 50kΩ, C_{LOAD} = 100pF	1.6V ≤ V_{PULL_UP1} ≤ 7V	9, 10, 11	44	186			19.7, 19.8, 19.9, 19.10, 19.19, 19.20, 19.21, 19.22, 19.31, 19.32, 19.33, 19.34, 19.43, 19.44, 19.45, 19.46
PWRGD falling output voltage slew rate			9, 10, 11	44	186			19.11, 19.23, 19.35, 19.47
$\overline{\text{WDO}}$ falling output voltage slew rate			9, 10, 11	44	186			19.12, 19.24, 19.36, 19.48
$\overline{\text{RESET}}$ PMOS source output resistance	I_{LOAD} = 2mA	1.6V ≤ V_{PULL_UP1} ≤ 3.3V	1, 2, 3		20	40	Ω	18.1, 18.2, 18.3, 18.4, 18.7, 18.8, 18.9, 18.10
		3.3V ≤ V_{PULL_UP1} ≤ 7V	1, 2, 3		9	20		18.13, 18.14, 18.15, 18.16, 18.19, 18.20, 18.21, 18.22
PWRGD PMOS source output resistance	I_{LOAD} = 2mA	1.6V ≤ V_{PULL_UP2} ≤ 3.3V	1, 2, 3		20	40		18.5, 18.11
		3.3V ≤ V_{PULL_UP2} ≤ 7V	1, 2, 3		9	20		18.17, 18.23
$\overline{\text{WDO}}$ PMOS source output resistance	I_{LOAD} = 2mA	1.6V ≤ V_{PULL_UP2} ≤ 3.3V	1, 2, 3		20	40		18.6, 18.12
		3.3V ≤ V_{PULL_UP2} ≤ 7V	1, 2, 3		9	20		18.18, 18.24

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3.2.1 Electrical Characteristics (continued)

Parameter	Test Conditions	Sub-Group	MIN	TYP	MAX	UNIT	Test Number
$\overline{\text{RESET}}$ NMOS sink output resistance	I_{LOAD} = –2mA, 1.6V ≤ V_{PULL_UP1} ≤ 7V	1, 2, 3		16	36		18.25, 18.26, 18.27, 18.28, 18.31, 18.32, 18.33, 18.34, 18.37, 18.38, 18.39, 18.40, 18.43, 18.44, 18.45, 18.46
PWRGD NMOS sink output resistance	I_{LOAD} = –2mA, 1.6V ≤ V_{PULL_UP1} ≤ 7V	1, 2, 3		16	36		18.29, 18.35, 18.41, 18.47
$\overline{\text{WDO}}$ NMOS sink output resistance	I_{LOAD} = –2mA, 1.6V ≤ V_{PULL_UP1} ≤ 7V	1, 2, 3		16	36		18.30, 18.36, 18.42, 18.48
DELAY AND WATCHDOG TIMERS							
Delay time	R_{DLY_TMR} = 10.5kΩ	1, 2, 3	0.22	0.26	0.33	ms	5.21, 5.22, 5.24, 5.25, 5.26, 5.39, 5.40, 5.42, 5.43, 5.44, 5.57, 5.58, 5.60, 5.61, 5.62, 5.75, 5.76, 5.78, 5.79, 5.80
	R_{DLY_TMR} = 619kΩ	1, 2, 3	11.3	12.5	13.7		5.27, 5.28, 5.30, 5.31, 5.32, 5.45, 5.46, 5.48, 5.49, 5.50, 5.63, 5.64, 5.66, 5.67, 5.68, 5.81, 5.82, 5.84, 5.85, 5.86
	R_{DLY_TMR} = 1.18MΩ	1, 2, 3	21.3	23.7	26.2		5.33, 5.34, 5.36, 5.37, 5.38, 5.51, 5.52, 5.54, 5.55, 5.56, 5.69, 5.70, 5.72, 5.73, 5.74, 5.87, 5.88, 5.90, 5.91, 5.92
Watchdog time-out	R_{WD_TMR} = 56.2kΩ	1, 2, 3	0.43	0.52	0.57	s	5.23, 5.41, 5.59, 5.77
	R_{WD_TMR} = 118kΩ	1, 2, 3	0.8	1	1.2		5.29, 5.47, 5.65, 5.83
	R_{WD_TMR} = 174kΩ	1, 2, 3	1.34	1.5	1.7		5.35, 5.53, 5.71, 5.89

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3.2.2 Timing Requirements

Parameter	Test Conditions		Sub-Group	MIN	TYP	MAX	UNIT	Test Number
Start-up delay time	V_{REFCAP} ≥ 1.1V		1, 2, 3		0.3	2.8	ms	6.155
$\overline{RESET}$ propagation delay	DLY_TMR = Open, $V_{OVERDRIVE}$ = 10mV, SR_{SENSEx} = 27V/µs, from 50% of SENSEx to 50% of $\overline{RESETx}$		1, 2, 3		0.62	4.3	µs	5.1, 5.2, 5.4, 5.5, 5.6, 5.7, 5.9, 5.10, 5.11, 5.12, 5.14, 5.15, 5.16, 5.17, 5.19, 5.20
PWRGD propagation delay	DLY_TMR = Open, $V_{OVERDRIVE}$ = 10mV, SR_{SENSEx} = 27V/µs, from 50% of V_{SENSEx} to 50% of V_{PWRGD}		1, 2, 3		0.51	4.3	µs	5.3, 5.8, 5.13, 5.18
SR_$\overline{UVLO}$ propagation delay	$V_{SR\_\overline{FAULT}}$ = Falling from 1V to 0V in 10ns, V_{SENSEx} = 610mV, from 50% of $V_{SR\_\overline{UVLO}}$ to 50% of V_{PWRGD}		1, 2, 3		0.92	2	µs	5.105, 5.106, 5.107, 5.108, 5.109, 5.110, 5.111, 5.112
WDI propagation delay	V_{WDI} = Rising from 0V to 1V in 10ns, VSENSEx = 610mV, from 50% of V_{WDI} to 50% of V_{WDO}	t_{WD_TMR} = 0.52s	1, 2, 3		23	40	µs	5.93, 5.94, 5.95, 5.96
		t_{WD_TMR} = 1s			47	80		5.97, 5.98, 5.99, 5.100
		t_{WD_TMR} = 1.5s			68	116		5.101, 5.102, 5.103, 5.104
WDI minimum pulse width			4, 5, 6	2			× t_{WD_OSC}	25.11, 25.12, 25.13, 25.14, 25.15, 25.16
SR_UVLO minimum pulse width for valid reset			4, 5, 6		0.61	1.1	µs	25.1, 25.2
VSENSEx hold time for valid fault detection		C_{LOAD} = 100pF, $V_{OVERDRIVE}$ = |100mV|	4, 5, 6		0.56	2.2	µs	25.3, 25.4, 25.5, 25.6, 25.7, 25.8, 25.9, 25.10

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4 Applicable and Reference Documents

4.1 Applicable Documents

- Texas Instruments, *TPS7H3xx4-SP Radiation-Hardness-Assured, 14-V, 4-Channel Supervisor with Watchdog*, datasheet.
- Texas Instruments, *TPS7H3xx4EVM-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.

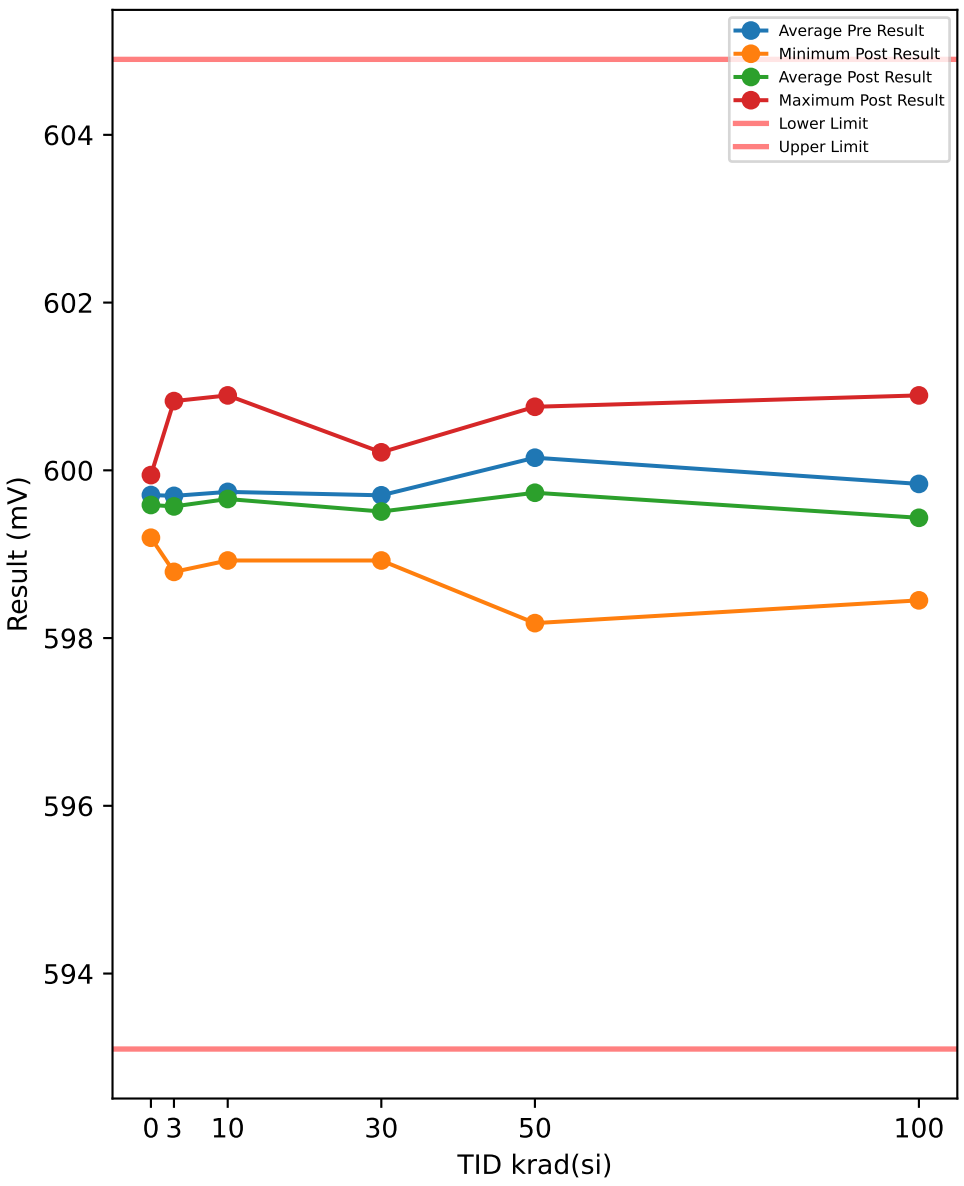
A Appendix: HDR TID Report Data

This appendix contains the HDR TID report data.

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Device Test: 13.1; VTH_SENSE

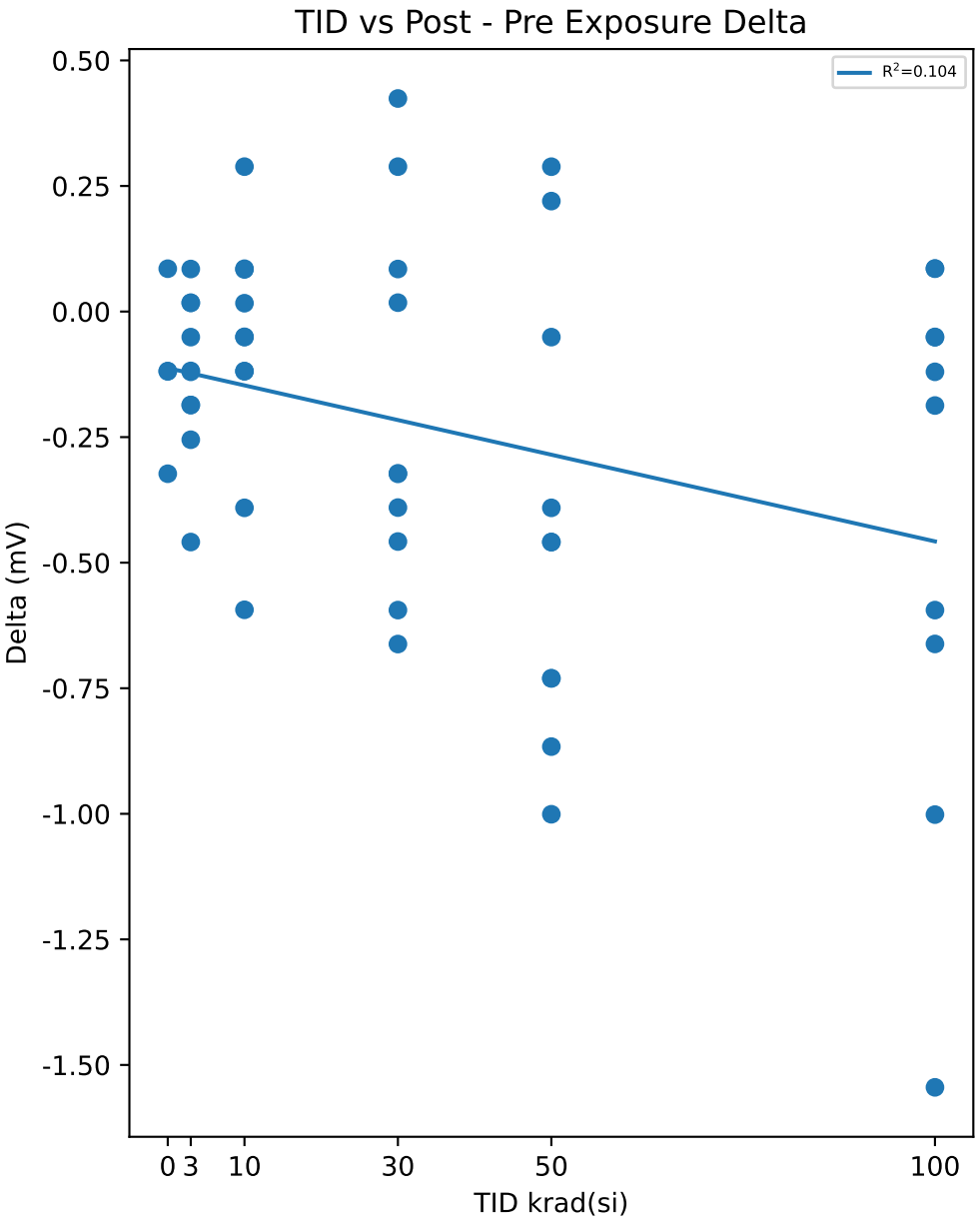
TID vs Result Stats



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

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.54	600.08	-0.4589
3	3	Biased	599.04	598.86	-0.1861
4	3	Biased	600.95	600.83	-0.12
5	3	Biased	600.47	600.21	-0.2552
6	3	Biased	599.72	599.67	-0.0509
7	3	Unbiased	599.25	599.26	0.0174
8	3	Unbiased	598.98	598.79	-0.1861
9	3	Unbiased	599.18	599.2	0.0174
10	3	Unbiased	599.86	599.94	0.0847
11	3	Unbiased	598.98	598.86	-0.1182
12	10	Unbiased	599.59	599.88	0.2885
13	10	Unbiased	599.25	599.33	0.0853
14	10	Unbiased	600.2	599.81	-0.3908
15	10	Unbiased	600.2	600.21	0.0166
16	10	Unbiased	598.98	598.92	-0.0503
17	10	Biased	599.52	598.92	-0.5938
18	10	Biased	599.45	599.33	-0.1186
19	10	Biased	600.81	600.89	0.0838
20	10	Biased	599.72	599.67	-0.0509
21	10	Biased	599.72	599.6	-0.1188
22	30	Biased	599.38	598.92	-0.4579
23	30	Biased	599.72	599.33	-0.3903
24	30	Biased	599.79	599.13	-0.662
25	30	Biased	599.65	599.94	0.2885
26	30	Biased	599.79	599.88	0.0847
27	30	Unbiased	599.31	598.99	-0.3221
28	30	Unbiased	600.47	600.15	-0.3231
29	30	Unbiased	599.79	600.21	0.4242
30	30	Unbiased	600.2	599.6	-0.5944
31	30	Unbiased	598.91	598.92	0.0177
32	50	Biased	600.47	599.6	-0.8662
33	50	Biased	600.33	599.6	-0.7303
34	50	Biased	600.13	599.74	-0.3908
35	50	Biased	599.72	599.67	-0.0509
36	50	Biased	600.27	599.54	-0.7302
37	50	Unbiased	599.18	598.18	-1.0009
39	50	Unbiased	600.47	600.01	-0.4589
40	50	Unbiased	599.79	600.08	0.2884
41	50	Unbiased	600.61	600.15	-0.459
42	50	Unbiased	600.54	600.76	0.2199
43	100	Biased	599.18	599.13	-0.0505
44	100	Biased	599.72	599.06	-0.6618
45	100	Biased	598.7	598.79	0.0857
46	100	Biased	599.99	598.45	-1.5446
47	100	Biased	600.06	599.47	-0.5944
48	100	Unbiased	600.06	599.06	-1.0016
49	100	Unbiased	600.27	600.21	-0.0513
50	100	Unbiased	601.01	600.89	-0.12
51	100	Unbiased	599.25	599.33	0.0853
52	100	Unbiased	600.13	599.94	-0.1871
53	0	Correlation	599.31	599.2	-0.1185
54	0	Correlation	599.99	599.88	-0.1191
55	0	Correlation	600.27	599.94	-0.3229
56	0	Correlation	599.25	599.33	0.0853

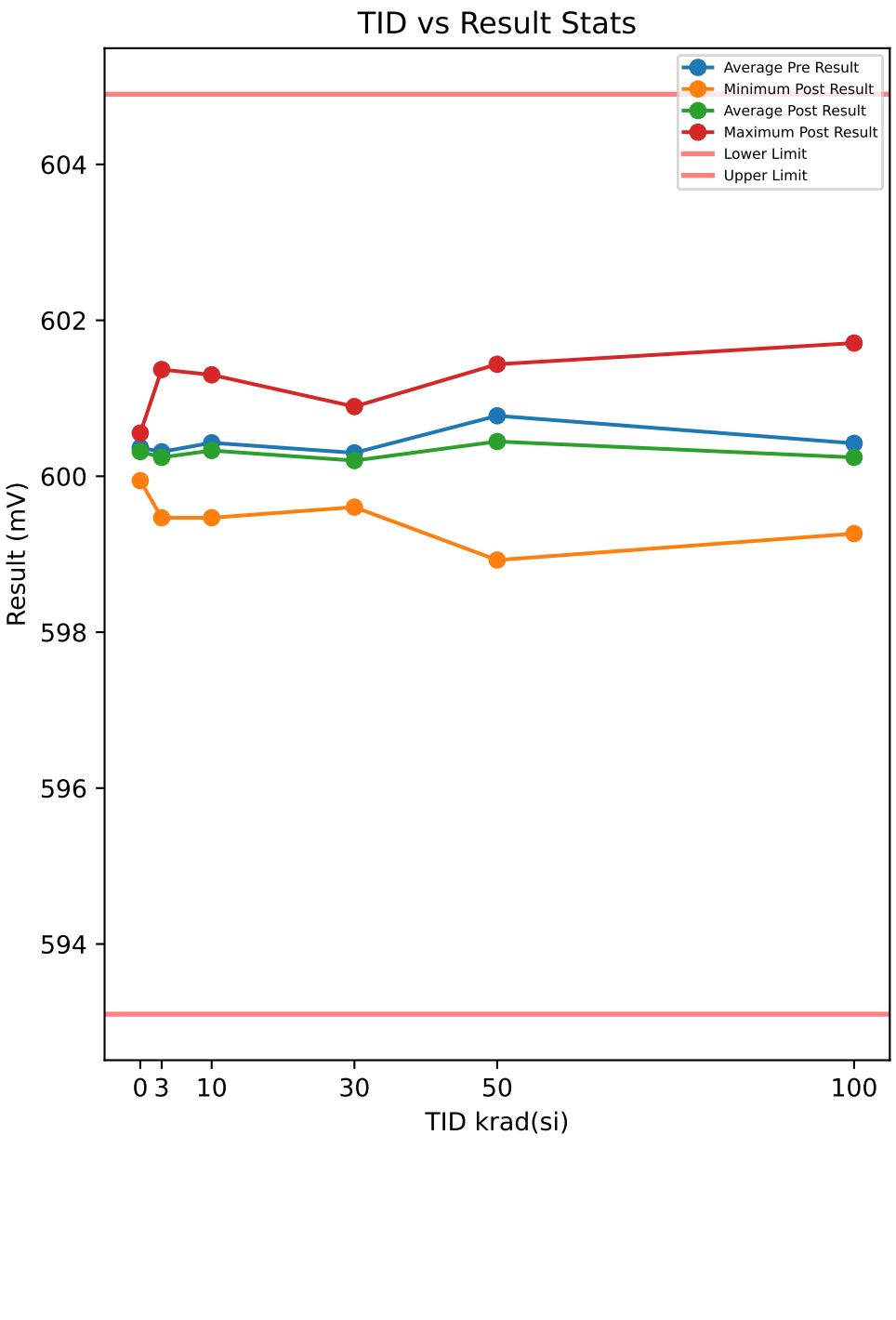
TID vs Post - Pre Exposure Delta

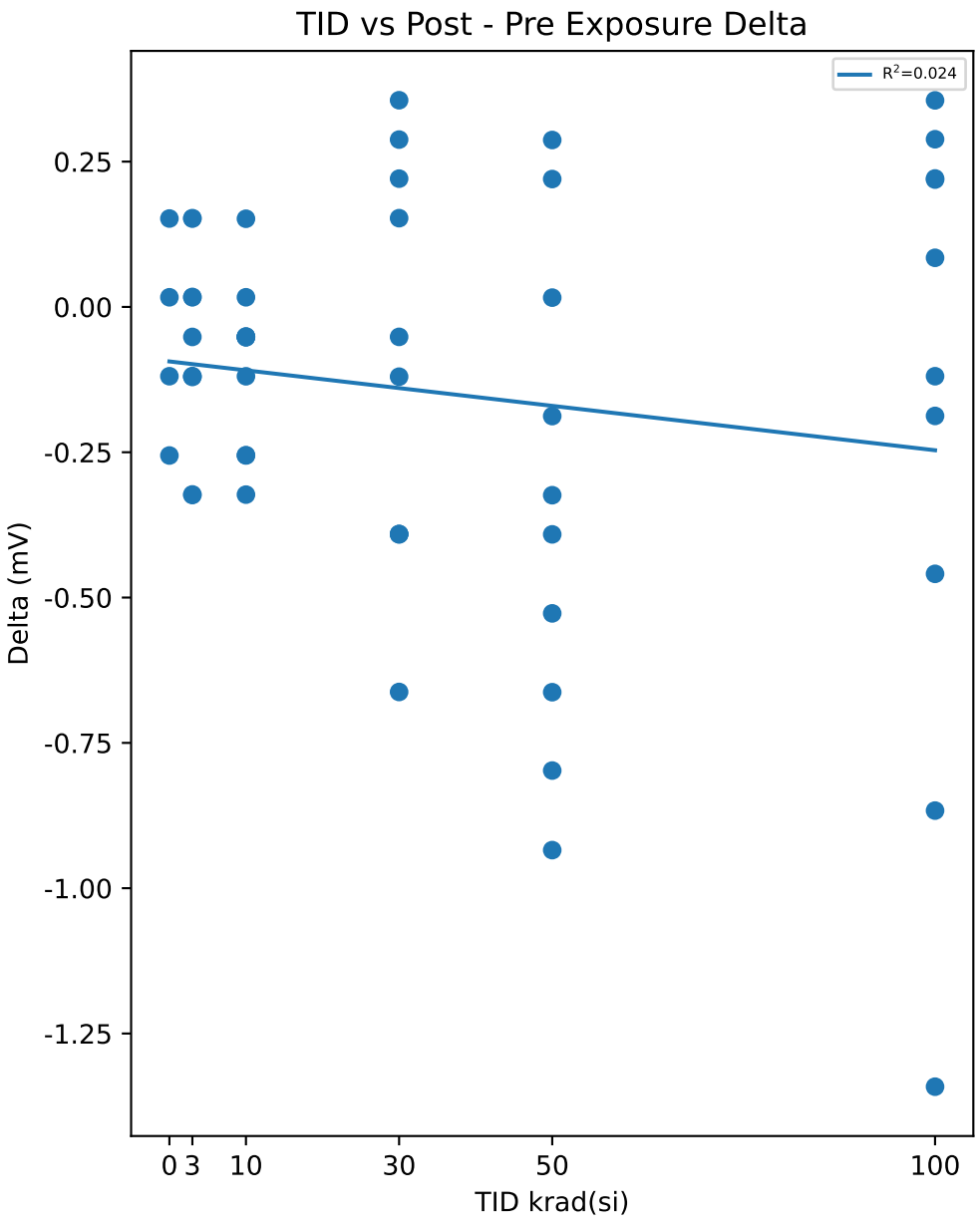


Test Statistics (mV)

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	599.25	599.71	600.27	0.50347	599.2	599.59	599.94	0.37743	-0.3229	-0.1188	0.0853	0.16665
3	598.98	599.7	600.95	0.73259	598.79	599.57	600.83	0.68799	-0.4589	-0.12559	0.0847	0.15846
10	598.98	599.74	600.81	0.53213	598.92	599.66	600.89	0.5959	-0.5938	-0.0849	0.2885	0.25041
30	598.91	599.7	600.47	0.44038	598.92	599.51	600.21	0.5122	-0.662	-0.19347	0.4242	0.37388
50	599.18	600.15	600.61	0.45526	598.18	599.73	600.76	0.65929	-1.0009	-0.41789	0.2884	0.44478
100	598.7	599.84	601.01	0.65486	598.45	599.43	600.89	0.72777	-1.5446	-0.40403	0.0857	0.53925

Device Test: 13.10; VTH_SENSE





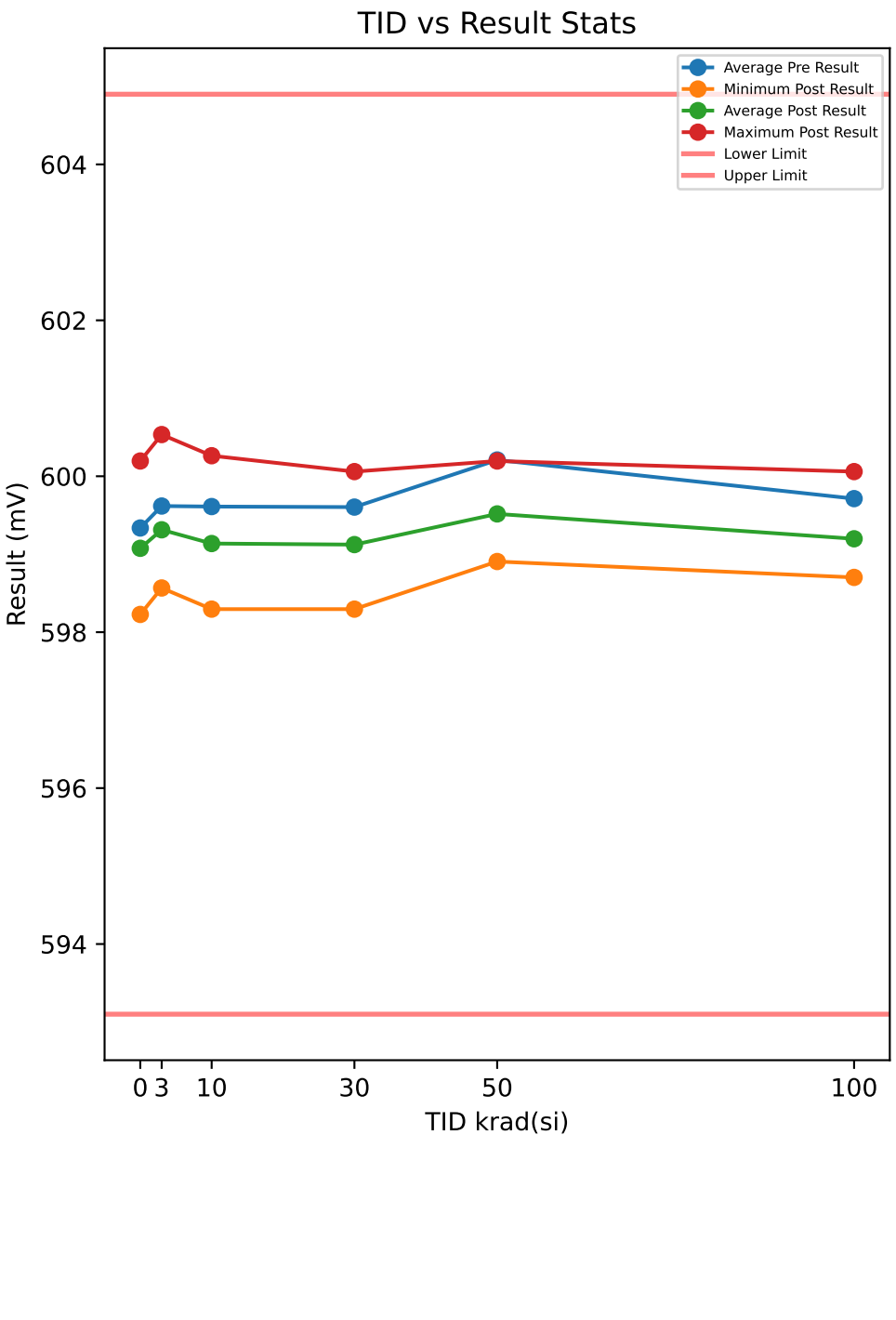
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

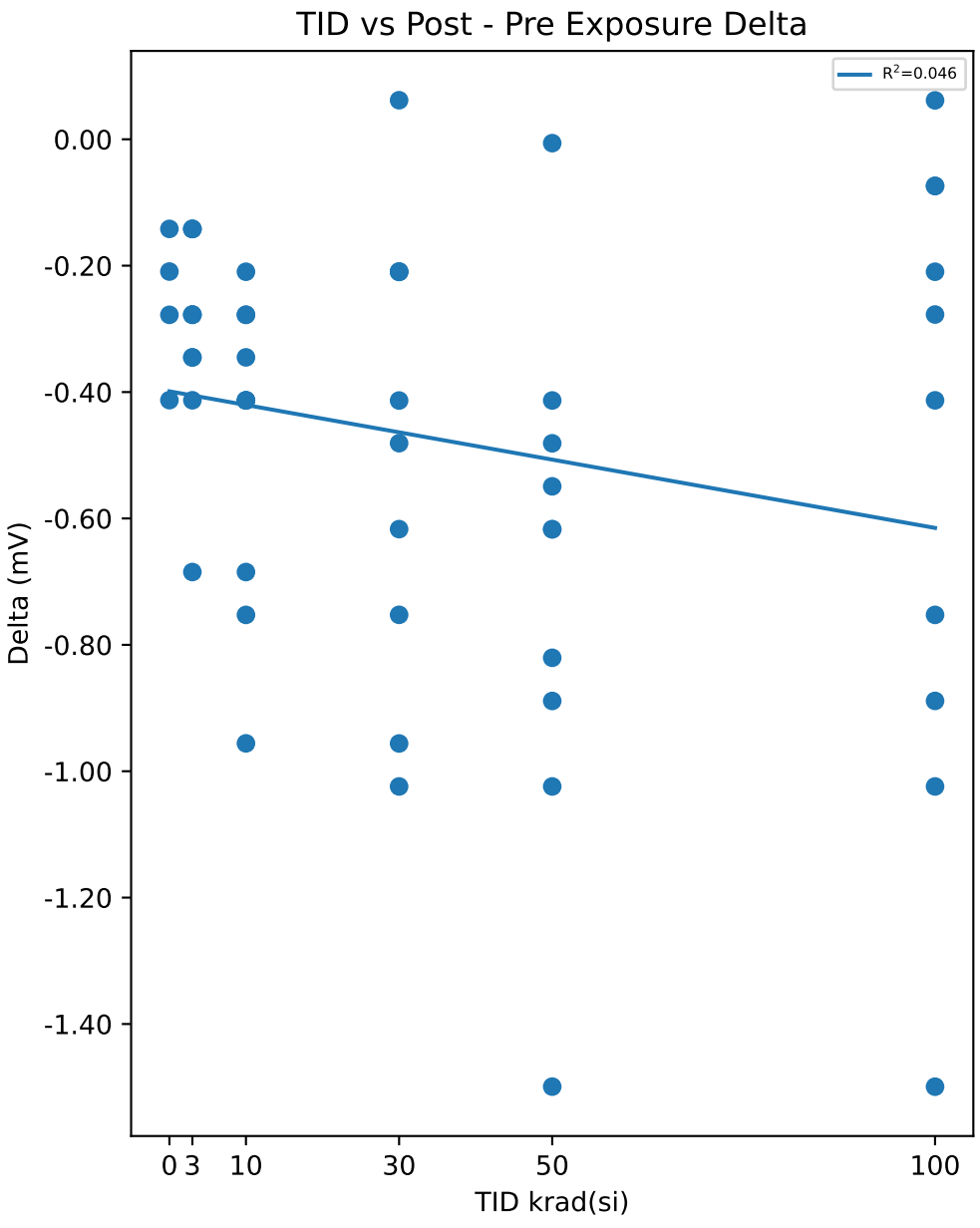
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	601.01	600.69	-0.3236
3	3	Biased	599.86	599.74	-0.119
4	3	Biased	601.49	601.37	-0.1204
5	3	Biased	600.88	600.76	-0.1198
6	3	Biased	600.54	600.49	-0.0516
7	3	Unbiased	599.93	599.94	0.0167
8	3	Unbiased	599.52	599.54	0.0171
9	3	Unbiased	599.65	599.81	0.1527
10	3	Unbiased	600.47	600.62	0.152
11	3	Unbiased	599.79	599.47	-0.3226
12	10	Unbiased	600.54	600.49	-0.0516
13	10	Unbiased	600.06	600.08	0.0166
14	10	Unbiased	600.74	600.49	-0.2555
15	10	Unbiased	600.74	600.89	0.1517
16	10	Unbiased	599.52	599.47	-0.0508
17	10	Biased	600.13	599.81	-0.3229
18	10	Biased	600.33	600.21	-0.1193
19	10	Biased	601.35	601.3	-0.0523
20	10	Biased	600.47	600.42	-0.0516
21	10	Biased	600.4	600.15	-0.2551
22	30	Biased	599.99	599.6	-0.3906
23	30	Biased	600.47	600.08	-0.391
24	30	Biased	600.33	599.67	-0.6624
25	30	Biased	600.4	600.69	0.2879
26	30	Biased	600.4	600.35	-0.0515
27	30	Unbiased	599.72	599.88	0.1527
28	30	Unbiased	601.01	600.89	-0.12
29	30	Unbiased	600.47	600.83	0.3556
30	30	Unbiased	600.67	600.28	-0.3912
31	30	Unbiased	599.52	599.74	0.2207
32	50	Biased	600.95	600.42	-0.5272
33	50	Biased	600.88	600.21	-0.6628
34	50	Biased	600.74	600.35	-0.3913
35	50	Biased	600.4	600.62	0.22
36	50	Biased	601.01	600.08	-0.9345
37	50	Unbiased	599.72	598.92	-0.7976
39	50	Unbiased	600.95	600.76	-0.1878
40	50	Unbiased	600.74	600.76	0.016
41	50	Unbiased	601.22	600.89	-0.3239
42	50	Unbiased	601.15	601.44	0.2872
43	100	Biased	599.72	600.01	0.2885
44	100	Biased	600.27	600.15	-0.1192
45	100	Biased	599.25	599.47	0.221
46	100	Biased	600.61	599.26	-1.3415
47	100	Biased	600.74	600.28	-0.4592
48	100	Unbiased	600.74	599.88	-0.8665
49	100	Unbiased	600.74	601.1	0.3554
50	100	Unbiased	601.49	601.71	0.2191
51	100	Unbiased	600.06	600.15	0.0845
52	100	Unbiased	600.61	600.42	-0.1875
53	0	Correlation	600.06	599.94	-0.1192
54	0	Correlation	600.4	600.55	0.1521
55	0	Correlation	600.81	600.55	-0.2556
56	0	Correlation	600.2	600.21	0.0166

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	600.06	600.37	600.81	0.32582	599.94	600.32	600.55	0.29586	-0.2556	-0.051525	0.1521	0.17543
3	599.52	600.31	601.49	0.6634	599.47	600.24	601.37	0.62968	-0.3236	-0.07185	0.1527	0.16661
10	599.52	600.43	601.35	0.48593	599.47	600.33	601.3	0.52098	-0.3229	-0.09908	0.1517	0.14322
30	599.52	600.3	601.01	0.44292	599.6	600.2	600.89	0.48402	-0.6624	-0.09898	0.3556	0.34924
50	599.72	600.78	601.22	0.43594	598.92	600.45	601.44	0.65983	-0.9345	-0.33019	0.2872	0.41645
100	599.25	600.42	601.49	0.62686	599.26	600.24	601.71	0.72069	-1.3415	-0.18054	0.3554	0.5576

Device Test: 13.11; VTH_SENSE





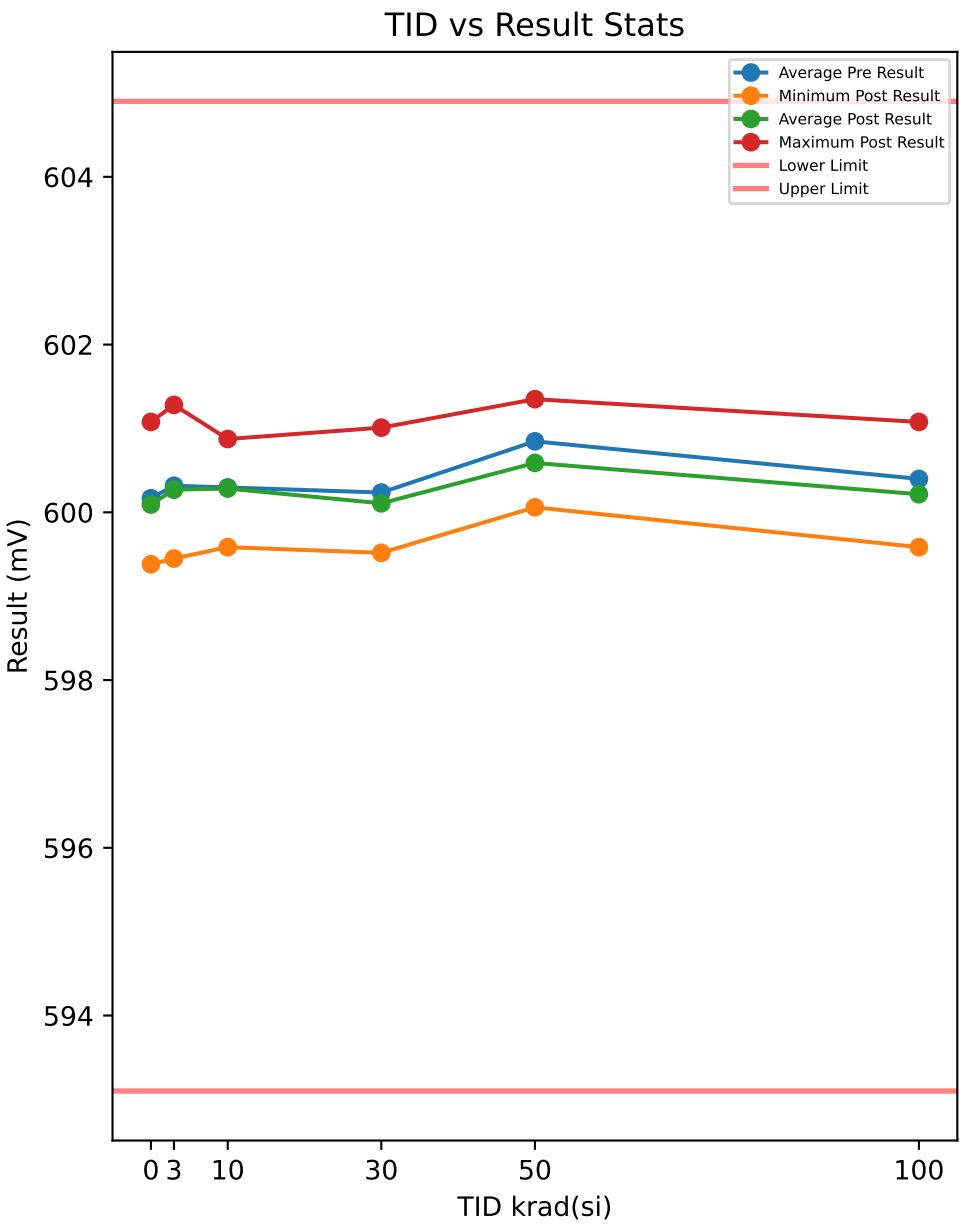
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

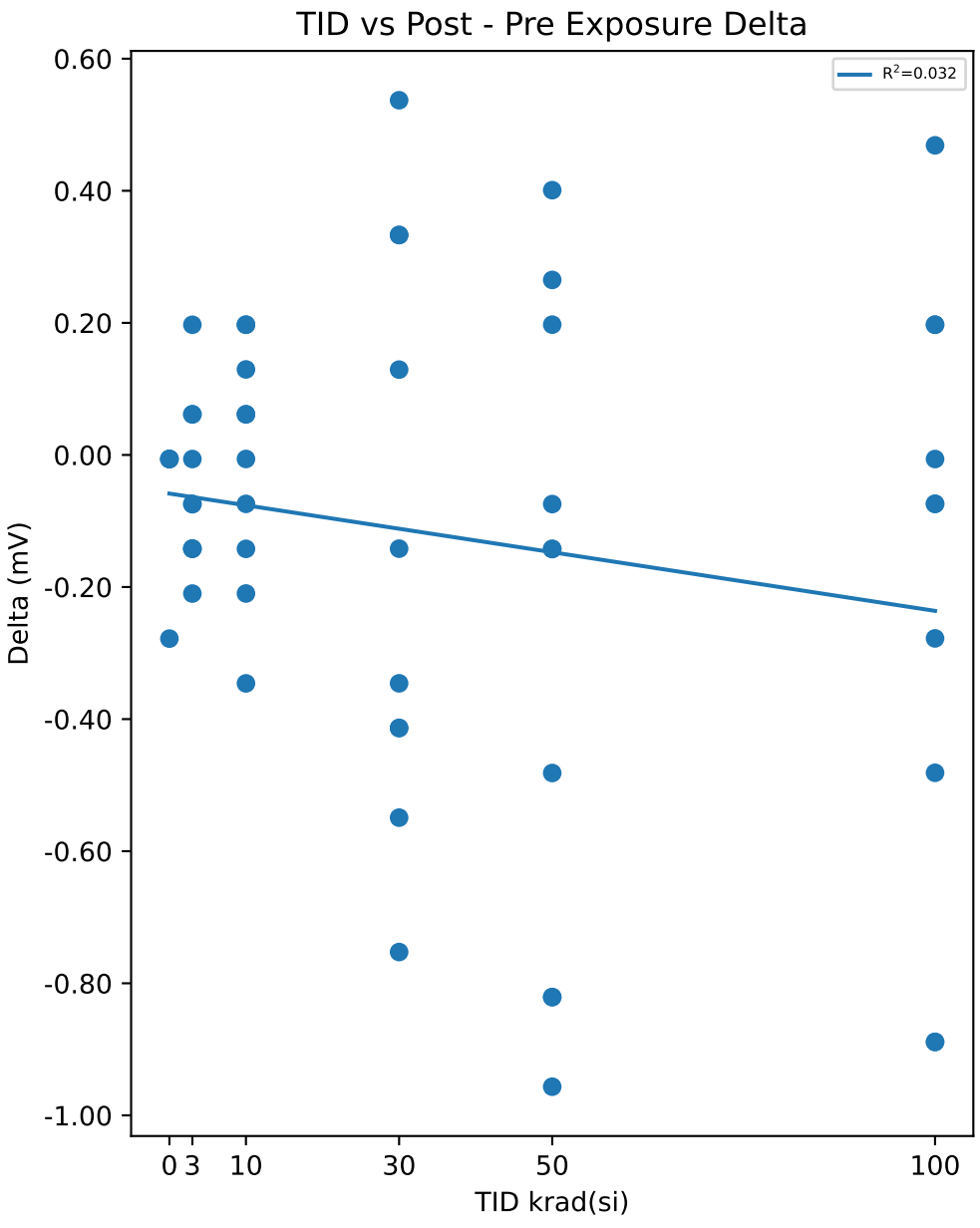
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600	599.31	-0.6848
3	3	Biased	599.25	598.97	-0.2774
4	3	Biased	600.81	600.53	-0.2779
5	3	Biased	600	599.86	-0.142
6	3	Biased	600.13	599.99	-0.1419
7	3	Unbiased	599.18	598.91	-0.2773
8	3	Unbiased	599.18	598.84	-0.3452
9	3	Unbiased	598.98	598.57	-0.413
10	3	Unbiased	599.66	599.52	-0.1418
11	3	Unbiased	598.98	598.63	-0.3451
12	10	Unbiased	599.39	598.97	-0.4131
13	10	Unbiased	599.52	599.11	-0.4132
14	10	Unbiased	599.86	599.58	-0.2776
15	10	Unbiased	600.07	599.38	-0.6848
16	10	Unbiased	598.91	598.57	-0.3451
17	10	Biased	599.25	598.3	-0.9559
18	10	Biased	599.52	599.31	-0.2096
19	10	Biased	600.54	600.26	-0.2778
20	10	Biased	599.32	598.91	-0.4131
21	10	Biased	599.73	598.97	-0.7526
22	30	Biased	599.59	598.84	-0.7525
23	30	Biased	599.79	599.18	-0.6169
24	30	Biased	599.52	598.57	-0.9561
25	30	Biased	599.59	599.38	-0.2097
26	30	Biased	600	599.58	-0.4134
27	30	Unbiased	599.12	598.63	-0.4809
28	30	Unbiased	600.27	600.06	-0.2099
29	30	Unbiased	599.32	599.38	0.0618
30	30	Unbiased	600.34	599.31	-1.0241
31	30	Unbiased	598.5	598.3	-0.2092
32	50	Biased	600.68	600.06	-0.6172
33	50	Biased	600	598.97	-1.0241
34	50	Biased	599.86	599.45	-0.4133
35	50	Biased	599.59	599.11	-0.4811
36	50	Biased	600.2	599.58	-0.617
37	50	Unbiased	600.41	598.91	-1.4991
39	50	Unbiased	601.08	600.2	-0.8888
40	50	Unbiased	599.59	599.58	-0.0061
41	50	Unbiased	600.34	599.52	-0.8205
42	50	Unbiased	600.34	599.79	-0.5492
43	100	Biased	598.98	598.91	-0.0736
44	100	Biased	599.73	598.7	-1.0241
45	100	Biased	599.32	598.91	-0.4131
46	100	Biased	600.2	598.7	-1.4992
47	100	Biased	599.86	599.11	-0.7526
48	100	Unbiased	600.68	599.79	-0.8887
49	100	Unbiased	599.73	599.79	0.0616
50	100	Unbiased	600.13	600.06	-0.0741
51	100	Unbiased	599.32	599.11	-0.2096
52	100	Unbiased	599.18	598.91	-0.2773
53	0	Correlation	598.64	598.43	-0.2093
54	0	Correlation	599.59	599.45	-0.1418
55	0	Correlation	600.47	600.2	-0.2778
56	0	Correlation	598.64	598.23	-0.4128

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	598.64	599.34	600.47	0.8805	598.23	599.08	600.2	0.91794	-0.4128	-0.26042	-0.1418	0.11577
3	598.98	599.62	600.81	0.60647	598.57	599.31	600.53	0.65087	-0.6848	-0.30464	-0.1418	0.16371
10	598.91	599.61	600.54	0.46156	598.3	599.14	600.26	0.54773	-0.9559	-0.47428	-0.2096	0.24244
30	598.5	599.6	600.34	0.54848	598.3	599.12	600.06	0.53506	-1.0241	-0.48109	0.0618	0.35481
50	599.59	600.21	601.08	0.46969	598.91	599.52	600.2	0.43152	-1.4991	-0.69164	-0.0061	0.40016
100	598.98	599.71	600.68	0.52658	598.7	599.2	600.06	0.49456	-1.4992	-0.51507	0.0616	0.50616

Device Test: 13.12; VTH_SENSE





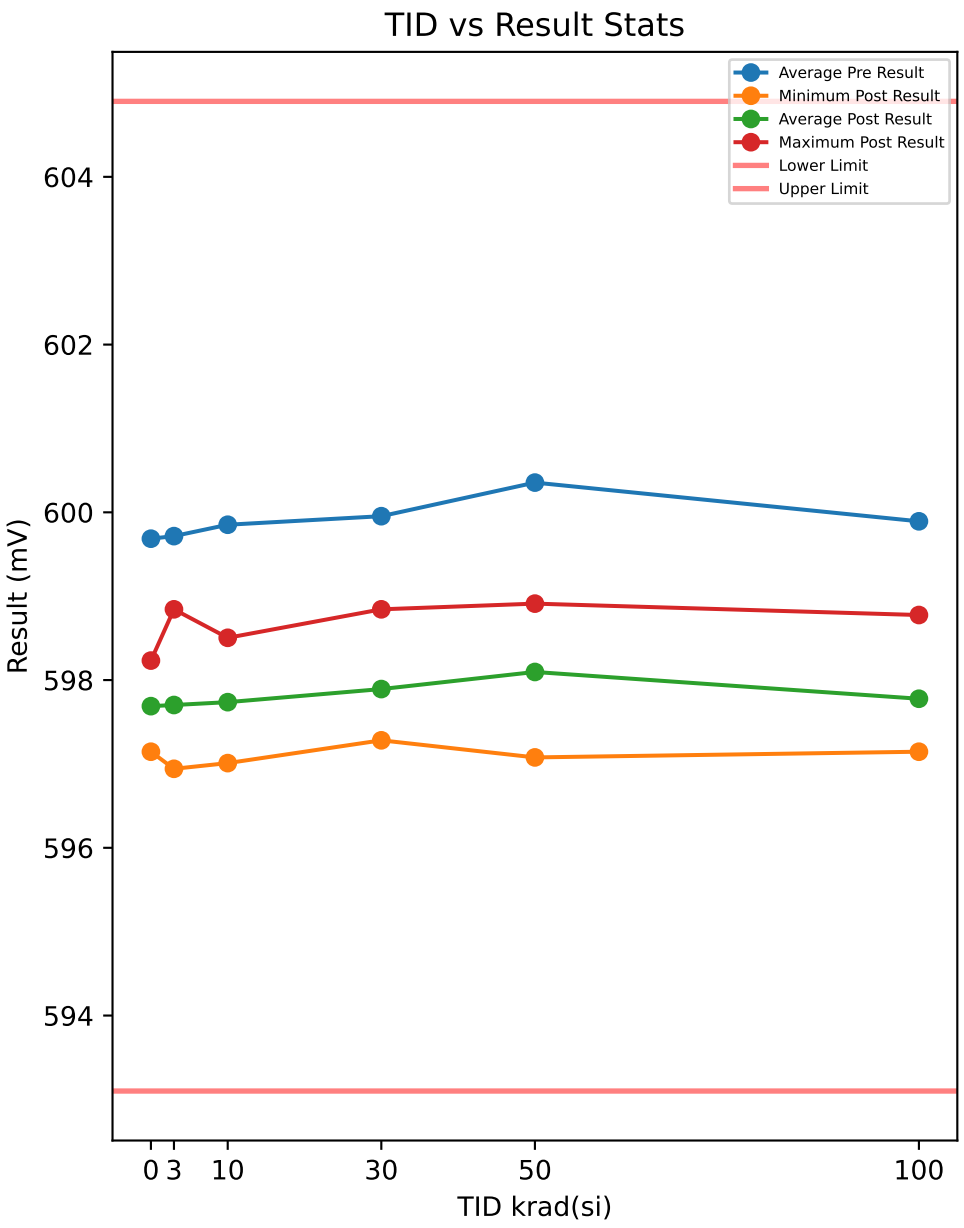
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

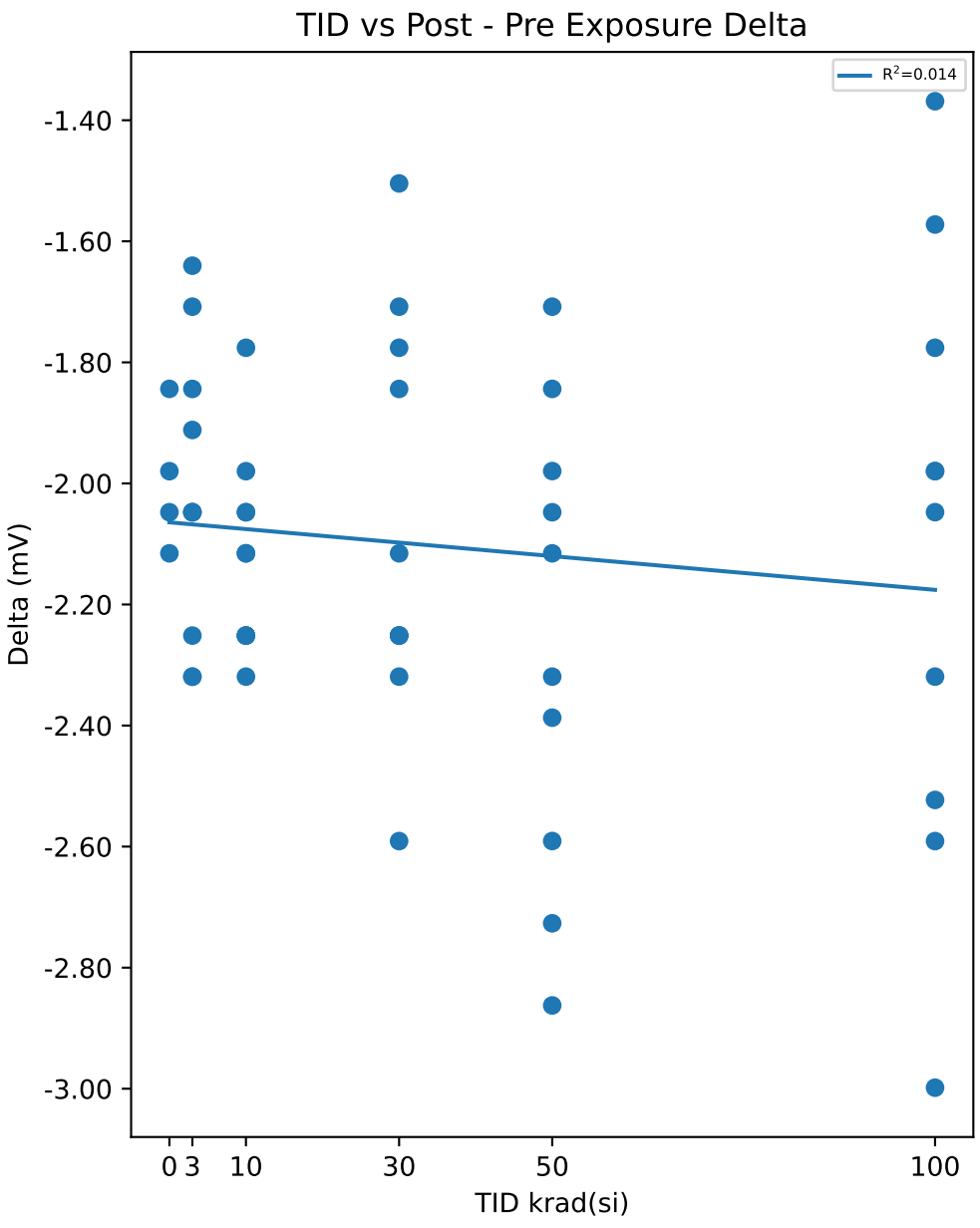
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.41	600.26	-0.142
3	3	Biased	599.93	599.79	-0.142
4	3	Biased	601.36	601.28	-0.0746
5	3	Biased	600.81	601.01	0.1971
6	3	Biased	601.02	601.08	0.0613
7	3	Unbiased	600.07	600.13	0.0617
8	3	Unbiased	600	599.79	-0.2099
9	3	Unbiased	599.86	599.79	-0.0741
10	3	Unbiased	600.13	600.13	-0.0062
11	3	Unbiased	599.59	599.45	-0.1418
12	10	Unbiased	600.13	600.06	-0.0741
13	10	Unbiased	600	600.13	0.1295
14	10	Unbiased	600.61	600.81	0.1971
15	10	Unbiased	600.61	600.47	-0.1422
16	10	Unbiased	599.59	599.58	-0.0061
17	10	Biased	599.93	599.72	-0.2098
18	10	Biased	600.2	600.4	0.1973
19	10	Biased	601.22	600.87	-0.3459
20	10	Biased	600.07	600.13	0.0617
21	10	Biased	600.61	600.67	0.0614
22	30	Biased	600.07	599.65	-0.4133
23	30	Biased	600.41	599.86	-0.5492
24	30	Biased	600.27	599.52	-0.7527
25	30	Biased	600.34	600.67	0.333
26	30	Biased	600.74	600.33	-0.4136
27	30	Unbiased	599.86	599.72	-0.1419
28	30	Unbiased	600.88	601.01	0.1292
29	30	Unbiased	600	600.33	0.333
30	30	Unbiased	600.81	600.47	-0.3458
31	30	Unbiased	598.98	599.52	0.5371
32	50	Biased	601.42	600.6	-0.821
33	50	Biased	600.88	600.06	-0.8208
34	50	Biased	600.68	600.53	-0.1422
35	50	Biased	600.2	600.4	0.1973
36	50	Biased	601.02	600.53	-0.4816
37	50	Unbiased	601.02	600.06	-0.9566
39	50	Unbiased	601.49	601.35	-0.1425
40	50	Unbiased	600.13	600.53	0.4009
41	50	Unbiased	600.88	600.81	-0.0744
42	50	Unbiased	600.74	601.01	0.265
43	100	Biased	599.66	599.58	-0.074
44	100	Biased	600.41	599.92	-0.4813
45	100	Biased	600	599.99	-0.0062
46	100	Biased	600.68	599.79	-0.8887
47	100	Biased	600.47	600.2	-0.2778
48	100	Unbiased	601.42	600.53	-0.8889
49	100	Unbiased	600.34	600.53	0.1973
50	100	Unbiased	600.88	601.08	0.1971
51	100	Unbiased	600.13	600.6	0.4688
52	100	Unbiased	600	599.92	-0.0741
53	0	Correlation	599.46	599.45	-0.006
54	0	Correlation	600.47	600.47	-0.0064
55	0	Correlation	601.36	601.08	-0.2781
56	0	Correlation	599.39	599.38	-0.006

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	599.39	600.17	601.36	0.93487	599.38	600.09	601.08	0.82274	-0.2781	-0.074125	-0.006	0.13598
3	599.59	600.32	601.36	0.56798	599.45	600.27	601.28	0.63532	-0.2099	-0.04705	0.1971	0.12466
10	599.59	600.3	601.22	0.46613	599.58	600.28	600.87	0.43748	-0.3459	-0.01311	0.1973	0.17945
30	598.98	600.24	600.88	0.56272	599.52	600.11	601.01	0.52467	-0.7527	-0.12842	0.5371	0.43612
50	600.13	600.85	601.49	0.44371	600.06	600.59	601.35	0.39541	-0.9566	-0.25759	0.4009	0.48844
100	599.66	600.4	601.42	0.50641	599.58	600.22	601.08	0.45919	-0.8889	-0.18278	0.4688	0.455

Device Test: 13.13; VTH_SENSE





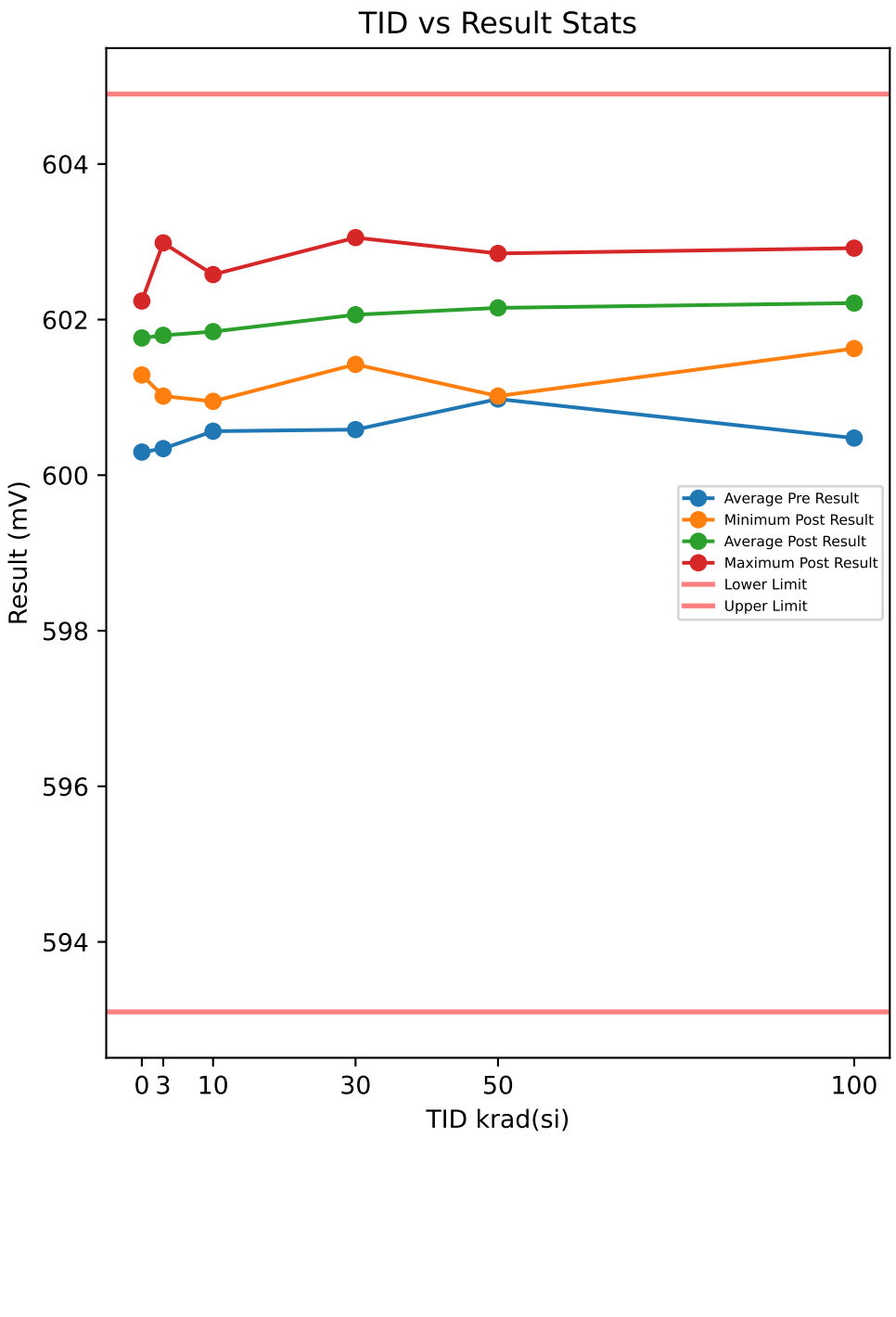
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

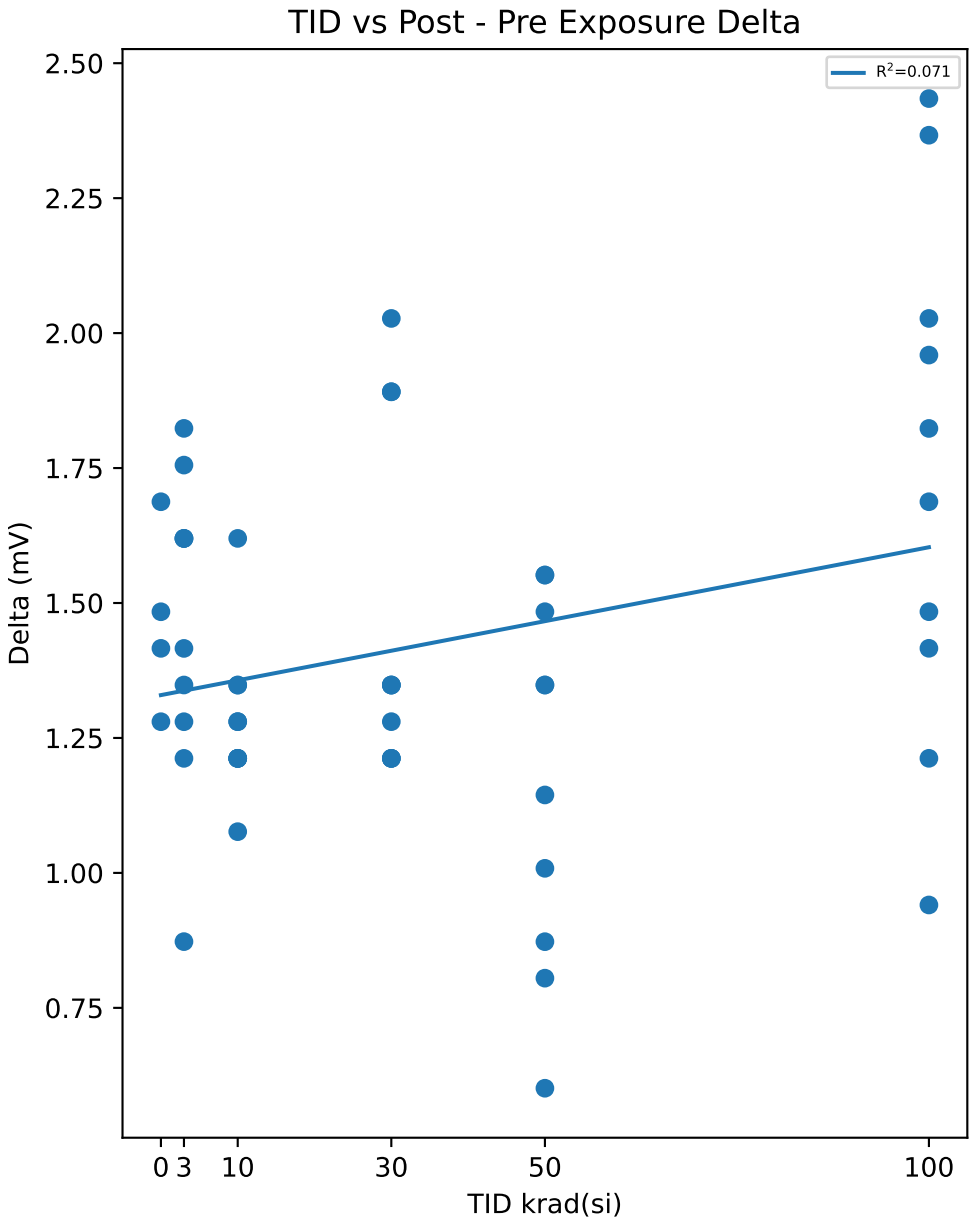
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.55	598.84	-1.708
3	3	Biased	599.53	597.21	-2.3193
4	3	Biased	600.82	598.5	-2.3192
5	3	Biased	600.08	598.16	-1.9117
6	3	Biased	600.08	598.03	-2.0475
7	3	Unbiased	599.74	597.69	-2.0476
8	3	Unbiased	599.19	596.94	-2.2514
9	3	Unbiased	598.85	597.21	-1.6403
10	3	Unbiased	599.33	597.49	-1.8439
11	3	Unbiased	598.99	596.94	-2.0477
12	10	Unbiased	599.74	597.96	-1.7759
13	10	Unbiased	599.94	597.69	-2.2514
14	10	Unbiased	600.14	598.03	-2.1155
15	10	Unbiased	600.28	598.23	-2.0476
16	10	Unbiased	598.99	597.01	-1.9798
17	10	Biased	599.8	597.49	-2.3192
18	10	Biased	599.53	597.28	-2.2513
19	10	Biased	600.55	598.5	-2.0476
20	10	Biased	599.8	597.69	-2.1155
21	10	Biased	599.74	597.49	-2.2513
22	30	Biased	599.67	597.35	-2.3192
23	30	Biased	600.08	597.82	-2.2513
24	30	Biased	600.42	597.82	-2.5909
25	30	Biased	600.62	598.84	-1.7759
26	30	Biased	600.21	598.37	-1.8439
27	30	Unbiased	599.6	597.35	-2.2513
28	30	Unbiased	600.14	598.03	-2.1155
29	30	Unbiased	600.14	598.44	-1.708
30	30	Unbiased	599.53	597.28	-2.2513
31	30	Unbiased	599.13	597.62	-1.5044
32	50	Biased	601.09	598.71	-2.387
33	50	Biased	600.76	597.89	-2.8624
34	50	Biased	600.89	598.91	-1.9796
35	50	Biased	600.08	598.23	-1.8438
36	50	Biased	599.8	597.08	-2.7267
37	50	Unbiased	600.55	597.96	-2.5908
39	50	Unbiased	599.87	597.76	-2.1155
40	50	Unbiased	599.8	598.1	-1.708
41	50	Unbiased	600.42	598.1	-2.3192
42	50	Unbiased	600.28	598.23	-2.0476
43	100	Biased	598.99	597.62	-1.3686
44	100	Biased	599.74	597.96	-1.7759
45	100	Biased	599.33	597.76	-1.5723
46	100	Biased	600.01	597.49	-2.5229
47	100	Biased	600.01	598.03	-1.9796
48	100	Unbiased	600.55	597.55	-2.9983
49	100	Unbiased	600.35	598.03	-2.3192
50	100	Unbiased	600.82	598.78	-2.0475
51	100	Unbiased	599.4	597.42	-1.9797
52	100	Unbiased	599.74	597.15	-2.5909
53	0	Correlation	599.67	597.62	-2.0476
54	0	Correlation	599.87	597.76	-2.1155
55	0	Correlation	600.08	598.23	-1.8438
56	0	Correlation	599.13	597.15	-1.9798

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	599.13	599.69	600.08	0.40881	597.15	597.69	598.23	0.44705	-2.1155	-1.9967	-1.8438	0.116
3	598.85	599.72	600.82	0.65916	596.94	597.7	598.84	0.66215	-2.3193	-2.0137	-1.6403	0.24009
10	598.99	599.85	600.55	0.42714	597.01	597.74	598.5	0.45165	-2.3192	-2.1155	-1.7759	0.16323
30	599.13	599.95	600.62	0.45699	597.28	597.89	598.84	0.52603	-2.5909	-2.0612	-1.5044	0.33696
50	599.8	600.35	601.09	0.46659	597.08	598.1	598.91	0.50415	-2.8624	-2.2581	-1.708	0.38475
100	598.99	599.89	600.82	0.57356	597.15	597.78	598.78	0.4528	-2.9983	-2.1155	-1.3686	0.49695

Device Test: 13.14; VTH_SENSE





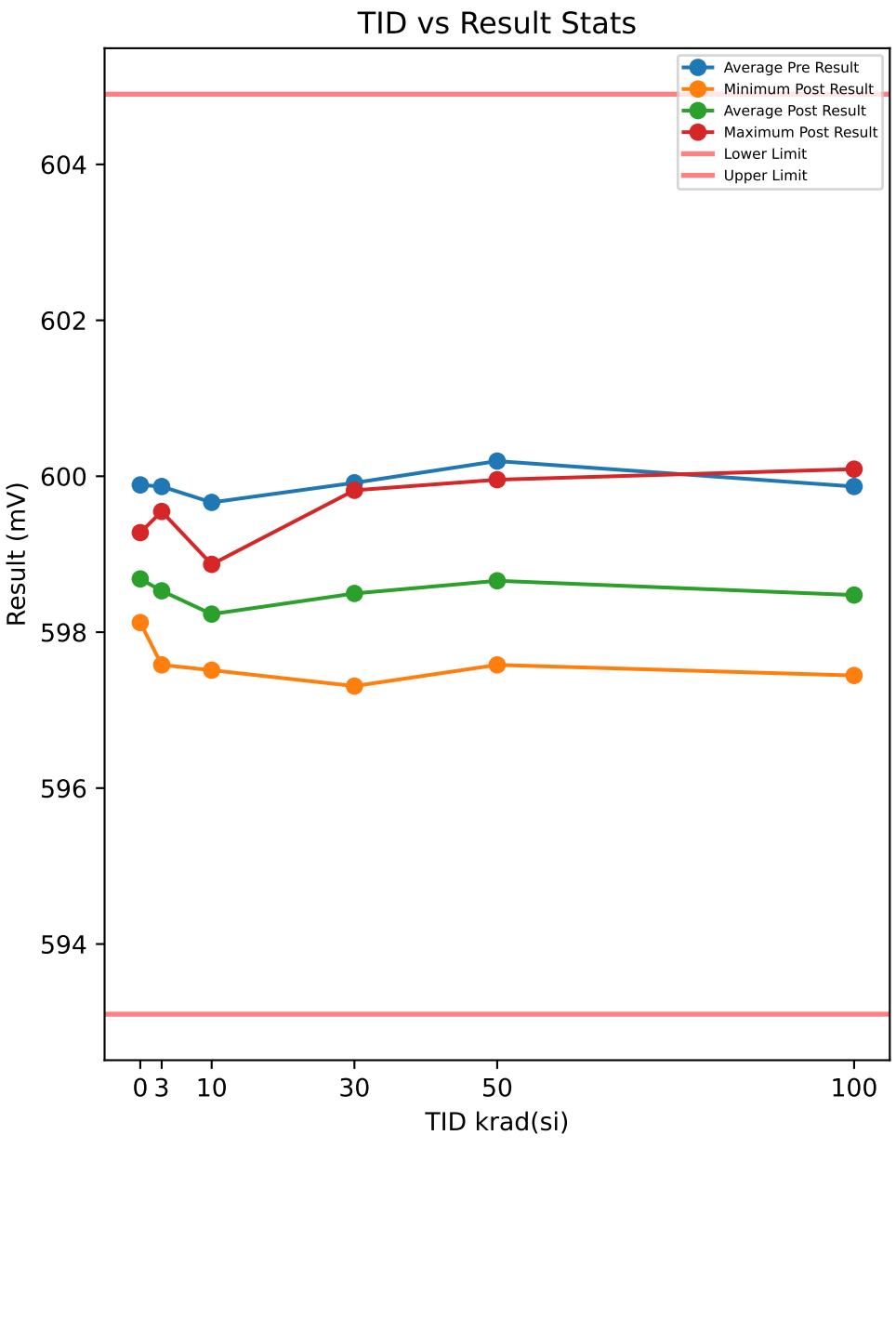
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

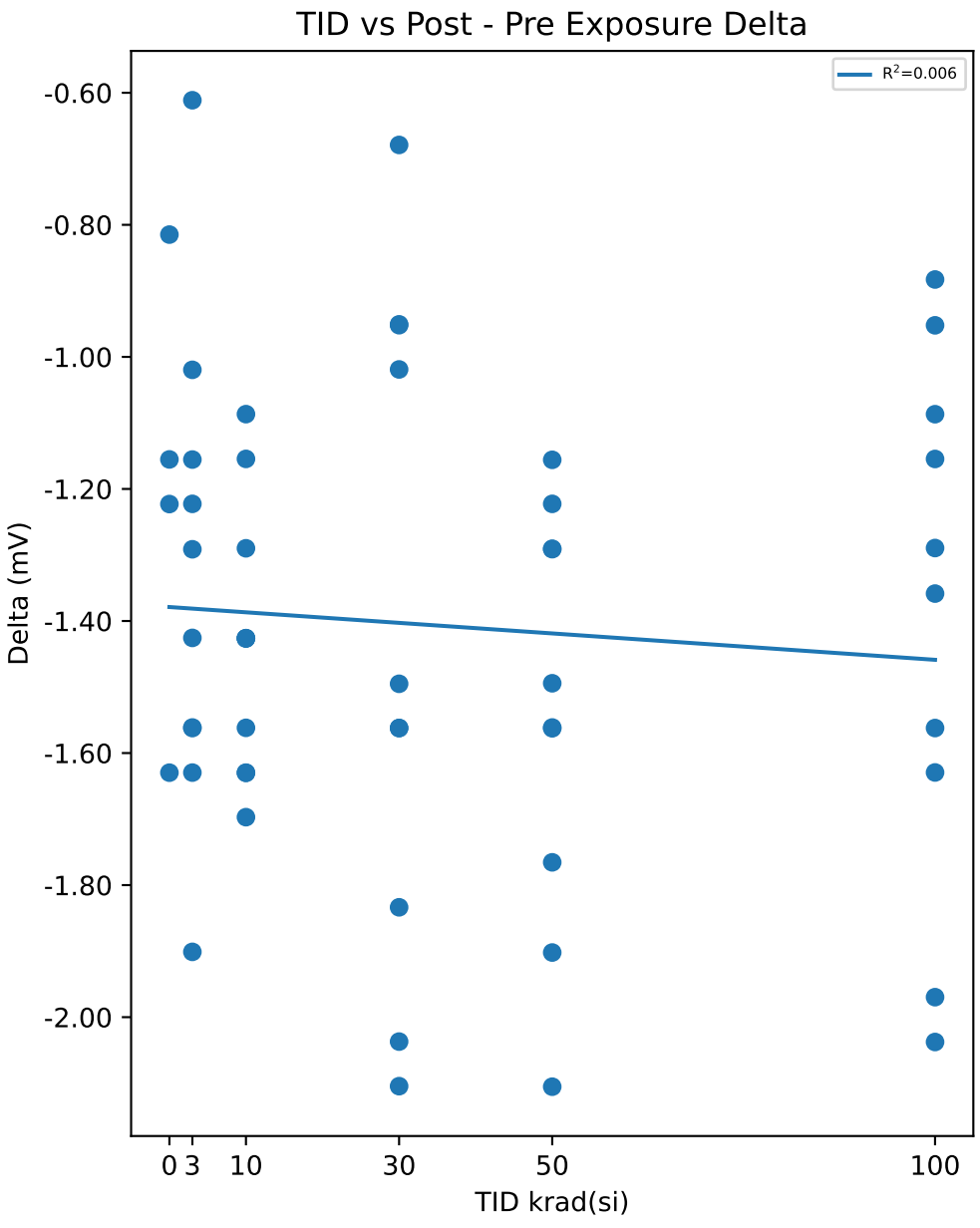
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	601.16	602.04	0.8727
3	3	Biased	600.08	601.42	1.3481
4	3	Biased	601.16	602.99	1.8235
5	3	Biased	600.82	602.04	1.2122
6	3	Biased	600.69	602.31	1.6197
7	3	Unbiased	600.42	602.17	1.7555
8	3	Unbiased	599.74	601.36	1.6196
9	3	Unbiased	599.4	601.02	1.6196
10	3	Unbiased	600.14	601.56	1.4159
11	3	Unbiased	599.8	601.08	1.2801
12	10	Unbiased	600.42	601.76	1.348
13	10	Unbiased	600.82	602.44	1.6197
14	10	Unbiased	600.69	601.97	1.2802
15	10	Unbiased	601.03	602.24	1.2123
16	10	Unbiased	599.74	600.95	1.2122
17	10	Biased	600.62	601.7	1.0764
18	10	Biased	600.14	601.36	1.2121
19	10	Biased	601.23	602.58	1.348
20	10	Biased	600.69	601.97	1.2802
21	10	Biased	600.28	601.49	1.2121
22	30	Biased	600.48	601.83	1.348
23	30	Biased	600.69	601.97	1.2802
24	30	Biased	600.82	602.04	1.2122
25	30	Biased	601.16	603.05	1.8914
26	30	Biased	600.76	602.1	1.348
27	30	Unbiased	600.21	601.42	1.2122
28	30	Unbiased	600.89	602.24	1.3481
29	30	Unbiased	600.69	602.71	2.0272
30	30	Unbiased	600.21	601.42	1.2122
31	30	Unbiased	599.94	601.83	1.8912
32	50	Biased	601.71	602.51	0.805
33	50	Biased	601.09	602.1	1.0085
34	50	Biased	601.5	602.85	1.3481
35	50	Biased	600.62	602.17	1.5518
36	50	Biased	600.14	601.02	0.8726
37	50	Unbiased	601.43	602.04	0.6011
39	50	Unbiased	600.82	601.97	1.1444
40	50	Unbiased	600.42	601.97	1.5518
41	50	Unbiased	601.16	602.65	1.4839
42	50	Unbiased	600.89	602.24	1.3481
43	100	Biased	599.4	601.83	2.4345
44	100	Biased	600.48	601.97	1.4839
45	100	Biased	599.94	602.31	2.3666
46	100	Biased	600.69	601.63	0.9406
47	100	Biased	600.69	602.37	1.6876
48	100	Unbiased	600.96	602.17	1.2123
49	100	Unbiased	600.89	602.92	2.0272
50	100	Unbiased	601.37	602.78	1.4161
51	100	Unbiased	600.01	601.97	1.9593
52	100	Unbiased	600.35	602.17	1.8234
53	0	Correlation	600.28	601.97	1.6876
54	0	Correlation	600.28	601.56	1.2801
55	0	Correlation	600.82	602.24	1.416
56	0	Correlation	599.8	601.29	1.4838

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	600.3	600.82	0.4163	601.29	601.76	602.24	0.42231	1.2801	1.4669	1.6876	0.16978
3	599.4	600.34	601.16	0.6111	601.02	601.8	602.99	0.61766	0.8727	1.4567	1.8235	0.28847
10	599.74	600.57	601.23	0.43751	600.95	601.85	602.58	0.50293	1.0764	1.2801	1.6197	0.14318
30	599.94	600.59	601.16	0.37087	601.42	602.06	603.05	0.51341	1.2122	1.4771	2.0272	0.32404
50	600.14	600.98	601.71	0.498	601.02	602.15	602.85	0.49909	0.6011	1.1715	1.5518	0.33756
100	599.4	600.48	601.37	0.5748	601.63	602.21	602.92	0.40393	0.9406	1.7351	2.4345	0.48339

Device Test: 13.15; VTH_SENSE





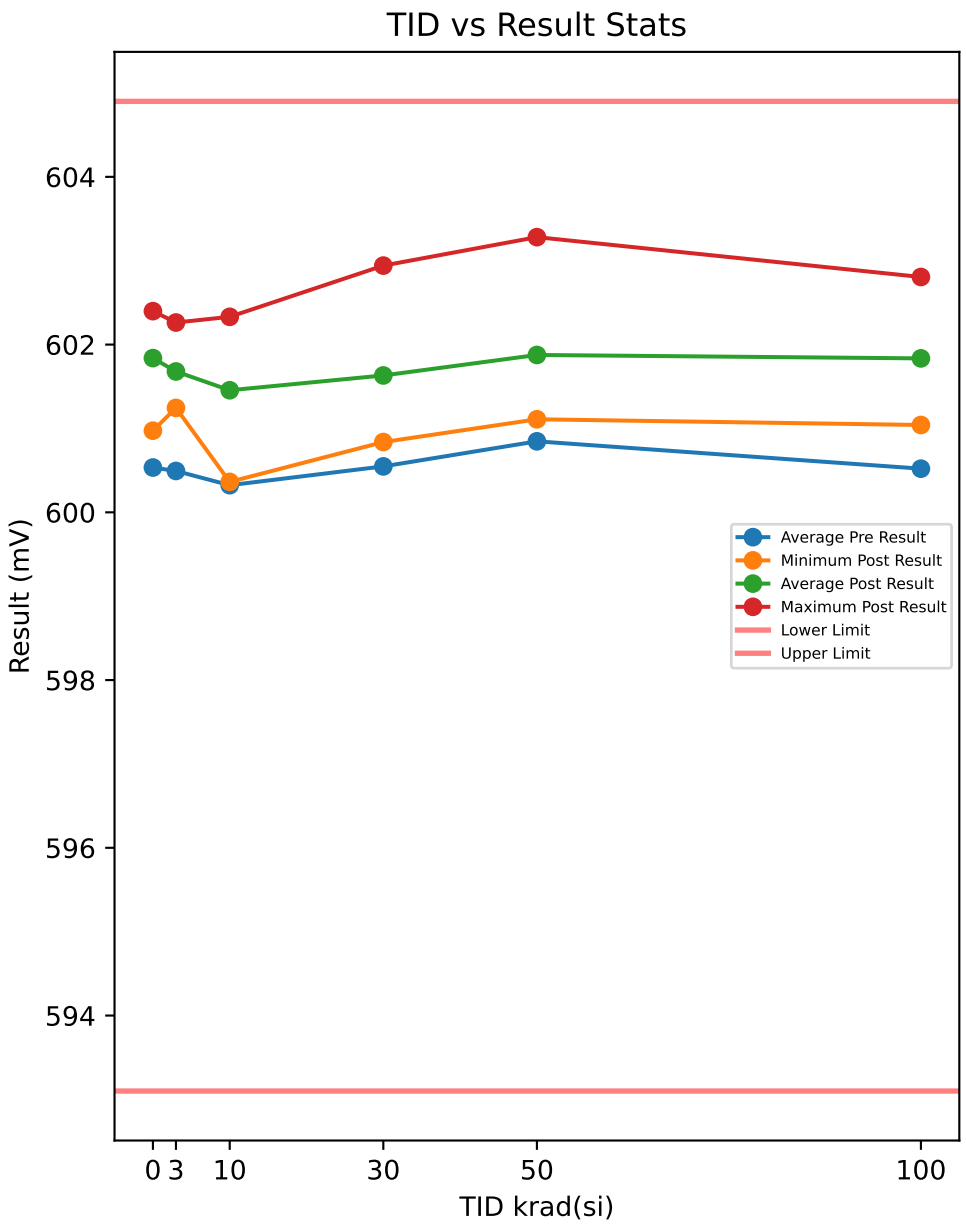
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

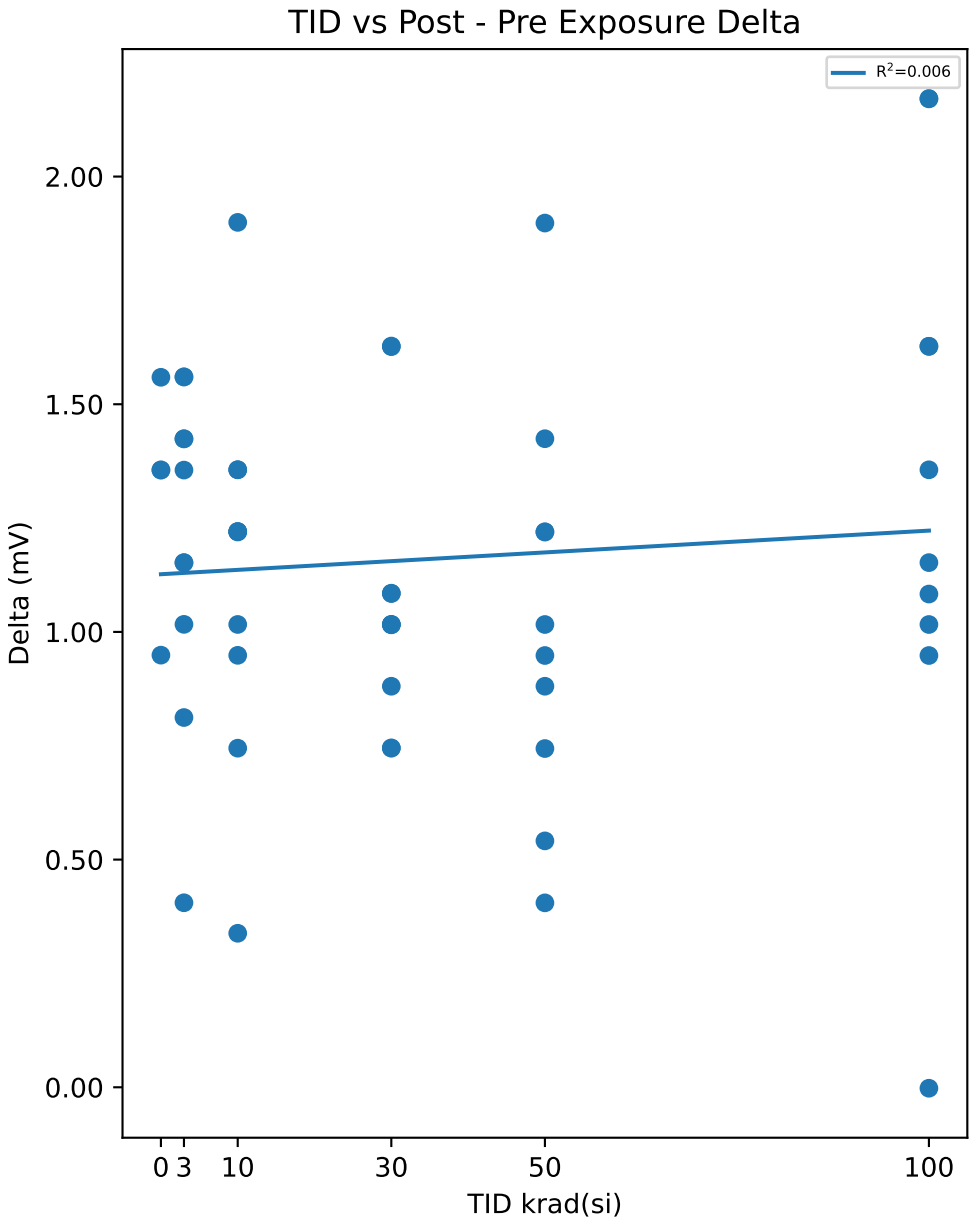
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.43	599.41	-1.0196
3	3	Biased	599.62	597.72	-1.9011
4	3	Biased	600.84	599.55	-1.2914
5	3	Biased	600.57	599.41	-1.1555
6	3	Biased	599.96	598.73	-1.2226
7	3	Unbiased	599.14	597.58	-1.5613
8	3	Unbiased	599.14	597.72	-1.4256
9	3	Unbiased	599.28	598.67	-0.6113
10	3	Unbiased	600.09	598.53	-1.5621
11	3	Unbiased	599.62	597.99	-1.6296
12	10	Unbiased	599.62	598.19	-1.426
13	10	Unbiased	599.62	598.06	-1.5618
14	10	Unbiased	599.75	598.67	-1.0867
15	10	Unbiased	600.09	598.46	-1.63
16	10	Unbiased	599.14	597.85	-1.2899
17	10	Biased	599.21	597.51	-1.6971
18	10	Biased	599.55	598.12	-1.426
19	10	Biased	600.3	598.87	-1.4266
20	10	Biased	599.75	598.12	-1.6297
21	10	Biased	599.62	598.46	-1.1545
22	30	Biased	600.09	598.53	-1.5621
23	30	Biased	599.68	597.65	-2.037
24	30	Biased	600.02	598.46	-1.5621
25	30	Biased	600.77	599.82	-0.952
26	30	Biased	599.82	598.8	-1.019
27	30	Unbiased	599.41	597.31	-2.1045
28	30	Unbiased	600.91	599.41	-1.4951
29	30	Unbiased	599.28	598.33	-0.9507
30	30	Unbiased	600.02	598.19	-1.8336
31	30	Unbiased	599.14	598.46	-0.679
32	50	Biased	600.02	598.73	-1.2906
33	50	Biased	599.68	597.92	-1.7655
34	50	Biased	600.64	599.34	-1.2912
35	50	Biased	599.14	597.58	-1.5613
36	50	Biased	600.3	598.19	-2.1053
37	50	Unbiased	600.36	598.8	-1.5625
39	50	Unbiased	600.77	598.87	-1.9021
40	50	Unbiased	599.82	598.6	-1.2226
41	50	Unbiased	600.09	598.6	-1.4943
42	50	Unbiased	601.11	599.96	-1.1559
43	100	Biased	598.73	597.44	-1.2895
44	100	Biased	600.02	598.46	-1.5621
45	100	Biased	599.35	598.46	-0.8828
46	100	Biased	600.36	598.33	-2.0376
47	100	Biased	599.75	598.6	-1.1546
48	100	Unbiased	600.36	598.39	-1.9697
49	100	Unbiased	600.02	598.67	-1.3585
50	100	Unbiased	601.04	600.09	-0.9522
51	100	Unbiased	599.68	598.6	-1.0868
52	100	Unbiased	599.35	597.72	-1.6294
53	0	Correlation	599.75	598.12	-1.6297
54	0	Correlation	600.16	598.94	-1.2229
55	0	Correlation	600.43	599.28	-1.1553
56	0	Correlation	599.21	598.39	-0.8148

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	599.21	599.89	600.43	0.53204	598.12	598.68	599.28	0.52096	-1.6297	-1.2057	-0.8148	0.33437
3	599.14	599.87	600.84	0.60931	597.58	598.53	599.55	0.75844	-1.9011	-1.338	-0.6113	0.36334
10	599.14	599.66	600.3	0.34939	597.51	598.23	598.87	0.39731	-1.6971	-1.4328	-1.0867	0.206
30	599.14	599.92	600.91	0.58628	597.31	598.5	599.82	0.74087	-2.1045	-1.4195	-0.679	0.49615
50	599.14	600.19	601.11	0.57305	597.58	598.66	599.96	0.67978	-2.1053	-1.5351	-1.1559	0.31211
100	598.73	599.87	601.04	0.65003	597.44	598.48	600.09	0.69494	-2.0376	-1.3923	-0.8828	0.40134

Device Test: 13.16; VTH_SENSE





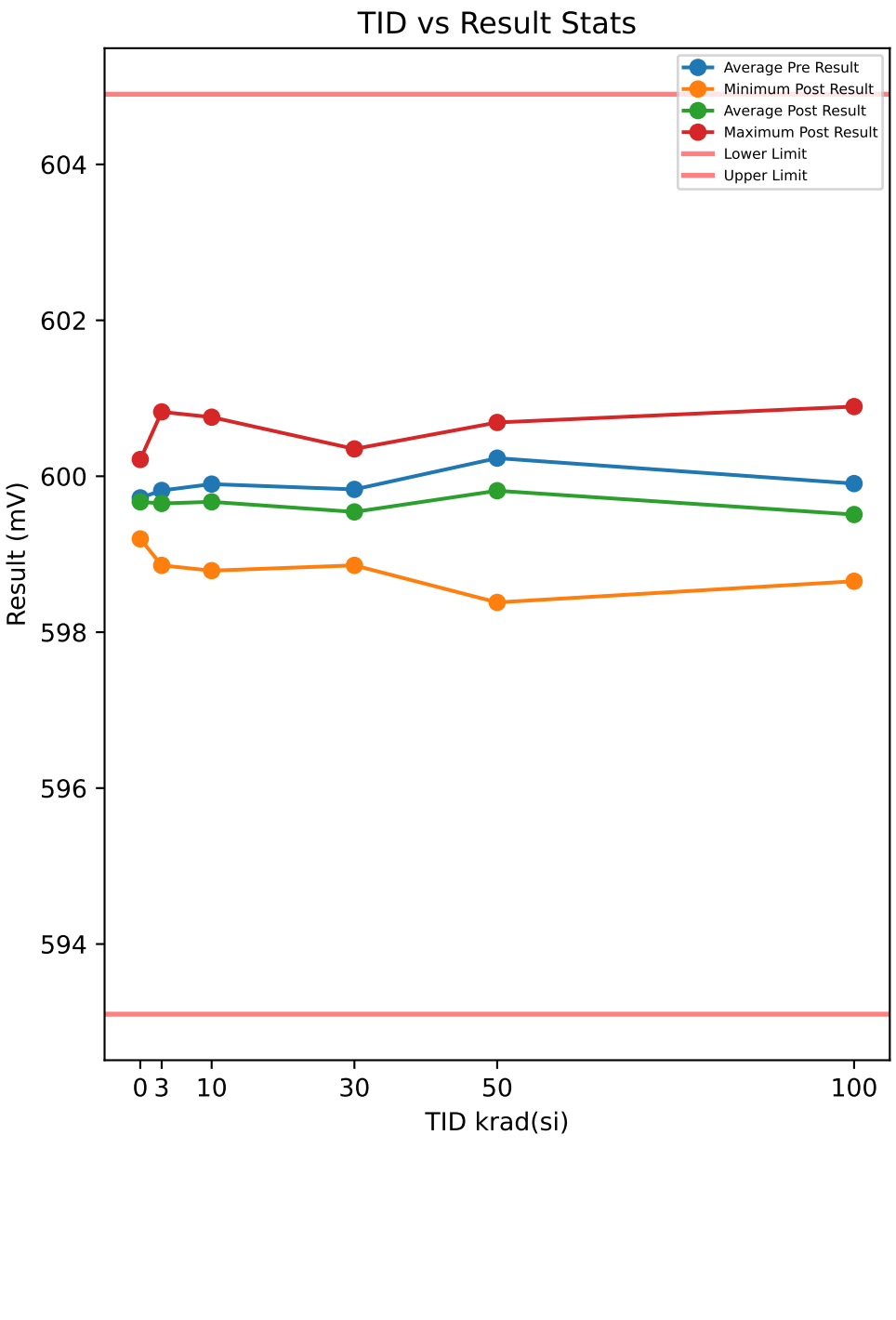
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

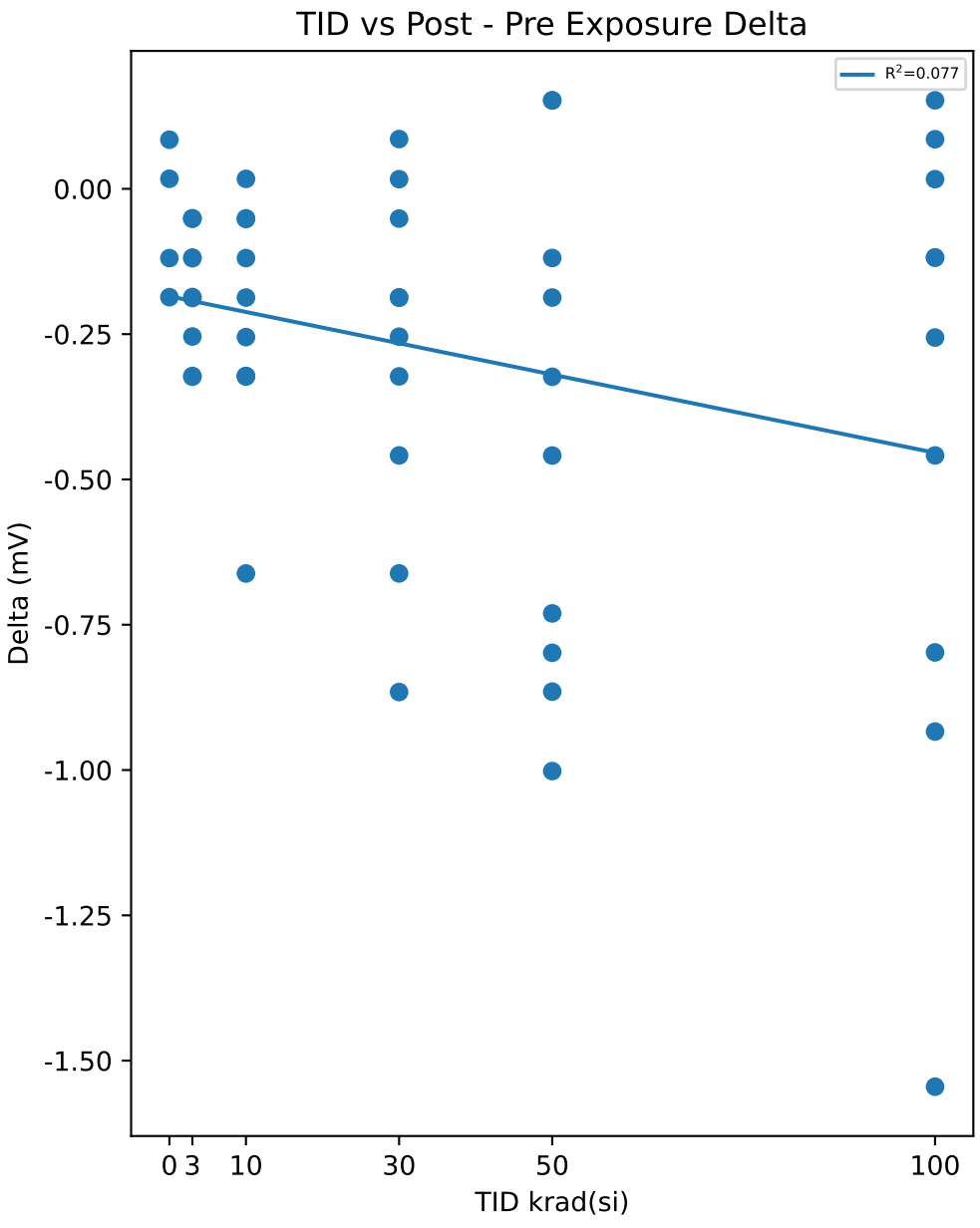
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	601.04	601.45	0.4052
3	3	Biased	600.3	601.31	1.0166
4	3	Biased	601.45	602.26	0.812
5	3	Biased	600.91	602.26	1.3554
6	3	Biased	600.57	601.72	1.1521
7	3	Unbiased	599.89	601.45	1.56
8	3	Unbiased	599.82	601.38	1.56
9	3	Unbiased	599.82	601.25	1.4242
10	3	Unbiased	600.84	601.99	1.1519
11	3	Unbiased	600.3	601.72	1.4239
12	10	Unbiased	600.09	601.45	1.3562
13	10	Unbiased	600.43	601.38	0.9486
14	10	Unbiased	600.64	601.65	1.0164
15	10	Unbiased	600.84	601.58	0.7447
16	10	Unbiased	599.68	601.58	1.8994
17	10	Biased	600.02	600.36	0.3382
18	10	Biased	600.09	601.31	1.2204
19	10	Biased	601.11	602.33	1.2195
20	10	Biased	600.23	601.58	1.356
21	10	Biased	600.09	601.31	1.2204
22	30	Biased	600.77	601.79	1.0162
23	30	Biased	600.23	600.97	0.7452
24	30	Biased	600.7	601.45	0.7448
25	30	Biased	601.45	602.47	1.0156
26	30	Biased	600.43	601.31	0.8807
27	30	Unbiased	600.23	601.25	1.0166
28	30	Unbiased	601.32	602.94	1.6265
29	30	Unbiased	599.96	601.58	1.6278
30	30	Unbiased	600.64	601.72	1.0843
31	30	Unbiased	599.75	600.84	1.0851
32	50	Biased	600.57	601.79	1.2199
33	50	Biased	600.36	601.25	0.8807
34	50	Biased	601.38	603.28	1.8979
35	50	Biased	599.68	601.11	1.4243
36	50	Biased	600.91	601.86	0.9482
37	50	Unbiased	601.18	601.58	0.405
39	50	Unbiased	601.32	602.53	1.2193
40	50	Unbiased	600.57	601.58	1.0163
41	50	Unbiased	600.77	601.31	0.5411
42	50	Unbiased	601.72	602.47	0.7439
43	100	Biased	599.28	601.45	2.1713
44	100	Biased	600.57	601.58	1.0163
45	100	Biased	600.02	602.2	2.1706
46	100	Biased	601.04	601.04	-0.0021
47	100	Biased	600.43	602.06	1.6273
48	100	Unbiased	600.91	601.86	0.9482
49	100	Unbiased	600.64	602.26	1.6272
50	100	Unbiased	601.72	602.81	1.0832
51	100	Unbiased	600.43	601.58	1.1522
52	100	Unbiased	600.16	601.52	1.356
53	0	Correlation	600.36	601.72	1.3559
54	0	Correlation	600.7	602.26	1.5592
55	0	Correlation	601.04	602.4	1.3553
56	0	Correlation	600.02	600.97	0.949

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	600.02	600.53	601.04	0.43846	600.97	601.84	602.4	0.64711	0.949	1.3049	1.5592	0.25591
3	599.82	600.49	601.45	0.56422	601.25	601.68	602.26	0.38018	0.4052	1.1861	1.56	0.3655
10	599.68	600.32	601.11	0.42985	600.36	601.46	602.33	0.48251	0.3382	1.132	1.8994	0.41362
30	599.75	600.55	601.45	0.54633	600.84	601.63	602.94	0.64944	0.7448	1.0843	1.6278	0.31181
50	599.68	600.85	601.72	0.58996	601.11	601.88	603.28	0.68624	0.405	1.0297	1.8979	0.43733
100	599.28	600.52	601.72	0.65158	601.04	601.84	602.81	0.50693	-0.0021	1.315	2.1713	0.64124

Device Test: 13.17; VTH_SENSE





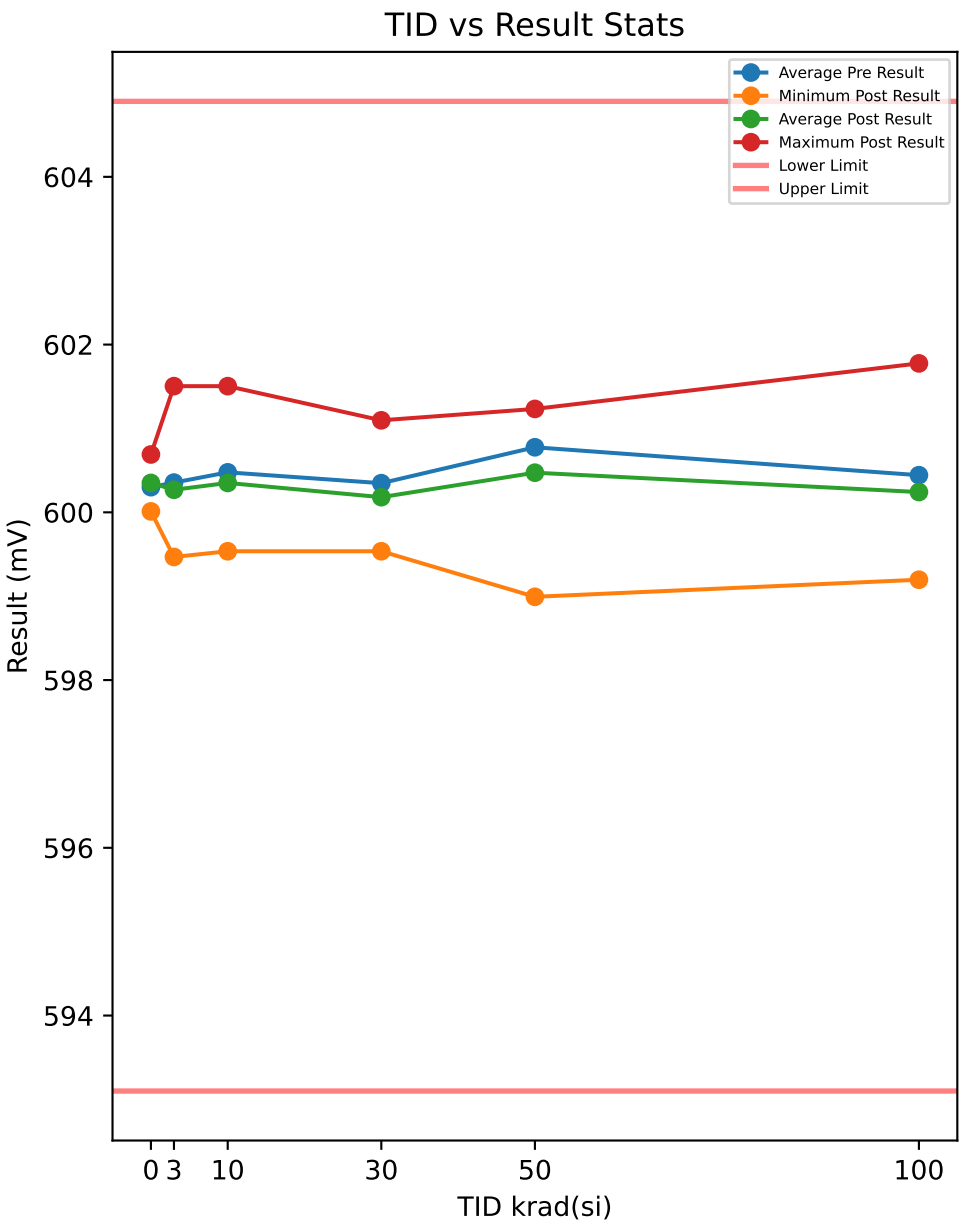
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

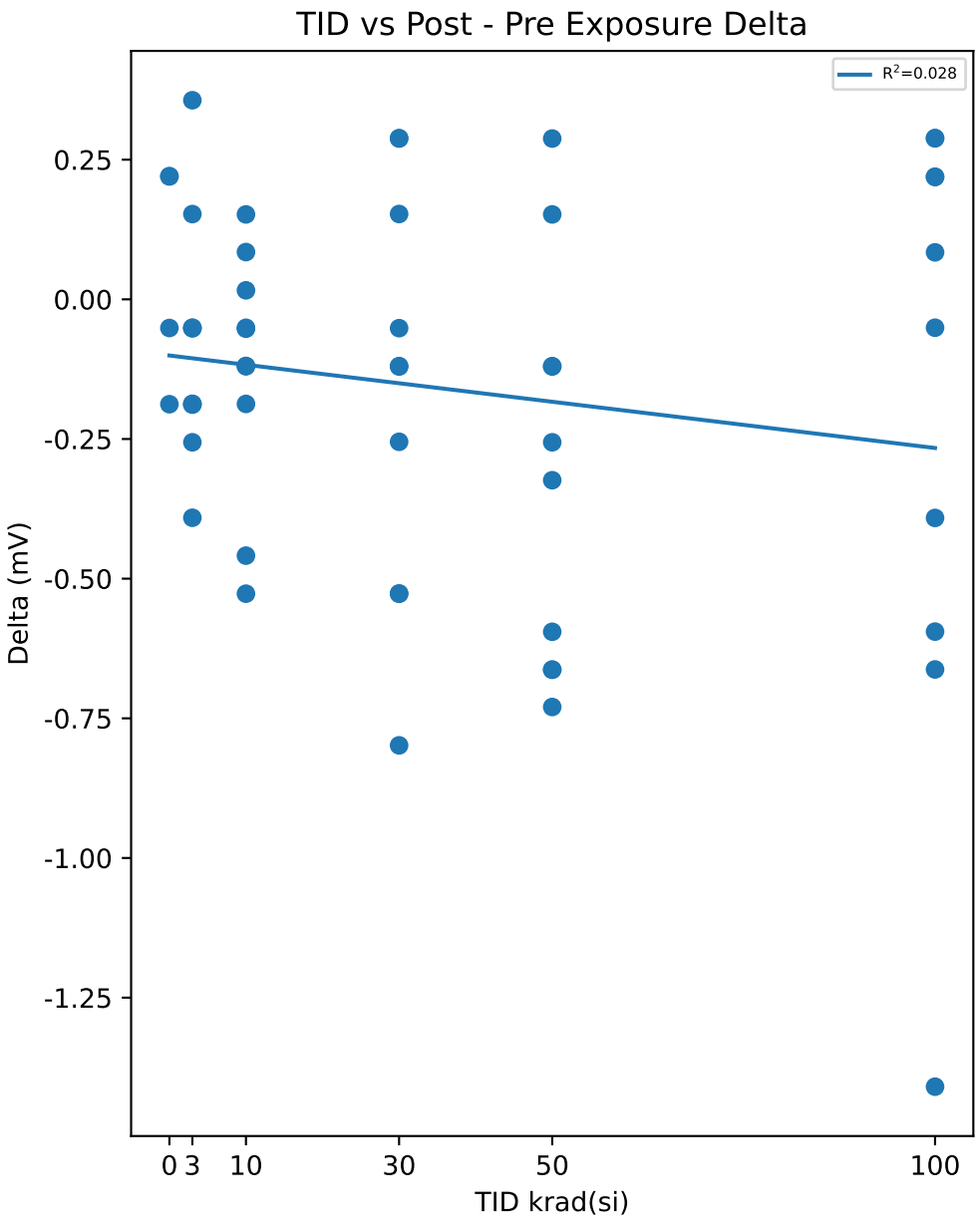
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.61	600.28	-0.3233
3	3	Biased	599.18	598.99	-0.1862
4	3	Biased	601.01	600.83	-0.1879
5	3	Biased	600.4	600.28	-0.1194
6	3	Biased	600.06	600.01	-0.0513
7	3	Unbiased	599.38	599.33	-0.0506
8	3	Unbiased	599.11	598.86	-0.2541
9	3	Unbiased	599.18	599.06	-0.1183
10	3	Unbiased	599.99	599.94	-0.0512
11	3	Unbiased	599.25	598.92	-0.322
12	10	Unbiased	600.13	600.01	-0.1192
13	10	Unbiased	599.45	599.4	-0.0508
14	10	Unbiased	600.2	600.01	-0.1871
15	10	Unbiased	600.4	600.15	-0.2551
16	10	Unbiased	599.11	598.79	-0.322
17	10	Biased	599.59	598.92	-0.6618
18	10	Biased	599.52	599.54	0.0171
19	10	Biased	600.81	600.76	-0.0519
20	10	Biased	599.86	599.54	-0.3226
21	10	Biased	599.93	599.6	-0.3227
22	30	Biased	599.52	598.86	-0.6617
23	30	Biased	599.59	599.4	-0.1867
24	30	Biased	599.99	599.13	-0.8658
25	30	Biased	599.93	599.88	-0.0512
26	30	Biased	599.99	599.67	-0.3227
27	30	Unbiased	599.45	599.2	-0.2544
28	30	Unbiased	600.54	600.35	-0.1874
29	30	Unbiased	600.13	600.15	0.0166
30	30	Unbiased	600.27	599.81	-0.4587
31	30	Unbiased	598.91	598.99	0.0856
32	50	Biased	600.47	599.67	-0.7983
33	50	Biased	600.47	599.74	-0.7305
34	50	Biased	600.06	599.88	-0.1871
35	50	Biased	599.86	599.74	-0.119
36	50	Biased	600.33	599.33	-1.0018
37	50	Unbiased	599.25	598.38	-0.8651
39	50	Unbiased	600.54	600.08	-0.4589
40	50	Unbiased	600.06	600.21	0.1524
41	50	Unbiased	600.74	600.42	-0.3234
42	50	Unbiased	600.54	600.69	0.152
43	100	Biased	599.11	599.2	0.0853
44	100	Biased	599.65	598.86	-0.7976
45	100	Biased	598.84	598.72	-0.1181
46	100	Biased	600.2	598.65	-1.5448
47	100	Biased	600.2	599.74	-0.4587
48	100	Unbiased	600.13	599.2	-0.9338
49	100	Unbiased	600.27	600.42	0.1523
50	100	Unbiased	601.15	600.89	-0.2559
51	100	Unbiased	599.38	599.26	-0.1185
52	100	Unbiased	600.13	600.15	0.0166
53	0	Correlation	599.38	599.2	-0.1864
54	0	Correlation	600.06	599.94	-0.1192
55	0	Correlation	600.13	600.21	0.0845
56	0	Correlation	599.31	599.33	0.0173

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	599.31	599.72	600.13	0.43329	599.2	599.67	600.21	0.48637	-0.1864	-0.05095	0.0845	0.12384
3	599.11	599.82	601.01	0.69228	598.86	599.65	600.83	0.70182	-0.3233	-0.16643	-0.0506	0.10637
10	599.11	599.9	600.81	0.50456	598.79	599.67	600.76	0.5857	-0.6618	-0.22761	0.0171	0.19767
30	598.91	599.83	600.54	0.47092	598.86	599.54	600.35	0.50541	-0.8658	-0.28864	0.0856	0.3007
50	599.25	600.23	600.74	0.43945	598.38	599.81	600.69	0.63957	-1.0018	-0.41797	0.1524	0.41987
100	598.84	599.91	601.15	0.67109	598.65	599.51	600.89	0.76278	-1.5448	-0.39732	0.1523	0.54268

Device Test: 13.18; VTH_SENSE





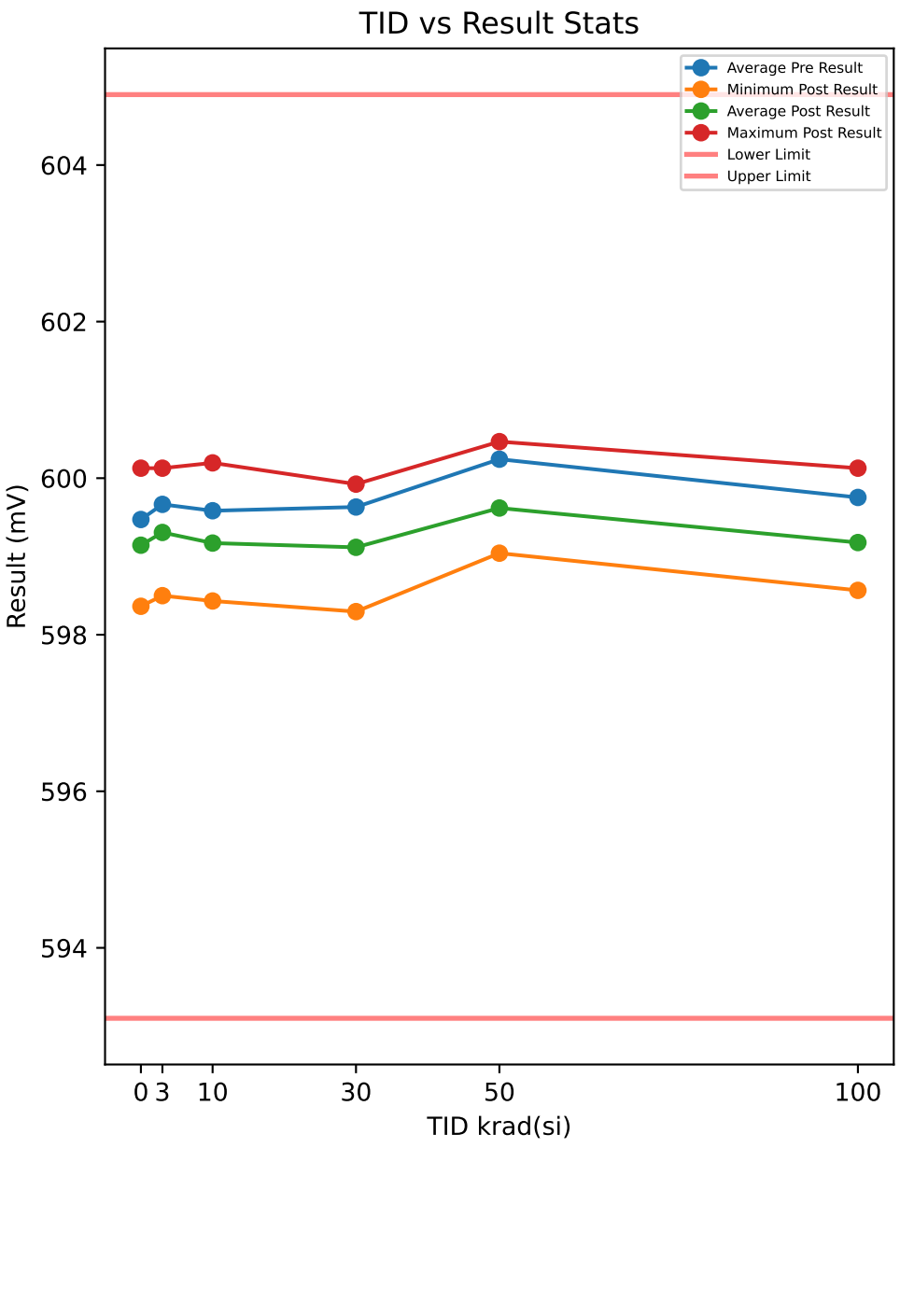
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

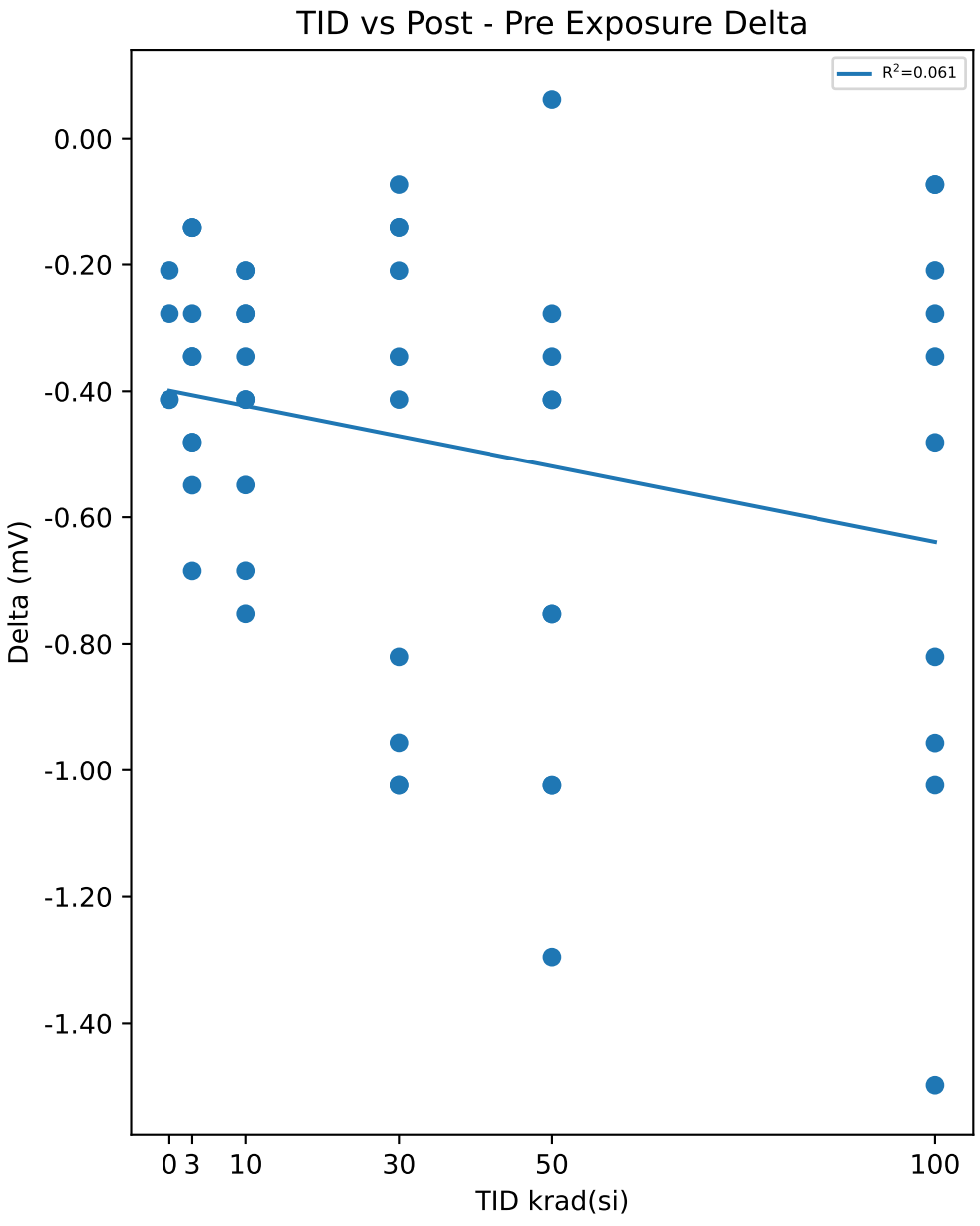
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	601.08	600.83	-0.2559
3	3	Biased	599.79	599.74	-0.0511
4	3	Biased	601.69	601.5	-0.1885
5	3	Biased	600.88	600.83	-0.052
6	3	Biased	600.67	600.49	-0.1875
7	3	Unbiased	599.79	599.94	0.1526
8	3	Unbiased	599.52	599.47	-0.0508
9	3	Unbiased	599.65	600.01	0.3564
10	3	Unbiased	600.54	600.15	-0.391
11	3	Unbiased	599.93	599.74	-0.187
12	10	Unbiased	600.54	600.69	0.152
13	10	Unbiased	599.99	600.08	0.0846
14	10	Unbiased	600.67	600.69	0.0161
15	10	Unbiased	600.88	600.76	-0.1198
16	10	Unbiased	599.59	599.54	-0.0509
17	10	Biased	600.33	599.88	-0.4588
18	10	Biased	600.2	600.08	-0.1192
19	10	Biased	601.56	601.5	-0.0526
20	10	Biased	600.4	600.21	-0.1872
21	10	Biased	600.61	600.08	-0.5269
22	30	Biased	600.06	599.54	-0.5265
23	30	Biased	600.27	600.01	-0.255
24	30	Biased	600.54	599.74	-0.7984
25	30	Biased	600.54	600.49	-0.0516
26	30	Biased	600.47	600.35	-0.1195
27	30	Unbiased	599.65	599.81	0.1527
28	30	Unbiased	601.22	601.1	-0.1202
29	30	Unbiased	600.47	600.76	0.2878
30	30	Unbiased	600.81	600.28	-0.5271
31	30	Unbiased	599.45	599.74	0.2886
32	50	Biased	600.95	600.35	-0.5951
33	50	Biased	600.95	600.28	-0.663
34	50	Biased	600.61	600.49	-0.1196
35	50	Biased	600.47	600.76	0.2878
36	50	Biased	600.88	600.21	-0.6628
37	50	Unbiased	599.72	598.99	-0.7297
39	50	Unbiased	601.15	600.83	-0.3238
40	50	Unbiased	600.54	600.69	0.152
41	50	Unbiased	601.15	600.89	-0.2559
42	50	Unbiased	601.35	601.23	-0.1202
43	100	Biased	599.52	599.81	0.2886
44	100	Biased	600.4	599.74	-0.6625
45	100	Biased	599.45	599.4	-0.0508
46	100	Biased	600.61	599.2	-1.4094
47	100	Biased	600.81	600.42	-0.3913
48	100	Unbiased	600.61	600.01	-0.5948
49	100	Unbiased	600.95	601.16	0.2195
50	100	Unbiased	601.56	601.78	0.2189
51	100	Unbiased	599.99	600.28	0.2882
52	100	Unbiased	600.54	600.62	0.0841
53	0	Correlation	599.79	600.01	0.2205
54	0	Correlation	600.33	600.55	0.22
55	0	Correlation	600.88	600.69	-0.1877
56	0	Correlation	600.2	600.15	-0.0513

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	599.79	600.3	600.88	0.44894	600.01	600.35	600.69	0.32316	-0.1877	0.050375	0.2205	0.20391
3	599.52	600.35	601.69	0.72546	599.47	600.27	601.5	0.63098	-0.391	-0.08548	0.3564	0.21322
10	599.59	600.48	601.56	0.52865	599.54	600.35	601.5	0.56342	-0.5269	-0.12627	0.152	0.21811
30	599.45	600.35	601.22	0.52118	599.54	600.18	601.1	0.50319	-0.7984	-0.16692	0.2886	0.3651
50	599.72	600.78	601.35	0.46771	598.99	600.47	601.23	0.60697	-0.7297	-0.30303	0.2878	0.35781
100	599.45	600.44	601.56	0.64392	599.2	600.24	601.78	0.79436	-1.4094	-0.20095	0.2886	0.55782

Device Test: 13.19; VTH_SENSE





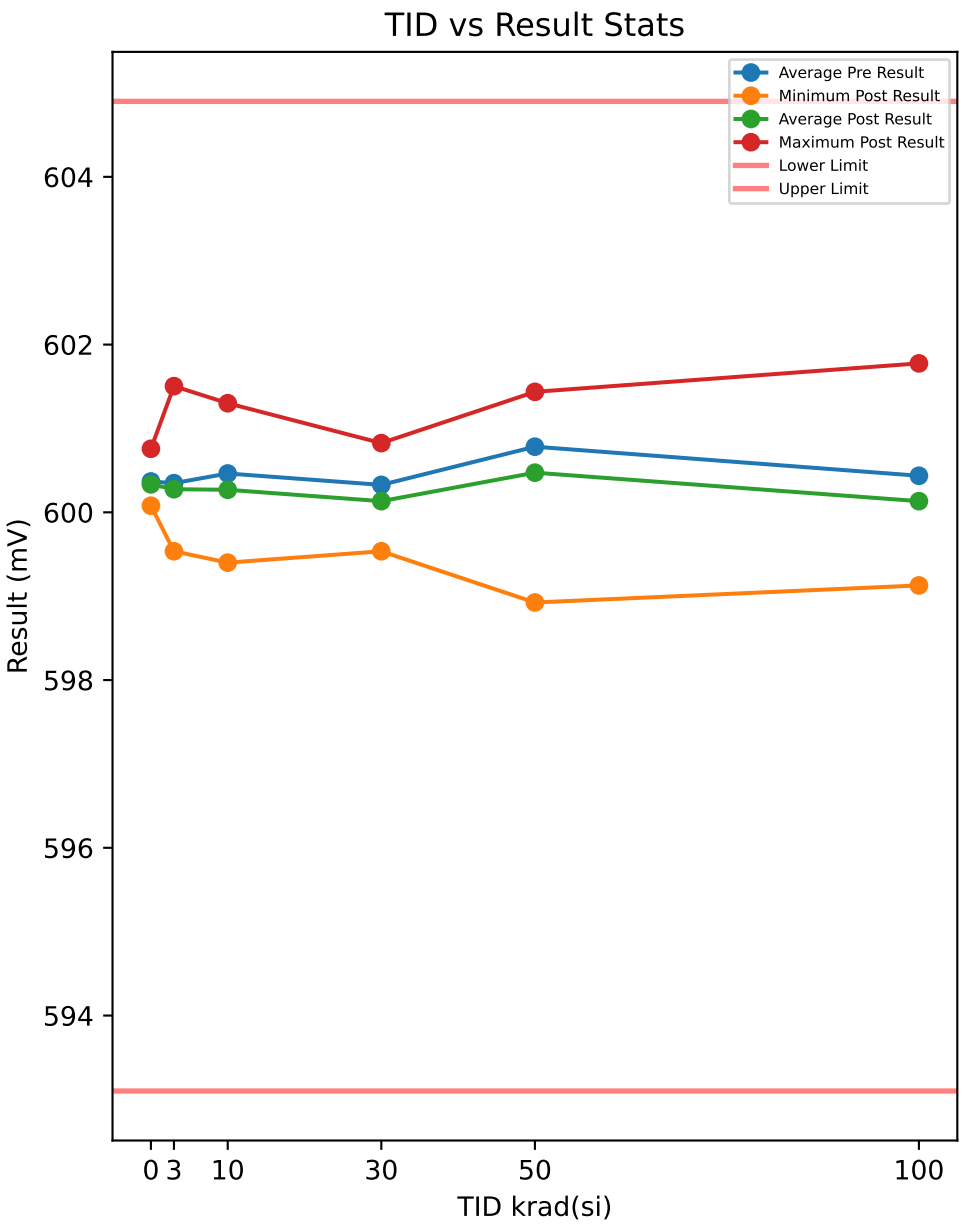
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

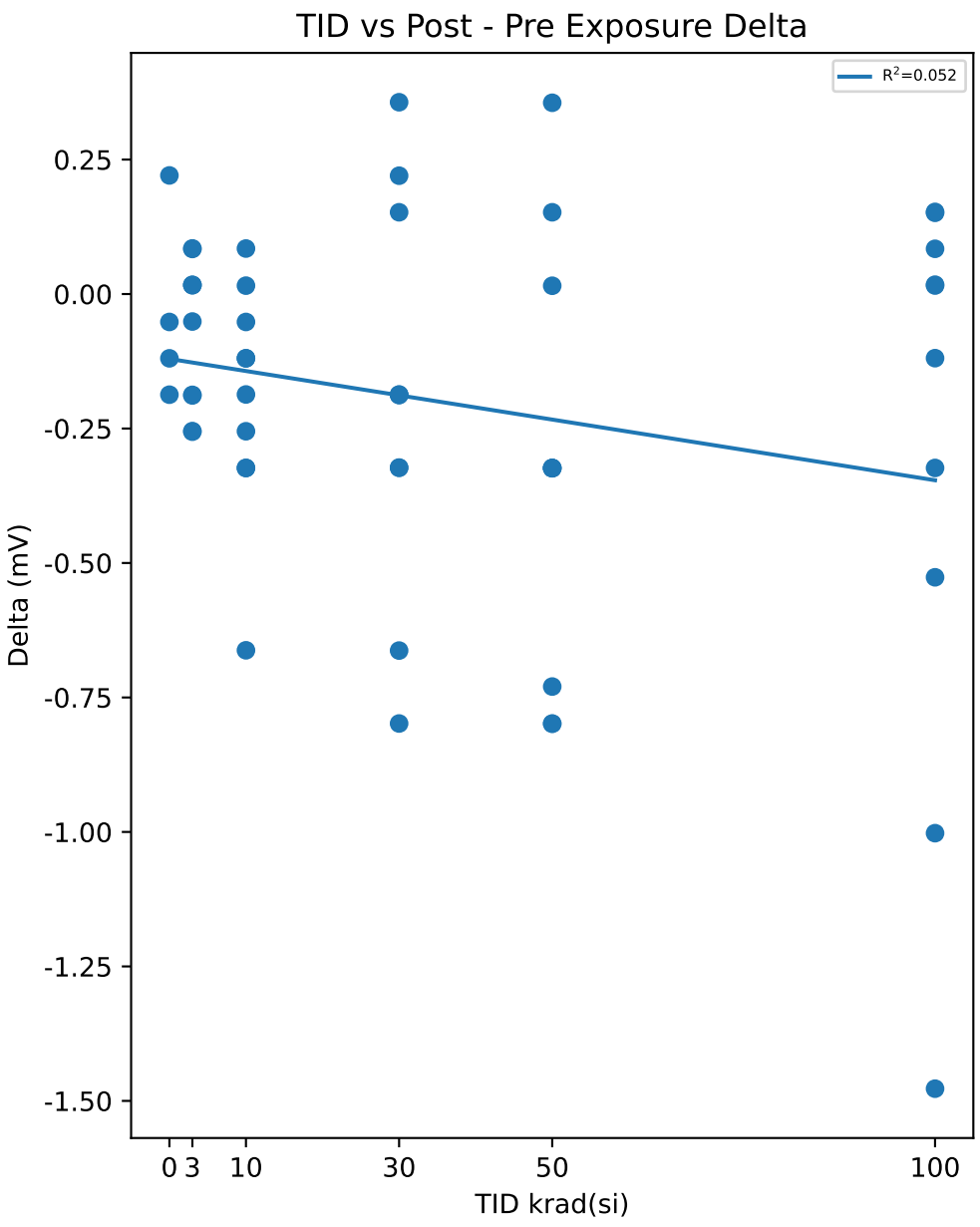
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600	599.31	-0.6848
3	3	Biased	599.39	598.91	-0.4809
4	3	Biased	600.68	600.13	-0.5493
5	3	Biased	600	599.86	-0.142
6	3	Biased	600.27	600.13	-0.142
7	3	Unbiased	599.25	598.91	-0.3452
8	3	Unbiased	599.18	599.04	-0.1417
9	3	Unbiased	599.05	598.7	-0.3452
10	3	Unbiased	599.86	599.58	-0.2776
11	3	Unbiased	598.98	598.5	-0.4808
12	10	Unbiased	599.39	599.18	-0.2096
13	10	Unbiased	599.39	599.04	-0.3453
14	10	Unbiased	599.93	599.65	-0.2776
15	10	Unbiased	600	599.72	-0.2777
16	10	Unbiased	598.91	598.5	-0.4129
17	10	Biased	599.18	598.43	-0.7524
18	10	Biased	599.52	598.97	-0.5489
19	10	Biased	600.41	600.2	-0.2099
20	10	Biased	599.52	598.84	-0.6846
21	10	Biased	599.59	599.18	-0.4133
22	30	Biased	599.59	598.63	-0.9561
23	30	Biased	599.79	598.97	-0.8204
24	30	Biased	599.52	598.5	-1.0239
25	30	Biased	599.66	599.52	-0.1418
26	30	Biased	599.93	599.58	-0.3455
27	30	Unbiased	599.25	598.84	-0.4131
28	30	Unbiased	600.13	599.92	-0.2098
29	30	Unbiased	599.59	599.52	-0.0739
30	30	Unbiased	600.41	599.38	-1.0242
31	30	Unbiased	598.44	598.3	-0.1413
32	50	Biased	600.95	599.92	-1.0244
33	50	Biased	600.13	599.11	-1.0241
34	50	Biased	600	599.58	-0.4134
35	50	Biased	599.66	599.31	-0.3454
36	50	Biased	600.34	599.58	-0.7527
37	50	Unbiased	600.34	599.04	-1.2956
39	50	Unbiased	600.88	600.47	-0.4137
40	50	Unbiased	599.66	599.72	0.0617
41	50	Unbiased	600.27	599.52	-0.7527
42	50	Unbiased	600.2	599.92	-0.2777
43	100	Biased	598.98	598.77	-0.2094
44	100	Biased	599.86	598.84	-1.024
45	100	Biased	599.32	598.97	-0.3453
46	100	Biased	600.07	598.57	-1.4991
47	100	Biased	599.79	598.97	-0.8204
48	100	Unbiased	600.81	599.86	-0.9565
49	100	Unbiased	599.86	599.58	-0.2776
50	100	Unbiased	600.2	600.13	-0.0741
51	100	Unbiased	599.59	599.11	-0.4811
52	100	Unbiased	599.05	598.97	-0.0737
53	0	Correlation	598.78	598.36	-0.4129
54	0	Correlation	599.79	599.52	-0.2775
55	0	Correlation	600.54	600.13	-0.4135
56	0	Correlation	598.78	598.57	-0.2094

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	598.78	599.47	600.54	0.8593	598.36	599.14	600.13	0.82647	-0.4135	-0.32833	-0.2094	0.10187
3	598.98	599.67	600.68	0.57552	598.5	599.31	600.13	0.59023	-0.6848	-0.35895	-0.1417	0.1887
10	598.91	599.58	600.41	0.42986	598.43	599.17	600.2	0.55262	-0.7524	-0.41322	-0.2096	0.19185
30	598.44	599.63	600.41	0.53276	598.3	599.12	599.92	0.54233	-1.0242	-0.515	-0.0739	0.39607
50	599.66	600.24	600.95	0.43191	599.04	599.62	600.47	0.42346	-1.2956	-0.6238	0.0617	0.41645
100	598.98	599.75	600.81	0.5535	598.57	599.18	600.13	0.5068	-1.4991	-0.57612	-0.0737	0.47694

Device Test: 13.2; VTH_SENSE





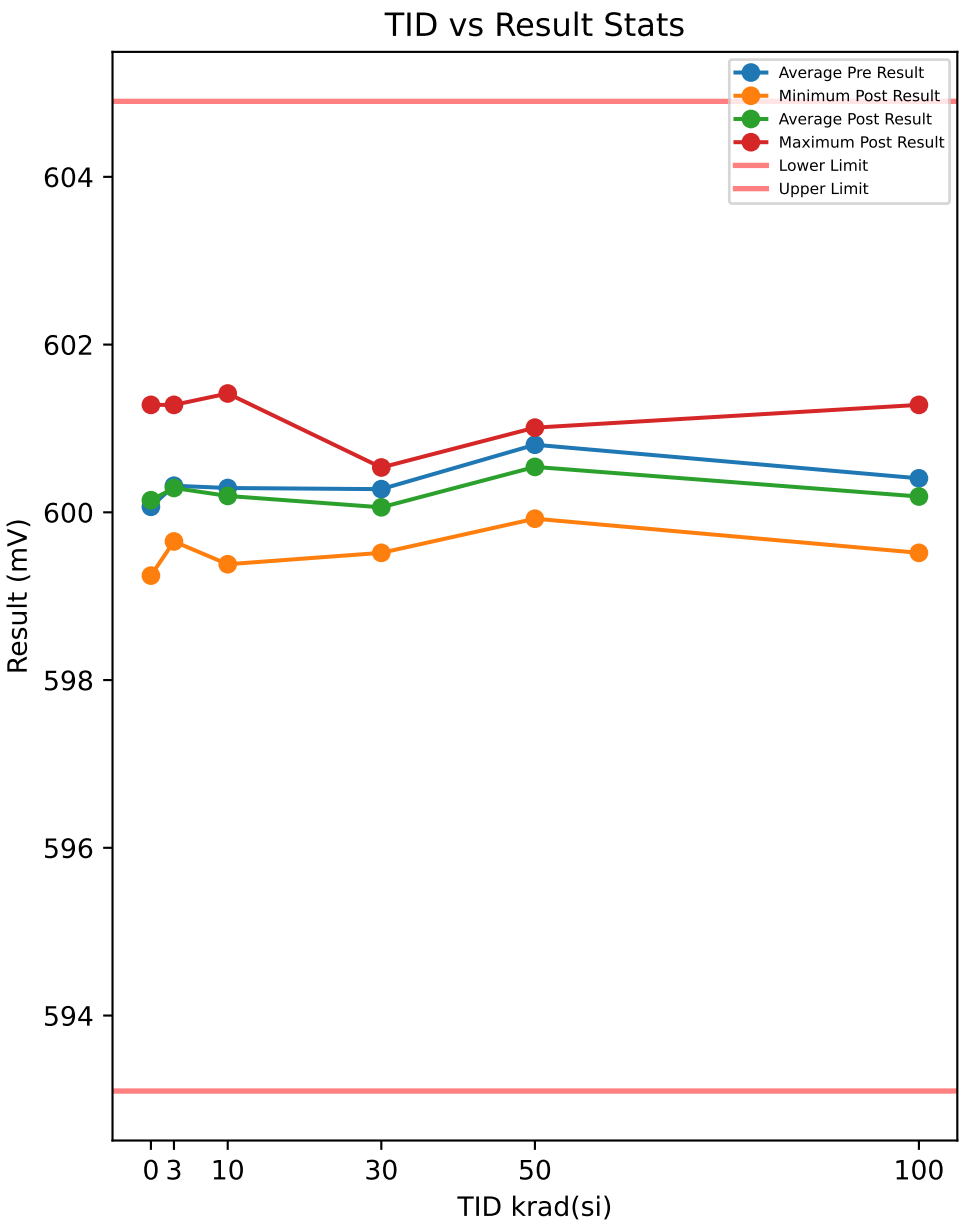
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

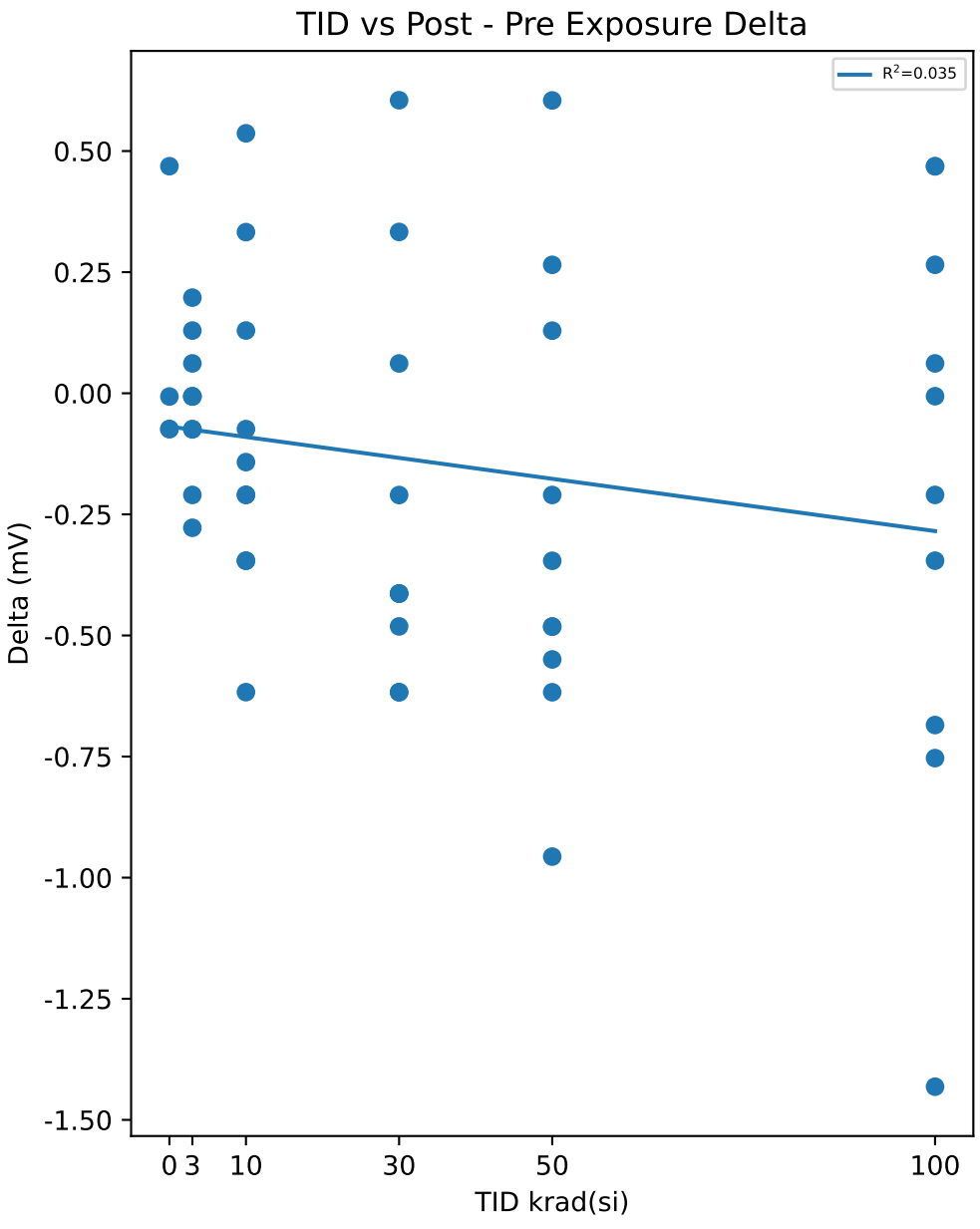
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	601.08	600.83	-0.2559
3	3	Biased	599.86	599.81	-0.0511
4	3	Biased	601.69	601.5	-0.1885
5	3	Biased	600.88	600.96	0.0838
6	3	Biased	600.47	600.49	0.0163
7	3	Unbiased	599.86	599.88	0.0168
8	3	Unbiased	599.52	599.54	0.0171
9	3	Unbiased	599.65	599.74	0.0848
10	3	Unbiased	600.54	600.35	-0.1874
11	3	Unbiased	599.93	599.67	-0.2548
12	10	Unbiased	600.54	600.42	-0.1195
13	10	Unbiased	599.93	600.01	0.0846
14	10	Unbiased	600.81	600.49	-0.3234
15	10	Unbiased	600.81	600.76	-0.0519
16	10	Unbiased	599.59	599.4	-0.1867
17	10	Biased	600.27	599.6	-0.6623
18	10	Biased	600.33	600.08	-0.2551
19	10	Biased	601.29	601.3	0.0156
20	10	Biased	600.67	600.35	-0.3233
21	10	Biased	600.4	600.28	-0.1194
22	30	Biased	599.86	599.54	-0.3226
23	30	Biased	600.4	600.08	-0.323
24	30	Biased	600.54	599.74	-0.7984
25	30	Biased	600.4	600.62	0.22
26	30	Biased	600.4	600.21	-0.1872
27	30	Unbiased	599.86	599.67	-0.1868
28	30	Unbiased	601.01	600.83	-0.1879
29	30	Unbiased	600.54	600.69	0.152
30	30	Unbiased	600.88	600.21	-0.6628
31	30	Unbiased	599.38	599.74	0.3566
32	50	Biased	600.81	600.49	-0.3234
33	50	Biased	601.01	600.21	-0.7987
34	50	Biased	600.74	600.42	-0.3234
35	50	Biased	600.54	600.69	0.152
36	50	Biased	600.88	600.08	-0.7986
37	50	Unbiased	599.65	598.92	-0.7297
39	50	Unbiased	601.01	600.69	-0.3236
40	50	Unbiased	600.54	600.89	0.3556
41	50	Unbiased	601.22	600.89	-0.3239
42	50	Unbiased	601.42	601.44	0.0154
43	100	Biased	599.59	599.74	0.1527
44	100	Biased	600.27	599.74	-0.5266
45	100	Biased	599.25	599.26	0.0174
46	100	Biased	600.61	599.13	-1.4773
47	100	Biased	600.67	600.35	-0.3233
48	100	Unbiased	600.74	599.74	-1.0023
49	100	Unbiased	601.01	601.03	0.0158
50	100	Unbiased	601.62	601.78	0.151
51	100	Unbiased	600.06	599.94	-0.1192
52	100	Unbiased	600.54	600.62	0.0841
53	0	Correlation	599.86	600.08	0.2205
54	0	Correlation	600.54	600.42	-0.1195
55	0	Correlation	600.81	600.76	-0.0519
56	0	Correlation	600.27	600.08	-0.1871

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	599.86	600.37	600.81	0.40577	600.08	600.33	600.76	0.32495	-0.1871	-0.0345	0.2205	0.17874
3	599.52	600.35	601.69	0.70739	599.54	600.28	601.5	0.65927	-0.2559	-0.07189	0.0848	0.13624
10	599.59	600.46	601.29	0.48089	599.4	600.27	601.3	0.54571	-0.6623	-0.19414	0.0846	0.21328
30	599.38	600.33	601.01	0.4956	599.54	600.13	600.83	0.46239	-0.7984	-0.19401	0.3566	0.36707
50	599.65	600.78	601.42	0.48383	598.92	600.47	601.44	0.66647	-0.7987	-0.30983	0.3556	0.39676
100	599.25	600.44	601.62	0.68636	599.13	600.13	601.78	0.8201	-1.4773	-0.30277	0.1527	0.54976

Device Test: 13.20; VTH_SENSE





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

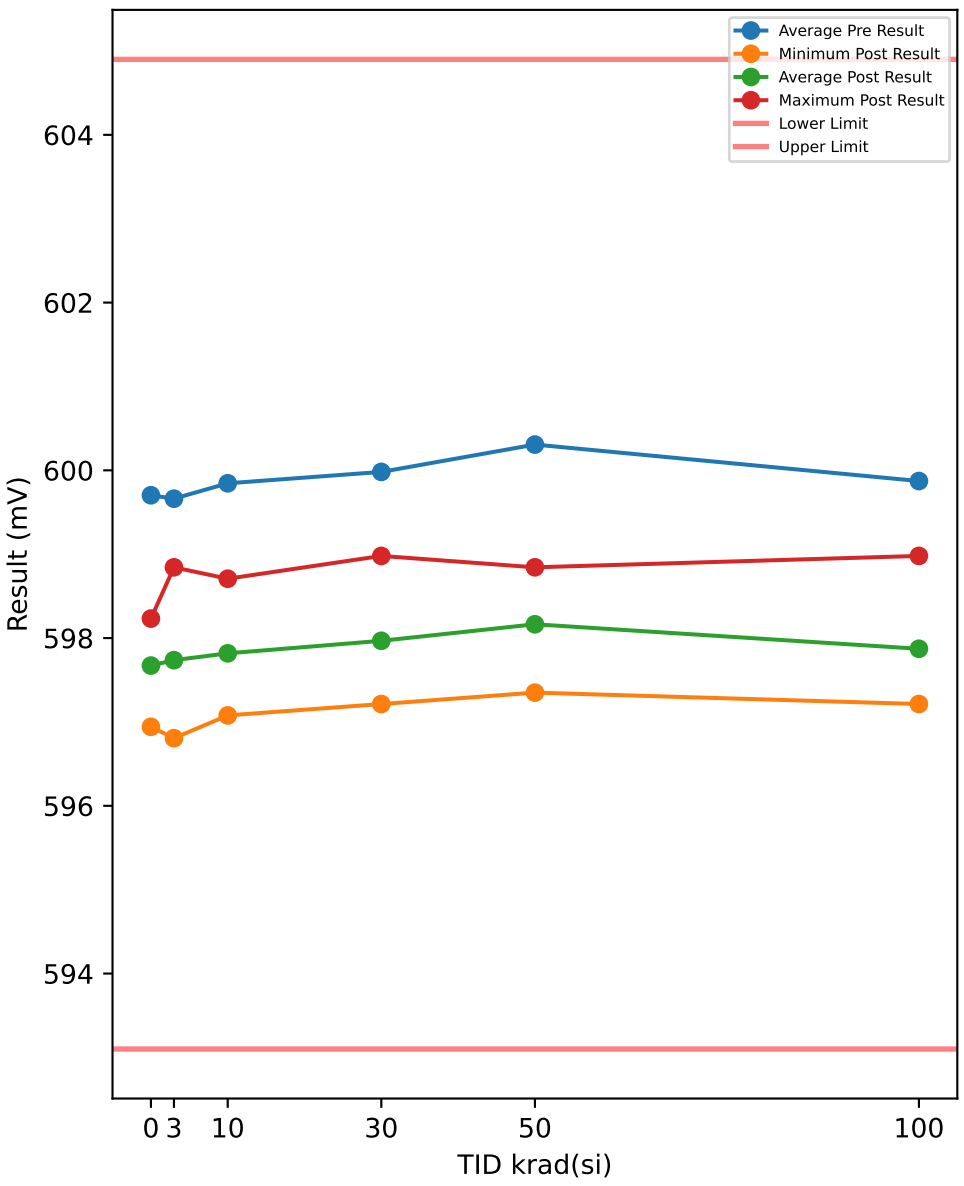
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.47	600.26	-0.2099
3	3	Biased	599.86	600.06	0.1974
4	3	Biased	601.29	601.28	-0.0067
5	3	Biased	600.74	600.74	-0.0064
6	3	Biased	601.02	600.94	-0.0745
7	3	Unbiased	600	600.06	0.0616
8	3	Unbiased	600	599.72	-0.2777
9	3	Unbiased	599.79	599.79	-0.0062
10	3	Unbiased	600.27	600.4	0.1294
11	3	Unbiased	599.73	599.65	-0.074
12	10	Unbiased	600	600.13	0.1295
13	10	Unbiased	600.34	600.13	-0.2098
14	10	Unbiased	600.61	600.47	-0.1422
15	10	Unbiased	600.68	600.33	-0.3458
16	10	Unbiased	599.59	599.38	-0.2097
17	10	Biased	600	599.38	-0.617
18	10	Biased	600.13	600.67	0.5366
19	10	Biased	601.08	601.42	0.3326
20	10	Biased	600.07	599.99	-0.074
21	10	Biased	600.41	600.06	-0.3456
22	30	Biased	600.2	599.72	-0.4813
23	30	Biased	600.41	599.99	-0.4134
24	30	Biased	600.2	599.58	-0.617
25	30	Biased	600.27	600.33	0.0615
26	30	Biased	600.68	600.47	-0.2101
27	30	Unbiased	599.93	599.52	-0.4133
28	30	Unbiased	600.95	600.53	-0.4137
29	30	Unbiased	600.2	600.53	0.333
30	30	Unbiased	600.95	600.33	-0.6173
31	30	Unbiased	598.98	599.58	0.6049
32	50	Biased	601.22	600.87	-0.3459
33	50	Biased	600.88	600.26	-0.6172
34	50	Biased	600.61	600.4	-0.21
35	50	Biased	600.2	600.47	0.2651
36	50	Biased	601.02	600.47	-0.5495
37	50	Unbiased	600.88	599.92	-0.9565
39	50	Unbiased	601.49	601.01	-0.4818
40	50	Unbiased	600.13	600.74	0.6045
41	50	Unbiased	600.81	600.33	-0.4815
42	50	Unbiased	600.81	600.94	0.1292
43	100	Biased	599.66	599.65	-0.0061
44	100	Biased	600.41	599.72	-0.6849
45	100	Biased	600	600.06	0.0616
46	100	Biased	600.95	599.52	-1.4315
47	100	Biased	600.41	600.06	-0.3456
48	100	Unbiased	601.42	600.67	-0.7532
49	100	Unbiased	600.47	600.94	0.4686
50	100	Unbiased	600.81	601.28	0.4685
51	100	Unbiased	599.93	600.2	0.2652
52	100	Unbiased	600	599.79	-0.2099
53	0	Correlation	599.46	599.38	-0.0739
54	0	Correlation	600.2	600.67	0.4687
55	0	Correlation	601.29	601.28	-0.0067
56	0	Correlation	599.32	599.25	-0.0739

Test Statistics (mV)

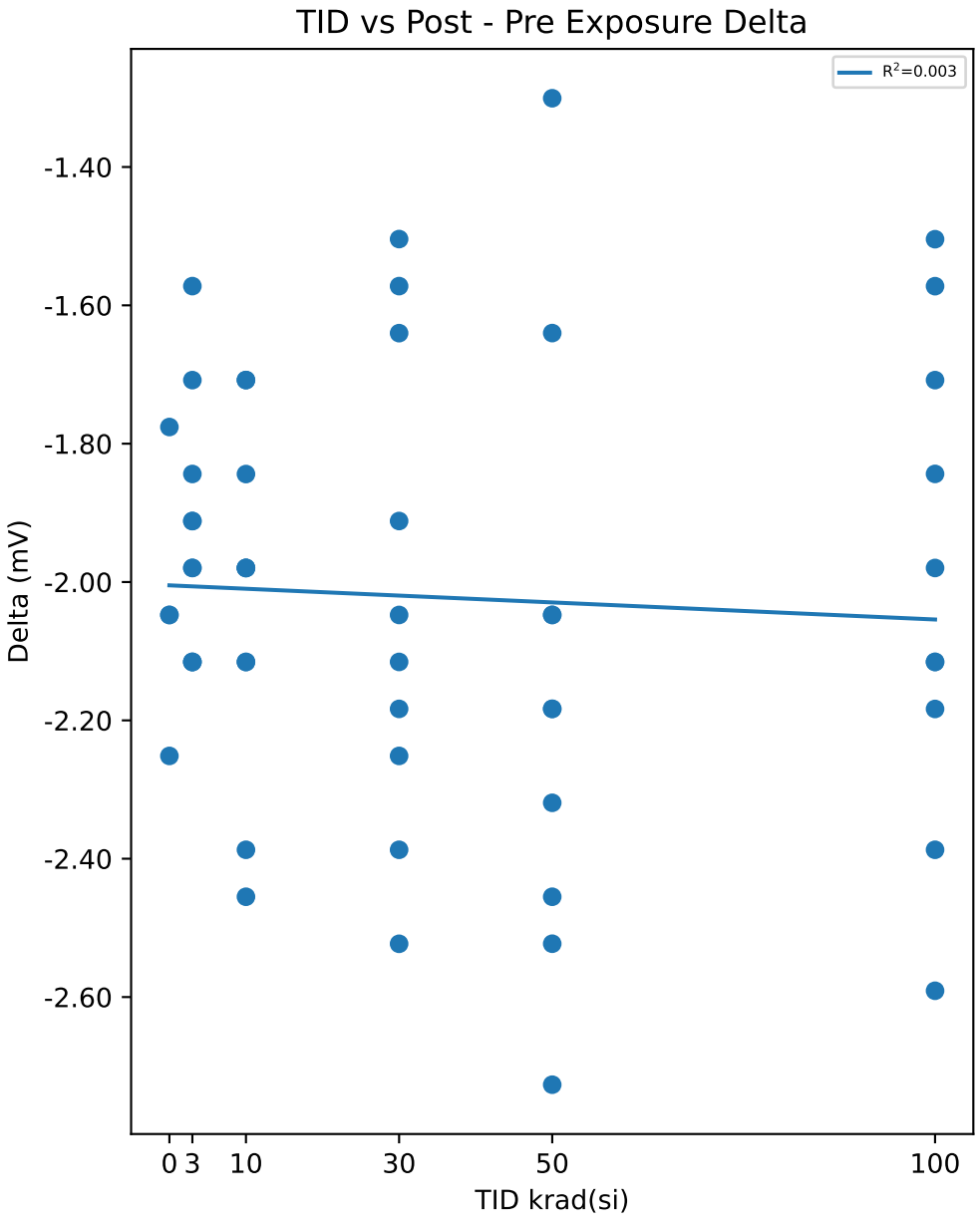
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	599.32	600.07	601.29	0.90224	599.25	600.14	601.28	0.99324	-0.0739	0.07855	0.4687	0.26202
3	599.73	600.32	601.29	0.54496	599.65	600.29	601.28	0.54866	-0.2777	-0.0267	0.1974	0.14326
10	599.59	600.29	601.08	0.42579	599.38	600.2	601.42	0.59672	-0.617	-0.09454	0.5366	0.34308
30	598.98	600.28	600.95	0.56745	599.52	600.06	600.53	0.42556	-0.6173	-0.21667	0.6049	0.41654
50	600.13	600.81	601.49	0.41533	599.92	600.54	601.01	0.3437	-0.9565	-0.26436	0.6045	0.46893
100	599.66	600.41	601.42	0.53925	599.52	600.19	601.28	0.59107	-1.4315	-0.21673	0.4686	0.60485

Device Test: 13.21; VTH_SENSE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



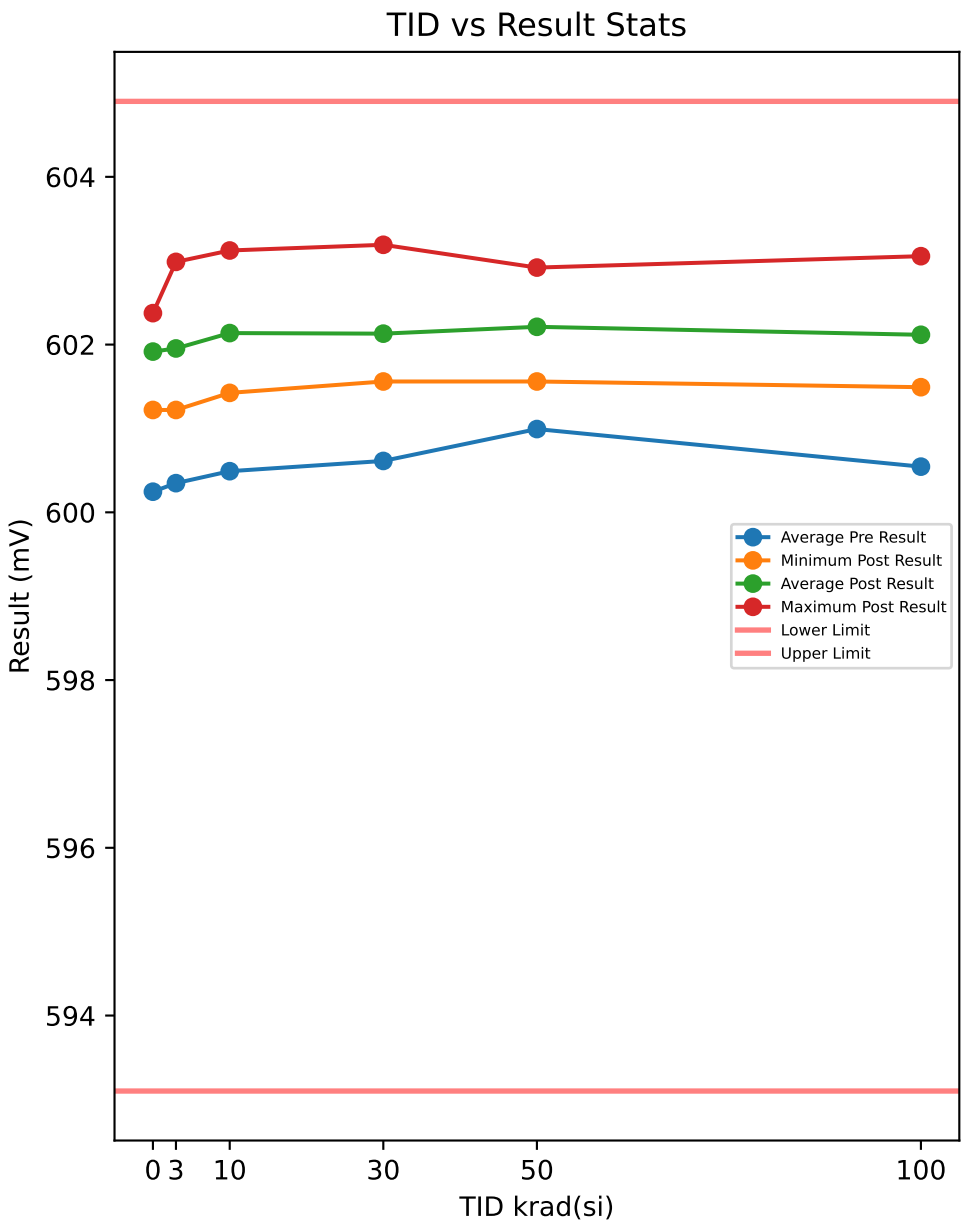
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

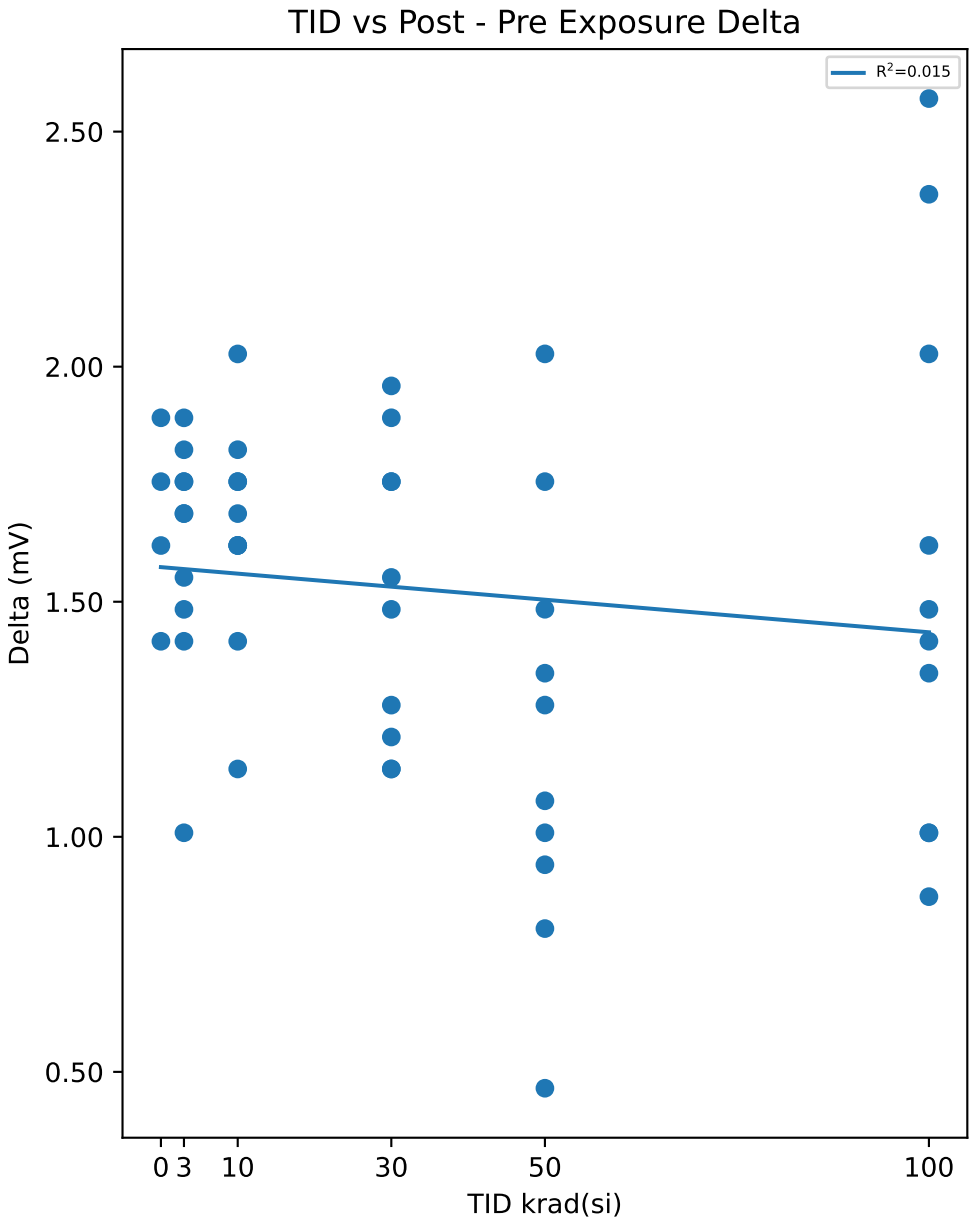
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.42	598.84	-1.5722
3	3	Biased	599.4	597.49	-1.9118
4	3	Biased	600.82	598.71	-2.1154
5	3	Biased	600.08	598.1	-1.9796
6	3	Biased	599.87	598.03	-1.8438
7	3	Unbiased	599.6	597.62	-1.9797
8	3	Unbiased	599.19	597.08	-2.1156
9	3	Unbiased	598.92	597.01	-1.9119
10	3	Unbiased	599.4	597.69	-1.7081
11	3	Unbiased	598.92	596.81	-2.1156
12	10	Unbiased	599.67	597.82	-1.8439
13	10	Unbiased	599.94	597.82	-2.1156
14	10	Unbiased	600.01	598.3	-1.708
15	10	Unbiased	600.48	598.1	-2.3871
16	10	Unbiased	599.06	597.08	-1.9798
17	10	Biased	599.87	597.42	-2.455
18	10	Biased	599.4	597.42	-1.9797
19	10	Biased	600.42	598.71	-1.708
20	10	Biased	599.87	597.89	-1.9796
21	10	Biased	599.74	597.62	-2.1155
22	30	Biased	599.87	597.82	-2.0476
23	30	Biased	599.94	597.69	-2.2514
24	30	Biased	600.35	597.96	-2.3871
25	30	Biased	600.48	598.98	-1.5042
26	30	Biased	600.14	598.23	-1.9118
27	30	Unbiased	599.53	597.35	-2.1834
28	30	Unbiased	600.21	598.1	-2.1155
29	30	Unbiased	600.28	598.71	-1.5722
30	30	Unbiased	599.74	597.21	-2.523
31	30	Unbiased	599.26	597.62	-1.6402
32	50	Biased	600.96	598.78	-2.1833
33	50	Biased	600.55	598.23	-2.3192
34	50	Biased	600.89	598.84	-2.0475
35	50	Biased	600.01	598.37	-1.6401
36	50	Biased	599.8	597.35	-2.455
37	50	Unbiased	600.55	597.82	-2.7267
39	50	Unbiased	600.01	597.49	-2.5229
40	50	Unbiased	599.67	598.37	-1.3006
41	50	Unbiased	600.35	598.16	-2.1834
42	50	Unbiased	600.28	598.23	-2.0476
43	100	Biased	598.92	597.42	-1.5044
44	100	Biased	599.8	597.69	-2.1155
45	100	Biased	599.26	597.69	-1.5723
46	100	Biased	600.01	597.62	-2.3871
47	100	Biased	600.14	598.16	-1.9797
48	100	Unbiased	600.35	597.76	-2.5909
49	100	Unbiased	600.21	598.5	-1.7081
50	100	Unbiased	600.82	598.98	-1.8437
51	100	Unbiased	599.4	597.21	-2.1835
52	100	Unbiased	599.8	597.69	-2.1155
53	0	Correlation	599.67	597.62	-2.0476
54	0	Correlation	599.94	597.89	-2.0476
55	0	Correlation	600.01	598.23	-1.7759
56	0	Correlation	599.19	596.94	-2.2514

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	599.19	599.7	600.01	0.36985	596.94	597.67	598.23	0.54717	-2.2514	-2.0306	-1.7759	0.19511
3	598.92	599.66	600.82	0.6317	596.81	597.74	598.84	0.69038	-2.1156	-1.9254	-1.5722	0.18053
10	599.06	599.85	600.48	0.42612	597.08	597.82	598.71	0.47316	-2.455	-2.0272	-1.708	0.25217
30	599.26	599.98	600.48	0.38707	597.21	597.97	598.98	0.56044	-2.523	-2.0136	-1.5042	0.34961
50	599.67	600.31	600.96	0.43799	597.35	598.16	598.84	0.49075	-2.7267	-2.1426	-1.3006	0.4213
100	598.92	599.87	600.82	0.5627	597.21	597.87	598.98	0.52998	-2.5909	-2.0001	-1.5044	0.34928

Device Test: 13.22; VTH_SENSE





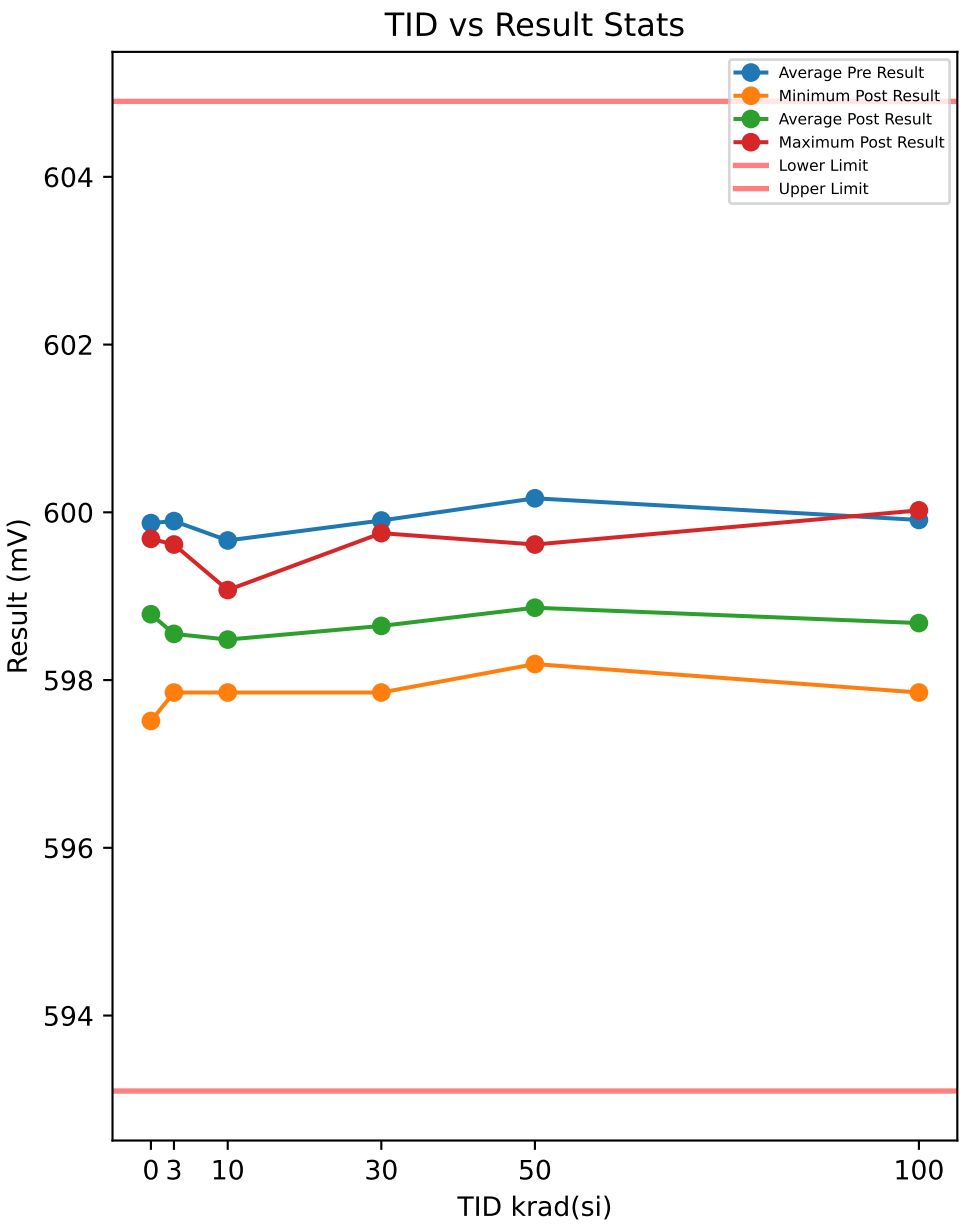
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

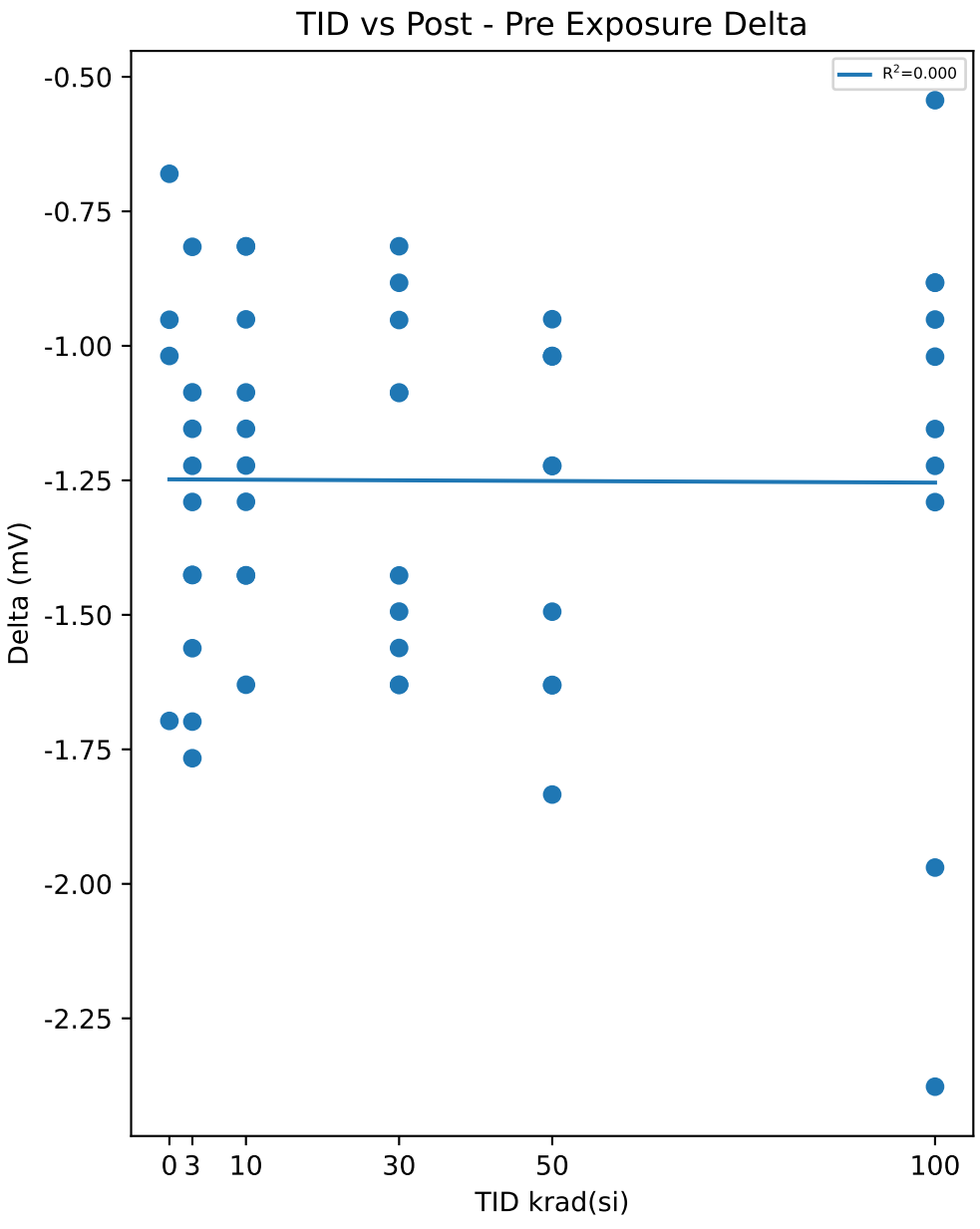
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	601.16	602.17	1.0086
3	3	Biased	600.14	601.7	1.5517
4	3	Biased	601.3	602.99	1.6876
5	3	Biased	600.89	602.65	1.7555
6	3	Biased	600.62	602.37	1.7555
7	3	Unbiased	600.28	602.1	1.8233
8	3	Unbiased	599.87	601.29	1.4159
9	3	Unbiased	599.4	601.29	1.8912
10	3	Unbiased	600.08	601.76	1.6876
11	3	Unbiased	599.74	601.22	1.4838
12	10	Unbiased	600.42	602.1	1.6875
13	10	Unbiased	600.55	602.31	1.7555
14	10	Unbiased	600.62	602.24	1.6197
15	10	Unbiased	600.89	602.51	1.6198
16	10	Unbiased	599.67	601.42	1.7555
17	10	Biased	600.42	601.83	1.4159
18	10	Biased	600.01	602.04	2.0271
19	10	Biased	601.3	603.12	1.8234
20	10	Biased	600.69	601.83	1.1443
21	10	Biased	600.35	601.97	1.6197
22	30	Biased	600.42	601.56	1.1443
23	30	Biased	600.55	602.1	1.5517
24	30	Biased	601.03	602.24	1.2123
25	30	Biased	601.3	603.19	1.8913
26	30	Biased	600.76	602.04	1.2801
27	30	Unbiased	600.21	601.97	1.7555
28	30	Unbiased	600.76	601.9	1.1443
29	30	Unbiased	600.82	602.58	1.7555
30	30	Unbiased	600.35	601.83	1.4838
31	30	Unbiased	599.94	601.9	1.9591
32	50	Biased	601.71	602.78	1.0766
33	50	Biased	601.37	602.37	1.0086
34	50	Biased	601.43	602.92	1.484
35	50	Biased	600.69	602.71	2.0272
36	50	Biased	600.21	601.56	1.348
37	50	Unbiased	601.23	601.7	0.4652
39	50	Unbiased	600.82	601.63	0.8048
40	50	Unbiased	600.42	602.17	1.7555
41	50	Unbiased	601.09	602.04	0.9406
42	50	Unbiased	600.96	602.24	1.2802
43	100	Biased	599.53	602.1	2.5703
44	100	Biased	600.48	601.49	1.0084
45	100	Biased	600.01	602.37	2.3667
46	100	Biased	600.89	601.76	0.8727
47	100	Biased	600.48	602.51	2.0272
48	100	Unbiased	601.23	602.24	1.0085
49	100	Unbiased	600.89	602.31	1.416
50	100	Unbiased	601.43	603.05	1.6198
51	100	Unbiased	600.14	601.63	1.4838
52	100	Unbiased	600.35	601.7	1.348
53	0	Correlation	600.21	601.83	1.6196
54	0	Correlation	600.35	602.24	1.8913
55	0	Correlation	600.62	602.37	1.7555
56	0	Correlation	599.8	601.22	1.4159

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	600.25	600.62	0.33954	601.22	601.92	602.37	0.51832	1.4159	1.6706	1.8913	0.2028
3	599.4	600.35	601.3	0.62892	601.22	601.95	602.99	0.60725	1.0086	1.6061	1.8912	0.25766
10	599.67	600.49	601.3	0.44868	601.42	602.14	603.12	0.45752	1.1443	1.6468	2.0271	0.23784
30	599.94	600.61	601.3	0.40166	601.56	602.13	603.19	0.45857	1.1443	1.5178	1.9591	0.31241
50	600.21	600.99	601.71	0.46852	601.56	602.21	602.92	0.49097	0.4652	1.2191	2.0272	0.46109
100	599.53	600.54	601.43	0.57925	601.49	602.12	603.05	0.48107	0.8727	1.5721	2.5703	0.58158

Device Test: 13.23; VTH_SENSE





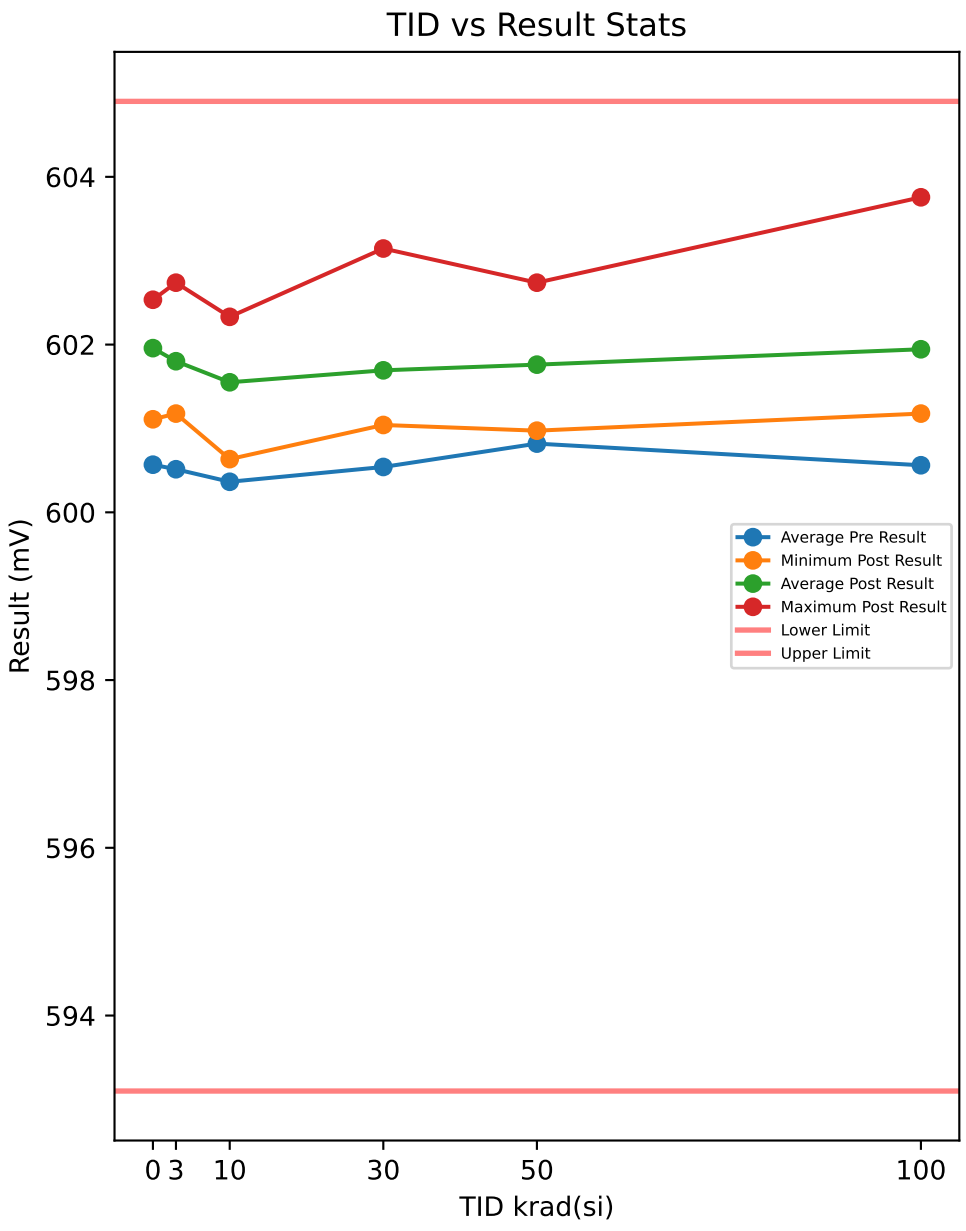
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

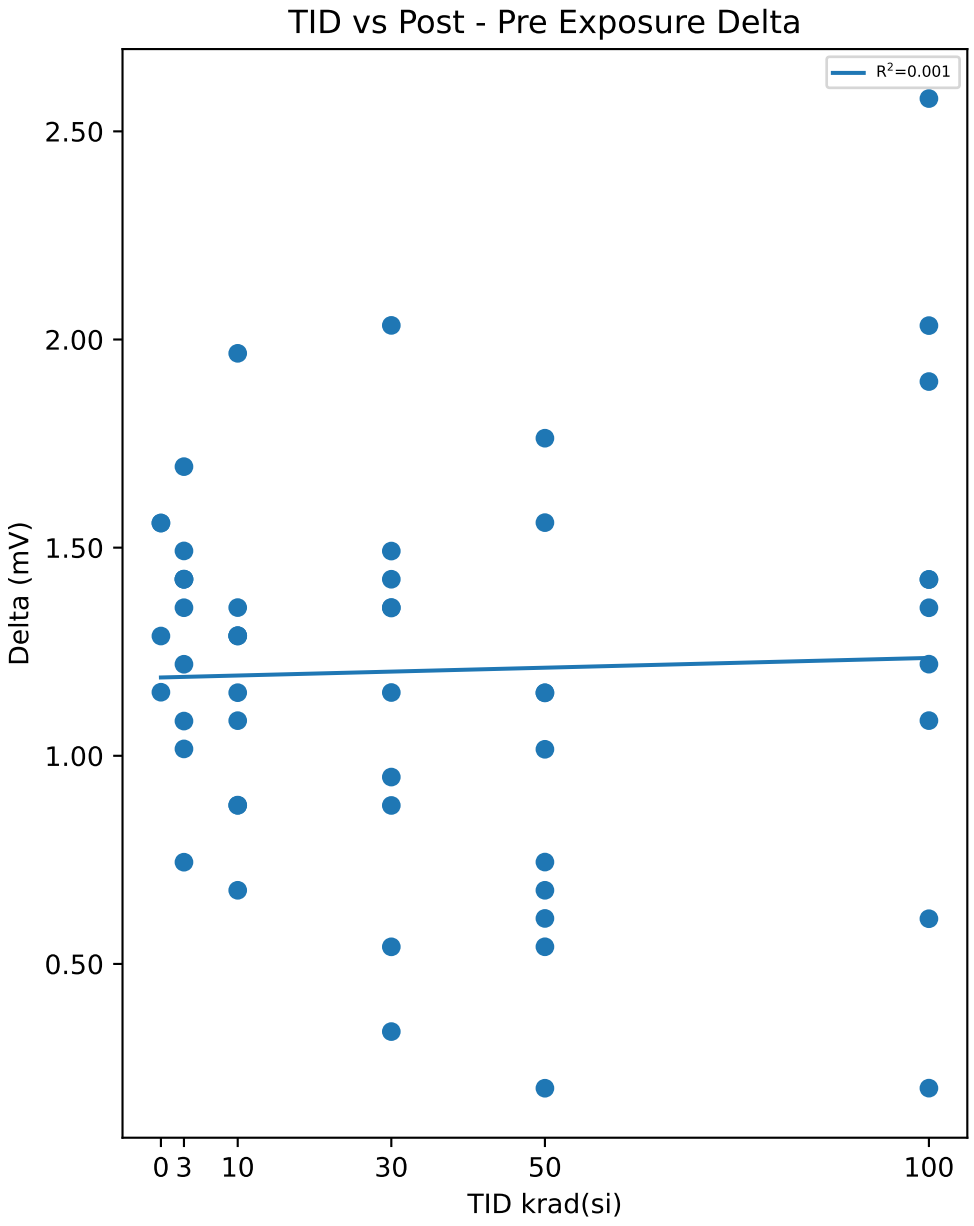
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.43	599.62	-0.816
3	3	Biased	599.62	598.19	-1.426
4	3	Biased	600.91	599.14	-1.7665
5	3	Biased	600.57	598.87	-1.6984
6	3	Biased	599.96	598.39	-1.562
7	3	Unbiased	599.28	598.19	-1.0864
8	3	Unbiased	599.28	597.85	-1.4258
9	3	Unbiased	599.21	598.06	-1.1542
10	3	Unbiased	600.16	598.94	-1.2229
11	3	Unbiased	599.55	598.26	-1.2902
12	10	Unbiased	599.68	598.46	-1.2225
13	10	Unbiased	599.62	598.53	-1.0866
14	10	Unbiased	599.96	598.33	-1.6299
15	10	Unbiased	600.02	598.6	-1.4264
16	10	Unbiased	599.21	598.06	-1.1542
17	10	Biased	599.14	597.85	-1.2899
18	10	Biased	599.55	598.73	-0.8151
19	10	Biased	600.5	599.07	-1.4268
20	10	Biased	599.48	598.67	-0.8151
21	10	Biased	599.48	598.53	-0.9508
22	30	Biased	600.16	598.53	-1.6301
23	30	Biased	599.62	598.53	-1.0866
24	30	Biased	600.36	598.94	-1.4267
25	30	Biased	600.57	599.48	-1.0876
26	30	Biased	599.55	598.06	-1.4939
27	30	Unbiased	599.41	597.85	-1.5616
28	30	Unbiased	600.7	599.75	-0.952
29	30	Unbiased	599.28	598.39	-0.8828
30	30	Unbiased	600.09	598.46	-1.63
31	30	Unbiased	599.28	598.46	-0.8149
32	50	Biased	599.96	598.73	-1.2226
33	50	Biased	599.62	598.6	-1.0188
34	50	Biased	600.84	599.62	-1.2235
35	50	Biased	599.14	598.19	-0.9505
36	50	Biased	600.23	598.6	-1.6302
37	50	Unbiased	600.43	598.6	-1.834
39	50	Unbiased	600.64	599.62	-1.0197
40	50	Unbiased	599.82	598.8	-1.019
41	50	Unbiased	599.89	598.39	-1.4941
42	50	Unbiased	601.11	599.48	-1.631
43	100	Biased	598.73	597.85	-0.8823
44	100	Biased	599.96	598.67	-1.2905
45	100	Biased	599.41	598.87	-0.5435
46	100	Biased	600.43	598.06	-2.377
47	100	Biased	599.82	598.87	-0.9511
48	100	Unbiased	600.43	598.46	-1.9697
49	100	Unbiased	600.23	599.01	-1.223
50	100	Unbiased	601.04	600.02	-1.0201
51	100	Unbiased	599.75	598.6	-1.1546
52	100	Unbiased	599.28	598.39	-0.8828
53	0	Correlation	599.75	598.73	-1.0188
54	0	Correlation	600.16	599.21	-0.9515
55	0	Correlation	600.36	599.68	-0.6802
56	0	Correlation	599.21	597.51	-1.6971

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	599.21	599.87	600.36	0.50952	597.51	598.78	599.68	0.93283	-1.6971	-1.0869	-0.6802	0.43233
3	599.21	599.9	600.91	0.60289	597.85	598.55	599.62	0.56154	-1.7665	-1.3448	-0.816	0.29131
10	599.14	599.66	600.5	0.40511	597.85	598.48	599.07	0.34469	-1.6299	-1.1817	-0.8151	0.27205
30	599.28	599.9	600.7	0.54042	597.85	598.65	599.75	0.59084	-1.6301	-1.2566	-0.8149	0.32357
50	599.14	600.17	601.11	0.59947	598.19	598.86	599.62	0.51829	-1.834	-1.3043	-0.9505	0.3183
100	598.73	599.91	601.04	0.66639	597.85	598.68	600.02	0.5958	-2.377	-1.2295	-0.5435	0.5484

Device Test: 13.24; VTH_SENSE





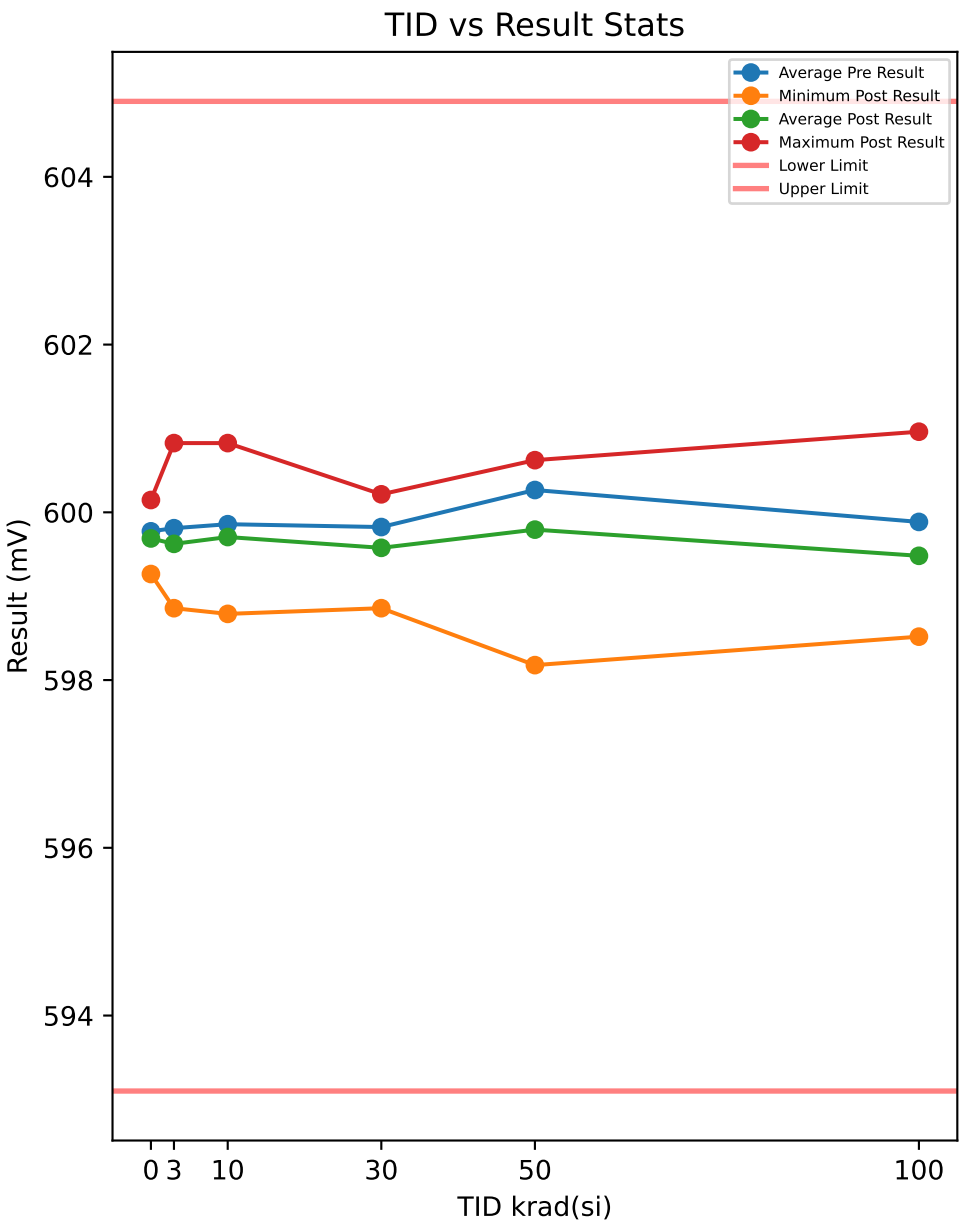
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

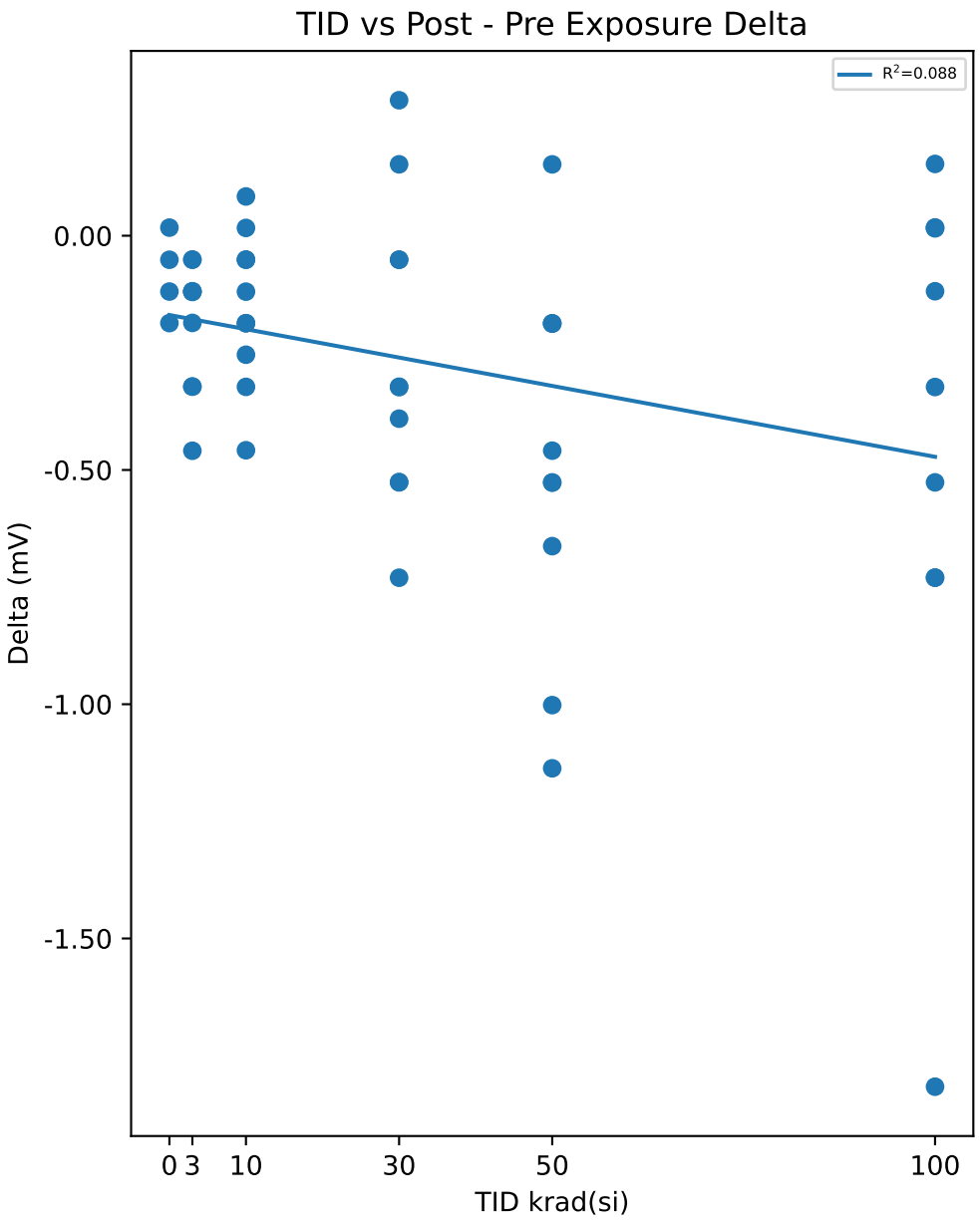
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	601.18	601.92	0.7444
3	3	Biased	600.36	601.38	1.0165
4	3	Biased	601.52	602.6	1.0834
5	3	Biased	601.04	602.74	1.6946
6	3	Biased	600.64	601.99	1.3557
7	3	Unbiased	599.89	601.31	1.4242
8	3	Unbiased	599.75	601.18	1.4244
9	3	Unbiased	599.96	601.45	1.4921
10	3	Unbiased	600.57	601.79	1.2199
11	3	Unbiased	600.23	601.65	1.4239
12	10	Unbiased	600.3	602.26	1.9668
13	10	Unbiased	600.16	601.52	1.356
14	10	Unbiased	600.77	601.45	0.6769
15	10	Unbiased	600.84	602.13	1.2877
16	10	Unbiased	599.55	600.84	1.2888
17	10	Biased	599.75	600.63	0.8815
18	10	Biased	600.36	601.45	1.0844
19	10	Biased	601.18	602.33	1.1516
20	10	Biased	600.43	601.72	1.288
21	10	Biased	600.3	601.18	0.8809
22	30	Biased	600.84	601.38	0.5411
23	30	Biased	600.43	601.31	0.8807
24	30	Biased	600.7	601.04	0.3375
25	30	Biased	601.11	603.15	2.0339
26	30	Biased	600.23	601.72	1.4918
27	30	Unbiased	599.96	601.31	1.3563
28	30	Unbiased	601.32	602.67	1.355
29	30	Unbiased	600.02	601.45	1.4241
30	30	Unbiased	600.7	601.86	1.152
31	30	Unbiased	600.09	601.04	0.9489
32	50	Biased	600.57	601.11	0.5412
33	50	Biased	600.36	600.97	0.6093
34	50	Biased	601.32	602.47	1.1514
35	50	Biased	599.75	601.31	1.5601
36	50	Biased	600.84	601.58	0.7447
37	50	Unbiased	601.11	601.31	0.2014
39	50	Unbiased	601.52	602.53	1.0156
40	50	Unbiased	600.57	602.33	1.7629
41	50	Unbiased	600.57	601.25	0.6769
42	50	Unbiased	601.59	602.74	1.1511
43	100	Biased	599.01	601.58	2.5788
44	100	Biased	600.7	602.06	1.3556
45	100	Biased	600.16	602.06	1.899
46	100	Biased	600.98	601.18	0.2016
47	100	Biased	600.5	601.92	1.4237
48	100	Unbiased	601.18	601.79	0.6086
49	100	Unbiased	600.84	602.26	1.4234
50	100	Unbiased	601.72	603.76	2.0334
51	100	Unbiased	600.36	601.58	1.2201
52	100	Unbiased	600.16	601.25	1.0845
53	0	Correlation	600.57	602.13	1.5593
54	0	Correlation	600.77	602.06	1.2877
55	0	Correlation	600.98	602.53	1.559
56	0	Correlation	599.96	601.11	1.1527

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	599.96	600.57	600.98	0.44026	601.11	601.96	602.53	0.60326	1.1527	1.3897	1.5593	0.20331
3	599.75	600.51	601.52	0.5903	601.18	601.8	602.74	0.52937	0.7444	1.2879	1.6946	0.27546
10	599.55	600.36	601.18	0.4888	600.63	601.55	602.33	0.5761	0.6769	1.1863	1.9668	0.35377
30	599.96	600.54	601.32	0.46978	601.04	601.69	603.15	0.69818	0.3375	1.1521	2.0339	0.4946
50	599.75	600.82	601.59	0.57199	600.97	601.76	602.74	0.67658	0.2014	0.94146	1.7629	0.4805
100	599.01	600.56	601.72	0.72913	601.18	601.94	603.76	0.7282	0.2016	1.3829	2.5788	0.68591

Device Test: 13.25; VTH_SENSE





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

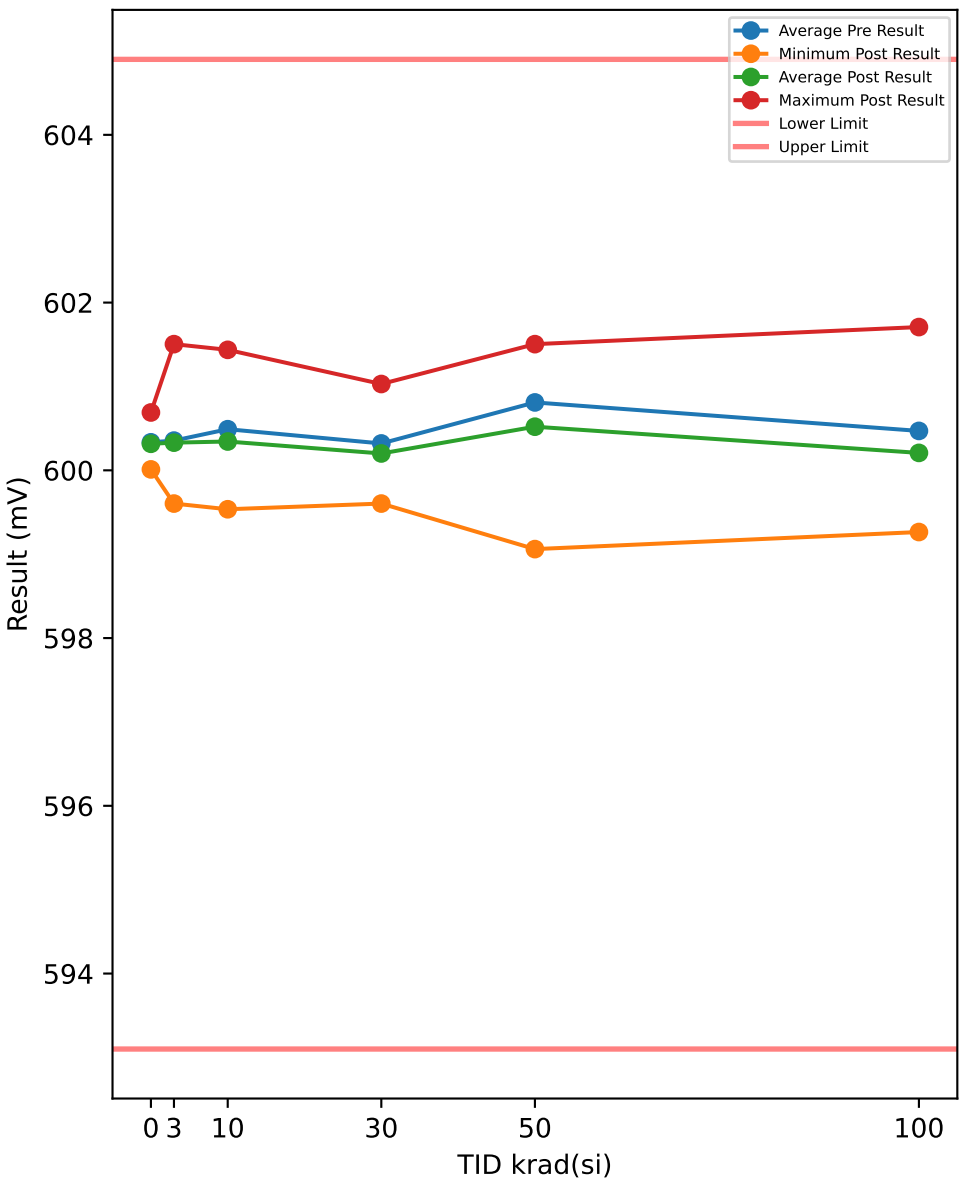
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.61	600.15	-0.459
3	3	Biased	599.18	598.86	-0.322
4	3	Biased	600.95	600.83	-0.12
5	3	Biased	600.33	600.21	-0.1193
6	3	Biased	599.93	599.88	-0.0512
7	3	Unbiased	599.52	599.47	-0.0508
8	3	Unbiased	599.04	598.86	-0.1861
9	3	Unbiased	599.31	599.2	-0.1185
10	3	Unbiased	600.06	599.94	-0.1192
11	3	Unbiased	599.18	598.86	-0.322
12	10	Unbiased	600.06	600.08	0.0166
13	10	Unbiased	599.59	599.4	-0.1867
14	10	Unbiased	600.06	600.01	-0.0513
15	10	Unbiased	600.4	600.28	-0.1194
16	10	Unbiased	599.04	598.79	-0.254
17	10	Biased	599.38	598.92	-0.4579
18	10	Biased	599.59	599.54	-0.0509
19	10	Biased	600.74	600.83	0.0838
20	10	Biased	599.86	599.67	-0.1868
21	10	Biased	599.86	599.54	-0.3226
22	30	Biased	599.38	598.86	-0.5258
23	30	Biased	599.86	599.47	-0.3905
24	30	Biased	599.93	599.2	-0.73
25	30	Biased	599.93	599.88	-0.0512
26	30	Biased	599.99	599.94	-0.0512
27	30	Unbiased	599.45	599.13	-0.3223
28	30	Unbiased	600.54	600.21	-0.3231
29	30	Unbiased	600.06	600.21	0.1524
30	30	Unbiased	600.2	599.67	-0.5265
31	30	Unbiased	598.91	599.2	0.2892
32	50	Biased	600.33	599.88	-0.4588
33	50	Biased	600.33	599.81	-0.5267
34	50	Biased	600.2	600.01	-0.1871
35	50	Biased	599.93	599.74	-0.187
36	50	Biased	600.4	599.4	-1.0019
37	50	Unbiased	599.31	598.18	-1.1368
39	50	Unbiased	600.54	599.88	-0.6626
40	50	Unbiased	600.13	600.28	0.1523
41	50	Unbiased	600.67	600.15	-0.5269
42	50	Unbiased	600.81	600.62	-0.1877
43	100	Biased	599.31	599.2	-0.1185
44	100	Biased	599.72	598.99	-0.7297
45	100	Biased	598.84	598.86	0.0177
46	100	Biased	600.33	598.52	-1.8164
47	100	Biased	600.13	599.6	-0.5265
48	100	Unbiased	599.99	599.26	-0.73
49	100	Unbiased	600.27	600.28	0.0165
50	100	Unbiased	600.95	600.96	0.0158
51	100	Unbiased	599.18	599.33	0.1532
52	100	Unbiased	600.13	599.81	-0.3229
53	0	Correlation	599.45	599.26	-0.1865
54	0	Correlation	600.06	600.01	-0.0513
55	0	Correlation	600.27	600.15	-0.1192
56	0	Correlation	599.31	599.33	0.0173

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	599.31	599.77	600.27	0.46203	599.26	599.69	600.15	0.45495	-0.1865	-0.084925	0.0173	0.087698
3	599.04	599.81	600.95	0.66574	598.86	599.62	600.83	0.68336	-0.459	-0.18681	-0.0508	0.13572
10	599.04	599.86	600.74	0.49411	598.79	599.71	600.83	0.61656	-0.4579	-0.15292	0.0838	0.16362
30	598.91	599.82	600.54	0.4633	598.86	599.58	600.21	0.47916	-0.73	-0.2479	0.2892	0.32402
50	599.31	600.27	600.81	0.42246	598.18	599.79	600.62	0.65645	-1.1368	-0.47232	0.1523	0.39416
100	598.84	599.89	600.95	0.62778	598.52	599.48	600.96	0.71966	-1.8164	-0.40408	0.1532	0.59177

Device Test: 13.26; VTH_SENSE

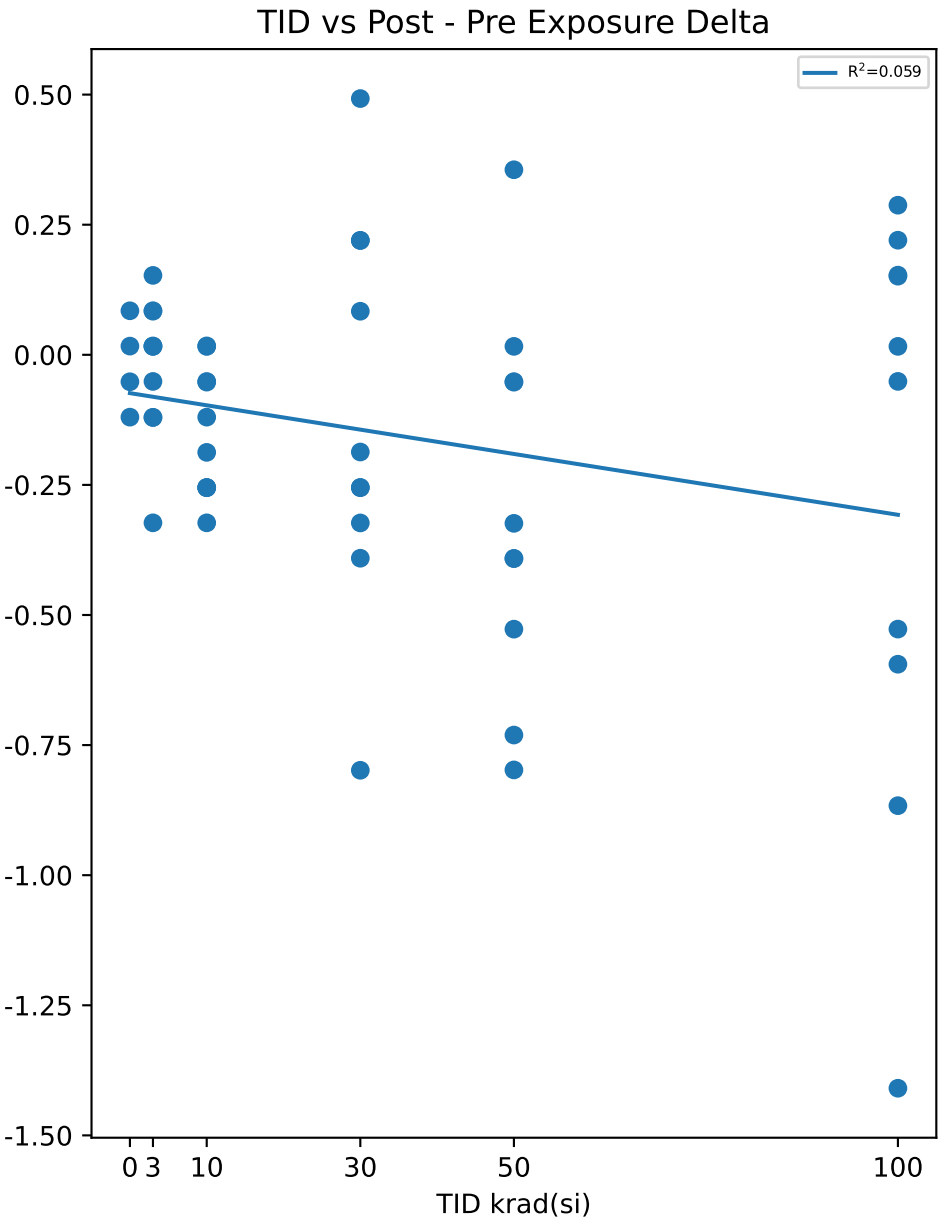
TID vs Result Stats



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

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	601.08	600.96	-0.1201
3	3	Biased	600.06	599.74	-0.3229
4	3	Biased	601.62	601.5	-0.1205
5	3	Biased	600.74	600.83	0.0838
6	3	Biased	600.54	600.55	0.0162
7	3	Unbiased	599.79	599.88	0.0847
8	3	Unbiased	599.59	599.6	0.017
9	3	Unbiased	599.79	599.94	0.1526
10	3	Unbiased	600.4	600.42	0.0164
11	3	Unbiased	599.93	599.88	-0.0512
12	10	Unbiased	600.61	600.62	0.0161
13	10	Unbiased	600.27	600.01	-0.255
14	10	Unbiased	600.67	600.49	-0.1875
15	10	Unbiased	600.88	600.76	-0.1198
16	10	Unbiased	599.52	599.54	0.0171
17	10	Biased	600.2	599.88	-0.3229
18	10	Biased	600.2	600.15	-0.0513
19	10	Biased	601.49	601.44	-0.0525
20	10	Biased	600.61	600.35	-0.2554
21	10	Biased	600.47	600.21	-0.2552
22	30	Biased	599.99	599.74	-0.2549
23	30	Biased	600.4	600.01	-0.3909
24	30	Biased	600.54	599.74	-0.7984
25	30	Biased	600.47	600.69	0.2199
26	30	Biased	600.61	600.35	-0.2554
27	30	Unbiased	599.79	599.6	-0.1868
28	30	Unbiased	600.95	601.03	0.0837
29	30	Unbiased	600.61	600.83	0.2197
30	30	Unbiased	600.54	600.21	-0.3231
31	30	Unbiased	599.31	599.81	0.4924
32	50	Biased	600.88	600.49	-0.3913
33	50	Biased	600.95	600.42	-0.5272
34	50	Biased	600.54	600.55	0.0162
35	50	Biased	600.54	600.49	-0.0516
36	50	Biased	600.88	600.15	-0.7307
37	50	Unbiased	599.86	599.06	-0.7977
39	50	Unbiased	601.15	600.76	-0.3916
40	50	Unbiased	600.54	600.89	0.3556
41	50	Unbiased	601.22	600.89	-0.3239
42	50	Unbiased	601.56	601.5	-0.0526
43	100	Biased	599.86	599.81	-0.0511
44	100	Biased	600.4	599.81	-0.5946
45	100	Biased	599.25	599.4	0.1531
46	100	Biased	600.67	599.26	-1.4094
47	100	Biased	600.81	600.28	-0.5271
48	100	Unbiased	600.67	599.81	-0.8664
49	100	Unbiased	600.81	601.1	0.2875
50	100	Unbiased	601.56	601.71	0.1511
51	100	Unbiased	600.13	600.35	0.2202
52	100	Unbiased	600.54	600.55	0.0162
53	0	Correlation	599.93	600.01	0.0846
54	0	Correlation	600.61	600.55	-0.0518
55	0	Correlation	600.81	600.69	-0.1198
56	0	Correlation	599.99	600.01	0.0167

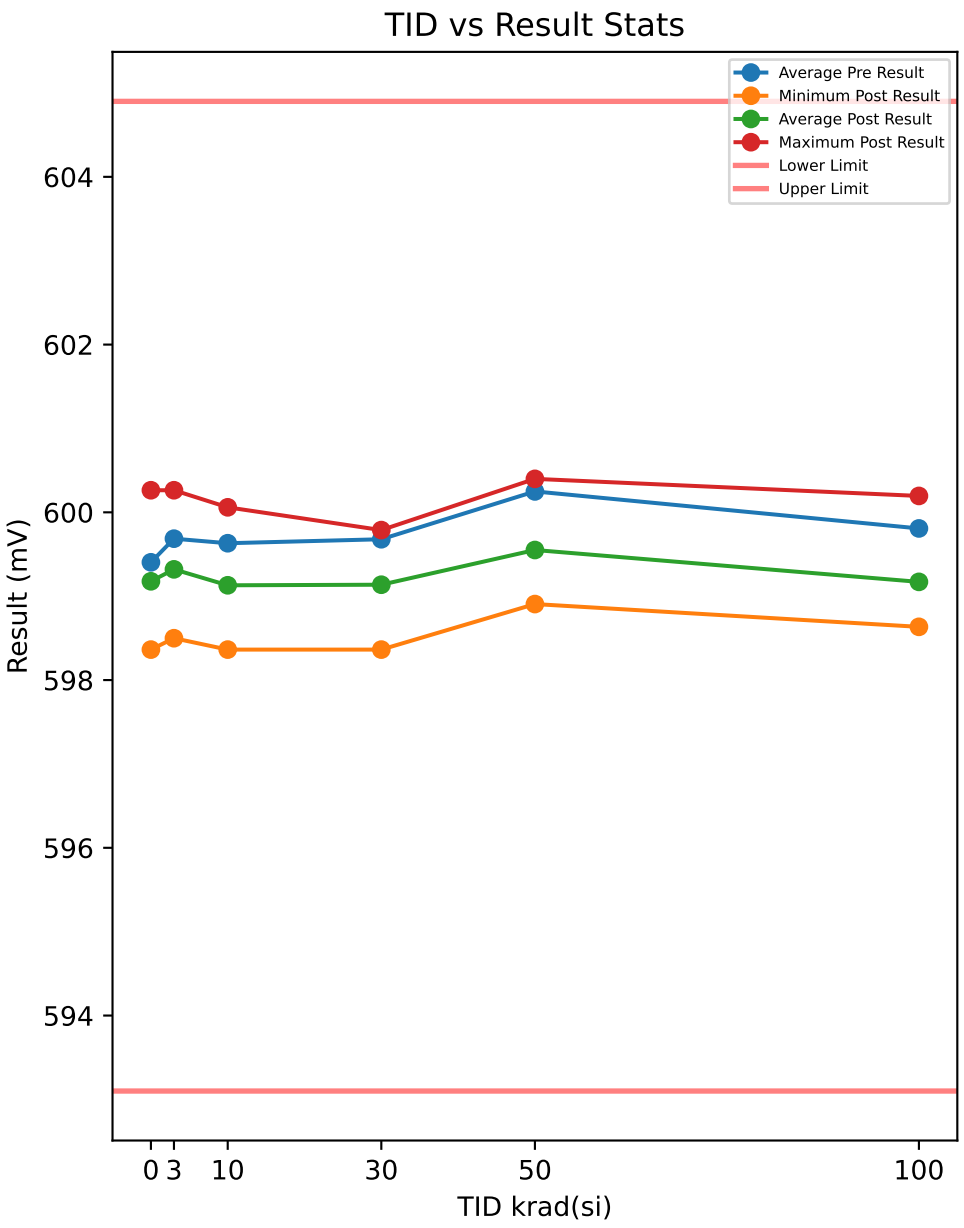
TID vs Post - Pre Exposure Delta

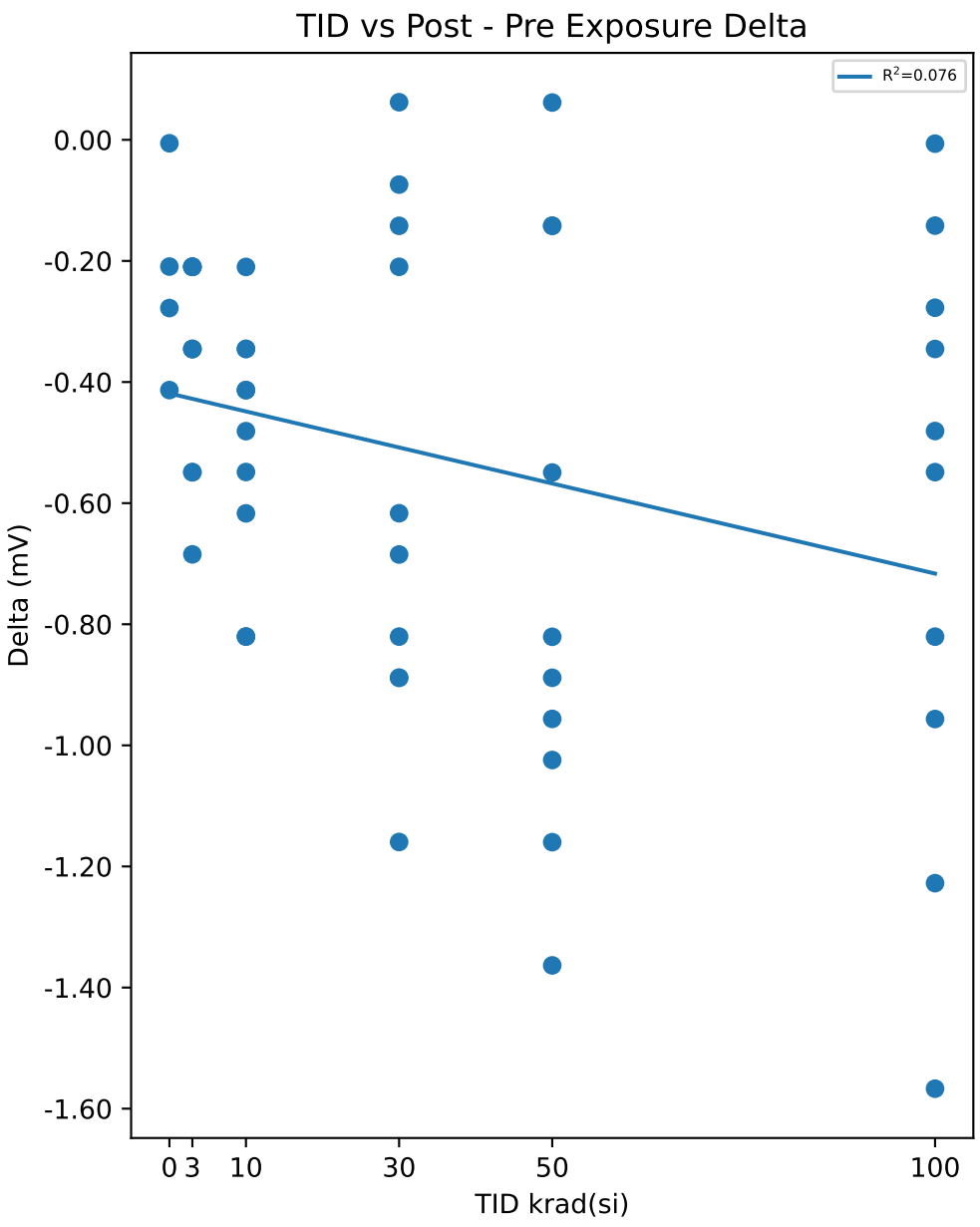


Test Statistics (mV)

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	599.93	600.33	600.81	0.4403	600.01	600.32	600.69	0.35703	-0.1198	-0.017575	0.0846	0.088007
3	599.59	600.35	601.62	0.6517	599.6	600.33	601.5	0.62547	-0.3229	-0.0244	0.1526	0.1367
10	599.52	600.49	601.49	0.5135	599.54	600.34	601.44	0.52722	-0.3229	-0.14664	0.0171	0.12475
30	599.31	600.32	600.95	0.4802	599.6	600.2	601.03	0.50677	-0.7984	-0.11938	0.4924	0.37466
50	599.86	600.81	601.56	0.47073	599.06	600.52	601.5	0.63131	-0.7977	-0.28948	0.3556	0.35804
100	599.25	600.47	601.56	0.62271	599.26	600.21	601.71	0.76095	-1.4094	-0.26205	0.2875	0.56392

Device Test: 13.27; VTH_SENSE





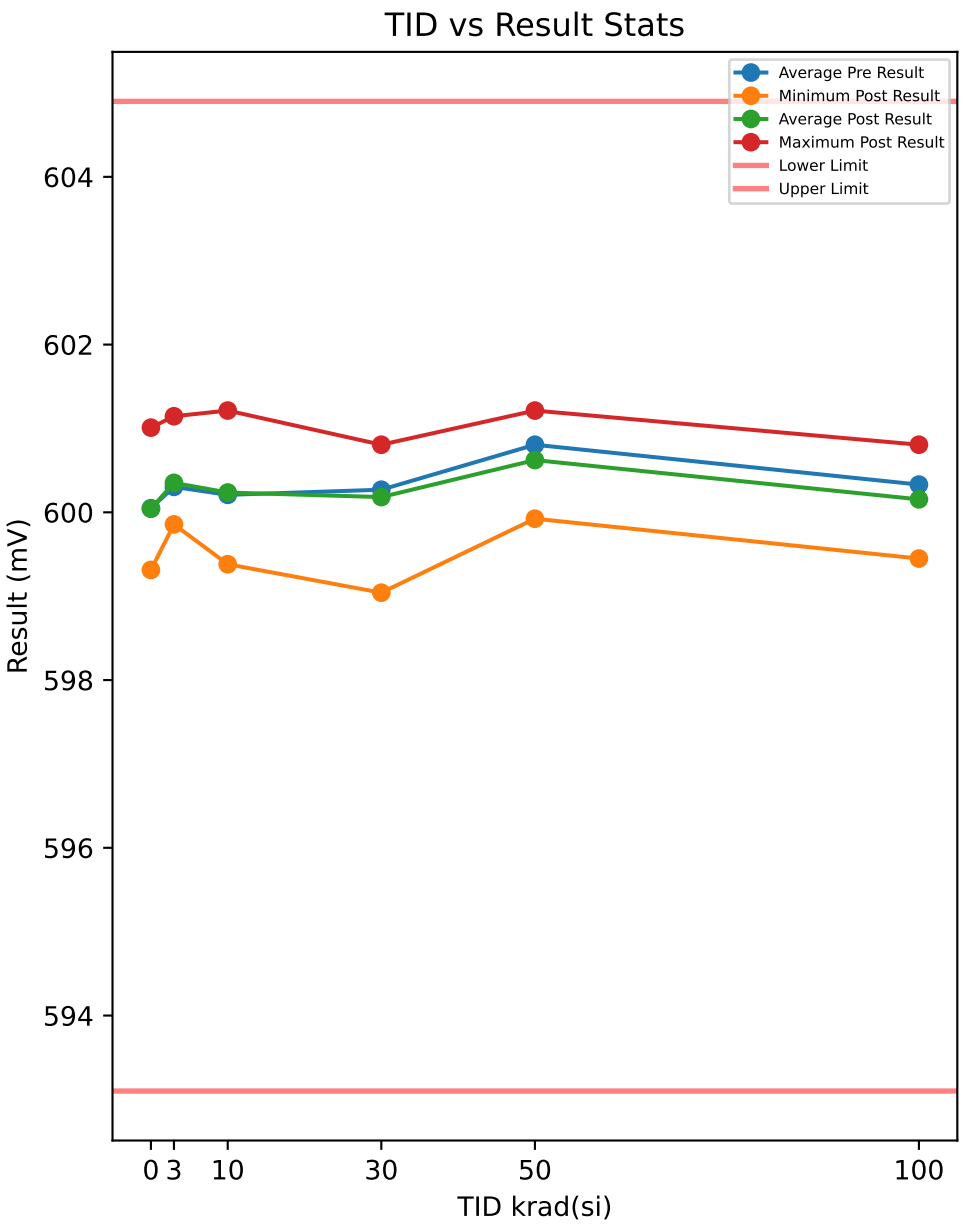
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

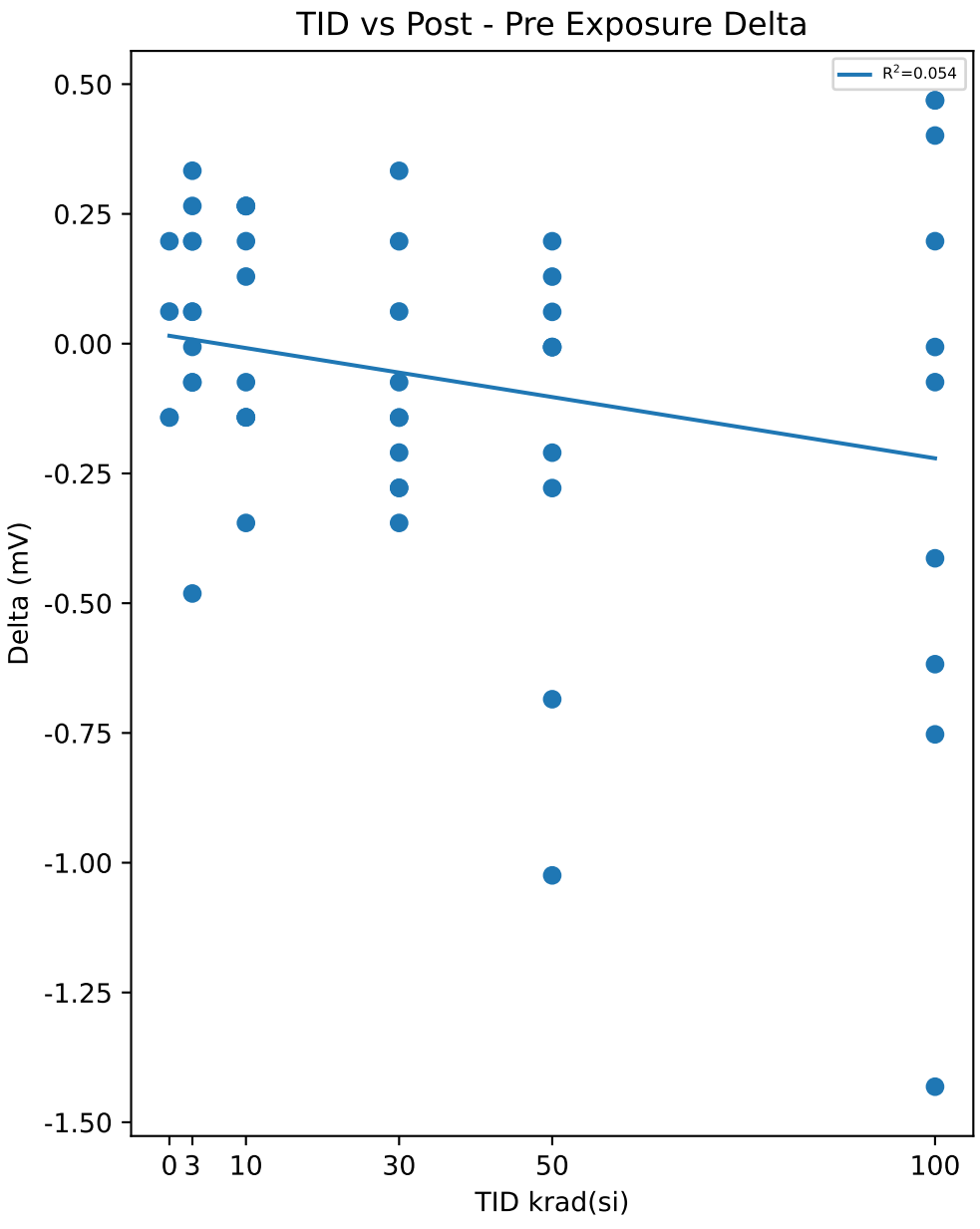
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600	599.45	-0.5491
3	3	Biased	599.32	598.97	-0.3453
4	3	Biased	600.61	600.26	-0.3457
5	3	Biased	600.07	599.86	-0.2098
6	3	Biased	600.34	600.13	-0.2098
7	3	Unbiased	599.32	598.97	-0.3453
8	3	Unbiased	599.39	598.7	-0.6846
9	3	Unbiased	599.05	598.84	-0.2094
10	3	Unbiased	599.73	599.52	-0.2097
11	3	Unbiased	599.05	598.5	-0.5487
12	10	Unbiased	599.46	599.11	-0.3453
13	10	Unbiased	599.32	598.97	-0.3453
14	10	Unbiased	599.86	599.45	-0.4133
15	10	Unbiased	600.13	599.72	-0.4134
16	10	Unbiased	598.91	598.36	-0.5486
17	10	Biased	599.32	598.5	-0.8203
18	10	Biased	599.59	599.11	-0.4811
19	10	Biased	600.27	600.06	-0.2099
20	10	Biased	599.59	598.77	-0.8204
21	10	Biased	599.86	599.25	-0.6169
22	30	Biased	599.59	598.77	-0.8204
23	30	Biased	599.86	598.97	-0.8883
24	30	Biased	599.52	598.36	-1.1596
25	30	Biased	599.93	599.79	-0.142
26	30	Biased	599.86	599.65	-0.2097
27	30	Unbiased	599.18	598.57	-0.6167
28	30	Unbiased	600.34	599.65	-0.6848
29	30	Unbiased	599.52	599.45	-0.0739
30	30	Unbiased	600.41	599.52	-0.8884
31	30	Unbiased	598.57	598.63	0.0621
32	50	Biased	600.81	599.99	-0.8207
33	50	Biased	600.27	598.91	-1.3634
34	50	Biased	600.07	599.18	-0.8884
35	50	Biased	599.52	599.38	-0.1418
36	50	Biased	600.41	599.45	-0.9563
37	50	Unbiased	600.27	599.11	-1.1599
39	50	Unbiased	600.95	600.4	-0.5494
40	50	Unbiased	599.73	599.79	0.0616
41	50	Unbiased	600.2	599.18	-1.0242
42	50	Unbiased	600.27	600.13	-0.142
43	100	Biased	599.12	598.84	-0.2773
44	100	Biased	599.86	598.63	-1.2276
45	100	Biased	599.39	598.91	-0.4809
46	100	Biased	600.2	598.63	-1.567
47	100	Biased	599.93	599.11	-0.8205
48	100	Unbiased	600.74	599.79	-0.9565
49	100	Unbiased	599.86	599.52	-0.3454
50	100	Unbiased	600.2	600.2	-0.0063
51	100	Unbiased	599.39	599.25	-0.1417
52	100	Unbiased	599.39	598.84	-0.5488
53	0	Correlation	598.64	598.63	-0.0057
54	0	Correlation	599.86	599.45	-0.4133
55	0	Correlation	600.54	600.26	-0.2778
56	0	Correlation	598.57	598.36	-0.2093

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	598.57	599.4	600.54	0.96218	598.36	599.18	600.26	0.85834	-0.4133	-0.22653	-0.0057	0.16988
3	599.05	599.69	600.61	0.54699	598.5	599.32	600.26	0.61569	-0.6846	-0.36574	-0.2094	0.17238
10	598.91	599.63	600.27	0.41005	598.36	599.13	600.06	0.52371	-0.8204	-0.50145	-0.2099	0.20239
30	598.57	599.68	600.41	0.53929	598.36	599.14	599.79	0.53066	-1.1596	-0.54217	0.0621	0.4189
50	599.52	600.25	600.95	0.43055	598.91	599.55	600.4	0.49789	-1.3634	-0.69845	0.0616	0.48283
100	599.12	599.81	600.74	0.49656	598.63	599.17	600.2	0.51919	-1.567	-0.6372	-0.0063	0.49879

Device Test: 13.28; VTH_SENSE





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

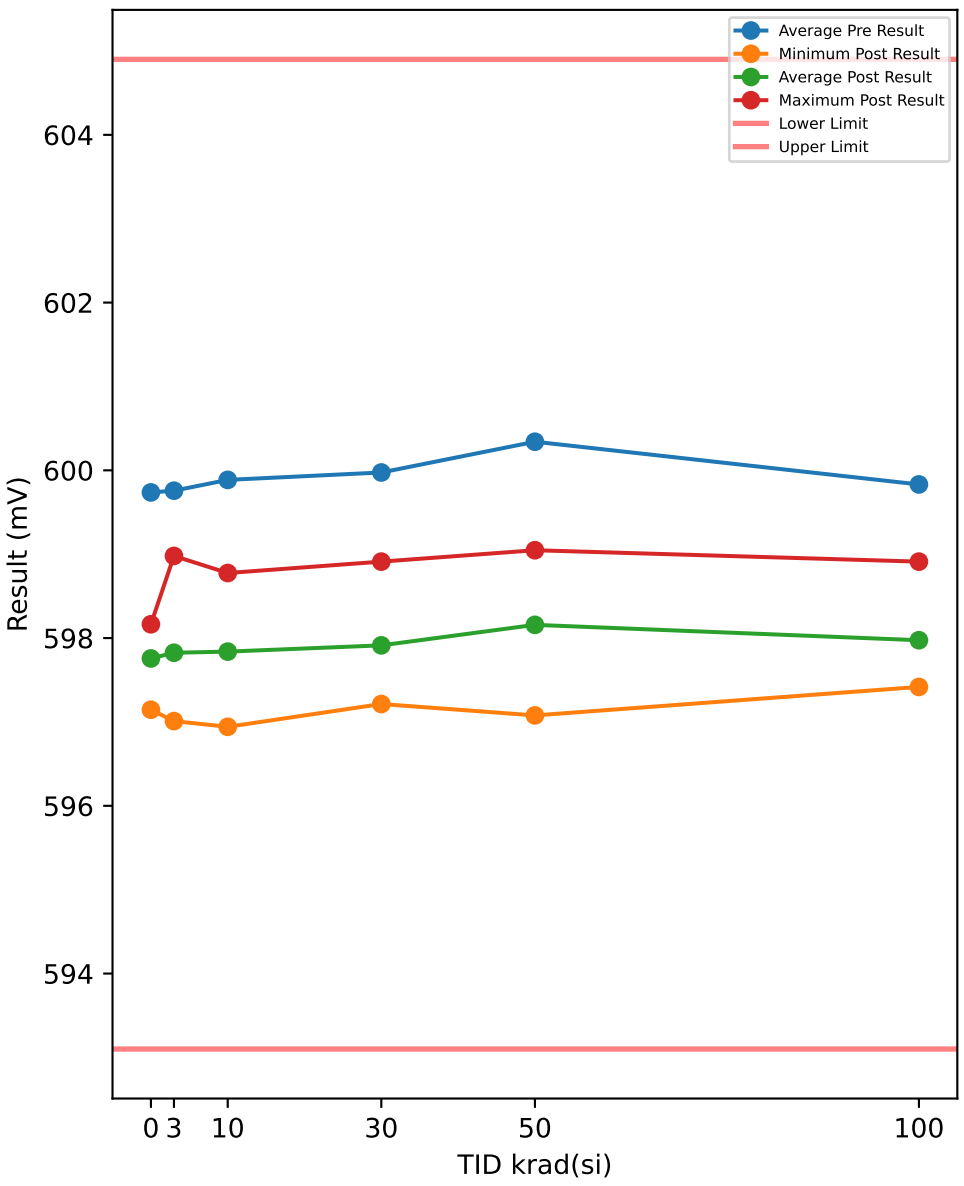
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.47	599.99	-0.4813
3	3	Biased	600	599.99	-0.0062
4	3	Biased	601.22	601.15	-0.0745
5	3	Biased	600.95	600.87	-0.0744
6	3	Biased	600.88	601.08	0.1971
7	3	Unbiased	599.93	599.99	0.0617
8	3	Unbiased	600	600.2	0.1973
9	3	Unbiased	599.59	599.86	0.2653
10	3	Unbiased	600.47	600.53	0.0615
11	3	Unbiased	599.52	599.86	0.3332
12	10	Unbiased	599.86	600.13	0.2653
13	10	Unbiased	600.07	600.26	0.1974
14	10	Unbiased	600.54	600.67	0.1293
15	10	Unbiased	600.74	600.6	-0.1421
16	10	Unbiased	599.52	599.38	-0.1418
17	10	Biased	599.86	599.52	-0.3454
18	10	Biased	600.13	600.4	0.2652
19	10	Biased	600.95	601.21	0.2649
20	10	Biased	600.13	599.99	-0.1419
21	10	Biased	600.27	600.2	-0.0742
22	30	Biased	600.13	599.86	-0.2777
23	30	Biased	600.41	600.33	-0.0742
24	30	Biased	600.2	599.99	-0.2098
25	30	Biased	600.27	600.47	0.1972
26	30	Biased	600.95	600.81	-0.1423
27	30	Unbiased	599.86	599.52	-0.3454
28	30	Unbiased	600.95	600.67	-0.278
29	30	Unbiased	600	600.33	0.333
30	30	Unbiased	600.95	600.81	-0.1423
31	30	Unbiased	598.98	599.04	0.062
32	50	Biased	601.22	601.21	-0.0066
33	50	Biased	600.74	600.06	-0.685
34	50	Biased	600.61	600.4	-0.21
35	50	Biased	600.2	600.2	-0.0063
36	50	Biased	600.81	600.94	0.1292
37	50	Unbiased	600.95	599.92	-1.0244
39	50	Unbiased	601.49	601.21	-0.2782
40	50	Unbiased	600.2	600.4	0.1973
41	50	Unbiased	600.88	600.94	0.0613
42	50	Unbiased	600.95	600.94	-0.0066
43	100	Biased	599.52	599.99	0.469
44	100	Biased	600.41	599.65	-0.7527
45	100	Biased	599.86	600.26	0.401
46	100	Biased	600.88	599.45	-1.4315
47	100	Biased	600.27	599.86	-0.4135
48	100	Unbiased	601.42	600.81	-0.6175
49	100	Unbiased	600.27	600.74	0.4687
50	100	Unbiased	600.74	600.74	-0.0064
51	100	Unbiased	600.07	600.26	0.1974
52	100	Unbiased	599.86	599.79	-0.0741
53	0	Correlation	599.25	599.31	0.0619
54	0	Correlation	600.34	600.53	0.1973
55	0	Correlation	601.15	601.01	-0.1424
56	0	Correlation	599.46	599.31	-0.1417

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	599.25	600.05	601.15	0.8735	599.31	600.04	601.01	0.86433	-0.1424	-0.006225	0.1973	0.16629
3	599.52	600.3	601.22	0.58589	599.86	600.35	601.15	0.51286	-0.4813	0.04797	0.3332	0.23251
10	599.52	600.21	600.95	0.43341	599.38	600.24	601.21	0.54021	-0.3454	0.02767	0.2653	0.22215
30	598.98	600.27	600.95	0.608	599.04	600.18	600.81	0.58003	-0.3454	-0.08775	0.333	0.22119
50	600.2	600.81	601.49	0.40281	599.92	600.62	601.21	0.482	-1.0244	-0.18293	0.1973	0.38944
100	599.52	600.33	601.42	0.562	599.45	600.15	600.81	0.48639	-1.4315	-0.17596	0.469	0.62391

Device Test: 13.29; VTH_SENSE

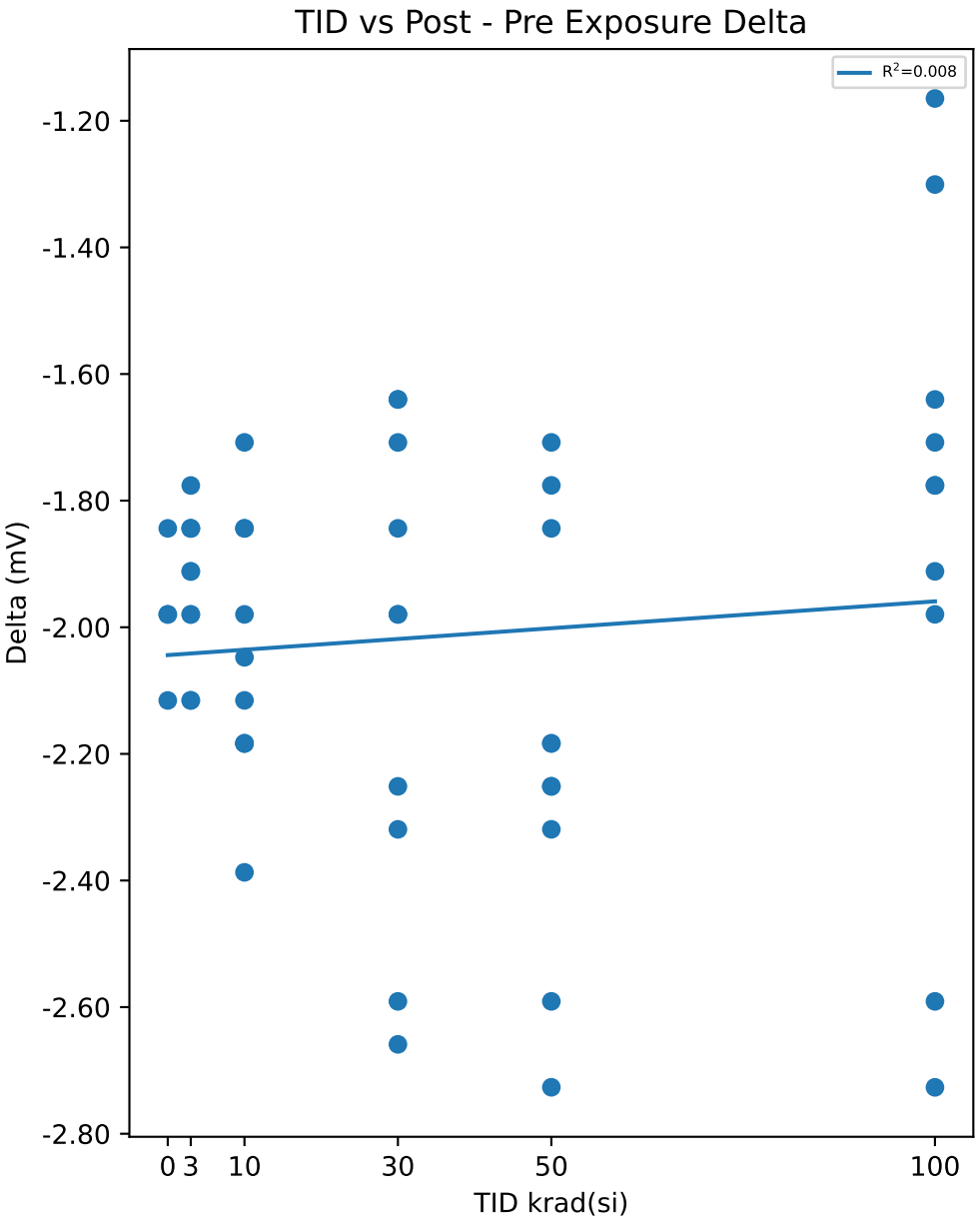
TID vs Result Stats



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

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.69	598.57	-2.1155
3	3	Biased	599.47	597.49	-1.9797
4	3	Biased	600.82	598.98	-1.8437
5	3	Biased	600.14	598.03	-2.1155
6	3	Biased	600.01	598.1	-1.9117
7	3	Unbiased	599.87	598.03	-1.8438
8	3	Unbiased	599.13	597.21	-1.9119
9	3	Unbiased	598.92	597.15	-1.7761
10	3	Unbiased	599.53	597.69	-1.8439
11	3	Unbiased	598.99	597.01	-1.9798
12	10	Unbiased	599.8	597.69	-2.1155
13	10	Unbiased	600.01	597.96	-2.0475
14	10	Unbiased	600.01	598.16	-1.8438
15	10	Unbiased	600.42	598.03	-2.3871
16	10	Unbiased	599.13	596.94	-2.1835
17	10	Biased	599.8	597.62	-2.1834
18	10	Biased	599.6	597.62	-1.9797
19	10	Biased	600.48	598.78	-1.708
20	10	Biased	599.87	597.69	-2.1834
21	10	Biased	599.74	597.89	-1.8438
22	30	Biased	599.8	597.82	-1.9797
23	30	Biased	600.01	597.69	-2.3192
24	30	Biased	600.35	597.69	-2.6588
25	30	Biased	600.55	598.91	-1.6401
26	30	Biased	600.08	598.23	-1.8438
27	30	Unbiased	599.6	597.35	-2.2513
28	30	Unbiased	600.08	598.1	-1.9796
29	30	Unbiased	600.21	598.57	-1.6402
30	30	Unbiased	599.8	597.21	-2.5909
31	30	Unbiased	599.26	597.55	-1.7081
32	50	Biased	601.09	598.84	-2.2512
33	50	Biased	600.48	598.16	-2.3192
34	50	Biased	600.89	599.05	-1.8438
35	50	Biased	600.01	598.23	-1.7759
36	50	Biased	599.67	597.08	-2.5909
37	50	Unbiased	600.69	597.96	-2.7266
39	50	Unbiased	600.08	597.82	-2.2513
40	50	Unbiased	599.8	598.1	-1.708
41	50	Unbiased	600.35	598.16	-2.1834
42	50	Unbiased	600.35	598.16	-2.1834
43	100	Biased	598.85	597.55	-1.3007
44	100	Biased	599.8	597.89	-1.9117
45	100	Biased	599.26	598.1	-1.1648
46	100	Biased	600.14	597.42	-2.7267
47	100	Biased	599.87	598.1	-1.7759
48	100	Unbiased	600.42	597.82	-2.5909
49	100	Unbiased	600.21	598.44	-1.7759
50	100	Unbiased	600.89	598.91	-1.9796
51	100	Unbiased	599.26	597.62	-1.6402
52	100	Unbiased	599.6	597.89	-1.708
53	0	Correlation	599.74	597.76	-1.9797
54	0	Correlation	599.94	597.96	-1.9797
55	0	Correlation	600.01	598.16	-1.8438
56	0	Correlation	599.26	597.15	-2.1156

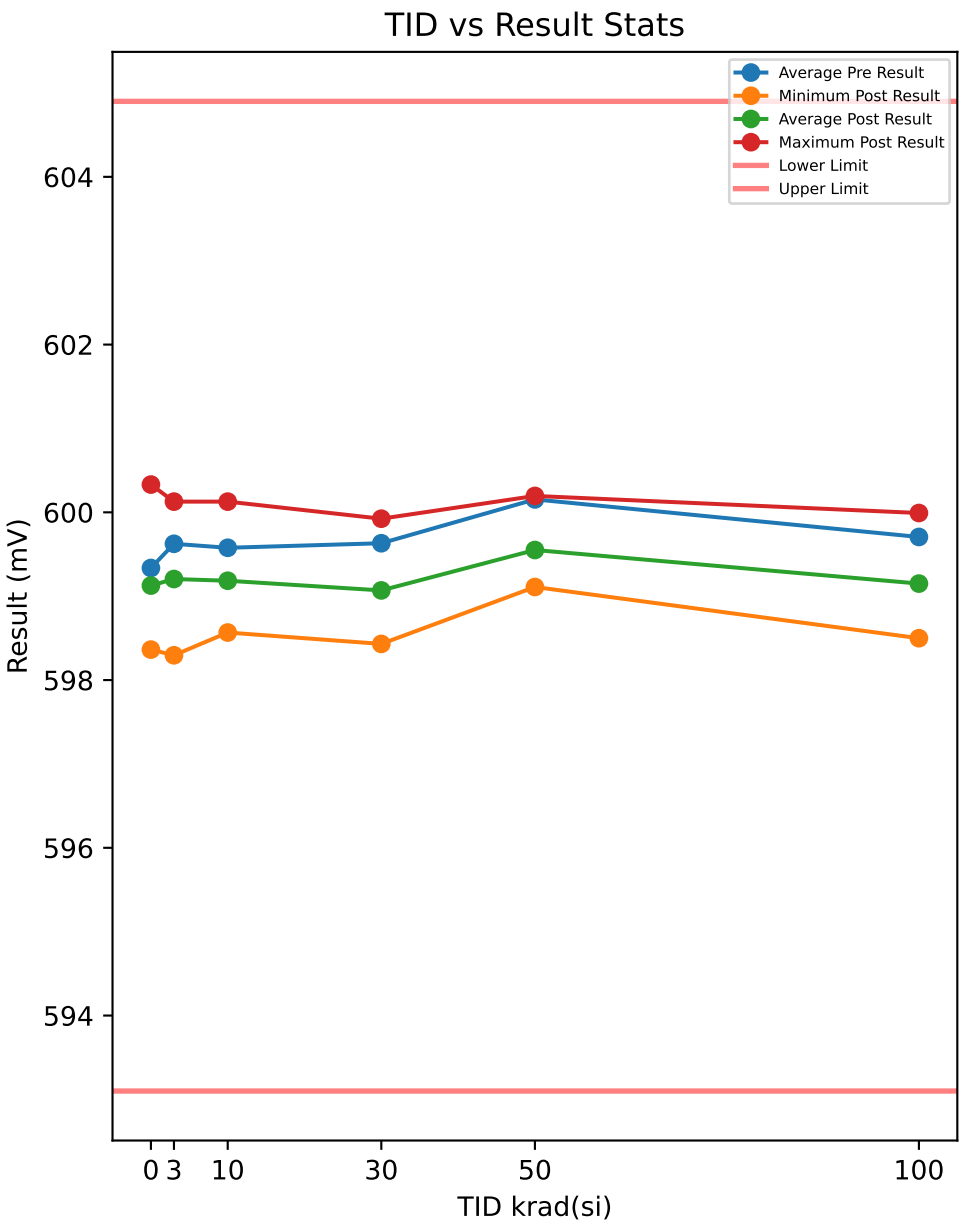
TID vs Post - Pre Exposure Delta

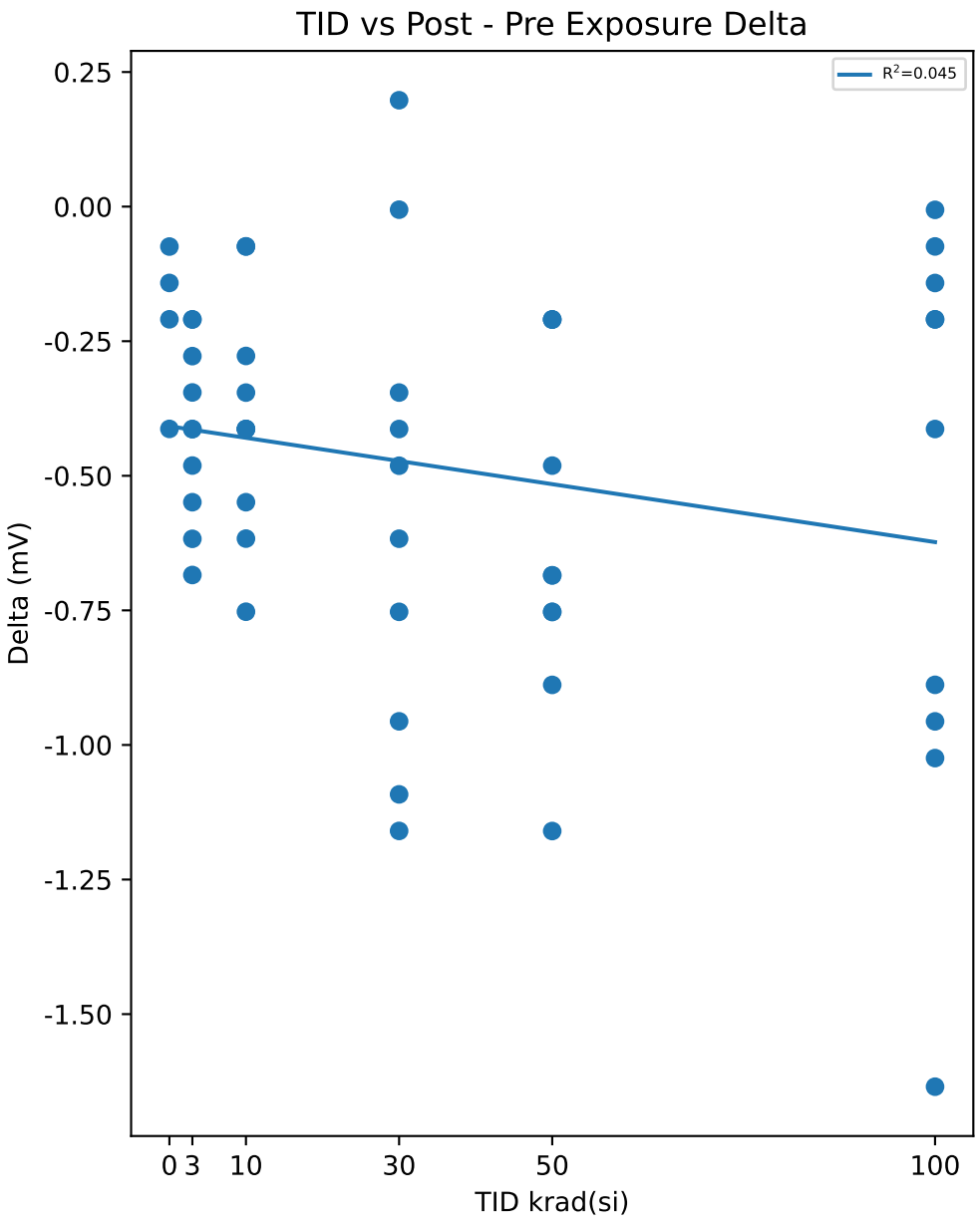


Test Statistics (mV)

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	599.26	599.74	600.01	0.33725	597.15	597.76	598.16	0.44013	-2.1156	-1.9797	-1.8438	0.11096
3	598.92	599.76	600.82	0.67073	597.01	597.82	598.98	0.63949	-2.1155	-1.9322	-1.7761	0.11564
10	599.13	599.89	600.48	0.38917	596.94	597.84	598.78	0.4692	-2.3871	-2.0476	-1.708	0.205
30	599.26	599.97	600.55	0.37366	597.21	597.91	598.91	0.53859	-2.6588	-2.0612	-1.6401	0.37716
50	599.67	600.34	601.09	0.46328	597.08	598.16	599.05	0.53612	-2.7266	-2.1834	-1.708	0.33269
100	598.85	599.83	600.89	0.61173	597.42	597.97	598.91	0.44336	-2.7267	-1.8574	-1.1648	0.49261

Device Test: 13.3; VTH_SENSE





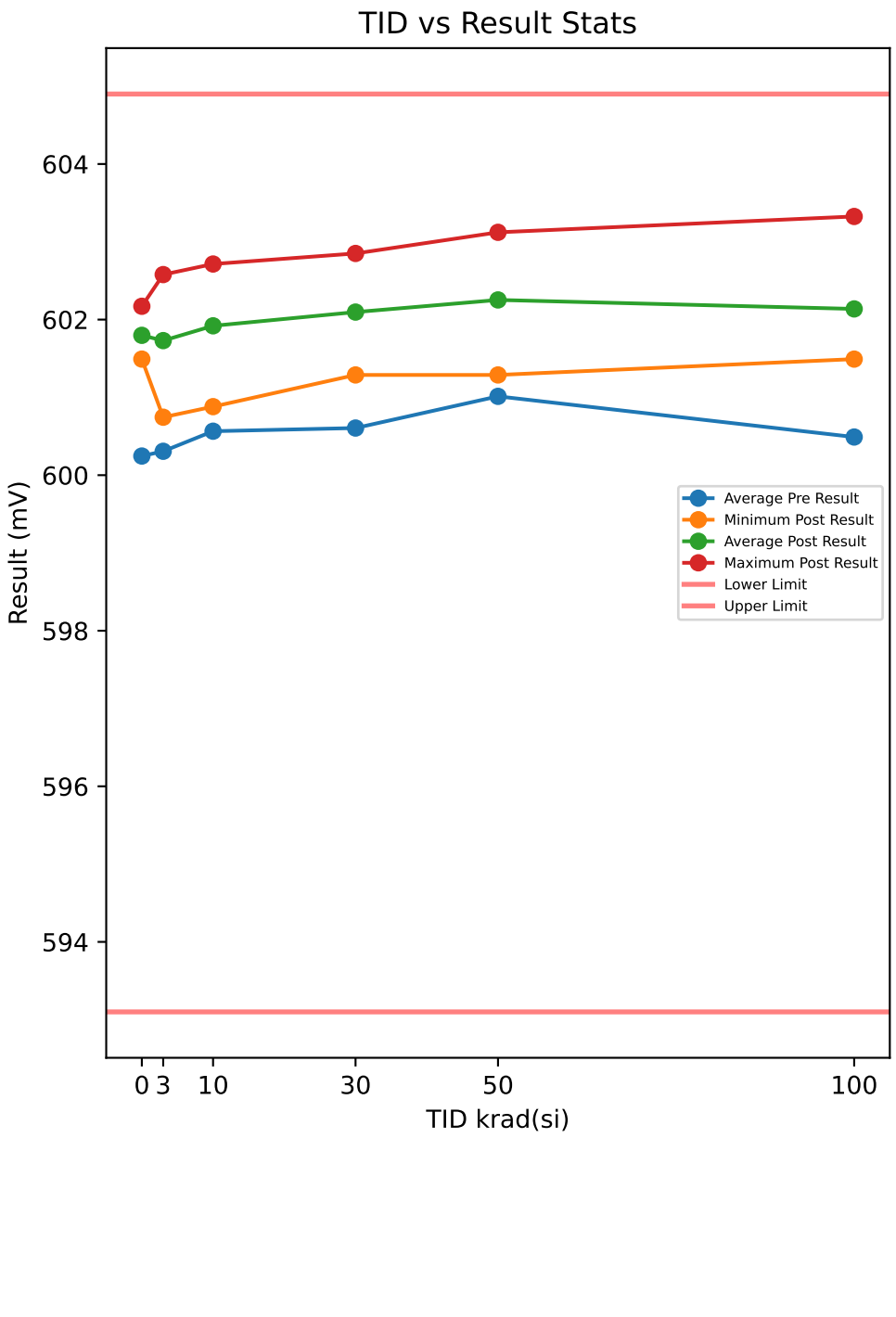
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

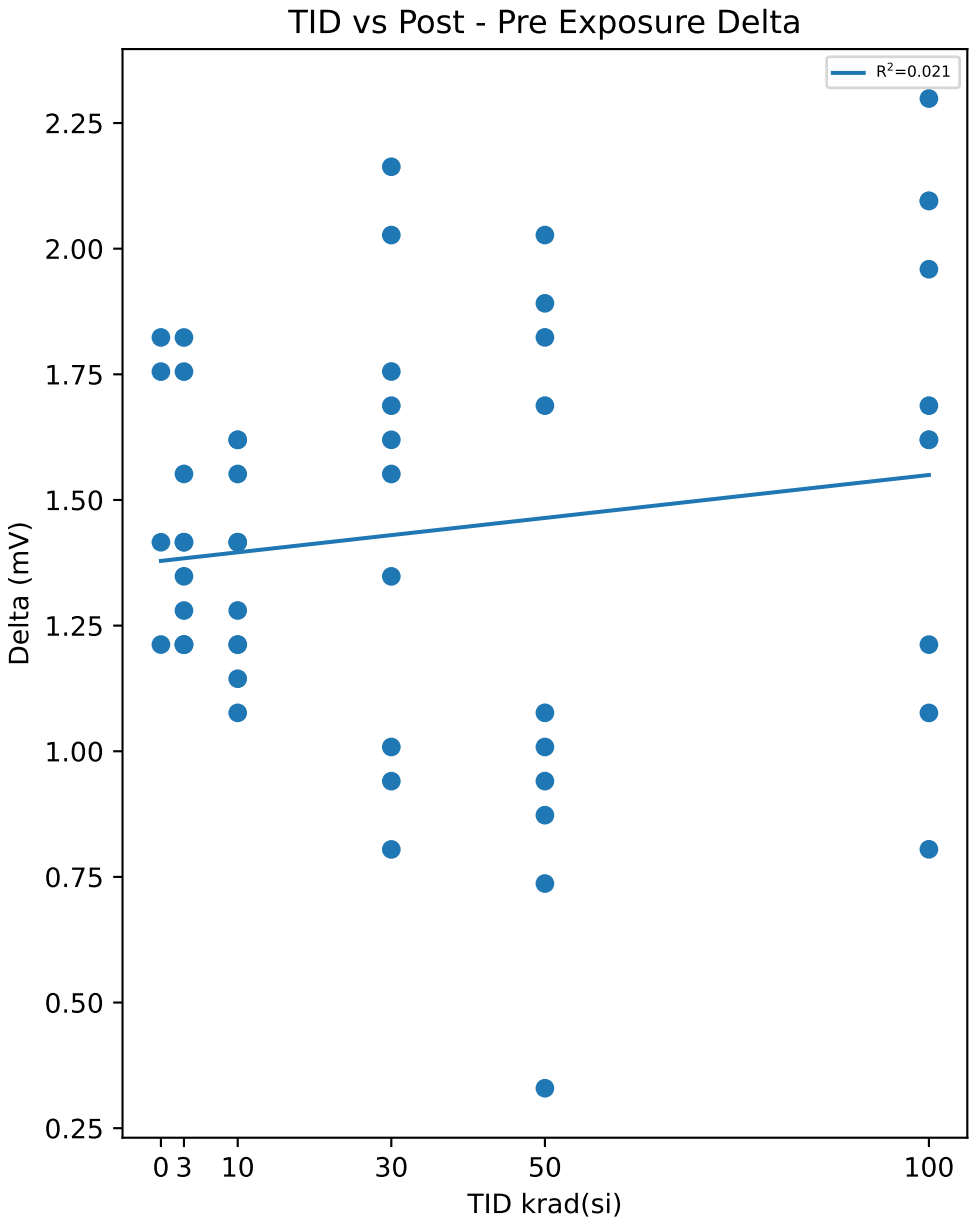
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	599.93	599.38	-0.5491
3	3	Biased	599.32	598.91	-0.4131
4	3	Biased	600.74	600.13	-0.6171
5	3	Biased	600	599.72	-0.2777
6	3	Biased	600.34	599.92	-0.4134
7	3	Unbiased	599.12	598.77	-0.3452
8	3	Unbiased	599.25	598.77	-0.481
9	3	Unbiased	598.91	598.7	-0.2094
10	3	Unbiased	599.66	599.45	-0.2097
11	3	Unbiased	598.98	598.3	-0.6843
12	10	Unbiased	599.39	599.11	-0.2774
13	10	Unbiased	599.39	598.97	-0.4131
14	10	Unbiased	599.73	599.38	-0.3455
15	10	Unbiased	600	599.45	-0.5491
16	10	Unbiased	598.98	598.57	-0.413
17	10	Biased	599.25	598.63	-0.6167
18	10	Biased	599.39	599.31	-0.0738
19	10	Biased	600.2	600.13	-0.0741
20	10	Biased	599.66	598.91	-0.7525
21	10	Biased	599.79	599.38	-0.4133
22	30	Biased	599.59	598.43	-1.1597
23	30	Biased	599.79	598.84	-0.9561
24	30	Biased	599.59	598.5	-1.0918
25	30	Biased	599.66	599.31	-0.3454
26	30	Biased	600.07	599.45	-0.6169
27	30	Unbiased	599.12	598.7	-0.4131
28	30	Unbiased	600.41	599.92	-0.4813
29	30	Unbiased	599.25	599.45	0.1976
30	30	Unbiased	600.34	599.58	-0.7527
31	30	Unbiased	598.5	598.5	-0.0057
32	50	Biased	600.74	600.06	-0.685
33	50	Biased	600	599.11	-0.8884
34	50	Biased	599.79	599.31	-0.4811
35	50	Biased	599.39	599.18	-0.2096
36	50	Biased	600.41	599.65	-0.7527
37	50	Unbiased	600.27	599.11	-1.1599
39	50	Unbiased	600.95	600.2	-0.753
40	50	Unbiased	599.73	599.52	-0.2097
41	50	Unbiased	600.13	599.45	-0.6848
42	50	Unbiased	600.13	599.92	-0.2098
43	100	Biased	598.98	598.77	-0.2094
44	100	Biased	599.66	598.7	-0.9562
45	100	Biased	599.25	598.84	-0.4131
46	100	Biased	600.13	598.5	-1.6348
47	100	Biased	599.86	598.97	-0.8883
48	100	Unbiased	600.81	599.79	-1.0244
49	100	Unbiased	599.66	599.58	-0.074
50	100	Unbiased	600.13	599.99	-0.1419
51	100	Unbiased	599.39	599.38	-0.006
52	100	Unbiased	599.18	598.97	-0.2095
53	0	Correlation	598.78	598.36	-0.4129
54	0	Correlation	599.59	599.45	-0.1418
55	0	Correlation	600.41	600.33	-0.0742
56	0	Correlation	598.57	598.36	-0.2093

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	598.57	599.34	600.41	0.83755	598.36	599.13	600.33	0.95219	-0.4129	-0.20955	-0.0742	0.14636
3	598.91	599.62	600.74	0.61572	598.3	599.2	600.13	0.60287	-0.6843	-0.42	-0.2094	0.16452
10	598.98	599.58	600.2	0.36738	598.57	599.18	600.13	0.45515	-0.7525	-0.39285	-0.0738	0.21707
30	598.5	599.63	600.41	0.57703	598.43	599.07	599.92	0.53642	-1.1597	-0.56251	0.1976	0.44655
50	599.39	600.15	600.95	0.46925	599.11	599.55	600.2	0.39729	-1.1599	-0.6034	-0.2096	0.32125
100	598.98	599.71	600.81	0.55058	598.5	599.15	599.99	0.50395	-1.6348	-0.55576	-0.006	0.53962

Device Test: 13.30; VTH_SENSE





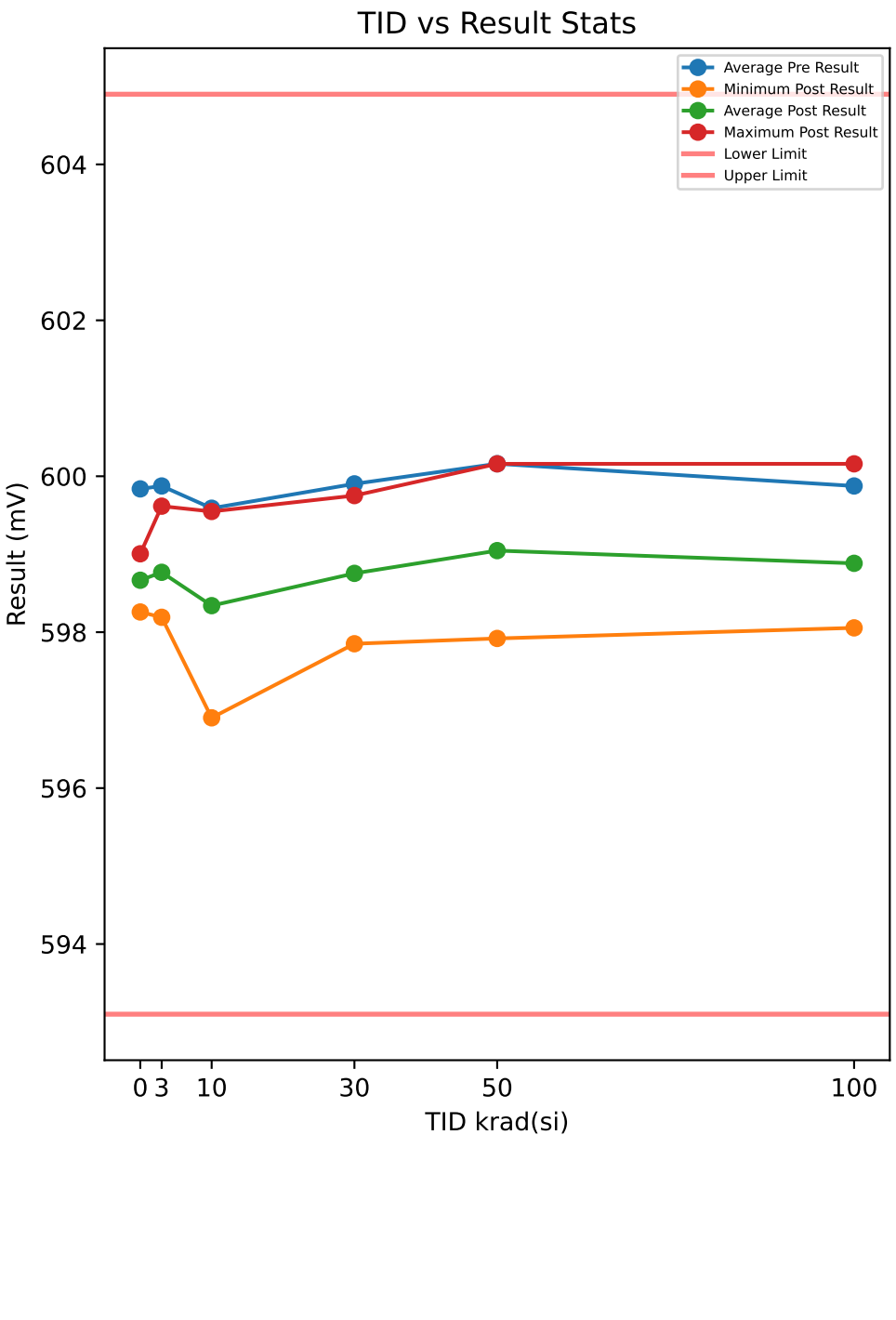
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

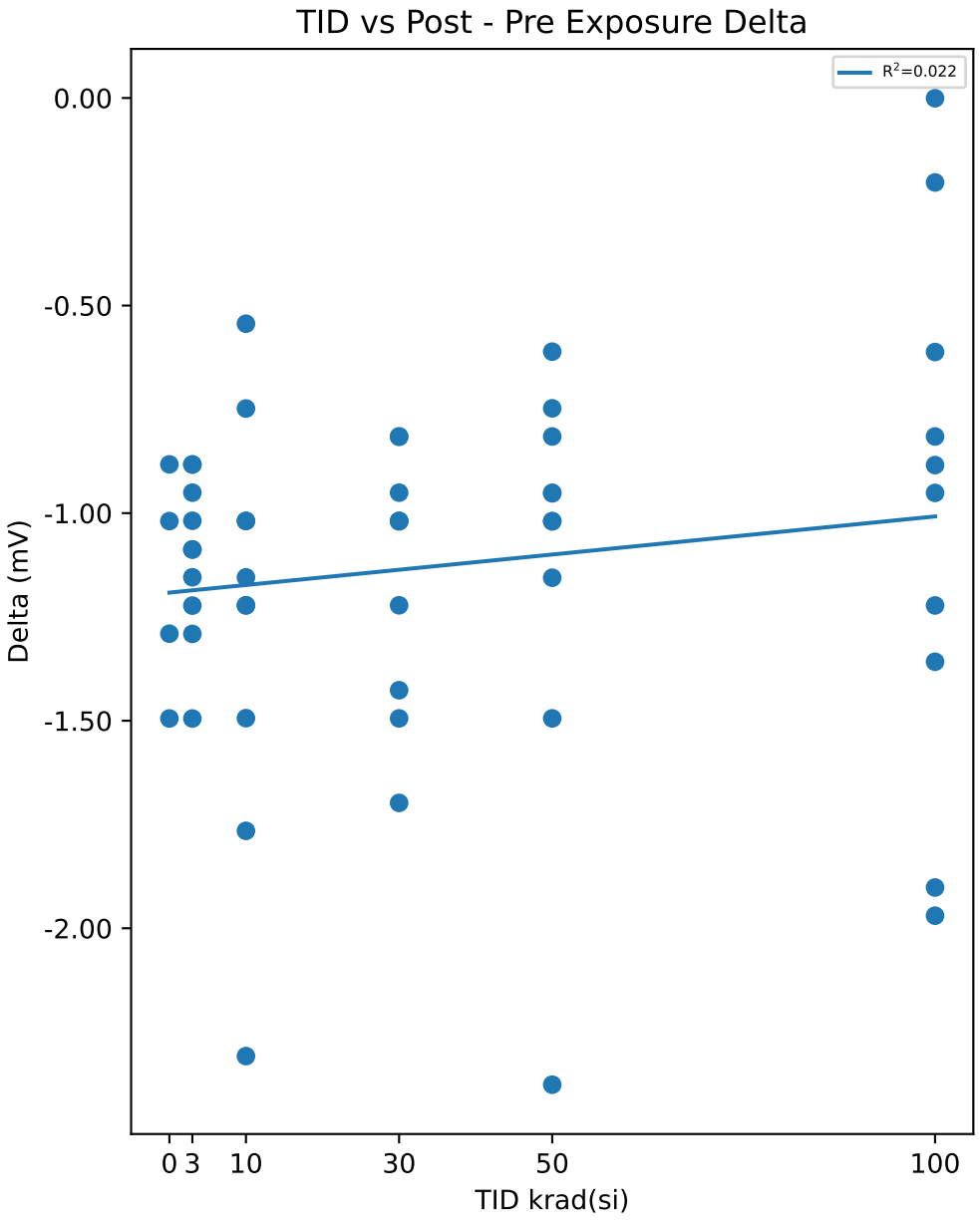
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	601.03	602.24	1.2123
3	3	Biased	599.94	601.7	1.7554
4	3	Biased	601.16	602.58	1.416
5	3	Biased	600.62	601.97	1.3481
6	3	Biased	600.76	602.17	1.416
7	3	Unbiased	600.42	601.97	1.5518
8	3	Unbiased	599.94	601.22	1.28
9	3	Unbiased	599.47	601.29	1.8233
10	3	Unbiased	600.21	601.42	1.2122
11	3	Unbiased	599.53	600.75	1.2121
12	10	Unbiased	600.42	602.04	1.6196
13	10	Unbiased	600.82	602.1	1.2801
14	10	Unbiased	600.55	602.17	1.6197
15	10	Unbiased	601.03	602.24	1.2123
16	10	Unbiased	599.8	600.88	1.0764
17	10	Biased	600.55	601.97	1.416
18	10	Biased	600.21	601.42	1.2122
19	10	Biased	601.3	602.71	1.416
20	10	Biased	600.62	601.76	1.1443
21	10	Biased	600.35	601.9	1.5517
22	30	Biased	600.48	601.29	0.8047
23	30	Biased	600.62	602.31	1.6876
24	30	Biased	600.89	601.9	1.0085
25	30	Biased	601.23	602.85	1.6197
26	30	Biased	600.96	602.71	1.7556
27	30	Unbiased	600.14	601.7	1.5517
28	30	Unbiased	600.76	602.1	1.348
29	30	Unbiased	600.69	602.85	2.163
30	30	Unbiased	600.35	601.29	0.9405
31	30	Unbiased	599.94	601.97	2.0271
32	50	Biased	601.71	602.58	0.8728
33	50	Biased	601.16	602.24	1.0765
34	50	Biased	601.43	603.12	1.6877
35	50	Biased	600.55	602.58	2.0271
36	50	Biased	600.55	601.29	0.7368
37	50	Unbiased	601.37	601.7	0.3295
39	50	Unbiased	600.89	601.83	0.9406
40	50	Unbiased	600.48	602.37	1.8913
41	50	Unbiased	601.09	602.1	1.0085
42	50	Unbiased	600.89	602.71	1.8235
43	100	Biased	599.26	601.56	2.2987
44	100	Biased	600.42	601.49	1.0763
45	100	Biased	600.01	602.1	2.095
46	100	Biased	600.82	602.04	1.2122
47	100	Biased	600.89	602.51	1.6198
48	100	Unbiased	601.16	601.97	0.8049
49	100	Unbiased	600.89	602.58	1.6876
50	100	Unbiased	601.23	603.33	2.0951
51	100	Unbiased	600.08	601.7	1.6197
52	100	Unbiased	600.14	602.1	1.9591
53	0	Correlation	600.14	601.56	1.4159
54	0	Correlation	600.35	602.17	1.8234
55	0	Correlation	600.76	601.97	1.2123
56	0	Correlation	599.74	601.49	1.7554

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	599.74	600.25	600.76	0.42408	601.49	601.8	602.17	0.32572	1.2123	1.5517	1.8234	0.28807
3	599.47	600.31	601.16	0.59128	600.75	601.73	602.58	0.55842	1.2121	1.4227	1.8233	0.22281
10	599.8	600.57	601.3	0.4208	600.88	601.92	602.71	0.49393	1.0764	1.3548	1.6197	0.19849
30	599.94	600.61	601.23	0.38915	601.29	602.1	602.85	0.58548	0.8047	1.4906	2.163	0.45889
50	600.48	601.01	601.71	0.41463	601.29	602.25	603.12	0.54121	0.3295	1.2394	2.0271	0.57462
100	599.26	600.49	601.23	0.62109	601.49	602.14	603.33	0.55103	0.8049	1.6468	2.2987	0.48883

Device Test: 13.31; VTH_SENSE





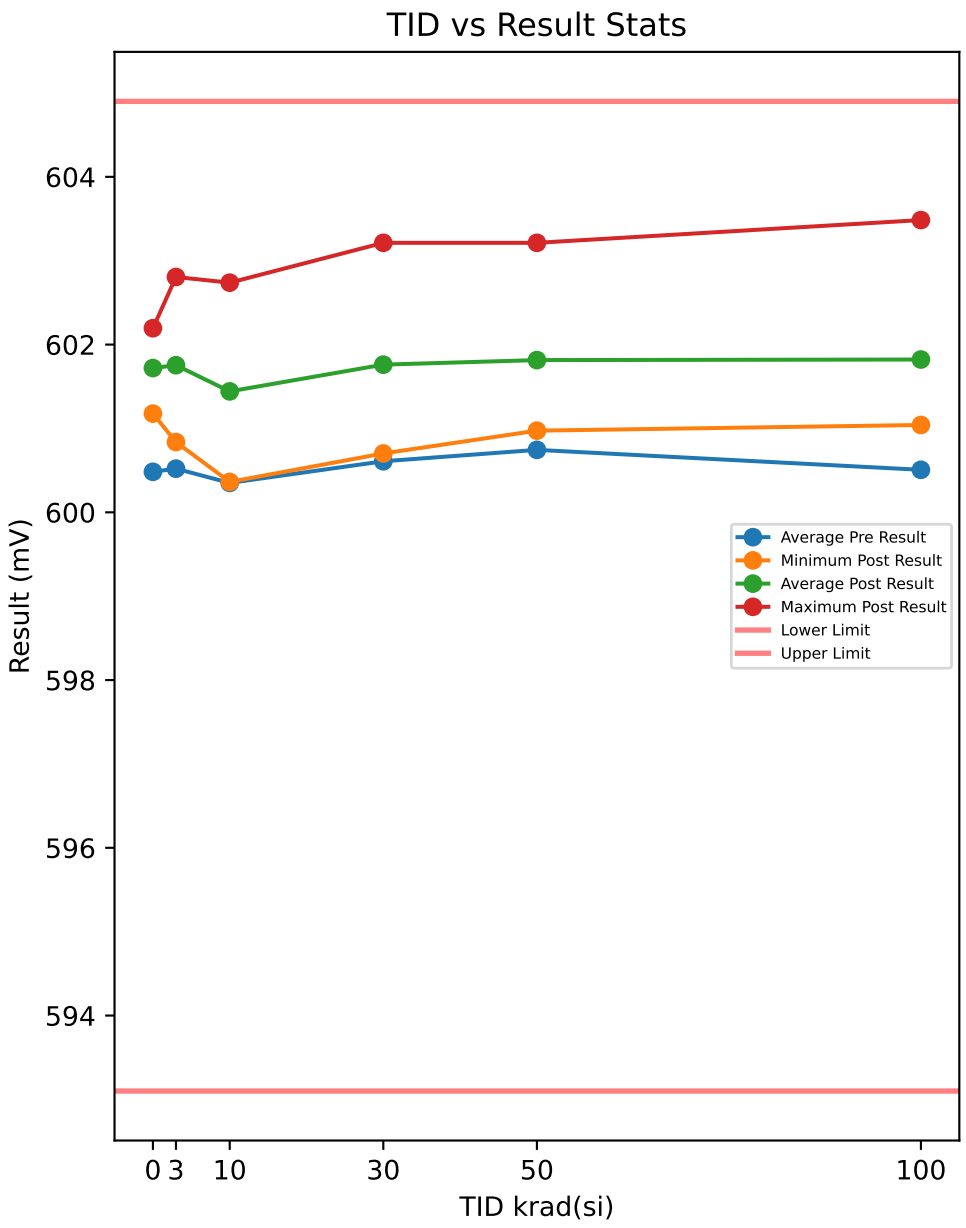
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

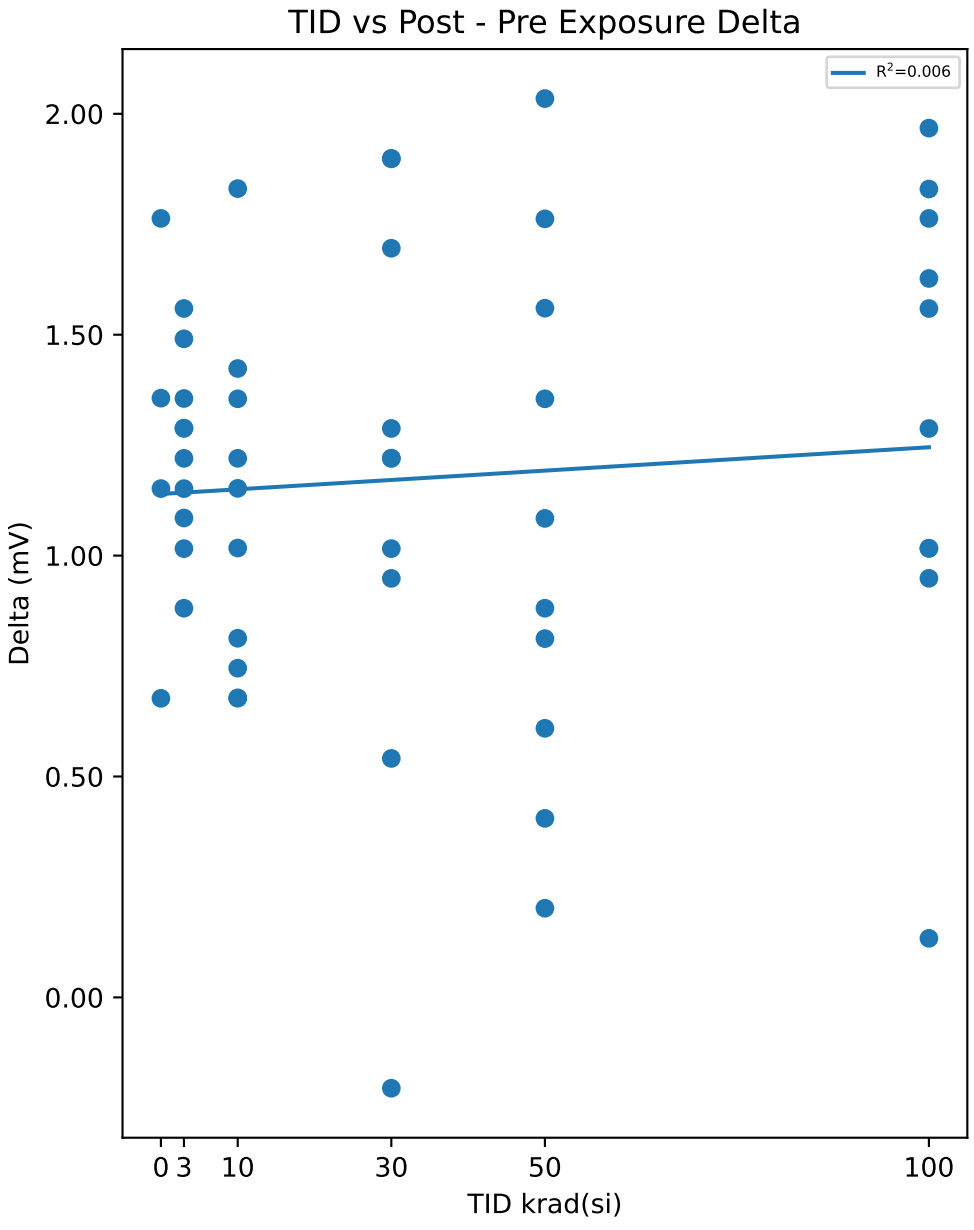
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.36	599.28	-1.0874
3	3	Biased	599.55	598.39	-1.1545
4	3	Biased	600.7	599.62	-1.0877
5	3	Biased	600.5	599.01	-1.4947
6	3	Biased	600.09	598.87	-1.2228
7	3	Unbiased	599.21	598.19	-1.0184
8	3	Unbiased	599.14	598.26	-0.8826
9	3	Unbiased	599.28	598.33	-0.9507
10	3	Unbiased	600.3	599.01	-1.2909
11	3	Unbiased	599.62	598.73	-0.883
12	10	Unbiased	599.41	598.19	-1.2222
13	10	Unbiased	599.55	598.06	-1.4939
14	10	Unbiased	599.82	598.67	-1.1547
15	10	Unbiased	599.75	598.73	-1.0188
16	10	Unbiased	599.14	597.92	-1.222
17	10	Biased	599.21	596.9	-2.3079
18	10	Biased	599.55	599.01	-0.5437
19	10	Biased	600.3	599.55	-0.748
20	10	Biased	599.62	598.6	-1.0188
21	10	Biased	599.55	597.78	-1.7653
22	30	Biased	600.23	598.8	-1.4266
23	30	Biased	599.68	598.67	-1.0189
24	30	Biased	600.23	598.53	-1.698
25	30	Biased	600.57	599.75	-0.8162
26	30	Biased	599.41	598.6	-0.815
27	30	Unbiased	599.41	598.46	-0.9507
28	30	Unbiased	600.77	599.75	-1.0199
29	30	Unbiased	599.48	598.46	-1.0187
30	30	Unbiased	600.16	598.67	-1.4944
31	30	Unbiased	599.07	597.85	-1.222
32	50	Biased	600.02	599.01	-1.0192
33	50	Biased	599.75	598.8	-0.951
34	50	Biased	600.7	599.68	-1.0198
35	50	Biased	598.94	598.33	-0.611
36	50	Biased	600.23	598.73	-1.4944
37	50	Unbiased	600.3	597.92	-2.3768
39	50	Unbiased	600.77	599.62	-1.1556
40	50	Unbiased	599.89	599.14	-0.7475
41	50	Unbiased	599.89	599.07	-0.8154
42	50	Unbiased	601.11	600.16	-0.9523
43	100	Biased	598.67	598.46	-0.2035
44	100	Biased	600.09	599.14	-0.9513
45	100	Biased	599.41	599.41	-0.0006
46	100	Biased	600.43	598.53	-1.9018
47	100	Biased	599.82	599.01	-0.8154
48	100	Unbiased	600.36	598.39	-1.9697
49	100	Unbiased	599.96	599.34	-0.6119
50	100	Unbiased	601.04	600.16	-0.8843
51	100	Unbiased	599.55	598.33	-1.2224
52	100	Unbiased	599.41	598.06	-1.358
53	0	Correlation	599.82	598.53	-1.2904
54	0	Correlation	600.02	599.01	-1.0192
55	0	Correlation	600.36	598.87	-1.4946
56	0	Correlation	599.14	598.26	-0.8826

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	599.14	599.84	600.36	0.5155	598.26	598.67	599.01	0.33705	-1.4946	-1.1717	-0.8826	0.27398
3	599.14	599.88	600.7	0.58243	598.19	598.77	599.62	0.4748	-1.4947	-1.1073	-0.8826	0.19246
10	599.14	599.59	600.3	0.32688	596.9	598.34	599.55	0.73709	-2.3079	-1.2495	-0.5437	0.50691
30	599.07	599.9	600.77	0.56454	597.85	598.75	599.75	0.58385	-1.698	-1.148	-0.815	0.30098
50	598.94	600.16	601.11	0.61681	597.92	599.05	600.16	0.6605	-2.3768	-1.1143	-0.611	0.50422
100	598.67	599.88	601.04	0.66388	598.06	598.88	600.16	0.6445	-1.9697	-0.99189	-0.0006	0.64672

Device Test: 13.32; VTH_SENSE





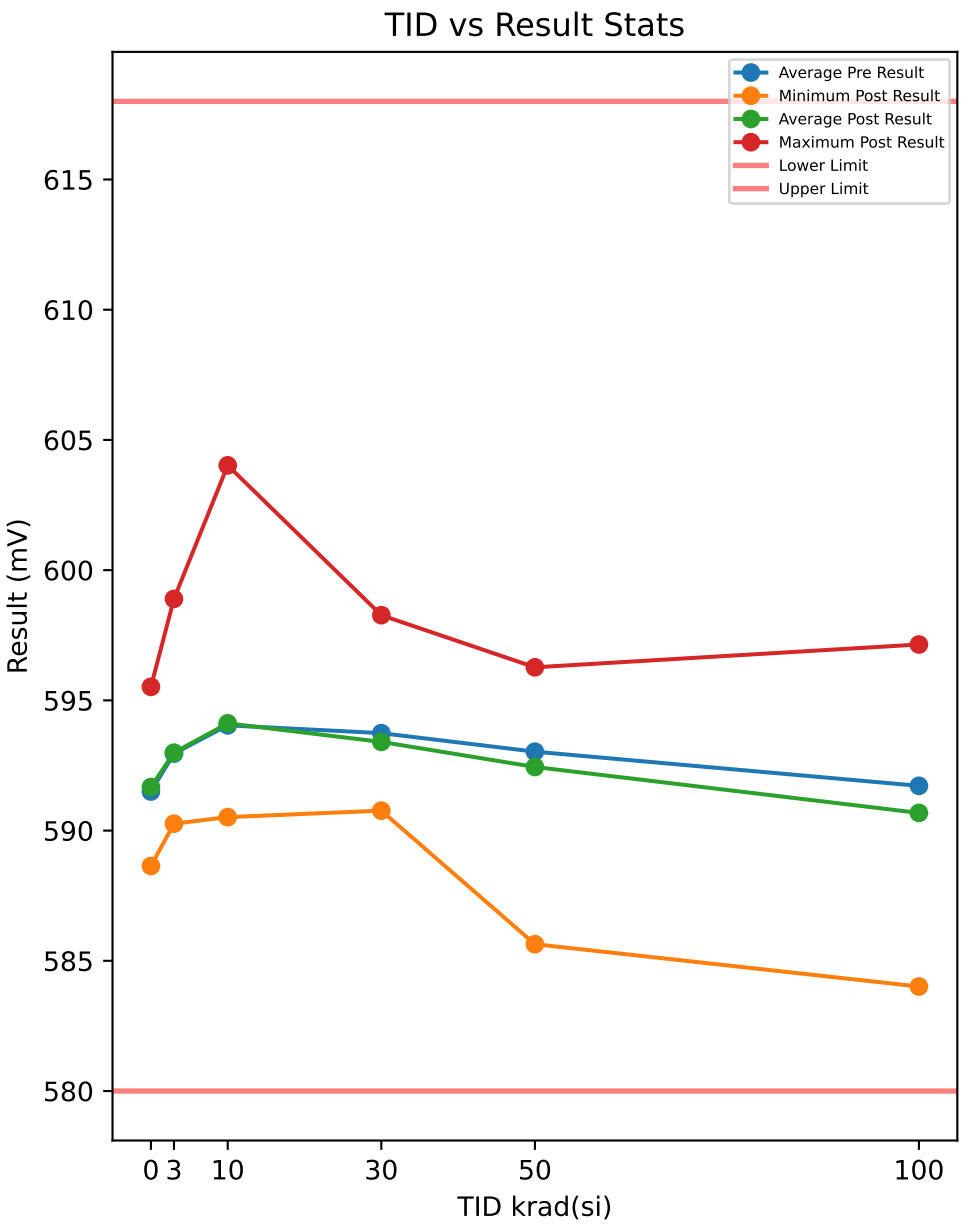
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

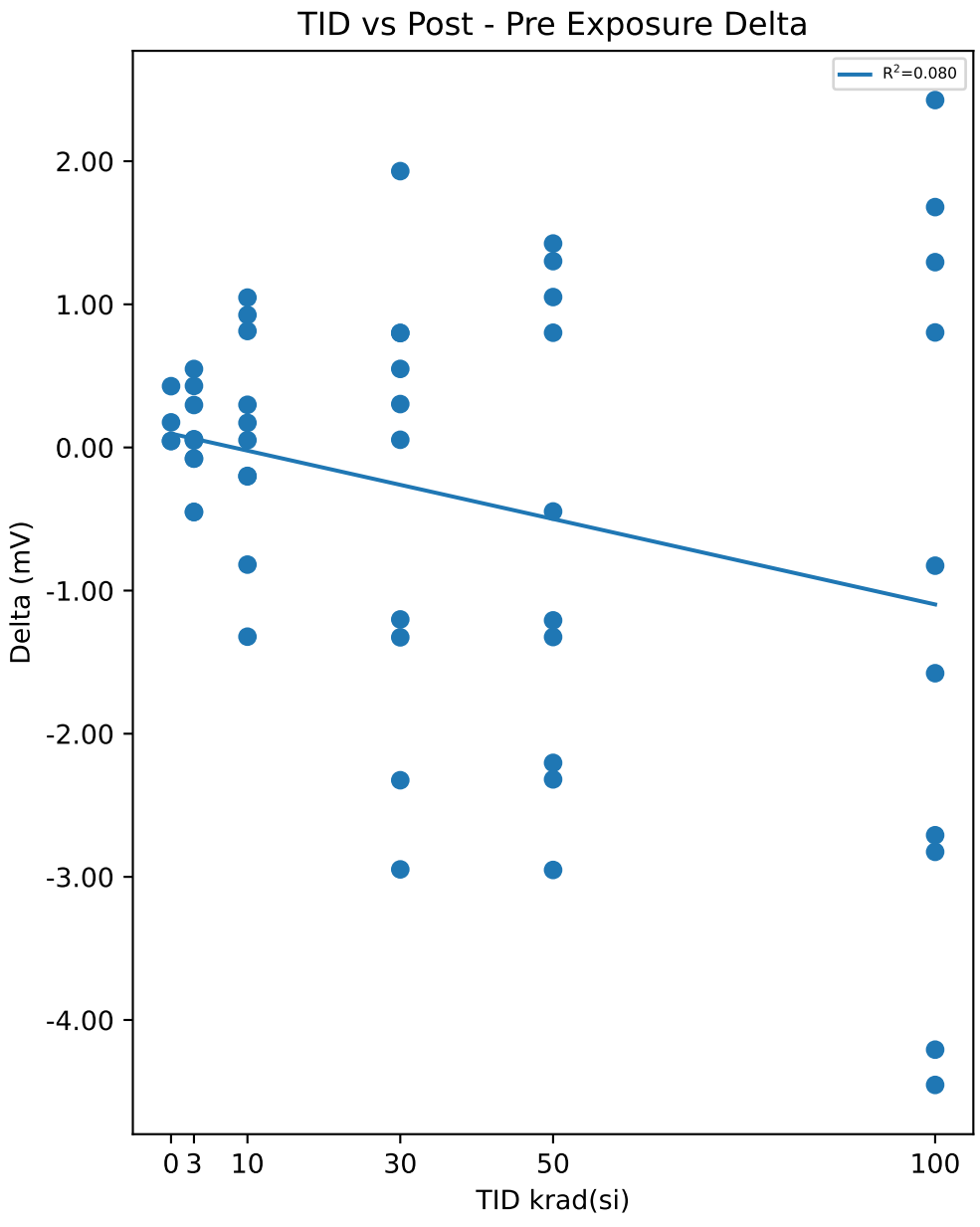
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	601.18	602.2	1.0158
3	3	Biased	600.36	601.58	1.2201
4	3	Biased	601.32	602.81	1.4907
5	3	Biased	601.18	602.33	1.1516
6	3	Biased	600.43	601.99	1.5594
7	3	Unbiased	599.75	600.84	1.0851
8	3	Unbiased	600.16	601.04	0.8809
9	3	Unbiased	599.82	601.11	1.2885
10	3	Unbiased	600.77	602.13	1.3556
11	3	Unbiased	600.23	601.52	1.2881
12	10	Unbiased	600.43	601.58	1.1522
13	10	Unbiased	600.23	600.97	0.7452
14	10	Unbiased	600.57	602.4	1.8307
15	10	Unbiased	600.7	602.13	1.4235
16	10	Unbiased	599.68	600.7	1.0171
17	10	Biased	599.68	600.36	0.6778
18	10	Biased	600.3	601.52	1.2202
19	10	Biased	601.38	602.74	1.3549
20	10	Biased	600.16	600.84	0.6774
21	10	Biased	600.36	601.18	0.8129
22	30	Biased	600.77	601.72	0.9484
23	30	Biased	600.43	601.65	1.2201
24	30	Biased	601.04	601.58	0.5409
25	30	Biased	601.32	603.21	1.898
26	30	Biased	600.57	601.86	1.2878
27	30	Unbiased	599.96	601.18	1.2206
28	30	Unbiased	601.25	602.26	1.0158
29	30	Unbiased	600.02	601.92	1.8992
30	30	Unbiased	600.91	600.7	-0.2056
31	30	Unbiased	599.82	601.52	1.6957
32	50	Biased	600.57	601.18	0.6091
33	50	Biased	600.23	601.11	0.8809
34	50	Biased	601.45	602.81	1.3549
35	50	Biased	599.82	601.38	1.56
36	50	Biased	600.77	600.97	0.2018
37	50	Unbiased	600.91	601.31	0.4052
39	50	Unbiased	601.32	602.13	0.8121
40	50	Unbiased	600.36	602.4	2.0345
41	50	Unbiased	600.57	601.65	1.0842
42	50	Unbiased	601.45	603.21	1.7622
43	100	Biased	599.28	601.25	1.9676
44	100	Biased	600.57	601.86	1.2878
45	100	Biased	600.23	601.99	1.7632
46	100	Biased	600.84	601.86	1.0162
47	100	Biased	600.43	602.06	1.6273
48	100	Unbiased	600.91	601.04	0.1337
49	100	Unbiased	600.57	602.13	1.5593
50	100	Unbiased	601.65	603.48	1.8298
51	100	Unbiased	600.5	601.45	0.9486
52	100	Unbiased	600.09	601.11	1.0168
53	0	Correlation	600.3	602.06	1.7632
54	0	Correlation	600.77	601.45	0.6769
55	0	Correlation	601.04	602.2	1.1517
56	0	Correlation	599.82	601.18	1.3564

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	599.82	600.48	601.04	0.5388	601.18	601.72	602.2	0.48625	0.6769	1.2371	1.7632	0.45171
3	599.75	600.52	601.32	0.56659	600.84	601.75	602.81	0.63927	0.8809	1.2336	1.5594	0.20921
10	599.68	600.35	601.38	0.49276	600.36	601.44	602.74	0.77871	0.6774	1.0912	1.8307	0.37888
30	599.82	600.61	601.32	0.5408	600.7	601.76	603.21	0.6636	-0.2056	1.1521	1.8992	0.64246
50	599.82	600.74	601.45	0.5455	600.97	601.82	603.21	0.77857	0.2018	1.0705	2.0345	0.60012
100	599.28	600.51	601.65	0.61132	601.04	601.82	603.48	0.70984	0.1337	1.315	1.9676	0.55354

Device Test: 13.33; VTH_SR_UVLO_RISE





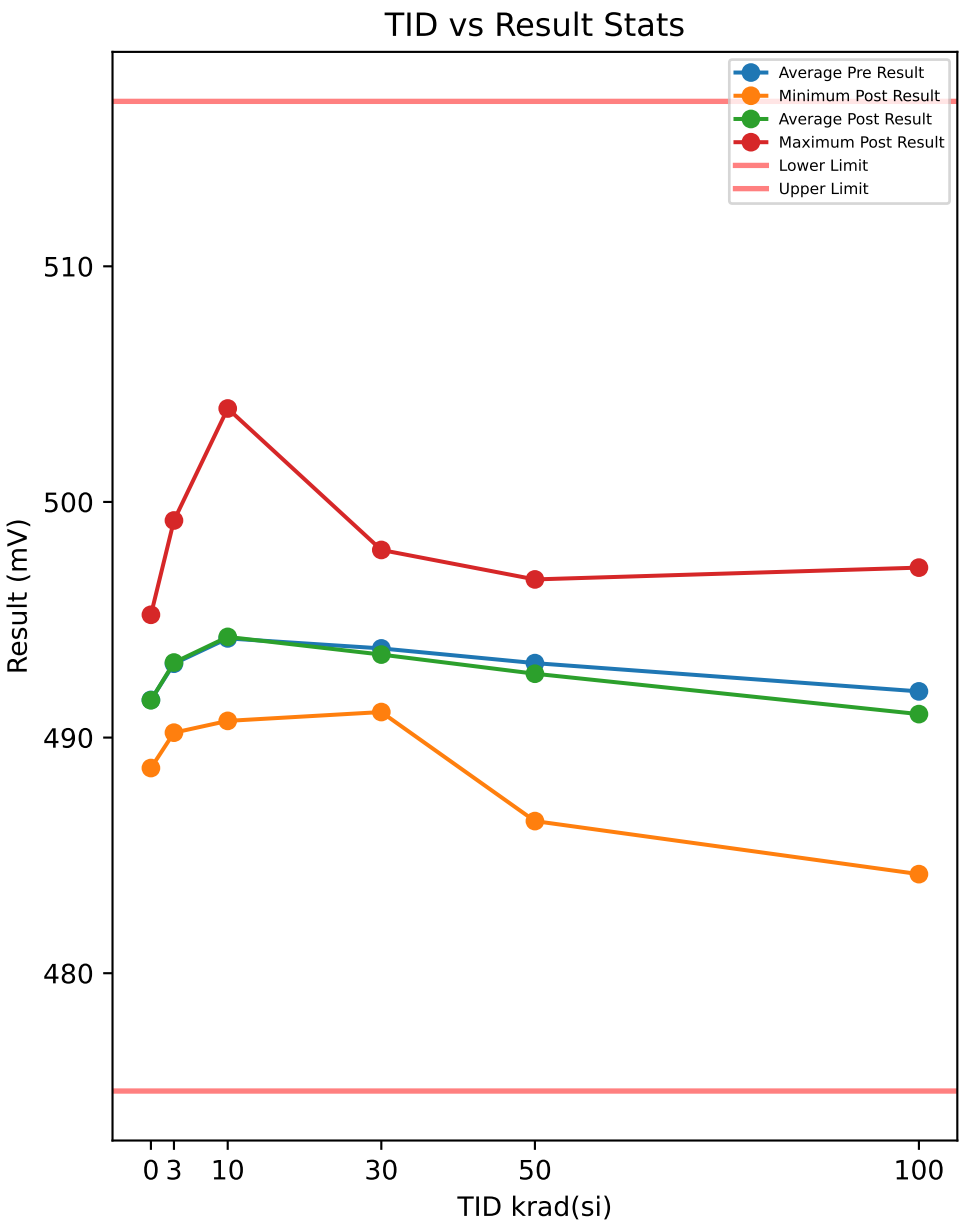
Test Results (Lower Limit = 580.0, Upper Limit = 618.0 (mV))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	590.72	590.64	-0.0777
3	3	Biased	598.84	598.9	0.0576
4	3	Biased	591.72	591.27	-0.4516
5	3	Biased	595.47	595.52	0.0534
6	3	Biased	589.97	590.27	0.2967
7	3	Unbiased	591.22	591.27	0.048
8	3	Unbiased	596.72	597.15	0.4301
9	3	Unbiased	591.22	591.77	0.5483
10	3	Unbiased	590.72	590.64	-0.0777
11	3	Unbiased	592.97	592.52	-0.4501
12	10	Unbiased	592.84	593.77	0.9256
13	10	Unbiased	591.22	591.52	0.2982
14	10	Unbiased	598.34	597.52	-0.8185
15	10	Unbiased	591.22	591.02	-0.2021
16	10	Unbiased	589.97	591.02	1.0471
17	10	Biased	593.59	593.64	0.051
18	10	Biased	590.34	590.52	0.172
19	10	Biased	603.21	604.02	0.8135
20	10	Biased	593.84	593.64	-0.1988
21	10	Biased	595.84	594.52	-1.322
22	30	Biased	593.84	591.52	-2.325
23	30	Biased	592.22	591.02	-1.2014
24	30	Biased	595.84	592.89	-2.9479
25	30	Biased	591.84	592.64	0.7992
26	30	Biased	592.09	590.77	-1.3266
27	30	Unbiased	592.72	593.52	0.8003
28	30	Unbiased	595.22	595.52	0.3032
29	30	Unbiased	596.34	598.27	1.9306
30	30	Unbiased	595.72	595.77	0.0537
31	30	Unbiased	591.59	592.14	0.5489
32	50	Biased	598.59	596.27	-2.3191
33	50	Biased	590.84	588.64	-2.2037
34	50	Biased	593.84	592.52	-1.3245
35	50	Biased	586.85	585.64	-1.2081
36	50	Biased	592.72	589.77	-2.9519
37	50	Unbiased	592.97	594.02	1.0508
39	50	Unbiased	595.09	594.64	-0.4473
40	50	Unbiased	592.09	593.52	1.4249
41	50	Unbiased	593.72	594.52	0.8016
42	50	Unbiased	593.59	594.89	1.3017
43	100	Biased	591.59	590.02	-1.5774
44	100	Biased	593.84	591.02	-2.8253
45	100	Biased	586.72	584.01	-2.7092
46	100	Biased	588.97	584.76	-4.2073
47	100	Biased	591.84	587.39	-4.4538
48	100	Unbiased	587.97	589.27	1.2946
49	100	Unbiased	595.09	595.89	0.8034
50	100	Unbiased	595.47	597.15	1.6793
51	100	Unbiased	592.34	591.52	-0.826
52	100	Unbiased	593.34	595.77	2.4271
53	0	Correlation	593.09	593.27	0.1755
54	0	Correlation	595.09	595.52	0.4282
55	0	Correlation	589.22	589.27	0.0455
56	0	Correlation	588.6	588.64	0.0448

Test Statistics (mV)

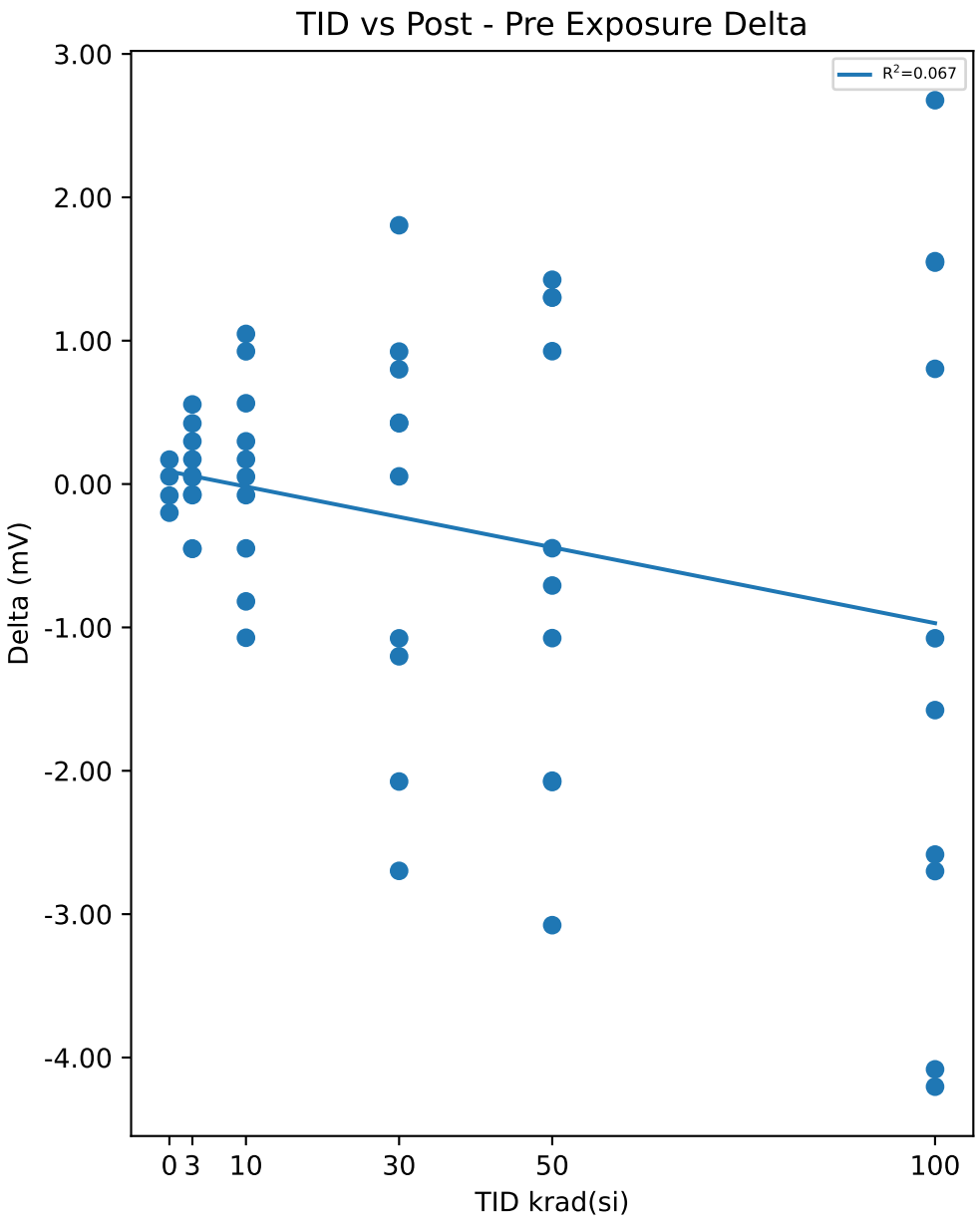
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	588.6	591.5	595.09	3.1127	588.64	591.67	595.52	3.2828	0.0448	0.1735	0.4282	0.18058
3	589.97	592.96	598.84	3.0098	590.27	592.99	598.9	3.0669	-0.4516	0.0377	0.5483	0.33108
10	589.97	594.04	603.21	4.1318	590.52	594.12	604.02	4.0745	-1.322	0.0766	1.0471	0.75831
30	591.59	593.74	596.34	1.8722	590.77	593.41	598.27	2.4133	-2.9479	-0.3365	1.9306	1.5481
50	586.85	593.03	598.59	2.9923	585.64	592.44	596.27	3.3561	-2.9519	-0.58756	1.4249	1.6459
100	586.72	591.72	595.47	2.973	584.01	590.68	597.15	4.5758	-4.4538	-1.0395	2.4271	2.5002

Device Test: 13.34; VTH_SR_UVLO_FALL



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

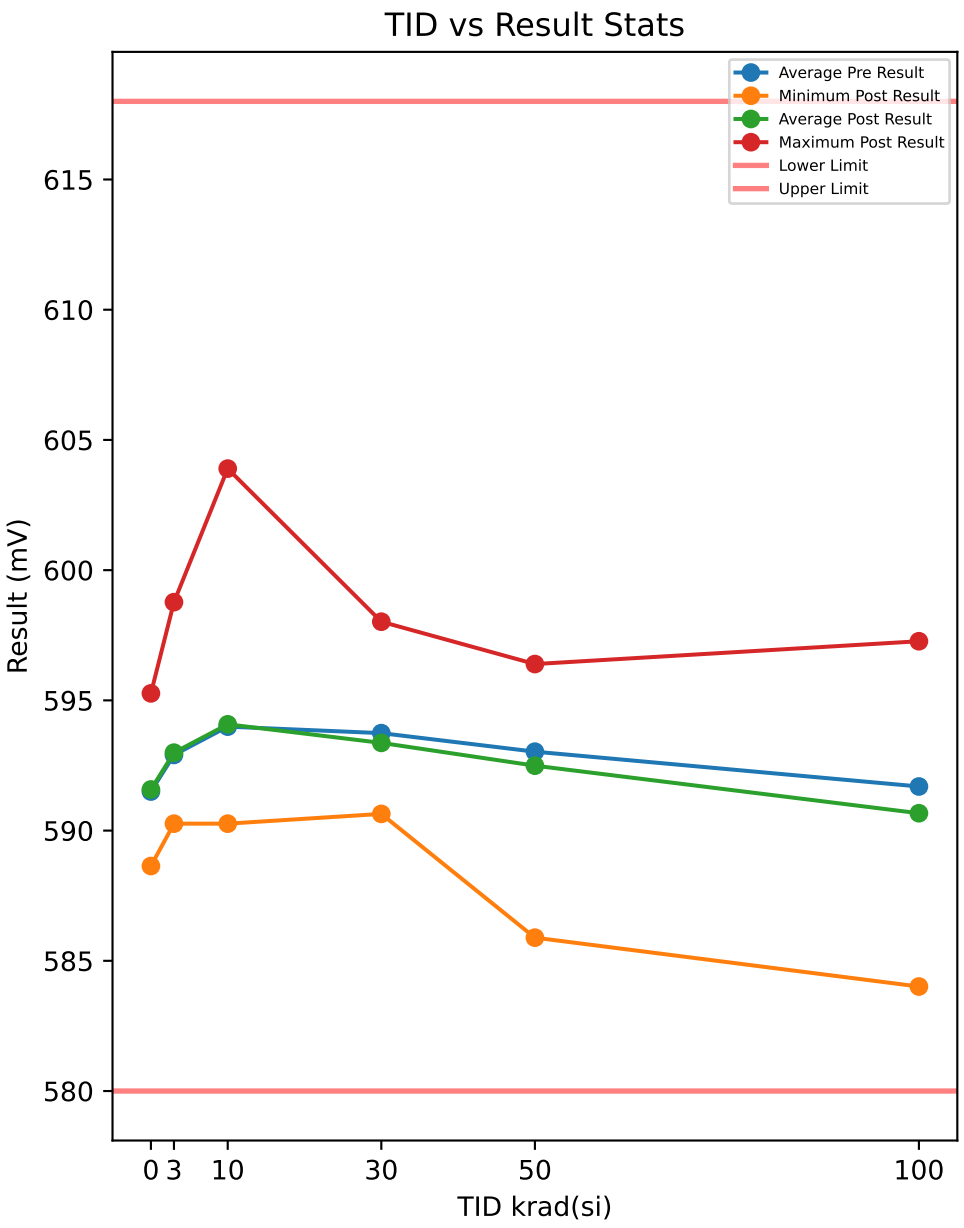
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	490.91	490.83	-0.0776
3	3	Biased	499.16	499.21	0.0577
4	3	Biased	491.54	491.08	-0.4521
5	3	Biased	495.53	495.46	-0.0719
6	3	Biased	490.16	490.21	0.0465
7	3	Unbiased	491.29	491.58	0.298
8	3	Unbiased	497.03	497.59	0.5554
9	3	Unbiased	491.41	491.83	0.4232
10	3	Unbiased	490.91	491.08	0.1725
11	3	Unbiased	493.41	492.96	-0.4497
12	10	Unbiased	493.16	494.09	0.9257
13	10	Unbiased	491.16	491.46	0.2979
14	10	Unbiased	498.66	497.84	-0.8184
15	10	Unbiased	491.04	490.96	-0.0775
16	10	Unbiased	490.29	491.33	1.0472
17	10	Biased	493.91	493.96	0.0512
18	10	Biased	490.54	490.71	0.172
19	10	Biased	503.4	503.97	0.5634
20	10	Biased	494.16	493.71	-0.4488
21	10	Biased	495.78	494.71	-1.0721
22	30	Biased	494.03	491.96	-2.0749
23	30	Biased	492.54	491.46	-1.0762
24	30	Biased	495.78	493.08	-2.6981
25	30	Biased	491.79	492.71	0.924
26	30	Biased	492.29	491.08	-1.2016
27	30	Unbiased	492.66	493.46	0.8001
28	30	Unbiased	495.03	495.46	0.4278
29	30	Unbiased	496.16	497.96	1.805
30	30	Unbiased	495.78	495.84	0.0535
31	30	Unbiased	491.79	492.21	0.4237
32	50	Biased	498.78	496.71	-2.069
33	50	Biased	491.04	488.96	-2.0786
34	50	Biased	493.78	492.71	-1.0747
35	50	Biased	487.16	486.46	-0.7078
36	50	Biased	492.91	489.83	-3.0769
37	50	Unbiased	493.03	494.34	1.3008
39	50	Unbiased	495.03	494.59	-0.4477
40	50	Unbiased	492.29	493.71	1.4249
41	50	Unbiased	493.91	494.84	0.9267
42	50	Unbiased	493.66	494.96	1.3017
43	100	Biased	492.29	490.71	-1.5768
44	100	Biased	494.28	491.58	-2.6999
45	100	Biased	486.79	484.2	-2.5843
46	100	Biased	488.91	484.83	-4.0825
47	100	Biased	492.16	487.96	-4.2035
48	100	Unbiased	487.79	489.33	1.5444
49	100	Unbiased	495.53	496.34	0.8036
50	100	Unbiased	495.66	497.21	1.5543
51	100	Unbiased	492.79	491.71	-1.0759
52	100	Unbiased	493.41	496.09	2.6771
53	0	Correlation	493.16	492.96	-0.1999
54	0	Correlation	495.16	495.21	0.0527
55	0	Correlation	489.29	489.46	0.1705
56	0	Correlation	488.79	488.71	-0.0804

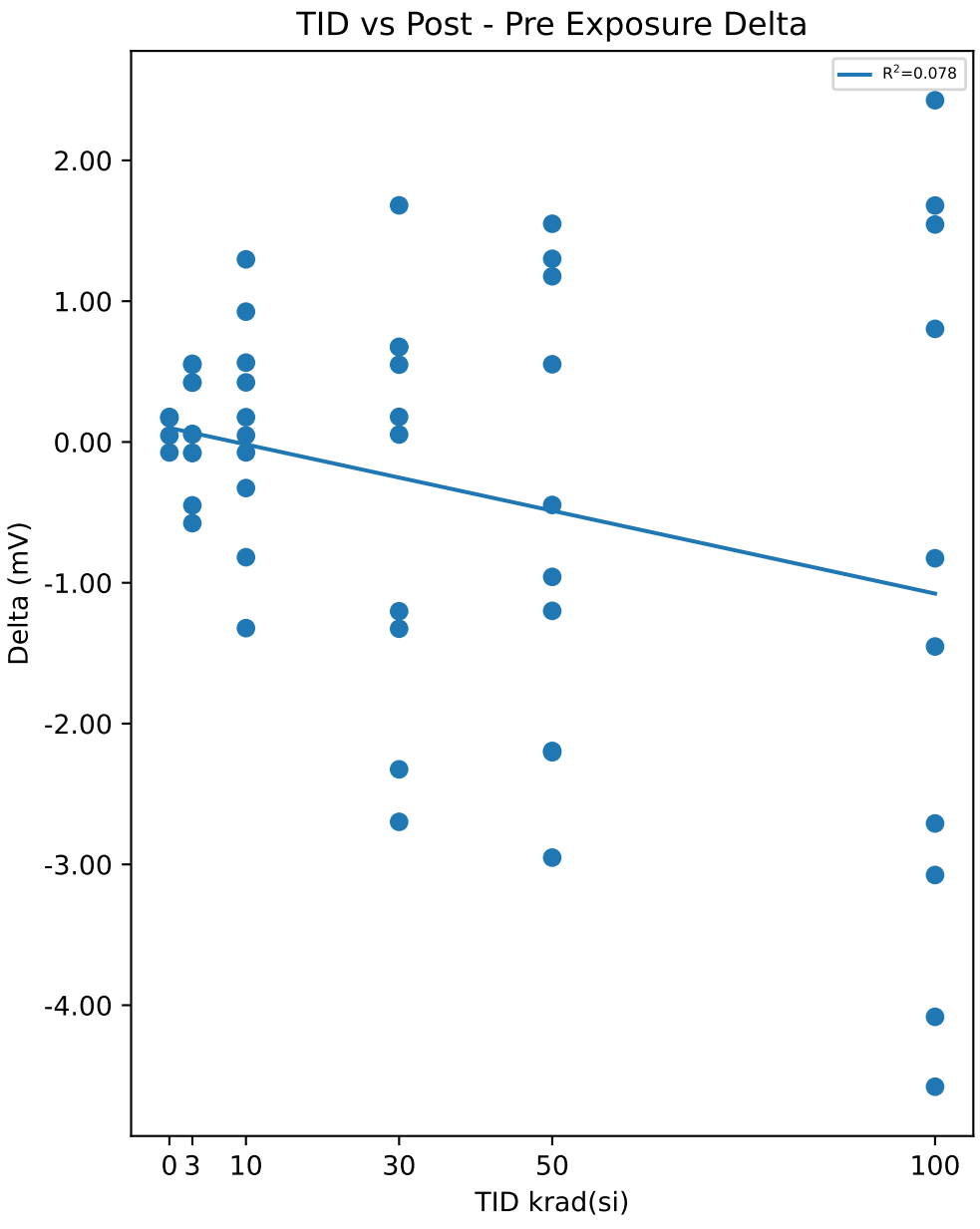


Test Statistics (mV)

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	488.79	491.6	495.16	3.0742	488.71	491.58	495.21	3.0466	-0.1999	-0.014275	0.1705	0.16068
3	490.16	493.13	499.16	3.0721	490.21	493.18	499.21	3.137	-0.4521	0.0502	0.5554	0.33404
10	490.29	494.21	503.4	4.166	490.71	494.27	503.97	4.0491	-1.0721	0.06406	1.0472	0.69741
30	491.79	493.78	496.16	1.7734	491.08	493.52	497.96	2.2126	-2.6981	-0.26167	1.805	1.4383
50	487.16	493.16	498.78	2.9366	486.46	492.71	496.71	3.2358	-3.0769	-0.45006	1.4249	1.6389
100	486.79	491.96	495.66	3.1305	484.2	491	497.21	4.5966	-4.2035	-0.96435	2.6771	2.4779

Device Test: 13.36; VTH_SR_UVLO_RISE





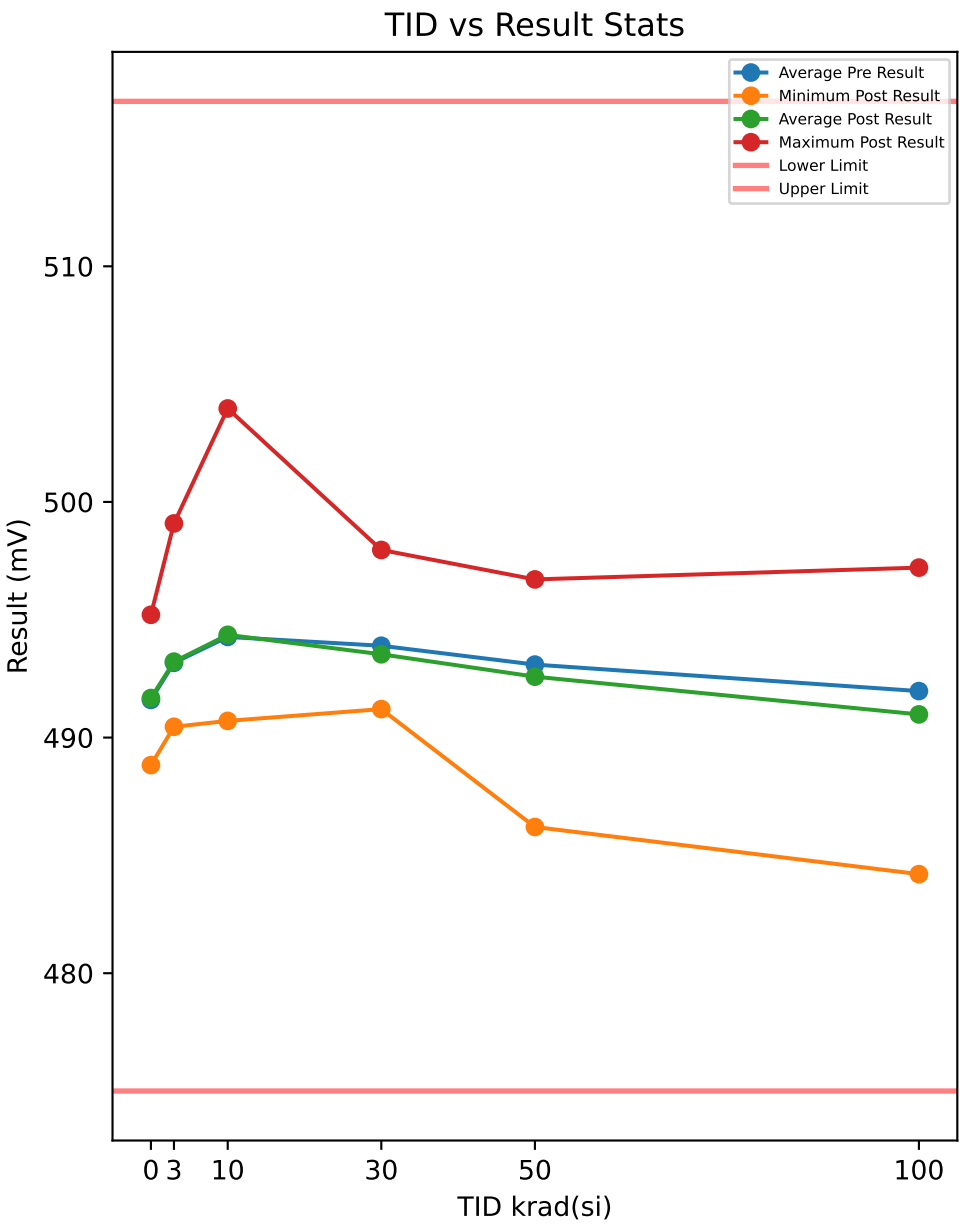
Test Results (Lower Limit = 580.0, Upper Limit = 618.0 (mV))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	590.59	590.52	-0.0778
3	3	Biased	598.71	598.77	0.0575
4	3	Biased	591.72	591.14	-0.5767
5	3	Biased	595.47	595.52	0.0534
6	3	Biased	589.84	590.27	0.4216
7	3	Unbiased	590.97	591.39	0.423
8	3	Unbiased	596.84	597.4	0.5554
9	3	Unbiased	591.09	591.64	0.5482
10	3	Unbiased	590.84	590.77	-0.0774
11	3	Unbiased	592.97	592.52	-0.4501
12	10	Unbiased	592.97	593.89	0.9257
13	10	Unbiased	591.22	591.64	0.4233
14	10	Unbiased	598.34	597.52	-0.8185
15	10	Unbiased	591.09	590.77	-0.3273
16	10	Unbiased	589.84	591.14	1.297
17	10	Biased	593.59	593.77	0.1761
18	10	Biased	590.22	590.27	0.0469
19	10	Biased	603.34	603.9	0.5635
20	10	Biased	593.59	593.52	-0.0741
21	10	Biased	595.72	594.39	-1.322
22	30	Biased	593.84	591.52	-2.325
23	30	Biased	592.34	591.02	-1.3263
24	30	Biased	595.84	593.14	-2.6978
25	30	Biased	591.84	592.52	0.6741
26	30	Biased	591.84	590.64	-1.202
27	30	Unbiased	592.84	593.52	0.6754
28	30	Unbiased	595.22	595.27	0.053
29	30	Unbiased	596.34	598.02	1.6805
30	30	Unbiased	595.59	595.77	0.1785
31	30	Unbiased	591.72	592.27	0.549
32	50	Biased	598.59	596.39	-2.194
33	50	Biased	590.84	588.64	-2.2037
34	50	Biased	593.84	592.64	-1.1994
35	50	Biased	586.85	585.89	-0.958
36	50	Biased	592.84	589.89	-2.9517
37	50	Unbiased	592.84	594.14	1.3008
39	50	Unbiased	595.09	594.64	-0.4473
40	50	Unbiased	591.97	593.52	1.5498
41	50	Unbiased	593.84	594.39	0.5517
42	50	Unbiased	593.59	594.77	1.1767
43	100	Biased	591.47	590.02	-1.4525
44	100	Biased	593.84	590.77	-3.0754
45	100	Biased	586.72	584.01	-2.7092
46	100	Biased	588.85	584.76	-4.0824
47	100	Biased	591.97	587.39	-4.5787
48	100	Unbiased	587.72	589.27	1.5445
49	100	Unbiased	595.09	595.89	0.8034
50	100	Unbiased	595.59	597.27	1.6794
51	100	Unbiased	592.34	591.52	-0.826
52	100	Unbiased	593.34	595.77	2.4271
53	0	Correlation	593.22	593.14	-0.0746
54	0	Correlation	595.09	595.27	0.178
55	0	Correlation	589.22	589.27	0.0455
56	0	Correlation	588.47	588.64	0.1697

Test Statistics (mV)

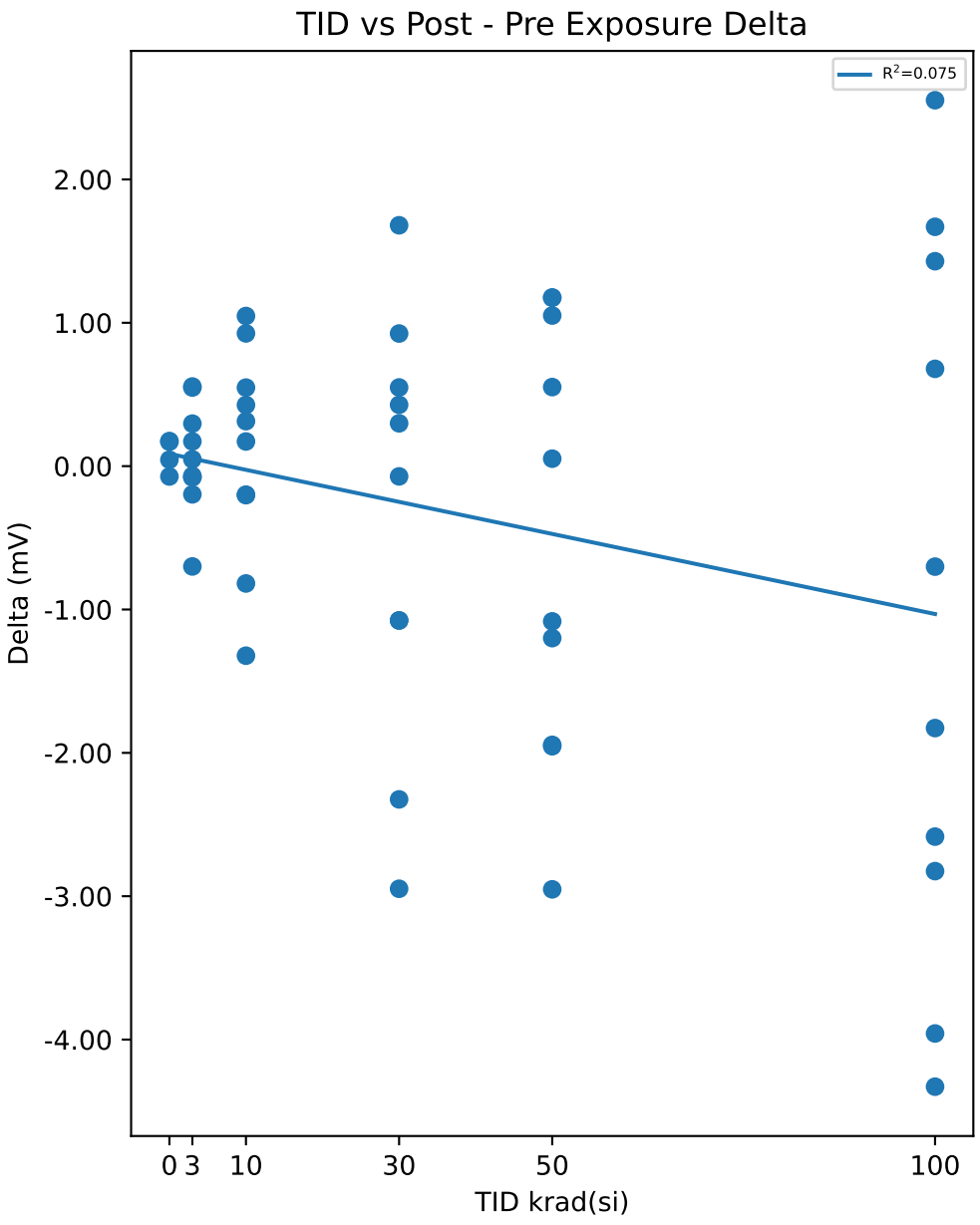
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	588.47	591.5	595.09	3.1739	588.64	591.58	595.27	3.1649	-0.0746	0.07965	0.178	0.11936
3	589.84	592.91	598.71	3.04	590.27	592.99	598.77	3.0861	-0.5767	0.08771	0.5554	0.40029
10	589.84	593.99	603.34	4.1908	590.27	594.08	603.9	4.0675	-1.322	0.08906	1.297	0.78315
30	591.72	593.74	596.34	1.8507	590.64	593.37	598.02	2.3435	-2.6978	-0.37406	1.6805	1.436
50	586.85	593.03	598.59	2.9999	585.89	592.49	596.39	3.2943	-2.9517	-0.53751	1.5498	1.6273
100	586.72	591.69	595.59	3.0409	584.01	590.67	597.27	4.5943	-4.5787	-1.027	2.4271	2.5477

Device Test: 13.37; VTH_SR_UVLO_FALL



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

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	490.91	490.83	-0.0776
3	3	Biased	499.16	499.09	-0.0674
4	3	Biased	491.54	491.46	-0.0769
5	3	Biased	495.66	495.46	-0.1968
6	3	Biased	490.16	490.46	0.2966
7	3	Unbiased	491.29	491.33	0.0478
8	3	Unbiased	497.16	497.71	0.5555
9	3	Unbiased	491.41	491.96	0.5483
10	3	Unbiased	490.91	491.08	0.1725
11	3	Unbiased	493.53	492.83	-0.6997
12	10	Unbiased	493.28	494.21	0.9259
13	10	Unbiased	491.04	491.58	0.5479
14	10	Unbiased	498.66	497.84	-0.8184
15	10	Unbiased	491.16	490.96	-0.2024
16	10	Unbiased	490.41	491.46	1.0474
17	10	Biased	494.03	494.46	0.4265
18	10	Biased	490.54	490.71	0.172
19	10	Biased	503.65	503.97	0.3136
20	10	Biased	494.03	493.84	-0.1988
21	10	Biased	495.91	494.59	-1.3222
22	30	Biased	494.41	492.08	-2.3246
23	30	Biased	492.54	491.46	-1.0762
24	30	Biased	496.03	493.08	-2.948
25	30	Biased	491.91	492.46	0.5489
26	30	Biased	492.29	491.21	-1.0765
27	30	Unbiased	492.66	493.59	0.9251
28	30	Unbiased	495.03	495.46	0.4278
29	30	Unbiased	496.28	497.96	1.6801
30	30	Unbiased	495.91	495.84	-0.0715
31	30	Unbiased	491.91	492.21	0.2987
32	50	Biased	498.66	496.71	-1.9441
33	50	Biased	490.79	488.83	-1.9539
34	50	Biased	493.91	492.71	-1.1996
35	50	Biased	487.29	486.21	-1.0828
36	50	Biased	492.79	489.83	-2.952
37	50	Unbiased	493.03	494.09	1.0506
39	50	Unbiased	494.66	494.71	0.0521
40	50	Unbiased	492.16	493.33	1.1746
41	50	Unbiased	494.03	494.59	0.5516
42	50	Unbiased	493.66	494.84	1.1766
43	100	Biased	492.16	490.33	-1.8271
44	100	Biased	494.28	491.46	-2.825
45	100	Biased	486.79	484.2	-2.5843
46	100	Biased	488.91	484.96	-3.9575
47	100	Biased	492.16	487.83	-4.3286
48	100	Unbiased	487.79	489.46	1.6695
49	100	Unbiased	495.66	496.34	0.6787
50	100	Unbiased	495.78	497.21	1.4294
51	100	Unbiased	492.54	491.83	-0.701
52	100	Unbiased	493.66	496.21	2.5524
53	0	Correlation	493.03	493.21	0.1751
54	0	Correlation	495.28	495.21	-0.0722
55	0	Correlation	489.29	489.46	0.1705
56	0	Correlation	488.79	488.83	0.0447

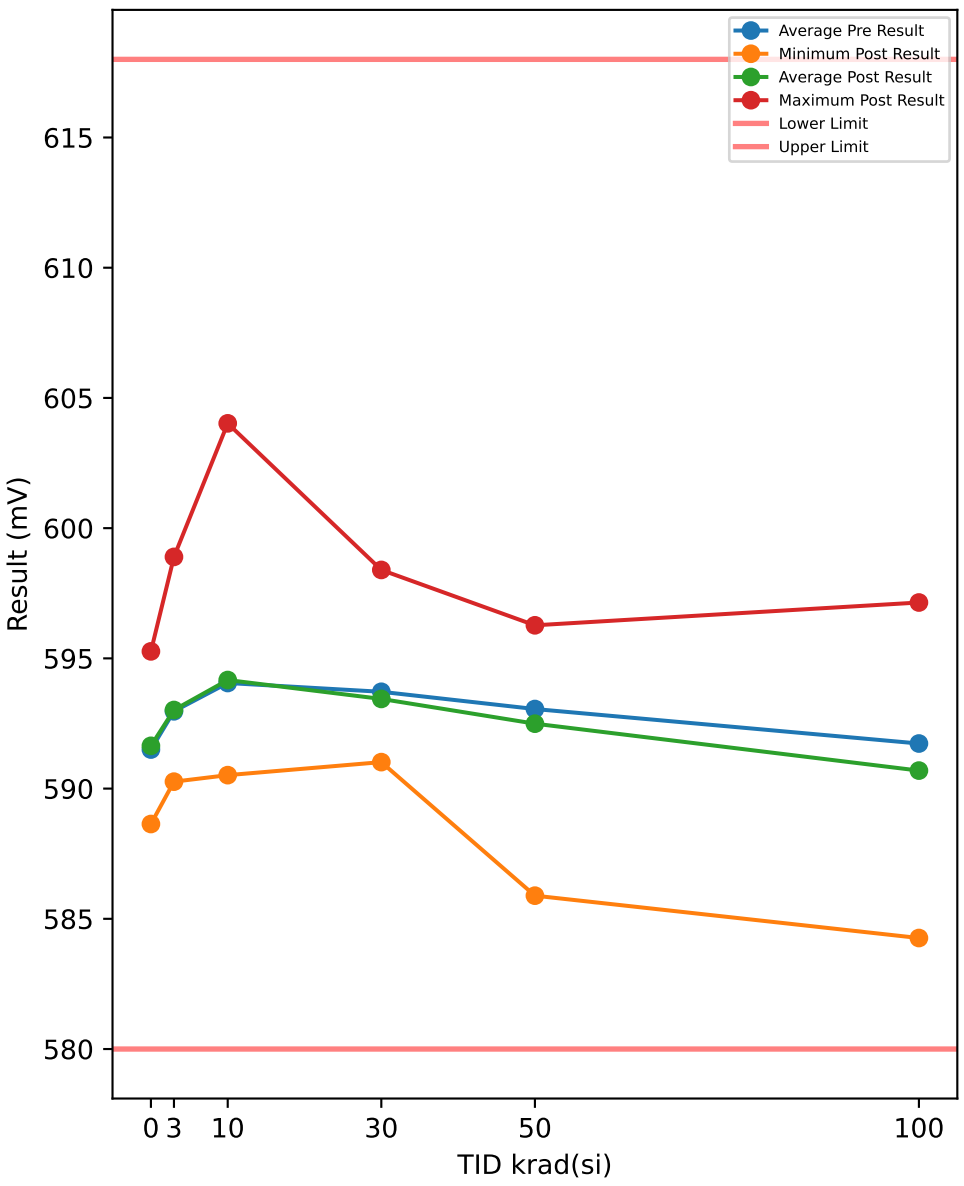


Test Statistics (mV)

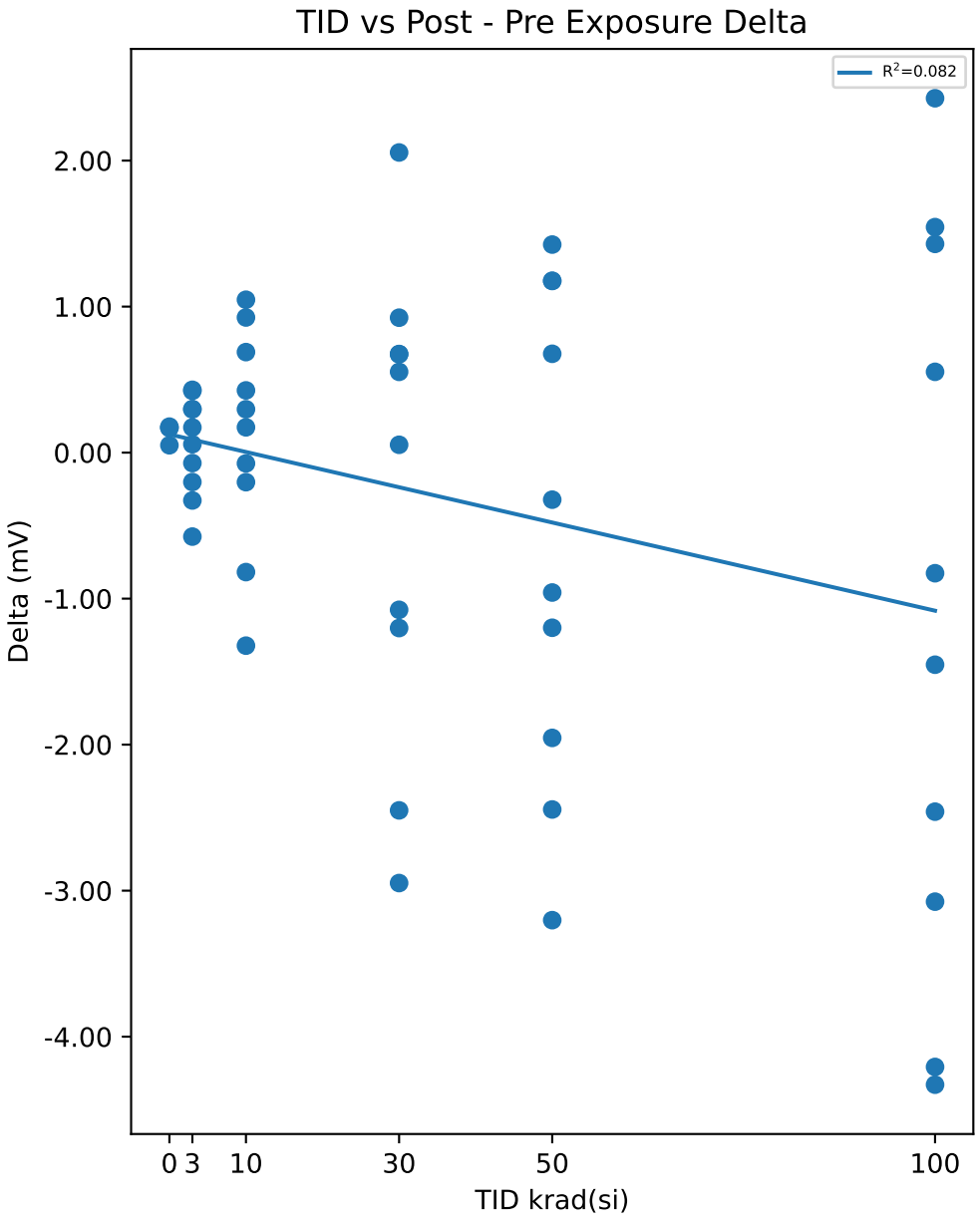
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	488.79	491.6	495.28	3.1028	488.83	491.68	495.21	3.0472	-0.0722	0.079525	0.1751	0.11782
3	490.16	493.17	499.16	3.1023	490.46	493.22	499.09	3.0899	-0.6997	0.05023	0.5555	0.3725
10	490.41	494.27	503.65	4.2162	490.71	494.36	503.97	4.0243	-1.3222	0.08915	1.0474	0.74412
30	491.91	493.9	496.28	1.8173	491.21	493.54	497.96	2.1999	-2.948	-0.36162	1.6801	1.4667
50	487.29	493.1	498.66	2.8915	486.21	492.58	496.71	3.2625	-2.952	-0.51269	1.1766	1.5081
100	486.79	491.97	495.78	3.1696	484.2	490.98	497.21	4.6033	-4.3286	-0.98935	2.5524	2.4699

Device Test: 13.39; VTH_SR_UVLO_RISE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



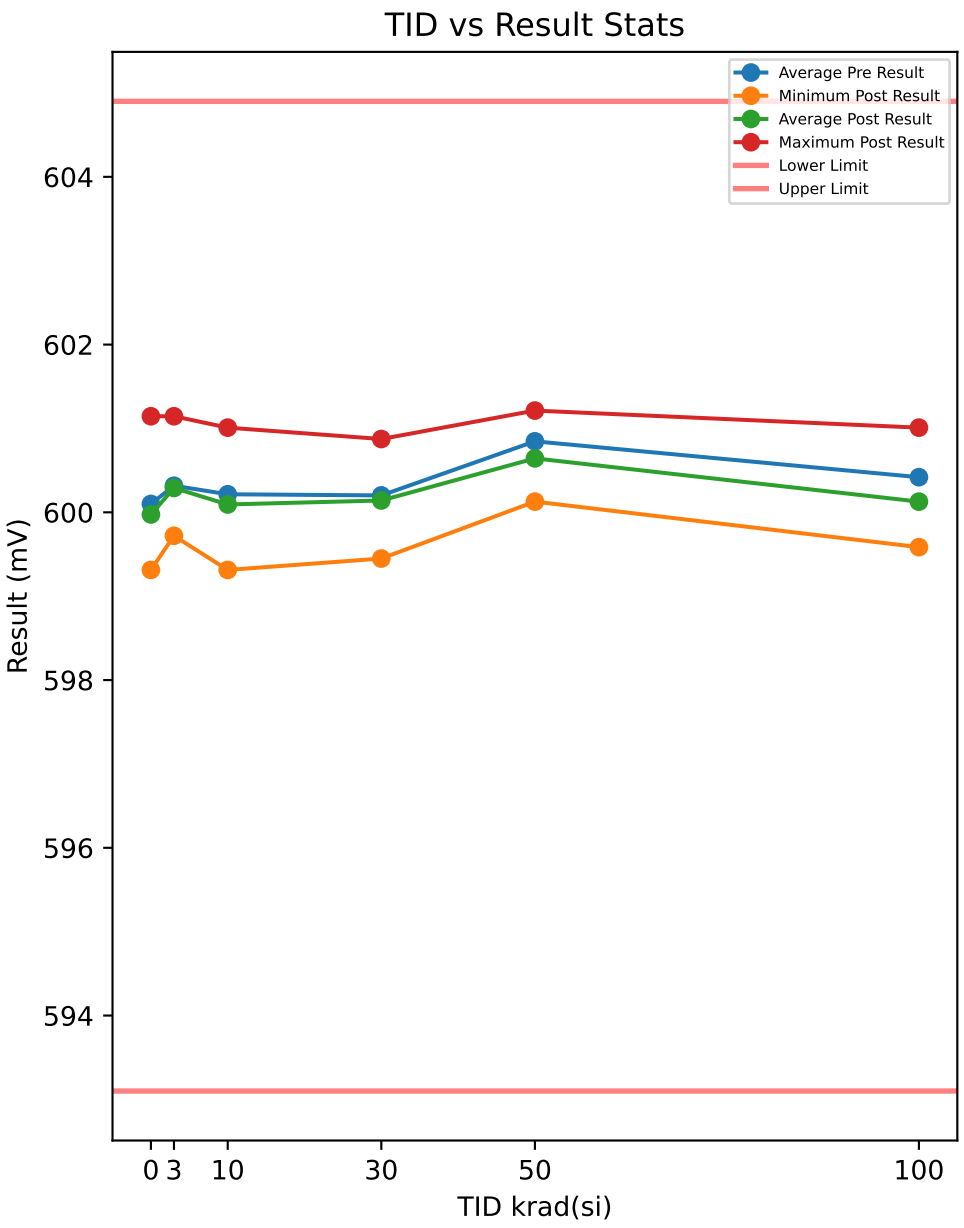
Test Results (Lower Limit = 580.0, Upper Limit = 618.0 (mV))

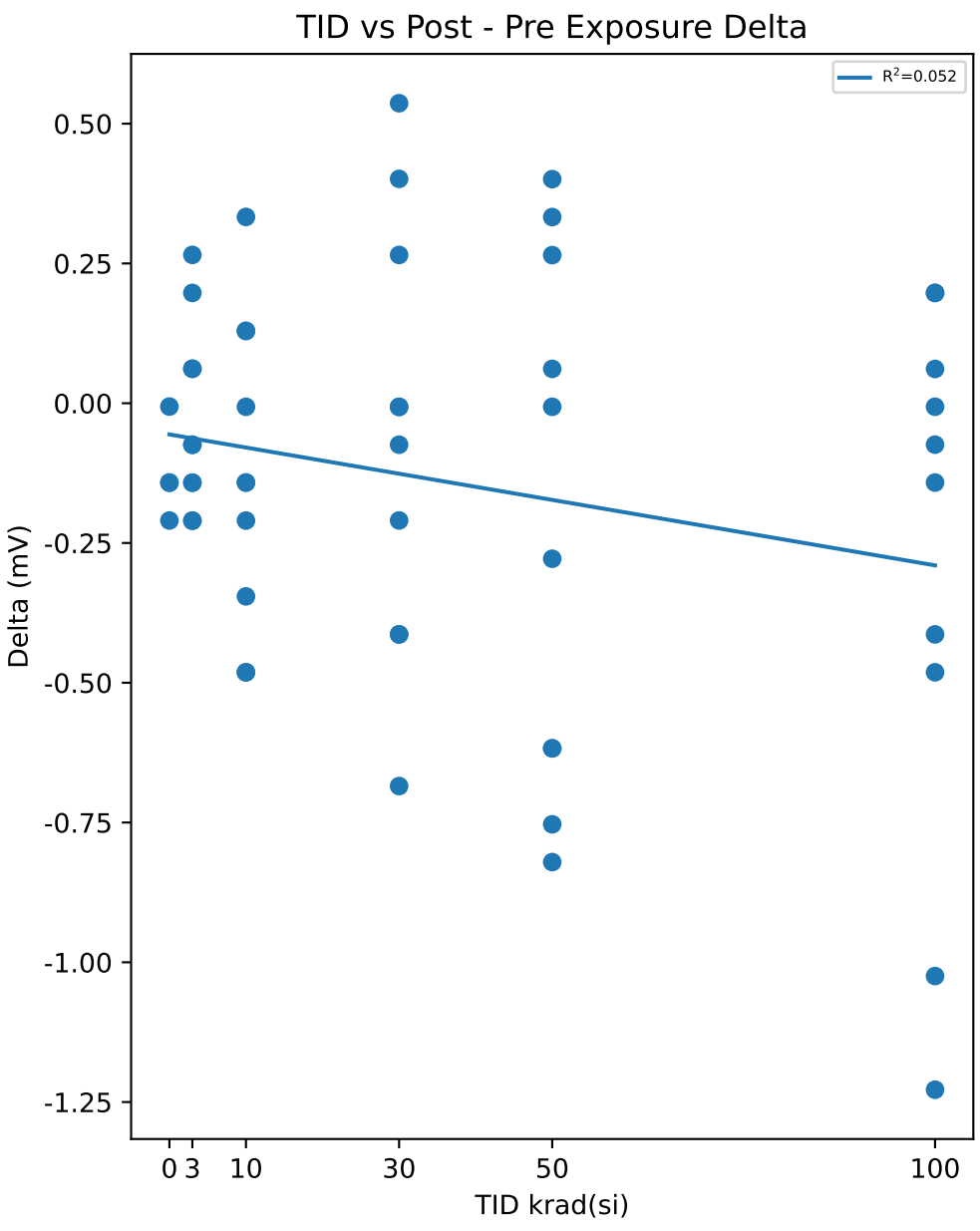
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	590.84	590.52	-0.3276
3	3	Biased	598.84	598.9	0.0576
4	3	Biased	591.72	591.52	-0.2014
5	3	Biased	595.59	595.52	-0.0716
6	3	Biased	589.97	590.27	0.2967
7	3	Unbiased	591.09	591.39	0.298
8	3	Unbiased	596.84	597.27	0.4303
9	3	Unbiased	591.09	591.52	0.4231
10	3	Unbiased	590.72	590.89	0.1725
11	3	Unbiased	592.97	592.39	-0.5751
12	10	Unbiased	592.84	593.77	0.9256
13	10	Unbiased	591.34	591.52	0.1733
14	10	Unbiased	598.59	597.77	-0.8182
15	10	Unbiased	591.09	590.89	-0.2023
16	10	Unbiased	589.97	591.02	1.0471
17	10	Biased	593.59	594.02	0.4262
18	10	Biased	590.22	590.52	0.297
19	10	Biased	603.34	604.02	0.6885
20	10	Biased	593.72	593.64	-0.0739
21	10	Biased	595.84	594.52	-1.322
22	30	Biased	593.84	591.39	-2.4501
23	30	Biased	592.22	591.02	-1.2014
24	30	Biased	595.84	592.89	-2.9479
25	30	Biased	591.72	592.64	0.9242
26	30	Biased	592.09	591.02	-1.0765
27	30	Unbiased	592.72	593.39	0.6753
28	30	Unbiased	595.09	595.64	0.5532
29	30	Unbiased	596.34	598.4	2.0556
30	30	Unbiased	595.72	595.77	0.0537
31	30	Unbiased	591.59	592.27	0.6739
32	50	Biased	598.71	596.27	-2.444
33	50	Biased	590.72	588.77	-1.9537
34	50	Biased	593.84	592.64	-1.1994
35	50	Biased	586.85	585.89	-0.958
36	50	Biased	592.72	589.52	-3.202
37	50	Unbiased	592.84	594.02	1.1757
39	50	Unbiased	595.09	594.77	-0.3222
40	50	Unbiased	592.09	593.52	1.4249
41	50	Unbiased	593.97	594.64	0.6769
42	50	Unbiased	593.72	594.89	1.1768
43	100	Biased	591.47	590.02	-1.4525
44	100	Biased	593.97	590.89	-3.0753
45	100	Biased	586.72	584.26	-2.459
46	100	Biased	588.97	584.76	-4.2073
47	100	Biased	591.72	587.39	-4.3288
48	100	Unbiased	587.72	589.27	1.5445
49	100	Unbiased	595.34	595.89	0.5534
50	100	Unbiased	595.72	597.15	1.4295
51	100	Unbiased	592.34	591.52	-0.826
52	100	Unbiased	593.34	595.77	2.4271
53	0	Correlation	593.09	593.14	0.0504
54	0	Correlation	595.09	595.27	0.178
55	0	Correlation	589.34	589.52	0.1708
56	0	Correlation	588.47	588.64	0.1697

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	588.47	591.5	595.09	3.1227	588.64	591.64	595.27	3.1059	0.0504	0.14222	0.178	0.061327
3	589.97	592.97	598.84	3.0456	590.27	593.02	598.9	3.0693	-0.5751	0.05025	0.4303	0.33872
10	589.97	594.05	603.34	4.2058	590.52	594.17	604.02	4.106	-1.322	0.11413	1.0471	0.74984
30	591.59	593.72	596.34	1.876	591.02	593.44	598.4	2.4289	-2.9479	-0.274	2.0556	1.5932
50	586.85	593.05	598.71	3.0394	585.89	592.49	596.27	3.3268	-3.202	-0.5625	1.4249	1.6531
100	586.72	591.73	595.72	3.0866	584.26	590.69	597.15	4.535	-4.3288	-1.0394	2.4271	2.4621

Device Test: 13.4; VTH_SENSE





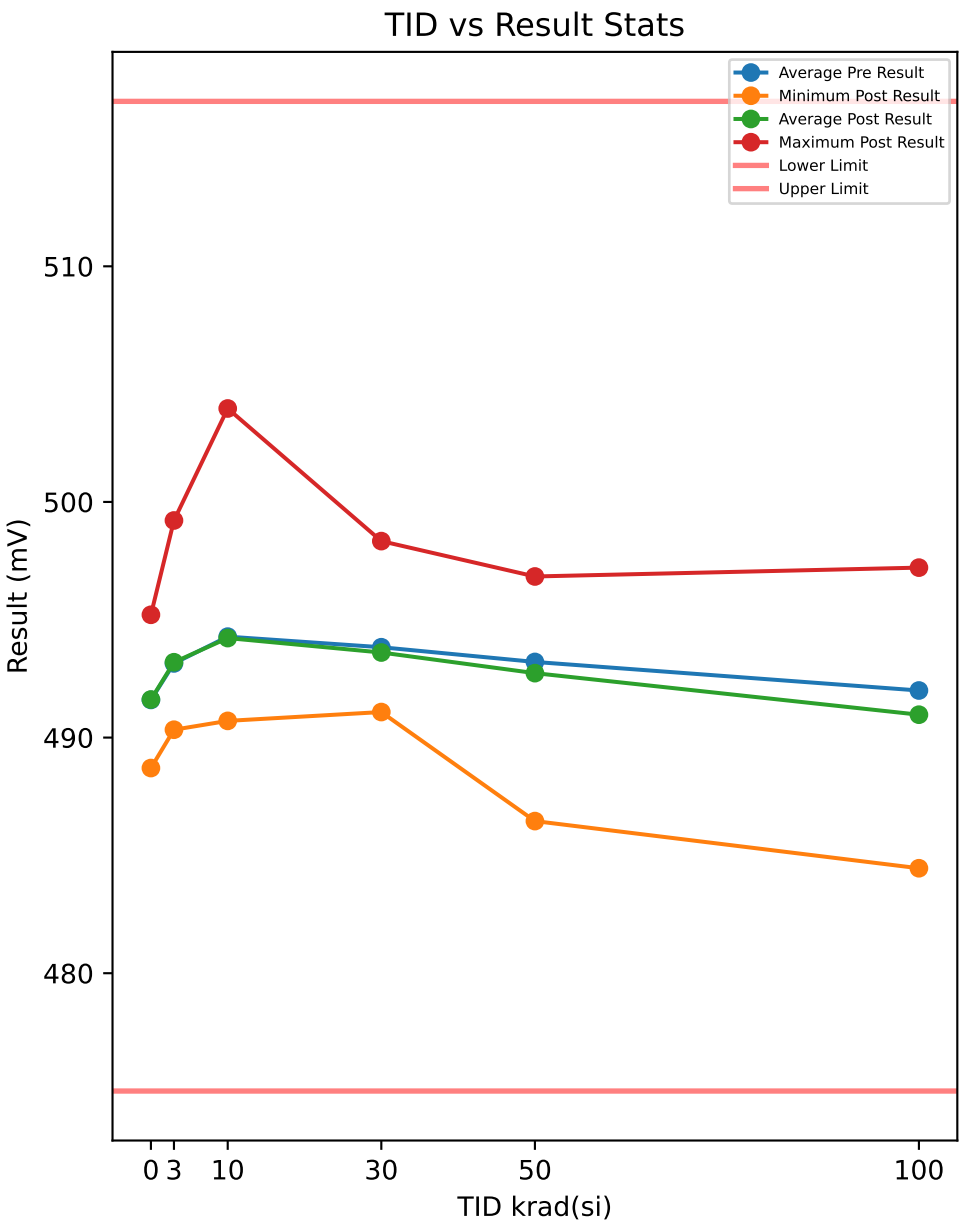
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

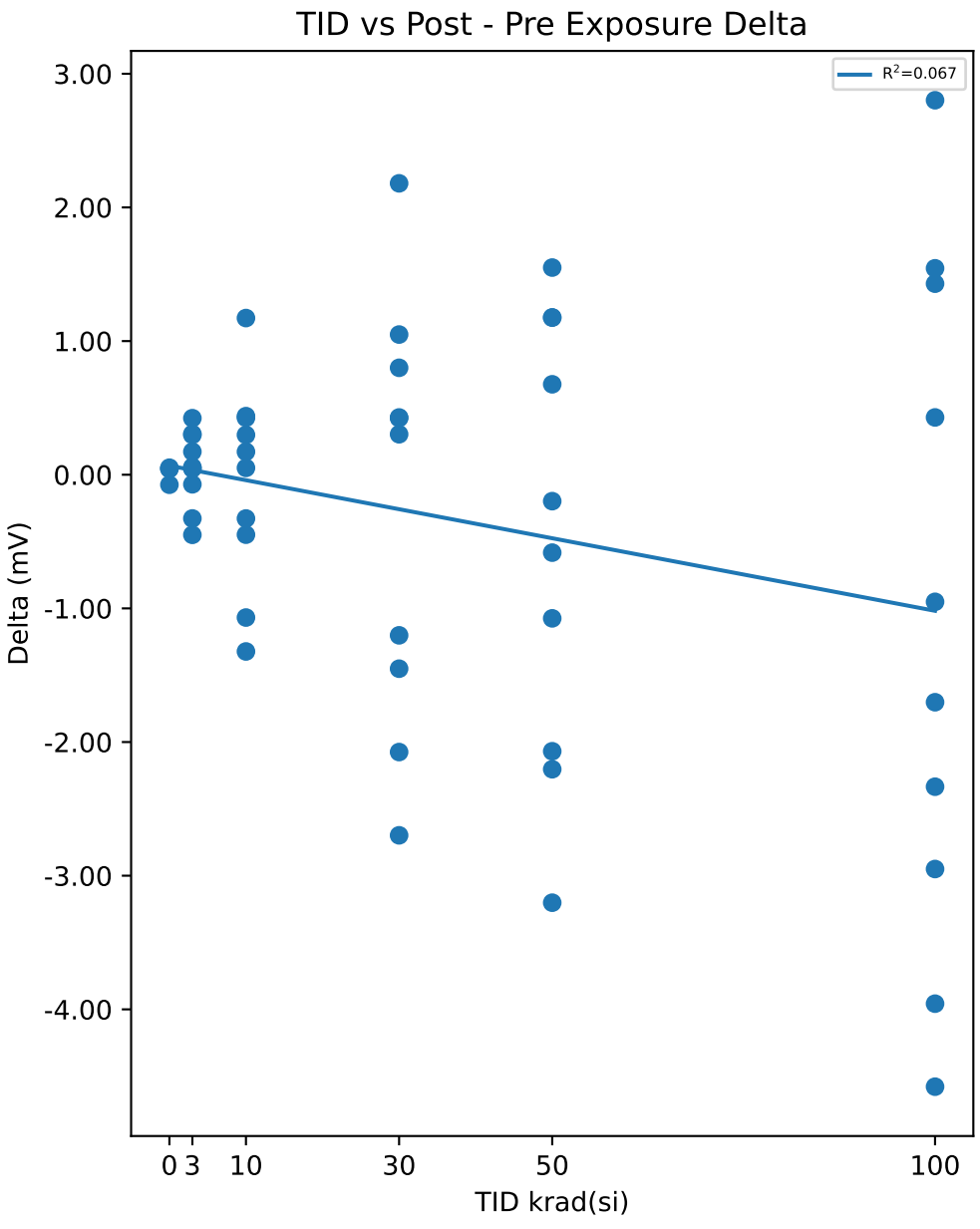
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.2	600.4	0.1973
3	3	Biased	600	600.06	0.0616
4	3	Biased	601.36	601.15	-0.2103
5	3	Biased	600.88	600.74	-0.1422
6	3	Biased	601.02	600.94	-0.0745
7	3	Unbiased	600.07	599.99	-0.074
8	3	Unbiased	600	599.86	-0.142
9	3	Unbiased	599.66	599.72	0.0617
10	3	Unbiased	600.41	600.2	-0.2099
11	3	Unbiased	599.59	599.86	0.2653
12	10	Unbiased	600.07	600.2	0.1295
13	10	Unbiased	600.13	599.99	-0.1419
14	10	Unbiased	600.47	600.47	-0.0064
15	10	Unbiased	600.88	600.4	-0.4815
16	10	Unbiased	599.46	599.79	0.3332
17	10	Biased	599.79	599.31	-0.4811
18	10	Biased	600.13	599.99	-0.1419
19	10	Biased	600.88	601.01	0.1292
20	10	Biased	600.07	599.72	-0.3455
21	10	Biased	600.27	600.06	-0.2099
22	30	Biased	600.13	599.72	-0.4134
23	30	Biased	600.27	600.2	-0.0742
24	30	Biased	600.13	599.45	-0.6848
25	30	Biased	600.13	600.4	0.2652
26	30	Biased	600.68	600.67	-0.0065
27	30	Unbiased	599.79	599.58	-0.2097
28	30	Unbiased	600.88	600.87	-0.0065
29	30	Unbiased	600.13	600.67	0.5366
30	30	Unbiased	600.74	600.33	-0.4136
31	30	Unbiased	599.12	599.52	0.4013
32	50	Biased	601.49	600.74	-0.7532
33	50	Biased	600.81	600.2	-0.6172
34	50	Biased	600.47	600.47	-0.0064
35	50	Biased	600.2	600.53	0.333
36	50	Biased	601.08	600.47	-0.6174
37	50	Unbiased	600.95	600.13	-0.8208
39	50	Unbiased	601.49	601.21	-0.2782
40	50	Unbiased	600.27	600.67	0.4008
41	50	Unbiased	600.81	600.87	0.0614
42	50	Unbiased	600.88	601.15	0.2649
43	100	Biased	599.66	599.86	0.1974
44	100	Biased	600.2	599.72	-0.4813
45	100	Biased	600.2	600.2	-0.0063
46	100	Biased	600.81	599.58	-1.2279
47	100	Biased	600.54	600.13	-0.4135
48	100	Unbiased	601.56	600.53	-1.0246
49	100	Unbiased	600.27	600.47	0.1972
50	100	Unbiased	600.95	601.01	0.0613
51	100	Unbiased	600.13	600.06	-0.0741
52	100	Unbiased	599.86	599.72	-0.1419
53	0	Correlation	599.46	599.31	-0.1417
54	0	Correlation	600.34	600.13	-0.2098
55	0	Correlation	601.29	601.15	-0.1424
56	0	Correlation	599.32	599.31	-0.006

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	599.32	600.1	601.29	0.91155	599.31	599.97	601.15	0.86964	-0.2098	-0.12497	-0.006	0.085506
3	599.59	600.32	601.36	0.59008	599.72	600.29	601.15	0.49679	-0.2103	-0.0267	0.2653	0.16649
10	599.46	600.22	600.88	0.44317	599.31	600.09	601.01	0.46493	-0.4815	-0.12163	0.3332	0.27154
30	599.12	600.2	600.88	0.51099	599.45	600.14	600.87	0.53315	-0.6848	-0.06056	0.5366	0.38631
50	600.2	600.85	601.49	0.44601	600.13	600.64	601.21	0.36219	-0.8208	-0.20331	0.4008	0.4729
100	599.66	600.42	601.56	0.56139	599.58	600.13	601.01	0.44324	-1.2279	-0.29137	0.1974	0.49649

Device Test: 13.40; VTH_SR_UVLO_FALL





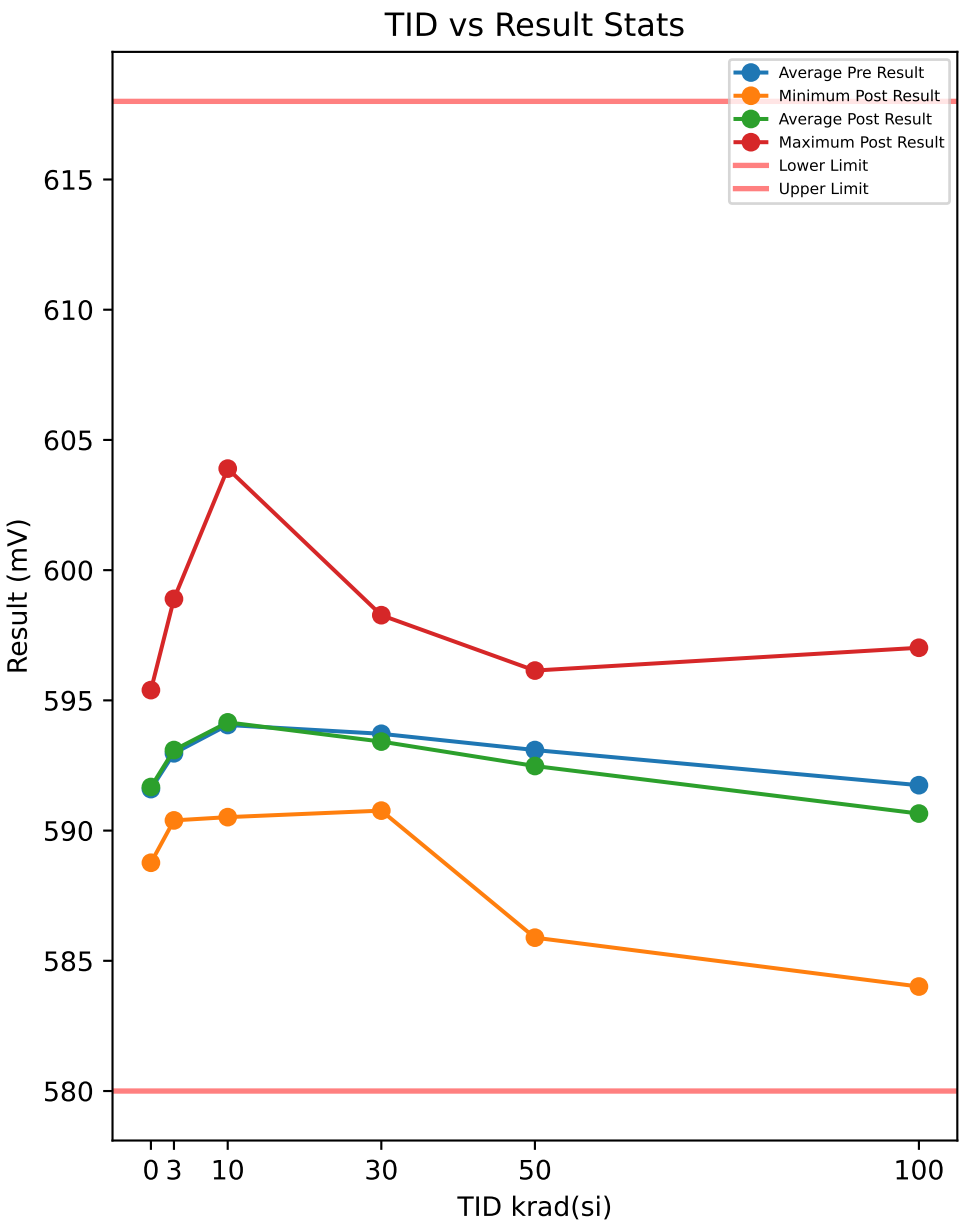
Test Results (Lower Limit = 475.0, Upper Limit = 517.0 (mV))

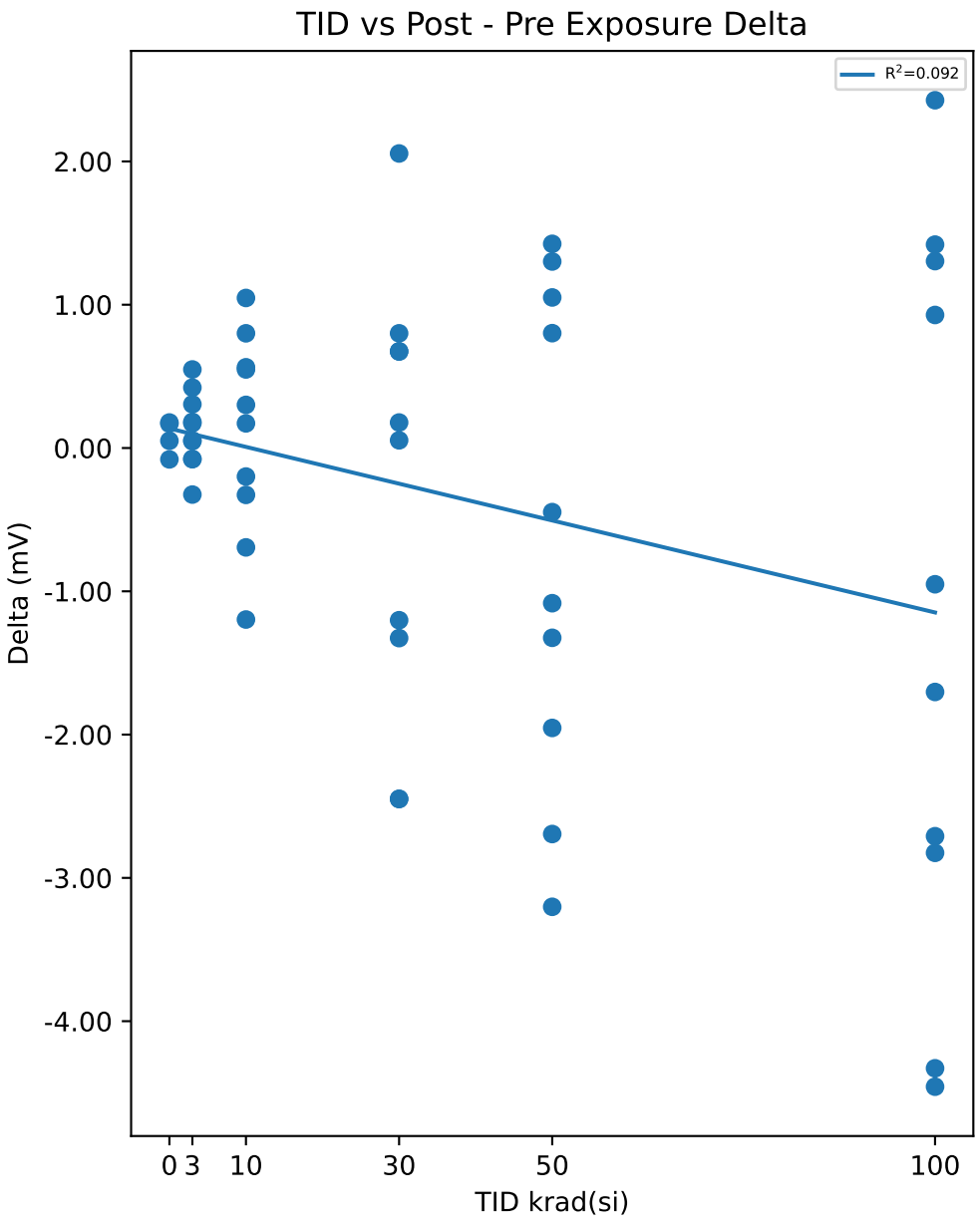
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	490.91	490.96	0.0474
3	3	Biased	499.16	499.21	0.0577
4	3	Biased	491.41	491.08	-0.3272
5	3	Biased	495.66	495.59	-0.0717
6	3	Biased	490.29	490.33	0.0467
7	3	Unbiased	491.16	491.46	0.2979
8	3	Unbiased	497.16	497.46	0.3054
9	3	Unbiased	491.41	491.83	0.4232
10	3	Unbiased	490.91	491.08	0.1725
11	3	Unbiased	493.41	492.96	-0.4497
12	10	Unbiased	493.53	493.96	0.426
13	10	Unbiased	491.16	491.46	0.2979
14	10	Unbiased	498.66	497.59	-1.0685
15	10	Unbiased	491.16	490.83	-0.3274
16	10	Unbiased	490.29	491.46	1.1723
17	10	Biased	493.91	493.96	0.0512
18	10	Biased	490.54	490.71	0.172
19	10	Biased	503.53	503.97	0.4385
20	10	Biased	494.28	493.84	-0.4486
21	10	Biased	495.78	494.46	-1.3223
22	30	Biased	494.03	491.96	-2.0749
23	30	Biased	492.79	491.33	-1.4512
24	30	Biased	495.91	493.21	-2.698
25	30	Biased	491.66	492.71	1.0489
26	30	Biased	492.29	491.08	-1.2016
27	30	Unbiased	492.66	493.46	0.8001
28	30	Unbiased	495.16	495.46	0.3028
29	30	Unbiased	496.16	498.34	2.1802
30	30	Unbiased	495.53	495.96	0.4284
31	30	Unbiased	492.16	492.58	0.4242
32	50	Biased	498.91	496.84	-2.0689
33	50	Biased	491.16	488.96	-2.2035
34	50	Biased	493.91	492.83	-1.0745
35	50	Biased	487.04	486.46	-0.5829
36	50	Biased	492.91	489.71	-3.202
37	50	Unbiased	493.03	494.21	1.1757
39	50	Unbiased	494.91	494.71	-0.1977
40	50	Unbiased	492.29	493.84	1.55
41	50	Unbiased	494.03	494.71	0.6767
42	50	Unbiased	493.91	495.09	1.1768
43	100	Biased	492.16	490.46	-1.7021
44	100	Biased	494.28	491.33	-2.9501
45	100	Biased	486.79	484.45	-2.3342
46	100	Biased	488.91	484.96	-3.9575
47	100	Biased	492.16	487.58	-4.5787
48	100	Unbiased	487.91	489.46	1.5445
49	100	Unbiased	495.91	496.34	0.4288
50	100	Unbiased	495.78	497.21	1.4294
51	100	Unbiased	492.79	491.83	-0.9509
52	100	Unbiased	493.28	496.09	2.802
53	0	Correlation	493.16	493.08	-0.0749
54	0	Correlation	495.16	495.21	0.0527
55	0	Correlation	489.41	489.46	0.0456
56	0	Correlation	488.66	488.71	0.0446

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	488.66	491.6	495.16	3.0827	488.71	491.62	495.21	3.066	-0.0749	0.017	0.0527	0.061373
3	490.29	493.15	499.16	3.1039	490.33	493.2	499.21	3.1123	-0.4497	0.05022	0.4232	0.27645
10	490.29	494.28	503.53	4.1772	490.71	494.22	503.97	4.0237	-1.3223	-0.06089	1.1723	0.74763
30	491.66	493.83	496.16	1.7251	491.08	493.61	498.34	2.3008	-2.698	-0.22411	2.1802	1.5485
50	487.04	493.21	498.91	2.9859	486.46	492.73	496.84	3.2731	-3.202	-0.47503	1.55	1.6429
100	486.79	492	495.91	3.1711	484.45	490.97	497.21	4.5641	-4.5787	-1.0269	2.802	2.5055

Device Test: 13.42; VTH_SR_UVLO_RISE





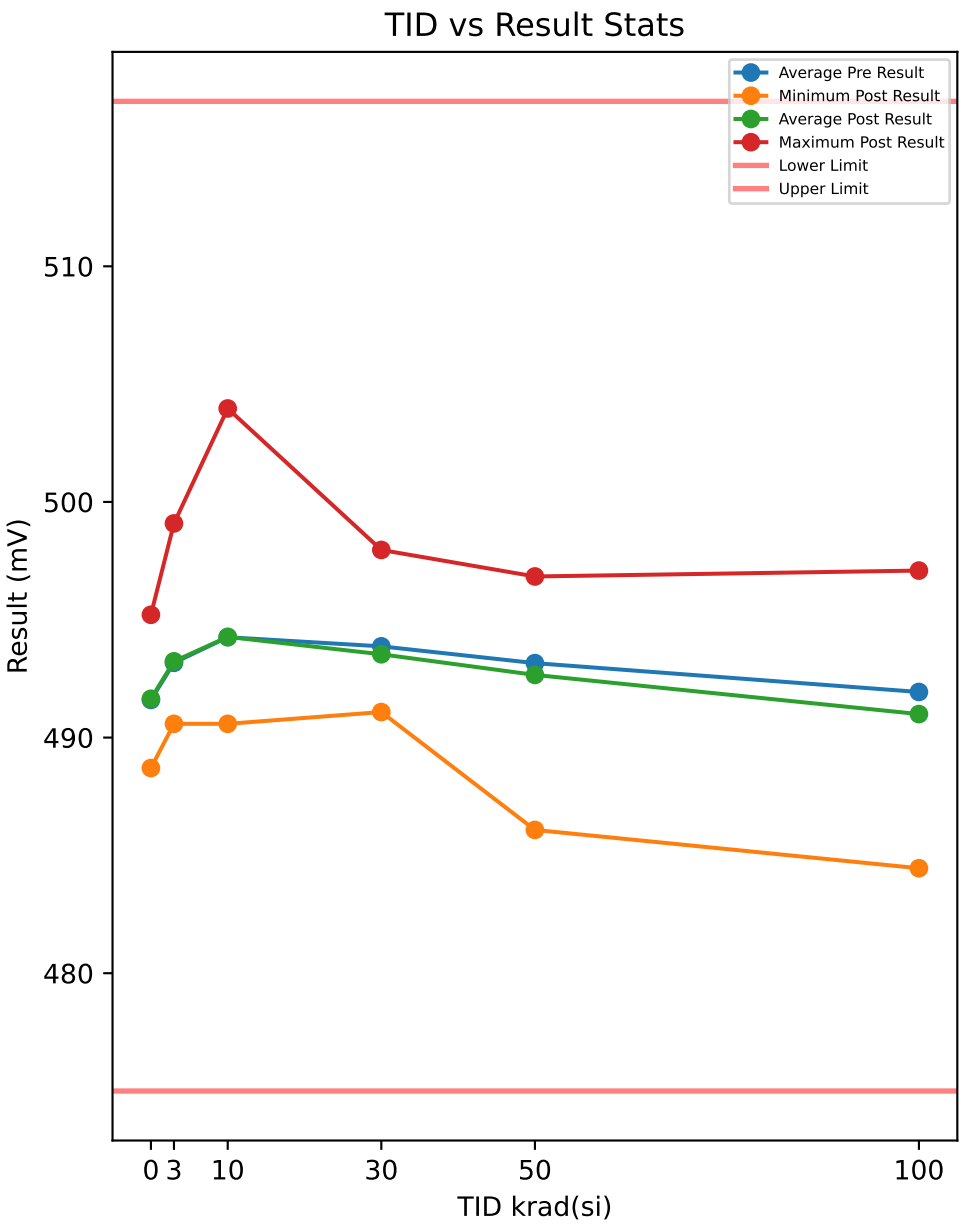
Test Results (Lower Limit = 580.0, Upper Limit = 618.0 (mV))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	590.72	590.64	-0.0777
3	3	Biased	598.71	598.9	0.1825
4	3	Biased	591.59	591.52	-0.0765
5	3	Biased	595.47	595.52	0.0534
6	3	Biased	589.97	590.39	0.4217
7	3	Unbiased	591.22	591.39	0.1731
8	3	Unbiased	596.96	597.27	0.3054
9	3	Unbiased	591.09	591.64	0.5482
10	3	Unbiased	590.84	590.89	0.0476
11	3	Unbiased	593.09	592.77	-0.3248
12	10	Unbiased	592.84	593.64	0.8005
13	10	Unbiased	591.22	591.77	0.5483
14	10	Unbiased	598.34	597.65	-0.6935
15	10	Unbiased	591.22	590.89	-0.3272
16	10	Unbiased	590.09	591.14	1.0472
17	10	Biased	593.59	593.89	0.3011
18	10	Biased	590.34	590.52	0.172
19	10	Biased	603.34	603.9	0.5635
20	10	Biased	593.72	593.52	-0.199
21	10	Biased	595.84	594.64	-1.1969
22	30	Biased	593.97	591.52	-2.4499
23	30	Biased	592.22	590.89	-1.3265
24	30	Biased	595.59	593.14	-2.448
25	30	Biased	591.97	592.64	0.6743
26	30	Biased	591.97	590.77	-1.2017
27	30	Unbiased	592.84	593.64	0.8005
28	30	Unbiased	595.09	595.27	0.178
29	30	Unbiased	596.22	598.27	2.0555
30	30	Unbiased	595.72	595.77	0.0537
31	30	Unbiased	591.59	592.27	0.6739
32	50	Biased	598.84	596.14	-2.6939
33	50	Biased	590.97	589.02	-1.9534
34	50	Biased	593.84	592.52	-1.3245
35	50	Biased	586.97	585.89	-1.083
36	50	Biased	592.84	589.64	-3.2018
37	50	Unbiased	592.97	594.02	1.0508
39	50	Unbiased	595.09	594.64	-0.4473
40	50	Unbiased	592.09	593.52	1.4249
41	50	Unbiased	593.72	594.52	0.8016
42	50	Unbiased	593.59	594.89	1.3017
43	100	Biased	591.59	589.89	-1.7025
44	100	Biased	593.84	591.02	-2.8253
45	100	Biased	586.72	584.01	-2.7092
46	100	Biased	589.1	584.64	-4.4572
47	100	Biased	591.72	587.39	-4.3288
48	100	Unbiased	587.85	589.27	1.4195
49	100	Unbiased	595.09	596.02	0.9285
50	100	Unbiased	595.72	597.02	1.3044
51	100	Unbiased	592.47	591.52	-0.9509
52	100	Unbiased	593.34	595.77	2.4271
53	0	Correlation	593.22	593.27	0.0505
54	0	Correlation	595.22	595.39	0.1781
55	0	Correlation	589.34	589.27	-0.0794
56	0	Correlation	588.6	588.77	0.1699

Test Statistics (mV)

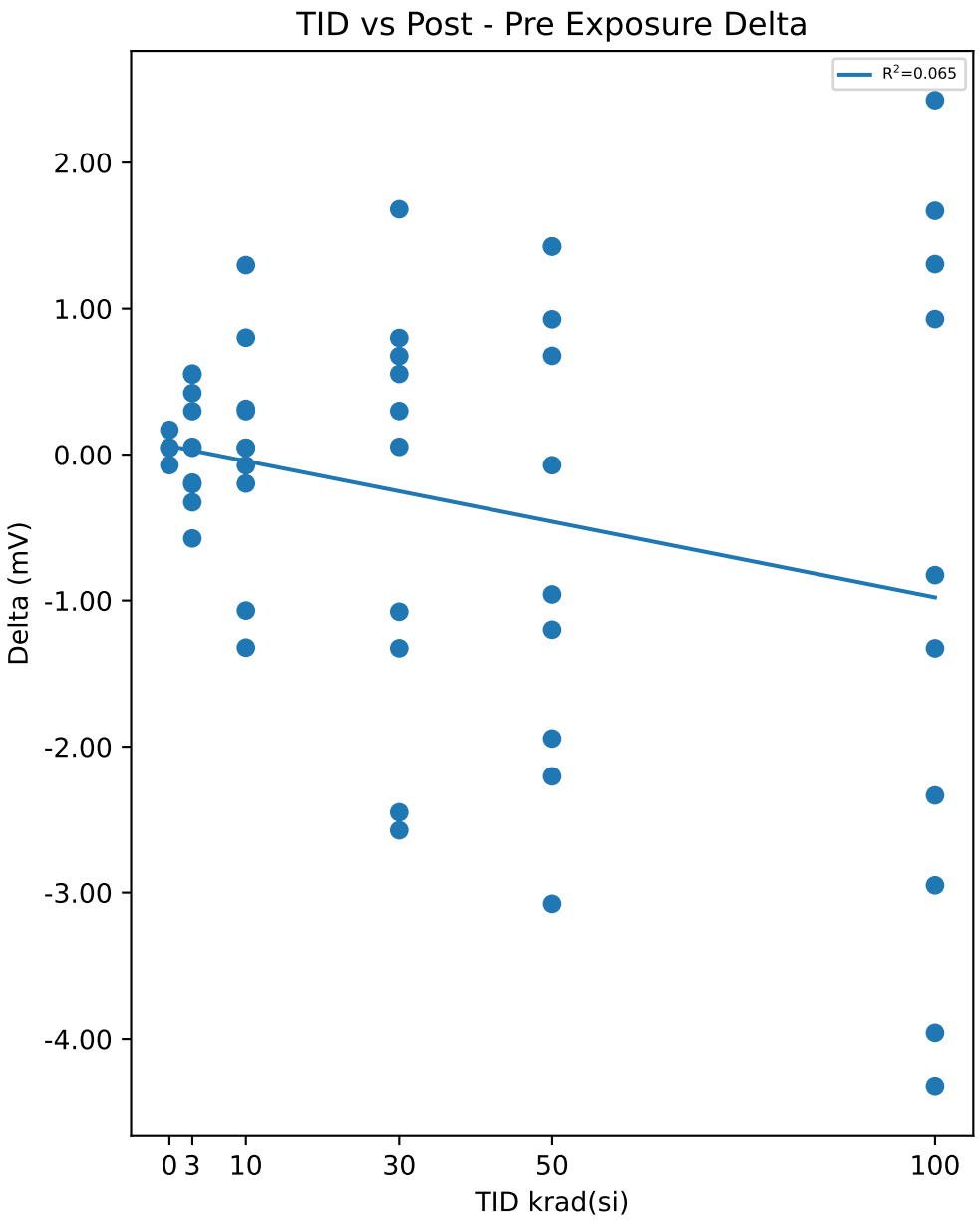
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	588.6	591.59	595.22	3.1519	588.77	591.67	595.39	3.1959	-0.0794	0.079775	0.1781	0.12108
3	589.97	592.97	598.71	3.0233	590.39	593.09	598.9	3.0324	-0.3248	0.12529	0.5482	0.25829
10	590.09	594.05	603.34	4.1501	590.52	594.16	603.9	4.0384	-1.1969	0.1016	1.0472	0.70181
30	591.59	593.72	596.22	1.8054	590.77	593.42	598.27	2.3941	-2.4499	-0.29902	2.0555	1.4949
50	586.97	593.09	598.84	3.0049	585.89	592.48	596.14	3.2498	-3.2018	-0.61249	1.4249	1.7053
100	586.72	591.74	595.72	3.0169	584.01	590.65	597.02	4.5926	-4.4572	-1.0894	2.4271	2.5018

Device Test: 13.43; VTH_SR_UVLO_FALL



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

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	490.91	490.71	-0.2027
3	3	Biased	499.28	499.09	-0.1923
4	3	Biased	491.54	491.21	-0.327
5	3	Biased	495.66	495.71	0.0534
6	3	Biased	490.16	490.58	0.4217
7	3	Unbiased	491.16	491.46	0.2979
8	3	Unbiased	497.16	497.71	0.5555
9	3	Unbiased	491.41	491.96	0.5483
10	3	Unbiased	490.91	490.96	0.0474
11	3	Unbiased	493.53	492.96	-0.5746
12	10	Unbiased	493.41	494.21	0.801
13	10	Unbiased	491.16	491.46	0.2979
14	10	Unbiased	498.66	497.59	-1.0685
15	10	Unbiased	490.91	490.96	0.0474
16	10	Unbiased	490.29	491.58	1.2974
17	10	Biased	493.91	493.84	-0.0739
18	10	Biased	490.54	490.58	0.0469
19	10	Biased	503.65	503.97	0.3136
20	10	Biased	494.16	493.96	-0.1986
21	10	Biased	495.91	494.59	-1.3222
22	30	Biased	494.28	491.83	-2.4498
23	30	Biased	492.54	491.21	-1.3263
24	30	Biased	495.78	493.21	-2.573
25	30	Biased	491.79	492.58	0.799
26	30	Biased	492.16	491.08	-1.0767
27	30	Unbiased	492.91	493.59	0.6752
28	30	Unbiased	495.03	495.59	0.5529
29	30	Unbiased	496.28	497.96	1.6801
30	30	Unbiased	495.91	495.96	0.0536
31	30	Unbiased	492.04	492.33	0.2989
32	50	Biased	498.78	496.84	-1.9439
33	50	Biased	491.16	488.96	-2.2035
34	50	Biased	493.78	492.58	-1.1997
35	50	Biased	487.04	486.08	-0.9581
36	50	Biased	492.91	489.83	-3.0769
37	50	Unbiased	492.91	494.34	1.4257
39	50	Unbiased	494.91	494.84	-0.0726
40	50	Unbiased	492.16	493.59	1.4247
41	50	Unbiased	493.91	494.84	0.9267
42	50	Unbiased	494.03	494.71	0.6767
43	100	Biased	492.16	490.83	-1.3268
44	100	Biased	494.28	491.33	-2.9501
45	100	Biased	486.79	484.45	-2.3342
46	100	Biased	488.91	484.96	-3.9575
47	100	Biased	492.16	487.83	-4.3286
48	100	Unbiased	487.79	489.46	1.6695
49	100	Unbiased	495.41	496.34	0.9285
50	100	Unbiased	495.78	497.09	1.3043
51	100	Unbiased	492.54	491.71	-0.826
52	100	Unbiased	493.53	495.96	2.4271
53	0	Correlation	493.16	493.21	0.0502
54	0	Correlation	495.28	495.21	-0.0722
55	0	Correlation	489.41	489.46	0.0456
56	0	Correlation	488.54	488.71	0.1695

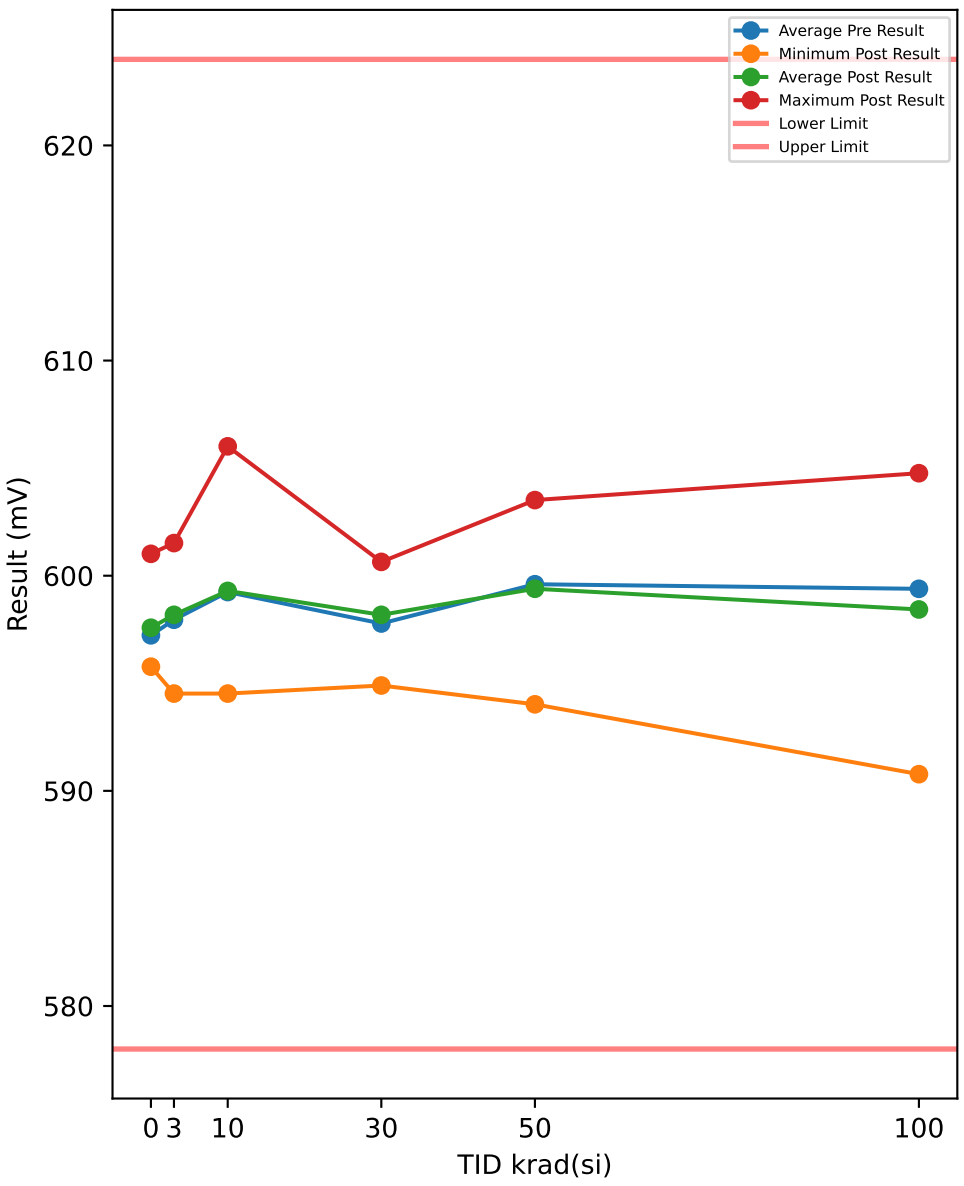


Test Statistics (mV)

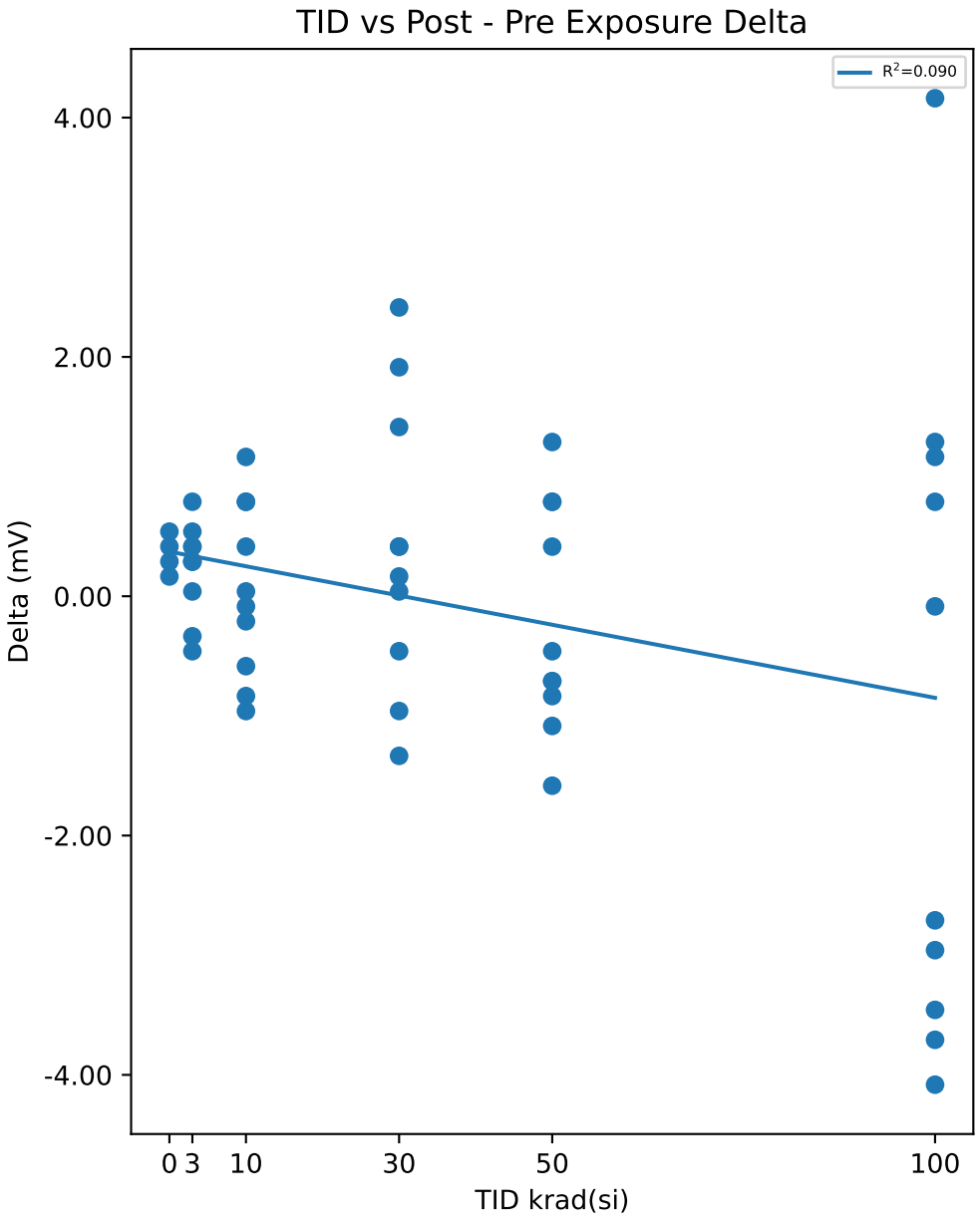
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	488.54	491.6	495.28	3.1709	488.71	491.65	495.21	3.0865	-0.0722	0.048275	0.1695	0.098692
3	490.16	493.17	499.28	3.1378	490.58	493.23	499.09	3.127	-0.5746	0.06276	0.5555	0.38825
10	490.29	494.26	503.65	4.2372	490.58	494.27	503.97	4.015	-1.3222	0.0141	1.2974	0.77812
30	491.79	493.87	496.28	1.7793	491.08	493.54	497.96	2.2722	-2.573	-0.33661	1.6801	1.4423
50	487.04	493.16	498.78	2.9619	486.08	492.66	496.84	3.3296	-3.0769	-0.50009	1.4257	1.6105
100	486.79	491.94	495.78	3.1308	484.45	491	497.09	4.5042	-4.3286	-0.93938	2.4271	2.4361

Device Test: 13.45; VTH_WDI_RISE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



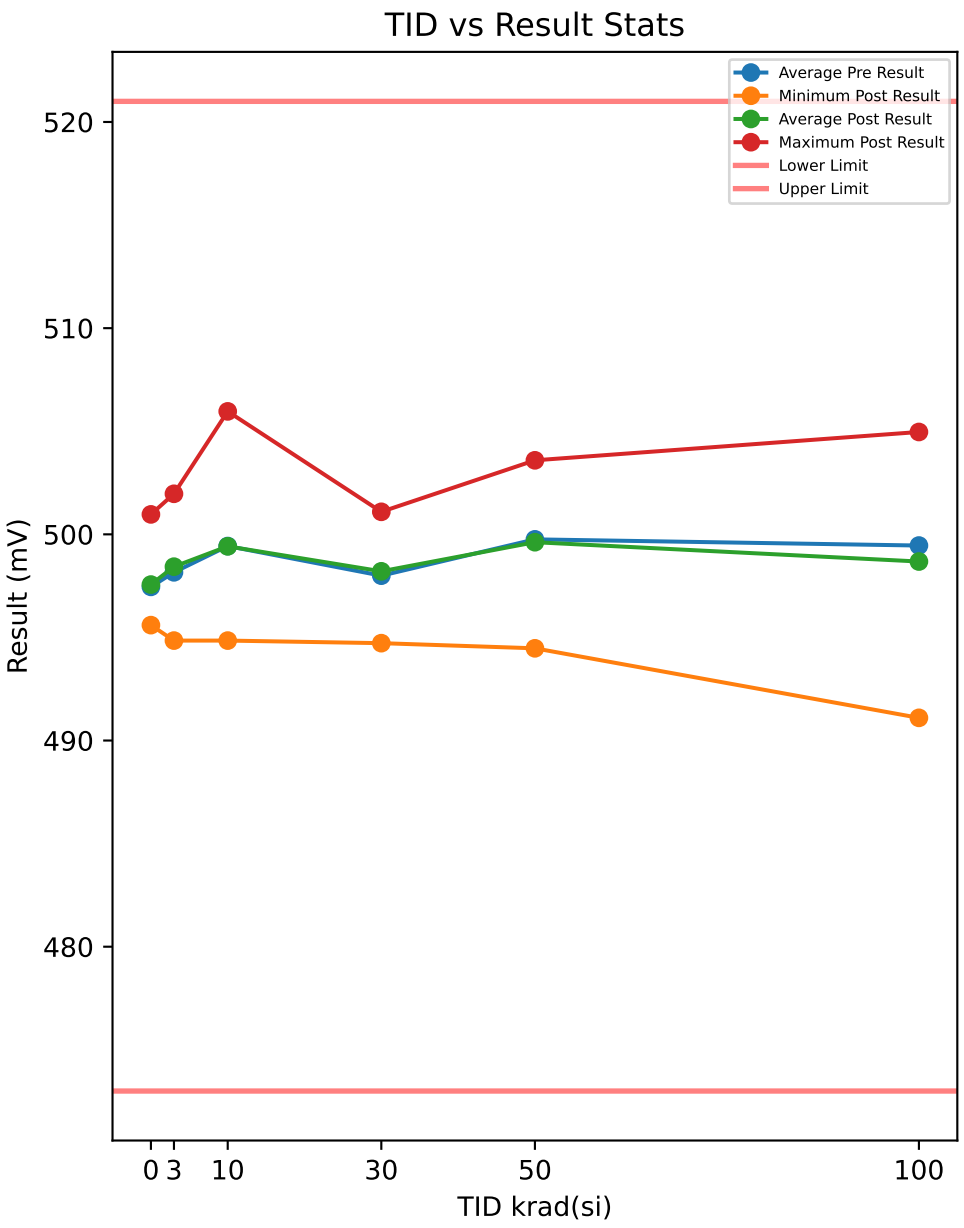
Test Results (Lower Limit = 578.0, Upper Limit = 624.0 (mV))

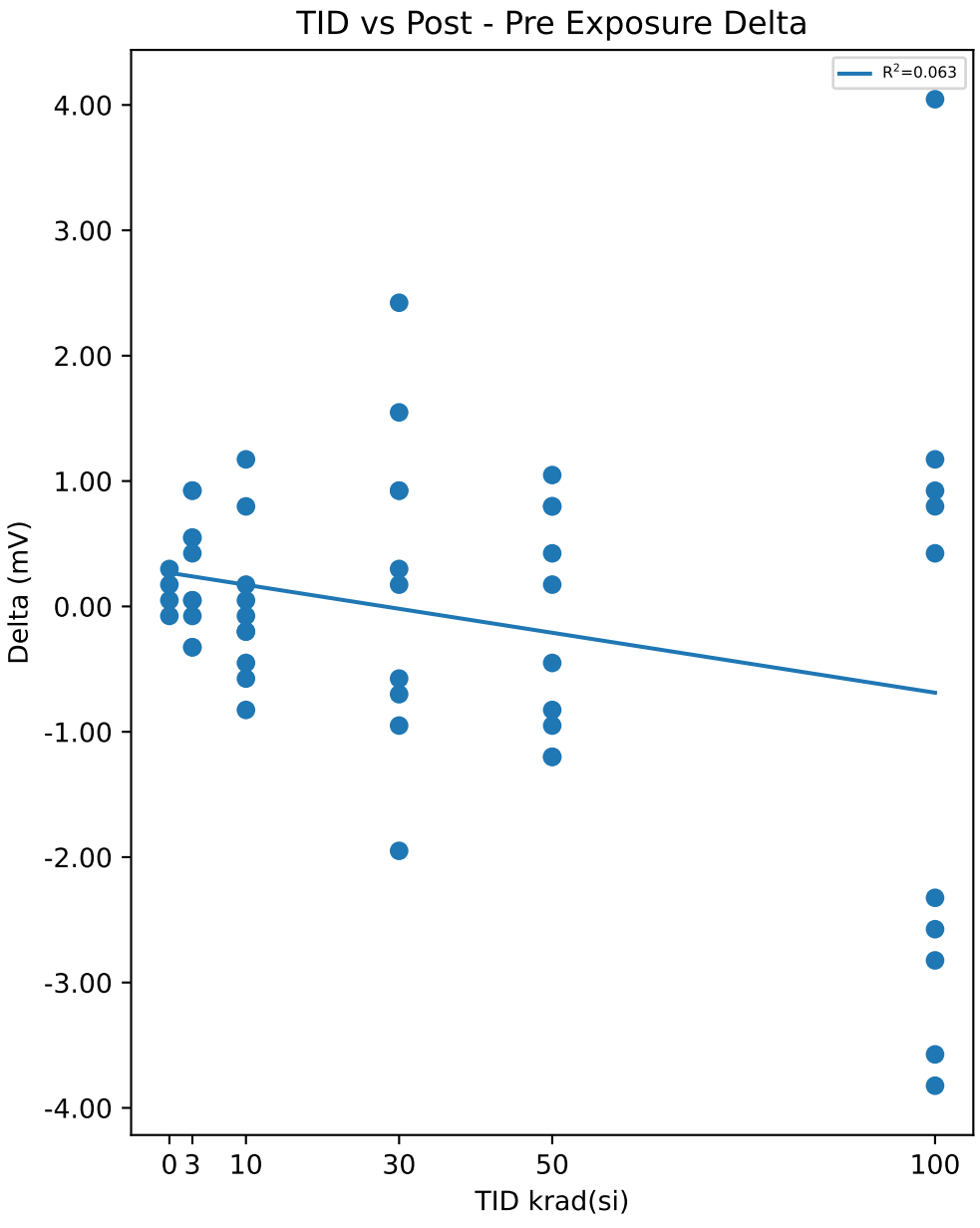
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	598.1	597.77	-0.3346
3	3	Biased	600.6	600.64	0.0399
4	3	Biased	597.85	597.39	-0.4595
5	3	Biased	596.61	596.9	0.2901
6	3	Biased	594.11	594.52	0.4152
7	3	Unbiased	596.61	597.39	0.7896
8	3	Unbiased	597.85	598.14	0.2901
9	3	Unbiased	600.23	600.52	0.2897
10	3	Unbiased	596.48	597.02	0.5398
11	3	Unbiased	601.1	601.52	0.4145
12	10	Unbiased	599.98	599.39	-0.5845
13	10	Unbiased	596.61	597.39	0.7896
14	10	Unbiased	599.35	600.52	1.1641
15	10	Unbiased	596.11	595.27	-0.8341
16	10	Unbiased	596.61	597.02	0.4149
17	10	Biased	594.73	594.52	-0.2094
18	10	Biased	602.73	603.52	0.7892
19	10	Biased	597.73	597.77	0.0402
20	10	Biased	602.48	601.52	-0.9596
21	10	Biased	606.1	606.01	-0.0855
22	30	Biased	600.6	600.64	0.0399
23	30	Biased	597.85	596.9	-0.959
24	30	Biased	595.98	596.15	0.1652
25	30	Biased	600.48	599.14	-1.334
26	30	Biased	595.36	594.9	-0.4593
27	30	Unbiased	596.86	598.27	1.4142
28	30	Unbiased	598.48	600.39	1.9137
29	30	Unbiased	598.6	599.02	0.4147
30	30	Unbiased	597.73	598.14	0.415
31	30	Unbiased	595.86	598.27	2.4135
32	50	Biased	596.48	595.4	-1.0839
33	50	Biased	599.85	599.14	-0.7094
34	50	Biased	595.61	594.02	-1.5835
35	50	Biased	601.85	601.02	-0.8345
36	50	Biased	598.6	598.14	-0.4595
37	50	Unbiased	600.6	599.89	-0.7095
39	50	Unbiased	600.23	600.64	0.4146
40	50	Unbiased	601.1	601.89	0.7893
41	50	Unbiased	599.48	600.27	0.7893
42	50	Unbiased	602.23	603.52	1.2888
43	100	Biased	603.85	601.14	-2.7084
44	100	Biased	594.23	590.77	-3.4569
45	100	Biased	599.48	596.52	-2.9578
46	100	Biased	601.1	597.02	-4.0821
47	100	Biased	596.98	593.27	-3.7069
48	100	Unbiased	599.98	599.89	-0.0849
49	100	Unbiased	602.35	603.14	0.7891
50	100	Unbiased	598.48	599.77	1.2892
51	100	Unbiased	600.6	604.76	4.1618
52	100	Unbiased	596.86	598.02	1.1644
53	0	Correlation	595.36	595.77	0.4151
54	0	Correlation	600.73	601.02	0.2898
55	0	Correlation	595.61	596.15	0.5399
56	0	Correlation	597.23	597.39	0.165

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	595.36	597.23	600.73	2.4753	595.77	597.58	601.02	2.3929	0.165	0.35245	0.5399	0.16137
3	594.11	597.95	601.1	2.1794	594.52	598.18	601.52	2.1198	-0.4595	0.22748	0.7896	0.38276
10	594.73	599.24	606.1	3.5986	594.52	599.29	606.01	3.6434	-0.9596	0.05249	1.1641	0.72702
30	595.36	597.78	600.6	1.8285	594.9	598.18	600.64	1.8005	-1.334	0.40239	2.4135	1.2088
50	595.61	599.6	602.23	2.17	594.02	599.39	603.52	2.8846	-1.5835	-0.20983	1.2888	0.95656
100	594.23	599.39	603.85	2.8498	590.77	598.43	604.76	4.2765	-4.0821	-0.95925	4.1618	2.793

Device Test: 13.46; VTH_WDI_FALL





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

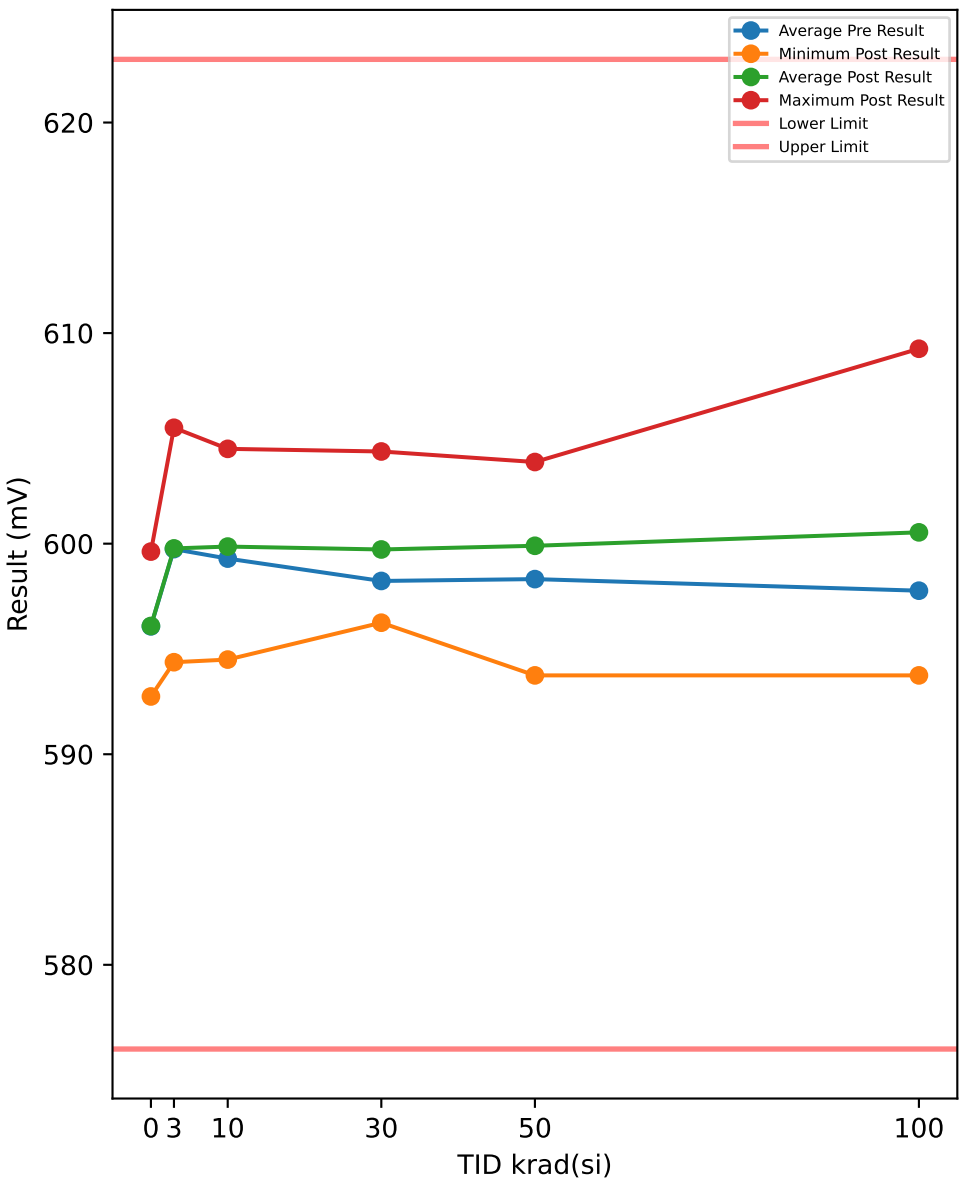
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	498.55	498.22	-0.3258
3	3	Biased	501.04	500.97	-0.0761
4	3	Biased	497.8	497.47	-0.3256
5	3	Biased	496.8	496.85	0.0491
6	3	Biased	493.92	494.85	0.9238
7	3	Unbiased	496.3	497.22	0.9235
8	3	Unbiased	498.17	498.72	0.5486
9	3	Unbiased	500.67	500.72	0.0487
10	3	Unbiased	496.92	497.35	0.4238
11	3	Unbiased	501.42	501.97	0.5483
12	10	Unbiased	500.29	499.72	-0.5757
13	10	Unbiased	497.05	497.22	0.174
14	10	Unbiased	499.42	500.59	1.173
15	10	Unbiased	496.05	495.85	-0.2006
16	10	Unbiased	496.92	496.85	-0.0758
17	10	Biased	495.05	494.85	-0.2005
18	10	Biased	503.04	503.84	0.798
19	10	Biased	498.05	497.6	-0.4506
20	10	Biased	502.54	501.72	-0.8257
21	10	Biased	505.92	505.96	0.0484
22	30	Biased	500.92	501.09	0.1737
23	30	Biased	498.3	497.35	-0.9503
24	30	Biased	496.55	495.97	-0.5754
25	30	Biased	500.92	498.97	-1.9497
26	30	Biased	495.42	494.72	-0.7001
27	30	Unbiased	497.17	498.09	0.9235
28	30	Unbiased	498.55	500.09	1.5478
29	30	Unbiased	498.55	498.84	0.2988
30	30	Unbiased	497.55	498.47	0.9234
31	30	Unbiased	496.05	498.47	2.4224
32	50	Biased	496.92	495.72	-1.1999
33	50	Biased	500.29	499.34	-0.9504
34	50	Biased	495.67	494.47	-1.1997
35	50	Biased	502.29	501.47	-0.8258
36	50	Biased	498.42	498.59	0.1739
37	50	Unbiased	500.54	500.09	-0.4508
39	50	Unbiased	500.17	500.59	0.4235
40	50	Unbiased	500.92	501.72	0.7982
41	50	Unbiased	499.79	500.59	0.7983
42	50	Unbiased	502.54	503.59	1.0479
43	100	Biased	504.29	501.72	-2.5746
44	100	Biased	493.92	491.1	-2.8234
45	100	Biased	499.42	497.1	-2.3244
46	100	Biased	500.54	496.97	-3.5734
47	100	Biased	497.42	493.6	-3.823
48	100	Unbiased	499.67	500.09	0.4236
49	100	Unbiased	502.54	503.47	0.923
50	100	Unbiased	498.55	499.72	1.1731
51	100	Unbiased	500.92	504.96	4.0457
52	100	Unbiased	497.3	498.09	0.7985
53	0	Correlation	495.55	495.6	0.0493
54	0	Correlation	500.67	500.97	0.2986
55	0	Correlation	496.05	495.97	-0.0757
56	0	Correlation	497.55	497.72	0.174

Test Statistics (mV)

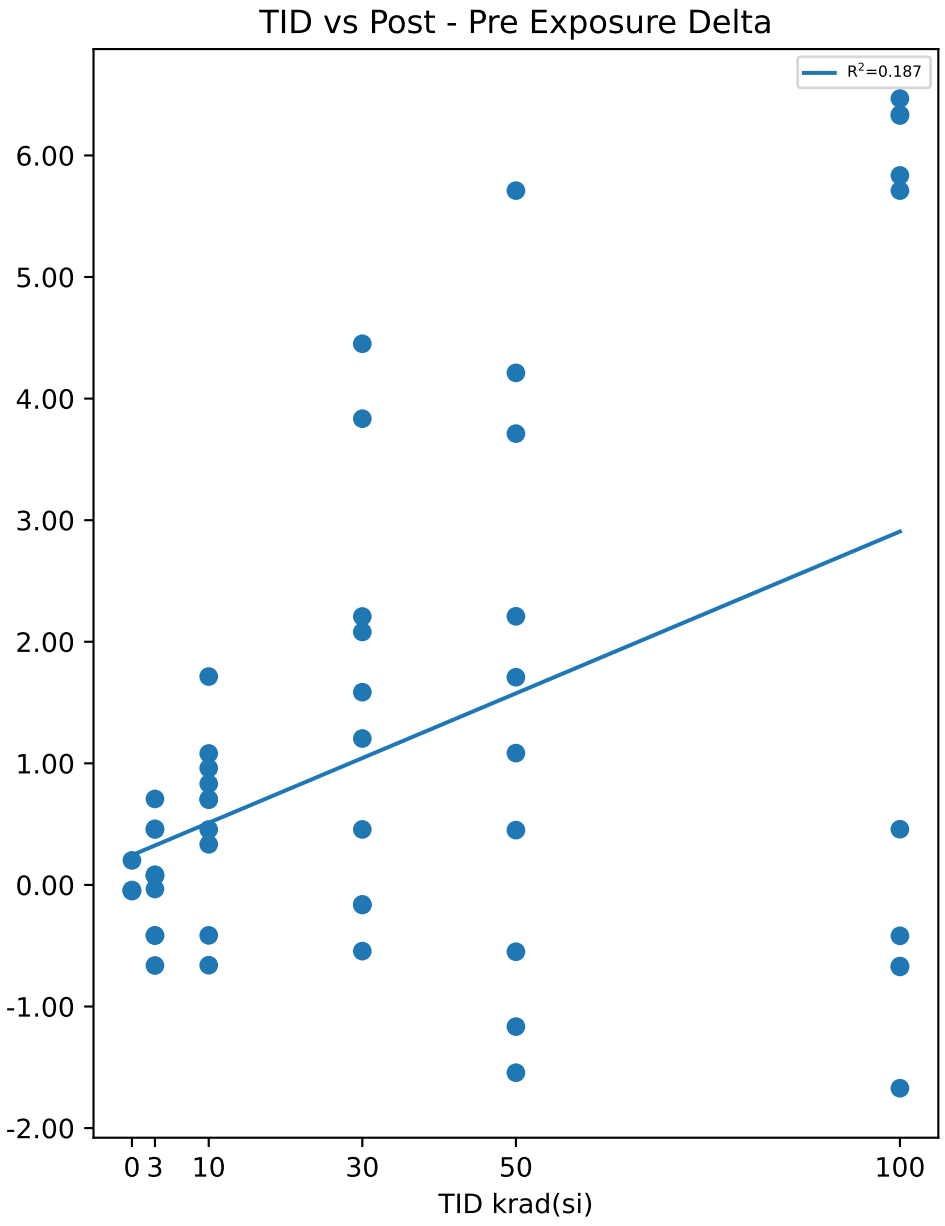
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	495.55	497.45	500.67	2.3065	495.6	497.56	500.97	2.4506	-0.0757	0.11155	0.2986	0.16106
3	493.92	498.16	501.42	2.3646	494.85	498.43	501.97	2.1913	-0.3258	0.27383	0.9238	0.46671
10	495.05	499.43	505.92	3.4974	494.85	499.42	505.96	3.6145	-0.8257	-0.01355	1.173	0.60973
30	495.42	498	500.92	1.8614	494.72	498.21	501.09	1.8531	-1.9497	0.21141	2.4224	1.2982
50	495.67	499.76	502.54	2.1892	494.47	499.62	503.59	2.7591	-1.1999	-0.13848	1.0479	0.88555
100	493.92	499.46	504.29	2.916	491.1	498.68	504.96	4.2656	-3.823	-0.77549	4.0457	2.5989

Device Test: 13.48; VTH_MODE_RISE

TID vs Result Stats



TID vs Post - Pre Exposure Delta



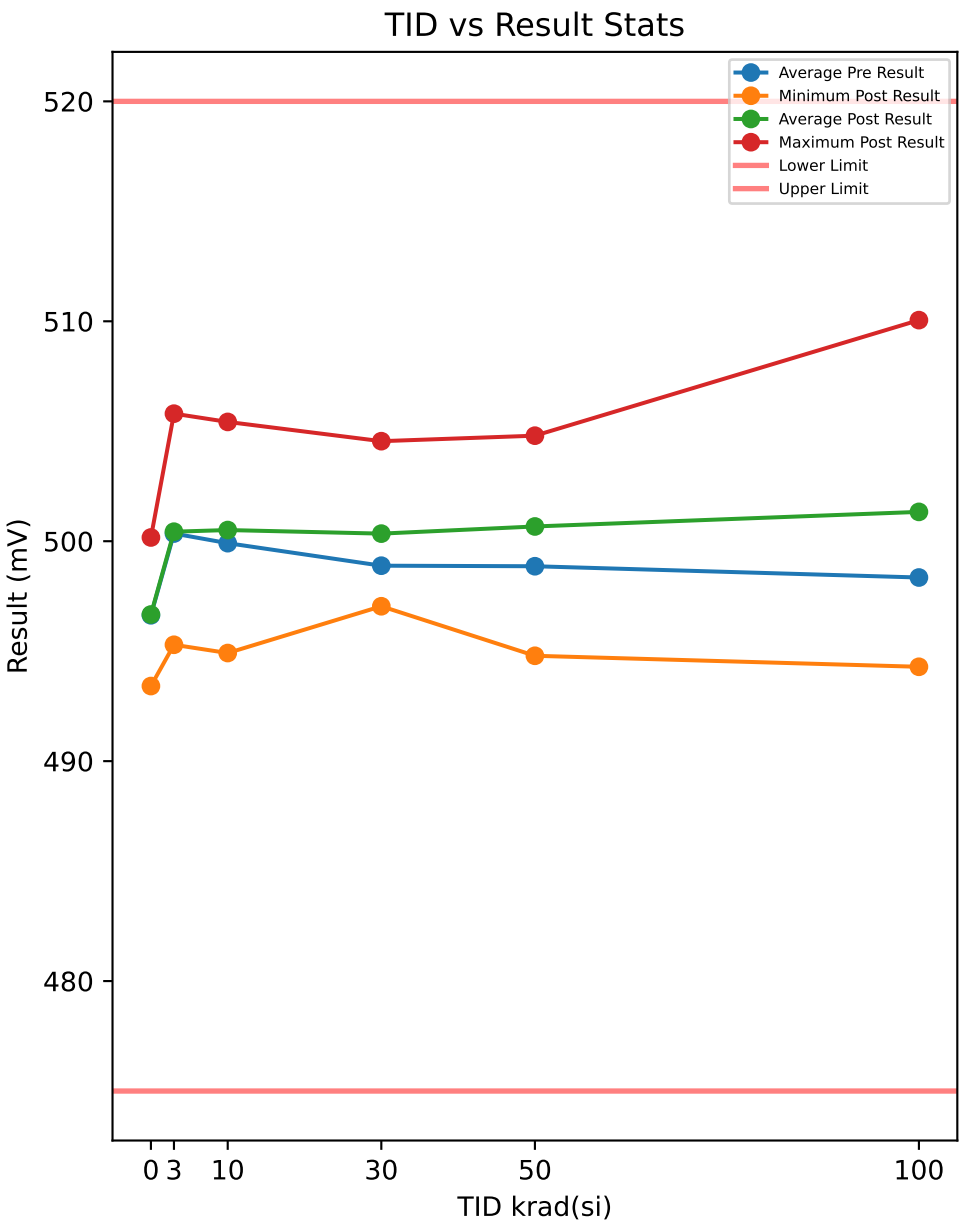
Test Results (Lower Limit = 576.0, Upper Limit = 623.0 (mV))

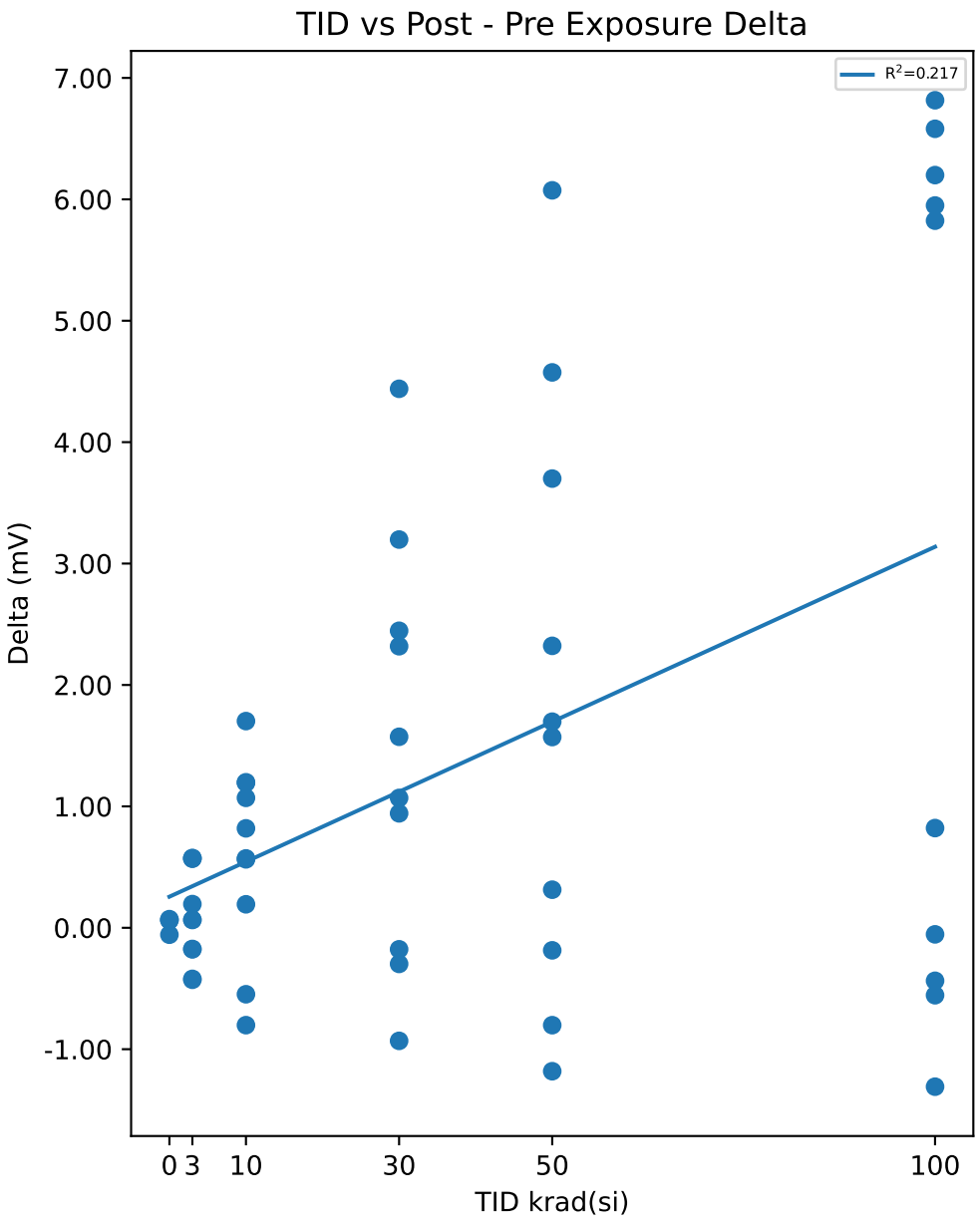
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	595.92	596	0.0782
3	3	Biased	601.79	602.25	0.4617
4	3	Biased	597.54	598	0.4559
5	3	Biased	598.42	599.12	0.7073
6	3	Biased	600.17	600.25	0.0841
7	3	Unbiased	602.91	602.25	-0.6627
8	3	Unbiased	600.17	599.75	-0.4163
9	3	Unbiased	605.54	605.5	-0.0335
10	3	Unbiased	594.29	594.37	0.076
11	3	Unbiased	600.67	600.25	-0.4157
12	10	Unbiased	597.04	597.75	0.7054
13	10	Unbiased	601.17	600.75	-0.4149
14	10	Unbiased	598.29	599.12	0.8322
15	10	Unbiased	599.79	600.12	0.3339
16	10	Unbiased	604.54	603.88	-0.6604
17	10	Biased	597.67	598.12	0.456
18	10	Biased	602.79	604.5	1.7141
19	10	Biased	593.79	594.5	0.7009
20	10	Biased	600.29	601.25	0.96
21	10	Biased	597.54	598.62	1.0813
22	30	Biased	598.04	600.25	2.2078
23	30	Biased	600.17	601.75	1.5853
24	30	Biased	596.54	598.62	2.0807
25	30	Biased	598.54	602.38	3.8348
26	30	Biased	591.8	596.25	4.4511
27	30	Unbiased	598.04	598.5	0.4564
28	30	Unbiased	598.04	597.5	-0.5444
29	30	Unbiased	604.54	604.38	-0.16
30	30	Unbiased	600.79	600.63	-0.1652
31	30	Unbiased	595.79	597	1.2041
32	50	Biased	599.67	603.88	4.2117
33	50	Biased	599.67	600.75	1.0842
34	50	Biased	600.17	603.88	3.712
35	50	Biased	598.04	603.75	5.7107
36	50	Biased	599.04	601.25	2.2093
37	50	Unbiased	598.54	600.25	1.7081
39	50	Unbiased	598.54	597	-1.5444
40	50	Unbiased	593.92	594.37	0.4508
41	50	Unbiased	594.29	593.74	-0.5494
42	50	Unbiased	601.29	600.12	-1.1652
43	100	Biased	598.04	604.38	6.3361
44	100	Biased	598.04	603.88	5.8357
45	100	Biased	598.04	603.75	5.7107
46	100	Biased	592.3	598.62	6.3282
47	100	Biased	602.79	609.26	6.4678
48	100	Unbiased	598.54	598.12	-0.4186
49	100	Unbiased	596.54	594.87	-1.6722
50	100	Unbiased	599.29	599.75	0.4582
51	100	Unbiased	599.67	599	-0.6672
52	100	Unbiased	594.42	593.74	-0.6744
53	0	Correlation	594.79	595	0.2018
54	0	Correlation	597.04	597	-0.0452
55	0	Correlation	592.79	592.74	-0.0511
56	0	Correlation	599.67	599.62	-0.0417

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	592.79	596.07	599.67	2.957	592.74	596.09	599.62	2.9274	-0.0511	0.01595	0.2018	0.12396
3	594.29	599.74	605.54	3.3325	594.37	599.77	605.5	3.2078	-0.6627	0.0335	0.7073	0.43658
10	593.79	599.29	604.54	3.1001	594.5	599.86	604.5	2.9595	-0.6604	0.57085	1.7141	0.69756
30	591.8	598.23	604.54	3.3414	596.25	599.72	604.38	2.6053	-0.5444	1.4951	4.4511	1.6961
50	593.92	598.32	601.29	2.4065	593.74	599.9	603.88	3.7431	-1.5444	1.5828	5.7107	2.4106
100	592.3	597.77	602.79	2.8795	593.74	600.54	609.26	4.7494	-1.6722	2.7704	6.4678	3.5904

Device Test: 13.49; VTH_MODE_FALL





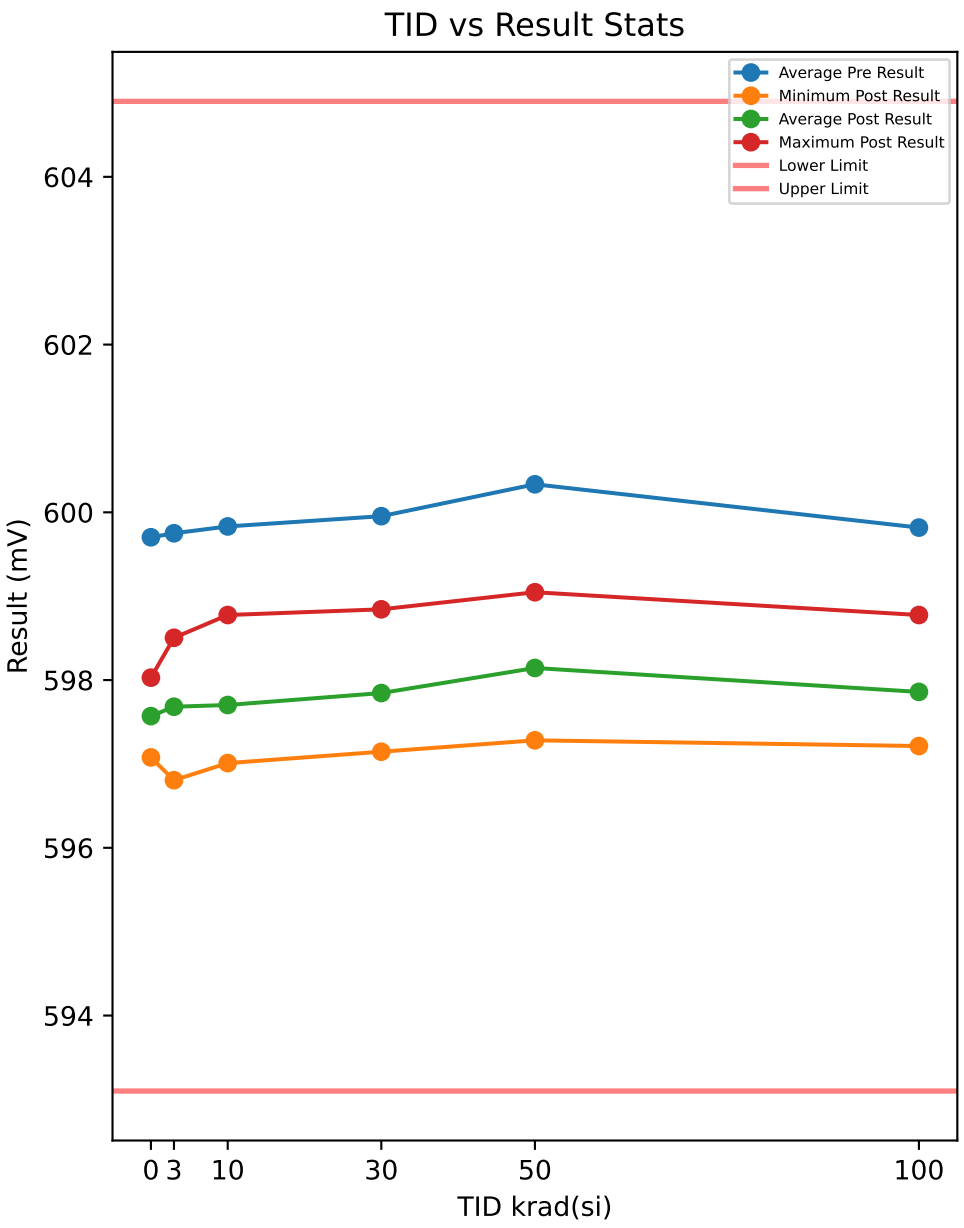
Test Results (Lower Limit = 475.0, Upper Limit = 520.0 (mV))

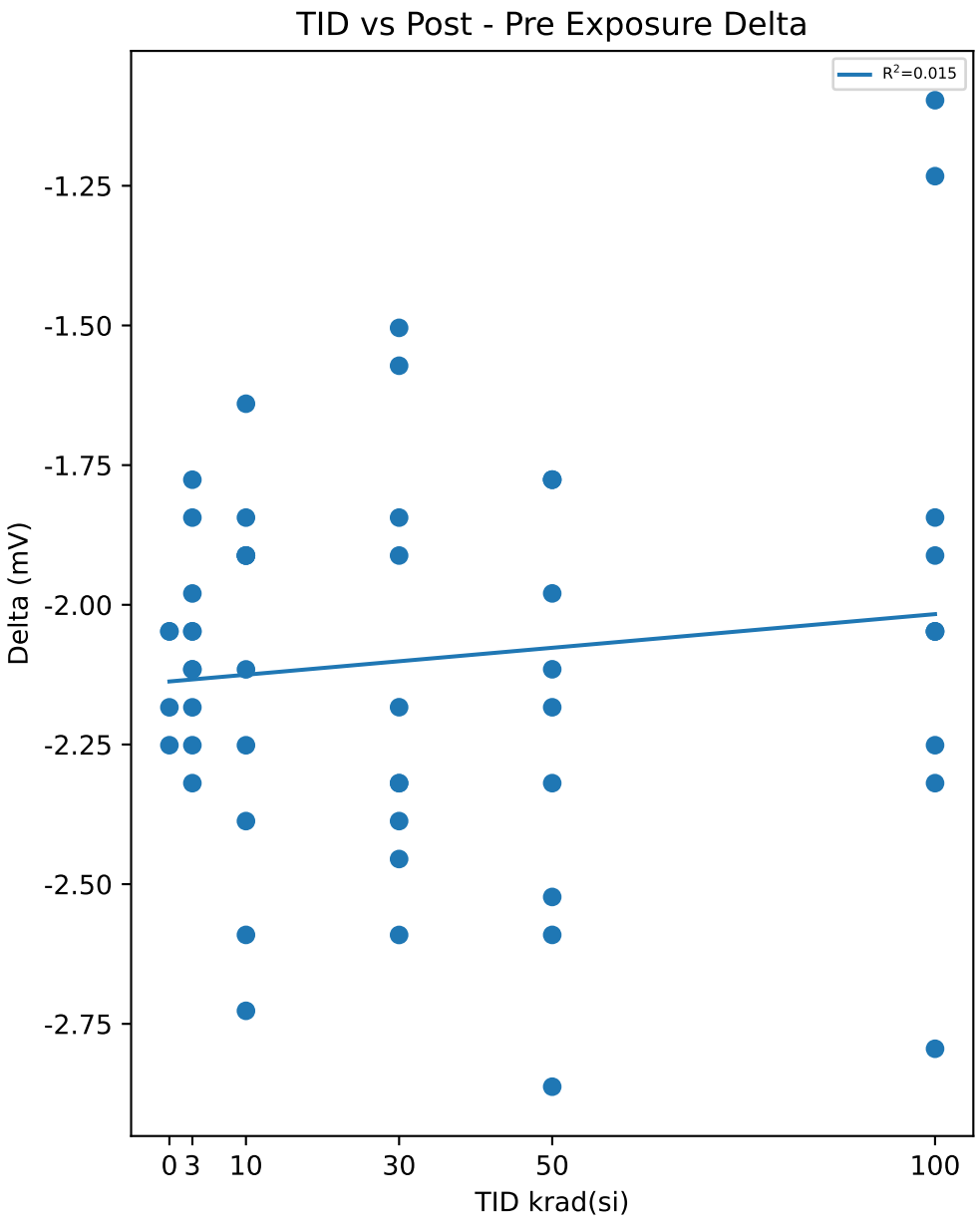
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	496.6	496.67	0.0665
3	3	Biased	502.35	502.92	0.5747
4	3	Biased	497.98	498.54	0.5687
5	3	Biased	499.22	499.42	0.1952
6	3	Biased	500.6	501.17	0.5723
7	3	Unbiased	503.35	503.17	-0.1744
8	3	Unbiased	500.72	500.3	-0.4282
9	3	Unbiased	506.22	505.8	-0.4207
10	3	Unbiased	495.23	495.29	0.0645
11	3	Unbiased	501.22	501.05	-0.1773
12	10	Unbiased	498.1	498.29	0.1935
13	10	Unbiased	501.97	501.17	-0.8019
14	10	Unbiased	498.72	499.79	1.0701
15	10	Unbiased	499.97	500.55	0.5714
16	10	Unbiased	505.1	504.55	-0.5474
17	10	Biased	498.1	498.92	0.819
18	10	Biased	503.72	505.42	1.7025
19	10	Biased	494.35	494.92	0.5638
20	10	Biased	500.97	502.17	1.1984
21	10	Biased	498.1	499.29	1.1944
22	30	Biased	498.85	501.3	2.4464
23	30	Biased	500.72	502.3	1.5733
24	30	Biased	497.1	499.42	2.319
25	30	Biased	499.35	502.55	3.1977
26	30	Biased	492.6	497.04	4.4395
27	30	Unbiased	498.22	499.29	1.0695
28	30	Unbiased	498.85	497.92	-0.9313
29	30	Unbiased	504.85	504.55	-0.2975
30	30	Unbiased	501.47	501.3	-0.1771
31	30	Unbiased	496.85	497.79	0.9426
32	50	Biased	499.97	504.55	4.5746
33	50	Biased	500.22	501.92	1.6977
34	50	Biased	500.6	504.3	3.6999
35	50	Biased	498.72	504.8	6.0741
36	50	Biased	499.6	501.92	2.3223
37	50	Unbiased	499.22	500.8	1.5712
39	50	Unbiased	498.85	497.67	-1.1814
40	50	Unbiased	494.48	494.79	0.3137
41	50	Unbiased	495.23	495.04	-0.1856
42	50	Unbiased	501.72	500.92	-0.8021
43	100	Biased	498.97	505.17	6.1996
44	100	Biased	498.85	504.67	5.8242
45	100	Biased	498.85	504.8	5.9492
46	100	Biased	492.48	499.29	6.8162
47	100	Biased	503.47	510.05	6.581
48	100	Unbiased	499.22	498.67	-0.5555
49	100	Unbiased	497.23	495.92	-1.3088
50	100	Unbiased	499.72	500.55	0.8213
51	100	Unbiased	499.97	499.92	-0.054
52	100	Unbiased	494.73	494.29	-0.4365
53	0	Correlation	495.23	495.29	0.0645
54	0	Correlation	497.85	497.79	-0.0569
55	0	Correlation	493.35	493.41	0.062
56	0	Correlation	500.1	500.17	0.0713

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	493.35	496.63	500.1	2.957	493.41	496.67	500.17	2.9445	-0.0569	0.035225	0.0713	0.061542
3	495.23	500.35	506.22	3.2593	495.29	500.43	505.8	3.1386	-0.4282	0.08413	0.5747	0.39148
10	494.35	499.91	505.1	3.1435	494.92	500.51	505.42	3.0621	-0.8019	0.59638	1.7025	0.79197
30	492.6	498.89	504.85	3.2154	497.04	500.35	504.55	2.4359	-0.9313	1.4582	4.4395	1.6842
50	494.48	498.86	501.72	2.2956	494.79	500.67	504.8	3.7078	-1.1814	1.8084	6.0741	2.3973
100	492.48	498.35	503.47	3.0052	494.29	501.33	510.05	4.7931	-1.3088	2.9837	6.8162	3.518

Device Test: 13.5; VTH_SENSE





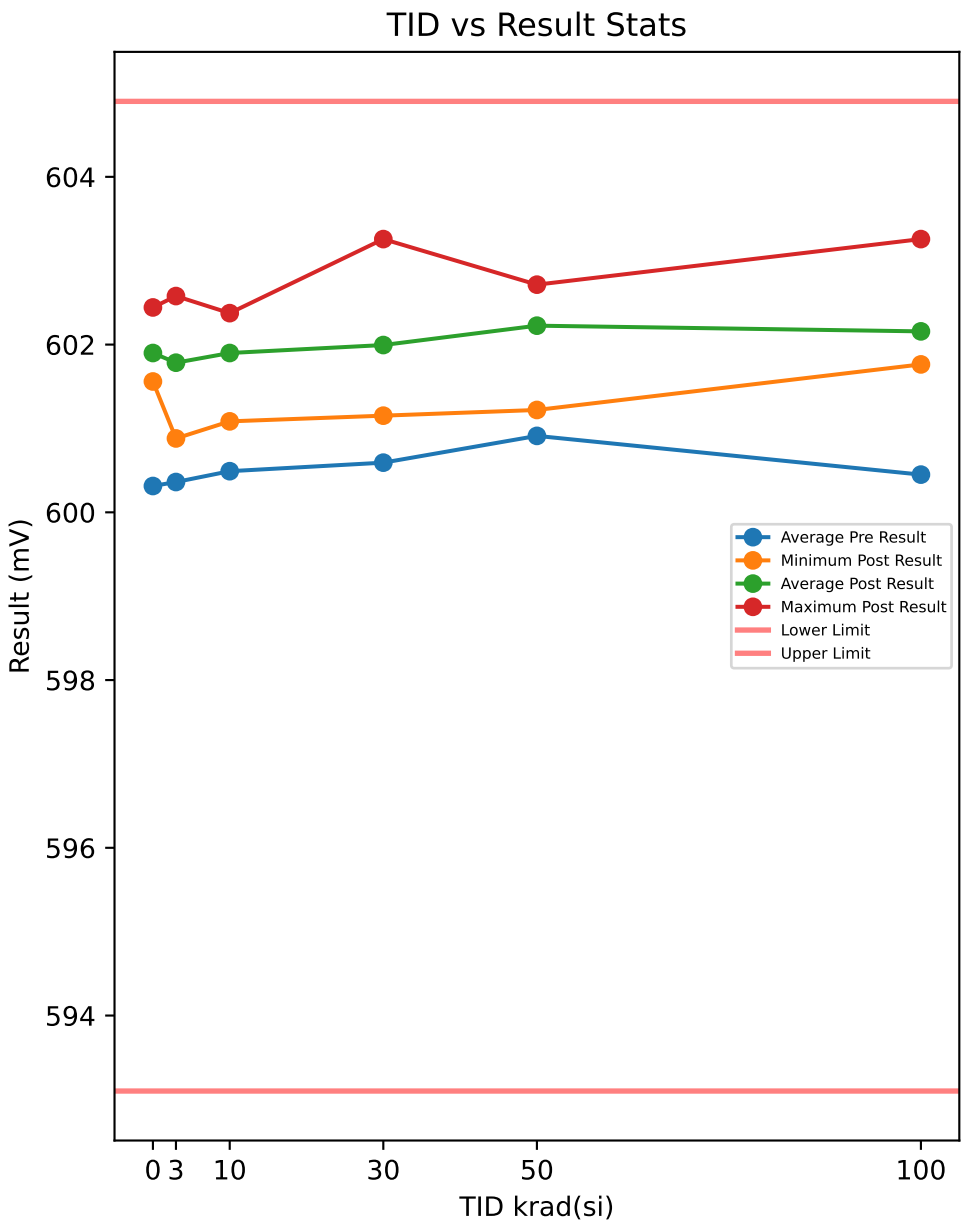
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

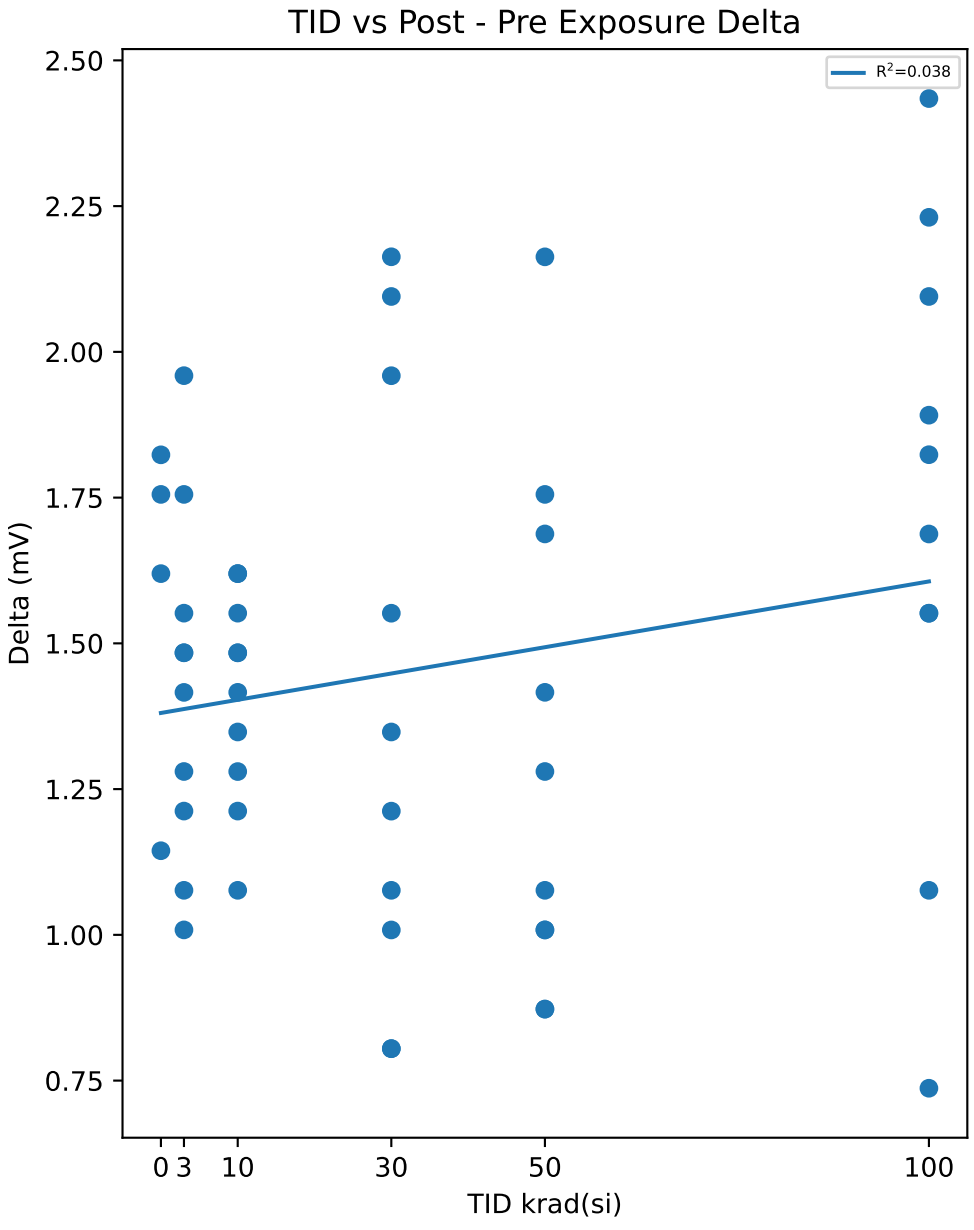
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.55	598.5	-2.0476
3	3	Biased	599.33	597.49	-1.8439
4	3	Biased	600.82	598.5	-2.3192
5	3	Biased	600.08	598.03	-2.0475
6	3	Biased	600.08	597.82	-2.2513
7	3	Unbiased	599.94	597.82	-2.1156
8	3	Unbiased	599.19	597.08	-2.1156
9	3	Unbiased	598.85	597.08	-1.7761
10	3	Unbiased	599.67	597.69	-1.9797
11	3	Unbiased	598.99	596.81	-2.1835
12	10	Unbiased	599.6	597.76	-1.8439
13	10	Unbiased	599.94	597.82	-2.1156
14	10	Unbiased	600.08	598.16	-1.9117
15	10	Unbiased	600.35	597.96	-2.3871
16	10	Unbiased	598.92	597.01	-1.9119
17	10	Biased	599.8	597.08	-2.7267
18	10	Biased	599.4	597.49	-1.9118
19	10	Biased	600.42	598.78	-1.6401
20	10	Biased	599.94	597.69	-2.2514
21	10	Biased	599.87	597.28	-2.5908
22	30	Biased	599.8	597.42	-2.3871
23	30	Biased	599.94	597.62	-2.3193
24	30	Biased	600.35	597.89	-2.455
25	30	Biased	600.35	598.84	-1.5043
26	30	Biased	600.14	598.3	-1.8439
27	30	Unbiased	599.8	597.49	-2.3192
28	30	Unbiased	600.08	597.89	-2.1833
29	30	Unbiased	600.01	598.44	-1.5721
30	30	Unbiased	599.74	597.15	-2.5909
31	30	Unbiased	599.33	597.42	-1.9118
32	50	Biased	601.03	598.91	-2.1154
33	50	Biased	600.55	597.96	-2.5908
34	50	Biased	600.82	599.05	-1.7759
35	50	Biased	600.08	598.1	-1.9796
36	50	Biased	599.6	597.28	-2.3192
37	50	Unbiased	600.55	597.69	-2.8625
39	50	Unbiased	600.01	597.82	-2.1834
40	50	Unbiased	599.94	598.16	-1.776
41	50	Unbiased	600.42	597.89	-2.5229
42	50	Unbiased	600.35	598.57	-1.776
43	100	Biased	598.85	597.62	-1.2328
44	100	Biased	599.67	597.76	-1.9118
45	100	Biased	599.06	597.96	-1.0969
46	100	Biased	600.08	597.76	-2.3192
47	100	Biased	600.01	598.16	-1.8438
48	100	Unbiased	600.48	597.69	-2.7946
49	100	Unbiased	600.21	598.16	-2.0476
50	100	Unbiased	600.82	598.78	-2.0475
51	100	Unbiased	599.26	597.21	-2.0477
52	100	Unbiased	599.74	597.49	-2.2513
53	0	Correlation	599.6	597.55	-2.0476
54	0	Correlation	599.87	597.62	-2.2513
55	0	Correlation	600.08	598.03	-2.0475
56	0	Correlation	599.26	597.08	-2.1835

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	599.26	599.7	600.08	0.35282	597.08	597.57	598.03	0.38964	-2.2513	-2.1325	-2.0475	0.10189
3	598.85	599.75	600.82	0.65975	596.81	597.68	598.5	0.58193	-2.3192	-2.068	-1.7761	0.16952
10	598.92	599.83	600.42	0.44263	597.01	597.7	598.78	0.53166	-2.7267	-2.1291	-1.6401	0.35184
30	599.33	599.95	600.35	0.30671	597.15	597.85	598.84	0.5367	-2.5909	-2.1087	-1.5043	0.37805
50	599.6	600.33	601.03	0.4328	597.28	598.14	599.05	0.55174	-2.8625	-2.1902	-1.7759	0.38072
100	598.85	599.82	600.82	0.62874	597.21	597.86	598.78	0.43456	-2.7946	-1.9593	-1.0969	0.497

Device Test: 13.6; VTH_SENSE





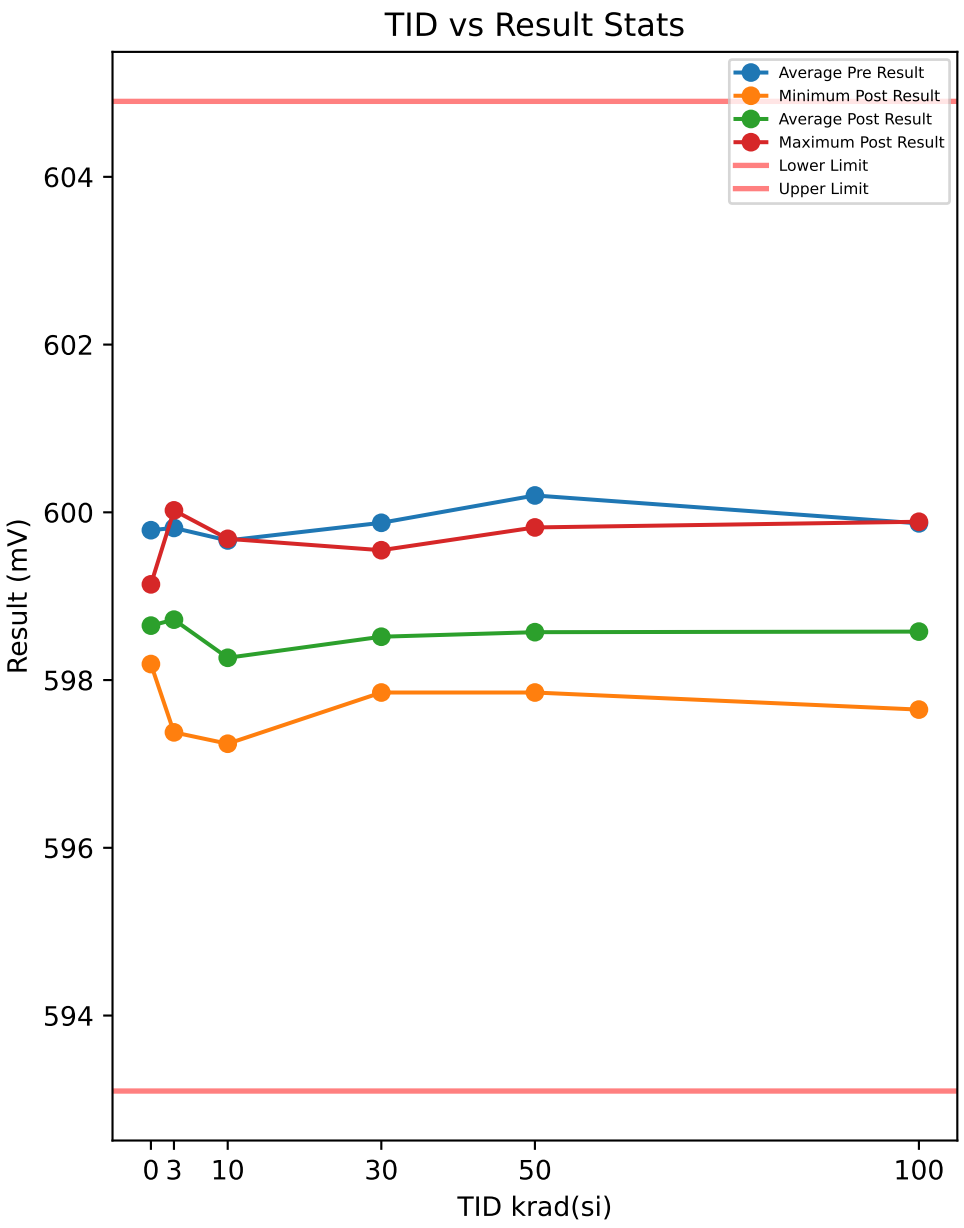
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

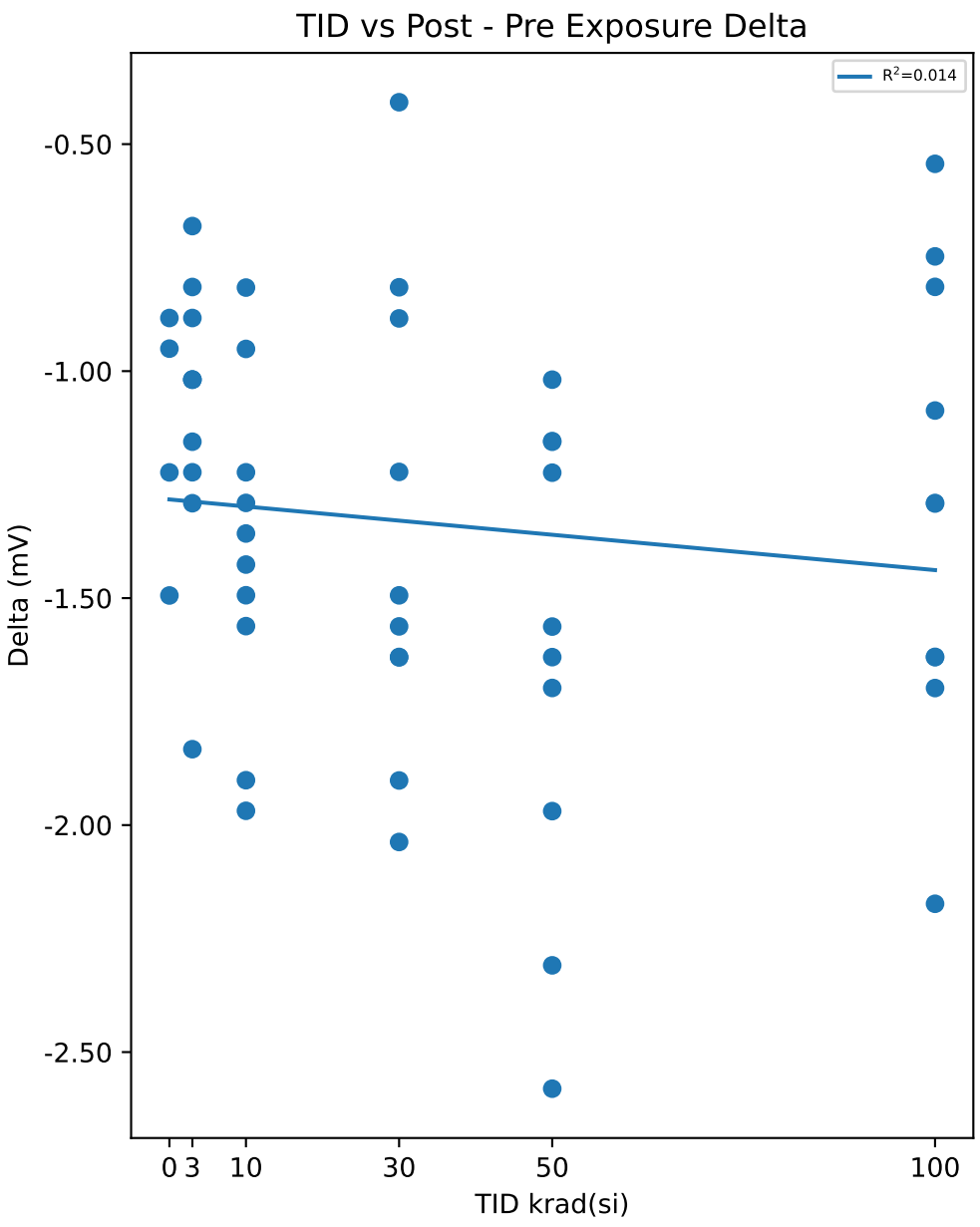
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	601.09	602.37	1.2802
3	3	Biased	599.87	601.29	1.4159
4	3	Biased	601.37	602.58	1.2123
5	3	Biased	600.89	602.37	1.4839
6	3	Biased	600.82	602.58	1.7555
7	3	Unbiased	600.28	602.24	1.9592
8	3	Unbiased	599.87	600.88	1.0085
9	3	Unbiased	599.87	600.95	1.0764
10	3	Unbiased	600.08	601.63	1.5518
11	3	Unbiased	599.47	600.95	1.4838
12	10	Unbiased	600.48	601.83	1.348
13	10	Unbiased	600.62	602.24	1.6197
14	10	Unbiased	600.55	602.04	1.4838
15	10	Unbiased	600.82	602.1	1.2801
16	10	Unbiased	599.6	601.08	1.4838
17	10	Biased	600.48	601.56	1.0764
18	10	Biased	600.21	601.83	1.6196
19	10	Biased	601.16	602.37	1.2123
20	10	Biased	600.55	601.97	1.416
21	10	Biased	600.42	601.97	1.5518
22	30	Biased	600.48	601.83	1.348
23	30	Biased	600.48	602.04	1.5517
24	30	Biased	601.16	601.97	0.8049
25	30	Biased	601.09	603.26	2.1631
26	30	Biased	600.82	602.04	1.2122
27	30	Unbiased	600.21	601.22	1.0084
28	30	Unbiased	600.82	601.9	1.0764
29	30	Unbiased	600.55	602.65	2.095
30	30	Unbiased	600.35	601.15	0.8047
31	30	Unbiased	599.94	601.9	1.9591
32	50	Biased	601.57	602.65	1.0764
33	50	Biased	601.09	602.1	1.0085
34	50	Biased	601.3	602.71	1.416
35	50	Biased	600.55	602.71	2.163
36	50	Biased	600.21	601.22	1.0084
37	50	Unbiased	601.23	602.1	0.8726
39	50	Unbiased	600.69	601.97	1.2802
40	50	Unbiased	600.48	602.24	1.7555
41	50	Unbiased	601.16	602.04	0.8727
42	50	Unbiased	600.82	602.51	1.6877
43	100	Biased	599.4	601.83	2.4345
44	100	Biased	600.35	601.9	1.5517
45	100	Biased	599.94	602.17	2.2308
46	100	Biased	600.69	601.76	1.0764
47	100	Biased	600.48	602.58	2.095
48	100	Unbiased	601.03	601.76	0.7369
49	100	Unbiased	600.82	602.71	1.8914
50	100	Unbiased	601.43	603.26	1.8236
51	100	Unbiased	600.08	601.76	1.6876
52	100	Unbiased	600.28	601.83	1.5517
53	0	Correlation	600.42	601.56	1.1443
54	0	Correlation	600.42	602.04	1.6196
55	0	Correlation	600.62	602.44	1.8234
56	0	Correlation	599.8	601.56	1.7555

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	600.31	600.62	0.35287	601.56	601.9	602.44	0.42589	1.1443	1.5857	1.8234	0.30622
3	599.47	600.36	601.37	0.63684	600.88	601.78	602.58	0.71872	1.0085	1.4228	1.9592	0.29417
10	599.6	600.49	601.16	0.40294	601.08	601.9	602.37	0.36501	1.0764	1.4091	1.6197	0.17951
30	599.94	600.59	601.16	0.3857	601.15	601.99	603.26	0.61263	0.8047	1.4024	2.1631	0.51699
50	600.21	600.91	601.57	0.42714	601.22	602.23	602.71	0.45704	0.8726	1.3141	2.163	0.43457
100	599.4	600.45	601.43	0.58171	601.76	602.16	603.26	0.52097	0.7369	1.708	2.4345	0.51523

Device Test: 13.7; VTH_SENSE





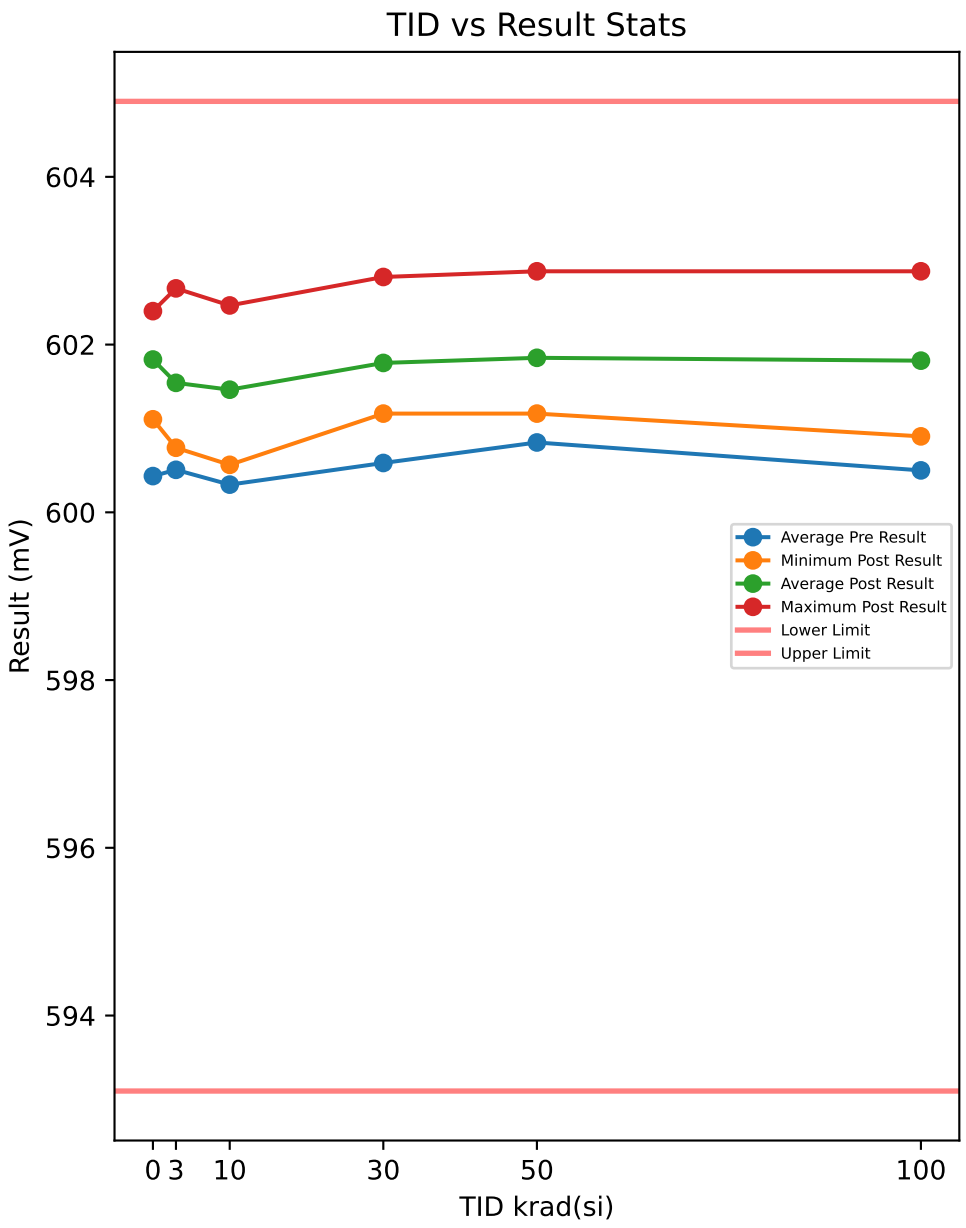
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

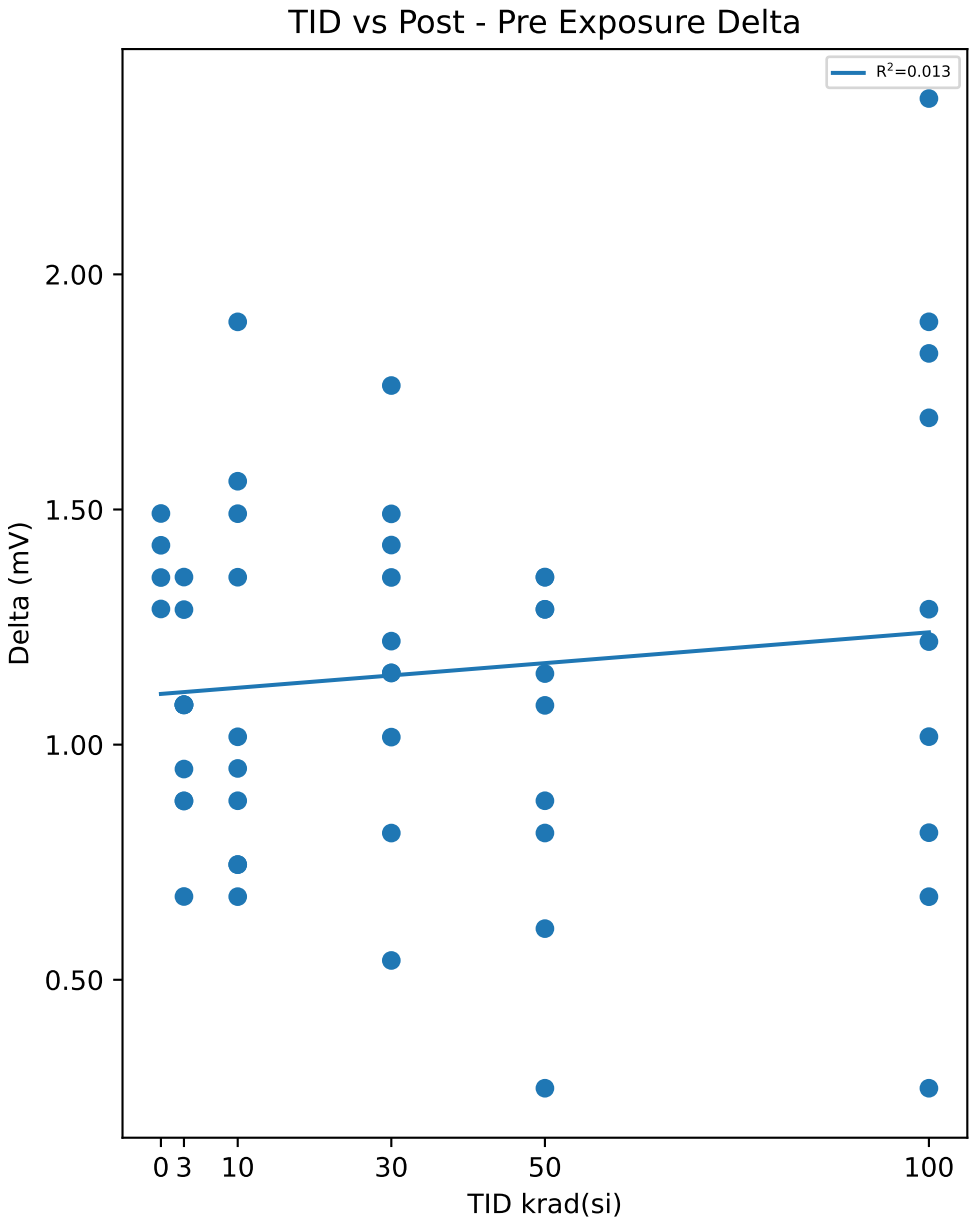
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.36	599.07	-1.291
3	3	Biased	599.48	598.6	-0.883
4	3	Biased	600.7	600.02	-0.6805
5	3	Biased	600.57	599.41	-1.1555
6	3	Biased	599.75	598.73	-1.0188
7	3	Unbiased	599.21	597.38	-1.8328
8	3	Unbiased	599.07	598.26	-0.8147
9	3	Unbiased	599.28	598.26	-1.0185
10	3	Unbiased	600.09	598.87	-1.2228
11	3	Unbiased	599.62	598.6	-1.0188
12	10	Unbiased	599.62	598.33	-1.2903
13	10	Unbiased	599.35	597.85	-1.4937
14	10	Unbiased	599.82	598.87	-0.9511
15	10	Unbiased	600.16	598.94	-1.2229
16	10	Unbiased	599.14	597.78	-1.3577
17	10	Biased	599.21	597.24	-1.9685
18	10	Biased	599.75	598.33	-1.4261
19	10	Biased	600.5	599.68	-0.816
20	10	Biased	599.62	597.72	-1.9011
21	10	Biased	599.48	597.92	-1.5617
22	30	Biased	600.23	598.67	-1.5623
23	30	Biased	599.55	598.06	-1.4939
24	30	Biased	600.23	598.33	-1.9017
25	30	Biased	600.43	599.55	-0.8839
26	30	Biased	599.68	598.87	-0.8153
27	30	Unbiased	599.48	597.85	-1.6296
28	30	Unbiased	600.77	599.14	-1.6306
29	30	Unbiased	599.28	598.87	-0.4077
30	30	Unbiased	600.02	597.99	-2.0372
31	30	Unbiased	599.07	597.85	-1.222
32	50	Biased	600.02	598.33	-1.6979
33	50	Biased	599.82	597.85	-1.9692
34	50	Biased	600.7	599.55	-1.1556
35	50	Biased	599.14	597.99	-1.1541
36	50	Biased	600.3	597.99	-2.3089
37	50	Unbiased	600.43	597.85	-2.5806
39	50	Unbiased	600.7	599.14	-1.5627
40	50	Unbiased	599.75	598.73	-1.0188
41	50	Unbiased	600.09	598.46	-1.63
42	50	Unbiased	601.04	599.82	-1.2237
43	100	Biased	598.73	597.92	-0.8144
44	100	Biased	599.82	598.73	-1.0868
45	100	Biased	599.28	598.73	-0.5434
46	100	Biased	600.3	598.6	-1.6981
47	100	Biased	599.96	598.67	-1.2905
48	100	Unbiased	600.36	598.19	-2.1733
49	100	Unbiased	600.16	598.53	-1.6301
50	100	Unbiased	601.18	599.89	-1.2917
51	100	Unbiased	599.62	598.87	-0.7473
52	100	Unbiased	599.28	597.65	-1.6294
53	0	Correlation	599.62	598.73	-0.883
54	0	Correlation	600.02	598.53	-1.4942
55	0	Correlation	600.36	599.14	-1.2231
56	0	Correlation	599.14	598.19	-0.9505

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	599.14	599.79	600.36	0.52767	598.19	598.65	599.14	0.39721	-1.4942	-1.1377	-0.883	0.27946
3	599.07	599.81	600.7	0.58651	597.38	598.72	600.02	0.7138	-1.8328	-1.0936	-0.6805	0.31894
10	599.14	599.66	600.5	0.42126	597.24	598.27	599.68	0.72354	-1.9685	-1.3989	-0.816	0.36479
30	599.07	599.88	600.77	0.54606	597.85	598.52	599.55	0.59064	-2.0372	-1.3584	-0.4077	0.51705
50	599.14	600.2	601.04	0.55668	597.85	598.57	599.82	0.71911	-2.5806	-1.6301	-1.0188	0.52482
100	598.73	599.87	601.18	0.69057	597.65	598.58	599.89	0.60625	-2.1733	-1.2905	-0.5434	0.5052

Device Test: 13.8; VTH_SENSE





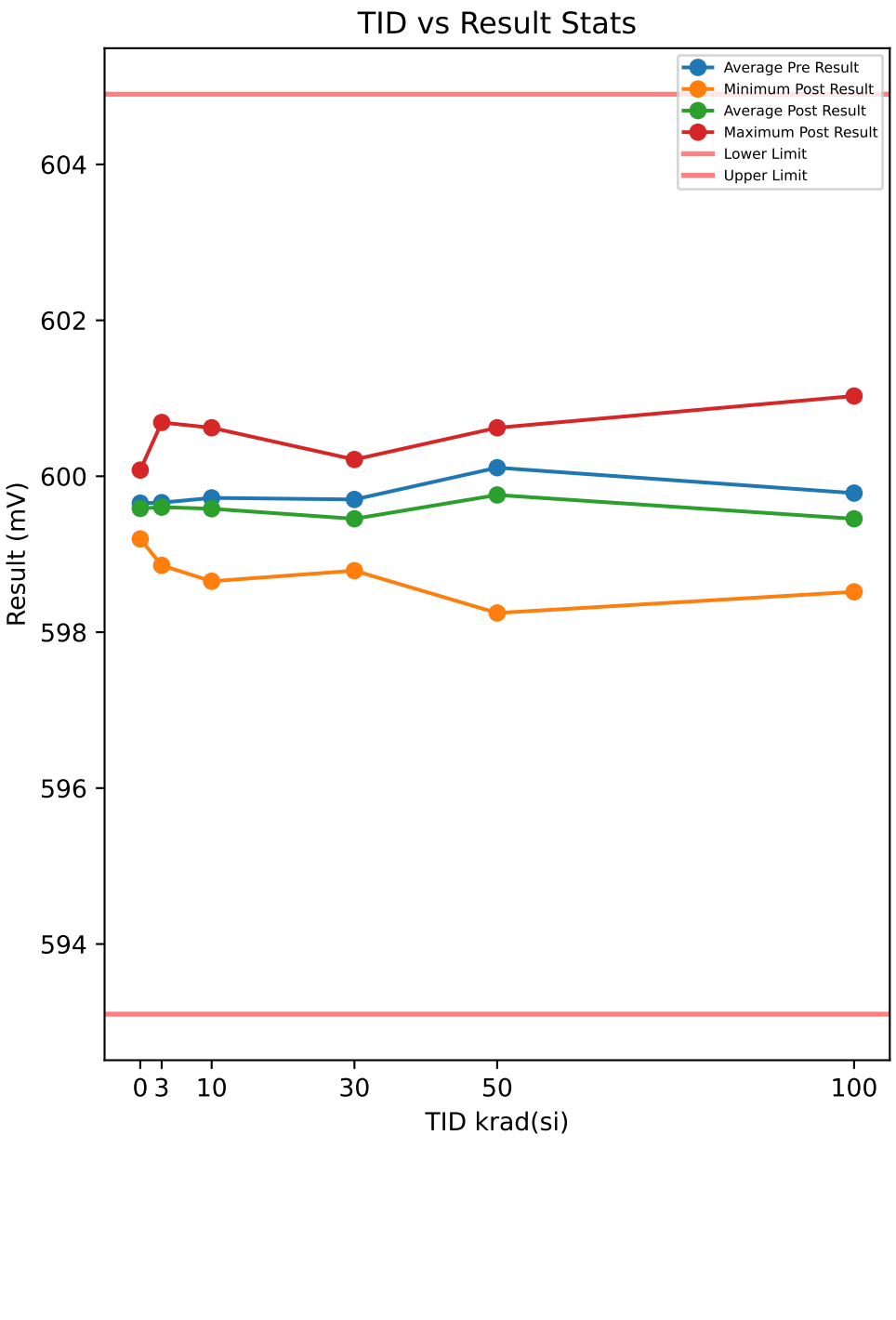
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

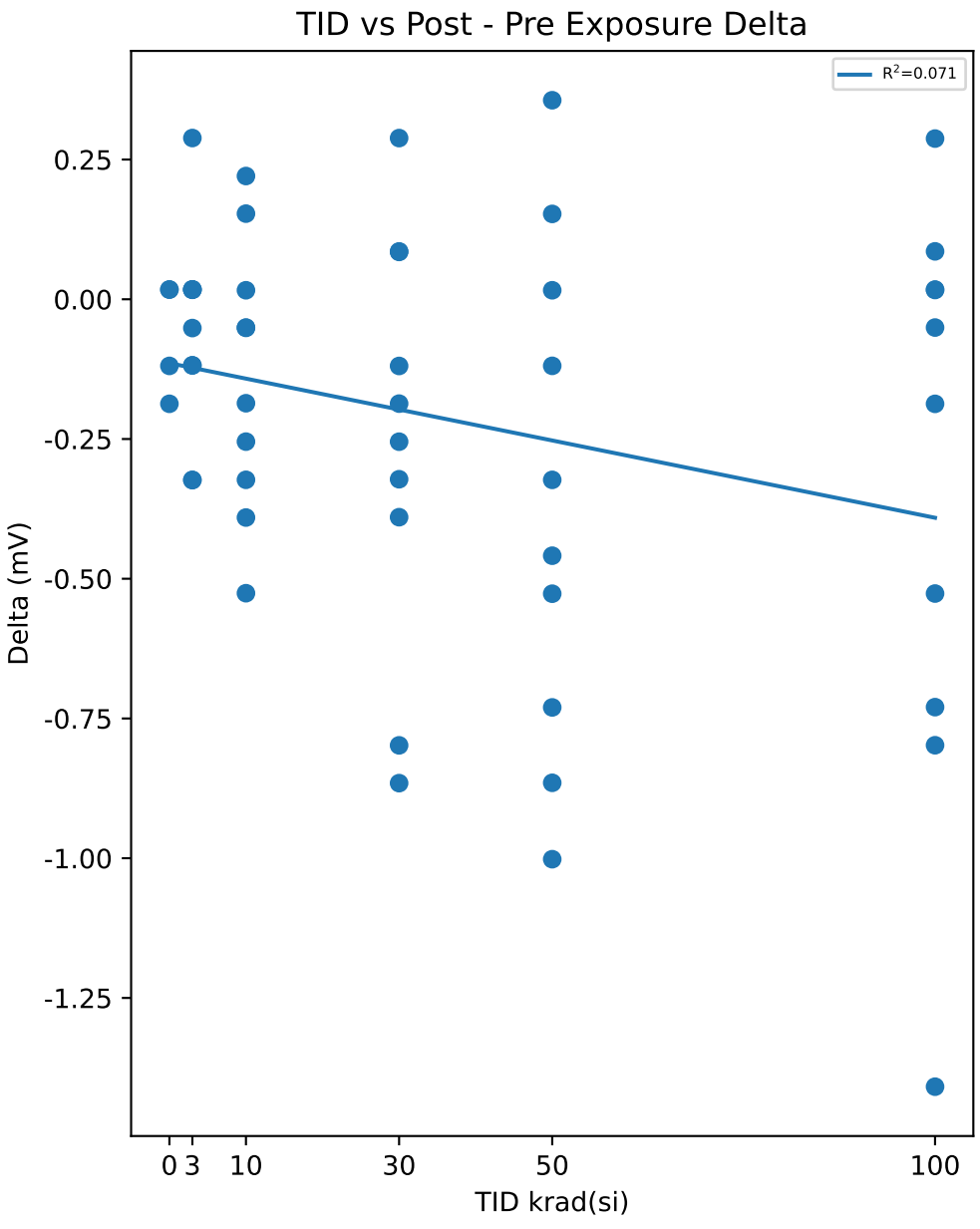
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	601.11	601.99	0.8801
3	3	Biased	600.02	601.11	1.0847
4	3	Biased	601.38	602.67	1.2871
5	3	Biased	601.04	601.99	0.9481
6	3	Biased	600.77	601.65	0.8805
7	3	Unbiased	599.96	601.31	1.3563
8	3	Unbiased	599.96	601.04	1.0848
9	3	Unbiased	599.68	600.77	1.085
10	3	Unbiased	600.64	601.72	1.0843
11	3	Unbiased	600.5	601.18	0.6771
12	10	Unbiased	600.3	601.04	0.7451
13	10	Unbiased	600.16	601.18	1.0167
14	10	Unbiased	600.7	601.45	0.7448
15	10	Unbiased	600.84	601.52	0.6768
16	10	Unbiased	599.75	601.31	1.5601
17	10	Biased	599.62	600.57	0.9494
18	10	Biased	600.23	602.13	1.899
19	10	Biased	600.98	602.47	1.4911
20	10	Biased	600.5	601.38	0.8807
21	10	Biased	600.23	601.58	1.356
22	30	Biased	600.84	602.2	1.3555
23	30	Biased	600.3	601.45	1.1524
24	30	Biased	600.98	601.99	1.016
25	30	Biased	601.32	602.81	1.4907
26	30	Biased	600.43	601.65	1.2201
27	30	Unbiased	600.02	601.18	1.1526
28	30	Unbiased	601.52	602.33	0.812
29	30	Unbiased	599.89	601.65	1.7636
30	30	Unbiased	600.84	601.38	0.5411
31	30	Unbiased	599.75	601.18	1.4244
32	50	Biased	600.84	602.13	1.2877
33	50	Biased	600.43	601.31	0.8807
34	50	Biased	601.32	602.4	1.0835
35	50	Biased	599.82	601.18	1.3564
36	50	Biased	600.91	601.52	0.6088
37	50	Unbiased	600.98	601.25	0.2694
39	50	Unbiased	601.32	602.13	0.8121
40	50	Unbiased	600.43	601.79	1.3558
41	50	Unbiased	600.57	601.86	1.2878
42	50	Unbiased	601.72	602.87	1.1511
43	100	Biased	599.28	601.11	1.8319
44	100	Biased	600.64	601.45	0.8128
45	100	Biased	600.09	601.99	1.8991
46	100	Biased	601.04	601.31	0.2694
47	100	Biased	600.5	602.87	2.3738
48	100	Unbiased	600.91	601.58	0.6767
49	100	Unbiased	600.77	602.47	1.6949
50	100	Unbiased	601.52	602.74	1.2191
51	100	Unbiased	600.36	601.65	1.288
52	100	Unbiased	599.89	600.91	1.017
53	0	Correlation	600.23	601.65	1.4239
54	0	Correlation	600.64	602.13	1.4915
55	0	Correlation	601.04	602.4	1.3553
56	0	Correlation	599.82	601.11	1.2885

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	599.82	600.43	601.04	0.52616	601.11	601.82	602.4	0.56648	1.2885	1.3898	1.4915	0.087479
3	599.68	600.51	601.38	0.57947	600.77	601.54	602.67	0.57161	0.6771	1.0368	1.3563	0.20004
10	599.62	600.33	600.98	0.43936	600.57	601.46	602.47	0.53325	0.6768	1.132	1.899	0.41731
30	599.75	600.59	601.52	0.60425	601.18	601.78	602.81	0.53768	0.5411	1.1928	1.7636	0.34955
50	599.82	600.83	601.72	0.54761	601.18	601.84	602.87	0.55026	0.2694	1.0093	1.3564	0.36278
100	599.28	600.5	601.52	0.63642	600.91	601.81	602.87	0.68472	0.2694	1.3083	2.3738	0.64334

Device Test: 13.9; VTH_SENSE





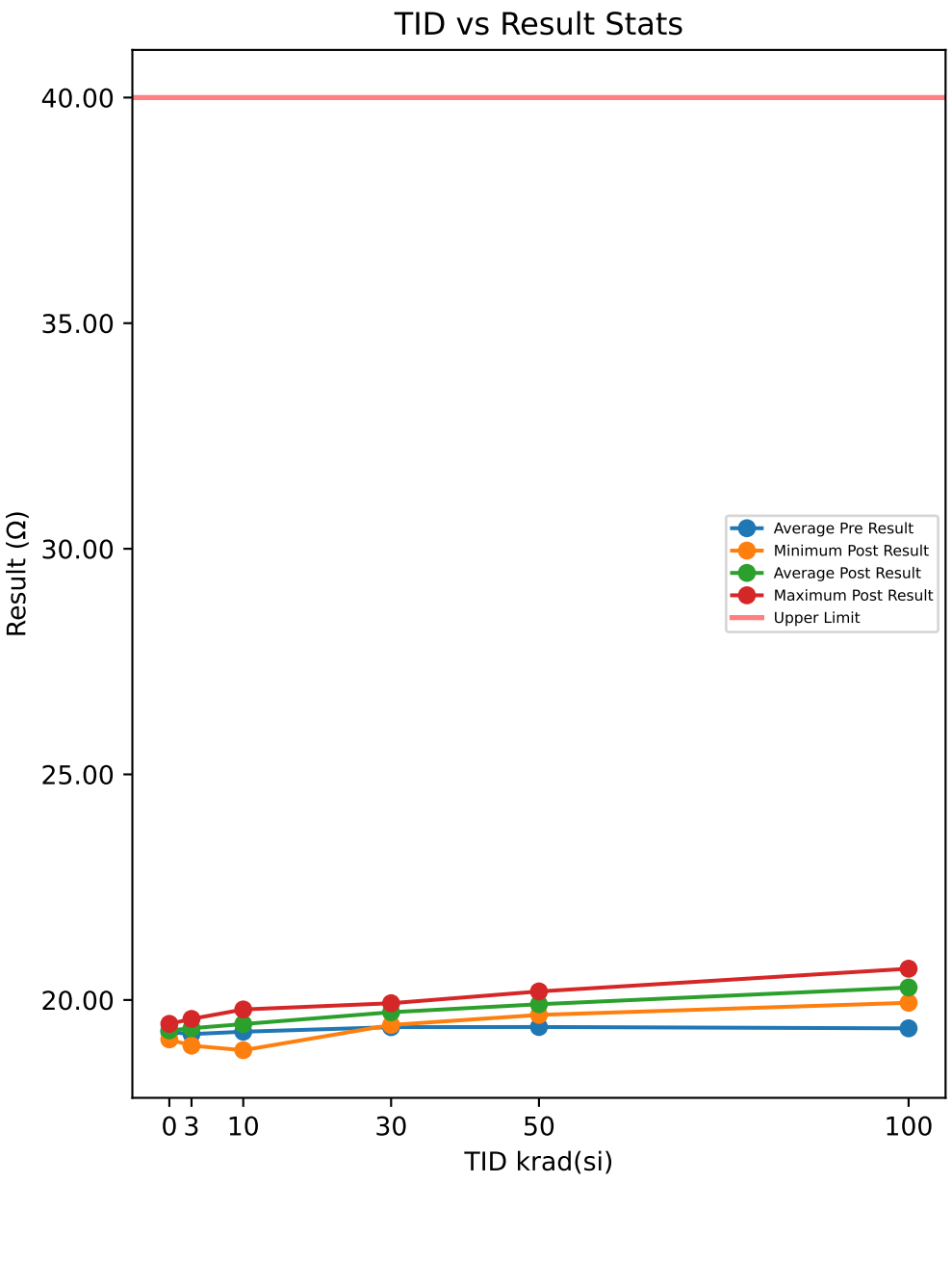
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

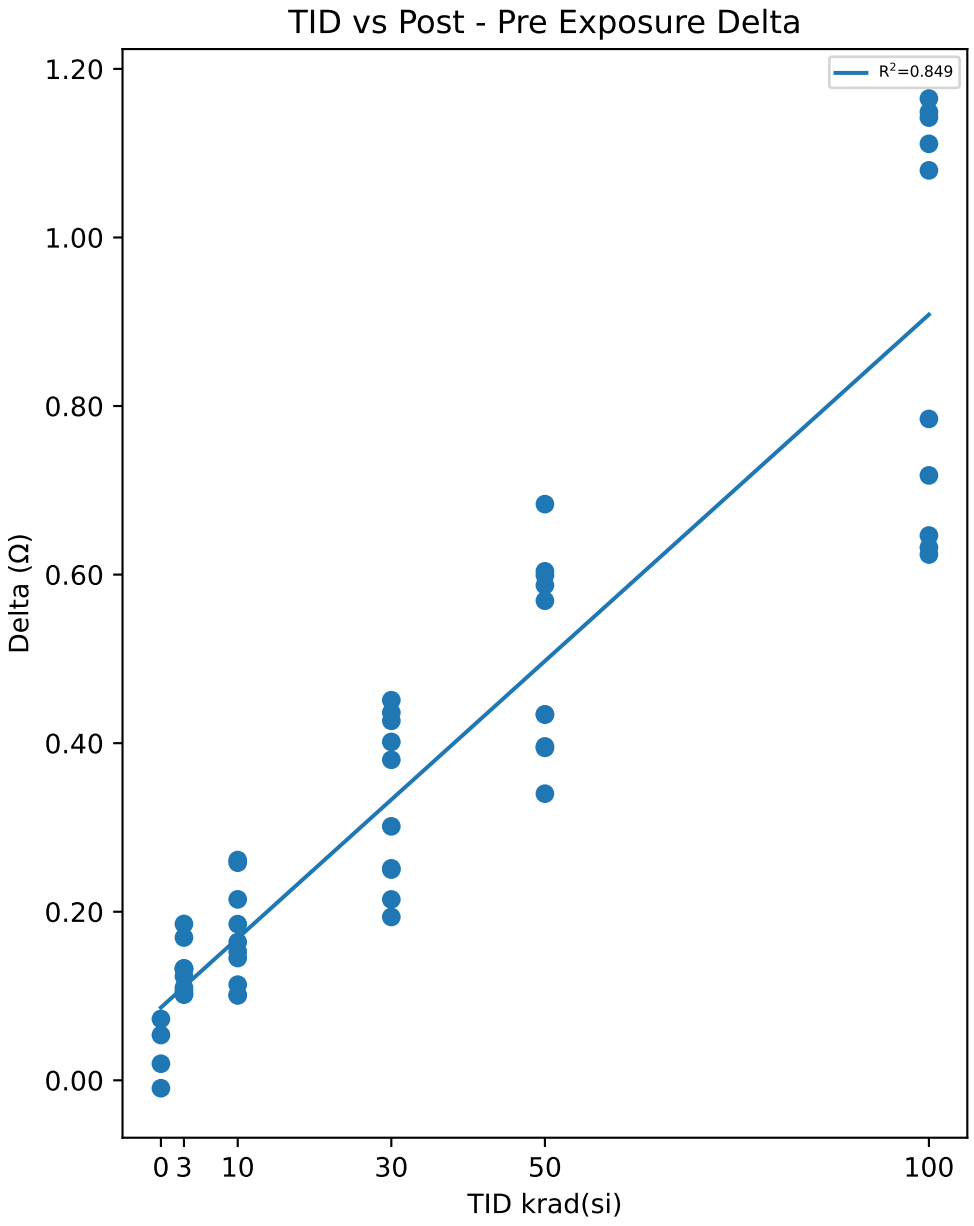
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.47	600.15	-0.3231
3	3	Biased	599.11	599.13	0.0174
4	3	Biased	601.01	600.69	-0.3236
5	3	Biased	600.33	600.28	-0.0515
6	3	Biased	599.72	599.74	0.0169
7	3	Unbiased	599.31	599.33	0.0173
8	3	Unbiased	598.84	598.86	0.0177
9	3	Unbiased	599.18	599.06	-0.1183
10	3	Unbiased	599.65	599.94	0.2885
11	3	Unbiased	598.98	598.86	-0.1182
12	10	Unbiased	599.79	600.01	0.2205
13	10	Unbiased	599.18	599.33	0.1532
14	10	Unbiased	599.93	599.88	-0.0512
15	10	Unbiased	600.4	600.08	-0.323
16	10	Unbiased	598.84	598.65	-0.186
17	10	Biased	599.52	598.99	-0.5259
18	10	Biased	599.31	599.26	-0.0506
19	10	Biased	600.61	600.62	0.0161
20	10	Biased	599.79	599.54	-0.2547
21	10	Biased	599.86	599.47	-0.3905
22	30	Biased	599.18	598.79	-0.3899
23	30	Biased	599.72	599.54	-0.1867
24	30	Biased	599.93	599.06	-0.8657
25	30	Biased	599.86	599.94	0.0847
26	30	Biased	599.93	599.67	-0.2548
27	30	Unbiased	599.25	598.92	-0.322
28	30	Unbiased	600.33	600.21	-0.1193
29	30	Unbiased	599.79	600.08	0.2884
30	30	Unbiased	600.2	599.4	-0.7981
31	30	Unbiased	598.84	598.92	0.0856
32	50	Biased	600.33	599.88	-0.4588
33	50	Biased	600.2	599.47	-0.7302
34	50	Biased	599.99	599.88	-0.1191
35	50	Biased	599.59	599.74	0.1527
36	50	Biased	600.33	599.33	-1.0018
37	50	Unbiased	599.11	598.25	-0.8651
39	50	Unbiased	600.47	599.94	-0.5268
40	50	Unbiased	599.93	600.28	0.3561
41	50	Unbiased	600.54	600.21	-0.3231
42	50	Unbiased	600.61	600.62	0.0161
43	100	Biased	599.11	599.13	0.0174
44	100	Biased	599.72	598.99	-0.7297
45	100	Biased	598.7	598.79	0.0857
46	100	Biased	599.93	598.52	-1.4088
47	100	Biased	600.13	599.6	-0.5265
48	100	Unbiased	599.99	599.2	-0.7979
49	100	Unbiased	600.06	600.08	0.0166
50	100	Unbiased	600.74	601.03	0.2875
51	100	Unbiased	599.31	599.26	-0.0506
52	100	Unbiased	600.13	599.94	-0.1871
53	0	Correlation	599.18	599.2	0.0174
54	0	Correlation	599.99	599.81	-0.187
55	0	Correlation	600.2	600.08	-0.1192
56	0	Correlation	599.25	599.26	0.0174

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	599.18	599.65	600.2	0.51743	599.2	599.59	600.08	0.42708	-0.187	-0.06785	0.0174	0.10226
3	598.84	599.66	601.01	0.72572	598.86	599.6	600.69	0.64794	-0.3236	-0.05769	0.2885	0.17978
10	598.84	599.72	600.61	0.53688	598.65	599.58	600.62	0.57604	-0.5259	-0.13921	0.2205	0.23958
30	598.84	599.7	600.33	0.47186	598.79	599.45	600.21	0.51876	-0.8657	-0.24778	0.2884	0.37116
50	599.11	600.11	600.61	0.46966	598.25	599.76	600.62	0.65351	-1.0018	-0.35	0.3561	0.44934
100	598.7	599.78	600.74	0.59097	598.52	599.45	601.03	0.73585	-1.4088	-0.32934	0.2875	0.52435

Device Test: 18.1; RESET_RPMOS_LOW_V





Test Results (Upper Limit = 40.0 (Ω))

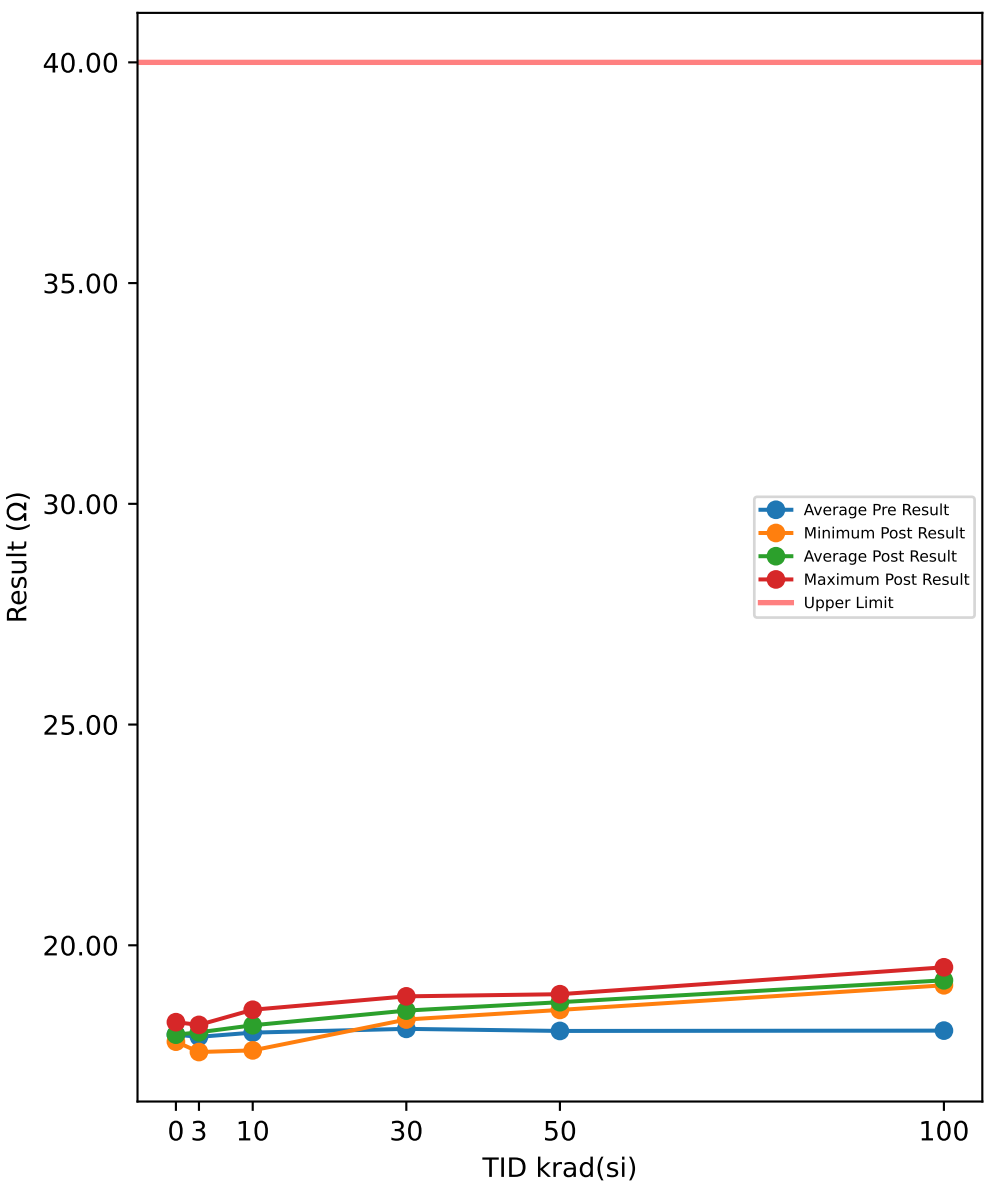
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	19.408	19.518	0.1101
3	3	Biased	19.163	19.333	0.1694
4	3	Biased	18.855	18.988	0.1328
5	3	Biased	19.479	19.58	0.1016
6	3	Biased	19.121	19.224	0.1029
7	3	Unbiased	19.188	19.373	0.1855
8	3	Unbiased	19.25	19.357	0.1066
9	3	Unbiased	19.367	19.499	0.1326
10	3	Unbiased	19.177	19.3	0.1234
11	3	Unbiased	19.435	19.567	0.1316
12	10	Unbiased	19.541	19.726	0.1853
13	10	Unbiased	19.575	19.79	0.2147
14	10	Unbiased	19.429	19.687	0.2582
15	10	Unbiased	19.412	19.565	0.1527
16	10	Unbiased	19.154	19.415	0.2613
17	10	Biased	19.274	19.388	0.1135
18	10	Biased	19.282	19.427	0.1451
19	10	Biased	18.786	18.887	0.101
20	10	Biased	19.18	19.281	0.1009
21	10	Biased	19.334	19.498	0.164
22	30	Biased	19.559	19.773	0.2146
23	30	Biased	19.734	19.928	0.1938
24	30	Biased	19.538	19.788	0.25
25	30	Biased	19.195	19.446	0.2515
26	30	Biased	19.295	19.597	0.3013
27	30	Unbiased	19.403	19.804	0.4015
28	30	Unbiased	19.466	19.893	0.4265
29	30	Unbiased	19.194	19.63	0.4363
30	30	Unbiased	19.431	19.882	0.451
31	30	Unbiased	19.164	19.544	0.3803
32	50	Biased	19.329	19.669	0.3401
33	50	Biased	19.336	19.732	0.3961
34	50	Biased	19.518	19.952	0.4342
35	50	Biased	19.391	19.825	0.4339
36	50	Biased	19.542	19.936	0.3944
37	50	Unbiased	19.352	19.956	0.6039
39	50	Unbiased	19.397	19.966	0.569
40	50	Unbiased	19.197	19.784	0.5873
41	50	Unbiased	19.506	20.189	0.6836
42	50	Unbiased	19.444	20.044	0.5991
43	100	Biased	19.291	19.938	0.6464
44	100	Biased	19.41	20.128	0.7177
45	100	Biased	19.478	20.262	0.7847
46	100	Biased	19.374	19.997	0.6238
47	100	Biased	19.386	20.018	0.6322
48	100	Unbiased	19.393	20.535	1.1422
49	100	Unbiased	19.32	20.469	1.1489
50	100	Unbiased	19.26	20.339	1.0796
51	100	Unbiased	19.276	20.387	1.1111
52	100	Unbiased	19.529	20.693	1.1648
53	0	Correlation	19.398	19.471	0.0728
54	0	Correlation	19.464	19.454	-0.0094
55	0	Correlation	19.106	19.126	0.0197
56	0	Correlation	19.199	19.253	0.0537

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	19.106	19.292	19.464	0.16728	19.126	19.326	19.471	0.16623	-0.0094	0.0342	0.0728	0.03643
3	18.855	19.244	19.479	0.18687	18.988	19.374	19.58	0.18115	0.1016	0.12965	0.1855	0.028238
10	18.786	19.297	19.575	0.22725	18.887	19.466	19.79	0.26071	0.1009	0.16967	0.2613	0.059656
30	19.164	19.398	19.734	0.18635	19.446	19.729	19.928	0.16407	0.1938	0.33068	0.451	0.098964
50	19.197	19.401	19.542	0.10528	19.669	19.905	20.189	0.15491	0.3401	0.50416	0.6836	0.11678
100	19.26	19.372	19.529	0.087391	19.938	20.277	20.693	0.25286	0.6238	0.90514	1.1648	0.24178

Device Test: 18.10; RESET_RPMOS_LOW_V

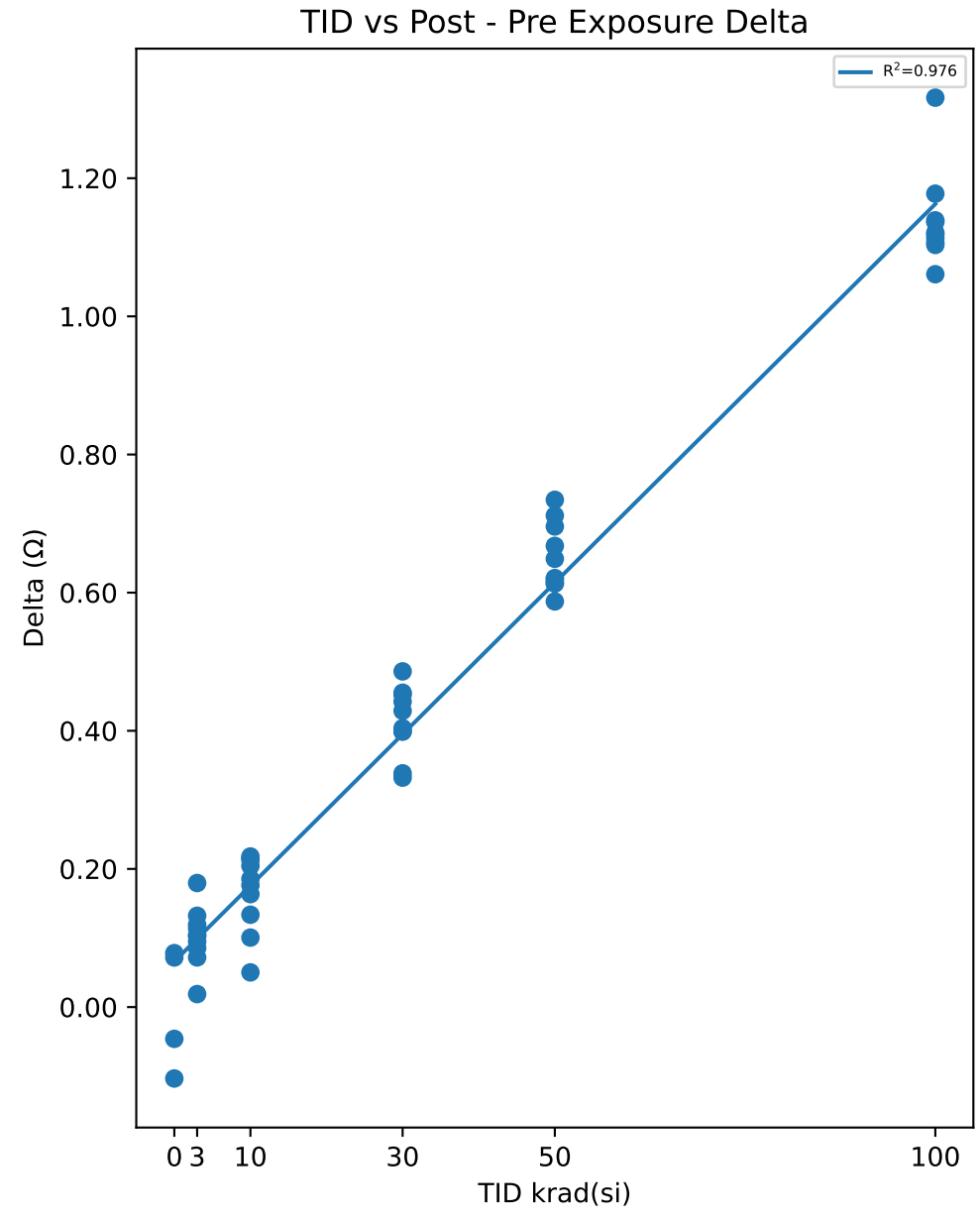
TID vs Result Stats



Test Results (Upper Limit = 40.0 (Ω))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	17.932	18.112	0.1796
3	3	Biased	17.947	18.061	0.1142
4	3	Biased	17.563	17.582	0.0188
5	3	Biased	17.983	18.102	0.1195
6	3	Biased	17.897	17.983	0.0853
7	3	Unbiased	18.064	18.197	0.1322
8	3	Unbiased	17.997	18.101	0.1037
9	3	Unbiased	17.982	18.077	0.095
10	3	Unbiased	17.862	17.934	0.0719
11	3	Unbiased	18.032	18.136	0.1034
12	10	Unbiased	18.209	18.425	0.216
13	10	Unbiased	18.322	18.54	0.218
14	10	Unbiased	18.191	18.368	0.1764
15	10	Unbiased	17.966	18.13	0.1635
16	10	Unbiased	17.965	18.066	0.1006
17	10	Biased	17.9	18.034	0.1337
18	10	Biased	18.005	18.218	0.213
19	10	Biased	17.569	17.619	0.0502
20	10	Biased	17.989	18.174	0.1856
21	10	Biased	18.104	18.308	0.2044
22	30	Biased	18.098	18.497	0.3992
23	30	Biased	18.388	18.843	0.4551
24	30	Biased	18.181	18.61	0.4289
25	30	Biased	17.866	18.318	0.4524
26	30	Biased	17.983	18.469	0.486
27	30	Unbiased	18.125	18.567	0.4423
28	30	Unbiased	18.151	18.549	0.3988
29	30	Unbiased	18.073	18.405	0.3322
30	30	Unbiased	18.142	18.546	0.4038
31	30	Unbiased	18.063	18.401	0.3384
32	50	Biased	18.031	18.649	0.6188
33	50	Biased	18.012	18.626	0.6132
34	50	Biased	18.158	18.892	0.7344
35	50	Biased	18.149	18.861	0.7116
36	50	Biased	18.186	18.881	0.6958
37	50	Unbiased	17.984	18.651	0.6677
39	50	Unbiased	17.975	18.596	0.6211
40	50	Unbiased	17.922	18.536	0.6139
41	50	Unbiased	18.142	18.791	0.649
42	50	Unbiased	18.04	18.628	0.5873
43	100	Biased	18.054	19.193	1.139
44	100	Biased	17.946	19.124	1.1776
45	100	Biased	18.185	19.502	1.3166
46	100	Biased	17.973	19.094	1.1212
47	100	Biased	18.082	19.201	1.1186
48	100	Unbiased	18.082	19.185	1.1034
49	100	Unbiased	18.073	19.18	1.1067
50	100	Unbiased	18.071	19.184	1.1131
51	100	Unbiased	17.997	19.134	1.1366
52	100	Unbiased	18.209	19.27	1.061
53	0	Correlation	17.931	17.827	-0.1034
54	0	Correlation	18.18	18.258	0.0781
55	0	Correlation	17.863	17.817	-0.046
56	0	Correlation	17.927	17.999	0.0718

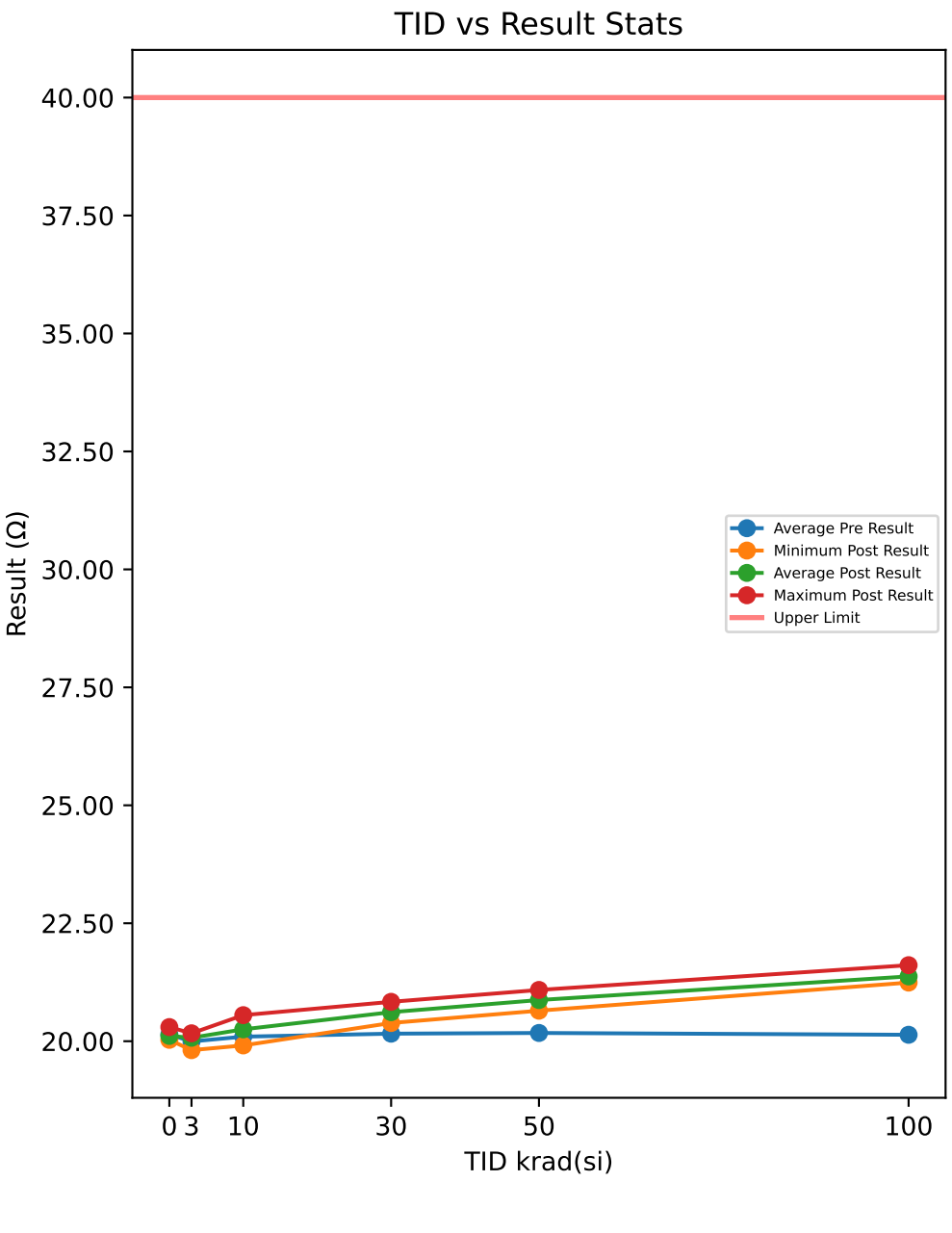
TID vs Post - Pre Exposure Delta

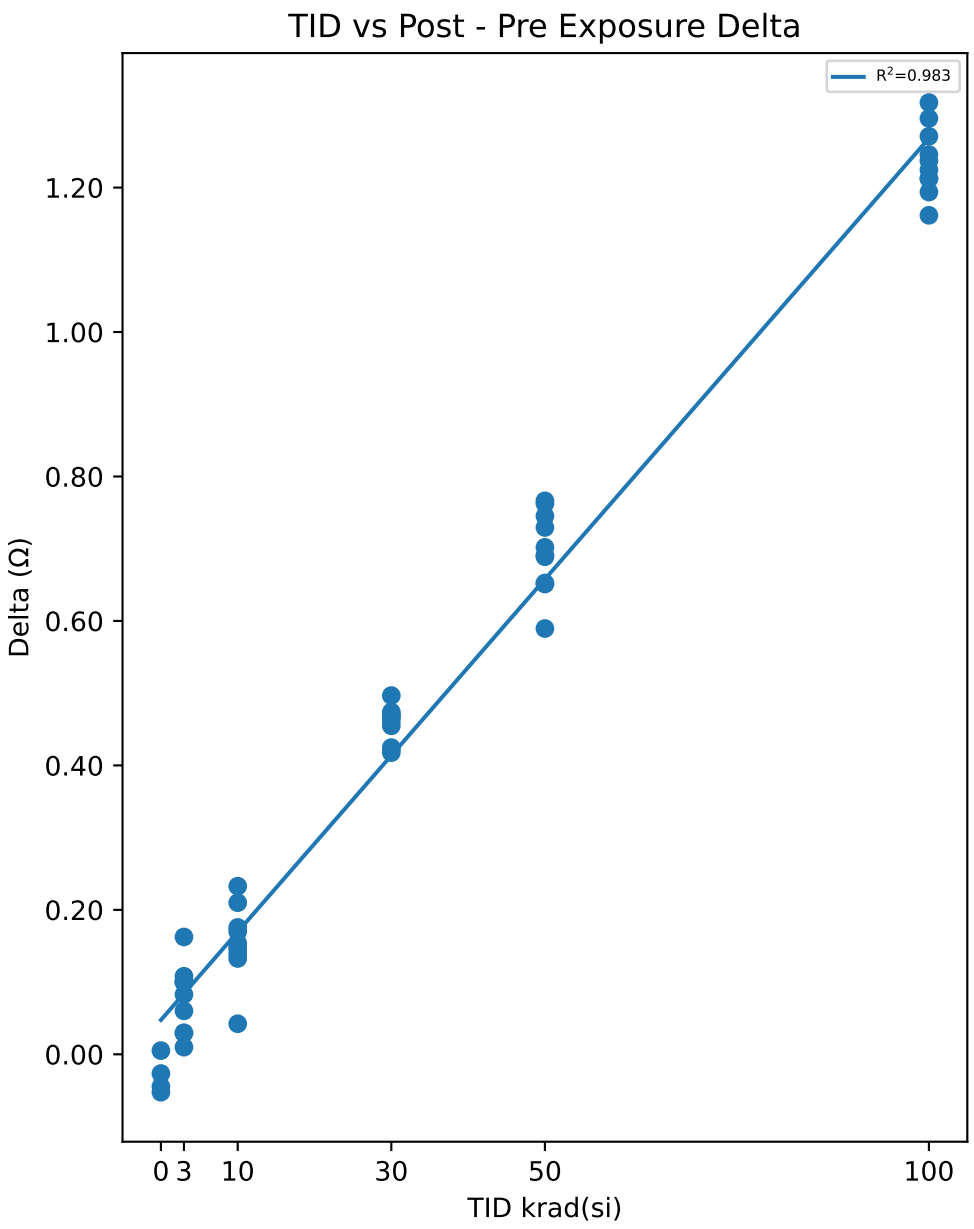


Test Statistics (Ω)

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	17.863	17.975	18.18	0.14013	17.817	17.975	18.258	0.20618	-0.1034	0.000125	0.0781	0.089559
3	17.563	17.926	18.064	0.14097	17.582	18.029	18.197	0.17357	0.0188	0.10236	0.1796	0.041565
10	17.569	18.022	18.322	0.20756	17.619	18.188	18.54	0.2567	0.0502	0.16614	0.218	0.055893
30	17.866	18.107	18.388	0.13532	18.318	18.521	18.843	0.14435	0.3322	0.41371	0.486	0.049811
50	17.922	18.06	18.186	0.091656	18.536	18.711	18.892	0.13172	0.5873	0.65128	0.7344	0.049115
100	17.946	18.067	18.209	0.083749	19.094	19.207	19.502	0.11442	1.061	1.1394	1.3166	0.068988

Device Test: 18.11; PWRGD_RPMOS_LOW_V





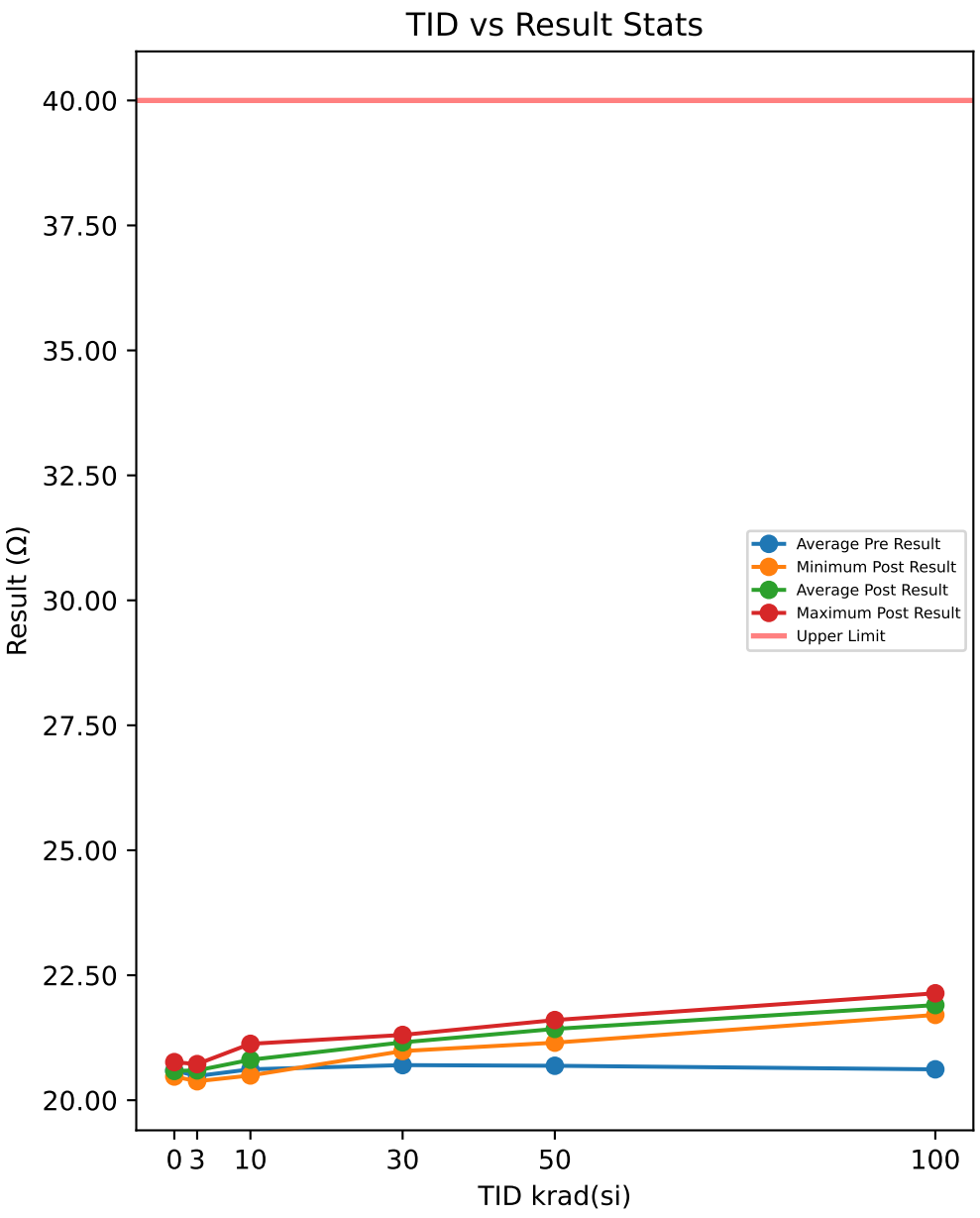
Test Results (Upper Limit = 40.0 (Ω))

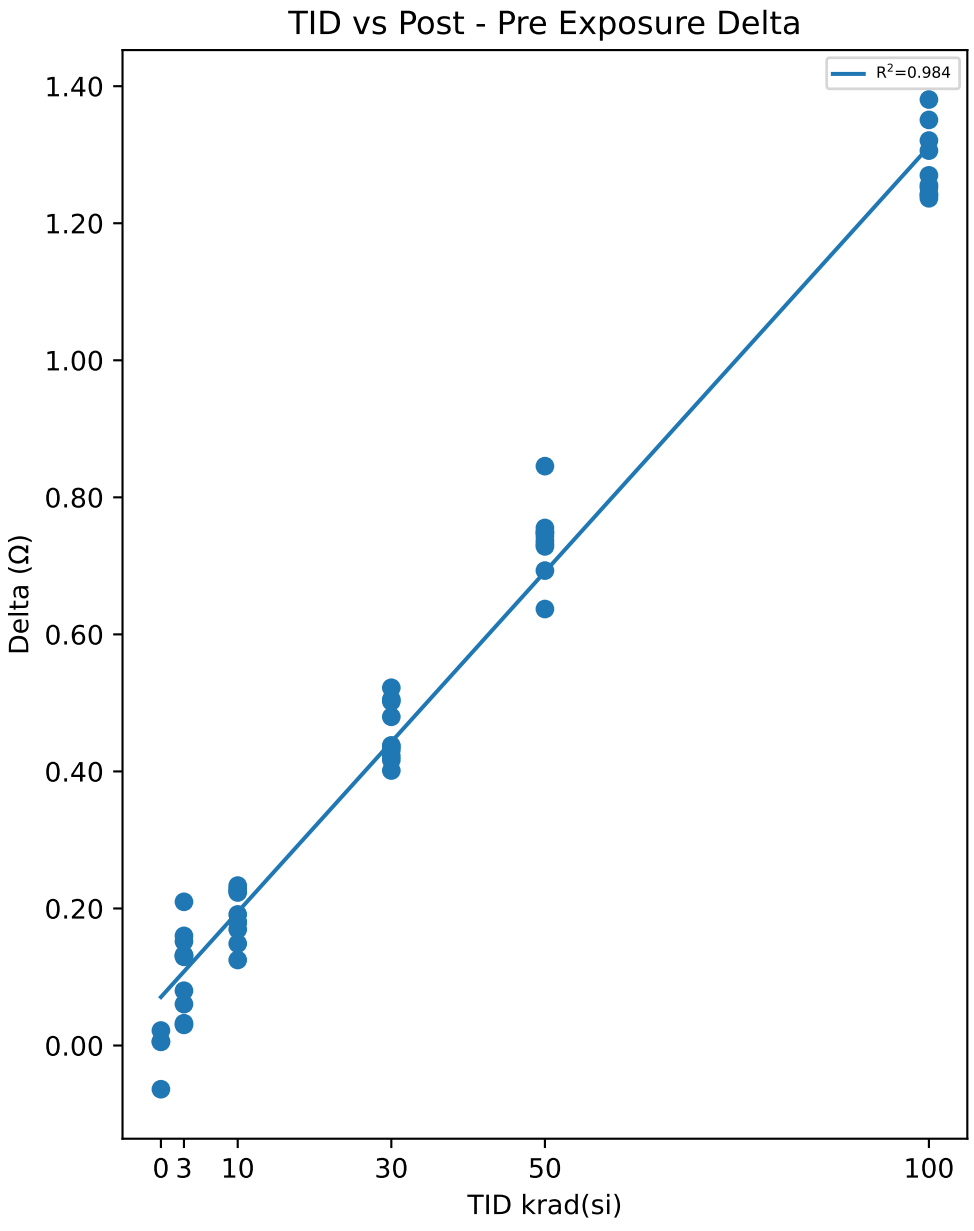
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	19.963	20.125	0.1625
3	3	Biased	20.014	20.096	0.0828
4	3	Biased	19.71	19.811	0.1005
5	3	Biased	20.059	20.168	0.1081
6	3	Biased	20.006	20.105	0.0995
7	3	Unbiased	20.083	20.143	0.0602
8	3	Unbiased	20.005	20.015	0.0099
9	3	Unbiased	20.023	20.124	0.1015
10	3	Unbiased	20.003	20.033	0.0294
11	3	Unbiased	20.082	20.112	0.0298
12	10	Unbiased	20.183	20.416	0.2328
13	10	Unbiased	20.342	20.552	0.2099
14	10	Unbiased	20.237	20.413	0.1757
15	10	Unbiased	20.064	20.197	0.1327
16	10	Unbiased	19.976	20.13	0.1538
17	10	Biased	19.937	20.082	0.1455
18	10	Biased	20.142	20.311	0.1699
19	10	Biased	19.869	19.911	0.0423
20	10	Biased	20.059	20.198	0.1385
21	10	Biased	20.159	20.308	0.149
22	30	Biased	20.083	20.544	0.4614
23	30	Biased	20.38	20.835	0.4548
24	30	Biased	20.275	20.744	0.4685
25	30	Biased	19.92	20.386	0.4665
26	30	Biased	19.964	20.435	0.4704
27	30	Unbiased	20.255	20.677	0.4229
28	30	Unbiased	20.133	20.63	0.4967
29	30	Unbiased	20.255	20.673	0.4177
30	30	Unbiased	20.219	20.692	0.4739
31	30	Unbiased	20.116	20.541	0.4247
32	50	Biased	20.165	20.931	0.7663
33	50	Biased	20.05	20.739	0.6889
34	50	Biased	20.324	21.087	0.7626
35	50	Biased	20.229	20.975	0.7452
36	50	Biased	20.277	20.979	0.7019
37	50	Unbiased	20.139	20.79	0.6511
39	50	Unbiased	20.015	20.745	0.7294
40	50	Unbiased	20.057	20.647	0.5895
41	50	Unbiased	20.276	20.929	0.6525
42	50	Unbiased	20.216	20.907	0.6908
43	100	Biased	20.234	21.428	1.1938
44	100	Biased	19.966	21.262	1.2957
45	100	Biased	20.294	21.611	1.3177
46	100	Biased	20.067	21.312	1.2456
47	100	Biased	20.075	21.287	1.2121
48	100	Unbiased	20.127	21.352	1.2245
49	100	Unbiased	20.091	21.362	1.271
50	100	Unbiased	20.177	21.39	1.2128
51	100	Unbiased	20.006	21.243	1.237
52	100	Unbiased	20.328	21.49	1.1616
53	0	Correlation	20.126	20.082	-0.0446
54	0	Correlation	20.326	20.3	-0.0266
55	0	Correlation	20.025	20.03	0.0051
56	0	Correlation	20.093	20.041	-0.0525

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	20.025	20.143	20.326	0.12965	20.03	20.113	20.3	0.12657	-0.0525	-0.02965	0.0051	0.025577
3	19.71	19.995	20.083	0.10697	19.811	20.073	20.168	0.10333	0.0099	0.07842	0.1625	0.046222
10	19.869	20.097	20.342	0.14454	19.911	20.252	20.552	0.18726	0.0423	0.15501	0.2328	0.050898
30	19.92	20.16	20.38	0.14438	20.386	20.616	20.835	0.13886	0.4177	0.45575	0.4967	0.025869
50	20.015	20.175	20.324	0.10737	20.647	20.873	21.087	0.13627	0.5895	0.69782	0.7663	0.056019
100	19.966	20.136	20.328	0.12007	21.243	21.374	21.611	0.11299	1.1616	1.2372	1.3177	0.047259

Device Test: 18.12; WDO_RPMOS_LOW_V





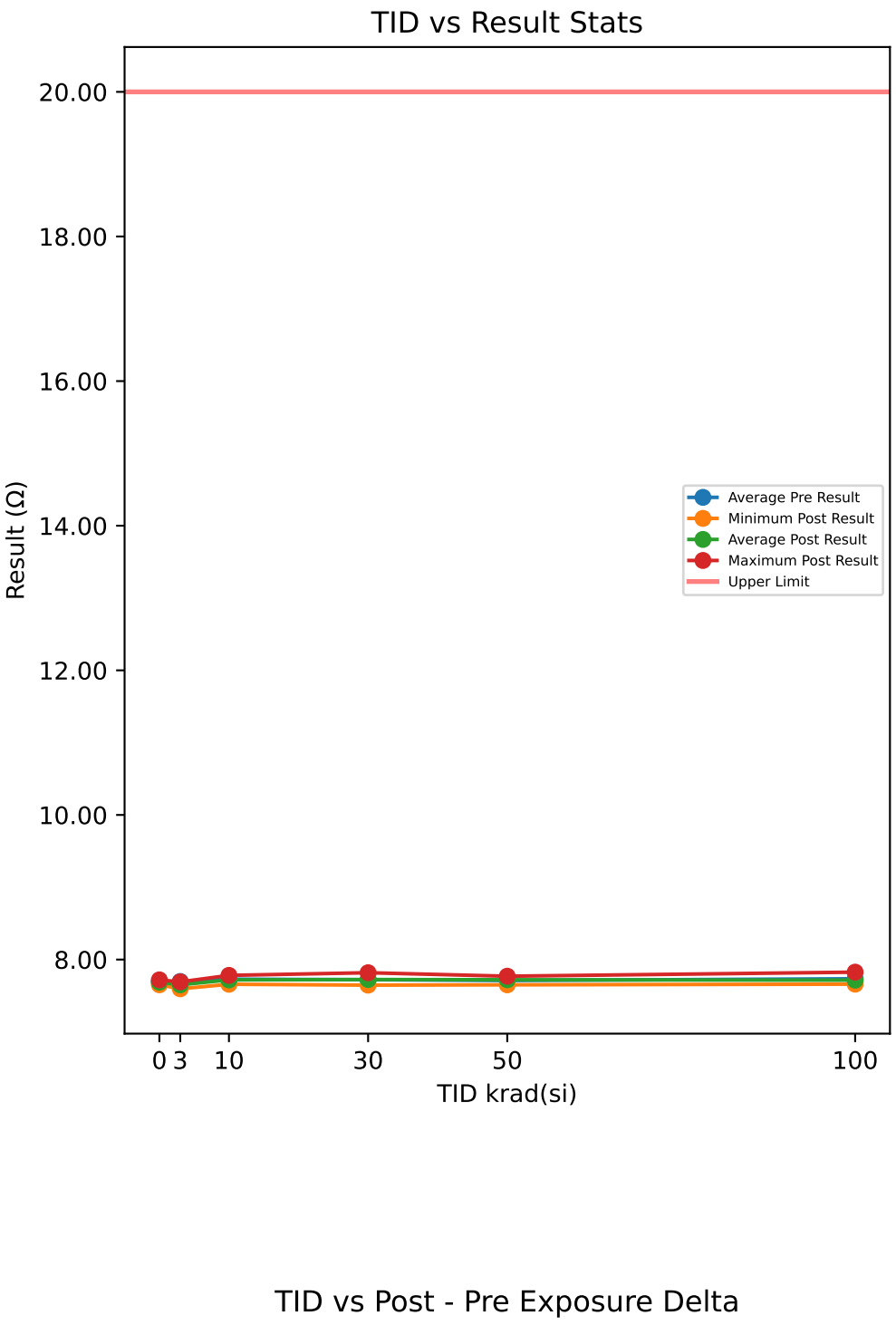
Test Results (Upper Limit = 40.0 (Ω))

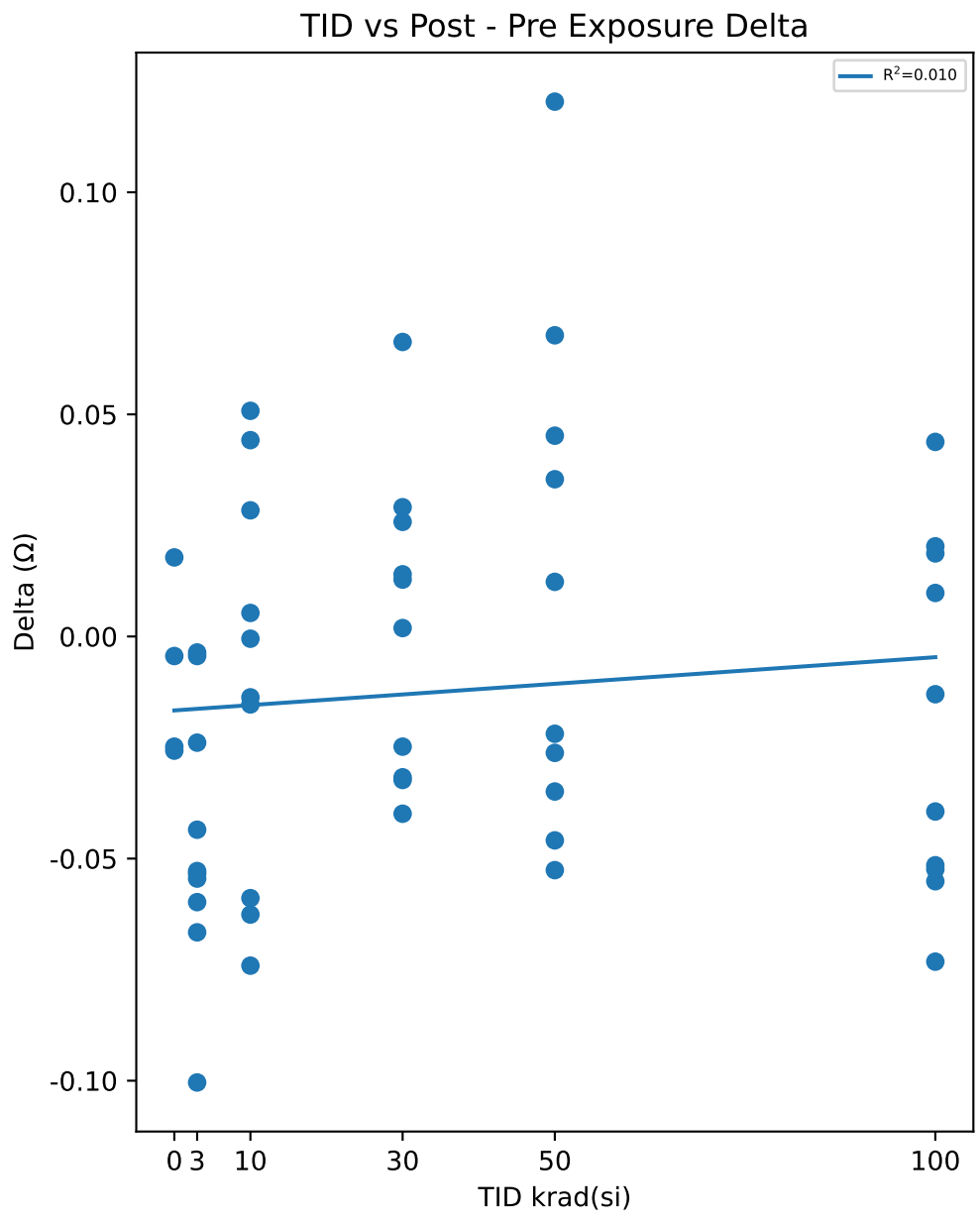
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	20.428	20.588	0.16
3	3	Biased	20.457	20.609	0.1519
4	3	Biased	20.169	20.379	0.2097
5	3	Biased	20.593	20.723	0.1294
6	3	Biased	20.481	20.612	0.1315
7	3	Unbiased	20.569	20.701	0.1319
8	3	Unbiased	20.536	20.597	0.0604
9	3	Unbiased	20.506	20.536	0.0301
10	3	Unbiased	20.5	20.58	0.08
11	3	Unbiased	20.608	20.64	0.0325
12	10	Unbiased	20.802	20.981	0.1795
13	10	Unbiased	20.895	21.128	0.2334
14	10	Unbiased	20.694	20.917	0.2233
15	10	Unbiased	20.585	20.733	0.1487
16	10	Unbiased	20.465	20.645	0.1804
17	10	Biased	20.5	20.669	0.1695
18	10	Biased	20.63	20.856	0.2256
19	10	Biased	20.37	20.495	0.1248
20	10	Biased	20.564	20.792	0.2287
21	10	Biased	20.682	20.874	0.1913
22	30	Biased	20.643	21.123	0.4797
23	30	Biased	20.879	21.302	0.4225
24	30	Biased	20.801	21.306	0.5052
25	30	Biased	20.461	20.983	0.5221
26	30	Biased	20.591	21.093	0.5021
27	30	Unbiased	20.743	21.145	0.4013
28	30	Unbiased	20.714	21.152	0.438
29	30	Unbiased	20.778	21.214	0.4359
30	30	Unbiased	20.774	21.205	0.4311
31	30	Unbiased	20.637	21.053	0.4166
32	50	Biased	20.672	21.427	0.7553
33	50	Biased	20.53	21.259	0.7284
34	50	Biased	20.855	21.604	0.7487
35	50	Biased	20.689	21.534	0.8455
36	50	Biased	20.853	21.602	0.749
37	50	Unbiased	20.707	21.4	0.6931
39	50	Unbiased	20.594	21.326	0.7317
40	50	Unbiased	20.514	21.151	0.637
41	50	Unbiased	20.791	21.528	0.7368
42	50	Unbiased	20.686	21.429	0.7435
43	100	Biased	20.667	21.937	1.2699
44	100	Biased	20.438	21.789	1.3508
45	100	Biased	20.758	22.139	1.3805
46	100	Biased	20.523	21.829	1.306
47	100	Biased	20.627	21.867	1.2406
48	100	Unbiased	20.584	21.84	1.2556
49	100	Unbiased	20.556	21.877	1.3207
50	100	Unbiased	20.674	21.926	1.2518
51	100	Unbiased	20.47	21.707	1.2364
52	100	Unbiased	20.878	22.12	1.2428
53	0	Correlation	20.575	20.597	0.0219
54	0	Correlation	20.826	20.762	-0.0638
55	0	Correlation	20.503	20.508	0.0053
56	0	Correlation	20.468	20.474	0.006

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	20.468	20.593	20.826	0.16165	20.474	20.585	20.762	0.12886	-0.0638	-0.00765	0.0219	0.03821
3	20.169	20.485	20.608	0.12501	20.379	20.596	20.723	0.094434	0.0301	0.11174	0.2097	0.058911
10	20.37	20.619	20.895	0.15753	20.495	20.809	21.128	0.18274	0.1248	0.19052	0.2334	0.037022
30	20.461	20.702	20.879	0.12108	20.983	21.158	21.306	0.10274	0.4013	0.45545	0.5221	0.042802
50	20.514	20.689	20.855	0.12028	21.151	21.426	21.604	0.14865	0.637	0.7369	0.8455	0.052132
100	20.438	20.618	20.878	0.13369	21.707	21.903	22.139	0.13644	1.2364	1.2855	1.3805	0.051068

Device Test: 18.13; RESET_RPMOS_HIGH_V





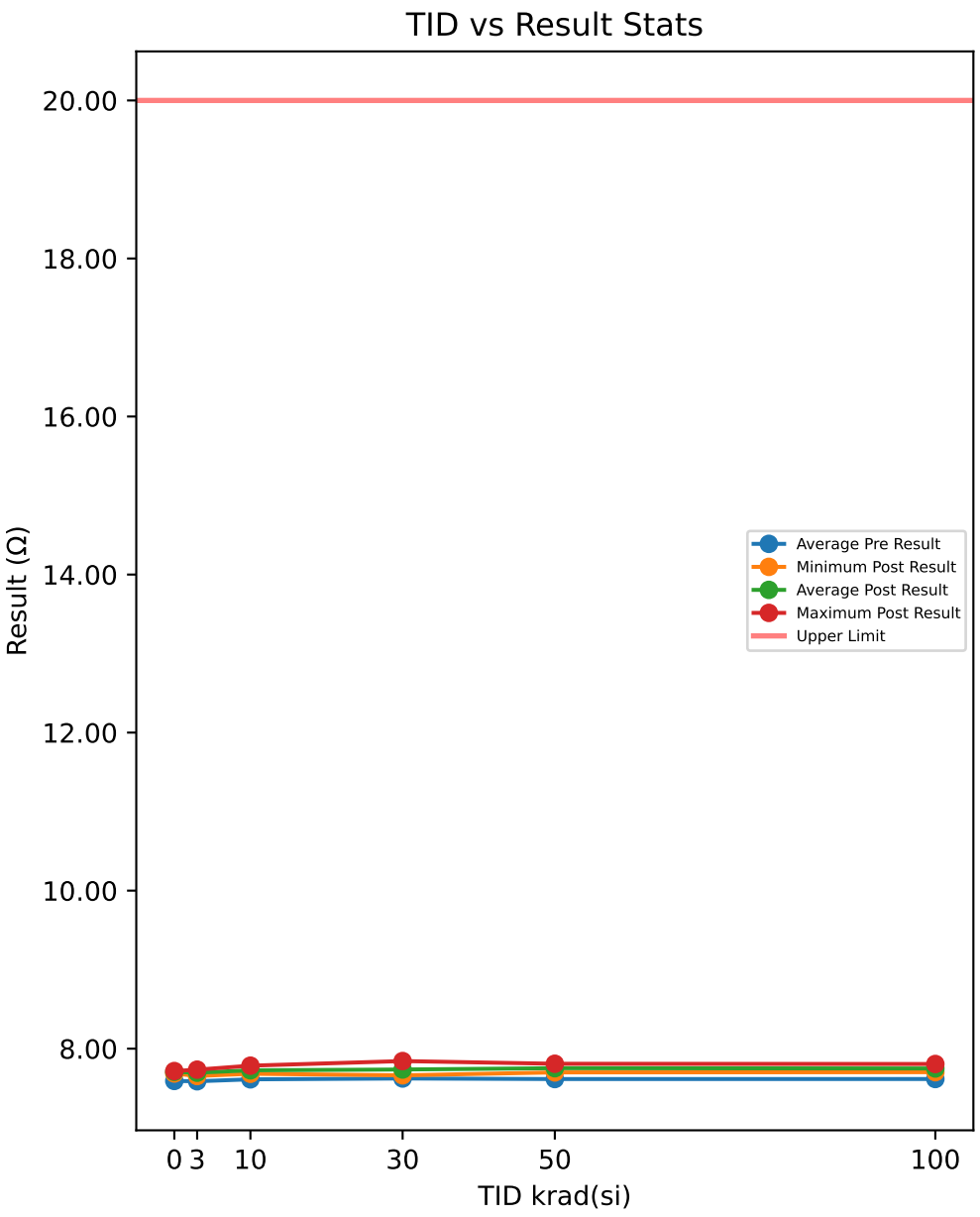
Test Results (Upper Limit = 20.0 (Ω))

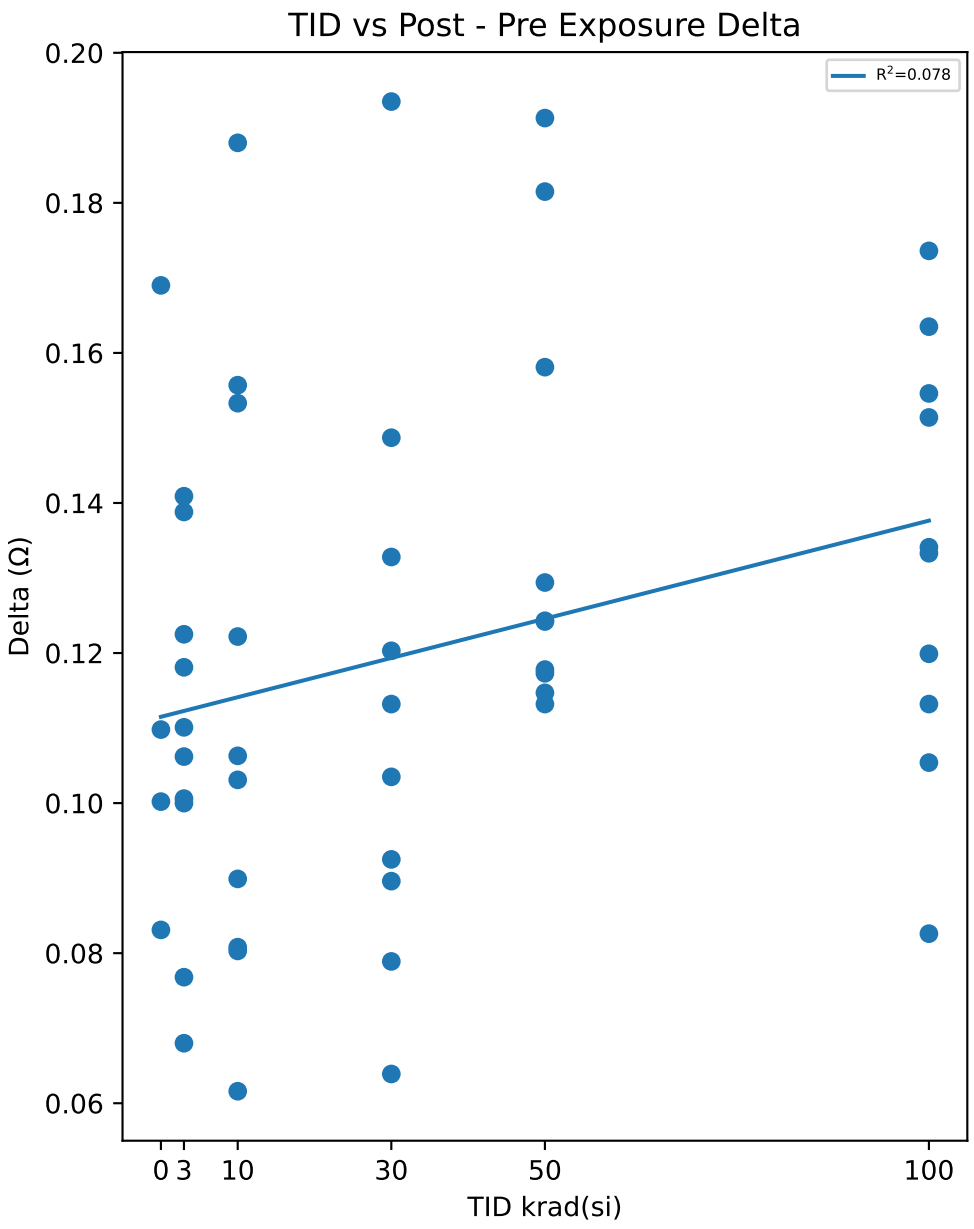
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	7.7334	7.6806	-0.0528
3	3	Biased	7.6861	7.6825	-0.0036
4	3	Biased	7.6358	7.6314	-0.0044
5	3	Biased	7.7458	7.6913	-0.0545
6	3	Biased	7.6627	7.5961	-0.0666
7	3	Unbiased	7.6961	7.5957	-0.1004
8	3	Unbiased	7.7024	7.649	-0.0534
9	3	Unbiased	7.6888	7.6649	-0.0239
10	3	Unbiased	7.713	7.6532	-0.0598
11	3	Unbiased	7.7042	7.6607	-0.0435
12	10	Unbiased	7.7965	7.7812	-0.0153
13	10	Unbiased	7.7659	7.7712	0.0053
14	10	Unbiased	7.7066	7.7574	0.0508
15	10	Unbiased	7.7306	7.7169	-0.0137
16	10	Unbiased	7.6735	7.7177	0.0442
17	10	Biased	7.7174	7.6585	-0.0589
18	10	Biased	7.7411	7.667	-0.0741
19	10	Biased	7.6893	7.6888	-0.0005
20	10	Biased	7.7258	7.6632	-0.0626
21	10	Biased	7.7378	7.7662	0.0284
22	30	Biased	7.7403	7.7543	0.014
23	30	Biased	7.805	7.8178	0.0128
24	30	Biased	7.7466	7.7757	0.0291
25	30	Biased	7.6863	7.6464	-0.0399
26	30	Biased	7.7011	7.6763	-0.0248
27	30	Unbiased	7.7267	7.7286	0.0019
28	30	Unbiased	7.7122	7.7785	0.0663
29	30	Unbiased	7.6989	7.6666	-0.0323
30	30	Unbiased	7.6864	7.7122	0.0258
31	30	Unbiased	7.7127	7.681	-0.0317
32	50	Biased	7.6966	7.6507	-0.0459
33	50	Biased	7.6494	7.7698	0.1204
34	50	Biased	7.77	7.7438	-0.0262
35	50	Biased	7.7091	7.7543	0.0452
36	50	Biased	7.779	7.7571	-0.0219
37	50	Unbiased	7.6888	7.7011	0.0123
39	50	Unbiased	7.7092	7.6743	-0.0349
40	50	Unbiased	7.6479	7.7157	0.0678
41	50	Unbiased	7.7136	7.749	0.0354
42	50	Unbiased	7.7428	7.6902	-0.0526
43	100	Biased	7.7069	7.7167	0.0098
44	100	Biased	7.7592	7.7041	-0.0551
45	100	Biased	7.7792	7.7398	-0.0394
46	100	Biased	7.7114	7.6599	-0.0515
47	100	Biased	7.7689	7.6957	-0.0732
48	100	Unbiased	7.706	7.693	-0.013
49	100	Unbiased	7.7145	7.6621	-0.0524
50	100	Unbiased	7.6992	7.7195	0.0203
51	100	Unbiased	7.782	7.8258	0.0438
52	100	Unbiased	7.7142	7.7329	0.0187
53	0	Correlation	7.7014	7.7192	0.0178
54	0	Correlation	7.7195	7.6938	-0.0257
55	0	Correlation	7.6763	7.6515	-0.0248
56	0	Correlation	7.6857	7.6813	-0.0044

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	7.6763	7.6957	7.7195	0.018932	7.6515	7.6865	7.7192	0.028134	-0.0257	-0.009275	0.0178	0.020556
3	7.6358	7.6968	7.7458	0.031889	7.5957	7.6505	7.6913	0.033736	-0.1004	-0.04629	-0.0036	0.029382
10	7.6735	7.7284	7.7965	0.035659	7.6585	7.7188	7.7812	0.047949	-0.0741	-0.00964	0.0508	0.044398
30	7.6863	7.7216	7.805	0.035815	7.6464	7.7237	7.8178	0.056726	-0.0399	0.00212	0.0663	0.034127
50	7.6479	7.7106	7.779	0.044228	7.6507	7.7206	7.7698	0.040265	-0.0526	0.00996	0.1204	0.056575
100	7.6992	7.7341	7.782	0.033685	7.6599	7.7149	7.8258	0.047193	-0.0732	-0.0192	0.0438	0.040282

Device Test: 18.14; RESET_RPMOS_HIGH_V





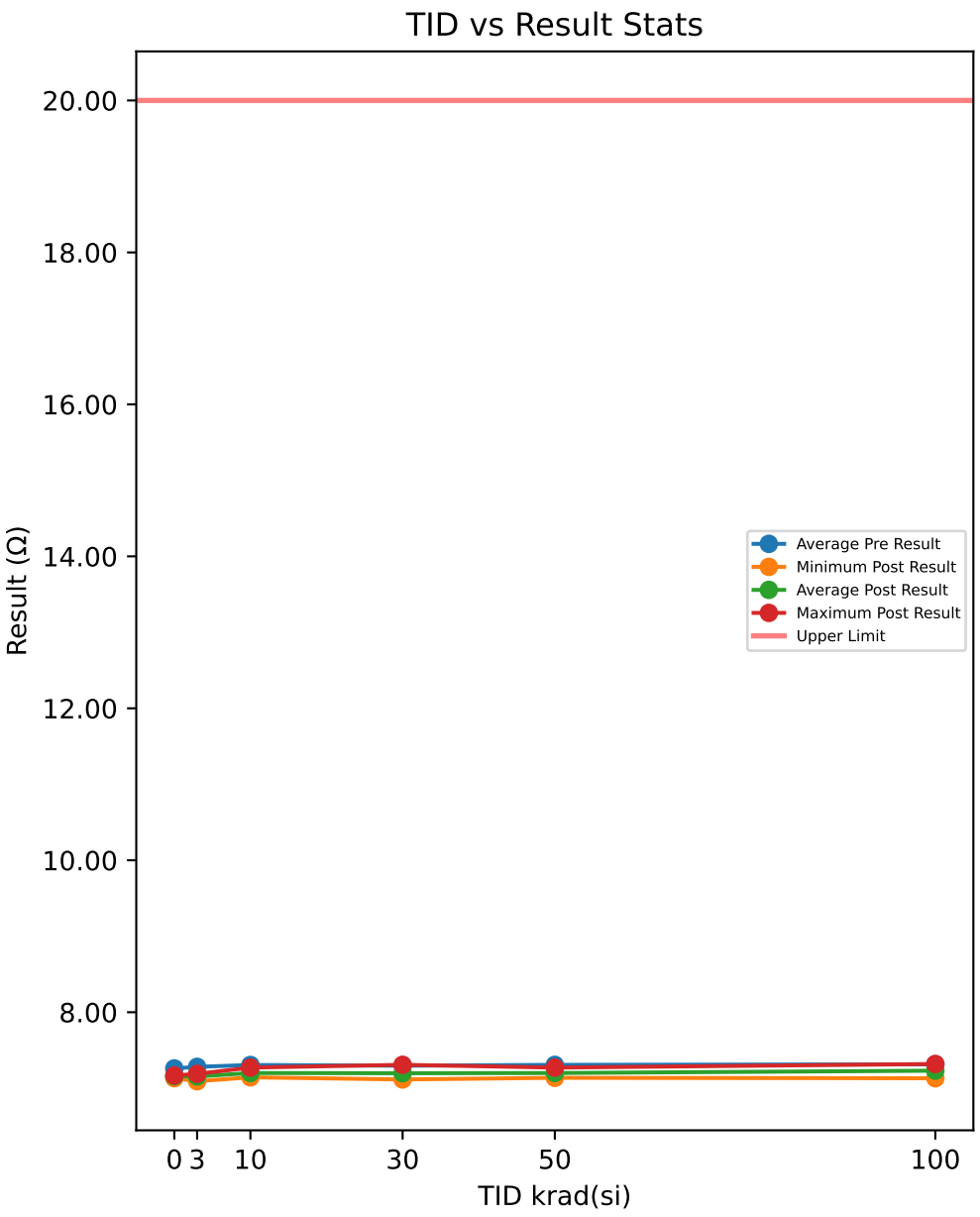
Test Results (Upper Limit = 20.0 (Ω))

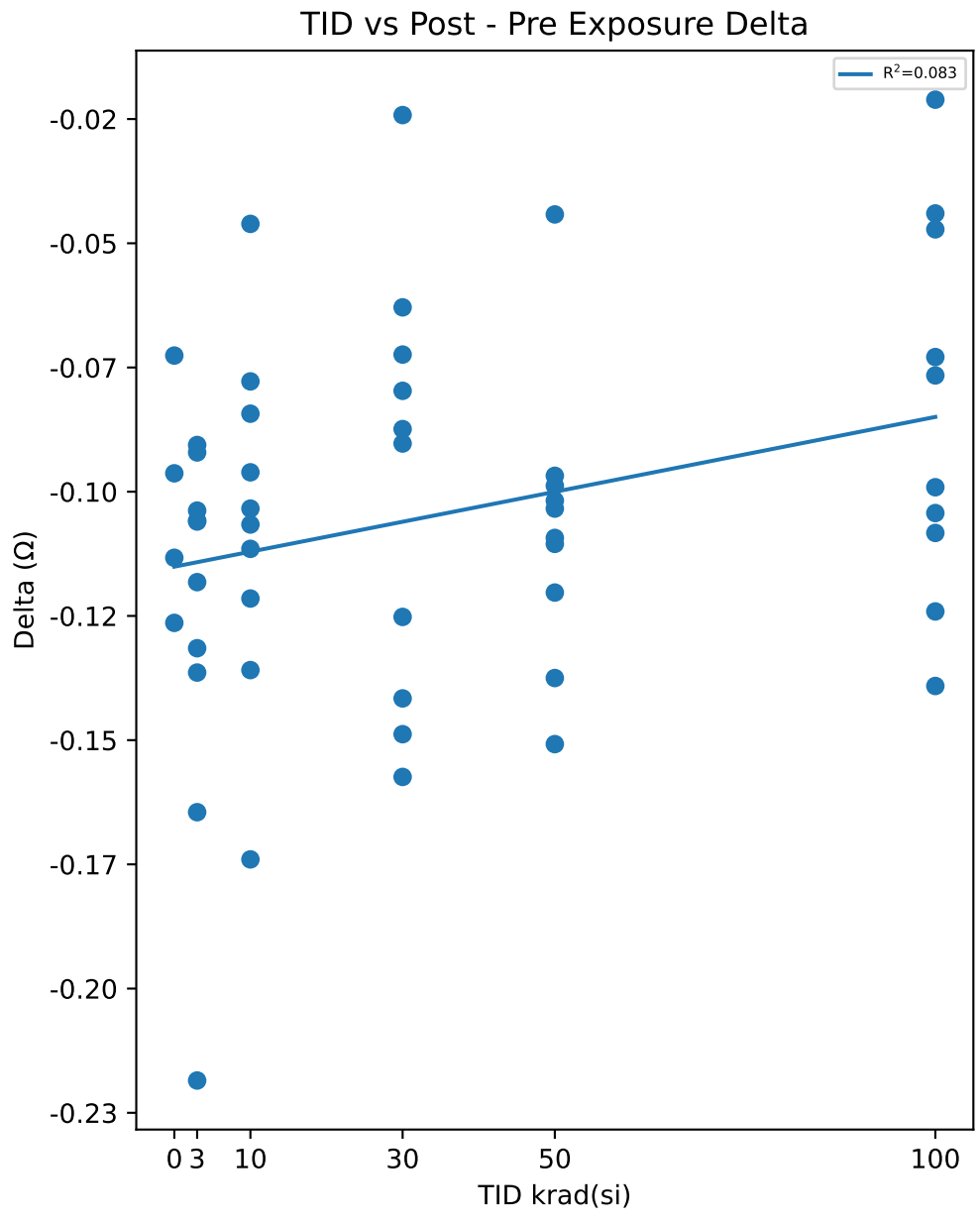
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	7.5728	7.7137	0.1409
3	3	Biased	7.6343	7.7343	0.1
4	3	Biased	7.5151	7.6539	0.1388
5	3	Biased	7.6064	7.7245	0.1181
6	3	Biased	7.5685	7.6691	0.1006
7	3	Unbiased	7.5408	7.6633	0.1225
8	3	Unbiased	7.624	7.7008	0.0768
9	3	Unbiased	7.5786	7.6848	0.1062
10	3	Unbiased	7.6081	7.7182	0.1101
11	3	Unbiased	7.6259	7.6939	0.068
12	10	Unbiased	7.673	7.7533	0.0803
13	10	Unbiased	7.6477	7.754	0.1063
14	10	Unbiased	7.6362	7.6978	0.0616
15	10	Unbiased	7.5966	7.7846	0.188
16	10	Unbiased	7.5394	7.6951	0.1557
17	10	Biased	7.5992	7.7023	0.1031
18	10	Biased	7.6336	7.7558	0.1222
19	10	Biased	7.5923	7.6822	0.0899
20	10	Biased	7.6262	7.707	0.0808
21	10	Biased	7.5745	7.7278	0.1533
22	30	Biased	7.6195	7.7398	0.1203
23	30	Biased	7.6496	7.8431	0.1935
24	30	Biased	7.6708	7.8036	0.1328
25	30	Biased	7.5681	7.6716	0.1035
26	30	Biased	7.6069	7.7201	0.1132
27	30	Unbiased	7.6351	7.714	0.0789
28	30	Unbiased	7.5967	7.7454	0.1487
29	30	Unbiased	7.5702	7.6627	0.0925
30	30	Unbiased	7.6346	7.7242	0.0896
31	30	Unbiased	7.6741	7.738	0.0639
32	50	Biased	7.6129	7.7423	0.1294
33	50	Biased	7.5923	7.7738	0.1815
34	50	Biased	7.6438	7.7611	0.1173
35	50	Biased	7.583	7.7743	0.1913
36	50	Biased	7.6847	7.8089	0.1242
37	50	Unbiased	7.6423	7.7555	0.1132
39	50	Unbiased	7.5752	7.6995	0.1243
40	50	Unbiased	7.5881	7.7462	0.1581
41	50	Unbiased	7.6193	7.7371	0.1178
42	50	Unbiased	7.614	7.7287	0.1147
43	100	Biased	7.6392	7.7446	0.1054
44	100	Biased	7.588	7.7213	0.1333
45	100	Biased	7.6504	7.7703	0.1199
46	100	Biased	7.5402	7.7037	0.1635
47	100	Biased	7.6136	7.7872	0.1736
48	100	Unbiased	7.6754	7.758	0.0826
49	100	Unbiased	7.5672	7.7218	0.1546
50	100	Unbiased	7.5891	7.7023	0.1132
51	100	Unbiased	7.6718	7.8059	0.1341
52	100	Unbiased	7.6253	7.7767	0.1514
53	0	Correlation	7.5859	7.6861	0.1002
54	0	Correlation	7.6279	7.711	0.0831
55	0	Correlation	7.5475	7.7165	0.169
56	0	Correlation	7.6047	7.7145	0.1098

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	7.5475	7.5915	7.6279	0.033993	7.6861	7.707	7.7165	0.014134	0.0831	0.11552	0.169	0.037321
3	7.5151	7.5874	7.6343	0.039239	7.6539	7.6957	7.7343	0.027492	0.068	0.1082	0.1409	0.023671
10	7.5394	7.6119	7.673	0.039037	7.6822	7.726	7.7846	0.034068	0.0616	0.11412	0.188	0.040234
30	7.5681	7.6226	7.6741	0.037487	7.6627	7.7363	7.8431	0.054306	0.0639	0.11369	0.1935	0.037752
50	7.5752	7.6156	7.6847	0.03383	7.6995	7.7527	7.8089	0.029718	0.1132	0.13718	0.1913	0.029015
100	7.5402	7.616	7.6754	0.044834	7.7023	7.7492	7.8059	0.036145	0.0826	0.13316	0.1736	0.028383

Device Test: 18.15; RESET_RPMOS_HIGH_V





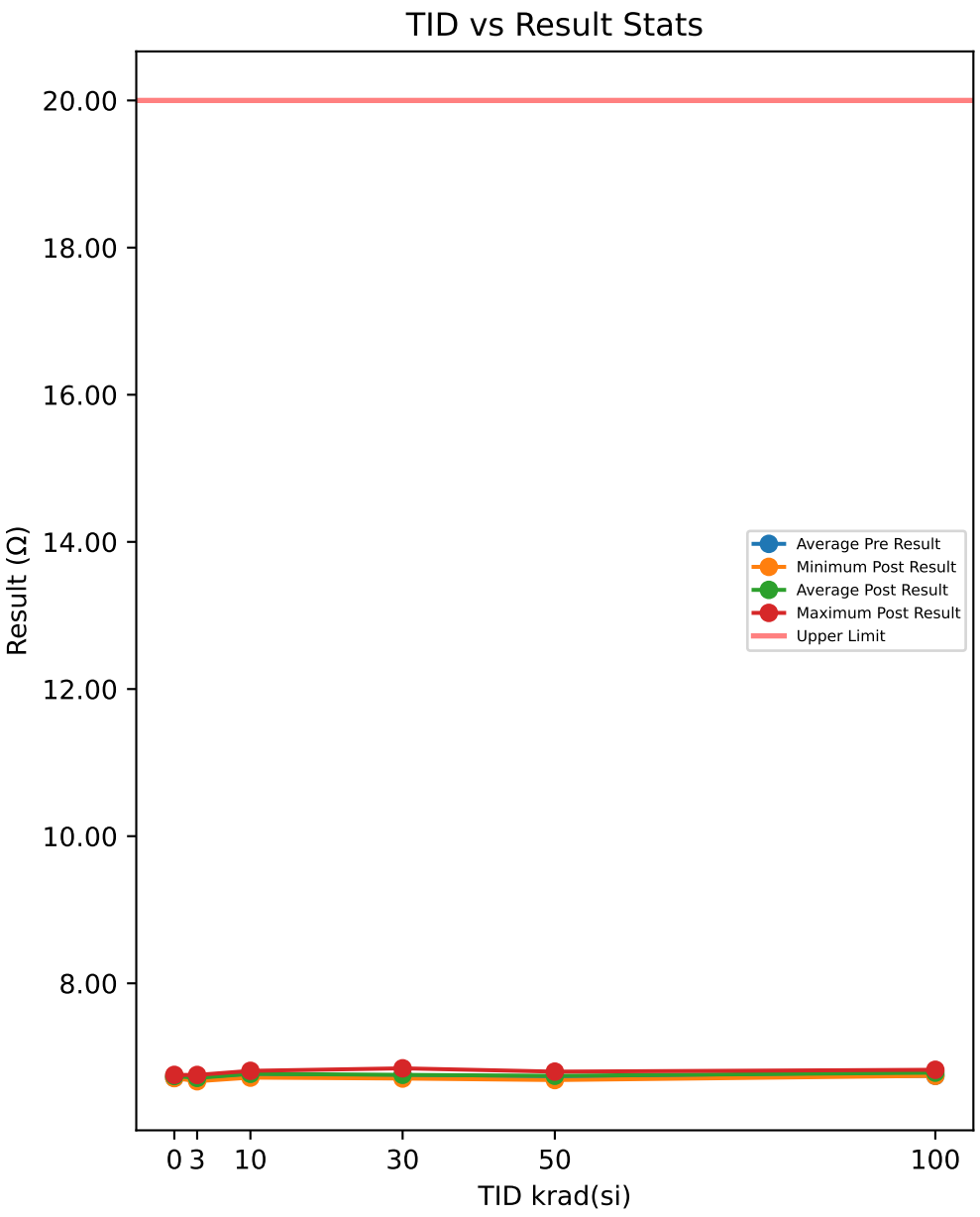
Test Results (Upper Limit = 20.0 (Ω))

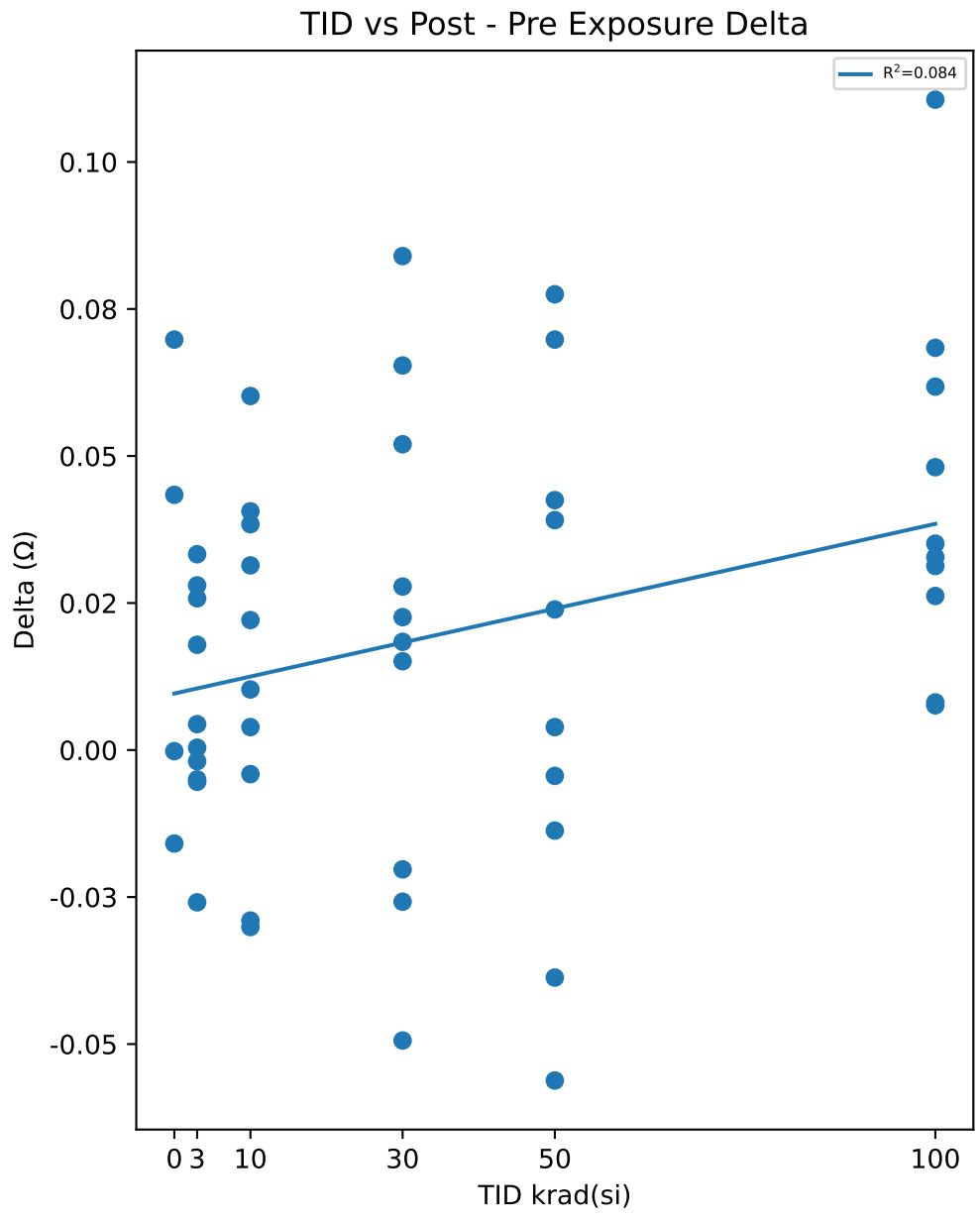
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	7.2848	7.1788	-0.106
3	3	Biased	7.4073	7.1888	-0.2185
4	3	Biased	7.2297	7.1376	-0.0921
5	3	Biased	7.2865	7.1683	-0.1182
6	3	Biased	7.2539	7.1501	-0.1038
7	3	Unbiased	7.2581	7.1523	-0.1058
8	3	Unbiased	7.2405	7.1499	-0.0906
9	3	Unbiased	7.2561	7.0916	-0.1645
10	3	Unbiased	7.2883	7.1568	-0.1315
11	3	Unbiased	7.306	7.1696	-0.1364
12	10	Unbiased	7.3558	7.2715	-0.0843
13	10	Unbiased	7.3358	7.2243	-0.1115
14	10	Unbiased	7.3507	7.2292	-0.1215
15	10	Unbiased	7.2794	7.1435	-0.1359
16	10	Unbiased	7.2594	7.2133	-0.0461
17	10	Biased	7.2661	7.17	-0.0961
18	10	Biased	7.2978	7.1944	-0.1034
19	10	Biased	7.2804	7.1738	-0.1066
20	10	Biased	7.3381	7.1641	-0.174
21	10	Biased	7.2945	7.2167	-0.0778
22	30	Biased	7.2731	7.2102	-0.0629
23	30	Biased	7.3323	7.3081	-0.0242
24	30	Biased	7.3271	7.2474	-0.0797
25	30	Biased	7.2642	7.1154	-0.1488
26	30	Biased	7.2764	7.1348	-0.1416
27	30	Unbiased	7.3072	7.2348	-0.0724
28	30	Unbiased	7.2848	7.1945	-0.0903
29	30	Unbiased	7.2821	7.1569	-0.1252
30	30	Unbiased	7.2962	7.1388	-0.1574
31	30	Unbiased	7.3197	7.2323	-0.0874
32	50	Biased	7.2825	7.1622	-0.1203
33	50	Biased	7.2698	7.2256	-0.0442
34	50	Biased	7.3504	7.2129	-0.1375
35	50	Biased	7.3533	7.2499	-0.1034
36	50	Biased	7.3701	7.2713	-0.0988
37	50	Unbiased	7.2826	7.1808	-0.1018
39	50	Unbiased	7.2765	7.1672	-0.1093
40	50	Unbiased	7.2338	7.137	-0.0968
41	50	Unbiased	7.3419	7.2314	-0.1105
42	50	Unbiased	7.3127	7.1619	-0.1508
43	100	Biased	7.3325	7.2282	-0.1043
44	100	Biased	7.2867	7.2395	-0.0472
45	100	Biased	7.3331	7.2248	-0.1083
46	100	Biased	7.292	7.1529	-0.1391
47	100	Biased	7.3626	7.3186	-0.044
48	100	Unbiased	7.3289	7.2523	-0.0766
49	100	Unbiased	7.2553	7.1312	-0.1241
50	100	Unbiased	7.3169	7.2178	-0.0991
51	100	Unbiased	7.3598	7.2869	-0.0729
52	100	Unbiased	7.2762	7.2551	-0.0211
53	0	Correlation	7.2289	7.1326	-0.0963
54	0	Correlation	7.2788	7.1655	-0.1133
55	0	Correlation	7.2409	7.1683	-0.0726
56	0	Correlation	7.2927	7.1663	-0.1264

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	7.2289	7.2603	7.2927	0.0303	7.1326	7.1582	7.1683	0.017091	-0.1264	-0.10215	-0.0726	0.023237
3	7.2297	7.2811	7.4073	0.05036	7.0916	7.1544	7.1888	0.026829	-0.2185	-0.12674	-0.0906	0.03935
10	7.2594	7.3058	7.3558	0.03609	7.1435	7.2001	7.2715	0.038166	-0.174	-0.10572	-0.0461	0.034556
30	7.2642	7.2963	7.3323	0.024059	7.1154	7.1973	7.3081	0.060791	-0.1574	-0.09899	-0.0242	0.042922
50	7.2338	7.3074	7.3701	0.044878	7.137	7.2	7.2713	0.044316	-0.1508	-0.10734	-0.0442	0.028279
100	7.2553	7.3144	7.3626	0.035745	7.1312	7.2307	7.3186	0.055961	-0.1391	-0.08367	-0.0211	0.03795

Device Test: 18.16; RESET_RPMOS_HIGH_V





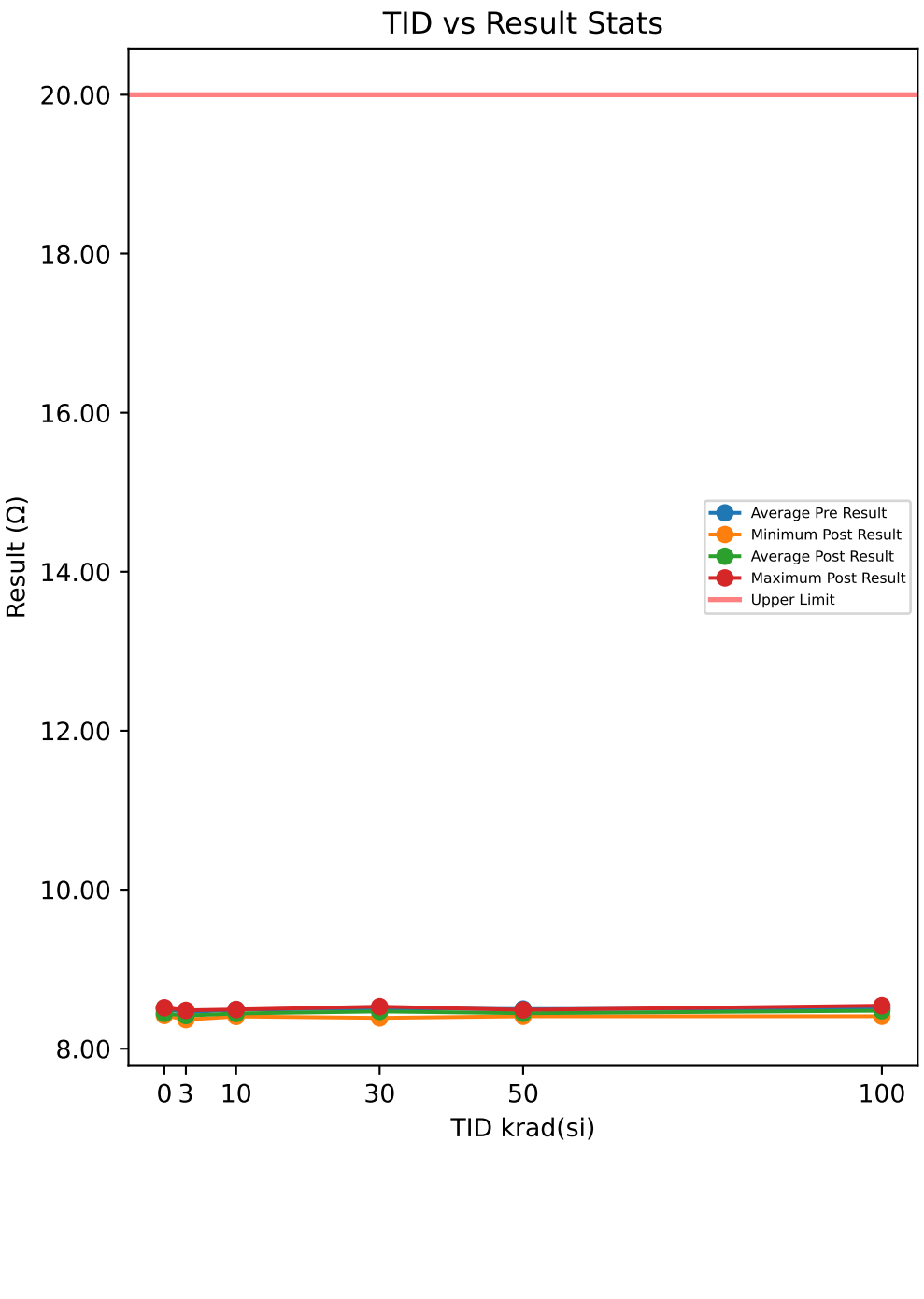
Test Results (Upper Limit = 20.0 (Ω))

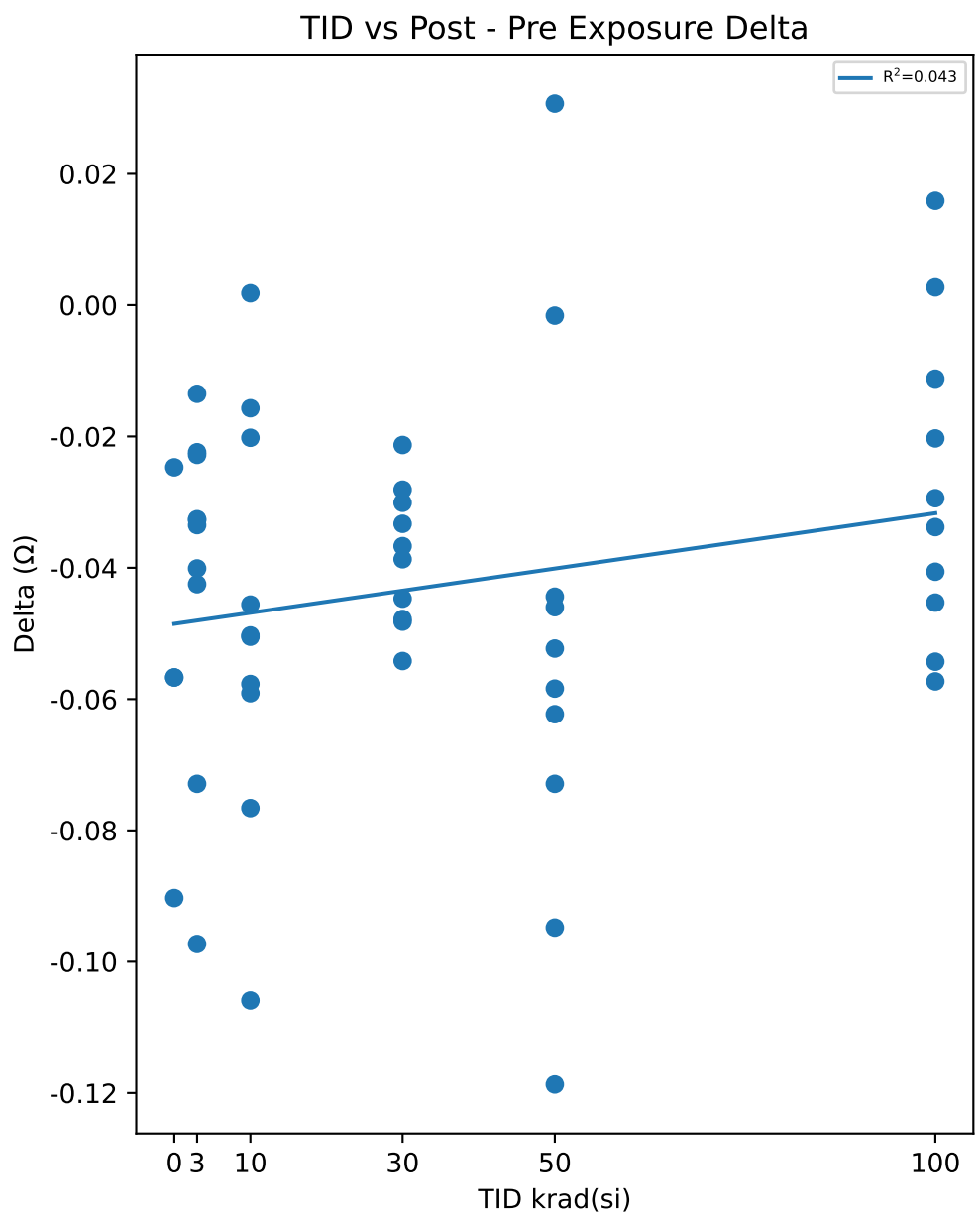
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	6.6789	6.7047	0.0258
3	3	Biased	6.7563	6.7544	-0.0019
4	3	Biased	6.6742	6.6688	-0.0054
5	3	Biased	6.7124	6.7128	0.0004
6	3	Biased	6.6692	6.6972	0.028
7	3	Unbiased	6.7212	6.7391	0.0179
8	3	Unbiased	6.7062	6.7395	0.0333
9	3	Unbiased	6.6979	6.7023	0.0044
10	3	Unbiased	6.7327	6.7277	-0.005
11	3	Unbiased	6.724	6.6981	-0.0259
12	10	Unbiased	6.787	6.7973	0.0103
13	10	Unbiased	6.8015	6.7714	-0.0301
14	10	Unbiased	6.7475	6.7789	0.0314
15	10	Unbiased	6.7344	6.7728	0.0384
16	10	Unbiased	6.7357	6.7763	0.0406
17	10	Biased	6.7557	6.7516	-0.0041
18	10	Biased	6.7502	6.8104	0.0602
19	10	Biased	6.7143	6.7182	0.0039
20	10	Biased	6.7853	6.7563	-0.029
21	10	Biased	6.7443	6.7664	0.0221
22	30	Biased	6.7229	6.7413	0.0184
23	30	Biased	6.822	6.8446	0.0226
24	30	Biased	6.7291	6.7945	0.0654
25	30	Biased	6.6662	6.7182	0.052
26	30	Biased	6.7315	6.7057	-0.0258
27	30	Unbiased	6.7862	6.7368	-0.0494
28	30	Unbiased	6.6974	6.7814	0.084
29	30	Unbiased	6.7027	6.7305	0.0278
30	30	Unbiased	6.7327	6.7124	-0.0203
31	30	Unbiased	6.7802	6.7953	0.0151
32	50	Biased	6.7084	6.704	-0.0044
33	50	Biased	6.709	6.7515	0.0425
34	50	Biased	6.7525	6.7388	-0.0137
35	50	Biased	6.7606	6.7997	0.0391
36	50	Biased	6.7749	6.7362	-0.0387
37	50	Unbiased	6.7032	6.773	0.0698
39	50	Unbiased	6.7051	6.709	0.0039
40	50	Unbiased	6.6888	6.7663	0.0775
41	50	Unbiased	6.7413	6.7652	0.0239
42	50	Unbiased	6.7413	6.6851	-0.0562
43	100	Biased	6.7611	6.7939	0.0328
44	100	Biased	6.771	6.7786	0.0076
45	100	Biased	6.7936	6.8249	0.0313
46	100	Biased	6.7073	6.7424	0.0351
47	100	Biased	6.7912	6.7993	0.0081
48	100	Unbiased	6.6832	6.7516	0.0684
49	100	Unbiased	6.7449	6.7711	0.0262
50	100	Unbiased	6.7057	6.7675	0.0618
51	100	Unbiased	6.7699	6.818	0.0481
52	100	Unbiased	6.6995	6.8101	0.1106
53	0	Correlation	6.6681	6.7115	0.0434
54	0	Correlation	6.7552	6.755	-0.0002
55	0	Correlation	6.6854	6.7552	0.0698
56	0	Correlation	6.7531	6.7372	-0.0159

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	6.6681	6.7154	6.7552	0.04525	6.7115	6.7397	6.7552	0.020622	-0.0159	0.024275	0.0698	0.039376
3	6.6692	6.7073	6.7563	0.027864	6.6688	6.7145	6.7544	0.025606	-0.0259	0.00716	0.0333	0.018602
10	6.7143	6.7556	6.8015	0.027383	6.7182	6.77	6.8104	0.025229	-0.0301	0.01437	0.0602	0.029891
30	6.6662	6.7371	6.822	0.046642	6.7057	6.7561	6.8446	0.045481	-0.0494	0.01898	0.084	0.041903
50	6.6888	6.7285	6.7749	0.029126	6.6851	6.7429	6.7997	0.035459	-0.0562	0.01437	0.0775	0.044219
100	6.6832	6.7427	6.7936	0.040628	6.7424	6.7857	6.8249	0.028008	0.0076	0.043	0.1106	0.031004

Device Test: 18.17; PWRGD_RPMOS_HIGH_V





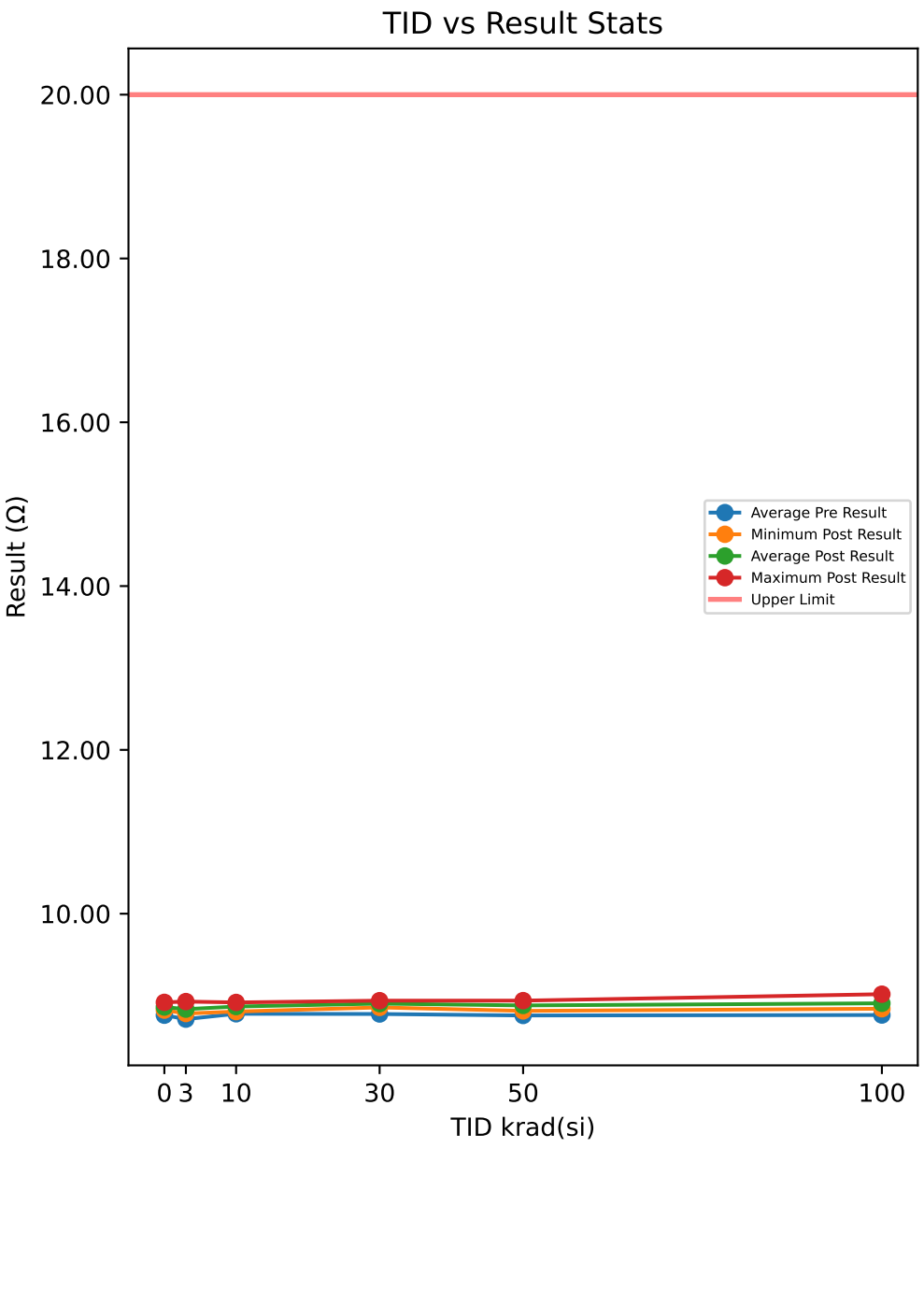
Test Results (Upper Limit = 20.0 (Ω))

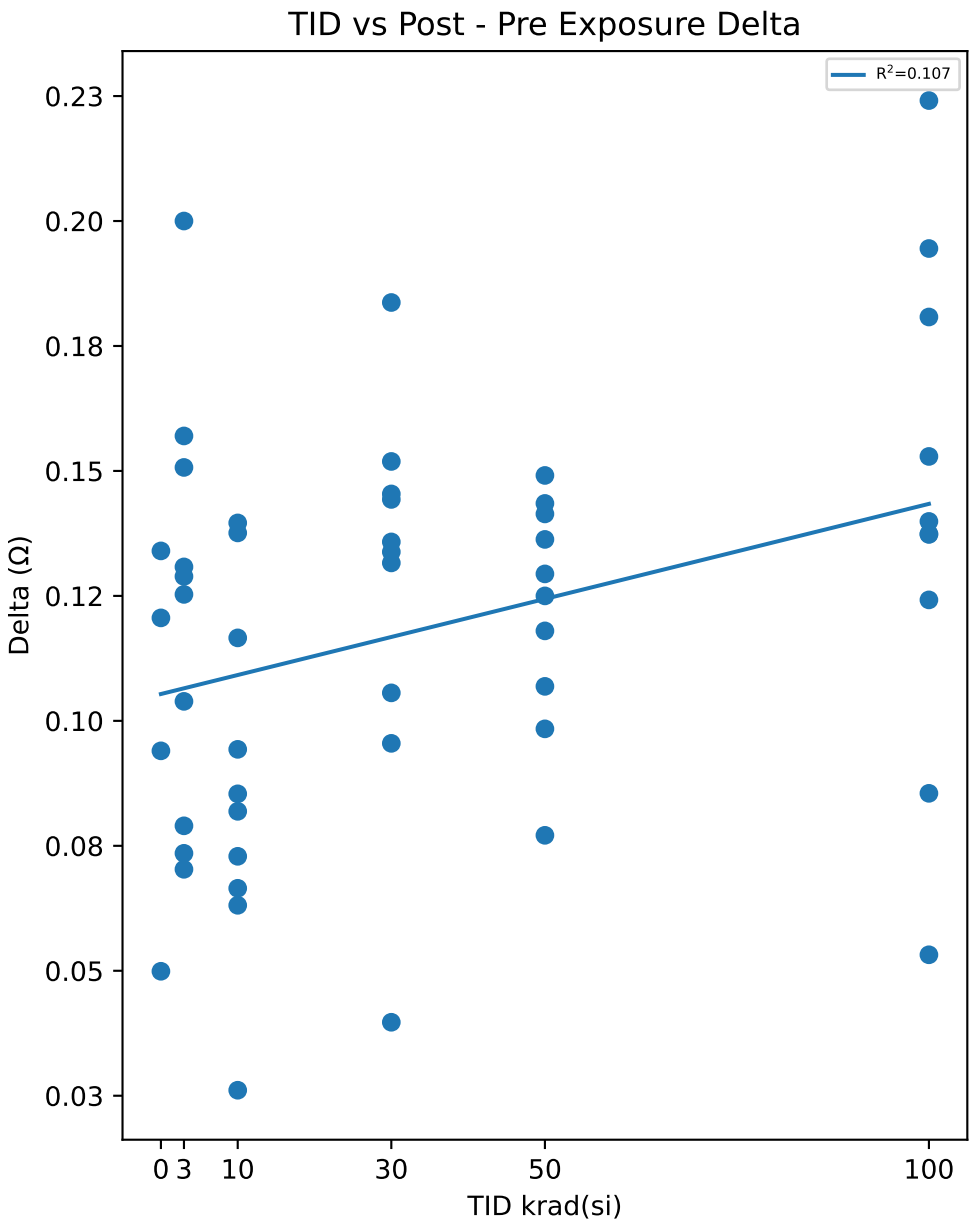
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	8.4246	8.4022	-0.0224
3	3	Biased	8.5062	8.4834	-0.0228
4	3	Biased	8.4405	8.407	-0.0335
5	3	Biased	8.4848	8.4521	-0.0327
6	3	Biased	8.4639	8.3666	-0.0973
7	3	Unbiased	8.4491	8.4356	-0.0135
8	3	Unbiased	8.4559	8.4134	-0.0425
9	3	Unbiased	8.424	8.3914	-0.0326
10	3	Unbiased	8.4837	8.4108	-0.0729
11	3	Unbiased	8.4508	8.4107	-0.0401
12	10	Unbiased	8.5121	8.4062	-0.1059
13	10	Unbiased	8.4717	8.4515	-0.0202
14	10	Unbiased	8.4831	8.4674	-0.0157
15	10	Unbiased	8.492	8.4938	0.0018
16	10	Unbiased	8.5126	8.4549	-0.0577
17	10	Biased	8.4592	8.4089	-0.0503
18	10	Biased	8.5143	8.4552	-0.0591
19	10	Biased	8.536	8.4594	-0.0766
20	10	Biased	8.4775	8.427	-0.0505
21	10	Biased	8.4594	8.4138	-0.0456
22	30	Biased	8.4876	8.4595	-0.0281
23	30	Biased	8.526	8.4778	-0.0482
24	30	Biased	8.5171	8.487	-0.0301
25	30	Biased	8.4422	8.388	-0.0542
26	30	Biased	8.4633	8.4155	-0.0478
27	30	Unbiased	8.5118	8.4751	-0.0367
28	30	Unbiased	8.517	8.4783	-0.0387
29	30	Unbiased	8.5117	8.4784	-0.0333
30	30	Unbiased	8.5226	8.5013	-0.0213
31	30	Unbiased	8.5742	8.5295	-0.0447
32	50	Biased	8.4909	8.4893	-0.0016
33	50	Biased	8.4747	8.4303	-0.0444
34	50	Biased	8.5274	8.4545	-0.0729
35	50	Biased	8.5241	8.4657	-0.0584
36	50	Biased	8.5082	8.4559	-0.0523
37	50	Unbiased	8.4706	8.4083	-0.0623
39	50	Unbiased	8.4653	8.4193	-0.046
40	50	Unbiased	8.4291	8.4598	0.0307
41	50	Unbiased	8.5358	8.441	-0.0948
42	50	Unbiased	8.5622	8.4435	-0.1187
43	100	Biased	8.4962	8.4989	0.0027
44	100	Biased	8.4447	8.4606	0.0159
45	100	Biased	8.5262	8.4924	-0.0338
46	100	Biased	8.4742	8.4169	-0.0573
47	100	Biased	8.5636	8.523	-0.0406
48	100	Unbiased	8.4933	8.4821	-0.0112
49	100	Unbiased	8.4383	8.4089	-0.0294
50	100	Unbiased	8.4951	8.4748	-0.0203
51	100	Unbiased	8.5959	8.5416	-0.0543
52	100	Unbiased	8.5269	8.4816	-0.0453
53	0	Correlation	8.4778	8.4211	-0.0567
54	0	Correlation	8.4809	8.4242	-0.0567
55	0	Correlation	8.5089	8.4186	-0.0903
56	0	Correlation	8.5407	8.516	-0.0247

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	8.4778	8.5021	8.5407	0.029304	8.4186	8.445	8.516	0.047405	-0.0903	-0.0571	-0.0247	0.026785
3	8.424	8.4583	8.5062	0.026768	8.3666	8.4173	8.4834	0.032645	-0.0973	-0.04103	-0.0135	0.025429
10	8.4592	8.4918	8.536	0.026037	8.4062	8.4438	8.4938	0.028726	-0.1059	-0.04798	0.0018	0.031093
30	8.4422	8.5073	8.5742	0.036288	8.388	8.469	8.5295	0.040594	-0.0542	-0.03831	-0.0213	0.010382
50	8.4291	8.4988	8.5622	0.039936	8.4083	8.4468	8.4893	0.02364	-0.1187	-0.05207	0.0307	0.042607
100	8.4383	8.5054	8.5959	0.049407	8.4089	8.4781	8.5416	0.041586	-0.0573	-0.02736	0.0159	0.024155

Device Test: 18.18; WDO_RPMOS_HIGH_V





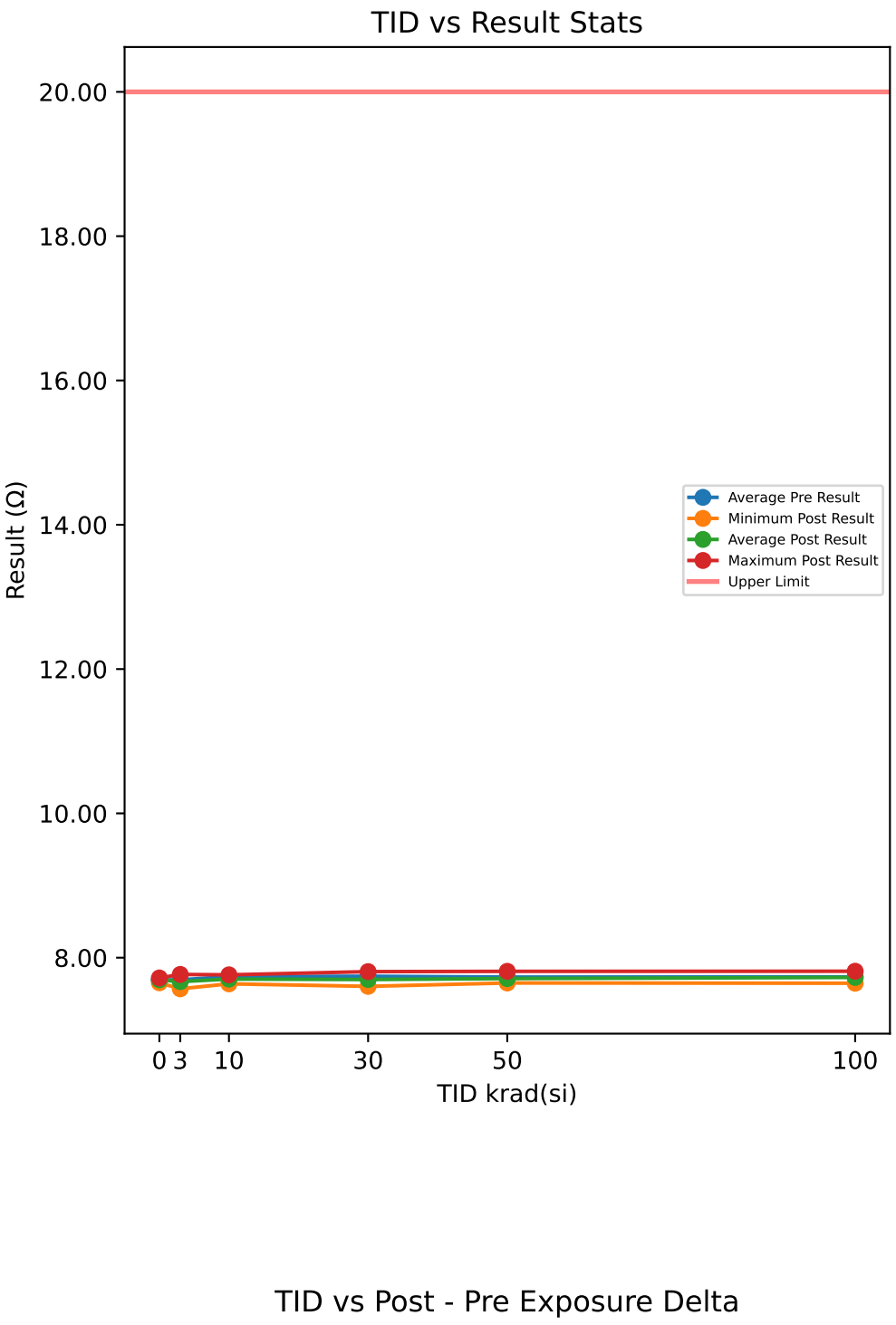
Test Results (Upper Limit = 20.0 (Ω))

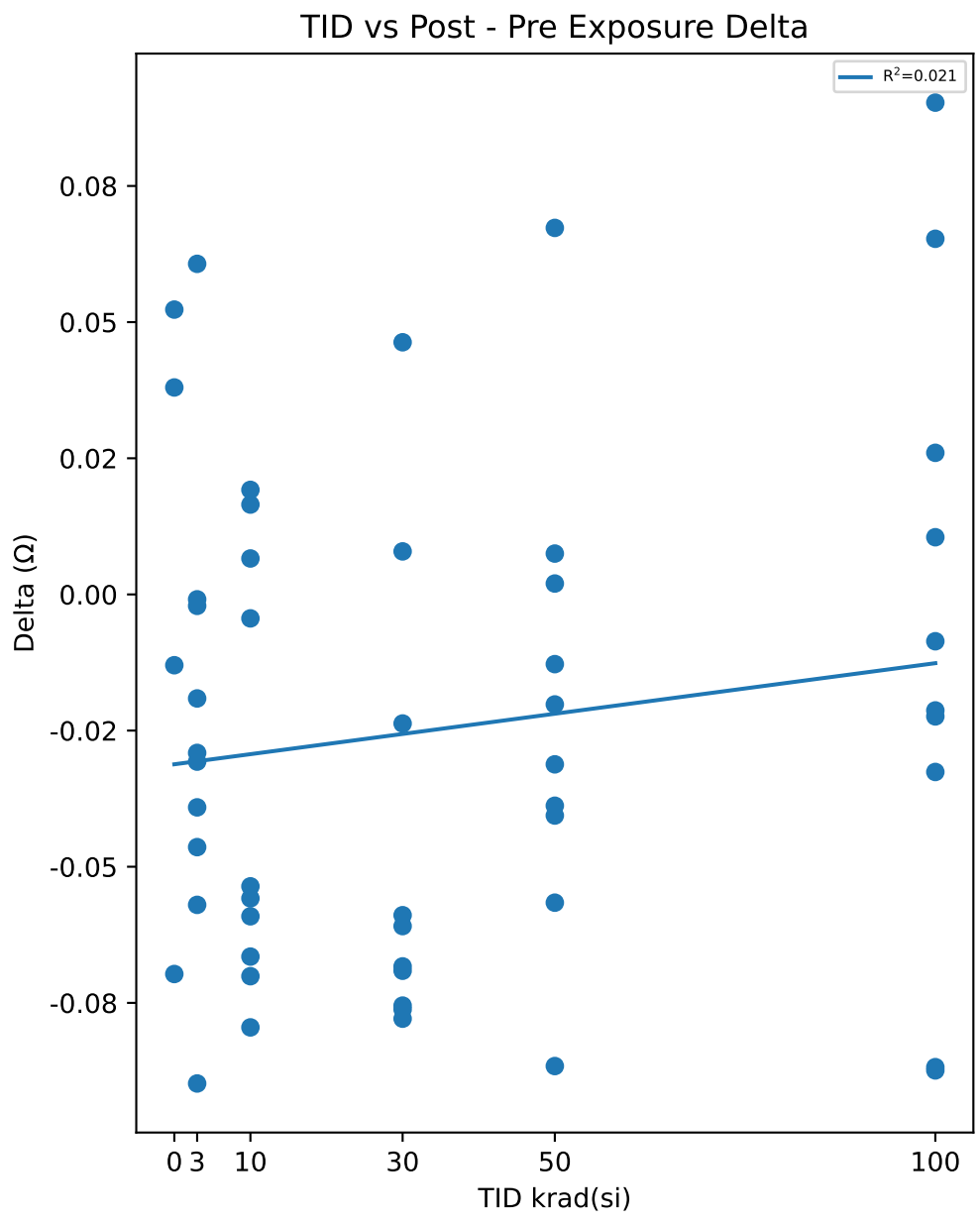
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	8.6563	8.8563	0.2
3	3	Biased	8.7697	8.9267	0.157
4	3	Biased	8.6828	8.8081	0.1253
5	3	Biased	8.7722	8.8425	0.0703
6	3	Biased	8.677	8.7809	0.1039
7	3	Unbiased	8.7205	8.7995	0.079
8	3	Unbiased	8.6903	8.841	0.1507
9	3	Unbiased	8.7087	8.8376	0.1289
10	3	Unbiased	8.7234	8.8542	0.1308
11	3	Unbiased	8.7223	8.7958	0.0735
12	10	Unbiased	8.8022	8.8841	0.0819
13	10	Unbiased	8.8175	8.9029	0.0854
14	10	Unbiased	8.7785	8.9161	0.1376
15	10	Unbiased	8.7396	8.8125	0.0729
16	10	Unbiased	8.8	8.8665	0.0665
17	10	Biased	8.7785	8.8046	0.0261
18	10	Biased	8.7486	8.8429	0.0943
19	10	Biased	8.7942	8.9108	0.1166
20	10	Biased	8.7728	8.8359	0.0631
21	10	Biased	8.7441	8.8837	0.1396
22	30	Biased	8.7273	8.8631	0.1358
23	30	Biased	8.7975	8.9291	0.1316
24	30	Biased	8.77	8.9038	0.1338
25	30	Biased	8.711	8.8553	0.1443
26	30	Biased	8.7772	8.8828	0.1056
27	30	Unbiased	8.8151	8.9106	0.0955
28	30	Unbiased	8.7566	8.9085	0.1519
29	30	Unbiased	8.754	8.9377	0.1837
30	30	Unbiased	8.7569	8.9023	0.1454
31	30	Unbiased	8.8855	8.9252	0.0397
32	50	Biased	8.7544	8.9035	0.1491
33	50	Biased	8.7116	8.8366	0.125
34	50	Biased	8.7909	8.9323	0.1414
35	50	Biased	8.8089	8.9383	0.1294
36	50	Biased	8.8062	8.9046	0.0984
37	50	Unbiased	8.7607	8.8676	0.1069
39	50	Unbiased	8.7262	8.8442	0.118
40	50	Unbiased	8.6767	8.813	0.1363
41	50	Unbiased	8.7516	8.8951	0.1435
42	50	Unbiased	8.7833	8.8604	0.0771
43	100	Biased	8.781	8.9052	0.1242
44	100	Biased	8.7374	8.8748	0.1374
45	100	Biased	8.8109	8.8641	0.0532
46	100	Biased	8.7536	8.8391	0.0855
47	100	Biased	8.7927	9.0168	0.2241
48	100	Unbiased	8.7143	8.8672	0.1529
49	100	Unbiased	8.7045	8.8444	0.1399
50	100	Unbiased	8.7109	8.8917	0.1808
51	100	Unbiased	8.817	9.0115	0.1945
52	100	Unbiased	8.8037	8.941	0.1373
53	0	Correlation	8.7174	8.838	0.1206
54	0	Correlation	8.7683	8.8623	0.094
55	0	Correlation	8.7724	8.8223	0.0499
56	0	Correlation	8.783	8.917	0.134

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	8.7174	8.7603	8.783	0.029247	8.8223	8.8599	8.917	0.041471	0.0499	0.099625	0.134	0.037085
3	8.6563	8.7123	8.7722	0.037892	8.7809	8.8343	8.9267	0.041862	0.0703	0.12194	0.2	0.04146
10	8.7396	8.7776	8.8175	0.02668	8.8046	8.866	8.9161	0.040265	0.0261	0.0884	0.1396	0.035221
30	8.711	8.7751	8.8855	0.049253	8.8553	8.9018	8.9377	0.027344	0.0397	0.12673	0.1837	0.038999
50	8.6767	8.7571	8.8089	0.042769	8.813	8.8796	8.9383	0.04178	0.0771	0.12251	0.1491	0.022744
100	8.7045	8.7626	8.817	0.043873	8.8391	8.9056	9.0168	0.064412	0.0532	0.14298	0.2241	0.050059

Device Test: 18.19; RESET_RPMOS_HIGH_V





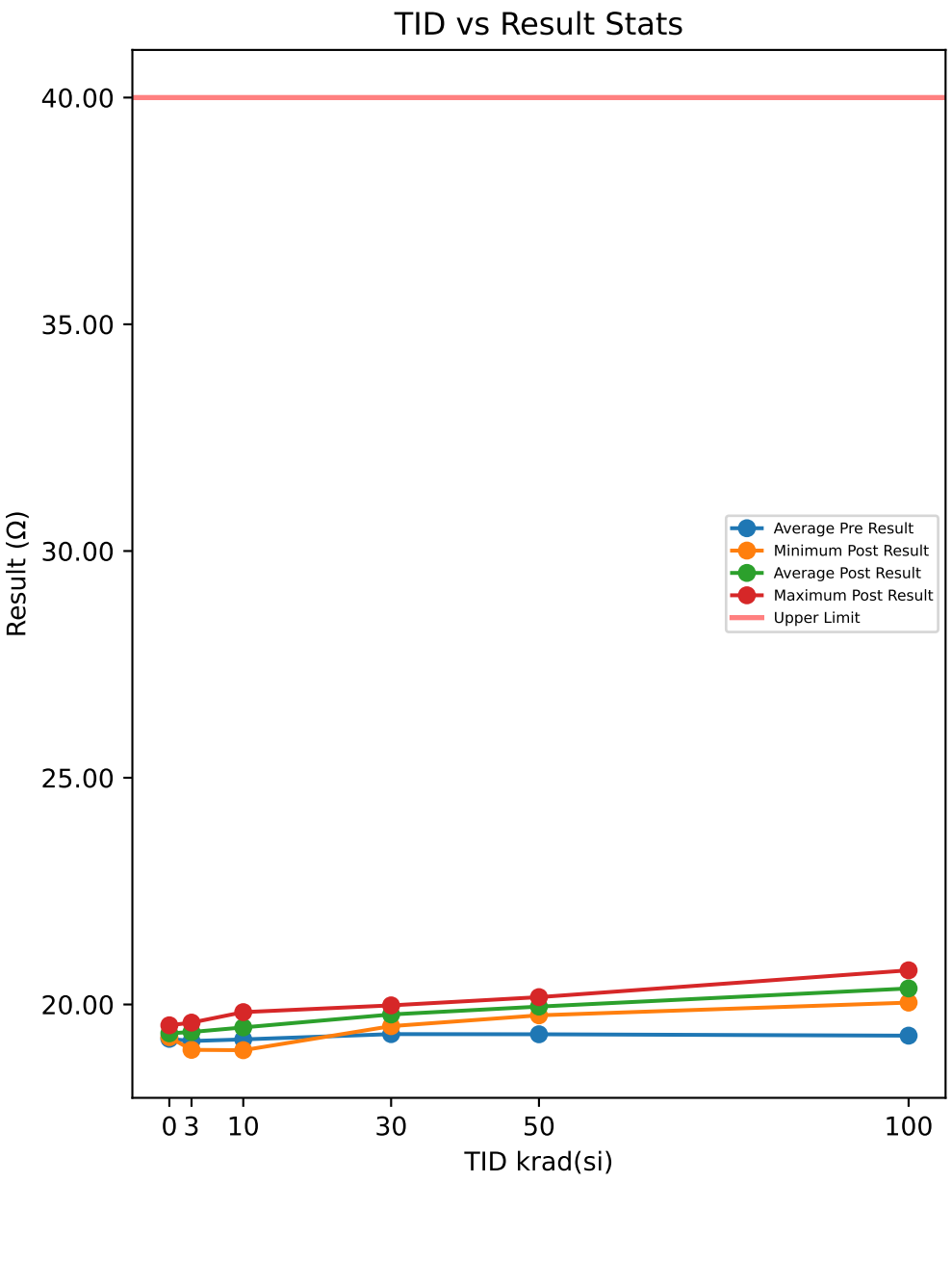
Test Results (Upper Limit = 20.0 (Ω))

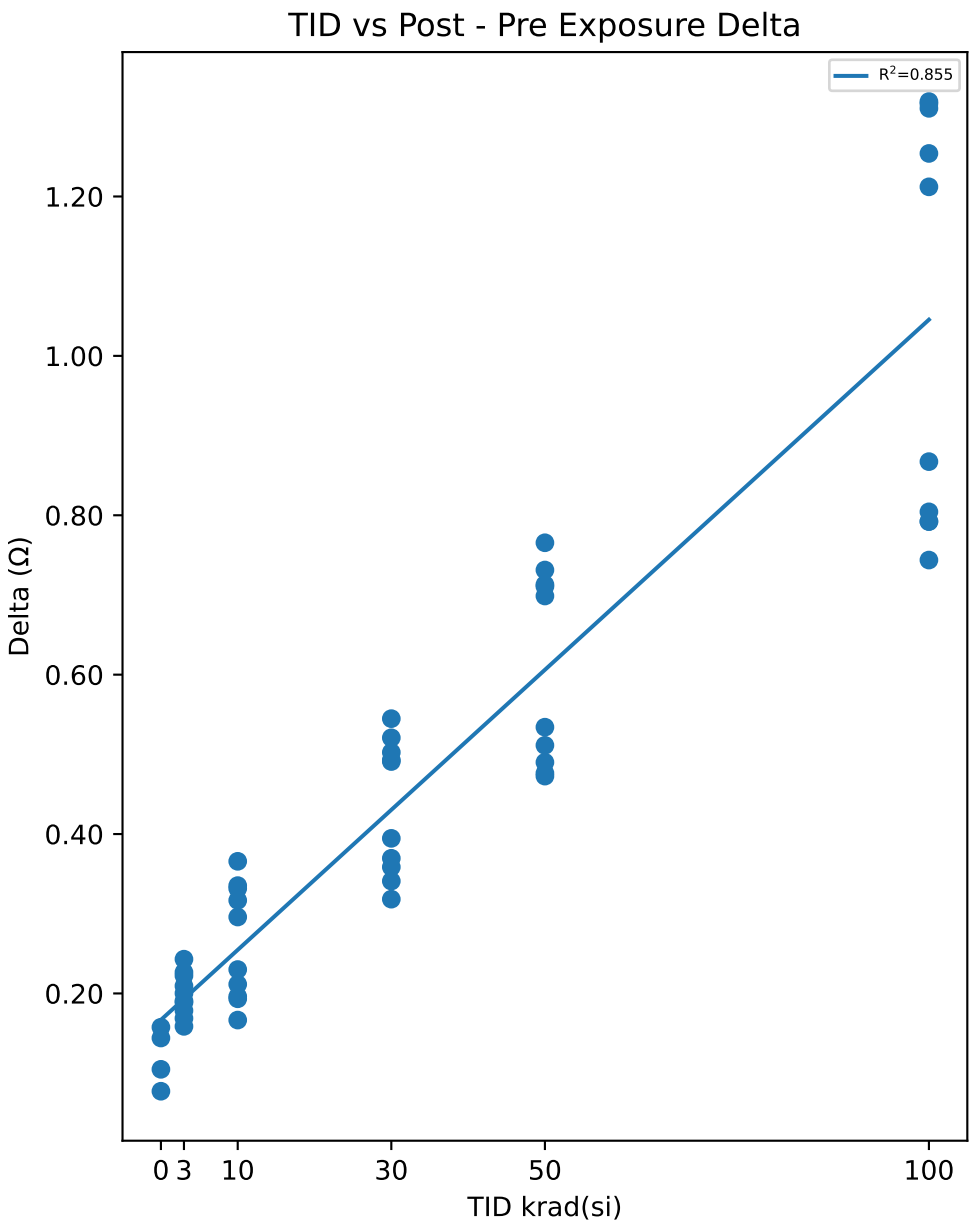
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	7.721	7.6746	-0.0464
3	3	Biased	7.7347	7.7156	-0.0191
4	3	Biased	7.6301	7.628	-0.0021
5	3	Biased	7.7466	7.6896	-0.057
6	3	Biased	7.6586	7.5688	-0.0898
7	3	Unbiased	7.6544	7.6253	-0.0291
8	3	Unbiased	7.6828	7.6819	-0.0009
9	3	Unbiased	7.7072	7.7679	0.0607
10	3	Unbiased	7.6891	7.6584	-0.0307
11	3	Unbiased	7.7078	7.6687	-0.0391
12	10	Unbiased	7.7903	7.7202	-0.0701
13	10	Unbiased	7.7932	7.7267	-0.0665
14	10	Unbiased	7.7058	7.7014	-0.0044
15	10	Unbiased	7.7556	7.7622	0.0066
16	10	Unbiased	7.6718	7.6883	0.0165
17	10	Biased	7.6625	7.6817	0.0192
18	10	Biased	7.7753	7.7217	-0.0536
19	10	Biased	7.6966	7.6375	-0.0591
20	10	Biased	7.7491	7.6696	-0.0795
21	10	Biased	7.7792	7.7234	-0.0558
22	30	Biased	7.7861	7.7252	-0.0609
23	30	Biased	7.7996	7.7407	-0.0589
24	30	Biased	7.777	7.7008	-0.0762
25	30	Biased	7.7244	7.6465	-0.0779
26	30	Biased	7.6843	7.6922	0.0079
27	30	Unbiased	7.7342	7.6587	-0.0755
28	30	Unbiased	7.7605	7.8068	0.0463
29	30	Unbiased	7.671	7.6027	-0.0683
30	30	Unbiased	7.7615	7.7378	-0.0237
31	30	Unbiased	7.7292	7.6601	-0.0691
32	50	Biased	7.74	7.7088	-0.0312
33	50	Biased	7.7202	7.7074	-0.0128
34	50	Biased	7.7433	7.8106	0.0673
35	50	Biased	7.7209	7.7284	0.0075
36	50	Biased	7.7451	7.7045	-0.0406
37	50	Unbiased	7.7195	7.6629	-0.0566
39	50	Unbiased	7.7359	7.6493	-0.0866
40	50	Unbiased	7.6797	7.6595	-0.0202
41	50	Unbiased	7.7631	7.7651	0.002
42	50	Unbiased	7.7437	7.7049	-0.0388
43	100	Biased	7.752	7.6652	-0.0868
44	100	Biased	7.7384	7.7298	-0.0086
45	100	Biased	7.7897	7.8002	0.0105
46	100	Biased	7.7561	7.6687	-0.0874
47	100	Biased	7.7469	7.8122	0.0653
48	100	Unbiased	7.6786	7.646	-0.0326
49	100	Unbiased	7.6702	7.6478	-0.0224
50	100	Unbiased	7.6491	7.7394	0.0903
51	100	Unbiased	7.7703	7.7963	0.026
52	100	Unbiased	7.7798	7.7585	-0.0213
53	0	Correlation	7.6666	7.7189	0.0523
54	0	Correlation	7.7097	7.6967	-0.013
55	0	Correlation	7.6683	7.7063	0.038
56	0	Correlation	7.7217	7.652	-0.0697

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	7.6666	7.6916	7.7217	0.028293	7.652	7.6935	7.7189	0.029106	-0.0697	0.0019	0.0523	0.055353
3	7.6301	7.6932	7.7466	0.037365	7.5688	7.6679	7.7679	0.054063	-0.0898	-0.02535	0.0607	0.040017
10	7.6625	7.7379	7.7932	0.049596	7.6375	7.7033	7.7622	0.035285	-0.0795	-0.03467	0.0192	0.039186
30	7.671	7.7428	7.7996	0.042307	7.6027	7.6971	7.8068	0.058437	-0.0779	-0.04563	0.0463	0.042347
50	7.6797	7.7311	7.7631	0.022679	7.6493	7.7101	7.8106	0.049455	-0.0866	-0.021	0.0673	0.041609
100	7.6491	7.7331	7.7897	0.049279	7.646	7.7264	7.8122	0.065508	-0.0874	-0.0067	0.0903	0.057755

Device Test: 18.2; RESET_RPMOS_LOW_V





Test Results (Upper Limit = 40.0 (Ω))

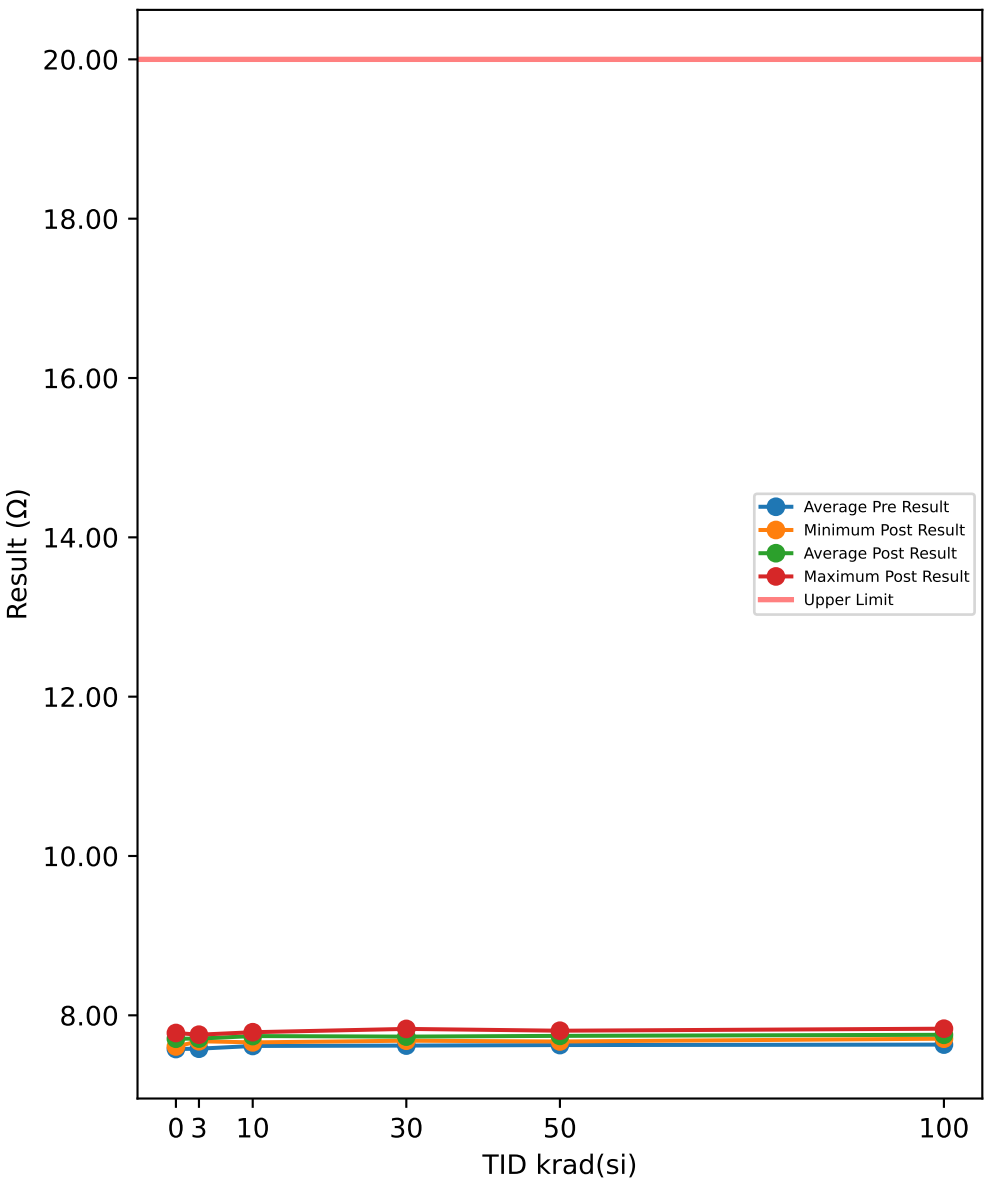
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	19.298	19.498	0.2002
3	3	Biased	19.186	19.408	0.2223
4	3	Biased	18.809	19	0.1905
5	3	Biased	19.323	19.502	0.1785
6	3	Biased	19.168	19.336	0.1688
7	3	Unbiased	19.253	19.412	0.1587
8	3	Unbiased	19.175	19.364	0.1887
9	3	Unbiased	19.235	19.445	0.2094
10	3	Unbiased	19.139	19.365	0.2266
11	3	Unbiased	19.357	19.6	0.243
12	10	Unbiased	19.447	19.813	0.3658
13	10	Unbiased	19.499	19.831	0.3317
14	10	Unbiased	19.345	19.68	0.3353
15	10	Unbiased	19.313	19.609	0.2959
16	10	Unbiased	19.054	19.371	0.3168
17	10	Biased	19.143	19.355	0.2115
18	10	Biased	19.214	19.444	0.23
19	10	Biased	18.798	18.992	0.1933
20	10	Biased	19.187	19.383	0.1962
21	10	Biased	19.295	19.462	0.1666
22	30	Biased	19.377	19.695	0.3183
23	30	Biased	19.621	19.98	0.3586
24	30	Biased	19.47	19.84	0.3696
25	30	Biased	19.127	19.522	0.3946
26	30	Biased	19.225	19.566	0.341
27	30	Unbiased	19.383	19.927	0.5448
28	30	Unbiased	19.438	19.931	0.493
29	30	Unbiased	19.222	19.724	0.5025
30	30	Unbiased	19.424	19.916	0.491
31	30	Unbiased	19.176	19.697	0.5208
32	50	Biased	19.288	19.761	0.4727
33	50	Biased	19.311	19.845	0.5341
34	50	Biased	19.482	19.993	0.5113
35	50	Biased	19.373	19.85	0.4764
36	50	Biased	19.535	20.025	0.49
37	50	Unbiased	19.311	20.042	0.7313
39	50	Unbiased	19.221	19.986	0.7655
40	50	Unbiased	19.175	19.873	0.6987
41	50	Unbiased	19.449	20.162	0.713
42	50	Unbiased	19.284	19.995	0.7107
43	100	Biased	19.256	20.048	0.7923
44	100	Biased	19.287	20.079	0.7921
45	100	Biased	19.444	20.312	0.8673
46	100	Biased	19.237	20.041	0.8043
47	100	Biased	19.323	20.067	0.7438
48	100	Unbiased	19.381	20.635	1.254
49	100	Unbiased	19.231	20.547	1.3164
50	100	Unbiased	19.311	20.622	1.3106
51	100	Unbiased	19.219	20.431	1.2121
52	100	Unbiased	19.434	20.753	1.3191
53	0	Correlation	19.184	19.342	0.1576
54	0	Correlation	19.436	19.541	0.1048
55	0	Correlation	19.134	19.278	0.1441
56	0	Correlation	19.216	19.293	0.0773

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	19.134	19.243	19.436	0.13306	19.278	19.364	19.541	0.12105	0.0773	0.12095	0.1576	0.036721
3	18.809	19.194	19.357	0.15341	19	19.393	19.6	0.15944	0.1587	0.19867	0.243	0.026841
10	18.798	19.23	19.499	0.20296	18.992	19.494	19.831	0.25069	0.1666	0.26431	0.3658	0.072133
30	19.127	19.346	19.621	0.15454	19.522	19.78	19.98	0.16197	0.3183	0.43342	0.5448	0.084755
50	19.175	19.343	19.535	0.11552	19.761	19.953	20.162	0.11866	0.4727	0.61037	0.7655	0.12207
100	19.219	19.312	19.444	0.082932	20.041	20.354	20.753	0.27983	0.7438	1.0412	1.3191	0.25795

Device Test: 18.20; RESET_RPMOS_HIGH_V

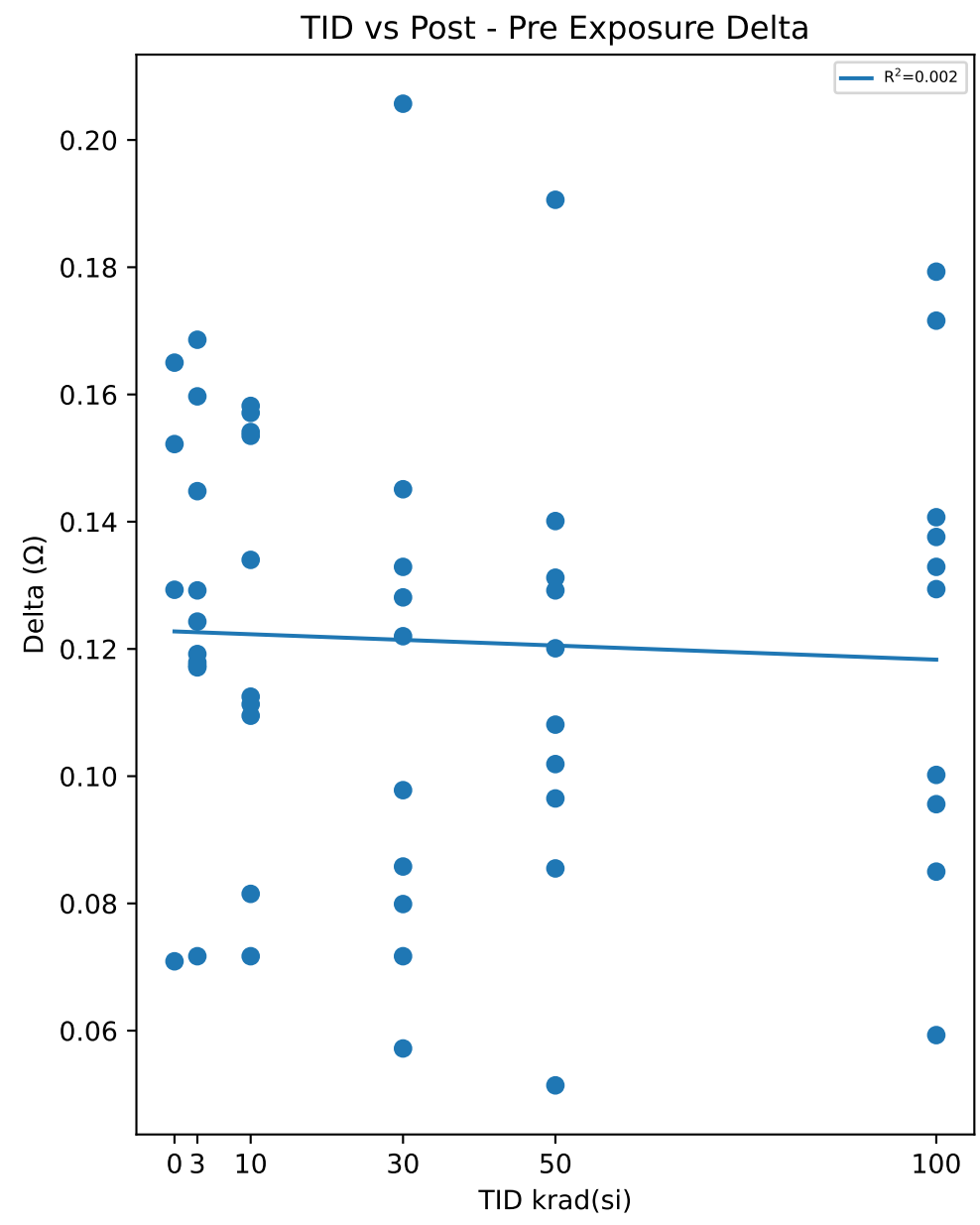
TID vs Result Stats



Test Results (Upper Limit = 20.0 (Ω))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	7.5418	7.7104	0.1686
3	3	Biased	7.6325	7.7568	0.1243
4	3	Biased	7.5359	7.6956	0.1597
5	3	Biased	7.5753	7.7201	0.1448
6	3	Biased	7.5724	7.6895	0.1171
7	3	Unbiased	7.6027	7.6744	0.0717
8	3	Unbiased	7.6098	7.739	0.1292
9	3	Unbiased	7.5625	7.6817	0.1192
10	3	Unbiased	7.5736	7.6915	0.1179
11	3	Unbiased	7.603	7.7204	0.1174
12	10	Unbiased	7.6296	7.7878	0.1582
13	10	Unbiased	7.6512	7.7625	0.1113
14	10	Unbiased	7.6513	7.7638	0.1125
15	10	Unbiased	7.6242	7.7582	0.134
16	10	Unbiased	7.551	7.6605	0.1095
17	10	Biased	7.5922	7.7493	0.1571
18	10	Biased	7.5934	7.7469	0.1535
19	10	Biased	7.6236	7.7051	0.0815
20	10	Biased	7.5964	7.7505	0.1541
21	10	Biased	7.6398	7.7115	0.0717
22	30	Biased	7.636	7.7159	0.0799
23	30	Biased	7.6602	7.758	0.0978
24	30	Biased	7.6535	7.7393	0.0858
25	30	Biased	7.5797	7.7248	0.1451
26	30	Biased	7.6351	7.7068	0.0717
27	30	Unbiased	7.624	7.6812	0.0572
28	30	Unbiased	7.6237	7.8294	0.2057
29	30	Unbiased	7.5581	7.6862	0.1281
30	30	Unbiased	7.6221	7.755	0.1329
31	30	Unbiased	7.6084	7.7304	0.122
32	50	Biased	7.6165	7.7366	0.1201
33	50	Biased	7.6418	7.7273	0.0855
34	50	Biased	7.6543	7.7855	0.1312
35	50	Biased	7.6161	7.8067	0.1906
36	50	Biased	7.6482	7.7563	0.1081
37	50	Unbiased	7.6173	7.7465	0.1292
39	50	Unbiased	7.6045	7.7064	0.1019
40	50	Unbiased	7.612	7.7085	0.0965
41	50	Unbiased	7.6343	7.7744	0.1401
42	50	Unbiased	7.6203	7.6717	0.0514
43	100	Biased	7.6471	7.7064	0.0593
44	100	Biased	7.615	7.7444	0.1294
45	100	Biased	7.6741	7.7697	0.0956
46	100	Biased	7.6008	7.7337	0.1329
47	100	Biased	7.6605	7.8321	0.1716
48	100	Unbiased	7.6268	7.727	0.1002
49	100	Unbiased	7.56	7.7393	0.1793
50	100	Unbiased	7.6159	7.7566	0.1407
51	100	Unbiased	7.6654	7.803	0.1376
52	100	Unbiased	7.659	7.744	0.085
53	0	Correlation	7.5379	7.6088	0.0709
54	0	Correlation	7.557	7.722	0.165
55	0	Correlation	7.5634	7.7156	0.1522
56	0	Correlation	7.6487	7.778	0.1293

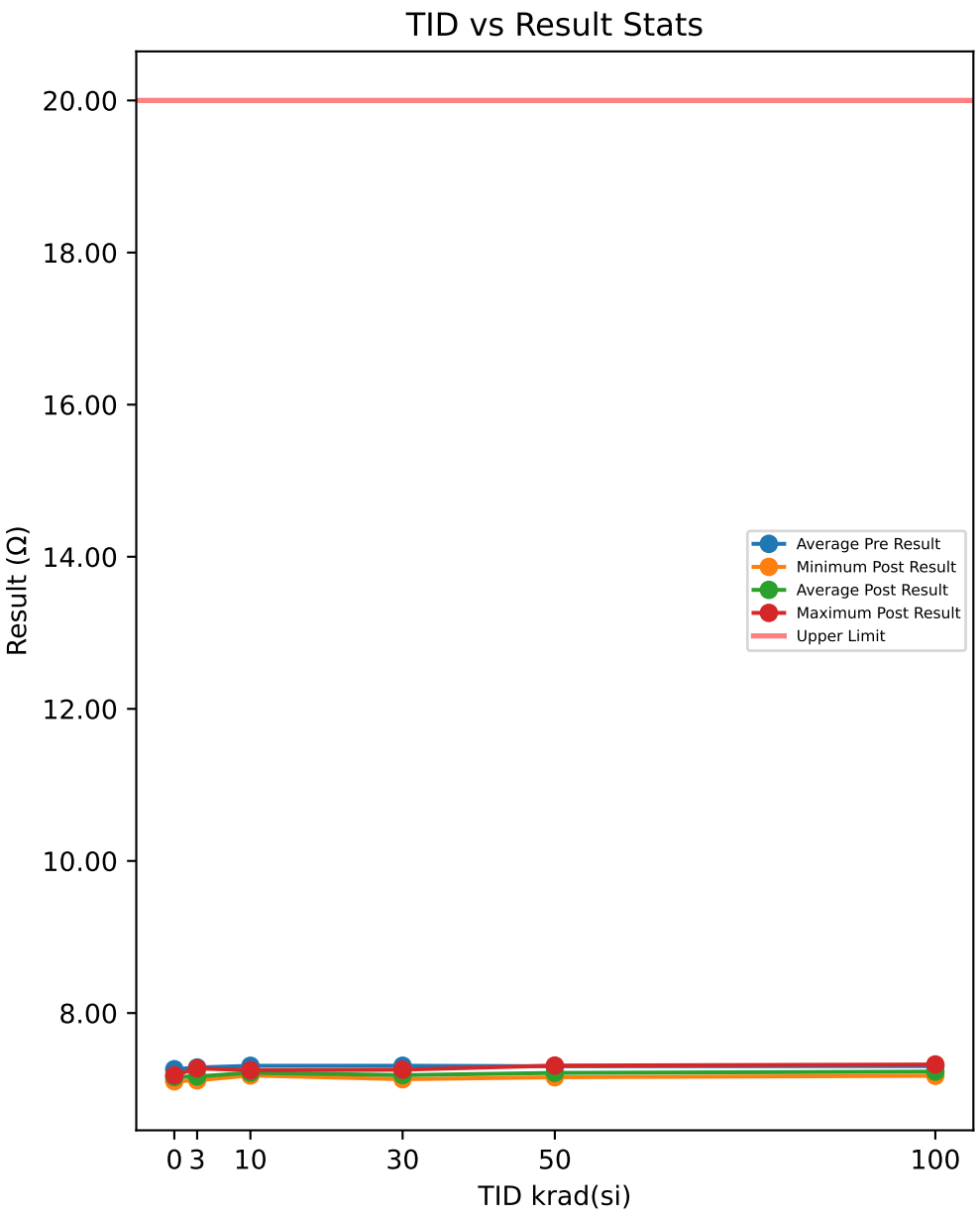
TID vs Post - Pre Exposure Delta

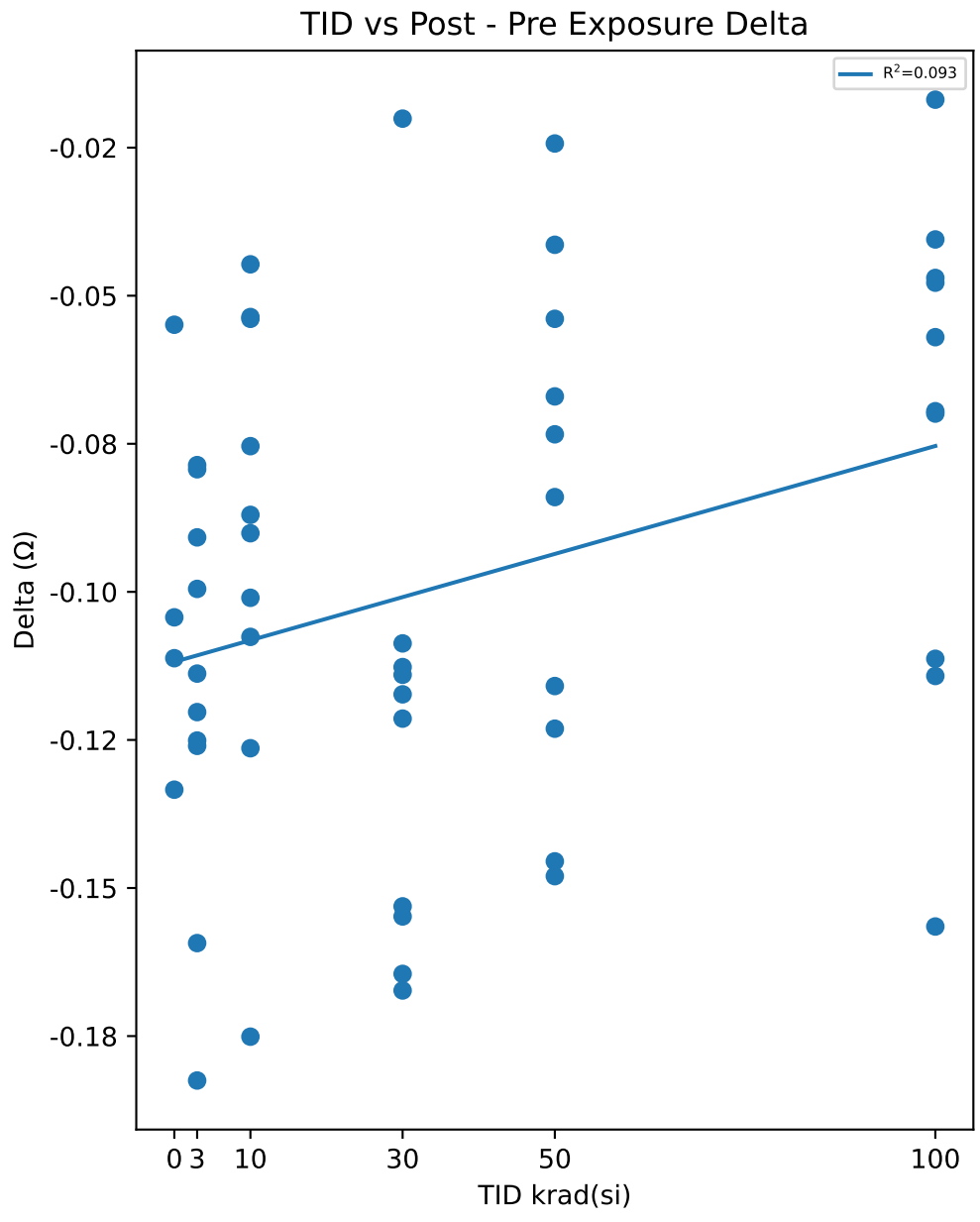


Test Statistics (Ω)

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	7.5379	7.5767	7.6487	0.049175	7.6088	7.7061	7.778	0.070663	0.0709	0.12935	0.165	0.041671
3	7.5359	7.5809	7.6325	0.030751	7.6744	7.7079	7.7568	0.026325	0.0717	0.12699	0.1686	0.026917
10	7.551	7.6153	7.6513	0.031697	7.6605	7.7396	7.7878	0.036942	0.0717	0.12434	0.1582	0.031947
30	7.5581	7.6201	7.6602	0.031352	7.6812	7.7327	7.8294	0.042645	0.0572	0.11262	0.2057	0.043733
50	7.6045	7.6265	7.6543	0.016879	7.6717	7.742	7.8067	0.040729	0.0514	0.11546	0.1906	0.036984
100	7.56	7.6325	7.6741	0.035571	7.7064	7.7556	7.8321	0.037331	0.0593	0.12316	0.1793	0.037961

Device Test: 18.21; RESET_RPMOS_HIGH_V





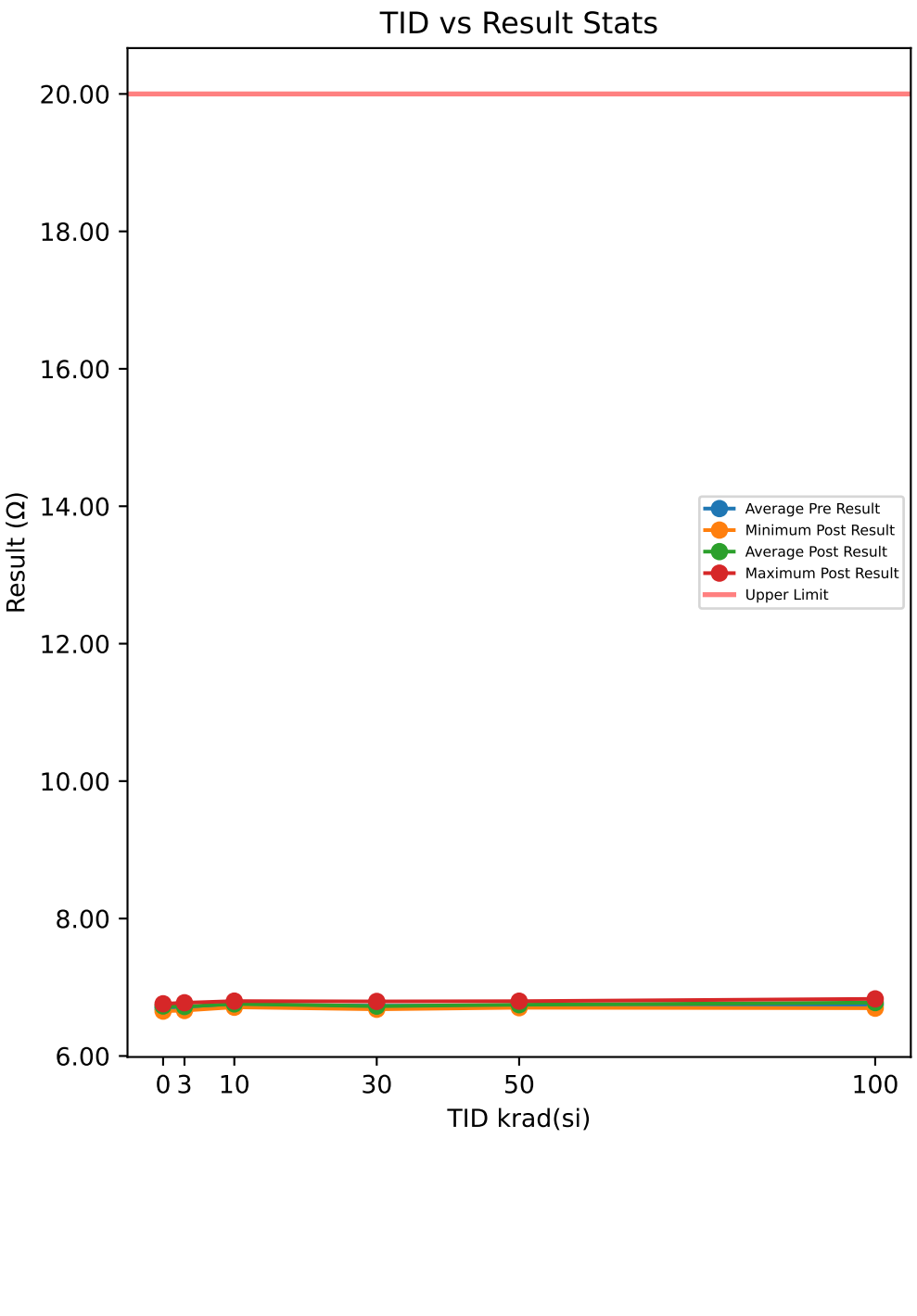
Test Results (Upper Limit = 20.0 (Ω))

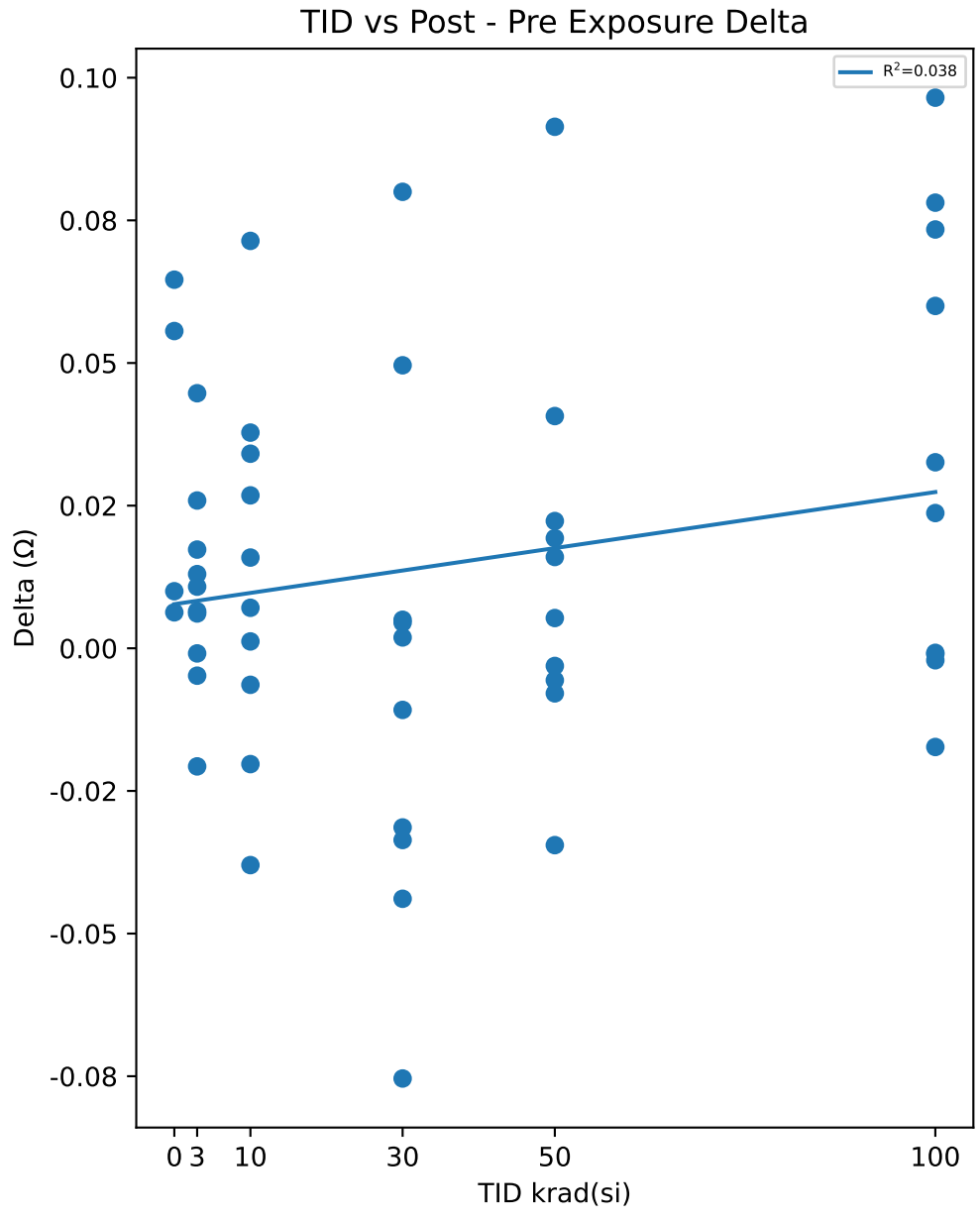
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	7.2723	7.1463	-0.126
3	3	Biased	7.363	7.2722	-0.0908
4	3	Biased	7.2373	7.158	-0.0793
5	3	Biased	7.2581	7.1586	-0.0995
6	3	Biased	7.2631	7.1493	-0.1138
7	3	Unbiased	7.3332	7.1739	-0.1593
8	3	Unbiased	7.2634	7.1431	-0.1203
9	3	Unbiased	7.2401	7.115	-0.1251
10	3	Unbiased	7.2883	7.2097	-0.0786
11	3	Unbiased	7.3202	7.1377	-0.1825
12	10	Unbiased	7.323	7.2476	-0.0754
13	10	Unbiased	7.3286	7.2276	-0.101
14	10	Unbiased	7.3553	7.2289	-0.1264
15	10	Unbiased	7.3017	7.1941	-0.1076
16	10	Unbiased	7.2762	7.1892	-0.087
17	10	Biased	7.2405	7.1958	-0.0447
18	10	Biased	7.2789	7.2253	-0.0536
19	10	Biased	7.2798	7.2259	-0.0539
20	10	Biased	7.3243	7.2342	-0.0901
21	10	Biased	7.3544	7.1793	-0.1751
22	30	Biased	7.2711	7.1624	-0.1087
23	30	Biased	7.3138	7.1965	-0.1173
24	30	Biased	7.3522	7.1991	-0.1531
25	30	Biased	7.3261	7.1713	-0.1548
26	30	Biased	7.3205	7.156	-0.1645
27	30	Unbiased	7.32	7.2073	-0.1127
28	30	Unbiased	7.2747	7.2546	-0.0201
29	30	Unbiased	7.2515	7.1301	-0.1214
30	30	Unbiased	7.2784	7.1644	-0.114
31	30	Unbiased	7.3601	7.1928	-0.1673
32	50	Biased	7.3126	7.1646	-0.148
33	50	Biased	7.306	7.1605	-0.1455
34	50	Biased	7.3503	7.3089	-0.0414
35	50	Biased	7.3253	7.301	-0.0243
36	50	Biased	7.3044	7.2505	-0.0539
37	50	Unbiased	7.2789	7.1558	-0.1231
39	50	Unbiased	7.2528	7.1688	-0.084
40	50	Unbiased	7.247	7.1736	-0.0734
41	50	Unbiased	7.3277	7.2607	-0.067
42	50	Unbiased	7.3004	7.1845	-0.1159
43	100	Biased	7.2715	7.2245	-0.047
44	100	Biased	7.2686	7.2281	-0.0405
45	100	Biased	7.4019	7.2454	-0.1565
46	100	Biased	7.2862	7.1749	-0.1113
47	100	Biased	7.3406	7.3237	-0.0169
48	100	Unbiased	7.2831	7.2132	-0.0699
49	100	Unbiased	7.2322	7.1752	-0.057
50	100	Unbiased	7.2589	7.2111	-0.0478
51	100	Unbiased	7.3534	7.2839	-0.0695
52	100	Unbiased	7.3338	7.2196	-0.1142
53	0	Correlation	7.2074	7.1031	-0.1043
54	0	Correlation	7.2929	7.1817	-0.1112
55	0	Correlation	7.2303	7.1754	-0.0549
56	0	Correlation	7.3128	7.1794	-0.1334

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	7.2074	7.2608	7.3128	0.050054	7.1031	7.1599	7.1817	0.037956	-0.1334	-0.10095	-0.0549	0.033115
3	7.2373	7.2839	7.363	0.041856	7.115	7.1664	7.2722	0.044673	-0.1825	-0.11752	-0.0786	0.033554
10	7.2405	7.3063	7.3553	0.037304	7.1793	7.2148	7.2476	0.022982	-0.1751	-0.09148	-0.0447	0.039269
30	7.2515	7.3068	7.3601	0.036294	7.1301	7.1834	7.2546	0.03446	-0.1673	-0.12339	-0.0201	0.042967
50	7.247	7.3005	7.3503	0.032712	7.1558	7.2129	7.3089	0.060838	-0.148	-0.08765	-0.0243	0.043433
100	7.2322	7.303	7.4019	0.05217	7.1749	7.23	7.3237	0.045634	-0.1565	-0.07306	-0.0169	0.04207

Device Test: 18.22; RESET_RPMOS_HIGH_V





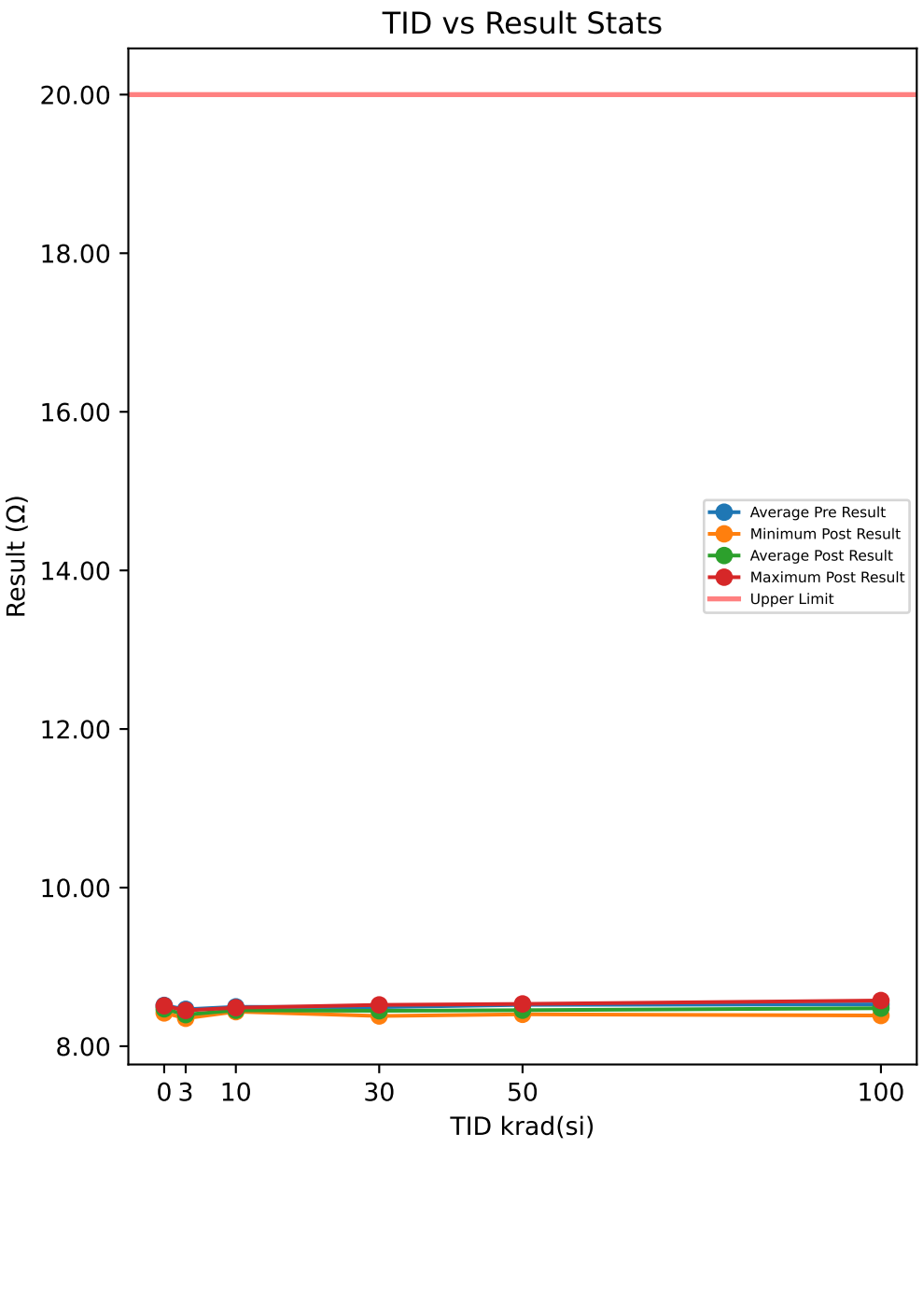
Test Results (Upper Limit = 20.0 (Ω))

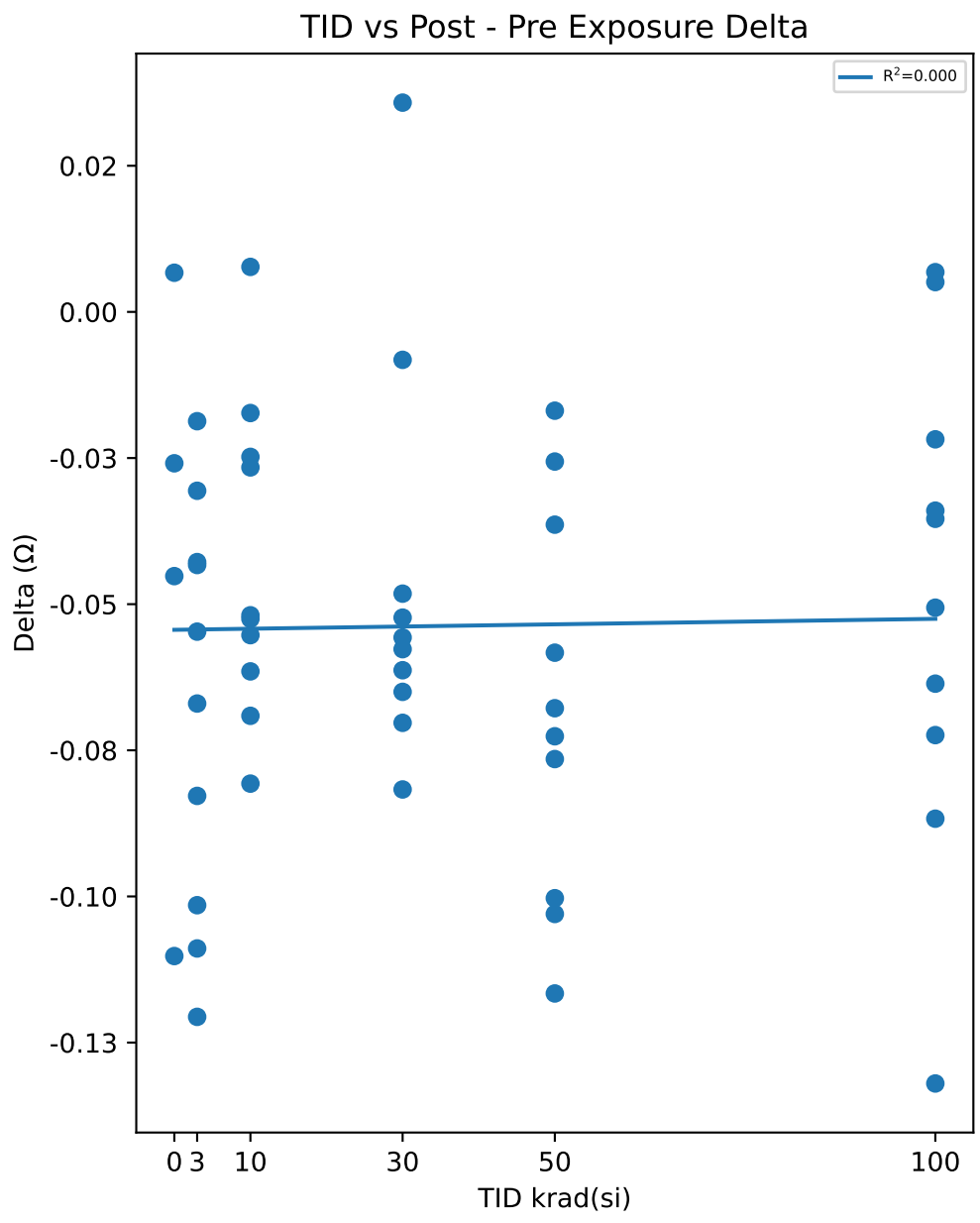
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	6.6664	6.6616	-0.0048
3	3	Biased	6.7677	6.7742	0.0065
4	3	Biased	6.6339	6.6786	0.0447
5	3	Biased	6.7132	6.6925	-0.0207
6	3	Biased	6.7129	6.7388	0.0259
7	3	Unbiased	6.7432	6.7423	-0.0009
8	3	Unbiased	6.7344	6.7405	0.0061
9	3	Unbiased	6.7137	6.731	0.0173
10	3	Unbiased	6.7088	6.7196	0.0108
11	3	Unbiased	6.7037	6.7167	0.013
12	10	Unbiased	6.7383	6.7761	0.0378
13	10	Unbiased	6.805	6.7986	-0.0064
14	10	Unbiased	6.7415	6.7574	0.0159
15	10	Unbiased	6.7276	6.7544	0.0268
16	10	Unbiased	6.6941	6.7655	0.0714
17	10	Biased	6.7194	6.7535	0.0341
18	10	Biased	6.7446	6.7458	0.0012
19	10	Biased	6.7296	6.7093	-0.0203
20	10	Biased	6.7529	6.76	0.0071
21	10	Biased	6.7962	6.7582	-0.038
22	30	Biased	6.6943	6.6962	0.0019
23	30	Biased	6.8246	6.7807	-0.0439
24	30	Biased	6.7755	6.7647	-0.0108
25	30	Biased	6.7308	6.6972	-0.0336
26	30	Biased	6.6721	6.7217	0.0496
27	30	Unbiased	6.7327	6.7013	-0.0314
28	30	Unbiased	6.7138	6.7938	0.08
29	30	Unbiased	6.6748	6.6798	0.005
30	30	Unbiased	6.7176	6.7221	0.0045
31	30	Unbiased	6.7702	6.6948	-0.0754
32	50	Biased	6.7332	6.7276	-0.0056
33	50	Biased	6.7505	6.7474	-0.0031
34	50	Biased	6.7657	6.7817	0.016
35	50	Biased	6.7062	6.7976	0.0914
36	50	Biased	6.7277	6.7684	0.0407
37	50	Unbiased	6.7048	6.7241	0.0193
39	50	Unbiased	6.6973	6.7026	0.0053
40	50	Unbiased	6.7339	6.726	-0.0079
41	50	Unbiased	6.751	6.7733	0.0223
42	50	Unbiased	6.7449	6.7104	-0.0345
43	100	Biased	6.7425	6.7662	0.0237
44	100	Biased	6.7077	6.7858	0.0781
45	100	Biased	6.8014	6.8004	-0.001
46	100	Biased	6.6962	6.6954	-0.0008
47	100	Biased	6.7984	6.831	0.0326
48	100	Unbiased	6.6559	6.7524	0.0965
49	100	Unbiased	6.7642	6.7621	-0.0021
50	100	Unbiased	6.6901	6.7635	0.0734
51	100	Unbiased	6.8377	6.8204	-0.0173
52	100	Unbiased	6.7332	6.7932	0.06
53	0	Correlation	6.6465	6.6528	0.0063
54	0	Correlation	6.7321	6.7421	0.01
55	0	Correlation	6.704	6.7596	0.0556
56	0	Correlation	6.691	6.7556	0.0646

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	6.6465	6.6934	6.7321	0.035662	6.6528	6.7275	6.7596	0.050376	0.0063	0.034125	0.0646	0.030255
3	6.6339	6.7098	6.7677	0.037701	6.6616	6.7196	6.7742	0.033697	-0.0207	0.00979	0.0447	0.017724
10	6.6941	6.7449	6.805	0.033545	6.7093	6.7579	6.7986	0.022584	-0.038	0.01296	0.0714	0.031499
30	6.6721	6.7306	6.8246	0.047992	6.6798	6.7252	6.7938	0.040208	-0.0754	-0.00541	0.08	0.04529
50	6.6973	6.7315	6.7657	0.022696	6.7026	6.7459	6.7976	0.032583	-0.0345	0.01439	0.0914	0.033973
100	6.6559	6.7427	6.8377	0.057556	6.6954	6.777	6.831	0.038689	-0.0173	0.03431	0.0965	0.040218

Device Test: 18.23; PWRGD_RPMOS_HIGH_V





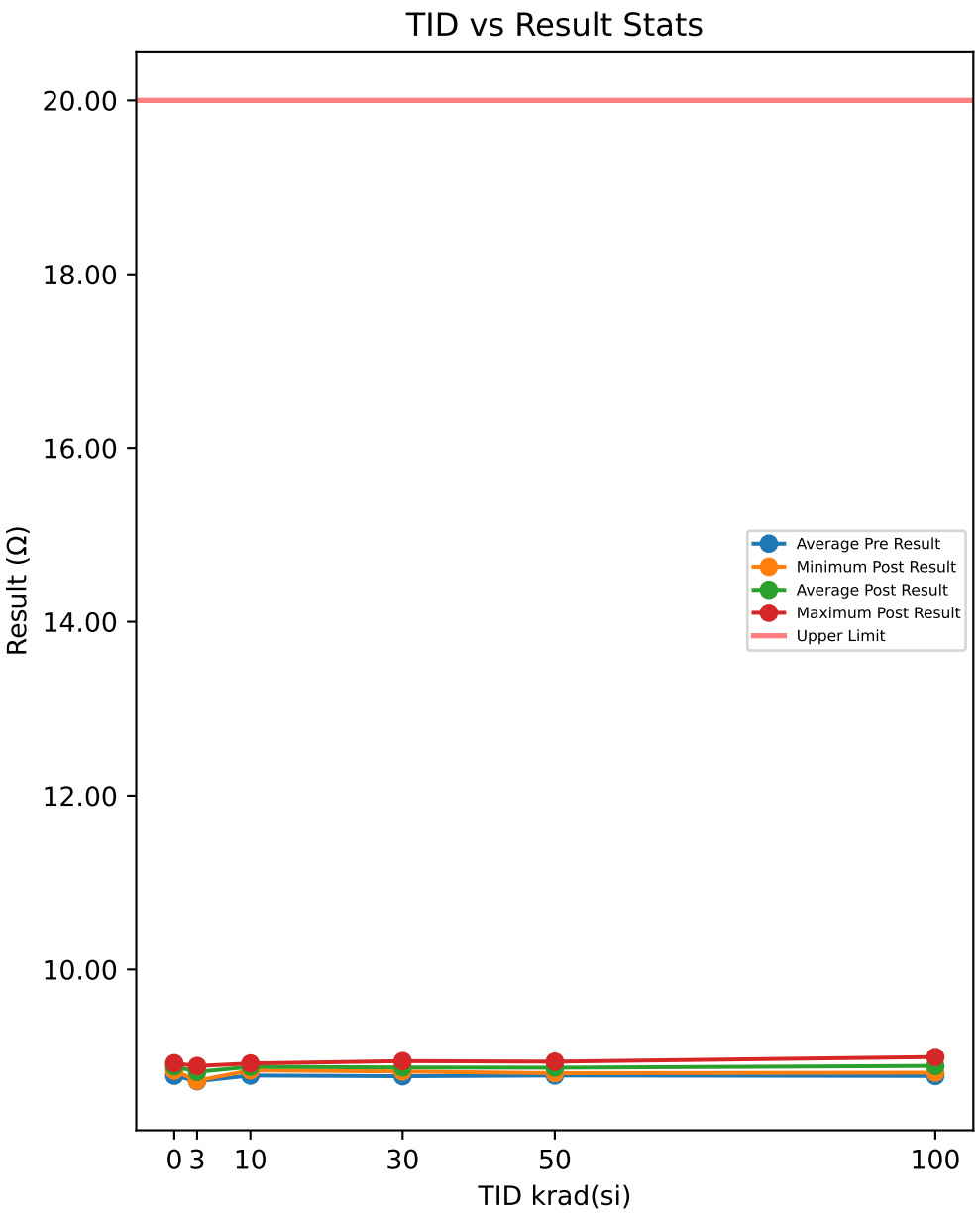
Test Results (Upper Limit = 20.0 (Ω))

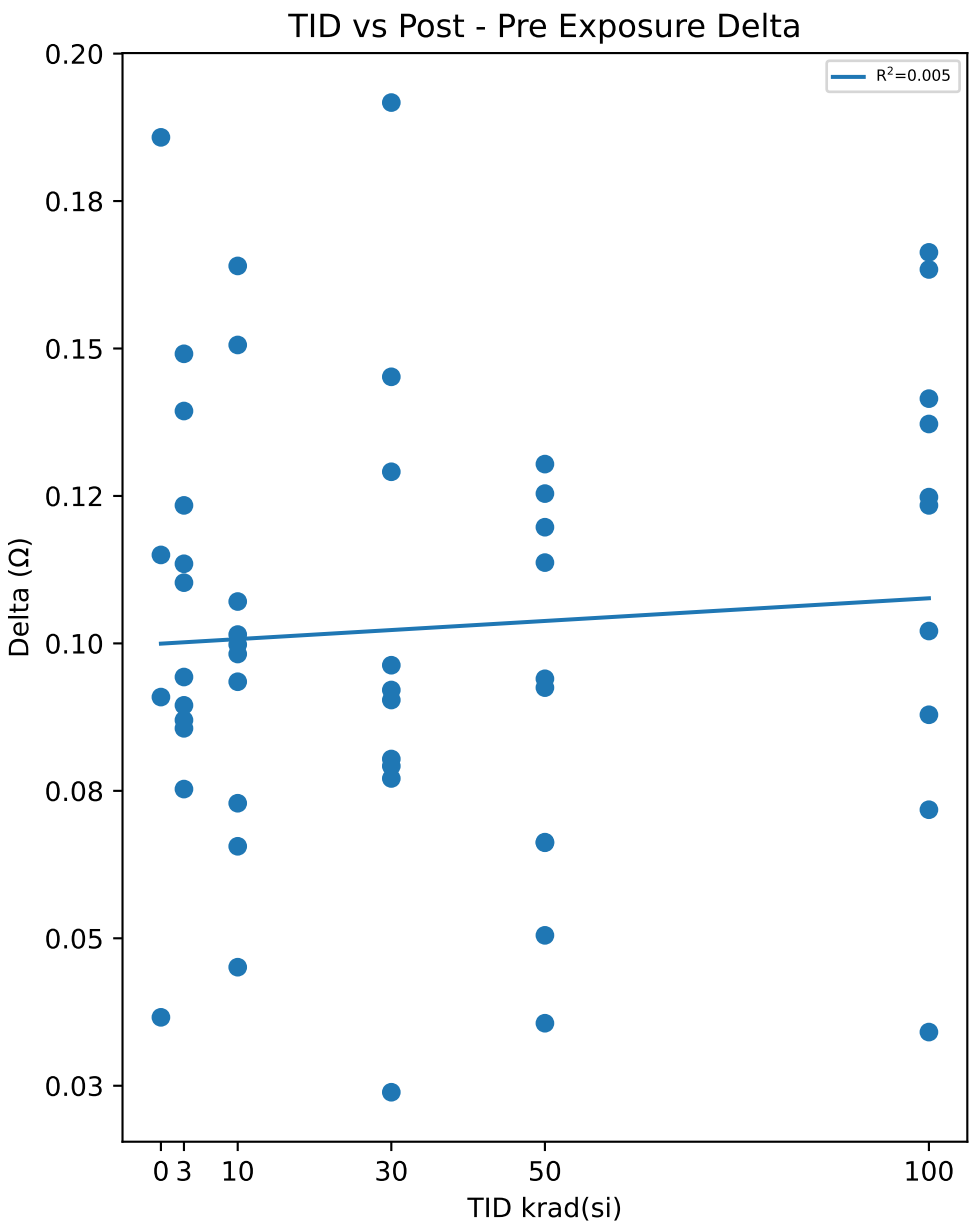
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	8.4198	8.377	-0.0428
3	3	Biased	8.5341	8.4513	-0.0828
4	3	Biased	8.461	8.3521	-0.1089
5	3	Biased	8.4978	8.3772	-0.1206
6	3	Biased	8.4285	8.3738	-0.0547
7	3	Unbiased	8.4414	8.4108	-0.0306
8	3	Unbiased	8.4971	8.3956	-0.1015
9	3	Unbiased	8.4485	8.4298	-0.0187
10	3	Unbiased	8.4887	8.4217	-0.067
11	3	Unbiased	8.4366	8.3933	-0.0433
12	10	Unbiased	8.4806	8.454	-0.0266
13	10	Unbiased	8.5134	8.4443	-0.0691
14	10	Unbiased	8.5473	8.4858	-0.0615
15	10	Unbiased	8.4686	8.4438	-0.0248
16	10	Unbiased	8.5137	8.4612	-0.0525
17	10	Biased	8.4482	8.4559	0.0077
18	10	Biased	8.5308	8.4501	-0.0807
19	10	Biased	8.4911	8.4358	-0.0553
20	10	Biased	8.4978	8.4459	-0.0519
21	10	Biased	8.4734	8.4561	-0.0173
22	30	Biased	8.4564	8.3987	-0.0577
23	30	Biased	8.5243	8.454	-0.0703
24	30	Biased	8.5009	8.4192	-0.0817
25	30	Biased	8.3895	8.3813	-0.0082
26	30	Biased	8.4097	8.4455	0.0358
27	30	Unbiased	8.5003	8.4521	-0.0482
28	30	Unbiased	8.5104	8.4454	-0.065
29	30	Unbiased	8.5434	8.4877	-0.0557
30	30	Unbiased	8.5228	8.4615	-0.0613
31	30	Unbiased	8.5733	8.521	-0.0523
32	50	Biased	8.553	8.4804	-0.0726
33	50	Biased	8.5188	8.4022	-0.1166
34	50	Biased	8.5589	8.5333	-0.0256
35	50	Biased	8.5159	8.4795	-0.0364
36	50	Biased	8.5218	8.5049	-0.0169
37	50	Unbiased	8.4786	8.4203	-0.0583
39	50	Unbiased	8.4984	8.4219	-0.0765
40	50	Unbiased	8.5142	8.4112	-0.103
41	50	Unbiased	8.558	8.4577	-0.1003
42	50	Unbiased	8.4993	8.4315	-0.0678
43	100	Biased	8.5223	8.5005	-0.0218
44	100	Biased	8.5192	8.3872	-0.132
45	100	Biased	8.5504	8.478	-0.0724
46	100	Biased	8.4942	8.4306	-0.0636
47	100	Biased	8.5917	8.5411	-0.0506
48	100	Unbiased	8.509	8.4223	-0.0867
49	100	Unbiased	8.4867	8.4527	-0.034
50	100	Unbiased	8.5154	8.5205	0.0051
51	100	Unbiased	8.5694	8.5762	0.0068
52	100	Unbiased	8.5184	8.483	-0.0354
53	0	Correlation	8.5014	8.4562	-0.0452
54	0	Correlation	8.5029	8.5096	0.0067
55	0	Correlation	8.5299	8.4197	-0.1102
56	0	Correlation	8.5246	8.4987	-0.0259

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	8.5014	8.5147	8.5299	0.014665	8.4197	8.471	8.5096	0.041263	-0.1102	-0.04365	0.0067	0.049266
3	8.4198	8.4653	8.5341	0.037221	8.3521	8.3983	8.4513	0.030131	-0.1206	-0.06709	-0.0187	0.035
10	8.4482	8.4965	8.5473	0.030308	8.4358	8.4533	8.4858	0.013647	-0.0807	-0.0432	0.0077	0.027072
30	8.3895	8.4931	8.5733	0.05799	8.3813	8.4466	8.521	0.040611	-0.0817	-0.04646	0.0358	0.034727
50	8.4786	8.5217	8.5589	0.027247	8.4022	8.4543	8.5333	0.044004	-0.1166	-0.0674	-0.0169	0.033701
100	8.4867	8.5277	8.5917	0.033069	8.3872	8.4792	8.5762	0.05791	-0.132	-0.04846	0.0068	0.042506

Device Test: 18.24; WDO_RPMOS_HIGH_V





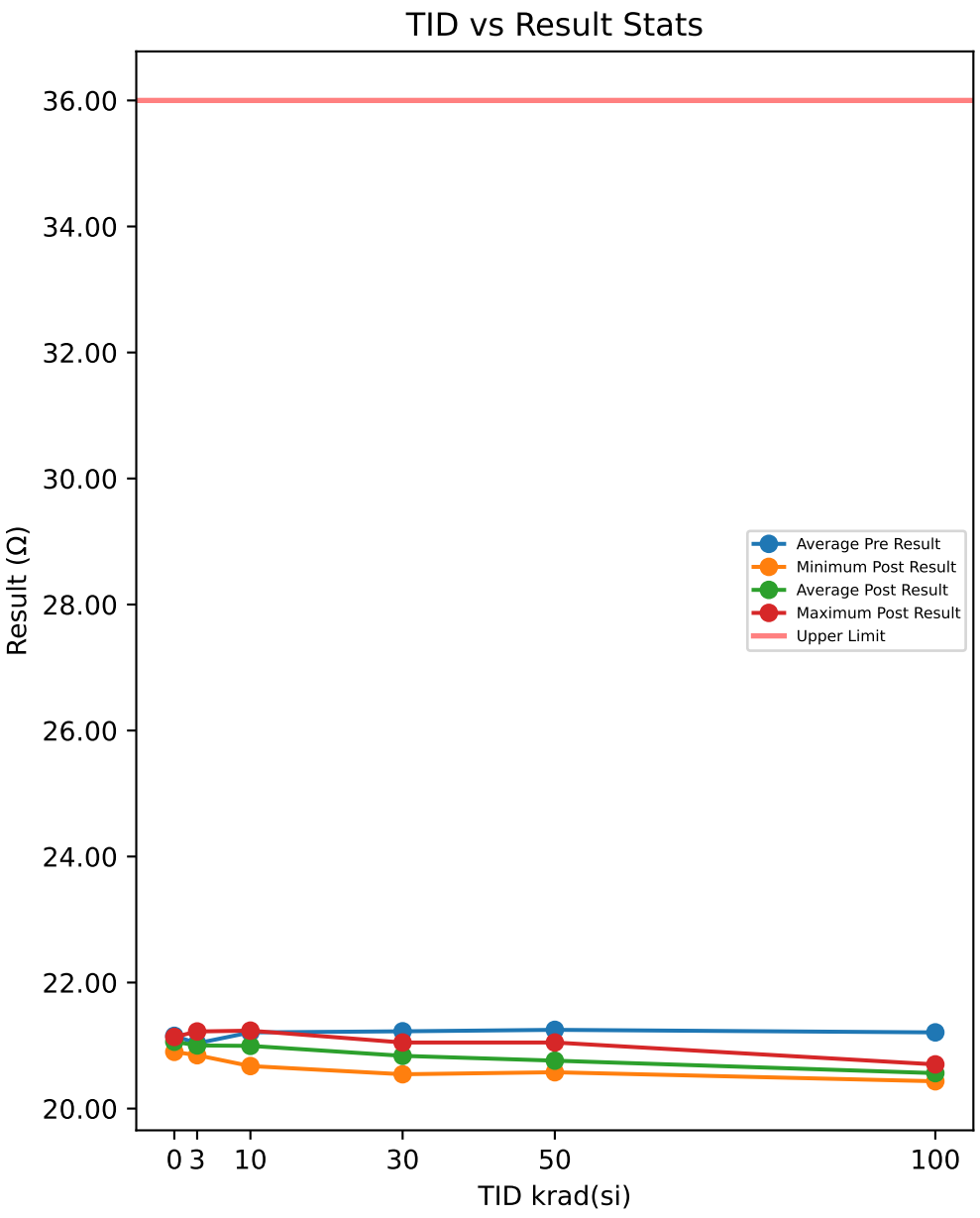
Test Results (Upper Limit = 20.0 (Ω))

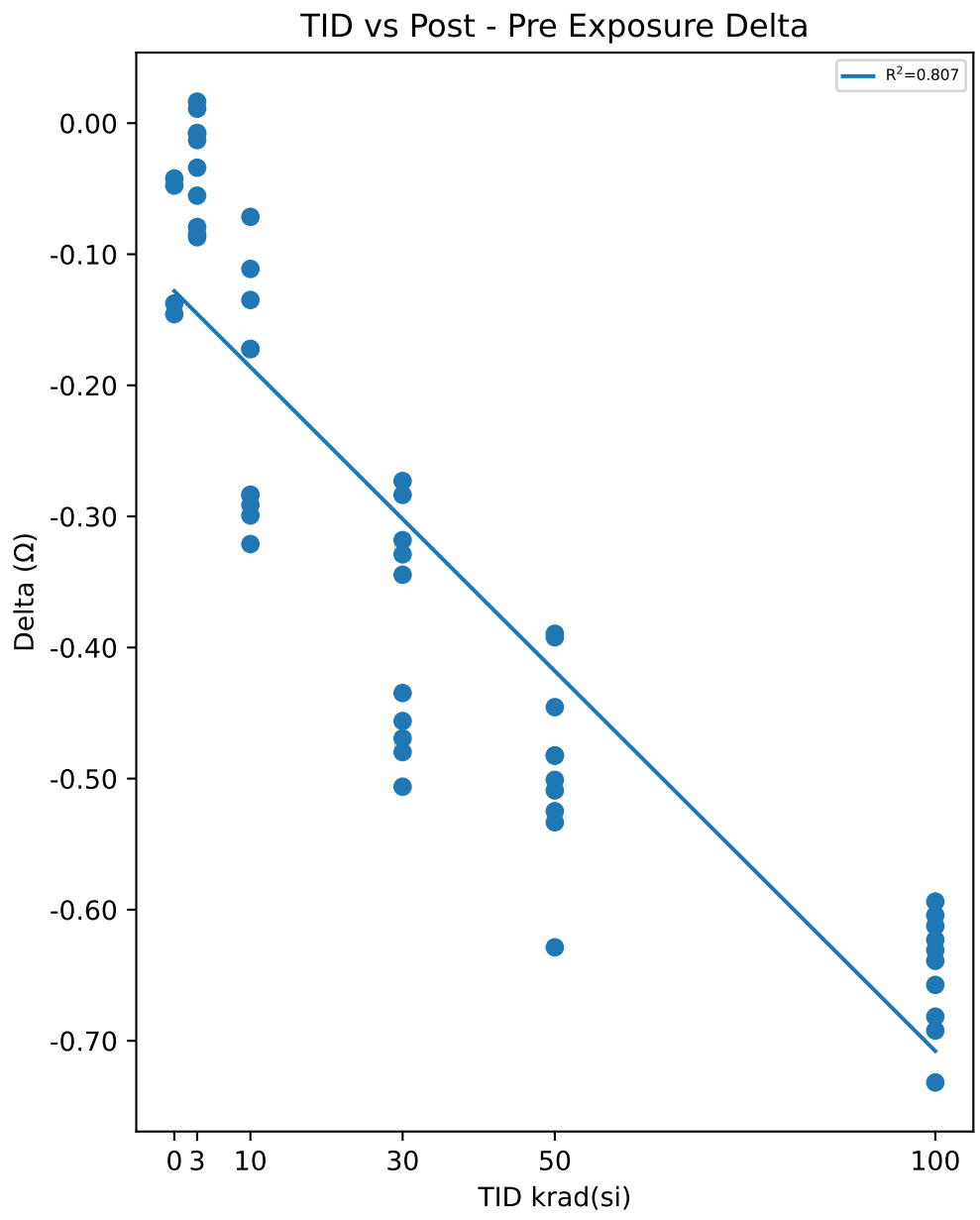
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	8.6302	8.7197	0.0895
3	3	Biased	8.7791	8.8894	0.1103
4	3	Biased	8.7139	8.8274	0.1135
5	3	Biased	8.764	8.8393	0.0753
6	3	Biased	8.684	8.8331	0.1491
7	3	Unbiased	8.6917	8.7773	0.0856
8	3	Unbiased	8.7262	8.8656	0.1394
9	3	Unbiased	8.7173	8.8043	0.087
10	3	Unbiased	8.7496	8.8439	0.0943
11	3	Unbiased	8.6948	8.8182	0.1234
12	10	Unbiased	8.7547	8.9187	0.164
13	10	Unbiased	8.753	8.9036	0.1506
14	10	Unbiased	8.7843	8.8841	0.0998
15	10	Unbiased	8.7666	8.8395	0.0729
16	10	Unbiased	8.7958	8.894	0.0982
17	10	Biased	8.7833	8.8489	0.0656
18	10	Biased	8.7678	8.8749	0.1071
19	10	Biased	8.8103	8.8554	0.0451
20	10	Biased	8.7931	8.8866	0.0935
21	10	Biased	8.7927	8.8942	0.1015
22	30	Biased	8.7359	8.8263	0.0904
23	30	Biased	8.8064	8.9027	0.0963
24	30	Biased	8.8042	8.8281	0.0239
25	30	Biased	8.6981	8.8433	0.1452
26	30	Biased	8.7051	8.8968	0.1917
27	30	Unbiased	8.7744	8.9035	0.1291
28	30	Unbiased	8.7766	8.857	0.0804
29	30	Unbiased	8.7644	8.8436	0.0792
30	30	Unbiased	8.7863	8.8784	0.0921
31	30	Unbiased	8.8687	8.9458	0.0771
32	50	Biased	8.8431	8.8787	0.0356
33	50	Biased	8.7293	8.843	0.1137
34	50	Biased	8.8092	8.9396	0.1304
35	50	Biased	8.7767	8.8964	0.1197
36	50	Biased	8.8013	8.8953	0.094
37	50	Unbiased	8.7633	8.8558	0.0925
39	50	Unbiased	8.7805	8.8467	0.0662
40	50	Unbiased	8.7565	8.807	0.0505
41	50	Unbiased	8.7844	8.8507	0.0663
42	50	Unbiased	8.7602	8.8856	0.1254
43	100	Biased	8.7593	8.9227	0.1634
44	100	Biased	8.7429	8.8147	0.0718
45	100	Biased	8.8033	8.9267	0.1234
46	100	Biased	8.7789	8.813	0.0341
47	100	Biased	8.7969	8.9632	0.1663
48	100	Unbiased	8.7248	8.8127	0.0879
49	100	Unbiased	8.7104	8.8352	0.1248
50	100	Unbiased	8.7657	8.9029	0.1372
51	100	Unbiased	8.8515	8.993	0.1415
52	100	Unbiased	8.819	8.9211	0.1021
53	0	Correlation	8.7994	8.836	0.0366
54	0	Correlation	8.8062	8.9212	0.115
55	0	Correlation	8.7749	8.8658	0.0909
56	0	Correlation	8.7324	8.9182	0.1858

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	8.7324	8.7782	8.8062	0.033376	8.836	8.8853	8.9212	0.041561	0.0366	0.10708	0.1858	0.061884
3	8.6302	8.7151	8.7791	0.043387	8.7197	8.8218	8.8894	0.047335	0.0753	0.10674	0.1491	0.024662
10	8.753	8.7802	8.8103	0.018936	8.8395	8.88	8.9187	0.025279	0.0451	0.09983	0.164	0.036034
30	8.6981	8.772	8.8687	0.050663	8.8263	8.8726	8.9458	0.039307	0.0239	0.10054	0.1917	0.045456
50	8.7293	8.7805	8.8431	0.031816	8.807	8.8699	8.9396	0.036991	0.0356	0.08943	0.1304	0.033326
100	8.7104	8.7753	8.8515	0.04364	8.8127	8.8905	8.993	0.066743	0.0341	0.11525	0.1663	0.041696

Device Test: 18.25; RESET_RNMOS





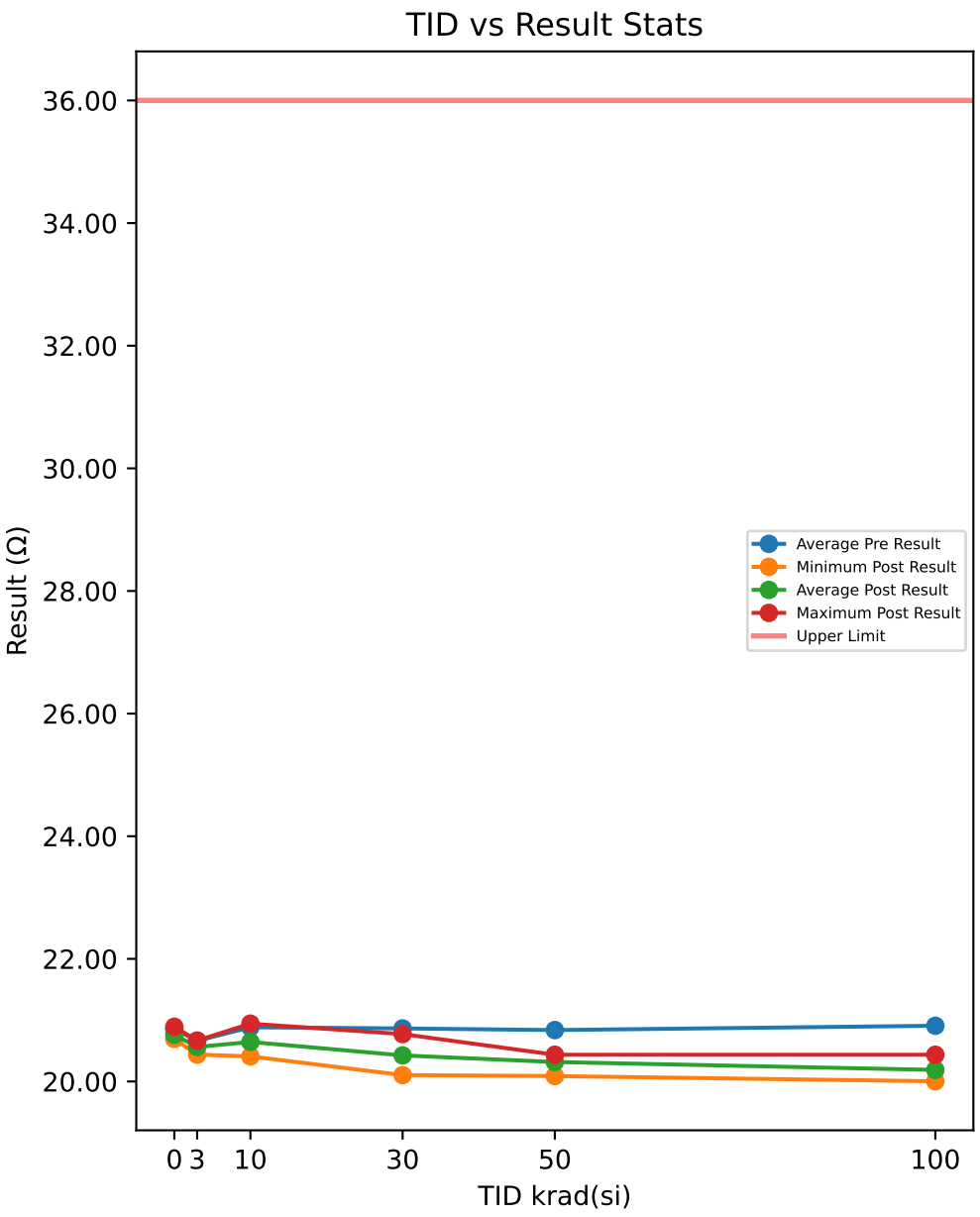
Test Results (Upper Limit = 36.0 (Ω))

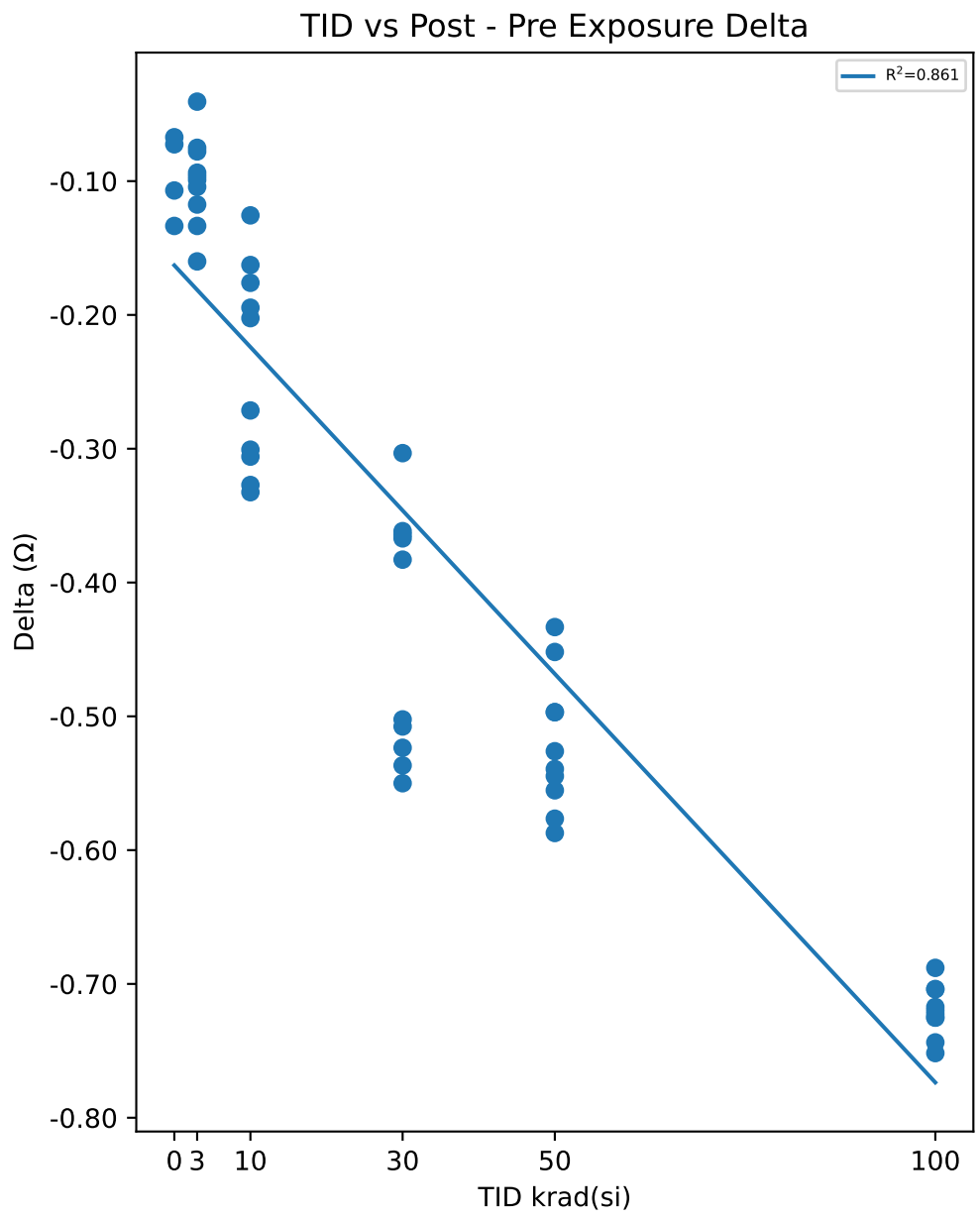
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	21.011	21.004	-0.0075
3	3	Biased	20.995	20.916	-0.0792
4	3	Biased	20.969	20.913	-0.0553
5	3	Biased	21.308	21.224	-0.0847
6	3	Biased	20.934	20.847	-0.087
7	3	Unbiased	20.977	20.943	-0.034
8	3	Unbiased	21.064	21.075	0.011
9	3	Unbiased	21.035	21.022	-0.0129
10	3	Unbiased	20.878	20.895	0.0164
11	3	Unbiased	21.189	21.181	-0.0078
12	10	Unbiased	21.303	21.232	-0.0715
13	10	Unbiased	21.215	21.104	-0.1112
14	10	Unbiased	21.33	21.157	-0.1723
15	10	Unbiased	21.33	21.157	-0.1723
16	10	Unbiased	21.027	20.892	-0.1349
17	10	Biased	20.966	20.675	-0.2913
18	10	Biased	21.04	20.741	-0.2993
19	10	Biased	21.558	21.237	-0.3211
20	10	Biased	21.085	20.802	-0.2835
21	10	Biased	21.237	20.953	-0.2836
22	30	Biased	21.287	20.818	-0.4693
23	30	Biased	21.239	20.76	-0.4798
24	30	Biased	21.375	20.919	-0.4561
25	30	Biased	21.051	20.545	-0.5062
26	30	Biased	21.115	20.68	-0.4347
27	30	Unbiased	21.242	20.924	-0.3181
28	30	Unbiased	21.378	21.049	-0.3289
29	30	Unbiased	21.218	20.945	-0.273
30	30	Unbiased	21.139	20.855	-0.2836
31	30	Unbiased	21.221	20.876	-0.3445
32	50	Biased	21.184	20.683	-0.501
33	50	Biased	21.059	20.577	-0.4823
34	50	Biased	21.213	20.688	-0.5249
35	50	Biased	21.218	20.709	-0.509
36	50	Biased	21.555	20.927	-0.6287
37	50	Unbiased	21.152	20.76	-0.3922
39	50	Unbiased	21.173	20.691	-0.4825
40	50	Unbiased	21.075	20.685	-0.3895
41	50	Unbiased	21.582	21.049	-0.5333
42	50	Unbiased	21.285	20.839	-0.4455
43	100	Biased	21.083	20.452	-0.6309
44	100	Biased	21.038	20.433	-0.6043
45	100	Biased	21.393	20.701	-0.6922
46	100	Biased	21.136	20.479	-0.6574
47	100	Biased	21.181	20.558	-0.623
48	100	Unbiased	21.186	20.593	-0.5938
49	100	Unbiased	21.269	20.537	-0.7318
50	100	Unbiased	21.226	20.614	-0.6125
51	100	Unbiased	21.197	20.558	-0.639
52	100	Unbiased	21.383	20.701	-0.6816
53	0	Correlation	21.168	21.12	-0.0476
54	0	Correlation	21.178	21.136	-0.0422
55	0	Correlation	21.038	20.9	-0.1376
56	0	Correlation	21.234	21.088	-0.1457

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	21.038	21.154	21.234	0.083119	20.9	21.061	21.136	0.10924	-0.1457	-0.093275	-0.0422	0.056
3	20.878	21.036	21.308	0.12648	20.847	21.002	21.224	0.12529	-0.087	-0.0341	0.0164	0.039826
10	20.966	21.209	21.558	0.18149	20.675	20.995	21.237	0.20973	-0.3211	-0.2141	-0.0715	0.09129
30	21.051	21.226	21.378	0.10542	20.545	20.837	21.049	0.14491	-0.5062	-0.38942	-0.273	0.088319
50	21.059	21.25	21.582	0.18077	20.577	20.761	21.049	0.13947	-0.6287	-0.48889	-0.3895	0.070365
100	21.038	21.209	21.393	0.11553	20.433	20.563	20.701	0.093484	-0.7318	-0.64665	-0.5938	0.043819

Device Test: 18.26; RESET_RNMOS





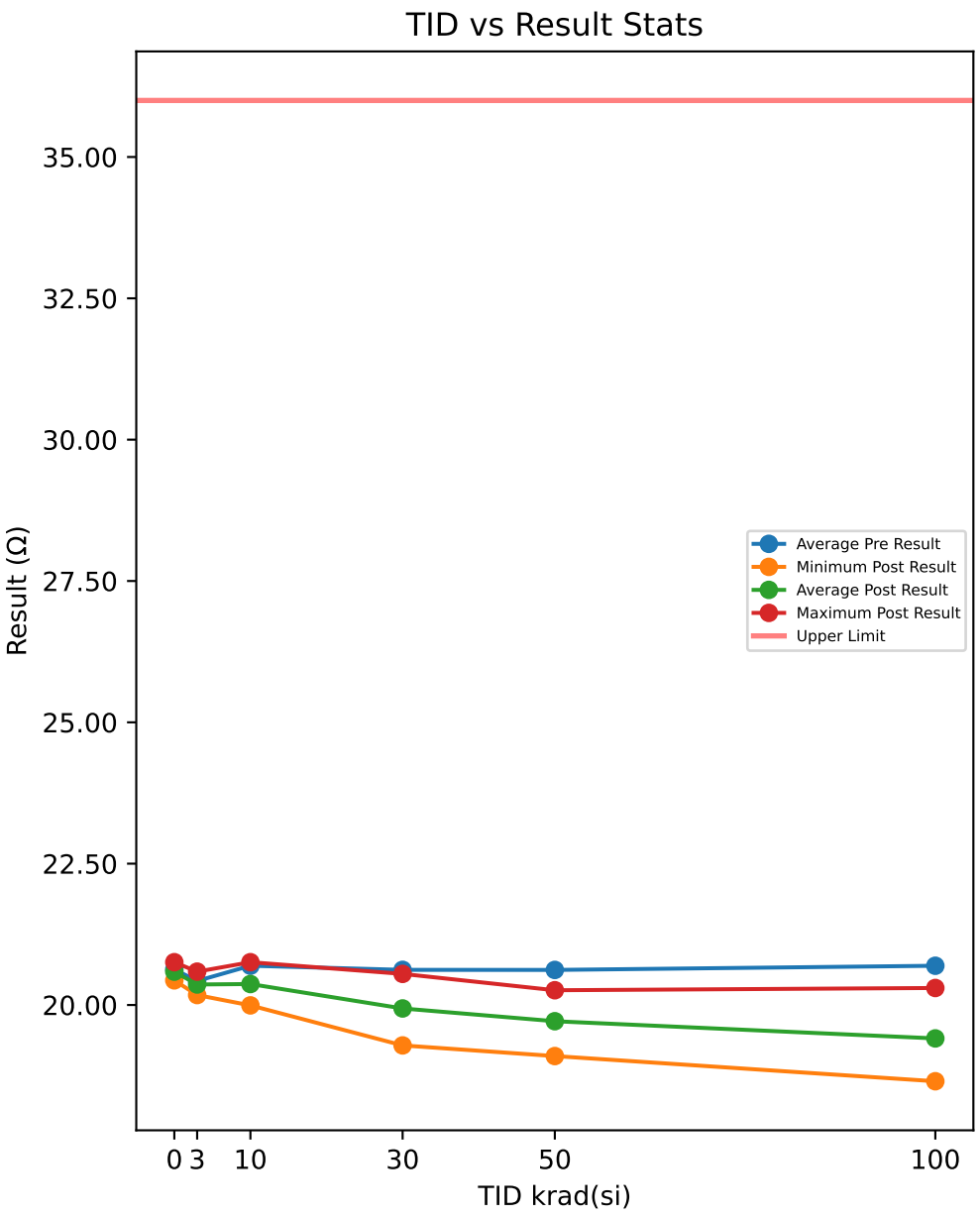
Test Results (Upper Limit = 36.0 (Ω))

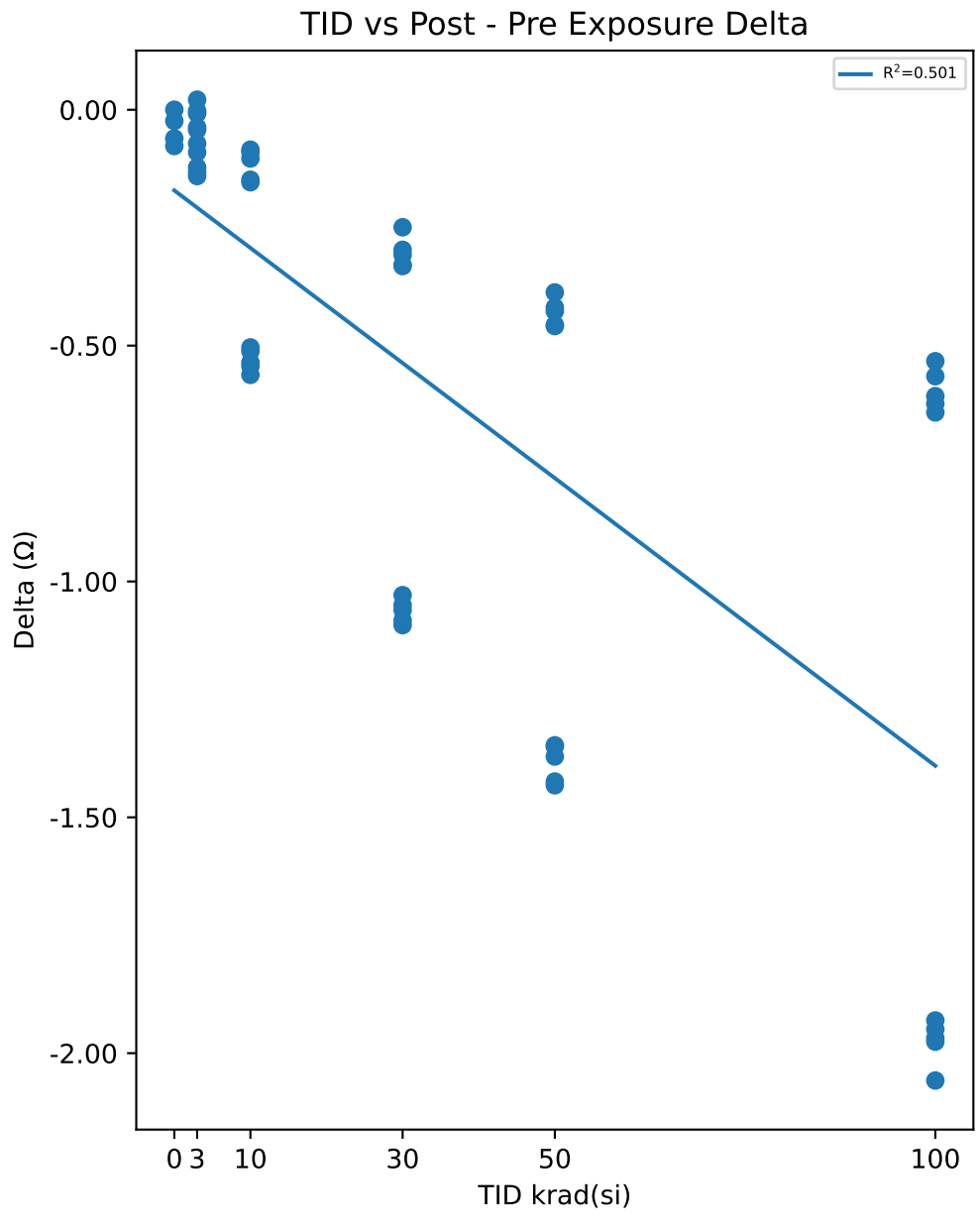
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	20.535	20.439	-0.0963
3	3	Biased	20.766	20.667	-0.099
4	3	Biased	20.646	20.513	-0.1335
5	3	Biased	20.705	20.601	-0.1043
6	3	Biased	20.71	20.55	-0.16
7	3	Unbiased	20.646	20.569	-0.0778
8	3	Unbiased	20.585	20.468	-0.1175
9	3	Unbiased	20.636	20.595	-0.0406
10	3	Unbiased	20.649	20.574	-0.0751
11	3	Unbiased	20.75	20.656	-0.0937
12	10	Unbiased	20.832	20.656	-0.176
13	10	Unbiased	20.928	20.765	-0.1627
14	10	Unbiased	20.861	20.736	-0.1256
15	10	Unbiased	20.766	20.563	-0.2024
16	10	Unbiased	20.907	20.712	-0.1946
17	10	Biased	20.816	20.489	-0.3271
18	10	Biased	20.917	20.616	-0.3007
19	10	Biased	21.214	20.943	-0.2714
20	10	Biased	20.742	20.41	-0.3325
21	10	Biased	20.859	20.553	-0.3059
22	30	Biased	20.952	20.428	-0.5235
23	30	Biased	20.949	20.412	-0.5367
24	30	Biased	20.898	20.391	-0.5076
25	30	Biased	20.654	20.104	-0.55
26	30	Biased	20.798	20.295	-0.5023
27	30	Unbiased	20.883	20.518	-0.3643
28	30	Unbiased	20.808	20.505	-0.3033
29	30	Unbiased	20.776	20.394	-0.3829
30	30	Unbiased	20.798	20.431	-0.367
31	30	Unbiased	21.135	20.773	-0.3616
32	50	Biased	20.859	20.282	-0.5765
33	50	Biased	20.633	20.088	-0.5447
34	50	Biased	20.792	20.253	-0.5394
35	50	Biased	20.962	20.375	-0.5872
36	50	Biased	20.936	20.38	-0.5553
37	50	Unbiased	20.758	20.325	-0.4333
39	50	Unbiased	20.893	20.367	-0.5261
40	50	Unbiased	20.888	20.436	-0.4519
41	50	Unbiased	20.84	20.343	-0.4969
42	50	Unbiased	20.824	20.327	-0.4969
43	100	Biased	21.063	20.311	-0.7517
44	100	Biased	20.779	20.035	-0.7437
45	100	Biased	20.941	20.216	-0.7251
46	100	Biased	20.925	20.221	-0.7039
47	100	Biased	20.978	20.29	-0.688
48	100	Unbiased	20.753	20.049	-0.7039
49	100	Unbiased	20.723	20.004	-0.7198
50	100	Unbiased	20.822	20.104	-0.7172
51	100	Unbiased	21.159	20.436	-0.7225
52	100	Unbiased	20.946	20.221	-0.7252
53	0	Correlation	20.827	20.693	-0.1335
54	0	Correlation	20.872	20.765	-0.107
55	0	Correlation	20.768	20.696	-0.0725
56	0	Correlation	20.959	20.892	-0.0672

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	20.768	20.857	20.959	0.080559	20.693	20.762	20.892	0.093182	-0.1335	-0.09505	-0.0672	0.03112
3	20.535	20.663	20.766	0.071467	20.439	20.563	20.667	0.07395	-0.16	-0.09978	-0.0406	0.032901
10	20.742	20.884	21.214	0.13128	20.41	20.644	20.943	0.15336	-0.3325	-0.23989	-0.1256	0.075858
30	20.654	20.865	21.135	0.13043	20.104	20.425	20.773	0.16936	-0.55	-0.43992	-0.3033	0.09191
50	20.633	20.839	20.962	0.095188	20.088	20.318	20.436	0.095688	-0.5872	-0.52082	-0.4333	0.050764
100	20.723	20.909	21.159	0.14017	20.004	20.189	20.436	0.13895	-0.7517	-0.7201	-0.688	0.018786

Device Test: 18.27; RESET_RNMOS





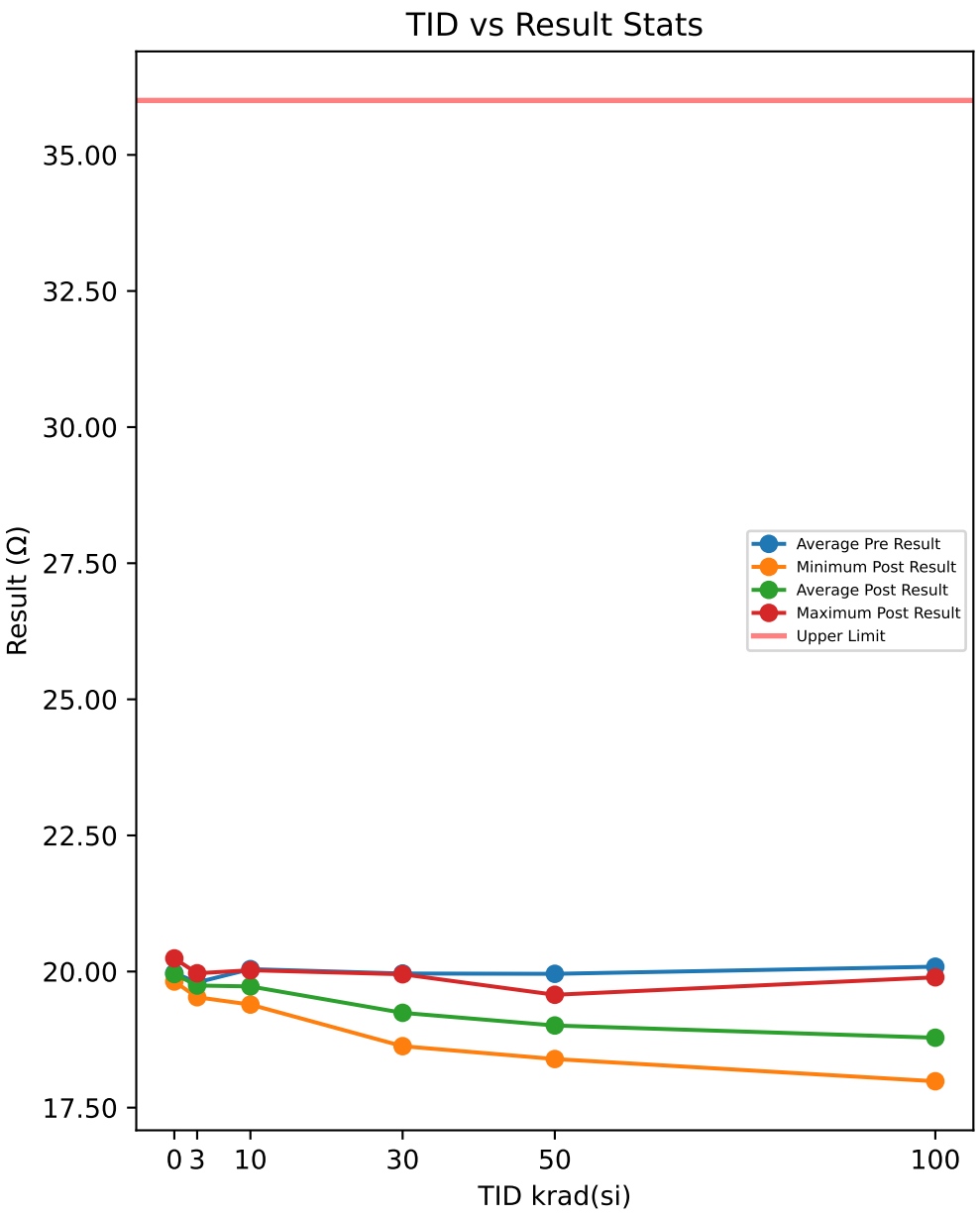
Test Results (Upper Limit = 36.0 (Ω))

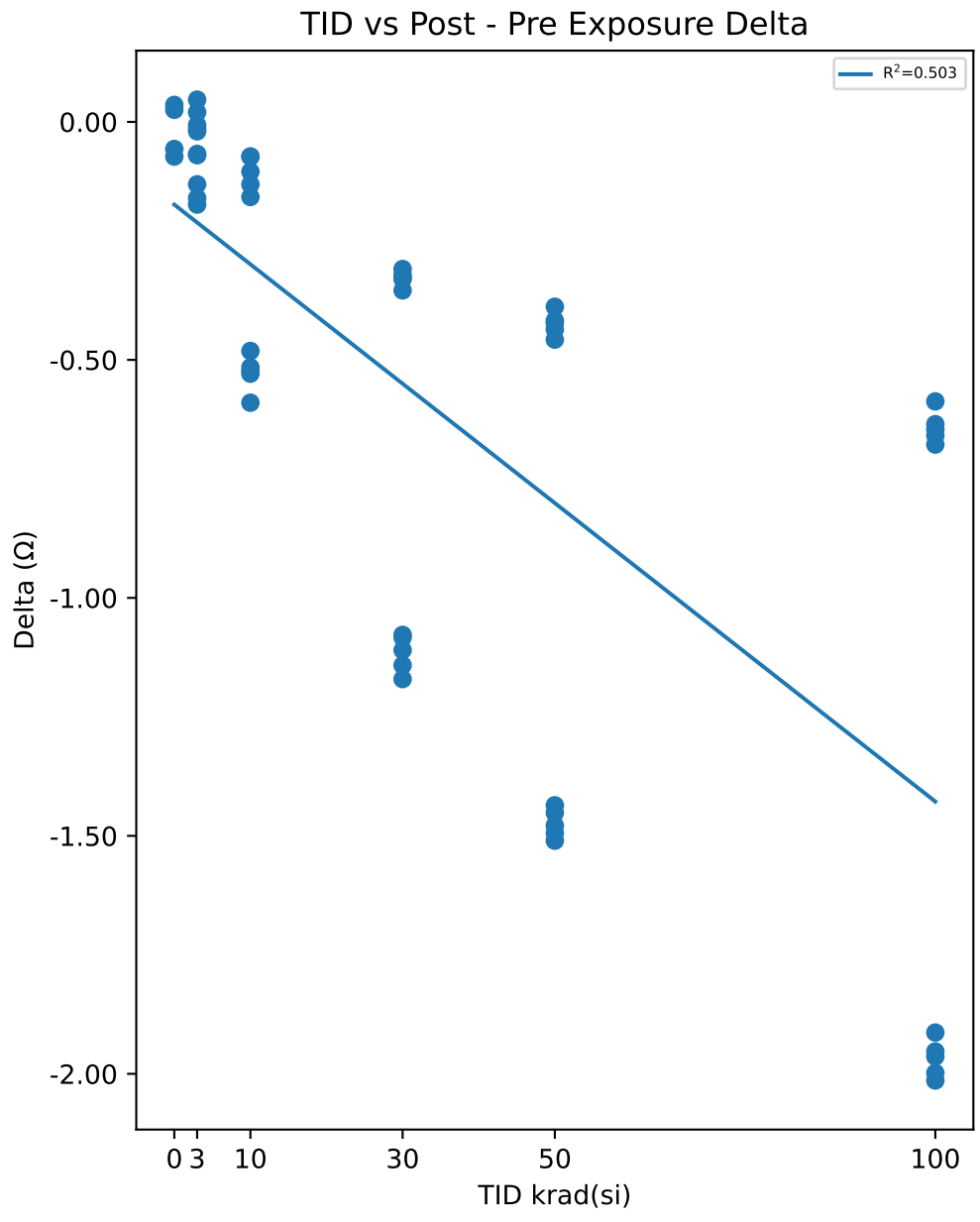
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	20.317	20.176	-0.1406
3	3	Biased	20.542	20.41	-0.1325
4	3	Biased	20.309	20.237	-0.0716
5	3	Biased	20.571	20.449	-0.1219
6	3	Biased	20.301	20.211	-0.0902
7	3	Unbiased	20.335	20.298	-0.0372
8	3	Unbiased	20.407	20.399	-0.0079
9	3	Unbiased	20.569	20.59	0.0214
10	3	Unbiased	20.383	20.341	-0.0425
11	3	Unbiased	20.521	20.518	-0.0025
12	10	Unbiased	20.717	20.627	-0.09
13	10	Unbiased	20.842	20.757	-0.0846
14	10	Unbiased	20.587	20.484	-0.1033
15	10	Unbiased	20.638	20.484	-0.1537
16	10	Unbiased	20.709	20.561	-0.1483
17	10	Biased	20.68	20.144	-0.5356
18	10	Biased	20.691	20.147	-0.5436
19	10	Biased	20.956	20.394	-0.562
20	10	Biased	20.505	19.993	-0.5118
21	10	Biased	20.622	20.118	-0.5038
22	30	Biased	20.68	19.651	-1.029
23	30	Biased	20.714	19.654	-1.0607
24	30	Biased	20.635	19.542	-1.0926
25	30	Biased	20.367	19.285	-1.0822
26	30	Biased	20.571	19.521	-1.0502
27	30	Unbiased	20.651	20.322	-0.3287
28	30	Unbiased	20.598	20.266	-0.3314
29	30	Unbiased	20.537	20.229	-0.3075
30	30	Unbiased	20.664	20.367	-0.2969
31	30	Unbiased	20.799	20.55	-0.2491
32	50	Biased	20.608	19.237	-1.3711
33	50	Biased	20.447	19.097	-1.35
34	50	Biased	20.547	19.2	-1.3473
35	50	Biased	20.791	19.367	-1.4241
36	50	Biased	20.741	19.309	-1.4321
37	50	Unbiased	20.534	20.115	-0.419
39	50	Unbiased	20.601	20.174	-0.4269
40	50	Unbiased	20.72	20.261	-0.4586
41	50	Unbiased	20.659	20.203	-0.4561
42	50	Unbiased	20.555	20.168	-0.3872
43	100	Biased	20.942	19.012	-1.9306
44	100	Biased	20.709	18.651	-2.058
45	100	Biased	20.68	18.731	-1.9493
46	100	Biased	20.73	18.755	-1.9757
47	100	Biased	20.709	18.741	-1.9678
48	100	Unbiased	20.521	19.898	-0.6232
49	100	Unbiased	20.534	19.969	-0.5649
50	100	Unbiased	20.5	19.967	-0.533
51	100	Unbiased	20.908	20.301	-0.6071
52	100	Unbiased	20.706	20.065	-0.6417
53	0	Correlation	20.513	20.436	-0.0769
54	0	Correlation	20.661	20.638	-0.0237
55	0	Correlation	20.529	20.529	0.0001
56	0	Correlation	20.818	20.757	-0.0607

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	20.513	20.63	20.818	0.14162	20.436	20.59	20.757	0.13857	-0.0769	-0.0403	0.0001	0.034945
3	20.301	20.425	20.571	0.11336	20.176	20.363	20.59	0.13549	-0.1406	-0.06255	0.0214	0.057772
10	20.505	20.695	20.956	0.12772	19.993	20.371	20.757	0.25495	-0.562	-0.32367	-0.0846	0.22058
30	20.367	20.622	20.799	0.11616	19.285	19.939	20.55	0.44959	-1.0926	-0.68283	-0.2491	0.40164
50	20.447	20.62	20.791	0.10687	19.097	19.713	20.261	0.50259	-1.4321	-0.90724	-0.3872	0.50463
100	20.5	20.694	20.942	0.15014	18.651	19.409	20.301	0.67952	-2.058	-1.2851	-0.533	0.72986

Device Test: 18.28; RESET_RNMOS





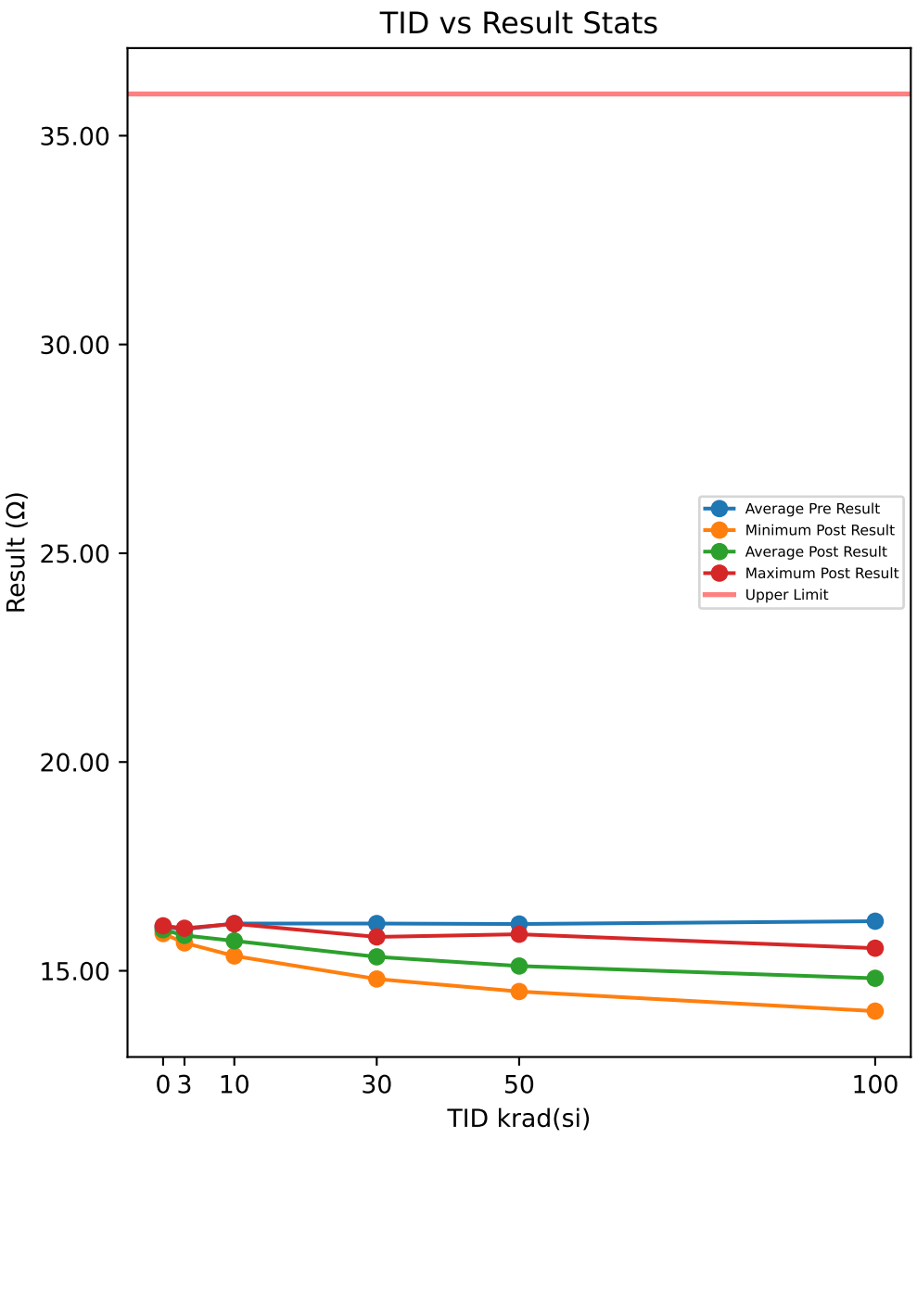
Test Results (Upper Limit = 36.0 (Ω))

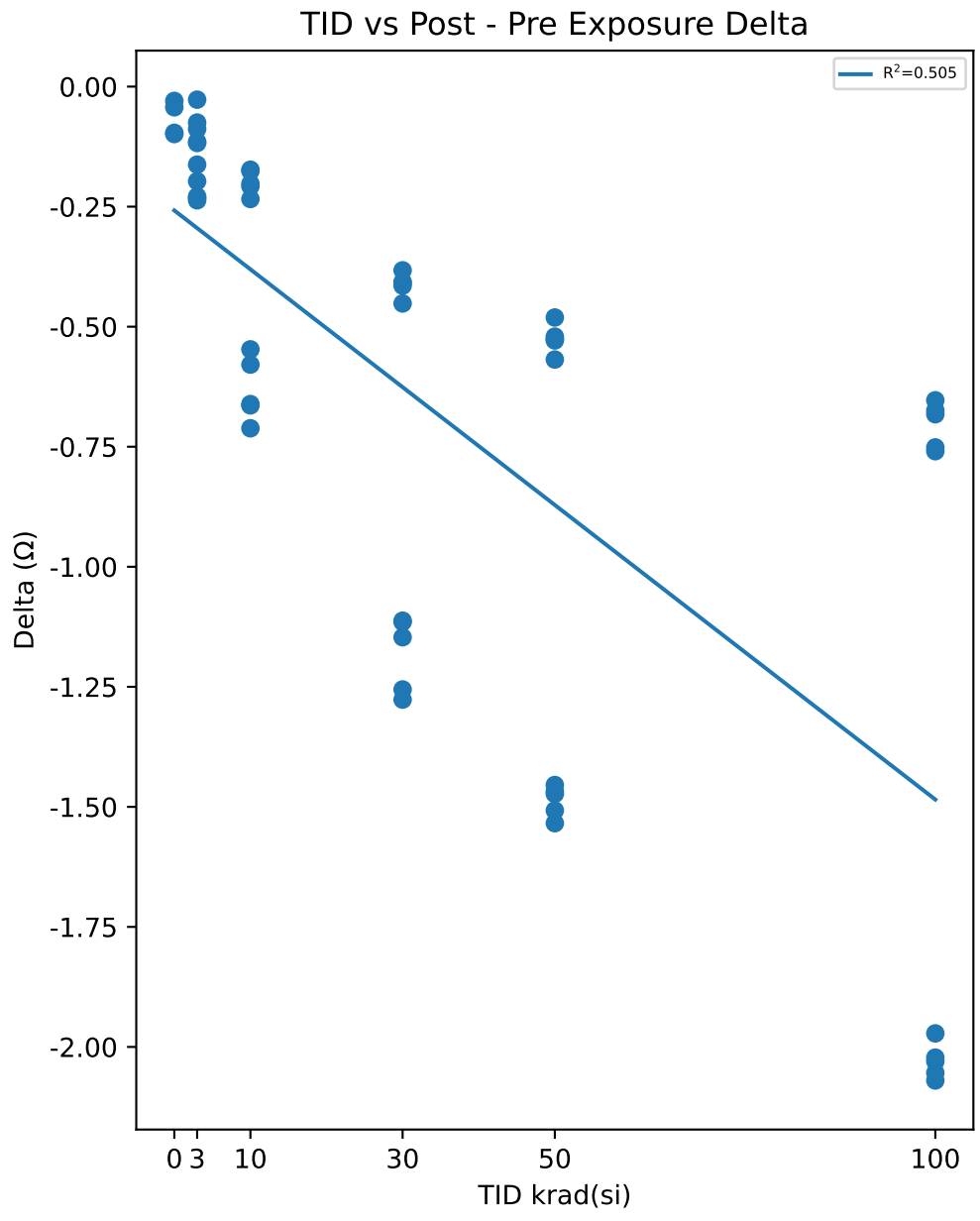
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	19.694	19.623	-0.07
3	3	Biased	20.02	19.846	-0.1737
4	3	Biased	19.688	19.528	-0.1602
5	3	Biased	19.946	19.814	-0.1312
6	3	Biased	19.635	19.568	-0.0673
7	3	Unbiased	19.656	19.65	-0.0063
8	3	Unbiased	19.701	19.722	0.0202
9	3	Unbiased	19.951	19.936	-0.0145
10	3	Unbiased	19.731	19.777	0.0467
11	3	Unbiased	19.988	19.968	-0.0198
12	10	Unbiased	20.015	19.942	-0.0728
13	10	Unbiased	20.094	20.021	-0.0729
14	10	Unbiased	19.93	19.825	-0.1046
15	10	Unbiased	19.892	19.735	-0.1577
16	10	Unbiased	20.155	20.024	-0.1313
17	10	Biased	20.131	19.541	-0.59
18	10	Biased	20.084	19.555	-0.529
19	10	Biased	20.237	19.722	-0.5158
20	10	Biased	19.916	19.393	-0.5236
21	10	Biased	19.991	19.509	-0.4813
22	30	Biased	19.996	18.854	-1.1416
23	30	Biased	20.065	18.955	-1.1098
24	30	Biased	19.935	18.857	-1.0778
25	30	Biased	19.8	18.629	-1.1706
26	30	Biased	19.877	18.793	-1.0832
27	30	Unbiased	19.988	19.666	-0.3221
28	30	Unbiased	19.996	19.642	-0.354
29	30	Unbiased	19.808	19.48	-0.3273
30	30	Unbiased	19.916	19.586	-0.3301
31	30	Unbiased	20.259	19.95	-0.3091
32	50	Biased	19.993	18.515	-1.4783
33	50	Biased	19.845	18.393	-1.4517
34	50	Biased	19.858	18.422	-1.4358
35	50	Biased	20.147	18.637	-1.5102
36	50	Biased	20.076	18.581	-1.4943
37	50	Unbiased	19.81	19.393	-0.4174
39	50	Unbiased	19.996	19.573	-0.4229
40	50	Unbiased	19.972	19.515	-0.4574
41	50	Unbiased	20.007	19.57	-0.4362
42	50	Unbiased	19.877	19.488	-0.3884
43	100	Biased	20.256	18.258	-1.9982
44	100	Biased	19.999	17.985	-2.014
45	100	Biased	19.985	18.072	-1.9133
46	100	Biased	20.046	18.093	-1.953
47	100	Biased	20.182	18.218	-1.9637
48	100	Unbiased	19.85	19.263	-0.5872
49	100	Unbiased	20.049	19.39	-0.6589
50	100	Unbiased	19.919	19.273	-0.6456
51	100	Unbiased	20.572	19.894	-0.6779
52	100	Unbiased	20.03	19.395	-0.6351
53	0	Correlation	19.839	19.865	0.0254
54	0	Correlation	19.967	19.894	-0.0729
55	0	Correlation	19.874	19.817	-0.0569
56	0	Correlation	20.206	20.241	0.0357

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	19.839	19.971	20.206	0.16513	19.817	19.954	20.241	0.19397	-0.0729	-0.017175	0.0357	0.055653
3	19.635	19.801	20.02	0.15416	19.528	19.743	19.968	0.15105	-0.1737	-0.05761	0.0467	0.076391
10	19.892	20.045	20.237	0.11426	19.393	19.727	20.024	0.22454	-0.59	-0.3179	-0.0728	0.22432
30	19.8	19.964	20.259	0.13413	18.629	19.241	19.95	0.46825	-1.1706	-0.72256	-0.3091	0.41633
50	19.81	19.958	20.147	0.10862	18.393	19.009	19.573	0.53283	-1.5102	-0.94926	-0.3884	0.55382
100	19.85	20.089	20.572	0.20584	17.985	18.784	19.894	0.71971	-2.014	-1.3047	-0.5872	0.70052

Device Test: 18.29; PWRGD_RNMOS





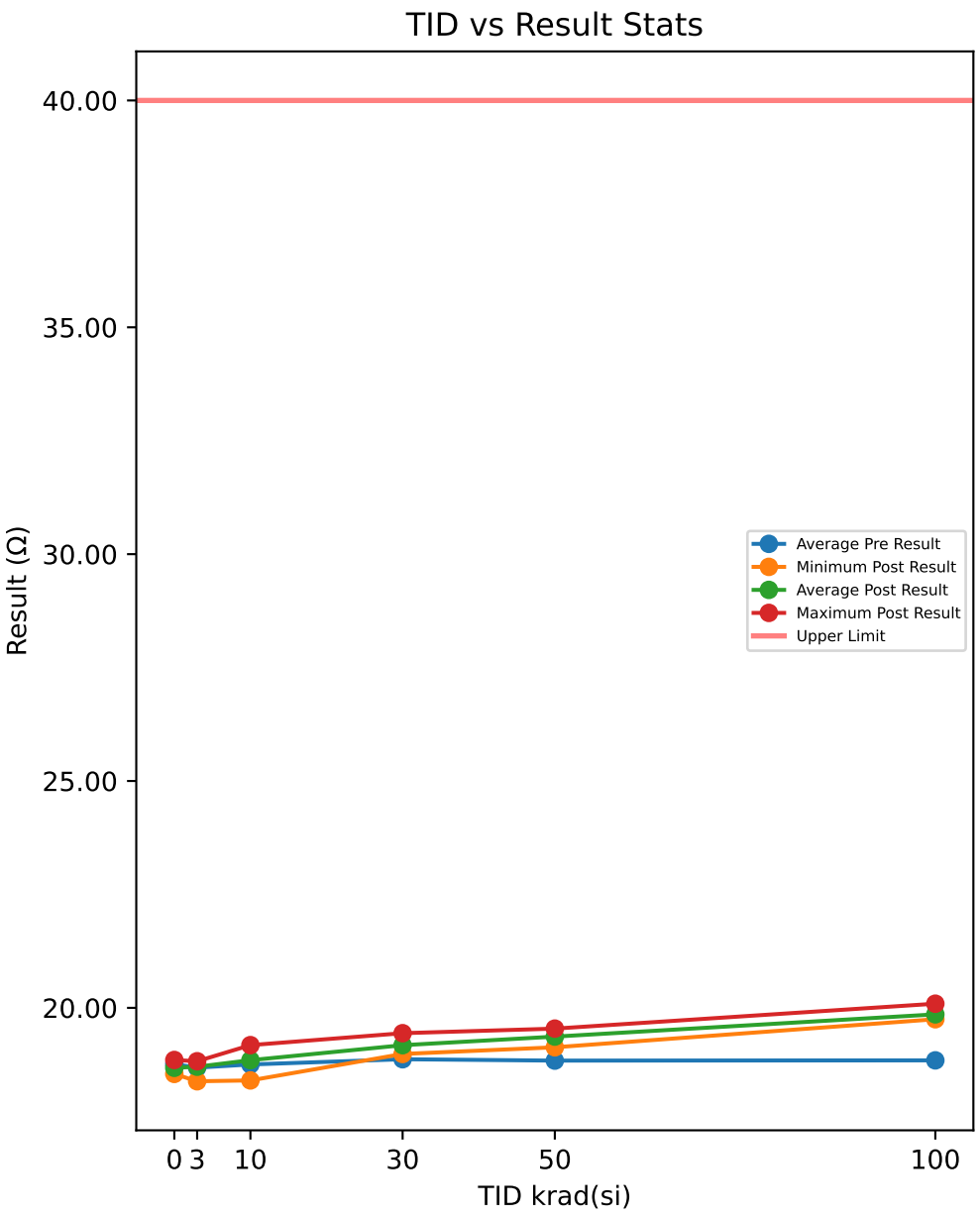
Test Results (Upper Limit = 36.0 (Ω))

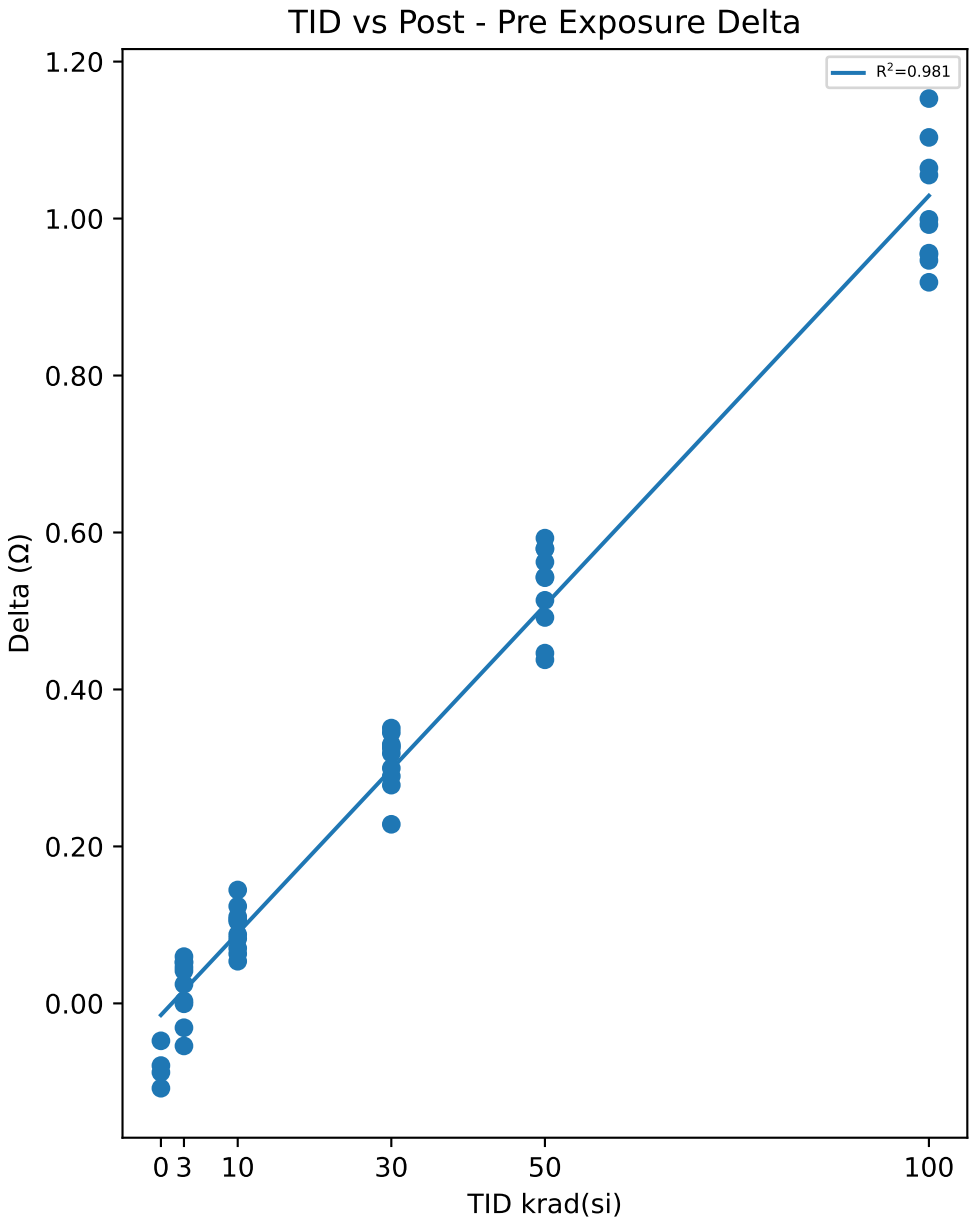
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	15.971	15.74	-0.2315
3	3	Biased	16.027	15.865	-0.1625
4	3	Biased	15.865	15.668	-0.197
5	3	Biased	16.027	15.79	-0.2368
6	3	Biased	15.94	15.711	-0.2288
7	3	Unbiased	16.019	15.931	-0.0882
8	3	Unbiased	15.897	15.822	-0.0749
9	3	Unbiased	16.133	16.018	-0.1147
10	3	Unbiased	16.046	16.018	-0.0272
11	3	Unbiased	16.027	15.91	-0.1174
12	10	Unbiased	16.218	15.984	-0.2341
13	10	Unbiased	16.298	16.125	-0.1731
14	10	Unbiased	16.017	15.814	-0.2023
15	10	Unbiased	16.12	15.912	-0.2075
16	10	Unbiased	16.139	15.963	-0.1757
17	10	Biased	16.112	15.565	-0.5472
18	10	Biased	16.067	15.355	-0.7116
19	10	Biased	16.205	15.544	-0.6612
20	10	Biased	16.062	15.398	-0.6639
21	10	Biased	16.085	15.507	-0.579
22	30	Biased	15.95	14.803	-1.1468
23	30	Biased	16.022	14.907	-1.1149
24	30	Biased	16.324	15.047	-1.2767
25	30	Biased	16.162	14.907	-1.2555
26	30	Biased	15.995	14.883	-1.1123
27	30	Unbiased	16.165	15.782	-0.3826
28	30	Unbiased	16.165	15.758	-0.4065
29	30	Unbiased	16.075	15.66	-0.4146
30	30	Unbiased	16.194	15.785	-0.4092
31	30	Unbiased	16.263	15.812	-0.4516
32	50	Biased	16.088	14.581	-1.5075
33	50	Biased	16.062	14.607	-1.4545
34	50	Biased	16.038	14.504	-1.534
35	50	Biased	16.07	14.602	-1.4677
36	50	Biased	16.178	14.705	-1.473
37	50	Unbiased	16.046	15.565	-0.4809
39	50	Unbiased	16.125	15.605	-0.5207
40	50	Unbiased	16.401	15.875	-0.5259
41	50	Unbiased	16.131	15.562	-0.5684
42	50	Unbiased	16.067	15.538	-0.5286
43	100	Biased	16.343	14.289	-2.054
44	100	Biased	16.064	14.034	-2.0301
45	100	Biased	16.099	14.127	-1.9718
46	100	Biased	16.409	14.339	-2.0699
47	100	Biased	16.202	14.18	-2.0222
48	100	Unbiased	16.054	15.371	-0.6824
49	100	Unbiased	16.075	15.422	-0.6533
50	100	Unbiased	16.266	15.507	-0.7593
51	100	Unbiased	16.07	15.395	-0.6744
52	100	Unbiased	16.292	15.541	-0.7514
53	0	Correlation	16.146	16.05	-0.0962
54	0	Correlation	15.942	15.912	-0.0298
55	0	Correlation	15.934	15.891	-0.0431
56	0	Correlation	16.176	16.077	-0.0988

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	15.934	16.05	16.176	0.12925	15.891	15.983	16.077	0.094442	-0.0988	-0.066975	-0.0298	0.035679
3	15.865	15.995	16.133	0.078439	15.668	15.847	16.018	0.12288	-0.2368	-0.1479	-0.0272	0.074203
10	16.017	16.132	16.298	0.08528	15.355	15.717	16.125	0.27402	-0.7116	-0.41556	-0.1731	0.23374
30	15.95	16.132	16.324	0.11938	14.803	15.335	15.812	0.45351	-1.2767	-0.79707	-0.3826	0.4087
50	16.038	16.12	16.401	0.10783	14.504	15.114	15.875	0.55253	-1.534	-1.0061	-0.4809	0.50814
100	16.054	16.187	16.409	0.13258	14.034	14.82	15.541	0.66738	-2.0699	-1.3669	-0.6533	0.69975

Device Test: 18.3; RESET_RPMOS_LOW_V





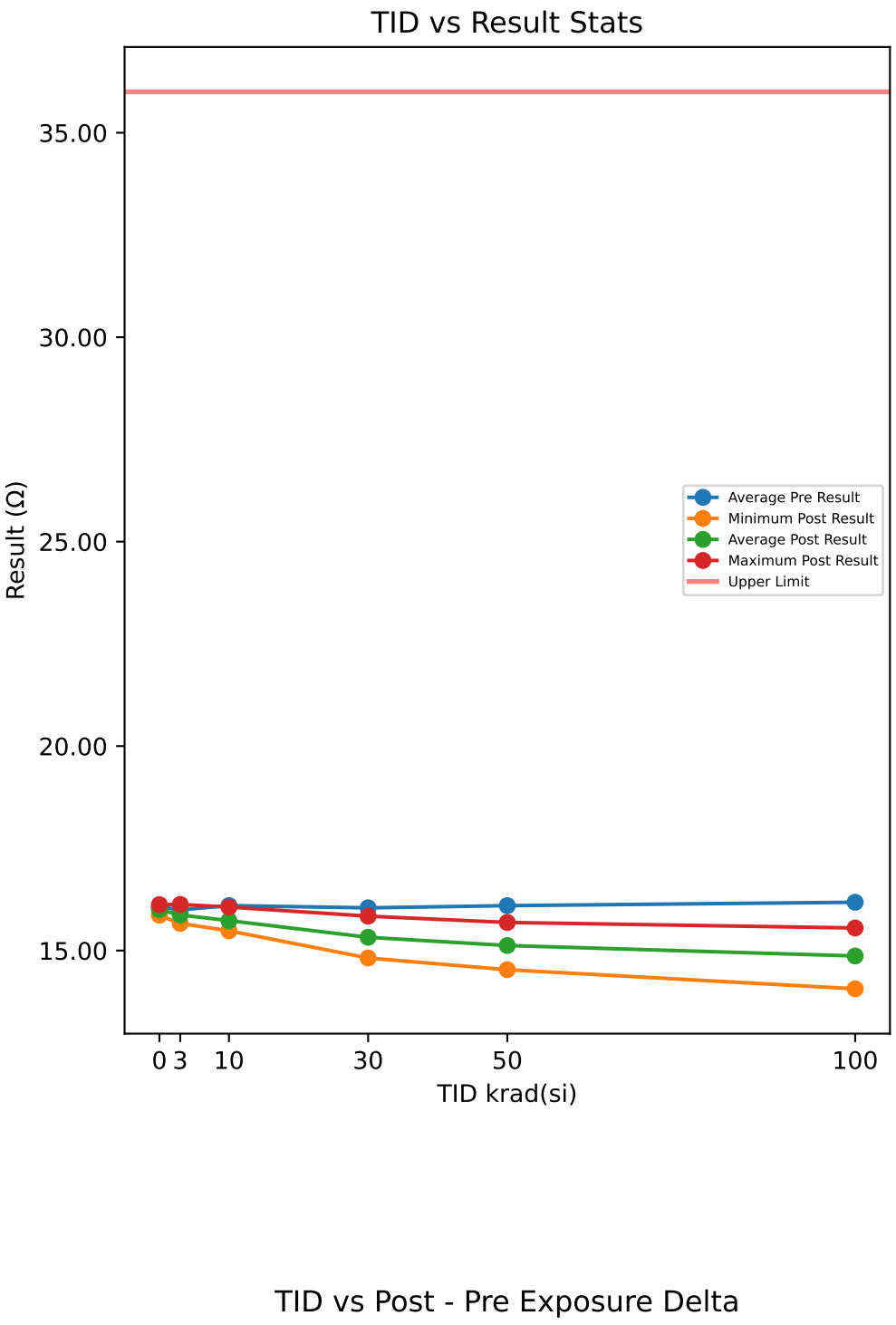
Test Results (Upper Limit = 40.0 (Ω))

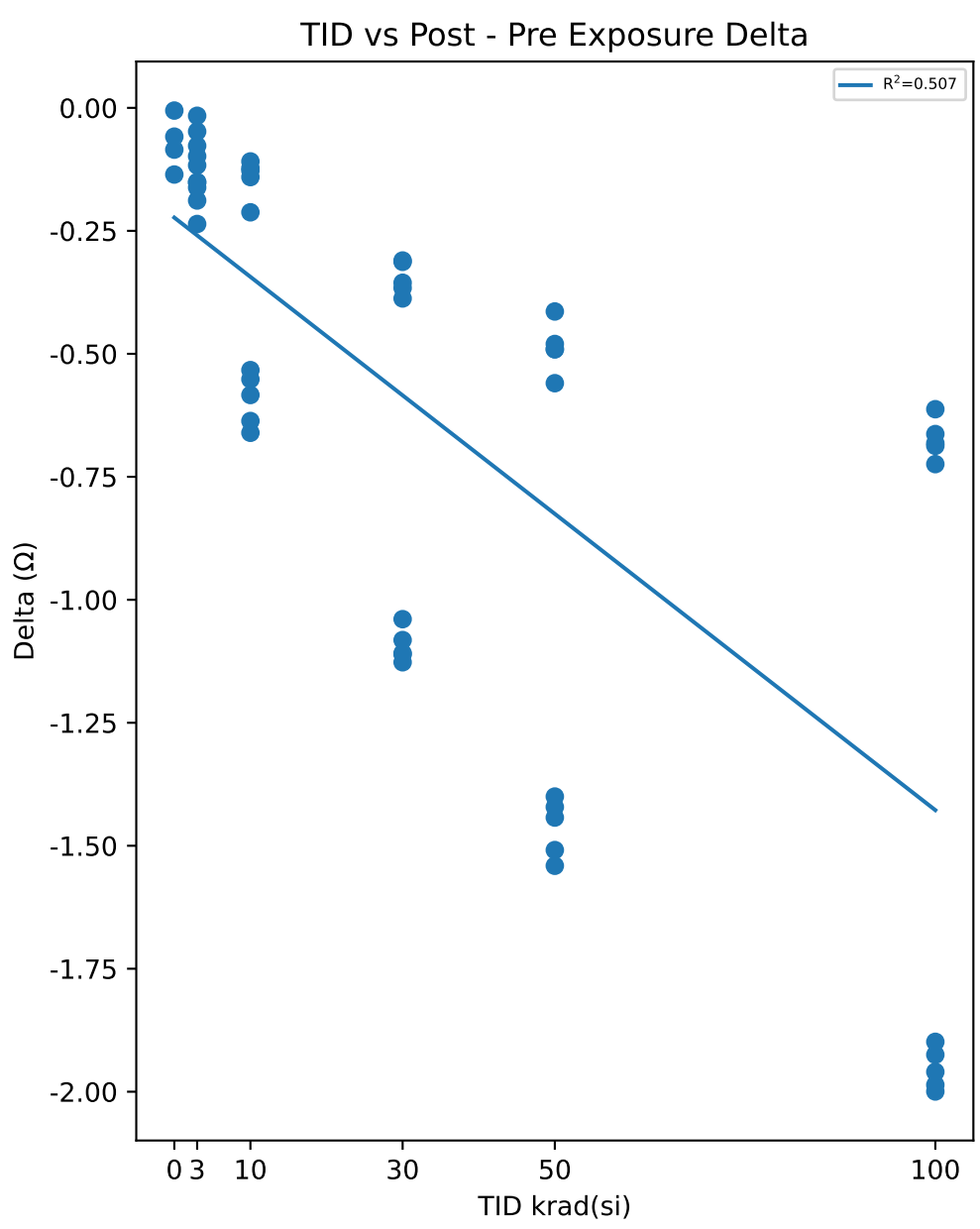
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	18.766	18.79	0.0244
3	3	Biased	18.704	18.756	0.0517
4	3	Biased	18.322	18.381	0.0596
5	3	Biased	18.77	18.823	0.0531
6	3	Biased	18.68	18.726	0.0461
7	3	Unbiased	18.779	18.725	-0.0542
8	3	Unbiased	18.661	18.661	-0.0005
9	3	Unbiased	18.684	18.726	0.0415
10	3	Unbiased	18.636	18.639	0.003
11	3	Unbiased	18.822	18.791	-0.031
12	10	Unbiased	18.959	19.07	0.1105
13	10	Unbiased	19.115	19.178	0.0632
14	10	Unbiased	18.932	19.02	0.0878
15	10	Unbiased	18.765	18.818	0.0537
16	10	Unbiased	18.612	18.695	0.0825
17	10	Biased	18.566	18.673	0.1071
18	10	Biased	18.761	18.866	0.1045
19	10	Biased	18.256	18.4	0.1445
20	10	Biased	18.729	18.853	0.1238
21	10	Biased	18.824	18.894	0.0703
22	30	Biased	18.847	19.172	0.3254
23	30	Biased	19.142	19.441	0.2997
24	30	Biased	18.956	19.301	0.345
25	30	Biased	18.653	18.983	0.33
26	30	Biased	18.73	19.081	0.3508
27	30	Unbiased	18.935	19.253	0.3186
28	30	Unbiased	18.911	19.239	0.3278
29	30	Unbiased	18.78	19.069	0.2895
30	30	Unbiased	18.905	19.183	0.2781
31	30	Unbiased	18.813	19.041	0.2282
32	50	Biased	18.75	19.294	0.5434
33	50	Biased	18.757	19.32	0.5624
34	50	Biased	18.957	19.537	0.5795
35	50	Biased	18.963	19.542	0.5792
36	50	Biased	18.97	19.513	0.5424
37	50	Unbiased	18.776	19.267	0.4917
39	50	Unbiased	18.789	19.235	0.4463
40	50	Unbiased	18.693	19.13	0.4378
41	50	Unbiased	18.911	19.504	0.5928
42	50	Unbiased	18.802	19.315	0.5136
43	100	Biased	18.877	19.833	0.9559
44	100	Biased	18.733	19.797	1.0644
45	100	Biased	18.938	20.091	1.1529
46	100	Biased	18.834	19.781	0.9467
47	100	Biased	18.897	19.889	0.9923
48	100	Unbiased	18.936	19.854	0.9188
49	100	Unbiased	18.693	19.749	1.0554
50	100	Unbiased	18.819	19.773	0.9542
51	100	Unbiased	18.774	19.773	0.999
52	100	Unbiased	18.92	20.023	1.1034
53	0	Correlation	18.758	18.679	-0.0792
54	0	Correlation	18.959	18.851	-0.1081
55	0	Correlation	18.591	18.544	-0.0477
56	0	Correlation	18.726	18.638	-0.0879

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	18.591	18.759	18.959	0.15183	18.544	18.678	18.851	0.12845	-0.1081	-0.080725	-0.0477	0.025125
3	18.322	18.682	18.822	0.13999	18.381	18.702	18.823	0.12616	-0.0542	0.01937	0.0596	0.038935
10	18.256	18.752	19.115	0.2389	18.4	18.847	19.178	0.22256	0.0537	0.09479	0.1445	0.028463
30	18.653	18.867	19.142	0.1361	18.983	19.176	19.441	0.13814	0.2282	0.30931	0.3508	0.036739
50	18.693	18.837	18.97	0.10303	19.13	19.366	19.542	0.14637	0.4378	0.52891	0.5928	0.055205
100	18.693	18.842	18.938	0.08662	19.749	19.856	20.091	0.11514	0.9188	1.0143	1.1529	0.076579

Device Test: 18.30; WDO_RNMOS





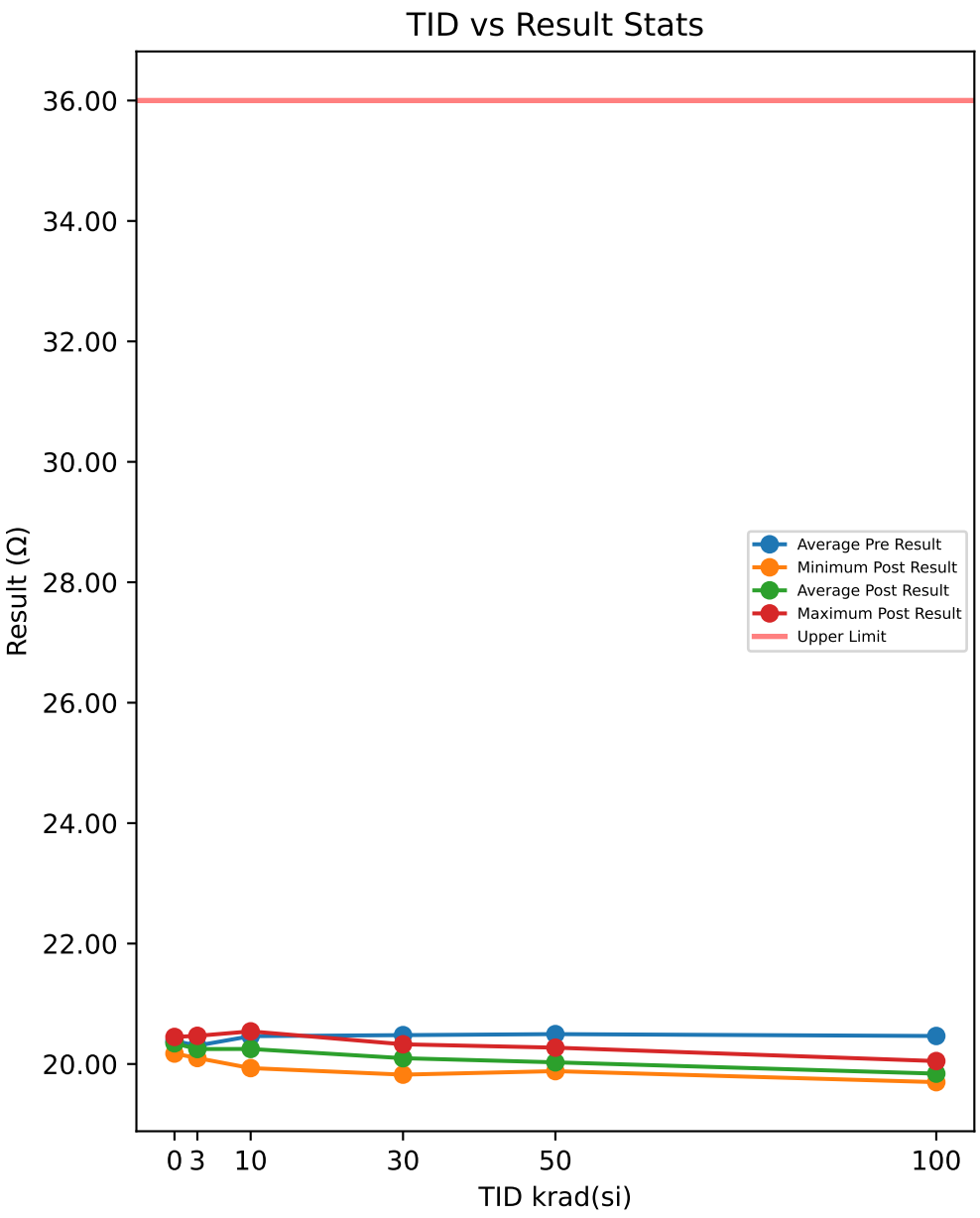
Test Results (Upper Limit = 36.0 (Ω))

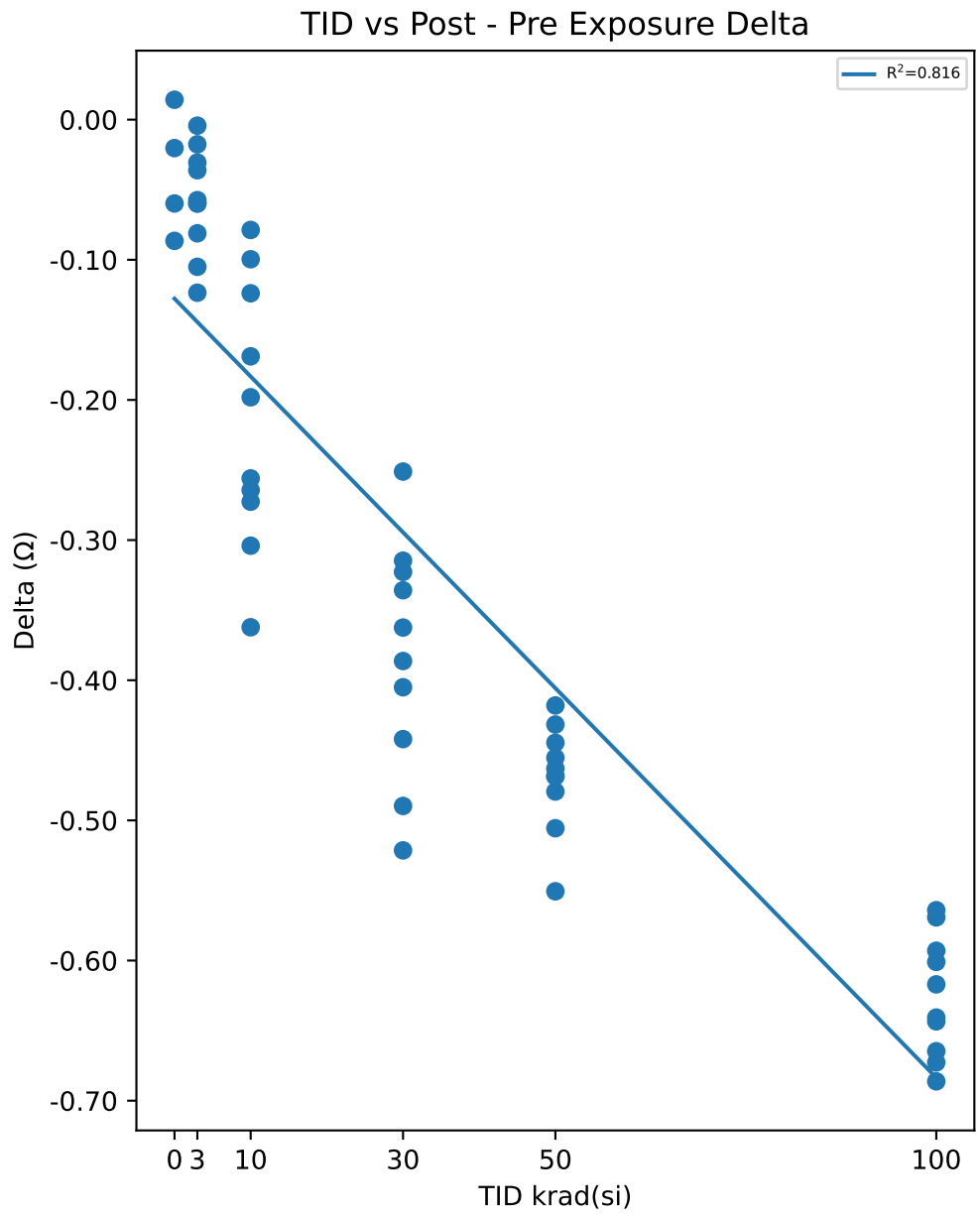
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	15.849	15.698	-0.1511
3	3	Biased	16.035	15.799	-0.2361
4	3	Biased	15.852	15.664	-0.1883
5	3	Biased	16.009	15.847	-0.1619
6	3	Biased	15.963	15.812	-0.1512
7	3	Unbiased	16.032	16.016	-0.0161
8	3	Unbiased	15.977	15.878	-0.0983
9	3	Unbiased	16.176	16.128	-0.048
10	3	Unbiased	16.056	15.979	-0.0771
11	3	Unbiased	15.993	15.876	-0.1168
12	10	Unbiased	16.154	15.942	-0.2123
13	10	Unbiased	16.064	15.955	-0.1089
14	10	Unbiased	15.942	15.815	-0.1274
15	10	Unbiased	15.987	15.847	-0.1407
16	10	Unbiased	16.186	16.064	-0.1223
17	10	Biased	16.279	15.695	-0.5837
18	10	Biased	16.146	15.486	-0.6605
19	10	Biased	16.064	15.531	-0.5331
20	10	Biased	16.12	15.483	-0.6366
21	10	Biased	16.056	15.505	-0.5517
22	30	Biased	15.929	14.818	-1.111
23	30	Biased	15.95	14.911	-1.0394
24	30	Biased	16.067	14.958	-1.1085
25	30	Biased	16.006	14.879	-1.127
26	30	Biased	16.075	14.993	-1.0819
27	30	Unbiased	16.099	15.733	-0.3661
28	30	Unbiased	16.139	15.783	-0.3555
29	30	Unbiased	16.017	15.704	-0.313
30	30	Unbiased	15.94	15.629	-0.3103
31	30	Unbiased	16.229	15.841	-0.3874
32	50	Biased	16.117	14.608	-1.5088
33	50	Biased	16.017	14.595	-1.4213
34	50	Biased	15.932	14.532	-1.4
35	50	Biased	16.215	14.675	-1.5407
36	50	Biased	16.234	14.791	-1.4427
37	50	Unbiased	15.974	15.494	-0.48
39	50	Unbiased	15.995	15.505	-0.4906
40	50	Unbiased	16.091	15.677	-0.4139
41	50	Unbiased	16.229	15.669	-0.5597
42	50	Unbiased	16.178	15.688	-0.4908
43	100	Biased	16.335	14.335	-1.9995
44	100	Biased	15.99	14.065	-1.9249
45	100	Biased	16.107	14.208	-1.8986
46	100	Biased	16.311	14.351	-1.9597
47	100	Biased	16.285	14.298	-1.9862
48	100	Unbiased	15.995	15.383	-0.6126
49	100	Unbiased	16.141	15.454	-0.687
50	100	Unbiased	16.152	15.489	-0.6631
51	100	Unbiased	16.276	15.552	-0.7242
52	100	Unbiased	16.221	15.539	-0.6817
53	0	Correlation	16.056	16.051	-0.0055
54	0	Correlation	15.95	15.865	-0.0849
55	0	Correlation	16.024	15.966	-0.0585
56	0	Correlation	16.258	16.122	-0.1355

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	15.95	16.072	16.258	0.13157	15.865	16.001	16.122	0.11089	-0.1355	-0.0711	-0.0055	0.05416
3	15.849	15.994	16.176	0.095801	15.664	15.87	16.128	0.14176	-0.2361	-0.12449	-0.0161	0.066616
10	15.942	16.1	16.279	0.098408	15.483	15.732	16.064	0.22109	-0.6605	-0.36772	-0.1089	0.24187
30	15.929	16.045	16.229	0.095856	14.818	15.325	15.841	0.44105	-1.127	-0.72001	-0.3103	0.39506
50	15.932	16.098	16.234	0.1138	14.532	15.123	15.688	0.51755	-1.5407	-0.97485	-0.4139	0.51693
100	15.99	16.181	16.335	0.12517	14.065	14.868	15.552	0.65556	-1.9995	-1.3138	-0.6126	0.67578

Device Test: 18.31; RESET_RNMOS





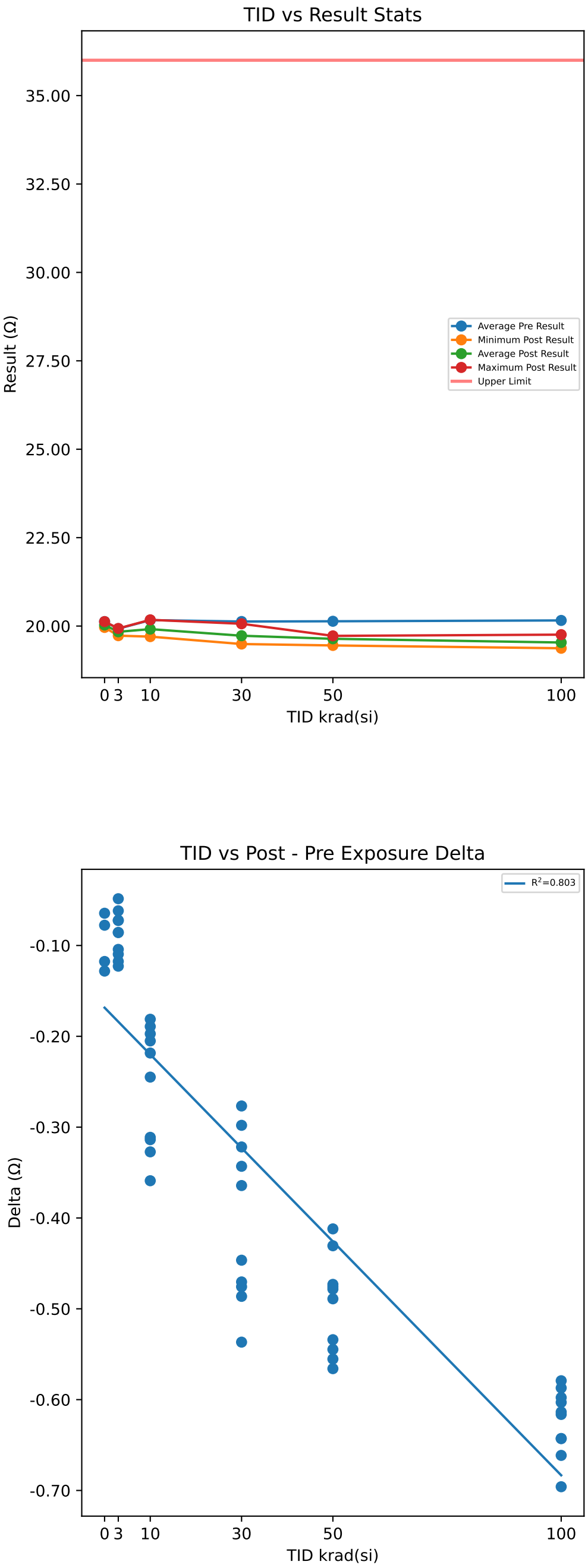
Test Results (Upper Limit = 36.0 (Ω))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	20.289	20.208	-0.0811
3	3	Biased	20.284	20.179	-0.105
4	3	Biased	20.18	20.12	-0.0597
5	3	Biased	20.485	20.468	-0.0176
6	3	Biased	20.223	20.099	-0.1235
7	3	Unbiased	20.236	20.176	-0.0599
8	3	Unbiased	20.366	20.362	-0.0043
9	3	Unbiased	20.348	20.311	-0.0361
10	3	Unbiased	20.18	20.15	-0.0306
11	3	Unbiased	20.47	20.412	-0.0574
12	10	Unbiased	20.626	20.502	-0.1239
13	10	Unbiased	20.512	20.343	-0.1689
14	10	Unbiased	20.504	20.425	-0.0787
15	10	Unbiased	20.597	20.399	-0.1981
16	10	Unbiased	20.241	20.142	-0.0996
17	10	Biased	20.188	19.932	-0.256
18	10	Biased	20.321	19.959	-0.3622
19	10	Biased	20.815	20.542	-0.2726
20	10	Biased	20.393	20.089	-0.304
21	10	Biased	20.43	20.166	-0.2643
22	30	Biased	20.488	20.102	-0.3863
23	30	Biased	20.549	20.107	-0.442
24	30	Biased	20.56	20.155	-0.405
25	30	Biased	20.345	19.823	-0.5214
26	30	Biased	20.39	19.9	-0.4897
27	30	Unbiased	20.504	20.181	-0.3227
28	30	Unbiased	20.578	20.327	-0.2511
29	30	Unbiased	20.491	20.128	-0.3624
30	30	Unbiased	20.385	20.049	-0.3358
31	30	Unbiased	20.507	20.192	-0.3147
32	50	Biased	20.459	19.953	-0.5056
33	50	Biased	20.345	19.882	-0.463
34	50	Biased	20.454	19.985	-0.4685
35	50	Biased	20.472	19.922	-0.5506
36	50	Biased	20.706	20.227	-0.4794
37	50	Unbiased	20.427	19.983	-0.4446
39	50	Unbiased	20.483	20.028	-0.4553
40	50	Unbiased	20.318	19.9	-0.418
41	50	Unbiased	20.703	20.272	-0.4316
42	50	Unbiased	20.597	20.128	-0.4686
43	100	Biased	20.308	19.707	-0.601
44	100	Biased	20.34	19.699	-0.6407
45	100	Biased	20.677	19.991	-0.6862
46	100	Biased	20.409	19.765	-0.6434
47	100	Biased	20.467	19.898	-0.5692
48	100	Unbiased	20.464	19.8	-0.6647
49	100	Unbiased	20.494	19.821	-0.6727
50	100	Unbiased	20.496	19.879	-0.617
51	100	Unbiased	20.387	19.794	-0.593
52	100	Unbiased	20.613	20.049	-0.5641
53	0	Correlation	20.411	20.325	-0.0865
54	0	Correlation	20.435	20.449	0.0142
55	0	Correlation	20.233	20.174	-0.0598
56	0	Correlation	20.448	20.428	-0.0203

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	20.233	20.382	20.448	0.10032	20.174	20.344	20.449	0.12597	-0.0865	-0.0381	0.0142	0.044218
3	20.18	20.306	20.485	0.10984	20.099	20.249	20.468	0.12992	-0.1235	-0.05752	-0.0043	0.037688
10	20.188	20.463	20.815	0.18953	19.932	20.25	20.542	0.22145	-0.3622	-0.21283	-0.0787	0.094031
30	20.345	20.48	20.578	0.080151	19.823	20.097	20.327	0.14512	-0.5214	-0.38311	-0.2511	0.083577
50	20.318	20.496	20.706	0.13345	19.882	20.028	20.272	0.13634	-0.5506	-0.46852	-0.418	0.037893
100	20.308	20.465	20.677	0.1146	19.699	19.84	20.049	0.11475	-0.6862	-0.6252	-0.5641	0.043035

Device Test: 18.32; RESET_RNMOS



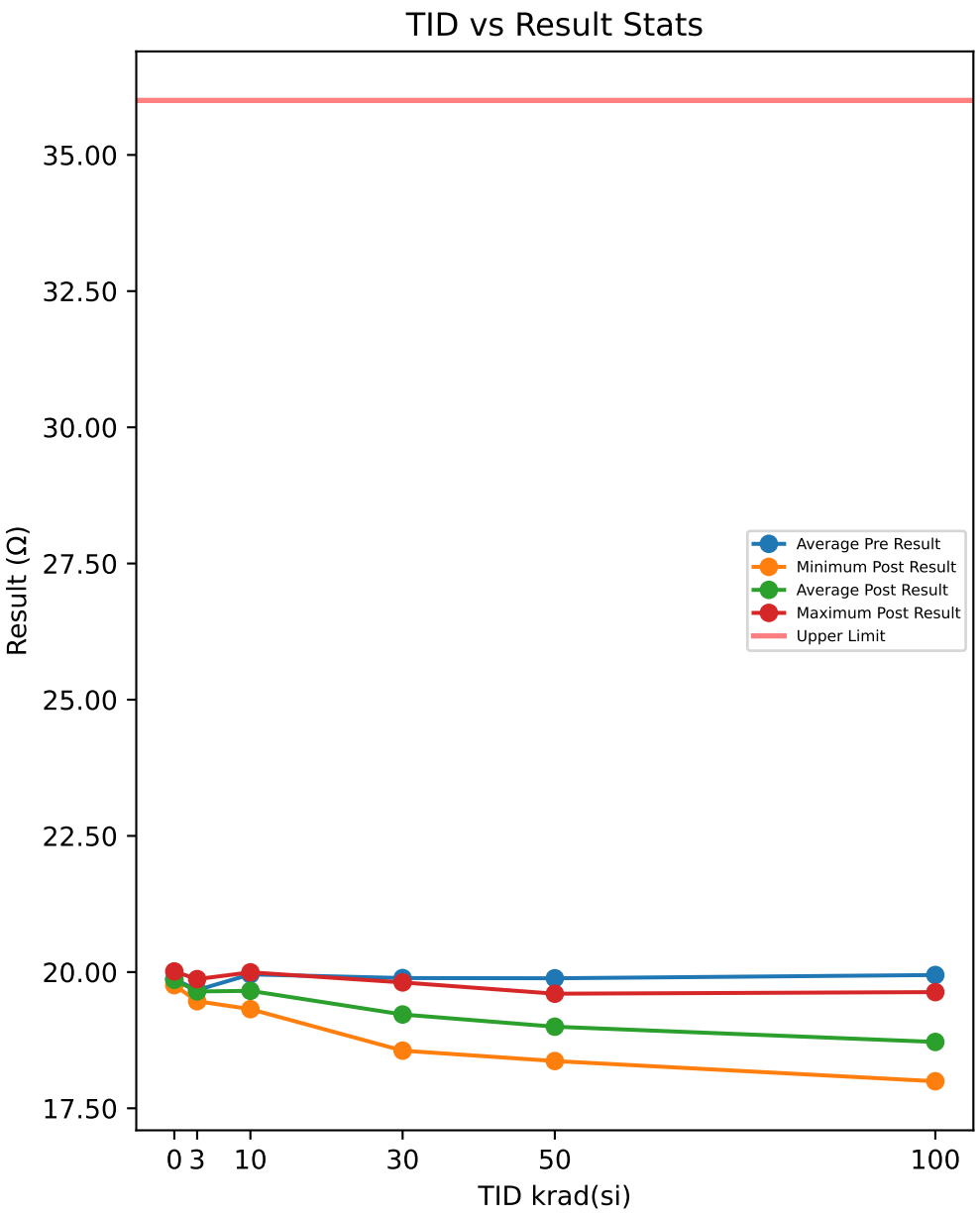
Test Results (Upper Limit = 36.0 (Ω))

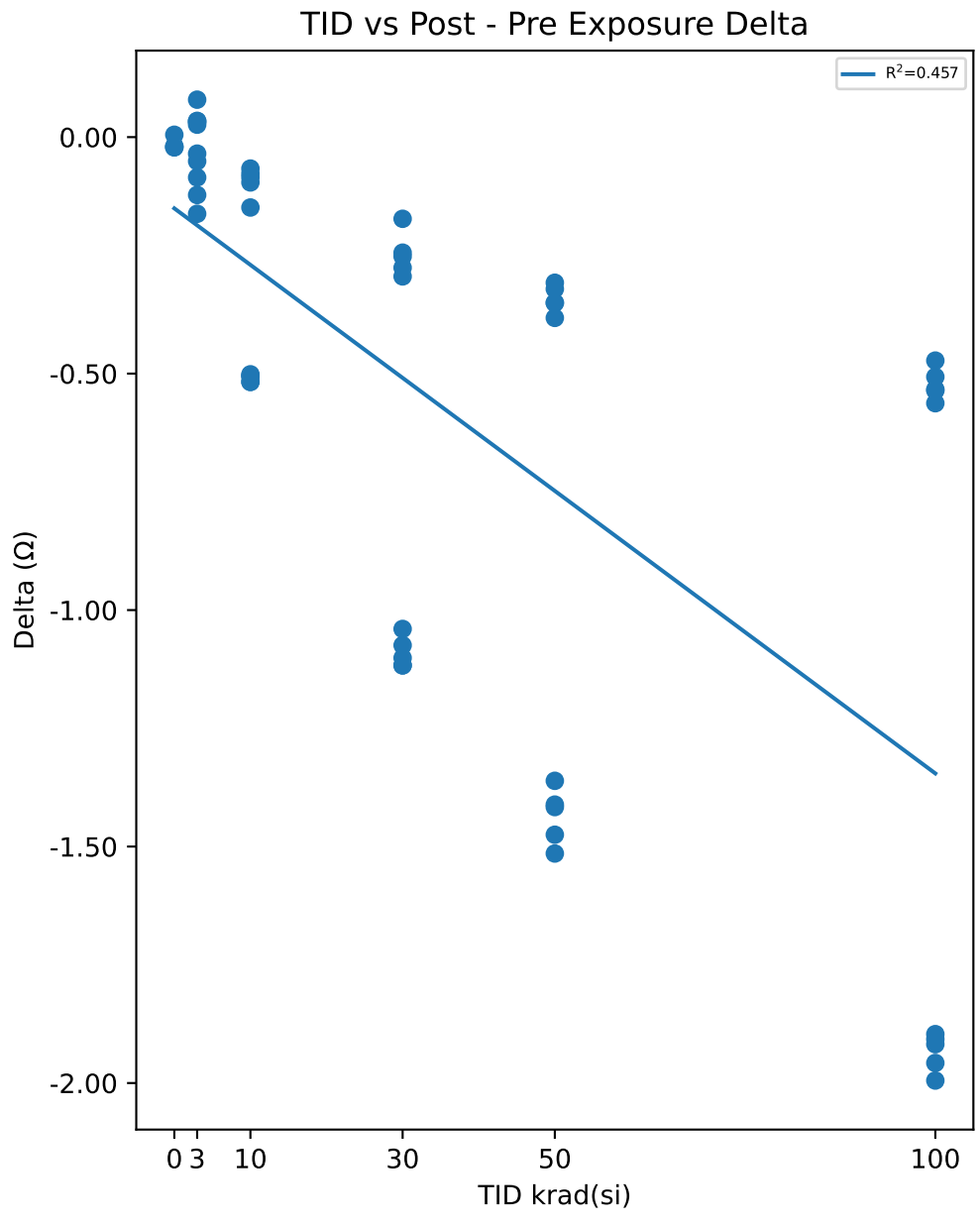
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	19.776	19.728	-0.0485
3	3	Biased	20.007	19.898	-0.1096
4	3	Biased	19.909	19.805	-0.1043
5	3	Biased	19.967	19.882	-0.0857
6	3	Biased	19.935	19.813	-0.1228
7	3	Unbiased	19.89	19.828	-0.0618
8	3	Unbiased	19.845	19.773	-0.0724
9	3	Unbiased	19.991	19.874	-0.1175
10	3	Unbiased	19.93	19.844	-0.0857
11	3	Unbiased	20.004	19.932	-0.0724
12	10	Unbiased	20.153	19.948	-0.2051
13	10	Unbiased	20.195	20.014	-0.1812
14	10	Unbiased	20.169	19.951	-0.2184
15	10	Unbiased	20.028	19.831	-0.1972
16	10	Unbiased	20.214	20.025	-0.1892
17	10	Biased	20.065	19.82	-0.2449
18	10	Biased	20.198	19.871	-0.3272
19	10	Biased	20.535	20.176	-0.359
20	10	Biased	20.015	19.701	-0.3138
21	10	Biased	20.105	19.794	-0.3112
22	30	Biased	20.19	19.744	-0.4465
23	30	Biased	20.251	19.714	-0.5367
24	30	Biased	20.124	19.653	-0.4704
25	30	Biased	19.967	19.492	-0.4757
26	30	Biased	20.068	19.582	-0.4863
27	30	Unbiased	20.124	19.802	-0.3218
28	30	Unbiased	20.119	19.842	-0.2767
29	30	Unbiased	20.01	19.645	-0.3643
30	30	Unbiased	20.023	19.725	-0.298
31	30	Unbiased	20.408	20.065	-0.3431
32	50	Biased	20.169	19.624	-0.5447
33	50	Biased	19.93	19.452	-0.4783
34	50	Biased	20.068	19.595	-0.4731
35	50	Biased	20.209	19.653	-0.5553
36	50	Biased	20.288	19.722	-0.5659
37	50	Unbiased	20.076	19.6	-0.4757
39	50	Unbiased	20.209	19.72	-0.489
40	50	Unbiased	20.153	19.722	-0.4306
41	50	Unbiased	20.079	19.667	-0.412
42	50	Unbiased	20.172	19.637	-0.534
43	100	Biased	20.32	19.624	-0.6959
44	100	Biased	20.018	19.439	-0.5792
45	100	Biased	20.206	19.545	-0.6614
46	100	Biased	20.164	19.521	-0.6429
47	100	Biased	20.28	19.677	-0.603
48	100	Unbiased	20.026	19.383	-0.6428
49	100	Unbiased	19.97	19.372	-0.5977
50	100	Unbiased	20.065	19.478	-0.5871
51	100	Unbiased	20.37	19.757	-0.6136
52	100	Unbiased	20.169	19.553	-0.6163
53	0	Correlation	20.058	19.993	-0.0645
54	0	Correlation	20.116	20.038	-0.0777
55	0	Correlation	20.089	19.961	-0.1282
56	0	Correlation	20.243	20.126	-0.1176

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	20.058	20.126	20.243	0.081401	19.961	20.029	20.126	0.071461	-0.1282	-0.097	-0.0645	0.030695
3	19.776	19.926	20.007	0.074017	19.728	19.838	19.932	0.061329	-0.1228	-0.08807	-0.0485	0.02485
10	20.015	20.168	20.535	0.1476	19.701	19.913	20.176	0.13768	-0.359	-0.25472	-0.1812	0.06641
30	19.967	20.128	20.408	0.12987	19.492	19.726	20.065	0.15698	-0.5367	-0.40195	-0.2767	0.091396
50	19.93	20.135	20.288	0.10016	19.452	19.639	19.722	0.081715	-0.5659	-0.49586	-0.412	0.052546
100	19.97	20.159	20.37	0.13744	19.372	19.535	19.757	0.12483	-0.6959	-0.62399	-0.5792	0.036435

Device Test: 18.33; RESET_RNMOS





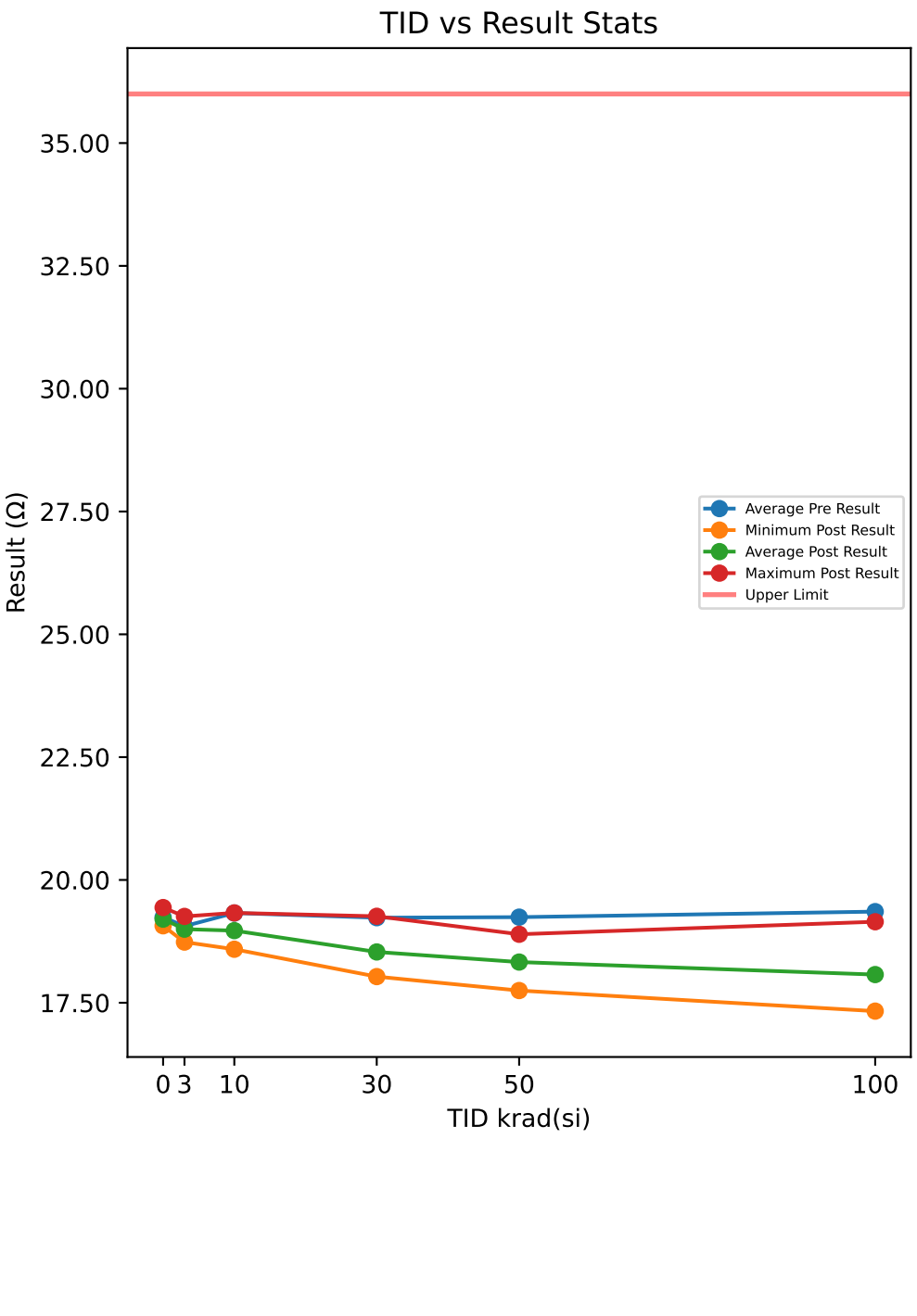
Test Results (Upper Limit = 36.0 (Ω))

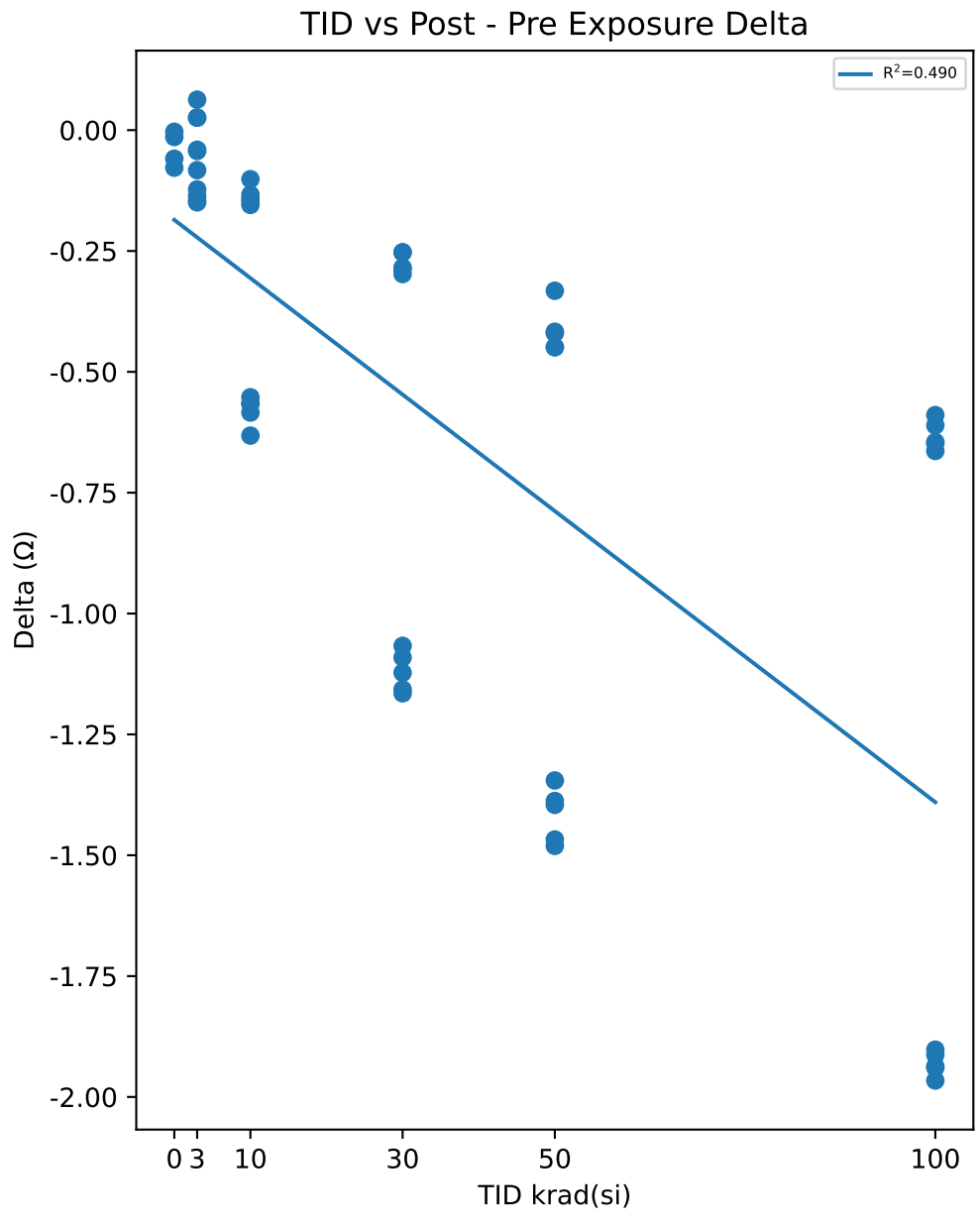
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	19.551	19.465	-0.0853
3	3	Biased	19.826	19.664	-0.1621
4	3	Biased	19.519	19.468	-0.0509
5	3	Biased	19.808	19.686	-0.1223
6	3	Biased	19.553	19.518	-0.0349
7	3	Unbiased	19.553	19.587	0.0341
8	3	Unbiased	19.643	19.723	0.0792
9	3	Unbiased	19.845	19.871	0.0263
10	3	Unbiased	19.625	19.659	0.0341
11	3	Unbiased	19.779	19.81	0.0315
12	10	Unbiased	19.975	19.89	-0.085
13	10	Unbiased	20.073	19.996	-0.0771
14	10	Unbiased	19.861	19.712	-0.1488
15	10	Unbiased	19.858	19.762	-0.0958
16	10	Unbiased	19.948	19.882	-0.0665
17	10	Biased	19.906	19.404	-0.5015
18	10	Biased	19.991	19.473	-0.5174
19	10	Biased	20.269	19.762	-0.5067
20	10	Biased	19.837	19.32	-0.5175
21	10	Biased	19.858	19.354	-0.5042
22	30	Biased	19.98	18.94	-1.0399
23	30	Biased	20.036	18.919	-1.1168
24	30	Biased	19.885	18.768	-1.1169
25	30	Biased	19.659	18.558	-1.1011
26	30	Biased	19.866	18.792	-1.0744
27	30	Unbiased	19.853	19.601	-0.2522
28	30	Unbiased	19.885	19.64	-0.2443
29	30	Unbiased	19.739	19.566	-0.1727
30	30	Unbiased	19.895	19.619	-0.2761
31	30	Unbiased	20.105	19.81	-0.2945
32	50	Biased	19.874	18.463	-1.4113
33	50	Biased	19.728	18.367	-1.361
34	50	Biased	19.869	18.394	-1.475
35	50	Biased	20.033	18.518	-1.5147
36	50	Biased	19.98	18.564	-1.4165
37	50	Unbiased	19.792	19.41	-0.3822
39	50	Unbiased	19.882	19.561	-0.3211
40	50	Unbiased	19.954	19.603	-0.3503
41	50	Unbiased	19.879	19.529	-0.3504
42	50	Unbiased	19.874	19.566	-0.3079
43	100	Biased	20.216	18.221	-1.9947
44	100	Biased	19.914	17.996	-1.9179
45	100	Biased	19.948	18.052	-1.8966
46	100	Biased	19.98	18.073	-1.9072
47	100	Biased	20.004	18.046	-1.9576
48	100	Unbiased	19.723	19.25	-0.4725
49	100	Unbiased	19.792	19.229	-0.5626
50	100	Unbiased	19.789	19.282	-0.5069
51	100	Unbiased	20.168	19.633	-0.5358
52	100	Unbiased	19.927	19.394	-0.5333
53	0	Correlation	19.755	19.76	0.005
54	0	Correlation	19.885	19.863	-0.0215
55	0	Correlation	19.813	19.794	-0.0188
56	0	Correlation	20.033	20.012	-0.0214

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	19.755	19.871	20.033	0.12021	19.76	19.857	20.012	0.11162	-0.0215	-0.014175	0.005	0.012844
3	19.519	19.67	19.845	0.13034	19.465	19.645	19.871	0.13729	-0.1621	-0.02503	0.0792	0.079117
10	19.837	19.958	20.269	0.13256	19.32	19.656	19.996	0.24676	-0.5175	-0.30205	-0.0665	0.21973
30	19.659	19.89	20.105	0.1306	18.558	19.221	19.81	0.46474	-1.1169	-0.66889	-0.1727	0.44532
50	19.728	19.887	20.033	0.087846	18.367	18.998	19.603	0.57013	-1.5147	-0.88904	-0.3079	0.57793
100	19.723	19.946	20.216	0.15858	17.996	18.718	19.633	0.68602	-1.9947	-1.2285	-0.4725	0.74533

Device Test: 18.34; RESET_RNMOS





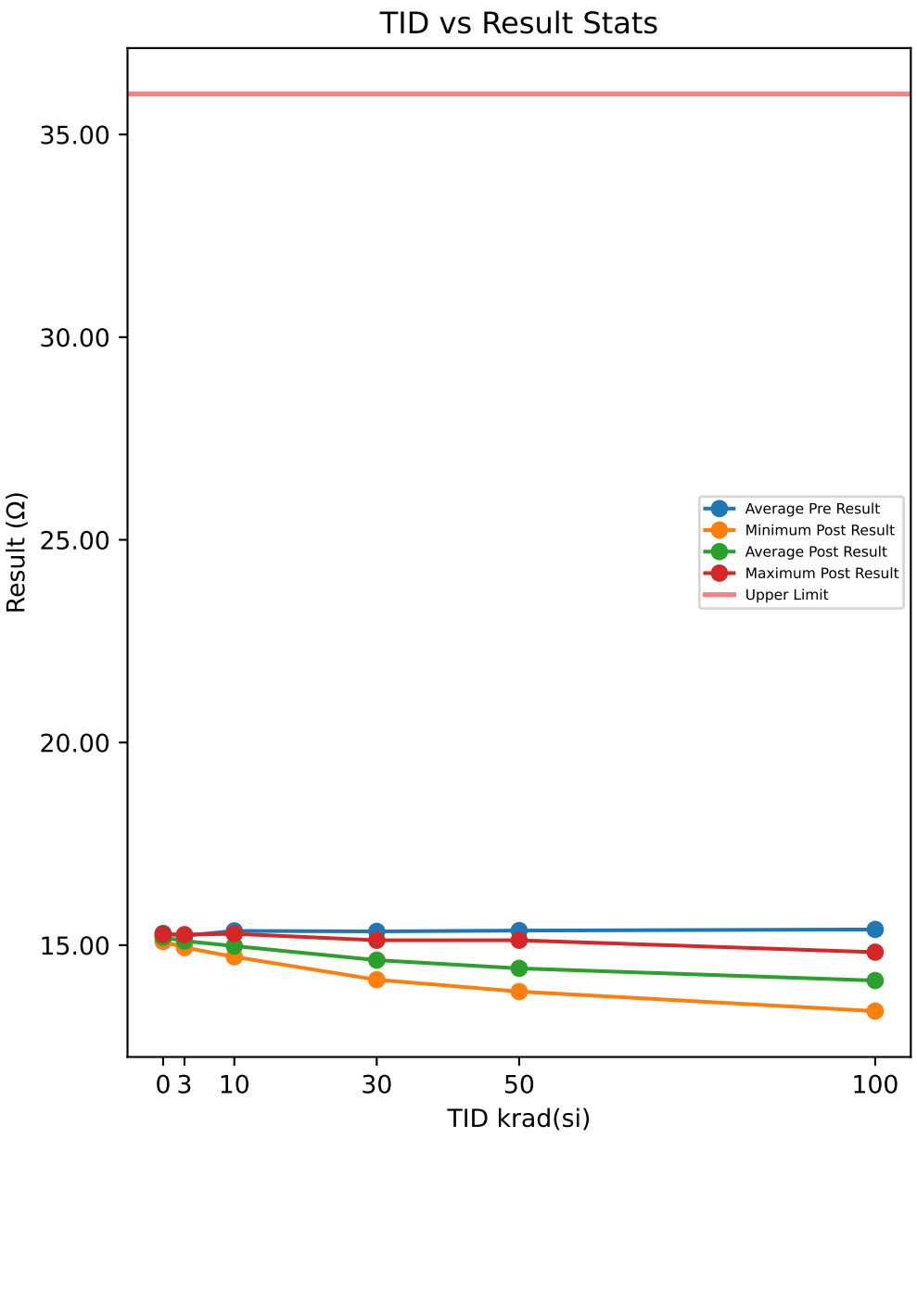
Test Results (Upper Limit = 36.0 (Ω))

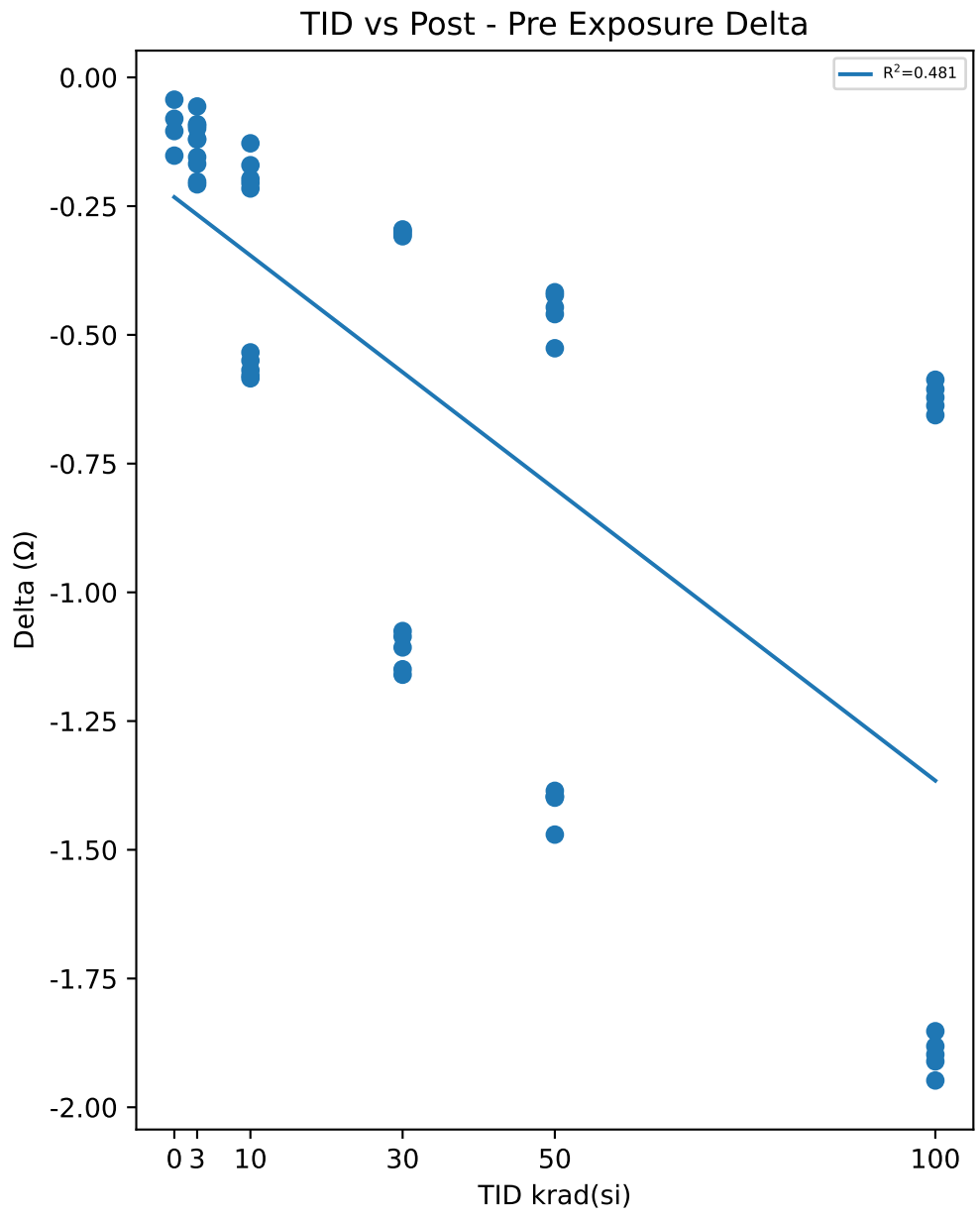
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	18.937	18.815	-0.1226
3	3	Biased	19.274	19.125	-0.1494
4	3	Biased	18.868	18.785	-0.0828
5	3	Biased	19.248	19.112	-0.136
6	3	Biased	18.881	18.735	-0.1464
7	3	Unbiased	18.874	18.899	0.0259
8	3	Unbiased	18.993	19.056	0.063
9	3	Unbiased	19.237	19.197	-0.0406
10	3	Unbiased	19.043	19	-0.0431
11	3	Unbiased	19.232	19.258	0.0257
12	10	Unbiased	19.33	19.175	-0.1547
13	10	Unbiased	19.362	19.215	-0.1467
14	10	Unbiased	19.227	19.085	-0.1414
15	10	Unbiased	19.136	19.035	-0.1015
16	10	Unbiased	19.463	19.329	-0.1335
17	10	Biased	19.349	18.783	-0.5657
18	10	Biased	19.375	18.791	-0.5843
19	10	Biased	19.564	19.011	-0.5526
20	10	Biased	19.221	18.589	-0.6319
21	10	Biased	19.237	18.672	-0.5656
22	30	Biased	19.301	18.136	-1.165
23	30	Biased	19.33	18.239	-1.0908
24	30	Biased	19.224	18.067	-1.157
25	30	Biased	19.155	18.032	-1.1224
26	30	Biased	19.181	18.115	-1.0668
27	30	Unbiased	19.213	18.926	-0.2872
28	30	Unbiased	19.25	18.998	-0.2528
29	30	Unbiased	19.027	18.743	-0.2844
30	30	Unbiased	19.123	18.825	-0.2977
31	30	Unbiased	19.513	19.26	-0.2529
32	50	Biased	19.237	17.892	-1.3453
33	50	Biased	19.171	17.775	-1.3957
34	50	Biased	19.136	17.749	-1.3877
35	50	Biased	19.399	17.932	-1.4674
36	50	Biased	19.391	17.91	-1.4806
37	50	Unbiased	19.126	18.677	-0.4489
39	50	Unbiased	19.343	18.894	-0.449
40	50	Unbiased	19.16	18.828	-0.3323
41	50	Unbiased	19.256	18.836	-0.4198
42	50	Unbiased	19.208	18.791	-0.4171
43	100	Biased	19.555	17.59	-1.966
44	100	Biased	19.232	17.33	-1.9022
45	100	Biased	19.327	17.391	-1.9367
46	100	Biased	19.301	17.388	-1.9128
47	100	Biased	19.497	17.558	-1.9394
48	100	Unbiased	19.149	18.486	-0.6637
49	100	Unbiased	19.269	18.624	-0.6452
50	100	Unbiased	19.152	18.563	-0.5895
51	100	Unbiased	19.797	19.149	-0.6482
52	100	Unbiased	19.272	18.661	-0.6108
53	0	Correlation	19.12	19.117	-0.0034
54	0	Correlation	19.266	19.189	-0.0777
55	0	Correlation	19.126	19.067	-0.0591
56	0	Correlation	19.452	19.438	-0.0142

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	19.12	19.241	19.452	0.15599	19.067	19.203	19.438	0.16466	-0.0777	-0.0386	-0.0034	0.035513
3	18.868	19.059	19.274	0.17166	18.735	18.998	19.258	0.18157	-0.1494	-0.06063	0.063	0.079009
10	19.136	19.326	19.564	0.12651	18.589	18.968	19.329	0.24754	-0.6319	-0.35779	-0.1015	0.23557
30	19.027	19.232	19.513	0.1318	18.032	18.534	19.26	0.46137	-1.165	-0.6977	-0.2528	0.44666
50	19.126	19.243	19.399	0.1027	17.749	18.328	18.894	0.50854	-1.4806	-0.91438	-0.3323	0.53039
100	19.149	19.355	19.797	0.20341	17.33	18.074	19.149	0.68339	-1.966	-1.2814	-0.5895	0.68563

Device Test: 18.35; PWRGD_RNMOS





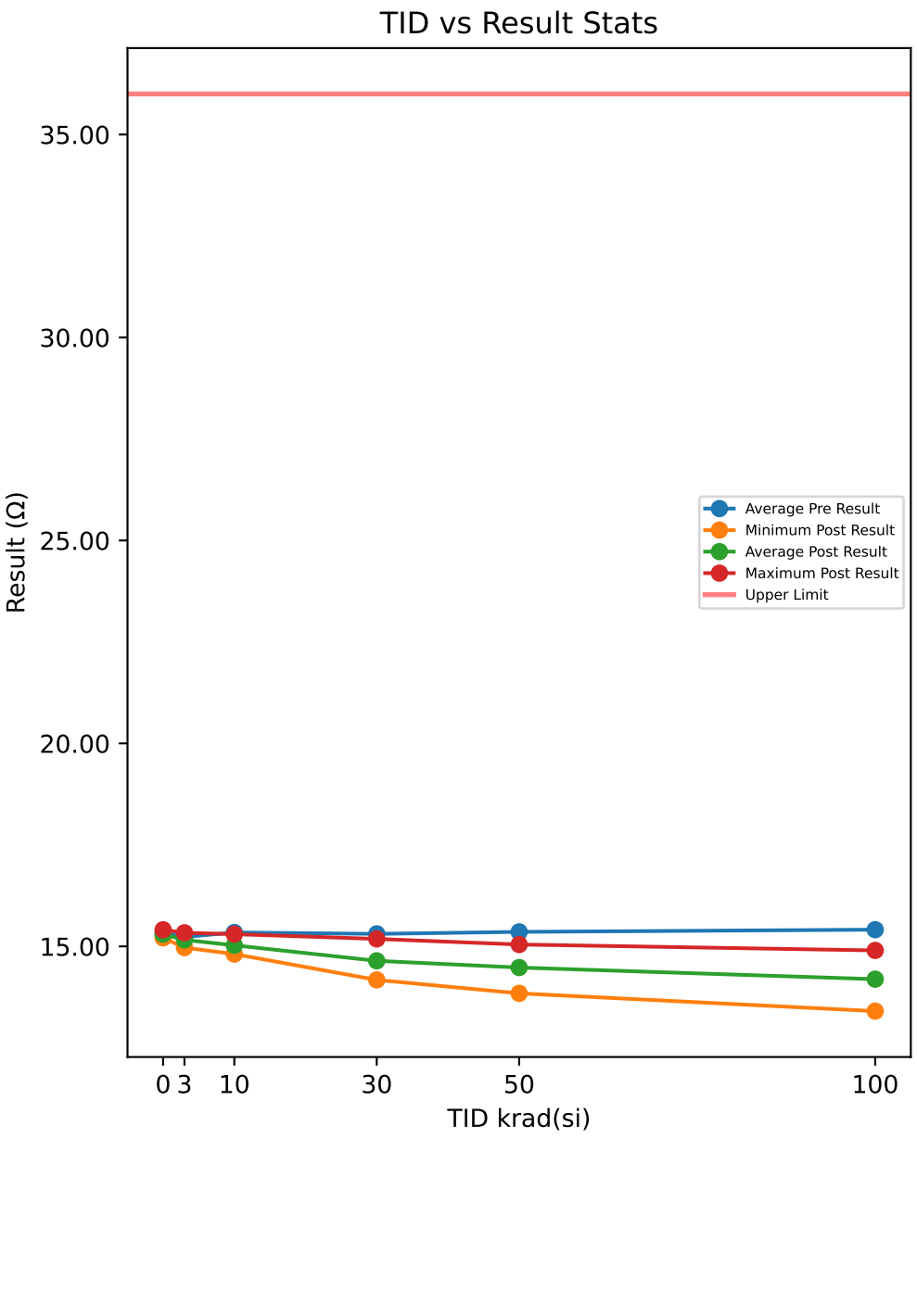
Test Results (Upper Limit = 36.0 (Ω))

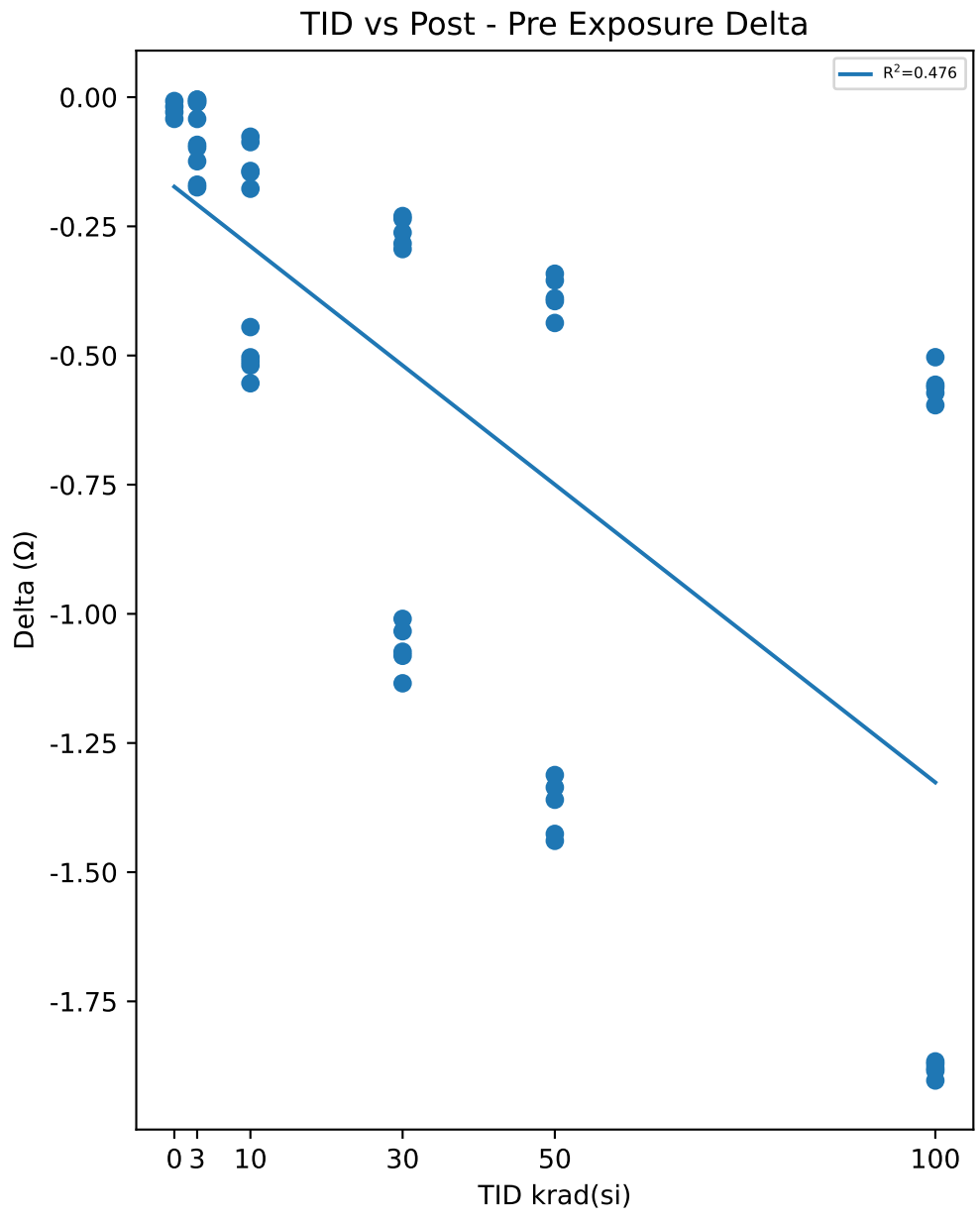
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	15.168	14.96	-0.2077
3	3	Biased	15.292	15.09	-0.2023
4	3	Biased	15.062	14.941	-0.1202
5	3	Biased	15.218	15.063	-0.1547
6	3	Biased	15.176	15.008	-0.1679
7	3	Unbiased	15.282	15.191	-0.0909
8	3	Unbiased	15.213	15.114	-0.099
9	3	Unbiased	15.316	15.26	-0.0564
10	3	Unbiased	15.351	15.231	-0.1201
11	3	Unbiased	15.263	15.17	-0.0936
12	10	Unbiased	15.444	15.239	-0.205
13	10	Unbiased	15.409	15.281	-0.128
14	10	Unbiased	15.295	15.098	-0.1971
15	10	Unbiased	15.359	15.188	-0.1705
16	10	Unbiased	15.38	15.164	-0.2157
17	10	Biased	15.322	14.772	-0.5499
18	10	Biased	15.298	14.713	-0.5844
19	10	Biased	15.436	14.867	-0.5685
20	10	Biased	15.295	14.716	-0.5791
21	10	Biased	15.287	14.753	-0.534
22	30	Biased	15.298	14.148	-1.1494
23	30	Biased	15.276	14.191	-1.0858
24	30	Biased	15.428	14.321	-1.107
25	30	Biased	15.409	14.249	-1.16
26	30	Biased	15.234	14.159	-1.0752
27	30	Unbiased	15.353	15.047	-0.3058
28	30	Unbiased	15.417	15.122	-0.2952
29	30	Unbiased	15.258	14.96	-0.2978
30	30	Unbiased	15.327	15.018	-0.3085
31	30	Unbiased	15.401	15.101	-0.3005
32	50	Biased	15.337	13.941	-1.3962
33	50	Biased	15.353	13.957	-1.3961
34	50	Biased	15.258	13.872	-1.3855
35	50	Biased	15.327	13.856	-1.4705
36	50	Biased	15.393	13.994	-1.3988
37	50	Unbiased	15.274	14.827	-0.4465
39	50	Unbiased	15.444	14.918	-0.526
40	50	Unbiased	15.539	15.122	-0.4172
41	50	Unbiased	15.345	14.886	-0.4597
42	50	Unbiased	15.335	14.912	-0.4226
43	100	Biased	15.523	13.642	-1.8816
44	100	Biased	15.284	13.373	-1.9109
45	100	Biased	15.335	13.437	-1.8976
46	100	Biased	15.505	13.652	-1.8524
47	100	Biased	15.465	13.517	-1.948
48	100	Unbiased	15.284	14.679	-0.6056
49	100	Unbiased	15.308	14.671	-0.6374
50	100	Unbiased	15.409	14.787	-0.6215
51	100	Unbiased	15.284	14.697	-0.5871
52	100	Unbiased	15.483	14.827	-0.656
53	0	Correlation	15.367	15.262	-0.1042
54	0	Correlation	15.242	15.09	-0.1519
55	0	Correlation	15.202	15.159	-0.0432
56	0	Correlation	15.348	15.268	-0.0803

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	15.202	15.29	15.367	0.080148	15.09	15.195	15.268	0.085938	-0.1519	-0.0949	-0.0432	0.04554
3	15.062	15.234	15.351	0.08507	14.941	15.103	15.26	0.11081	-0.2077	-0.13128	-0.0564	0.050244
10	15.287	15.352	15.444	0.061503	14.713	14.979	15.281	0.23504	-0.5844	-0.37322	-0.128	0.20208
30	15.234	15.34	15.428	0.071712	14.148	14.632	15.122	0.4454	-1.16	-0.70852	-0.2952	0.42973
50	15.258	15.36	15.539	0.081981	13.856	14.429	15.122	0.53818	-1.4705	-0.93191	-0.4172	0.5047
100	15.284	15.388	15.523	0.099243	13.373	14.128	14.827	0.64371	-1.948	-1.2598	-0.5871	0.67347

Device Test: 18.36; WDO_RNMOS





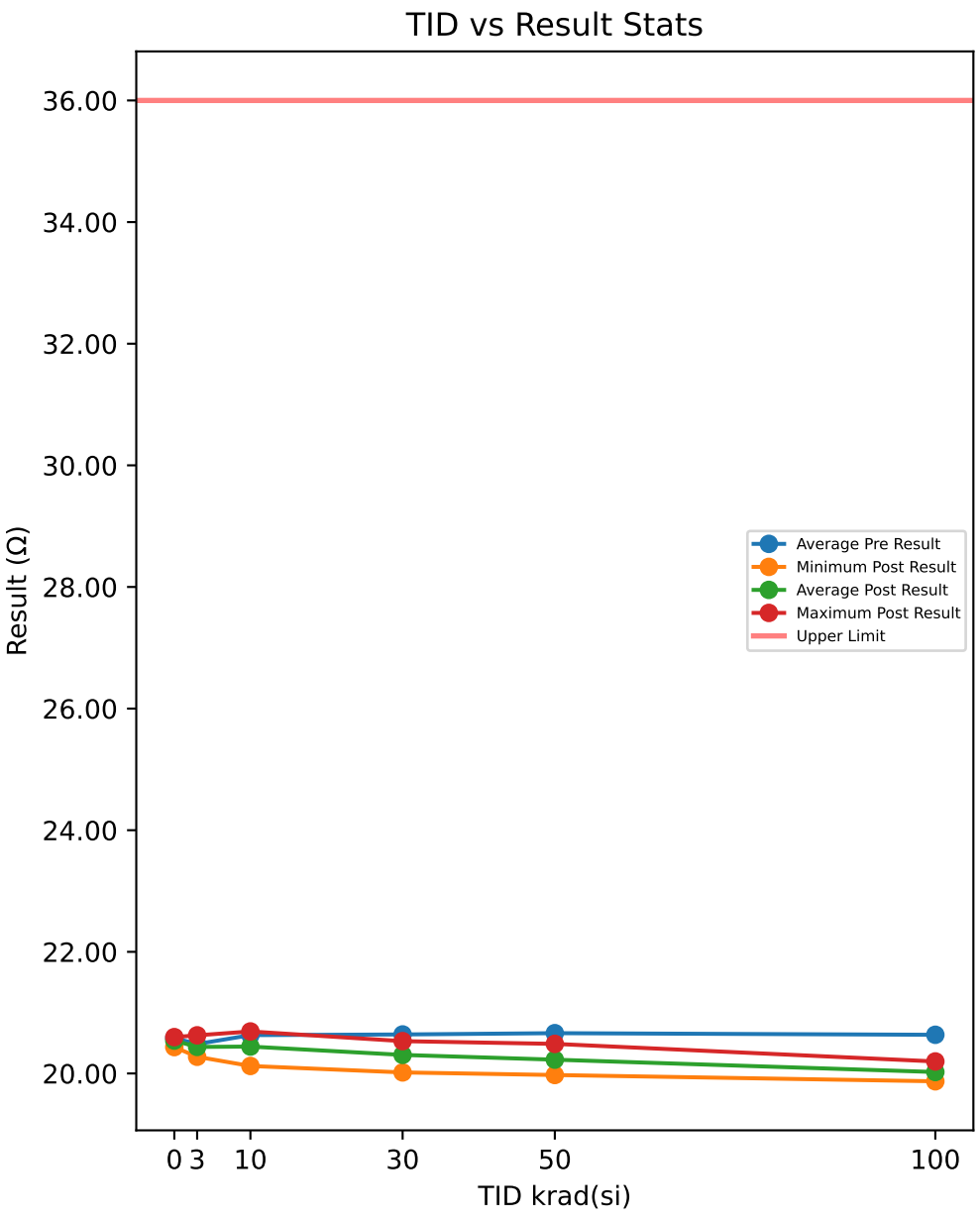
Test Results (Upper Limit = 36.0 (Ω))

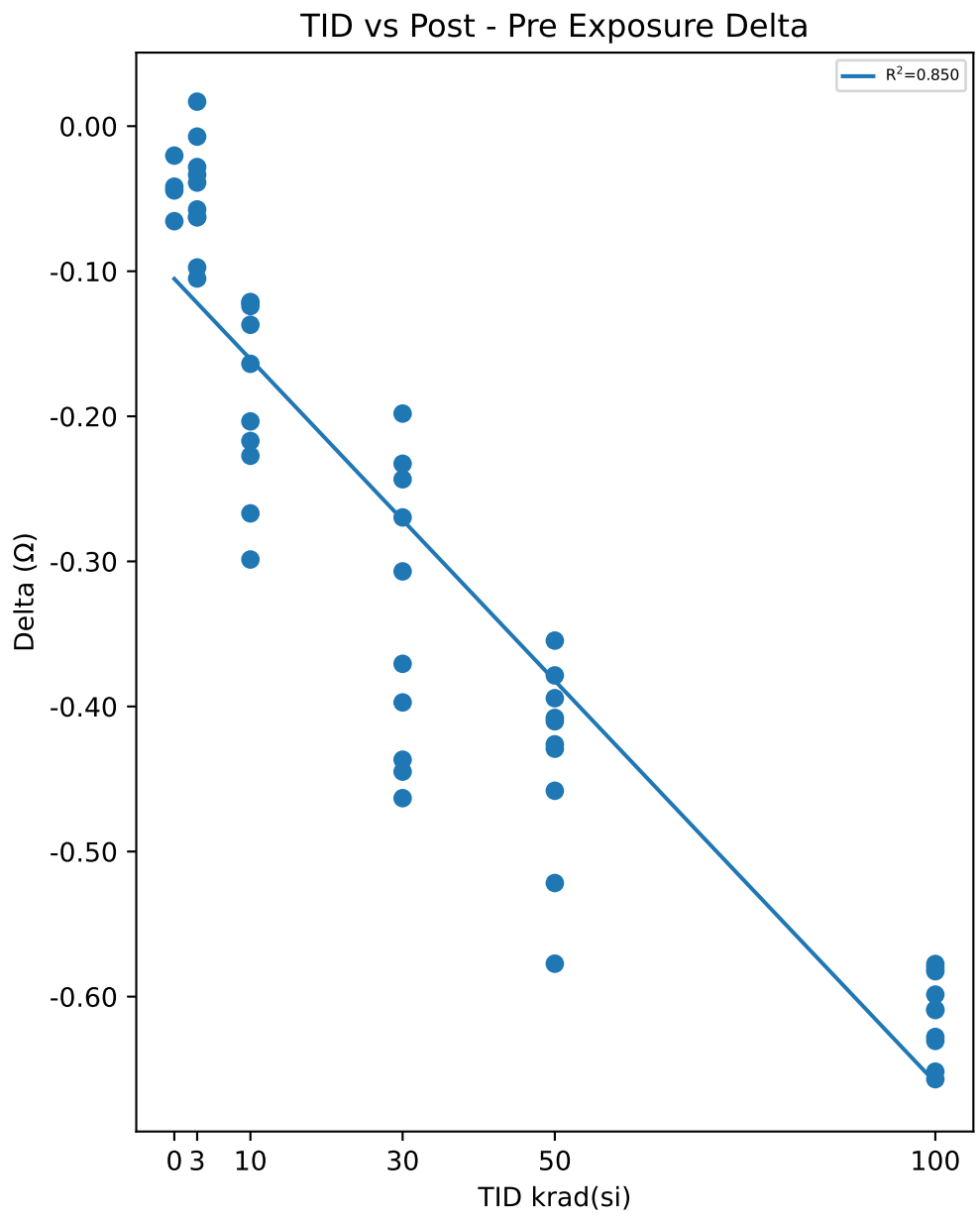
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	15.098	15.006	-0.0922
3	3	Biased	15.303	15.133	-0.1693
4	3	Biased	15.093	14.969	-0.124
5	3	Biased	15.207	15.11	-0.0976
6	3	Biased	15.265	15.091	-0.1745
7	3	Unbiased	15.26	15.25	-0.0101
8	3	Unbiased	15.22	15.216	-0.0048
9	3	Unbiased	15.377	15.335	-0.0421
10	3	Unbiased	15.276	15.266	-0.0101
11	3	Unbiased	15.218	15.213	-0.0048
12	10	Unbiased	15.361	15.218	-0.1428
13	10	Unbiased	15.281	15.205	-0.0765
14	10	Unbiased	15.22	15.133	-0.087
15	10	Unbiased	15.292	15.115	-0.1772
16	10	Unbiased	15.446	15.3	-0.1455
17	10	Biased	15.467	14.964	-0.5035
18	10	Biased	15.364	14.81	-0.5537
19	10	Biased	15.366	14.855	-0.5114
20	10	Biased	15.345	14.826	-0.5192
21	10	Biased	15.279	14.834	-0.445
22	30	Biased	15.247	14.174	-1.0733
23	30	Biased	15.316	14.235	-1.0812
24	30	Biased	15.252	14.243	-1.0097
25	30	Biased	15.358	14.224	-1.1344
26	30	Biased	15.319	14.285	-1.0336
27	30	Unbiased	15.265	15.03	-0.2355
28	30	Unbiased	15.43	15.168	-0.2621
29	30	Unbiased	15.25	14.966	-0.2832
30	30	Unbiased	15.162	14.932	-0.2301
31	30	Unbiased	15.478	15.184	-0.294
32	50	Biased	15.321	14.009	-1.312
33	50	Biased	15.358	14.023	-1.3359
34	50	Biased	15.268	13.842	-1.4259
35	50	Biased	15.422	13.983	-1.4393
36	50	Biased	15.491	14.131	-1.3598
37	50	Unbiased	15.22	14.866	-0.3547
39	50	Unbiased	15.319	14.882	-0.437
40	50	Unbiased	15.353	14.964	-0.3894
41	50	Unbiased	15.388	15.046	-0.3417
42	50	Unbiased	15.43	15.035	-0.3947
43	100	Biased	15.55	13.67	-1.8796
44	100	Biased	15.308	13.405	-1.9032
45	100	Biased	15.39	13.506	-1.8846
46	100	Biased	15.502	13.63	-1.8715
47	100	Biased	15.541	13.675	-1.8663
48	100	Unbiased	15.258	14.696	-0.5616
49	100	Unbiased	15.348	14.752	-0.5962
50	100	Unbiased	15.345	14.842	-0.5033
51	100	Unbiased	15.457	14.9	-0.5565
52	100	Unbiased	15.417	14.844	-0.5724
53	0	Correlation	15.369	15.327	-0.042
54	0	Correlation	15.218	15.21	-0.0075
55	0	Correlation	15.281	15.253	-0.0288
56	0	Correlation	15.427	15.409	-0.0182

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	15.218	15.324	15.427	0.092738	15.21	15.3	15.409	0.087439	-0.042	-0.024125	-0.0075	0.014752
3	15.093	15.232	15.377	0.086909	14.969	15.159	15.335	0.11735	-0.1745	-0.07295	-0.0048	0.067758
10	15.22	15.342	15.467	0.076639	14.81	15.026	15.3	0.18873	-0.5537	-0.31618	-0.0765	0.20437
30	15.162	15.308	15.478	0.094155	14.174	14.644	15.184	0.44181	-1.1344	-0.66371	-0.2301	0.42613
50	15.22	15.357	15.491	0.080137	13.842	14.478	15.046	0.51412	-1.4393	-0.87904	-0.3417	0.52426
100	15.258	15.411	15.55	0.0997	13.405	14.192	14.9	0.65511	-1.9032	-1.2195	-0.5033	0.69774

Device Test: 18.37; RESET_RNMOS





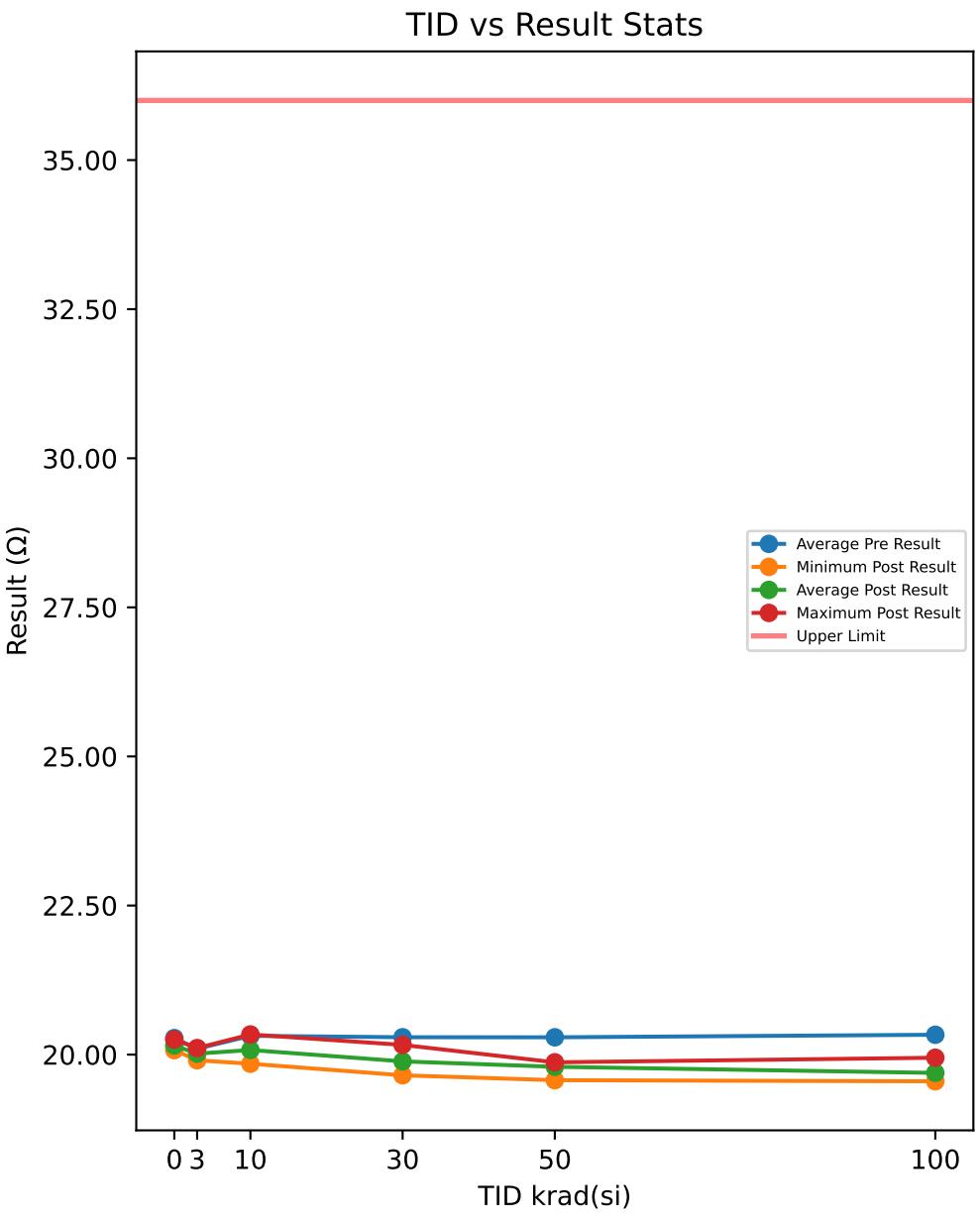
Test Results (Upper Limit = 36.0 (Ω))

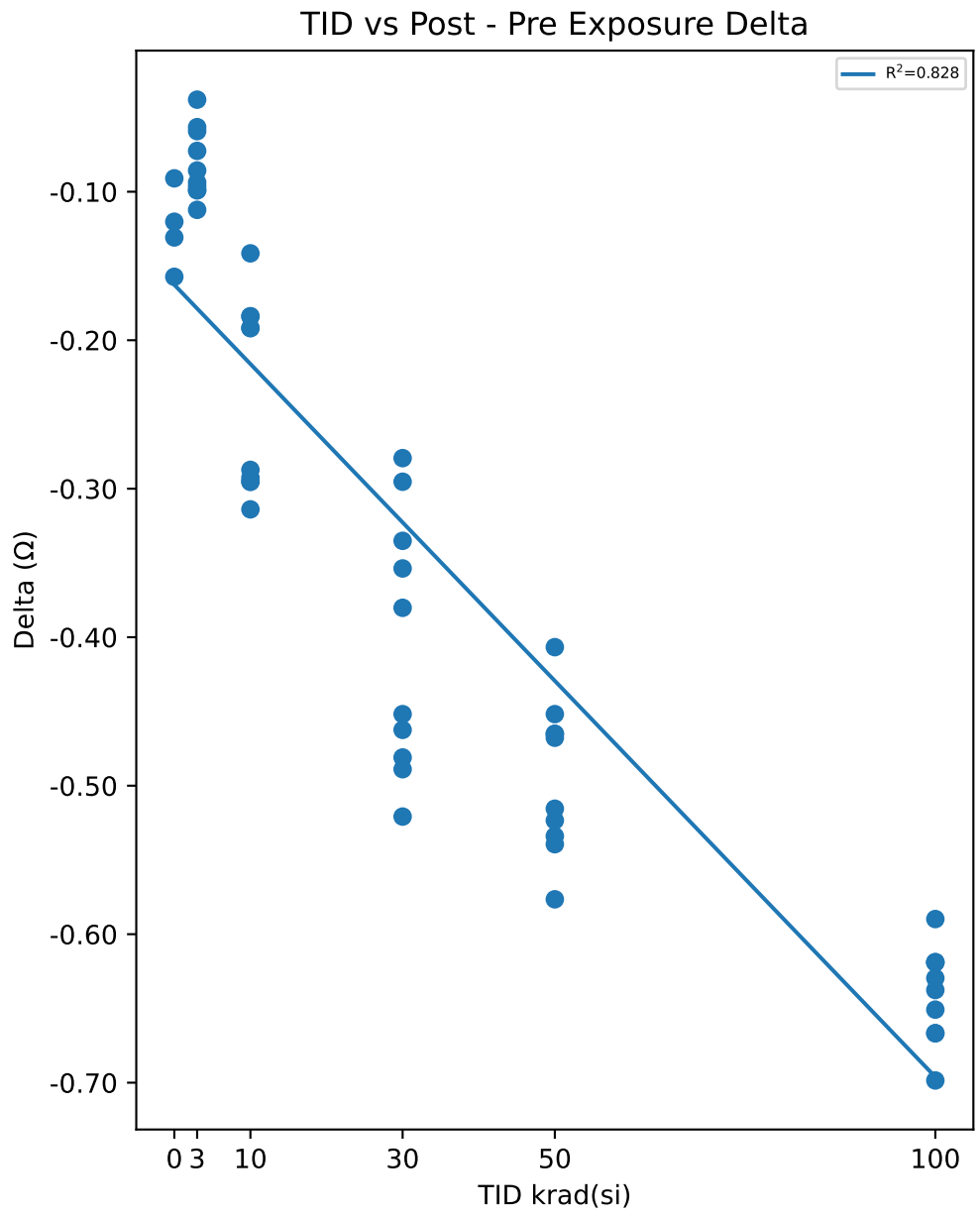
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	20.494	20.431	-0.0628
3	3	Biased	20.459	20.402	-0.0574
4	3	Biased	20.422	20.359	-0.0627
5	3	Biased	20.724	20.627	-0.0974
6	3	Biased	20.379	20.274	-0.105
7	3	Unbiased	20.393	20.41	0.0169
8	3	Unbiased	20.496	20.468	-0.0282
9	3	Unbiased	20.507	20.468	-0.0389
10	3	Unbiased	20.337	20.303	-0.0335
11	3	Unbiased	20.629	20.622	-0.0072
12	10	Unbiased	20.775	20.654	-0.1214
13	10	Unbiased	20.679	20.558	-0.1213
14	10	Unbiased	20.735	20.611	-0.124
15	10	Unbiased	20.732	20.569	-0.1638
16	10	Unbiased	20.472	20.335	-0.1369
17	10	Biased	20.39	20.123	-0.2669
18	10	Biased	20.462	20.163	-0.2987
19	10	Biased	20.908	20.691	-0.217
20	10	Biased	20.488	20.261	-0.2272
21	10	Biased	20.661	20.457	-0.2035
22	30	Biased	20.679	20.309	-0.3706
23	30	Biased	20.687	20.242	-0.4449
24	30	Biased	20.78	20.383	-0.3972
25	30	Biased	20.48	20.017	-0.4632
26	30	Biased	20.562	20.126	-0.4367
27	30	Unbiased	20.653	20.42	-0.2327
28	30	Unbiased	20.775	20.532	-0.2434
29	30	Unbiased	20.658	20.351	-0.3069
30	30	Unbiased	20.552	20.282	-0.2697
31	30	Unbiased	20.586	20.388	-0.1981
32	50	Biased	20.557	20.131	-0.4261
33	50	Biased	20.552	19.975	-0.5773
34	50	Biased	20.658	20.136	-0.5217
35	50	Biased	20.653	20.195	-0.4581
36	50	Biased	20.884	20.455	-0.4291
37	50	Unbiased	20.584	20.189	-0.3943
39	50	Unbiased	20.57	20.216	-0.3546
40	50	Unbiased	20.525	20.115	-0.4102
41	50	Unbiased	20.894	20.486	-0.4079
42	50	Unbiased	20.748	20.37	-0.3786
43	100	Biased	20.48	19.871	-0.609
44	100	Biased	20.48	19.898	-0.5825
45	100	Biased	20.777	20.197	-0.5801
46	100	Biased	20.586	19.93	-0.6569
47	100	Biased	20.674	20.044	-0.6305
48	100	Unbiased	20.637	20.038	-0.5986
49	100	Unbiased	20.685	20.033	-0.6517
50	100	Unbiased	20.631	20.022	-0.6092
51	100	Unbiased	20.64	20.012	-0.6278
52	100	Unbiased	20.77	20.192	-0.5775
53	0	Correlation	20.61	20.545	-0.0655
54	0	Correlation	20.642	20.598	-0.0443
55	0	Correlation	20.454	20.433	-0.0203
56	0	Correlation	20.626	20.584	-0.0417

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	20.454	20.583	20.642	0.087222	20.433	20.54	20.598	0.074627	-0.0655	-0.04295	-0.0203	0.018483
3	20.337	20.484	20.724	0.11785	20.274	20.436	20.627	0.11764	-0.105	-0.04762	0.0169	0.037673
10	20.39	20.63	20.908	0.16797	20.123	20.442	20.691	0.20779	-0.2987	-0.18807	-0.1213	0.064356
30	20.48	20.641	20.78	0.096773	20.017	20.305	20.532	0.14878	-0.4632	-0.33634	-0.1981	0.098107
50	20.525	20.663	20.894	0.1362	19.975	20.227	20.486	0.16182	-0.5773	-0.43579	-0.3546	0.067543
100	20.48	20.636	20.777	0.1015	19.871	20.024	20.197	0.10922	-0.6569	-0.61238	-0.5775	0.028785

Device Test: 18.38; RESET_RNMOS





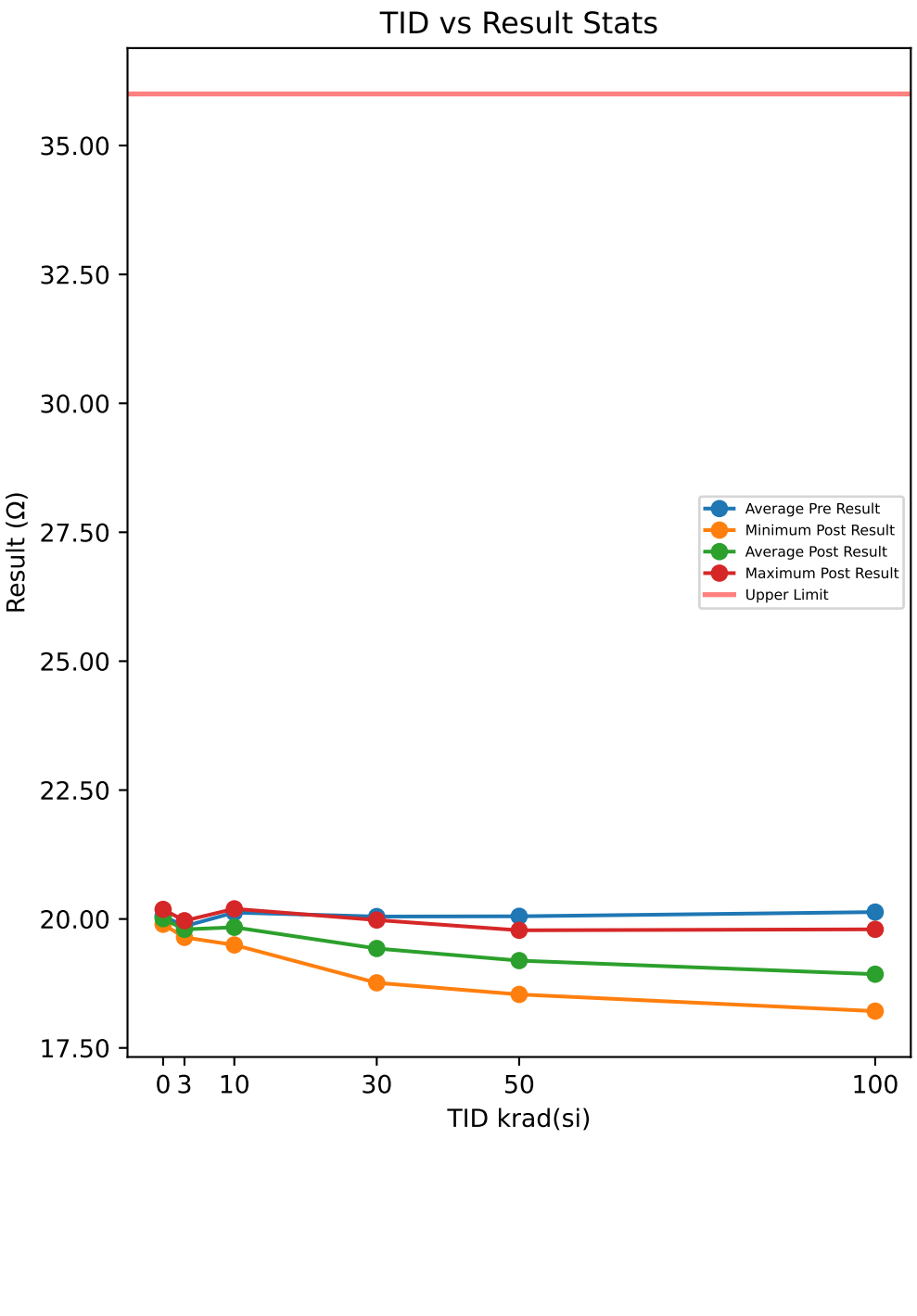
Test Results (Upper Limit = 36.0 (Ω))

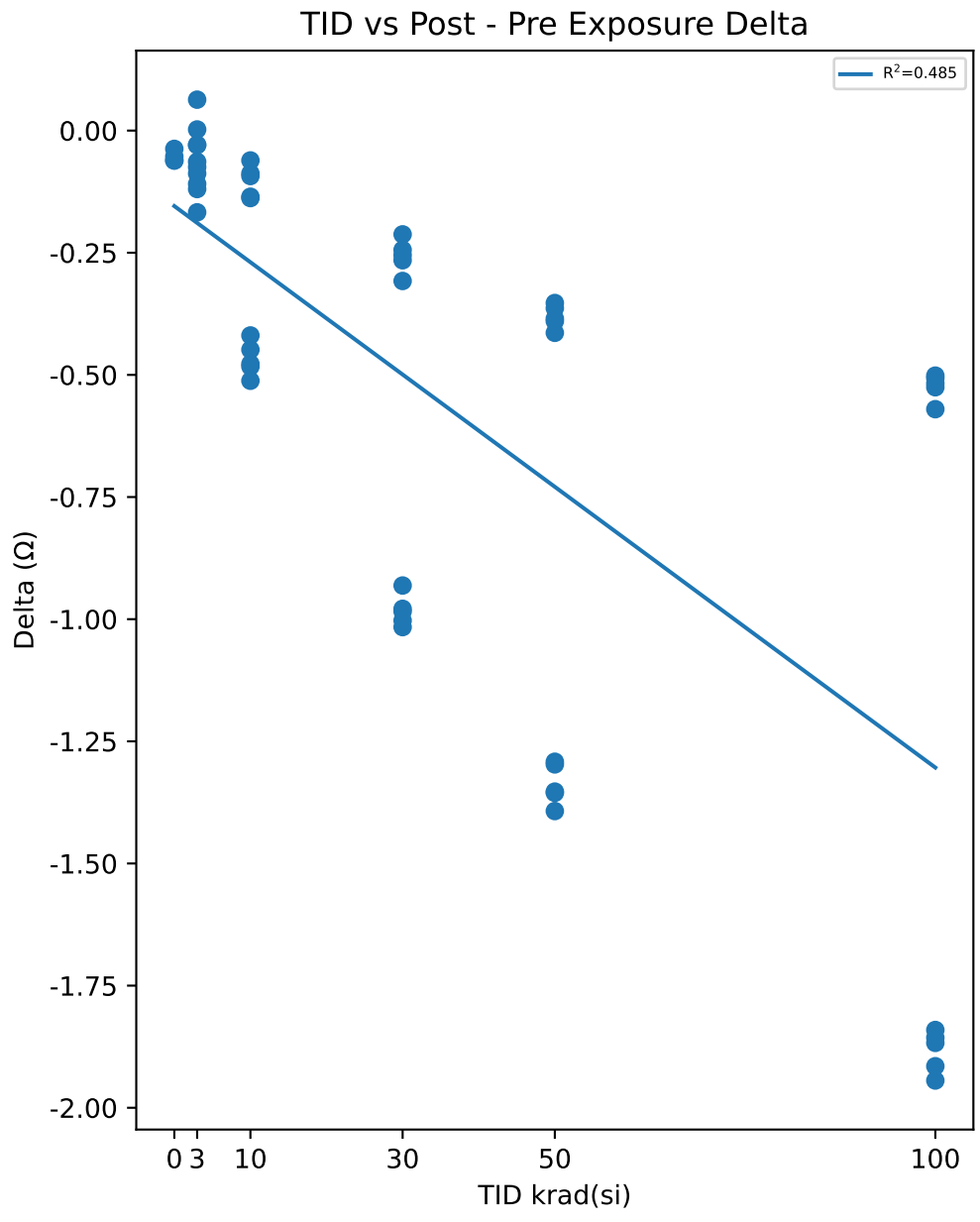
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	19.978	19.905	-0.0725
3	3	Biased	20.209	20.11	-0.099
4	3	Biased	20.103	20.009	-0.0937
5	3	Biased	20.15	20.054	-0.0963
6	3	Biased	20.097	19.998	-0.099
7	3	Unbiased	20.039	20.001	-0.038
8	3	Unbiased	20.007	19.948	-0.0592
9	3	Unbiased	20.087	20.03	-0.0565
10	3	Unbiased	20.11	19.998	-0.1122
11	3	Unbiased	20.195	20.11	-0.0857
12	10	Unbiased	20.248	20.057	-0.1918
13	10	Unbiased	20.328	20.187	-0.1415
14	10	Unbiased	20.347	20.155	-0.1918
15	10	Unbiased	20.177	19.993	-0.1839
16	10	Unbiased	20.339	20.155	-0.1839
17	10	Biased	20.251	19.956	-0.2953
18	10	Biased	20.381	20.086	-0.2953
19	10	Biased	20.625	20.338	-0.2873
20	10	Biased	20.14	19.847	-0.2926
21	10	Biased	20.315	20.001	-0.3139
22	30	Biased	20.373	19.892	-0.481
23	30	Biased	20.381	19.892	-0.4889
24	30	Biased	20.344	19.823	-0.5208
25	30	Biased	20.116	19.653	-0.4624
26	30	Biased	20.198	19.746	-0.4518
27	30	Unbiased	20.331	19.951	-0.3802
28	30	Unbiased	20.238	19.959	-0.2794
29	30	Unbiased	20.209	19.855	-0.3537
30	30	Unbiased	20.227	19.932	-0.2953
31	30	Unbiased	20.498	20.163	-0.3351
32	50	Biased	20.323	19.783	-0.5394
33	50	Biased	20.105	19.571	-0.534
34	50	Biased	20.275	19.698	-0.5765
35	50	Biased	20.381	19.858	-0.5234
36	50	Biased	20.386	19.871	-0.5155
37	50	Unbiased	20.259	19.794	-0.4651
39	50	Unbiased	20.328	19.863	-0.4651
40	50	Unbiased	20.32	19.868	-0.4518
41	50	Unbiased	20.28	19.813	-0.4677
42	50	Unbiased	20.246	19.839	-0.4067
43	100	Biased	20.424	19.794	-0.6296
44	100	Biased	20.23	19.563	-0.6667
45	100	Biased	20.333	19.683	-0.6508
46	100	Biased	20.381	19.683	-0.6985
47	100	Biased	20.429	19.762	-0.6667
48	100	Unbiased	20.172	19.553	-0.6189
49	100	Unbiased	20.142	19.553	-0.5898
50	100	Unbiased	20.251	19.632	-0.6189
51	100	Unbiased	20.567	19.948	-0.619
52	100	Unbiased	20.402	19.765	-0.6376
53	0	Correlation	20.195	20.075	-0.1202
54	0	Correlation	20.283	20.152	-0.1308
55	0	Correlation	20.219	20.128	-0.091
56	0	Correlation	20.41	20.253	-0.1573

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	20.195	20.277	20.41	0.096251	20.075	20.152	20.253	0.074523	-0.1573	-0.12483	-0.091	0.027422
3	19.978	20.098	20.209	0.075249	19.905	20.016	20.11	0.064097	-0.1122	-0.08121	-0.038	0.023653
10	20.14	20.315	20.625	0.1336	19.847	20.077	20.338	0.13867	-0.3139	-0.23773	-0.1415	0.064268
30	20.116	20.291	20.498	0.11306	19.653	19.887	20.163	0.13612	-0.5208	-0.40486	-0.2794	0.0867
50	20.105	20.29	20.386	0.080555	19.571	19.796	19.871	0.095143	-0.5765	-0.49452	-0.4067	0.051159
100	20.142	20.333	20.567	0.13291	19.553	19.693	19.948	0.12706	-0.6985	-0.63965	-0.5898	0.031497

Device Test: 18.39; RESET_RNMOS





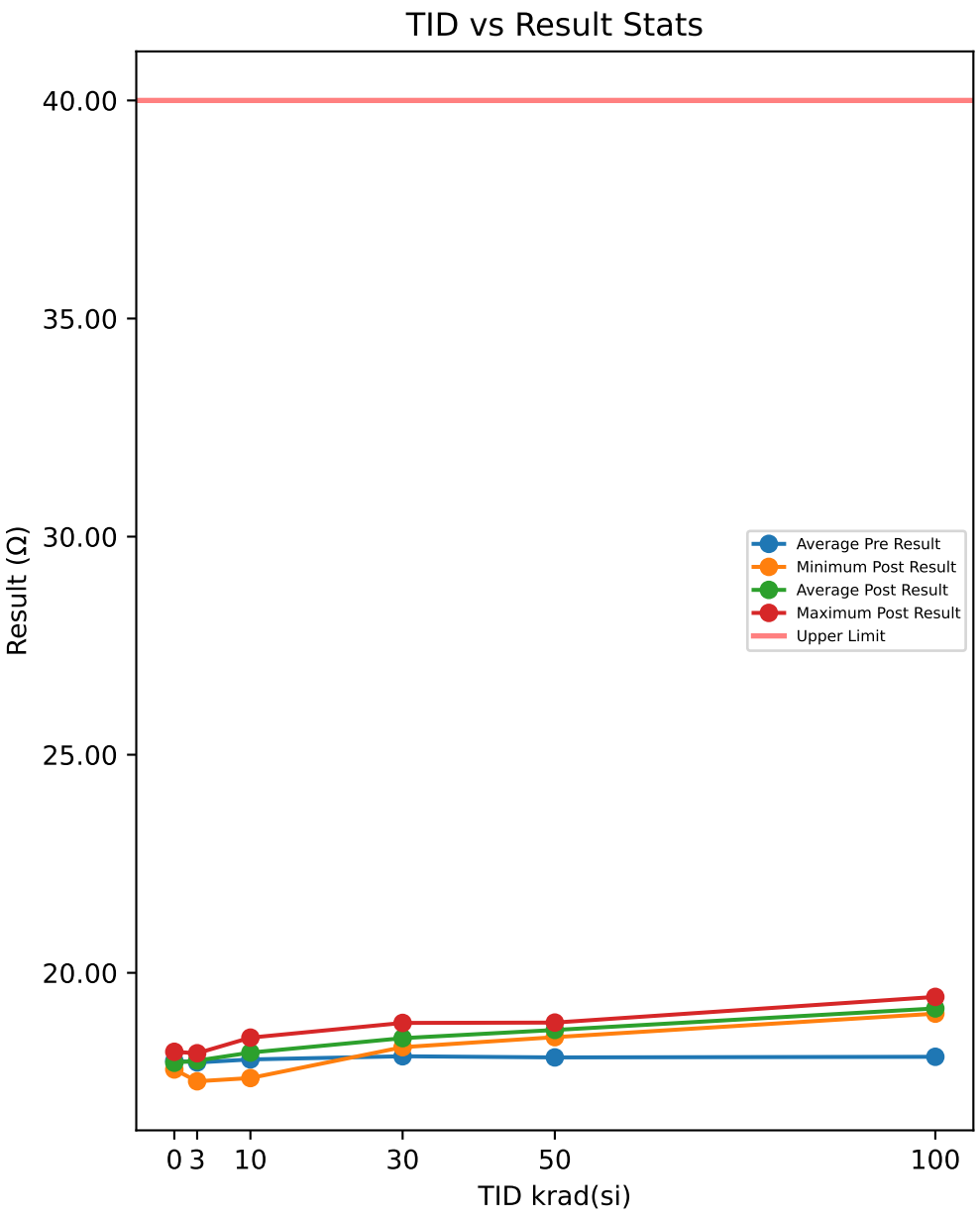
Test Results (Upper Limit = 36.0 (Ω))

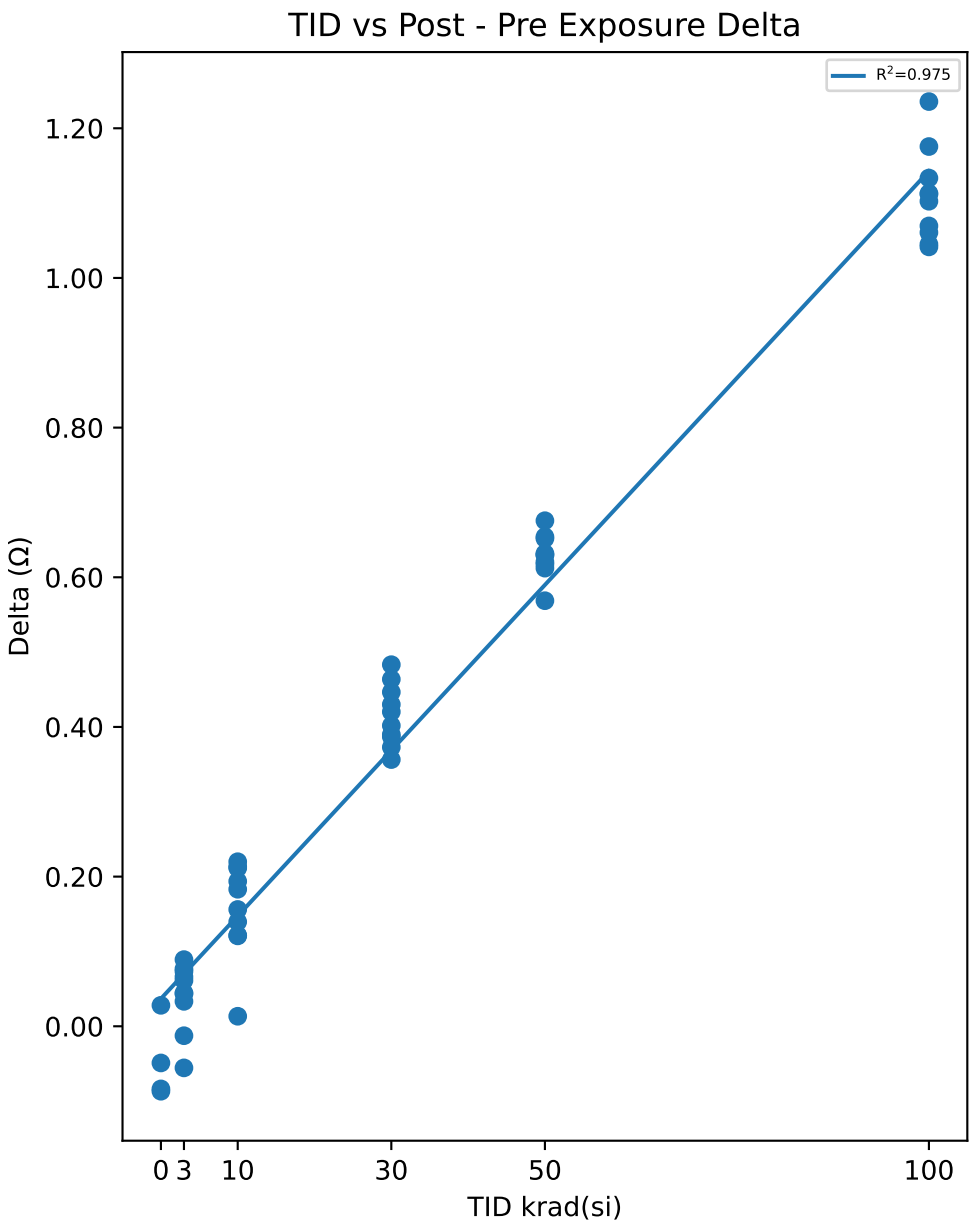
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	19.752	19.643	-0.1091
3	3	Biased	20.015	19.847	-0.1673
4	3	Biased	19.795	19.707	-0.0879
5	3	Biased	20.004	19.884	-0.1196
6	3	Biased	19.734	19.659	-0.0746
7	3	Unbiased	19.681	19.744	0.0633
8	3	Unbiased	19.805	19.808	0.0023
9	3	Unbiased	19.996	19.967	-0.0293
10	3	Unbiased	19.808	19.778	-0.0294
11	3	Unbiased	20.015	19.951	-0.0638
12	10	Unbiased	20.131	20.07	-0.0611
13	10	Unbiased	20.285	20.197	-0.0876
14	10	Unbiased	20.007	19.914	-0.093
15	10	Unbiased	20.076	19.938	-0.1381
16	10	Unbiased	20.131	19.996	-0.1354
17	10	Biased	20.06	19.64	-0.4193
18	10	Biased	20.118	19.606	-0.512
19	10	Biased	20.396	19.919	-0.4774
20	10	Biased	19.98	19.497	-0.4829
21	10	Biased	20.062	19.614	-0.4484
22	30	Biased	20.142	19.163	-0.9788
23	30	Biased	20.15	19.219	-0.9311
24	30	Biased	20.065	19.081	-0.9842
25	30	Biased	19.779	18.762	-1.0162
26	30	Biased	20.036	19.033	-1.0027
27	30	Unbiased	20.091	19.784	-0.3078
28	30	Unbiased	19.98	19.768	-0.2124
29	30	Unbiased	19.935	19.68	-0.2549
30	30	Unbiased	20.073	19.808	-0.2654
31	30	Unbiased	20.224	19.98	-0.2441
32	50	Biased	20.054	18.757	-1.2972
33	50	Biased	19.89	18.537	-1.3529
34	50	Biased	20.015	18.622	-1.3927
35	50	Biased	20.221	18.866	-1.3554
36	50	Biased	20.129	18.837	-1.2918
37	50	Unbiased	19.948	19.558	-0.3901
39	50	Unbiased	20.036	19.651	-0.3848
40	50	Unbiased	20.134	19.781	-0.3529
41	50	Unbiased	20.084	19.67	-0.4139
42	50	Unbiased	20.015	19.651	-0.3636
43	100	Biased	20.354	18.487	-1.8672
44	100	Biased	20.158	18.213	-1.9442
45	100	Biased	20.126	18.269	-1.8567
46	100	Biased	20.208	18.293	-1.915
47	100	Biased	20.145	18.304	-1.8408
48	100	Unbiased	19.932	19.415	-0.5174
49	100	Unbiased	19.993	19.492	-0.5015
50	100	Unbiased	19.932	19.426	-0.5068
51	100	Unbiased	20.37	19.8	-0.5702
52	100	Unbiased	20.123	19.598	-0.5253
53	0	Correlation	19.935	19.898	-0.0374
54	0	Correlation	20.086	20.025	-0.0612
55	0	Correlation	19.975	19.914	-0.0612
56	0	Correlation	20.24	20.187	-0.0531

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	19.935	20.059	20.24	0.13651	19.898	20.006	20.187	0.13331	-0.0612	-0.053225	-0.0374	0.01122
3	19.681	19.86	20.015	0.132	19.643	19.799	19.967	0.1139	-0.1673	-0.06154	0.0633	0.066183
10	19.98	20.125	20.396	0.12692	19.497	19.839	20.197	0.23317	-0.512	-0.28552	-0.0611	0.19504
30	19.779	20.047	20.224	0.12604	18.762	19.428	19.98	0.41999	-1.0162	-0.61976	-0.2124	0.38377
50	19.89	20.053	20.221	0.095641	18.537	19.193	19.781	0.50617	-1.3927	-0.85953	-0.3529	0.50541
100	19.932	20.134	20.37	0.15324	18.213	18.93	19.8	0.66194	-1.9442	-1.2045	-0.5015	0.71788

Device Test: 18.4; RESET_RPMOS_LOW_V





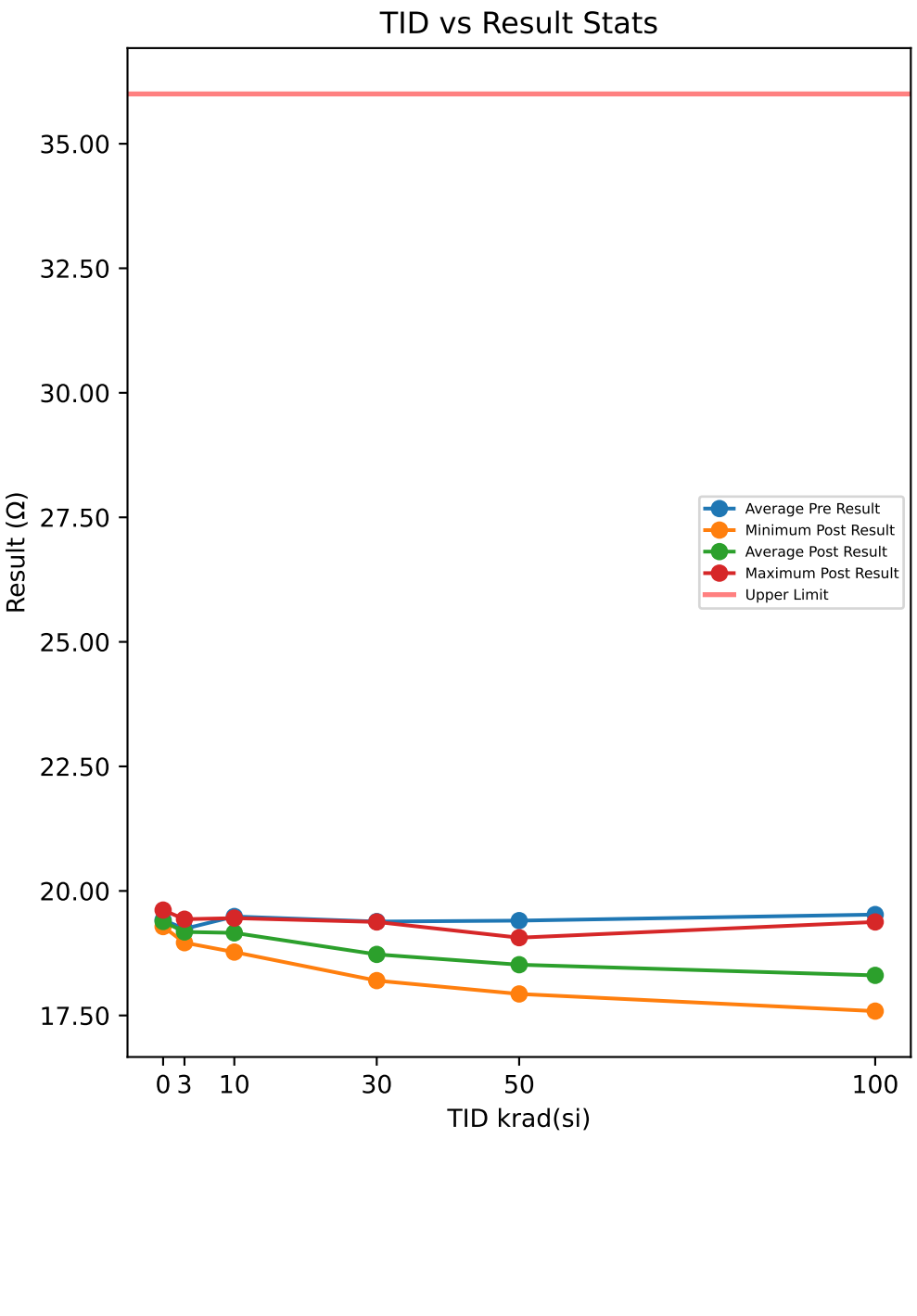
Test Results (Upper Limit = 40.0 (Ω))

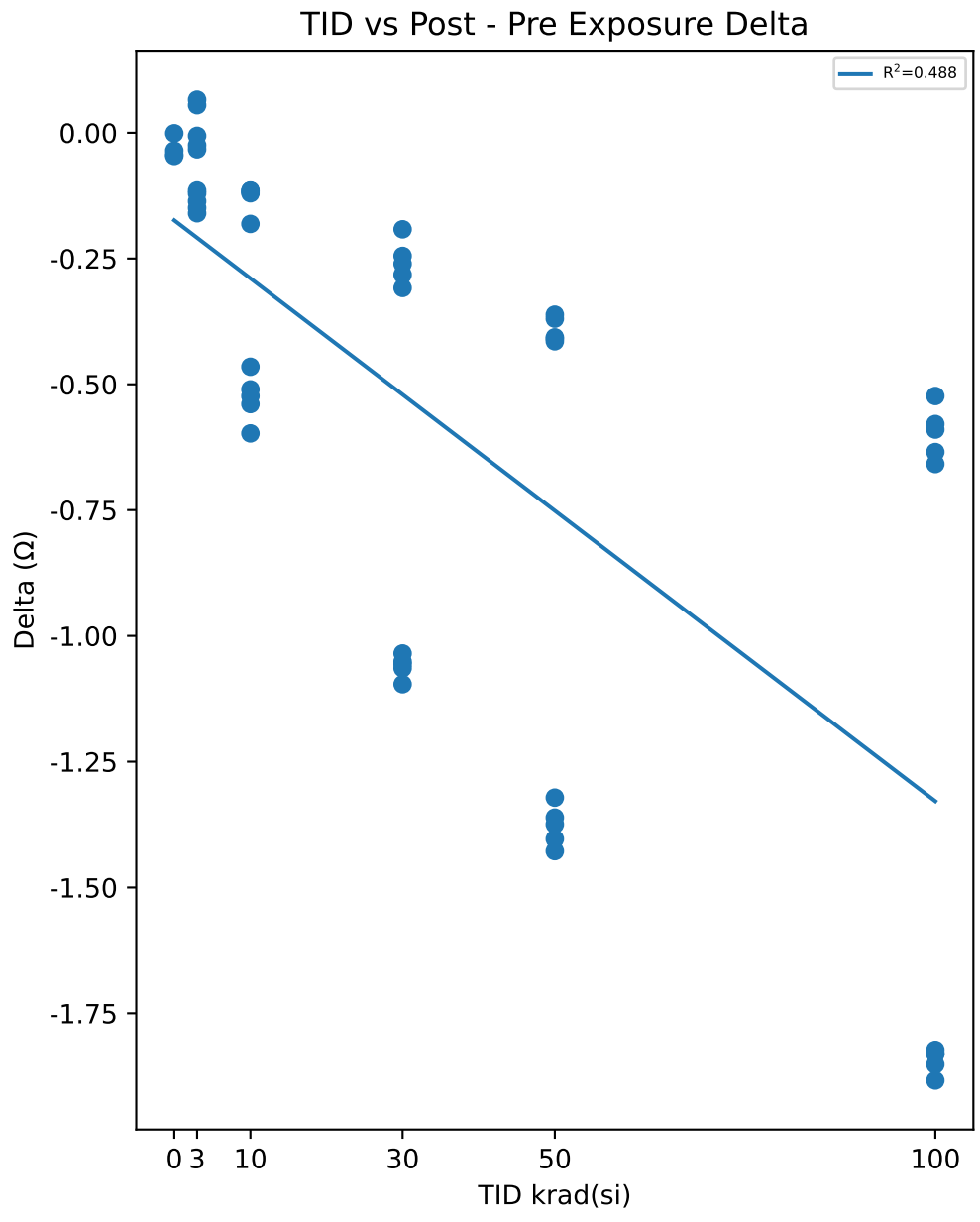
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	17.963	18.052	0.0891
3	3	Biased	17.973	18.039	0.066
4	3	Biased	17.569	17.514	-0.0556
5	3	Biased	18.041	18.085	0.0435
6	3	Biased	17.936	17.98	0.0445
7	3	Unbiased	18.067	18.143	0.0767
8	3	Unbiased	17.954	17.941	-0.0126
9	3	Unbiased	18.006	18.068	0.0612
10	3	Unbiased	17.865	17.898	0.0333
11	3	Unbiased	18.083	18.156	0.0734
12	10	Unbiased	18.218	18.438	0.2199
13	10	Unbiased	18.321	18.514	0.1937
14	10	Unbiased	18.129	18.343	0.2133
15	10	Unbiased	17.999	18.139	0.1396
16	10	Unbiased	17.955	18.076	0.1208
17	10	Biased	17.869	17.991	0.1216
18	10	Biased	17.985	18.197	0.2115
19	10	Biased	17.575	17.588	0.0134
20	10	Biased	18.001	18.184	0.1831
21	10	Biased	18.093	18.249	0.1561
22	30	Biased	18.082	18.472	0.3899
23	30	Biased	18.369	18.852	0.4832
24	30	Biased	18.17	18.616	0.4465
25	30	Biased	17.832	18.296	0.4637
26	30	Biased	18.007	18.38	0.3729
27	30	Unbiased	18.111	18.531	0.4202
28	30	Unbiased	18.106	18.493	0.3869
29	30	Unbiased	18.006	18.408	0.4018
30	30	Unbiased	18.121	18.551	0.43
31	30	Unbiased	18.069	18.425	0.3564
32	50	Biased	18.006	18.638	0.6318
33	50	Biased	18.003	18.632	0.6295
34	50	Biased	18.157	18.809	0.6518
35	50	Biased	18.166	18.82	0.6541
36	50	Biased	18.184	18.86	0.6756
37	50	Unbiased	18.002	18.62	0.6173
39	50	Unbiased	17.955	18.585	0.6302
40	50	Unbiased	17.956	18.525	0.5687
41	50	Unbiased	18.159	18.771	0.6122
42	50	Unbiased	18.02	18.641	0.6205
43	100	Biased	18.088	19.19	1.1025
44	100	Biased	17.957	19.07	1.113
45	100	Biased	18.213	19.448	1.2357
46	100	Biased	17.995	19.064	1.0695
47	100	Biased	18.097	19.23	1.1335
48	100	Unbiased	18.083	19.124	1.0415
49	100	Unbiased	18.015	19.191	1.1756
50	100	Unbiased	18.069	19.114	1.0451
51	100	Unbiased	18.038	19.099	1.0607
52	100	Unbiased	18.197	19.309	1.112
53	0	Correlation	17.977	17.928	-0.049
54	0	Correlation	18.162	18.19	0.028
55	0	Correlation	17.868	17.784	-0.0837
56	0	Correlation	17.939	17.853	-0.0868

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	17.868	17.986	18.162	0.1252	17.784	17.939	18.19	0.17734	-0.0868	-0.047875	0.028	0.053407
3	17.569	17.946	18.083	0.14748	17.514	17.988	18.156	0.18565	-0.0556	0.04195	0.0891	0.044652
10	17.575	18.014	18.321	0.20385	17.588	18.172	18.514	0.25991	0.0134	0.1573	0.2199	0.062904
30	17.832	18.087	18.369	0.13602	18.296	18.502	18.852	0.15342	0.3564	0.41515	0.4832	0.040916
50	17.955	18.061	18.184	0.093524	18.525	18.69	18.86	0.11454	0.5687	0.62917	0.6756	0.028787
100	17.957	18.075	18.213	0.081624	19.064	19.184	19.448	0.12062	1.0415	1.1089	1.2357	0.061181

Device Test: 18.40; RESET_RNMOS





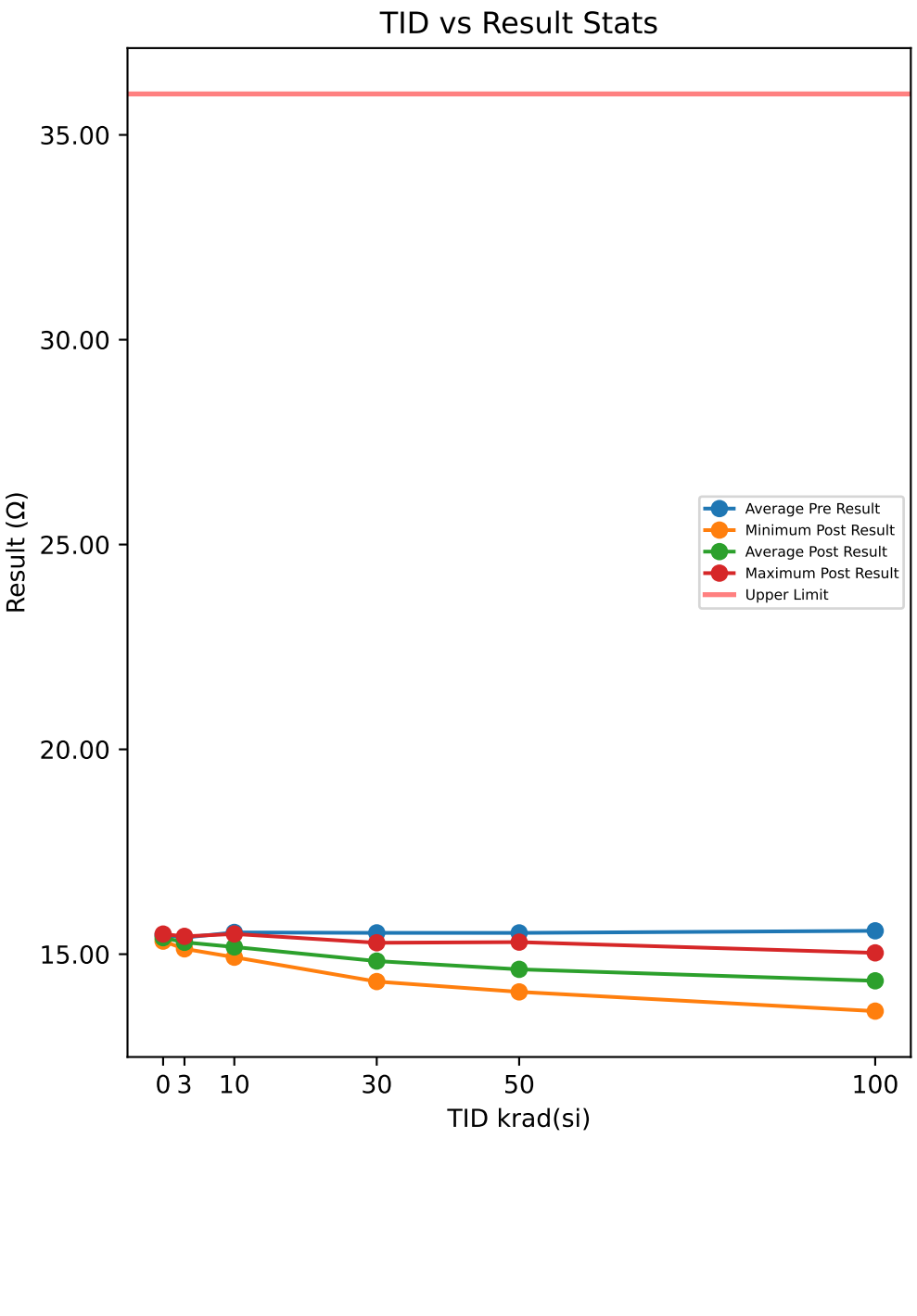
Test Results (Upper Limit = 36.0 (Ω))

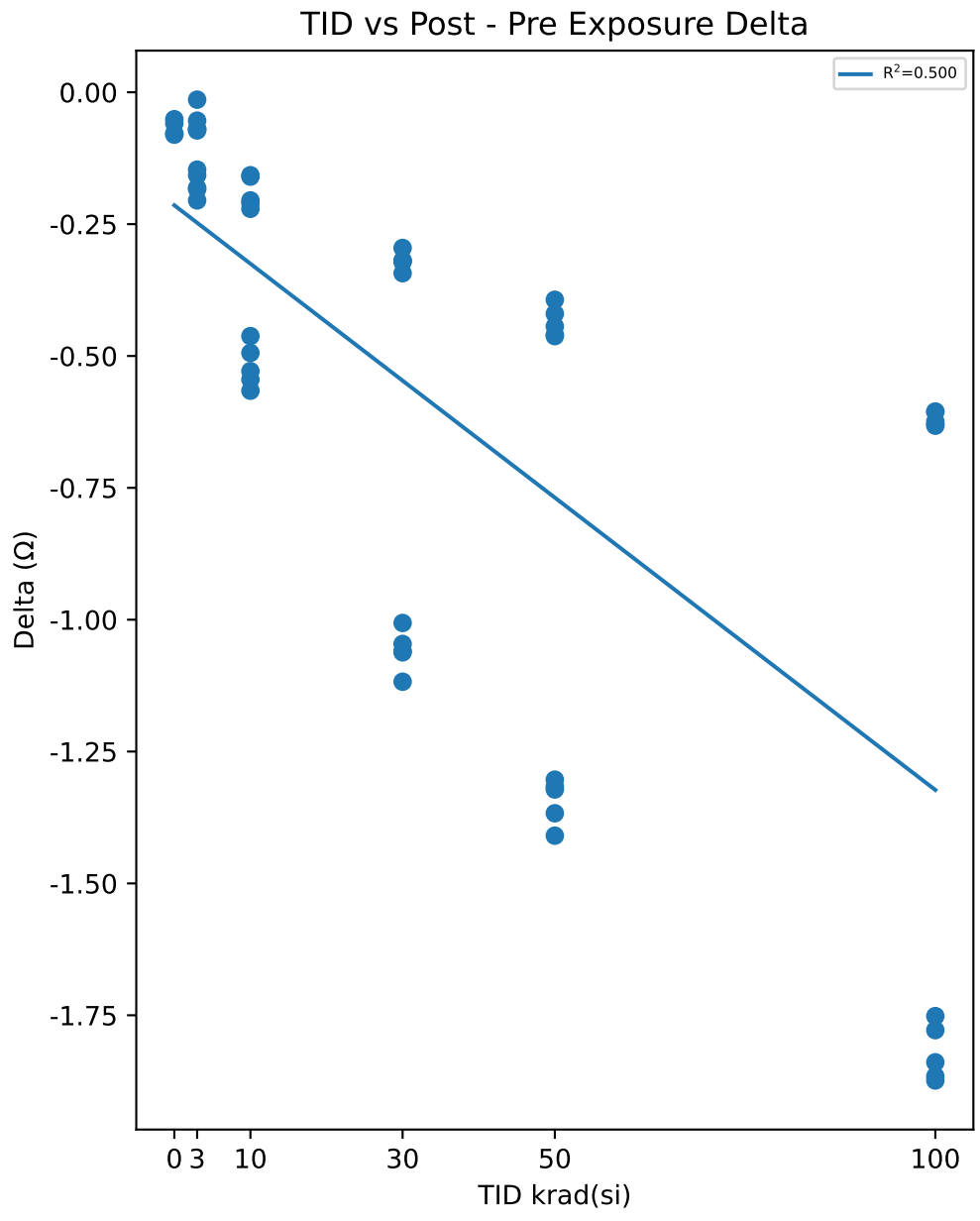
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	19.157	19.021	-0.136
3	3	Biased	19.447	19.287	-0.16
4	3	Biased	19.11	18.96	-0.1492
5	3	Biased	19.404	19.284	-0.1203
6	3	Biased	19.088	18.974	-0.1147
7	3	Unbiased	19.035	19.101	0.0657
8	3	Unbiased	19.187	19.162	-0.0247
9	3	Unbiased	19.399	19.366	-0.0328
10	3	Unbiased	19.187	19.181	-0.0061
11	3	Unbiased	19.378	19.433	0.0548
12	10	Unbiased	19.457	19.337	-0.1202
13	10	Unbiased	19.54	19.422	-0.1177
14	10	Unbiased	19.418	19.236	-0.1812
15	10	Unbiased	19.309	19.194	-0.1148
16	10	Unbiased	19.569	19.454	-0.1151
17	10	Biased	19.532	18.992	-0.5393
18	10	Biased	19.547	19.024	-0.5234
19	10	Biased	19.675	19.21	-0.4651
20	10	Biased	19.37	18.772	-0.5976
21	10	Biased	19.447	18.937	-0.5101
22	30	Biased	19.418	18.366	-1.051
23	30	Biased	19.481	18.385	-1.0961
24	30	Biased	19.338	18.303	-1.035
25	30	Biased	19.264	18.199	-1.0642
26	30	Biased	19.319	18.263	-1.0563
27	30	Unbiased	19.423	19.114	-0.3085
28	30	Unbiased	19.394	19.202	-0.1919
29	30	Unbiased	19.224	18.963	-0.2606
30	30	Unbiased	19.327	19.082	-0.2448
31	30	Unbiased	19.659	19.377	-0.2822
32	50	Biased	19.396	18.075	-1.3215
33	50	Biased	19.293	17.932	-1.3612
34	50	Biased	19.391	17.987	-1.4037
35	50	Biased	19.571	18.144	-1.4277
36	50	Biased	19.51	18.136	-1.3746
37	50	Unbiased	19.296	18.881	-0.4145
39	50	Unbiased	19.431	19.061	-0.3695
40	50	Unbiased	19.364	19.003	-0.3616
41	50	Unbiased	19.431	19.024	-0.4067
42	50	Unbiased	19.354	18.945	-0.4093
43	100	Biased	19.68	17.828	-1.852
44	100	Biased	19.42	17.59	-1.8307
45	100	Biased	19.471	17.587	-1.8837
46	100	Biased	19.505	17.674	-1.8307
47	100	Biased	19.635	17.812	-1.8228
48	100	Unbiased	19.343	18.685	-0.6585
49	100	Unbiased	19.463	18.828	-0.6347
50	100	Unbiased	19.354	18.775	-0.579
51	100	Unbiased	19.967	19.377	-0.59
52	100	Unbiased	19.415	18.892	-0.5233
53	0	Correlation	19.33	19.284	-0.046
54	0	Correlation	19.396	19.353	-0.0433
55	0	Correlation	19.33	19.295	-0.0354
56	0	Correlation	19.616	19.616	-0.001

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	19.33	19.418	19.616	0.13584	19.284	19.387	19.616	0.15547	-0.046	-0.031425	-0.001	0.020776
3	19.035	19.239	19.447	0.15211	18.96	19.177	19.433	0.16428	-0.16	-0.06233	0.0657	0.084444
10	19.309	19.486	19.675	0.10712	18.772	19.158	19.454	0.22174	-0.5976	-0.32845	-0.1148	0.21271
30	19.224	19.385	19.659	0.12359	18.199	18.726	19.377	0.45948	-1.0961	-0.65906	-0.1919	0.42445
50	19.293	19.404	19.571	0.087696	17.932	18.519	19.061	0.49535	-1.4277	-0.88503	-0.3616	0.52033
100	19.343	19.525	19.967	0.18976	17.587	18.305	19.377	0.66888	-1.8837	-1.2205	-0.5233	0.6583

Device Test: 18.41; PWRGD_RNMOS





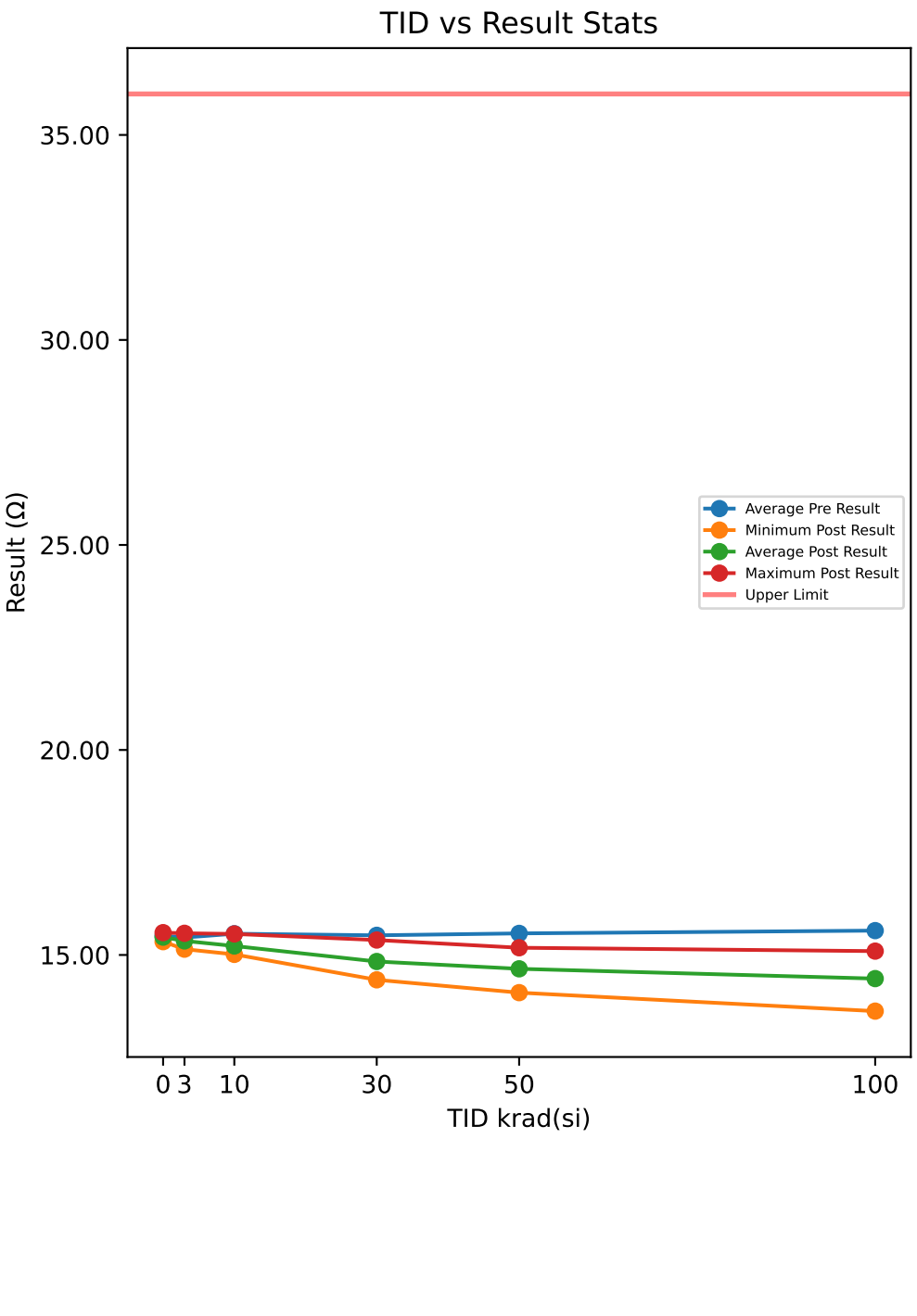
Test Results (Upper Limit = 36.0 (Ω))

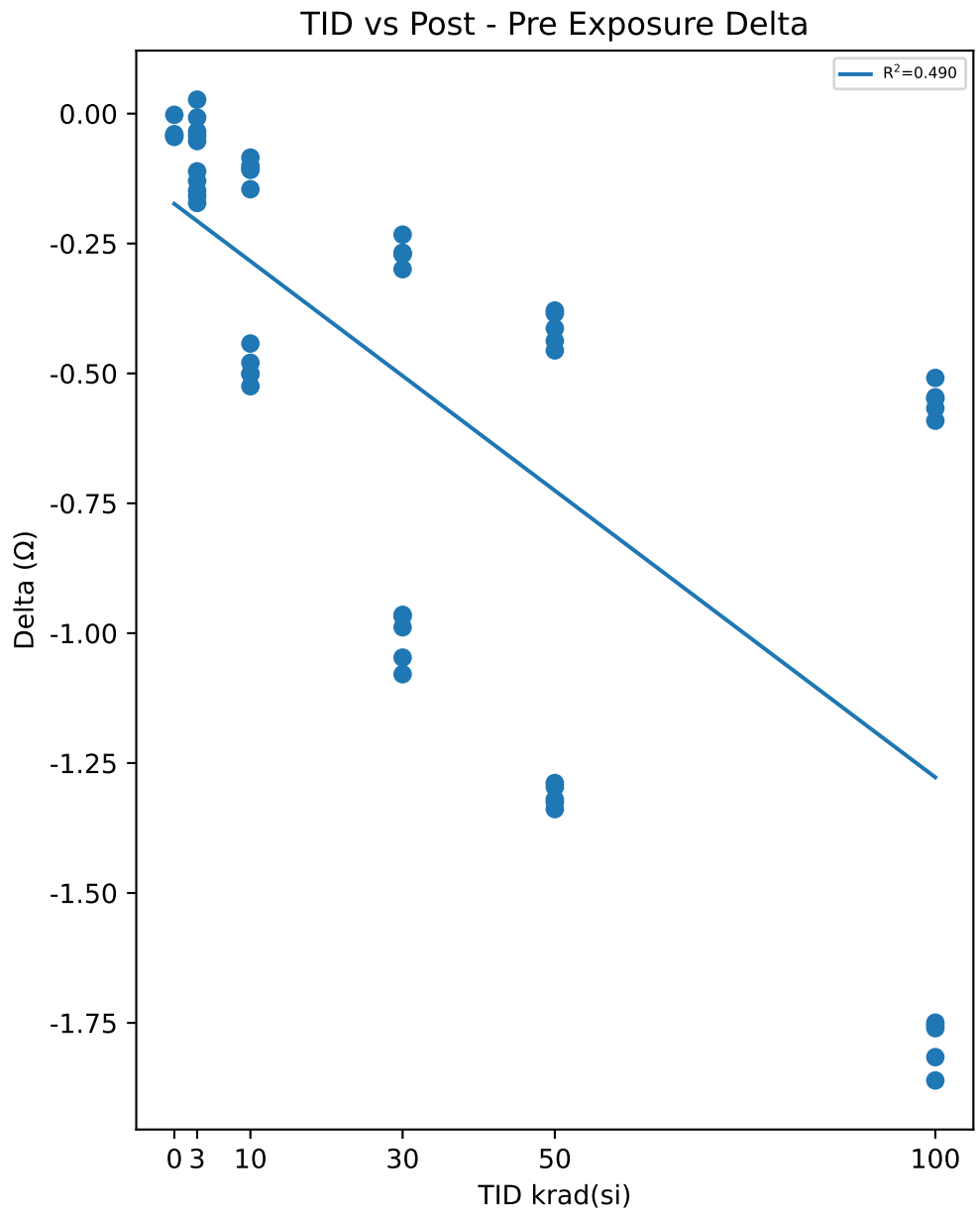
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	15.345	15.188	-0.1573
3	3	Biased	15.43	15.284	-0.1467
4	3	Biased	15.314	15.13	-0.1838
5	3	Biased	15.436	15.254	-0.1812
6	3	Biased	15.388	15.183	-0.205
7	3	Unbiased	15.436	15.366	-0.0697
8	3	Unbiased	15.322	15.307	-0.014
9	3	Unbiased	15.507	15.435	-0.0724
10	3	Unbiased	15.489	15.435	-0.0538
11	3	Unbiased	15.385	15.316	-0.0697
12	10	Unbiased	15.571	15.414	-0.1573
13	10	Unbiased	15.653	15.493	-0.1599
14	10	Unbiased	15.459	15.239	-0.2209
15	10	Unbiased	15.558	15.347	-0.2103
16	10	Unbiased	15.523	15.318	-0.205
17	10	Biased	15.542	14.997	-0.5446
18	10	Biased	15.491	14.925	-0.5658
19	10	Biased	15.55	15.087	-0.4623
20	10	Biased	15.457	14.928	-0.5287
21	10	Biased	15.502	15.008	-0.4942
22	30	Biased	15.449	14.331	-1.1176
23	30	Biased	15.436	14.39	-1.046
24	30	Biased	15.621	14.562	-1.0593
25	30	Biased	15.536	14.475	-1.0619
26	30	Biased	15.404	14.398	-1.0062
27	30	Unbiased	15.582	15.239	-0.343
28	30	Unbiased	15.523	15.228	-0.2952
29	30	Unbiased	15.473	15.151	-0.3217
30	30	Unbiased	15.582	15.262	-0.3191
31	30	Unbiased	15.597	15.278	-0.3191
32	50	Biased	15.531	14.122	-1.4095
33	50	Biased	15.505	14.188	-1.3165
34	50	Biased	15.446	14.079	-1.367
35	50	Biased	15.481	14.159	-1.3219
36	50	Biased	15.555	14.252	-1.3033
37	50	Unbiased	15.406	15.013	-0.3934
39	50	Unbiased	15.507	15.047	-0.4597
40	50	Unbiased	15.738	15.294	-0.4438
41	50	Unbiased	15.518	15.056	-0.4623
42	50	Unbiased	15.507	15.087	-0.4199
43	100	Biased	15.658	13.88	-1.7782
44	100	Biased	15.483	13.61	-1.8737
45	100	Biased	15.494	13.742	-1.7516
46	100	Biased	15.727	13.862	-1.8657
47	100	Biased	15.595	13.755	-1.8392
48	100	Unbiased	15.459	14.835	-0.6241
49	100	Unbiased	15.526	14.894	-0.6322
50	100	Unbiased	15.611	15.005	-0.6055
51	100	Unbiased	15.51	14.88	-0.6294
52	100	Unbiased	15.637	15.032	-0.6056
53	0	Correlation	15.512	15.461	-0.0511
54	0	Correlation	15.396	15.318	-0.0777
55	0	Correlation	15.42	15.339	-0.0804
56	0	Correlation	15.55	15.491	-0.059

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	15.396	15.469	15.55	0.073432	15.318	15.402	15.491	0.08631	-0.0804	-0.06705	-0.0511	0.014269
3	15.314	15.405	15.507	0.066259	15.13	15.29	15.435	0.10408	-0.205	-0.11536	-0.014	0.066562
10	15.457	15.531	15.653	0.058484	14.925	15.176	15.493	0.21158	-0.5658	-0.3549	-0.1573	0.17639
30	15.404	15.52	15.621	0.076049	14.331	14.831	15.278	0.42742	-1.1176	-0.68891	-0.2952	0.39034
50	15.406	15.519	15.738	0.087769	14.079	14.63	15.294	0.50274	-1.4095	-0.88973	-0.3934	0.47975
100	15.459	15.57	15.727	0.088495	13.61	14.35	15.032	0.61789	-1.8737	-1.2205	-0.6055	0.63477

Device Test: 18.42; WDO_RNMOS





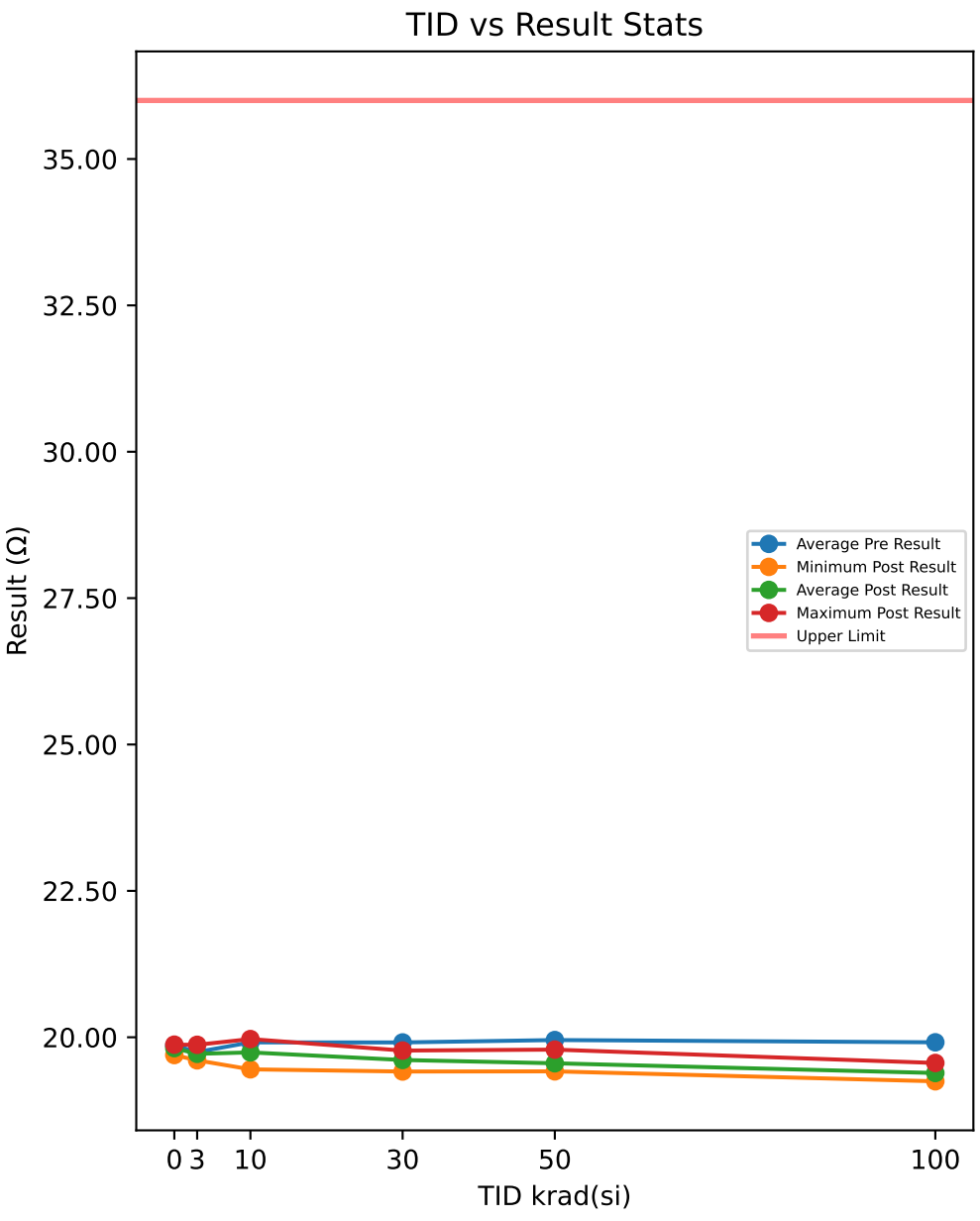
Test Results (Upper Limit = 36.0 (Ω))

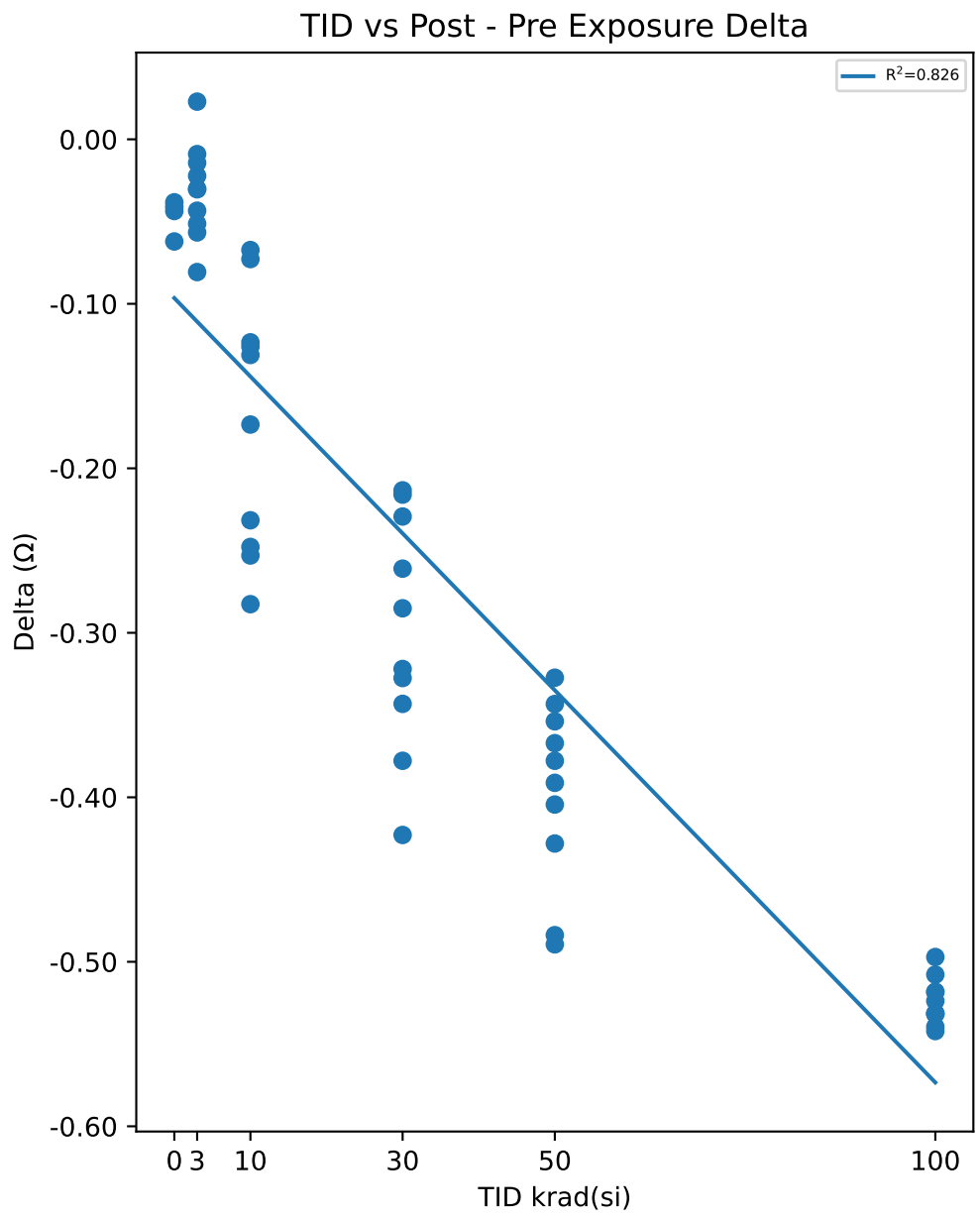
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	15.35	15.178	-0.1719
3	3	Biased	15.494	15.383	-0.1111
4	3	Biased	15.289	15.141	-0.148
5	3	Biased	15.438	15.279	-0.1587
6	3	Biased	15.398	15.269	-0.1296
7	3	Unbiased	15.441	15.406	-0.0342
8	3	Unbiased	15.369	15.396	0.0269
9	3	Unbiased	15.581	15.528	-0.0528
10	3	Unbiased	15.462	15.42	-0.0421
11	3	Unbiased	15.433	15.425	-0.0076
12	10	Unbiased	15.518	15.412	-0.1058
13	10	Unbiased	15.504	15.404	-0.1004
14	10	Unbiased	15.353	15.245	-0.1083
15	10	Unbiased	15.467	15.322	-0.1455
16	10	Unbiased	15.597	15.513	-0.0846
17	10	Biased	15.687	15.187	-0.5009
18	10	Biased	15.539	15.014	-0.5247
19	10	Biased	15.488	15.046	-0.4425
20	10	Biased	15.526	15.025	-0.5009
21	10	Biased	15.499	15.019	-0.4796
22	30	Biased	15.361	14.394	-0.9674
23	30	Biased	15.422	14.457	-0.9647
24	30	Biased	15.565	14.486	-1.0789
25	30	Biased	15.441	14.394	-1.047
26	30	Biased	15.473	14.484	-0.9886
27	30	Unbiased	15.47	15.2	-0.2701
28	30	Unbiased	15.595	15.295	-0.2994
29	30	Unbiased	15.478	15.21	-0.2675
30	30	Unbiased	15.353	15.12	-0.2329
31	30	Unbiased	15.634	15.364	-0.2703
32	50	Biased	15.523	14.184	-1.3386
33	50	Biased	15.478	14.182	-1.2962
34	50	Biased	15.401	14.081	-1.32
35	50	Biased	15.573	14.248	-1.3254
36	50	Biased	15.666	14.378	-1.2884
37	50	Unbiased	15.401	14.988	-0.4133
39	50	Unbiased	15.499	15.043	-0.4557
40	50	Unbiased	15.55	15.171	-0.379
41	50	Unbiased	15.611	15.173	-0.4373
42	50	Unbiased	15.56	15.176	-0.3842
43	100	Biased	15.735	13.919	-1.816
44	100	Biased	15.491	13.63	-1.8609
45	100	Biased	15.539	13.789	-1.7496
46	100	Biased	15.693	13.932	-1.7603
47	100	Biased	15.682	13.927	-1.755
48	100	Unbiased	15.433	14.924	-0.5087
49	100	Unbiased	15.544	14.953	-0.591
50	100	Unbiased	15.568	15.001	-0.5671
51	100	Unbiased	15.642	15.094	-0.5486
52	100	Unbiased	15.611	15.065	-0.546
53	0	Correlation	15.459	15.457	-0.0023
54	0	Correlation	15.366	15.324	-0.0421
55	0	Correlation	15.457	15.412	-0.0448
56	0	Correlation	15.584	15.544	-0.0395

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	15.366	15.467	15.584	0.089357	15.324	15.434	15.544	0.091722	-0.0448	-0.032175	-0.0023	0.020034
3	15.289	15.426	15.581	0.080822	15.141	15.343	15.528	0.12145	-0.1719	-0.08291	0.0269	0.069562
10	15.353	15.518	15.687	0.08606	15.014	15.219	15.513	0.18838	-0.5247	-0.29932	-0.0846	0.2023
30	15.353	15.479	15.634	0.094022	14.394	14.84	15.364	0.42471	-1.0789	-0.63868	-0.2329	0.39249
50	15.401	15.526	15.666	0.085056	14.081	14.662	15.176	0.48124	-1.3386	-0.86381	-0.379	0.47497
100	15.433	15.594	15.735	0.095954	13.63	14.423	15.094	0.62343	-1.8609	-1.1703	-0.5087	0.65259

Device Test: 18.43; RESET_RNMOS





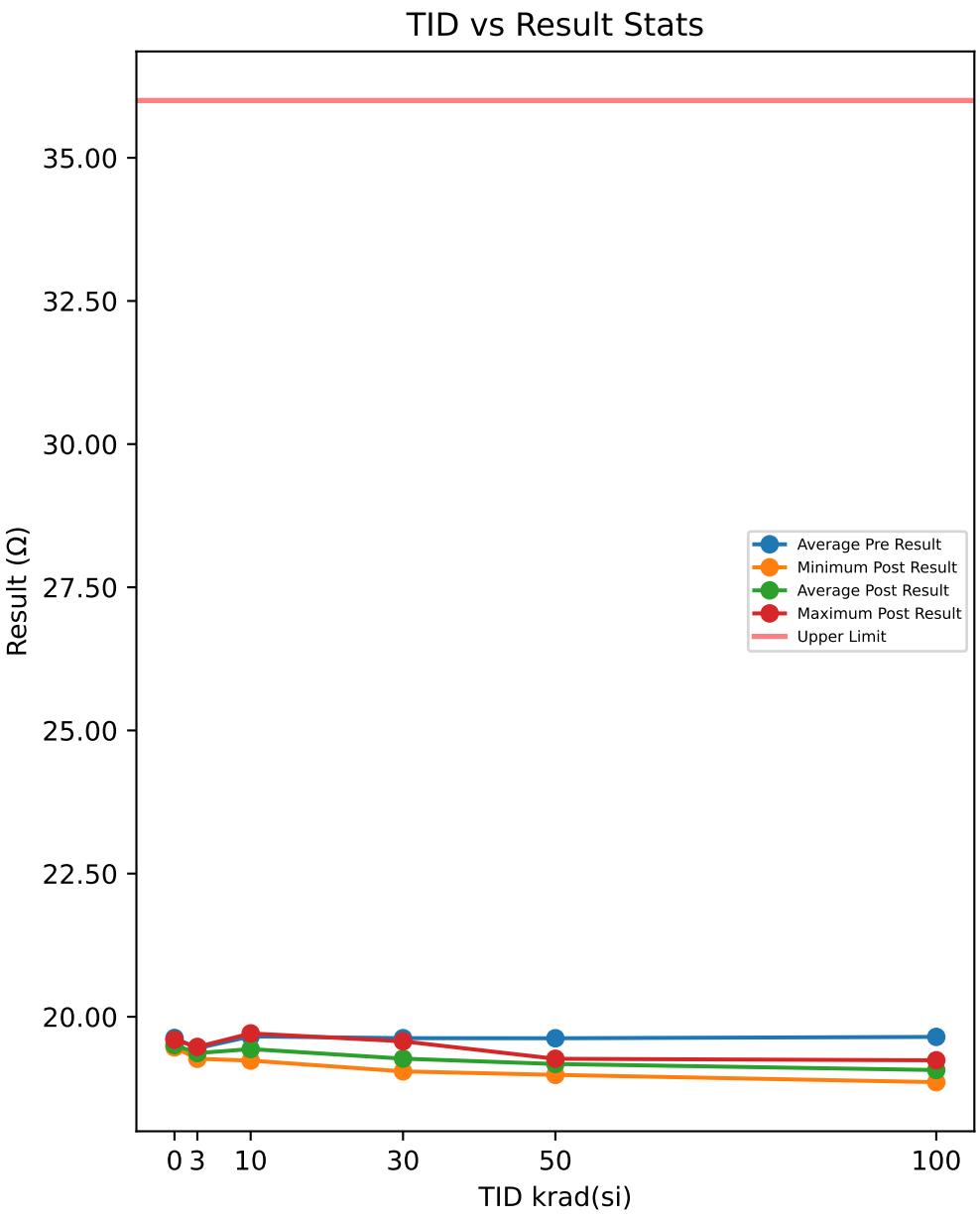
Test Results (Upper Limit = 36.0 (Ω))

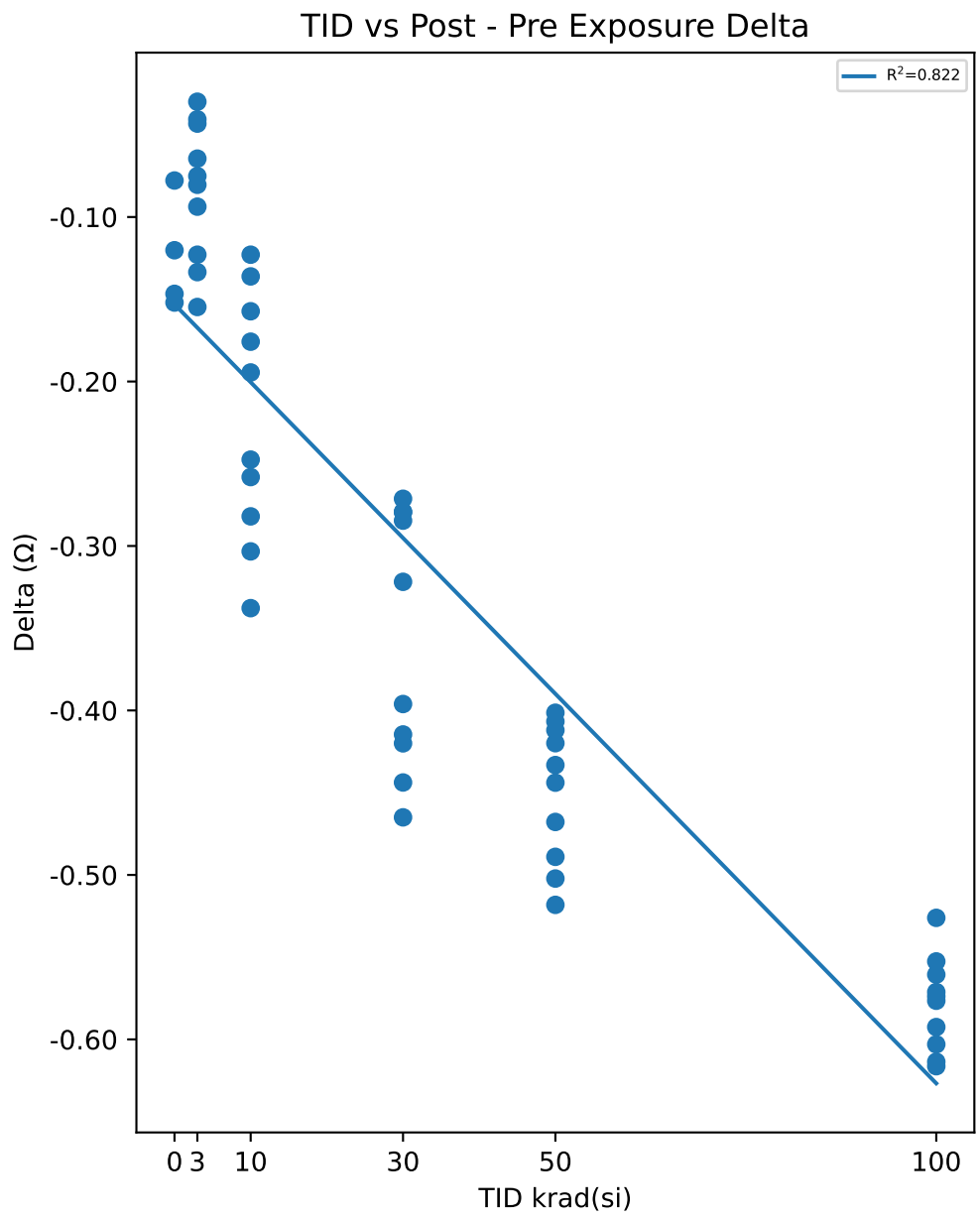
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	19.713	19.691	-0.0222
3	3	Biased	19.713	19.656	-0.0566
4	3	Biased	19.676	19.633	-0.0434
5	3	Biased	19.952	19.871	-0.0807
6	3	Biased	19.657	19.606	-0.0513
7	3	Unbiased	19.668	19.691	0.0229
8	3	Unbiased	19.809	19.8	-0.009
9	3	Unbiased	19.771	19.757	-0.0143
10	3	Unbiased	19.655	19.625	-0.0301
11	3	Unbiased	19.87	19.839	-0.0304
12	10	Unbiased	20.069	19.945	-0.1234
13	10	Unbiased	19.941	19.81	-0.1311
14	10	Unbiased	19.971	19.898	-0.0728
15	10	Unbiased	20.021	19.895	-0.126
16	10	Unbiased	19.745	19.678	-0.0673
17	10	Biased	19.684	19.452	-0.2316
18	10	Biased	19.716	19.542	-0.1734
19	10	Biased	20.252	19.969	-0.2826
20	10	Biased	19.819	19.566	-0.253
21	10	Biased	19.907	19.659	-0.2478
22	30	Biased	19.955	19.577	-0.3778
23	30	Biased	20.018	19.595	-0.4229
24	30	Biased	19.986	19.659	-0.3275
25	30	Biased	19.758	19.415	-0.3432
26	30	Biased	19.822	19.5	-0.322
27	30	Unbiased	19.915	19.701	-0.2134
28	30	Unbiased	20.058	19.773	-0.2851
29	30	Unbiased	19.875	19.659	-0.216
30	30	Unbiased	19.825	19.564	-0.261
31	30	Unbiased	19.904	19.675	-0.2293
32	50	Biased	19.88	19.503	-0.3778
33	50	Biased	19.846	19.418	-0.4281
34	50	Biased	19.941	19.457	-0.4838
35	50	Biased	19.872	19.505	-0.3671
36	50	Biased	20.204	19.715	-0.4894
37	50	Unbiased	19.856	19.529	-0.3273
39	50	Unbiased	19.899	19.556	-0.3433
40	50	Unbiased	19.803	19.45	-0.3538
41	50	Unbiased	20.18	19.789	-0.3912
42	50	Unbiased	20.042	19.638	-0.4044
43	100	Biased	19.811	19.269	-0.5421
44	100	Biased	19.779	19.248	-0.5314
45	100	Biased	20.093	19.561	-0.5317
46	100	Biased	19.854	19.322	-0.5315
47	100	Biased	19.915	19.396	-0.5183
48	100	Unbiased	19.904	19.407	-0.4971
49	100	Unbiased	19.883	19.343	-0.5395
50	100	Unbiased	19.933	19.426	-0.5078
51	100	Unbiased	19.886	19.367	-0.5183
52	100	Unbiased	20.079	19.556	-0.5238
53	0	Correlation	19.87	19.826	-0.0436
54	0	Correlation	19.915	19.874	-0.041
55	0	Correlation	19.758	19.696	-0.0621
56	0	Correlation	19.901	19.863	-0.0383

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	19.758	19.861	19.915	0.071129	19.696	19.815	19.874	0.081733	-0.0621	-0.04625	-0.0383	0.010786
3	19.655	19.748	19.952	0.1009	19.606	19.717	19.871	0.094415	-0.0807	-0.03151	0.0229	0.028743
10	19.684	19.912	20.252	0.17747	19.452	19.741	19.969	0.18593	-0.2826	-0.1709	-0.0673	0.078198
30	19.758	19.912	20.058	0.094795	19.415	19.612	19.773	0.1041	-0.4229	-0.29982	-0.2134	0.07115
50	19.803	19.952	20.204	0.1417	19.418	19.556	19.789	0.12134	-0.4894	-0.39662	-0.3273	0.055774
100	19.779	19.914	20.093	0.10209	19.248	19.39	19.561	0.10555	-0.5421	-0.52415	-0.4971	0.014099

Device Test: 18.44; RESET_RNMOS





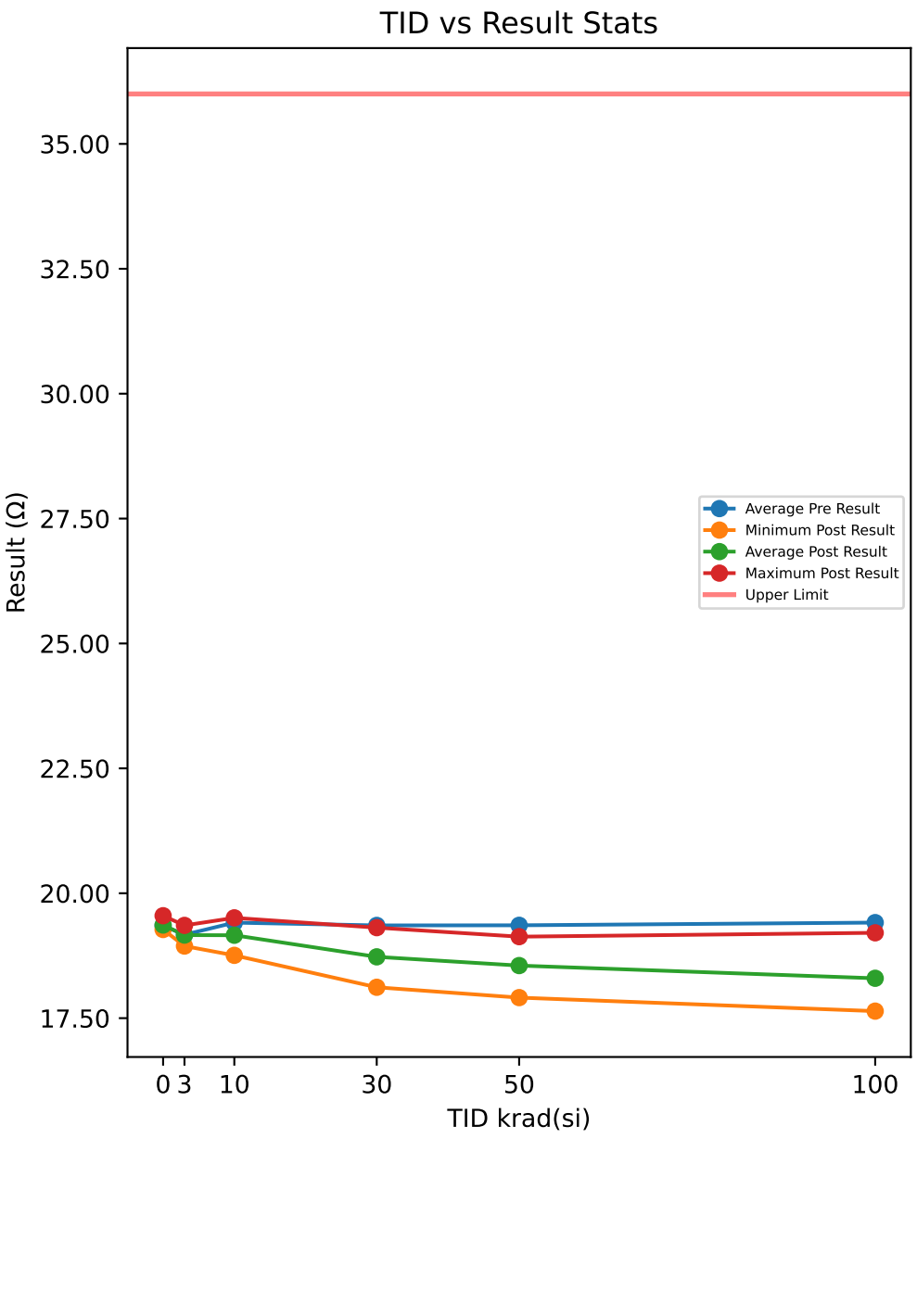
Test Results (Upper Limit = 36.0 (Ω))

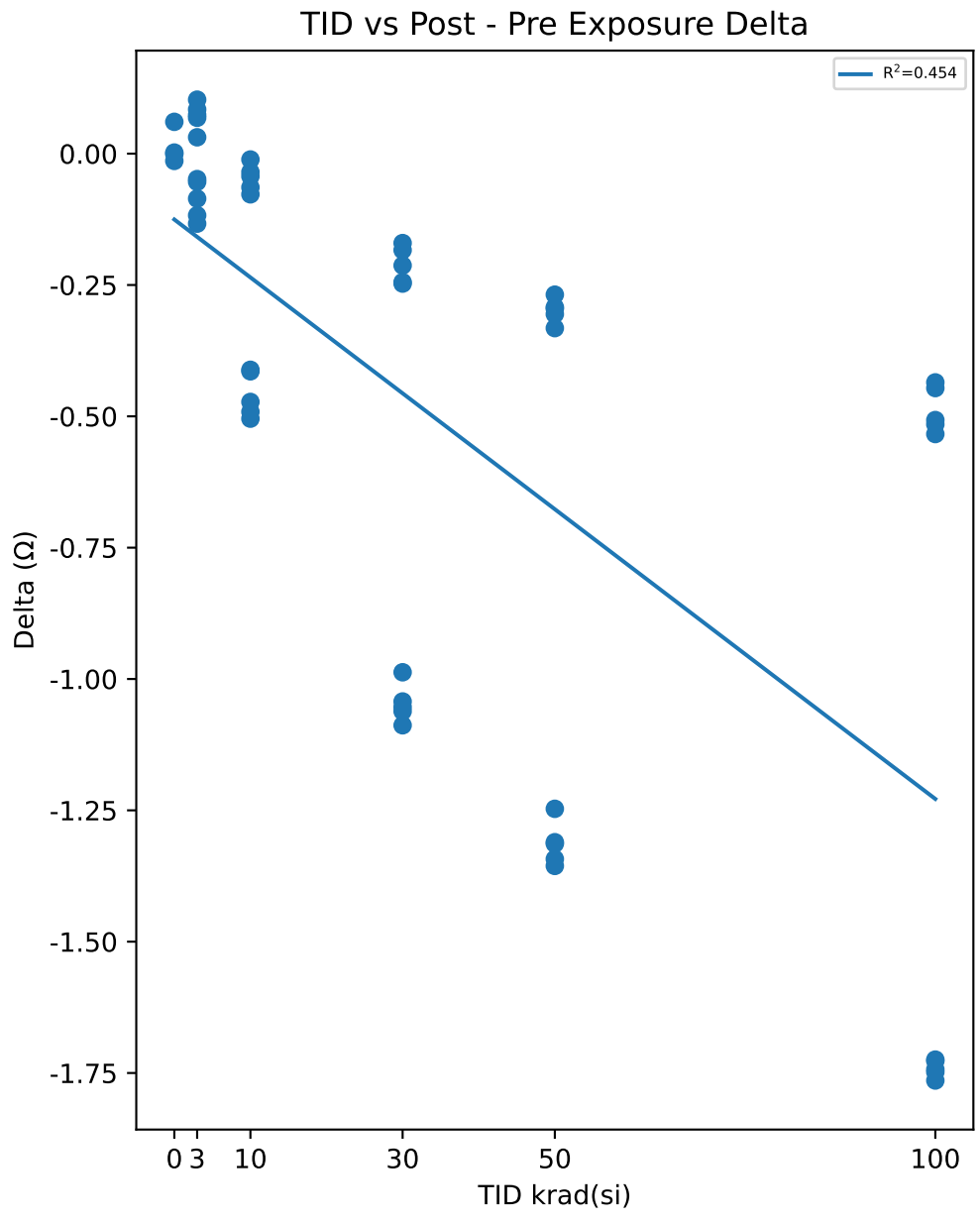
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	19.296	19.266	-0.0299
3	3	Biased	19.548	19.425	-0.1229
4	3	Biased	19.453	19.319	-0.1335
5	3	Biased	19.492	19.399	-0.0937
6	3	Biased	19.418	19.343	-0.0751
7	3	Unbiased	19.413	19.332	-0.0804
8	3	Unbiased	19.392	19.348	-0.0432
9	3	Unbiased	19.508	19.354	-0.1547
10	3	Unbiased	19.434	19.393	-0.0406
11	3	Unbiased	19.538	19.473	-0.0645
12	10	Unbiased	19.644	19.486	-0.1573
13	10	Unbiased	19.67	19.534	-0.1361
14	10	Unbiased	19.657	19.481	-0.1758
15	10	Unbiased	19.498	19.375	-0.1229
16	10	Unbiased	19.707	19.513	-0.1945
17	10	Biased	19.553	19.306	-0.2475
18	10	Biased	19.718	19.38	-0.3378
19	10	Biased	19.991	19.709	-0.282
20	10	Biased	19.538	19.234	-0.3033
21	10	Biased	19.596	19.338	-0.2581
22	30	Biased	19.726	19.311	-0.4146
23	30	Biased	19.713	19.317	-0.3961
24	30	Biased	19.609	19.189	-0.42
25	30	Biased	19.511	19.046	-0.465
26	30	Biased	19.575	19.131	-0.4438
27	30	Unbiased	19.609	19.33	-0.2794
28	30	Unbiased	19.617	19.338	-0.2793
29	30	Unbiased	19.487	19.216	-0.2713
30	30	Unbiased	19.559	19.237	-0.3218
31	30	Unbiased	19.856	19.571	-0.2846
32	50	Biased	19.604	19.16	-0.4439
33	50	Biased	19.474	18.985	-0.489
34	50	Biased	19.604	19.102	-0.5022
35	50	Biased	19.673	19.205	-0.4678
36	50	Biased	19.758	19.239	-0.5182
37	50	Unbiased	19.564	19.157	-0.4067
39	50	Unbiased	19.678	19.266	-0.412
40	50	Unbiased	19.641	19.221	-0.4199
41	50	Unbiased	19.599	19.197	-0.4014
42	50	Unbiased	19.651	19.218	-0.4332
43	100	Biased	19.758	19.165	-0.5925
44	100	Biased	19.551	18.937	-0.6136
45	100	Biased	19.665	19.094	-0.5712
46	100	Biased	19.67	19.096	-0.5738
47	100	Biased	19.758	19.232	-0.5261
48	100	Unbiased	19.521	18.945	-0.5765
49	100	Unbiased	19.46	18.858	-0.603
50	100	Unbiased	19.564	19.011	-0.5526
51	100	Unbiased	19.856	19.239	-0.6163
52	100	Unbiased	19.678	19.117	-0.5606
53	0	Correlation	19.599	19.478	-0.1202
54	0	Correlation	19.628	19.481	-0.1467
55	0	Correlation	19.543	19.465	-0.0778
56	0	Correlation	19.75	19.598	-0.152

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	19.543	19.63	19.75	0.087424	19.465	19.506	19.598	0.061863	-0.152	-0.12418	-0.0778	0.033902
3	19.296	19.449	19.548	0.07621	19.266	19.365	19.473	0.058759	-0.1547	-0.08385	-0.0299	0.042168
10	19.498	19.657	19.991	0.13838	19.234	19.436	19.709	0.13696	-0.3378	-0.22153	-0.1229	0.074421
30	19.487	19.626	19.856	0.11089	19.046	19.268	19.571	0.14255	-0.465	-0.35759	-0.2713	0.077384
50	19.474	19.624	19.758	0.075902	18.985	19.175	19.266	0.081611	-0.5182	-0.44943	-0.4014	0.042318
100	19.46	19.648	19.856	0.1232	18.858	19.069	19.239	0.12879	-0.6163	-0.57862	-0.5261	0.028428

Device Test: 18.45; RESET_RNMOS





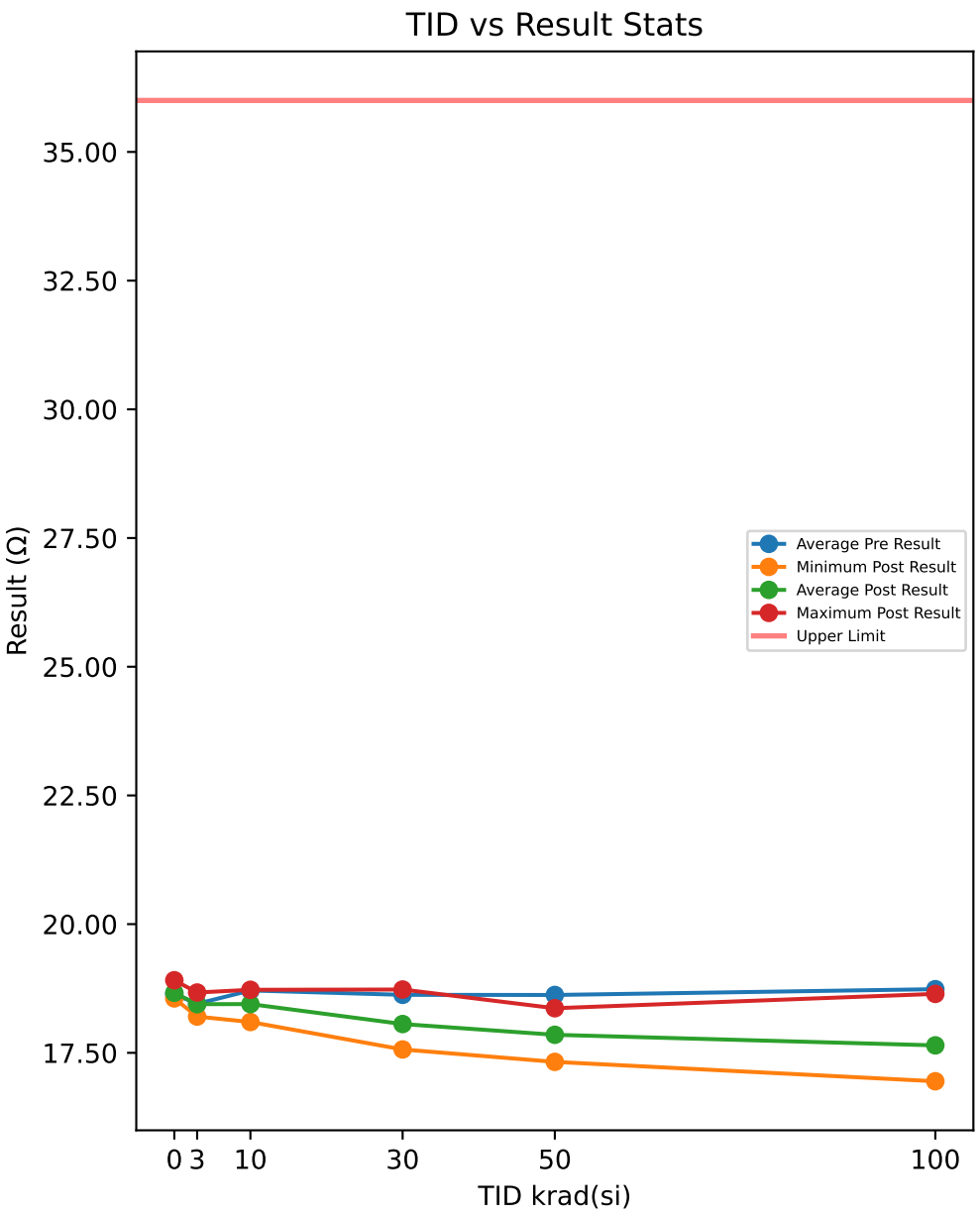
Test Results (Upper Limit = 36.0 (Ω))

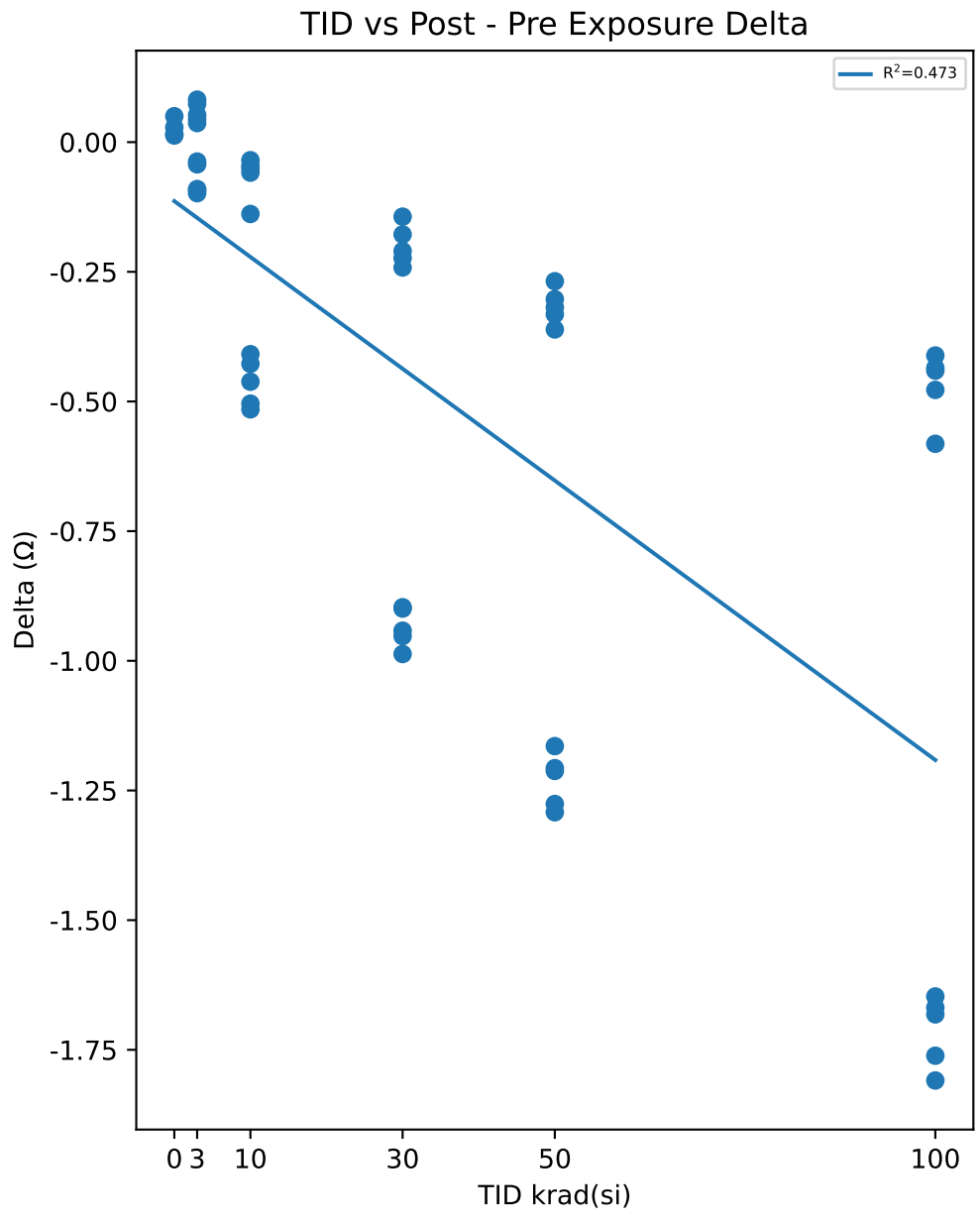
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	19.063	19.015	-0.0484
3	3	Biased	19.307	19.174	-0.1332
4	3	Biased	19.06	18.943	-0.1174
5	3	Biased	19.27	19.216	-0.0536
6	3	Biased	19.103	19.017	-0.0856
7	3	Unbiased	19.026	19.11	0.0842
8	3	Unbiased	19.161	19.229	0.0683
9	3	Unbiased	19.325	19.357	0.0312
10	3	Unbiased	19.14	19.213	0.0736
11	3	Unbiased	19.248	19.351	0.1028
12	10	Unbiased	19.434	19.399	-0.0349
13	10	Unbiased	19.519	19.508	-0.0111
14	10	Unbiased	19.339	19.261	-0.0774
15	10	Unbiased	19.317	19.274	-0.043
16	10	Unbiased	19.442	19.378	-0.0641
17	10	Biased	19.392	18.887	-0.5044
18	10	Biased	19.397	18.924	-0.4726
19	10	Biased	19.715	19.304	-0.4114
20	10	Biased	19.248	18.757	-0.4913
21	10	Biased	19.317	18.903	-0.4143
22	30	Biased	19.45	18.396	-1.0534
23	30	Biased	19.468	18.426	-1.0428
24	30	Biased	19.291	18.304	-0.9872
25	30	Biased	19.206	18.118	-1.0881
26	30	Biased	19.352	18.29	-1.0615
27	30	Unbiased	19.315	19.145	-0.1702
28	30	Unbiased	19.341	19.158	-0.1836
29	30	Unbiased	19.233	18.985	-0.2473
30	30	Unbiased	19.352	19.139	-0.2128
31	30	Unbiased	19.556	19.311	-0.2445
32	50	Biased	19.349	18.102	-1.2471
33	50	Biased	19.254	17.911	-1.3427
34	50	Biased	19.296	17.983	-1.3135
35	50	Biased	19.474	18.118	-1.3558
36	50	Biased	19.455	18.145	-1.3107
37	50	Unbiased	19.243	18.948	-0.295
39	50	Unbiased	19.355	19.049	-0.3055
40	50	Unbiased	19.4	19.131	-0.2684
41	50	Unbiased	19.416	19.083	-0.3321
42	50	Unbiased	19.347	19.054	-0.2923
43	100	Biased	19.625	17.877	-1.7483
44	100	Biased	19.384	17.641	-1.7431
45	100	Biased	19.423	17.696	-1.7271
46	100	Biased	19.437	17.672	-1.7643
47	100	Biased	19.468	17.744	-1.7245
48	100	Unbiased	19.243	18.728	-0.5152
49	100	Unbiased	19.262	18.728	-0.5337
50	100	Unbiased	19.238	18.792	-0.4462
51	100	Unbiased	19.643	19.208	-0.4354
52	100	Unbiased	19.402	18.895	-0.5071
53	0	Correlation	19.288	19.274	-0.0138
54	0	Correlation	19.355	19.357	0.0021
55	0	Correlation	19.275	19.274	-0.0006
56	0	Correlation	19.49	19.55	0.0606

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	19.275	19.352	19.49	0.098263	19.274	19.364	19.55	0.13015	-0.0138	0.012075	0.0606	0.033087
3	19.026	19.17	19.325	0.10994	18.943	19.162	19.357	0.14039	-0.1332	-0.00781	0.1028	0.089549
10	19.248	19.412	19.715	0.13135	18.757	19.16	19.508	0.26411	-0.5044	-0.25245	-0.0111	0.22011
30	19.206	19.356	19.556	0.1082	18.118	18.727	19.311	0.45688	-1.0881	-0.62914	-0.1702	0.44135
50	19.243	19.359	19.474	0.078856	17.911	18.552	19.131	0.53394	-1.3558	-0.80631	-0.2684	0.53606
100	19.238	19.413	19.643	0.14343	17.641	18.298	19.208	0.62079	-1.7643	-1.1145	-0.4354	0.66162

Device Test: 18.46; RESET_RNMOS





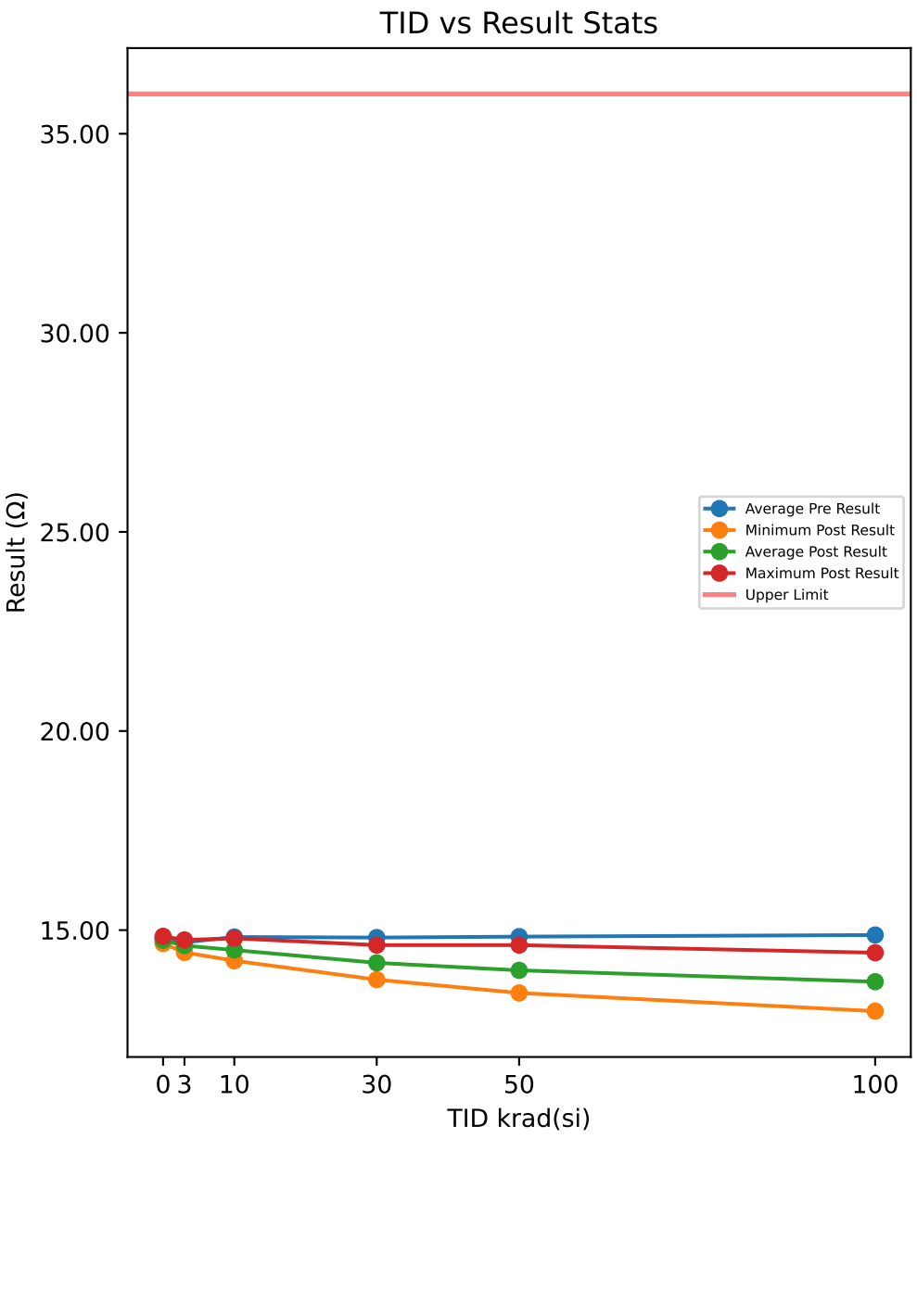
Test Results (Upper Limit = 36.0 (Ω))

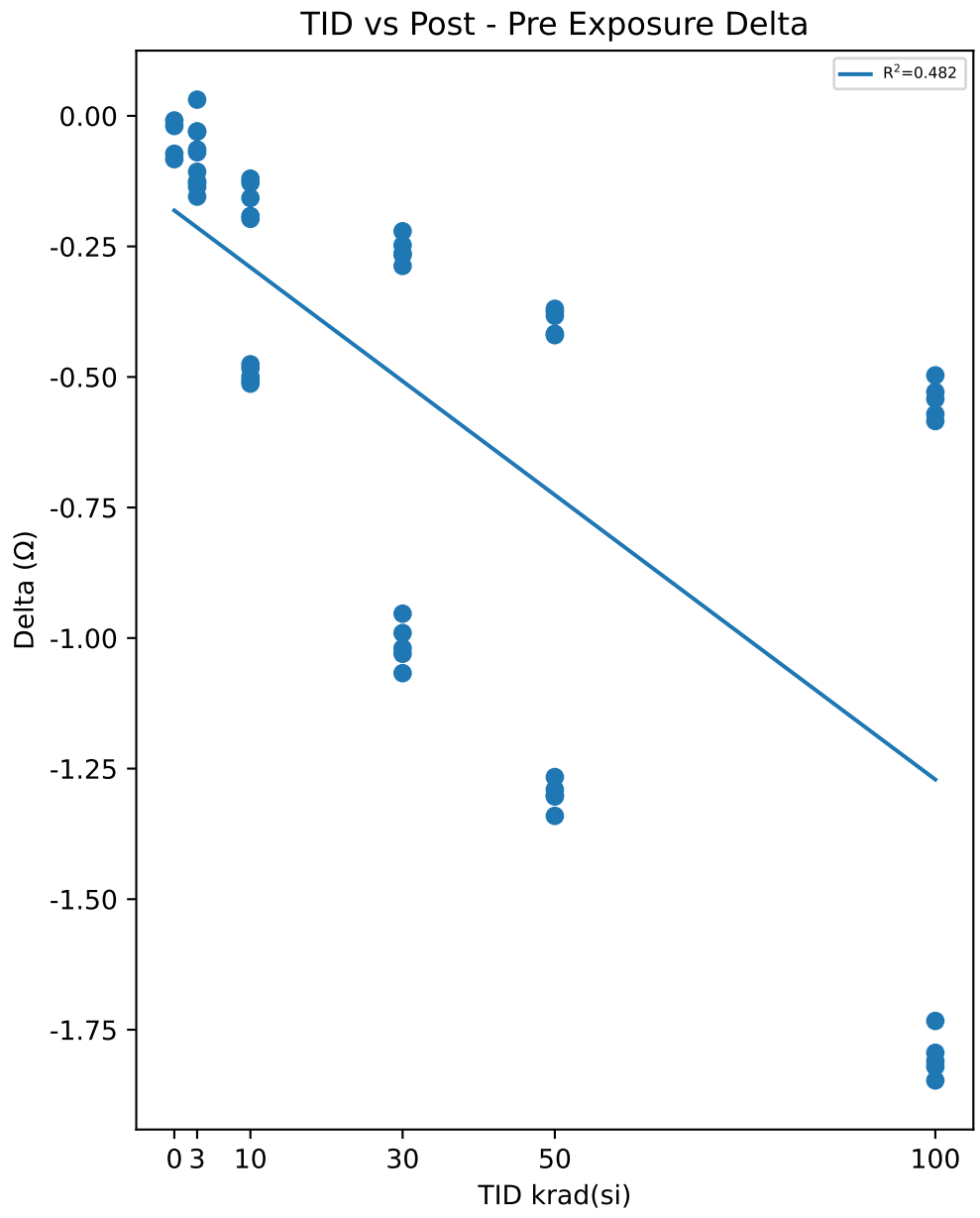
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	18.343	18.305	-0.0374
3	3	Biased	18.661	18.568	-0.0933
4	3	Biased	18.295	18.205	-0.0904
5	3	Biased	18.571	18.528	-0.0428
6	3	Biased	18.322	18.223	-0.0984
7	3	Unbiased	18.295	18.34	0.0449
8	3	Unbiased	18.433	18.47	0.0368
9	3	Unbiased	18.574	18.648	0.0738
10	3	Unbiased	18.412	18.494	0.0819
11	3	Unbiased	18.619	18.672	0.0526
12	10	Unbiased	18.696	18.65	-0.0456
13	10	Unbiased	18.725	18.666	-0.0588
14	10	Unbiased	18.584	18.534	-0.0508
15	10	Unbiased	18.513	18.478	-0.0348
16	10	Unbiased	18.863	18.724	-0.1385
17	10	Biased	18.722	18.314	-0.4088
18	10	Biased	18.757	18.295	-0.4619
19	10	Biased	19.001	18.486	-0.5152
20	10	Biased	18.603	18.099	-0.5042
21	10	Biased	18.651	18.223	-0.4274
22	30	Biased	18.691	17.738	-0.9525
23	30	Biased	18.744	17.802	-0.9419
24	30	Biased	18.542	17.645	-0.8967
25	30	Biased	18.552	17.566	-0.9869
26	30	Biased	18.558	17.659	-0.8993
27	30	Unbiased	18.619	18.409	-0.21
28	30	Unbiased	18.64	18.496	-0.1437
29	30	Unbiased	18.454	18.213	-0.2417
30	30	Unbiased	18.513	18.335	-0.178
31	30	Unbiased	18.953	18.73	-0.2234
32	50	Biased	18.635	17.428	-1.207
33	50	Biased	18.521	17.356	-1.1645
34	50	Biased	18.537	17.324	-1.2123
35	50	Biased	18.754	17.478	-1.2761
36	50	Biased	18.749	17.457	-1.292
37	50	Unbiased	18.478	18.21	-0.2682
39	50	Unbiased	18.698	18.366	-0.332
40	50	Unbiased	18.611	18.292	-0.3187
41	50	Unbiased	18.661	18.3	-0.3611
42	50	Unbiased	18.595	18.292	-0.3028
43	100	Biased	18.974	17.165	-1.8092
44	100	Biased	18.63	16.948	-1.6817
45	100	Biased	18.664	16.995	-1.6685
46	100	Biased	18.648	17.001	-1.6472
47	100	Biased	18.951	17.189	-1.7614
48	100	Unbiased	18.494	18.059	-0.4353
49	100	Unbiased	18.598	18.186	-0.4114
50	100	Unbiased	18.531	18.091	-0.4406
51	100	Unbiased	19.227	18.645	-0.5816
52	100	Unbiased	18.648	18.17	-0.4777
53	0	Correlation	18.521	18.571	0.05
54	0	Correlation	18.611	18.626	0.0155
55	0	Correlation	18.545	18.557	0.0128
56	0	Correlation	18.881	18.91	0.0286

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	18.521	18.639	18.881	0.16583	18.557	18.666	18.91	0.16536	0.0128	0.026725	0.05	0.016982
3	18.295	18.452	18.661	0.14172	18.205	18.445	18.672	0.16826	-0.0984	-0.00723	0.0819	0.072693
10	18.513	18.711	19.001	0.14163	18.099	18.447	18.724	0.2078	-0.5152	-0.2646	-0.0348	0.21374
30	18.454	18.627	18.953	0.14326	17.566	18.059	18.73	0.42265	-0.9869	-0.56741	-0.1437	0.38965
50	18.478	18.624	18.754	0.094393	17.324	17.85	18.366	0.46921	-1.292	-0.77347	-0.2682	0.48345
100	18.494	18.736	19.227	0.23451	16.948	17.645	18.645	0.64114	-1.8092	-1.0915	-0.4114	0.65891

Device Test: 18.47; PWRGD_RNMOS





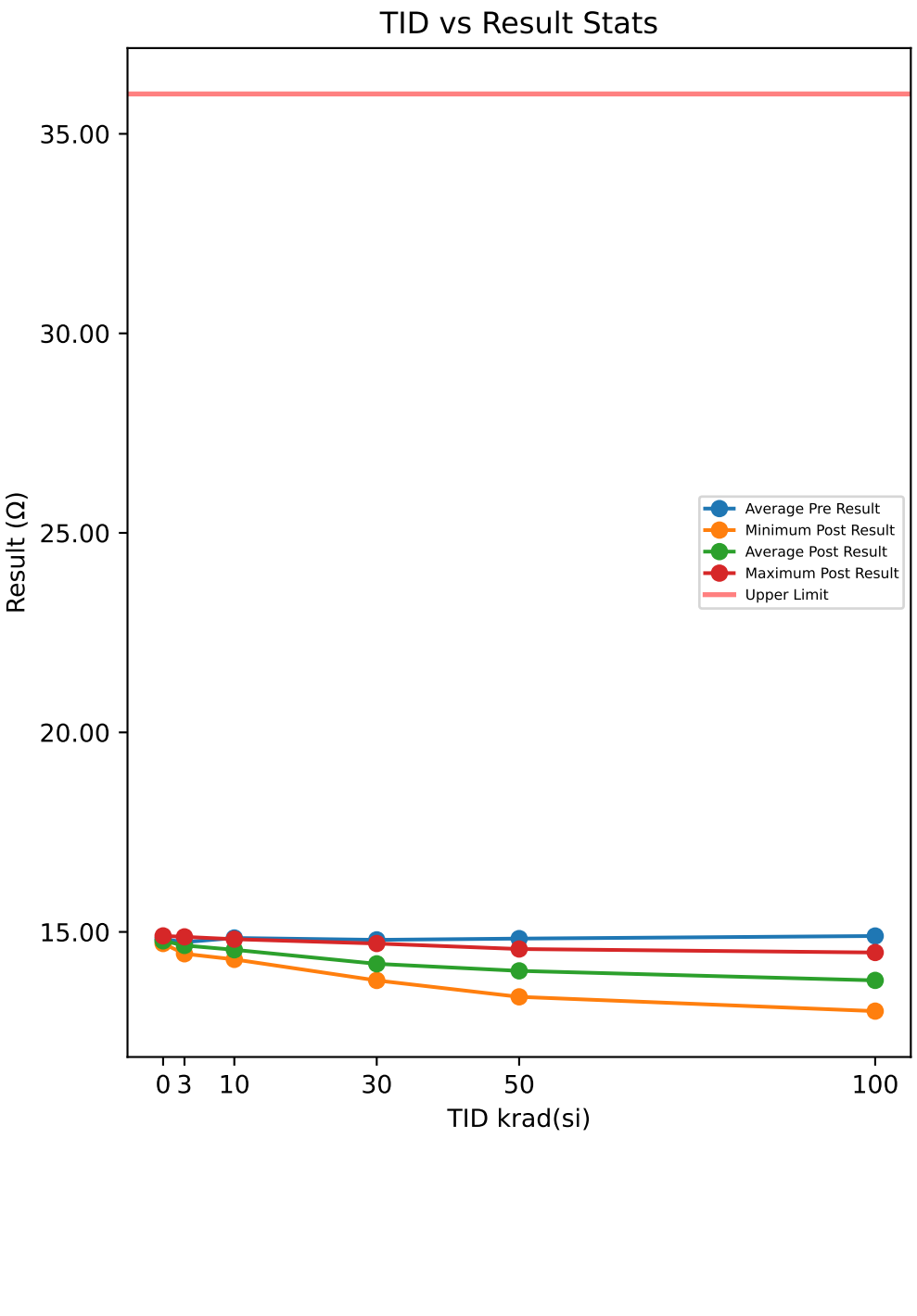
Test Results (Upper Limit = 36.0 (Ω))

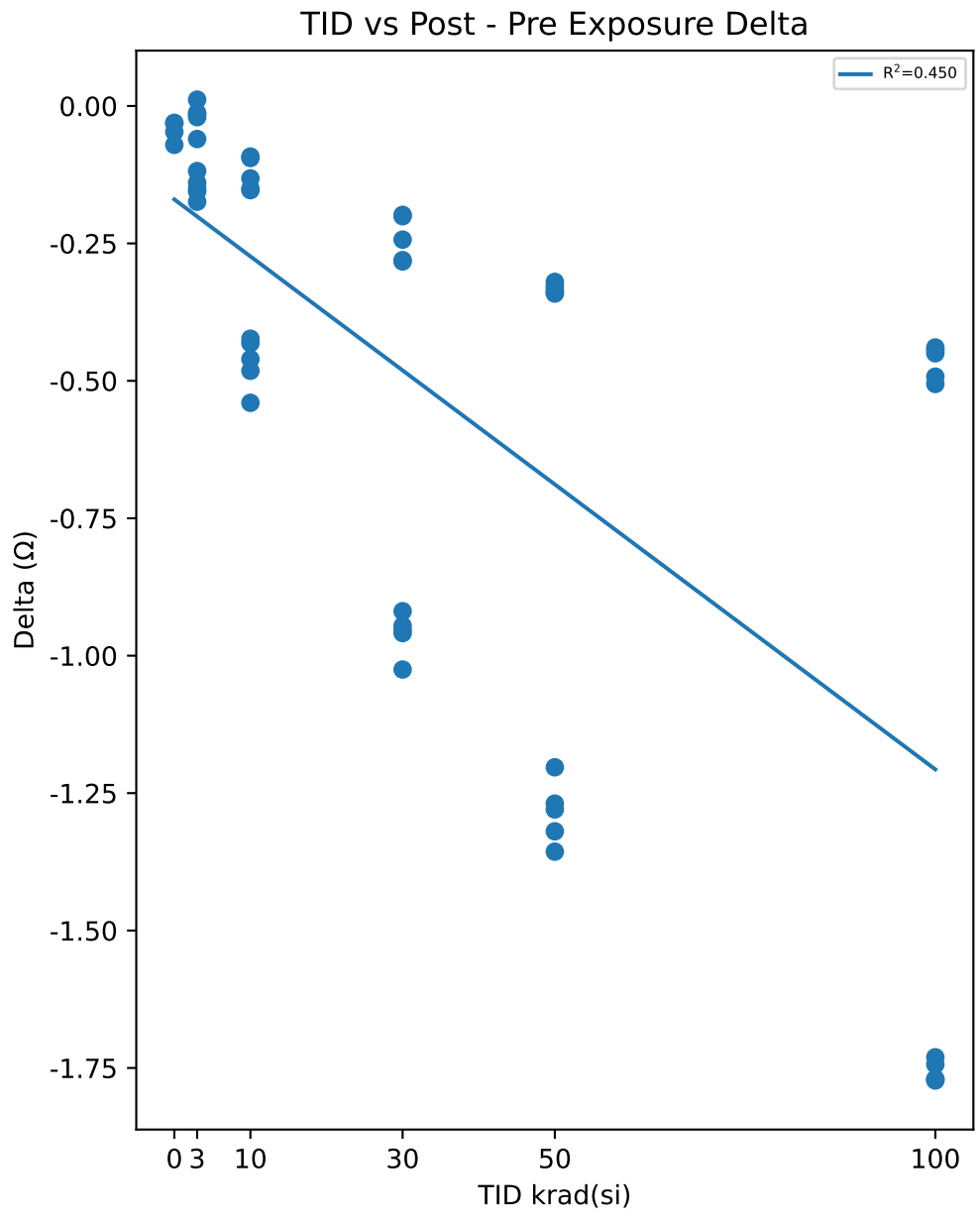
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	14.603	14.496	-0.107
3	3	Biased	14.738	14.612	-0.1255
4	3	Biased	14.576	14.44	-0.1361
5	3	Biased	14.717	14.589	-0.1281
6	3	Biased	14.634	14.48	-0.1547
7	3	Unbiased	14.722	14.658	-0.0645
8	3	Unbiased	14.65	14.681	0.031
9	3	Unbiased	14.81	14.74	-0.0698
10	3	Unbiased	14.783	14.753	-0.03
11	3	Unbiased	14.682	14.652	-0.03
12	10	Unbiased	14.921	14.729	-0.1918
13	10	Unbiased	14.921	14.793	-0.1282
14	10	Unbiased	14.764	14.567	-0.1972
15	10	Unbiased	14.796	14.676	-0.1202
16	10	Unbiased	14.847	14.689	-0.1573
17	10	Biased	14.802	14.318	-0.4836
18	10	Biased	14.73	14.23	-0.4996
19	10	Biased	14.905	14.398	-0.5075
20	10	Biased	14.78	14.268	-0.5128
21	10	Biased	14.796	14.321	-0.4757
22	30	Biased	14.754	13.764	-0.9903
23	30	Biased	14.791	13.771	-1.0195
24	30	Biased	14.913	13.883	-1.0301
25	30	Biased	14.889	13.822	-1.0672
26	30	Biased	14.709	13.755	-0.9533
27	30	Unbiased	14.815	14.551	-0.2635
28	30	Unbiased	14.836	14.615	-0.221
29	30	Unbiased	14.73	14.443	-0.2874
30	30	Unbiased	14.818	14.551	-0.2661
31	30	Unbiased	14.871	14.623	-0.2476
32	50	Biased	14.863	13.522	-1.3405
33	50	Biased	14.823	13.557	-1.2662
34	50	Biased	14.725	13.421	-1.3034
35	50	Biased	14.746	13.445	-1.3008
36	50	Biased	14.879	13.588	-1.2901
37	50	Unbiased	14.757	14.382	-0.3749
39	50	Unbiased	14.91	14.493	-0.4173
40	50	Unbiased	15.043	14.623	-0.42
41	50	Unbiased	14.788	14.419	-0.3695
42	50	Unbiased	14.825	14.443	-0.3829
43	100	Biased	15.046	13.198	-1.8472
44	100	Biased	14.775	12.965	-1.8101
45	100	Biased	14.825	13.092	-1.7332
46	100	Biased	15.014	13.193	-1.8207
47	100	Biased	14.892	13.098	-1.7942
48	100	Unbiased	14.735	14.238	-0.4969
49	100	Unbiased	14.82	14.236	-0.5845
50	100	Unbiased	14.894	14.323	-0.5711
51	100	Unbiased	14.799	14.257	-0.542
52	100	Unbiased	14.961	14.432	-0.5288
53	0	Correlation	14.852	14.843	-0.0088
54	0	Correlation	14.735	14.663	-0.0725
55	0	Correlation	14.762	14.679	-0.083
56	0	Correlation	14.81	14.79	-0.0194

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	14.735	14.79	14.852	0.051688	14.663	14.744	14.843	0.087215	-0.083	-0.045925	-0.0088	0.03725
3	14.576	14.692	14.81	0.076205	14.44	14.61	14.753	0.10843	-0.1547	-0.08147	0.031	0.059146
10	14.73	14.826	14.921	0.06844	14.23	14.499	14.793	0.214	-0.5128	-0.32739	-0.1202	0.17942
30	14.709	14.812	14.913	0.067822	13.755	14.178	14.623	0.40379	-1.0672	-0.6346	-0.221	0.39926
50	14.725	14.836	15.043	0.094448	13.421	13.989	14.623	0.5147	-1.3405	-0.84656	-0.3695	0.47878
100	14.735	14.876	15.046	0.10388	12.965	13.703	14.432	0.63177	-1.8472	-1.1729	-0.4969	0.6632

Device Test: 18.48; WDO_RNMOS





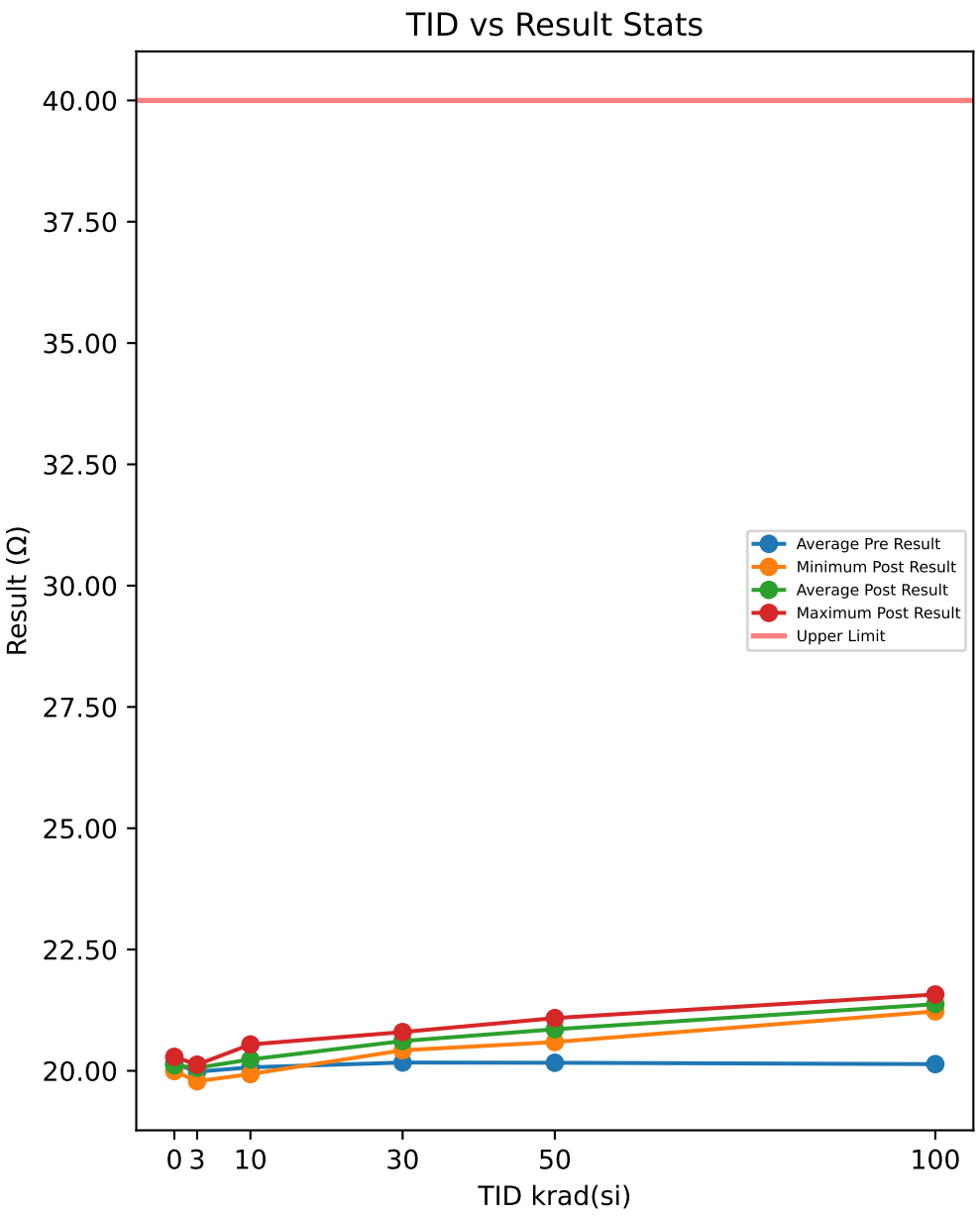
Test Results (Upper Limit = 36.0 (Ω))

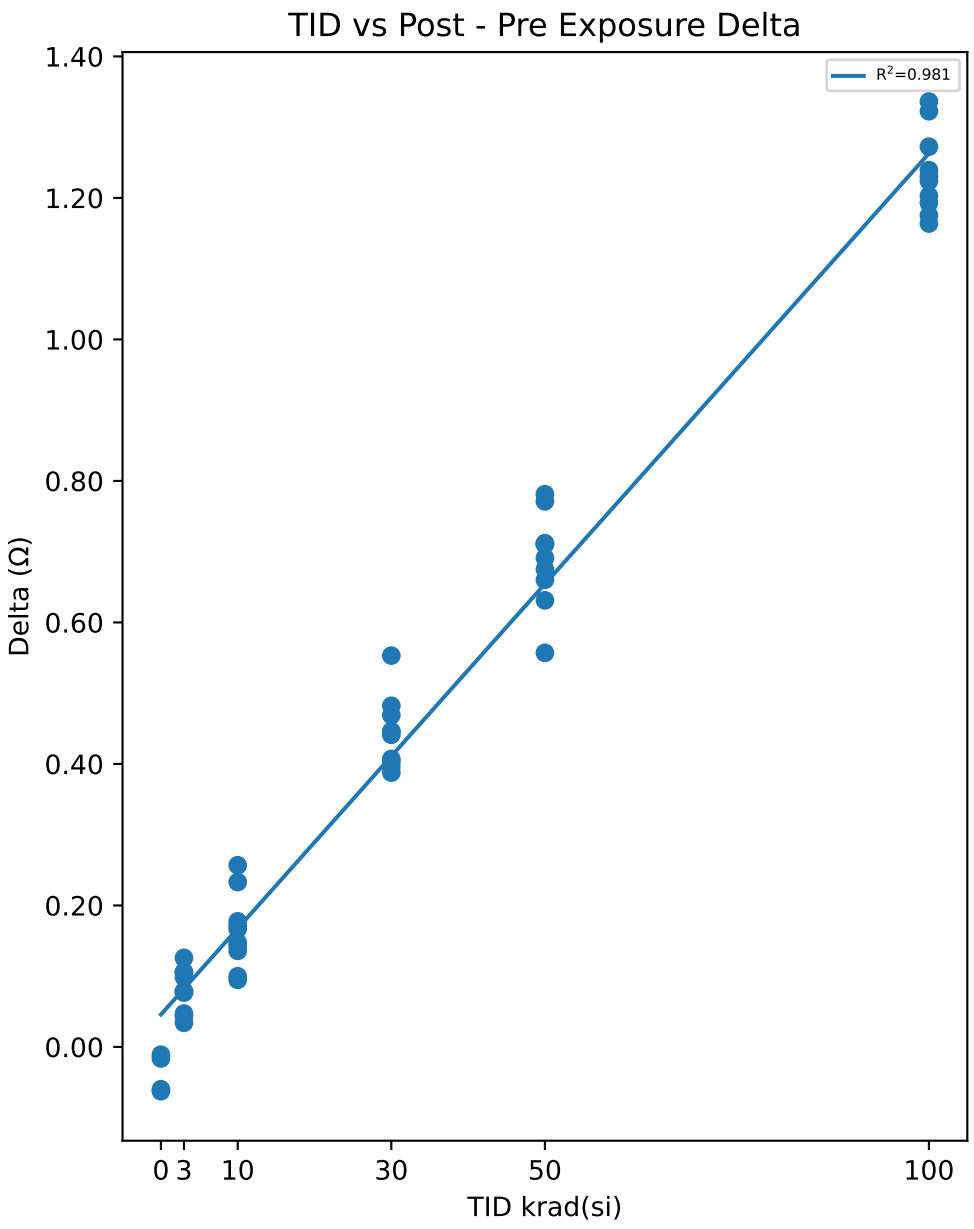
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	14.65	14.5	-0.1501
3	3	Biased	14.838	14.664	-0.1741
4	3	Biased	14.591	14.452	-0.1394
5	3	Biased	14.714	14.595	-0.1184
6	3	Biased	14.727	14.571	-0.1555
7	3	Unbiased	14.764	14.775	0.0115
8	3	Unbiased	14.775	14.714	-0.0601
9	3	Unbiased	14.889	14.876	-0.0124
10	3	Unbiased	14.756	14.741	-0.0151
11	3	Unbiased	14.738	14.717	-0.0203
12	10	Unbiased	14.873	14.781	-0.092
13	10	Unbiased	14.801	14.707	-0.0946
14	10	Unbiased	14.751	14.601	-0.1503
15	10	Unbiased	14.814	14.683	-0.1317
16	10	Unbiased	14.971	14.818	-0.1531
17	10	Biased	14.934	14.502	-0.4314
18	10	Biased	14.83	14.37	-0.4605
19	10	Biased	14.825	14.402	-0.4234
20	10	Biased	14.889	14.349	-0.54
21	10	Biased	14.793	14.312	-0.4817
22	30	Biased	14.761	13.816	-0.9456
23	30	Biased	14.775	13.816	-0.9588
24	30	Biased	14.783	13.864	-0.9191
25	30	Biased	14.809	13.784	-1.0252
26	30	Biased	14.793	13.84	-0.9536
27	30	Unbiased	14.822	14.579	-0.2431
28	30	Unbiased	14.87	14.672	-0.1981
29	30	Unbiased	14.748	14.465	-0.2828
30	30	Unbiased	14.661	14.46	-0.2005
31	30	Unbiased	14.99	14.709	-0.2804
32	50	Biased	14.838	13.569	-1.2691
33	50	Biased	14.822	13.543	-1.2797
34	50	Biased	14.729	13.373	-1.3565
35	50	Biased	14.822	13.503	-1.3195
36	50	Biased	14.944	13.742	-1.203
37	50	Unbiased	14.724	14.391	-0.3331
39	50	Unbiased	14.825	14.486	-0.3386
40	50	Unbiased	14.836	14.516	-0.32
41	50	Unbiased	14.913	14.571	-0.3412
42	50	Unbiased	14.873	14.545	-0.328
43	100	Biased	15.013	13.283	-1.7306
44	100	Biased	14.788	13.015	-1.7728
45	100	Biased	14.867	13.124	-1.7437
46	100	Biased	14.952	13.182	-1.7703
47	100	Biased	15.024	13.254	-1.7704
48	100	Unbiased	14.772	14.327	-0.4446
49	100	Unbiased	14.812	14.373	-0.4393
50	100	Unbiased	14.86	14.41	-0.4499
51	100	Unbiased	14.976	14.484	-0.4924
52	100	Unbiased	14.91	14.404	-0.5057
53	0	Correlation	14.812	14.781	-0.031
54	0	Correlation	14.74	14.709	-0.0309
55	0	Correlation	14.783	14.712	-0.0707
56	0	Correlation	14.947	14.9	-0.047

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	14.74	14.82	14.947	0.08945	14.709	14.775	14.9	0.089431	-0.0707	-0.0449	-0.0309	0.018791
3	14.591	14.744	14.889	0.084776	14.452	14.661	14.876	0.13076	-0.1741	-0.08339	0.0115	0.07108
10	14.751	14.848	14.971	0.067796	14.312	14.552	14.818	0.18967	-0.54	-0.29587	-0.092	0.18453
30	14.661	14.801	14.99	0.08569	13.784	14.2	14.709	0.4049	-1.0252	-0.60072	-0.1981	0.38109
50	14.724	14.833	14.944	0.069301	13.373	14.024	14.571	0.5137	-1.3565	-0.80887	-0.32	0.50398
100	14.772	14.897	15.024	0.092069	13.015	13.786	14.484	0.65229	-1.7728	-1.112	-0.4393	0.68093

Device Test: 18.5; PWRGD_RPMOS_LOW_V





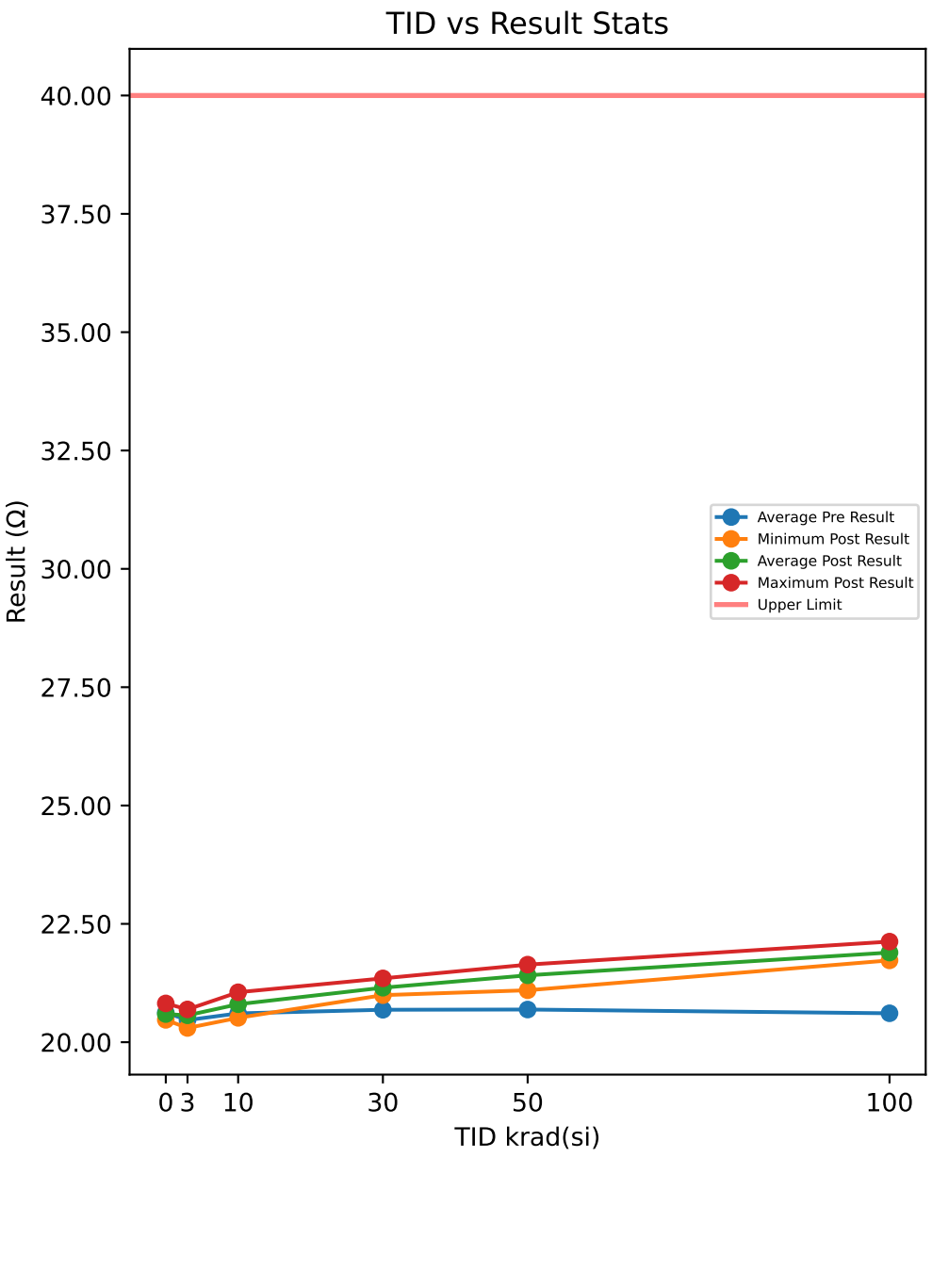
Test Results (Upper Limit = 40.0 (Ω))

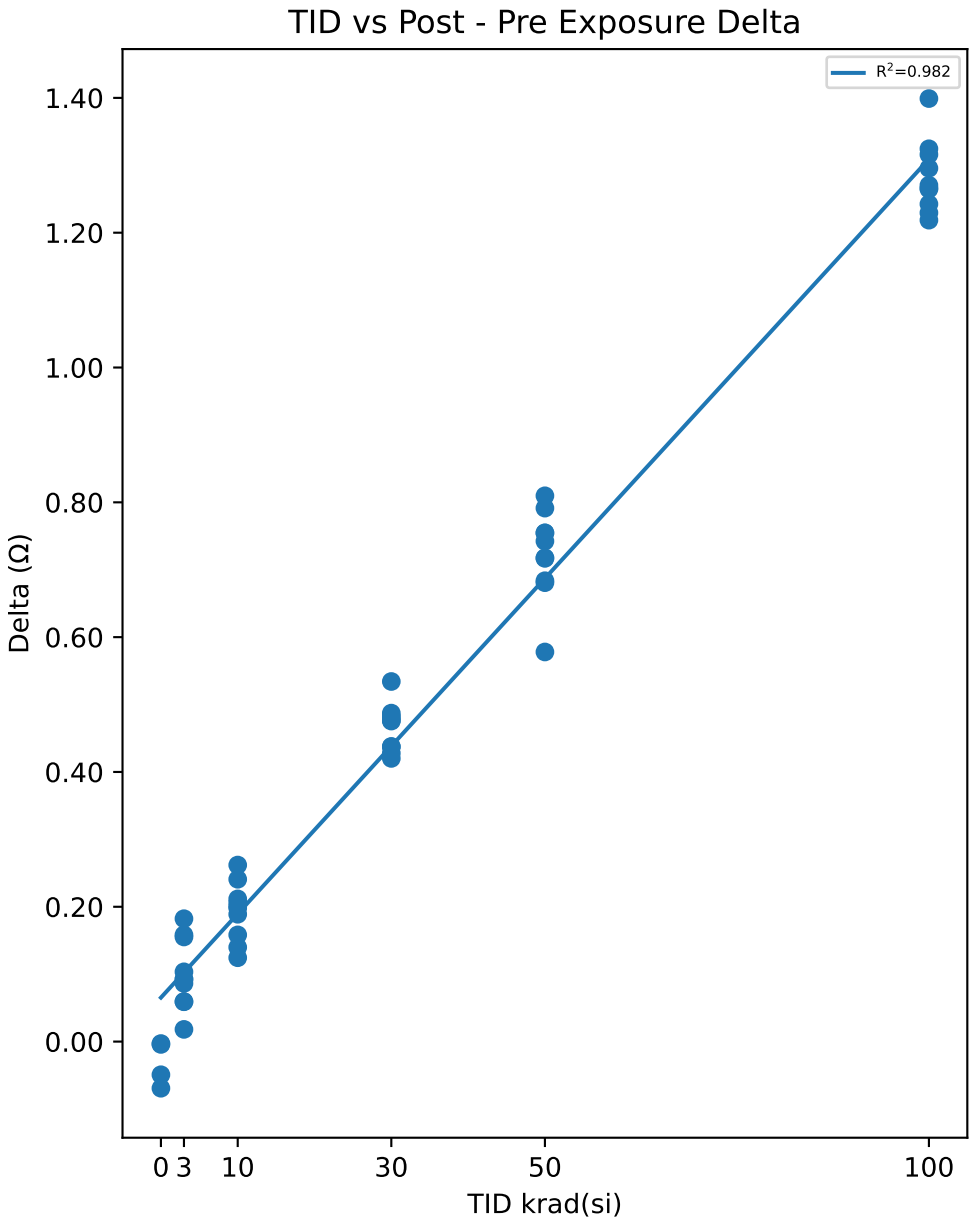
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	19.992	20.097	0.1051
3	3	Biased	19.989	20.115	0.1259
4	3	Biased	19.706	19.785	0.0784
5	3	Biased	20.05	20.127	0.0768
6	3	Biased	19.967	20.073	0.106
7	3	Unbiased	20.065	20.109	0.0435
8	3	Unbiased	19.997	20.044	0.0472
9	3	Unbiased	19.994	20.093	0.0986
10	3	Unbiased	19.983	20.062	0.0782
11	3	Unbiased	20.082	20.116	0.0341
12	10	Unbiased	20.205	20.348	0.1428
13	10	Unbiased	20.31	20.543	0.233
14	10	Unbiased	20.193	20.37	0.1775
15	10	Unbiased	20.058	20.194	0.1358
16	10	Unbiased	19.954	20.049	0.0948
17	10	Biased	19.956	20.128	0.1715
18	10	Biased	20.059	20.316	0.2568
19	10	Biased	19.833	19.933	0.0999
20	10	Biased	20.019	20.166	0.1477
21	10	Biased	20.129	20.295	0.1667
22	30	Biased	20.094	20.49	0.3961
23	30	Biased	20.412	20.799	0.3877
24	30	Biased	20.206	20.759	0.5531
25	30	Biased	19.954	20.423	0.4689
26	30	Biased	20.02	20.423	0.4036
27	30	Unbiased	20.224	20.67	0.4461
28	30	Unbiased	20.21	20.651	0.4412
29	30	Unbiased	20.272	20.718	0.4453
30	30	Unbiased	20.21	20.693	0.4822
31	30	Unbiased	20.107	20.514	0.4071
32	50	Biased	20.207	20.919	0.712
33	50	Biased	20.006	20.681	0.675
34	50	Biased	20.306	21.087	0.7812
35	50	Biased	20.215	20.986	0.7711
36	50	Biased	20.311	20.971	0.6602
37	50	Unbiased	20.135	20.846	0.7109
39	50	Unbiased	20.015	20.706	0.6912
40	50	Unbiased	20.036	20.593	0.557
41	50	Unbiased	20.219	20.93	0.7103
42	50	Unbiased	20.211	20.842	0.6312
43	100	Biased	20.2	21.43	1.2303
44	100	Biased	19.94	21.263	1.3225
45	100	Biased	20.238	21.574	1.3362
46	100	Biased	20.093	21.317	1.2238
47	100	Biased	20.128	21.321	1.1928
48	100	Unbiased	20.108	21.347	1.2393
49	100	Unbiased	20.056	21.329	1.2724
50	100	Unbiased	20.273	21.448	1.1753
51	100	Unbiased	20.021	21.224	1.203
52	100	Unbiased	20.324	21.487	1.1638
53	0	Correlation	20.091	20.075	-0.0163
54	0	Correlation	20.348	20.288	-0.0598
55	0	Correlation	20.058	19.995	-0.0626
56	0	Correlation	20.1	20.089	-0.011

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	20.058	20.149	20.348	0.13386	19.995	20.112	20.288	0.12477	-0.0626	-0.037425	-0.011	0.027562
3	19.706	19.983	20.082	0.10449	19.785	20.062	20.127	0.10089	0.0341	0.07938	0.1259	0.030342
10	19.833	20.072	20.31	0.14139	19.933	20.234	20.543	0.17639	0.0948	0.16265	0.2568	0.051649
30	19.954	20.171	20.412	0.1313	20.423	20.614	20.799	0.13949	0.3877	0.44313	0.5531	0.04994
50	20.006	20.166	20.311	0.11341	20.593	20.856	21.087	0.15475	0.557	0.69001	0.7812	0.065395
100	19.94	20.138	20.324	0.11963	21.224	21.374	21.574	0.10804	1.1638	1.2359	1.3362	0.058587

Device Test: 18.6; WDO_RPMOS_LOW_V





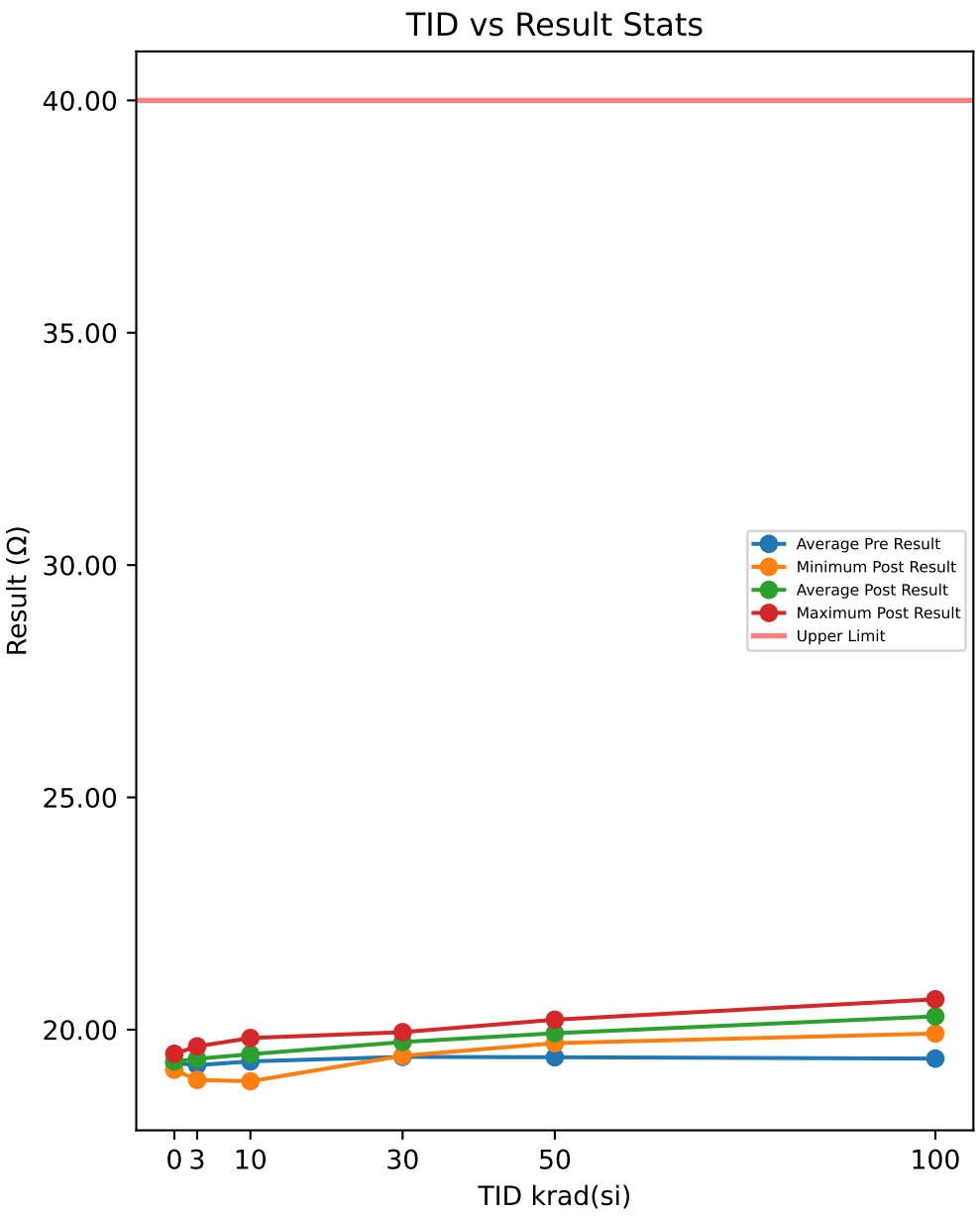
Test Results (Upper Limit = 40.0 (Ω))

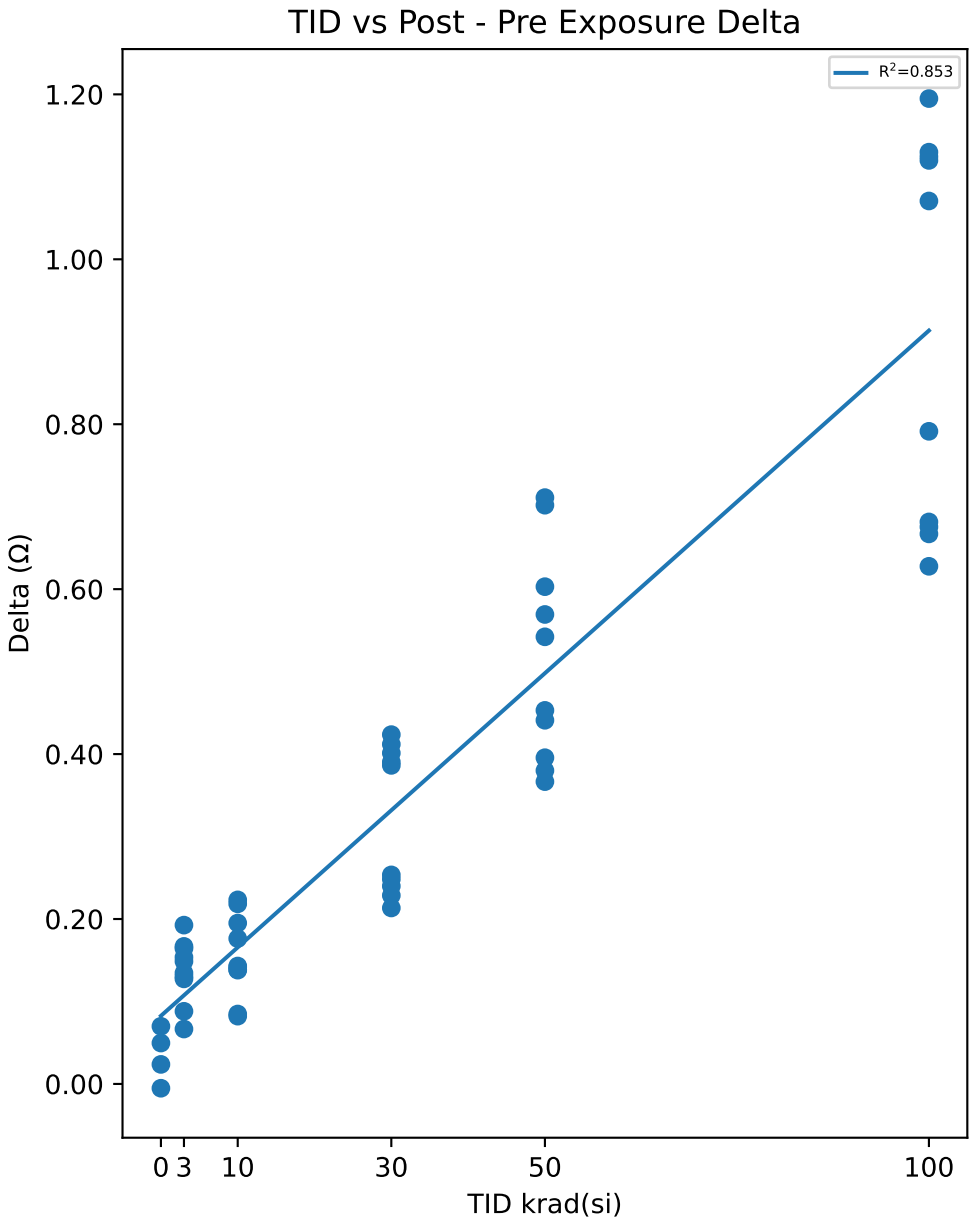
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	20.385	20.544	0.1583
3	3	Biased	20.43	20.585	0.1552
4	3	Biased	20.118	20.3	0.1823
5	3	Biased	20.6	20.692	0.0928
6	3	Biased	20.466	20.569	0.1035
7	3	Unbiased	20.623	20.682	0.0594
8	3	Unbiased	20.483	20.575	0.0924
9	3	Unbiased	20.438	20.497	0.0591
10	3	Unbiased	20.493	20.579	0.0863
11	3	Unbiased	20.637	20.655	0.0181
12	10	Unbiased	20.757	21.019	0.2619
13	10	Unbiased	20.854	21.055	0.2009
14	10	Unbiased	20.716	20.84	0.1244
15	10	Unbiased	20.547	20.735	0.1889
16	10	Unbiased	20.44	20.681	0.2408
17	10	Biased	20.477	20.675	0.1981
18	10	Biased	20.662	20.868	0.2063
19	10	Biased	20.375	20.514	0.1399
20	10	Biased	20.571	20.729	0.1583
21	10	Biased	20.692	20.903	0.2117
22	30	Biased	20.648	21.076	0.4278
23	30	Biased	20.866	21.349	0.4828
24	30	Biased	20.769	21.303	0.5342
25	30	Biased	20.507	20.994	0.4873
26	30	Biased	20.593	21.073	0.4804
27	30	Unbiased	20.71	21.148	0.4379
28	30	Unbiased	20.635	21.111	0.4755
29	30	Unbiased	20.745	21.182	0.437
30	30	Unbiased	20.736	21.213	0.4765
31	30	Unbiased	20.643	21.063	0.4201
32	50	Biased	20.669	21.386	0.7169
33	50	Biased	20.511	21.302	0.7914
34	50	Biased	20.829	21.639	0.8097
35	50	Biased	20.736	21.49	0.7547
36	50	Biased	20.908	21.589	0.6808
37	50	Unbiased	20.69	21.433	0.7424
39	50	Unbiased	20.567	21.321	0.7545
40	50	Unbiased	20.519	21.097	0.578
41	50	Unbiased	20.756	21.473	0.7177
42	50	Unbiased	20.716	21.399	0.6837
43	100	Biased	20.694	21.923	1.2295
44	100	Biased	20.429	21.753	1.3245
45	100	Biased	20.726	22.125	1.399
46	100	Biased	20.51	21.826	1.316
47	100	Biased	20.619	21.861	1.2425
48	100	Unbiased	20.57	21.84	1.2704
49	100	Unbiased	20.553	21.849	1.2956
50	100	Unbiased	20.693	21.957	1.2647
51	100	Unbiased	20.462	21.728	1.266
52	100	Unbiased	20.855	22.073	1.2186
53	0	Correlation	20.564	20.561	-0.0029
54	0	Correlation	20.824	20.82	-0.0042
55	0	Correlation	20.573	20.524	-0.0492
56	0	Correlation	20.541	20.472	-0.0692

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	20.541	20.625	20.824	0.13288	20.472	20.594	20.82	0.15472	-0.0692	-0.031375	-0.0029	0.033155
3	20.118	20.467	20.637	0.14998	20.3	20.568	20.692	0.11255	0.0181	0.10074	0.1823	0.051156
10	20.375	20.609	20.854	0.15266	20.514	20.802	21.055	0.16692	0.1244	0.19312	0.2619	0.042679
30	20.507	20.685	20.866	0.10132	20.994	21.151	21.349	0.11185	0.4201	0.46595	0.5342	0.034947
50	20.511	20.69	20.908	0.12949	21.097	21.413	21.639	0.15395	0.578	0.72298	0.8097	0.065815
100	20.429	20.611	20.855	0.13201	21.728	21.894	22.125	0.12838	1.2186	1.2827	1.399	0.053601

Device Test: 18.7; RESET_RPMOS_LOW_V





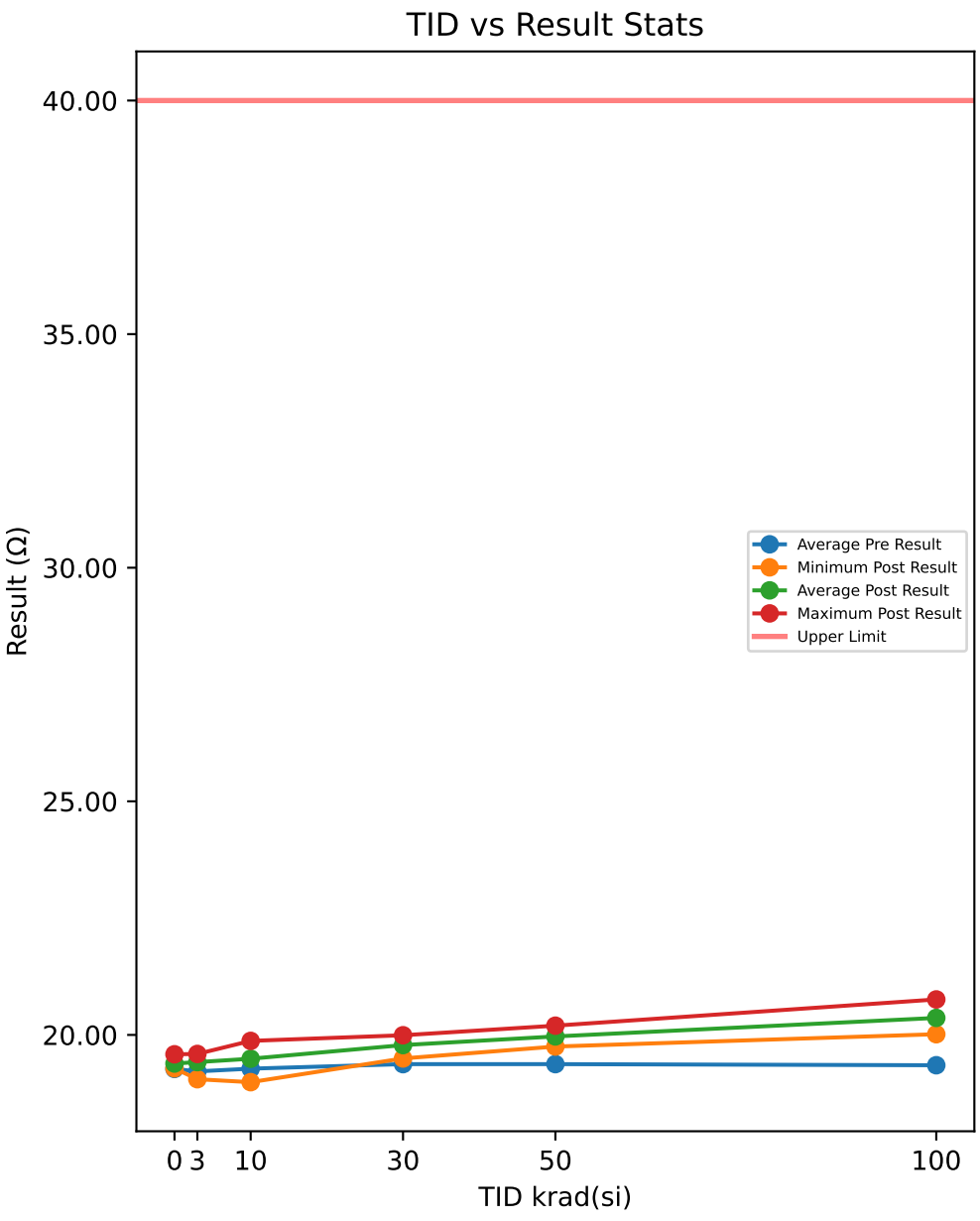
Test Results (Upper Limit = 40.0 (Ω))

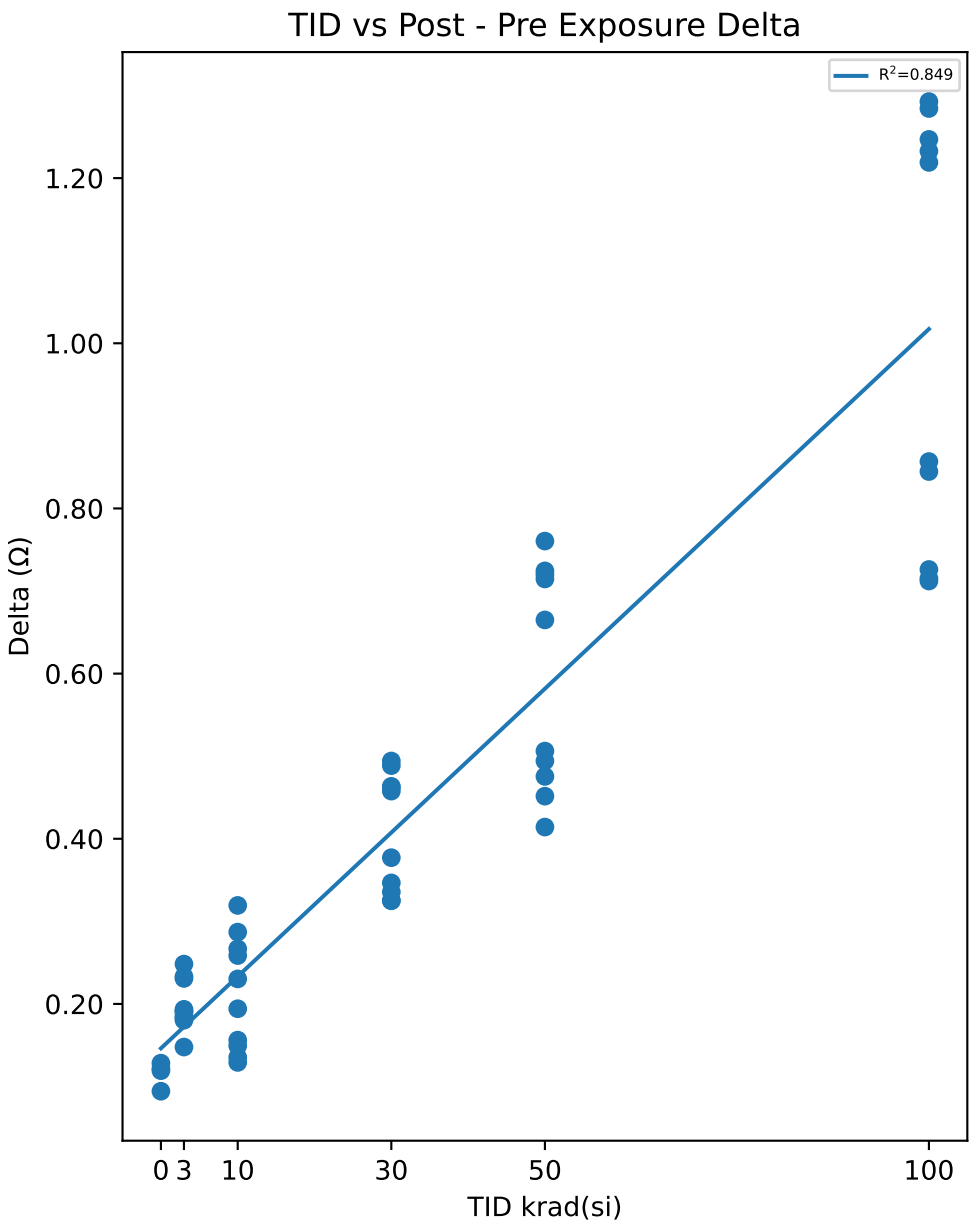
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	19.375	19.568	0.1926
3	3	Biased	19.222	19.35	0.1274
4	3	Biased	18.852	18.918	0.0666
5	3	Biased	19.476	19.64	0.1643
6	3	Biased	19.101	19.189	0.0881
7	3	Unbiased	19.18	19.347	0.1668
8	3	Unbiased	19.22	19.35	0.1303
9	3	Unbiased	19.353	19.488	0.1346
10	3	Unbiased	19.175	19.324	0.1487
11	3	Unbiased	19.401	19.554	0.1536
12	10	Unbiased	19.57	19.788	0.2184
13	10	Unbiased	19.597	19.82	0.2232
14	10	Unbiased	19.477	19.654	0.1763
15	10	Unbiased	19.396	19.591	0.1951
16	10	Unbiased	19.214	19.357	0.143
17	10	Biased	19.293	19.434	0.1416
18	10	Biased	19.293	19.432	0.1386
19	10	Biased	18.805	18.89	0.0848
20	10	Biased	19.195	19.277	0.0822
21	10	Biased	19.34	19.478	0.138
22	30	Biased	19.551	19.791	0.2399
23	30	Biased	19.733	19.946	0.2134
24	30	Biased	19.536	19.784	0.2483
25	30	Biased	19.184	19.437	0.2535
26	30	Biased	19.357	19.585	0.2286
27	30	Unbiased	19.419	19.842	0.4236
28	30	Unbiased	19.492	19.904	0.4119
29	30	Unbiased	19.234	19.635	0.4012
30	30	Unbiased	19.476	19.866	0.3904
31	30	Unbiased	19.16	19.547	0.3863
32	50	Biased	19.33	19.71	0.38
33	50	Biased	19.333	19.729	0.3956
34	50	Biased	19.492	19.945	0.453
35	50	Biased	19.372	19.813	0.441
36	50	Biased	19.586	19.952	0.3666
37	50	Unbiased	19.389	19.959	0.5693
39	50	Unbiased	19.367	20.078	0.711
40	50	Unbiased	19.237	19.779	0.5422
41	50	Unbiased	19.513	20.215	0.7018
42	50	Unbiased	19.451	20.054	0.603
43	100	Biased	19.25	19.917	0.667
44	100	Biased	19.431	20.113	0.6815
45	100	Biased	19.522	20.313	0.7914
46	100	Biased	19.399	20.027	0.6277
47	100	Biased	19.369	20.044	0.6755
48	100	Unbiased	19.421	20.546	1.1245
49	100	Unbiased	19.341	20.461	1.1199
50	100	Unbiased	19.272	20.342	1.0707
51	100	Unbiased	19.249	20.444	1.1949
52	100	Unbiased	19.524	20.654	1.1299
53	0	Correlation	19.379	19.402	0.0237
54	0	Correlation	19.411	19.48	0.0699
55	0	Correlation	19.088	19.137	0.0496
56	0	Correlation	19.253	19.247	-0.0052

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	19.088	19.282	19.411	0.14655	19.137	19.317	19.48	0.15395	-0.0052	0.0345	0.0699	0.032526
3	18.852	19.235	19.476	0.17976	18.918	19.373	19.64	0.21081	0.0666	0.1373	0.1926	0.037456
10	18.805	19.318	19.597	0.22701	18.89	19.472	19.82	0.27118	0.0822	0.15412	0.2232	0.049255
30	19.16	19.414	19.733	0.18209	19.437	19.734	19.946	0.17133	0.2134	0.31971	0.4236	0.088707
50	19.237	19.407	19.586	0.10312	19.71	19.923	20.215	0.16495	0.3666	0.51635	0.711	0.12847
100	19.249	19.378	19.524	0.10161	19.917	20.286	20.654	0.24805	0.6277	0.9083	1.1949	0.23697

Device Test: 18.8; RESET_RPMOS_LOW_V





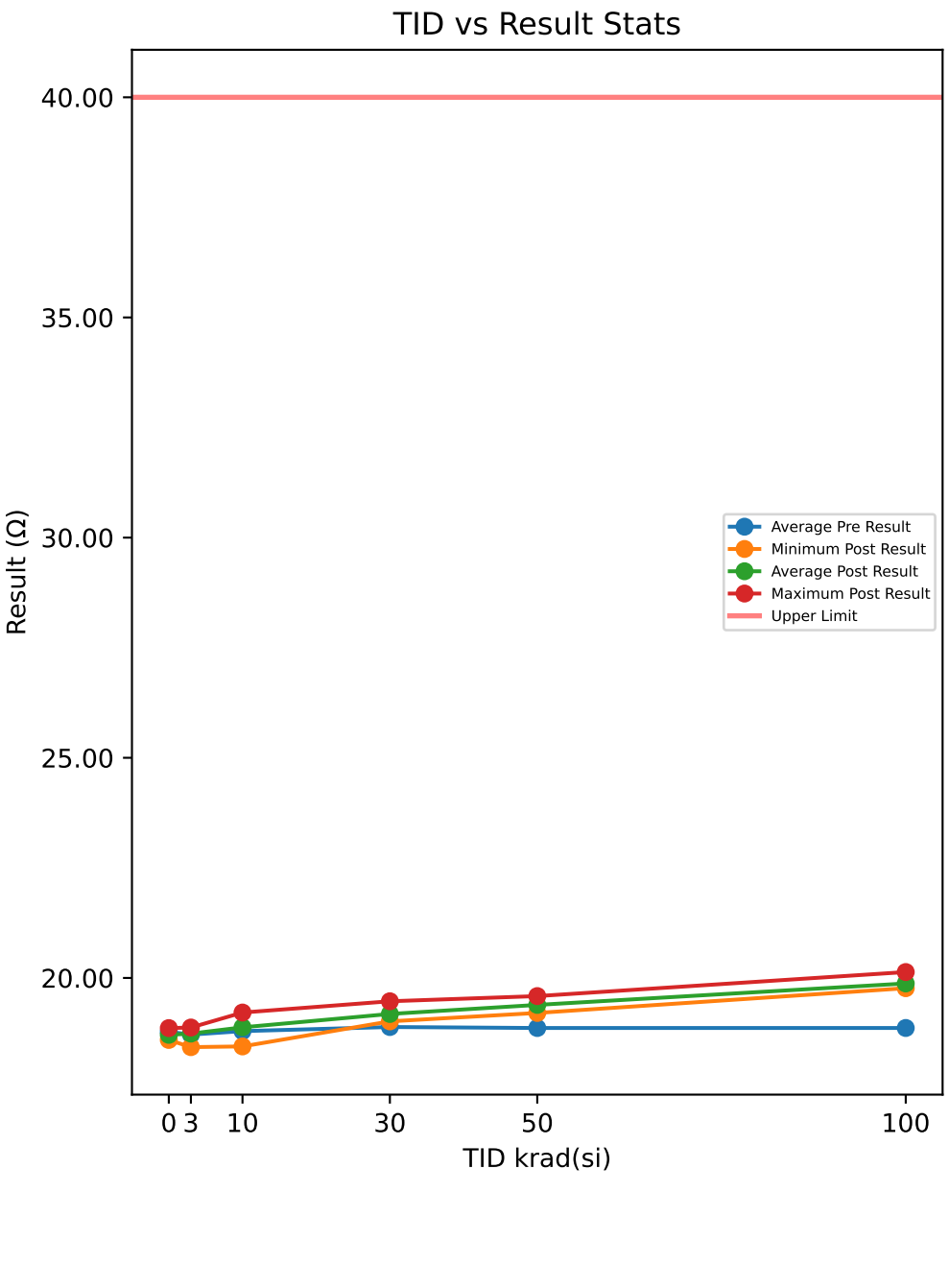
Test Results (Upper Limit = 40.0 (Ω))

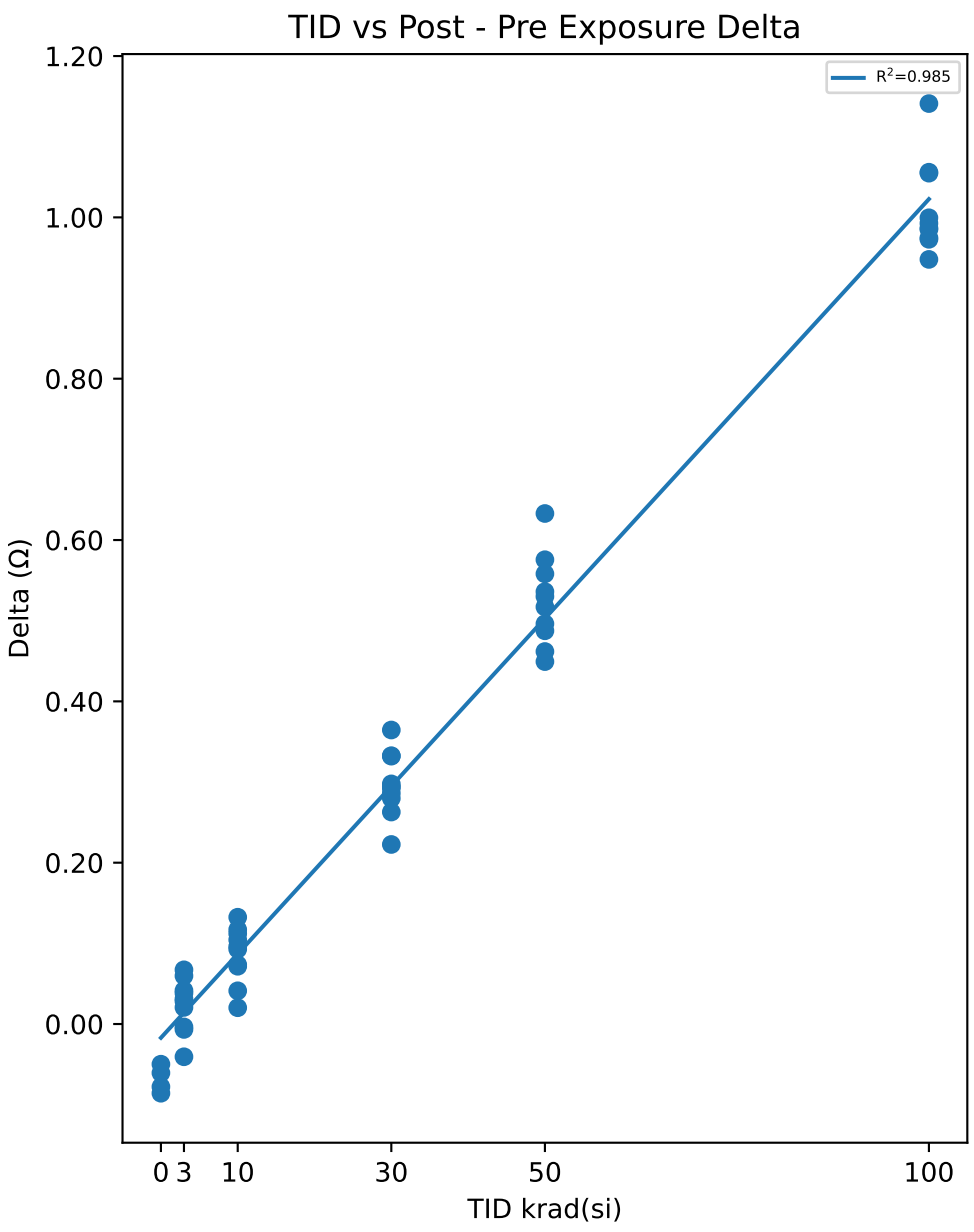
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	19.294	19.542	0.2483
3	3	Biased	19.184	19.378	0.1935
4	3	Biased	18.867	19.052	0.1854
5	3	Biased	19.36	19.541	0.1803
6	3	Biased	19.177	19.408	0.2309
7	3	Unbiased	19.277	19.468	0.1904
8	3	Unbiased	19.187	19.378	0.1911
9	3	Unbiased	19.283	19.431	0.1478
10	3	Unbiased	19.208	19.391	0.1829
11	3	Unbiased	19.359	19.593	0.2332
12	10	Unbiased	19.496	19.816	0.3193
13	10	Unbiased	19.585	19.872	0.287
14	10	Unbiased	19.436	19.695	0.2586
15	10	Unbiased	19.328	19.595	0.2668
16	10	Unbiased	19.088	19.318	0.2303
17	10	Biased	19.206	19.356	0.1494
18	10	Biased	19.263	19.457	0.1942
19	10	Biased	18.859	18.989	0.1292
20	10	Biased	19.213	19.369	0.1562
21	10	Biased	19.304	19.439	0.1354
22	30	Biased	19.38	19.705	0.3249
23	30	Biased	19.668	19.993	0.3253
24	30	Biased	19.482	19.828	0.3466
25	30	Biased	19.161	19.497	0.3355
26	30	Biased	19.233	19.61	0.3771
27	30	Unbiased	19.436	19.899	0.4635
28	30	Unbiased	19.47	19.964	0.4942
29	30	Unbiased	19.249	19.737	0.4886
30	30	Unbiased	19.44	19.902	0.4621
31	30	Unbiased	19.228	19.686	0.4577
32	50	Biased	19.299	19.751	0.4516
33	50	Biased	19.401	19.815	0.4142
34	50	Biased	19.48	19.986	0.5062
35	50	Biased	19.429	19.904	0.4755
36	50	Biased	19.537	20.031	0.4943
37	50	Unbiased	19.361	20.026	0.665
39	50	Unbiased	19.286	20.011	0.7244
40	50	Unbiased	19.199	19.919	0.7199
41	50	Unbiased	19.437	20.198	0.7605
42	50	Unbiased	19.32	20.034	0.7146
43	100	Biased	19.305	20.017	0.7121
44	100	Biased	19.313	20.17	0.8568
45	100	Biased	19.491	20.336	0.8447
46	100	Biased	19.3	20.015	0.7154
47	100	Biased	19.365	20.091	0.7261
48	100	Unbiased	19.422	20.669	1.2469
49	100	Unbiased	19.276	20.569	1.2927
50	100	Unbiased	19.355	20.588	1.2327
51	100	Unbiased	19.208	20.427	1.219
52	100	Unbiased	19.475	20.759	1.2843
53	0	Correlation	19.207	19.329	0.1218
54	0	Correlation	19.457	19.585	0.1283
55	0	Correlation	19.19	19.285	0.0943
56	0	Correlation	19.233	19.352	0.1192

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	19.19	19.272	19.457	0.12461	19.285	19.388	19.585	0.1346	0.0943	0.1159	0.1283	0.0149
3	18.867	19.22	19.36	0.14188	19.052	19.418	19.593	0.14969	0.1478	0.19838	0.2483	0.030177
10	18.859	19.278	19.585	0.20849	18.989	19.49	19.872	0.26296	0.1292	0.21264	0.3193	0.068893
30	19.161	19.375	19.668	0.15537	19.497	19.782	19.993	0.16197	0.3249	0.40755	0.4942	0.071591
50	19.199	19.375	19.537	0.1013	19.751	19.967	20.198	0.12635	0.4142	0.59262	0.7605	0.13517
100	19.208	19.351	19.491	0.089841	20.015	20.364	20.759	0.27905	0.7121	1.0131	1.2927	0.26064

Device Test: 18.9; RESET_RPMOS_LOW_V





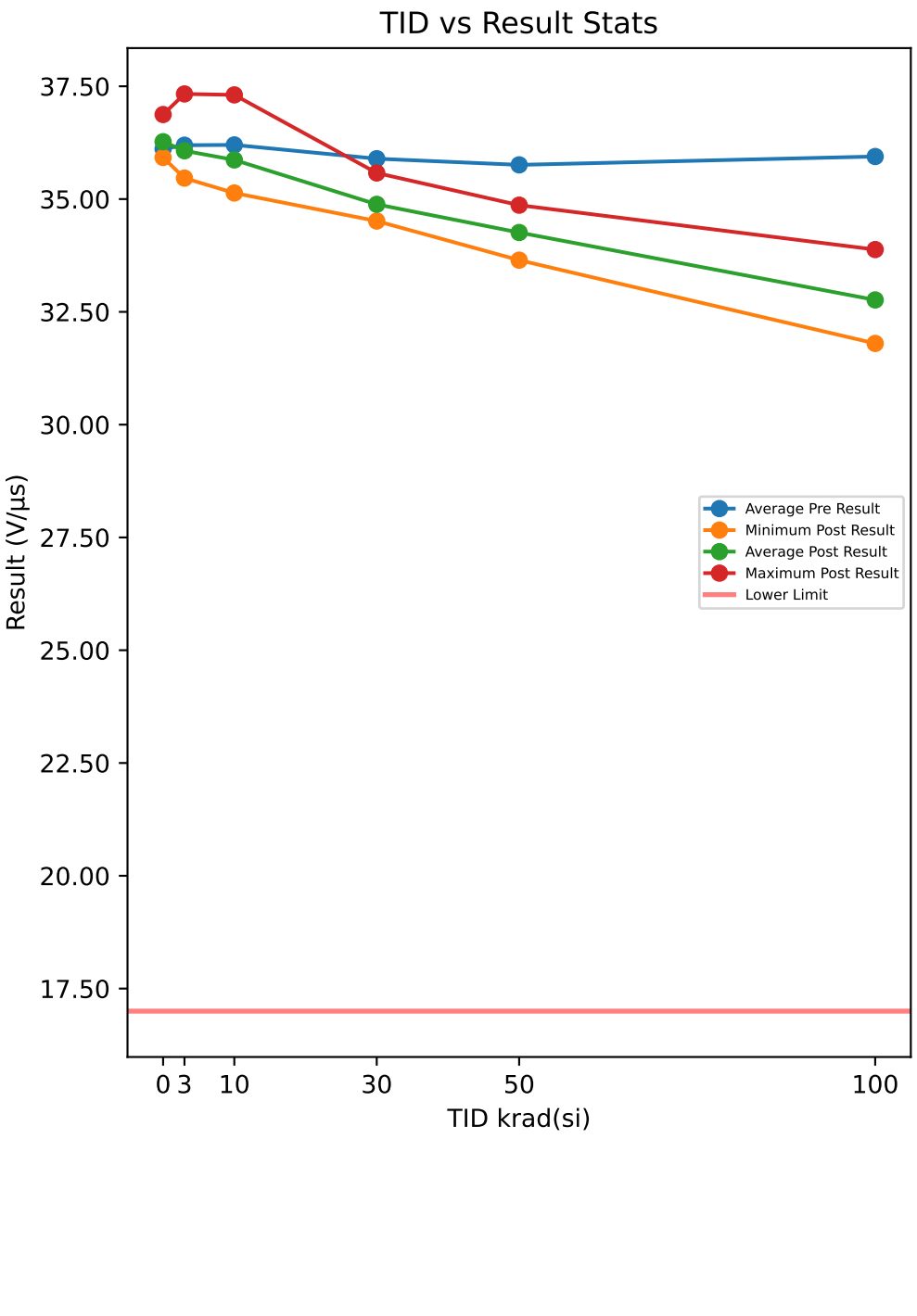
Test Results (Upper Limit = 40.0 (Ω))

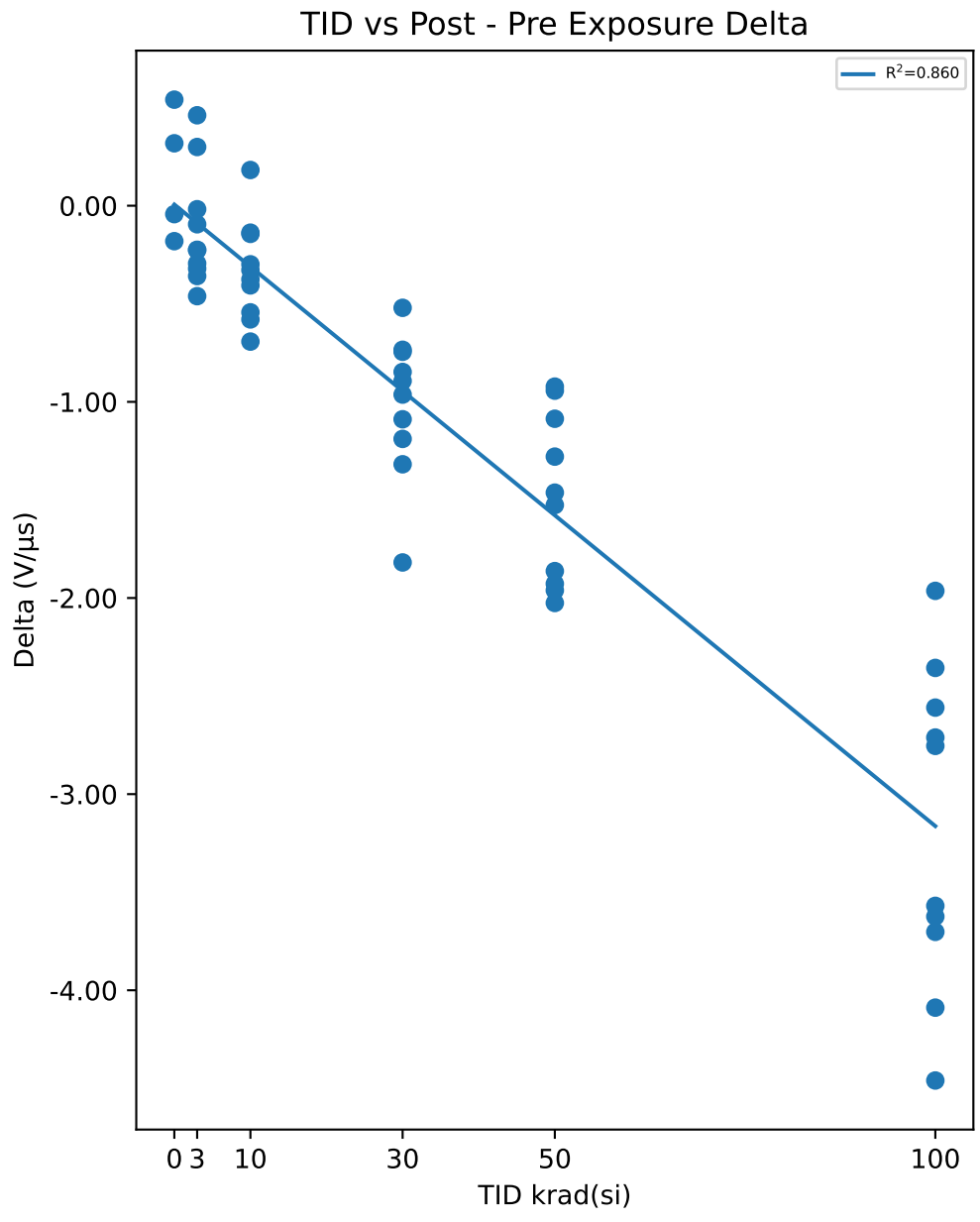
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	18.807	18.874	0.0672
3	3	Biased	18.773	18.733	-0.0406
4	3	Biased	18.369	18.429	0.0597
5	3	Biased	18.793	18.835	0.0416
6	3	Biased	18.697	18.718	0.0206
7	3	Unbiased	18.766	18.759	-0.0067
8	3	Unbiased	18.702	18.733	0.0311
9	3	Unbiased	18.729	18.767	0.0383
10	3	Unbiased	18.647	18.643	-0.0036
11	3	Unbiased	18.843	18.871	0.0283
12	10	Unbiased	19.017	19.134	0.1171
13	10	Unbiased	19.143	19.214	0.0716
14	10	Unbiased	18.991	19.087	0.0961
15	10	Unbiased	18.735	18.847	0.1121
16	10	Unbiased	18.683	18.724	0.0412
17	10	Biased	18.621	18.714	0.0928
18	10	Biased	18.765	18.897	0.1324
19	10	Biased	18.34	18.445	0.1044
20	10	Biased	18.773	18.793	0.0202
21	10	Biased	18.856	18.93	0.0736
22	30	Biased	18.858	19.155	0.2977
23	30	Biased	19.137	19.47	0.3326
24	30	Biased	18.983	19.348	0.3645
25	30	Biased	18.682	19.014	0.3321
26	30	Biased	18.748	19.035	0.2861
27	30	Unbiased	18.932	19.212	0.2798
28	30	Unbiased	18.951	19.213	0.2628
29	30	Unbiased	18.828	19.05	0.2226
30	30	Unbiased	18.926	19.22	0.2942
31	30	Unbiased	18.81	19.102	0.2925
32	50	Biased	18.804	19.321	0.5171
33	50	Biased	18.783	19.313	0.5301
34	50	Biased	18.955	19.588	0.6329
35	50	Biased	18.97	19.546	0.5756
36	50	Biased	19.004	19.54	0.536
37	50	Unbiased	18.818	19.267	0.4493
39	50	Unbiased	18.817	19.305	0.4875
40	50	Unbiased	18.709	19.205	0.4962
41	50	Unbiased	18.952	19.511	0.5581
42	50	Unbiased	18.819	19.281	0.4618
43	100	Biased	18.799	19.855	1.056
44	100	Biased	18.725	19.78	1.0548
45	100	Biased	18.993	20.134	1.1411
46	100	Biased	18.847	19.832	0.9851
47	100	Biased	18.912	19.886	0.9747
48	100	Unbiased	18.961	19.934	0.9728
49	100	Unbiased	18.78	19.767	0.9866
50	100	Unbiased	18.849	19.797	0.9479
51	100	Unbiased	18.789	19.782	0.9926
52	100	Unbiased	18.98	19.979	0.9995
53	0	Correlation	18.797	18.711	-0.0858
54	0	Correlation	18.922	18.861	-0.0606
55	0	Correlation	18.642	18.592	-0.0498
56	0	Correlation	18.745	18.668	-0.0778

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	18.642	18.776	18.922	0.11628	18.592	18.708	18.861	0.11327	-0.0858	-0.0685	-0.0498	0.016308
3	18.369	18.713	18.843	0.13415	18.429	18.736	18.874	0.12997	-0.0406	0.02359	0.0672	0.032679
10	18.34	18.792	19.143	0.22769	18.445	18.878	19.214	0.22894	0.0202	0.08615	0.1324	0.034938
30	18.682	18.886	19.137	0.12966	19.014	19.182	19.47	0.14466	0.2226	0.29649	0.3645	0.039723
50	18.709	18.863	19.004	0.098562	19.205	19.388	19.588	0.14118	0.4493	0.52446	0.6329	0.055242
100	18.725	18.863	18.993	0.093275	19.767	19.875	20.134	0.11505	0.9479	1.0111	1.1411	0.057121

Device Test: 19.1; RESET_SLEW_RATE_RISE





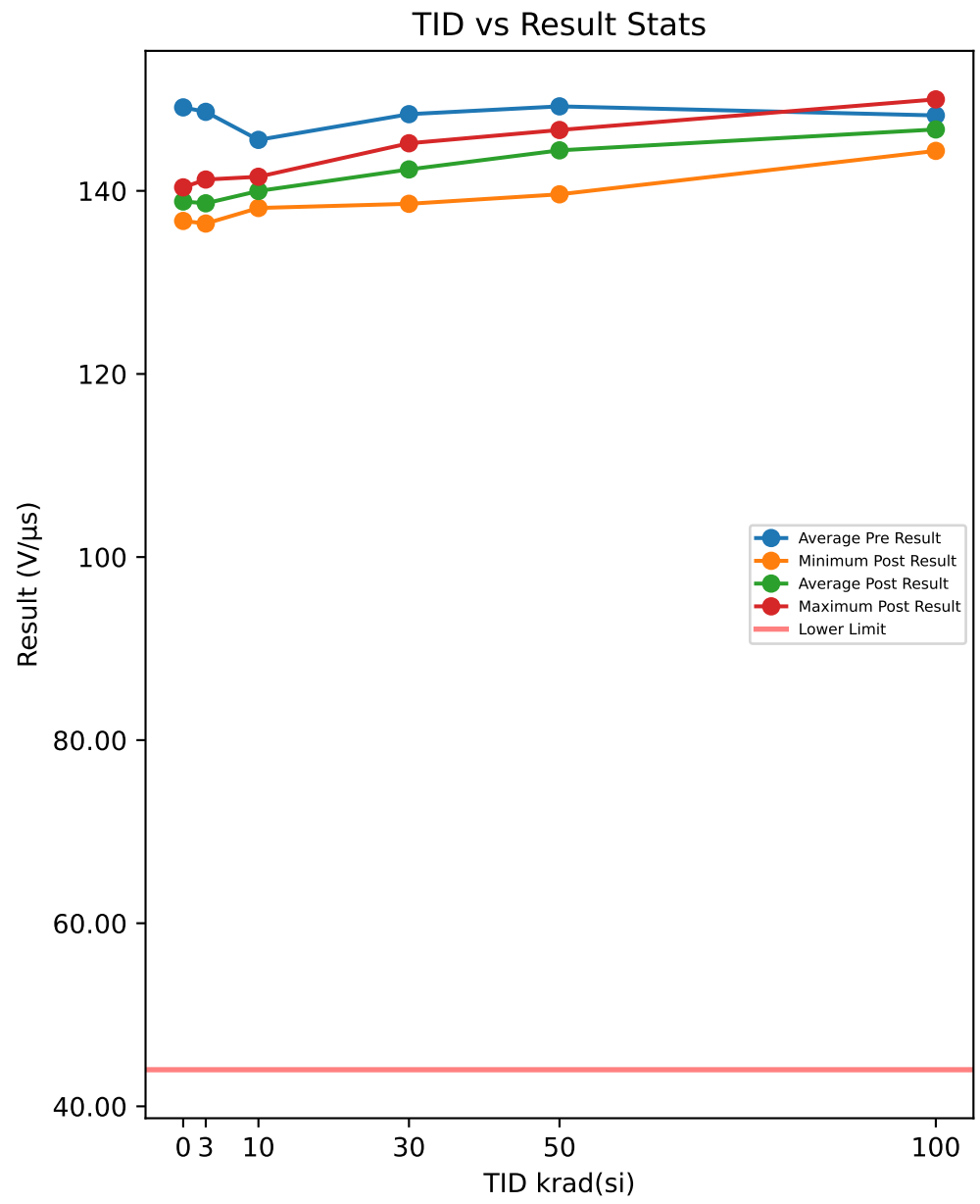
Test Results (Lower Limit = 17.0 (V/µs))

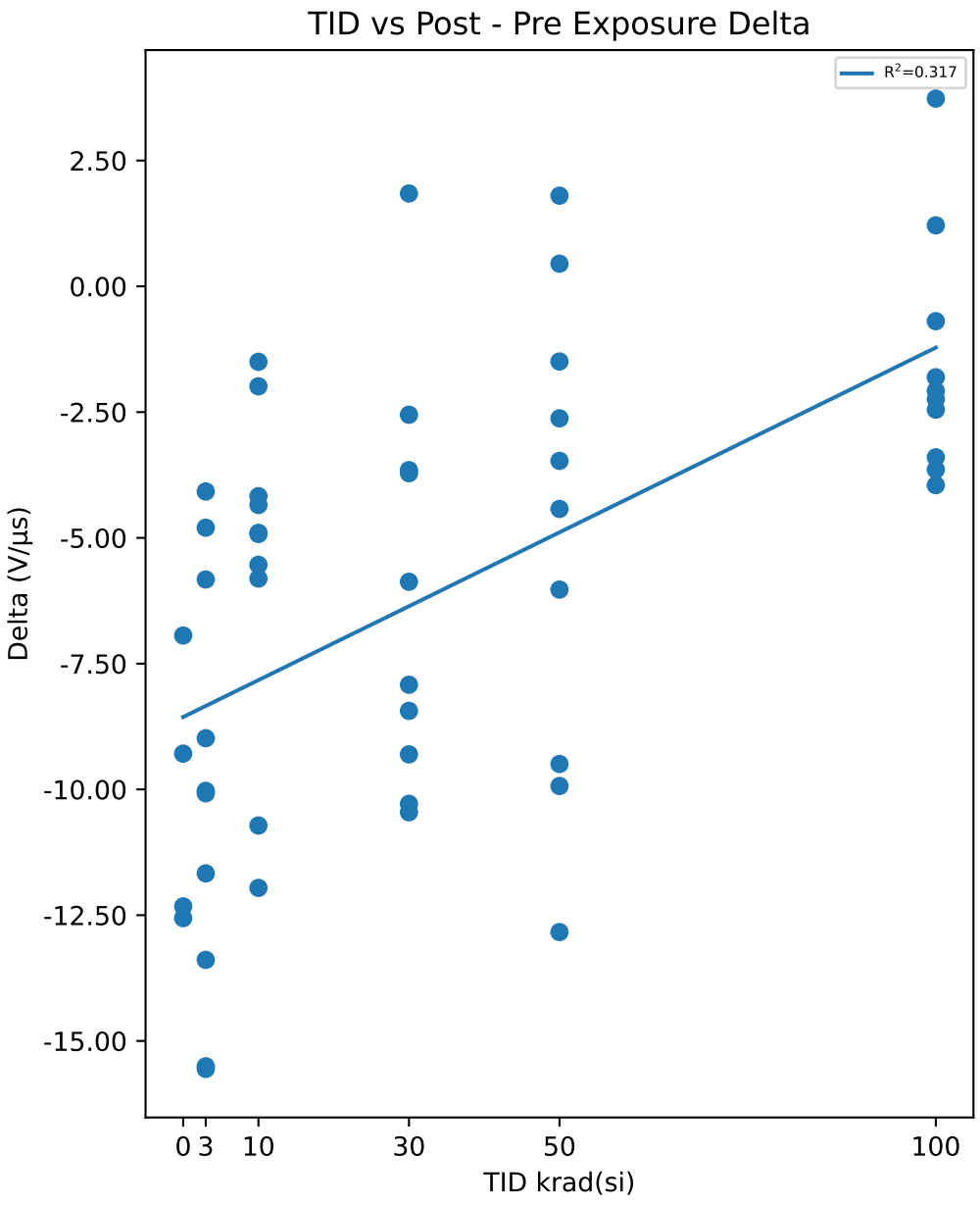
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	35.926	35.465	-0.4611
3	3	Biased	35.924	36.223	0.2994
4	3	Biased	36.869	37.33	0.4611
5	3	Biased	35.787	35.692	-0.0946
6	3	Biased	36.523	36.296	-0.2262
7	3	Unbiased	36.441	36.12	-0.3204
8	3	Unbiased	36.364	36.14	-0.2247
9	3	Unbiased	35.8	35.782	-0.0179
10	3	Unbiased	36.479	36.12	-0.3586
11	3	Unbiased	35.827	35.533	-0.2942
12	10	Unbiased	35.445	35.146	-0.2987
13	10	Unbiased	35.462	35.135	-0.3279
14	10	Unbiased	36	35.42	-0.5797
15	10	Unbiased	35.918	35.775	-0.1436
16	10	Unbiased	36.423	36.016	-0.4063
17	10	Biased	35.921	36.103	0.1821
18	10	Biased	36.485	35.792	-0.6928
19	10	Biased	37.685	37.309	-0.3756
20	10	Biased	36.69	36.146	-0.5437
21	10	Biased	35.974	35.837	-0.1374
22	30	Biased	35.916	34.827	-1.0889
23	30	Biased	35.033	34.513	-0.5206
24	30	Biased	35.756	34.793	-0.963
25	30	Biased	36.323	35.578	-0.7448
26	30	Biased	36.039	35.304	-0.7345
27	30	Unbiased	35.548	34.701	-0.8476
28	30	Unbiased	35.92	34.602	-1.3183
29	30	Unbiased	35.824	34.931	-0.8932
30	30	Unbiased	35.795	34.606	-1.1889
31	30	Unbiased	36.794	34.975	-1.8188
32	50	Biased	36.144	34.865	-1.2792
33	50	Biased	35.688	34.745	-0.9429
34	50	Biased	35.415	34.328	-1.0862
35	50	Biased	35.959	34.496	-1.4629
36	50	Biased	35.356	34.434	-0.9223
37	50	Unbiased	35.903	33.941	-1.9611
39	50	Unbiased	35.726	33.7	-2.0254
40	50	Unbiased	36.17	34.644	-1.5262
41	50	Unbiased	35.573	33.646	-1.9274
42	50	Unbiased	35.649	33.786	-1.8629
43	100	Biased	36.44	33.881	-2.5589
44	100	Biased	36.053	33.341	-2.7114
45	100	Biased	35.671	32.916	-2.7541
46	100	Biased	35.879	33.523	-2.3565
47	100	Biased	35.46	33.497	-1.9636
48	100	Unbiased	36.097	32.008	-4.0886
49	100	Unbiased	36.504	32.044	-4.4601
50	100	Unbiased	35.944	32.32	-3.6241
51	100	Unbiased	36.013	32.311	-3.7023
52	100	Unbiased	35.37	31.8	-3.5696
53	0	Correlation	35.694	36.013	0.3183
54	0	Correlation	35.965	35.922	-0.043
55	0	Correlation	36.333	36.874	0.5407
56	0	Correlation	36.458	36.277	-0.1808

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	35.694	36.113	36.458	0.34865	35.922	36.271	36.874	0.42887	-0.1808	0.1588	0.5407	0.33032
3	35.787	36.194	36.869	0.38523	35.465	36.07	37.33	0.53265	-0.4611	-0.12372	0.4611	0.29637
10	35.445	36.2	37.685	0.66152	35.135	35.868	37.309	0.62421	-0.6928	-0.33236	0.1821	0.25442
30	35.033	35.895	36.794	0.46069	34.513	34.883	35.578	0.33483	-1.8188	-1.0119	-0.5206	0.36748
50	35.356	35.758	36.17	0.28113	33.646	34.258	34.865	0.45396	-2.0254	-1.4997	-0.9223	0.43065
100	35.37	35.943	36.504	0.37159	31.8	32.764	33.881	0.75544	-4.4601	-3.1789	-1.9636	0.81857

Device Test: 19.10; RESET_SLEW_RATE_FALL





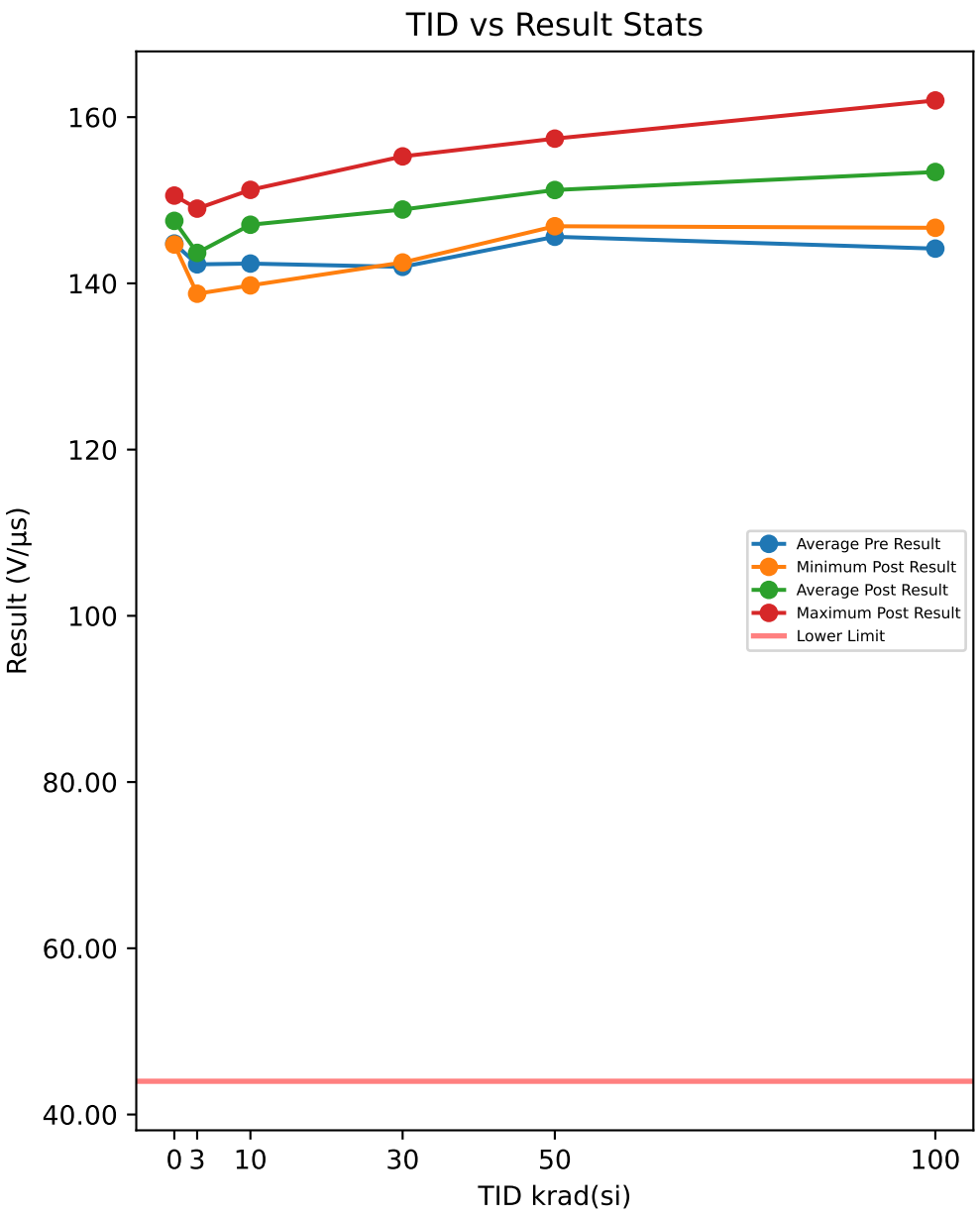
Test Results (Lower Limit = 44.0 (V/µs))

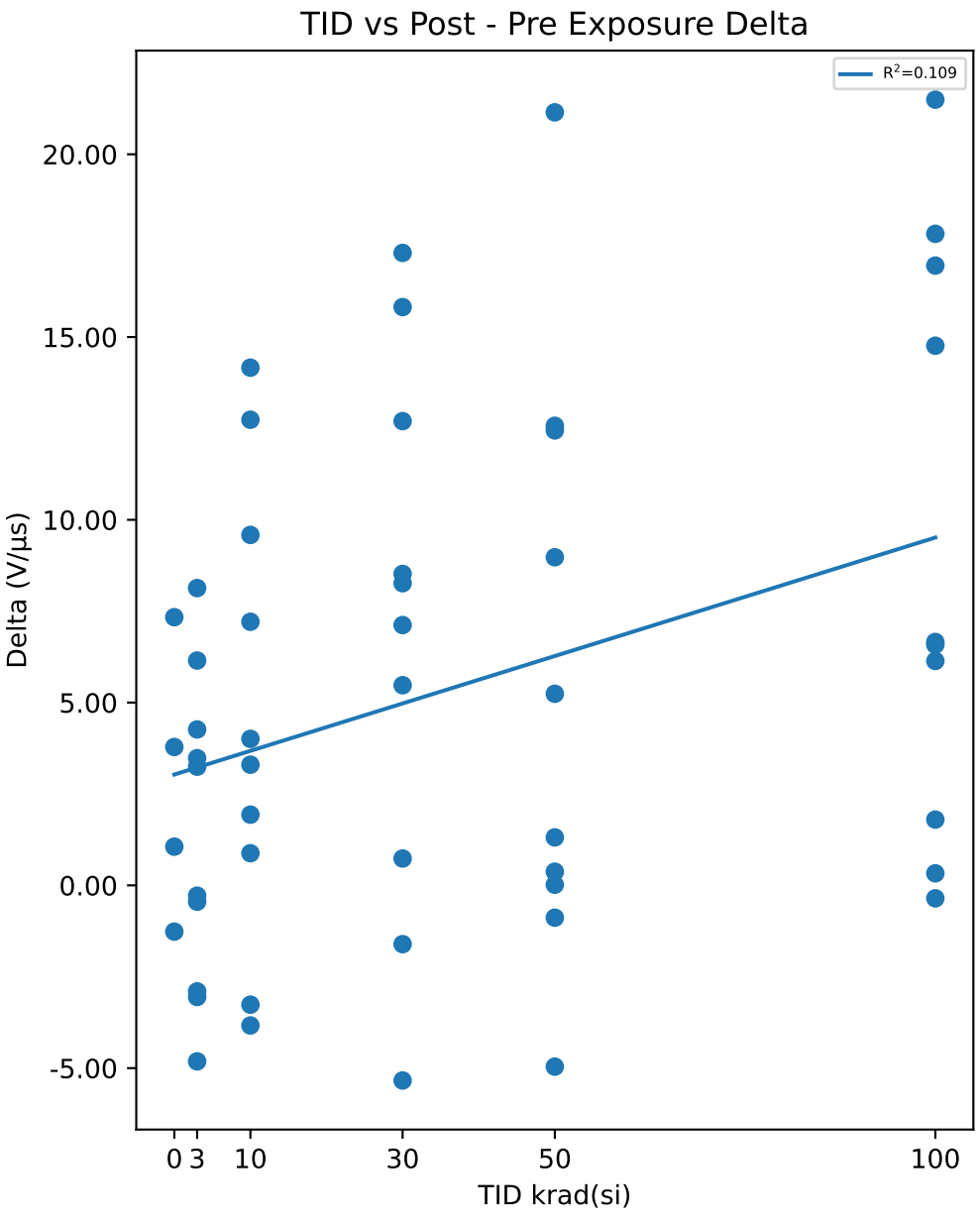
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	151.04	137.65	-13.389
3	3	Biased	142.4	138.32	-4.0782
4	3	Biased	150.44	140.41	-10.029
5	3	Biased	148.41	138.33	-10.078
6	3	Biased	150.56	138.89	-11.67
7	3	Unbiased	153.4	137.84	-15.557
8	3	Unbiased	156.74	141.24	-15.504
9	3	Unbiased	141.23	136.43	-4.7985
10	3	Unbiased	146.12	137.14	-8.9827
11	3	Unbiased	145.99	140.16	-5.8274
12	10	Unbiased	144.43	140.26	-4.1717
13	10	Unbiased	144.75	139.84	-4.9004
14	10	Unbiased	143.53	141.54	-1.9878
15	10	Unbiased	143.94	138.13	-5.8084
16	10	Unbiased	150.78	138.82	-11.958
17	10	Biased	143.57	138.65	-4.9233
18	10	Biased	150.12	139.4	-10.718
19	10	Biased	147.03	141.5	-5.5356
20	10	Biased	143.03	141.53	-1.5003
21	10	Biased	144.52	140.18	-4.3464
22	30	Biased	153.92	143.63	-10.287
23	30	Biased	151.6	143.68	-7.9203
24	30	Biased	139.94	141.78	1.8454
25	30	Biased	147.16	144.6	-2.5531
26	30	Biased	151.07	145.2	-5.8727
27	30	Unbiased	149.18	140.75	-8.4391
28	30	Unbiased	146.77	143.12	-3.6539
29	30	Unbiased	151.13	141.83	-9.3039
30	30	Unbiased	150.69	140.23	-10.455
31	30	Unbiased	142.3	138.59	-3.7149
32	50	Biased	149.39	144.97	-4.4246
33	50	Biased	149.07	145.6	-3.4697
34	50	Biased	146.02	146.47	0.4501
35	50	Biased	152.09	142.6	-9.495
36	50	Biased	148.14	146.65	-1.4943
37	50	Unbiased	144.69	142.06	-2.6244
39	50	Unbiased	150.83	144.81	-6.0283
40	50	Unbiased	152.46	139.62	-12.835
41	50	Unbiased	143.36	145.16	1.8017
42	50	Unbiased	156.25	146.32	-9.9323
43	100	Biased	148.76	146.95	-1.8074
44	100	Biased	145.82	149.55	3.7315
45	100	Biased	144.26	145.47	1.212
46	100	Biased	146.45	144.37	-2.0779
47	100	Biased	153.95	149.99	-3.953
48	100	Unbiased	150.44	148.19	-2.2436
49	100	Unbiased	148.73	145.33	-3.3988
50	100	Unbiased	148.2	145.75	-2.452
51	100	Unbiased	149.71	146.06	-3.6445
52	100	Unbiased	146.1	145.41	-0.6929
53	0	Correlation	147.32	140.38	-6.9407
54	0	Correlation	151.43	139.1	-12.325
55	0	Correlation	148.45	139.16	-9.2893
56	0	Correlation	149.27	136.71	-12.559

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	147.32	149.12	151.43	1.7367	136.71	138.84	140.38	1.5343	-12.559	-10.279	-6.9407	2.6777
3	141.23	148.63	156.74	4.8104	136.43	138.64	141.24	1.5352	-15.557	-9.9913	-4.0782	4.1636
10	143.03	145.57	150.78	2.7945	138.13	139.98	141.54	1.2544	-11.958	-5.585	-1.5003	3.3512
30	139.94	148.38	153.92	4.3992	138.59	142.34	145.2	2.0817	-10.455	-6.0355	1.8454	3.9853
50	143.36	149.23	156.25	3.9046	139.62	144.42	146.65	2.2866	-12.835	-4.8052	1.8017	4.7513
100	144.26	148.24	153.95	2.7792	144.37	146.71	149.99	1.9168	-3.953	-1.5327	3.7315	2.3915

Device Test: 19.11; PWRGD_SLEW_RATE_FALL





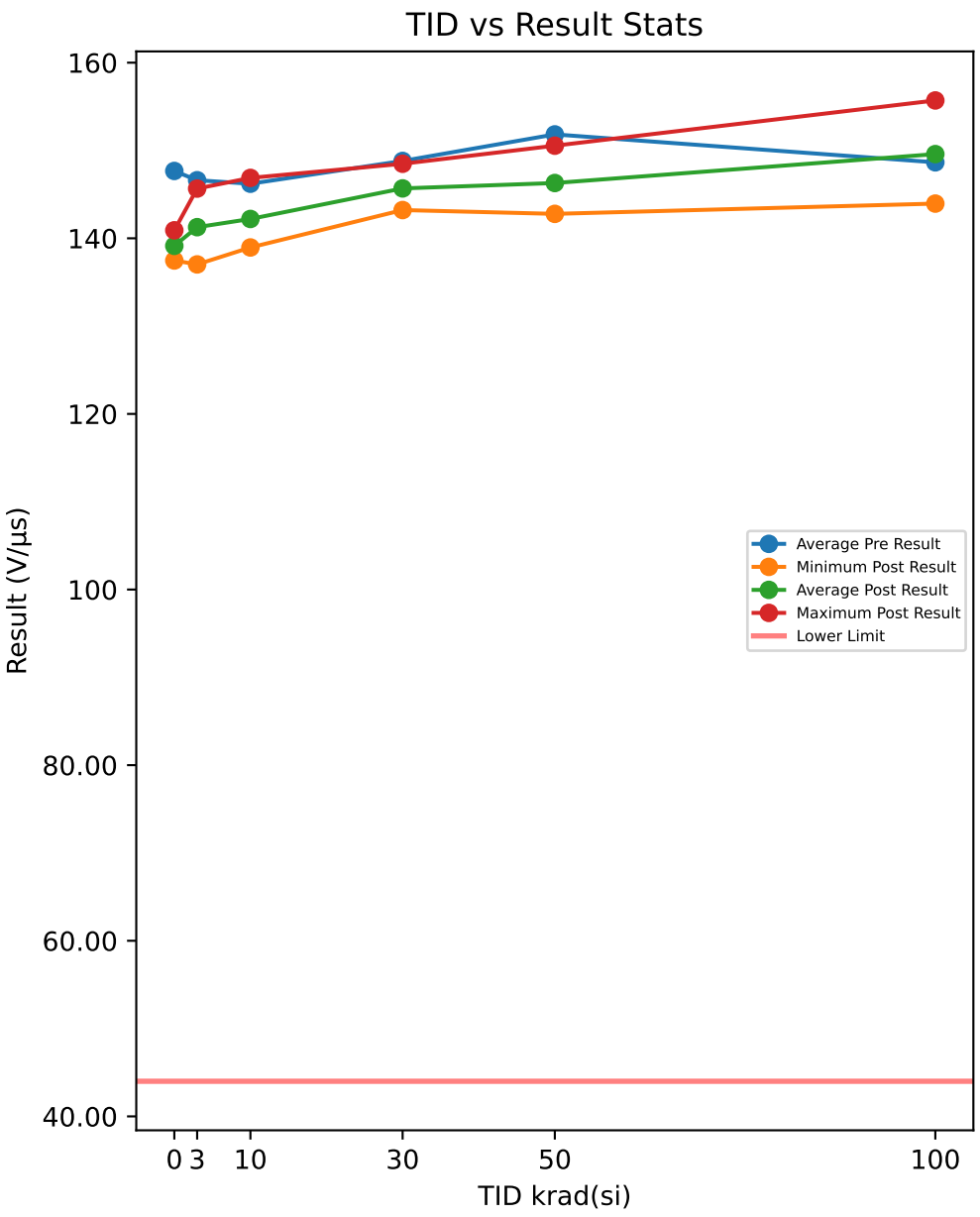
Test Results (Lower Limit = 44.0 (V/µs))

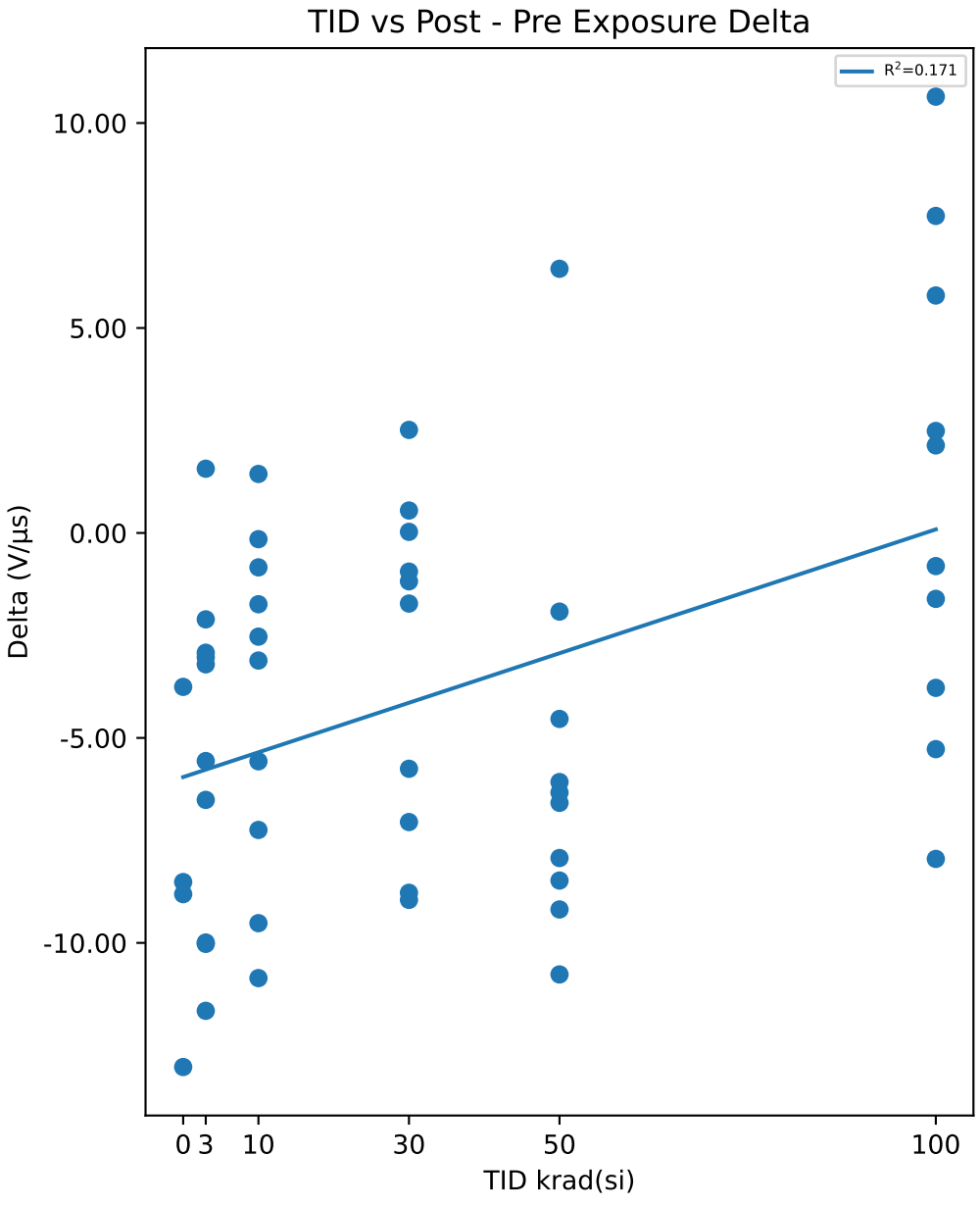
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	139.73	143.99	4.2647
3	3	Biased	145.75	148.99	3.2459
4	3	Biased	137.15	140.63	3.4791
5	3	Biased	139.58	145.73	6.1508
6	3	Biased	146.93	146.49	-0.4469
7	3	Unbiased	145.1	144.82	-0.2827
8	3	Unbiased	144.97	141.92	-3.0539
9	3	Unbiased	144.84	140.02	-4.8153
10	3	Unbiased	141.65	138.75	-2.9016
11	3	Unbiased	137.17	145.3	8.1328
12	10	Unbiased	137.57	141.58	4.0077
13	10	Unbiased	144.31	145.19	0.8789
14	10	Unbiased	153.73	149.9	-3.8337
15	10	Unbiased	136.45	139.75	3.3009
16	10	Unbiased	137.56	150.3	12.738
17	10	Biased	136.69	150.85	14.161
18	10	Biased	144.53	146.47	1.9343
19	10	Biased	139.71	146.92	7.2105
20	10	Biased	151.59	148.32	-3.265
21	10	Biased	141.66	151.25	9.5866
22	30	Biased	141.87	150.13	8.2658
23	30	Biased	148.56	146.96	-1.6083
24	30	Biased	136.14	148.84	12.699
25	30	Biased	135.49	151.31	15.82
26	30	Biased	137.97	155.28	17.302
27	30	Unbiased	137.55	144.67	7.121
28	30	Unbiased	143.61	152.13	8.5186
29	30	Unbiased	147.85	142.51	-5.3388
30	30	Unbiased	149.65	150.39	0.7343
31	30	Unbiased	141.14	146.61	5.4749
32	50	Biased	145.87	147.18	1.3117
33	50	Biased	142.05	147.29	5.2406
34	50	Biased	135.76	156.9	21.148
35	50	Biased	151.83	146.87	-4.9598
36	50	Biased	144.84	157.41	12.572
37	50	Unbiased	149.42	149.8	0.3733
39	50	Unbiased	148.82	147.93	-0.8847
40	50	Unbiased	140.6	153.05	12.446
41	50	Unbiased	150.02	150.04	0.0165
42	50	Unbiased	146.85	155.82	8.9751
43	100	Biased	140.51	162.01	21.494
44	100	Biased	152.29	152.62	0.3289
45	100	Biased	143.09	149.23	6.1392
46	100	Biased	138.02	155.84	17.824
47	100	Biased	156.53	158.33	1.7992
48	100	Unbiased	136.6	153.56	16.955
49	100	Unbiased	149.8	149.45	-0.3552
50	100	Unbiased	138.6	153.36	14.762
51	100	Unbiased	146.33	152.92	6.5839
52	100	Unbiased	140.03	146.69	6.6579
53	0	Correlation	143.81	147.59	3.7843
54	0	Correlation	145.94	144.67	-1.2663
55	0	Correlation	149.5	150.56	1.0587
56	0	Correlation	139.91	147.24	7.336

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	139.91	144.79	149.5	4.0142	144.67	147.52	150.56	2.4105	-1.2663	2.7282	7.336	3.7009
3	137.15	142.29	146.93	3.6824	138.75	143.66	148.99	3.2387	-4.8153	1.3773	8.1328	4.3082
10	136.45	142.38	153.73	6.1777	139.75	147.05	151.25	3.9349	-3.8337	4.672	14.161	6.1937
30	135.49	141.98	149.65	5.291	142.51	148.88	155.28	3.7759	-5.3388	6.8988	17.302	7.3647
50	135.76	145.61	151.83	4.945	146.87	151.23	157.41	4.2177	-4.9598	5.6238	21.148	8.0219
100	136.6	144.18	156.53	6.7727	146.69	153.4	162.01	4.5127	-0.3552	9.219	21.494	7.9165

Device Test: 19.12; WDO_SLEW_RATE_FALL





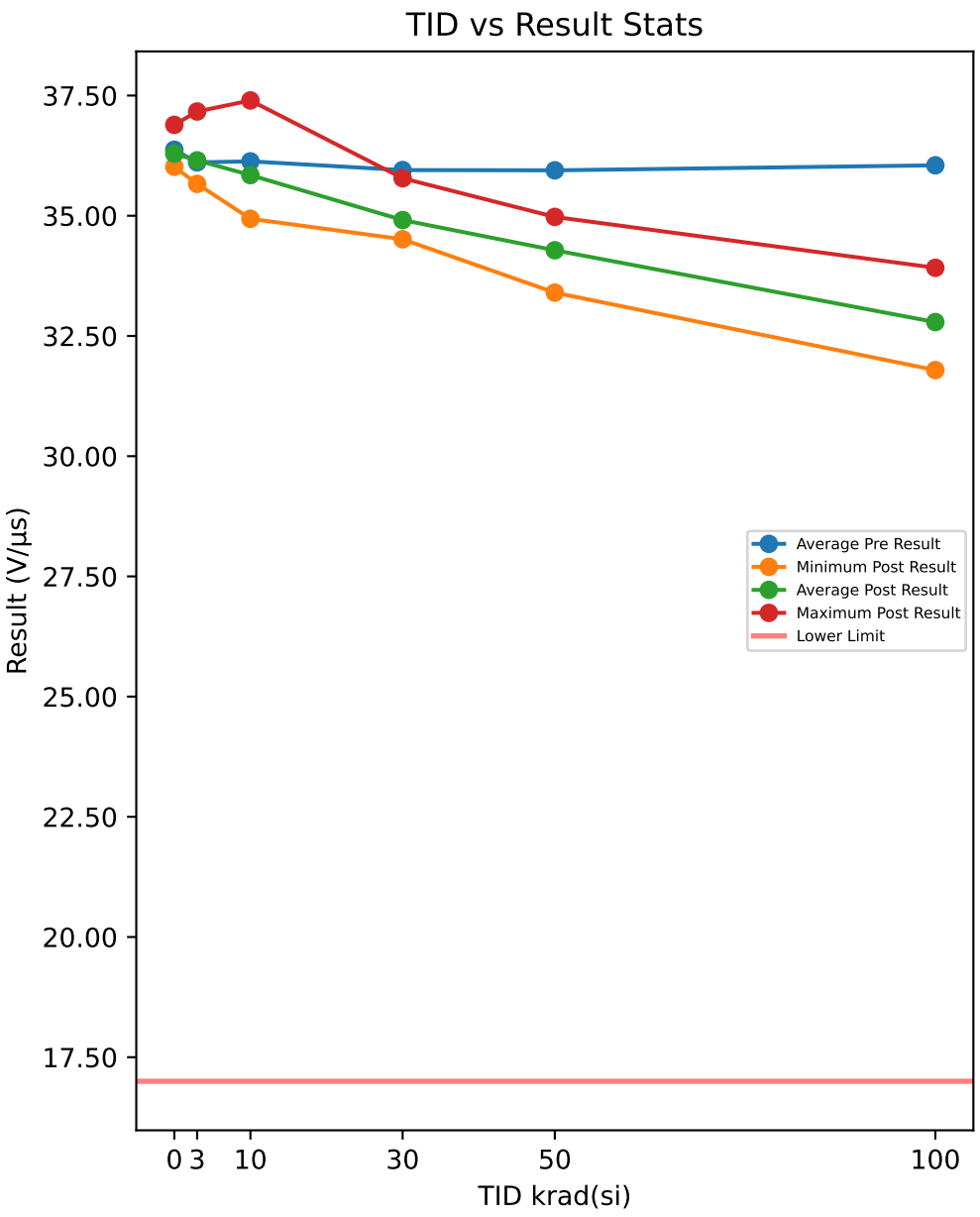
Test Results (Lower Limit = 44.0 (V/µs))

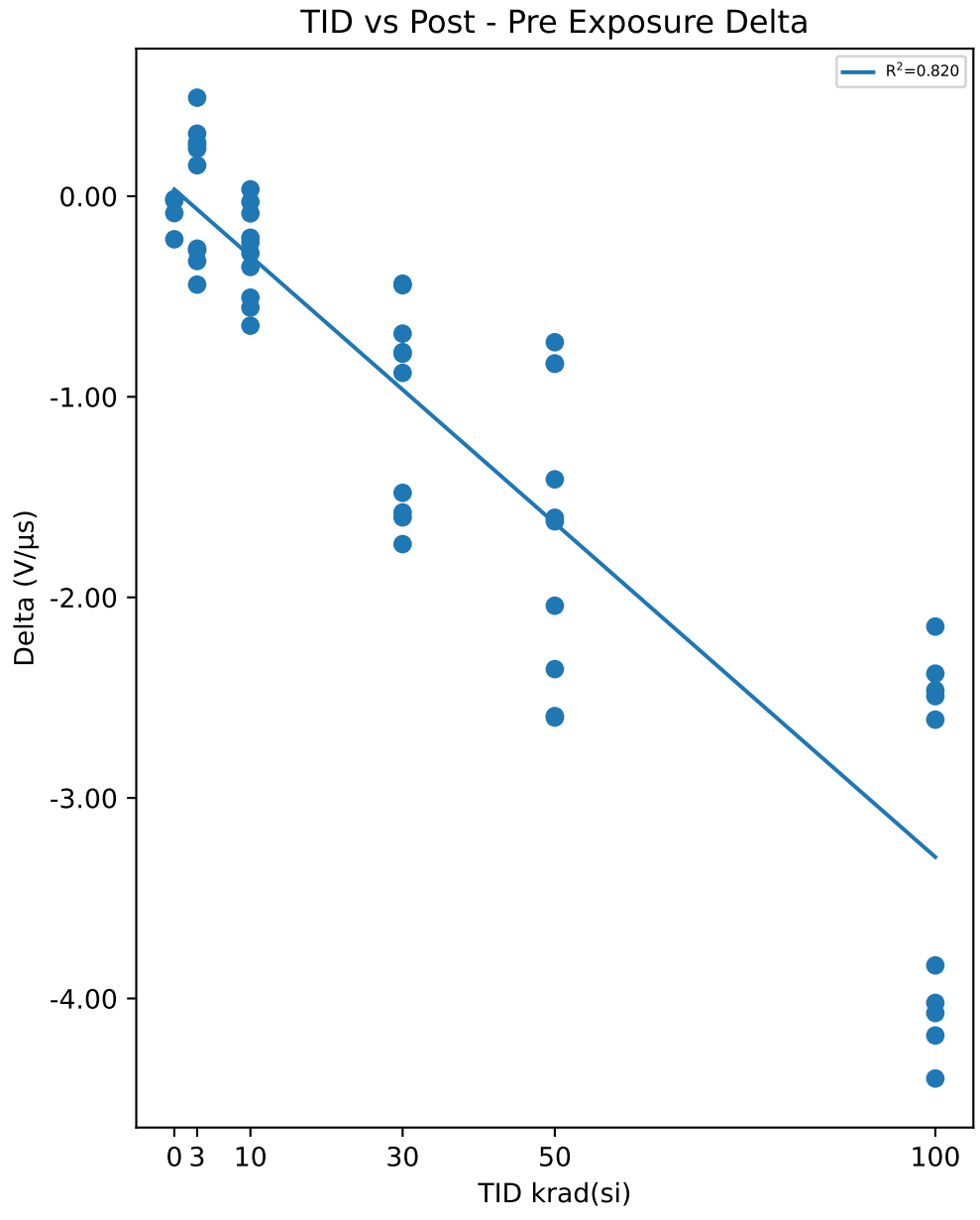
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	147.5	144.3	-3.2052
3	3	Biased	157.32	145.66	-11.657
4	3	Biased	147.76	142.2	-5.5641
5	3	Biased	149.09	139.06	-10.025
6	3	Biased	149.96	139.97	-9.9912
7	3	Unbiased	141.5	138.58	-2.9217
8	3	Unbiased	143.39	144.96	1.5671
9	3	Unbiased	140.06	137.03	-3.0332
10	3	Unbiased	140.32	138.21	-2.1082
11	3	Unbiased	149.22	142.71	-6.5119
12	10	Unbiased	148.48	138.96	-9.5193
13	10	Unbiased	140.46	139.62	-0.8394
14	10	Unbiased	150.01	142.76	-7.2452
15	10	Unbiased	143.39	140.86	-2.5296
16	10	Unbiased	149.99	146.88	-3.1122
17	10	Biased	150.72	139.86	-10.859
18	10	Biased	142.81	142.66	-0.1517
19	10	Biased	150.06	144.49	-5.5707
20	10	Biased	139.79	141.23	1.4394
21	10	Biased	146.42	144.69	-1.7388
22	30	Biased	148.97	143.22	-5.7525
23	30	Biased	151.65	144.59	-7.0527
24	30	Biased	147.1	147.13	0.0267
25	30	Biased	146.66	144.93	-1.7228
26	30	Biased	153.17	144.22	-8.9507
27	30	Unbiased	146.22	145.27	-0.9429
28	30	Unbiased	147.63	148.18	0.5476
29	30	Unbiased	145.97	148.49	2.5139
30	30	Unbiased	154.08	145.3	-8.778
31	30	Unbiased	146.65	145.47	-1.1797
32	50	Biased	144.1	150.55	6.4442
33	50	Biased	144.72	142.8	-1.9188
34	50	Biased	156.11	145.34	-10.77
35	50	Biased	153.34	144.15	-9.1849
36	50	Biased	153.94	147.61	-6.3318
37	50	Unbiased	148.86	142.78	-6.0763
39	50	Unbiased	155.21	147.28	-7.9302
40	50	Unbiased	151.91	147.37	-4.5366
41	50	Unbiased	152.77	146.19	-6.5839
42	50	Unbiased	157.35	148.87	-8.4795
43	100	Biased	144.92	150.71	5.793
44	100	Biased	153.56	155.7	2.1361
45	100	Biased	149.66	152.15	2.4875
46	100	Biased	149.23	143.95	-5.2739
47	100	Biased	153.1	152.29	-0.8082
48	100	Unbiased	151.79	148.01	-3.7788
49	100	Unbiased	153.36	145.41	-7.9516
50	100	Unbiased	147.06	145.45	-1.608
51	100	Unbiased	144.8	152.53	7.7337
52	100	Unbiased	139.03	149.67	10.644
53	0	Correlation	142.91	139.16	-3.755
54	0	Correlation	149.43	140.91	-8.5161
55	0	Correlation	150.5	137.47	-13.028
56	0	Correlation	147.84	139.02	-8.8115

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	142.91	147.67	150.5	3.3554	137.47	139.14	140.91	1.4054	-13.028	-8.5277	-3.755	3.7909
3	140.06	146.61	157.32	5.3738	137.03	141.27	145.66	3.0939	-11.657	-5.345	1.5671	4.2004
10	139.79	146.21	150.72	4.2535	138.96	142.2	146.88	2.5645	-10.859	-4.0127	1.4394	4.1225
30	145.97	148.81	154.08	3.0416	143.22	145.68	148.49	1.7159	-8.9507	-3.1291	2.5139	4.136
50	144.1	151.83	157.35	4.5571	142.78	146.29	150.55	2.5516	-10.77	-5.5368	6.4442	4.8847
100	139.03	148.65	153.56	4.7279	143.95	149.59	155.7	3.7997	-7.9516	0.93737	10.644	5.9366

Device Test: 19.13; RESET_SLEW_RATE_RISE





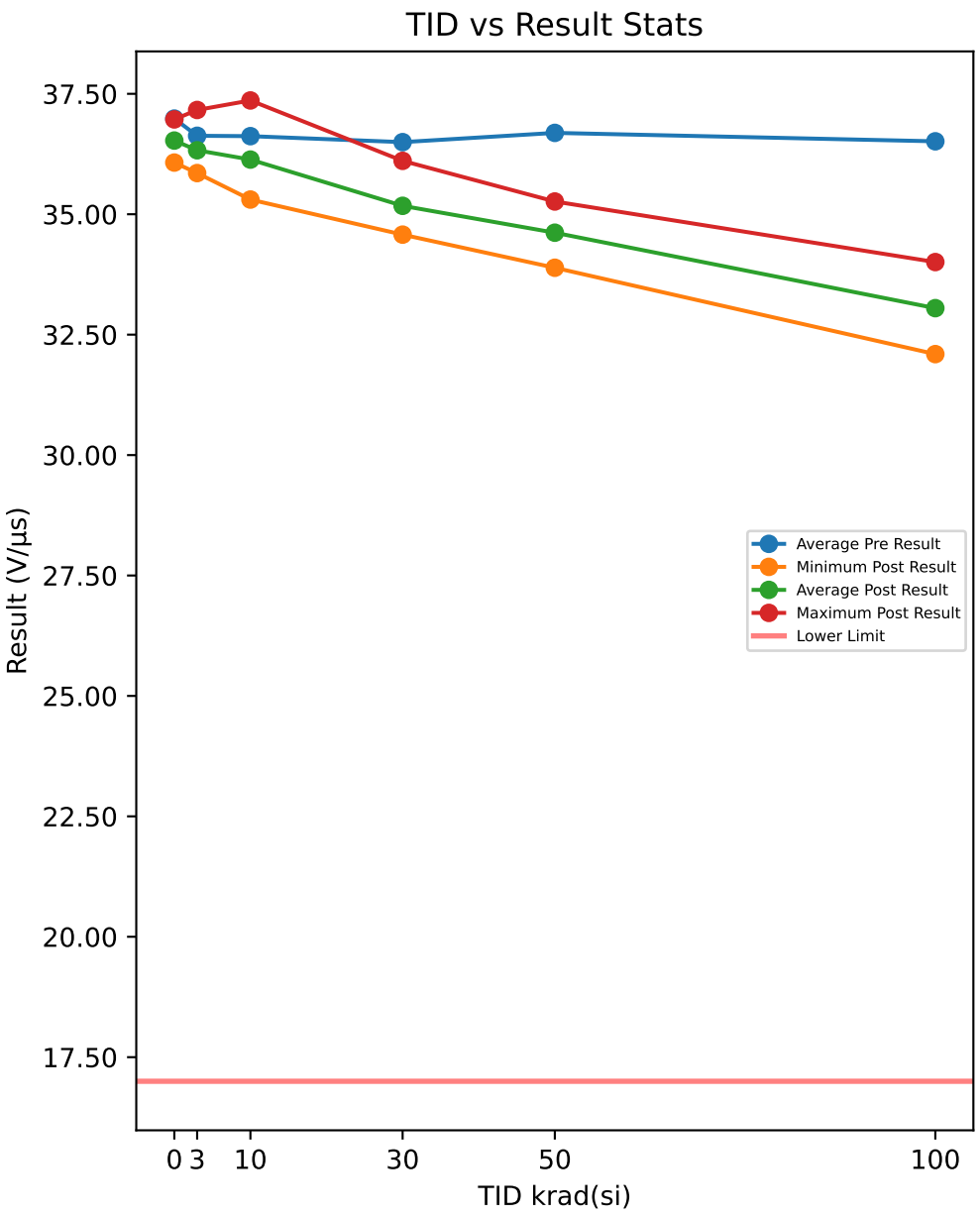
Test Results (Lower Limit = 17.0 (V/µs))

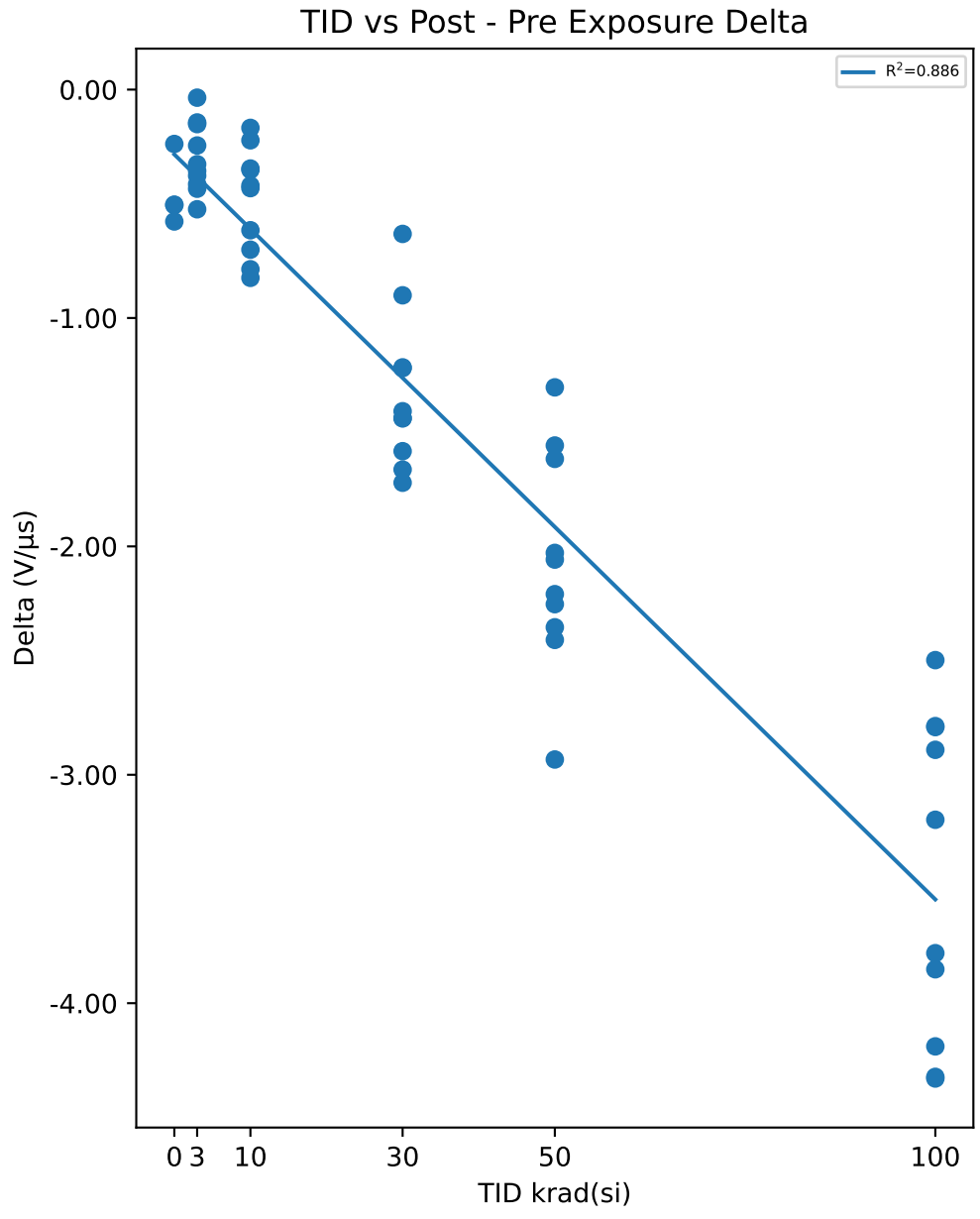
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	35.547	35.702	0.1543
3	3	Biased	35.941	36.178	0.2369
4	3	Biased	36.913	37.168	0.2557
5	3	Biased	35.415	35.907	0.4914
6	3	Biased	36.77	36.508	-0.2614
7	3	Unbiased	36.365	36.042	-0.323
8	3	Unbiased	36.118	36.43	0.312
9	3	Unbiased	36.002	35.732	-0.2698
10	3	Unbiased	36.637	36.196	-0.4406
11	3	Unbiased	35.395	35.663	0.2679
12	10	Unbiased	35.89	35.245	-0.6454
13	10	Unbiased	35.443	34.937	-0.5056
14	10	Unbiased	35.83	35.599	-0.2308
15	10	Unbiased	35.488	35.46	-0.028
16	10	Unbiased	36.603	36.048	-0.5553
17	10	Biased	35.908	35.942	0.0345
18	10	Biased	36.288	35.935	-0.3527
19	10	Biased	37.682	37.398	-0.2842
20	10	Biased	36.252	36.045	-0.207
21	10	Biased	35.932	35.846	-0.0855
22	30	Biased	35.728	35.043	-0.685
23	30	Biased	35.192	34.748	-0.4439
24	30	Biased	35.209	34.773	-0.436
25	30	Biased	36.566	35.78	-0.7854
26	30	Biased	35.942	35.165	-0.7773
27	30	Unbiased	36.17	34.691	-1.4788
28	30	Unbiased	35.434	34.554	-0.8808
29	30	Unbiased	36.474	34.898	-1.5766
30	30	Unbiased	36.113	34.512	-1.6014
31	30	Unbiased	36.676	34.942	-1.7345
32	50	Biased	36.56	34.957	-1.6032
33	50	Biased	35.812	34.976	-0.8357
34	50	Biased	35.385	34.551	-0.8337
35	50	Biased	35.934	34.523	-1.4115
36	50	Biased	35.137	34.409	-0.7279
37	50	Unbiased	35.919	33.877	-2.0416
39	50	Unbiased	36.382	33.782	-2.5993
40	50	Unbiased	36.188	34.567	-1.621
41	50	Unbiased	35.994	33.402	-2.592
42	50	Unbiased	36.139	33.781	-2.3577
43	100	Biased	36.528	33.918	-2.6098
44	100	Biased	35.664	33.201	-2.463
45	100	Biased	35.68	33.187	-2.4927
46	100	Biased	35.706	33.561	-2.1456
47	100	Biased	36.041	33.661	-2.3802
48	100	Unbiased	36.025	31.952	-4.0726
49	100	Unbiased	36.359	31.96	-4.399
50	100	Unbiased	36.446	32.423	-4.0221
51	100	Unbiased	36.066	32.231	-3.835
52	100	Unbiased	35.975	31.79	-4.1845
53	0	Correlation	36.301	36.217	-0.0841
54	0	Correlation	36.04	36.019	-0.021
55	0	Correlation	37.105	36.891	-0.2146
56	0	Correlation	36.048	36.034	-0.0142

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	36.04	36.374	37.105	0.50257	36.019	36.29	36.891	0.41032	-0.2146	-0.083475	-0.0142	0.092909
3	35.395	36.11	36.913	0.55512	35.663	36.153	37.168	0.46318	-0.4406	0.04234	0.4914	0.32957
10	35.443	36.132	37.682	0.64924	34.937	35.846	37.398	0.6586	-0.6454	-0.286	0.0345	0.22928
30	35.192	35.95	36.676	0.54723	34.512	34.91	35.78	0.36814	-1.7345	-1.04	-0.436	0.50369
50	35.137	35.945	36.56	0.42844	33.402	34.283	34.976	0.53792	-2.5993	-1.6624	-0.7279	0.72117
100	35.664	36.049	36.528	0.31467	31.79	32.788	33.918	0.8019	-4.399	-3.2605	-2.1456	0.90593

Device Test: 19.14; RESET_SLEW_RATE_RISE





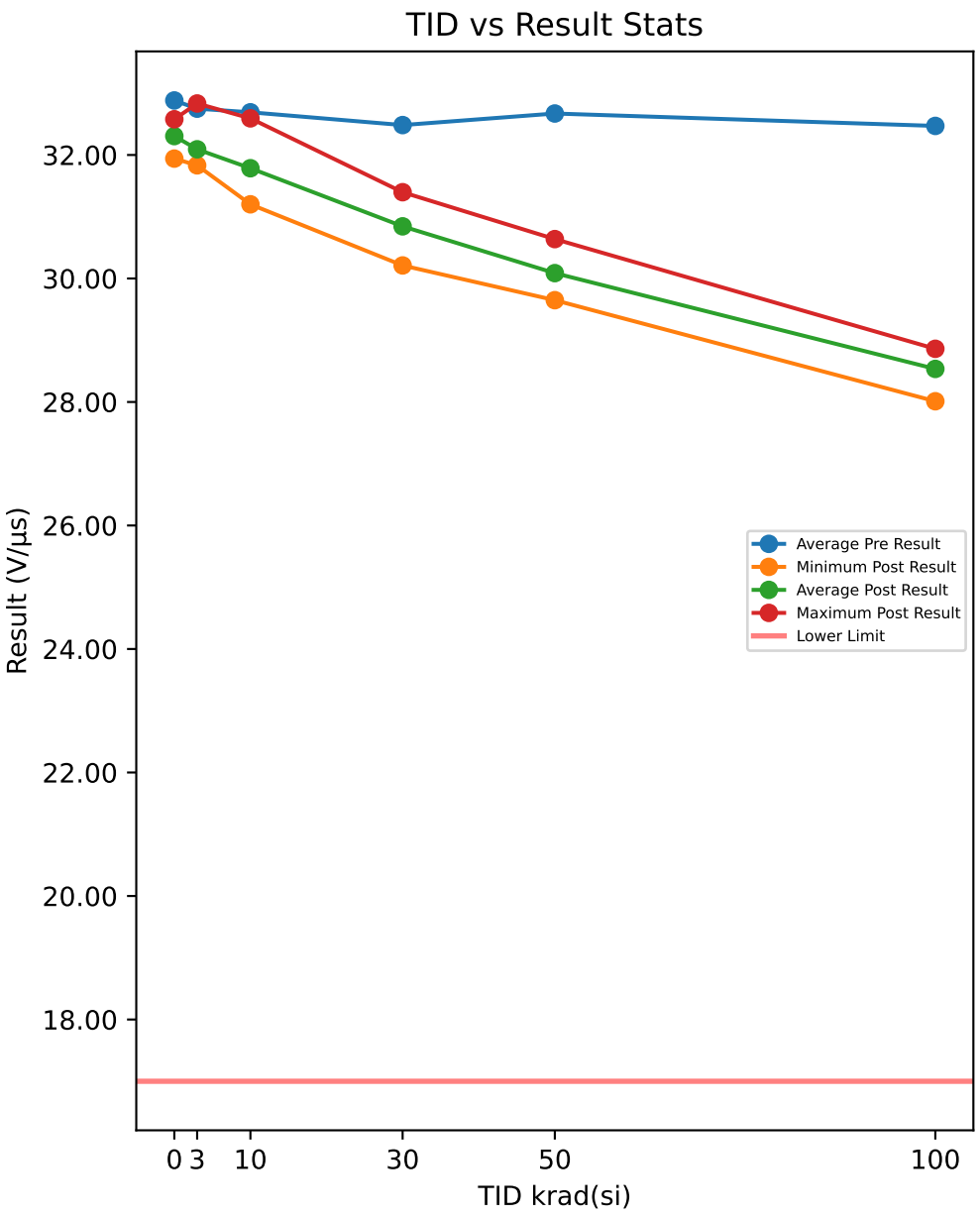
Test Results (Lower Limit = 17.0 (V/µs))

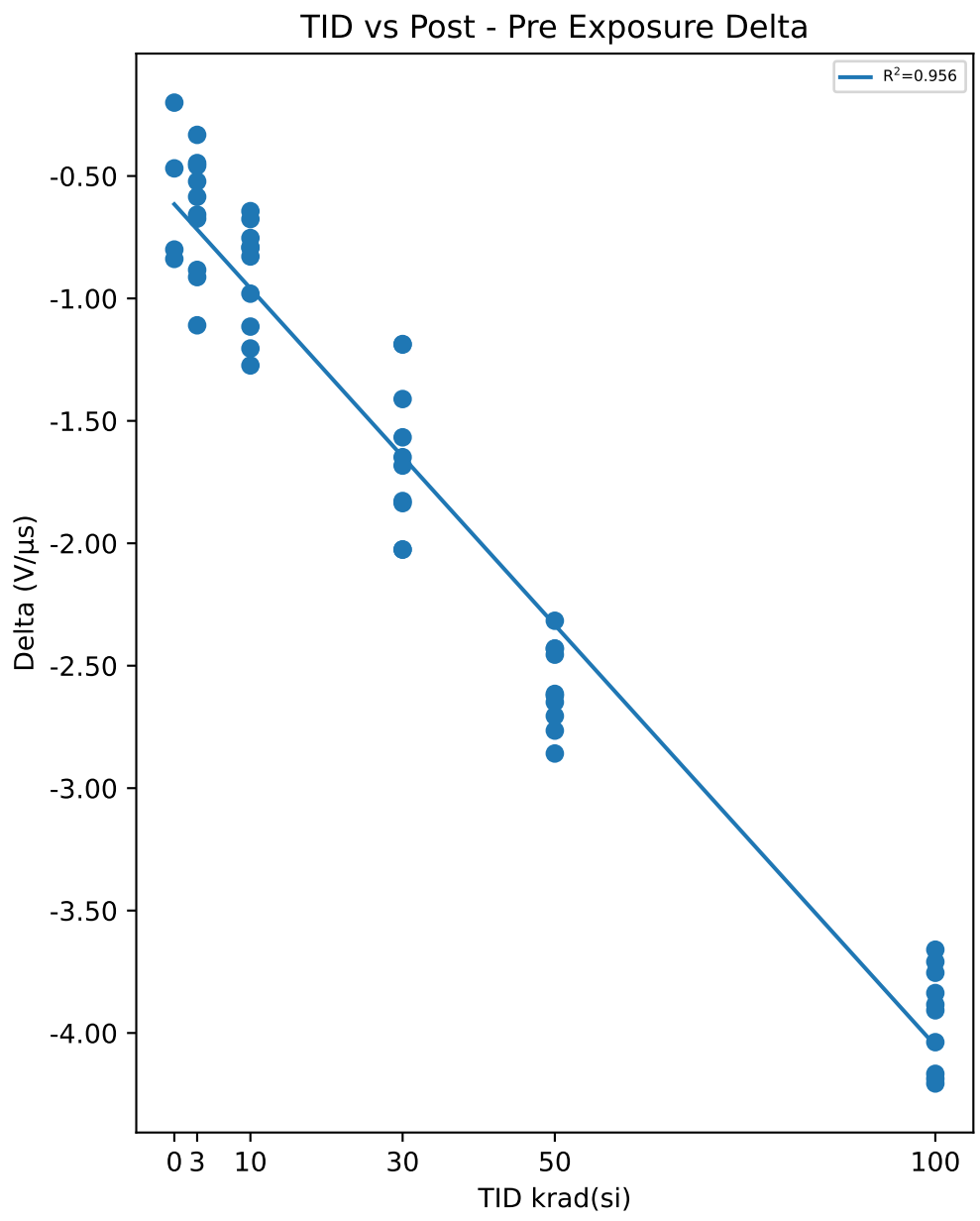
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	36.055	35.911	-0.1439
3	3	Biased	37.002	36.588	-0.4141
4	3	Biased	37.521	37.165	-0.3559
5	3	Biased	36.031	35.995	-0.0354
6	3	Biased	37.029	36.652	-0.3768
7	3	Unbiased	36.367	36.122	-0.2448
8	3	Unbiased	36.564	36.237	-0.3268
9	3	Unbiased	36.305	36.154	-0.1511
10	3	Unbiased	37.126	36.602	-0.524
11	3	Unbiased	36.289	35.855	-0.434
12	10	Unbiased	36.134	35.518	-0.6158
13	10	Unbiased	36.092	35.305	-0.7866
14	10	Unbiased	36.198	35.852	-0.3456
15	10	Unbiased	36.328	35.908	-0.42
16	10	Unbiased	37.226	36.402	-0.8242
17	10	Biased	36.598	36.167	-0.4314
18	10	Biased	36.495	36.273	-0.222
19	10	Biased	38.063	37.362	-0.7009
20	10	Biased	36.382	36.214	-0.1676
21	10	Biased	36.695	36.344	-0.3513
22	30	Biased	36.65	35.431	-1.2194
23	30	Biased	35.559	34.927	-0.6319
24	30	Biased	35.952	35.051	-0.9007
25	30	Biased	37.325	36.108	-1.2162
26	30	Biased	37.04	35.601	-1.4393
27	30	Unbiased	36.173	34.764	-1.4083
28	30	Unbiased	36.23	34.791	-1.4386
29	30	Unbiased	36.831	35.11	-1.7213
30	30	Unbiased	36.24	34.577	-1.6637
31	30	Unbiased	36.971	35.388	-1.5832
32	50	Biased	37.293	35.265	-2.0285
33	50	Biased	36.995	34.937	-2.0578
34	50	Biased	36.54	34.923	-1.6169
35	50	Biased	36.399	34.84	-1.5583
36	50	Biased	35.989	34.686	-1.3037
37	50	Unbiased	36.45	34.197	-2.253
39	50	Unbiased	37.231	34.297	-2.9331
40	50	Unbiased	36.848	34.639	-2.2091
41	50	Unbiased	36.298	33.889	-2.4094
42	50	Unbiased	36.848	34.494	-2.3543
43	100	Biased	36.898	34.007	-2.8907
44	100	Biased	36.432	33.64	-2.7913
45	100	Biased	36.639	33.442	-3.1969
46	100	Biased	36.455	33.957	-2.498
47	100	Biased	36.518	33.731	-2.7869
48	100	Unbiased	36.562	32.373	-4.1892
49	100	Unbiased	35.948	32.096	-3.8516
50	100	Unbiased	36.341	32.56	-3.7811
51	100	Unbiased	36.853	32.523	-4.3298
52	100	Unbiased	36.496	32.173	-4.3226
53	0	Correlation	37.279	36.702	-0.5774
54	0	Correlation	36.311	36.073	-0.2381
55	0	Correlation	37.474	36.968	-0.5057
56	0	Correlation	36.879	36.375	-0.5038

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	36.311	36.986	37.474	0.51359	36.073	36.529	36.968	0.38929	-0.5774	-0.45625	-0.2381	0.14941
3	36.031	36.629	37.521	0.50798	35.855	36.328	37.165	0.41331	-0.524	-0.30068	-0.0354	0.15293
10	36.092	36.621	38.063	0.60629	35.305	36.135	37.362	0.56263	-0.8242	-0.48654	-0.1676	0.23191
30	35.559	36.497	37.325	0.55374	34.577	35.175	36.108	0.46166	-1.7213	-1.3223	-0.6319	0.34233
50	35.989	36.689	37.293	0.4227	33.889	34.617	35.265	0.40747	-2.9331	-2.0724	-1.3037	0.47726
100	35.948	36.514	36.898	0.26692	32.096	33.05	34.007	0.77178	-4.3298	-3.4638	-2.498	0.70771

Device Test: 19.15; RESET_SLEW_RATE_RISE





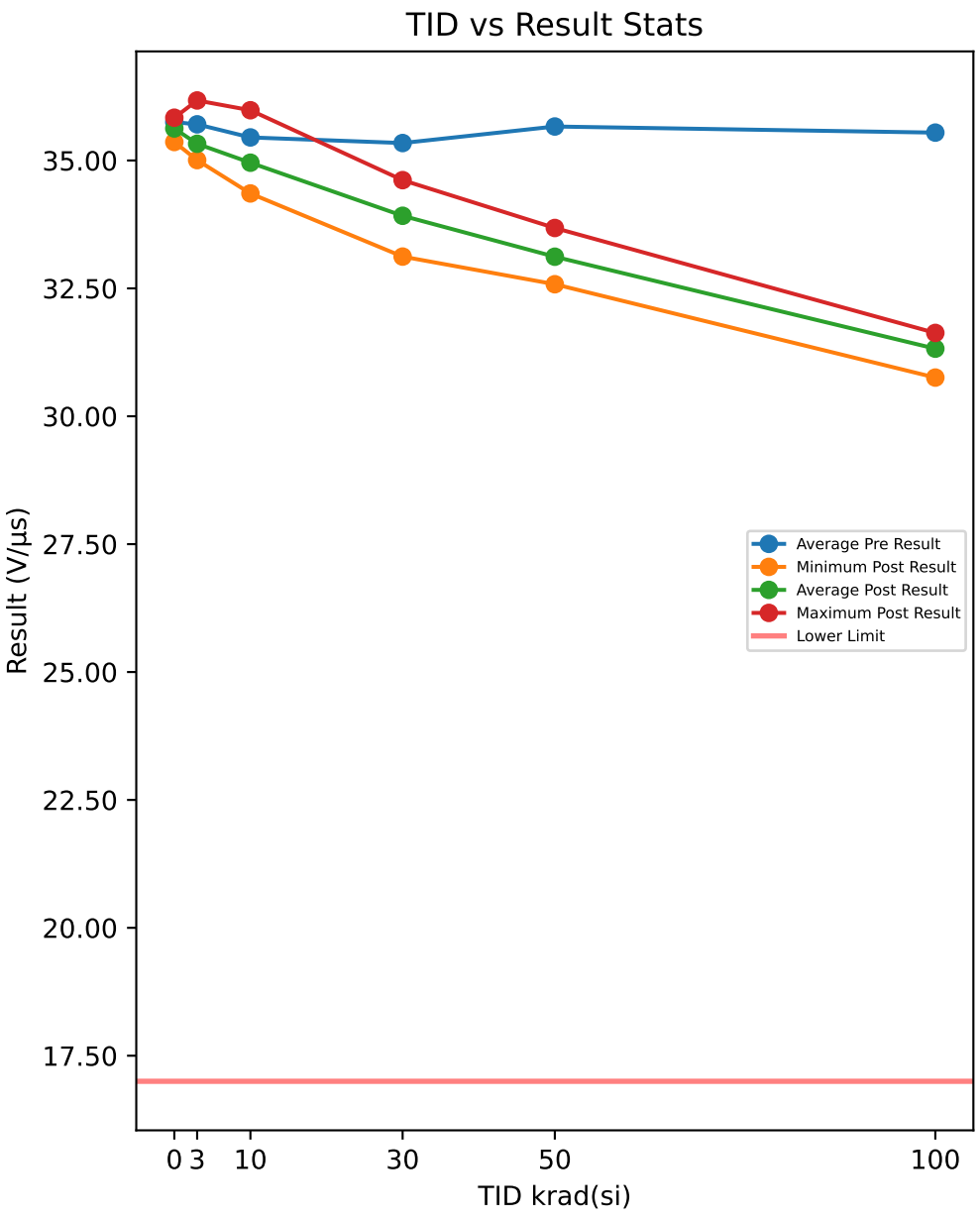
Test Results (Lower Limit = 17.0 (V/µs))

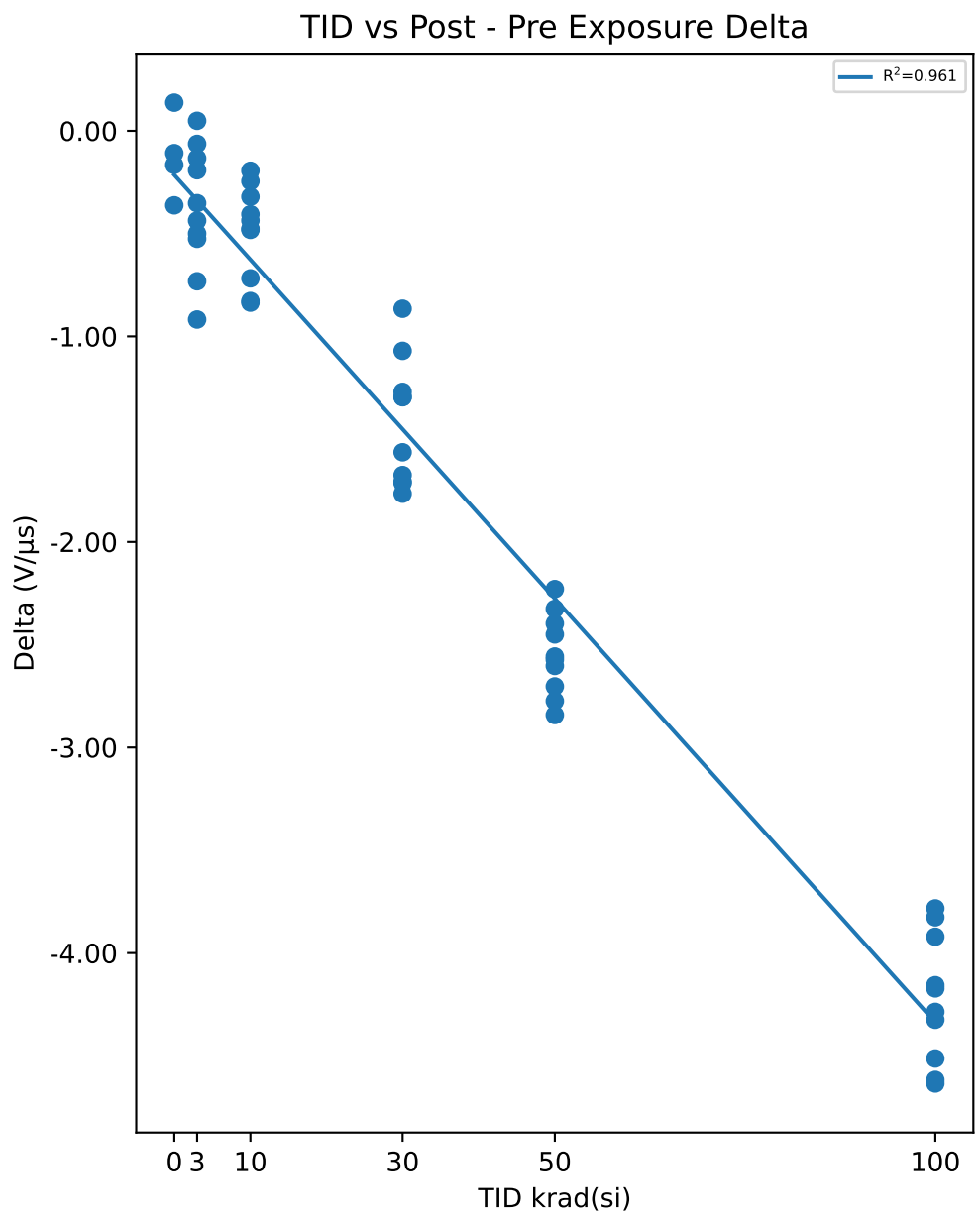
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	32.506	31.832	-0.6739
3	3	Biased	32.869	31.986	-0.8834
4	3	Biased	33.492	32.834	-0.6579
5	3	Biased	32.407	31.95	-0.4579
6	3	Biased	32.724	32.139	-0.5848
7	3	Unbiased	32.946	31.836	-1.1097
8	3	Unbiased	32.975	32.062	-0.9129
9	3	Unbiased	32.658	32.136	-0.5221
10	3	Unbiased	32.72	32.273	-0.4471
11	3	Unbiased	32.202	31.87	-0.3319
12	10	Unbiased	32.242	31.413	-0.8287
13	10	Unbiased	31.845	31.201	-0.6435
14	10	Unbiased	32.492	31.701	-0.7906
15	10	Unbiased	32.434	31.758	-0.6757
16	10	Unbiased	33.036	31.922	-1.115
17	10	Biased	33.079	31.875	-1.2044
18	10	Biased	32.65	31.67	-0.9805
19	10	Biased	33.867	32.593	-1.2737
20	10	Biased	32.495	31.742	-0.7532
21	10	Biased	32.773	31.979	-0.7931
22	30	Biased	32.591	30.755	-1.836
23	30	Biased	32.237	30.211	-2.0258
24	30	Biased	32.092	30.409	-1.6827
25	30	Biased	33.224	31.397	-1.8274
26	30	Biased	32.543	30.975	-1.5672
27	30	Unbiased	32.254	30.843	-1.4109
28	30	Unbiased	32.496	30.848	-1.6483
29	30	Unbiased	33.068	31.042	-2.0253
30	30	Unbiased	32.035	30.849	-1.1863
31	30	Unbiased	32.302	31.114	-1.1884
32	50	Biased	32.706	30.39	-2.3164
33	50	Biased	32.529	30.074	-2.4549
34	50	Biased	32.366	29.743	-2.6222
35	50	Biased	32.507	29.649	-2.8586
36	50	Biased	32.444	29.739	-2.7055
37	50	Unbiased	32.653	30.223	-2.4299
39	50	Unbiased	32.734	30.303	-2.4305
40	50	Unbiased	33.287	30.638	-2.6491
41	50	Unbiased	32.518	29.903	-2.6151
42	50	Unbiased	32.97	30.205	-2.765
43	100	Biased	32.482	28.728	-3.7541
44	100	Biased	32.588	28.55	-4.0376
45	100	Biased	32.178	28.012	-4.1668
46	100	Biased	32.746	28.559	-4.187
47	100	Biased	32.258	28.421	-3.8369
48	100	Unbiased	32.312	28.404	-3.9074
49	100	Unbiased	32.327	28.618	-3.7091
50	100	Unbiased	32.521	28.861	-3.6598
51	100	Unbiased	32.689	28.805	-3.8841
52	100	Unbiased	32.605	28.399	-4.2062
53	0	Correlation	32.906	32.437	-0.4688
54	0	Correlation	32.78	31.941	-0.8386
55	0	Correlation	33.379	32.578	-0.8003
56	0	Correlation	32.467	32.267	-0.2003

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	32.467	32.883	33.379	0.37837	31.941	32.306	32.578	0.27437	-0.8386	-0.577	-0.2003	0.30106
3	32.202	32.75	33.492	0.35592	31.832	32.092	32.834	0.29844	-1.1097	-0.65816	-0.3319	0.24376
10	31.845	32.691	33.867	0.55006	31.201	31.785	32.593	0.36809	-1.2737	-0.90584	-0.6435	0.22381
30	32.035	32.484	33.224	0.39527	30.211	30.844	31.397	0.33873	-2.0258	-1.6398	-1.1863	0.30556
50	32.366	32.671	33.287	0.27678	29.649	30.087	30.638	0.32317	-2.8586	-2.5847	-2.3164	0.17165
100	32.178	32.471	32.746	0.19275	28.012	28.536	28.861	0.24643	-4.2062	-3.9349	-3.6598	0.20379

Device Test: 19.16; RESET_SLEW_RATE_RISE





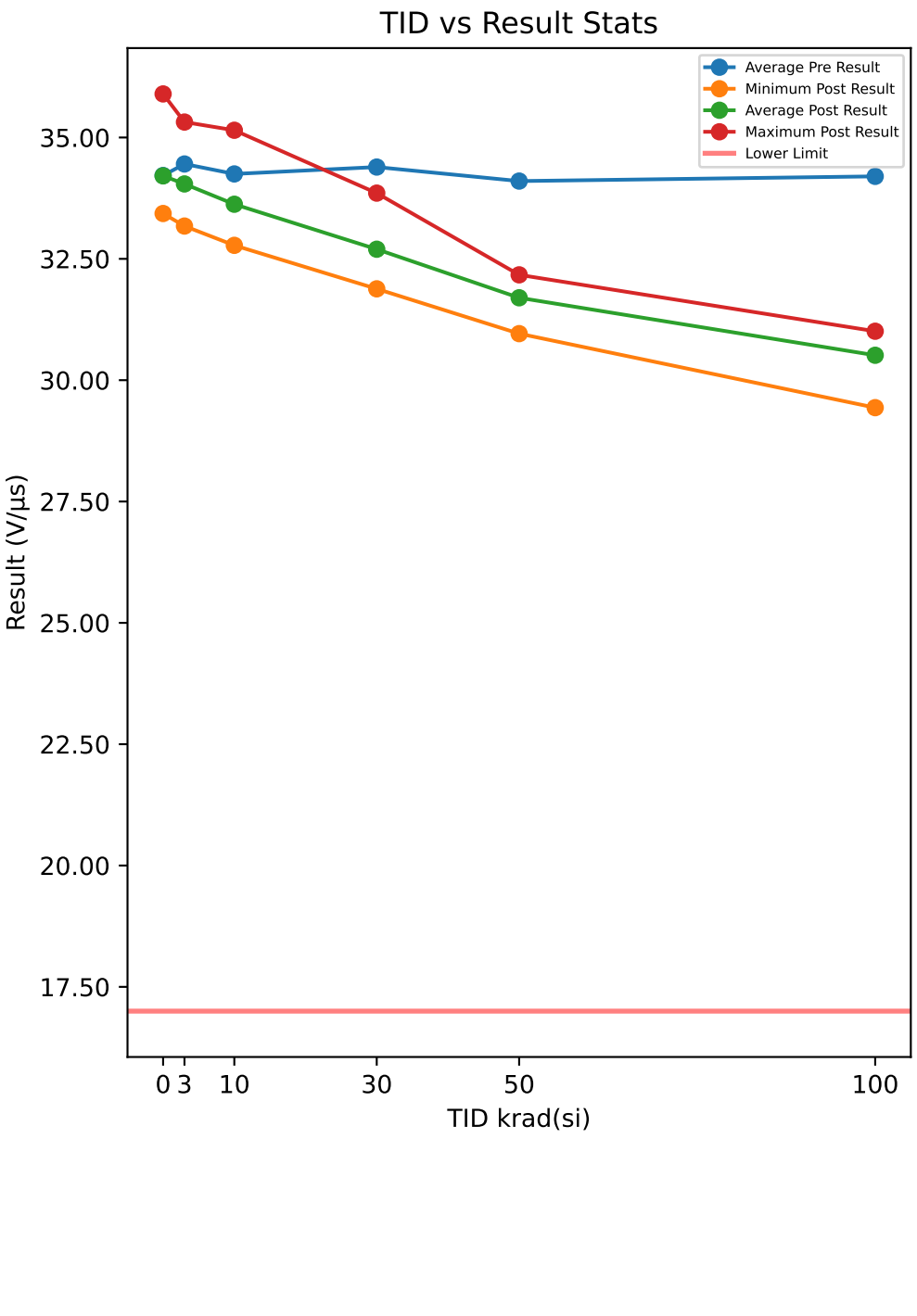
Test Results (Lower Limit = 17.0 (V/µs))

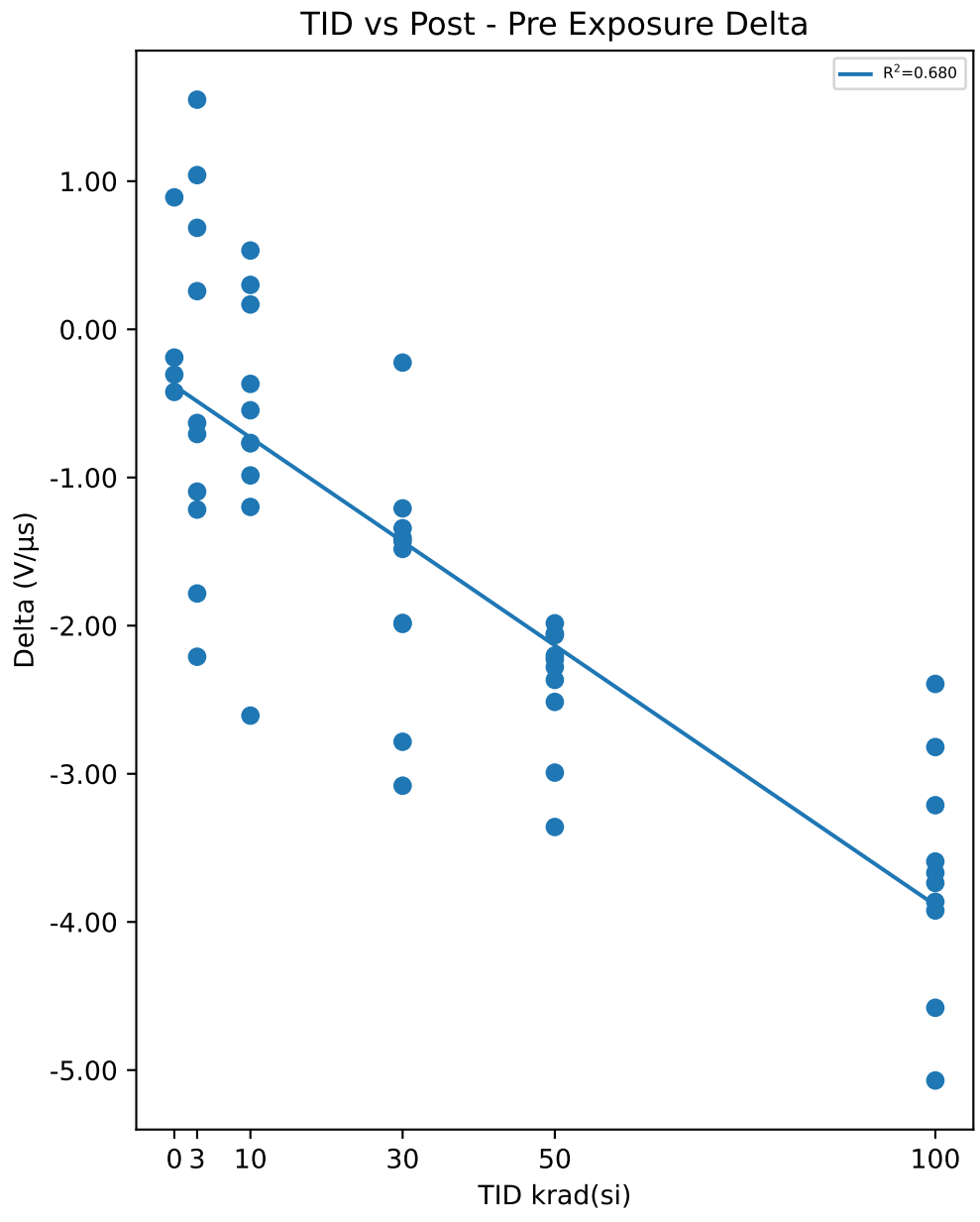
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	36.025	35.107	-0.918
3	3	Biased	35.808	35.282	-0.5253
4	3	Biased	36.237	36.173	-0.0635
5	3	Biased	35.339	35.147	-0.1917
6	3	Biased	35.704	35.204	-0.4999
7	3	Unbiased	35.739	35.007	-0.7318
8	3	Unbiased	35.182	35.231	0.0488
9	3	Unbiased	35.832	35.48	-0.352
10	3	Unbiased	35.943	35.506	-0.4367
11	3	Unbiased	35.256	35.123	-0.1337
12	10	Unbiased	34.951	34.757	-0.1942
13	10	Unbiased	34.676	34.355	-0.3206
14	10	Unbiased	34.81	34.565	-0.245
15	10	Unbiased	35.682	34.846	-0.8358
16	10	Unbiased	35.585	35.179	-0.4059
17	10	Biased	35.382	34.905	-0.4764
18	10	Biased	35.346	34.91	-0.4362
19	10	Biased	36.7	35.982	-0.7177
20	10	Biased	35.772	34.944	-0.828
21	10	Biased	35.602	35.12	-0.4819
22	30	Biased	35.399	33.686	-1.7137
23	30	Biased	34.415	33.121	-1.2944
24	30	Biased	34.798	33.529	-1.2699
25	30	Biased	36.179	34.616	-1.5638
26	30	Biased	35.724	34.049	-1.6747
27	30	Unbiased	35.235	33.939	-1.296
28	30	Unbiased	35.695	33.93	-1.7652
29	30	Unbiased	35.91	34.205	-1.7059
30	30	Unbiased	35.01	33.94	-1.0704
31	30	Unbiased	35.041	34.175	-0.8655
32	50	Biased	36.132	33.358	-2.7739
33	50	Biased	35.473	33.243	-2.2293
34	50	Biased	35.178	32.606	-2.5721
35	50	Biased	35.48	32.778	-2.703
36	50	Biased	35.138	32.581	-2.5574
37	50	Unbiased	35.832	33.435	-2.3969
39	50	Unbiased	36.097	33.255	-2.8419
40	50	Unbiased	36.006	33.68	-2.3256
41	50	Unbiased	35.564	32.961	-2.6032
42	50	Unbiased	35.739	33.289	-2.45
43	100	Biased	35.276	31.45	-3.826
44	100	Biased	35.884	31.266	-4.6173
45	100	Biased	35.391	30.756	-4.6346
46	100	Biased	35.609	31.437	-4.1719
47	100	Biased	34.991	31.07	-3.9207
48	100	Unbiased	35.226	31.443	-3.7829
49	100	Unbiased	35.541	31.254	-4.2863
50	100	Unbiased	35.785	31.629	-4.1564
51	100	Unbiased	35.983	31.469	-4.5131
52	100	Unbiased	35.761	31.436	-4.3246
53	0	Correlation	35.834	35.668	-0.1657
54	0	Correlation	35.469	35.361	-0.1085
55	0	Correlation	35.699	35.836	0.1371
56	0	Correlation	36	35.638	-0.3624

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	35.469	35.751	36	0.22439	35.361	35.626	35.836	0.1967	-0.3624	-0.12487	0.1371	0.20574
3	35.182	35.706	36.237	0.34611	35.007	35.326	36.173	0.33716	-0.918	-0.38038	0.0488	0.3042
10	34.676	35.451	36.7	0.58052	34.355	34.956	35.982	0.43453	-0.8358	-0.49417	-0.1942	0.22899
30	34.415	35.341	36.179	0.54411	33.121	33.919	34.616	0.40745	-1.7652	-1.4219	-0.8655	0.30841
50	35.138	35.664	36.132	0.35757	32.581	33.119	33.68	0.36968	-2.8419	-2.5453	-2.2293	0.19679
100	34.991	35.544	35.983	0.31954	30.756	31.321	31.629	0.25041	-4.6346	-4.2234	-3.7829	0.31147

Device Test: 19.17; PWRGD_SLEW_RATE_RISE





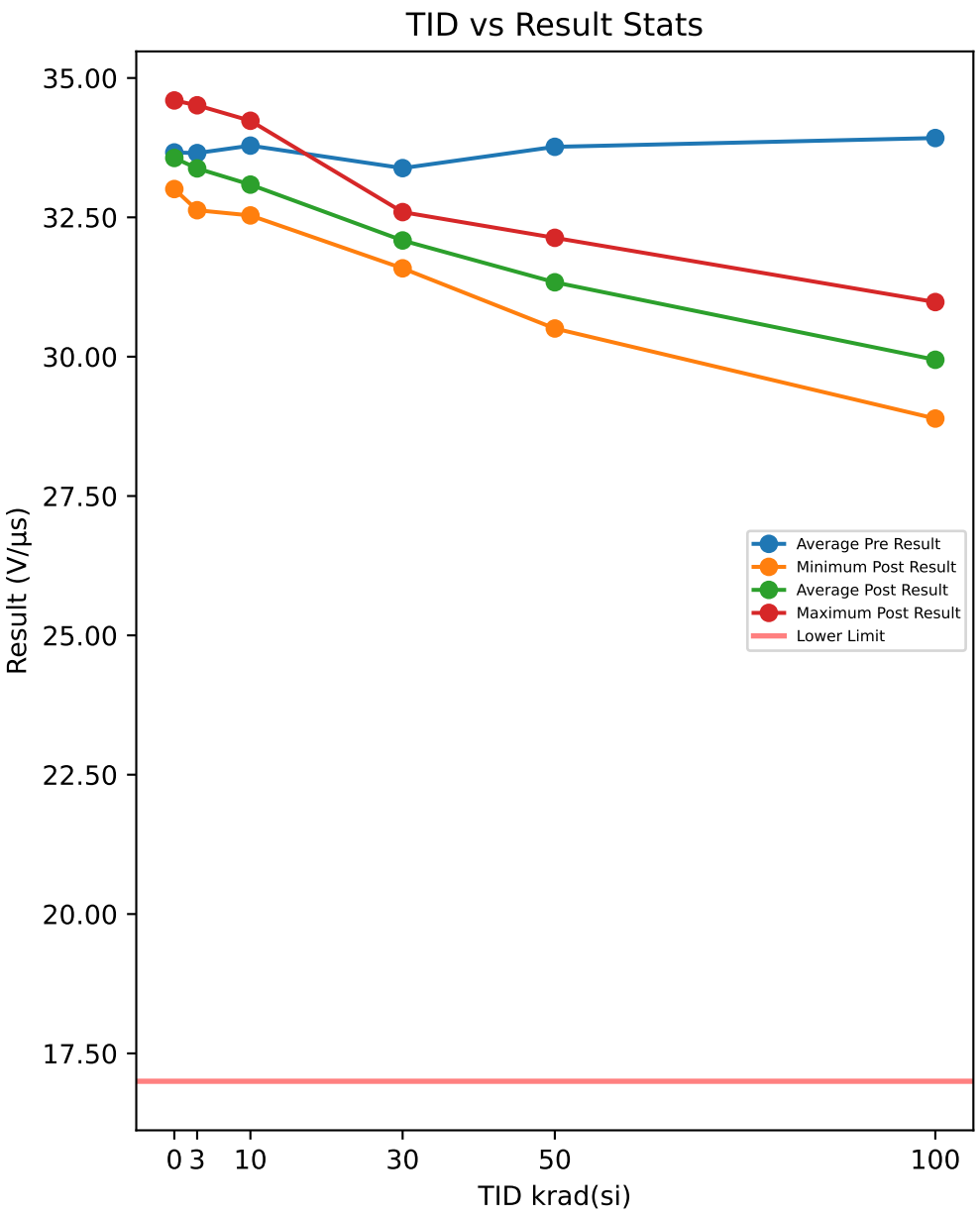
Test Results (Lower Limit = 17.0 (V/µs))

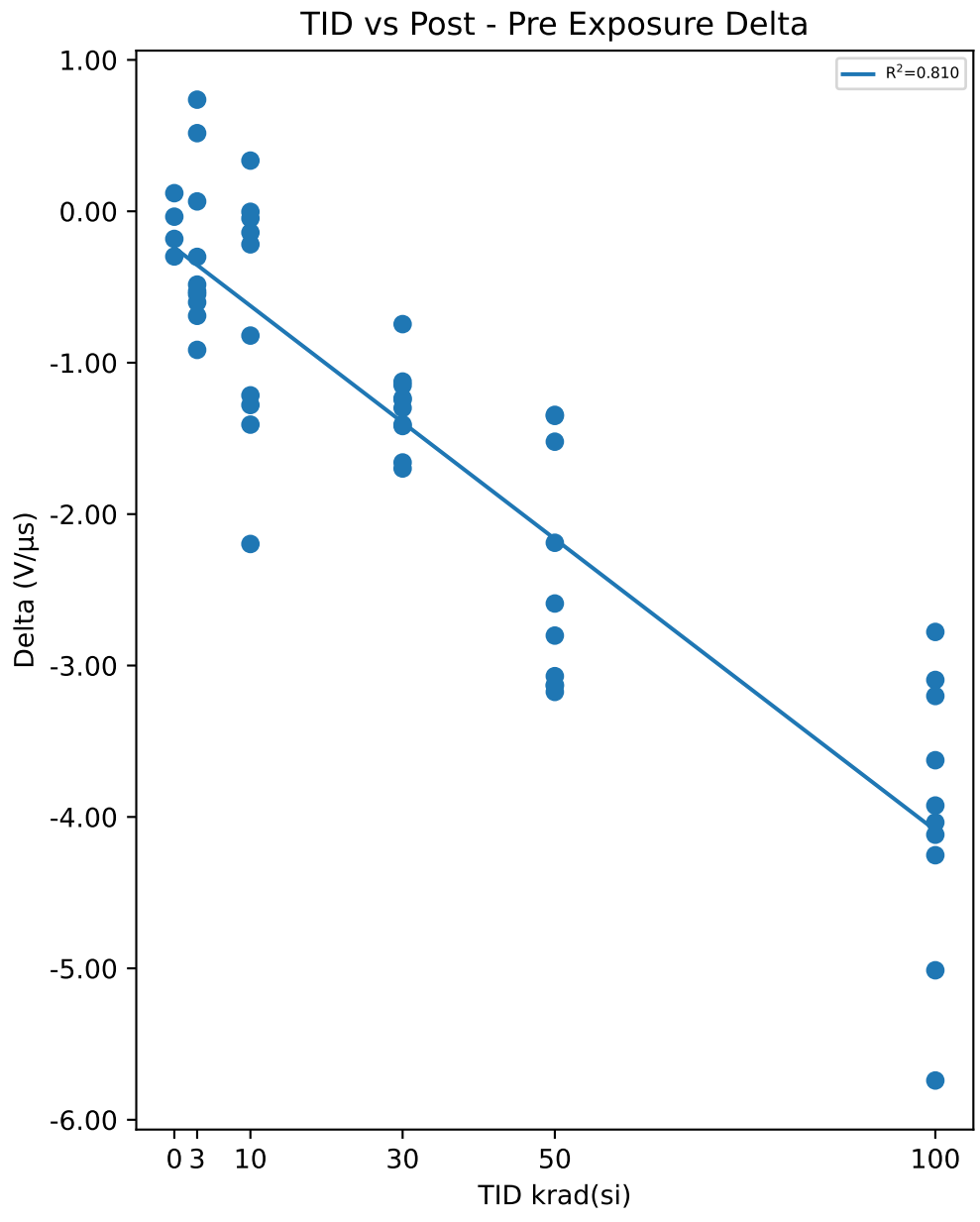
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	35	33.217	-1.7831
3	3	Biased	33.768	35.318	1.5502
4	3	Biased	33.783	34.824	1.0409
5	3	Biased	35.5	34.868	-0.632
6	3	Biased	35.428	33.218	-2.2099
7	3	Unbiased	33.907	33.2	-0.707
8	3	Unbiased	33.46	34.145	0.6851
9	3	Unbiased	33.862	34.12	0.2577
10	3	Unbiased	35.442	34.347	-1.0953
11	3	Unbiased	34.392	33.175	-1.2167
12	10	Unbiased	35.666	33.059	-2.6074
13	10	Unbiased	33.089	33.257	0.1678
14	10	Unbiased	33.113	33.413	0.2998
15	10	Unbiased	34.08	33.311	-0.7691
16	10	Unbiased	34.617	35.149	0.5321
17	10	Biased	35.309	34.94	-0.3683
18	10	Biased	34.252	33.266	-0.9861
19	10	Biased	33.855	33.309	-0.5463
20	10	Biased	33.977	32.778	-1.1989
21	10	Biased	34.535	33.767	-0.7672
22	30	Biased	33.979	32.497	-1.4821
23	30	Biased	33.09	31.882	-1.2084
24	30	Biased	34.024	32.042	-1.9815
25	30	Biased	35.284	33.854	-1.4302
26	30	Biased	34.643	32.654	-1.9885
27	30	Unbiased	33.403	33.178	-0.2245
28	30	Unbiased	36.096	33.015	-3.0803
29	30	Unbiased	34.722	31.938	-2.7838
30	30	Unbiased	34.638	33.23	-1.4078
31	30	Unbiased	34.033	32.691	-1.3426
32	50	Biased	34.155	31.875	-2.2804
33	50	Biased	34.222	32.021	-2.2015
34	50	Biased	33.364	31.299	-2.0646
35	50	Biased	33.701	31.335	-2.3663
36	50	Biased	33.951	30.959	-2.9919
37	50	Unbiased	33.865	31.881	-1.9843
39	50	Unbiased	35.489	32.13	-3.3591
40	50	Unbiased	34.398	32.17	-2.2272
41	50	Unbiased	33.611	31.557	-2.0539
42	50	Unbiased	34.267	31.752	-2.5147
43	100	Biased	33.735	30.142	-3.5921
44	100	Biased	33.656	30.836	-2.8195
45	100	Biased	33.171	29.434	-3.7368
46	100	Biased	34.797	30.218	-4.5793
47	100	Biased	34.051	30.129	-3.9226
48	100	Unbiased	34.328	30.66	-3.6684
49	100	Unbiased	34.848	30.984	-3.8641
50	100	Unbiased	34.169	30.957	-3.2121
51	100	Unbiased	36.079	31.009	-5.0702
52	100	Unbiased	33.159	30.766	-2.3934
53	0	Correlation	35.007	35.898	0.8907
54	0	Correlation	33.74	33.434	-0.3057
55	0	Correlation	34.032	33.609	-0.4226
56	0	Correlation	34.088	33.898	-0.1906

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	33.74	34.217	35.007	0.54848	33.434	34.21	35.898	1.1414	-0.4226	-0.00705	0.8907	0.60595
3	33.46	34.454	35.5	0.80821	33.175	34.043	35.318	0.80627	-2.2099	-0.41101	1.5502	1.2461
10	33.089	34.249	35.666	0.83277	32.778	33.625	35.149	0.79013	-2.6074	-0.62436	0.5321	0.90218
30	33.09	34.391	36.096	0.88434	31.882	32.698	33.854	0.6383	-3.0803	-1.693	-0.2245	0.81609
50	33.364	34.102	35.489	0.58507	30.959	31.698	32.17	0.39981	-3.3591	-2.4044	-1.9843	0.44384
100	33.159	34.199	36.079	0.88206	29.434	30.513	31.009	0.5154	-5.0702	-3.6858	-2.3934	0.77886

Device Test: 19.18; WDO_SLEW_RATE_RISE





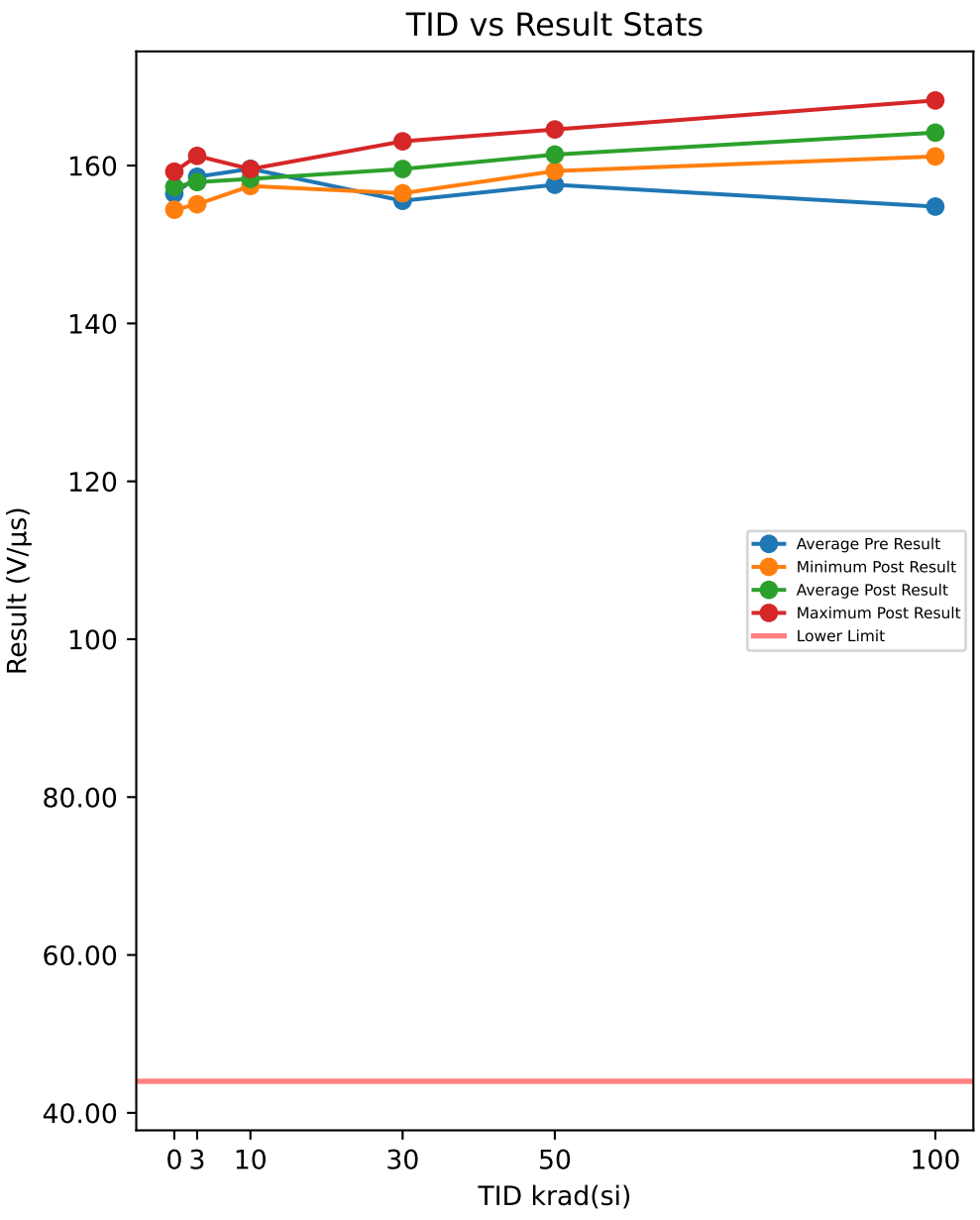
Test Results (Lower Limit = 17.0 (V/µs))

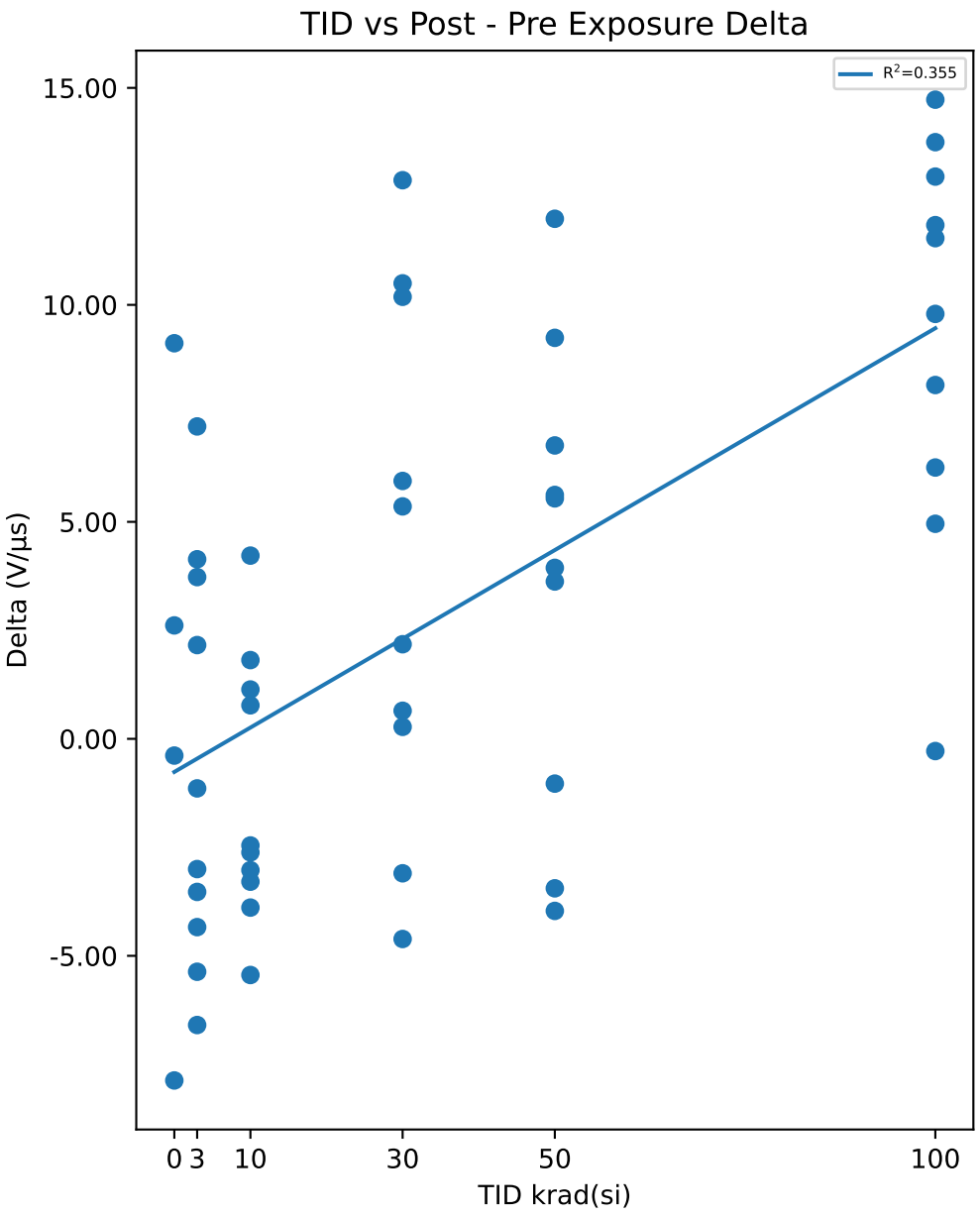
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	33.495	34.233	0.7373
3	3	Biased	33.612	33.677	0.0652
4	3	Biased	34.044	33.353	-0.6904
5	3	Biased	33.627	33.326	-0.301
6	3	Biased	33.229	32.628	-0.6012
7	3	Unbiased	33.664	33.18	-0.484
8	3	Unbiased	33.582	32.667	-0.9153
9	3	Unbiased	33.764	33.216	-0.5475
10	3	Unbiased	33.994	34.51	0.5161
11	3	Unbiased	33.519	32.99	-0.5288
12	10	Unbiased	33.355	32.534	-0.8209
13	10	Unbiased	33.25	33.11	-0.1403
14	10	Unbiased	33.319	33.272	-0.0464
15	10	Unbiased	33.995	32.78	-1.2156
16	10	Unbiased	34.06	32.651	-1.4089
17	10	Biased	35.034	32.837	-2.1972
18	10	Biased	32.942	32.939	-0.0033
19	10	Biased	34.313	33.033	-1.2794
20	10	Biased	33.898	34.233	0.3348
21	10	Biased	33.7	33.482	-0.2183
22	30	Biased	33.246	32.122	-1.1244
23	30	Biased	33.114	31.879	-1.2347
24	30	Biased	33.244	31.585	-1.6588
25	30	Biased	34.012	32.594	-1.4182
26	30	Biased	33.341	32.042	-1.2991
27	30	Unbiased	32.787	32.041	-0.7452
28	30	Unbiased	33.694	32.286	-1.4079
29	30	Unbiased	33.083	31.934	-1.1495
30	30	Unbiased	33.062	31.818	-1.244
31	30	Unbiased	34.248	32.549	-1.6986
32	50	Biased	34.688	31.554	-3.1339
33	50	Biased	33.772	31.583	-2.1893
34	50	Biased	33.55	30.748	-2.8022
35	50	Biased	32.731	31.38	-1.3514
36	50	Biased	33.096	30.506	-2.5904
37	50	Unbiased	33.96	30.832	-3.1281
39	50	Unbiased	34.96	31.89	-3.0702
40	50	Unbiased	33.654	32.132	-1.5216
41	50	Unbiased	34.537	31.363	-3.1743
42	50	Unbiased	32.703	31.359	-1.3444
43	100	Biased	33.048	30.27	-2.7781
44	100	Biased	34.013	30.388	-3.6254
45	100	Biased	34.63	28.89	-5.7407
46	100	Biased	34.212	30.095	-4.1174
47	100	Biased	33.396	29.36	-4.0363
48	100	Unbiased	34.452	29.439	-5.0128
49	100	Unbiased	34.568	30.315	-4.2528
50	100	Unbiased	33.429	29.504	-3.9247
51	100	Unbiased	34.181	30.98	-3.2013
52	100	Unbiased	33.298	30.203	-3.0952
53	0	Correlation	33.322	33.442	0.1197
54	0	Correlation	33.306	33.008	-0.2983
55	0	Correlation	34.779	34.597	-0.1824
56	0	Correlation	33.249	33.214	-0.0356

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	33.249	33.664	34.779	0.74418	33.008	33.565	34.597	0.71052	-0.2983	-0.09915	0.1197	0.18122
3	33.229	33.653	34.044	0.23843	32.628	33.378	34.51	0.61379	-0.9153	-0.27496	0.7373	0.54143
10	32.942	33.787	35.034	0.61262	32.534	33.087	34.233	0.49221	-2.1972	-0.69955	0.3348	0.80891
30	32.787	33.383	34.248	0.4595	31.585	32.085	32.594	0.31726	-1.6986	-1.298	-0.7452	0.27525
50	32.703	33.765	34.96	0.78985	30.506	31.335	32.132	0.51005	-3.1743	-2.4306	-1.3444	0.76999
100	33.048	33.923	34.63	0.58029	28.89	29.944	30.98	0.62408	-5.7407	-3.9785	-2.7781	0.89603

Device Test: 19.19; RESET_SLEW_RATE_FALL





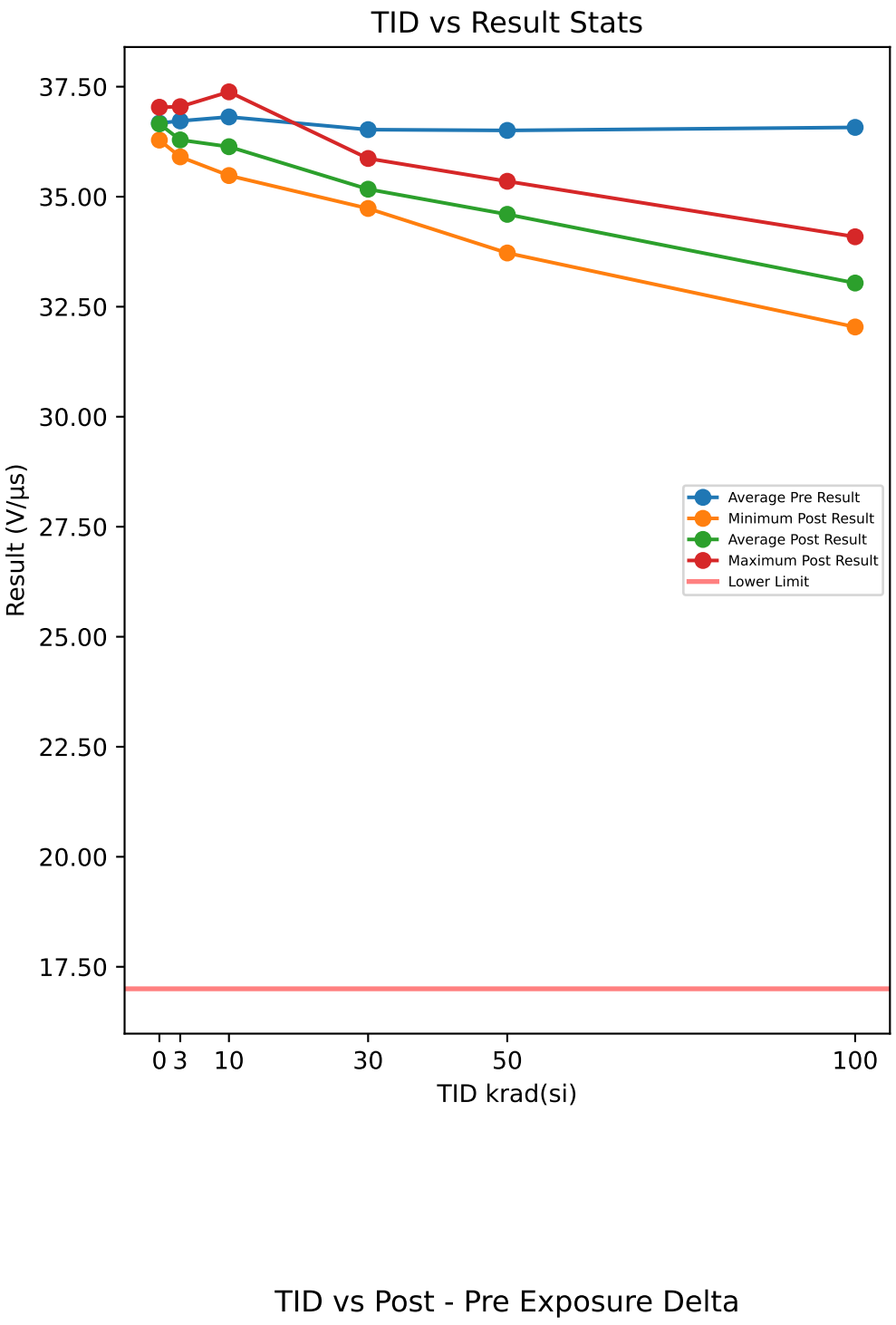
Test Results (Lower Limit = 44.0 (V/µs))

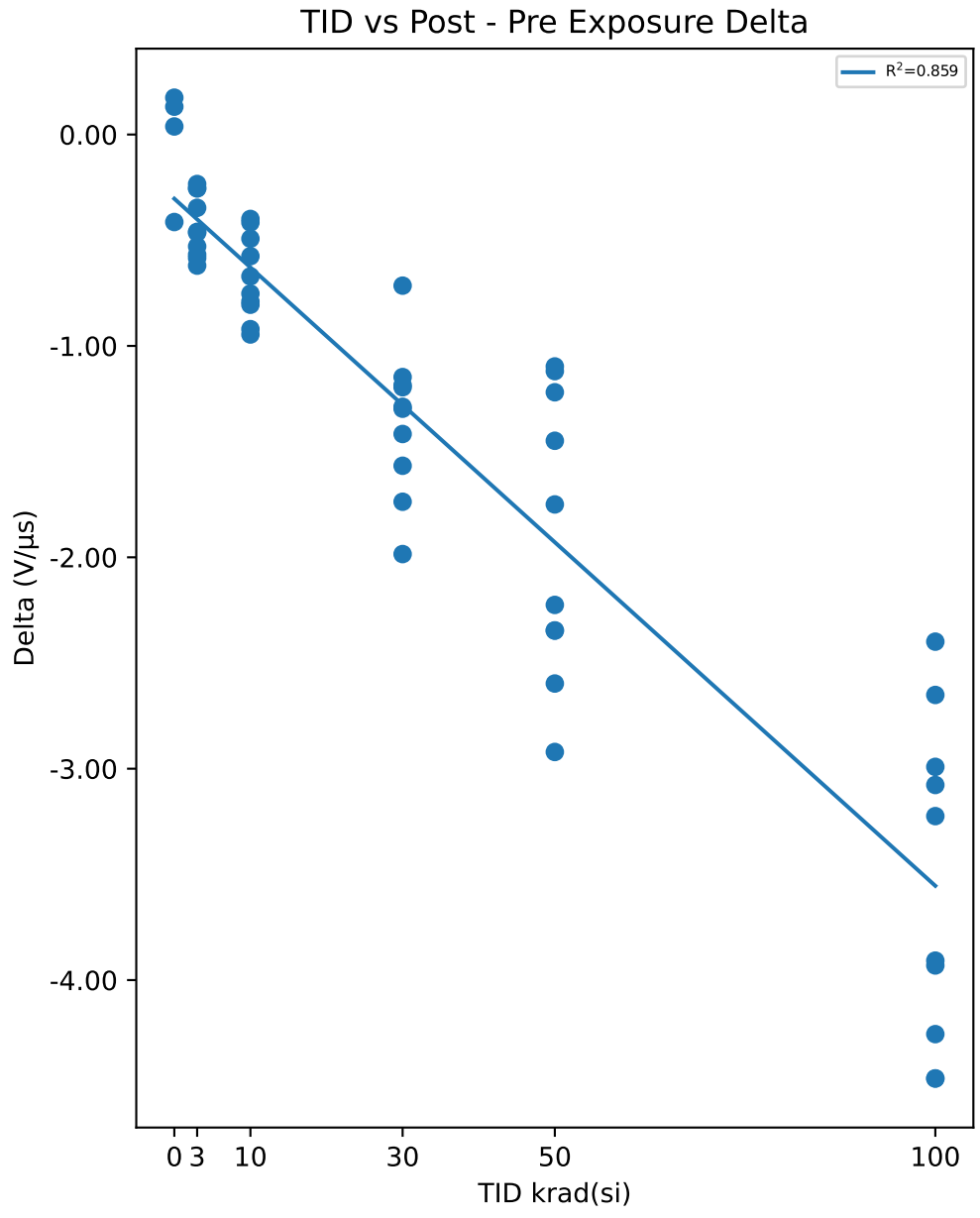
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	153.27	156.99	3.7271
3	3	Biased	164.55	157.96	-6.5946
4	3	Biased	163.81	159.47	-4.3386
5	3	Biased	160.46	155.1	-5.3674
6	3	Biased	151.46	158.65	7.1986
7	3	Unbiased	162.3	158.77	-3.5274
8	3	Unbiased	158.95	155.95	-3.0011
9	3	Unbiased	154.29	156.45	2.1605
10	3	Unbiased	162.37	161.23	-1.1419
11	3	Unbiased	154.38	158.52	4.1381
12	10	Unbiased	157.54	158.68	1.1368
13	10	Unbiased	159.98	157.53	-2.4568
14	10	Unbiased	161.35	157.46	-3.8885
15	10	Unbiased	163.77	158.33	-5.442
16	10	Unbiased	161.37	158.08	-3.2916
17	10	Biased	160.52	157.5	-3.0263
18	10	Biased	155.21	159.44	4.222
19	10	Biased	158.36	159.14	0.7722
20	10	Biased	155.59	157.41	1.8147
21	10	Biased	162.17	159.56	-2.6174
22	30	Biased	149.82	160.31	10.496
23	30	Biased	157.72	163.07	5.3561
24	30	Biased	149.24	162.11	12.872
25	30	Biased	161.11	156.49	-4.6121
26	30	Biased	150.92	161.1	10.185
27	30	Unbiased	152.62	158.56	5.9426
28	30	Unbiased	157.04	157.32	0.2761
29	30	Unbiased	155.63	157.81	2.1797
30	30	Unbiased	161.89	158.79	-3.0984
31	30	Unbiased	159.43	160.07	0.6471
32	50	Biased	163.27	159.31	-3.9648
33	50	Biased	149.83	161.81	11.984
34	50	Biased	157.2	163.96	6.7607
35	50	Biased	163.14	159.7	-3.4447
36	50	Biased	160.63	164.57	3.94
37	50	Unbiased	154.5	160.12	5.6202
39	50	Unbiased	152.11	161.35	9.24
40	50	Unbiased	155.82	161.36	5.5409
41	50	Unbiased	160.59	159.56	-1.0318
42	50	Unbiased	158.58	162.2	3.6258
43	100	Biased	153.83	163.62	9.7914
44	100	Biased	163.73	163.45	-0.2817
45	100	Biased	158.49	163.45	4.9552
46	100	Biased	148.54	162.29	13.749
47	100	Biased	152.29	167.01	14.728
48	100	Unbiased	156.41	168.25	11.837
49	100	Unbiased	152.03	164.99	12.956
50	100	Unbiased	153.04	164.58	11.537
51	100	Unbiased	154.78	162.93	8.1529
52	100	Unbiased	154.9	161.15	6.252
53	0	Correlation	164.4	156.53	-7.872
54	0	Correlation	151.79	154.41	2.6136
55	0	Correlation	159.61	159.23	-0.3857
56	0	Correlation	149.95	159.06	9.1156

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	149.95	156.44	164.4	6.7618	154.41	157.31	159.23	2.2939	-7.872	0.86787	9.1156	7.0482
3	151.46	158.58	164.55	4.8294	155.1	157.91	161.23	1.8213	-6.5946	-0.67467	7.1986	4.6765
10	155.21	159.59	163.77	2.8334	157.41	158.31	159.56	0.84954	-5.442	-1.2777	4.222	3.0605
30	149.24	155.54	161.89	4.6646	156.49	159.56	163.07	2.1372	-4.6121	4.0245	12.872	5.942
50	149.83	157.57	163.27	4.5393	159.31	161.39	164.57	1.8175	-3.9648	3.827	11.984	5.2477
100	148.54	154.8	163.73	4.1255	161.15	164.17	168.25	2.1358	-0.2817	9.3677	14.728	4.6614

Device Test: 19.2; RESET_SLEW_RATE_RISE





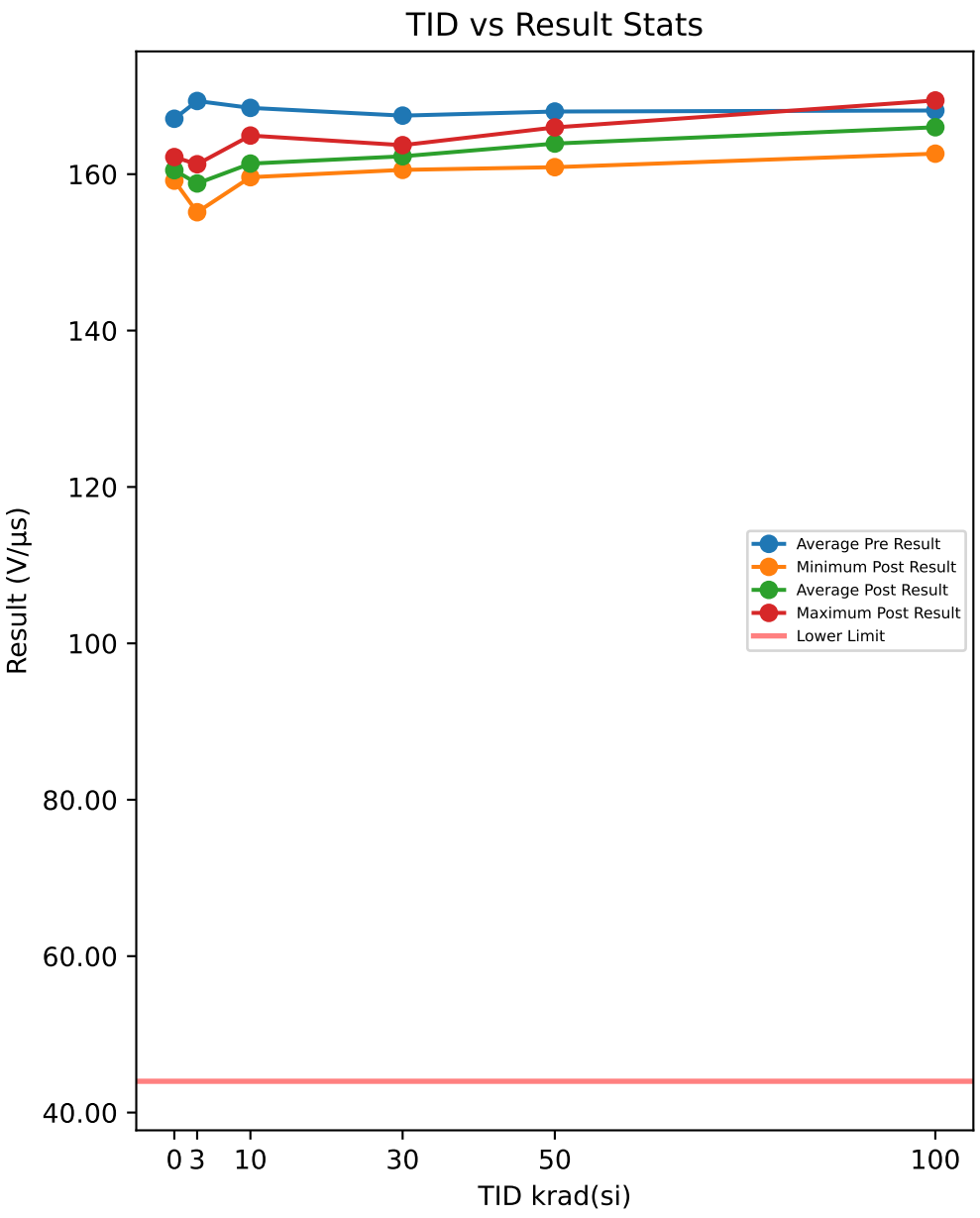
Test Results (Lower Limit = 17.0 (V/µs))

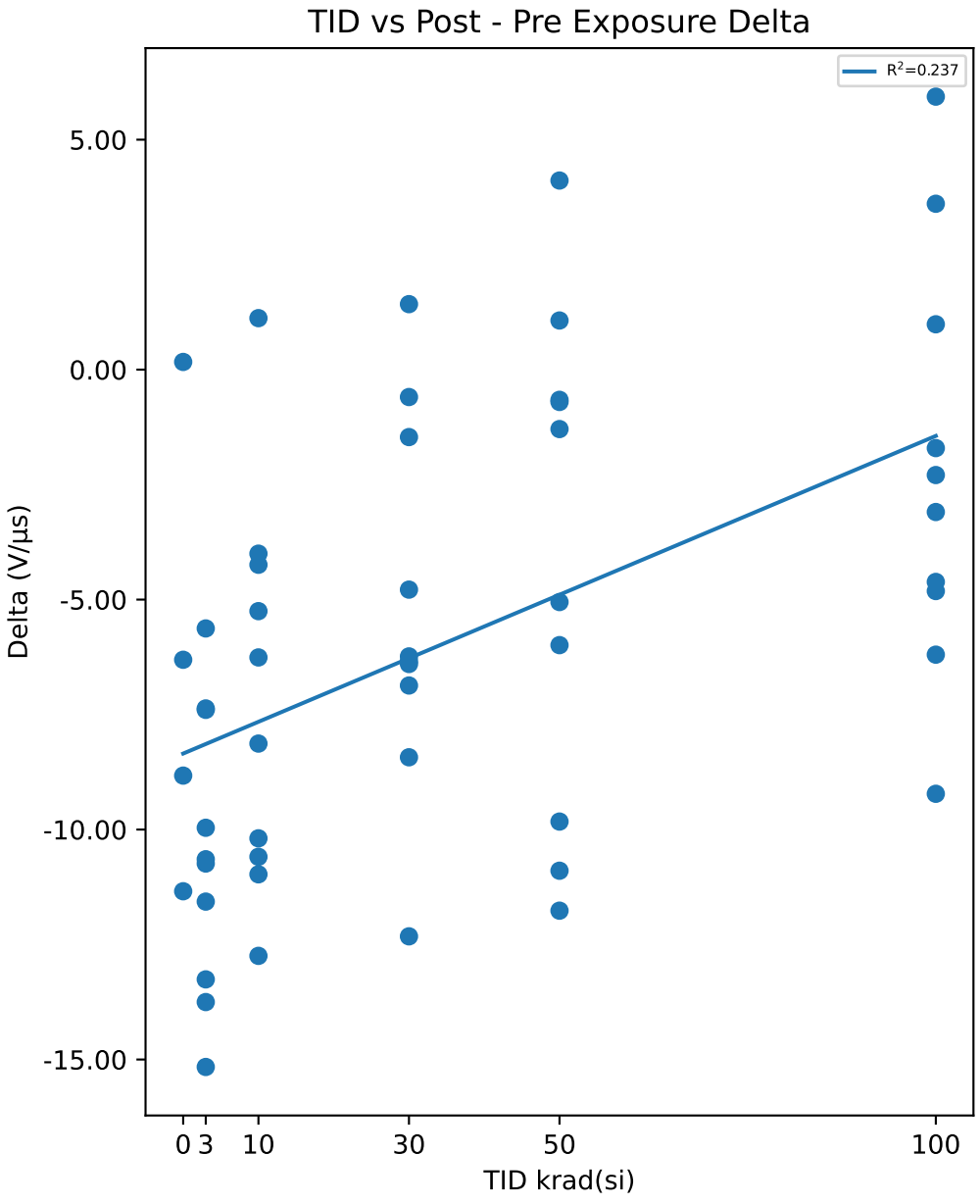
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	36.139	35.905	-0.2341
3	3	Biased	36.869	36.285	-0.584
4	3	Biased	37.666	37.045	-0.6202
5	3	Biased	36.624	36.095	-0.5292
6	3	Biased	36.404	36.149	-0.2548
7	3	Unbiased	36.989	36.421	-0.568
8	3	Unbiased	36.908	36.448	-0.4603
9	3	Unbiased	36.537	36.19	-0.3467
10	3	Unbiased	36.873	36.409	-0.464
11	3	Unbiased	36.207	35.953	-0.2541
12	10	Unbiased	36.513	35.592	-0.9207
13	10	Unbiased	36.426	35.48	-0.9459
14	10	Unbiased	36.189	35.696	-0.4928
15	10	Unbiased	36.599	35.928	-0.671
16	10	Unbiased	37.053	36.637	-0.4161
17	10	Biased	36.966	36.213	-0.7526
18	10	Biased	36.616	36.041	-0.5753
19	10	Biased	38.187	37.382	-0.8052
20	10	Biased	37.112	36.322	-0.7898
21	10	Biased	36.465	36.065	-0.3994
22	30	Biased	36.84	35.273	-1.5669
23	30	Biased	35.923	34.737	-1.1855
24	30	Biased	35.924	35.209	-0.7149
25	30	Biased	37.285	35.868	-1.4167
26	30	Biased	36.741	35.453	-1.2879
27	30	Unbiased	36.801	35.064	-1.7372
28	30	Unbiased	35.995	34.847	-1.1473
29	30	Unbiased	36.566	35.269	-1.2971
30	30	Unbiased	36.717	34.732	-1.9847
31	30	Unbiased	36.445	35.25	-1.1956
32	50	Biased	36.469	35.35	-1.1193
33	50	Biased	36.908	35.158	-1.7499
34	50	Biased	36.02	34.8	-1.2193
35	50	Biased	36.239	34.791	-1.4487
36	50	Biased	35.786	34.689	-1.0971
37	50	Unbiased	36.608	34.01	-2.5971
39	50	Unbiased	36.663	34.317	-2.3458
40	50	Unbiased	37.099	34.874	-2.2252
41	50	Unbiased	36.642	33.721	-2.9209
42	50	Unbiased	36.624	34.278	-2.3468
43	100	Biased	37.313	34.089	-3.2243
44	100	Biased	36.425	33.774	-2.6511
45	100	Biased	36.254	33.262	-2.9913
46	100	Biased	36.891	33.814	-3.077
47	100	Biased	36.322	33.923	-2.399
48	100	Unbiased	36.824	32.358	-4.4655
49	100	Unbiased	36.384	32.129	-4.2556
50	100	Unbiased	36.39	32.459	-3.9308
51	100	Unbiased	36.994	32.529	-4.4651
52	100	Unbiased	35.947	32.039	-3.9079
53	0	Correlation	36.631	36.806	0.1743
54	0	Correlation	36.7	36.286	-0.4139
55	0	Correlation	36.995	37.033	0.0381
56	0	Correlation	36.362	36.494	0.1317

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	36.362	36.672	36.995	0.25979	36.286	36.655	37.033	0.33034	-0.4139	-0.01745	0.1743	0.27035
3	36.139	36.722	37.666	0.44606	35.905	36.29	37.045	0.32602	-0.6202	-0.43154	-0.2341	0.14824
10	36.189	36.813	38.187	0.56707	35.48	36.136	37.382	0.55991	-0.9459	-0.67688	-0.3994	0.19889
30	35.923	36.524	37.285	0.45335	34.732	35.17	35.868	0.34803	-1.9847	-1.3534	-0.7149	0.35058
50	35.786	36.506	37.099	0.39552	33.721	34.599	35.35	0.50965	-2.9209	-1.907	-1.0971	0.66462
100	35.947	36.574	37.313	0.41321	32.039	33.038	34.089	0.81384	-4.4655	-3.5368	-2.399	0.76154

Device Test: 19.20; RESET_SLEW_RATE_FALL





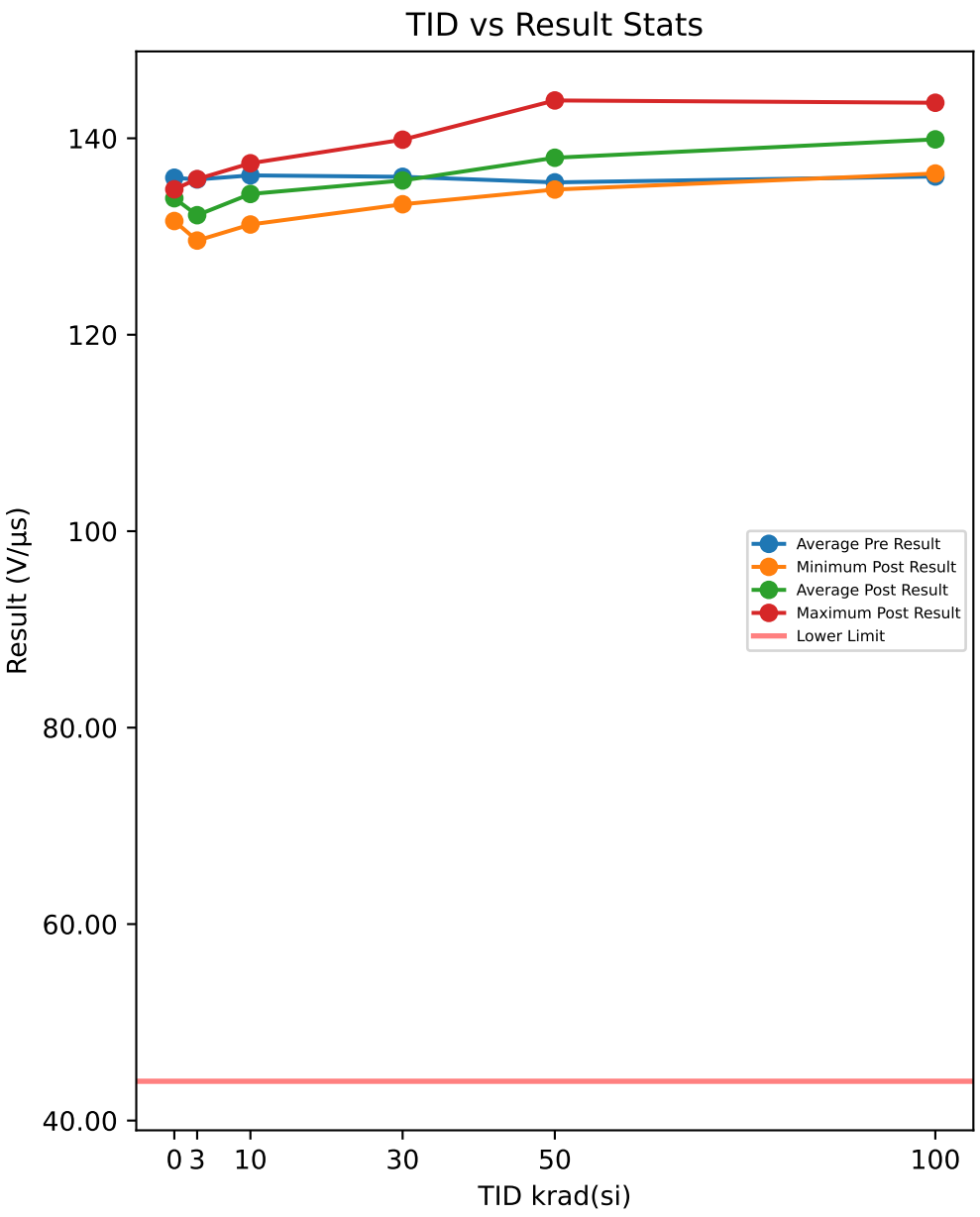
Test Results (Lower Limit = 44.0 (V/µs))

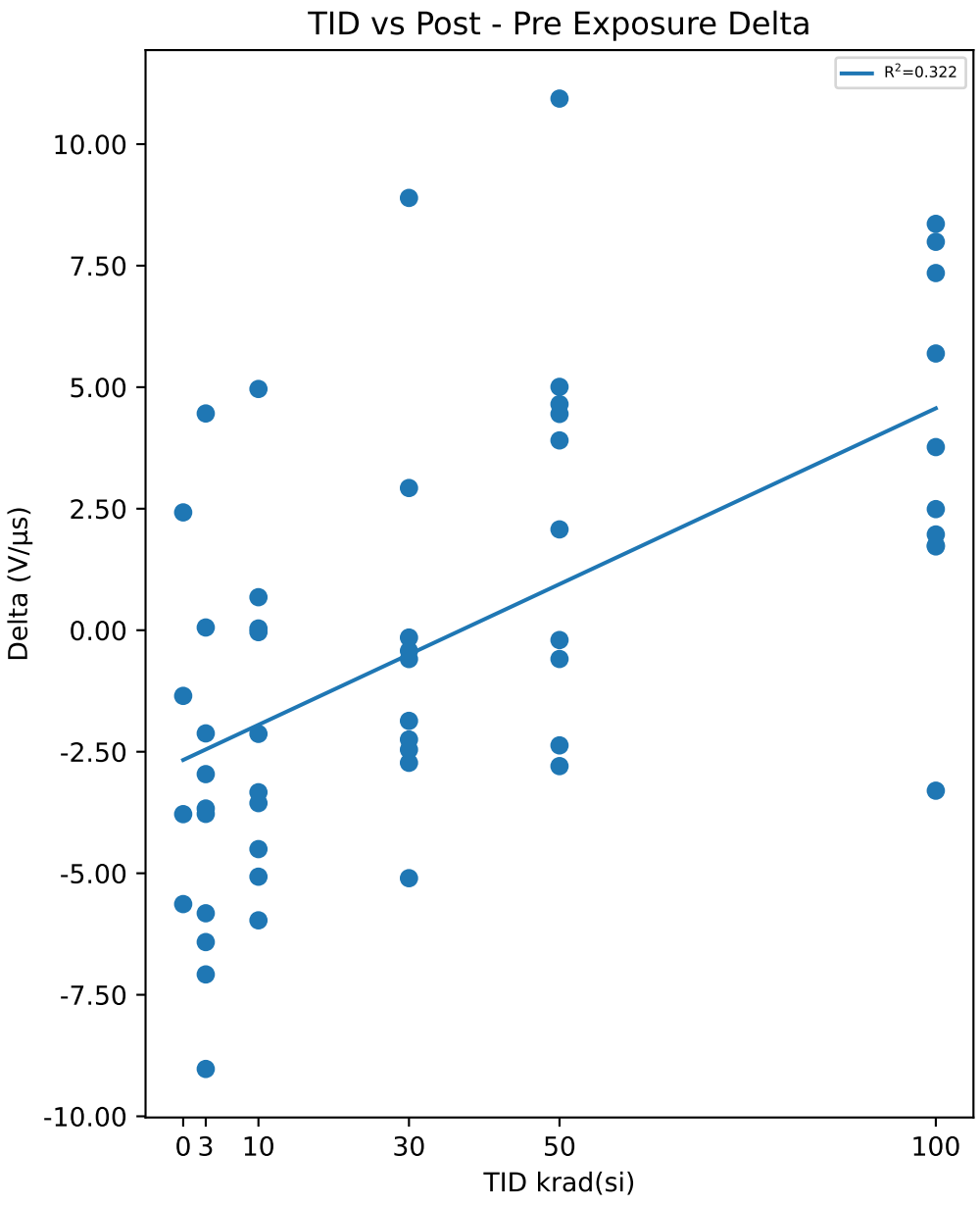
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	164.32	158.69	-5.6275
3	3	Biased	168.97	157.4	-11.567
4	3	Biased	172.01	161.27	-10.739
5	3	Biased	173.28	160.02	-13.258
6	3	Biased	175.9	160.74	-15.162
7	3	Unbiased	166.2	158.83	-7.367
8	3	Unbiased	170.02	159.38	-10.646
9	3	Unbiased	168.88	155.13	-13.751
10	3	Unbiased	163.92	156.53	-7.3975
11	3	Unbiased	170.09	160.13	-9.9614
12	10	Unbiased	170.76	159.78	-10.973
13	10	Unbiased	172.04	161.45	-10.592
14	10	Unbiased	166.66	162.66	-4.0013
15	10	Unbiased	166.06	160.81	-5.2514
16	10	Unbiased	163.82	164.94	1.1194
17	10	Biased	166.89	160.64	-6.2578
18	10	Biased	169.81	159.61	-10.191
19	10	Biased	169.92	161.79	-8.1309
20	10	Biased	165.65	161.4	-4.2428
21	10	Biased	173.18	160.43	-12.746
22	30	Biased	169.32	163.08	-6.2356
23	30	Biased	161.75	161.15	-0.5959
24	30	Biased	170.61	162.19	-8.4287
25	30	Biased	176.03	163.71	-12.322
26	30	Biased	168.09	161.75	-6.3413
27	30	Unbiased	170.25	163.38	-6.8679
28	30	Unbiased	168.51	162.11	-6.4006
29	30	Unbiased	165.33	160.55	-4.7835
30	30	Unbiased	161.05	162.48	1.4239
31	30	Unbiased	163.94	162.47	-1.4666
32	50	Biased	165.9	164.61	-1.2924
33	50	Biased	176.12	164.35	-11.764
34	50	Biased	175.5	165.67	-9.8267
35	50	Biased	161.06	165.17	4.1115
36	50	Biased	163.74	164.81	1.0681
37	50	Unbiased	162.43	161.77	-0.6567
39	50	Unbiased	172.57	161.67	-10.895
40	50	Unbiased	165.95	160.89	-5.0535
41	50	Unbiased	170.18	164.19	-5.9903
42	50	Unbiased	166.68	165.98	-0.703
43	100	Biased	164.86	165.84	0.9861
44	100	Biased	175.34	169.14	-6.1974
45	100	Biased	164.33	162.62	-1.7064
46	100	Biased	168.6	166.31	-2.292
47	100	Biased	168.21	165.12	-3.0958
48	100	Unbiased	173.96	164.74	-9.2227
49	100	Unbiased	172.61	168	-4.616
50	100	Unbiased	161.28	164.88	3.6066
51	100	Unbiased	163.49	169.43	5.9357
52	100	Unbiased	168.74	163.92	-4.8144
53	0	Correlation	167.27	160.96	-6.3084
54	0	Correlation	170.51	159.17	-11.342
55	0	Correlation	171.01	162.19	-8.8272
56	0	Correlation	159.55	159.72	0.1671

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	159.55	167.09	171.01	5.2921	159.17	160.51	162.19	1.3457	-11.342	-6.5776	0.1671	4.9438
3	163.92	169.36	175.9	3.8231	155.13	158.81	161.27	1.9449	-15.162	-10.548	-5.6275	3.0655
10	163.82	168.48	173.18	3.0772	159.61	161.35	164.94	1.5604	-12.746	-7.1268	1.1194	4.2051
30	161.05	167.49	176.03	4.5551	160.55	162.29	163.71	0.97454	-12.322	-5.2018	1.4239	4.0405
50	161.06	168.01	176.12	5.3268	160.89	163.91	165.98	1.802	-11.764	-4.1002	4.1115	5.4529
100	161.28	168.14	175.34	4.7184	162.62	166	169.43	2.238	-9.2227	-2.1416	5.9357	4.5832

Device Test: 19.21; RESET_SLEW_RATE_FALL





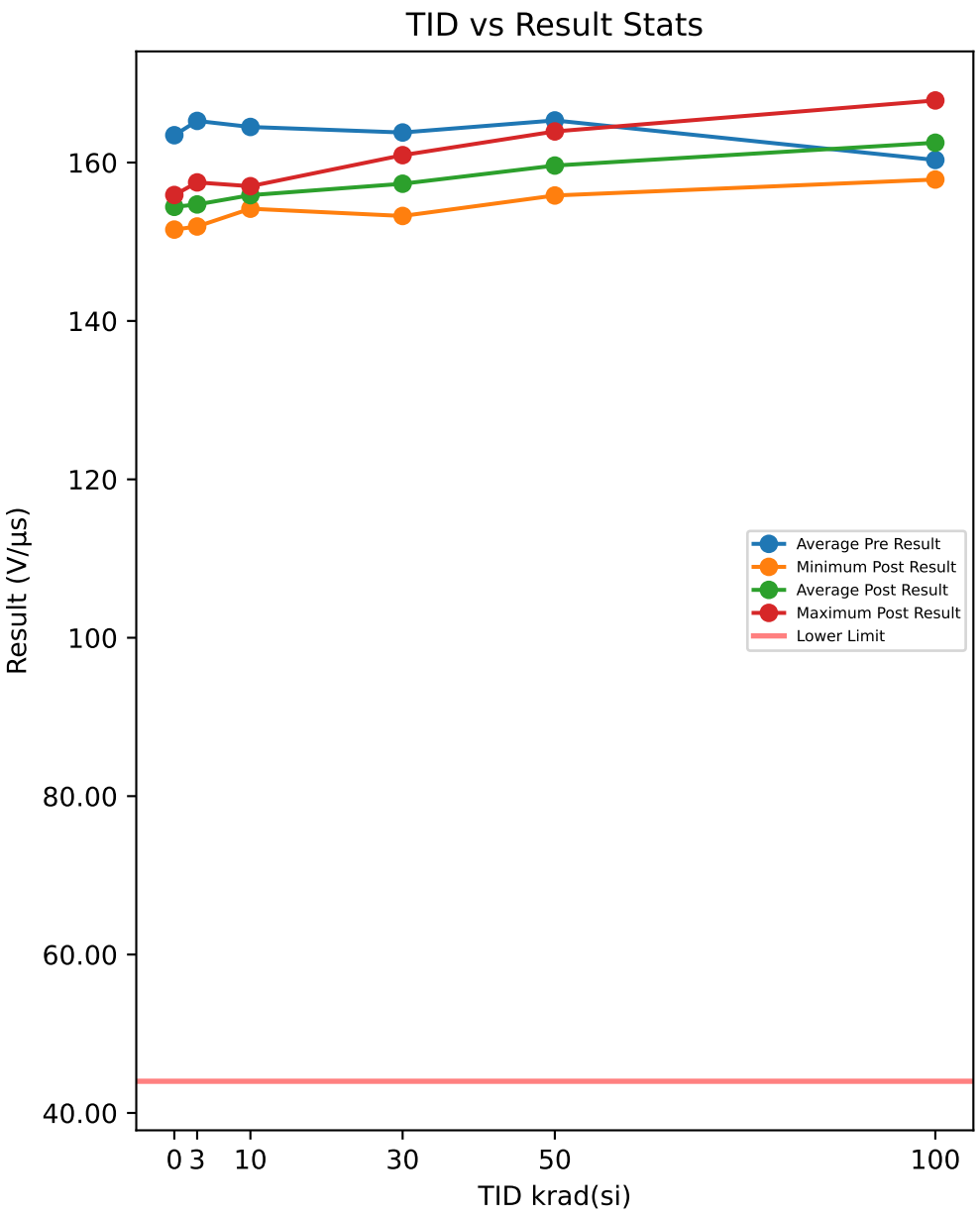
Test Results (Lower Limit = 44.0 (V/µs))

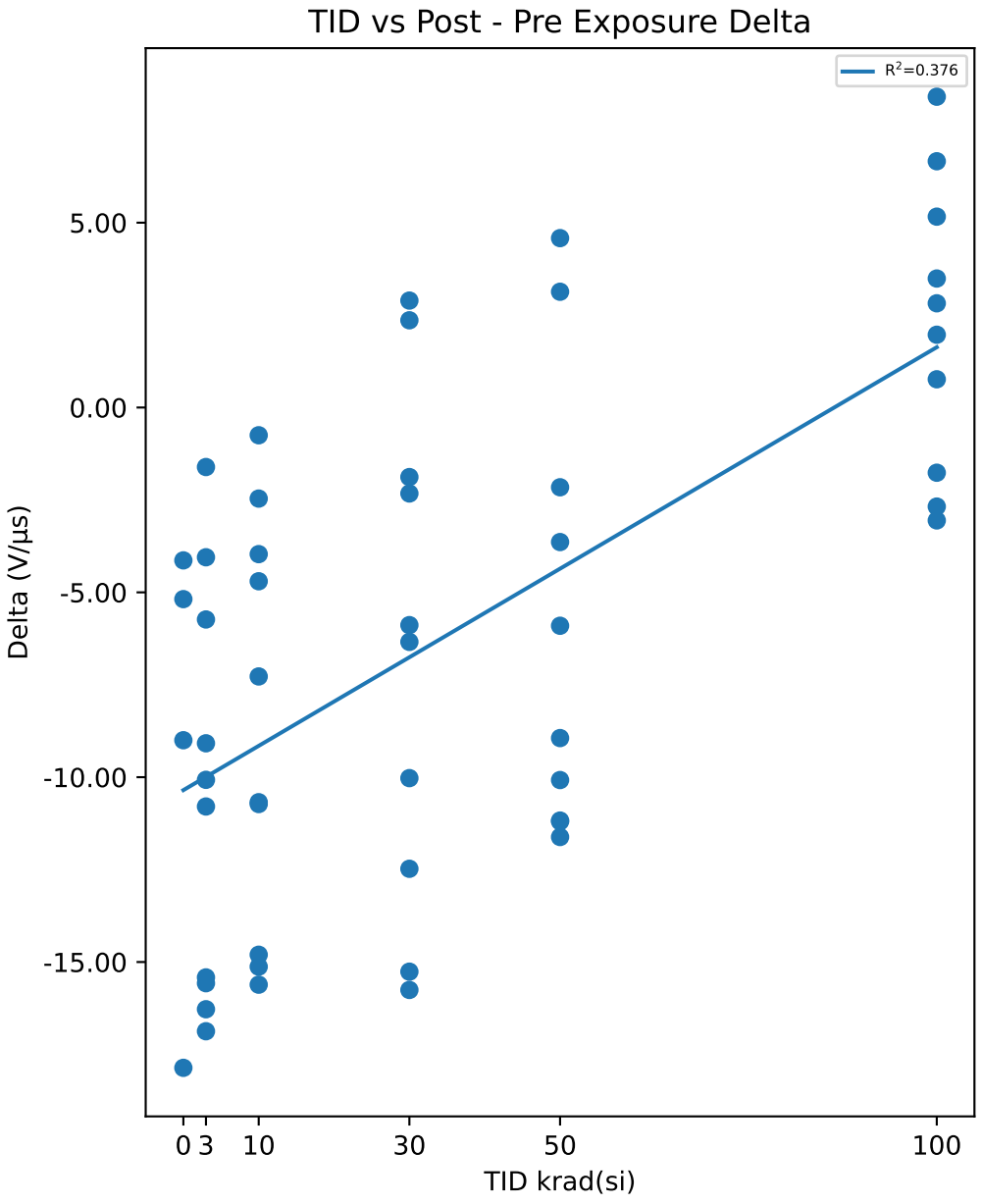
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	132.59	132.64	0.0561
3	3	Biased	138.28	132.46	-5.8231
4	3	Biased	134.88	131.92	-2.9606
5	3	Biased	134.71	132.59	-2.1225
6	3	Biased	134.98	131.31	-3.6683
7	3	Unbiased	141.36	132.33	-9.0261
8	3	Unbiased	133.37	129.59	-3.7789
9	3	Unbiased	137.06	130.65	-6.4157
10	3	Unbiased	139.45	132.37	-7.0811
11	3	Unbiased	131.39	135.85	4.4593
12	10	Unbiased	138.48	133.41	-5.0707
13	10	Unbiased	137.19	131.22	-5.9686
14	10	Unbiased	138.11	135.98	-2.1321
15	10	Unbiased	131.29	131.25	-0.0391
16	10	Unbiased	136.09	136.77	0.6793
17	10	Biased	139.05	134.54	-4.5031
18	10	Biased	136.92	133.36	-3.5569
19	10	Biased	134.14	134.17	0.0356
20	10	Biased	132.49	137.46	4.9633
21	10	Biased	138.47	135.13	-3.3337
22	30	Biased	140.79	138.55	-2.2477
23	30	Biased	138.89	136.16	-2.7276
24	30	Biased	136.03	135.88	-0.151
25	30	Biased	130.96	139.86	8.8937
26	30	Biased	140.22	137.76	-2.4563
27	30	Unbiased	138.91	133.81	-5.1013
28	30	Unbiased	135.22	134.8	-0.4239
29	30	Unbiased	135.49	133.63	-1.8651
30	30	Unbiased	130.36	133.28	2.9258
31	30	Unbiased	133.9	133.31	-0.5928
32	50	Biased	142.88	140.08	-2.7957
33	50	Biased	130.93	141.87	10.937
34	50	Biased	134.44	139.09	4.6504
35	50	Biased	137.67	135.3	-2.3691
36	50	Biased	141.78	143.85	2.0742
37	50	Unbiased	130.88	134.78	3.9051
39	50	Unbiased	137.19	136.6	-0.5917
40	50	Unbiased	130.5	135.51	5.0067
41	50	Unbiased	136.81	136.6	-0.2018
42	50	Unbiased	132.03	136.48	4.4496
43	100	Biased	131.63	139.62	7.991
44	100	Biased	140.18	141.9	1.7243
45	100	Biased	137.53	141.3	3.7675
46	100	Biased	131.92	139.26	7.3481
47	100	Biased	141.12	143.62	2.4916
48	100	Unbiased	143.67	140.37	-3.3011
49	100	Unbiased	136.88	138.62	1.743
50	100	Unbiased	130.72	136.41	5.6929
51	100	Unbiased	131.87	140.23	8.36
52	100	Unbiased	135.58	137.55	1.97
53	0	Correlation	140.31	134.68	-5.6342
54	0	Correlation	132.38	134.8	2.4241
55	0	Correlation	135.88	134.53	-1.3507
56	0	Correlation	135.36	131.58	-3.7838

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	132.38	135.98	140.31	3.2732	131.58	133.9	134.8	1.5513	-5.6342	-2.0862	2.4241	3.4811
3	131.39	135.81	141.36	3.1683	129.59	132.17	135.85	1.6283	-9.0261	-3.6361	4.4593	3.8782
10	131.29	136.22	139.05	2.7015	131.22	134.33	137.46	2.1096	-5.9686	-1.8926	4.9633	3.32
30	130.36	136.08	140.79	3.6523	133.28	135.7	139.86	2.3601	-5.1013	-0.37462	8.8937	3.8706
50	130.5	135.51	142.88	4.5163	134.78	138.02	143.85	3.0686	-2.7957	2.5065	10.937	4.1721
100	130.72	136.11	143.67	4.5519	136.41	139.89	143.62	2.1061	-3.3011	3.7787	8.36	3.6294

Device Test: 19.22; RESET_SLEW_RATE_FALL





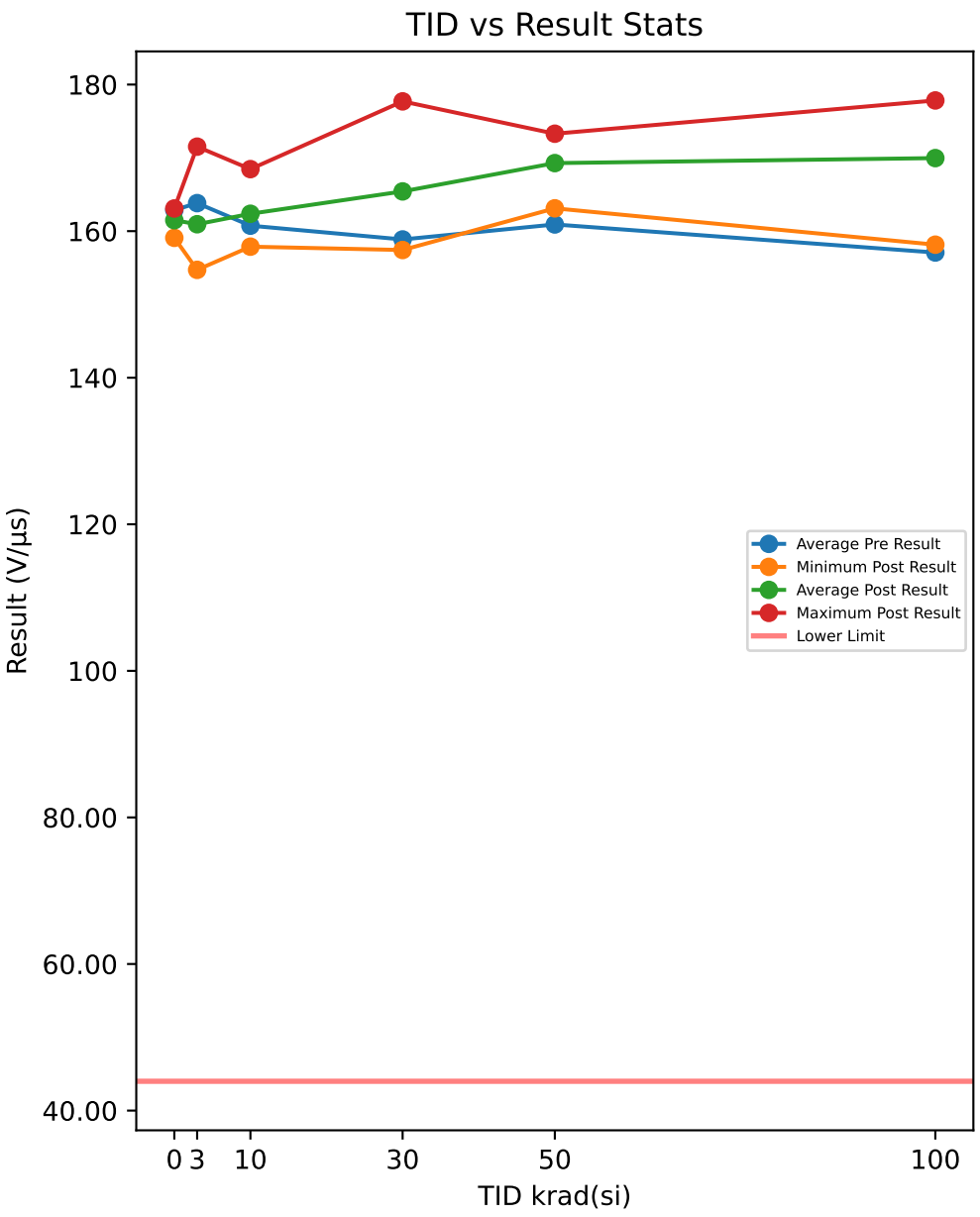
Test Results (Lower Limit = 44.0 (V/µs))

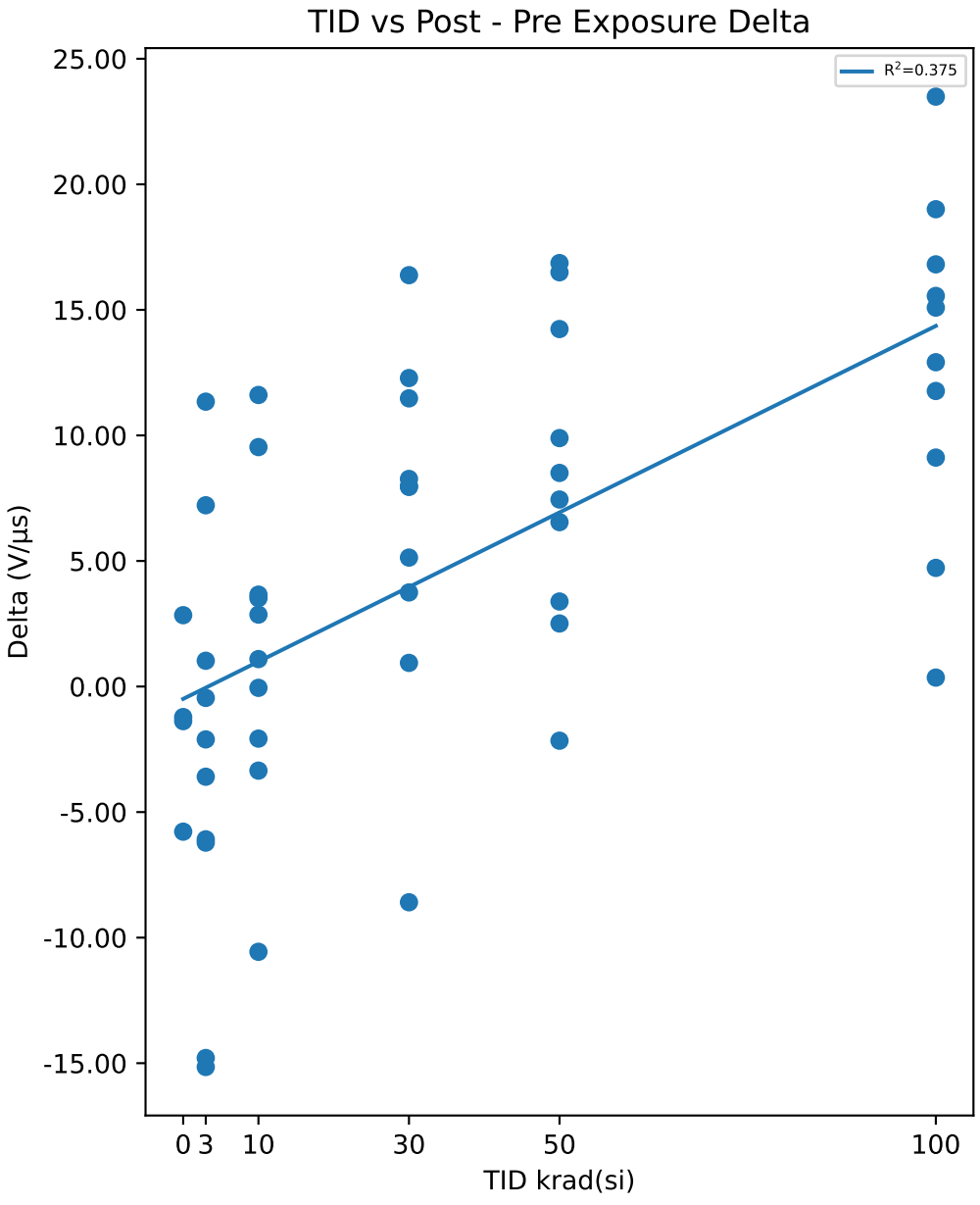
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	170.72	155.3	-15.416
3	3	Biased	170.22	153.34	-16.873
4	3	Biased	165.97	155.18	-10.793
5	3	Biased	168.28	152.7	-15.573
6	3	Biased	166.58	157.49	-9.0832
7	3	Unbiased	160.23	156.17	-4.051
8	3	Unbiased	157.99	156.38	-1.61
9	3	Unbiased	162	151.93	-10.071
10	3	Unbiased	158.11	152.37	-5.7336
11	3	Unbiased	172.5	156.23	-16.278
12	10	Unbiased	159.47	157.01	-2.4633
13	10	Unbiased	172.24	156.63	-15.613
14	10	Unbiased	172.14	157.01	-15.126
15	10	Unbiased	168.98	154.17	-14.803
16	10	Unbiased	160.43	155.73	-4.7
17	10	Biased	159.53	155.57	-3.9659
18	10	Biased	166.88	156.2	-10.677
19	10	Biased	162.11	154.83	-7.2752
20	10	Biased	157.66	156.91	-0.7505
21	10	Biased	165.51	154.78	-10.726
22	30	Biased	162.82	160.93	-1.8814
23	30	Biased	155.98	158.87	2.8928
24	30	Biased	159.64	157.32	-2.3255
25	30	Biased	157.12	159.48	2.3596
26	30	Biased	163.72	157.84	-5.8866
27	30	Unbiased	168.8	156.32	-12.478
28	30	Unbiased	164.49	158.15	-6.34
29	30	Unbiased	166.85	156.83	-10.025
30	30	Unbiased	170	154.25	-15.755
31	30	Unbiased	168.52	153.26	-15.261
32	50	Biased	170.38	160.31	-10.078
33	50	Biased	159.35	163.93	4.5822
34	50	Biased	169.62	158.44	-11.173
35	50	Biased	164.44	158.54	-5.9037
36	50	Biased	160.22	163.35	3.1317
37	50	Unbiased	165.94	157	-8.9419
39	50	Unbiased	160.77	157.13	-3.6394
40	50	Unbiased	158	155.84	-2.1574
41	50	Unbiased	171.52	160.33	-11.195
42	50	Unbiased	172.96	161.34	-11.618
43	100	Biased	157.09	157.86	0.7639
44	100	Biased	163.62	165.59	1.969
45	100	Biased	167.63	164.95	-2.6795
46	100	Biased	155.57	162.23	6.6616
47	100	Biased	159.43	167.84	8.4076
48	100	Unbiased	159.5	162.99	3.4894
49	100	Unbiased	162.35	160.59	-1.7638
50	100	Unbiased	157.02	162.18	5.1632
51	100	Unbiased	164.51	161.46	-3.0543
52	100	Unbiased	156.53	159.35	2.819
53	0	Correlation	173.76	155.9	-17.862
54	0	Correlation	164.16	155.16	-9.0002
55	0	Correlation	160.21	155.02	-5.1834
56	0	Correlation	155.67	151.54	-4.1351

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	155.67	163.45	173.76	7.7007	151.54	154.41	155.9	1.9514	-17.862	-9.0453	-4.1351	6.2388
3	157.99	165.26	172.5	5.3555	151.93	154.71	157.49	1.9616	-16.873	-10.548	-1.61	5.472
10	157.66	164.49	172.24	5.4177	154.17	155.88	157.01	1.0332	-15.613	-8.61	-0.7505	5.5456
30	155.98	163.79	170	4.9382	153.26	157.32	160.93	2.3169	-15.755	-6.4701	2.8928	6.8023
50	158	165.32	172.96	5.5601	155.84	159.62	163.93	2.7155	-11.618	-5.6993	4.5822	6.013
100	155.57	160.33	167.63	4.0235	157.86	162.5	167.84	2.9947	-3.0543	2.1776	8.4076	3.923

Device Test: 19.23; PWRGD_SLEW_RATE_FALL





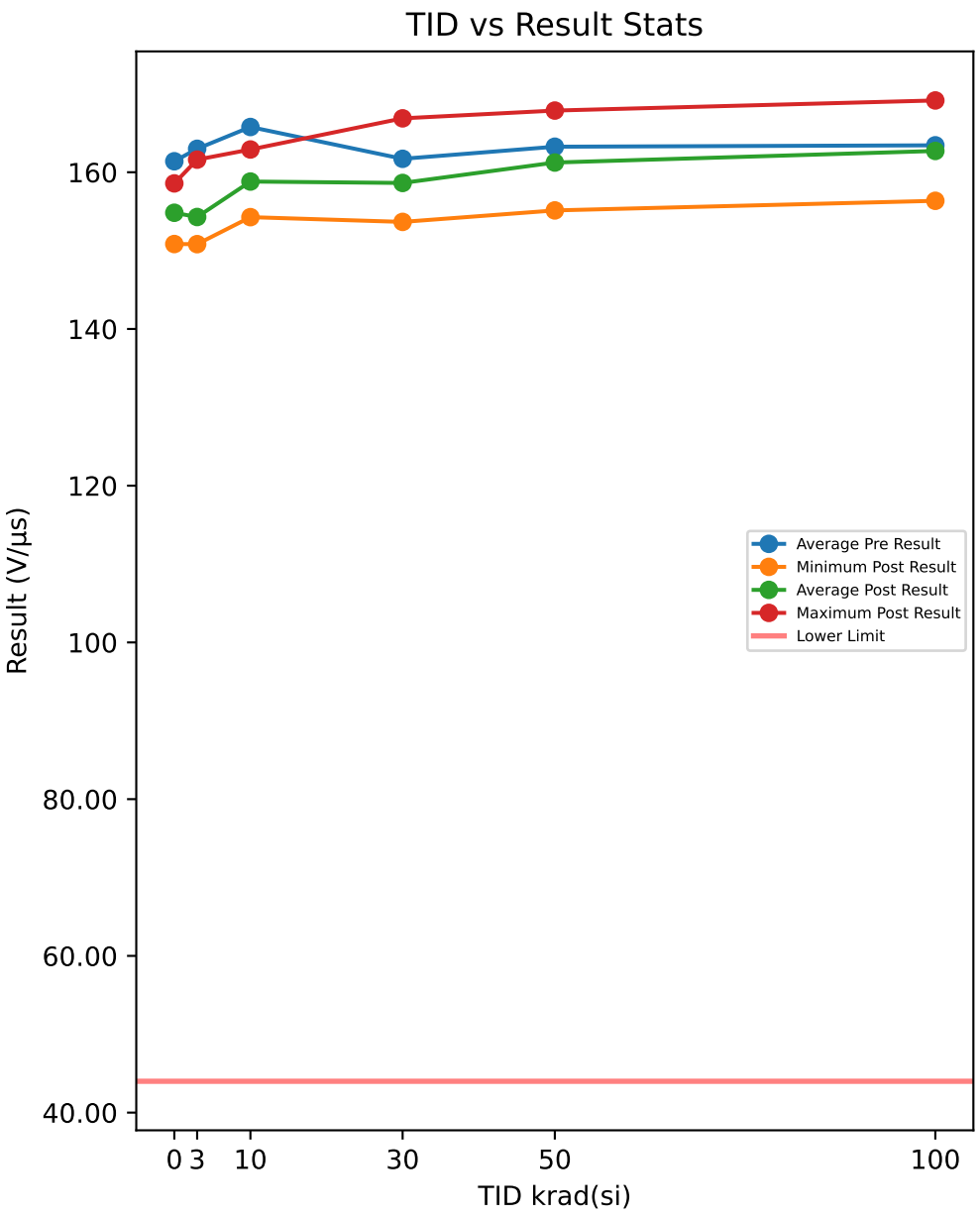
Test Results (Lower Limit = 44.0 (V/µs))

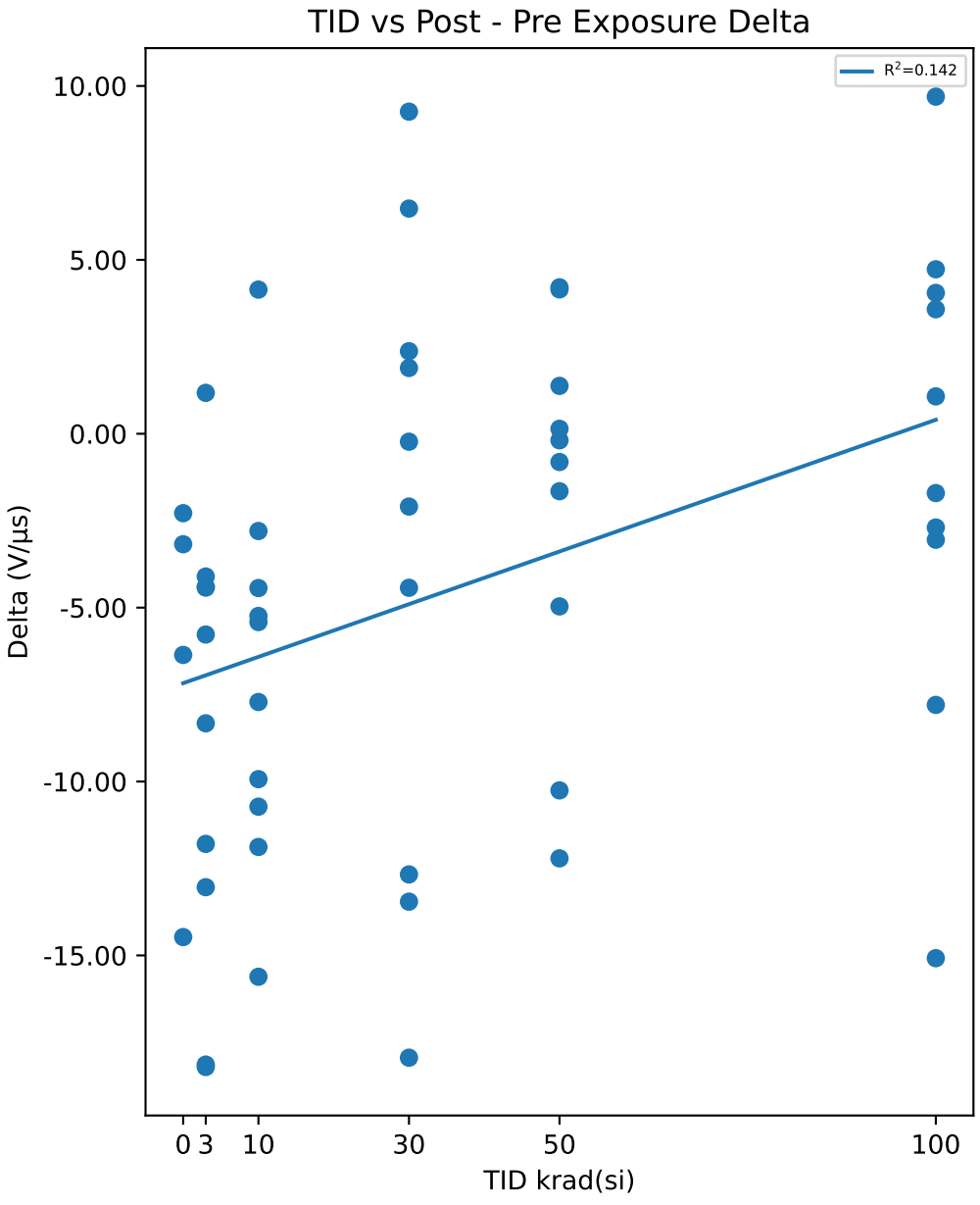
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	160.95	161.98	1.0261
3	3	Biased	173.57	167.49	-6.0851
4	3	Biased	155.79	167.13	11.344
5	3	Biased	171.84	157.05	-14.794
6	3	Biased	170.26	155.11	-15.151
7	3	Unbiased	160.54	156.95	-3.5919
8	3	Unbiased	160.14	158.03	-2.1059
9	3	Unbiased	159.88	159.43	-0.4533
10	3	Unbiased	160.93	154.72	-6.2164
11	3	Unbiased	164.31	171.53	7.2179
12	10	Unbiased	157.99	160.85	2.864
13	10	Unbiased	151.27	160.8	9.5352
14	10	Unbiased	160.37	163.89	3.5197
15	10	Unbiased	153.99	165.6	11.61
16	10	Unbiased	162.39	160.31	-2.0748
17	10	Biased	168.44	157.88	-10.564
18	10	Biased	164.61	161.26	-3.3499
19	10	Biased	159.87	160.96	1.0928
20	10	Biased	164.8	168.46	3.6591
21	10	Biased	163.72	163.67	-0.0522
22	30	Biased	173.36	164.77	-8.592
23	30	Biased	152.29	157.43	5.1351
24	30	Biased	154.32	170.7	16.381
25	30	Biased	156.5	164.45	7.9488
26	30	Biased	173.96	177.71	3.7462
27	30	Unbiased	149.81	157.79	7.9797
28	30	Unbiased	154	165.48	11.476
29	30	Unbiased	160.03	160.97	0.9414
30	30	Unbiased	158.02	170.31	12.285
31	30	Unbiased	156.34	164.6	8.2665
32	50	Biased	163.3	169.84	6.5464
33	50	Biased	168.74	171.25	2.5097
34	50	Biased	165.27	163.11	-2.1578
35	50	Biased	154.79	171.29	16.497
36	50	Biased	156.43	173.29	16.863
37	50	Unbiased	160.44	167.89	7.4472
39	50	Unbiased	162.94	172.84	9.8933
40	50	Unbiased	153.42	167.66	14.236
41	50	Unbiased	162.43	165.82	3.3855
42	50	Unbiased	161.34	169.85	8.5065
43	100	Biased	158.8	170.57	11.769
44	100	Biased	157.59	174.4	16.812
45	100	Biased	154.46	173.47	19.008
46	100	Biased	153.43	158.15	4.7246
47	100	Biased	162.13	177.22	15.089
48	100	Unbiased	163.81	172.93	9.1176
49	100	Unbiased	154.28	169.84	15.555
50	100	Unbiased	158.04	158.39	0.3558
51	100	Unbiased	154.34	177.83	23.491
52	100	Unbiased	153.95	166.86	12.915
53	0	Correlation	160.46	159.09	-1.3786
54	0	Correlation	168.87	163.09	-5.7801
55	0	Correlation	158.21	161.05	2.8409
56	0	Correlation	163.95	162.74	-1.2163

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	158.21	162.87	168.87	4.6443	159.09	161.49	163.09	1.8344	-5.7801	-1.3835	2.8409	3.5215
3	155.79	163.82	173.57	5.9815	154.72	160.94	171.53	5.8586	-15.151	-2.881	11.344	8.436
10	151.27	160.75	168.44	5.2306	157.88	162.37	168.46	3.0541	-10.564	1.624	11.61	6.339
30	149.81	158.86	173.96	8.3103	157.43	165.42	177.71	6.2051	-8.592	6.5567	16.381	6.923
50	153.42	160.91	168.74	4.7884	163.11	169.28	173.29	3.1953	-2.1578	8.3727	16.863	6.2284
100	153.43	157.08	163.81	3.6566	158.15	169.97	177.83	6.9825	0.3558	12.884	23.491	6.802

Device Test: 19.24; WDO_SLEW_RATE_FALL





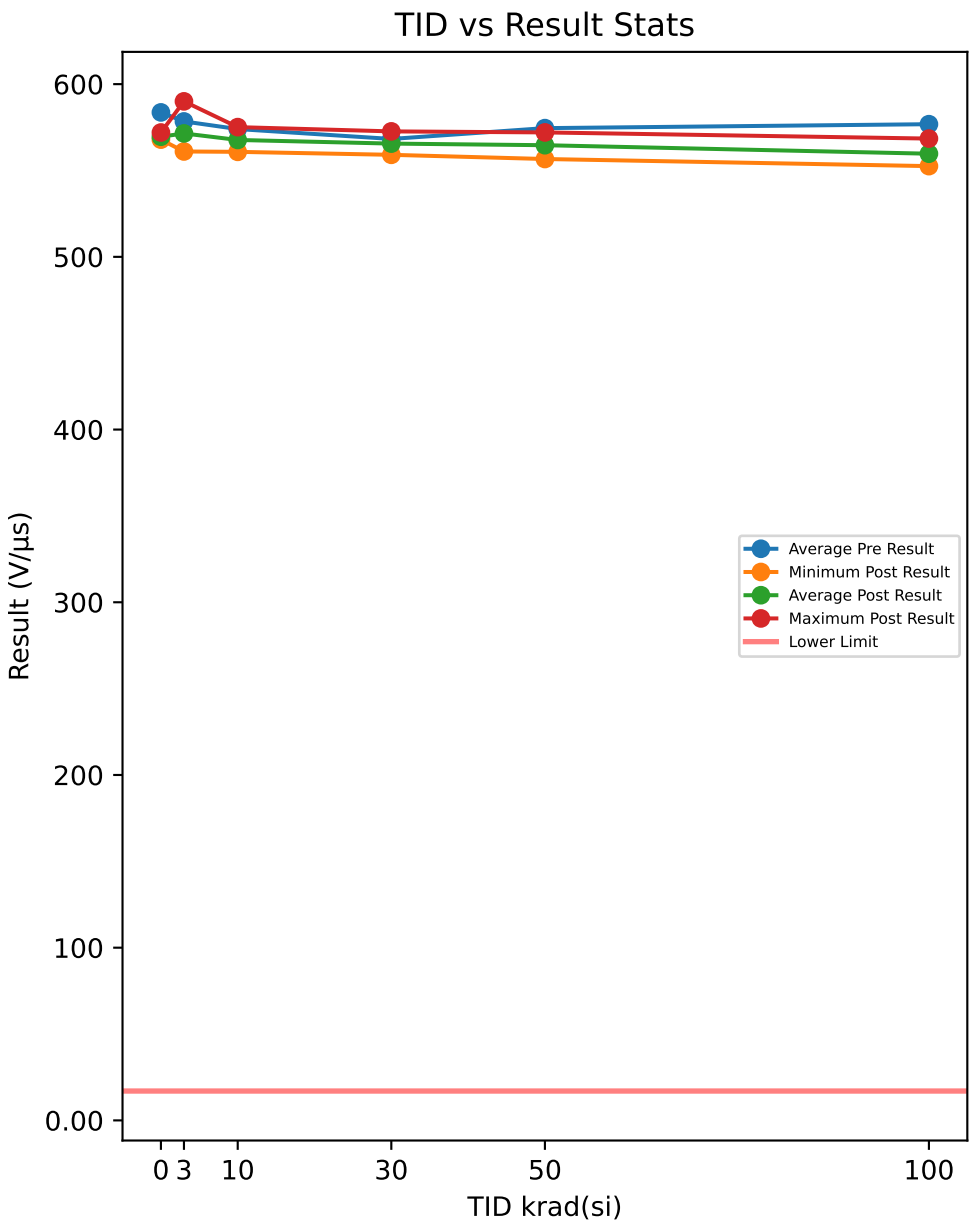
Test Results (Lower Limit = 44.0 (V/µs))

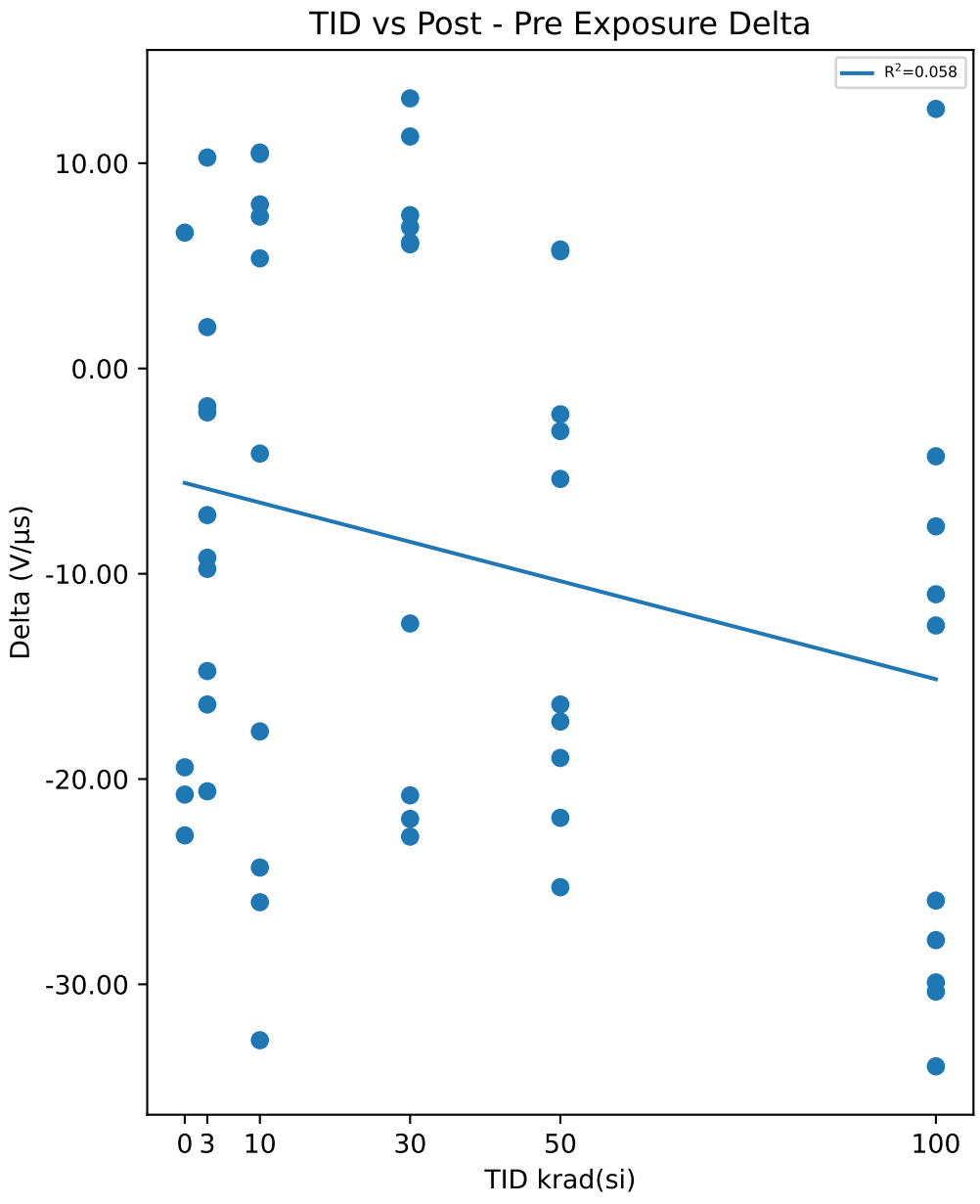
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	161.1	152.77	-8.3261
3	3	Biased	174.65	161.61	-13.038
4	3	Biased	163.17	159.07	-4.1051
5	3	Biased	163.42	151.63	-11.793
6	3	Biased	170.14	151.93	-18.208
7	3	Unbiased	156.6	150.82	-5.7732
8	3	Unbiased	171.13	152.99	-18.139
9	3	Unbiased	155.64	151.22	-4.4241
10	3	Unbiased	156.04	157.21	1.1757
11	3	Unbiased	158.03	153.63	-4.4005
12	10	Unbiased	170.37	158.49	-11.881
13	10	Unbiased	165.85	160.61	-5.2396
14	10	Unbiased	157.95	162.09	4.1445
15	10	Unbiased	170.2	154.59	-15.613
16	10	Unbiased	166.13	161.69	-4.4368
17	10	Biased	161.98	154.27	-7.7134
18	10	Biased	166.81	156.09	-10.723
19	10	Biased	162.45	157.03	-5.4146
20	10	Biased	163.15	160.36	-2.797
21	10	Biased	172.84	162.9	-9.932
22	30	Biased	157.62	166.88	9.261
23	30	Biased	158.55	160.93	2.3726
24	30	Biased	161.16	163.05	1.891
25	30	Biased	155.55	162.02	6.4753
26	30	Biased	166.33	153.66	-12.671
27	30	Unbiased	168.79	155.34	-13.454
28	30	Unbiased	157.71	155.61	-2.0937
29	30	Unbiased	173.88	155.94	-17.941
30	30	Unbiased	159.38	154.95	-4.429
31	30	Unbiased	158.17	157.94	-0.2289
32	50	Biased	175.5	163.29	-12.209
33	50	Biased	159.34	157.69	-1.6526
34	50	Biased	168.39	163.43	-4.9645
35	50	Biased	166.49	167.87	1.3766
36	50	Biased	160.26	160.4	0.1424
37	50	Unbiased	162.73	161.92	-0.8125
39	50	Unbiased	157.95	162.16	4.2104
40	50	Unbiased	156.42	160.57	4.1509
41	50	Unbiased	170.18	159.92	-10.255
42	50	Unbiased	155.32	155.13	-0.1889
43	100	Biased	162.56	160.86	-1.7059
44	100	Biased	168.34	160.55	-7.7971
45	100	Biased	156.75	161.48	4.7289
46	100	Biased	159.55	163.6	4.0492
47	100	Biased	159.47	169.16	9.6931
48	100	Unbiased	158.05	159.13	1.0741
49	100	Unbiased	171.05	168	-3.0474
50	100	Unbiased	157.04	160.62	3.5797
51	100	Unbiased	170.11	167.41	-2.696
52	100	Unbiased	171.43	156.35	-15.08
53	0	Correlation	161.74	155.38	-6.3597
54	0	Correlation	168.99	154.52	-14.472
55	0	Correlation	161.75	158.58	-3.1766
56	0	Correlation	153.12	150.84	-2.2841

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	153.12	161.4	168.99	6.49	150.84	154.83	158.58	3.1818	-14.472	-6.5732	-2.2841	5.5491
3	155.64	162.99	174.65	6.8709	150.82	154.29	161.61	3.7036	-18.208	-8.7032	1.1757	6.4291
10	157.95	165.77	172.84	4.5384	154.27	158.81	162.9	3.1715	-15.613	-6.9607	4.1445	5.5278
30	155.55	161.71	173.88	5.9507	153.66	158.63	166.88	4.3492	-17.941	-3.0818	9.261	9.0026
50	155.32	163.26	175.5	6.6432	155.13	161.24	167.87	3.4497	-12.209	-2.0202	4.2104	5.5614
100	156.75	163.44	171.43	6.117	156.35	162.72	169.16	4.2135	-15.08	-0.72011	9.6931	7.0644

Device Test: 19.25; RESET_SLEW_RATE_RISE





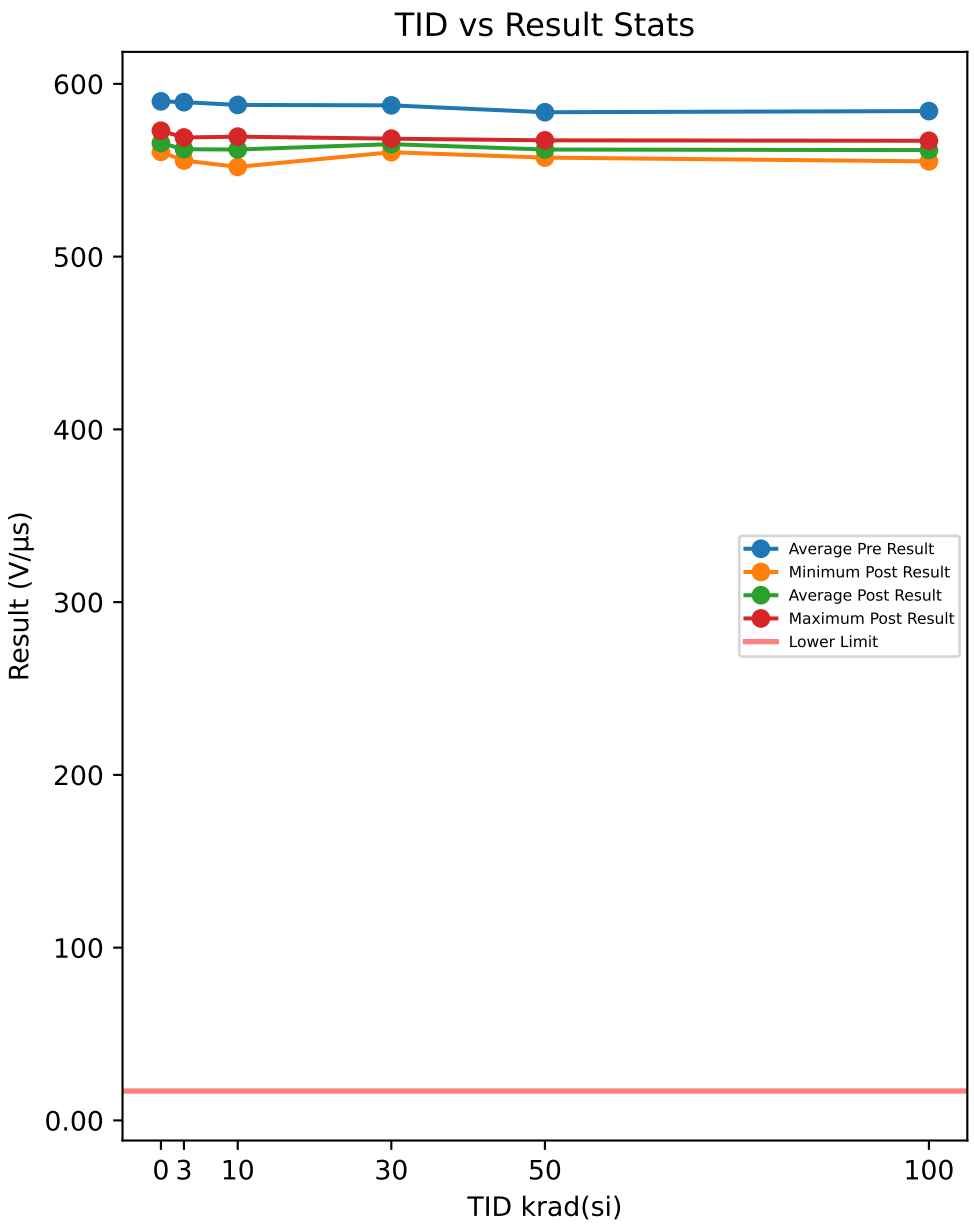
Test Results (Lower Limit = 17.0 (V/µs))

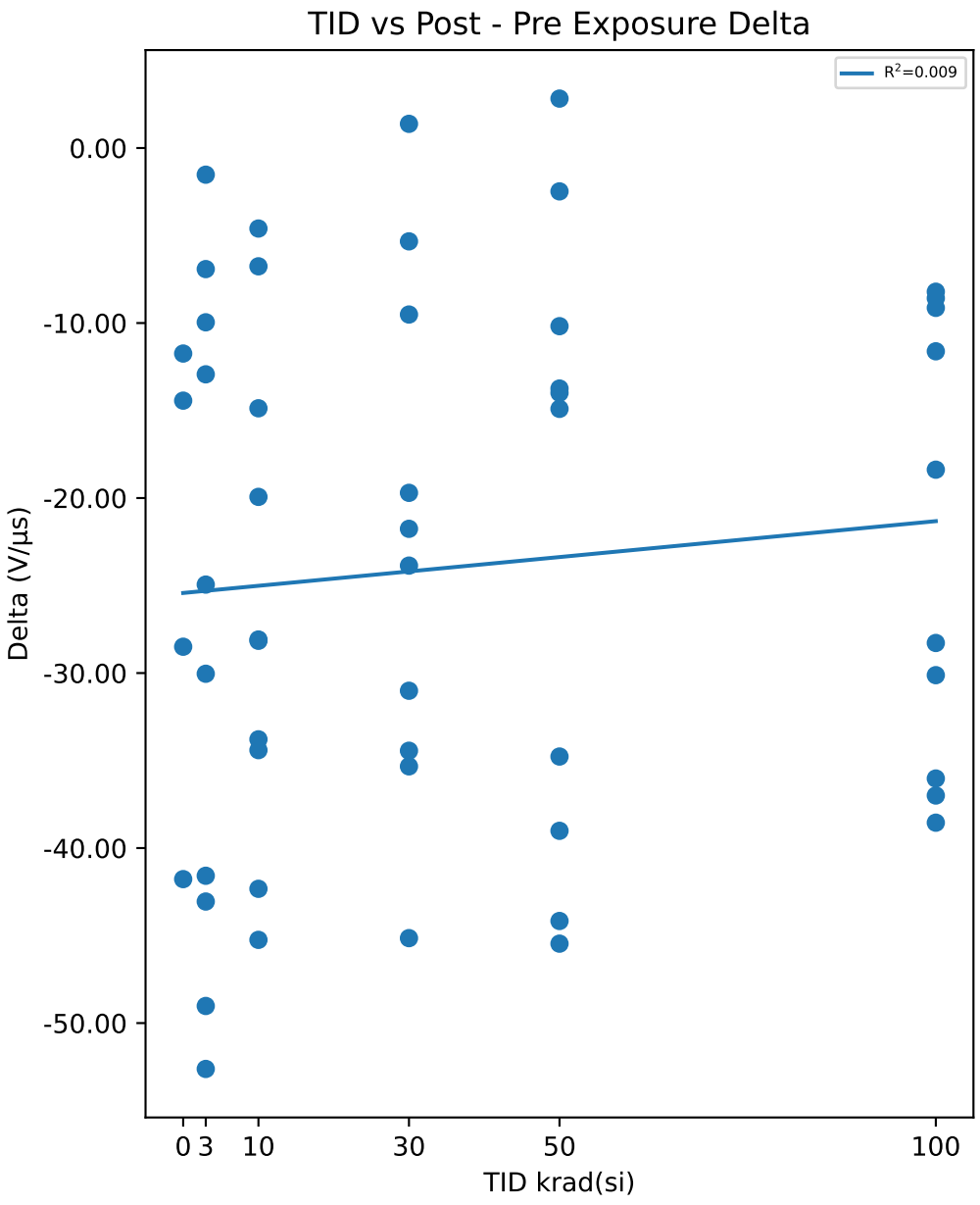
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	580.13	563.76	-16.368
3	3	Biased	586.22	571.48	-14.739
4	3	Biased	597.17	590.03	-7.1409
5	3	Biased	569.79	567.65	-2.1377
6	3	Biased	578.8	580.81	2.0165
7	3	Unbiased	589.93	569.33	-20.598
8	3	Unbiased	577.42	568.2	-9.2204
9	3	Unbiased	560.03	570.31	10.275
10	3	Unbiased	581.69	571.92	-9.762
11	3	Unbiased	562.85	561.01	-1.8398
12	10	Unbiased	558.03	568.55	10.52
13	10	Unbiased	557.68	568.14	10.455
14	10	Unbiased	559.58	567.57	7.9946
15	10	Unbiased	567.81	563.66	-4.1446
16	10	Unbiased	553.4	560.8	7.4017
17	10	Biased	562.05	567.41	5.3654
18	10	Biased	592.79	575.11	-17.68
19	10	Biased	598.86	574.55	-24.311
20	10	Biased	596.7	563.98	-32.724
21	10	Biased	593.03	567.03	-26.001
22	30	Biased	582.47	570.05	-12.423
23	30	Biased	582.13	561.33	-20.795
24	30	Biased	558.55	566.02	7.469
25	30	Biased	556.05	567.35	11.303
26	30	Biased	592.86	570.06	-22.805
27	30	Unbiased	588.91	566.97	-21.942
28	30	Unbiased	549.67	562.83	13.159
29	30	Unbiased	566.5	572.64	6.1416
30	30	Unbiased	552.5	559.39	6.8859
31	30	Unbiased	553.03	559.08	6.0498
32	50	Biased	562.03	556.65	-5.3813
33	50	Biased	582.92	566.55	-16.369
34	50	Biased	576.68	559.48	-17.2
35	50	Biased	562.21	559.98	-2.2313
36	50	Biased	580.1	561.12	-18.973
37	50	Unbiased	589.58	564.31	-25.27
39	50	Unbiased	562.53	568.24	5.7088
40	50	Unbiased	572.26	569.21	-3.0489
41	50	Unbiased	566.25	572.04	5.7962
42	50	Unbiased	590.71	568.82	-21.89
43	100	Biased	575.49	567.8	-7.69
44	100	Biased	591.4	561.04	-30.357
45	100	Biased	571.54	559.02	-12.52
46	100	Biased	589.68	561.83	-27.847
47	100	Biased	556.81	552.53	-4.2774
48	100	Unbiased	587.17	557.27	-29.908
49	100	Unbiased	588.22	554.23	-33.995
50	100	Unbiased	571.23	560.23	-10.999
51	100	Unbiased	580.68	554.76	-25.92
52	100	Unbiased	555.83	568.48	12.645
53	0	Correlation	591.92	569.17	-22.744
54	0	Correlation	592.75	571.99	-20.756
55	0	Correlation	588.62	569.19	-19.428
56	0	Correlation	561.26	567.88	6.6176

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	561.26	583.64	592.75	15.025	567.88	569.56	571.99	1.7362	-22.744	-14.078	6.6176	13.864
3	560.03	578.4	597.17	11.616	561.01	571.45	590.03	8.3785	-20.598	-6.9514	10.275	9.2803
10	553.4	573.99	598.86	18.809	560.8	567.68	575.11	4.4861	-32.724	-6.3123	10.52	17.116
30	549.67	568.27	592.86	16.662	559.08	565.57	572.64	4.7306	-22.805	-2.6956	13.159	14.885
50	562.03	574.53	590.71	11.156	556.65	564.64	572.04	5.1041	-25.27	-9.8859	5.7962	11.419
100	555.83	576.8	591.4	13.046	552.53	559.72	568.48	5.3884	-33.995	-17.087	12.645	14.961

Device Test: 19.26; RESET_SLEW_RATE_RISE





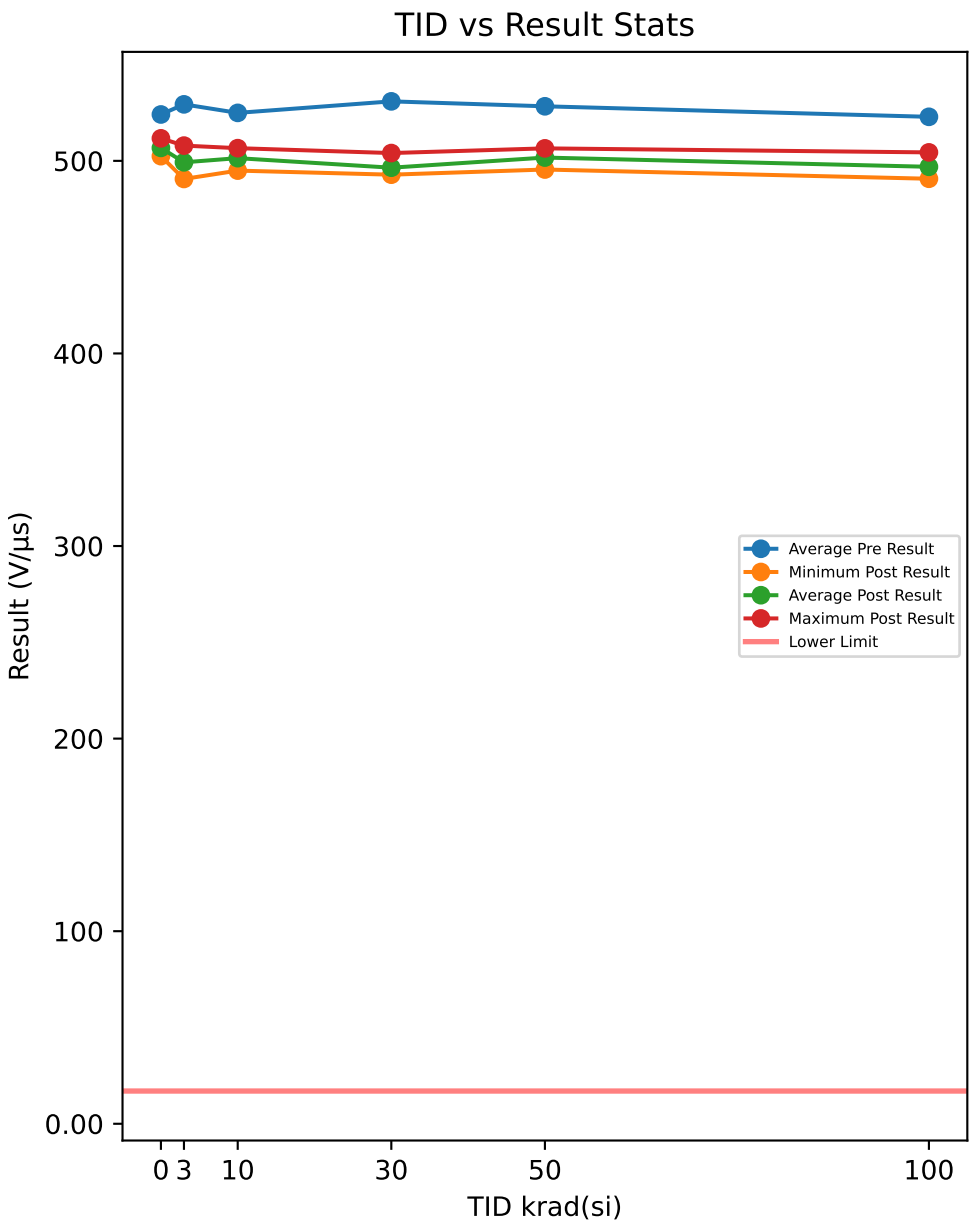
Test Results (Lower Limit = 17.0 (V/µs))

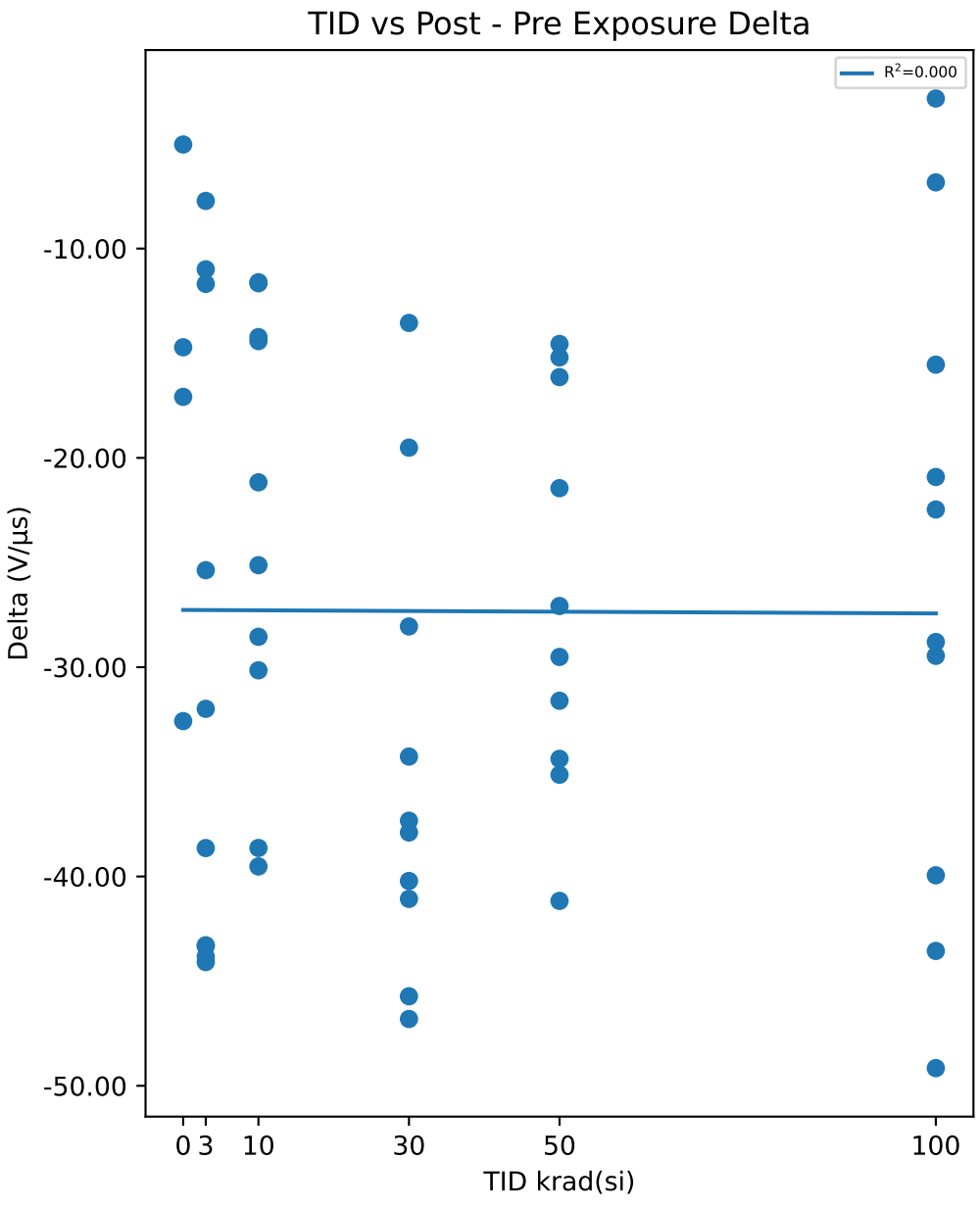
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	609.73	557.11	-52.62
3	3	Biased	605.17	556.15	-49.023
4	3	Biased	575.87	568.95	-6.9175
5	3	Biased	608.08	566.5	-41.582
6	3	Biased	573.11	560.18	-12.93
7	3	Unbiased	589.38	564.43	-24.944
8	3	Unbiased	575.04	565.09	-9.9579
9	3	Unbiased	593.5	563.46	-30.04
10	3	Unbiased	565.55	564.03	-1.5231
11	3	Unbiased	598.67	555.62	-43.055
12	10	Unbiased	588.13	559.98	-28.157
13	10	Unbiased	574.05	569.45	-4.6001
14	10	Unbiased	574.24	559.37	-14.871
15	10	Unbiased	587.28	559.2	-28.083
16	10	Unbiased	600.11	566.32	-33.787
17	10	Biased	570.34	563.58	-6.7591
18	10	Biased	605.09	562.76	-42.327
19	10	Biased	599.87	565.47	-34.404
20	10	Biased	571.87	551.94	-19.933
21	10	Biased	607.04	561.8	-45.245
22	30	Biased	592.14	568.28	-23.861
23	30	Biased	601.39	566.06	-35.331
24	30	Biased	569.93	560.42	-9.5139
25	30	Biased	571.35	566.02	-5.3331
26	30	Biased	606.62	561.47	-45.146
27	30	Unbiased	599	567.99	-31.011
28	30	Unbiased	562.14	563.52	1.3817
29	30	Unbiased	587.46	565.7	-21.757
30	30	Unbiased	584.63	564.93	-19.702
31	30	Unbiased	601.05	566.61	-34.439
32	50	Biased	611.95	566.48	-45.462
33	50	Biased	571.3	557.31	-13.987
34	50	Biased	573.31	558.4	-14.903
35	50	Biased	593.06	558.29	-34.77
36	50	Biased	563.72	561.25	-2.4773
37	50	Unbiased	561.4	564.23	2.8243
39	50	Unbiased	572.76	562.58	-10.179
40	50	Unbiased	605.8	561.64	-44.166
41	50	Unbiased	601.43	562.41	-39.014
42	50	Unbiased	581.05	567.31	-13.743
43	100	Biased	575.24	563.63	-11.615
44	100	Biased	589.75	561.47	-28.282
45	100	Biased	602.42	566.39	-36.026
46	100	Biased	575.27	567.06	-8.2102
47	100	Biased	597.63	559.08	-38.549
48	100	Unbiased	582.35	563.98	-18.379
49	100	Unbiased	588.76	558.64	-30.121
50	100	Unbiased	564.26	555.13	-9.1333
51	100	Unbiased	571.69	563.1	-8.5824
52	100	Unbiased	595.12	558.12	-36.997
53	0	Correlation	601.37	572.87	-28.495
54	0	Correlation	575.07	560.63	-14.435
55	0	Correlation	578.23	566.48	-11.743
56	0	Correlation	604.83	563.06	-41.775

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	575.07	589.87	604.83	15.392	560.63	565.76	572.87	5.3134	-41.775	-24.112	-11.743	13.878
3	565.55	589.41	609.73	16.113	555.62	562.15	568.95	4.622	-52.62	-27.259	-1.5231	18.754
10	570.34	587.8	607.04	14.523	551.94	561.99	569.45	4.8222	-45.245	-25.817	-4.6001	14.007
30	562.14	587.57	606.62	15.335	560.42	565.1	568.28	2.5926	-45.146	-22.471	1.3817	14.668
50	561.4	583.58	611.95	18.175	557.31	561.99	567.31	3.3846	-45.462	-21.588	2.8243	17.678
100	564.26	584.25	602.42	12.474	555.13	561.66	567.06	3.8568	-38.549	-22.59	-8.2102	12.711

Device Test: 19.27; RESET_SLEW_RATE_RISE





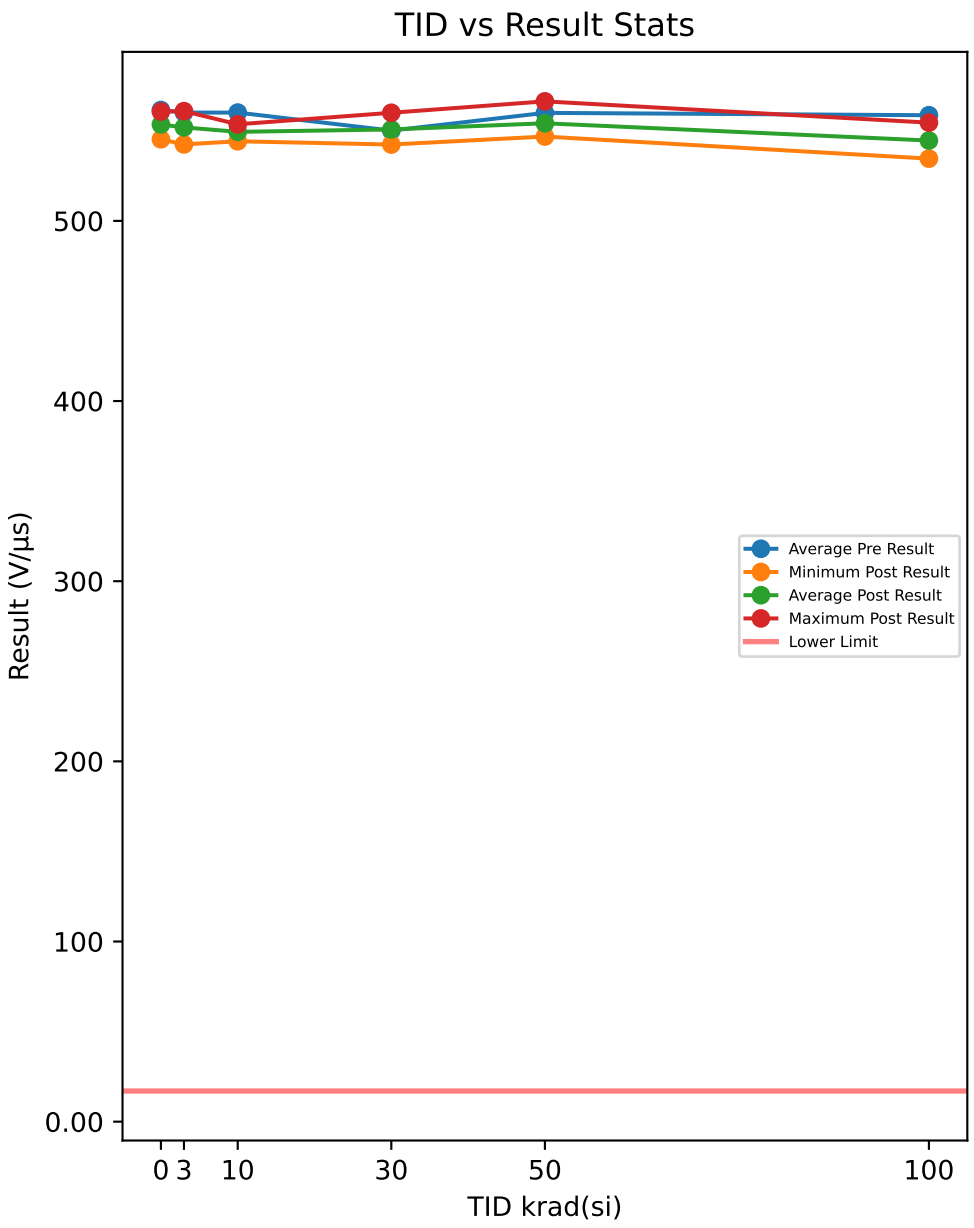
Test Results (Lower Limit = 17.0 (V/µs))

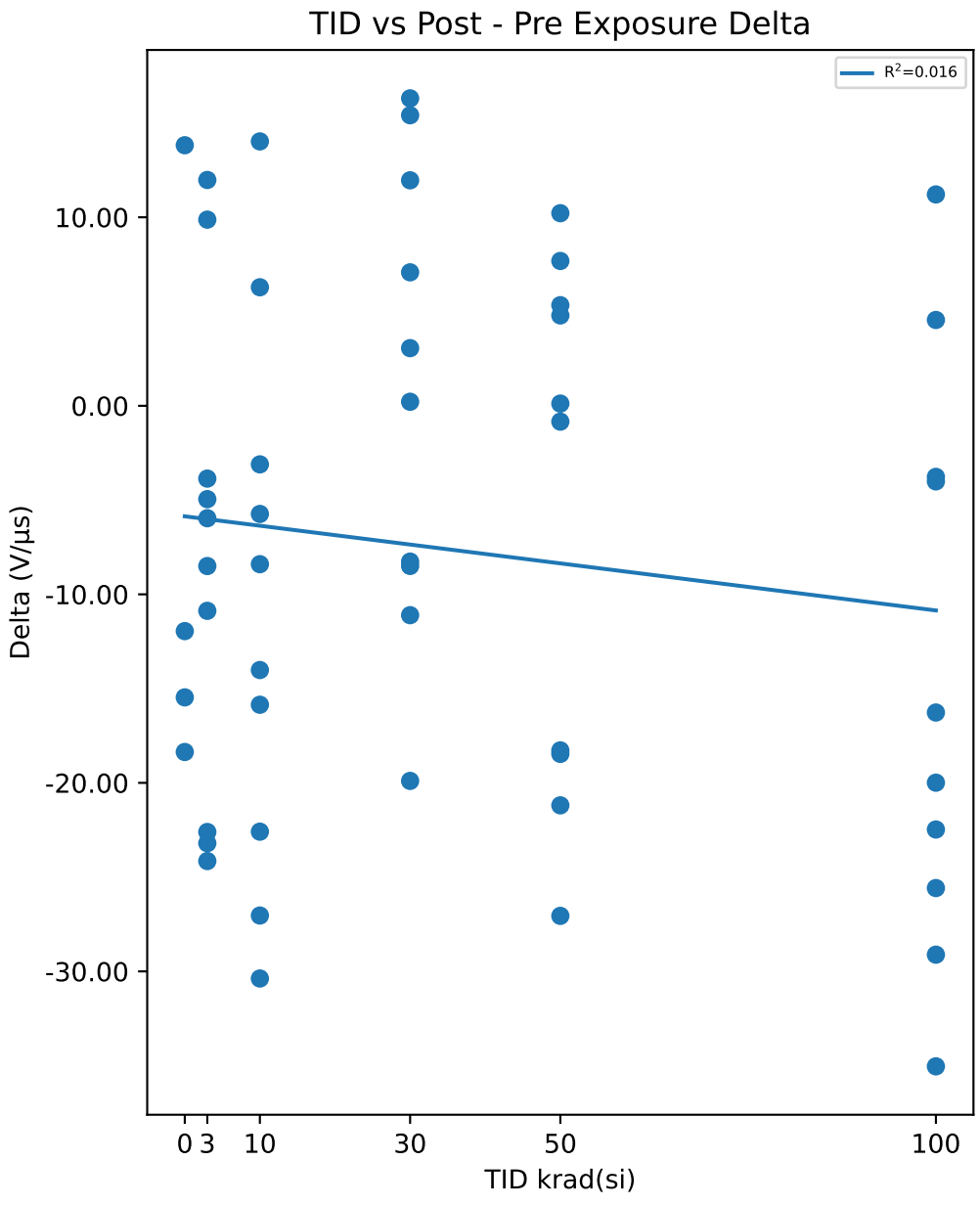
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	546.78	502.95	-43.829
3	3	Biased	509.43	498.44	-10.991
4	3	Biased	545.58	502.29	-43.288
5	3	Biased	512.62	500.93	-11.688
6	3	Biased	531.84	493.19	-38.643
7	3	Unbiased	515.97	490.61	-25.366
8	3	Unbiased	538.34	494.25	-44.09
9	3	Unbiased	543.16	499.84	-43.324
10	3	Unbiased	539.91	507.92	-31.989
11	3	Unbiased	509.78	502.06	-7.7237
12	10	Unbiased	537.6	498.96	-38.638
13	10	Unbiased	515.69	501.27	-14.421
14	10	Unbiased	535.14	506.59	-28.548
15	10	Unbiased	514.25	500.02	-14.229
16	10	Unbiased	518.69	497.52	-21.169
17	10	Biased	515.46	503.8	-11.657
18	10	Biased	525.09	494.94	-30.151
19	10	Biased	529.79	504.66	-25.127
20	10	Biased	542.96	503.44	-39.522
21	10	Biased	514.49	502.88	-11.609
22	30	Biased	535.01	493.94	-41.07
23	30	Biased	536.28	496.07	-40.216
24	30	Biased	521.95	493.9	-28.054
25	30	Biased	541.39	504.05	-37.336
26	30	Biased	510.72	497.17	-13.553
27	30	Unbiased	527.1	492.83	-34.271
28	30	Unbiased	518.08	498.57	-19.512
29	30	Unbiased	535.08	497.18	-37.898
30	30	Unbiased	540.11	494.38	-45.724
31	30	Unbiased	543.25	496.44	-46.809
32	50	Biased	524.29	502.84	-21.449
33	50	Biased	530.93	503.86	-27.078
34	50	Biased	536.67	495.5	-41.167
35	50	Biased	514.35	499.15	-15.2
36	50	Biased	527.6	498.09	-29.512
37	50	Unbiased	532.78	501.18	-31.604
39	50	Unbiased	539.42	505.04	-34.38
40	50	Unbiased	522.63	506.49	-16.141
41	50	Unbiased	514.47	499.91	-14.558
42	50	Unbiased	540.18	505.05	-35.14
43	100	Biased	519.84	497.37	-22.466
44	100	Biased	541.72	501.78	-39.943
45	100	Biased	521.87	493.07	-28.797
46	100	Biased	511.24	504.4	-6.8375
47	100	Biased	512.4	496.85	-15.547
48	100	Unbiased	511.62	490.71	-20.913
49	100	Unbiased	502.71	499.87	-2.8313
50	100	Unbiased	523.92	494.46	-29.458
51	100	Unbiased	543.36	494.21	-49.156
52	100	Unbiased	540.04	496.48	-43.557
53	0	Correlation	528.78	511.7	-17.085
54	0	Correlation	517.93	503.21	-14.716
55	0	Correlation	542.17	509.6	-32.576
56	0	Correlation	507.47	502.44	-5.0285

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	507.47	524.09	542.17	14.867	502.44	506.74	511.7	4.6055	-32.576	-17.351	-5.0285	11.411
3	509.43	529.34	546.78	15.617	490.61	499.25	507.92	5.2308	-44.09	-30.093	-7.7237	15.044
10	514.25	524.92	542.96	10.805	494.94	501.41	506.59	3.5644	-39.522	-23.507	-11.609	10.613
30	510.72	530.9	543.25	10.939	492.83	496.45	504.05	3.227	-46.809	-34.444	-13.553	10.944
50	514.35	528.33	540.18	9.4086	495.5	501.71	506.49	3.5384	-41.167	-26.623	-14.558	9.3706
100	502.71	522.87	543.36	14.373	490.71	496.92	504.4	4.156	-49.156	-25.951	-2.8313	15.313

Device Test: 19.28; RESET_SLEW_RATE_RISE





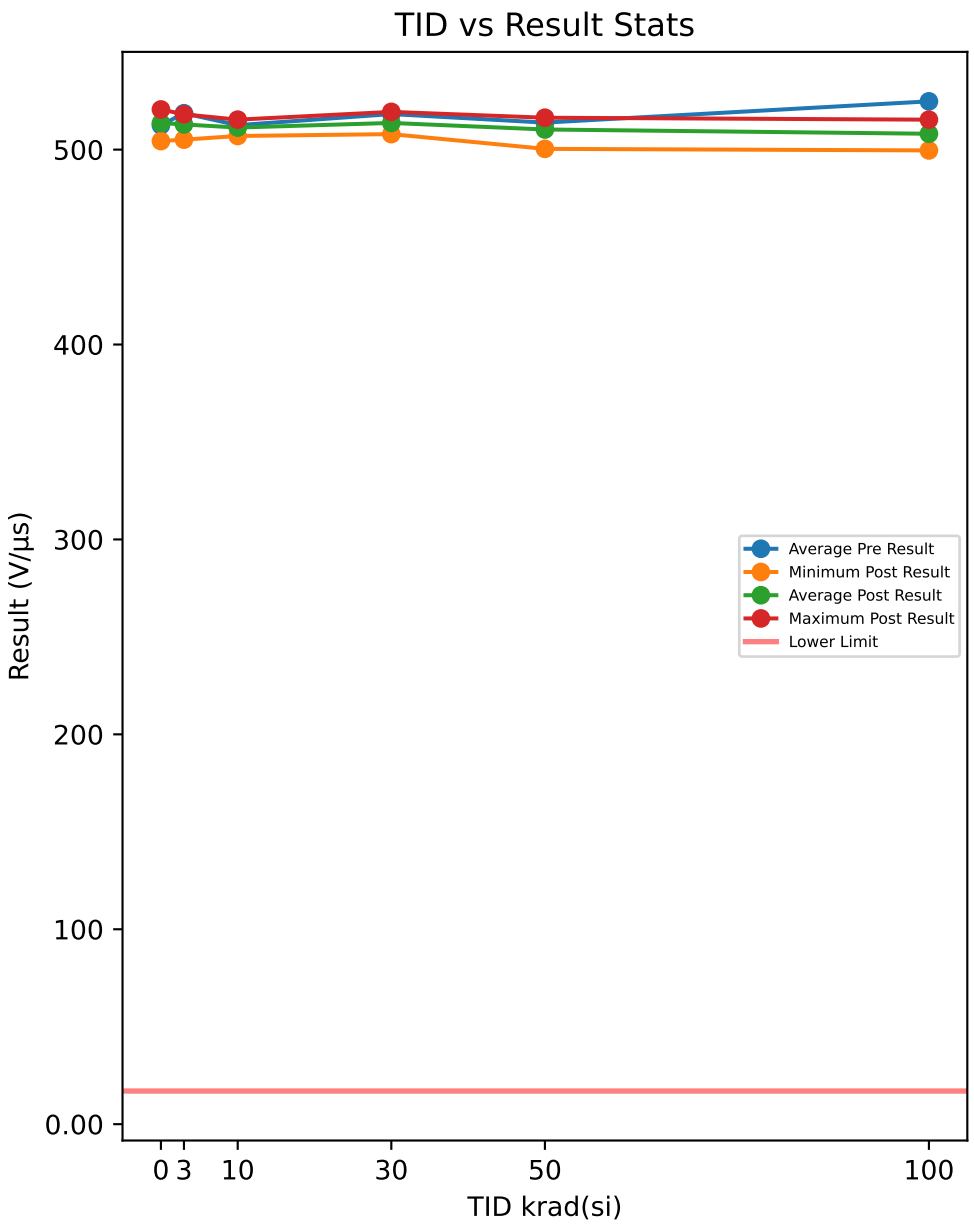
Test Results (Lower Limit = 17.0 (V/µs))

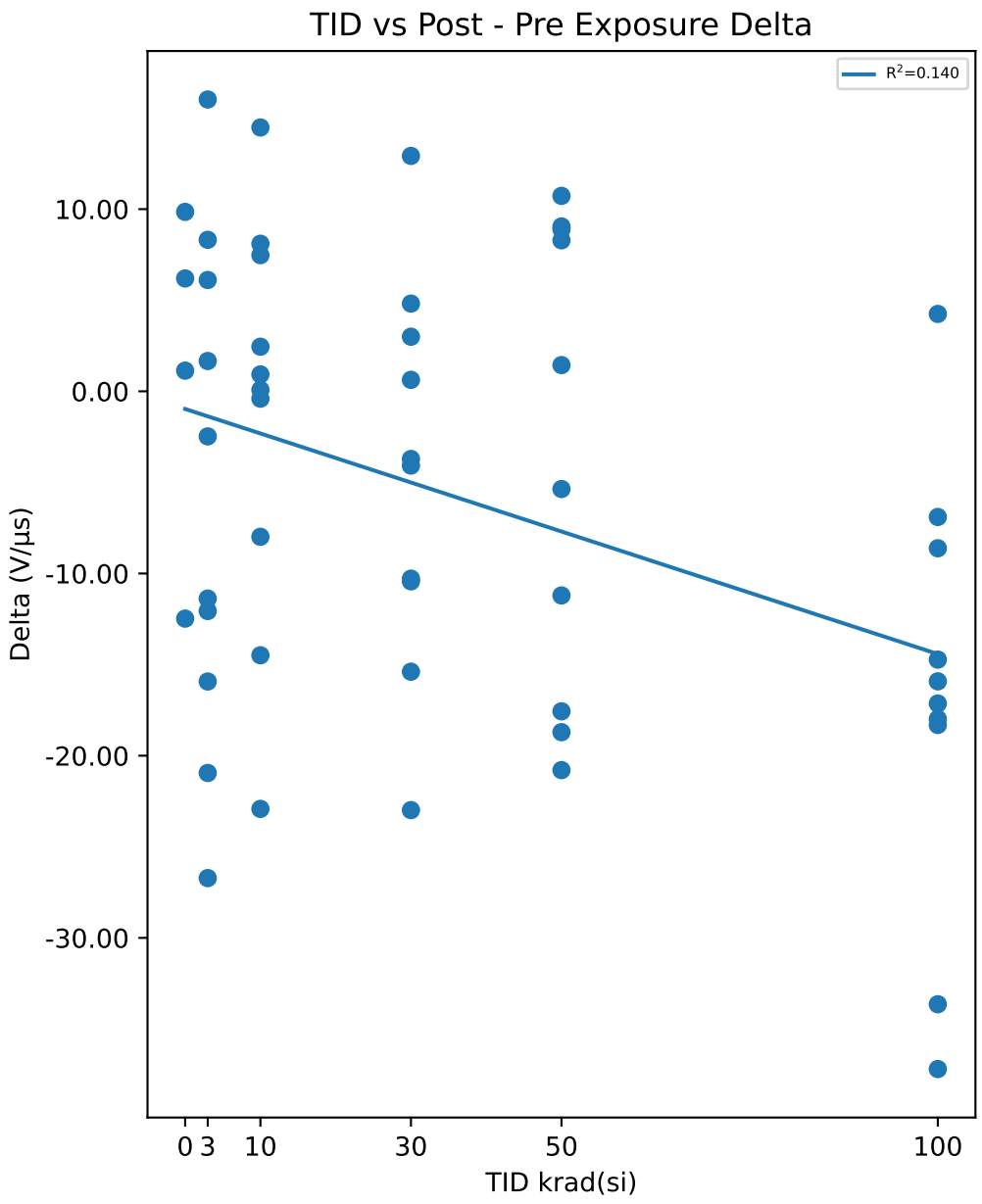
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	571.43	548.83	-22.606
3	3	Biased	548.43	542.46	-5.9639
4	3	Biased	564.09	555.59	-8.5
5	3	Biased	571.79	560.92	-10.876
6	3	Biased	548.27	558.14	9.8744
7	3	Unbiased	566.43	543.23	-23.201
8	3	Unbiased	558.99	555.13	-3.8618
9	3	Unbiased	558.1	553.15	-4.9512
10	3	Unbiased	569.59	545.45	-24.147
11	3	Unbiased	544.17	556.15	11.979
12	10	Unbiased	552.6	544.2	-8.4015
13	10	Unbiased	567.23	553.21	-14.016
14	10	Unbiased	536.14	550.17	14.024
15	10	Unbiased	548.15	545.05	-3.107
16	10	Unbiased	559.35	553.61	-5.7367
17	10	Biased	565.4	549.54	-15.856
18	10	Biased	543.1	549.39	6.288
19	10	Biased	579.63	549.25	-30.378
20	10	Biased	569.57	546.98	-22.589
21	10	Biased	579.98	552.94	-27.038
22	30	Biased	548.81	549.02	0.2138
23	30	Biased	537.09	552.5	15.412
24	30	Biased	566.91	547.01	-19.896
25	30	Biased	543.71	560.02	16.308
26	30	Biased	567.28	556.18	-11.106
27	30	Unbiased	553.18	544.68	-8.4948
28	30	Unbiased	555.28	547.02	-8.2638
29	30	Unbiased	545.23	557.19	11.961
30	30	Unbiased	548.48	551.54	3.0586
31	30	Unbiased	535.3	542.38	7.0797
32	50	Biased	571.01	549.82	-21.193
33	50	Biased	551.71	550.87	-0.8395
34	50	Biased	543.72	553.94	10.216
35	50	Biased	554.28	554.39	0.1174
36	50	Biased	573.88	546.82	-27.056
37	50	Unbiased	546.03	550.82	4.7934
39	50	Unbiased	576.63	558.36	-18.278
40	50	Unbiased	573.95	555.49	-18.464
41	50	Unbiased	549.7	555.03	5.3364
42	50	Unbiased	558.67	566.35	7.6824
43	100	Biased	570.81	554.54	-16.27
44	100	Biased	542.89	547.44	4.5525
45	100	Biased	572.71	543.6	-29.114
46	100	Biased	568.73	548.74	-19.992
47	100	Biased	537.28	548.49	11.211
48	100	Unbiased	568.95	546.48	-22.474
49	100	Unbiased	544.08	540.31	-3.7698
50	100	Unbiased	565.5	539.92	-25.581
51	100	Unbiased	569.61	534.57	-35.037
52	100	Unbiased	545.95	541.94	-4.0098
53	0	Correlation	576.16	560.69	-15.466
54	0	Correlation	542.48	556.3	13.821
55	0	Correlation	570.22	551.86	-18.363
56	0	Correlation	557.24	545.29	-11.951

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	542.48	561.52	576.16	14.955	545.29	553.53	560.69	6.5734	-18.363	-7.9898	13.821	14.775
3	544.17	560.13	571.79	10.255	542.46	551.9	560.92	6.4905	-24.147	-8.2254	11.979	12.747
10	536.14	560.11	579.98	14.936	544.2	549.43	553.61	3.2885	-30.378	-10.681	14.024	14.223
30	535.3	550.13	567.28	10.909	542.38	550.76	560.02	5.7561	-19.896	0.62727	16.308	12.301
50	543.72	559.96	576.63	12.713	546.82	554.19	566.35	5.4106	-27.056	-5.7684	10.216	13.9
100	537.28	558.65	572.71	14.138	534.57	544.6	554.54	5.6927	-35.037	-14.048	11.211	15.283

Device Test: 19.29; PWRGD_SLEW_RATE_RISE





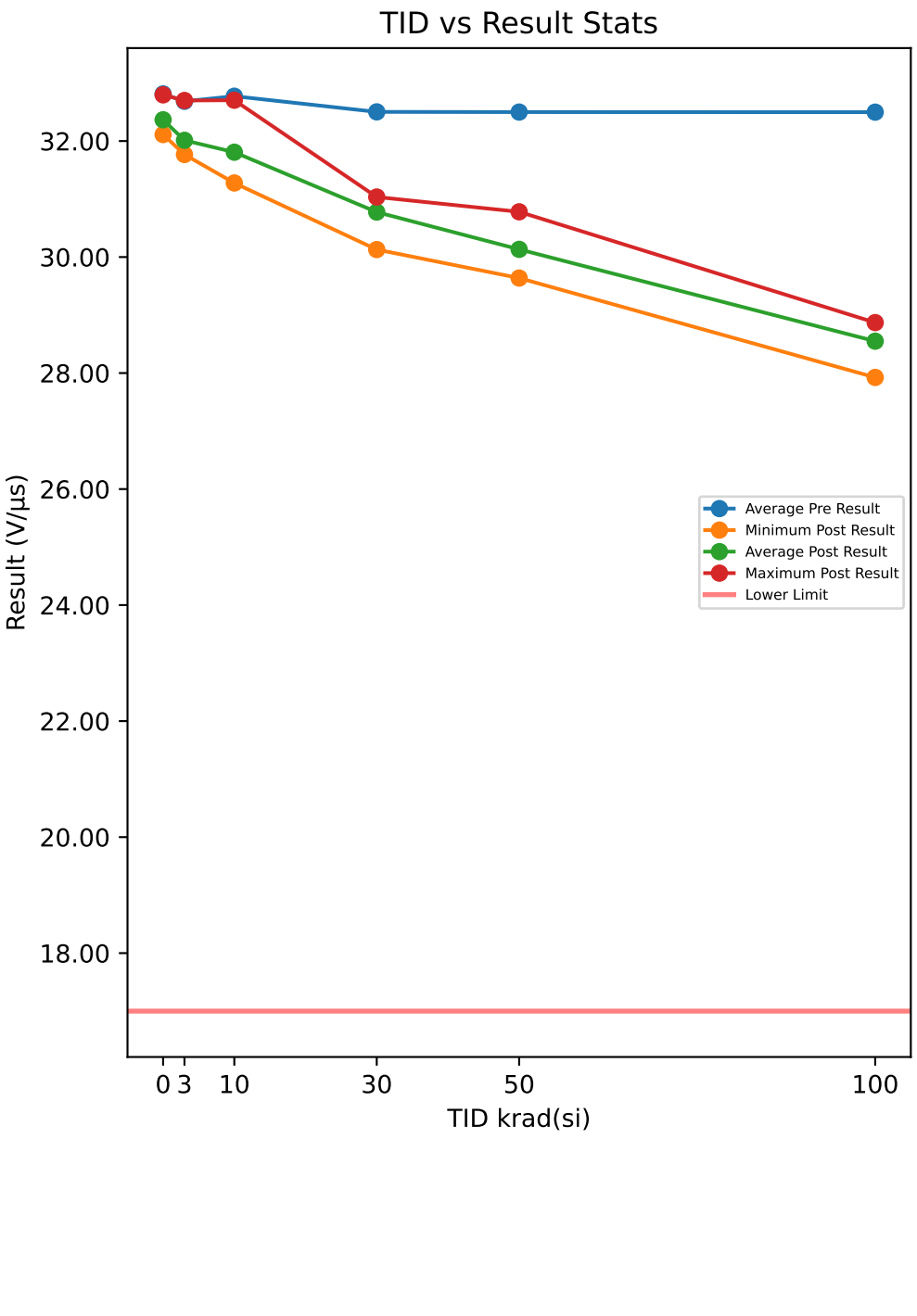
Test Results (Lower Limit = 17.0 (V/µs))

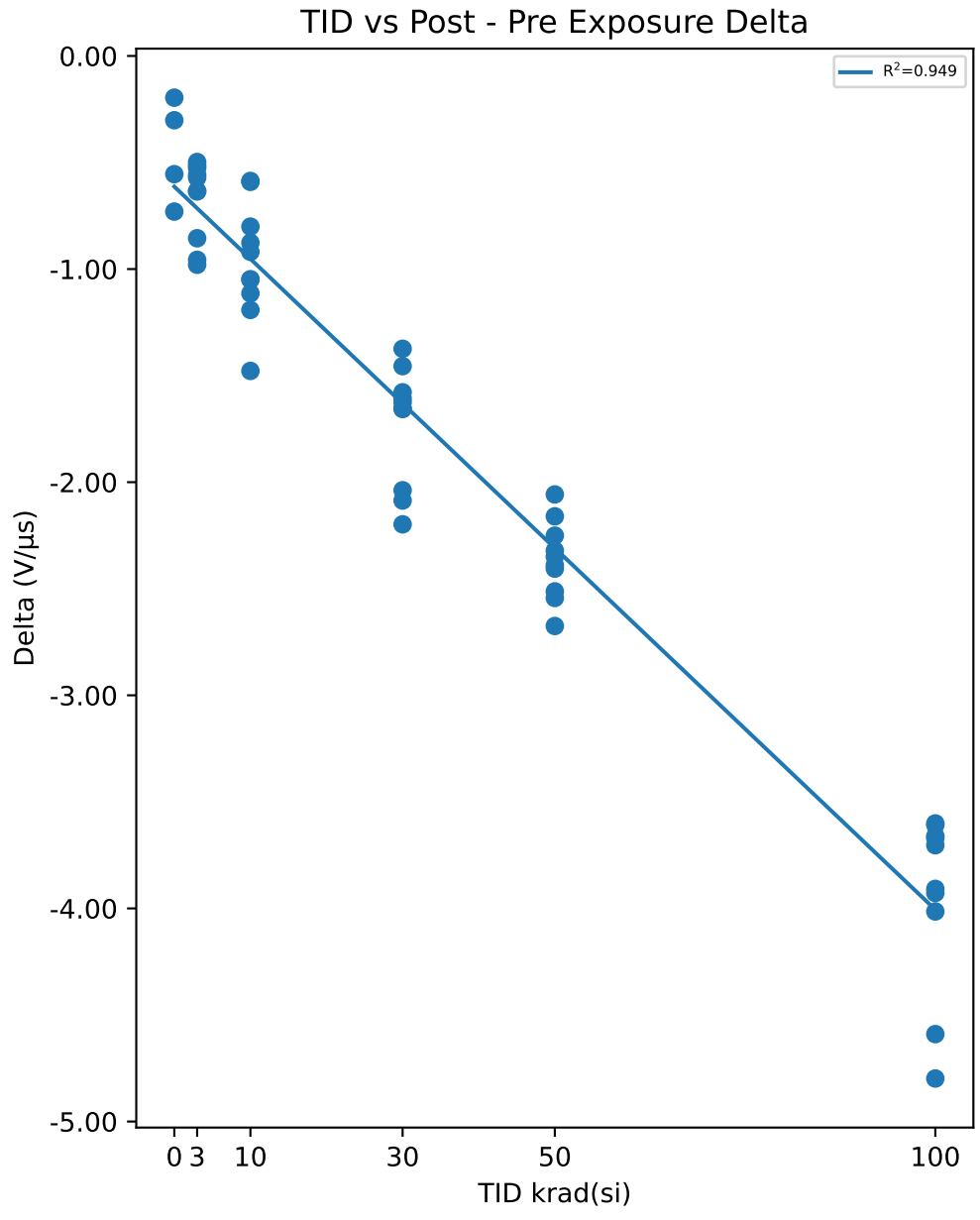
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	501.08	517.1	16.017
3	3	Biased	507.59	505.11	-2.4741
4	3	Biased	504.75	510.86	6.1099
5	3	Biased	530.17	518.11	-12.058
6	3	Biased	529.15	517.77	-11.376
7	3	Unbiased	533.97	518.04	-15.927
8	3	Unbiased	503.01	511.33	8.3153
9	3	Unbiased	512.66	514.32	1.6634
10	3	Unbiased	528.62	507.67	-20.948
11	3	Unbiased	535.58	508.86	-26.719
12	10	Unbiased	498.24	512.72	14.481
13	10	Unbiased	535.37	512.45	-22.92
14	10	Unbiased	514.45	515.37	0.9278
15	10	Unbiased	514.98	506.99	-7.986
16	10	Unbiased	523.57	509.09	-14.488
17	10	Biased	505.54	513.02	7.4734
18	10	Biased	500.96	509.06	8.0988
19	10	Biased	512.64	515.09	2.4478
20	10	Biased	508.56	508.64	0.0835
21	10	Biased	511.18	510.77	-0.4041
22	30	Biased	527.08	516.8	-10.283
23	30	Biased	517.11	513.4	-3.7145
24	30	Biased	523.55	508.16	-15.39
25	30	Biased	523.44	519.36	-4.0754
26	30	Biased	522.99	512.56	-10.429
27	30	Unbiased	504.9	517.82	12.92
28	30	Unbiased	512.21	517.02	4.8136
29	30	Unbiased	507.26	510.26	2.9957
30	30	Unbiased	536.55	513.56	-22.987
31	30	Unbiased	507.32	507.95	0.6293
32	50	Biased	528.68	509.97	-18.709
33	50	Biased	503.24	512.29	9.0492
34	50	Biased	505.75	500.39	-5.363
35	50	Biased	499.62	501.06	1.4398
36	50	Biased	505.64	516.37	10.726
37	50	Unbiased	504.8	513.09	8.2881
39	50	Unbiased	525.63	514.42	-11.205
40	50	Unbiased	531.57	514	-17.564
41	50	Unbiased	502.98	511.87	8.8884
42	50	Unbiased	530.64	509.85	-20.791
43	100	Biased	527.17	508.86	-18.313
44	100	Biased	509.74	513.99	4.2477
45	100	Biased	524.24	508.32	-15.92
46	100	Biased	541.75	504.55	-37.199
47	100	Biased	534.76	501.11	-33.643
48	100	Unbiased	516.88	509.99	-6.8974
49	100	Unbiased	508.21	499.59	-8.6145
50	100	Unbiased	532.5	515.37	-17.136
51	100	Unbiased	523.64	508.92	-14.727
52	100	Unbiased	528.69	510.7	-17.985
53	0	Correlation	512.62	513.75	1.1343
54	0	Correlation	505.99	515.84	9.8486
55	0	Correlation	533.08	520.6	-12.476
56	0	Correlation	498.19	504.38	6.1949

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	498.19	512.47	533.08	14.952	504.38	513.64	520.6	6.8069	-12.476	1.1754	9.8486	9.7774
3	501.08	518.66	535.58	14.017	505.11	512.92	518.11	4.8058	-26.719	-5.7396	16.017	13.839
10	498.24	512.55	535.37	10.841	506.99	511.32	515.37	2.8495	-22.92	-1.2286	14.481	11.166
30	504.9	518.24	536.55	10.255	507.95	513.69	519.36	4.0374	-22.987	-4.5522	12.92	10.554
50	499.62	513.85	531.57	13.344	500.39	510.33	516.37	5.4333	-20.791	-3.5241	10.726	12.77
100	508.21	524.76	541.75	10.713	499.59	508.14	515.37	5.0869	-37.199	-16.619	4.2477	12.094

Device Test: 19.3; RESET_SLEW_RATE_RISE





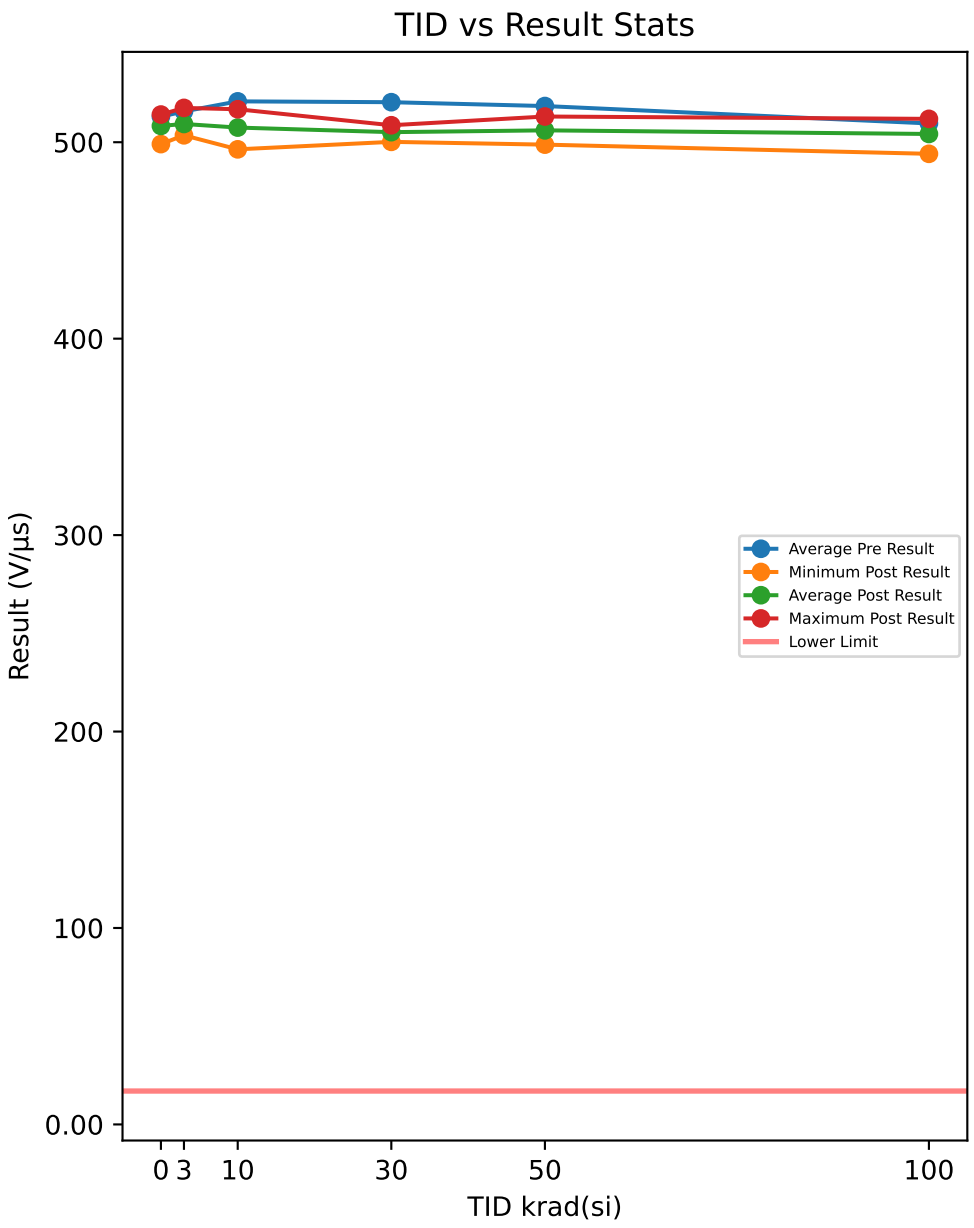
Test Results (Lower Limit = 17.0 (V/µs))

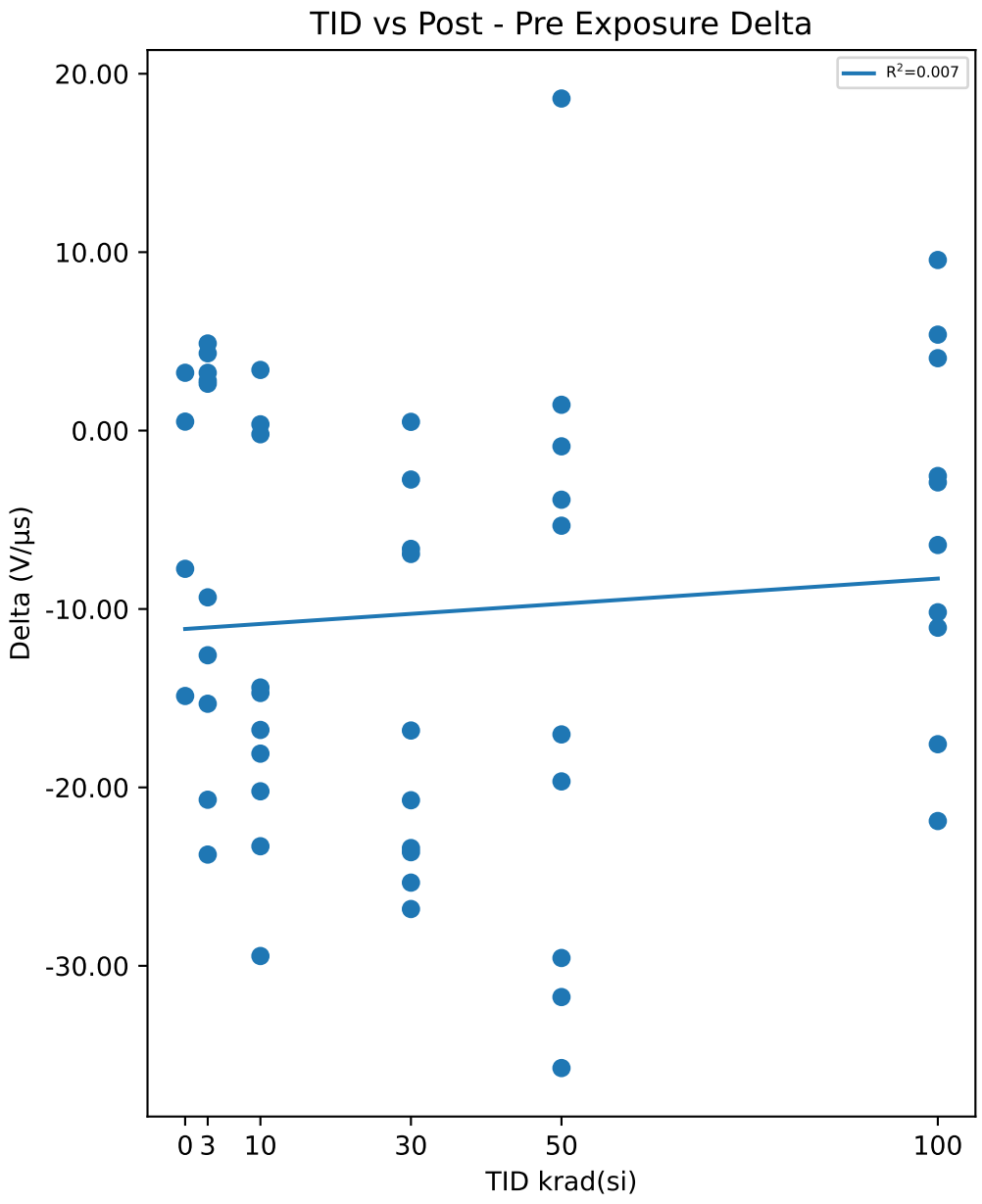
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	32.672	31.817	-0.8554
3	3	Biased	32.403	31.767	-0.6357
4	3	Biased	33.256	32.699	-0.5572
5	3	Biased	32.357	31.786	-0.5712
6	3	Biased	32.907	31.951	-0.9566
7	3	Unbiased	32.834	31.854	-0.9798
8	3	Unbiased	32.61	32.096	-0.5134
9	3	Unbiased	32.415	31.89	-0.5253
10	3	Unbiased	33.01	32.376	-0.6337
11	3	Unbiased	32.386	31.888	-0.4976
12	10	Unbiased	31.933	31.346	-0.5865
13	10	Unbiased	31.868	31.277	-0.5908
14	10	Unbiased	32.625	31.576	-1.0487
15	10	Unbiased	32.839	31.647	-1.1918
16	10	Unbiased	32.932	32.132	-0.8008
17	10	Biased	33.286	31.808	-1.4779
18	10	Biased	32.679	31.76	-0.9191
19	10	Biased	33.818	32.704	-1.1138
20	10	Biased	32.782	31.905	-0.8764
21	10	Biased	32.968	31.92	-1.0485
22	30	Biased	32.817	30.779	-2.0378
23	30	Biased	31.783	30.129	-1.6537
24	30	Biased	32.163	30.556	-1.6067
25	30	Biased	32.687	31.03	-1.6569
26	30	Biased	32.499	30.921	-1.5783
27	30	Unbiased	32.432	30.977	-1.4554
28	30	Unbiased	32.524	30.898	-1.6256
29	30	Unbiased	33.027	30.941	-2.0861
30	30	Unbiased	32.685	30.488	-2.1978
31	30	Unbiased	32.409	31.035	-1.3741
32	50	Biased	32.725	30.376	-2.349
33	50	Biased	32.469	30.079	-2.3899
34	50	Biased	32.064	29.813	-2.2509
35	50	Biased	32.151	29.638	-2.5126
36	50	Biased	32.02	29.86	-2.1602
37	50	Unbiased	32.481	30.424	-2.0576
39	50	Unbiased	32.546	30.141	-2.4056
40	50	Unbiased	33.101	30.78	-2.3208
41	50	Unbiased	32.529	29.986	-2.5433
42	50	Unbiased	32.906	30.231	-2.6749
43	100	Biased	32.602	28.694	-3.9083
44	100	Biased	33.09	28.5	-4.5898
45	100	Biased	32.723	27.925	-4.7982
46	100	Biased	32.495	28.567	-3.9277
47	100	Biased	32.498	28.484	-4.0144
48	100	Unbiased	32.289	28.62	-3.6695
49	100	Unbiased	32.304	28.644	-3.6604
50	100	Unbiased	32.394	28.69	-3.7037
51	100	Unbiased	32.471	28.87	-3.6013
52	100	Unbiased	32.112	28.503	-3.6086
53	0	Correlation	33.056	32.326	-0.7303
54	0	Correlation	32.667	32.112	-0.5546
55	0	Correlation	32.992	32.796	-0.1958
56	0	Correlation	32.533	32.231	-0.3017

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	32.533	32.812	33.056	0.25227	32.112	32.366	32.796	0.29955	-0.7303	-0.4456	-0.1958	0.24224
3	32.357	32.685	33.256	0.30889	31.767	32.012	32.699	0.30178	-0.9798	-0.67259	-0.4976	0.18636
10	31.868	32.773	33.818	0.57521	31.277	31.808	32.704	0.40908	-1.4779	-0.96543	-0.5865	0.27301
30	31.783	32.503	33.027	0.34776	30.129	30.775	31.035	0.29536	-2.1978	-1.7272	-1.3741	0.27942
50	32.02	32.499	33.101	0.35326	29.638	30.133	30.78	0.33636	-2.6749	-2.3665	-2.0576	0.18364
100	32.112	32.498	33.09	0.26939	27.925	28.55	28.87	0.24873	-4.7982	-3.9482	-3.6013	0.42118

Device Test: 19.30; WDO_SLEW_RATE_RISE





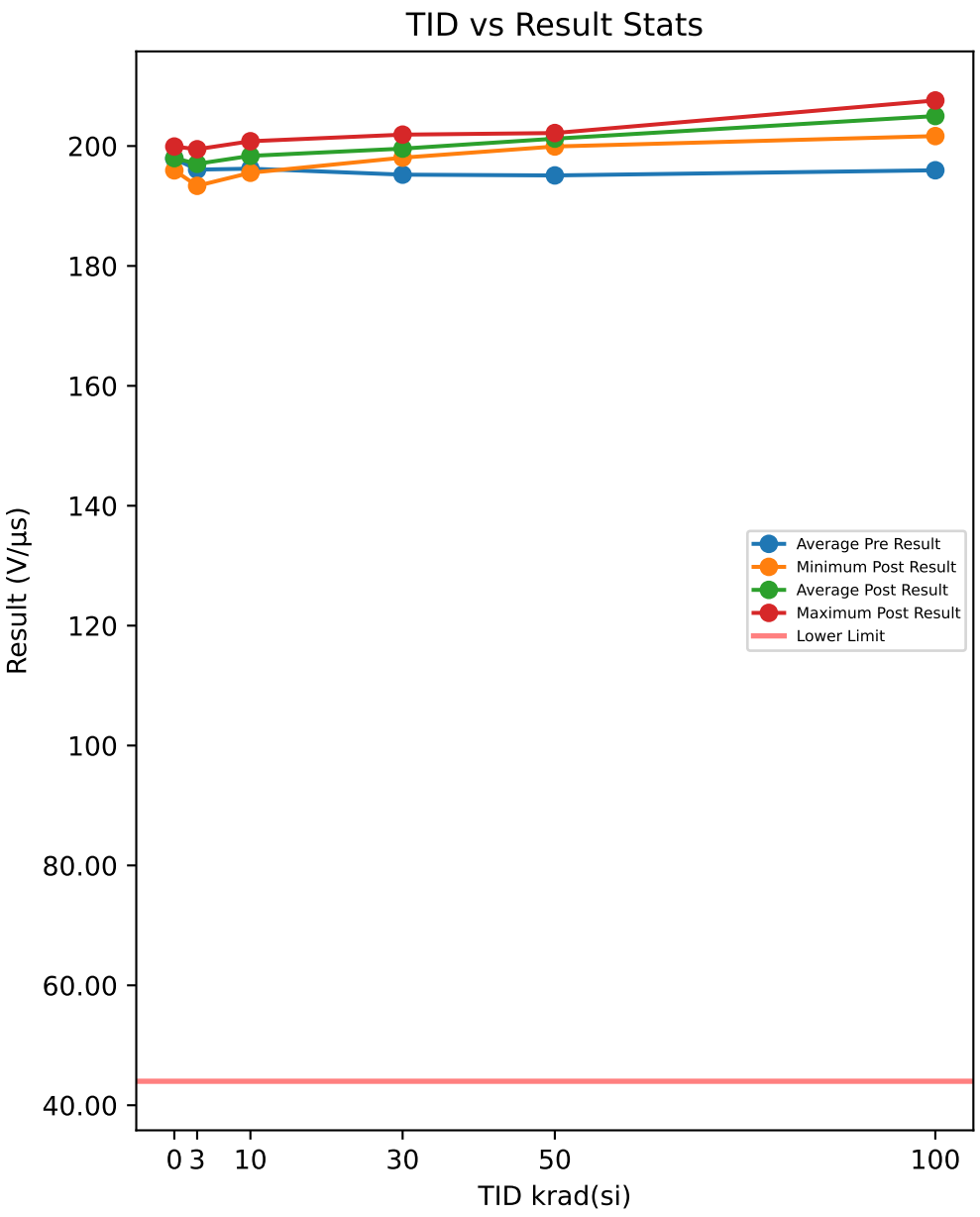
Test Results (Lower Limit = 17.0 (V/µs))

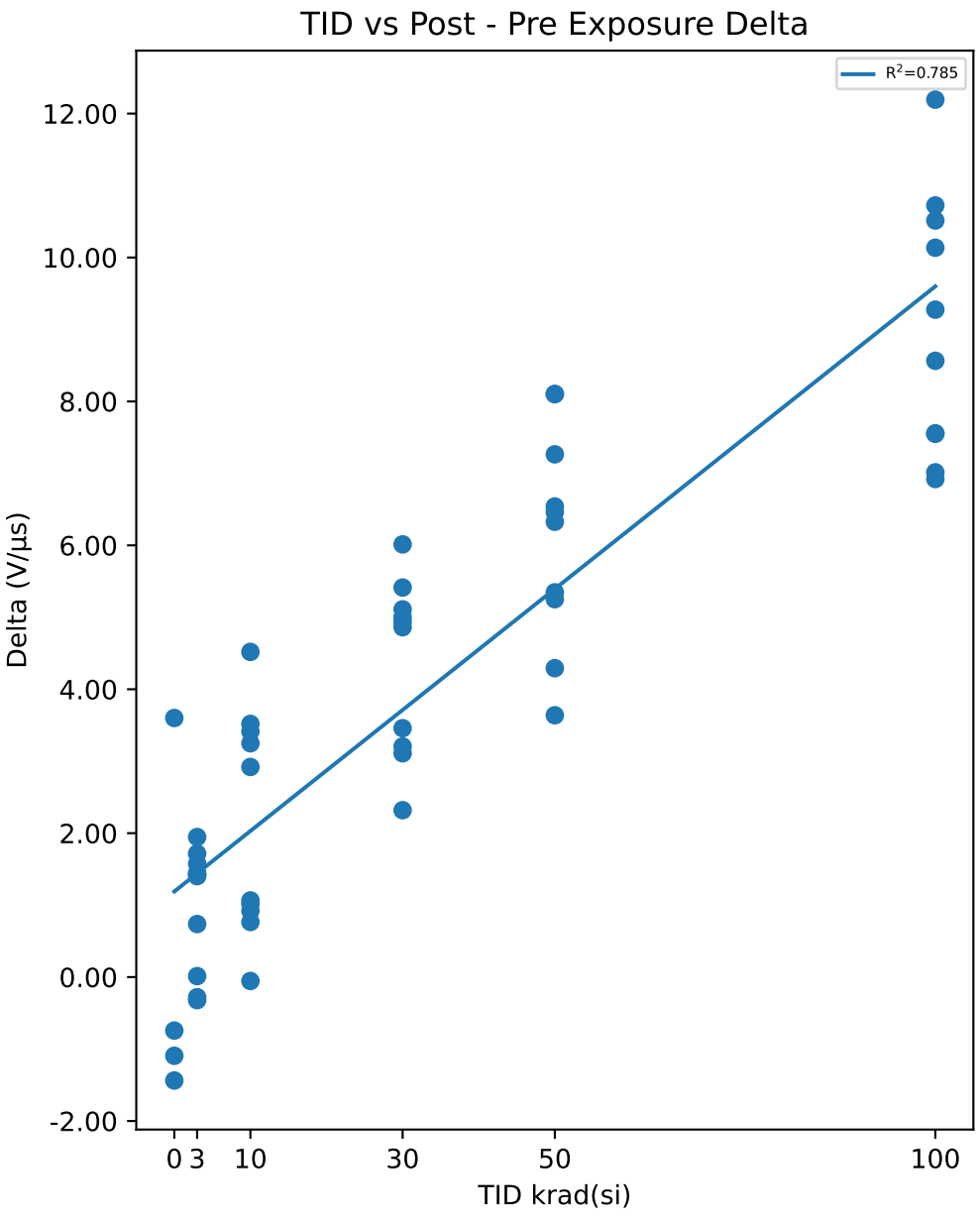
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	512.59	517.47	4.8813
3	3	Biased	526.7	506	-20.691
4	3	Biased	531.67	507.91	-23.765
5	3	Biased	507.7	510.94	3.239
6	3	Biased	512.87	503.52	-9.347
7	3	Unbiased	504.21	507.01	2.7948
8	3	Unbiased	527.93	512.62	-15.311
9	3	Unbiased	505.57	508.2	2.6259
10	3	Unbiased	505.36	509.69	4.3302
11	3	Unbiased	522.14	509.55	-12.592
12	10	Unbiased	529.19	499.74	-29.451
13	10	Unbiased	535.83	512.53	-23.298
14	10	Unbiased	531.19	516.78	-14.401
15	10	Unbiased	508.43	508.78	0.3504
16	10	Unbiased	523.6	508.9	-14.709
17	10	Biased	517.62	499.51	-18.107
18	10	Biased	504.74	504.54	-0.2065
19	10	Biased	527.58	510.8	-16.779
20	10	Biased	492.98	496.38	3.3992
21	10	Biased	536.85	516.63	-20.218
22	30	Biased	534.49	507.67	-26.817
23	30	Biased	511.39	508.64	-2.7449
24	30	Biased	523.82	500.19	-23.63
25	30	Biased	515.27	508.35	-6.9165
26	30	Biased	521.83	505.01	-16.811
27	30	Unbiased	525.1	501.7	-23.4
28	30	Unbiased	524.69	503.97	-20.72
29	30	Unbiased	529.8	504.46	-25.337
30	30	Unbiased	509.29	502.66	-6.6314
31	30	Unbiased	508.1	508.59	0.4893
32	50	Biased	502.64	504.08	1.4454
33	50	Biased	511.54	506.21	-5.3323
34	50	Biased	528.34	498.78	-29.561
35	50	Biased	534.9	499.17	-35.73
36	50	Biased	494.48	513.09	18.612
37	50	Unbiased	506.13	502.25	-3.8752
39	50	Unbiased	531.75	512.08	-19.664
40	50	Unbiased	537.41	505.66	-31.75
41	50	Unbiased	509.27	508.39	-0.8839
42	50	Unbiased	527.73	510.7	-17.03
43	100	Biased	517.17	506.12	-11.049
44	100	Biased	499.8	509.36	9.5607
45	100	Biased	523	501.12	-21.884
46	100	Biased	504.51	509.89	5.3772
47	100	Biased	514.8	504.62	-10.185
48	100	Unbiased	518.3	511.89	-6.4137
49	100	Unbiased	497.04	494.49	-2.5459
50	100	Unbiased	509.62	506.71	-2.9044
51	100	Unbiased	499.74	503.79	4.0573
52	100	Unbiased	511.68	494.1	-17.579
53	0	Correlation	528.96	514.09	-14.876
54	0	Correlation	506.79	499.05	-7.7478
55	0	Correlation	509.58	512.82	3.2398
56	0	Correlation	506.72	507.22	0.502

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	506.72	513.01	528.96	10.715	499.05	508.29	514.09	6.8492	-14.876	-4.7205	3.2398	8.2248
3	504.21	515.67	531.67	10.491	503.52	509.29	517.47	3.8492	-23.765	-6.3835	4.8813	11.223
10	492.98	520.8	536.85	14.569	496.38	507.46	516.78	7.1939	-29.451	-13.342	3.3992	10.973
30	508.1	520.38	534.49	8.9647	500.19	505.12	508.64	3.079	-26.817	-15.252	0.4893	10.287
50	494.48	518.42	537.41	15.273	498.78	506.04	513.09	5.0739	-35.73	-12.377	18.612	17.308
100	497.04	509.56	523	8.9511	494.1	504.21	511.89	6.094	-21.884	-5.3565	9.5607	10.109

Device Test: 19.31; RESET_SLEW_RATE_FALL





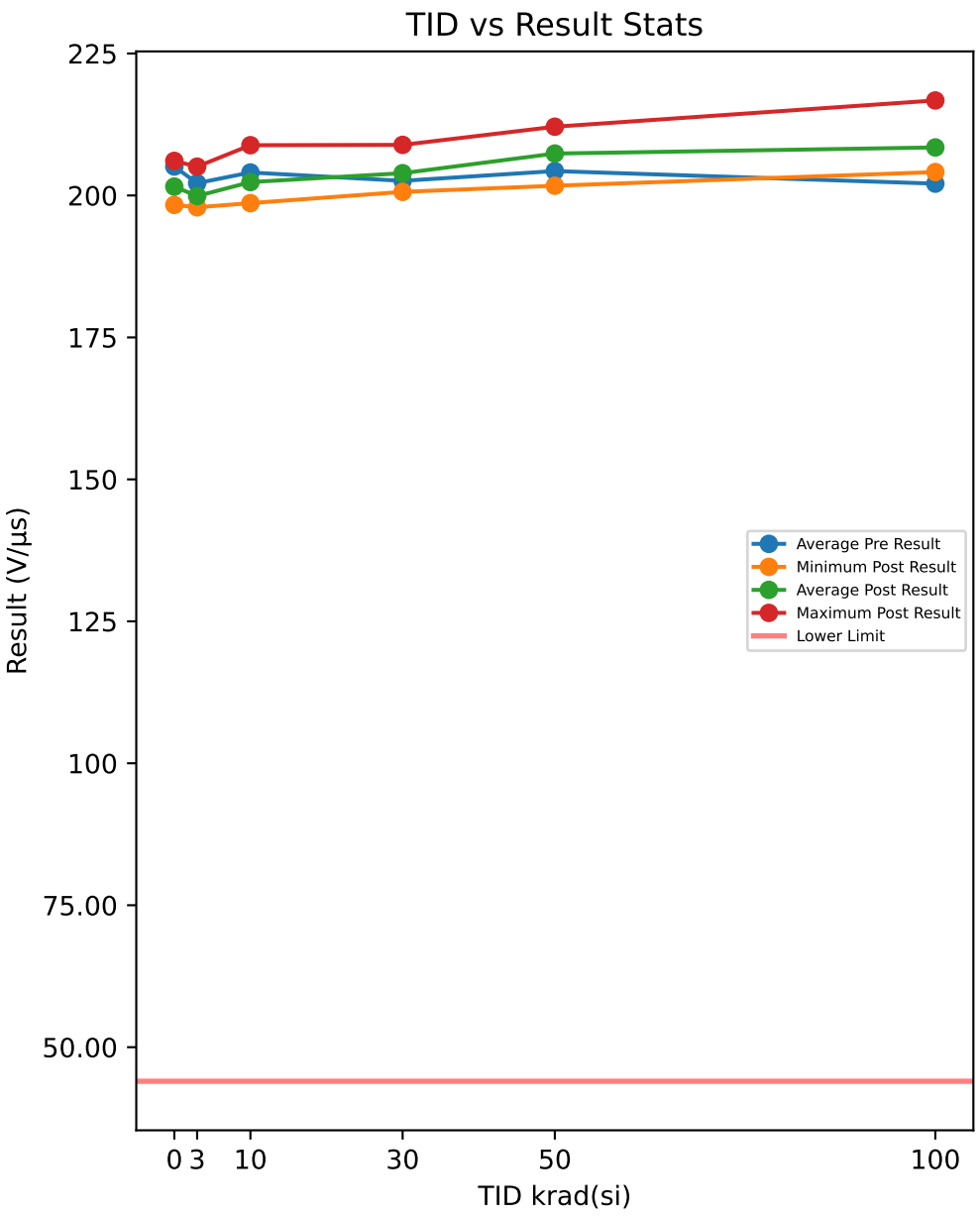
Test Results (Lower Limit = 44.0 (V/µs))

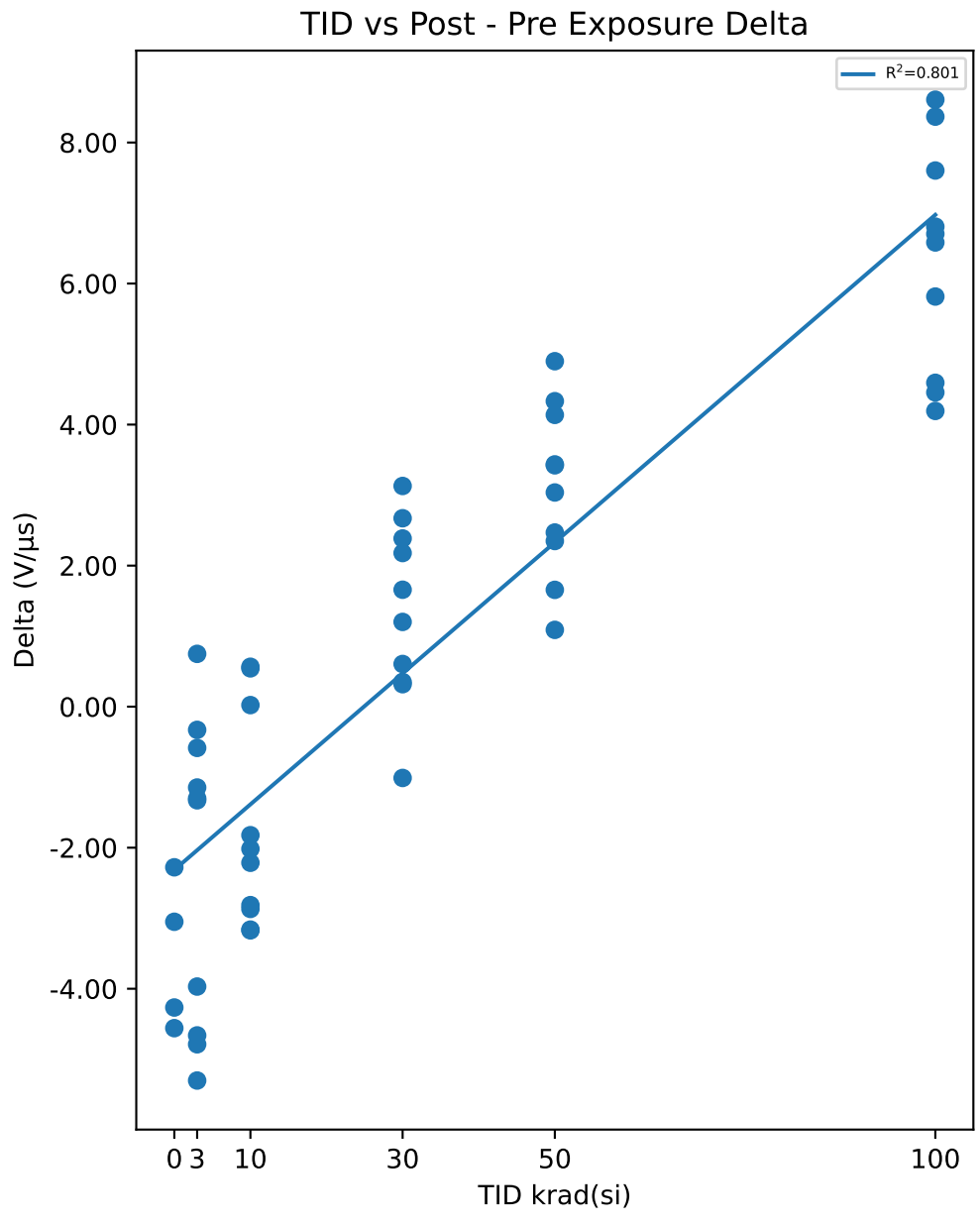
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	195.04	195.05	0.0136
3	3	Biased	195.65	197.59	1.9466
4	3	Biased	197.16	198.61	1.4461
5	3	Biased	191.79	193.36	1.5754
6	3	Biased	198.04	199.47	1.4307
7	3	Unbiased	196.55	197.95	1.403
8	3	Unbiased	198.76	198.48	-0.2794
9	3	Unbiased	191.8	193.51	1.7159
10	3	Unbiased	198.58	199.32	0.7371
11	3	Unbiased	197.29	196.97	-0.3202
12	10	Unbiased	194.48	195.54	1.0651
13	10	Unbiased	195.87	198.79	2.92
14	10	Unbiased	193.74	197.26	3.5184
15	10	Unbiased	195.94	196.71	0.7657
16	10	Unbiased	194.34	197.75	3.4144
17	10	Biased	197.9	198.82	0.9209
18	10	Biased	194.81	199.33	4.5191
19	10	Biased	200.45	200.4	-0.0542
20	10	Biased	197.55	200.8	3.2493
21	10	Biased	197.18	198.19	1.0173
22	30	Biased	194.96	198.42	3.4589
23	30	Biased	195.18	200.12	4.9355
24	30	Biased	192.79	198.2	5.4135
25	30	Biased	198.7	201.9	3.2046
26	30	Biased	196.61	201.61	5.0023
27	30	Unbiased	193.2	198.06	4.8623
28	30	Unbiased	193.11	198.22	5.11
29	30	Unbiased	194.35	200.36	6.0134
30	30	Unbiased	197.3	200.41	3.1103
31	30	Unbiased	196.06	198.38	2.3193
32	50	Biased	193.71	200.25	6.5401
33	50	Biased	197.03	201.33	4.2931
34	50	Biased	198.01	201.65	3.6384
35	50	Biased	194.43	200.9	6.4619
36	50	Biased	195.5	201.82	6.3273
37	50	Unbiased	193.23	201.33	8.1017
39	50	Unbiased	196.72	202.07	5.3471
40	50	Unbiased	196.92	202.17	5.2516
41	50	Unbiased	191.82	199.92	8.1028
42	50	Unbiased	193.61	200.87	7.2648
43	100	Biased	199.54	206.46	6.922
44	100	Biased	196.64	206.78	10.136
45	100	Biased	192.07	202.79	10.724
46	100	Biased	193.09	201.66	8.5648
47	100	Biased	200.05	207.6	7.5566
48	100	Unbiased	194.06	204.57	10.514
49	100	Unbiased	192.76	204.95	12.194
50	100	Unbiased	199.03	206.04	7.0147
51	100	Unbiased	195.23	204.51	9.2753
52	100	Unbiased	197.1	204.65	7.5502
53	0	Correlation	194.52	198.12	3.6003
54	0	Correlation	199.02	197.93	-1.0937
55	0	Correlation	200.66	199.92	-0.7436
56	0	Correlation	197.38	195.94	-1.4371

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	194.52	197.9	200.66	2.6183	195.94	197.98	199.92	1.6255	-1.4371	0.081475	3.6003	2.3629
3	191.79	196.06	198.76	2.5417	193.36	197.03	199.47	2.2771	-0.3202	0.96688	1.9466	0.86265
10	193.74	196.23	200.45	2.0638	195.54	198.36	200.8	1.6236	-0.0542	2.1336	4.5191	1.5502
30	192.79	195.23	198.7	1.9527	198.06	199.57	201.9	1.4882	2.3193	4.343	6.0134	1.2144
50	191.82	195.1	198.01	2.0327	199.92	201.23	202.17	0.74959	3.6384	6.1329	8.1028	1.5037
100	192.07	195.96	200.05	2.9526	201.66	205	207.6	1.8183	6.922	9.0451	12.194	1.8087

Device Test: 19.32; RESET_SLEW_RATE_FALL





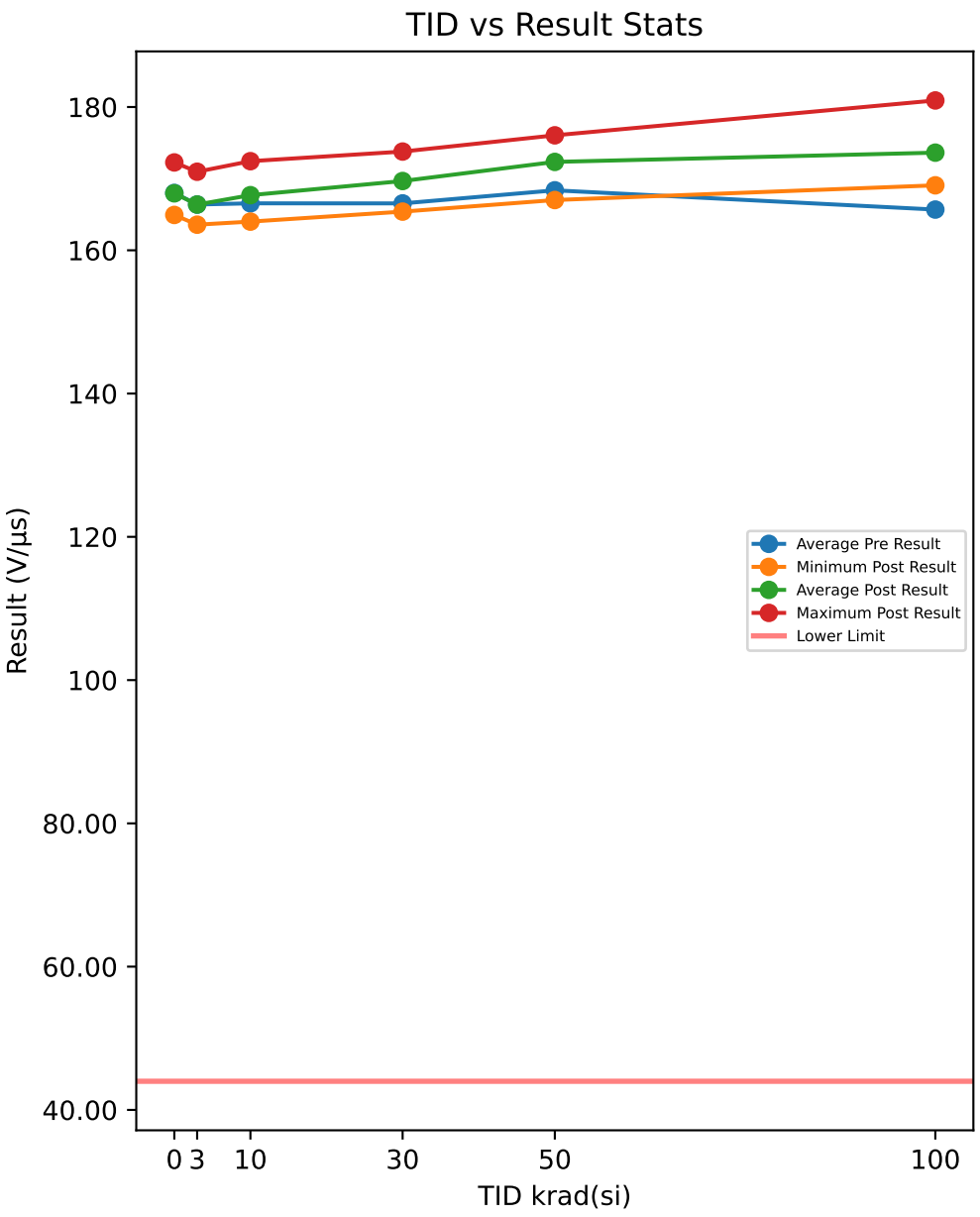
Test Results (Lower Limit = 44.0 (V/µs))

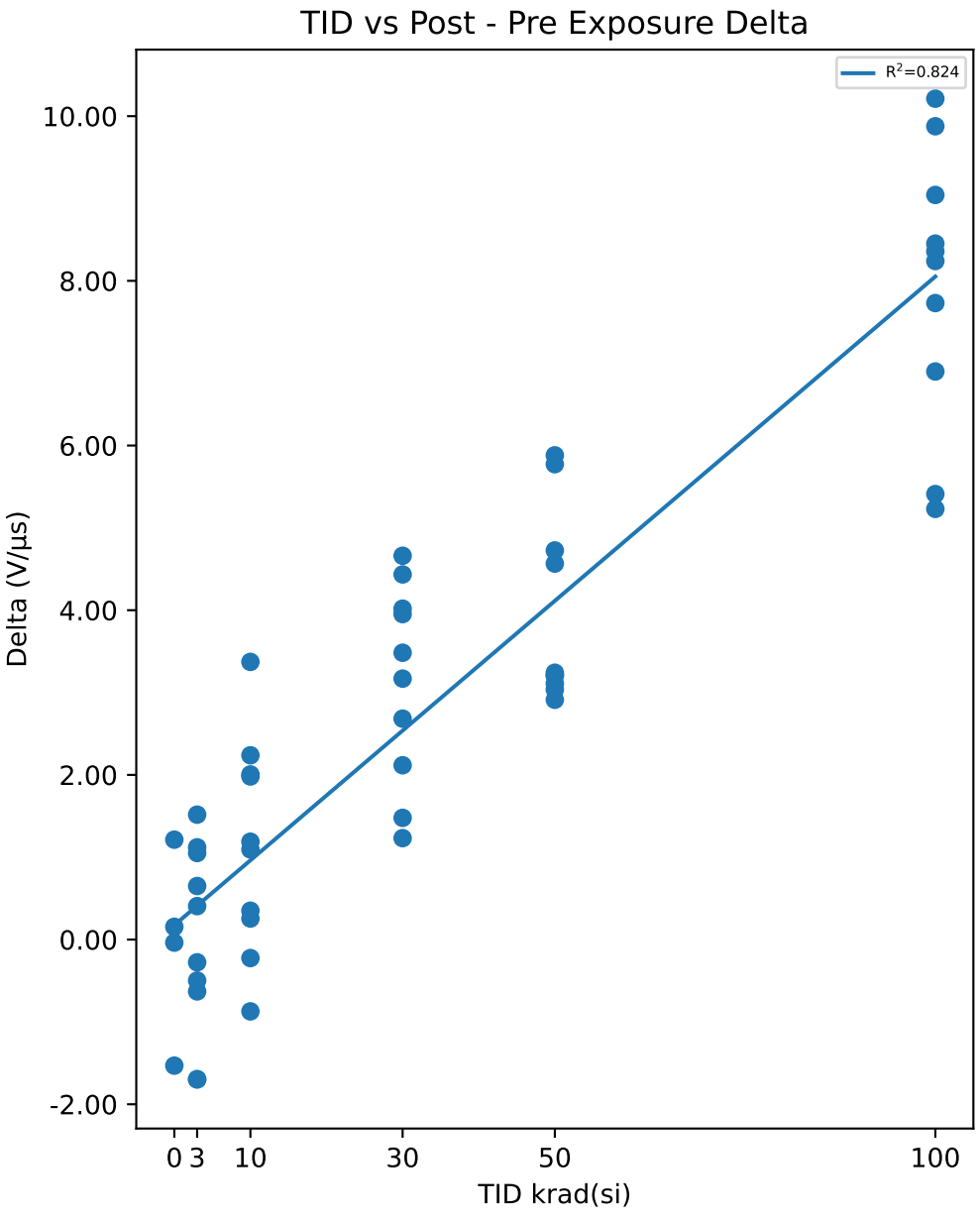
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	200.43	199.1	-1.3277
3	3	Biased	200.93	201.68	0.7487
4	3	Biased	203.95	198.65	-5.3017
5	3	Biased	202.01	198.04	-3.9691
6	3	Biased	201.1	200.78	-0.3289
7	3	Unbiased	199.45	198.15	-1.2994
8	3	Unbiased	205.42	200.76	-4.6618
9	3	Unbiased	199.06	197.92	-1.1466
10	3	Unbiased	203.62	198.84	-4.7877
11	3	Unbiased	205.66	205.07	-0.5849
12	10	Unbiased	211.66	208.85	-2.8142
13	10	Unbiased	198.11	198.65	0.5434
14	10	Unbiased	206.65	203.48	-3.172
15	10	Unbiased	200.86	199.04	-1.8226
16	10	Unbiased	207.31	207.87	0.5657
17	10	Biased	201.66	199.44	-2.2137
18	10	Biased	199.26	199.28	0.0223
19	10	Biased	204.01	201.99	-2.0163
20	10	Biased	206.53	203.67	-2.8682
21	10	Biased	204.42	201.25	-3.1613
22	30	Biased	204.38	207.05	2.6719
23	30	Biased	201.65	200.64	-1.0109
24	30	Biased	202.75	203.07	0.3186
25	30	Biased	204.19	204.8	0.6051
26	30	Biased	206.52	208.91	2.3851
27	30	Unbiased	197.93	201.06	3.1297
28	30	Unbiased	207.48	208.68	1.2017
29	30	Unbiased	200.06	202.24	2.1786
30	30	Unbiased	198.97	200.63	1.6582
31	30	Unbiased	201.78	202.13	0.3501
32	50	Biased	205.72	209.85	4.1376
33	50	Biased	207.46	209.12	1.6566
34	50	Biased	202.12	204.59	2.4695
35	50	Biased	198.29	201.71	3.4226
36	50	Biased	208.67	212.1	3.4355
37	50	Unbiased	199.91	202.26	2.349
39	50	Unbiased	205.49	210.39	4.8988
40	50	Unbiased	198.92	201.96	3.0372
41	50	Unbiased	205.87	210.2	4.3319
42	50	Unbiased	210.53	211.62	1.089
43	100	Biased	199.62	206.42	6.8072
44	100	Biased	204.68	210.5	5.8159
45	100	Biased	201.92	206.38	4.456
46	100	Biased	199.92	204.12	4.1936
47	100	Biased	208.12	216.73	8.6077
48	100	Unbiased	203.59	211.96	8.3671
49	100	Unbiased	201.34	205.93	4.5928
50	100	Unbiased	199.32	206.93	7.6029
51	100	Unbiased	203.69	210.4	6.7047
52	100	Unbiased	198.61	205.19	6.5829
53	0	Correlation	208.36	206.09	-2.278
54	0	Correlation	204.39	200.12	-4.2663
55	0	Correlation	206.24	201.68	-4.559
56	0	Correlation	201.39	198.34	-3.0503

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	201.39	205.1	208.36	2.9561	198.34	201.56	206.09	3.3134	-4.559	-3.5384	-2.278	1.0643
3	199.06	202.16	205.66	2.3749	197.92	199.9	205.07	2.2414	-5.3017	-2.2659	0.7487	2.1845
10	198.11	204.05	211.66	4.161	198.65	202.35	208.85	3.6454	-3.172	-1.6937	0.5657	1.5063
30	197.93	202.57	207.48	3.1248	200.63	203.92	208.91	3.2425	-1.0109	1.3488	3.1297	1.2902
50	198.29	204.3	210.53	4.2539	201.71	207.38	212.1	4.2424	1.089	3.0828	4.8988	1.2081
100	198.61	202.08	208.12	2.9647	204.12	208.45	216.73	3.8772	4.1936	6.3731	8.6077	1.5892

Device Test: 19.33; RESET_SLEW_RATE_FALL





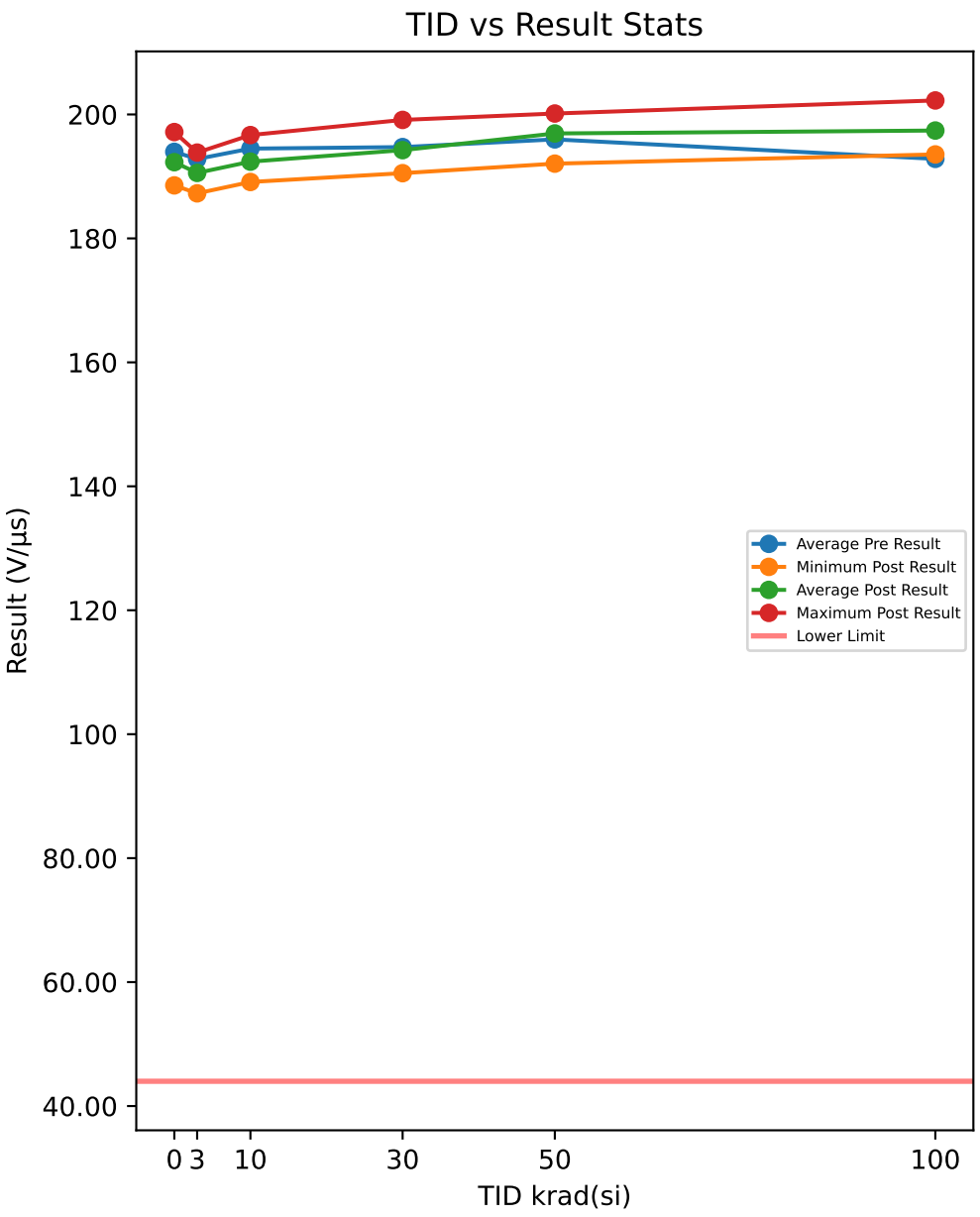
Test Results (Lower Limit = 44.0 (V/µs))

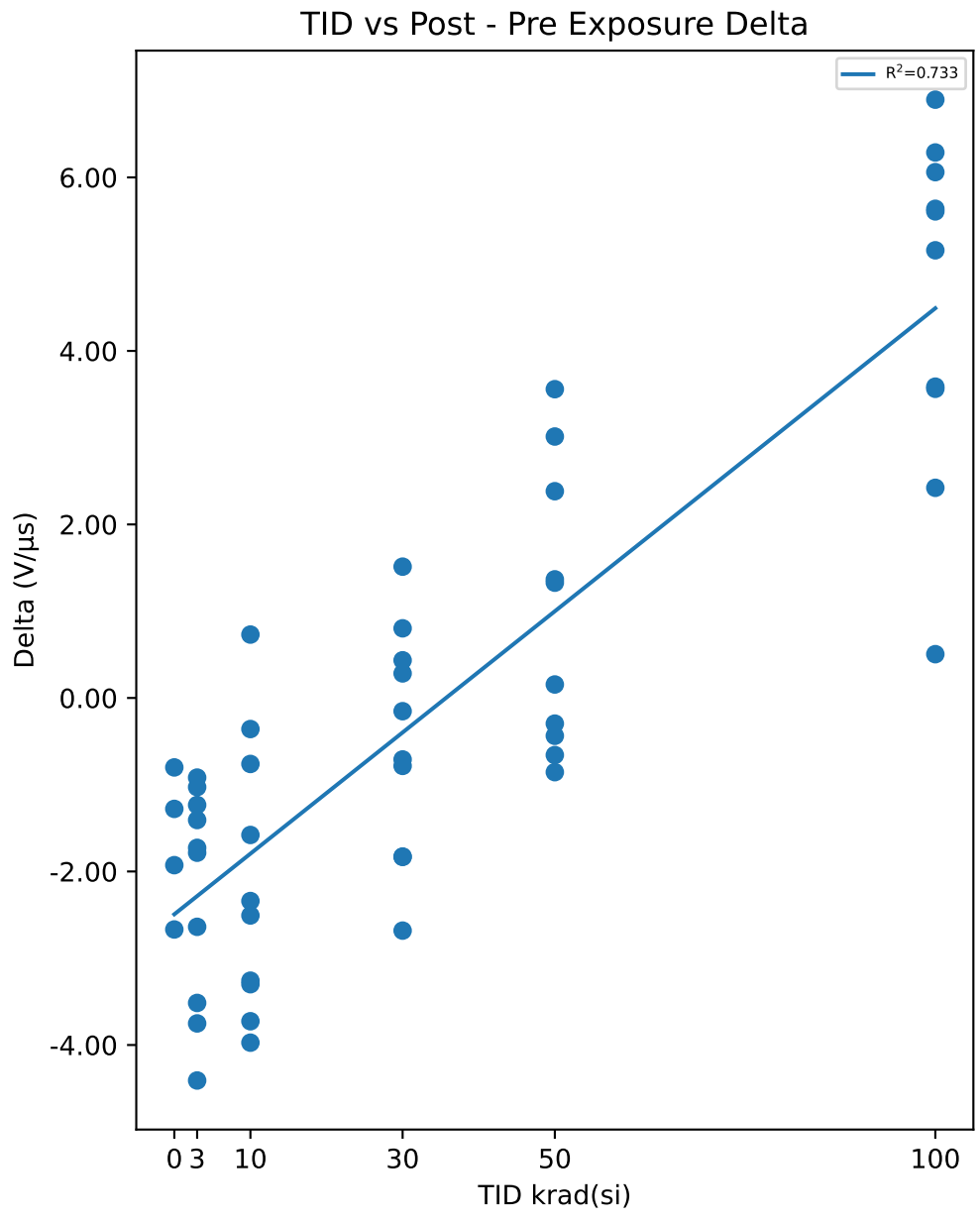
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	166.96	166.33	-0.6296
3	3	Biased	165.32	166.37	1.0515
4	3	Biased	166.81	165.12	-1.6942
5	3	Biased	165.55	163.85	-1.6991
6	3	Biased	167.48	168.13	0.6505
7	3	Unbiased	166.23	165.95	-0.2763
8	3	Unbiased	167.57	167.07	-0.4975
9	3	Unbiased	163.17	163.57	0.4064
10	3	Unbiased	164.96	166.48	1.5171
11	3	Unbiased	169.84	170.96	1.1205
12	10	Unbiased	168.67	172.04	3.3723
13	10	Unbiased	164.23	164	-0.2245
14	10	Unbiased	167.42	168.61	1.1884
15	10	Unbiased	163.3	165.3	2.0057
16	10	Unbiased	172.09	172.44	0.3506
17	10	Biased	163.05	165.29	2.2381
18	10	Biased	166.1	166.36	0.2555
19	10	Biased	168.56	167.69	-0.872
20	10	Biased	165.77	167.75	1.9809
21	10	Biased	166.36	167.45	1.0947
22	30	Biased	169.58	172.26	2.6831
23	30	Biased	165.17	167.29	2.1169
24	30	Biased	165.89	167.13	1.232
25	30	Biased	167.39	172.05	4.6612
26	30	Biased	169.22	173.65	4.4344
27	30	Unbiased	165.69	167.17	1.4783
28	30	Unbiased	170.3	173.78	3.4835
29	30	Unbiased	164.31	168.27	3.9529
30	30	Unbiased	161.38	165.4	4.0189
31	30	Unbiased	166.51	169.68	3.1692
32	50	Biased	171.33	174.44	3.1092
33	50	Biased	169.85	173.06	3.2062
34	50	Biased	167.16	170.2	3.0357
35	50	Biased	164.1	167.01	2.9123
36	50	Biased	172.81	176.05	3.2407
37	50	Unbiased	163.06	168.94	5.8808
39	50	Unbiased	169.39	175.17	5.7732
40	50	Unbiased	163.95	168.68	4.7255
41	50	Unbiased	170.4	174.97	4.5663
42	50	Unbiased	171.66	174.87	3.2087
43	100	Biased	163.97	169.38	5.4106
44	100	Biased	165.82	174.28	8.4521
45	100	Biased	165.76	172.66	6.8992
46	100	Biased	163.84	169.07	5.2305
47	100	Biased	172.56	180.92	8.3578
48	100	Unbiased	167.07	176.95	9.8773
49	100	Unbiased	164.28	172.01	7.7299
50	100	Unbiased	164.93	173.17	8.2407
51	100	Unbiased	166.39	176.61	10.212
52	100	Unbiased	162.21	171.26	9.0431
53	0	Correlation	172.3	172.26	-0.0368
54	0	Correlation	167.91	166.38	-1.5309
55	0	Correlation	167.02	168.23	1.2133
56	0	Correlation	164.78	164.93	0.1552

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	164.78	168	172.3	3.154	164.93	167.95	172.26	3.1751	-1.5309	-0.0498	1.2133	1.1301
3	163.17	166.39	169.84	1.8046	163.57	166.38	170.96	2.1242	-1.6991	-0.00507	1.5171	1.1416
10	163.05	166.56	172.09	2.7691	164	167.69	172.44	2.7736	-0.872	1.139	3.3723	1.2895
30	161.38	166.55	170.3	2.7052	165.4	169.67	173.78	3.0506	1.232	3.123	4.6612	1.2109
50	163.06	168.37	172.81	3.5591	167.01	172.34	176.05	3.2973	2.9123	3.9659	5.8808	1.167
100	162.21	165.68	172.56	2.8017	169.07	173.63	180.92	3.6771	5.2305	7.9454	10.212	1.6842

Device Test: 19.34; RESET_SLEW_RATE_FALL





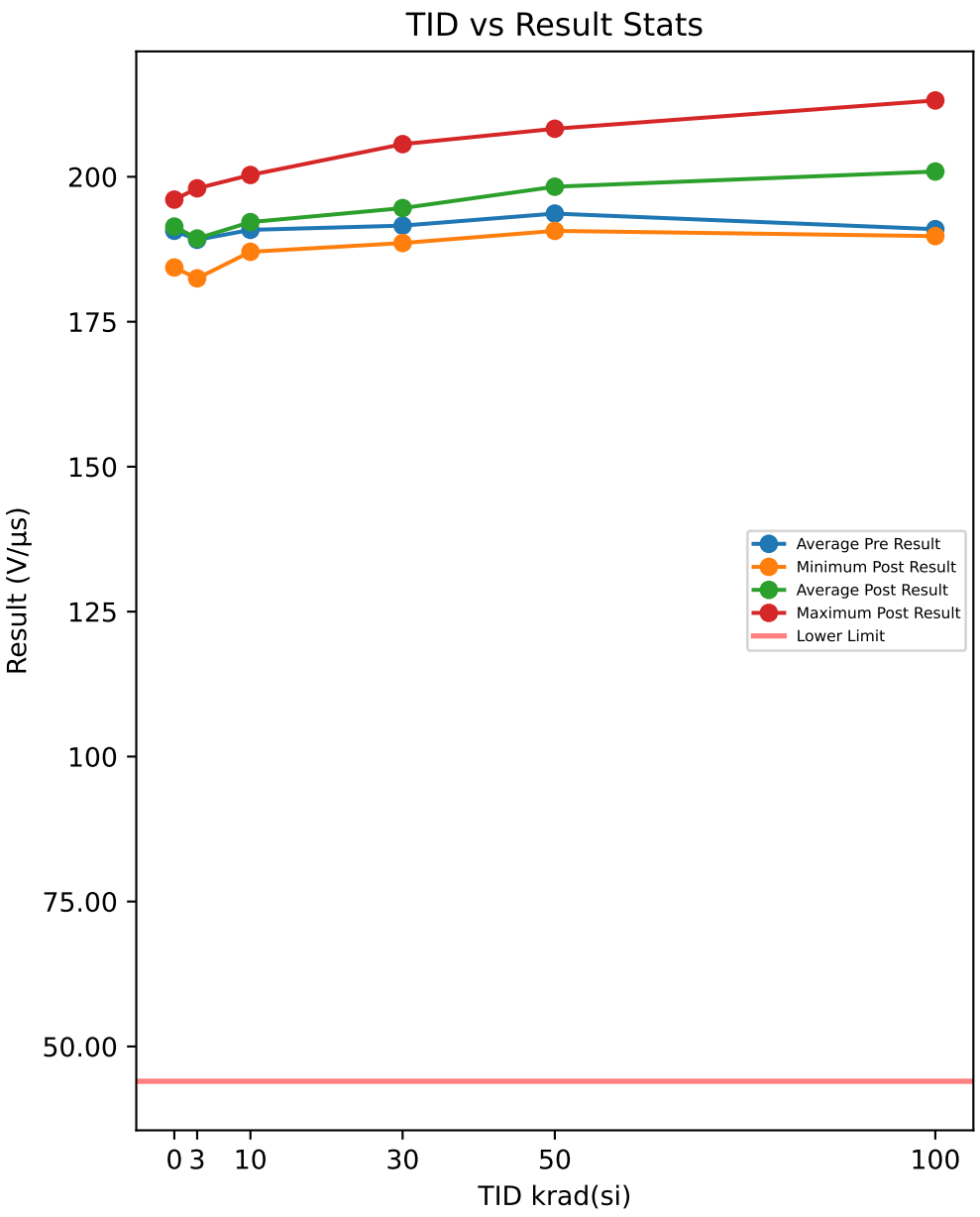
Test Results (Lower Limit = 44.0 (V/µs))

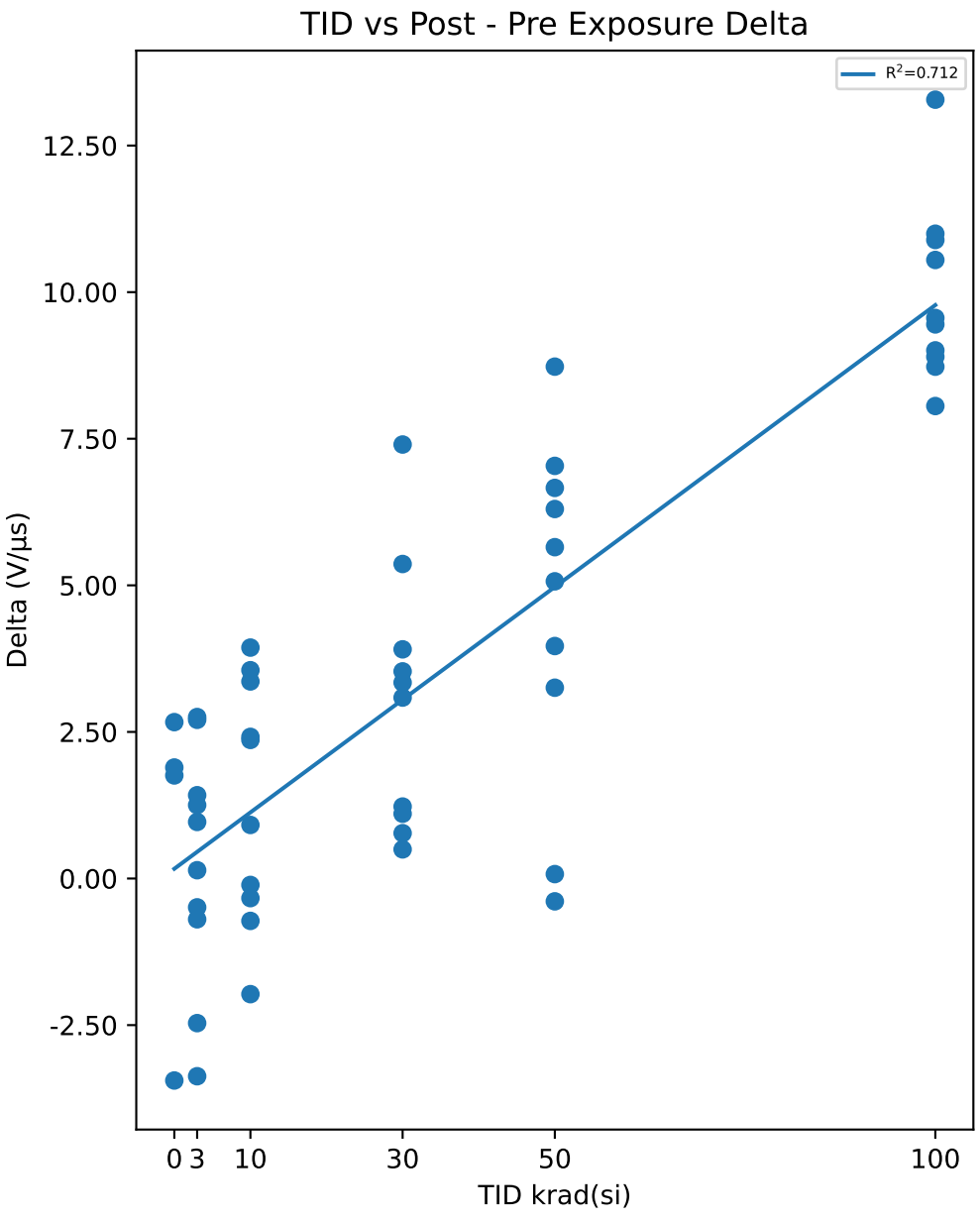
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	191.79	190.56	-1.2336
3	3	Biased	195.56	191.81	-3.7513
4	3	Biased	191.2	189.42	-1.7839
5	3	Biased	193.23	189.71	-3.5153
6	3	Biased	192.99	191.97	-1.0277
7	3	Unbiased	191.03	189.3	-1.7276
8	3	Unbiased	193.6	192.2	-1.4071
9	3	Unbiased	188.19	187.27	-0.918
10	3	Unbiased	194	189.59	-4.4092
11	3	Unbiased	196.48	193.84	-2.6379
12	10	Unbiased	198.25	196.67	-1.5792
13	10	Unbiased	193.45	189.72	-3.7262
14	10	Unbiased	194.89	194.13	-0.7608
15	10	Unbiased	193.36	191.02	-2.3407
16	10	Unbiased	198.64	196.13	-2.5071
17	10	Biased	189.46	189.1	-0.3583
18	10	Biased	192.48	189.22	-3.2586
19	10	Biased	191.83	192.56	0.7305
20	10	Biased	196.93	192.96	-3.9731
21	10	Biased	195.6	192.3	-3.2993
22	30	Biased	199.83	199.12	-0.709
23	30	Biased	193.29	191.46	-1.8281
24	30	Biased	191.82	192.62	0.8025
25	30	Biased	196.66	193.98	-2.6816
26	30	Biased	198.66	199.1	0.434
27	30	Unbiased	190.45	191.96	1.5134
28	30	Unbiased	199.43	197.6	-1.8323
29	30	Unbiased	193.82	193.67	-0.1526
30	30	Unbiased	190.24	190.53	0.283
31	30	Unbiased	193.15	192.37	-0.7831
32	50	Biased	197.66	199.03	1.3671
33	50	Biased	195.78	199.34	3.559
34	50	Biased	192.05	194.44	2.3829
35	50	Biased	192.72	192.06	-0.6583
36	50	Biased	199.49	199.06	-0.4363
37	50	Unbiased	192.88	192.58	-0.2957
39	50	Unbiased	199.99	200.15	0.1553
40	50	Unbiased	189.81	192.82	3.0132
41	50	Unbiased	200.79	199.93	-0.8552
42	50	Unbiased	198.6	199.93	1.3286
43	100	Biased	188.78	193.93	5.1597
44	100	Biased	196.43	200.01	3.5881
45	100	Biased	194.86	198.43	3.5632
46	100	Biased	191.13	193.55	2.4221
47	100	Biased	200.35	200.85	0.5046
48	100	Unbiased	196.2	202.26	6.0606
49	100	Unbiased	189.58	195.22	5.6379
50	100	Unbiased	190.61	196.9	6.2871
51	100	Unbiased	190.35	197.25	6.8959
52	100	Unbiased	190.04	195.65	5.6081
53	0	Correlation	198.44	197.16	-1.2786
54	0	Correlation	193.93	191.26	-2.6685
55	0	Correlation	194.15	192.22	-1.9273
56	0	Correlation	189.35	188.55	-0.8007

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	189.35	193.97	198.44	3.71	188.55	192.3	197.16	3.5925	-2.6685	-1.6688	-0.8007	0.81078
3	188.19	192.81	196.48	2.3916	187.27	190.57	193.84	1.8963	-4.4092	-2.2412	-0.918	1.2547
10	189.46	194.49	198.64	2.9336	189.1	192.38	196.67	2.6982	-3.9731	-2.1073	0.7305	1.5729
30	190.24	194.74	199.83	3.6456	190.53	194.24	199.12	3.1954	-2.6816	-0.49538	1.5134	1.3241
50	189.81	195.98	200.79	3.8738	192.06	196.93	200.15	3.4769	-0.8552	0.95606	3.559	1.6119
100	188.78	192.83	200.35	3.8542	193.55	197.4	202.26	2.9504	0.5046	4.5727	6.8959	2.0073

Device Test: 19.35; PWRGD_SLEW_RATE_FALL





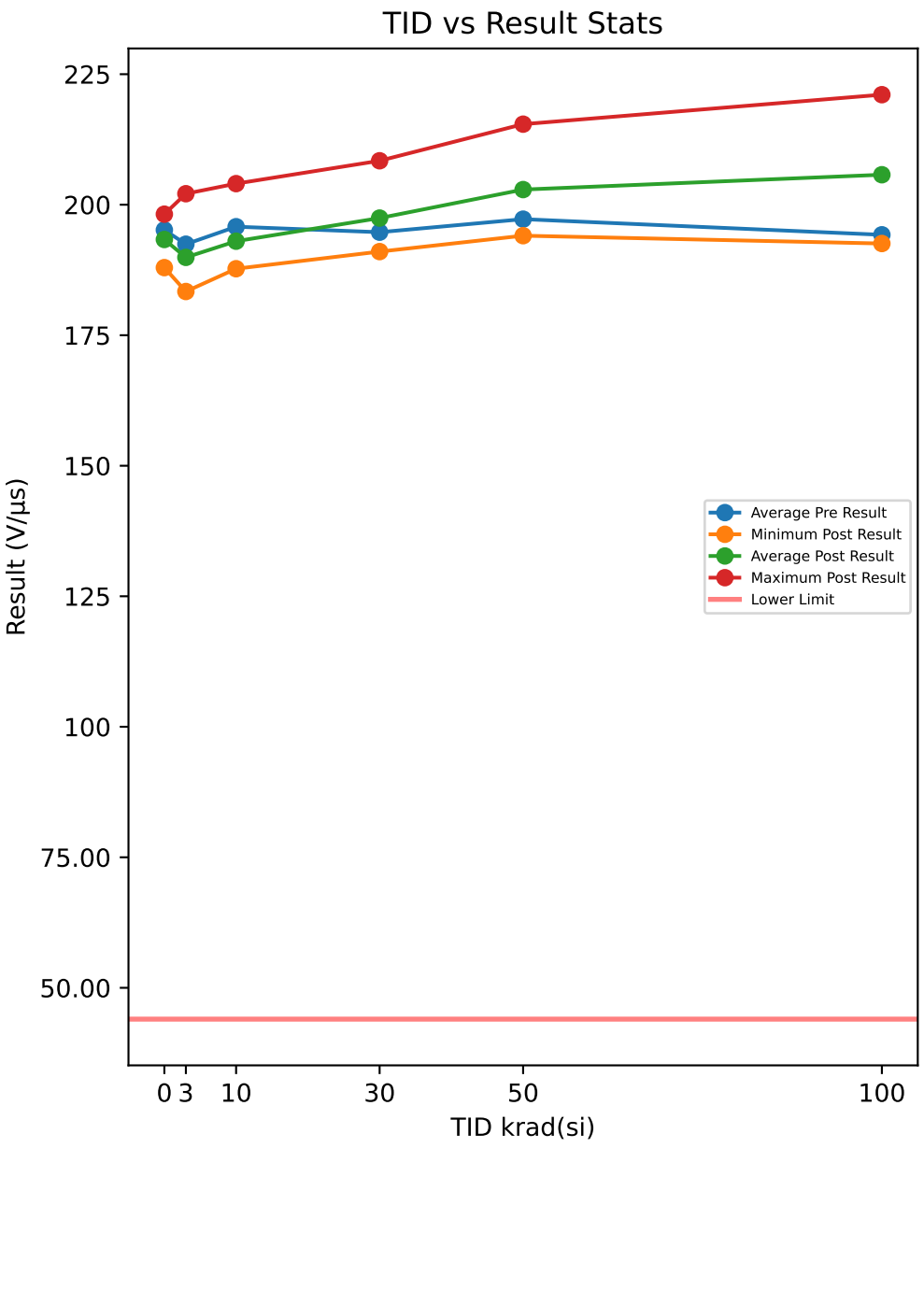
Test Results (Lower Limit = 44.0 (V/µs))

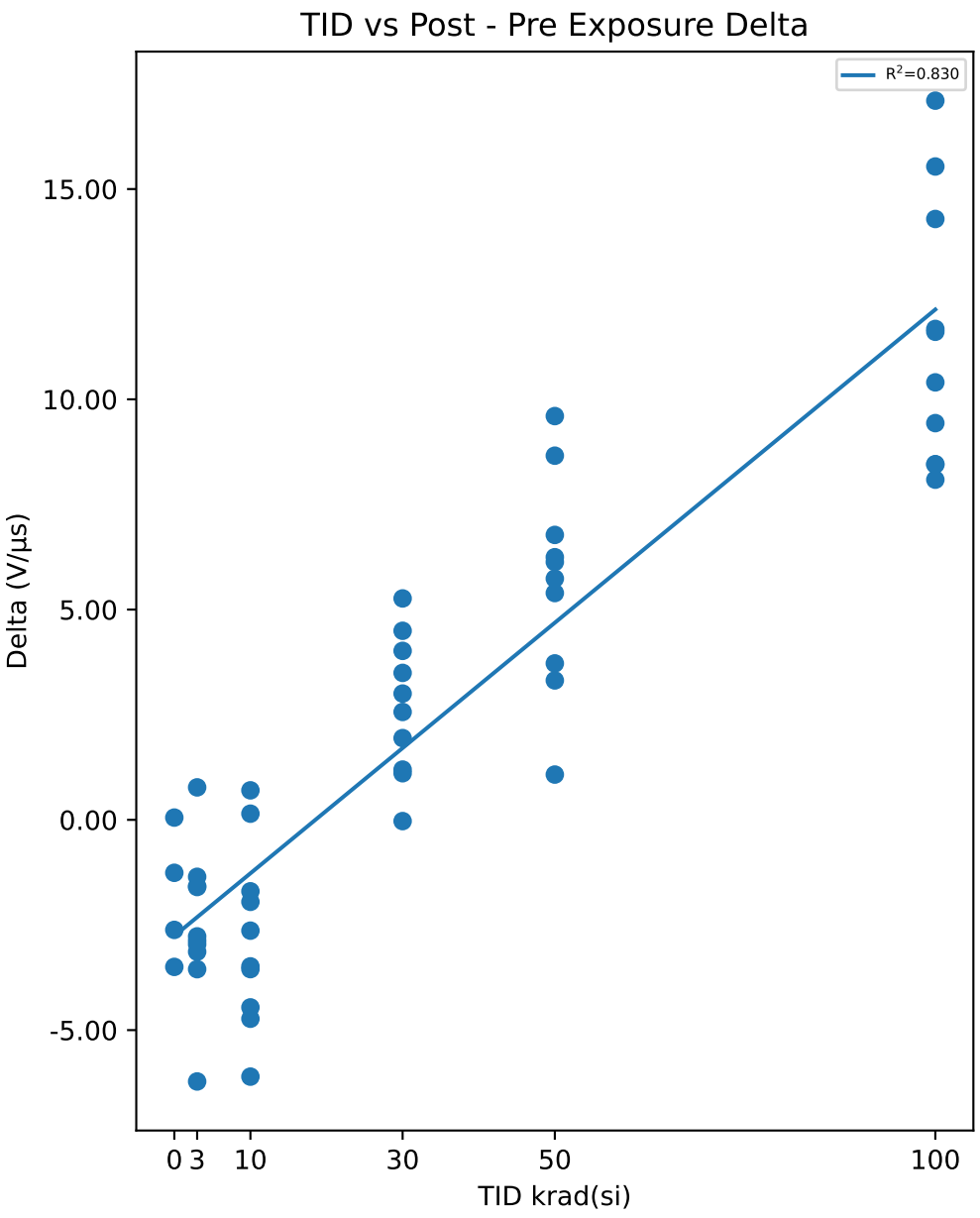
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	186.84	187.81	0.9648
3	3	Biased	191.94	194.65	2.7064
4	3	Biased	190.92	191.06	0.1415
5	3	Biased	188	185.53	-2.4661
6	3	Biased	190.23	192.98	2.754
7	3	Unbiased	184.83	186.08	1.2525
8	3	Unbiased	191.07	187.69	-3.3719
9	3	Unbiased	181.06	182.48	1.4206
10	3	Unbiased	187.74	187.25	-0.4917
11	3	Unbiased	198.7	198.01	-0.6953
12	10	Unbiased	194.49	195.4	0.9136
13	10	Unbiased	187.39	187.06	-0.3343
14	10	Unbiased	197.89	200.31	2.4158
15	10	Unbiased	184.41	187.96	3.5527
16	10	Unbiased	197.81	197.7	-0.1096
17	10	Biased	185.5	188.86	3.3609
18	10	Biased	192.44	190.47	-1.9719
19	10	Biased	186.99	190.93	3.9382
20	10	Biased	188.85	191.22	2.3636
21	10	Biased	192.69	191.97	-0.7228
22	30	Biased	202.1	205.63	3.5326
23	30	Biased	189.67	190.44	0.7733
24	30	Biased	185.49	188.57	3.0857
25	30	Biased	189.53	196.93	7.4013
26	30	Biased	195.88	196.37	0.4968
27	30	Unbiased	187.27	192.64	5.3638
28	30	Unbiased	198.93	202.27	3.342
29	30	Unbiased	188.53	189.63	1.1048
30	30	Unbiased	188.05	189.28	1.2274
31	30	Unbiased	190.32	194.23	3.9083
32	50	Biased	201.26	206.33	5.0684
33	50	Biased	194.13	193.74	-0.3893
34	50	Biased	188.62	194.27	5.6508
35	50	Biased	191.9	191.97	0.0753
36	50	Biased	192.75	199.41	6.6615
37	50	Unbiased	187.48	193.78	6.3016
39	50	Unbiased	204.32	208.28	3.9647
40	50	Unbiased	183.64	190.67	7.0371
41	50	Unbiased	197.46	206.19	8.7295
42	50	Unbiased	194.98	198.23	3.2539
43	100	Biased	188.43	197.99	9.5594
44	100	Biased	194.66	203.66	9.007
45	100	Biased	190.54	199.27	8.7287
46	100	Biased	180.87	189.77	8.8977
47	100	Biased	199.88	213.17	13.283
48	100	Unbiased	193.12	202.57	9.4498
49	100	Unbiased	186.37	197.26	10.889
50	100	Unbiased	188.01	196.07	8.0576
51	100	Unbiased	198.7	209.25	10.549
52	100	Unbiased	189.08	200.08	10.997
53	0	Correlation	196.4	192.95	-3.4446
54	0	Correlation	190.36	192.25	1.893
55	0	Correlation	193.4	196.07	2.6672
56	0	Correlation	182.6	184.36	1.7579

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	182.6	190.69	196.4	5.9303	184.36	191.41	196.07	4.9842	-3.4446	0.71838	2.6672	2.8041
3	181.06	189.13	198.7	4.7122	182.48	189.35	198.01	4.7283	-3.3719	0.22148	2.754	2.0312
10	184.41	190.85	197.89	4.9226	187.06	192.19	200.31	4.313	-1.9719	1.3406	3.9382	2.0614
30	185.49	191.58	202.1	5.4767	188.57	194.6	205.63	5.7699	0.4968	3.0236	7.4013	2.2147
50	183.64	193.65	204.32	6.2876	190.67	198.29	208.28	6.5253	-0.3893	4.6353	8.7295	2.9633
100	180.87	190.97	199.88	5.7694	189.77	200.91	213.17	6.691	8.0576	9.9417	13.283	1.5244

Device Test: 19.36; WDO_SLEW_RATE_FALL





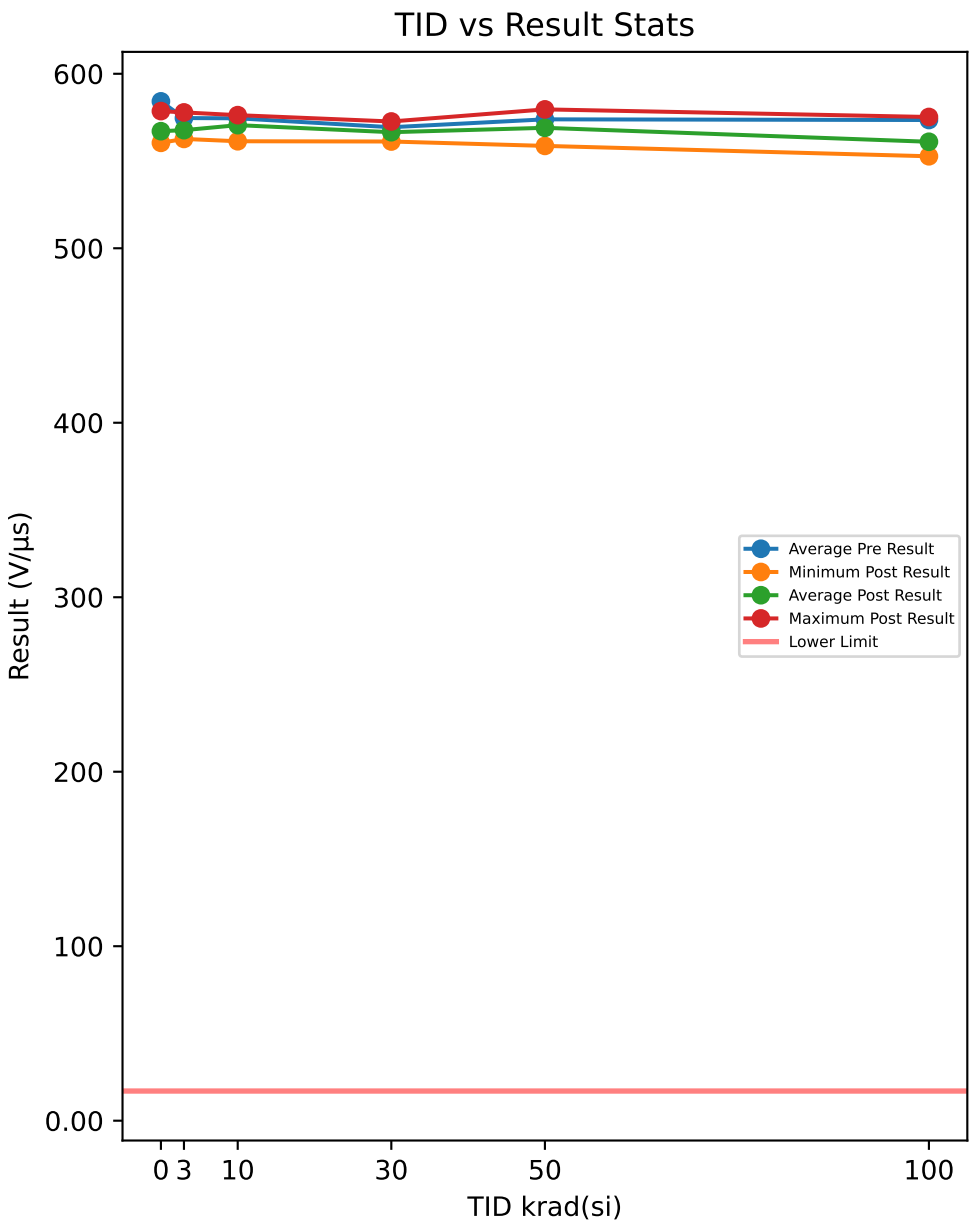
Test Results (Lower Limit = 44.0 (V/µs))

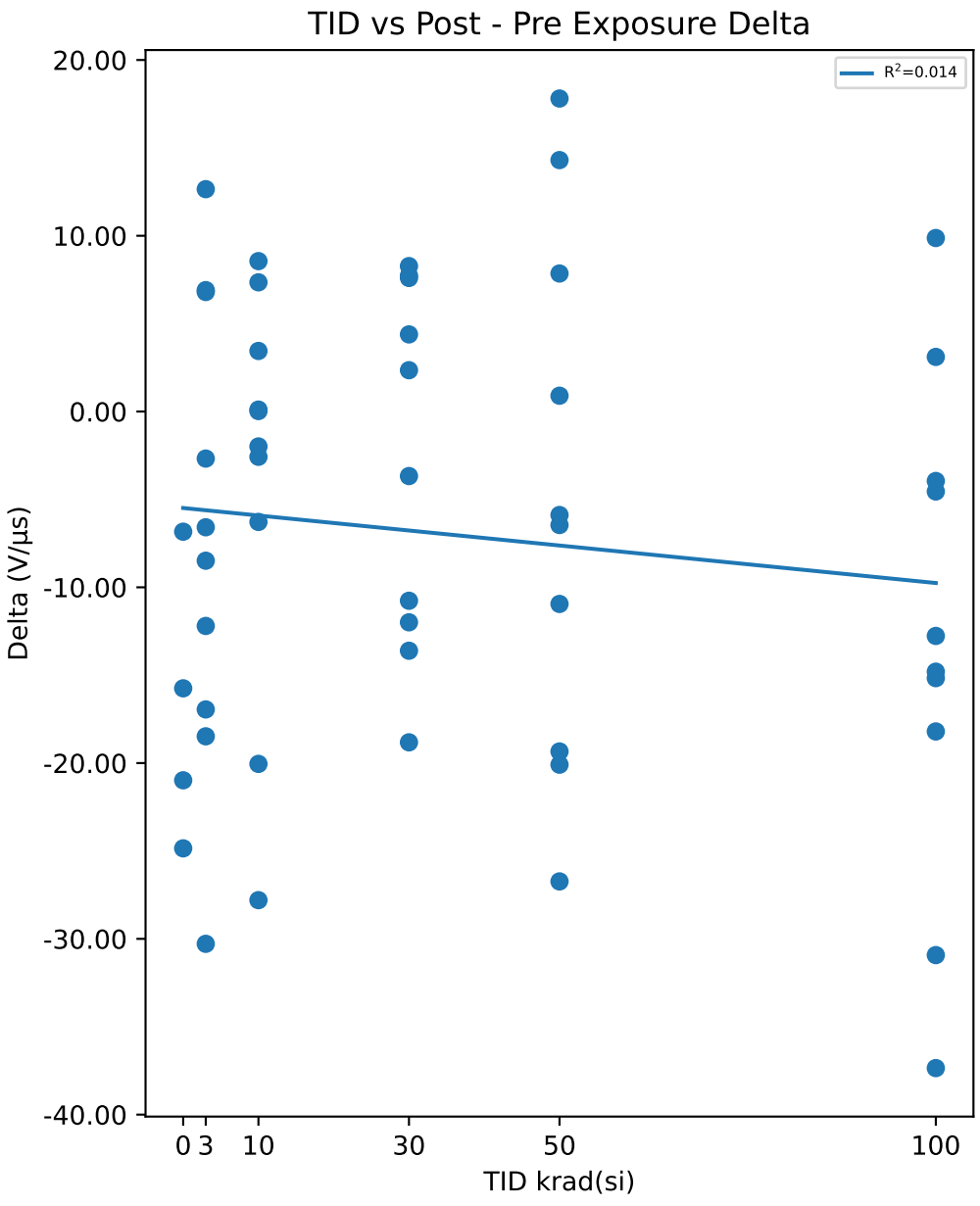
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	193.21	186.99	-6.2212
3	3	Biased	197.42	198.19	0.7721
4	3	Biased	193.14	190.18	-2.9588
5	3	Biased	187.54	183.99	-3.5511
6	3	Biased	194.88	192.11	-2.7713
7	3	Unbiased	190.2	187.07	-3.136
8	3	Unbiased	190.94	189.36	-1.5781
9	3	Unbiased	184.73	183.37	-1.3545
10	3	Unbiased	187.34	185.74	-1.597
11	3	Unbiased	204.98	202.11	-2.872
12	10	Unbiased	199.52	196.03	-3.4847
13	10	Unbiased	194.67	188.57	-6.1062
14	10	Unbiased	203.34	204.04	0.7017
15	10	Unbiased	193.06	188.6	-4.4596
16	10	Unbiased	200.62	198.93	-1.6993
17	10	Biased	190.37	187.74	-2.635
18	10	Biased	192.43	190.48	-1.9498
19	10	Biased	190.42	190.56	0.1465
20	10	Biased	197.94	193.21	-4.7294
21	10	Biased	195.51	191.96	-3.5496
22	30	Biased	206.47	208.42	1.944
23	30	Biased	190.94	194.44	3.4945
24	30	Biased	191.79	192.99	1.1953
25	30	Biased	197.29	198.4	1.1085
26	30	Biased	195.2	199.7	4.4953
27	30	Unbiased	189.04	193.06	4.0183
28	30	Unbiased	202.88	202.85	-0.0298
29	30	Unbiased	189.6	194.87	5.265
30	30	Unbiased	188.45	191.02	2.5657
31	30	Unbiased	195.67	198.67	3.0027
32	50	Biased	204.83	213.49	8.6596
33	50	Biased	193.96	199.36	5.3933
34	50	Biased	194.06	200.84	6.7755
35	50	Biased	193.06	196.78	3.7201
36	50	Biased	198.88	202.19	3.3154
37	50	Unbiased	190.14	195.87	5.7365
39	50	Unbiased	205.83	215.43	9.6013
40	50	Unbiased	192.99	194.07	1.0769
41	50	Unbiased	202.22	208.46	6.2453
42	50	Unbiased	196.38	202.51	6.1316
43	100	Biased	192.82	202.25	9.4338
44	100	Biased	200.67	214.96	14.288
45	100	Biased	193.82	202.27	8.4508
46	100	Biased	184.48	192.57	8.0891
47	100	Biased	205.54	221.08	15.536
48	100	Unbiased	197.8	206.25	8.4576
49	100	Unbiased	189.43	201.04	11.606
50	100	Unbiased	190.32	200.73	10.403
51	100	Unbiased	197.51	214.61	17.102
52	100	Unbiased	189.98	201.66	11.674
53	0	Correlation	200.8	198.19	-2.6167
54	0	Correlation	194.66	193.4	-1.2595
55	0	Correlation	197.3	193.81	-3.4967
56	0	Correlation	187.9	187.95	0.0538

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	187.9	195.17	200.8	5.4608	187.95	193.34	198.19	4.1943	-3.4967	-1.8298	0.0538	1.5568
3	184.73	192.44	204.98	5.8294	183.37	189.91	202.11	6.0953	-6.2212	-2.5268	0.7721	1.8091
10	190.37	195.79	203.34	4.4361	187.74	193.01	204.04	5.2308	-6.1062	-2.7765	0.7017	2.1432
30	188.45	194.73	206.47	6.0836	191.02	197.44	208.42	5.3045	-0.0298	2.706	5.265	1.67
50	190.14	197.23	205.83	5.4405	194.07	202.9	215.43	7.3213	1.0769	5.6656	9.6013	2.5096
100	184.48	194.24	205.54	6.2048	192.57	205.74	221.08	8.569	8.0891	11.504	17.102	3.1824

Device Test: 19.37; RESET_SLEW_RATE_RISE





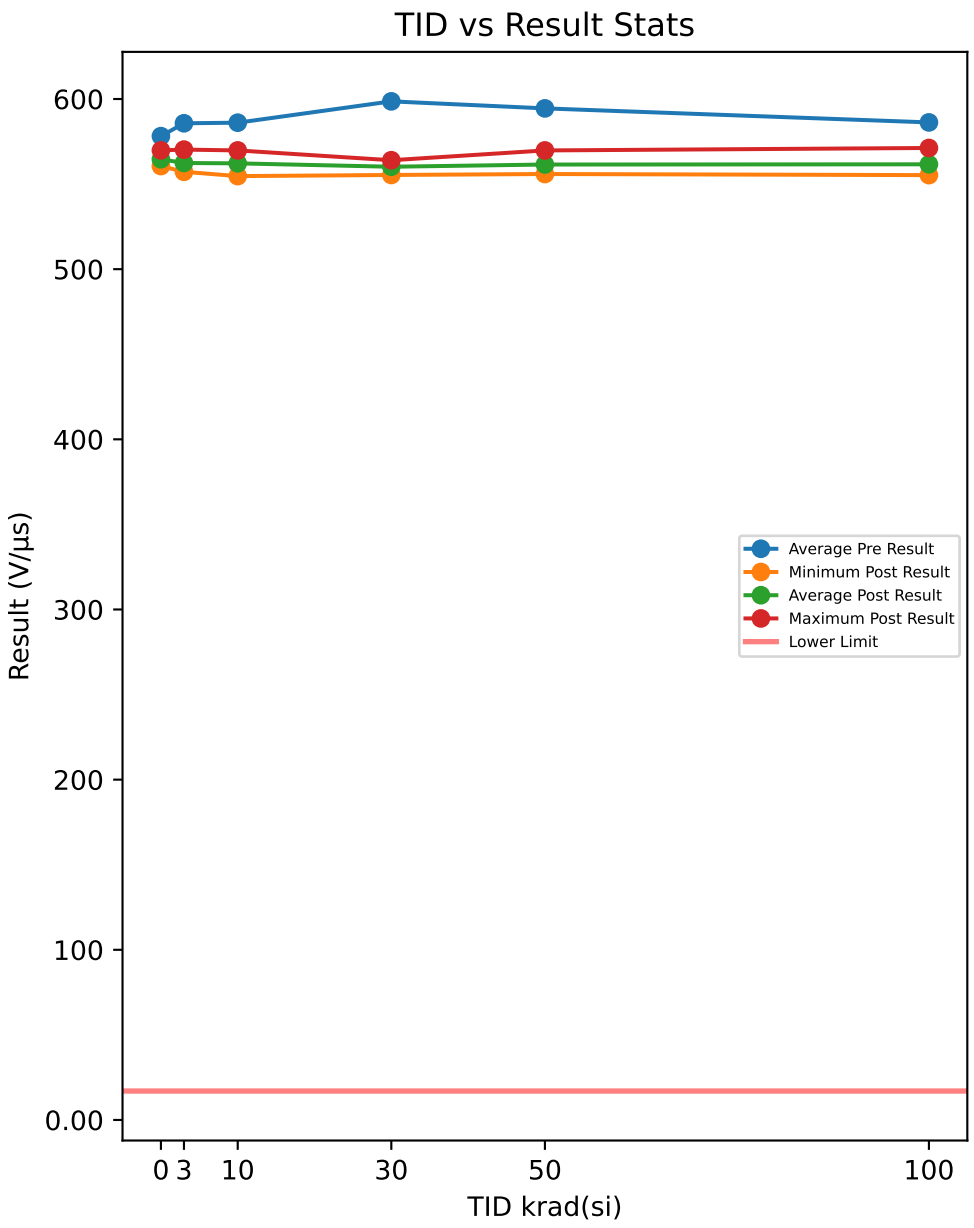
Test Results (Lower Limit = 17.0 (V/µs))

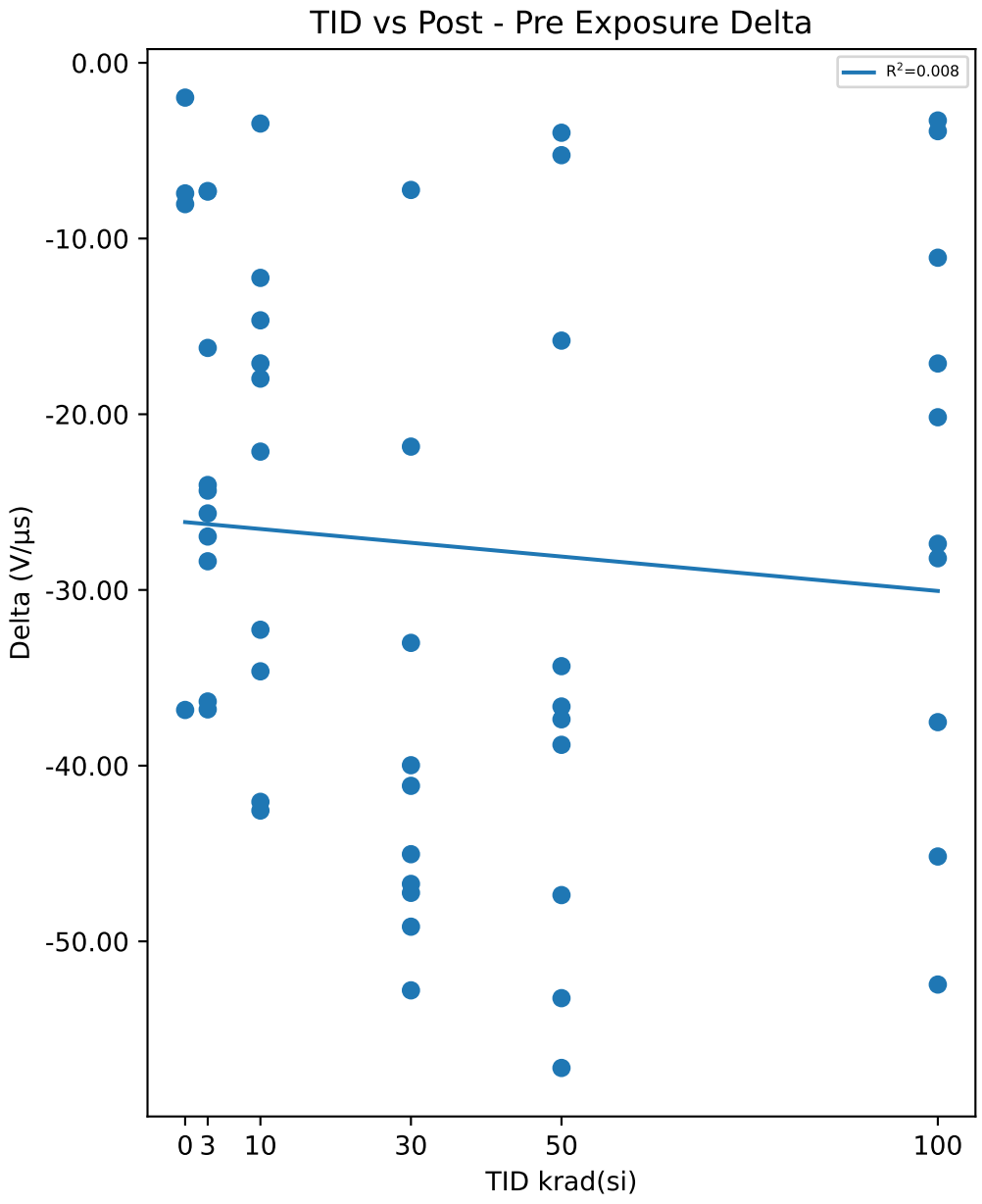
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	566.76	564.08	-2.6759
3	3	Biased	592.95	562.67	-30.283
4	3	Biased	570.95	577.86	6.9079
5	3	Biased	576.35	564.15	-12.199
6	3	Biased	573.19	564.71	-8.4866
7	3	Unbiased	572.81	566.22	-6.5838
8	3	Unbiased	583.78	565.3	-18.478
9	3	Unbiased	585.38	568.43	-16.948
10	3	Unbiased	561.98	574.63	12.651
11	3	Unbiased	562.05	568.85	6.8006
12	10	Unbiased	567.64	565.07	-2.5747
13	10	Unbiased	581.19	574.91	-6.2807
14	10	Unbiased	556.65	565.21	8.5571
15	10	Unbiased	581.37	561.33	-20.047
16	10	Unbiased	565.08	572.43	7.351
17	10	Biased	573.91	574.02	0.11
18	10	Biased	573.86	573.88	0.0274
19	10	Biased	572.84	576.29	3.4456
20	10	Biased	570.71	568.73	-1.9868
21	10	Biased	601.54	573.74	-27.799
22	30	Biased	565.06	561.39	-3.6707
23	30	Biased	557.84	565.57	7.7341
24	30	Biased	557.63	562.02	4.3879
25	30	Biased	583.82	571.83	-11.991
26	30	Biased	570.31	572.66	2.3509
27	30	Unbiased	585.03	566.21	-18.819
28	30	Unbiased	559.69	567.29	7.6005
29	30	Unbiased	556.96	565.23	8.2739
30	30	Unbiased	574.79	561.18	-13.609
31	30	Unbiased	582.56	571.8	-10.766
32	50	Biased	580.97	570.02	-10.947
33	50	Biased	557.28	575.09	17.808
34	50	Biased	566.42	560.53	-5.8862
35	50	Biased	565.29	579.6	14.305
36	50	Biased	581.34	562	-19.34
37	50	Unbiased	565.71	566.61	0.9003
39	50	Unbiased	579.58	573.13	-6.457
40	50	Unbiased	570.83	578.69	7.8528
41	50	Unbiased	586.04	565.95	-20.091
42	50	Unbiased	585.4	558.67	-26.733
43	100	Biased	575.65	560.49	-15.168
44	100	Biased	567.27	562.72	-4.5476
45	100	Biased	586.21	555.29	-30.926
46	100	Biased	561.12	564.23	3.108
47	100	Biased	579.69	561.49	-18.201
48	100	Unbiased	565.49	552.72	-12.767
49	100	Unbiased	567.84	563.89	-3.9514
50	100	Unbiased	565.37	575.24	9.8719
51	100	Unbiased	598.13	560.77	-37.353
52	100	Unbiased	568.29	553.49	-14.8
53	0	Correlation	568.77	561.93	-6.836
54	0	Correlation	592.24	567.39	-24.852
55	0	Correlation	599.59	578.61	-20.98
56	0	Correlation	576.17	560.42	-15.748

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	568.77	584.19	599.59	14.19	560.42	567.09	578.61	8.2423	-24.852	-17.104	-6.836	7.7957
3	561.98	574.62	592.95	10.203	562.67	567.69	577.86	4.9543	-30.283	-6.9295	12.651	13.295
10	556.65	574.48	601.54	11.996	561.33	570.56	576.29	5.1181	-27.799	-3.9198	8.5571	11.596
30	556.96	569.37	585.03	11.525	561.18	566.52	572.66	4.3718	-18.819	-2.8509	8.2739	10.231
50	557.28	573.89	586.04	10.001	558.67	569.03	579.6	7.4797	-26.733	-4.8587	17.808	15.043
100	561.12	573.51	598.13	11.511	552.72	561.03	575.24	6.5207	-37.353	-12.473	9.8719	14.463

Device Test: 19.38; RESET_SLEW_RATE_RISE





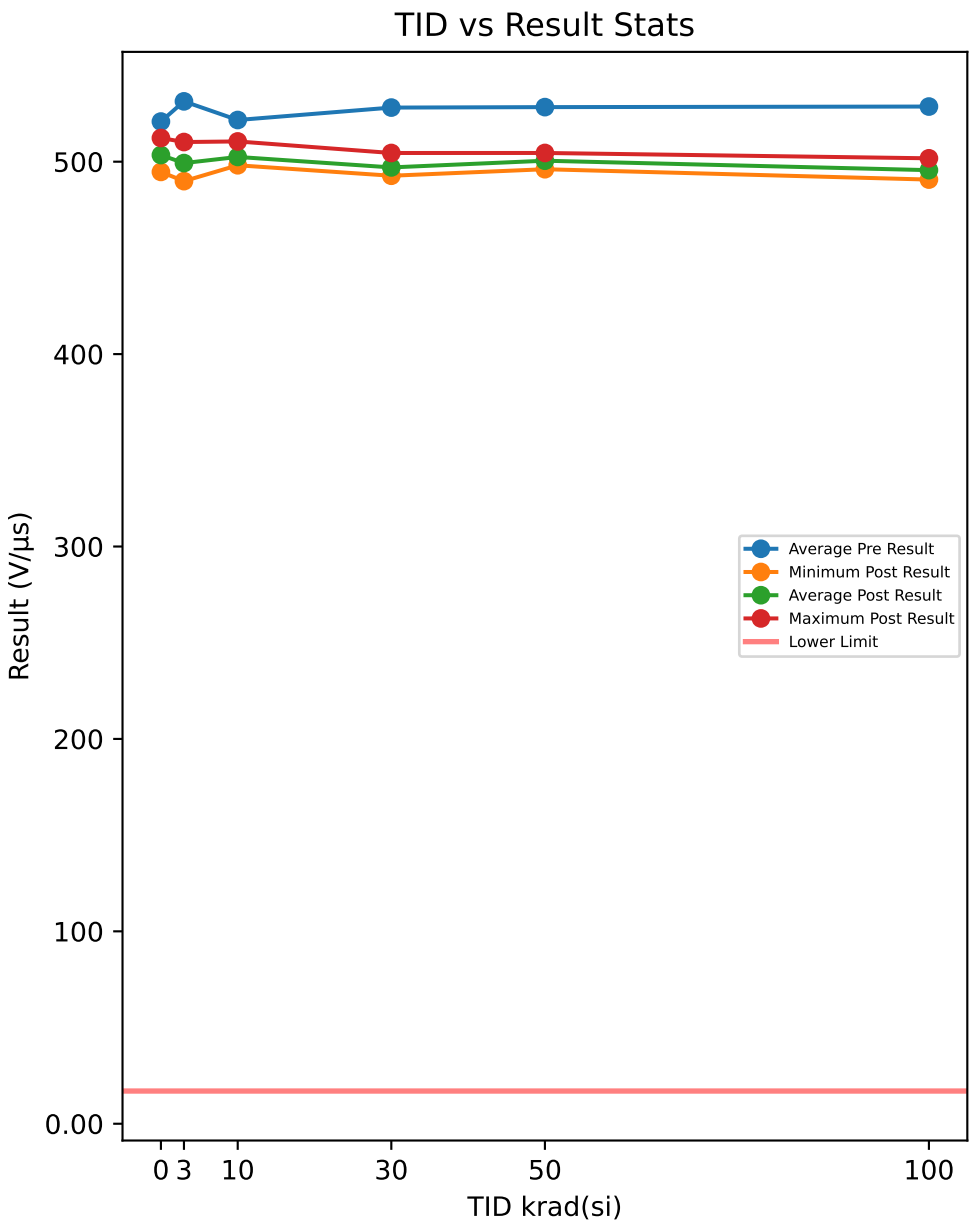
Test Results (Lower Limit = 17.0 (V/µs))

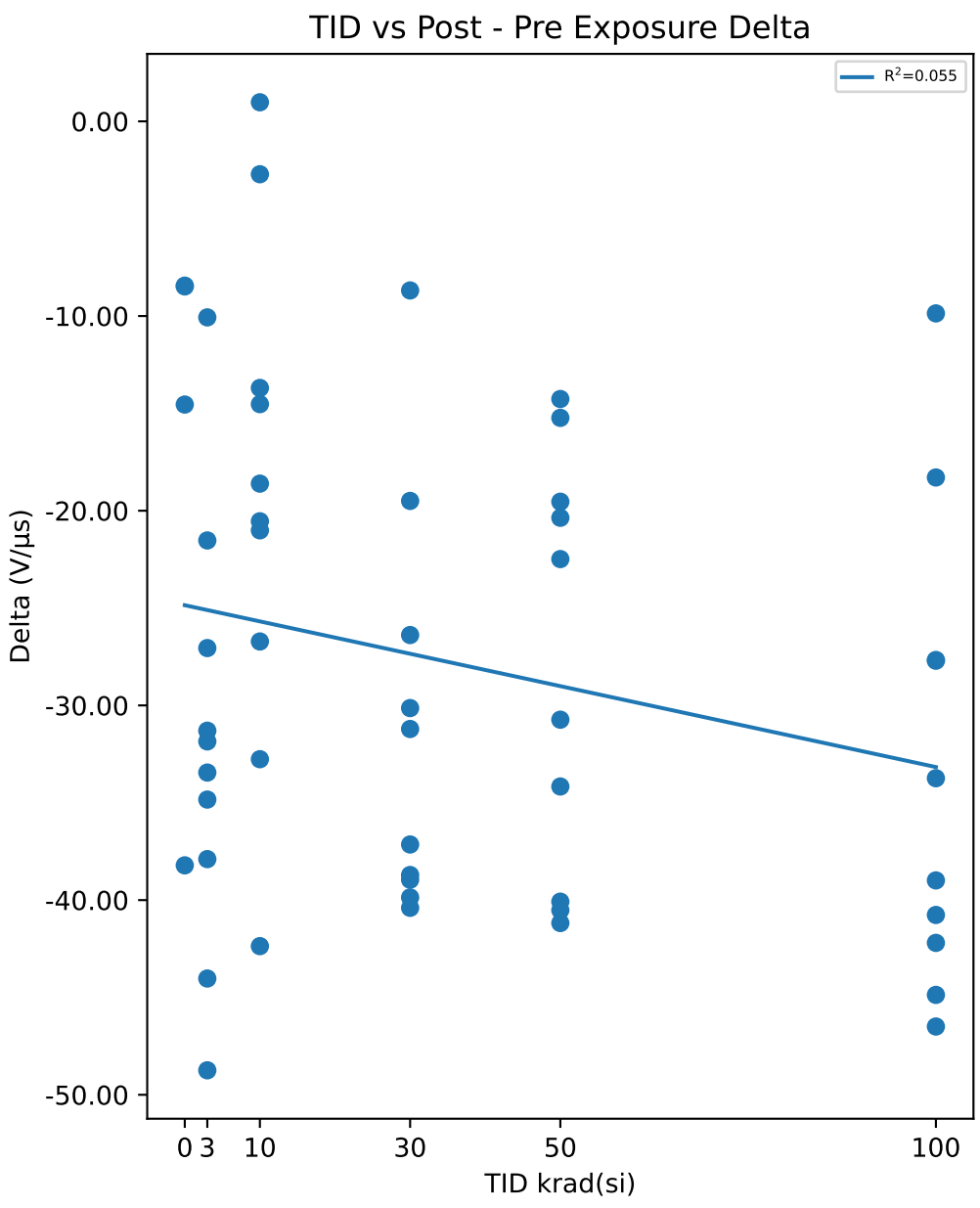
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	594.02	569.99	-24.027
3	3	Biased	594.68	557.88	-36.798
4	3	Biased	577.57	570.27	-7.2963
5	3	Biased	578.2	561.98	-16.225
6	3	Biased	582.82	558.47	-24.348
7	3	Unbiased	594.23	565.86	-28.368
8	3	Unbiased	593.56	557.21	-36.349
9	3	Unbiased	569.22	561.89	-7.3284
10	3	Unbiased	585.98	560.33	-25.646
11	3	Unbiased	587.01	560.05	-26.959
12	10	Unbiased	582.79	564.82	-17.973
13	10	Unbiased	589.32	554.69	-34.632
14	10	Unbiased	586.85	564.73	-22.127
15	10	Unbiased	573.24	569.79	-3.4557
16	10	Unbiased	576.93	562.27	-14.655
17	10	Biased	599.97	557.41	-42.554
18	10	Biased	598.24	556.18	-42.06
19	10	Biased	580.25	563.15	-17.104
20	10	Biased	572.19	559.95	-12.239
21	10	Biased	601.04	568.78	-32.265
22	30	Biased	601.97	561.99	-39.976
23	30	Biased	608.14	555.35	-52.788
24	30	Biased	603.6	556.36	-47.239
25	30	Biased	582.57	560.72	-21.843
26	30	Biased	604.21	557.48	-46.731
27	30	Unbiased	601.14	559.99	-41.149
28	30	Unbiased	593.88	560.87	-33.012
29	30	Unbiased	610.63	561.47	-49.165
30	30	Unbiased	570.95	563.72	-7.2349
31	30	Unbiased	609.06	564.02	-45.04
32	50	Biased	615.8	558.59	-57.205
33	50	Biased	599.59	562.23	-37.362
34	50	Biased	563.64	559.66	-3.979
35	50	Biased	609.89	562.53	-47.367
36	50	Biased	561.18	555.92	-5.2562
37	50	Unbiased	572.36	556.55	-15.81
39	50	Unbiased	604.12	569.78	-34.338
40	50	Unbiased	609.93	556.7	-53.233
41	50	Unbiased	605.71	569.08	-36.635
42	50	Unbiased	602.67	563.86	-38.814
43	100	Biased	563.02	559.13	-3.8888
44	100	Biased	580.39	560.22	-20.172
45	100	Biased	574.94	557.83	-17.112
46	100	Biased	574.36	571.07	-3.2814
47	100	Biased	598.59	571.22	-27.372
48	100	Unbiased	604.42	559.25	-45.171
49	100	Unbiased	566.36	555.27	-11.091
50	100	Unbiased	611.19	558.73	-52.458
51	100	Unbiased	597.02	559.5	-37.524
52	100	Unbiased	592.19	563.99	-28.196
53	0	Correlation	571.8	569.82	-1.98
54	0	Correlation	597.43	560.6	-36.831
55	0	Correlation	574.96	566.92	-8.0424
56	0	Correlation	568.5	561.06	-7.4316

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	568.5	578.17	597.43	13.106	560.6	564.6	569.82	4.5158	-36.831	-13.571	-1.98	15.744
3	569.22	585.73	594.68	8.7458	557.21	562.39	570.27	4.7679	-36.798	-23.334	-7.2963	10.327
10	572.19	586.08	601.04	10.864	554.69	562.18	569.79	5.1166	-42.554	-23.906	-3.4557	13.278
30	570.95	598.62	610.63	12.751	555.35	560.2	564.02	2.9478	-52.788	-38.418	-7.2349	14.138
50	561.18	594.49	615.8	20.529	555.92	561.49	569.78	4.985	-57.205	-33	-3.979	18.788
100	563.02	586.25	611.19	16.65	555.27	561.62	571.22	5.4622	-52.458	-24.627	-3.2814	16.761

Device Test: 19.39; RESET_SLEW_RATE_RISE





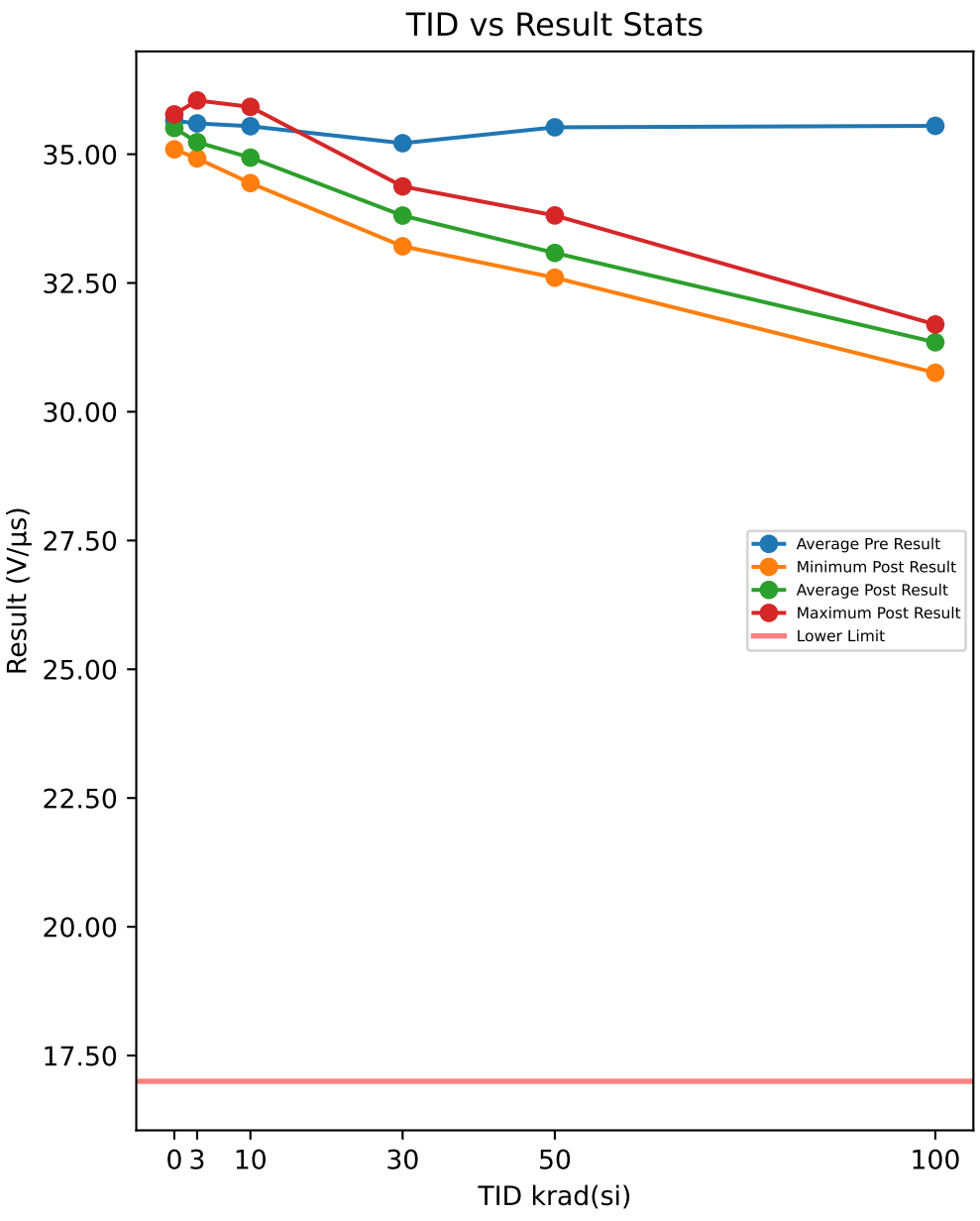
Test Results (Lower Limit = 17.0 (V/µs))

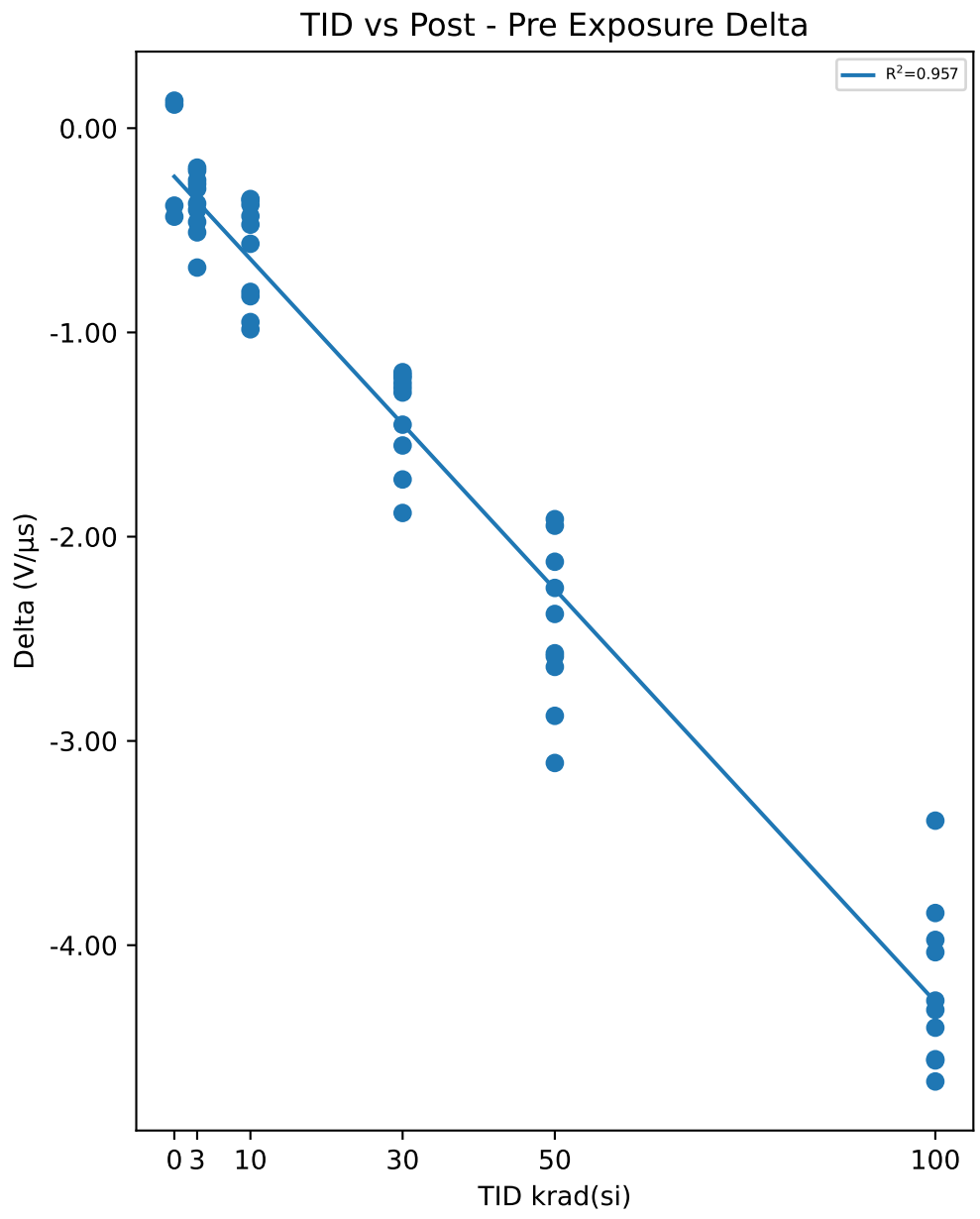
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	541.53	506.69	-34.837
3	3	Biased	527.26	495.42	-31.849
4	3	Biased	538.71	500.81	-37.895
5	3	Biased	521.12	499.6	-21.527
6	3	Biased	520.53	493.48	-27.054
7	3	Unbiased	539.62	495.59	-44.028
8	3	Unbiased	538.64	489.89	-48.743
9	3	Unbiased	539.08	505.63	-33.449
10	3	Unbiased	541.52	510.22	-31.299
11	3	Unbiased	505.55	495.48	-10.069
12	10	Unbiased	505.75	503.04	-2.7174
13	10	Unbiased	543.57	501.2	-42.365
14	10	Unbiased	506.44	507.42	0.9793
15	10	Unbiased	517.33	498.72	-18.609
16	10	Unbiased	525.07	498.35	-26.717
17	10	Biased	519.15	498.14	-21.008
18	10	Biased	515.22	500.69	-14.525
19	10	Biased	527.26	506.72	-20.543
20	10	Biased	513.58	499.89	-13.693
21	10	Biased	543.29	510.53	-32.763
22	30	Biased	519.53	493.15	-26.385
23	30	Biased	536.49	496.62	-39.863
24	30	Biased	506.64	497.95	-8.686
25	30	Biased	524.02	504.52	-19.496
26	30	Biased	542.07	503.36	-38.711
27	30	Unbiased	523.42	493.29	-30.137
28	30	Unbiased	533.31	494.36	-38.953
29	30	Unbiased	537.64	500.5	-37.144
30	30	Unbiased	534.21	493.82	-40.396
31	30	Unbiased	523.91	492.7	-31.211
32	50	Biased	543.16	502.65	-40.517
33	50	Biased	539.55	499.47	-40.079
34	50	Biased	543.71	502.54	-41.178
35	50	Biased	521.28	498.8	-22.484
36	50	Biased	526.96	496.23	-30.733
37	50	Unbiased	517.7	498.17	-19.537
39	50	Unbiased	524.09	503.73	-20.363
40	50	Unbiased	530.25	496.09	-34.165
41	50	Unbiased	517.14	502.88	-14.262
42	50	Unbiased	519.77	504.54	-15.23
43	100	Biased	513.18	494.89	-18.293
44	100	Biased	541.35	496.48	-44.868
45	100	Biased	537.05	496.29	-40.763
46	100	Biased	511.63	501.76	-9.8651
47	100	Biased	518.69	490.99	-27.704
48	100	Unbiased	537.23	498.24	-38.989
49	100	Unbiased	518.37	490.7	-27.667
50	100	Unbiased	530.25	496.51	-33.74
51	100	Unbiased	545.16	498.67	-46.493
52	100	Unbiased	533.7	491.5	-42.198
53	0	Correlation	520.76	512.32	-8.4398
54	0	Correlation	509.23	494.69	-14.547
55	0	Correlation	519.74	511.27	-8.4788
56	0	Correlation	533.75	495.54	-38.215

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	509.23	520.87	533.75	10.043	494.69	503.45	512.32	9.6462	-38.215	-17.42	-8.4398	14.157
3	505.55	531.36	541.53	12.23	489.89	499.28	510.22	6.5156	-48.743	-32.075	-10.069	10.982
10	505.75	521.67	543.57	13.365	498.14	502.47	510.53	4.3339	-42.365	-19.196	0.9793	12.968
30	506.64	528.12	542.07	10.6	492.7	497.03	504.52	4.4042	-40.396	-31.098	-8.686	10.433
50	517.14	528.36	543.71	10.367	496.09	500.51	504.54	3.1312	-41.178	-27.855	-14.262	10.717
100	511.63	528.66	545.16	12.202	490.7	495.6	501.76	3.6356	-46.493	-33.058	-9.8651	12.075

Device Test: 19.4; RESET_SLEW_RATE_RISE





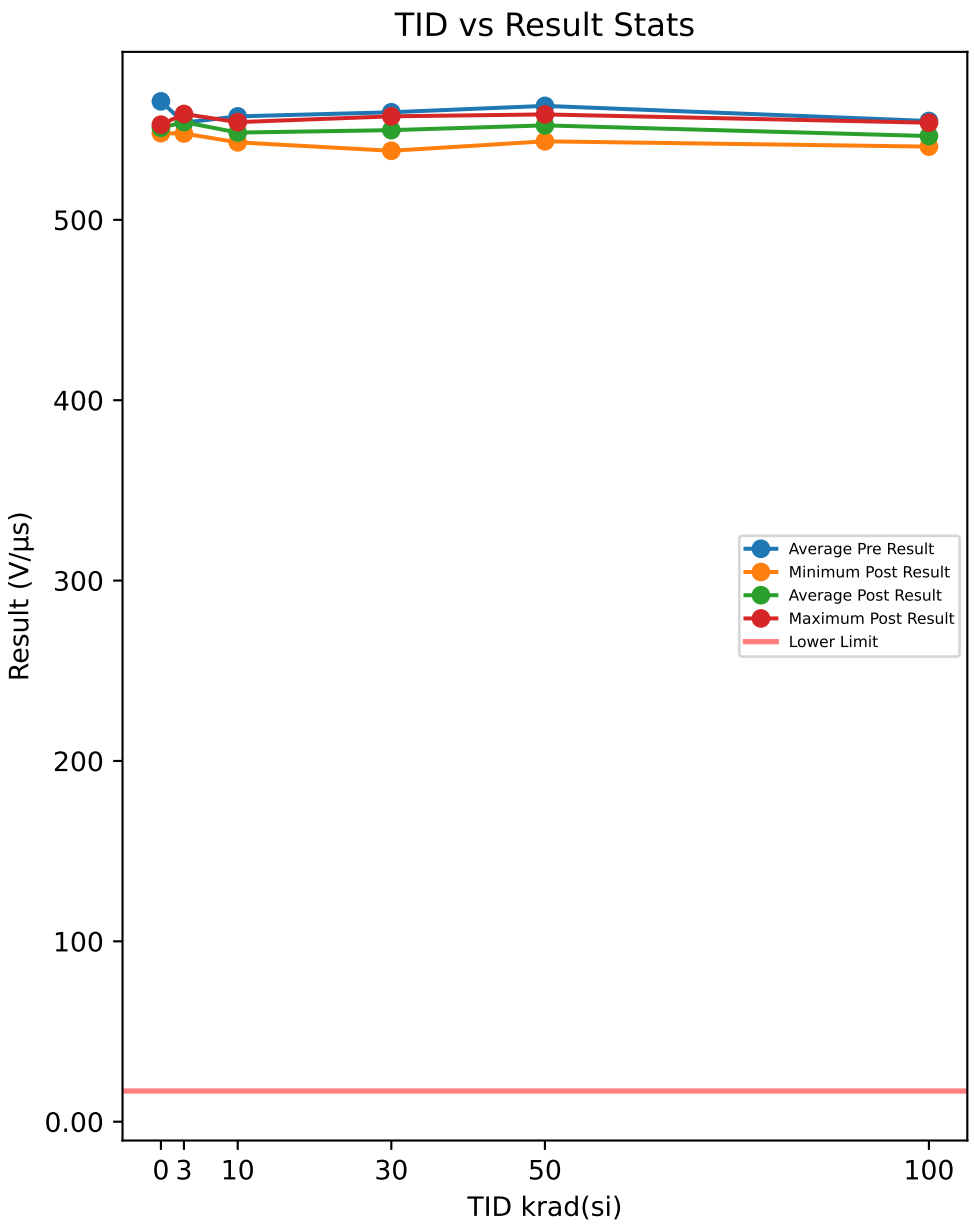
Test Results (Lower Limit = 17.0 (V/µs))

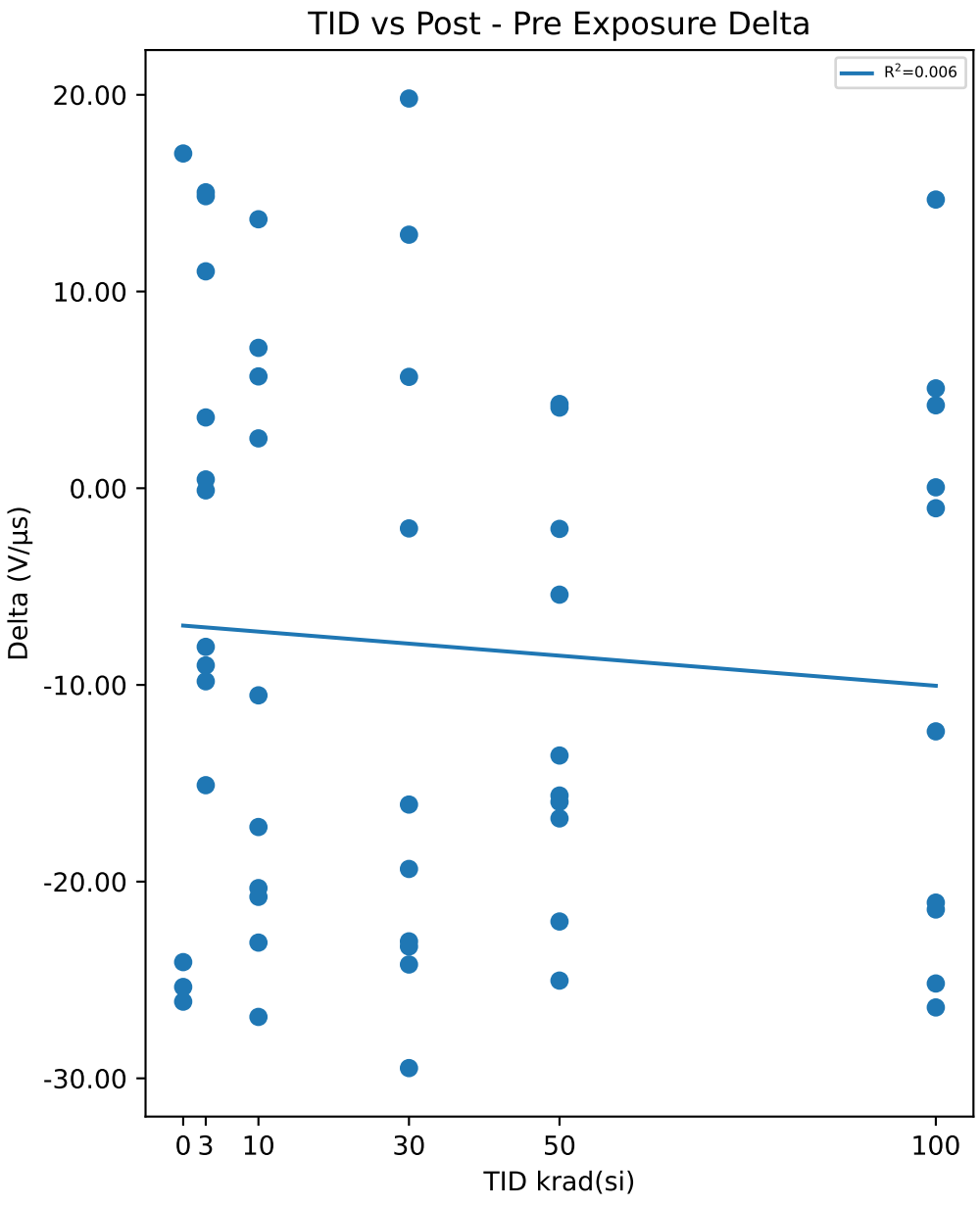
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	35.282	35.027	-0.2542
3	3	Biased	35.569	35.11	-0.4593
4	3	Biased	36.413	36.044	-0.369
5	3	Biased	35.648	35.138	-0.5102
6	3	Biased	35.707	35.306	-0.4003
7	3	Unbiased	35.208	34.935	-0.2729
8	3	Unbiased	35.534	35.238	-0.2965
9	3	Unbiased	35.787	35.104	-0.6825
10	3	Unbiased	35.724	35.516	-0.2076
11	3	Unbiased	35.112	34.919	-0.1932
12	10	Unbiased	35.005	34.439	-0.5661
13	10	Unbiased	34.843	34.496	-0.3469
14	10	Unbiased	35.225	34.873	-0.3525
15	10	Unbiased	35.757	34.934	-0.8229
16	10	Unbiased	35.532	35.101	-0.4304
17	10	Biased	35.971	35.169	-0.8015
18	10	Biased	35.788	34.804	-0.9847
19	10	Biased	36.294	35.919	-0.3751
20	10	Biased	35.364	34.892	-0.4723
21	10	Biased	35.657	34.708	-0.9493
22	30	Biased	34.849	33.578	-1.2708
23	30	Biased	34.461	33.212	-1.2484
24	30	Biased	34.664	33.442	-1.2225
25	30	Biased	35.928	34.375	-1.5535
26	30	Biased	35.093	33.882	-1.2103
27	30	Unbiased	35.119	33.925	-1.1946
28	30	Unbiased	35.326	33.874	-1.4517
29	30	Unbiased	35.554	34.26	-1.2943
30	30	Unbiased	35.386	33.666	-1.7199
31	30	Unbiased	35.757	33.873	-1.8839
32	50	Biased	35.659	33.088	-2.5708
33	50	Biased	35.661	33.024	-2.6375
34	50	Biased	35.714	32.606	-3.1079
35	50	Biased	35.48	32.603	-2.8771
36	50	Biased	34.608	32.661	-1.9463
37	50	Unbiased	35.768	33.389	-2.3783
39	50	Unbiased	35.811	33.225	-2.5863
40	50	Unbiased	36.062	33.811	-2.2509
41	50	Unbiased	35.028	33.114	-1.9142
42	50	Unbiased	35.437	33.314	-2.1227
43	100	Biased	35.373	31.399	-3.974
44	100	Biased	35.927	31.363	-4.5641
45	100	Biased	35.316	30.757	-4.5584
46	100	Biased	36.141	31.473	-4.6672
47	100	Biased	35.581	31.177	-4.4039
48	100	Unbiased	35.411	31.569	-3.8424
49	100	Unbiased	35.492	31.175	-4.3168
50	100	Unbiased	35.084	31.694	-3.3903
51	100	Unbiased	35.766	31.495	-4.2712
52	100	Unbiased	35.414	31.38	-4.0344
53	0	Correlation	35.575	35.71	0.1347
54	0	Correlation	35.528	35.095	-0.4334
55	0	Correlation	36.152	35.773	-0.3791
56	0	Correlation	35.342	35.457	0.1153

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	35.342	35.649	36.152	0.35006	35.095	35.509	35.773	0.30797	-0.4334	-0.14063	0.1347	0.30762
3	35.112	35.598	36.413	0.36869	34.919	35.234	36.044	0.33563	-0.6825	-0.36457	-0.1932	0.1534
10	34.843	35.544	36.294	0.44461	34.439	34.933	35.919	0.41691	-0.9847	-0.61017	-0.3469	0.25416
30	34.461	35.214	35.928	0.47019	33.212	33.809	34.375	0.35201	-1.8839	-1.405	-1.1946	0.24106
50	34.608	35.523	36.062	0.42162	32.603	33.083	33.811	0.3857	-3.1079	-2.4392	-1.9142	0.39088
100	35.084	35.55	36.141	0.31322	30.757	31.348	31.694	0.262	-4.6672	-4.2023	-3.3903	0.39462

Device Test: 19.40; RESET_SLEW_RATE_RISE





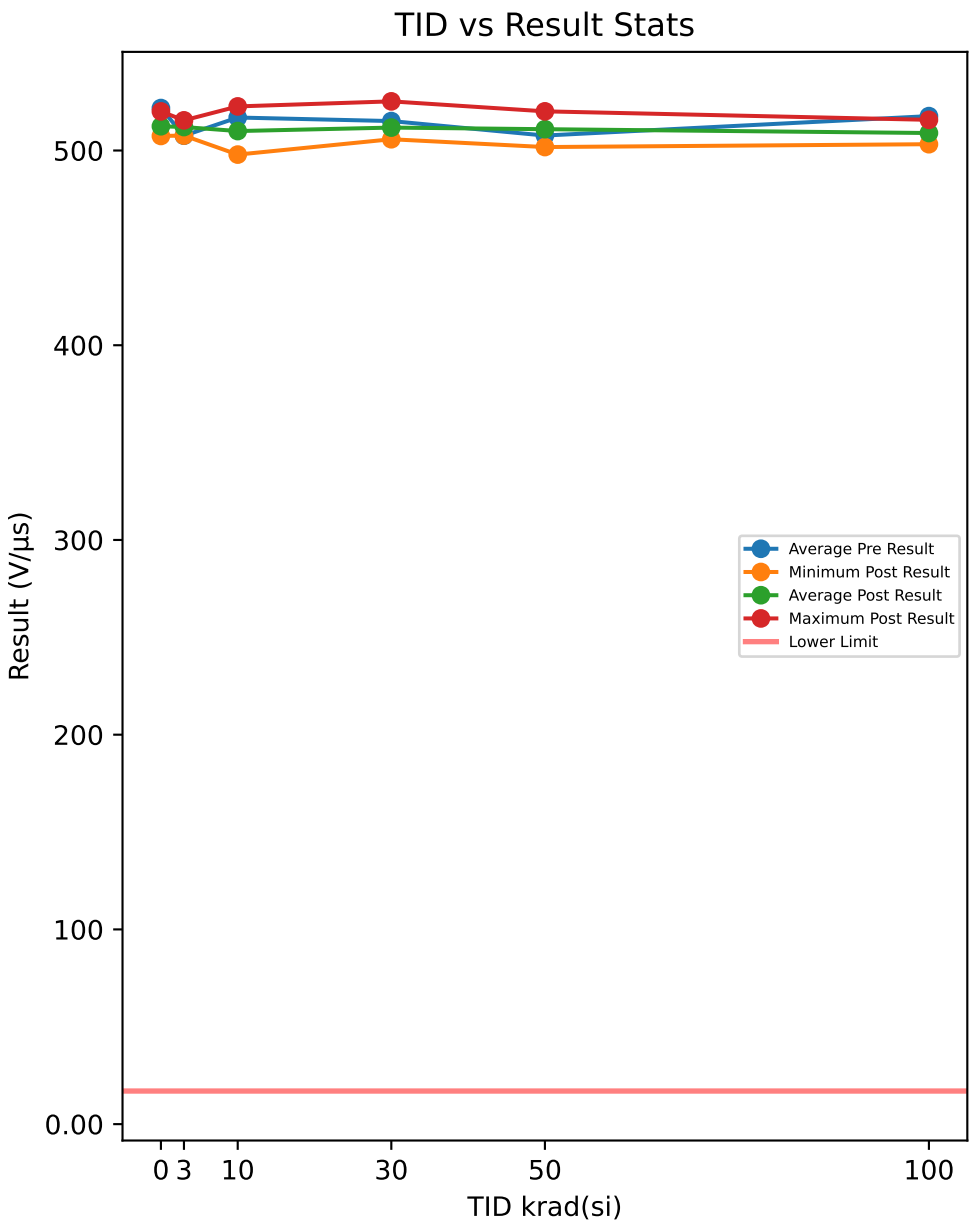
Test Results (Lower Limit = 17.0 (V/µs))

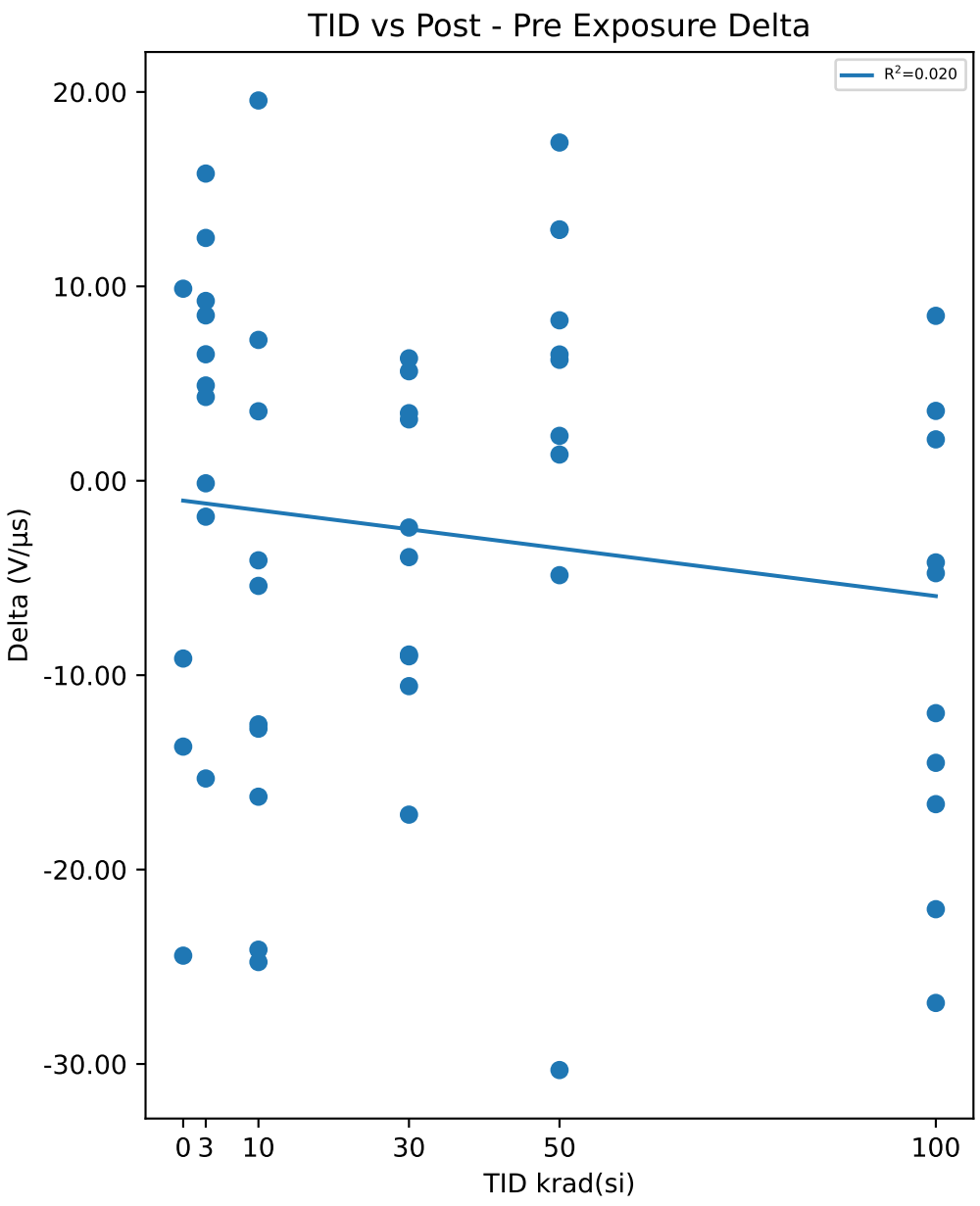
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	572.05	556.95	-15.098
3	3	Biased	559.39	550.38	-9.0062
4	3	Biased	540.85	555.7	14.845
5	3	Biased	542.41	557.45	15.044
6	3	Biased	550.61	554.21	3.5975
7	3	Unbiased	550.53	550.98	0.4461
8	3	Unbiased	555.91	547.85	-8.0653
9	3	Unbiased	568.5	558.68	-9.8167
10	3	Unbiased	557.82	557.71	-0.1111
11	3	Unbiased	540.8	551.83	11.026
12	10	Unbiased	541.54	544.07	2.533
13	10	Unbiased	566.47	543.37	-23.1
14	10	Unbiased	545.38	551.06	5.6844
15	10	Unbiased	577.88	551	-26.878
16	10	Unbiased	568.67	548.34	-20.33
17	10	Biased	567.57	550.35	-17.224
18	10	Biased	536.39	550.06	13.673
19	10	Biased	547.03	554.16	7.1354
20	10	Biased	563.74	542.96	-20.774
21	10	Biased	558.82	548.29	-10.53
22	30	Biased	567.9	548.54	-19.356
23	30	Biased	571.34	547.12	-24.214
24	30	Biased	566.11	543.08	-23.037
25	30	Biased	580.68	557.38	-23.298
26	30	Biased	570.92	554.84	-16.083
27	30	Unbiased	536.59	549.48	12.889
28	30	Unbiased	567.76	538.28	-29.48
29	30	Unbiased	536.33	556.14	19.811
30	30	Unbiased	541.94	547.61	5.6613
31	30	Unbiased	556.85	554.81	-2.0438
32	50	Biased	573.82	558.2	-15.624
33	50	Biased	554.92	549.51	-5.4118
34	50	Biased	548.77	546.7	-2.0679
35	50	Biased	550.41	554.69	4.281
36	50	Biased	574.62	549.59	-25.033
37	50	Unbiased	565.81	552.22	-13.589
39	50	Unbiased	559.47	543.53	-15.945
40	50	Unbiased	553.98	558.08	4.0988
41	50	Unbiased	569.51	552.72	-16.787
42	50	Unbiased	580.47	558.45	-22.027
43	100	Biased	549.25	548.23	-1.0181
44	100	Biased	553.79	553.84	0.0446
45	100	Biased	542.71	547.79	5.0758
46	100	Biased	566.99	540.59	-26.396
47	100	Biased	536.38	551.06	14.675
48	100	Unbiased	573.05	547.87	-25.179
49	100	Unbiased	554.73	542.37	-12.361
50	100	Unbiased	537.18	541.4	4.2161
51	100	Unbiased	566.68	545.26	-21.417
52	100	Unbiased	567.19	546.12	-21.067
53	0	Correlation	577.94	552.58	-25.356
54	0	Correlation	535.74	552.76	17.017
55	0	Correlation	576.9	550.8	-26.102
56	0	Correlation	572.16	548.07	-24.093

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	535.74	565.68	577.94	20.12	548.07	551.05	552.76	2.1785	-26.102	-14.633	17.017	21.116
3	540.8	553.89	572.05	10.995	547.85	554.17	558.68	3.7089	-15.098	0.28607	15.044	10.807
10	536.39	557.35	577.88	13.823	542.96	548.37	554.16	3.7609	-26.878	-8.981	13.673	14.827
30	536.33	559.64	580.68	15.911	538.28	549.73	557.38	6.143	-29.48	-9.9149	19.811	17.556
50	548.77	563.18	580.47	11.194	543.53	552.37	558.45	5.1124	-25.033	-10.811	4.281	10.417
100	536.38	554.8	573.05	13.348	540.59	546.45	553.84	4.227	-26.396	-8.3427	14.675	14.72

Device Test: 19.41; PWRGD_SLEW_RATE_RISE





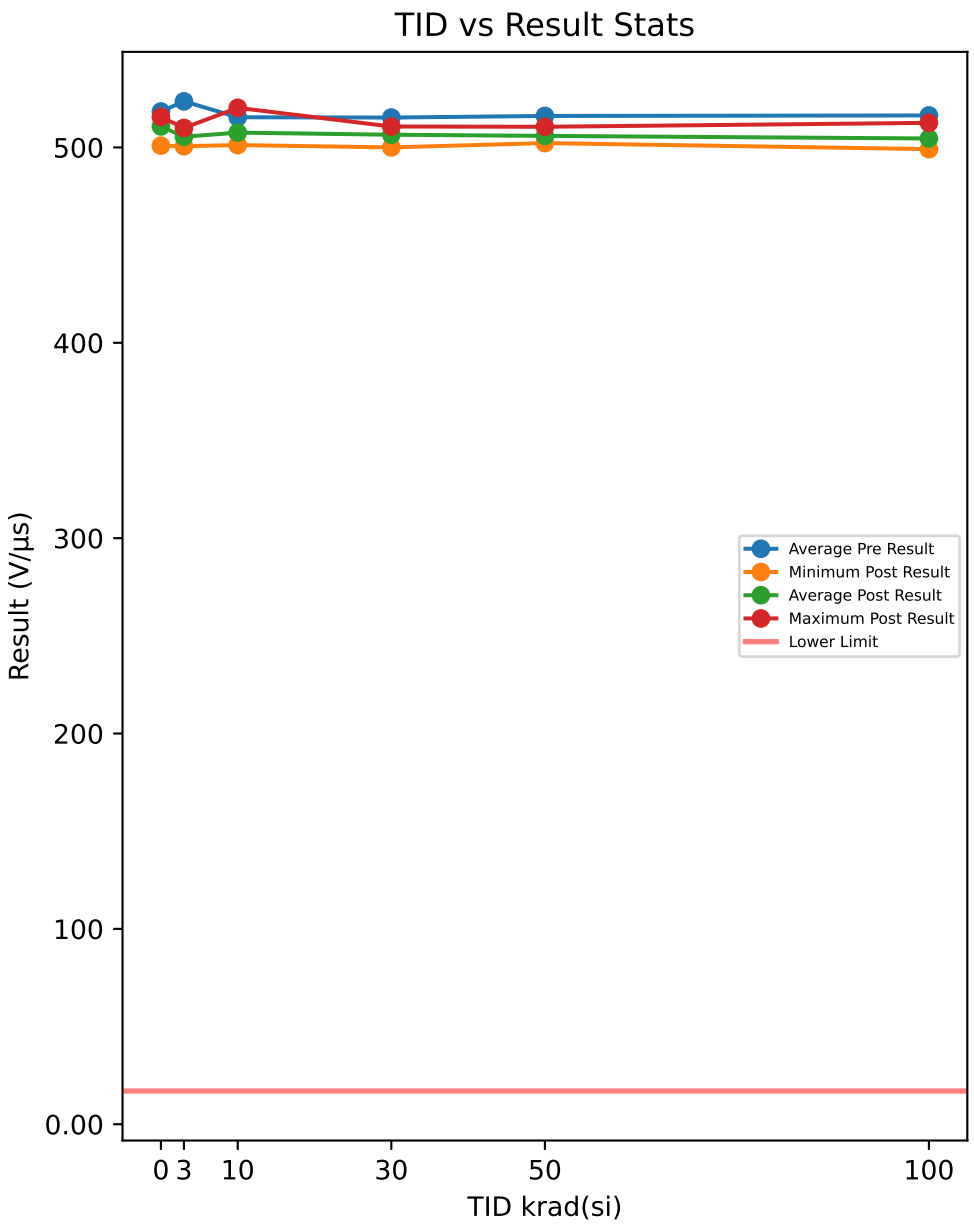
Test Results (Lower Limit = 17.0 (V/µs))

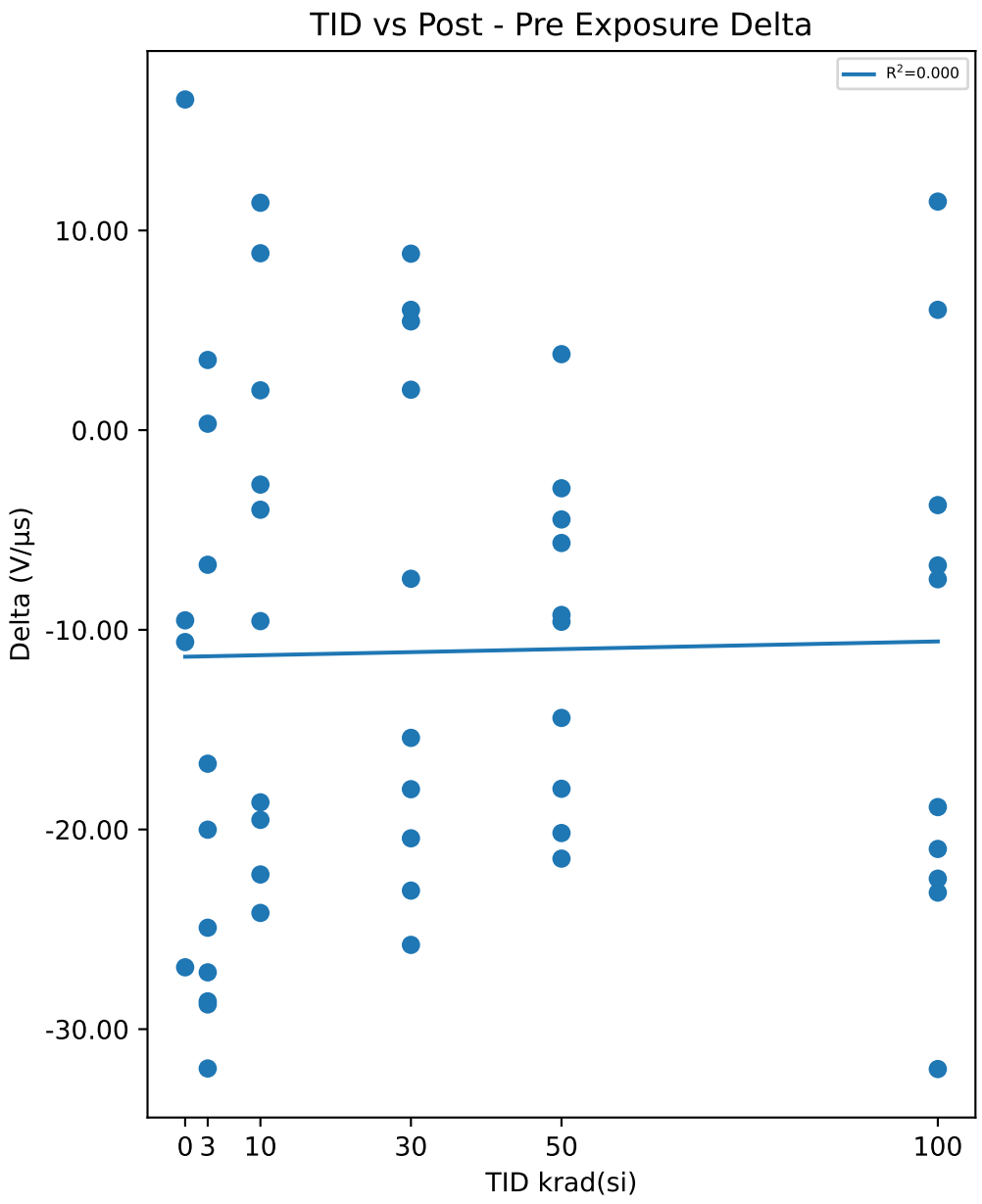
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	504.71	513.96	9.2495
3	3	Biased	496.97	509.46	12.491
4	3	Biased	528.69	513.37	-15.315
5	3	Biased	511.18	515.49	4.3103
6	3	Biased	496.36	512.16	15.802
7	3	Unbiased	506.43	512.93	6.5065
8	3	Unbiased	513.3	513.17	-0.1305
9	3	Unbiased	508.95	513.85	4.9012
10	3	Unbiased	499.98	508.49	8.507
11	3	Unbiased	509.51	507.66	-1.8468
12	10	Unbiased	499.97	507.22	7.2454
13	10	Unbiased	522.18	518.09	-4.0923
14	10	Unbiased	525.77	513.24	-12.53
15	10	Unbiased	525.16	508.91	-16.251
16	10	Unbiased	505.06	508.64	3.5737
17	10	Biased	513.09	507.68	-5.4069
18	10	Biased	514.15	501.4	-12.752
19	10	Biased	538.88	514.13	-24.756
20	10	Biased	522.03	497.91	-24.12
21	10	Biased	503.08	522.65	19.562
22	30	Biased	510.77	513.93	3.1578
23	30	Biased	519.61	525.24	5.6338
24	30	Biased	518.68	509.65	-9.0284
25	30	Biased	508.19	505.79	-2.4052
26	30	Biased	524.69	507.52	-17.174
27	30	Unbiased	507.42	513.72	6.2974
28	30	Unbiased	525.96	515.39	-10.564
29	30	Unbiased	503.41	506.88	3.4769
30	30	Unbiased	518.74	509.8	-8.9382
31	30	Unbiased	513.73	509.8	-3.9281
32	50	Biased	508.25	514.48	6.2217
33	50	Biased	504.55	512.8	8.2541
34	50	Biased	501.4	514.33	12.931
35	50	Biased	500.43	501.78	1.3486
36	50	Biased	502.3	515.2	12.902
37	50	Unbiased	502.71	520.11	17.399
39	50	Unbiased	508.23	514.73	6.4966
40	50	Unbiased	504.41	506.72	2.3102
41	50	Unbiased	533.66	503.34	-30.312
42	50	Unbiased	510.88	506.02	-4.8566
43	100	Biased	524.87	512.91	-11.954
44	100	Biased	520.51	515.75	-4.7539
45	100	Biased	525.41	510.9	-14.509
46	100	Biased	534.21	512.17	-22.038
47	100	Biased	534.24	507.38	-26.86
48	100	Unbiased	510.21	506.01	-4.1998
49	100	Unbiased	504.32	506.45	2.1293
50	100	Unbiased	505.05	508.64	3.5943
51	100	Unbiased	494.75	503.24	8.484
52	100	Unbiased	523.03	506.39	-16.635
53	0	Correlation	538.58	514.15	-24.428
54	0	Correlation	521.8	508.13	-13.675
55	0	Correlation	529.23	520.09	-9.1441
56	0	Correlation	497.6	507.47	9.8799

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	497.6	521.8	538.58	17.537	507.47	512.46	520.09	5.9061	-24.428	-9.3416	9.8799	14.328
3	496.36	507.61	528.69	9.4428	507.66	512.05	515.49	2.6074	-15.315	4.4475	15.802	8.7479
10	499.97	516.94	538.88	12.129	497.91	509.99	522.65	7.3734	-24.756	-6.9529	19.562	14.098
30	503.41	515.12	525.96	7.6034	505.79	511.77	525.24	5.7058	-17.174	-3.3472	6.2974	7.9623
50	500.43	507.68	533.66	9.7282	501.78	510.95	520.11	6.0349	-30.312	3.2695	17.399	13.45
100	494.75	517.66	534.24	13.396	503.24	508.98	515.75	3.8415	-26.86	-8.6742	8.484	11.617

Device Test: 19.42; WDO_SLEW_RATE_RISE





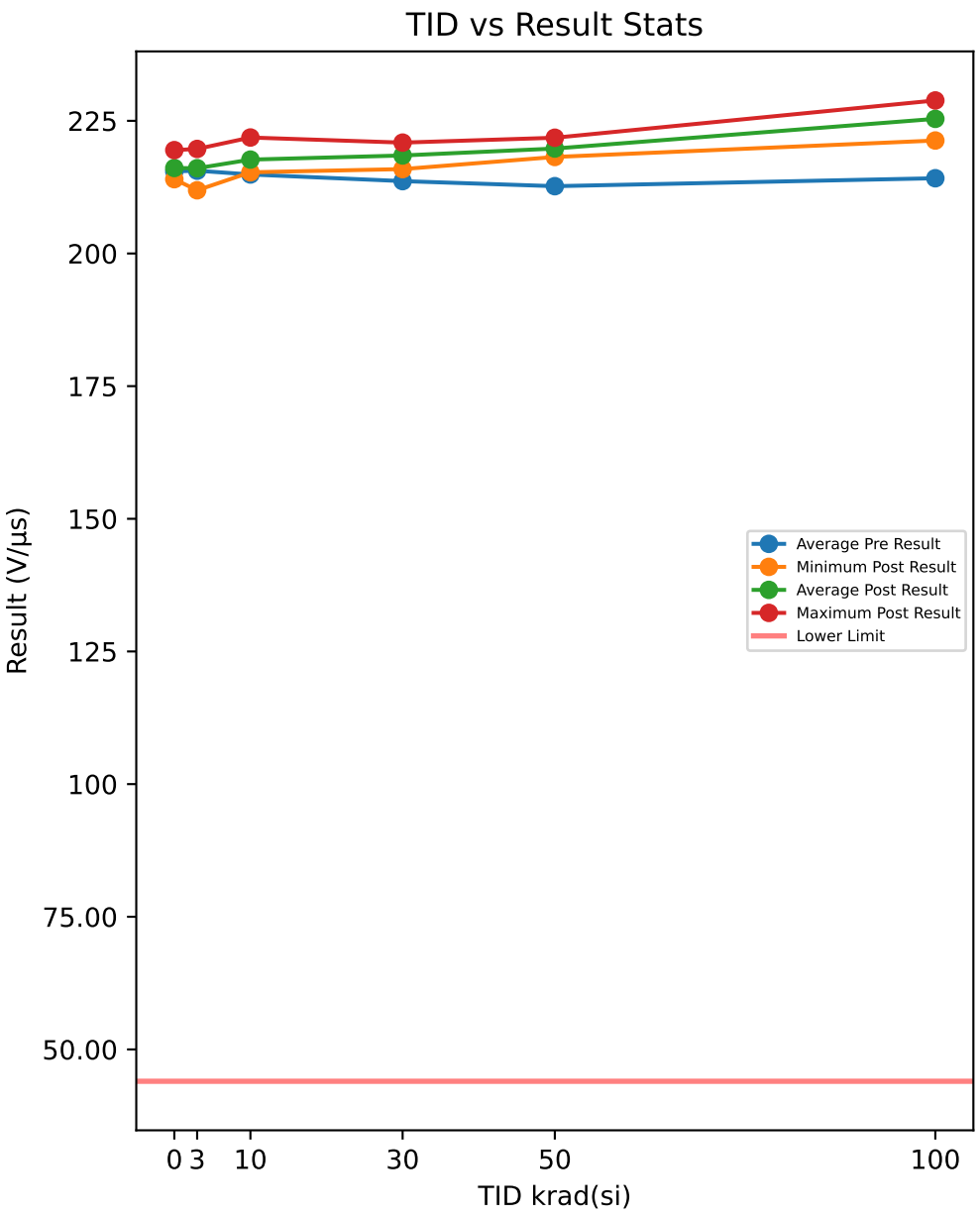
Test Results (Lower Limit = 17.0 (V/µs))

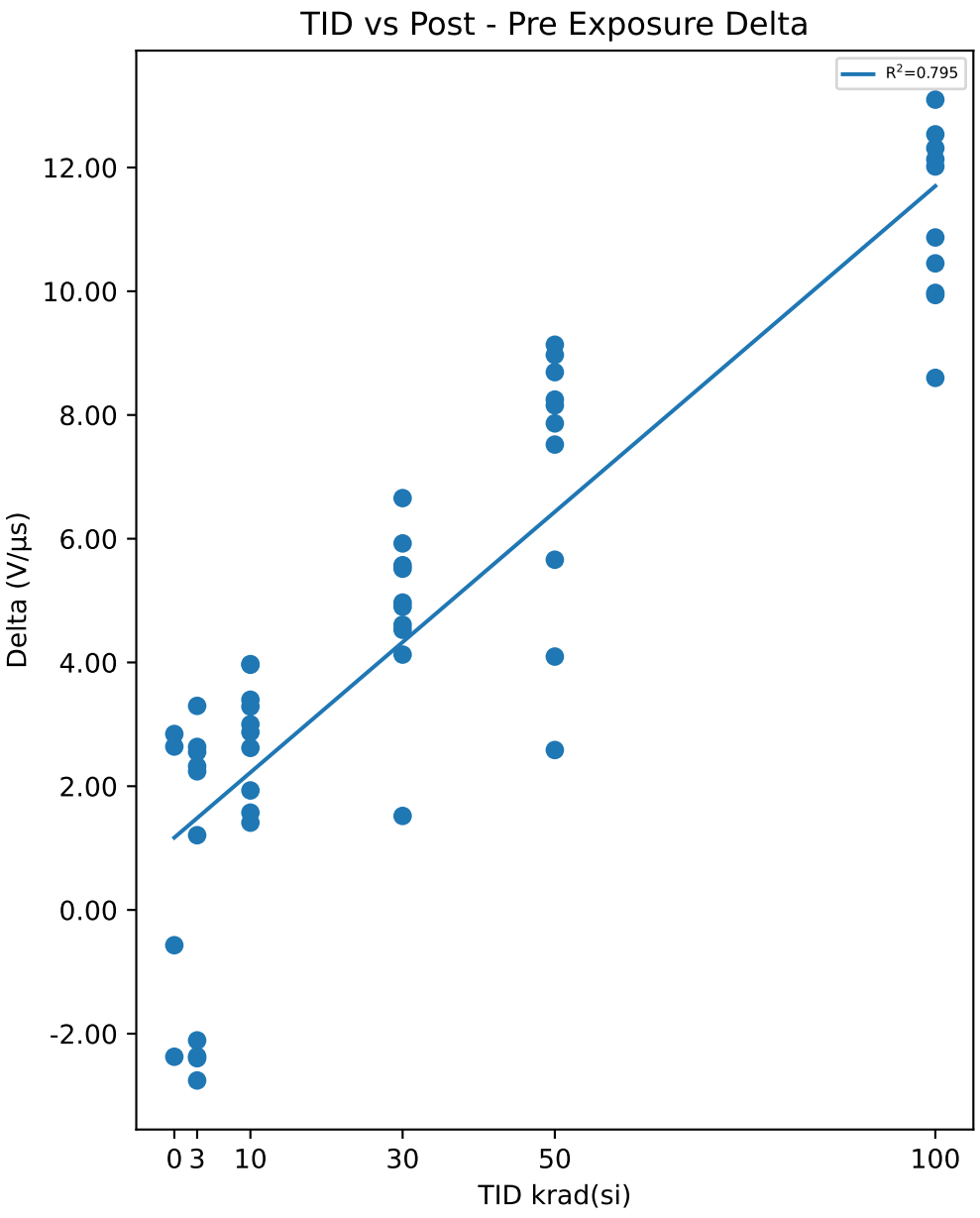
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	531.23	502.62	-28.608
3	3	Biased	501.74	505.25	3.5141
4	3	Biased	513.78	507.04	-6.7417
5	3	Biased	531.31	504.16	-27.156
6	3	Biased	523.6	506.89	-16.705
7	3	Unbiased	500.3	500.63	0.322
8	3	Unbiased	537.05	505.08	-31.97
9	3	Unbiased	534.91	509.99	-24.92
10	3	Unbiased	527.08	507.07	-20.01
11	3	Unbiased	534.91	506.15	-28.763
12	10	Unbiased	502.12	504.11	1.9954
13	10	Unbiased	517.84	508.27	-9.5644
14	10	Unbiased	536.04	511.86	-24.18
15	10	Unbiased	531.75	512.23	-19.518
16	10	Unbiased	523.47	501.22	-22.253
17	10	Biased	504.68	501.96	-2.7268
18	10	Biased	496.08	507.47	11.389
19	10	Biased	506.19	502.21	-3.9858
20	10	Biased	497.42	506.28	8.8596
21	10	Biased	538.93	520.28	-18.64
22	30	Biased	500.09	508.92	8.8387
23	30	Biased	525.71	510.29	-15.412
24	30	Biased	508.22	500.78	-7.443
25	30	Biased	504.26	510.28	6.025
26	30	Biased	525.77	505.33	-20.442
27	30	Unbiased	525.8	500.02	-25.78
28	30	Unbiased	498.84	504.29	5.4471
29	30	Unbiased	531.37	508.31	-23.062
30	30	Unbiased	508.69	510.71	2.0251
31	30	Unbiased	524.17	506.19	-17.983
32	50	Biased	525.01	507.05	-17.961
33	50	Biased	517.63	503.22	-14.414
34	50	Biased	522.42	502.24	-20.178
35	50	Biased	513.99	504.73	-9.2565
36	50	Biased	528.74	507.28	-21.46
37	50	Unbiased	512.18	507.71	-4.4734
39	50	Unbiased	502.37	506.18	3.8064
40	50	Unbiased	513.49	510.58	-2.9118
41	50	Unbiased	515.56	505.96	-9.5971
42	50	Unbiased	509.86	504.21	-5.6515
43	100	Biased	506.42	499.64	-6.7745
44	100	Biased	533.57	512.59	-20.974
45	100	Biased	531.13	499.13	-31.998
46	100	Biased	528.9	510.02	-18.879
47	100	Biased	524.08	501.61	-22.464
48	100	Unbiased	514.06	506.59	-7.4673
49	100	Unbiased	503.07	499.31	-3.7543
50	100	Unbiased	498.36	504.39	6.0262
51	100	Unbiased	496.29	507.73	11.448
52	100	Unbiased	527.99	504.83	-23.16
53	0	Correlation	538.81	511.91	-26.903
54	0	Correlation	499.08	515.64	16.56
55	0	Correlation	525.22	514.61	-10.613
56	0	Correlation	510.45	500.93	-9.5257

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	499.08	518.39	538.81	17.316	500.93	510.77	515.64	6.7493	-26.903	-7.6205	16.56	17.973
3	500.3	523.59	537.05	13.677	500.63	505.49	509.99	2.612	-31.97	-18.104	3.5141	12.85
10	496.08	515.45	538.93	16.297	501.22	507.59	520.28	5.9304	-24.18	-7.8624	11.389	12.983
30	498.84	515.29	531.37	12.397	500.02	506.51	510.71	3.8964	-25.78	-8.7785	8.8387	13.367
50	502.37	516.12	528.74	7.7149	502.24	505.92	510.58	2.434	-21.46	-10.21	3.8064	8.2216
100	496.29	516.39	533.57	14.43	499.13	504.59	512.59	4.6957	-31.998	-11.8	11.448	13.952

Device Test: 19.43; RESET_SLEW_RATE_FALL





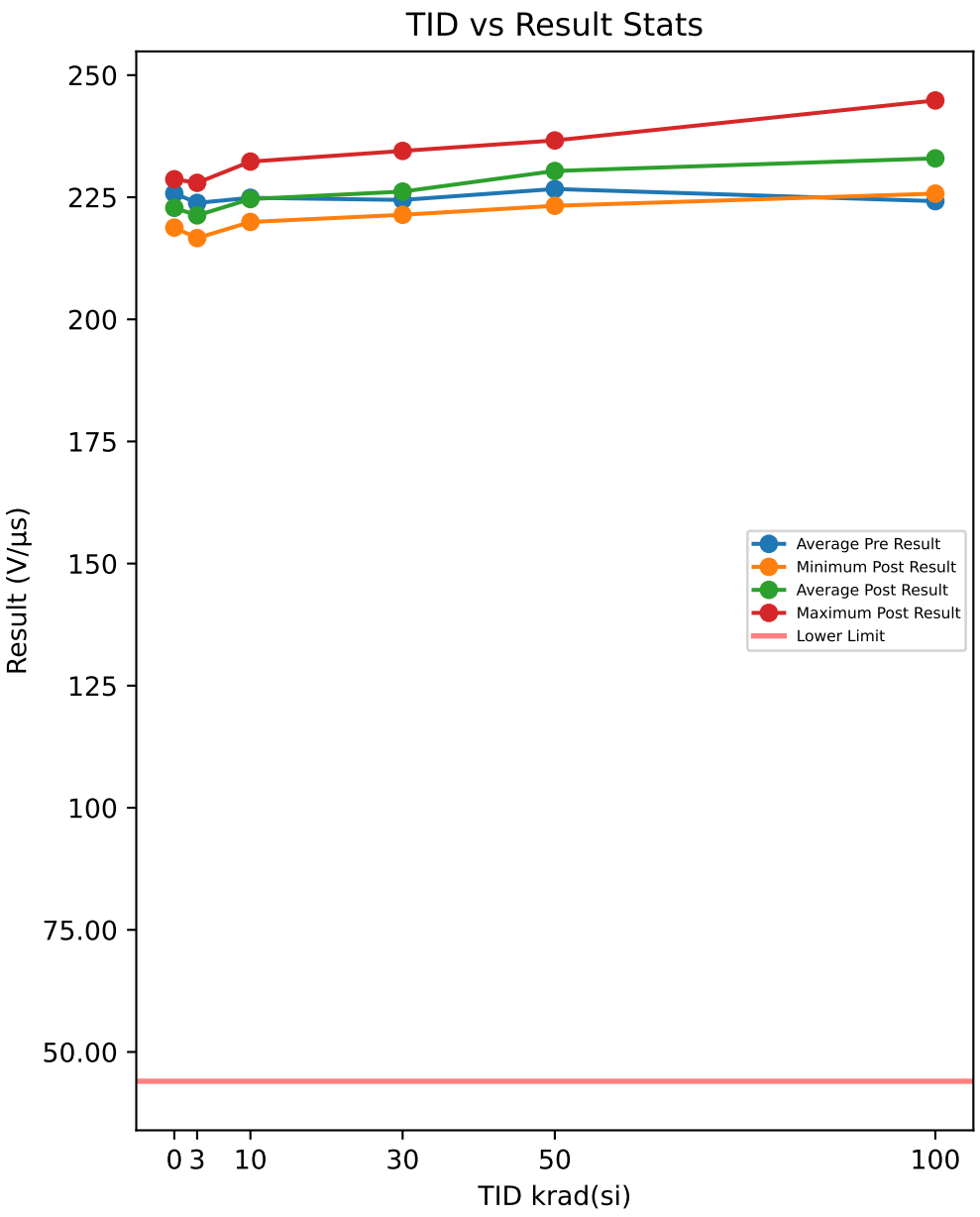
Test Results (Lower Limit = 44.0 (V/µs))

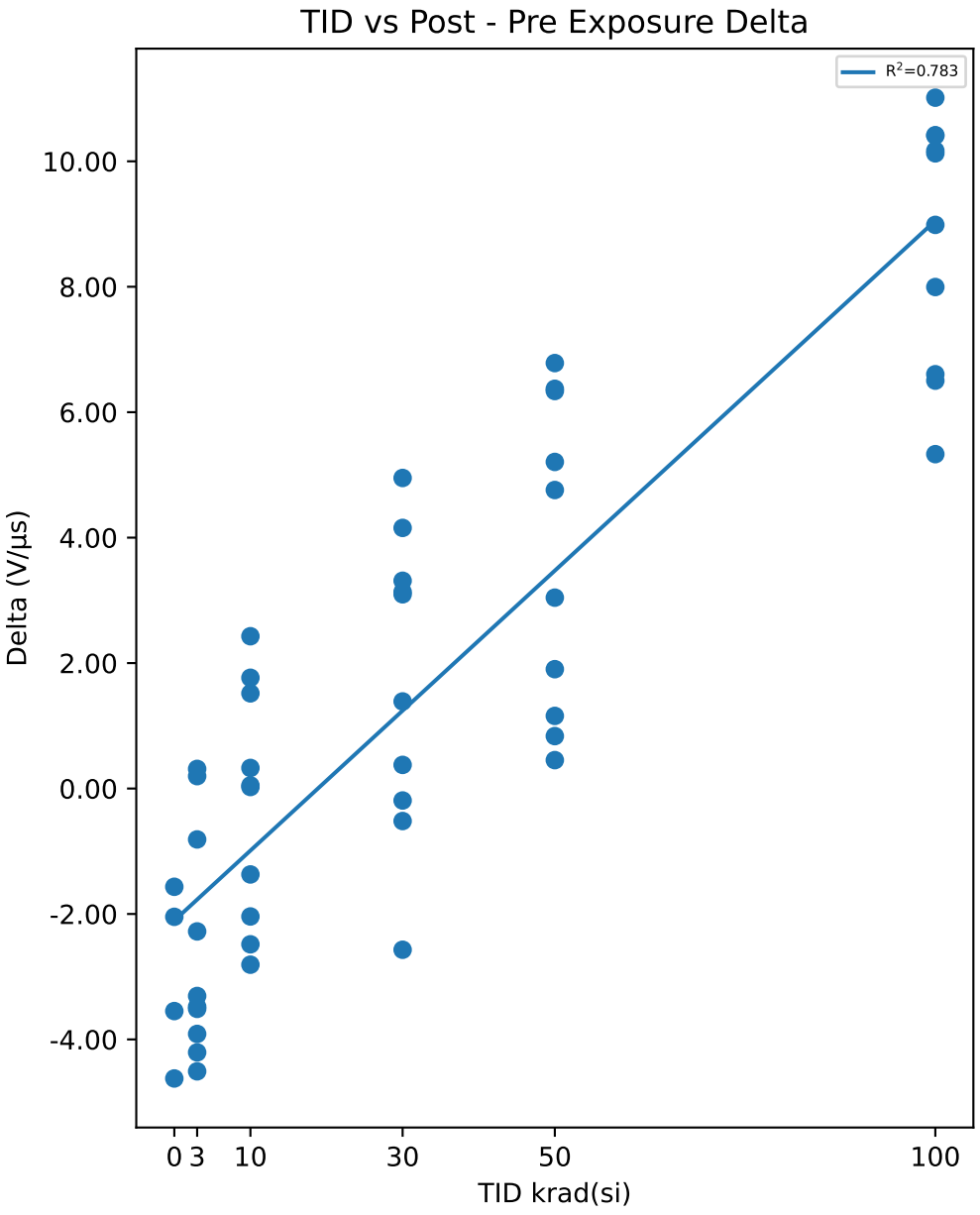
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	216.46	213.7	-2.7564
3	3	Biased	219.35	217.24	-2.1085
4	3	Biased	215.25	218.54	3.2982
5	3	Biased	210.41	212.97	2.5549
6	3	Biased	217.07	219.7	2.6351
7	3	Unbiased	219.22	216.83	-2.3967
8	3	Unbiased	214.95	217.19	2.2406
9	3	Unbiased	210.7	211.91	1.2078
10	3	Unbiased	217.99	215.62	-2.3663
11	3	Unbiased	214.63	216.95	2.3224
12	10	Unbiased	214.27	215.68	1.4108
13	10	Unbiased	215.95	218.57	2.6193
14	10	Unbiased	211.34	215.3	3.9631
15	10	Unbiased	215.06	216.63	1.5729
16	10	Unbiased	214.12	216.99	2.8729
17	10	Biased	216.56	218.49	1.9311
18	10	Biased	215.06	218.46	3.3977
19	10	Biased	214.33	217.33	3.0008
20	10	Biased	217.88	221.85	3.9732
21	10	Biased	214.32	217.61	3.2873
22	30	Biased	211.65	217.17	5.515
23	30	Biased	211.97	218.63	6.6565
24	30	Biased	212.72	216.84	4.1271
25	30	Biased	216.78	218.3	1.5195
26	30	Biased	216	220.53	4.5284
27	30	Unbiased	212.01	217.58	5.5718
28	30	Unbiased	209.98	215.9	5.9242
29	30	Unbiased	215.99	220.89	4.8998
30	30	Unbiased	214.68	219.29	4.6093
31	30	Unbiased	214.58	219.55	4.9683
32	50	Biased	211.98	219.84	7.8642
33	50	Biased	216.16	218.74	2.5848
34	50	Biased	215.7	221.37	5.6605
35	50	Biased	212.68	221.81	9.1356
36	50	Biased	212.96	220.49	7.5216
37	50	Unbiased	210.78	219.75	8.9701
39	50	Unbiased	214.91	219.01	4.095
40	50	Unbiased	211.84	220	8.1555
41	50	Unbiased	209.5	218.19	8.692
42	50	Unbiased	210.32	218.57	8.2493
43	100	Biased	219.05	227.65	8.5997
44	100	Biased	214.74	226.87	12.133
45	100	Biased	208.75	221.29	12.536
46	100	Biased	211.61	221.59	9.9737
47	100	Biased	218.9	228.84	9.9384
48	100	Unbiased	213.07	226.17	13.097
49	100	Unbiased	211.57	223.58	12.017
50	100	Unbiased	217.15	227.6	10.451
51	100	Unbiased	214.57	226.88	12.313
52	100	Unbiased	212.37	223.24	10.869
53	0	Correlation	212.62	215.46	2.8436
54	0	Correlation	217.87	215.49	-2.373
55	0	Correlation	216.84	219.48	2.6409
56	0	Correlation	214.57	214	-0.5702

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	212.62	215.47	217.87	2.3472	214	216.11	219.48	2.3503	-2.373	0.63532	2.8436	2.5431
3	210.41	215.6	219.35	3.1297	211.91	216.07	219.7	2.4953	-2.7564	0.46311	3.2982	2.5268
10	211.34	214.89	217.88	1.7371	215.3	217.69	221.85	1.8513	1.4108	2.8029	3.9732	0.9185
30	209.98	213.64	216.78	2.2762	215.9	218.47	220.89	1.6242	1.5195	4.832	6.6565	1.3812
50	209.5	212.68	216.16	2.2804	218.19	219.78	221.81	1.1957	2.5848	7.0929	9.1356	2.2326
100	208.75	214.18	219.05	3.3784	221.29	225.37	228.84	2.7104	8.5997	11.193	13.097	1.441

Device Test: 19.44; RESET_SLEW_RATE_FALL





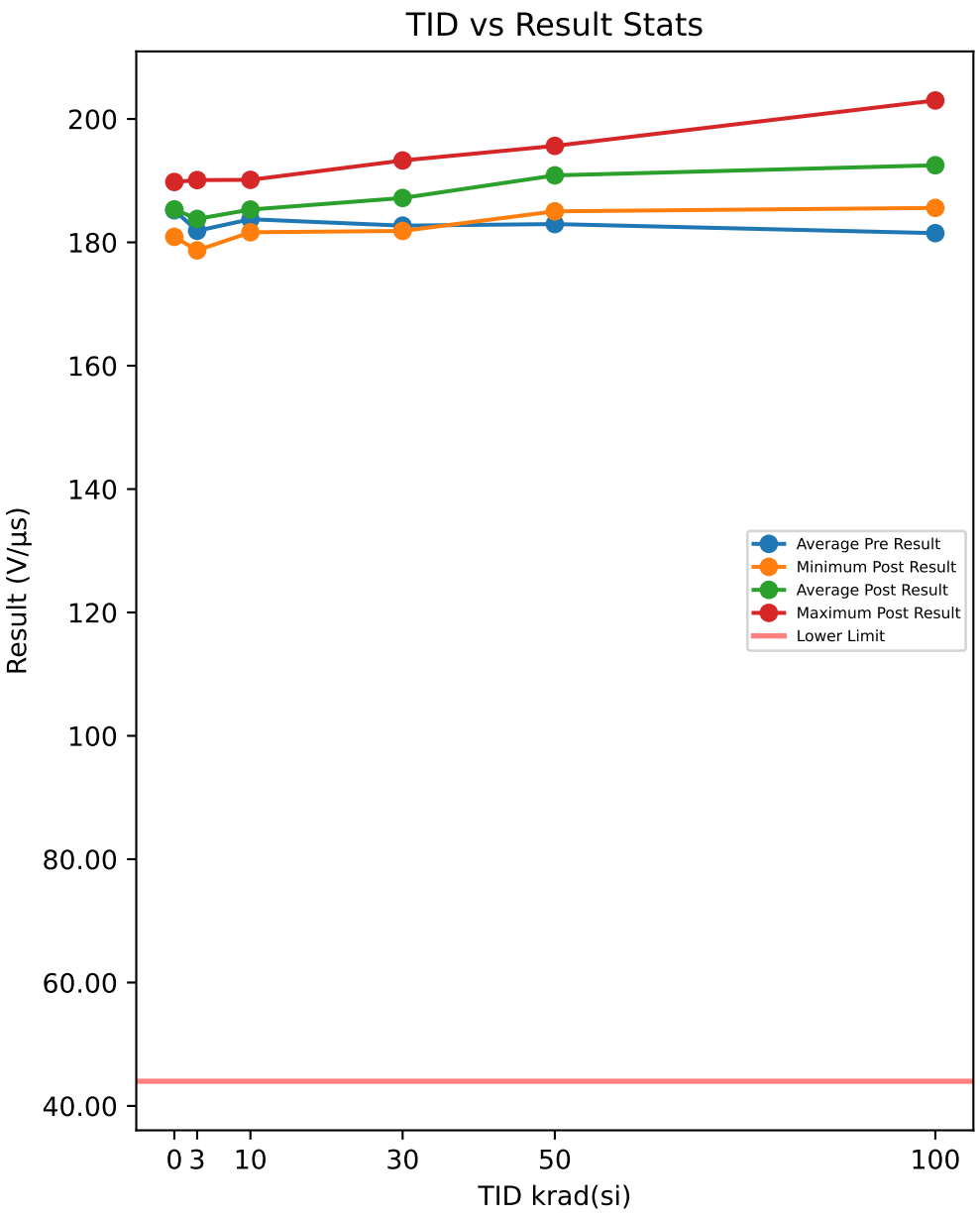
Test Results (Lower Limit = 44.0 (V/µs))

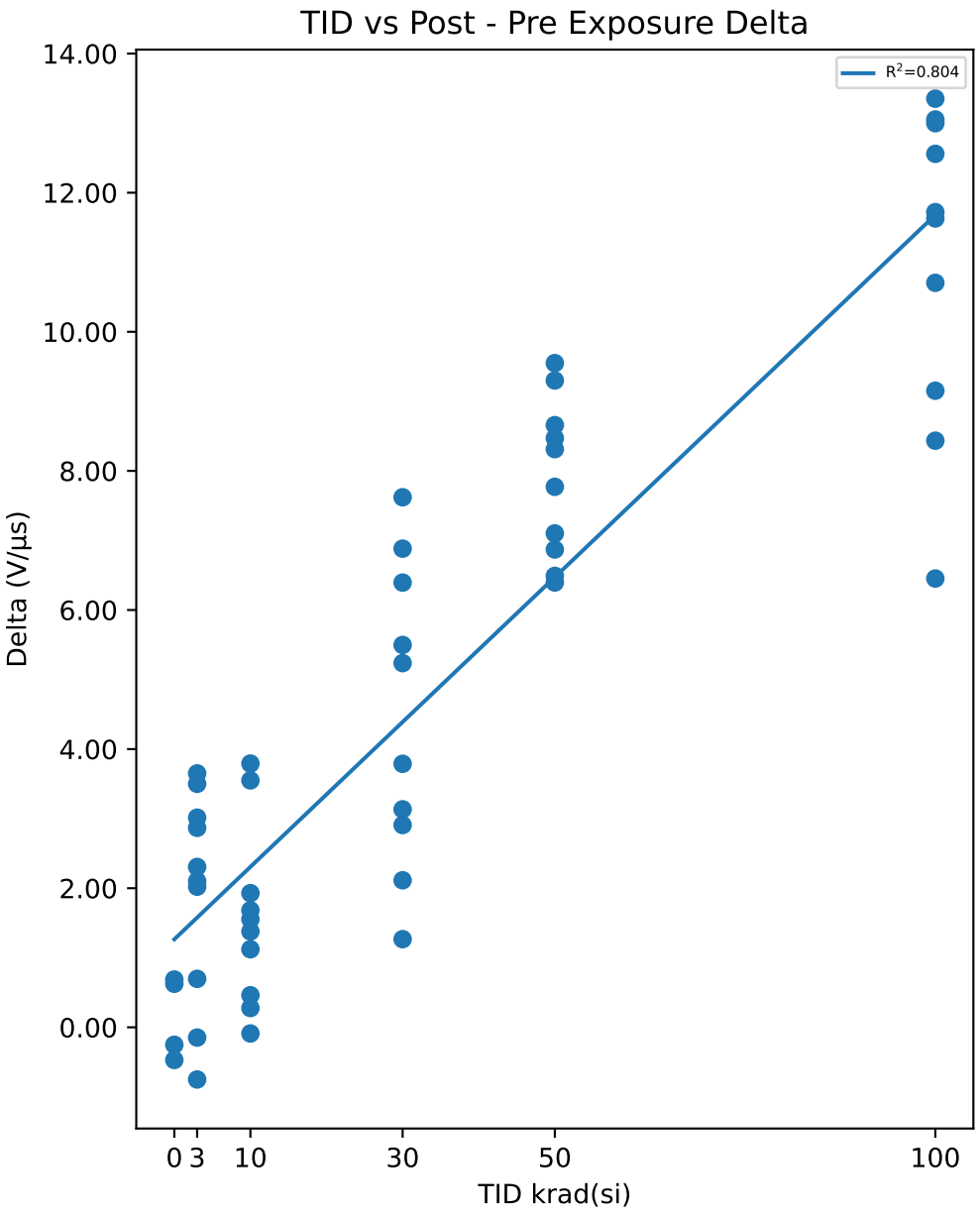
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	224.64	220.73	-3.9125
3	3	Biased	222.19	222.39	0.1975
4	3	Biased	221.64	221.95	0.3129
5	3	Biased	221.62	218.14	-3.4771
6	3	Biased	223.27	222.46	-0.8116
7	3	Unbiased	224.01	219.5	-4.5089
8	3	Unbiased	226.52	223.21	-3.3078
9	3	Unbiased	220.15	216.63	-3.513
10	3	Unbiased	222.22	219.94	-2.2782
11	3	Unbiased	232.16	227.95	-4.207
12	10	Unbiased	234.03	231.22	-2.8087
13	10	Unbiased	219.23	221.66	2.428
14	10	Unbiased	227.57	225.08	-2.4839
15	10	Unbiased	220.91	220.93	0.0244
16	10	Unbiased	230.78	232.3	1.5172
17	10	Biased	222.6	221.23	-1.3699
18	10	Biased	219.61	219.94	0.3281
19	10	Biased	222.79	222.84	0.0497
20	10	Biased	227.49	225.45	-2.0399
21	10	Biased	223.86	225.62	1.766
22	30	Biased	229.02	228.82	-0.1909
23	30	Biased	219.22	222.35	3.1359
24	30	Biased	226.56	223.99	-2.5706
25	30	Biased	224.99	229.14	4.1552
26	30	Biased	233.1	234.48	1.3885
27	30	Unbiased	222.19	221.67	-0.5184
28	30	Unbiased	228.13	231.45	3.3126
29	30	Unbiased	220.98	225.93	4.9515
30	30	Unbiased	221.03	221.41	0.3768
31	30	Unbiased	219.28	222.37	3.0966
32	50	Biased	228.61	233.37	4.7594
33	50	Biased	229.03	229.86	0.8359
34	50	Biased	221.35	228.14	6.7832
35	50	Biased	221.24	224.29	3.0432
36	50	Biased	231.42	236.63	5.2071
37	50	Unbiased	222.8	223.25	0.4528
39	50	Unbiased	227.13	233.5	6.373
40	50	Unbiased	222.43	223.59	1.1579
41	50	Unbiased	233.22	235.13	1.9029
42	50	Unbiased	229.69	236.02	6.3377
43	100	Biased	222.71	229.32	6.6056
44	100	Biased	228.78	237.77	8.9866
45	100	Biased	219.51	229.64	10.127
46	100	Biased	219.56	226.06	6.5029
47	100	Biased	234.65	244.82	10.171
48	100	Unbiased	226.52	237.54	11.015
49	100	Unbiased	224.92	230.25	5.3312
50	100	Unbiased	221.15	231.56	10.41
51	100	Unbiased	226.46	236.88	10.417
52	100	Unbiased	217.74	225.74	7.9956
53	0	Correlation	233.31	228.68	-4.6227
54	0	Correlation	224.08	220.53	-3.5482
55	0	Correlation	225.38	223.34	-2.0453
56	0	Correlation	220.35	218.78	-1.5667

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	220.35	225.78	233.31	5.4514	218.78	222.83	228.68	4.3266	-4.6227	-2.9457	-1.5667	1.4009
3	220.15	223.84	232.16	3.4335	216.63	221.29	227.95	3.1266	-4.5089	-2.5506	0.3129	1.8148
10	219.23	224.89	234.03	4.9286	219.94	224.63	232.3	4.2609	-2.8087	-0.2589	2.428	1.8515
30	219.22	224.45	233.1	4.6775	221.41	226.16	234.48	4.5895	-2.5706	1.7137	4.9515	2.3989
50	221.24	226.69	233.22	4.4072	223.25	230.38	236.63	5.2858	0.4528	3.6853	6.7832	2.4916
100	217.74	224.2	234.65	5.1417	225.74	232.96	244.82	6.0868	5.3312	8.756	11.015	2.0148

Device Test: 19.45; RESET_SLEW_RATE_FALL





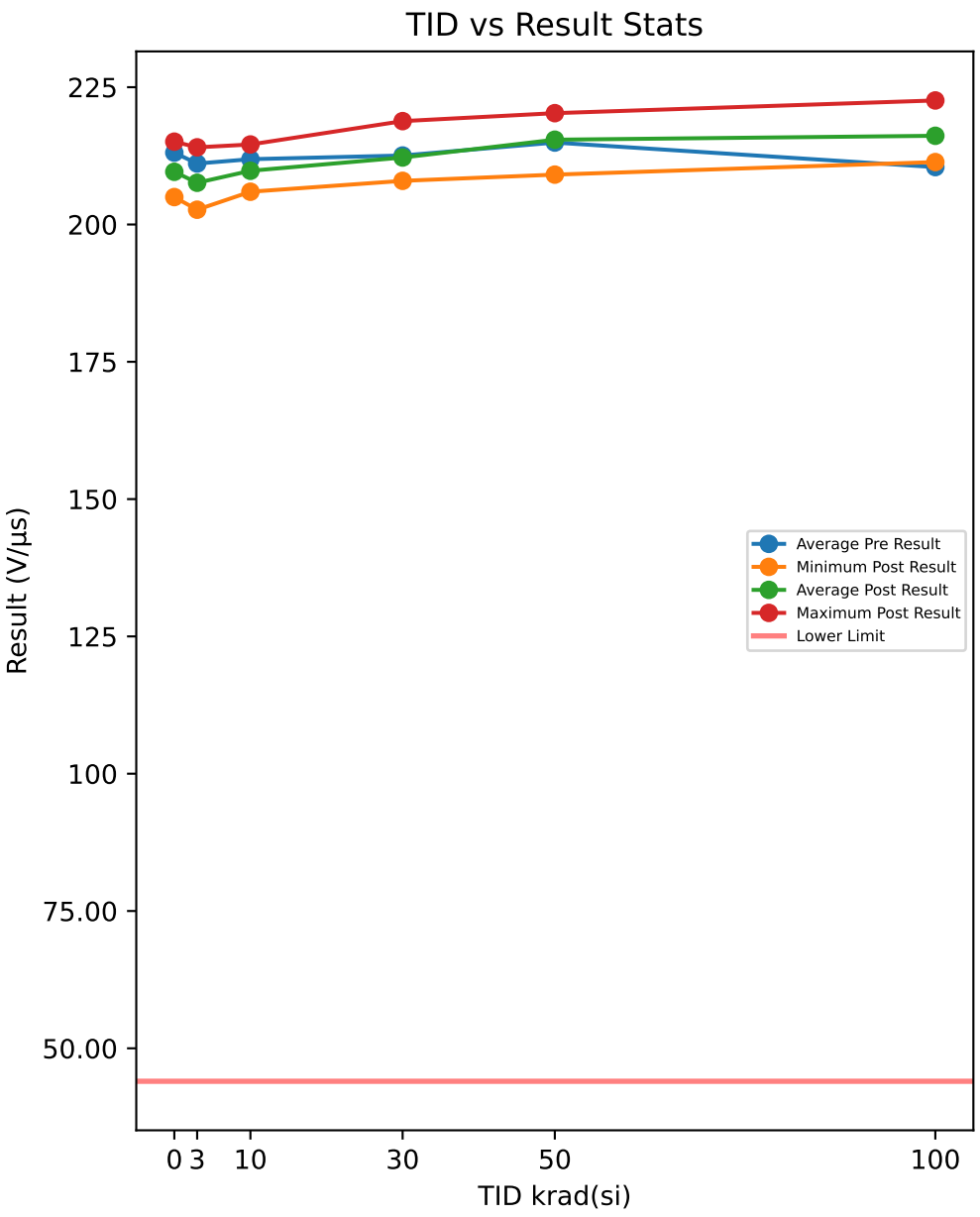
Test Results (Lower Limit = 44.0 (V/µs))

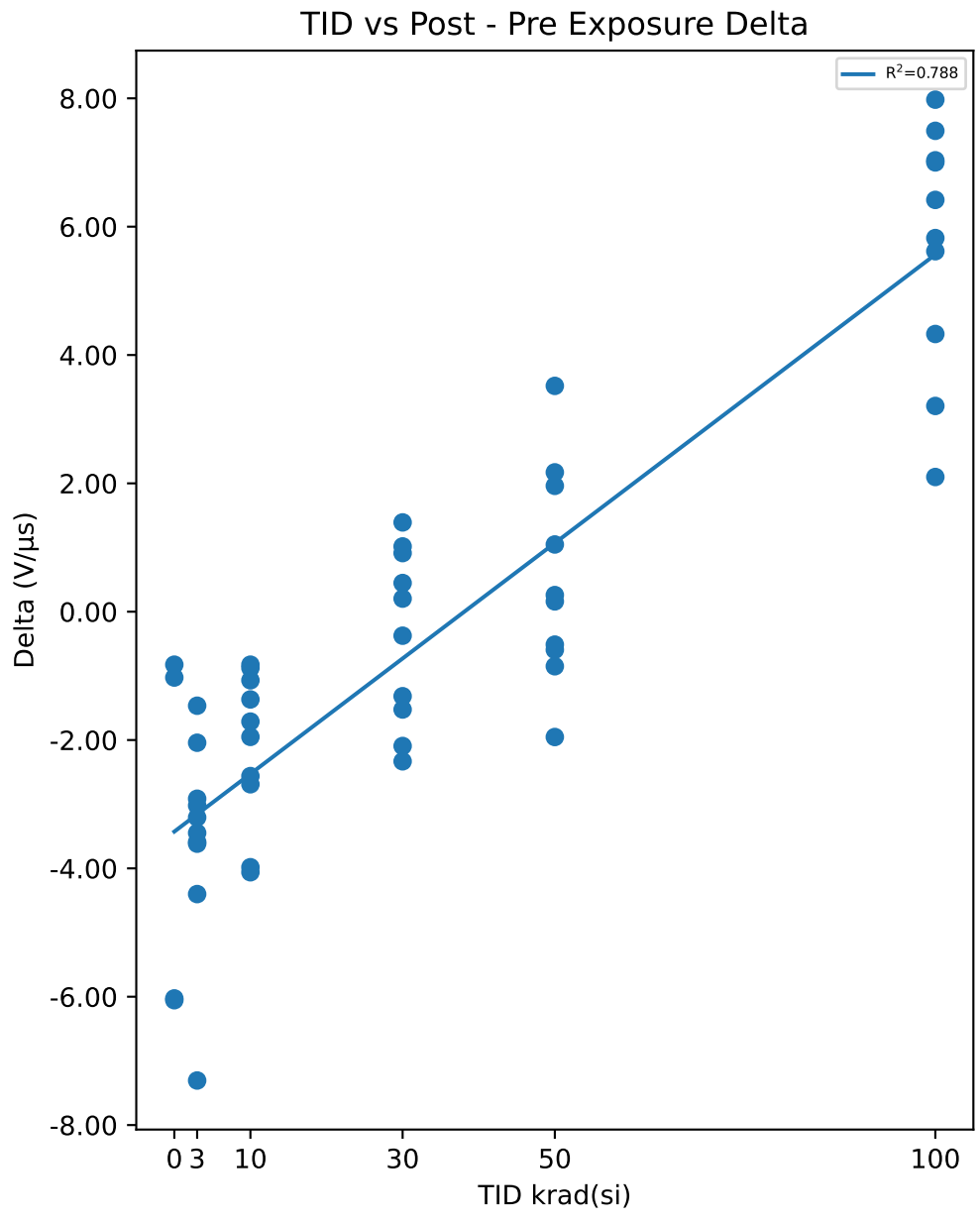
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	181.08	184.73	3.6508
3	3	Biased	181.47	184.34	2.868
4	3	Biased	180.95	184.45	3.5008
5	3	Biased	179.06	181.36	2.3056
6	3	Biased	185.06	184.91	-0.1475
7	3	Unbiased	180.26	183.27	3.0138
8	3	Unbiased	182.75	183.45	0.6968
9	3	Unbiased	176.59	178.69	2.1023
10	3	Unbiased	183.41	182.66	-0.7499
11	3	Unbiased	188.07	190.09	2.0217
12	10	Unbiased	185.59	189.39	3.792
13	10	Unbiased	180.51	181.63	1.1224
14	10	Unbiased	183.1	186.65	3.5501
15	10	Unbiased	181.96	182.42	0.4612
16	10	Unbiased	189.85	190.13	0.2776
17	10	Biased	181.25	182.63	1.3791
18	10	Biased	182.16	183.72	1.5545
19	10	Biased	182.91	184.59	1.6825
20	10	Biased	184.39	186.31	1.9288
21	10	Biased	185.74	185.65	-0.0888
22	30	Biased	184.01	190.89	6.8823
23	30	Biased	178.39	183.88	5.4976
24	30	Biased	183.2	186.11	2.9082
25	30	Biased	181.72	188.11	6.394
26	30	Biased	185.65	193.27	7.6211
27	30	Unbiased	182.44	183.71	1.2673
28	30	Unbiased	187.42	190.56	3.1341
29	30	Unbiased	183.54	187.33	3.7886
30	30	Unbiased	179.73	181.85	2.1139
31	30	Unbiased	180.95	186.19	5.2366
32	50	Biased	187.38	193.87	6.4906
33	50	Biased	183.28	191.05	7.7712
34	50	Biased	180.28	188.6	8.3125
35	50	Biased	179.28	185.68	6.395
36	50	Biased	188.53	195.64	7.1013
37	50	Unbiased	178.16	185.03	6.8696
39	50	Unbiased	184.3	193.6	9.3
40	50	Unbiased	177.59	186.06	8.4702
41	50	Unbiased	185.02	194.57	9.5498
42	50	Unbiased	185.81	194.47	8.6581
43	100	Biased	177.1	187.81	10.704
44	100	Biased	183.64	192.79	9.1527
45	100	Biased	178.6	191.15	12.558
46	100	Biased	179.13	185.58	6.4526
47	100	Biased	191.28	203	11.72
48	100	Unbiased	183.17	196.52	13.352
49	100	Unbiased	178.96	191.96	12.999
50	100	Unbiased	179.05	190.68	11.629
51	100	Unbiased	183.99	197.04	13.053
52	100	Unbiased	179.98	188.42	8.4342
53	0	Correlation	190.26	189.79	-0.4696
54	0	Correlation	183.77	184.46	0.687
55	0	Correlation	185.62	186.24	0.6258
56	0	Correlation	181.14	180.89	-0.2515

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	181.14	185.2	190.26	3.8407	180.89	185.34	189.79	3.7046	-0.4696	0.14793	0.687	0.59437
3	176.59	181.87	188.07	3.1938	178.69	183.8	190.09	2.9087	-0.7499	1.9262	3.6508	1.5159
10	180.51	183.75	189.85	2.7609	181.63	185.31	190.13	2.8847	-0.0888	1.5659	3.792	1.2862
30	178.39	182.7	187.42	2.691	181.85	187.19	193.27	3.5994	1.2673	4.4844	7.6211	2.1496
50	177.59	182.96	188.53	3.9072	185.03	190.85	195.64	4.152	6.395	7.8918	9.5498	1.1411
100	177.1	181.49	191.28	4.1816	185.58	192.5	203	5.1547	6.4526	11.005	13.352	2.3056

Device Test: 19.46; RESET_SLEW_RATE_FALL





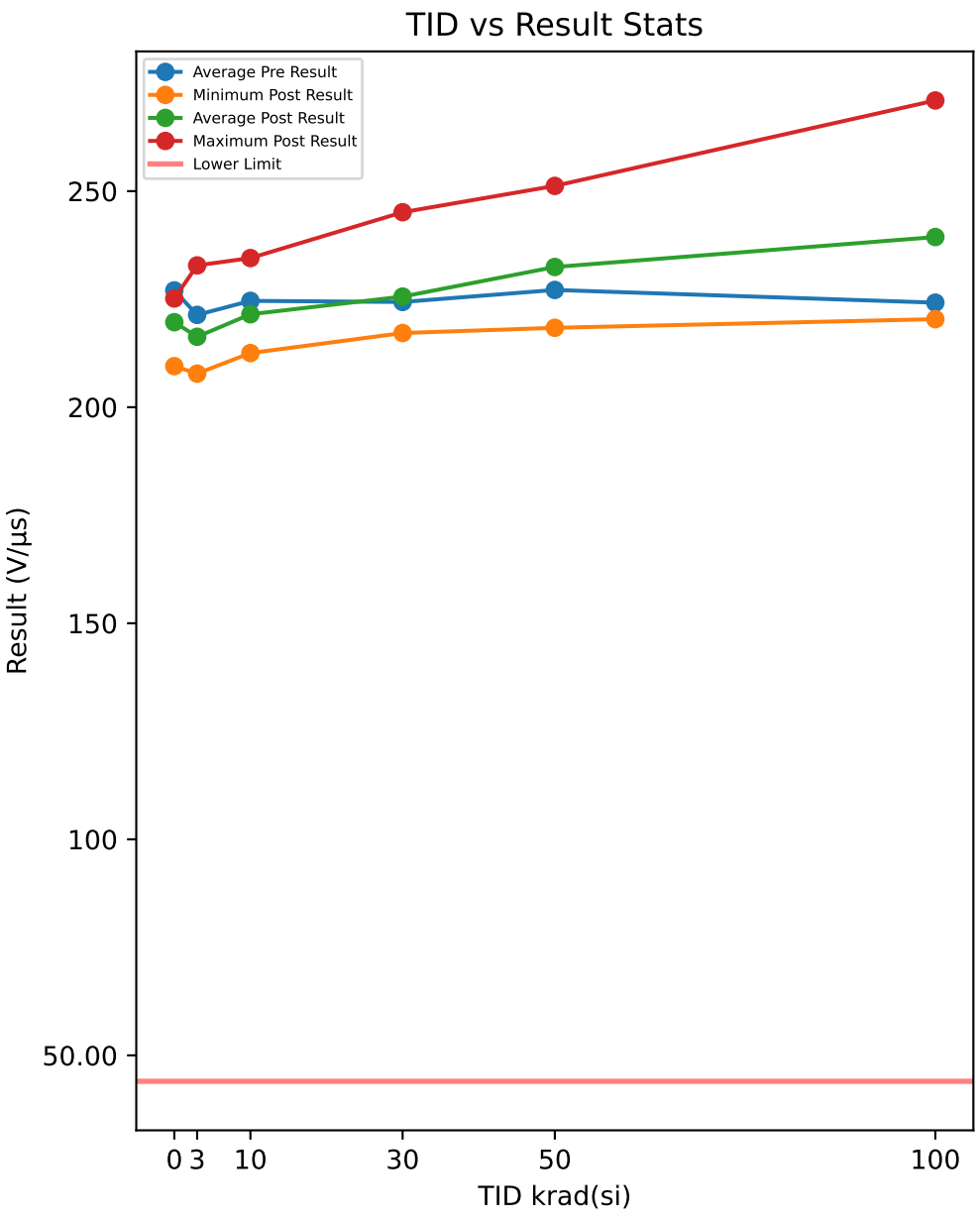
Test Results (Lower Limit = 44.0 (V/µs))

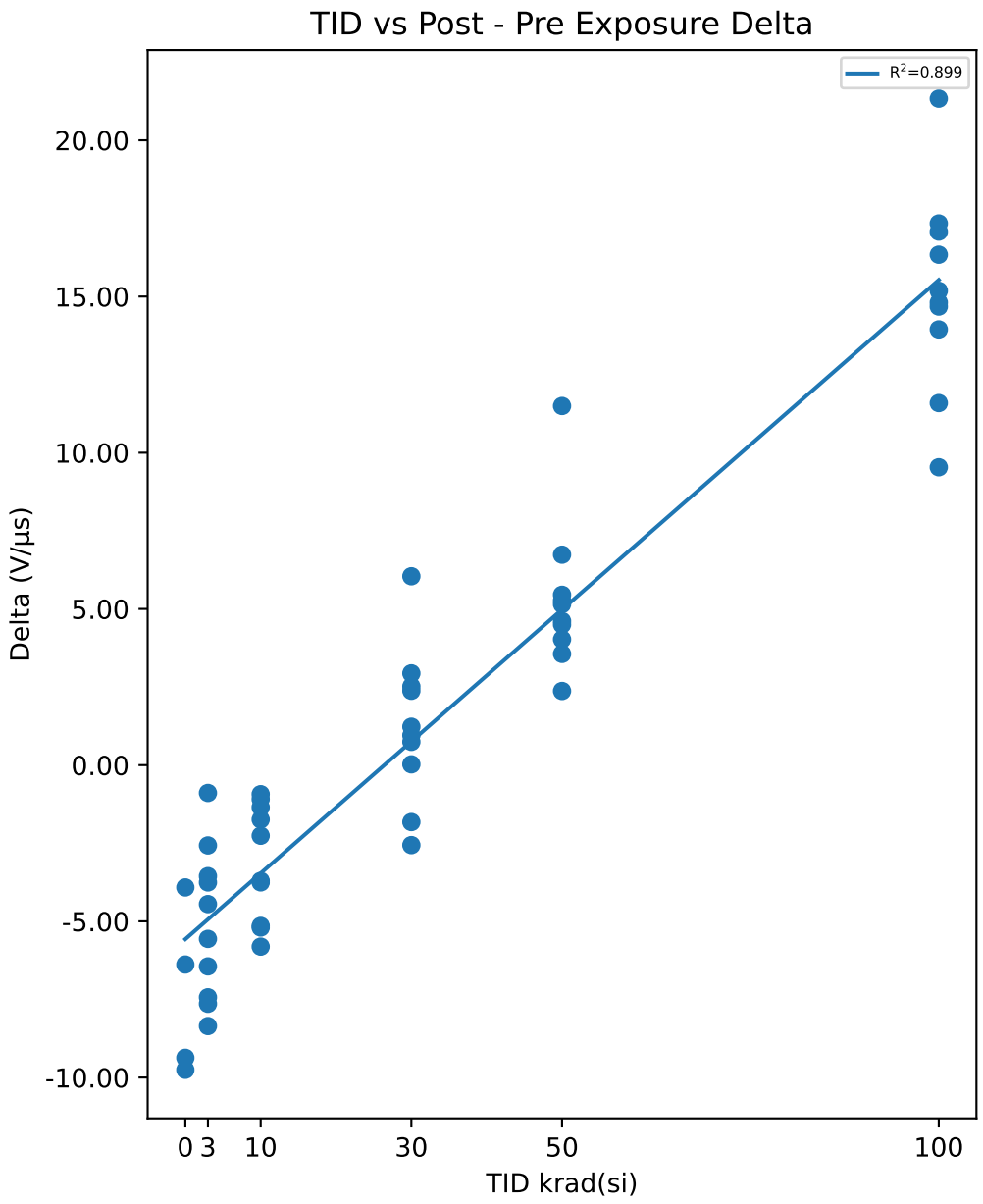
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	214.12	206.81	-7.3058
3	3	Biased	212.15	209.23	-2.9148
4	3	Biased	210.78	207.17	-3.6152
5	3	Biased	210.26	206.67	-3.5878
6	3	Biased	211.42	208.22	-3.2057
7	3	Unbiased	209.33	205.88	-3.4476
8	3	Unbiased	210.74	209.27	-1.4653
9	3	Unbiased	204.73	202.69	-2.0421
10	3	Unbiased	209	205.98	-3.0205
11	3	Unbiased	218.45	214.05	-4.4006
12	10	Unbiased	215.03	214.16	-0.8765
13	10	Unbiased	209.02	207.65	-1.3674
14	10	Unbiased	213.2	211.48	-1.7126
15	10	Unbiased	209.09	208.26	-0.8256
16	10	Unbiased	217.13	214.57	-2.5619
17	10	Biased	209.95	205.96	-3.982
18	10	Biased	208.1	207.03	-1.069
19	10	Biased	209.71	207.76	-1.951
20	10	Biased	215	210.94	-4.0604
21	10	Biased	212.69	210	-2.6894
22	30	Biased	218.42	218.04	-0.374
23	30	Biased	207.74	207.95	0.2037
24	30	Biased	212.16	210.64	-1.5243
25	30	Biased	210.88	211.33	0.447
26	30	Biased	220.14	218.82	-1.3171
27	30	Unbiased	208.47	209.39	0.9132
28	30	Unbiased	218.11	215.78	-2.3317
29	30	Unbiased	211.36	212.38	1.0169
30	30	Unbiased	207.83	209.22	1.3913
31	30	Unbiased	210.51	208.42	-2.093
32	50	Biased	218.25	218.42	0.1605
33	50	Biased	213.06	215.23	2.1713
34	50	Biased	211.91	212.96	1.0474
35	50	Biased	207.82	211.34	3.5189
36	50	Biased	221.24	219.29	-1.953
37	50	Unbiased	211.54	210.94	-0.594
39	50	Unbiased	218.55	217.7	-0.8503
40	50	Unbiased	207.12	209.08	1.961
41	50	Unbiased	220.78	220.27	-0.513
42	50	Unbiased	218.9	219.16	0.2591
43	100	Biased	209.82	211.92	2.0991
44	100	Biased	214.06	219.68	5.6173
45	100	Biased	211.16	216.98	5.8224
46	100	Biased	204.95	211.37	6.4172
47	100	Biased	219.38	222.59	3.2061
48	100	Unbiased	212.96	220.94	7.9792
49	100	Unbiased	206.73	213.77	7.0344
50	100	Unbiased	208.59	216.09	7.4936
51	100	Unbiased	208.7	215.7	7.0013
52	100	Unbiased	208.17	212.5	4.3274
53	0	Correlation	216.11	215.08	-1.0261
54	0	Correlation	214.84	208.78	-6.0544
55	0	Correlation	215.55	209.52	-6.0265
56	0	Correlation	205.82	204.99	-0.8256

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	205.82	213.08	216.11	4.8681	204.99	209.6	215.08	4.1625	-6.0544	-3.4832	-0.8256	2.9541
3	204.73	211.1	218.45	3.5486	202.69	207.6	214.05	2.958	-7.3058	-3.5005	-1.4653	1.5721
10	208.1	211.89	217.13	3.1334	205.96	209.78	214.57	2.9706	-4.0604	-2.1096	-0.8256	1.1943
30	207.74	212.56	220.14	4.6359	207.95	212.2	218.82	3.989	-2.3317	-0.3668	1.3913	1.3628
50	207.12	214.92	221.24	5.2671	209.08	215.44	220.27	4.0775	-1.953	0.52079	3.5189	1.6524
100	204.95	210.45	219.38	4.1601	211.37	216.15	222.59	3.9088	2.0991	5.6998	7.9792	1.9291

Device Test: 19.47; PWRGD_SLEW_RATE_FALL





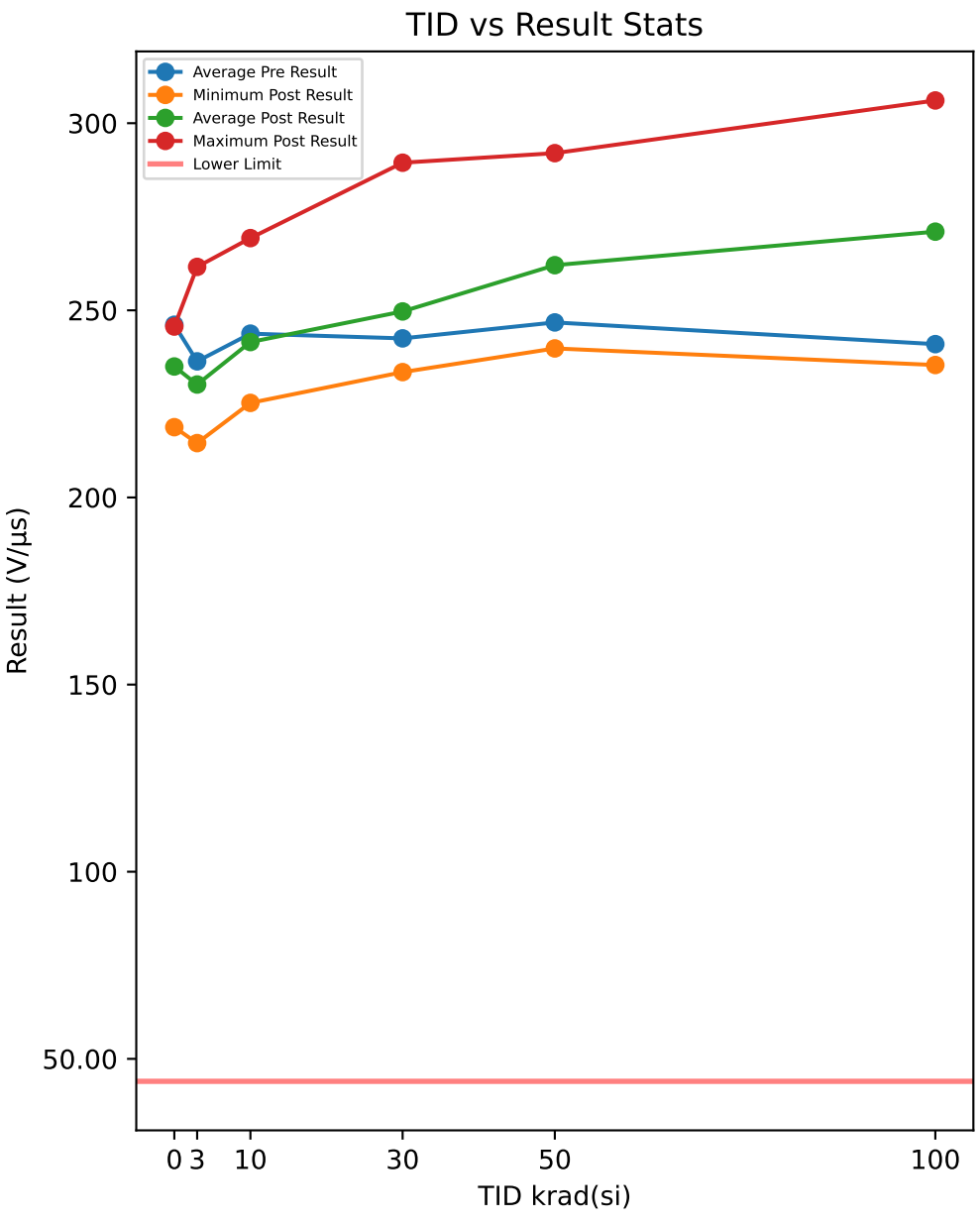
Test Results (Lower Limit = 44.0 (V/µs))

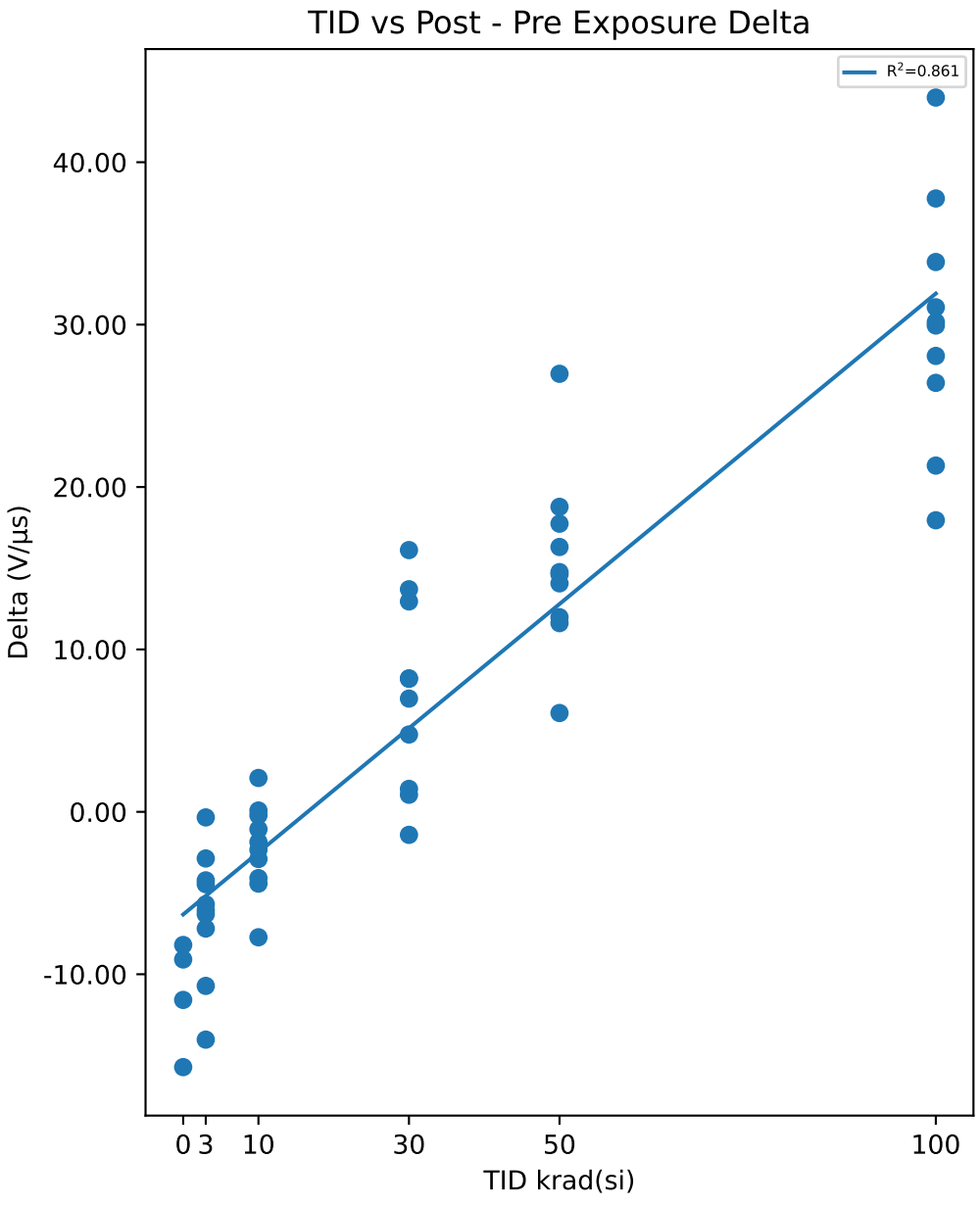
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	217.89	213.44	-4.4484
3	3	Biased	227.09	223.33	-3.7552
4	3	Biased	227.84	219.49	-8.3528
5	3	Biased	215.99	210.43	-5.5616
6	3	Biased	226.64	220.2	-6.4424
7	3	Unbiased	215.49	212.92	-2.5703
8	3	Unbiased	216.71	213.16	-3.5535
9	3	Unbiased	208.66	207.77	-0.8908
10	3	Unbiased	216.83	209.4	-7.4317
11	3	Unbiased	240.45	232.81	-7.6396
12	10	Unbiased	231.21	227.5	-3.705
13	10	Unbiased	216.28	212.53	-3.7532
14	10	Unbiased	239.71	234.51	-5.1974
15	10	Unbiased	218.48	217.38	-1.0912
16	10	Unbiased	237.54	232.4	-5.1466
17	10	Biased	215.81	214.88	-0.93
18	10	Biased	223.01	220.75	-2.2599
19	10	Biased	217.73	216.38	-1.3488
20	10	Biased	220.96	219.22	-1.7402
21	10	Biased	225.36	219.55	-5.8095
22	30	Biased	242.18	245.12	2.9376
23	30	Biased	216.21	217.16	0.9551
24	30	Biased	219.18	217.36	-1.8226
25	30	Biased	223.26	224.49	1.2289
26	30	Biased	228.01	228.76	0.7447
27	30	Unbiased	222.21	219.65	-2.5599
28	30	Unbiased	233.24	239.28	6.0458
29	30	Unbiased	221.83	221.86	0.0253
30	30	Unbiased	215.08	217.46	2.3797
31	30	Unbiased	222.31	224.83	2.5182
32	50	Biased	241.59	245.62	4.0263
33	50	Biased	219.4	224.01	4.6116
34	50	Biased	219.34	224.49	5.1508
35	50	Biased	220.2	223.76	3.5597
36	50	Biased	232.7	235.08	2.3728
37	50	Unbiased	213.75	220.48	6.7363
39	50	Unbiased	239.72	251.21	11.496
40	50	Unbiased	213.87	218.37	4.4993
41	50	Unbiased	241.31	246.76	5.4524
42	50	Unbiased	229.44	234.71	5.263
43	100	Biased	219.09	230.68	11.589
44	100	Biased	230.8	248.14	17.337
45	100	Biased	215.82	230.63	14.808
46	100	Biased	210.84	220.37	9.535
47	100	Biased	249.65	270.99	21.334
48	100	Unbiased	226.6	241.28	14.679
49	100	Unbiased	220.05	234	13.947
50	100	Unbiased	213.41	228.6	15.182
51	100	Unbiased	241.22	258.3	17.077
52	100	Unbiased	214.45	230.79	16.338
53	0	Correlation	234.53	225.16	-9.3695
54	0	Correlation	229.08	219.33	-9.7525
55	0	Correlation	231.09	224.71	-6.3825
56	0	Correlation	213.41	209.5	-3.9148

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	213.41	227.03	234.53	9.3504	209.5	219.67	225.16	7.282	-9.7525	-7.3548	-3.9148	2.7439
3	208.66	221.36	240.45	9.1033	207.77	216.3	232.81	7.6863	-8.3528	-5.0646	-0.8908	2.4315
10	215.81	224.61	239.71	8.7365	212.53	221.51	234.51	7.4616	-5.8095	-3.0982	-0.93	1.8585
30	215.08	224.35	242.18	8.2027	217.16	225.6	245.12	9.6308	-2.5599	1.2453	6.0458	2.4615
50	213.75	227.13	241.59	11.198	218.37	232.45	251.21	11.99	2.3728	5.3168	11.496	2.4682
100	210.84	224.2	249.65	12.869	220.37	239.38	270.99	15.528	9.535	15.183	21.334	3.234

Device Test: 19.48; WDO_SLEW_RATE_FALL





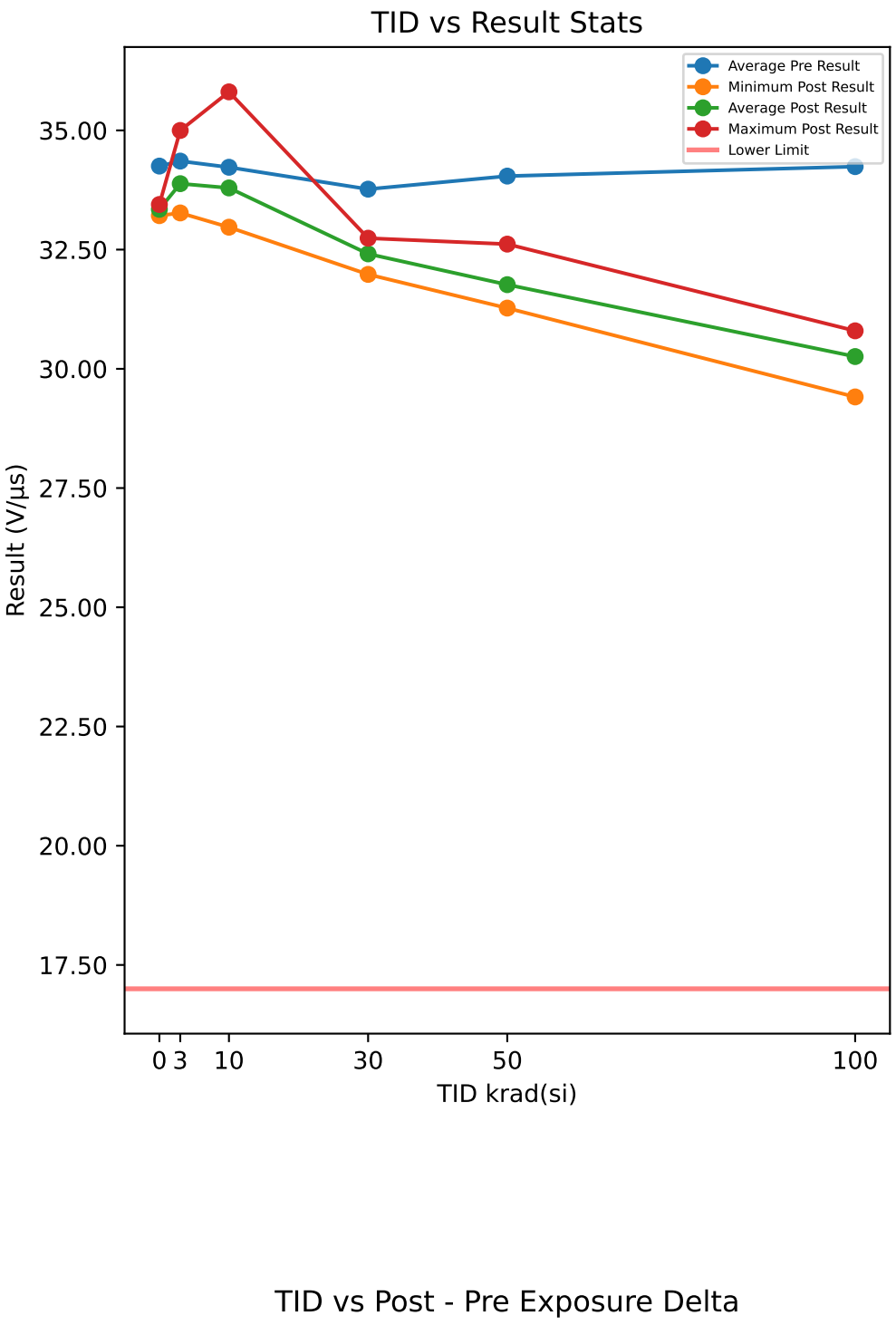
Test Results (Lower Limit = 44.0 (V/µs))

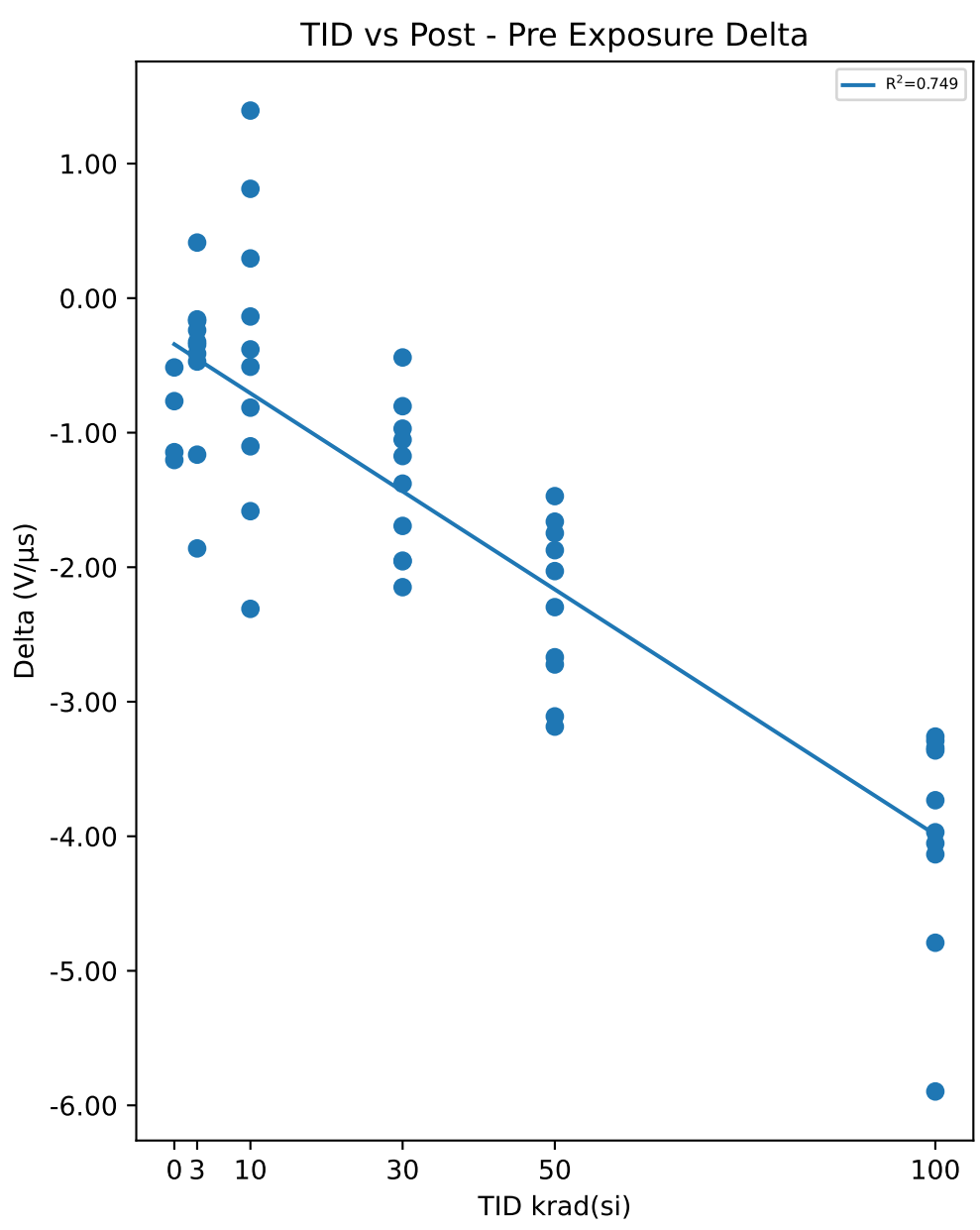
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	238.2	227.48	-10.718
3	3	Biased	249.46	245.01	-4.4515
4	3	Biased	239.82	234.13	-5.6949
5	3	Biased	220.95	220.6	-0.3435
6	3	Biased	244.75	230.72	-14.026
7	3	Unbiased	223.26	220.39	-2.8718
8	3	Unbiased	230.98	226.76	-4.22
9	3	Unbiased	220.82	214.52	-6.3014
10	3	Unbiased	227.71	220.53	-7.1853
11	3	Unbiased	267.67	261.6	-6.0673
12	10	Unbiased	264.05	256.33	-7.7233
13	10	Unbiased	232.89	231.03	-1.8581
14	10	Unbiased	267.21	269.3	2.0858
15	10	Unbiased	236.84	232.76	-4.0811
16	10	Unbiased	257.18	256.11	-1.071
17	10	Biased	225.19	225.27	0.0797
18	10	Biased	233.36	233.15	-0.2127
19	10	Biased	228.79	225.89	-2.9043
20	10	Biased	245.44	241.02	-4.4196
21	10	Biased	246.72	244.38	-2.3356
22	30	Biased	273.32	289.44	16.117
23	30	Biased	233.35	234.76	1.4132
24	30	Biased	237.7	245.92	8.2199
25	30	Biased	235.71	248.67	12.956
26	30	Biased	239.72	253.43	13.705
27	30	Unbiased	233.37	240.34	6.9729
28	30	Unbiased	258.1	266.29	8.1912
29	30	Unbiased	240.51	241.57	1.053
30	30	Unbiased	234.91	233.49	-1.4172
31	30	Unbiased	238.33	243.09	4.7612
32	50	Biased	269.02	286.76	17.742
33	50	Biased	236.19	250.95	14.76
34	50	Biased	240.7	252.32	11.619
35	50	Biased	238.2	256.98	18.78
36	50	Biased	250.31	266.61	16.308
37	50	Unbiased	233.74	239.82	6.0848
39	50	Unbiased	265.02	291.99	26.971
40	50	Unbiased	227.63	242.25	14.619
41	50	Unbiased	267.45	279.43	11.984
42	50	Unbiased	239.41	253.48	14.069
43	100	Biased	235.09	263.16	28.073
44	100	Biased	257.93	291.79	33.855
45	100	Biased	227.15	271.14	43.982
46	100	Biased	217.44	235.39	17.953
47	100	Biased	279.66	306.07	26.413
48	100	Unbiased	247.57	277.73	30.16
49	100	Unbiased	229.42	259.36	29.945
50	100	Unbiased	226.36	247.68	21.32
51	100	Unbiased	258.14	295.9	37.766
52	100	Unbiased	230.91	261.98	31.065
53	0	Correlation	253.86	245.66	-8.1989
54	0	Correlation	252.34	236.62	-15.718
55	0	Correlation	250.49	238.91	-11.581
56	0	Correlation	227.87	218.78	-9.0909

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	227.87	246.14	253.86	12.261	218.78	234.99	245.66	11.473	-15.718	-11.147	-8.1989	3.3668
3	220.82	236.36	267.67	14.877	214.52	230.18	261.6	14.016	-14.026	-6.188	-0.3435	3.8769
10	225.19	243.77	267.21	14.895	225.27	241.52	269.3	14.824	-7.7233	-2.244	2.0858	2.7563
30	233.35	242.5	273.32	12.98	233.49	249.7	289.44	16.889	-1.4172	7.1973	16.117	5.8549
50	227.63	246.77	269.02	15.205	239.82	262.06	291.99	18.358	6.0848	15.294	26.971	5.4472
100	217.44	240.97	279.66	19.295	235.39	271.02	306.07	22.157	17.953	30.053	43.982	7.5194

Device Test: 19.5; PWRGD_SLEW_RATE_RISE





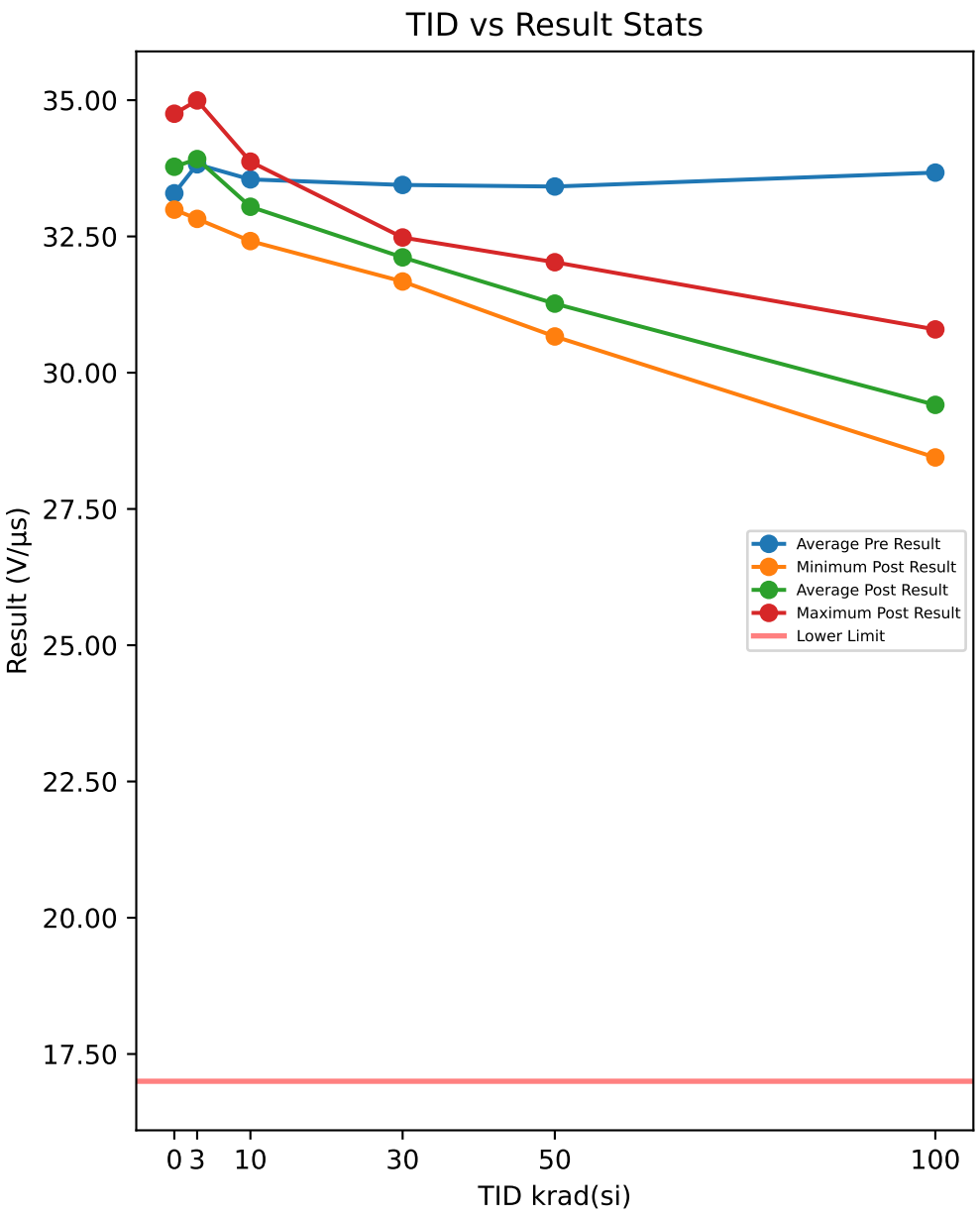
Test Results (Lower Limit = 17.0 (V/µs))

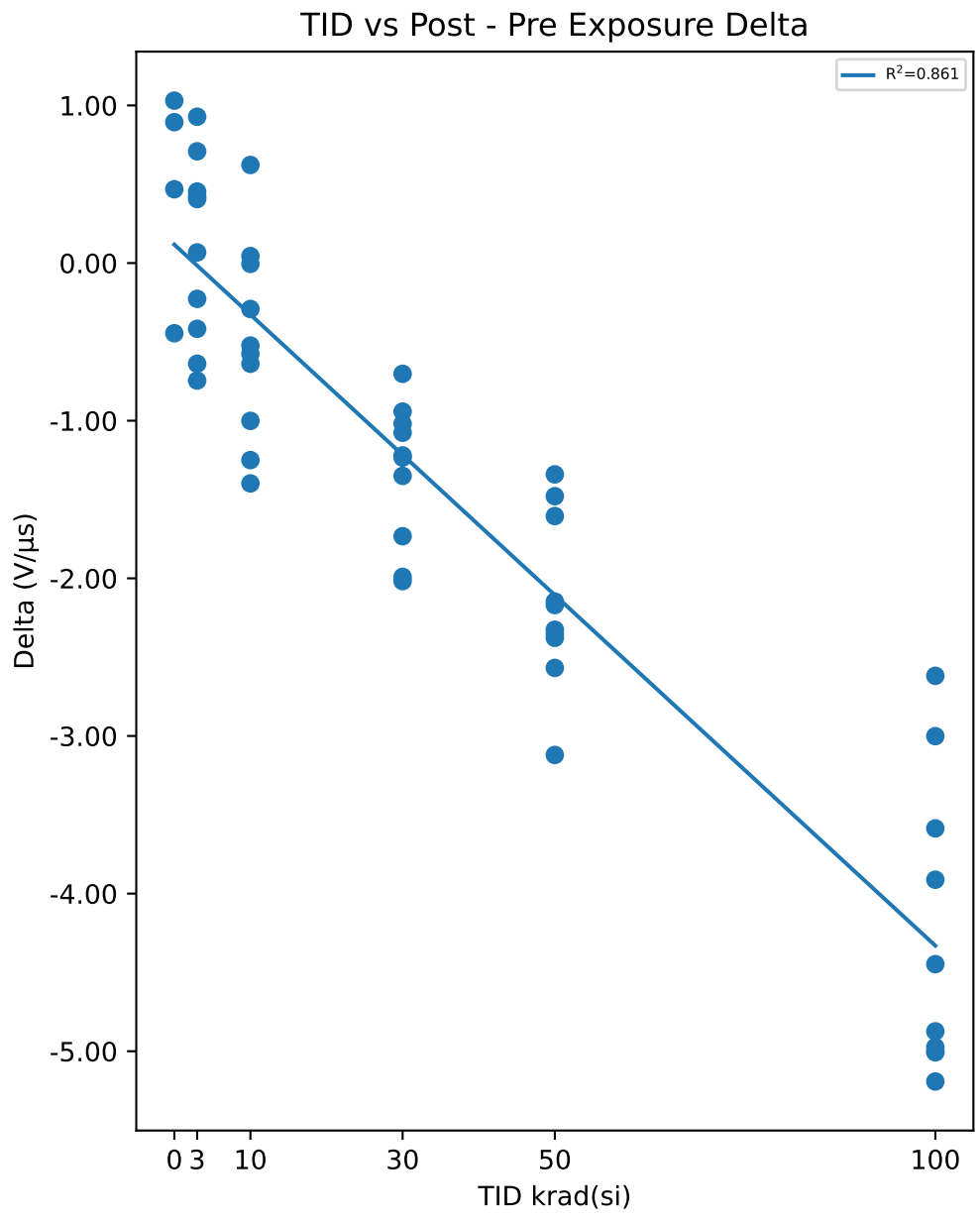
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	35.335	33.474	-1.8605
3	3	Biased	33.933	33.776	-0.1579
4	3	Biased	34.999	34.528	-0.4715
5	3	Biased	34.585	34.998	0.4131
6	3	Biased	33.934	33.521	-0.4124
7	3	Unbiased	33.593	33.269	-0.3245
8	3	Unbiased	34.207	34.037	-0.1697
9	3	Unbiased	33.952	33.713	-0.2387
10	3	Unbiased	34.953	33.79	-1.1634
11	3	Unbiased	34.067	33.721	-0.3456
12	10	Unbiased	33.435	33.054	-0.381
13	10	Unbiased	34.044	34.339	0.295
14	10	Unbiased	33.99	33.176	-0.814
15	10	Unbiased	34.553	32.97	-1.5834
16	10	Unbiased	34.295	33.193	-1.1015
17	10	Biased	33.614	33.477	-0.1366
18	10	Biased	33.646	34.458	0.8126
19	10	Biased	34.414	35.808	1.3942
20	10	Biased	34.944	34.434	-0.5101
21	10	Biased	35.334	33.025	-2.3096
22	30	Biased	34.312	32.163	-2.1485
23	30	Biased	33.274	32.304	-0.9699
24	30	Biased	33.359	31.98	-1.3788
25	30	Biased	34.312	32.619	-1.6931
26	30	Biased	33.507	32.704	-0.8032
27	30	Unbiased	34.695	32.739	-1.956
28	30	Unbiased	33.621	32.448	-1.1737
29	30	Unbiased	33.557	32.504	-1.0526
30	30	Unbiased	34.093	32.142	-1.9513
31	30	Unbiased	32.946	32.505	-0.441
32	50	Biased	34.447	31.778	-2.6693
33	50	Biased	34.578	31.855	-2.7232
34	50	Biased	32.745	31.274	-1.4717
35	50	Biased	33.662	31.365	-2.2969
36	50	Biased	34.691	31.582	-3.1089
37	50	Unbiased	34.763	31.578	-3.185
39	50	Unbiased	34.276	32.615	-1.6613
40	50	Unbiased	33.784	32.037	-1.747
41	50	Unbiased	33.588	31.715	-1.8735
42	50	Unbiased	33.88	31.852	-2.029
43	100	Biased	34.139	30.797	-3.3421
44	100	Biased	34.681	30.546	-4.1342
45	100	Biased	33.637	30.275	-3.3622
46	100	Biased	33.432	30.142	-3.2893
47	100	Biased	34.282	30.55	-3.7321
48	100	Unbiased	35.331	30.54	-4.7914
49	100	Unbiased	34.011	30.041	-3.9702
50	100	Unbiased	33.291	30.032	-3.2588
51	100	Unbiased	35.308	29.411	-5.8969
52	100	Unbiased	34.291	30.239	-4.0522
53	0	Correlation	34.416	33.212	-1.2033
54	0	Correlation	34.42	33.276	-1.1449
55	0	Correlation	34.212	33.446	-0.7656
56	0	Correlation	33.958	33.443	-0.5152

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	33.958	34.251	34.42	0.21831	33.212	33.344	33.446	0.11876	-1.2033	-0.90725	-0.5152	0.32552
3	33.593	34.356	35.335	0.57622	33.269	33.883	34.998	0.51998	-1.8605	-0.47311	0.4131	0.62139
10	33.435	34.227	35.334	0.6072	32.97	33.793	35.808	0.93483	-2.3096	-0.43344	1.3942	1.1032
30	32.946	33.768	34.695	0.55572	31.98	32.411	32.739	0.25526	-2.1485	-1.3568	-0.441	0.56507
50	32.745	34.042	34.763	0.63	31.274	31.765	32.615	0.37785	-3.185	-2.2766	-1.4717	0.61488
100	33.291	34.24	35.331	0.70788	29.411	30.257	30.797	0.38994	-5.8969	-3.9829	-3.2588	0.8306

Device Test: 19.6; WDO_SLEW_RATE_RISE





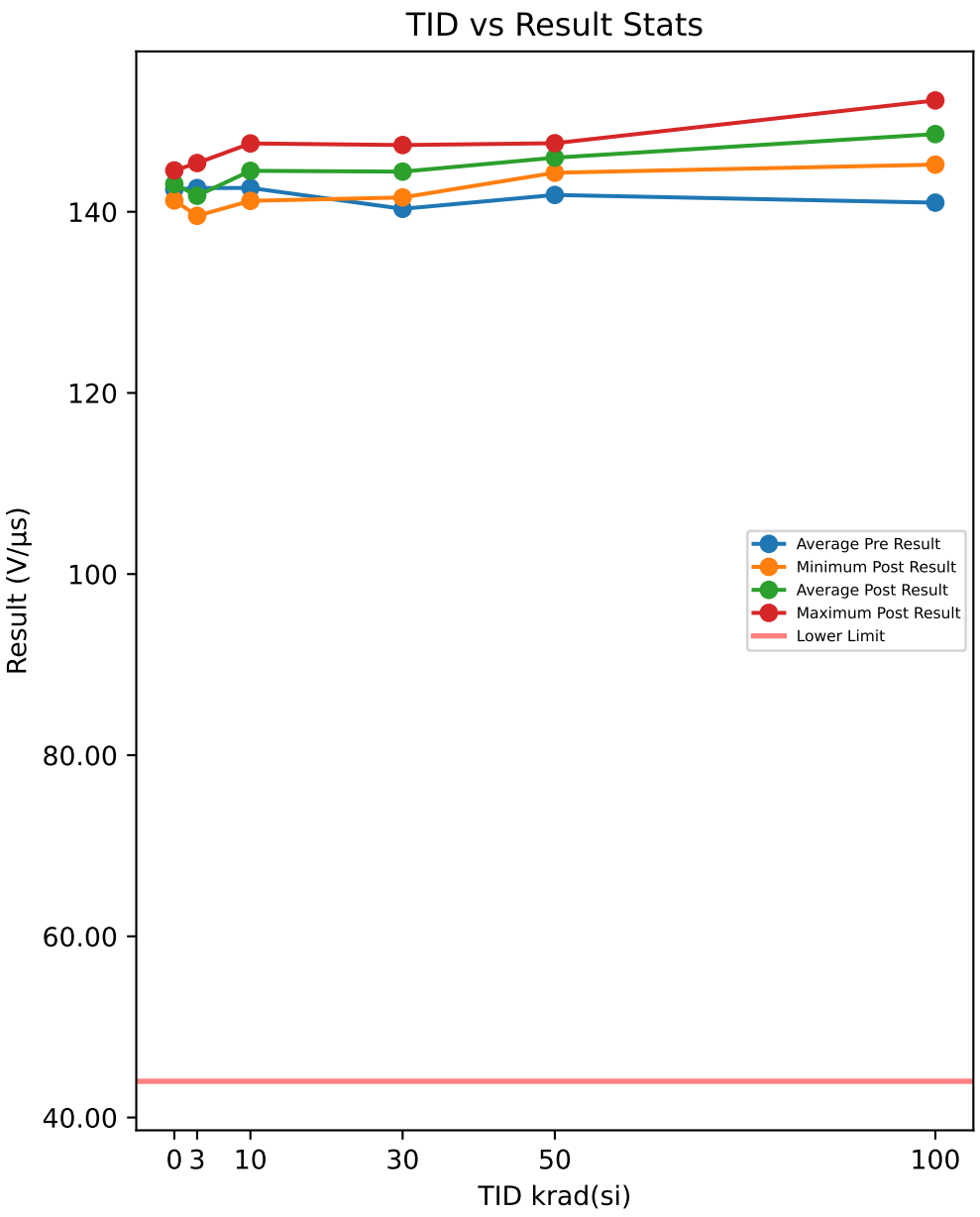
Test Results (Lower Limit = 17.0 (V/µs))

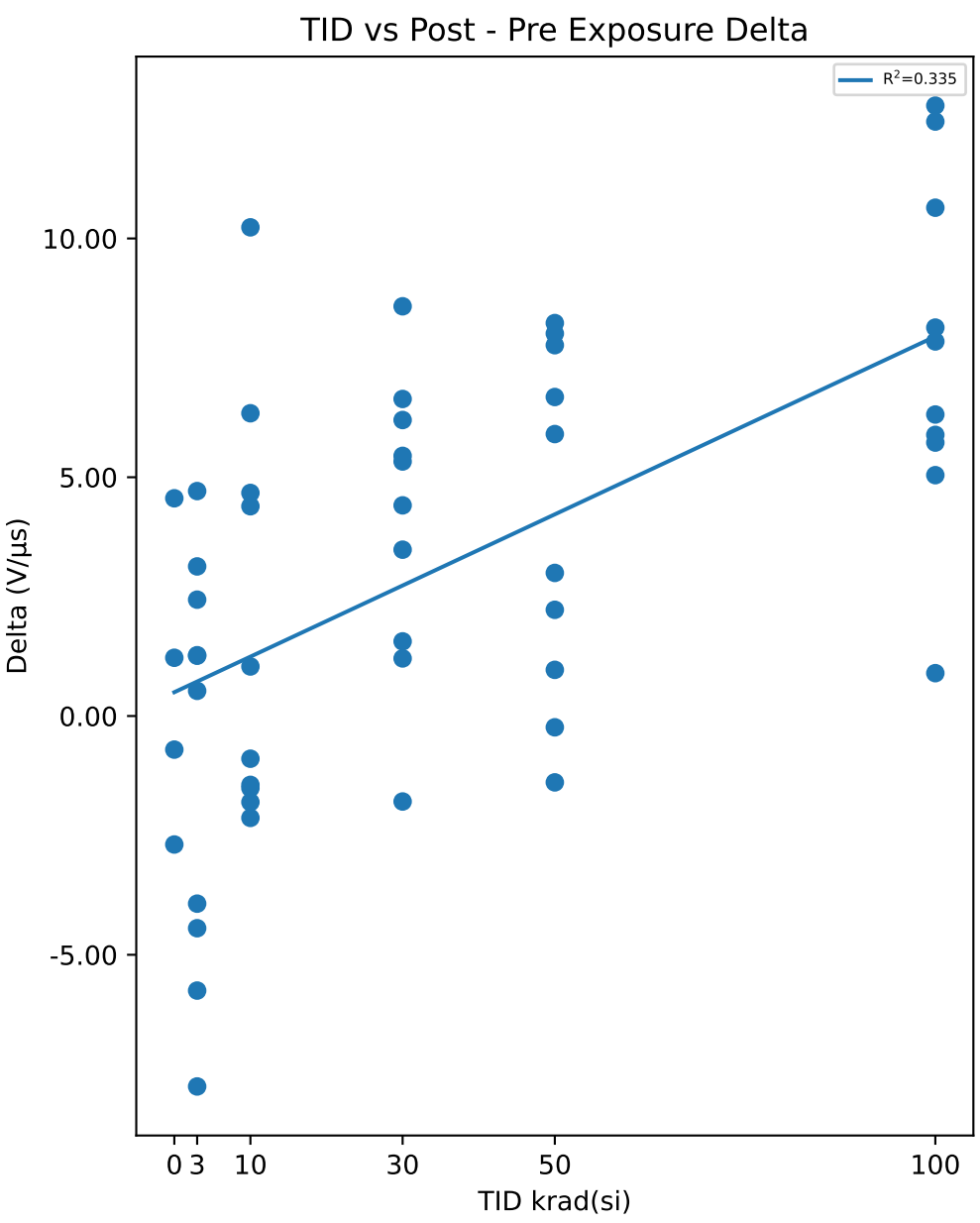
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	33.654	34.108	0.4538
3	3	Biased	33.633	34.562	0.9284
4	3	Biased	34.589	34.995	0.4061
5	3	Biased	33.202	32.975	-0.227
6	3	Biased	34.372	33.626	-0.7454
7	3	Unbiased	33.239	32.822	-0.4172
8	3	Unbiased	33.474	33.541	0.0676
9	3	Unbiased	33.964	34.673	0.709
10	3	Unbiased	34.233	34.658	0.4247
11	3	Unbiased	33.874	33.236	-0.6384
12	10	Unbiased	33.899	33.26	-0.6388
13	10	Unbiased	33.859	32.609	-1.2499
14	10	Unbiased	33.054	32.762	-0.2914
15	10	Unbiased	33.019	33.642	0.6222
16	10	Unbiased	33.103	32.528	-0.5757
17	10	Biased	34.396	33.872	-0.5233
18	10	Biased	33.416	32.415	-1.001
19	10	Biased	33.346	33.39	0.0443
20	10	Biased	34.059	32.661	-1.3979
21	10	Biased	33.313	33.307	-0.0052
22	30	Biased	33.108	32.166	-0.9425
23	30	Biased	32.695	31.993	-0.7026
24	30	Biased	32.907	31.673	-1.2339
25	30	Biased	33.701	32.48	-1.2203
26	30	Biased	33.402	32.325	-1.0763
27	30	Unbiased	33.486	32.136	-1.35
28	30	Unbiased	33.42	32.401	-1.0193
29	30	Unbiased	33.661	31.928	-1.7328
30	30	Unbiased	33.913	31.922	-1.9908
31	30	Unbiased	34.154	32.136	-2.0178
32	50	Biased	33.655	31.303	-2.3514
33	50	Biased	33.544	31.166	-2.3775
34	50	Biased	33.212	31.065	-2.1473
35	50	Biased	33.357	31.188	-2.1695
36	50	Biased	33.321	30.753	-2.5681
37	50	Unbiased	32.991	30.665	-2.3262
39	50	Unbiased	34.577	31.457	-3.1206
40	50	Unbiased	33.505	32.027	-1.4788
41	50	Unbiased	32.752	31.411	-1.3407
42	50	Unbiased	33.243	31.638	-1.605
43	100	Biased	34.079	28.887	-5.1919
44	100	Biased	33.682	30.68	-3.0012
45	100	Biased	33.843	28.97	-4.8738
46	100	Biased	34.231	29.224	-5.0069
47	100	Biased	33.682	28.708	-4.9738
48	100	Unbiased	33.917	30.006	-3.9119
49	100	Unbiased	33.304	29.718	-3.5864
50	100	Unbiased	33.666	28.663	-5.0028
51	100	Unbiased	33.412	30.794	-2.6183
52	100	Unbiased	32.892	28.445	-4.4475
53	0	Correlation	33.147	34.041	0.8938
54	0	Correlation	32.523	32.992	0.4683
55	0	Correlation	33.774	33.329	-0.4453
56	0	Correlation	33.721	34.752	1.0303

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	32.523	33.291	33.774	0.58565	32.992	33.778	34.752	0.78248	-0.4453	0.48677	1.0303	0.66588
3	33.202	33.823	34.589	0.47038	32.822	33.92	34.995	0.78249	-0.7454	0.09616	0.9284	0.57895
10	33.019	33.546	34.396	0.47545	32.415	33.045	33.872	0.51174	-1.3979	-0.50167	0.6222	0.62263
30	32.695	33.445	34.154	0.44756	31.673	32.116	32.48	0.24611	-2.0178	-1.3286	-0.7026	0.447
50	32.752	33.416	34.577	0.48715	30.665	31.267	32.027	0.40248	-3.1206	-2.1485	-1.3407	0.54192
100	32.892	33.671	34.231	0.39138	28.445	29.41	30.794	0.84735	-5.1919	-4.2614	-2.6183	0.92821

Device Test: 19.7; RESET_SLEW_RATE_FALL





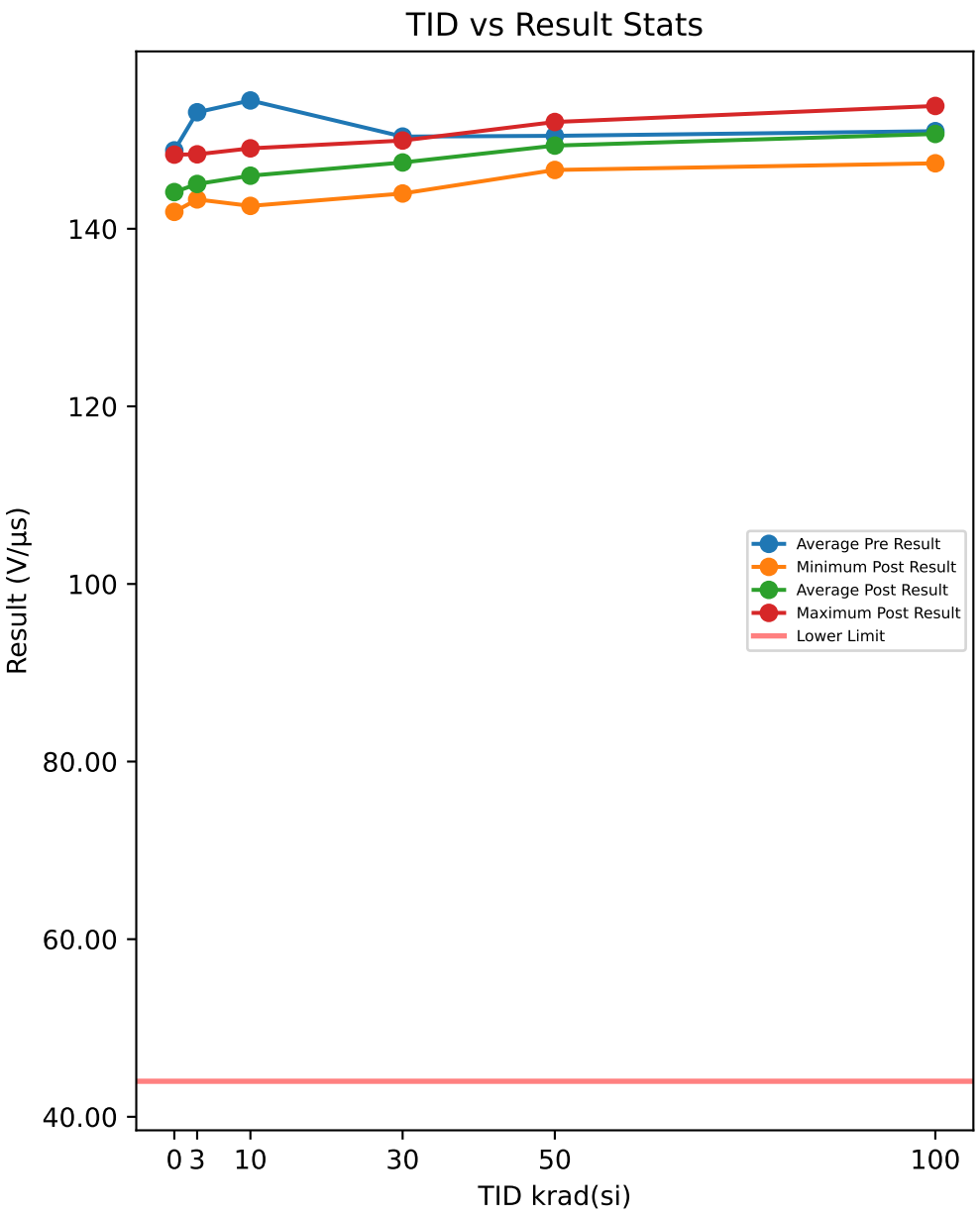
Test Results (Lower Limit = 44.0 (V/µs))

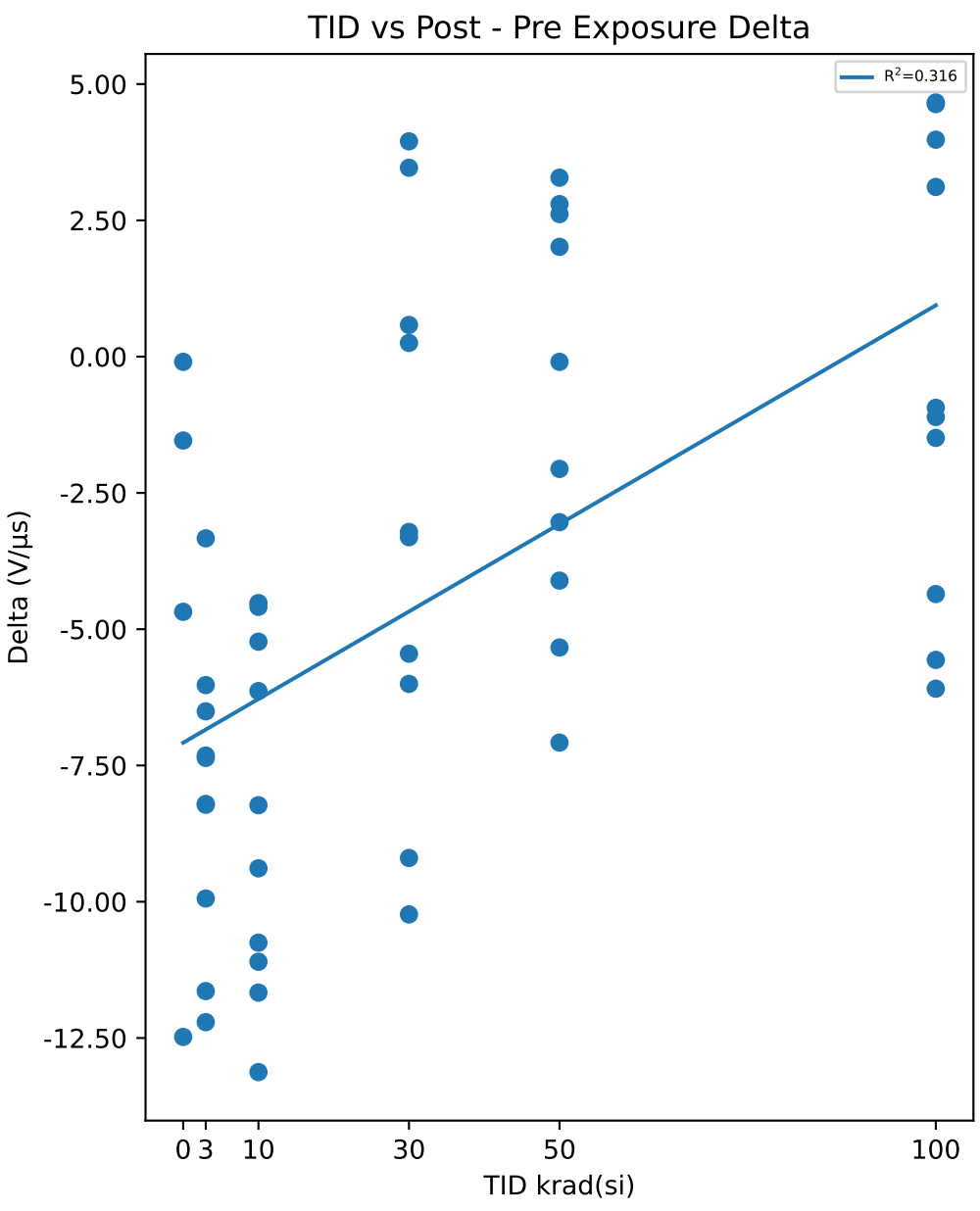
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	140.01	140.54	0.527
3	3	Biased	142.15	143.42	1.2728
4	3	Biased	136.2	140.91	4.7103
5	3	Biased	136.42	139.55	3.1324
6	3	Biased	142.94	145.38	2.4365
7	3	Unbiased	141.33	142.6	1.2629
8	3	Unbiased	147.93	140.17	-7.7574
9	3	Unbiased	144.46	140.53	-3.9293
10	3	Unbiased	149.75	144	-5.7495
11	3	Unbiased	145	140.56	-4.4438
12	10	Unbiased	142.72	141.21	-1.5091
13	10	Unbiased	146.35	147.39	1.0372
14	10	Unbiased	143.58	142.69	-0.8942
15	10	Unbiased	136.14	142.48	6.3397
16	10	Unbiased	137.31	147.55	10.233
17	10	Biased	146.13	143.99	-2.1333
18	10	Biased	137.42	142.1	4.6715
19	10	Biased	147.4	145.96	-1.4419
20	10	Biased	147.39	145.59	-1.8033
21	10	Biased	141.89	146.28	4.3926
22	30	Biased	136.95	142.4	5.4475
23	30	Biased	142.96	147.37	4.4111
24	30	Biased	136.25	141.58	5.3297
25	30	Biased	138.06	144.7	6.6389
26	30	Biased	140.26	143.75	3.4831
27	30	Unbiased	142.98	144.19	1.206
28	30	Unbiased	144.29	145.86	1.5628
29	30	Unbiased	135.32	143.9	8.5797
30	30	Unbiased	146.69	144.9	-1.7904
31	30	Unbiased	139.51	145.7	6.1984
32	50	Biased	145.56	146.52	0.9668
33	50	Biased	139.34	147.57	8.2283
34	50	Biased	146.57	145.18	-1.3898
35	50	Biased	140.53	146.43	5.9042
36	50	Biased	138.88	146.64	7.765
37	50	Unbiased	137.63	144.31	6.6801
39	50	Unbiased	141.51	144.51	2.9964
40	50	Unbiased	138.01	146.02	8.0093
41	50	Unbiased	145.37	145.13	-0.2365
42	50	Unbiased	145.19	147.42	2.224
43	100	Biased	139.09	151.54	12.448
44	100	Biased	146.41	152.29	5.8874
45	100	Biased	137.08	145.21	8.1337
46	100	Biased	133.69	146.48	12.782
47	100	Biased	140.59	151.23	10.644
48	100	Unbiased	144.29	150.61	6.3135
49	100	Unbiased	141.73	146.78	5.0436
50	100	Unbiased	142.29	148.01	5.7257
51	100	Unbiased	146.25	147.14	0.8974
52	100	Unbiased	138.66	146.5	7.8434
53	0	Correlation	145.7	143.01	-2.6907
54	0	Correlation	143.34	144.56	1.2196
55	0	Correlation	138.87	143.43	4.5593
56	0	Correlation	141.96	141.25	-0.7036

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	138.87	142.47	145.7	2.8546	141.25	143.06	144.56	1.3743	-2.6907	0.59615	4.5593	3.087
3	136.2	142.62	149.75	4.429	139.55	141.77	145.38	1.9491	-7.7574	-0.85381	4.7103	4.25
10	136.14	142.63	147.4	4.3513	141.21	144.52	147.55	2.3177	-2.1333	1.8892	10.233	4.2735
30	135.32	140.33	146.69	3.7856	141.58	144.43	147.37	1.6866	-1.7904	4.1067	8.5797	3.0593
50	137.63	141.86	146.57	3.4806	144.31	145.97	147.57	1.1477	-1.3898	4.1148	8.2283	3.6388
100	133.69	141.01	146.41	4.0532	145.21	148.58	152.29	2.5695	0.8974	7.5719	12.782	3.6443

Device Test: 19.8; RESET_SLEW_RATE_FALL





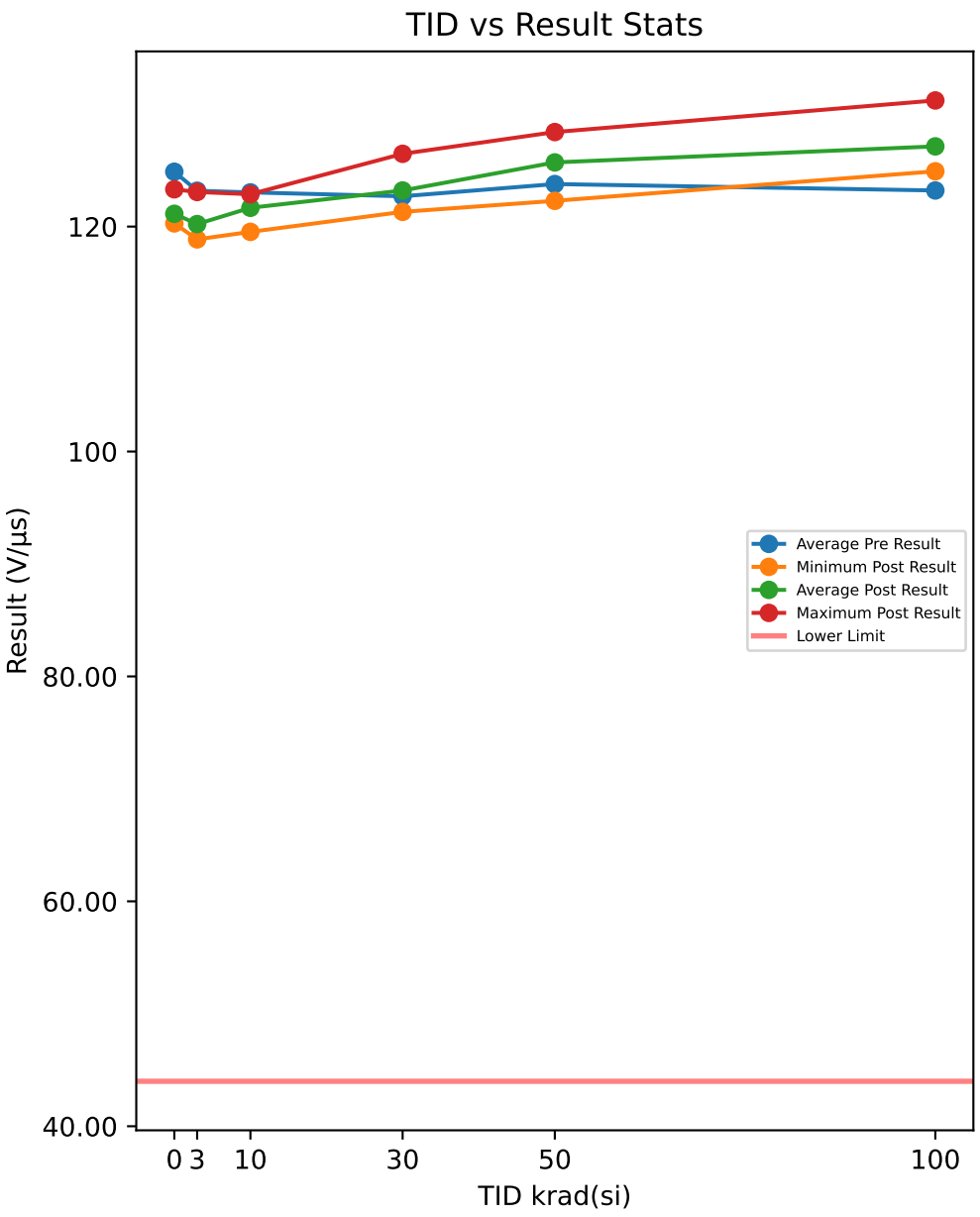
Test Results (Lower Limit = 44.0 (V/µs))

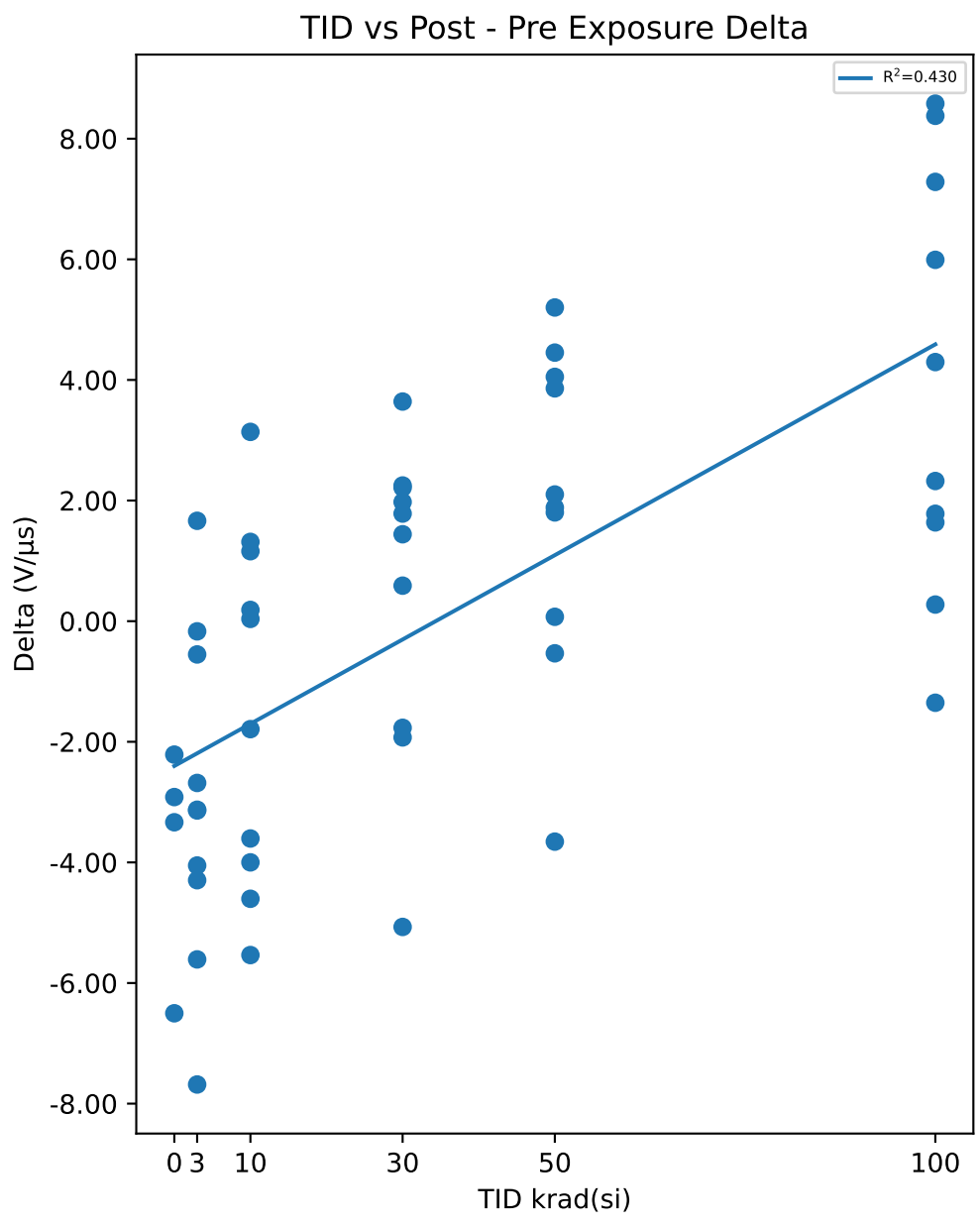
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	148.73	145.4	-3.3333
3	3	Biased	155.89	143.68	-12.209
4	3	Biased	150.62	143.3	-7.318
5	3	Biased	153.64	143.7	-9.9407
6	3	Biased	156.59	148.38	-8.2062
7	3	Unbiased	150.06	144.04	-6.0253
8	3	Unbiased	156.79	145.15	-11.639
9	3	Unbiased	152.95	146.45	-6.5069
10	3	Unbiased	154.9	146.67	-8.2209
11	3	Unbiased	151.02	143.66	-7.3617
12	10	Unbiased	156.48	148.25	-8.2294
13	10	Unbiased	155.87	145.12	-10.75
14	10	Unbiased	151.31	146.08	-5.2294
15	10	Unbiased	149.93	145.34	-4.5901
16	10	Unbiased	152.86	146.73	-6.1351
17	10	Biased	156.87	143.75	-13.125
18	10	Biased	153.68	142.58	-11.101
19	10	Biased	157	147.61	-9.387
20	10	Biased	153.58	149.06	-4.5207
21	10	Biased	156.92	145.25	-11.667
22	30	Biased	145.22	148.69	3.4655
23	30	Biased	155.39	149.94	-5.4495
24	30	Biased	149.63	146.41	-3.2162
25	30	Biased	153.15	149.83	-3.3122
26	30	Biased	148.19	148.44	0.2514
27	30	Unbiased	143.39	143.97	0.5817
28	30	Unbiased	145.53	149.48	3.9497
29	30	Unbiased	156.83	146.59	-10.233
30	30	Unbiased	151.94	145.94	-6.0038
31	30	Unbiased	154.56	145.36	-9.197
32	50	Biased	149.78	151.8	2.0145
33	50	Biased	147.89	151.18	3.283
34	50	Biased	155.9	148.82	-7.0808
35	50	Biased	150.91	147.87	-3.0367
36	50	Biased	149.41	152.02	2.615
37	50	Unbiased	148.68	146.62	-2.0588
39	50	Unbiased	146.45	149.25	2.798
40	50	Unbiased	153.29	149.18	-4.109
41	50	Unbiased	152.97	147.64	-5.3358
42	50	Unbiased	149.36	149.27	-0.0957
43	100	Biased	152.26	150.77	-1.4907
44	100	Biased	149.17	153.83	4.6634
45	100	Biased	144.62	147.73	3.1128
46	100	Biased	151.73	147.37	-4.3554
47	100	Biased	158.6	153.03	-5.5635
48	100	Unbiased	157.88	151.78	-6.0912
49	100	Unbiased	149.52	148.41	-1.107
50	100	Unbiased	147.84	151.82	3.9804
51	100	Unbiased	147.46	152.09	4.6333
52	100	Unbiased	150.85	149.91	-0.9384
53	0	Correlation	148.45	148.35	-0.0955
54	0	Correlation	143.44	141.9	-1.5387
55	0	Correlation	156.51	144.03	-12.48
56	0	Correlation	146.91	142.23	-4.681

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	143.44	148.83	156.51	5.5341	141.9	144.13	148.35	2.9652	-12.48	-4.6989	-0.0955	5.5296
3	148.73	153.12	156.79	2.9032	143.3	145.04	148.38	1.6844	-12.209	-8.0761	-3.3333	2.657
10	149.93	154.45	157	2.556	142.58	145.98	149.06	2.0027	-13.125	-8.4735	-4.5207	3.1888
30	143.39	150.38	156.83	4.6969	143.97	147.46	149.94	2.0828	-10.233	-2.9163	3.9497	4.9364
50	146.45	150.47	155.9	2.8424	146.62	149.36	152.02	1.806	-7.0808	-1.1006	3.283	3.7469
100	144.62	150.99	158.6	4.4208	147.37	150.68	153.83	2.2444	-6.0912	-0.31563	4.6634	4.2046

Device Test: 19.9; RESET_SLEW_RATE_FALL





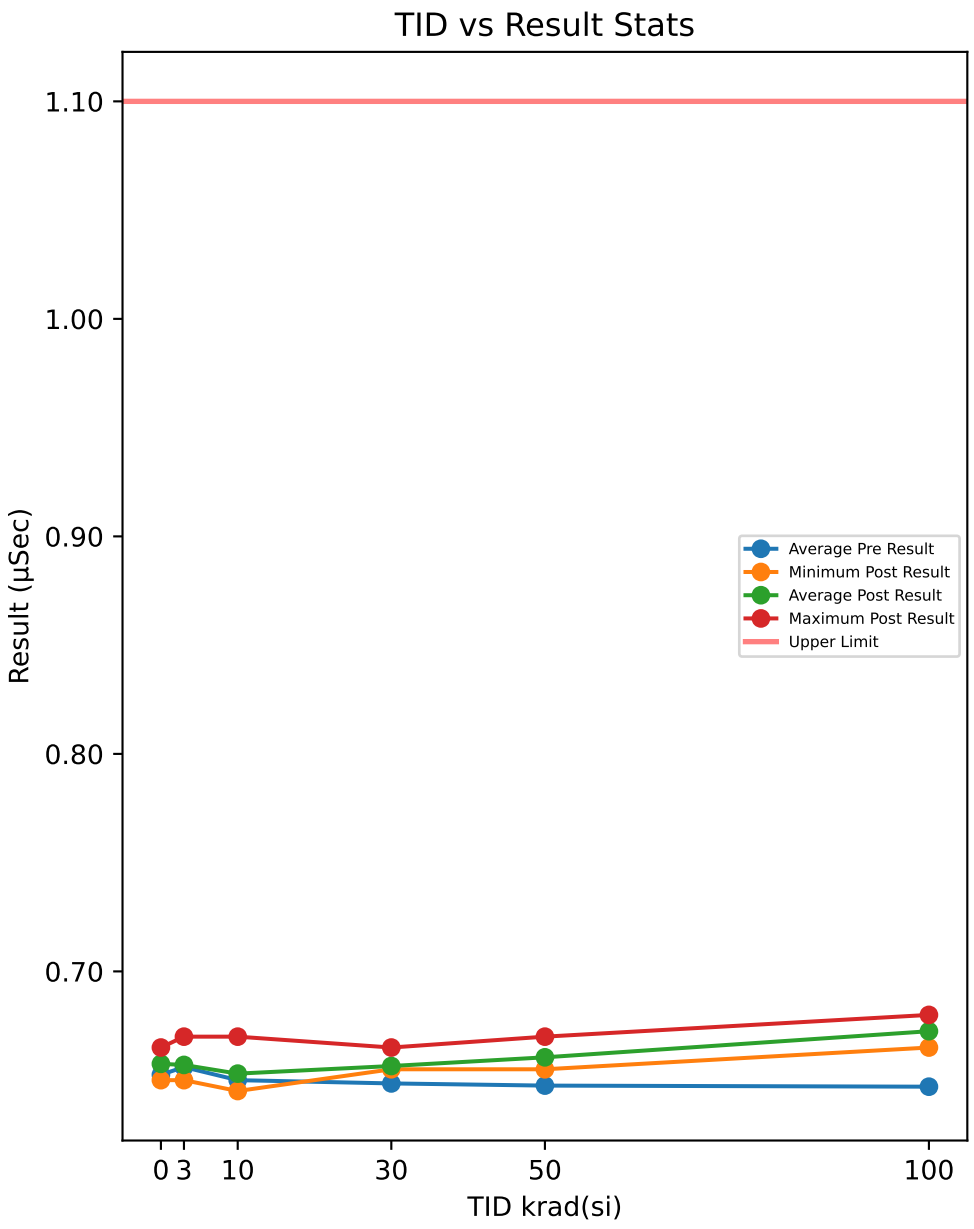
Test Results (Lower Limit = 44.0 (V/µs))

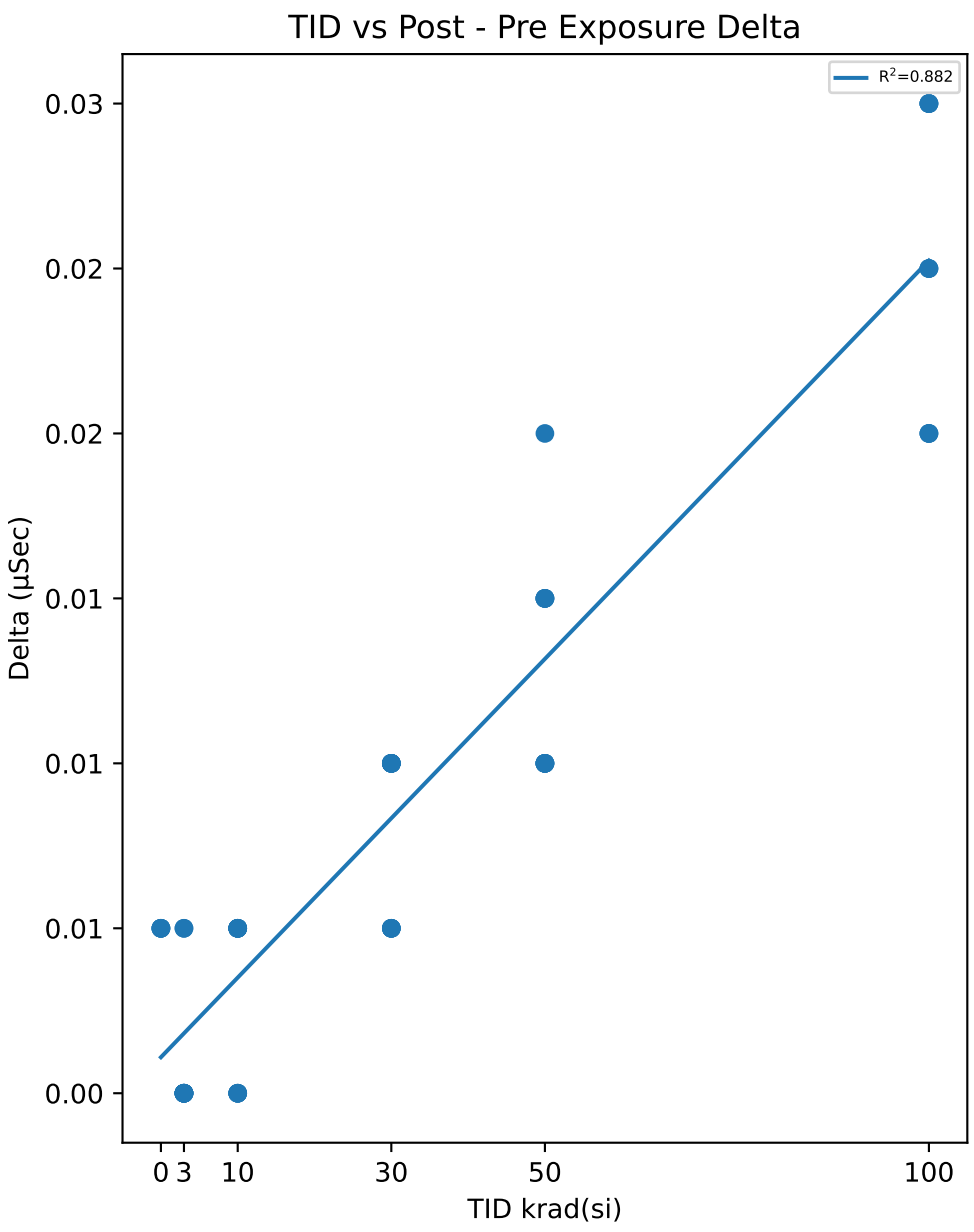
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	124.93	120.63	-4.2952
3	3	Biased	123.05	119.92	-3.1266
4	3	Biased	120.4	119.85	-0.5517
5	3	Biased	122.65	119.51	-3.1389
6	3	Biased	122.76	120.08	-2.6825
7	3	Unbiased	119.03	118.86	-0.1687
8	3	Unbiased	127.8	120.11	-7.6827
9	3	Unbiased	123.15	119.1	-4.0515
10	3	Unbiased	126.69	121.08	-5.6084
11	3	Unbiased	121.41	123.08	1.6643
12	10	Unbiased	121.28	122.44	1.1601
13	10	Unbiased	124.93	120.32	-4.6031
14	10	Unbiased	121.97	122.01	0.0377
15	10	Unbiased	124.65	120.65	-3.9994
16	10	Unbiased	124.21	122.42	-1.7902
17	10	Biased	125.07	119.53	-5.5364
18	10	Biased	124.98	121.37	-3.6036
19	10	Biased	122.29	122.48	0.1867
20	10	Biased	119.74	122.88	3.1387
21	10	Biased	121.31	122.62	1.3145
22	30	Biased	122.2	125.84	3.6418
23	30	Biased	121.99	123.43	1.4412
24	30	Biased	119.46	121.67	2.2141
25	30	Biased	124.7	125.29	0.5889
26	30	Biased	124.5	126.47	1.9755
27	30	Unbiased	120	121.79	1.7841
28	30	Unbiased	124.7	122.93	-1.7681
29	30	Unbiased	126.38	121.31	-5.0698
30	30	Unbiased	119.36	121.61	2.2499
31	30	Unbiased	123.68	121.76	-1.9272
32	50	Biased	121.53	126.73	5.2014
33	50	Biased	124.82	124.89	0.0726
34	50	Biased	121.01	125.07	4.0511
35	50	Biased	121.53	125.39	3.8604
36	50	Biased	126.39	128.19	1.8032
37	50	Unbiased	121.81	123.91	2.1007
39	50	Unbiased	128.94	125.29	-3.6555
40	50	Unbiased	122.82	122.29	-0.5331
41	50	Unbiased	122.46	126.91	4.4531
42	50	Unbiased	126.52	128.41	1.8839
43	100	Biased	123.29	124.93	1.6378
44	100	Biased	120.9	129.49	8.5816
45	100	Biased	124.34	128.64	4.2964
46	100	Biased	118.48	126.86	8.3796
47	100	Biased	123.93	131.22	7.2841
48	100	Unbiased	126.91	125.56	-1.3526
49	100	Unbiased	123.2	124.98	1.7808
50	100	Unbiased	124.64	124.92	0.2755
51	100	Unbiased	123.5	129.49	5.9917
52	100	Unbiased	122.92	125.25	2.3242
53	0	Correlation	126.65	123.32	-3.3344
54	0	Correlation	123.2	120.28	-2.9165
55	0	Correlation	127.04	120.54	-6.5018
56	0	Correlation	122.62	120.4	-2.2127

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	122.62	124.88	127.04	2.2912	120.28	121.14	123.32	1.4575	-6.5018	-3.7414	-2.2127	1.8976
3	119.03	123.19	127.8	2.6924	118.86	120.22	123.08	1.1991	-7.6827	-2.9642	1.6643	2.7367
10	119.74	123.04	125.07	1.9455	119.53	121.67	122.88	1.1453	-5.5364	-1.3695	3.1387	2.9483
30	119.36	122.7	126.38	2.4803	121.31	123.21	126.47	1.9626	-5.0698	0.51304	3.6418	2.6383
50	121.01	123.78	128.94	2.7152	122.29	125.71	128.41	1.8911	-3.6555	1.9238	5.2014	2.7091
100	118.48	123.21	126.91	2.2475	124.92	127.13	131.22	2.3705	-1.3526	3.9199	8.5816	3.5085

Device Test: 25.1; SR_UVLO_HT





Test Results (Upper Limit = 1.1 (µSec))

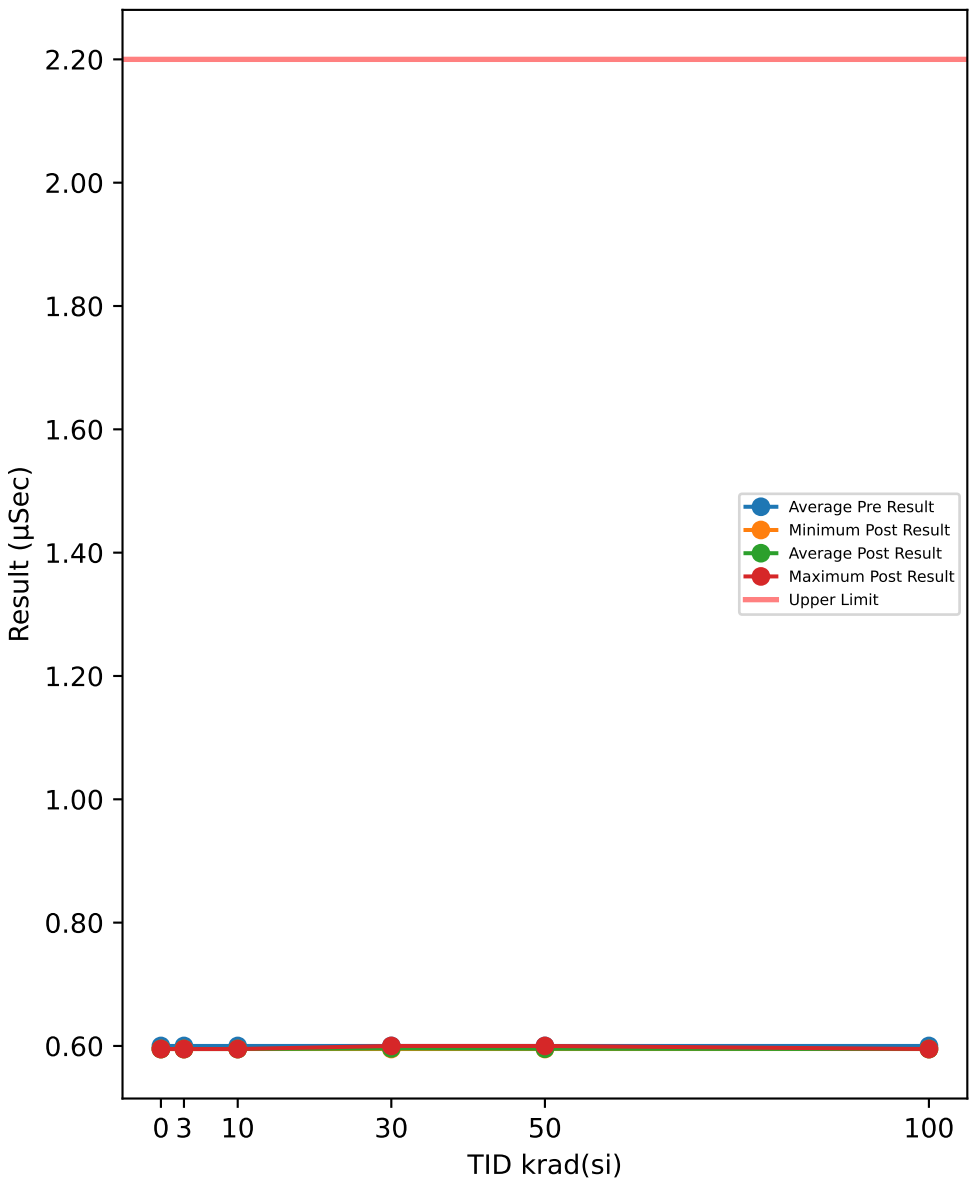
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.655	0.655	0
3	3	Biased	0.655	0.655	0
4	3	Biased	0.665	0.67	0.005
5	3	Biased	0.655	0.655	0
6	3	Biased	0.655	0.655	0
7	3	Unbiased	0.66	0.66	0
8	3	Unbiased	0.655	0.655	0
9	3	Unbiased	0.645	0.65	0.005
10	3	Unbiased	0.665	0.665	0
11	3	Unbiased	0.65	0.65	0
12	10	Unbiased	0.655	0.655	0
13	10	Unbiased	0.65	0.65	0
14	10	Unbiased	0.645	0.645	0
15	10	Unbiased	0.645	0.65	0.005
16	10	Unbiased	0.65	0.655	0.005
17	10	Biased	0.65	0.655	0.005
18	10	Biased	0.645	0.65	0.005
19	10	Biased	0.665	0.67	0.005
20	10	Biased	0.65	0.65	0
21	10	Biased	0.645	0.65	0.005
22	30	Biased	0.65	0.655	0.005
23	30	Biased	0.655	0.665	0.01
24	30	Biased	0.645	0.655	0.01
25	30	Biased	0.65	0.655	0.005
26	30	Biased	0.65	0.655	0.005
27	30	Unbiased	0.65	0.66	0.01
28	30	Unbiased	0.645	0.655	0.01
29	30	Unbiased	0.65	0.655	0.005
30	30	Unbiased	0.645	0.655	0.01
31	30	Unbiased	0.645	0.655	0.01
32	50	Biased	0.65	0.66	0.01
33	50	Biased	0.65	0.66	0.01
34	50	Biased	0.65	0.66	0.01
35	50	Biased	0.645	0.655	0.01
36	50	Biased	0.645	0.655	0.01
37	50	Unbiased	0.645	0.66	0.015
39	50	Unbiased	0.645	0.66	0.015
40	50	Unbiased	0.65	0.665	0.015
41	50	Unbiased	0.645	0.66	0.015
42	50	Unbiased	0.65	0.67	0.02
43	100	Biased	0.645	0.665	0.02
44	100	Biased	0.64	0.665	0.025
45	100	Biased	0.65	0.675	0.025
46	100	Biased	0.655	0.675	0.02
47	100	Biased	0.65	0.67	0.02
48	100	Unbiased	0.65	0.68	0.03
49	100	Unbiased	0.645	0.675	0.03
50	100	Unbiased	0.64	0.67	0.03
51	100	Unbiased	0.645	0.67	0.025
52	100	Unbiased	0.65	0.68	0.03
53	0	Correlation	0.655	0.66	0.005
54	0	Correlation	0.645	0.65	0.005
55	0	Correlation	0.66	0.665	0.005
56	0	Correlation	0.65	0.655	0.005

Test Statistics (µSec)

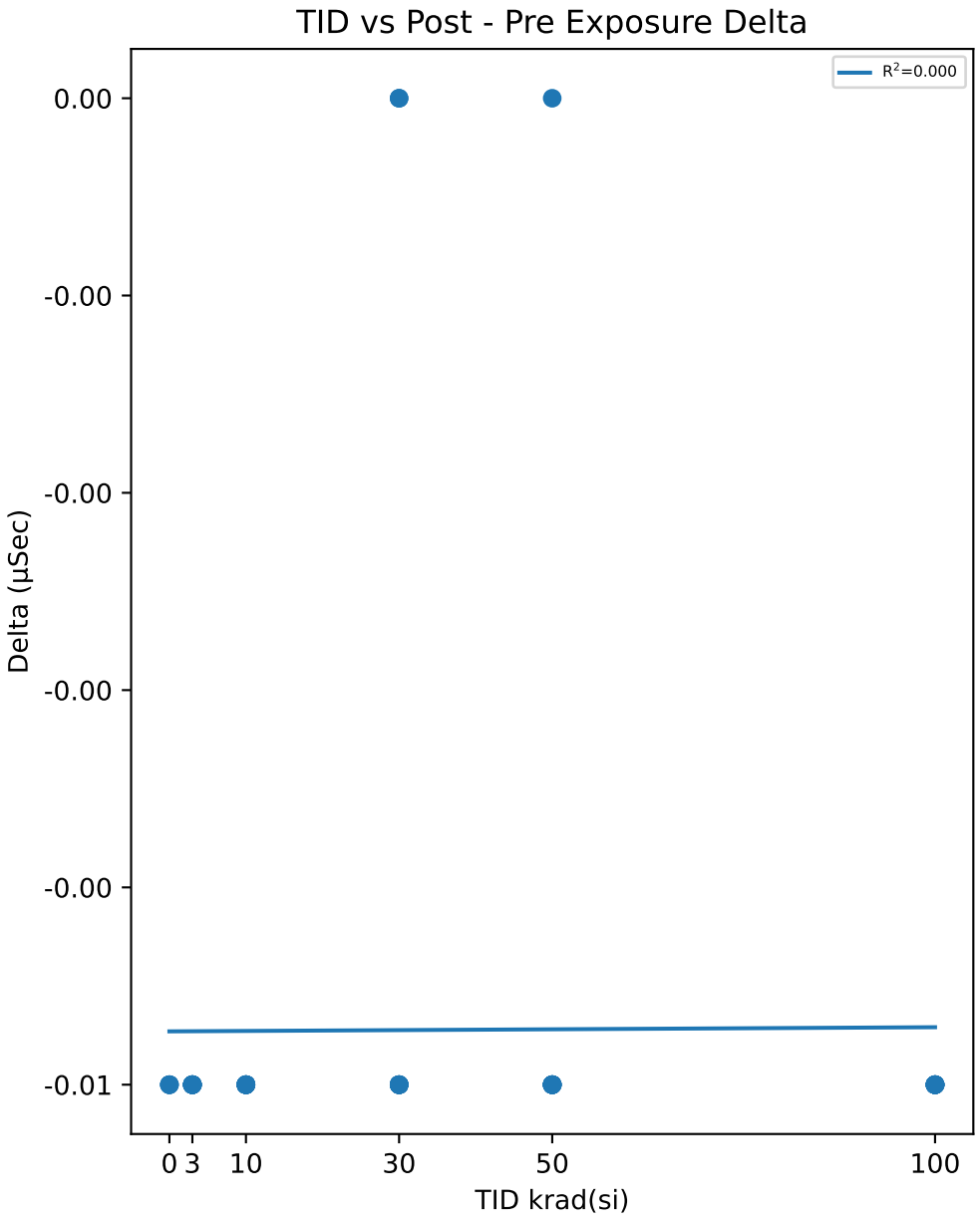
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.645	0.6525	0.66	0.006455	0.65	0.6575	0.665	0.006455	0.005	0.005	0.005	0
3	0.645	0.656	0.665	0.0061464	0.65	0.657	0.67	0.0063246	0	0.001	0.005	0.0021082
10	0.645	0.65	0.665	0.0062361	0.645	0.653	0.67	0.0067495	0	0.003	0.005	0.002582
30	0.645	0.6485	0.655	0.0033747	0.655	0.6565	0.665	0.0033747	0.005	0.008	0.01	0.002582
50	0.645	0.6475	0.65	0.0026352	0.655	0.6605	0.67	0.004378	0.01	0.013	0.02	0.003496
100	0.64	0.647	0.655	0.0048305	0.665	0.6725	0.68	0.0054006	0.02	0.0255	0.03	0.004378

Device Test: 25.10; SENSE_F_HT_PP

TID vs Result Stats



TID vs Post - Pre Exposure Delta



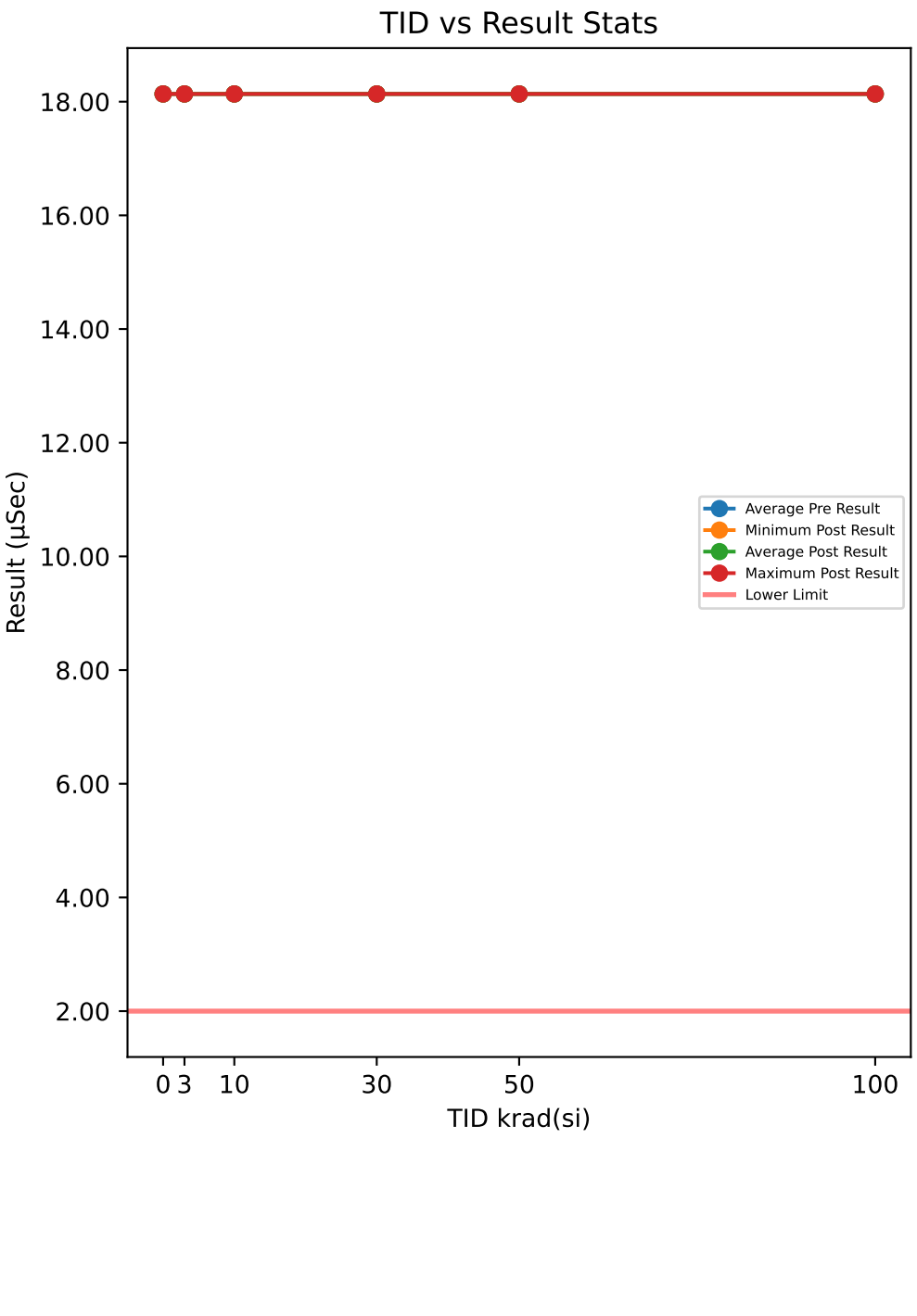
Test Results (Upper Limit = 2.2 (µSec))

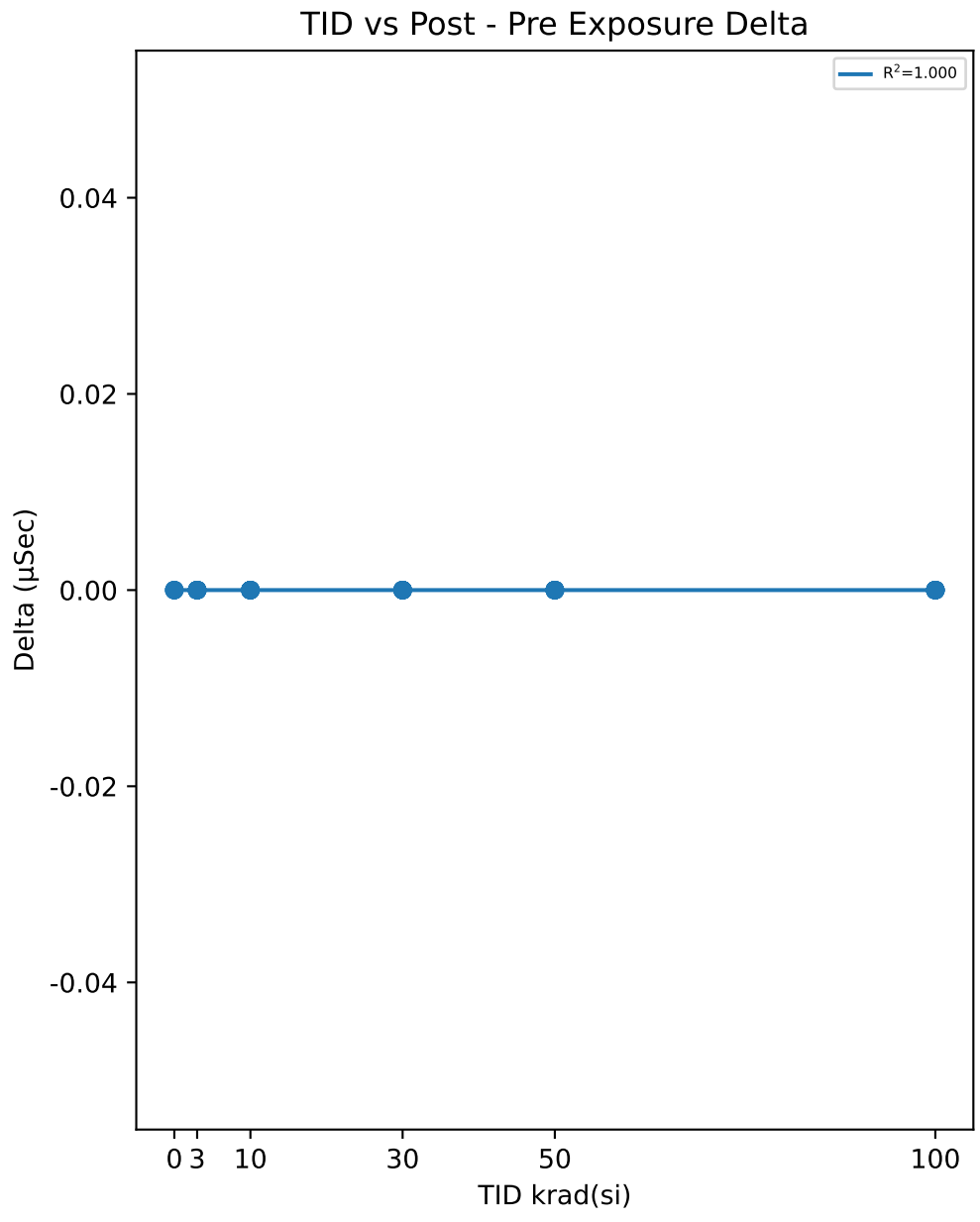
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.6	0.595	-0.005
3	3	Biased	0.6	0.595	-0.005
4	3	Biased	0.6	0.595	-0.005
5	3	Biased	0.6	0.595	-0.005
6	3	Biased	0.6	0.595	-0.005
7	3	Unbiased	0.6	0.595	-0.005
8	3	Unbiased	0.6	0.595	-0.005
9	3	Unbiased	0.6	0.595	-0.005
10	3	Unbiased	0.6	0.595	-0.005
11	3	Unbiased	0.6	0.595	-0.005
12	10	Unbiased	0.6	0.595	-0.005
13	10	Unbiased	0.6	0.595	-0.005
14	10	Unbiased	0.6	0.595	-0.005
15	10	Unbiased	0.6	0.595	-0.005
16	10	Unbiased	0.6	0.595	-0.005
17	10	Biased	0.6	0.595	-0.005
18	10	Biased	0.6	0.595	-0.005
19	10	Biased	0.6	0.595	-0.005
20	10	Biased	0.6	0.595	-0.005
21	10	Biased	0.6	0.595	-0.005
22	30	Biased	0.6	0.595	-0.005
23	30	Biased	0.6	0.595	-0.005
24	30	Biased	0.6	0.595	-0.005
25	30	Biased	0.6	0.6	0
26	30	Biased	0.6	0.595	-0.005
27	30	Unbiased	0.6	0.6	0
28	30	Unbiased	0.6	0.595	-0.005
29	30	Unbiased	0.6	0.595	-0.005
30	30	Unbiased	0.6	0.595	-0.005
31	30	Unbiased	0.6	0.595	-0.005
32	50	Biased	0.6	0.595	-0.005
33	50	Biased	0.6	0.595	-0.005
34	50	Biased	0.6	0.595	-0.005
35	50	Biased	0.6	0.595	-0.005
36	50	Biased	0.6	0.595	-0.005
37	50	Unbiased	0.6	0.595	-0.005
39	50	Unbiased	0.6	0.595	-0.005
40	50	Unbiased	0.6	0.595	-0.005
41	50	Unbiased	0.6	0.595	-0.005
42	50	Unbiased	0.6	0.6	0
43	100	Biased	0.6	0.595	-0.005
44	100	Biased	0.6	0.595	-0.005
45	100	Biased	0.6	0.595	-0.005
46	100	Biased	0.6	0.595	-0.005
47	100	Biased	0.6	0.595	-0.005
48	100	Unbiased	0.6	0.595	-0.005
49	100	Unbiased	0.6	0.595	-0.005
50	100	Unbiased	0.6	0.595	-0.005
51	100	Unbiased	0.6	0.595	-0.005
52	100	Unbiased	0.6	0.595	-0.005
53	0	Correlation	0.6	0.595	-0.005
54	0	Correlation	0.6	0.595	-0.005
55	0	Correlation	0.6	0.595	-0.005
56	0	Correlation	0.6	0.595	-0.005

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6	0.6	0.6	0	0.595	0.595	0.595	0	-0.005	-0.005	-0.005	0
3	0.6	0.6	0.6	0	0.595	0.595	0.595	0	-0.005	-0.005	-0.005	0
10	0.6	0.6	0.6	0	0.595	0.595	0.595	0	-0.005	-0.005	-0.005	0
30	0.6	0.6	0.6	0	0.595	0.596	0.6	0.0021082	-0.005	-0.004	0	0.0021082
50	0.6	0.6	0.6	0	0.595	0.5955	0.6	0.0015811	-0.005	-0.0045	0	0.0015811
100	0.6	0.6	0.6	0	0.595	0.595	0.595	0	-0.005	-0.005	-0.005	0

Device Test: 25.11; WDI_HT





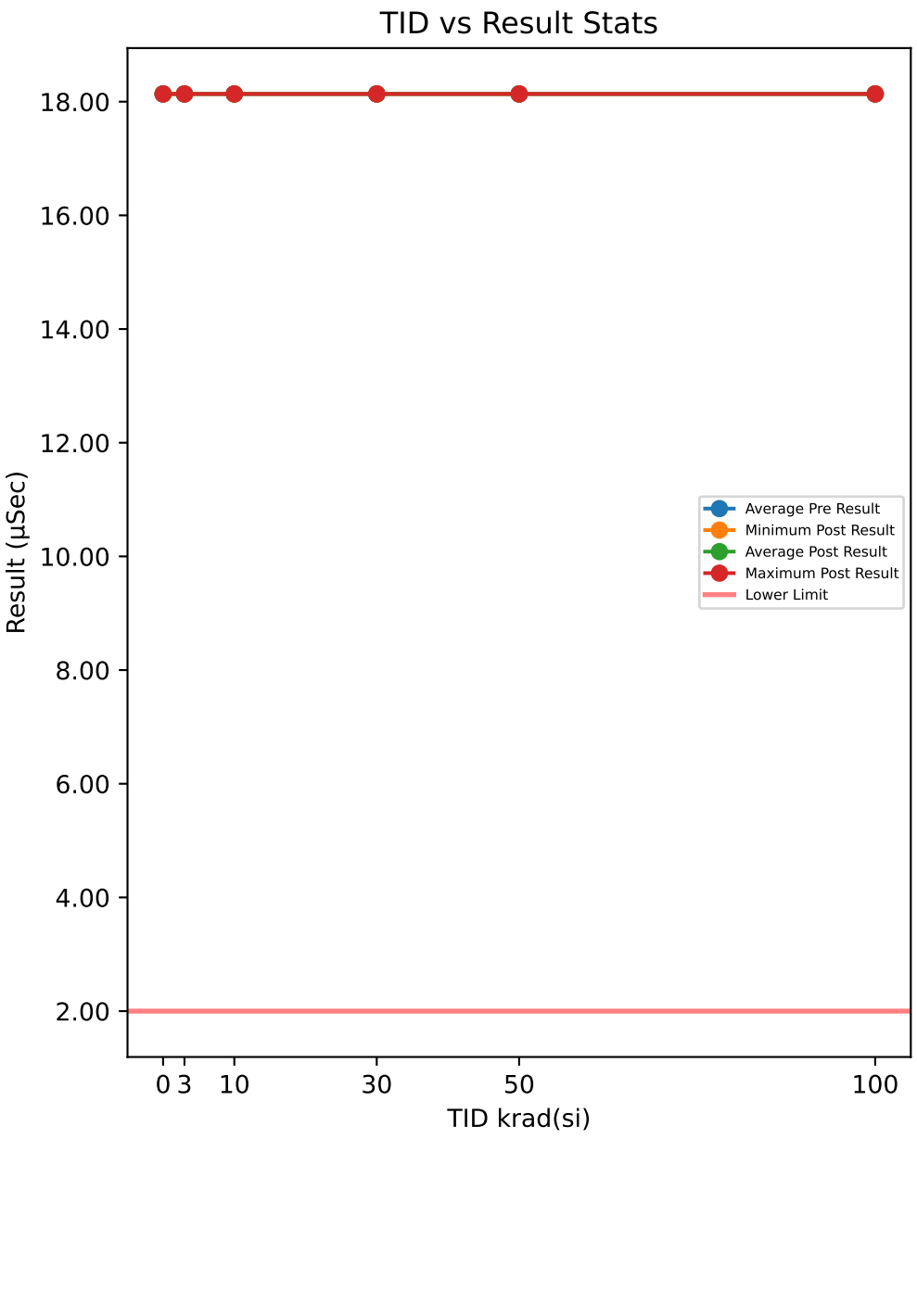
Test Results (Lower Limit = 2.0 (µSec))

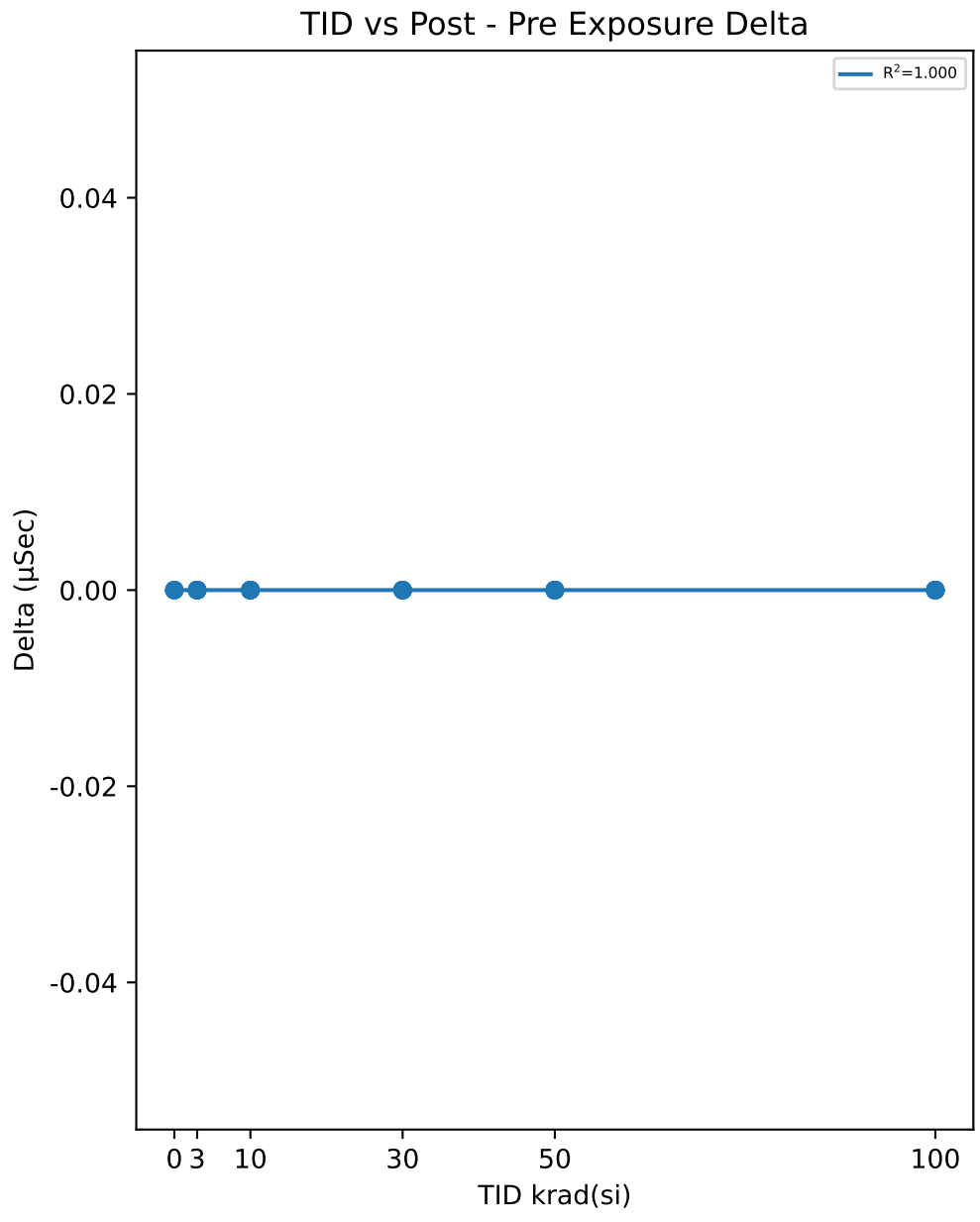
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	18.136	18.136	0
3	3	Biased	18.136	18.136	0
4	3	Biased	18.136	18.136	0
5	3	Biased	18.136	18.136	0
6	3	Biased	18.136	18.136	0
7	3	Unbiased	18.136	18.136	0
8	3	Unbiased	18.136	18.136	0
9	3	Unbiased	18.136	18.136	0
10	3	Unbiased	18.136	18.136	0
11	3	Unbiased	18.136	18.136	0
12	10	Unbiased	18.136	18.136	0
13	10	Unbiased	18.136	18.136	0
14	10	Unbiased	18.136	18.136	0
15	10	Unbiased	18.136	18.136	0
16	10	Unbiased	18.136	18.136	0
17	10	Biased	18.136	18.136	0
18	10	Biased	18.136	18.136	0
19	10	Biased	18.136	18.136	0
20	10	Biased	18.136	18.136	0
21	10	Biased	18.136	18.136	0
22	30	Biased	18.136	18.136	0
23	30	Biased	18.136	18.136	0
24	30	Biased	18.136	18.136	0
25	30	Biased	18.136	18.136	0
26	30	Biased	18.136	18.136	0
27	30	Unbiased	18.136	18.136	0
28	30	Unbiased	18.136	18.136	0
29	30	Unbiased	18.136	18.136	0
30	30	Unbiased	18.136	18.136	0
31	30	Unbiased	18.136	18.136	0
32	50	Biased	18.136	18.136	0
33	50	Biased	18.136	18.136	0
34	50	Biased	18.136	18.136	0
35	50	Biased	18.136	18.136	0
36	50	Biased	18.136	18.136	0
37	50	Unbiased	18.136	18.136	0
39	50	Unbiased	18.136	18.136	0
40	50	Unbiased	18.136	18.136	0
41	50	Unbiased	18.136	18.136	0
42	50	Unbiased	18.136	18.136	0
43	100	Biased	18.136	18.136	0
44	100	Biased	18.136	18.136	0
45	100	Biased	18.136	18.136	0
46	100	Biased	18.136	18.136	0
47	100	Biased	18.136	18.136	0
48	100	Unbiased	18.136	18.136	0
49	100	Unbiased	18.136	18.136	0
50	100	Unbiased	18.136	18.136	0
51	100	Unbiased	18.136	18.136	0
52	100	Unbiased	18.136	18.136	0
53	0	Correlation	18.136	18.136	0
54	0	Correlation	18.136	18.136	0
55	0	Correlation	18.136	18.136	0
56	0	Correlation	18.136	18.136	0

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	18.136	18.136	18.136	0	18.136	18.136	18.136	0	0	0	0	0
3	18.136	18.136	18.136	0	18.136	18.136	18.136	0	0	0	0	0
10	18.136	18.136	18.136	0	18.136	18.136	18.136	0	0	0	0	0
30	18.136	18.136	18.136	0	18.136	18.136	18.136	0	0	0	0	0
50	18.136	18.136	18.136	0	18.136	18.136	18.136	0	0	0	0	0
100	18.136	18.136	18.136	0	18.136	18.136	18.136	0	0	0	0	0

Device Test: 25.12; WDI_HT





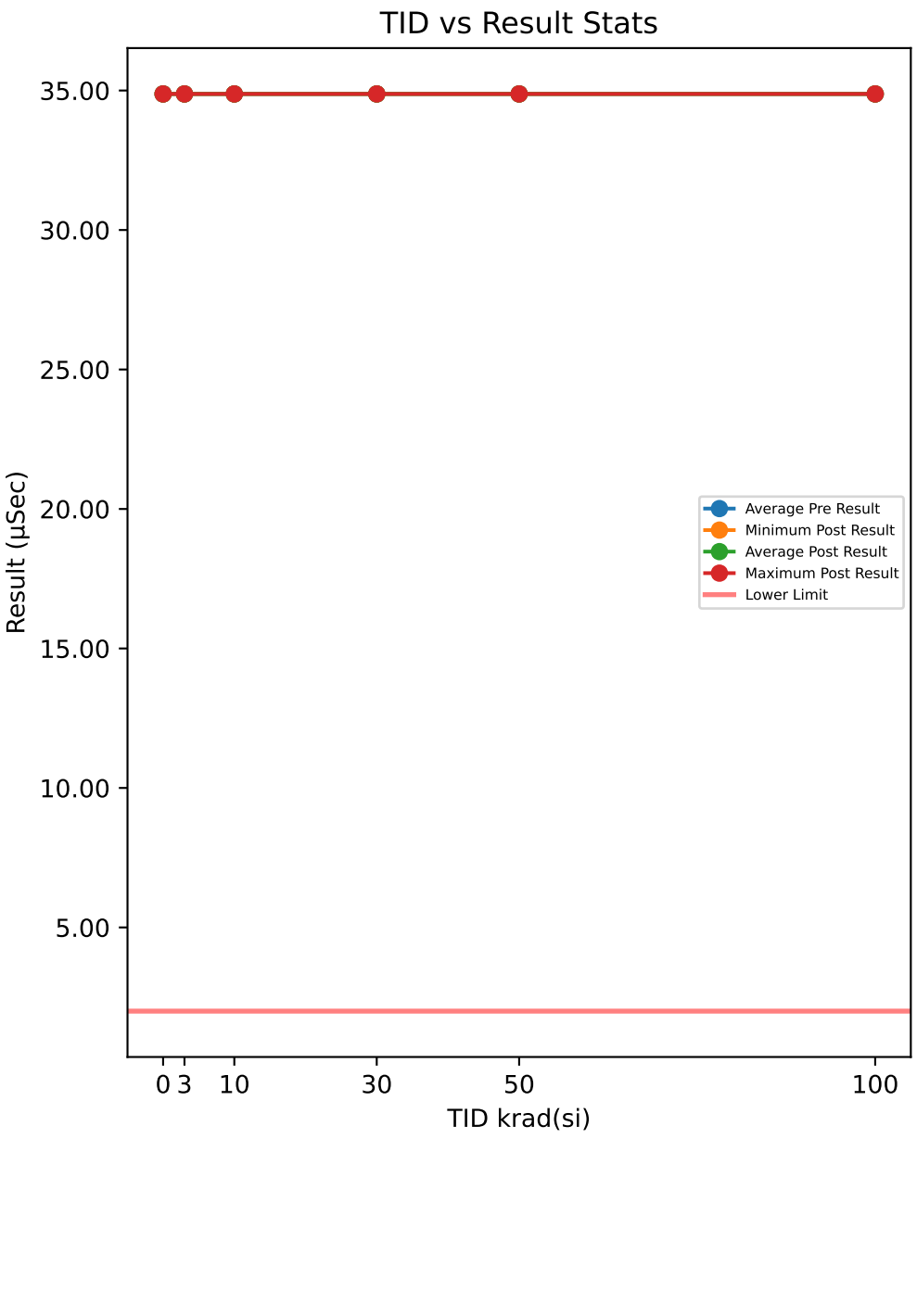
Test Results (Lower Limit = 2.0 (µSec))

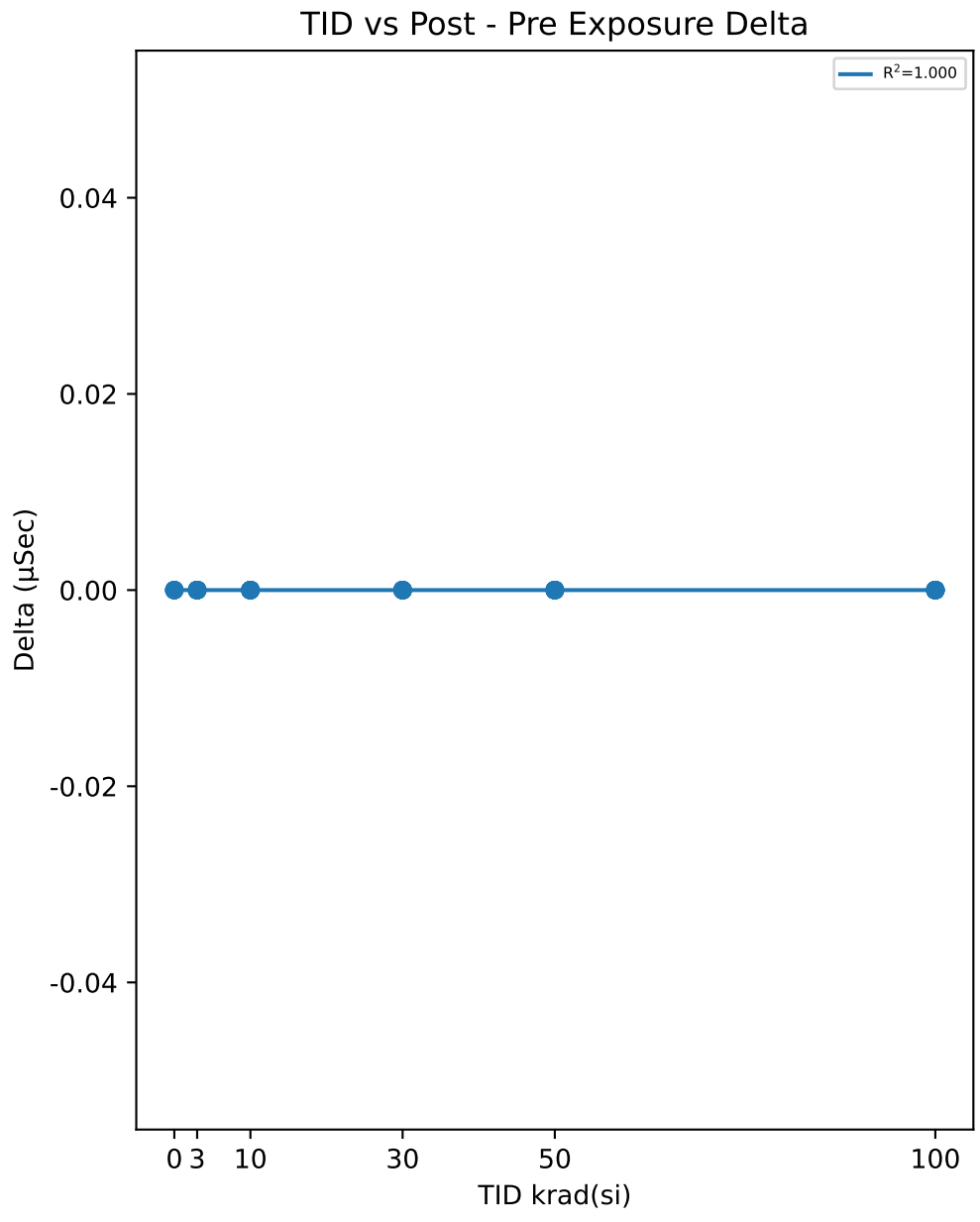
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	18.136	18.136	0
3	3	Biased	18.136	18.136	0
4	3	Biased	18.136	18.136	0
5	3	Biased	18.136	18.136	0
6	3	Biased	18.136	18.136	0
7	3	Unbiased	18.136	18.136	0
8	3	Unbiased	18.136	18.136	0
9	3	Unbiased	18.136	18.136	0
10	3	Unbiased	18.136	18.136	0
11	3	Unbiased	18.136	18.136	0
12	10	Unbiased	18.136	18.136	0
13	10	Unbiased	18.136	18.136	0
14	10	Unbiased	18.136	18.136	0
15	10	Unbiased	18.136	18.136	0
16	10	Unbiased	18.136	18.136	0
17	10	Biased	18.136	18.136	0
18	10	Biased	18.136	18.136	0
19	10	Biased	18.136	18.136	0
20	10	Biased	18.136	18.136	0
21	10	Biased	18.136	18.136	0
22	30	Biased	18.136	18.136	0
23	30	Biased	18.136	18.136	0
24	30	Biased	18.136	18.136	0
25	30	Biased	18.136	18.136	0
26	30	Biased	18.136	18.136	0
27	30	Unbiased	18.136	18.136	0
28	30	Unbiased	18.136	18.136	0
29	30	Unbiased	18.136	18.136	0
30	30	Unbiased	18.136	18.136	0
31	30	Unbiased	18.136	18.136	0
32	50	Biased	18.136	18.136	0
33	50	Biased	18.136	18.136	0
34	50	Biased	18.136	18.136	0
35	50	Biased	18.136	18.136	0
36	50	Biased	18.136	18.136	0
37	50	Unbiased	18.136	18.136	0
39	50	Unbiased	18.136	18.136	0
40	50	Unbiased	18.136	18.136	0
41	50	Unbiased	18.136	18.136	0
42	50	Unbiased	18.136	18.136	0
43	100	Biased	18.136	18.136	0
44	100	Biased	18.136	18.136	0
45	100	Biased	18.136	18.136	0
46	100	Biased	18.136	18.136	0
47	100	Biased	18.136	18.136	0
48	100	Unbiased	18.136	18.136	0
49	100	Unbiased	18.136	18.136	0
50	100	Unbiased	18.136	18.136	0
51	100	Unbiased	18.136	18.136	0
52	100	Unbiased	18.136	18.136	0
53	0	Correlation	18.136	18.136	0
54	0	Correlation	18.136	18.136	0
55	0	Correlation	18.136	18.136	0
56	0	Correlation	18.136	18.136	0

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	18.136	18.136	18.136	0	18.136	18.136	18.136	0	0	0	0	0
3	18.136	18.136	18.136	0	18.136	18.136	18.136	0	0	0	0	0
10	18.136	18.136	18.136	0	18.136	18.136	18.136	0	0	0	0	0
30	18.136	18.136	18.136	0	18.136	18.136	18.136	0	0	0	0	0
50	18.136	18.136	18.136	0	18.136	18.136	18.136	0	0	0	0	0
100	18.136	18.136	18.136	0	18.136	18.136	18.136	0	0	0	0	0

Device Test: 25.13; WDI_HT





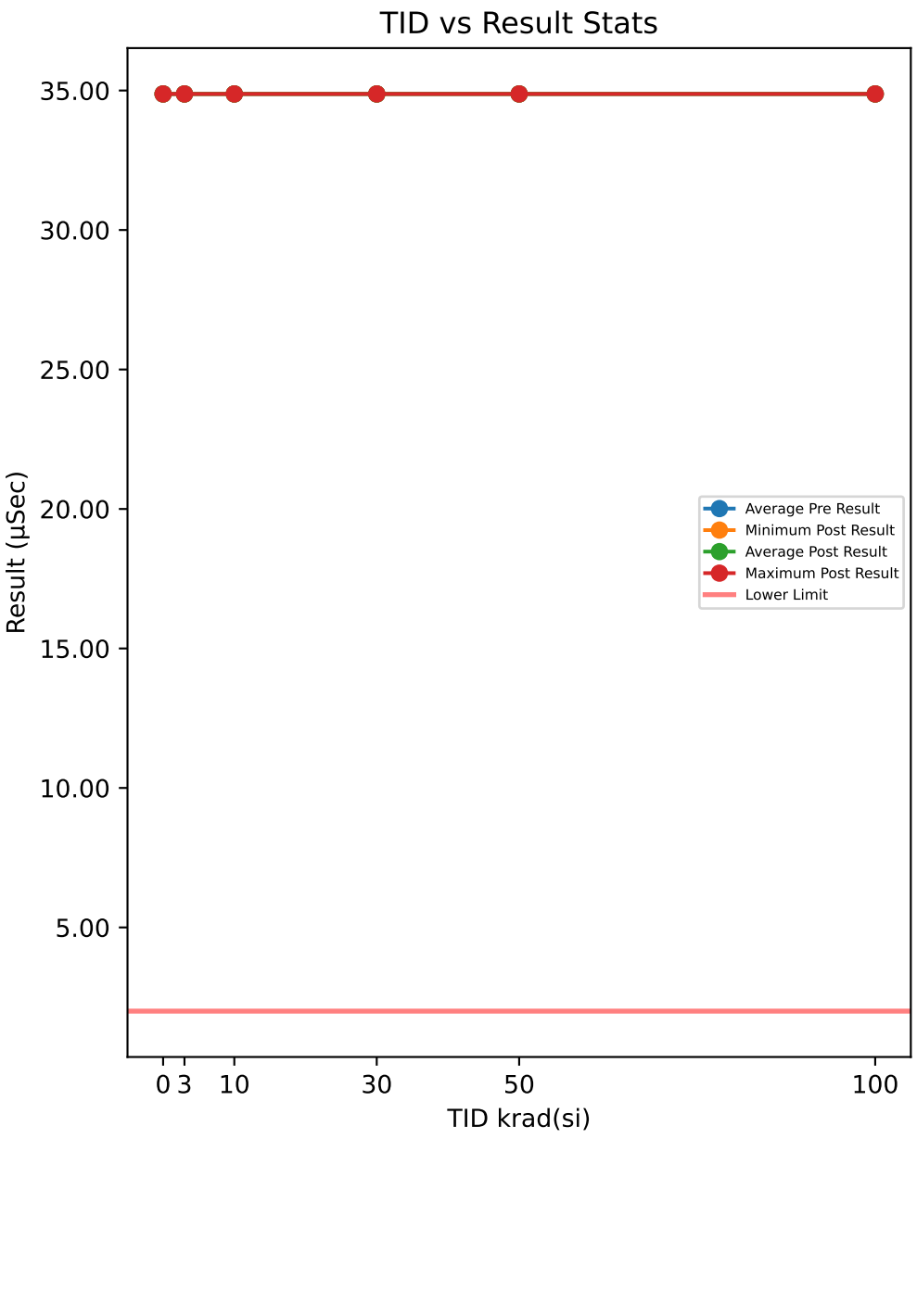
Test Results (Lower Limit = 2.0 (µSec))

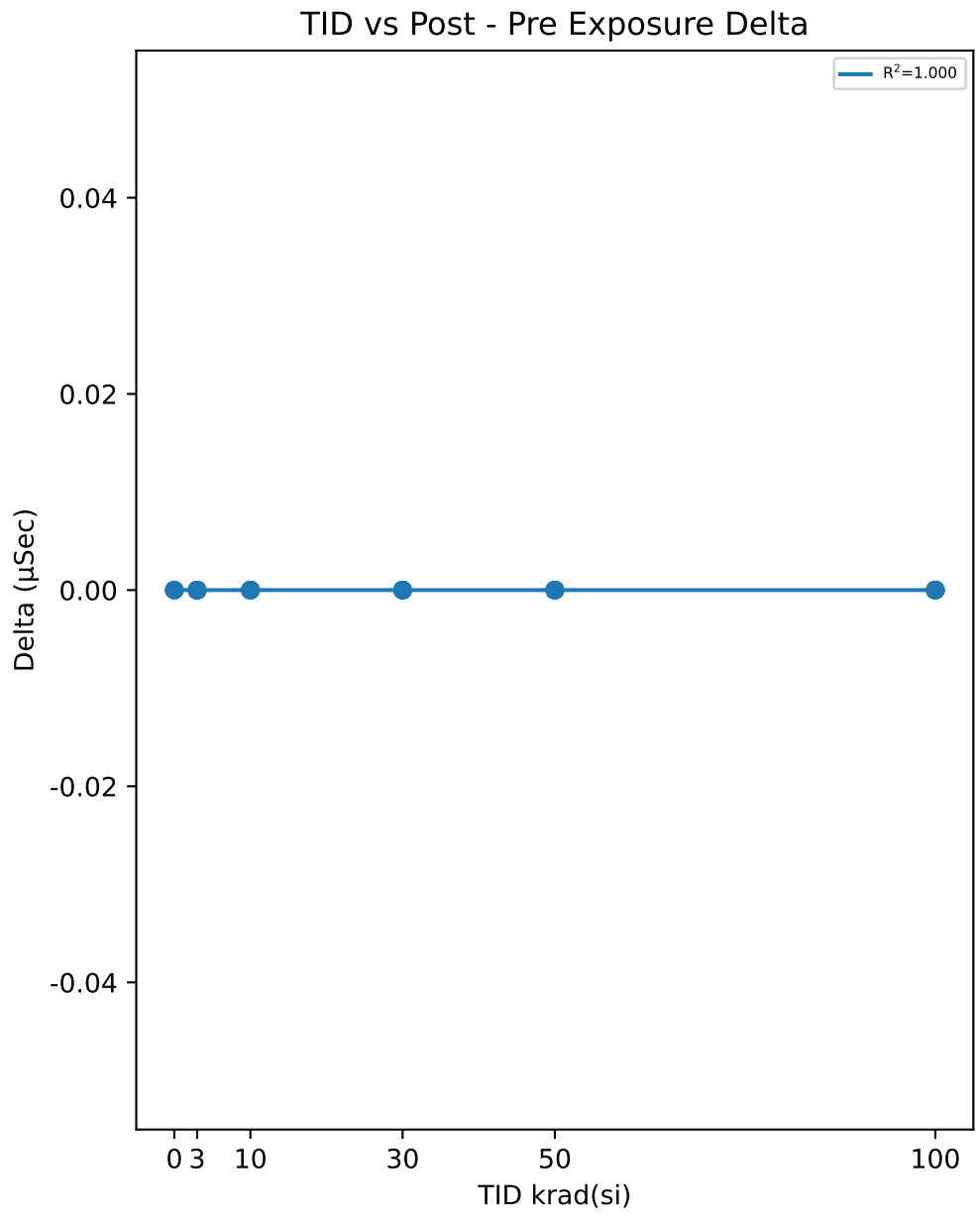
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	34.877	34.877	0
3	3	Biased	34.877	34.877	0
4	3	Biased	34.877	34.877	0
5	3	Biased	34.877	34.877	0
6	3	Biased	34.877	34.877	0
7	3	Unbiased	34.877	34.877	0
8	3	Unbiased	34.877	34.877	0
9	3	Unbiased	34.877	34.877	0
10	3	Unbiased	34.877	34.877	0
11	3	Unbiased	34.877	34.877	0
12	10	Unbiased	34.877	34.877	0
13	10	Unbiased	34.877	34.877	0
14	10	Unbiased	34.877	34.877	0
15	10	Unbiased	34.877	34.877	0
16	10	Unbiased	34.877	34.877	0
17	10	Biased	34.877	34.877	0
18	10	Biased	34.877	34.877	0
19	10	Biased	34.877	34.877	0
20	10	Biased	34.877	34.877	0
21	10	Biased	34.877	34.877	0
22	30	Biased	34.877	34.877	0
23	30	Biased	34.877	34.877	0
24	30	Biased	34.877	34.877	0
25	30	Biased	34.877	34.877	0
26	30	Biased	34.877	34.877	0
27	30	Unbiased	34.877	34.877	0
28	30	Unbiased	34.877	34.877	0
29	30	Unbiased	34.877	34.877	0
30	30	Unbiased	34.877	34.877	0
31	30	Unbiased	34.877	34.877	0
32	50	Biased	34.877	34.877	0
33	50	Biased	34.877	34.877	0
34	50	Biased	34.877	34.877	0
35	50	Biased	34.877	34.877	0
36	50	Biased	34.877	34.877	0
37	50	Unbiased	34.877	34.877	0
39	50	Unbiased	34.877	34.877	0
40	50	Unbiased	34.877	34.877	0
41	50	Unbiased	34.877	34.877	0
42	50	Unbiased	34.877	34.877	0
43	100	Biased	34.877	34.877	0
44	100	Biased	34.877	34.877	0
45	100	Biased	34.877	34.877	0
46	100	Biased	34.877	34.877	0
47	100	Biased	34.877	34.877	0
48	100	Unbiased	34.877	34.877	0
49	100	Unbiased	34.877	34.877	0
50	100	Unbiased	34.877	34.877	0
51	100	Unbiased	34.877	34.877	0
52	100	Unbiased	34.877	34.877	0
53	0	Correlation	34.877	34.877	0
54	0	Correlation	34.877	34.877	0
55	0	Correlation	34.877	34.877	0
56	0	Correlation	34.877	34.877	0

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	34.877	34.877	34.877	0	34.877	34.877	34.877	0	0	0	0	0
3	34.877	34.877	34.877	0	34.877	34.877	34.877	0	0	0	0	0
10	34.877	34.877	34.877	0	34.877	34.877	34.877	0	0	0	0	0
30	34.877	34.877	34.877	0	34.877	34.877	34.877	0	0	0	0	0
50	34.877	34.877	34.877	0	34.877	34.877	34.877	0	0	0	0	0
100	34.877	34.877	34.877	0	34.877	34.877	34.877	0	0	0	0	0

Device Test: 25.14; WDI_HT





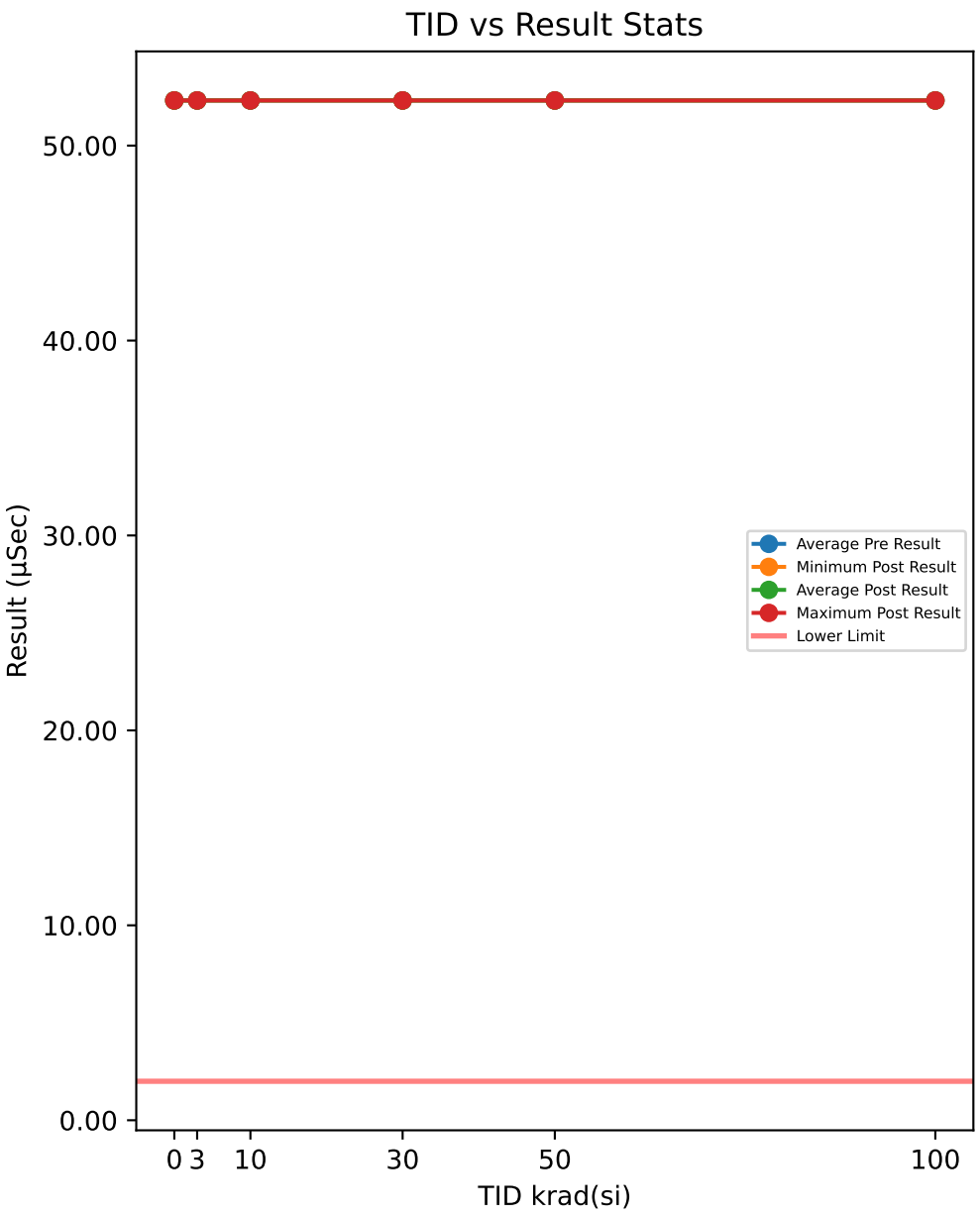
Test Results (Lower Limit = 2.0 (µSec))

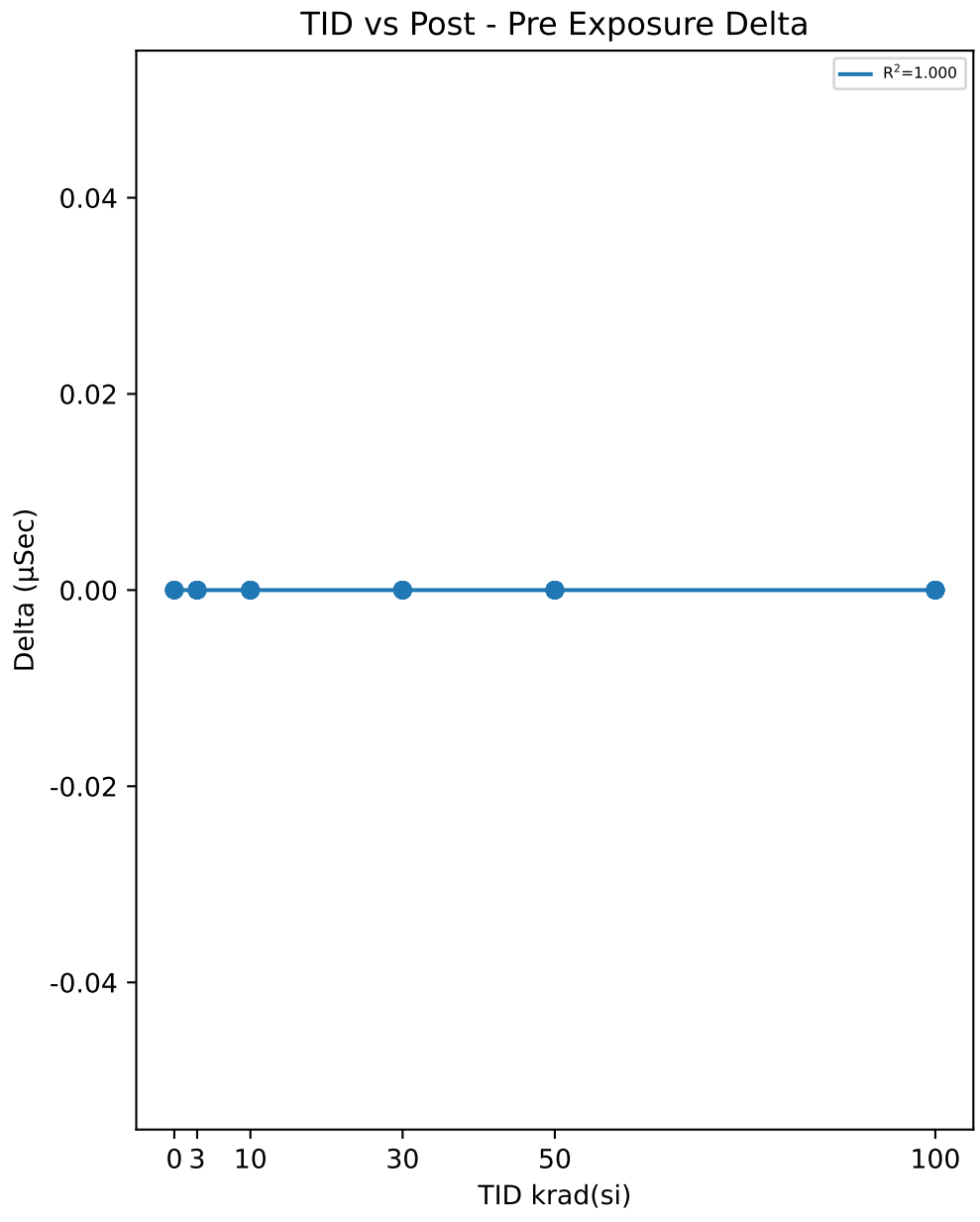
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	34.877	34.877	0
3	3	Biased	34.877	34.877	0
4	3	Biased	34.877	34.877	0
5	3	Biased	34.877	34.877	0
6	3	Biased	34.877	34.877	0
7	3	Unbiased	34.877	34.877	0
8	3	Unbiased	34.877	34.877	0
9	3	Unbiased	34.877	34.877	0
10	3	Unbiased	34.877	34.877	0
11	3	Unbiased	34.877	34.877	0
12	10	Unbiased	34.877	34.877	0
13	10	Unbiased	34.877	34.877	0
14	10	Unbiased	34.877	34.877	0
15	10	Unbiased	34.877	34.877	0
16	10	Unbiased	34.877	34.877	0
17	10	Biased	34.877	34.877	0
18	10	Biased	34.877	34.877	0
19	10	Biased	34.877	34.877	0
20	10	Biased	34.877	34.877	0
21	10	Biased	34.877	34.877	0
22	30	Biased	34.877	34.877	0
23	30	Biased	34.877	34.877	0
24	30	Biased	34.877	34.877	0
25	30	Biased	34.877	34.877	0
26	30	Biased	34.877	34.877	0
27	30	Unbiased	34.877	34.877	0
28	30	Unbiased	34.877	34.877	0
29	30	Unbiased	34.877	34.877	0
30	30	Unbiased	34.877	34.877	0
31	30	Unbiased	34.877	34.877	0
32	50	Biased	34.877	34.877	0
33	50	Biased	34.877	34.877	0
34	50	Biased	34.877	34.877	0
35	50	Biased	34.877	34.877	0
36	50	Biased	34.877	34.877	0
37	50	Unbiased	34.877	34.877	0
39	50	Unbiased	34.877	34.877	0
40	50	Unbiased	34.877	34.877	0
41	50	Unbiased	34.877	34.877	0
42	50	Unbiased	34.877	34.877	0
43	100	Biased	34.877	34.877	0
44	100	Biased	34.877	34.877	0
45	100	Biased	34.877	34.877	0
46	100	Biased	34.877	34.877	0
47	100	Biased	34.877	34.877	0
48	100	Unbiased	34.877	34.877	0
49	100	Unbiased	34.877	34.877	0
50	100	Unbiased	34.877	34.877	0
51	100	Unbiased	34.877	34.877	0
52	100	Unbiased	34.877	34.877	0
53	0	Correlation	34.877	34.877	0
54	0	Correlation	34.877	34.877	0
55	0	Correlation	34.877	34.877	0
56	0	Correlation	34.877	34.877	0

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	34.877	34.877	34.877	0	34.877	34.877	34.877	0	0	0	0	0
3	34.877	34.877	34.877	0	34.877	34.877	34.877	0	0	0	0	0
10	34.877	34.877	34.877	0	34.877	34.877	34.877	0	0	0	0	0
30	34.877	34.877	34.877	0	34.877	34.877	34.877	0	0	0	0	0
50	34.877	34.877	34.877	0	34.877	34.877	34.877	0	0	0	0	0
100	34.877	34.877	34.877	0	34.877	34.877	34.877	0	0	0	0	0

Device Test: 25.15; WDI_HT





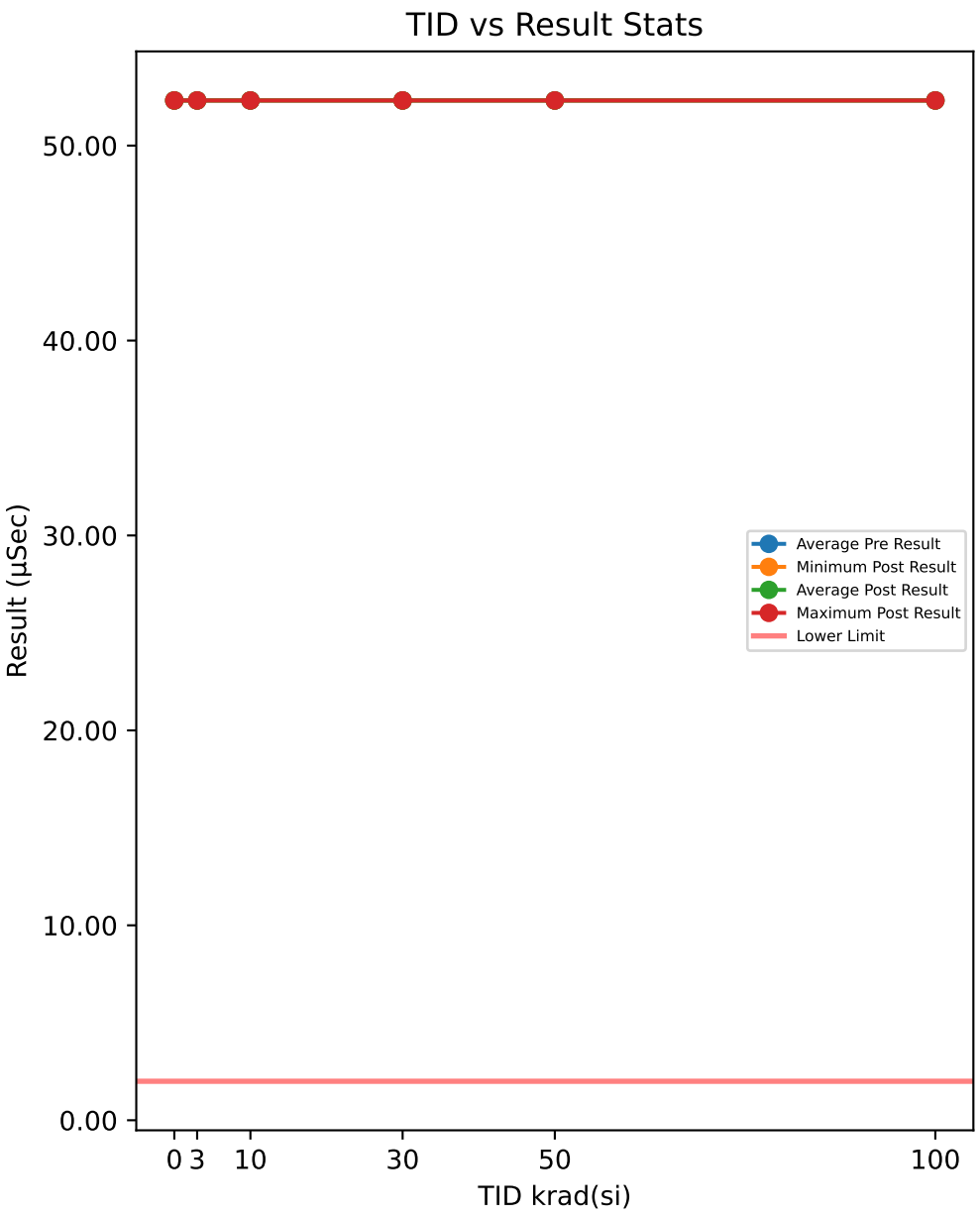
Test Results (Lower Limit = 2.0 (µSec))

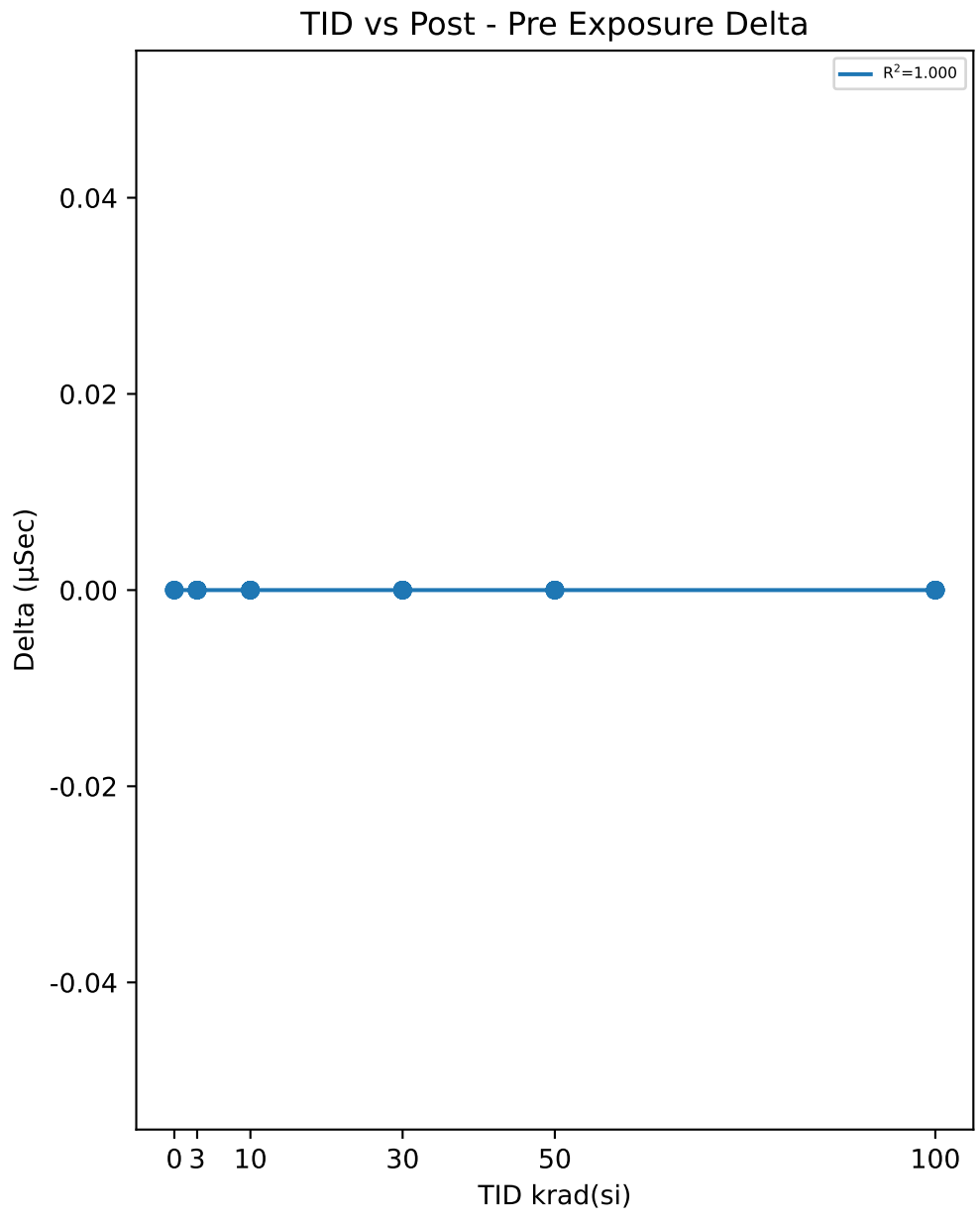
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	52.316	52.316	0
3	3	Biased	52.316	52.316	0
4	3	Biased	52.316	52.316	0
5	3	Biased	52.316	52.316	0
6	3	Biased	52.316	52.316	0
7	3	Unbiased	52.316	52.316	0
8	3	Unbiased	52.316	52.316	0
9	3	Unbiased	52.316	52.316	0
10	3	Unbiased	52.316	52.316	0
11	3	Unbiased	52.316	52.316	0
12	10	Unbiased	52.316	52.316	0
13	10	Unbiased	52.316	52.316	0
14	10	Unbiased	52.316	52.316	0
15	10	Unbiased	52.316	52.316	0
16	10	Unbiased	52.316	52.316	0
17	10	Biased	52.316	52.316	0
18	10	Biased	52.316	52.316	0
19	10	Biased	52.316	52.316	0
20	10	Biased	52.316	52.316	0
21	10	Biased	52.316	52.316	0
22	30	Biased	52.316	52.316	0
23	30	Biased	52.316	52.316	0
24	30	Biased	52.316	52.316	0
25	30	Biased	52.316	52.316	0
26	30	Biased	52.316	52.316	0
27	30	Unbiased	52.316	52.316	0
28	30	Unbiased	52.316	52.316	0
29	30	Unbiased	52.316	52.316	0
30	30	Unbiased	52.316	52.316	0
31	30	Unbiased	52.316	52.316	0
32	50	Biased	52.316	52.316	0
33	50	Biased	52.316	52.316	0
34	50	Biased	52.316	52.316	0
35	50	Biased	52.316	52.316	0
36	50	Biased	52.316	52.316	0
37	50	Unbiased	52.316	52.316	0
39	50	Unbiased	52.316	52.316	0
40	50	Unbiased	52.316	52.316	0
41	50	Unbiased	52.316	52.316	0
42	50	Unbiased	52.316	52.316	0
43	100	Biased	52.316	52.316	0
44	100	Biased	52.316	52.316	0
45	100	Biased	52.316	52.316	0
46	100	Biased	52.316	52.316	0
47	100	Biased	52.316	52.316	0
48	100	Unbiased	52.316	52.316	0
49	100	Unbiased	52.316	52.316	0
50	100	Unbiased	52.316	52.316	0
51	100	Unbiased	52.316	52.316	0
52	100	Unbiased	52.316	52.316	0
53	0	Correlation	52.316	52.316	0
54	0	Correlation	52.316	52.316	0
55	0	Correlation	52.316	52.316	0
56	0	Correlation	52.316	52.316	0

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	52.316	52.316	52.316	0	52.316	52.316	52.316	0	0	0	0	0
3	52.316	52.316	52.316	0	52.316	52.316	52.316	0	0	0	0	0
10	52.316	52.316	52.316	0	52.316	52.316	52.316	0	0	0	0	0
30	52.316	52.316	52.316	0	52.316	52.316	52.316	0	0	0	0	0
50	52.316	52.316	52.316	0	52.316	52.316	52.316	0	0	0	0	0
100	52.316	52.316	52.316	0	52.316	52.316	52.316	0	0	0	0	0

Device Test: 25.16; WDI_HT





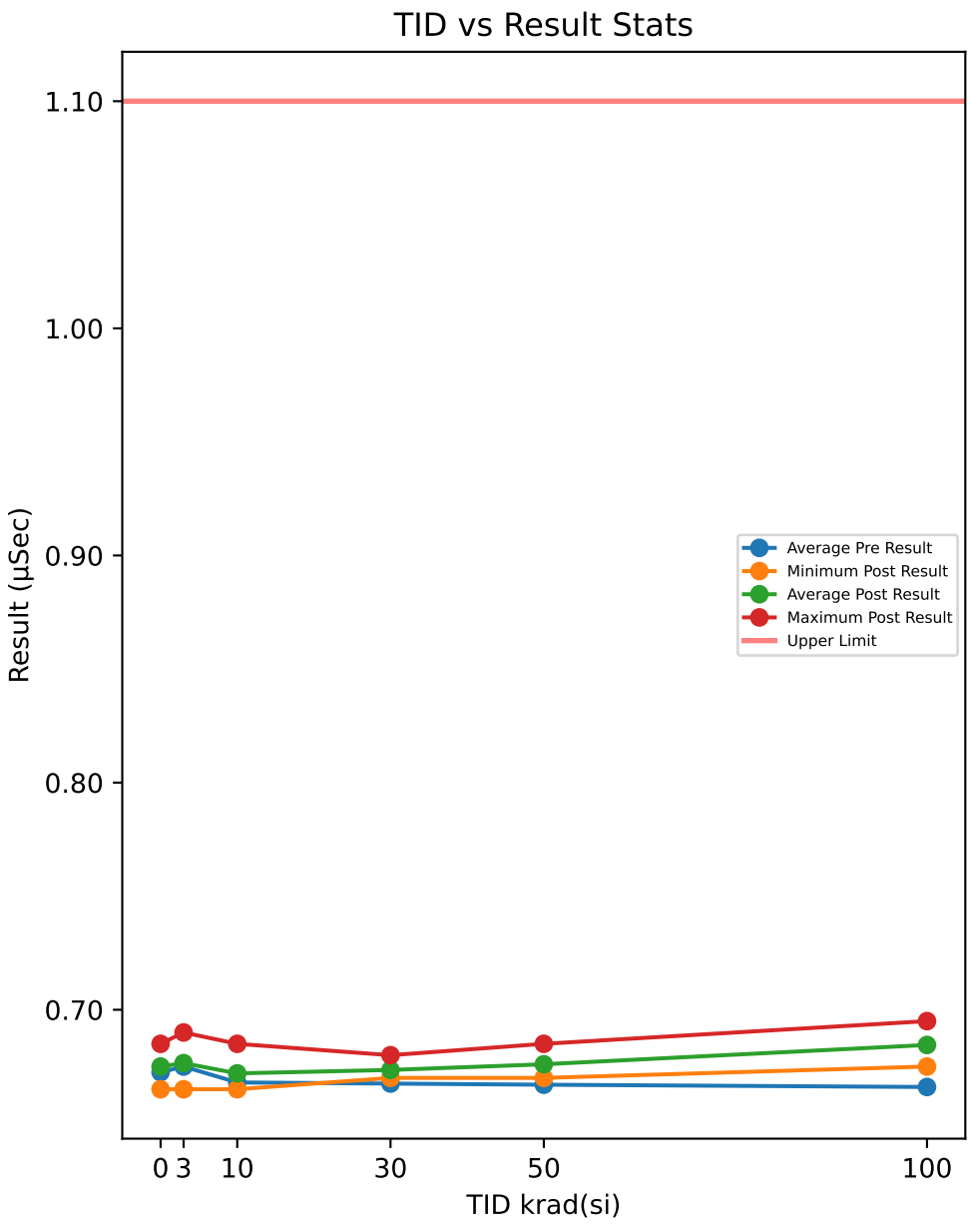
Test Results (Lower Limit = 2.0 (µSec))

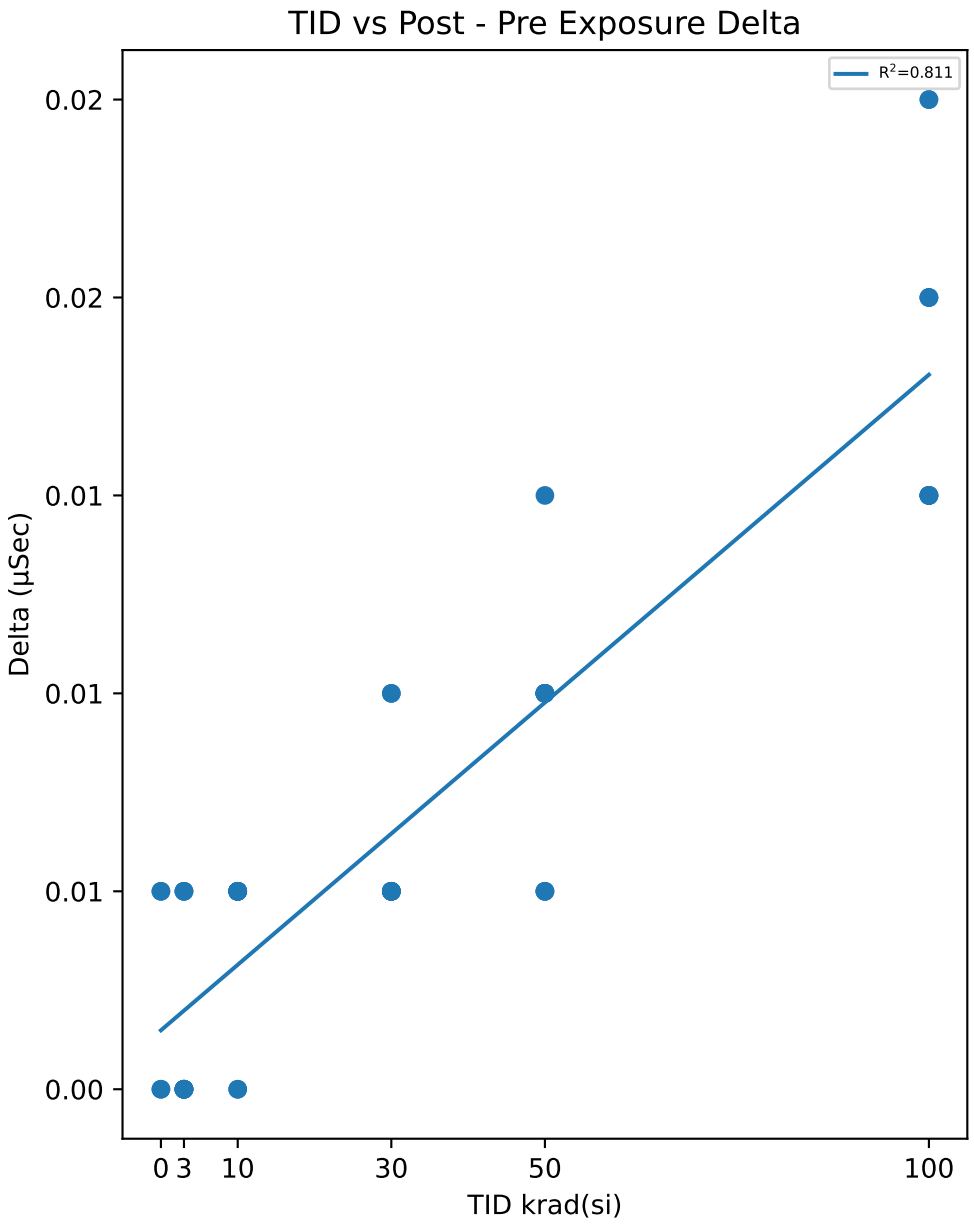
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	52.316	52.316	0
3	3	Biased	52.316	52.316	0
4	3	Biased	52.316	52.316	0
5	3	Biased	52.316	52.316	0
6	3	Biased	52.316	52.316	0
7	3	Unbiased	52.316	52.316	0
8	3	Unbiased	52.316	52.316	0
9	3	Unbiased	52.316	52.316	0
10	3	Unbiased	52.316	52.316	0
11	3	Unbiased	52.316	52.316	0
12	10	Unbiased	52.316	52.316	0
13	10	Unbiased	52.316	52.316	0
14	10	Unbiased	52.316	52.316	0
15	10	Unbiased	52.316	52.316	0
16	10	Unbiased	52.316	52.316	0
17	10	Biased	52.316	52.316	0
18	10	Biased	52.316	52.316	0
19	10	Biased	52.316	52.316	0
20	10	Biased	52.316	52.316	0
21	10	Biased	52.316	52.316	0
22	30	Biased	52.316	52.316	0
23	30	Biased	52.316	52.316	0
24	30	Biased	52.316	52.316	0
25	30	Biased	52.316	52.316	0
26	30	Biased	52.316	52.316	0
27	30	Unbiased	52.316	52.316	0
28	30	Unbiased	52.316	52.316	0
29	30	Unbiased	52.316	52.316	0
30	30	Unbiased	52.316	52.316	0
31	30	Unbiased	52.316	52.316	0
32	50	Biased	52.316	52.316	0
33	50	Biased	52.316	52.316	0
34	50	Biased	52.316	52.316	0
35	50	Biased	52.316	52.316	0
36	50	Biased	52.316	52.316	0
37	50	Unbiased	52.316	52.316	0
39	50	Unbiased	52.316	52.316	0
40	50	Unbiased	52.316	52.316	0
41	50	Unbiased	52.316	52.316	0
42	50	Unbiased	52.316	52.316	0
43	100	Biased	52.316	52.316	0
44	100	Biased	52.316	52.316	0
45	100	Biased	52.316	52.316	0
46	100	Biased	52.316	52.316	0
47	100	Biased	52.316	52.316	0
48	100	Unbiased	52.316	52.316	0
49	100	Unbiased	52.316	52.316	0
50	100	Unbiased	52.316	52.316	0
51	100	Unbiased	52.316	52.316	0
52	100	Unbiased	52.316	52.316	0
53	0	Correlation	52.316	52.316	0
54	0	Correlation	52.316	52.316	0
55	0	Correlation	52.316	52.316	0
56	0	Correlation	52.316	52.316	0

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	52.316	52.316	52.316	0	52.316	52.316	52.316	0	0	0	0	0
3	52.316	52.316	52.316	0	52.316	52.316	52.316	0	0	0	0	0
10	52.316	52.316	52.316	0	52.316	52.316	52.316	0	0	0	0	0
30	52.316	52.316	52.316	0	52.316	52.316	52.316	0	0	0	0	0
50	52.316	52.316	52.316	0	52.316	52.316	52.316	0	0	0	0	0
100	52.316	52.316	52.316	0	52.316	52.316	52.316	0	0	0	0	0

Device Test: 25.2; SR_UVLO_HT





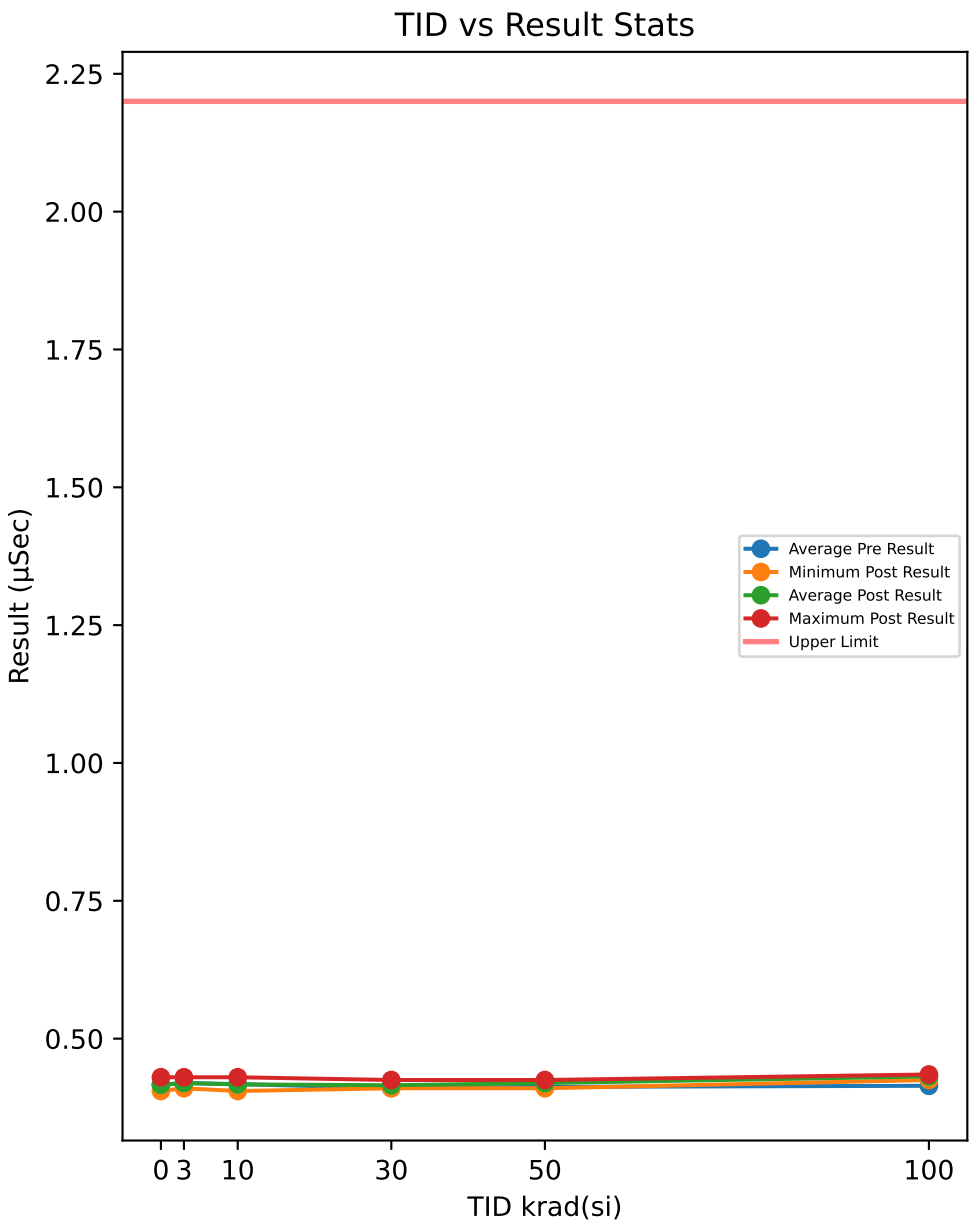
Test Results (Upper Limit = 1.1 (µSec))

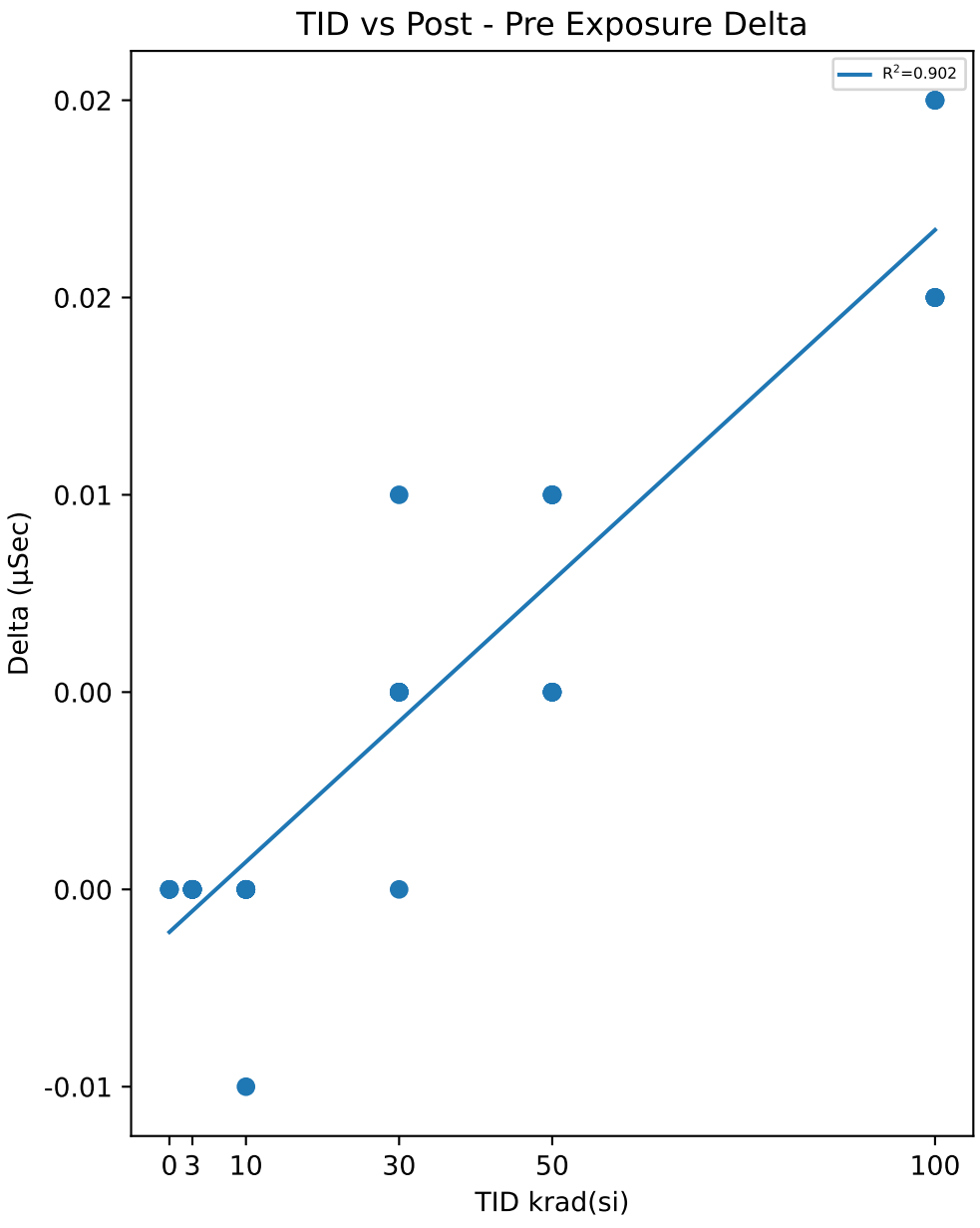
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.675	0.675	0
3	3	Biased	0.675	0.675	0
4	3	Biased	0.685	0.69	0.005
5	3	Biased	0.675	0.675	0
6	3	Biased	0.675	0.675	0
7	3	Unbiased	0.675	0.68	0.005
8	3	Unbiased	0.675	0.675	0
9	3	Unbiased	0.665	0.665	0
10	3	Unbiased	0.68	0.685	0.005
11	3	Unbiased	0.67	0.67	0
12	10	Unbiased	0.67	0.675	0.005
13	10	Unbiased	0.665	0.67	0.005
14	10	Unbiased	0.66	0.665	0.005
15	10	Unbiased	0.665	0.67	0.005
16	10	Unbiased	0.67	0.675	0.005
17	10	Biased	0.67	0.67	0
18	10	Biased	0.665	0.67	0.005
19	10	Biased	0.685	0.685	0
20	10	Biased	0.665	0.67	0.005
21	10	Biased	0.665	0.67	0.005
22	30	Biased	0.665	0.67	0.005
23	30	Biased	0.675	0.68	0.005
24	30	Biased	0.665	0.67	0.005
25	30	Biased	0.67	0.675	0.005
26	30	Biased	0.67	0.675	0.005
27	30	Unbiased	0.67	0.675	0.005
28	30	Unbiased	0.665	0.67	0.005
29	30	Unbiased	0.665	0.675	0.01
30	30	Unbiased	0.665	0.675	0.01
31	30	Unbiased	0.665	0.67	0.005
32	50	Biased	0.67	0.675	0.005
33	50	Biased	0.67	0.675	0.005
34	50	Biased	0.665	0.675	0.01
35	50	Biased	0.665	0.675	0.01
36	50	Biased	0.665	0.67	0.005
37	50	Unbiased	0.665	0.675	0.01
39	50	Unbiased	0.665	0.675	0.01
40	50	Unbiased	0.67	0.68	0.01
41	50	Unbiased	0.665	0.675	0.01
42	50	Unbiased	0.67	0.685	0.015
43	100	Biased	0.665	0.68	0.015
44	100	Biased	0.66	0.675	0.015
45	100	Biased	0.67	0.685	0.015
46	100	Biased	0.675	0.69	0.015
47	100	Biased	0.665	0.68	0.015
48	100	Unbiased	0.67	0.695	0.025
49	100	Unbiased	0.66	0.685	0.025
50	100	Unbiased	0.66	0.68	0.02
51	100	Unbiased	0.665	0.685	0.02
52	100	Unbiased	0.67	0.69	0.02
53	0	Correlation	0.675	0.675	0
54	0	Correlation	0.665	0.665	0
55	0	Correlation	0.68	0.685	0.005
56	0	Correlation	0.67	0.675	0.005

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.665	0.6725	0.68	0.006455	0.665	0.675	0.685	0.008165	0	0.0025	0.005	0.0028868
3	0.665	0.675	0.685	0.0052705	0.665	0.6765	0.69	0.0070907	0	0.0015	0.005	0.0024152
10	0.66	0.668	0.685	0.0067495	0.665	0.672	0.685	0.0053748	0	0.004	0.005	0.0021082
30	0.665	0.6675	0.675	0.0035355	0.67	0.6735	0.68	0.0033747	0.005	0.006	0.01	0.0021082
50	0.665	0.667	0.67	0.002582	0.67	0.676	0.685	0.0039441	0.005	0.009	0.015	0.0031623
100	0.66	0.666	0.675	0.005164	0.675	0.6845	0.695	0.0059861	0.015	0.0185	0.025	0.0041164

Device Test: 25.3; SENSE_F_HT_PP





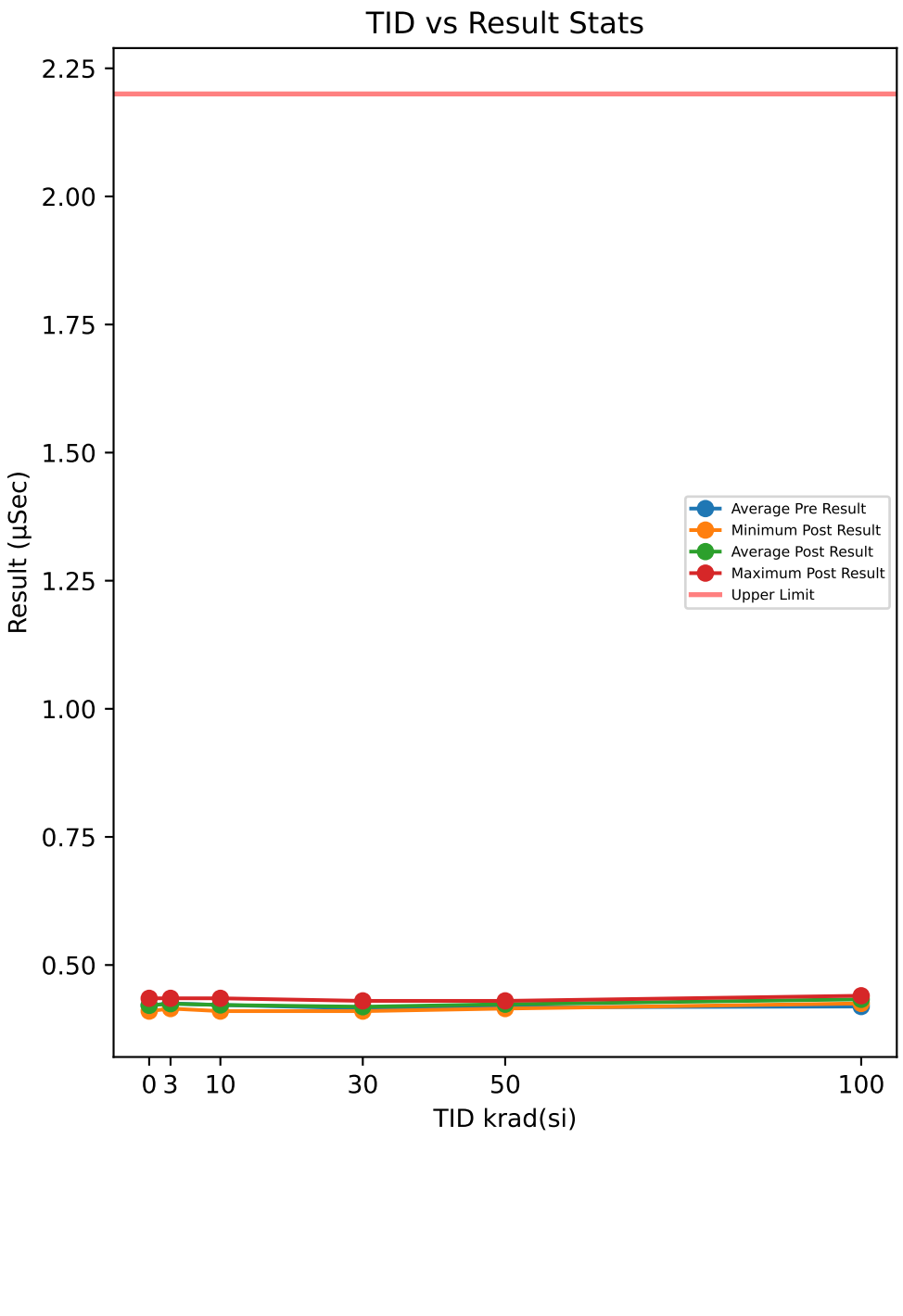
Test Results (Upper Limit = 2.2 (µSec))

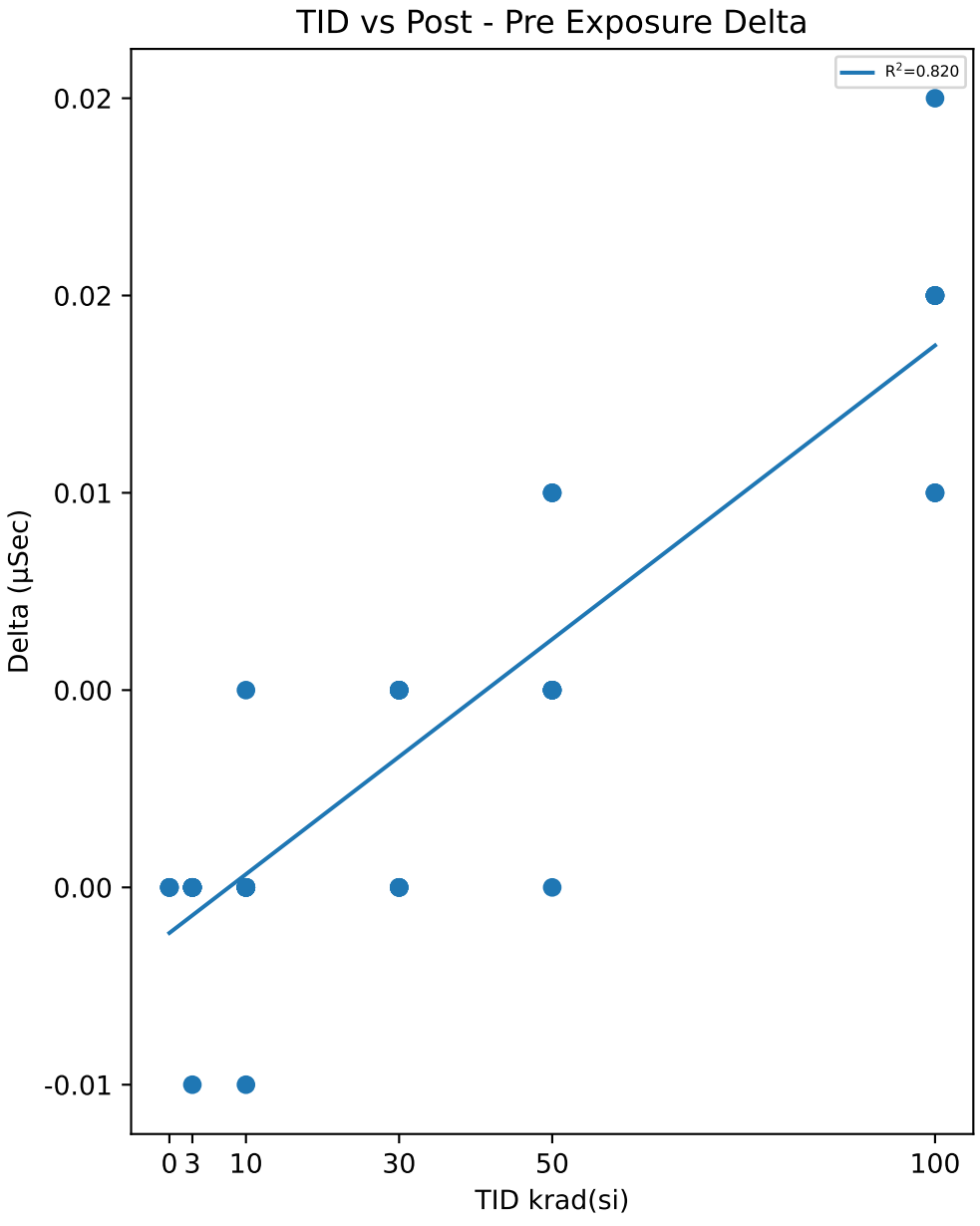
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.415	0.415	0
3	3	Biased	0.43	0.43	0
4	3	Biased	0.425	0.425	0
5	3	Biased	0.415	0.415	0
6	3	Biased	0.425	0.425	0
7	3	Unbiased	0.41	0.41	0
8	3	Unbiased	0.42	0.42	0
9	3	Unbiased	0.415	0.415	0
10	3	Unbiased	0.415	0.415	0
11	3	Unbiased	0.425	0.425	0
12	10	Unbiased	0.41	0.405	-0.005
13	10	Unbiased	0.41	0.41	0
14	10	Unbiased	0.41	0.41	0
15	10	Unbiased	0.415	0.415	0
16	10	Unbiased	0.42	0.42	0
17	10	Biased	0.425	0.425	0
18	10	Biased	0.42	0.42	0
19	10	Biased	0.425	0.425	0
20	10	Biased	0.43	0.43	0
21	10	Biased	0.41	0.41	0
22	30	Biased	0.41	0.42	0.01
23	30	Biased	0.41	0.41	0
24	30	Biased	0.405	0.41	0.005
25	30	Biased	0.42	0.425	0.005
26	30	Biased	0.41	0.415	0.005
27	30	Unbiased	0.415	0.42	0.005
28	30	Unbiased	0.41	0.415	0.005
29	30	Unbiased	0.405	0.41	0.005
30	30	Unbiased	0.405	0.41	0.005
31	30	Unbiased	0.415	0.42	0.005
32	50	Biased	0.41	0.42	0.01
33	50	Biased	0.41	0.415	0.005
34	50	Biased	0.415	0.42	0.005
35	50	Biased	0.415	0.42	0.005
36	50	Biased	0.41	0.415	0.005
37	50	Unbiased	0.42	0.425	0.005
39	50	Unbiased	0.41	0.42	0.01
40	50	Unbiased	0.42	0.425	0.005
41	50	Unbiased	0.4	0.41	0.01
42	50	Unbiased	0.415	0.425	0.01
43	100	Biased	0.415	0.43	0.015
44	100	Biased	0.415	0.435	0.02
45	100	Biased	0.415	0.43	0.015
46	100	Biased	0.42	0.435	0.015
47	100	Biased	0.415	0.43	0.015
48	100	Unbiased	0.41	0.43	0.02
49	100	Unbiased	0.42	0.435	0.015
50	100	Unbiased	0.41	0.43	0.02
51	100	Unbiased	0.42	0.435	0.015
52	100	Unbiased	0.405	0.425	0.02
53	0	Correlation	0.405	0.405	0
54	0	Correlation	0.405	0.405	0
55	0	Correlation	0.425	0.425	0
56	0	Correlation	0.43	0.43	0

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.405	0.41625	0.43	0.01315	0.405	0.41625	0.43	0.01315	0	0	0	0
3	0.41	0.4195	0.43	0.0064334	0.41	0.4195	0.43	0.0064334	0	0	0	0
10	0.41	0.4175	0.43	0.0075462	0.405	0.417	0.43	0.0082327	-0.005	-0.0005	0	0.0015811
30	0.405	0.4105	0.42	0.0049721	0.41	0.4155	0.425	0.0055025	0	0.005	0.01	0.002357
50	0.4	0.4125	0.42	0.0058926	0.41	0.4195	0.425	0.0049721	0.005	0.007	0.01	0.002582
100	0.405	0.4145	0.42	0.0049721	0.425	0.4315	0.435	0.0033747	0.015	0.017	0.02	0.002582

Device Test: 25.4; SENSE_F_HT_PP





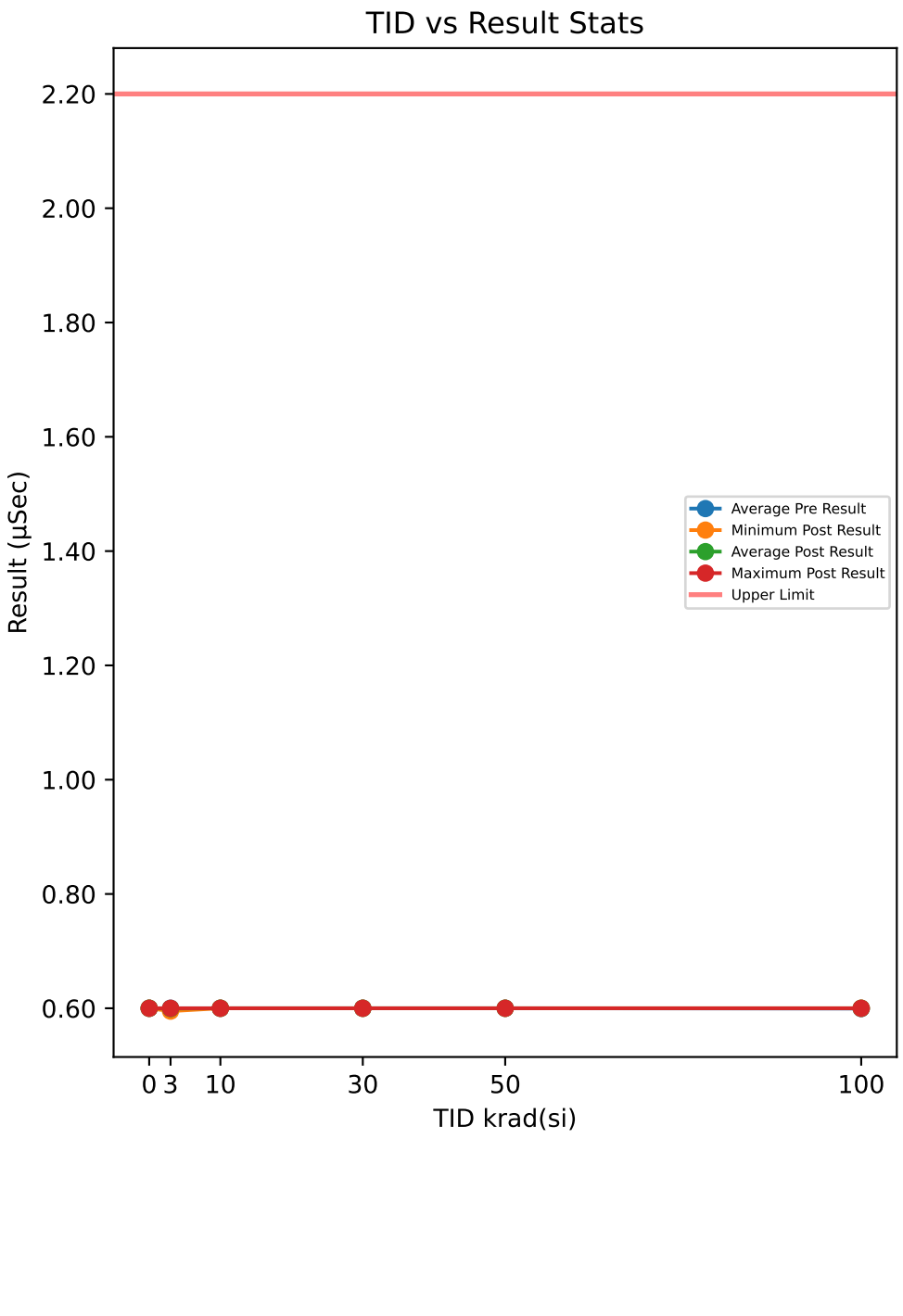
Test Results (Upper Limit = 2.2 (µSec))

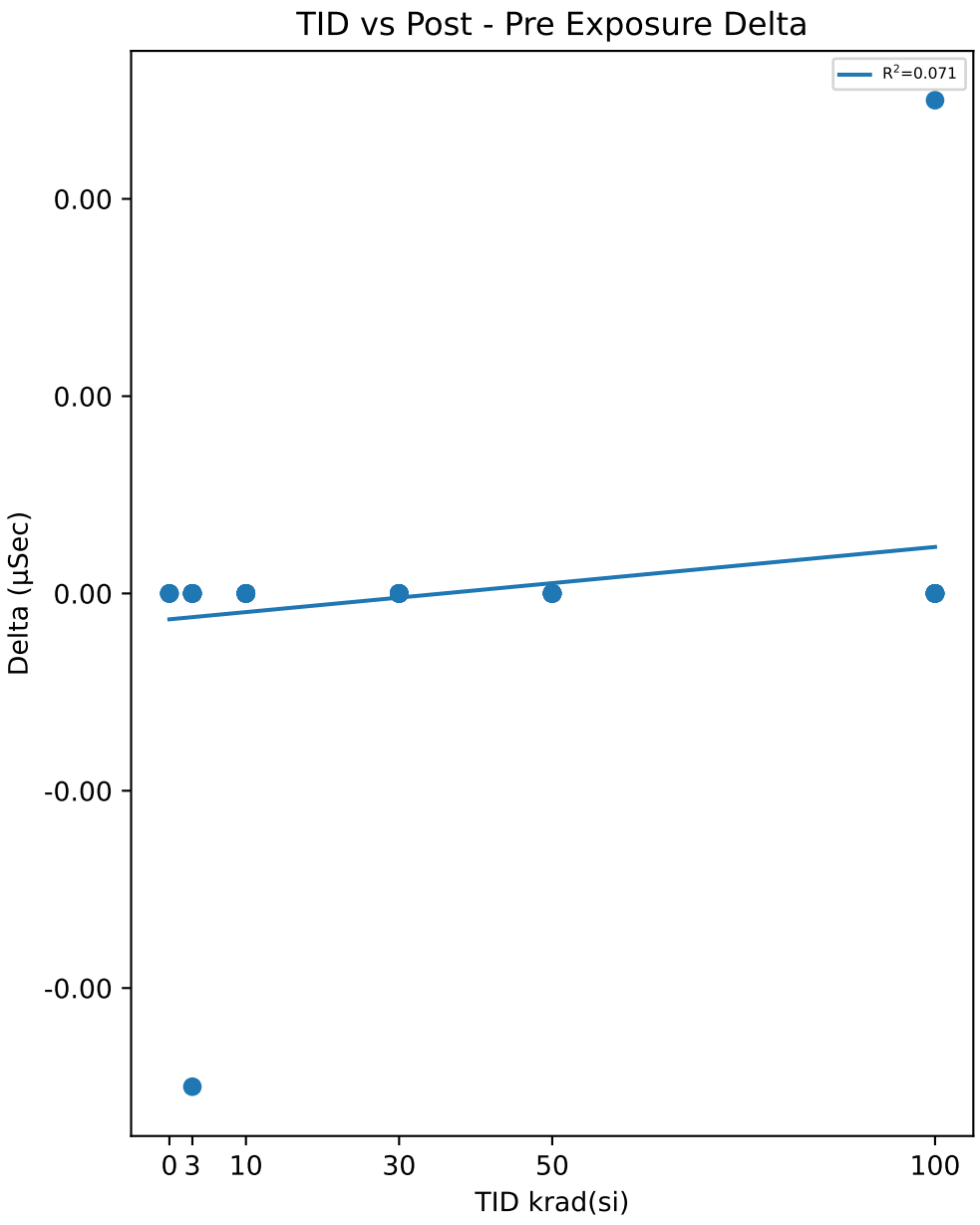
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.42	0.42	0
3	3	Biased	0.44	0.435	-0.005
4	3	Biased	0.43	0.43	0
5	3	Biased	0.42	0.42	0
6	3	Biased	0.43	0.43	0
7	3	Unbiased	0.415	0.415	0
8	3	Unbiased	0.425	0.425	0
9	3	Unbiased	0.42	0.42	0
10	3	Unbiased	0.42	0.42	0
11	3	Unbiased	0.43	0.43	0
12	10	Unbiased	0.415	0.41	-0.005
13	10	Unbiased	0.415	0.415	0
14	10	Unbiased	0.415	0.415	0
15	10	Unbiased	0.42	0.42	0
16	10	Unbiased	0.42	0.425	0.005
17	10	Biased	0.43	0.43	0
18	10	Biased	0.425	0.425	0
19	10	Biased	0.43	0.43	0
20	10	Biased	0.435	0.435	0
21	10	Biased	0.415	0.415	0
22	30	Biased	0.415	0.42	0.005
23	30	Biased	0.415	0.415	0
24	30	Biased	0.41	0.41	0
25	30	Biased	0.425	0.43	0.005
26	30	Biased	0.415	0.42	0.005
27	30	Unbiased	0.42	0.42	0
28	30	Unbiased	0.415	0.42	0.005
29	30	Unbiased	0.41	0.415	0.005
30	30	Unbiased	0.41	0.415	0.005
31	30	Unbiased	0.42	0.42	0
32	50	Biased	0.415	0.425	0.01
33	50	Biased	0.415	0.415	0
34	50	Biased	0.42	0.425	0.005
35	50	Biased	0.42	0.425	0.005
36	50	Biased	0.415	0.42	0.005
37	50	Unbiased	0.425	0.43	0.005
39	50	Unbiased	0.415	0.42	0.005
40	50	Unbiased	0.425	0.43	0.005
41	50	Unbiased	0.405	0.415	0.01
42	50	Unbiased	0.42	0.43	0.01
43	100	Biased	0.42	0.43	0.01
44	100	Biased	0.42	0.435	0.015
45	100	Biased	0.42	0.435	0.015
46	100	Biased	0.425	0.435	0.01
47	100	Biased	0.42	0.435	0.015
48	100	Unbiased	0.41	0.43	0.02
49	100	Unbiased	0.425	0.435	0.01
50	100	Unbiased	0.415	0.43	0.015
51	100	Unbiased	0.425	0.44	0.015
52	100	Unbiased	0.41	0.425	0.015
53	0	Correlation	0.41	0.41	0
54	0	Correlation	0.41	0.41	0
55	0	Correlation	0.43	0.43	0
56	0	Correlation	0.435	0.435	0

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.41	0.42125	0.435	0.01315	0.41	0.42125	0.435	0.01315	0	0	0	0
3	0.415	0.425	0.44	0.0074536	0.415	0.4245	0.435	0.0064334	-0.005	-0.0005	0	0.0015811
10	0.415	0.422	0.435	0.0075277	0.41	0.422	0.435	0.0082327	-0.005	0	0.005	0.002357
30	0.41	0.4155	0.425	0.0049721	0.41	0.4185	0.43	0.0052967	0	0.003	0.005	0.002582
50	0.405	0.4175	0.425	0.0058926	0.415	0.4235	0.43	0.0057975	0	0.006	0.01	0.0031623
100	0.41	0.419	0.425	0.0056765	0.425	0.433	0.44	0.0042164	0.01	0.014	0.02	0.0031623

Device Test: 25.5; SENSE_F_HT_PP





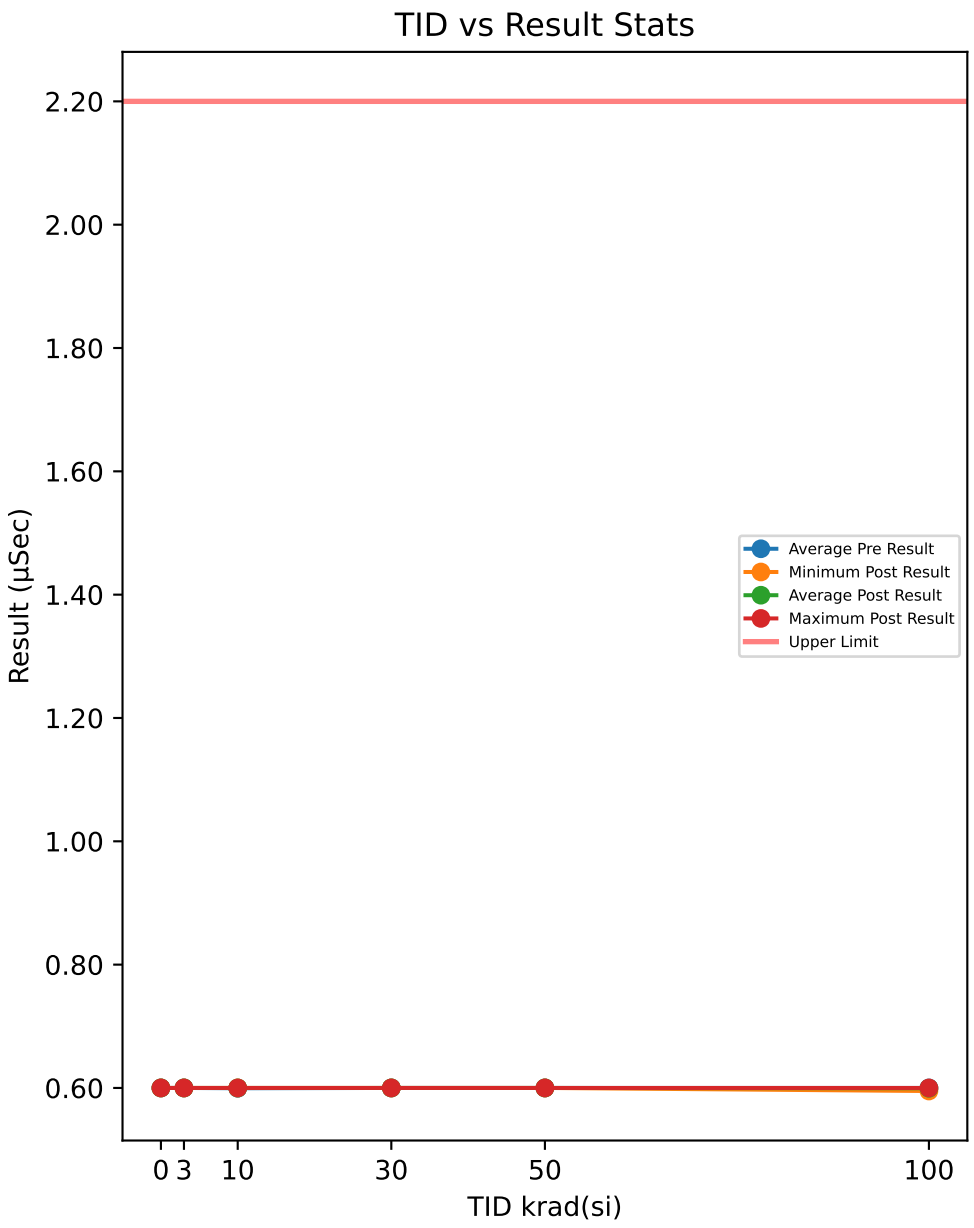
Test Results (Upper Limit = 2.2 (µSec))

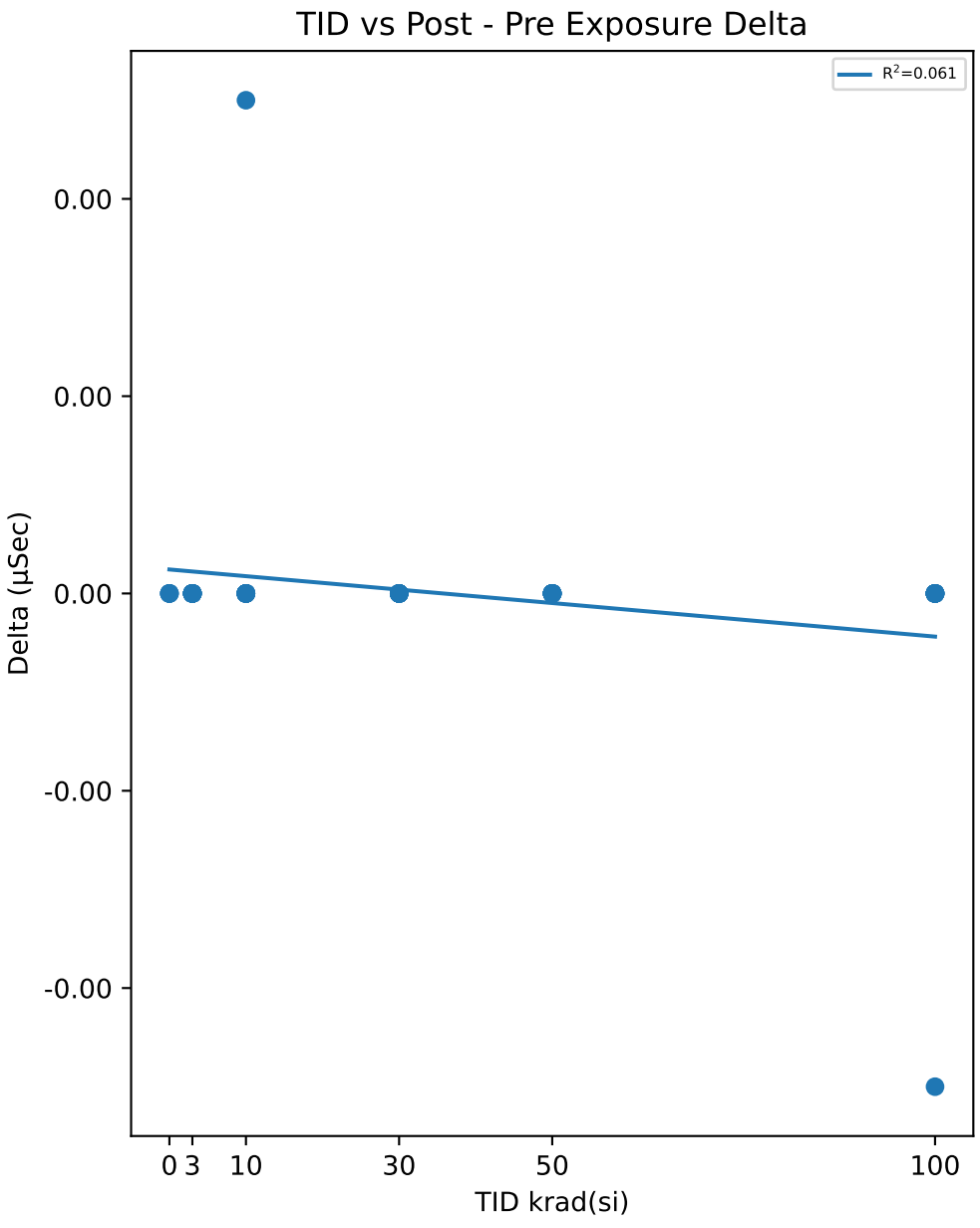
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.6	0.6	0
3	3	Biased	0.6	0.6	0
4	3	Biased	0.6	0.6	0
5	3	Biased	0.6	0.6	0
6	3	Biased	0.6	0.595	-0.005
7	3	Unbiased	0.6	0.6	0
8	3	Unbiased	0.6	0.6	0
9	3	Unbiased	0.6	0.6	0
10	3	Unbiased	0.6	0.6	0
11	3	Unbiased	0.6	0.6	0
12	10	Unbiased	0.6	0.6	0
13	10	Unbiased	0.6	0.6	0
14	10	Unbiased	0.6	0.6	0
15	10	Unbiased	0.6	0.6	0
16	10	Unbiased	0.6	0.6	0
17	10	Biased	0.6	0.6	0
18	10	Biased	0.6	0.6	0
19	10	Biased	0.6	0.6	0
20	10	Biased	0.6	0.6	0
21	10	Biased	0.6	0.6	0
22	30	Biased	0.6	0.6	0
23	30	Biased	0.6	0.6	0
24	30	Biased	0.6	0.6	0
25	30	Biased	0.6	0.6	0
26	30	Biased	0.6	0.6	0
27	30	Unbiased	0.6	0.6	0
28	30	Unbiased	0.6	0.6	0
29	30	Unbiased	0.6	0.6	0
30	30	Unbiased	0.6	0.6	0
31	30	Unbiased	0.6	0.6	0
32	50	Biased	0.6	0.6	0
33	50	Biased	0.6	0.6	0
34	50	Biased	0.6	0.6	0
35	50	Biased	0.6	0.6	0
36	50	Biased	0.6	0.6	0
37	50	Unbiased	0.6	0.6	0
39	50	Unbiased	0.6	0.6	0
40	50	Unbiased	0.6	0.6	0
41	50	Unbiased	0.6	0.6	0
42	50	Unbiased	0.6	0.6	0
43	100	Biased	0.6	0.6	0
44	100	Biased	0.6	0.6	0
45	100	Biased	0.6	0.6	0
46	100	Biased	0.595	0.6	0.005
47	100	Biased	0.6	0.6	0
48	100	Unbiased	0.6	0.6	0
49	100	Unbiased	0.6	0.6	0
50	100	Unbiased	0.6	0.6	0
51	100	Unbiased	0.6	0.6	0
52	100	Unbiased	0.6	0.6	0
53	0	Correlation	0.6	0.6	0
54	0	Correlation	0.6	0.6	0
55	0	Correlation	0.6	0.6	0
56	0	Correlation	0.6	0.6	0

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
3	0.6	0.6	0.6	0	0.595	0.5995	0.6	0.0015811	-0.005	-0.0005	0	0.0015811
10	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
30	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
50	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
100	0.595	0.5995	0.6	0.0015811	0.6	0.6	0.6	0	0	0.0005	0.005	0.0015811

Device Test: 25.6; SENSE_F_HT_PP





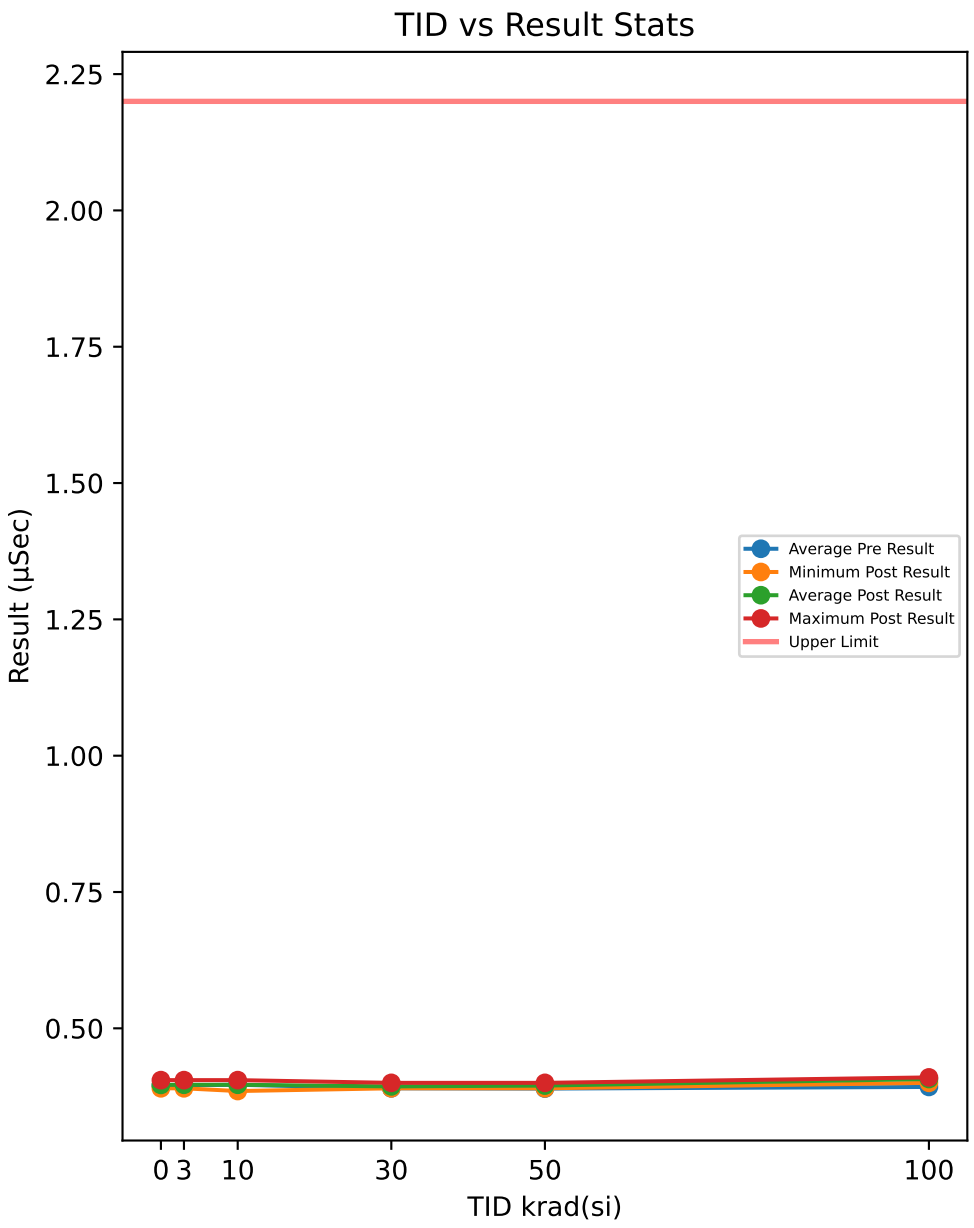
Test Results (Upper Limit = 2.2 (µSec))

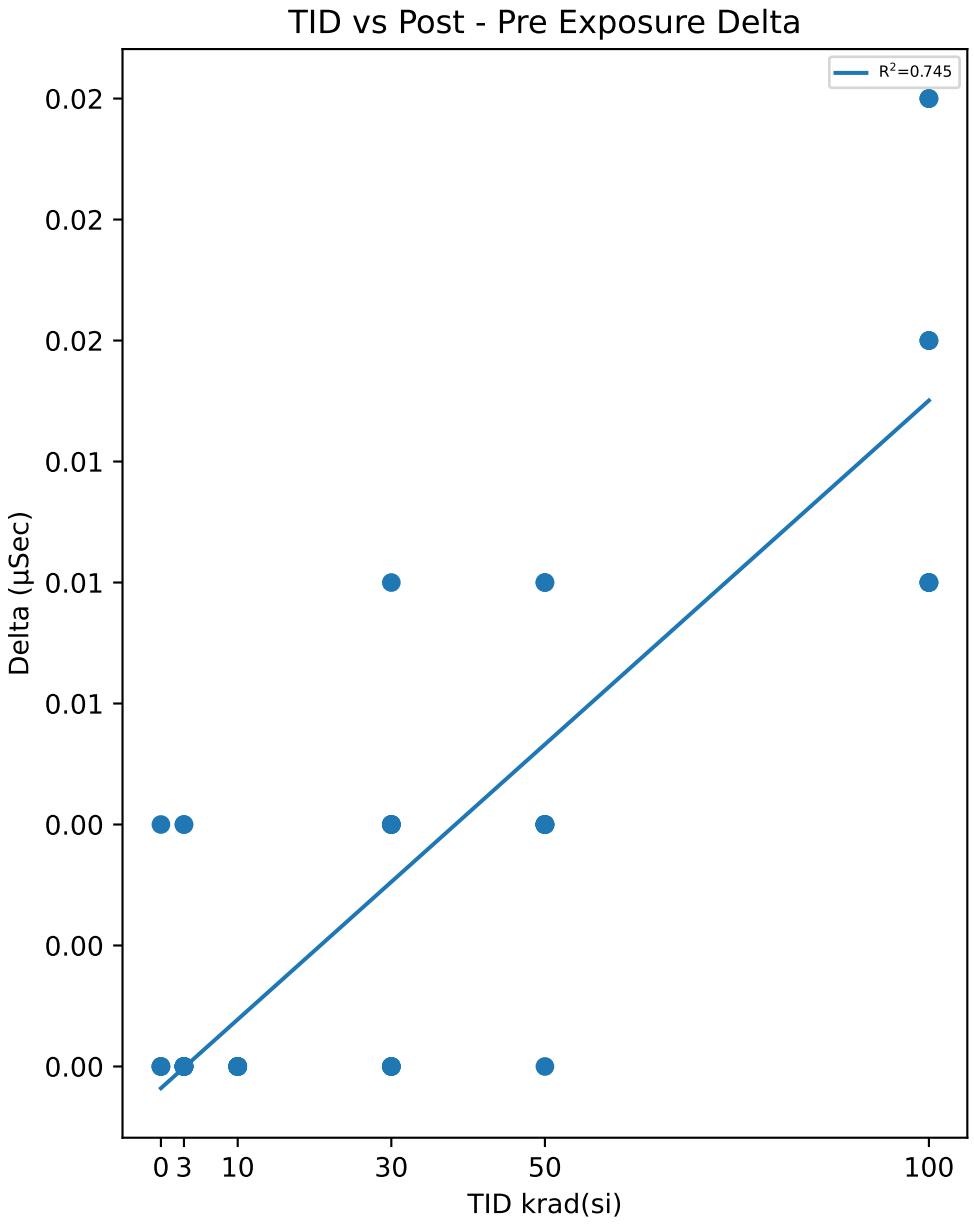
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.6	0.6	0
3	3	Biased	0.6	0.6	0
4	3	Biased	0.6	0.6	0
5	3	Biased	0.6	0.6	0
6	3	Biased	0.6	0.6	0
7	3	Unbiased	0.6	0.6	0
8	3	Unbiased	0.6	0.6	0
9	3	Unbiased	0.6	0.6	0
10	3	Unbiased	0.6	0.6	0
11	3	Unbiased	0.6	0.6	0
12	10	Unbiased	0.6	0.6	0
13	10	Unbiased	0.6	0.6	0
14	10	Unbiased	0.6	0.6	0
15	10	Unbiased	0.6	0.6	0
16	10	Unbiased	0.595	0.6	0.005
17	10	Biased	0.6	0.6	0
18	10	Biased	0.6	0.6	0
19	10	Biased	0.6	0.6	0
20	10	Biased	0.6	0.6	0
21	10	Biased	0.6	0.6	0
22	30	Biased	0.6	0.6	0
23	30	Biased	0.6	0.6	0
24	30	Biased	0.6	0.6	0
25	30	Biased	0.6	0.6	0
26	30	Biased	0.6	0.6	0
27	30	Unbiased	0.6	0.6	0
28	30	Unbiased	0.6	0.6	0
29	30	Unbiased	0.6	0.6	0
30	30	Unbiased	0.6	0.6	0
31	30	Unbiased	0.6	0.6	0
32	50	Biased	0.6	0.6	0
33	50	Biased	0.6	0.6	0
34	50	Biased	0.6	0.6	0
35	50	Biased	0.6	0.6	0
36	50	Biased	0.6	0.6	0
37	50	Unbiased	0.6	0.6	0
39	50	Unbiased	0.6	0.6	0
40	50	Unbiased	0.6	0.6	0
41	50	Unbiased	0.6	0.6	0
42	50	Unbiased	0.6	0.6	0
43	100	Biased	0.6	0.6	0
44	100	Biased	0.6	0.6	0
45	100	Biased	0.6	0.6	0
46	100	Biased	0.6	0.6	0
47	100	Biased	0.6	0.6	0
48	100	Unbiased	0.6	0.6	0
49	100	Unbiased	0.6	0.6	0
50	100	Unbiased	0.6	0.6	0
51	100	Unbiased	0.6	0.6	0
52	100	Unbiased	0.6	0.595	-0.005
53	0	Correlation	0.6	0.6	0
54	0	Correlation	0.6	0.6	0
55	0	Correlation	0.6	0.6	0
56	0	Correlation	0.6	0.6	0

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
3	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
10	0.595	0.5995	0.6	0.0015811	0.6	0.6	0.6	0	0	0.0005	0.005	0.0015811
30	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
50	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0
100	0.6	0.6	0.6	0	0.595	0.5995	0.6	0.0015811	-0.005	-0.0005	0	0.0015811

Device Test: 25.7; SENSE_F_HT_PP





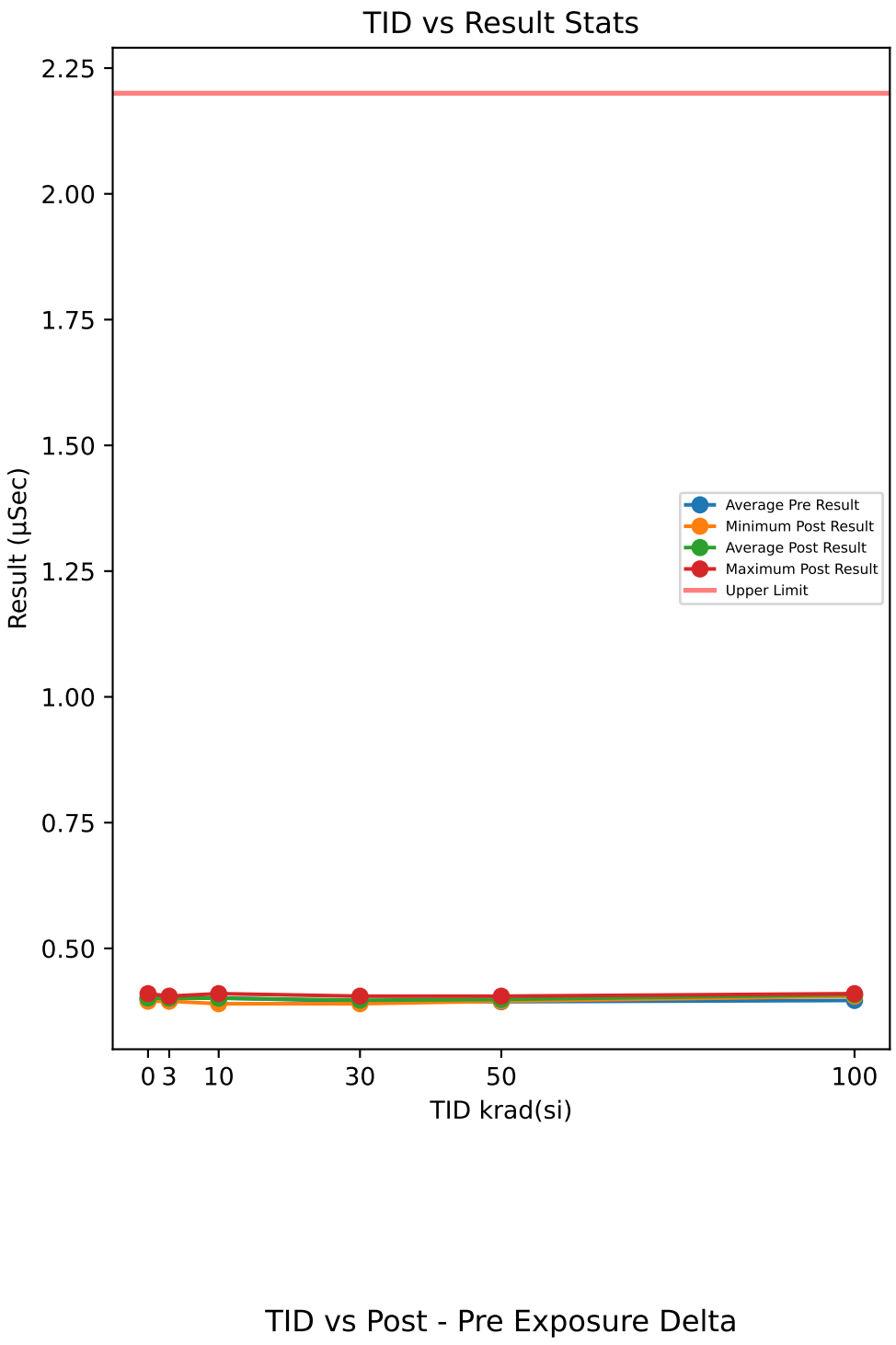
Test Results (Upper Limit = 2.2 (µSec))

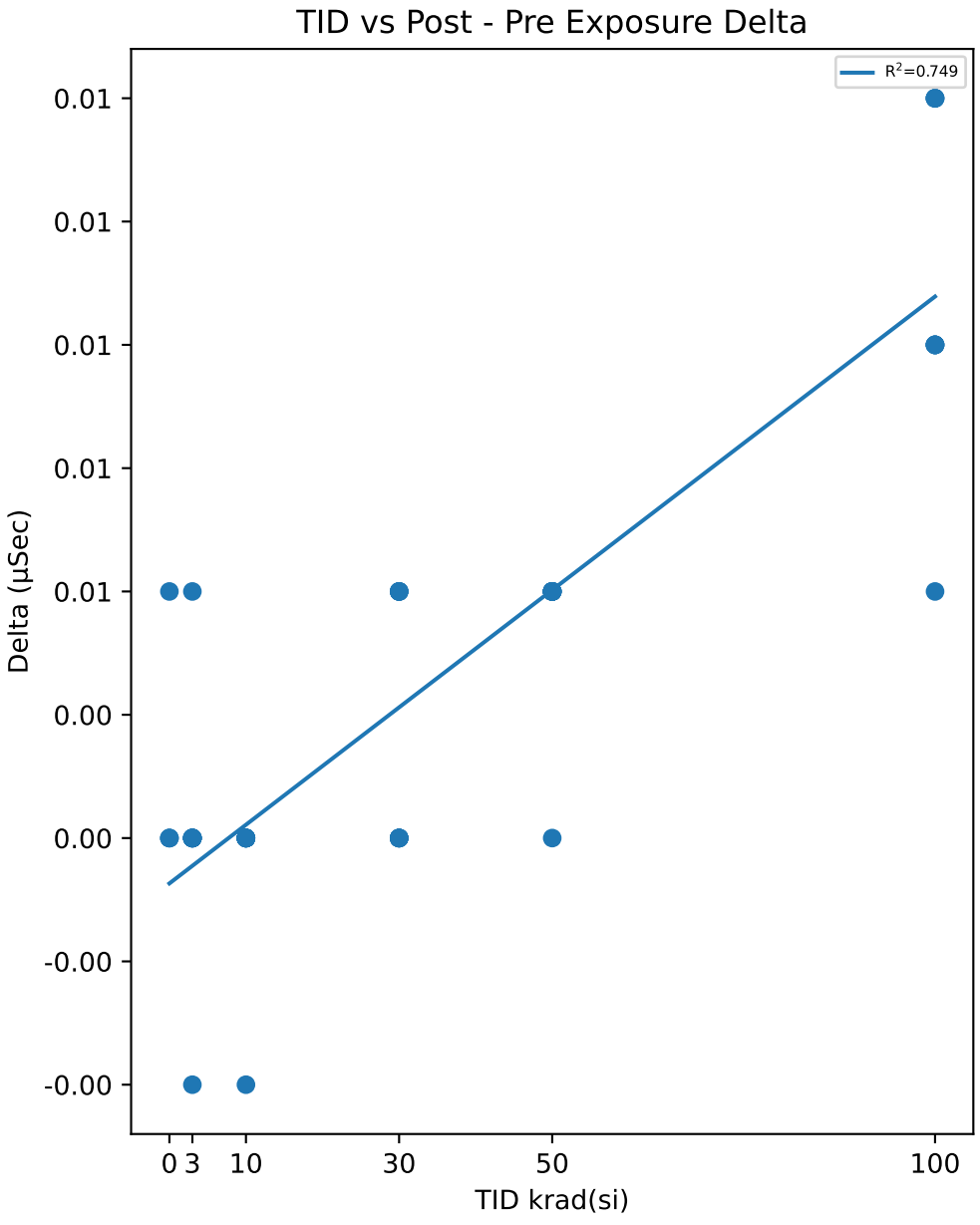
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.395	0.395	0
3	3	Biased	0.395	0.395	0
4	3	Biased	0.4	0.405	0.005
5	3	Biased	0.4	0.4	0
6	3	Biased	0.4	0.4	0
7	3	Unbiased	0.395	0.4	0.005
8	3	Unbiased	0.395	0.395	0
9	3	Unbiased	0.39	0.39	0
10	3	Unbiased	0.395	0.395	0
11	3	Unbiased	0.39	0.39	0
12	10	Unbiased	0.39	0.39	0
13	10	Unbiased	0.4	0.4	0
14	10	Unbiased	0.395	0.395	0
15	10	Unbiased	0.39	0.39	0
16	10	Unbiased	0.4	0.4	0
17	10	Biased	0.405	0.405	0
18	10	Biased	0.4	0.4	0
19	10	Biased	0.4	0.4	0
20	10	Biased	0.4	0.4	0
21	10	Biased	0.385	0.385	0
22	30	Biased	0.39	0.395	0.005
23	30	Biased	0.39	0.395	0.005
24	30	Biased	0.39	0.39	0
25	30	Biased	0.39	0.395	0.005
26	30	Biased	0.39	0.39	0
27	30	Unbiased	0.39	0.395	0.005
28	30	Unbiased	0.39	0.395	0.005
29	30	Unbiased	0.39	0.39	0
30	30	Unbiased	0.38	0.39	0.01
31	30	Unbiased	0.4	0.4	0
32	50	Biased	0.39	0.395	0.005
33	50	Biased	0.385	0.39	0.005
34	50	Biased	0.39	0.395	0.005
35	50	Biased	0.395	0.395	0
36	50	Biased	0.385	0.39	0.005
37	50	Unbiased	0.39	0.4	0.01
39	50	Unbiased	0.39	0.395	0.005
40	50	Unbiased	0.395	0.4	0.005
41	50	Unbiased	0.385	0.395	0.01
42	50	Unbiased	0.39	0.395	0.005
43	100	Biased	0.395	0.405	0.01
44	100	Biased	0.39	0.4	0.01
45	100	Biased	0.4	0.41	0.01
46	100	Biased	0.39	0.405	0.015
47	100	Biased	0.395	0.405	0.01
48	100	Unbiased	0.39	0.41	0.02
49	100	Unbiased	0.39	0.41	0.02
50	100	Unbiased	0.39	0.405	0.015
51	100	Unbiased	0.395	0.41	0.015
52	100	Unbiased	0.39	0.41	0.02
53	0	Correlation	0.39	0.39	0
54	0	Correlation	0.39	0.39	0
55	0	Correlation	0.4	0.4	0
56	0	Correlation	0.4	0.405	0.005

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.39	0.395	0.4	0.0057735	0.39	0.39625	0.405	0.0075	0	0.00125	0.005	0.0025
3	0.39	0.3955	0.4	0.0036893	0.39	0.3965	0.405	0.0047434	0	0.001	0.005	0.0021082
10	0.385	0.3965	0.405	0.0062583	0.385	0.3965	0.405	0.0062583	0	0	0	0
30	0.38	0.39	0.4	0.004714	0.39	0.3935	0.4	0.0033747	0	0.0035	0.01	0.0033747
50	0.385	0.3895	0.395	0.0036893	0.39	0.395	0.4	0.0033333	0	0.0055	0.01	0.0028382
100	0.39	0.3925	0.4	0.0035355	0.4	0.407	0.41	0.003496	0.01	0.0145	0.02	0.004378

Device Test: 25.8; SENSE_F_HT_PP





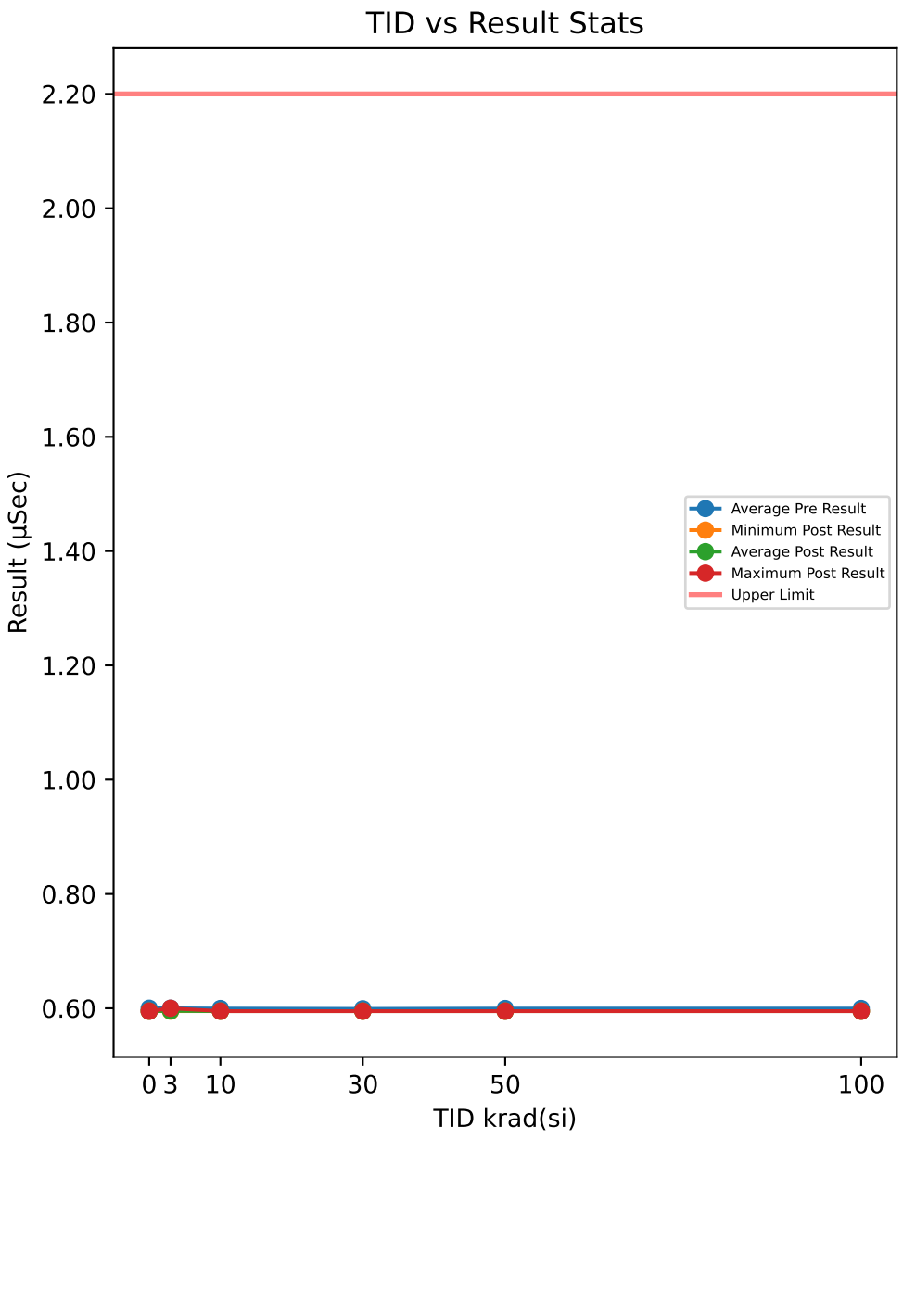
Test Results (Upper Limit = 2.2 (µSec))

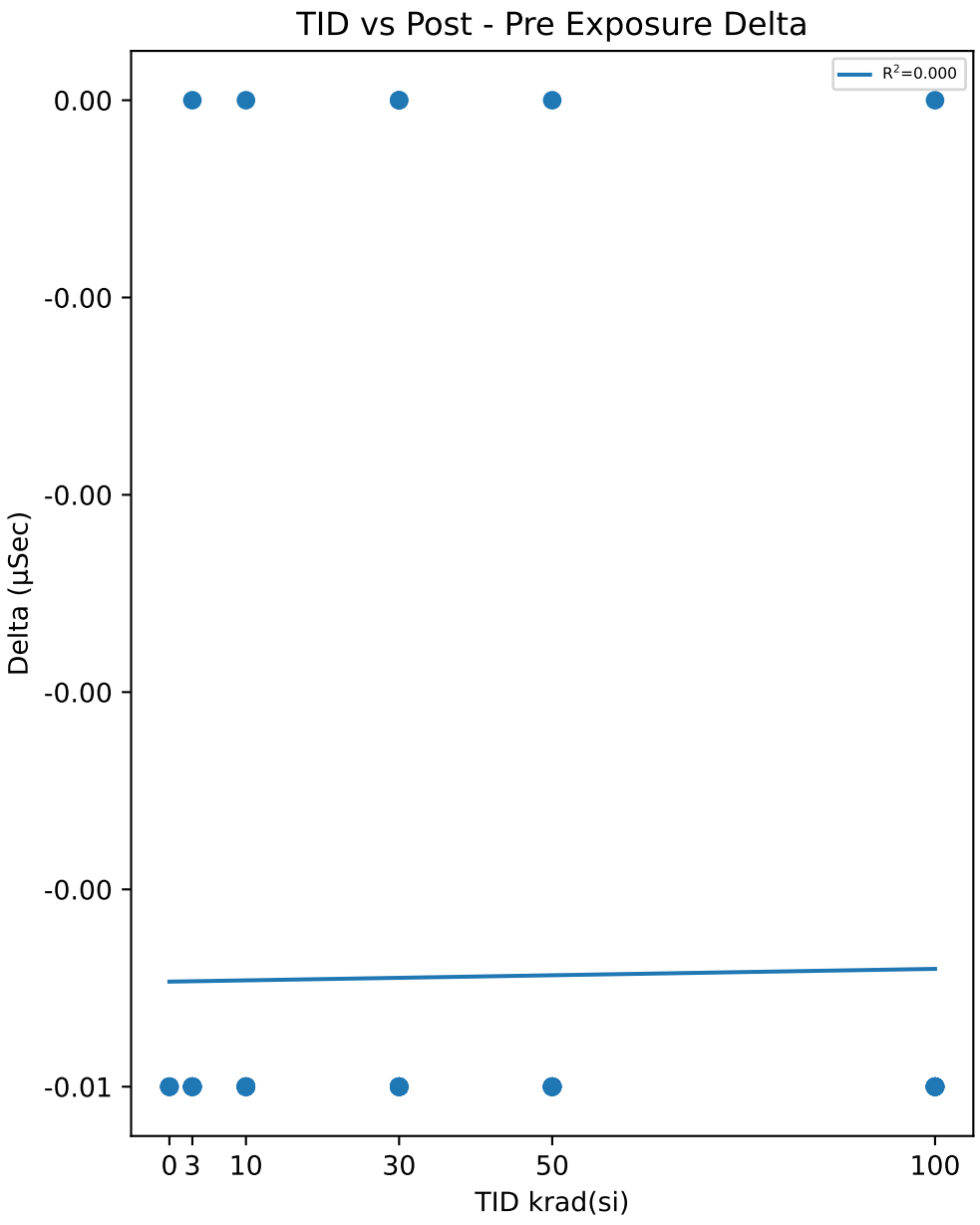
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.4	0.4	0
3	3	Biased	0.4	0.4	0
4	3	Biased	0.41	0.405	-0.005
5	3	Biased	0.405	0.405	0
6	3	Biased	0.405	0.405	0
7	3	Unbiased	0.4	0.405	0.005
8	3	Unbiased	0.4	0.4	0
9	3	Unbiased	0.395	0.395	0
10	3	Unbiased	0.4	0.4	0
11	3	Unbiased	0.395	0.395	0
12	10	Unbiased	0.395	0.395	0
13	10	Unbiased	0.405	0.405	0
14	10	Unbiased	0.4	0.395	-0.005
15	10	Unbiased	0.395	0.395	0
16	10	Unbiased	0.405	0.405	0
17	10	Biased	0.41	0.41	0
18	10	Biased	0.405	0.405	0
19	10	Biased	0.405	0.405	0
20	10	Biased	0.405	0.405	0
21	10	Biased	0.39	0.39	0
22	30	Biased	0.395	0.395	0
23	30	Biased	0.395	0.395	0
24	30	Biased	0.395	0.395	0
25	30	Biased	0.395	0.4	0.005
26	30	Biased	0.395	0.395	0
27	30	Unbiased	0.395	0.4	0.005
28	30	Unbiased	0.395	0.4	0.005
29	30	Unbiased	0.395	0.395	0
30	30	Unbiased	0.385	0.39	0.005
31	30	Unbiased	0.405	0.405	0
32	50	Biased	0.395	0.4	0.005
33	50	Biased	0.39	0.395	0.005
34	50	Biased	0.395	0.4	0.005
35	50	Biased	0.4	0.4	0
36	50	Biased	0.39	0.395	0.005
37	50	Unbiased	0.395	0.4	0.005
39	50	Unbiased	0.395	0.4	0.005
40	50	Unbiased	0.4	0.405	0.005
41	50	Unbiased	0.39	0.395	0.005
42	50	Unbiased	0.39	0.395	0.005
43	100	Biased	0.395	0.405	0.01
44	100	Biased	0.395	0.405	0.01
45	100	Biased	0.405	0.41	0.005
46	100	Biased	0.395	0.405	0.01
47	100	Biased	0.4	0.41	0.01
48	100	Unbiased	0.395	0.41	0.015
49	100	Unbiased	0.395	0.41	0.015
50	100	Unbiased	0.39	0.405	0.015
51	100	Unbiased	0.4	0.41	0.01
52	100	Unbiased	0.395	0.41	0.015
53	0	Correlation	0.395	0.395	0
54	0	Correlation	0.395	0.395	0
55	0	Correlation	0.405	0.405	0
56	0	Correlation	0.405	0.41	0.005

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.395	0.4	0.405	0.0057735	0.395	0.40125	0.41	0.0075	0	0.00125	0.005	0.0025
3	0.395	0.401	0.41	0.0045947	0.395	0.401	0.405	0.0039441	-0.005	5.5511e-18	0.005	0.002357
10	0.39	0.4015	0.41	0.0062583	0.39	0.401	0.41	0.0065828	-0.005	-0.0005	0	0.0015811
30	0.385	0.395	0.405	0.004714	0.39	0.397	0.405	0.0042164	0	0.002	0.005	0.002582
50	0.39	0.394	0.4	0.0039441	0.395	0.3985	0.405	0.0033747	0	0.0045	0.005	0.0015811
100	0.39	0.3965	0.405	0.0041164	0.405	0.408	0.41	0.002582	0.005	0.0115	0.015	0.0033747

Device Test: 25.9; SENSE_F_HT_PP





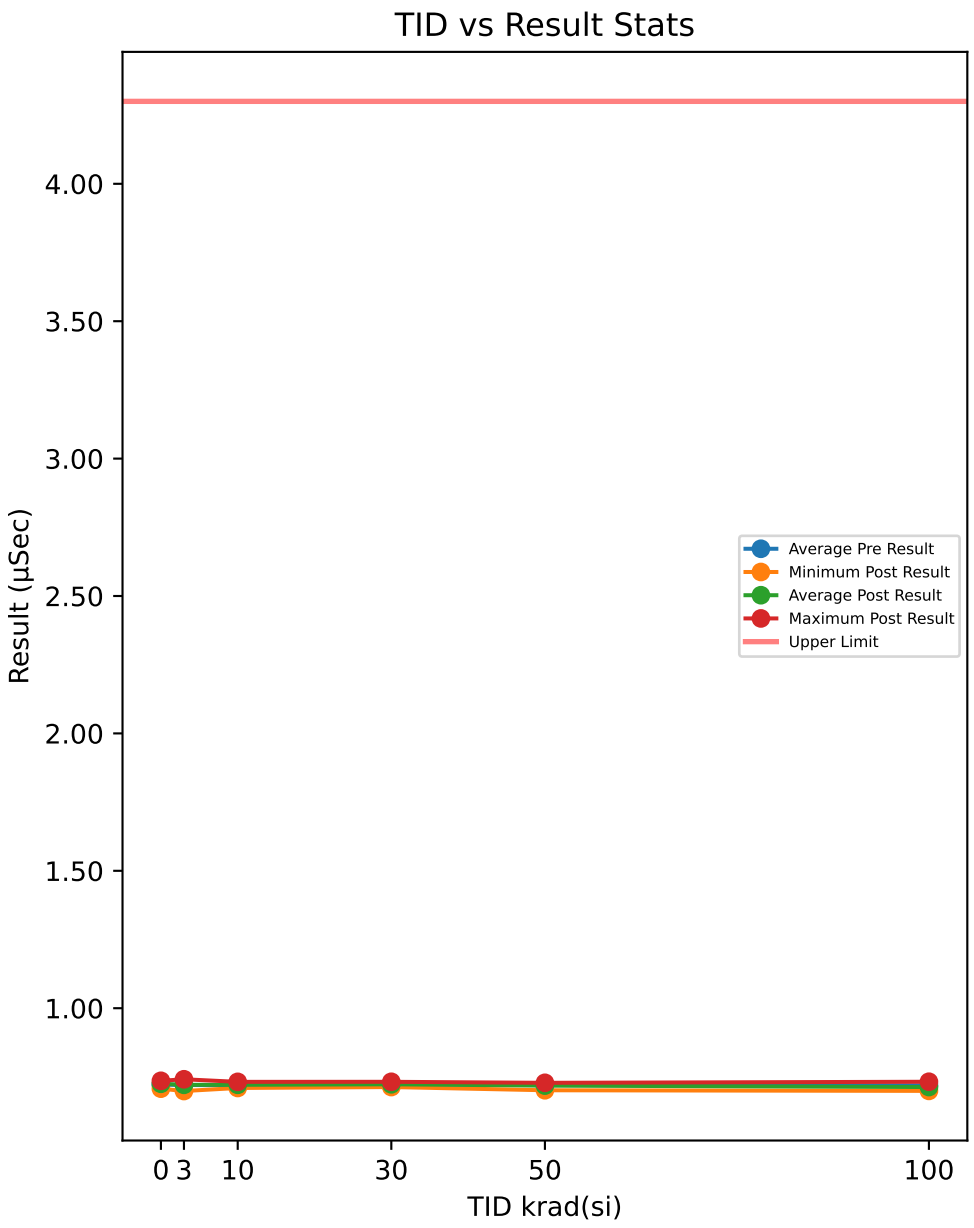
Test Results (Upper Limit = 2.2 (µSec))

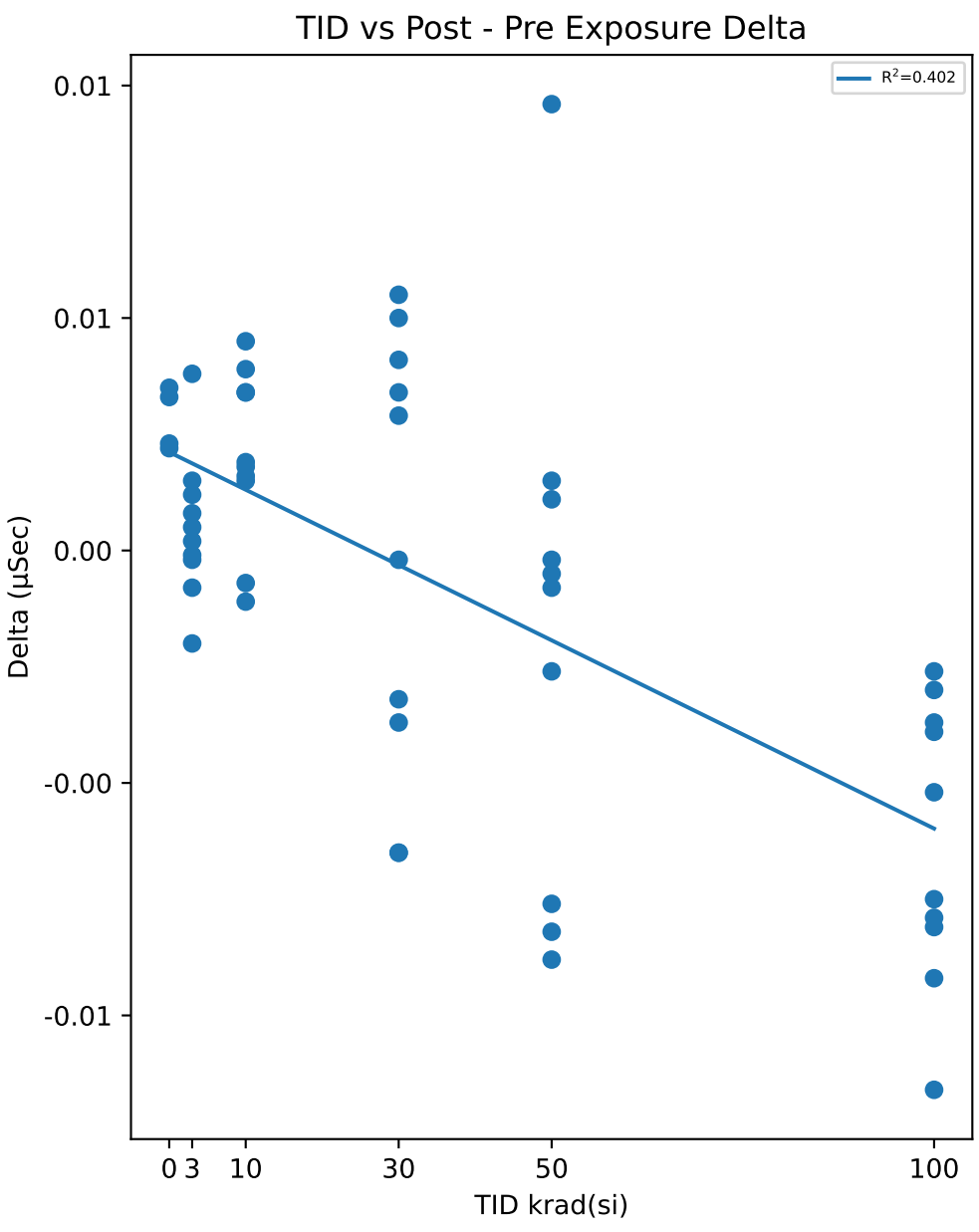
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.6	0.595	-0.005
3	3	Biased	0.6	0.6	0
4	3	Biased	0.6	0.595	-0.005
5	3	Biased	0.6	0.595	-0.005
6	3	Biased	0.6	0.595	-0.005
7	3	Unbiased	0.6	0.595	-0.005
8	3	Unbiased	0.6	0.595	-0.005
9	3	Unbiased	0.6	0.595	-0.005
10	3	Unbiased	0.6	0.595	-0.005
11	3	Unbiased	0.6	0.595	-0.005
12	10	Unbiased	0.6	0.595	-0.005
13	10	Unbiased	0.6	0.595	-0.005
14	10	Unbiased	0.6	0.595	-0.005
15	10	Unbiased	0.6	0.595	-0.005
16	10	Unbiased	0.595	0.595	0
17	10	Biased	0.6	0.595	-0.005
18	10	Biased	0.6	0.595	-0.005
19	10	Biased	0.6	0.595	-0.005
20	10	Biased	0.6	0.595	-0.005
21	10	Biased	0.6	0.595	-0.005
22	30	Biased	0.6	0.595	-0.005
23	30	Biased	0.6	0.595	-0.005
24	30	Biased	0.6	0.595	-0.005
25	30	Biased	0.6	0.595	-0.005
26	30	Biased	0.595	0.595	0
27	30	Unbiased	0.6	0.595	-0.005
28	30	Unbiased	0.6	0.595	-0.005
29	30	Unbiased	0.6	0.595	-0.005
30	30	Unbiased	0.595	0.595	0
31	30	Unbiased	0.6	0.595	-0.005
32	50	Biased	0.6	0.595	-0.005
33	50	Biased	0.6	0.595	-0.005
34	50	Biased	0.6	0.595	-0.005
35	50	Biased	0.6	0.595	-0.005
36	50	Biased	0.6	0.595	-0.005
37	50	Unbiased	0.6	0.595	-0.005
39	50	Unbiased	0.6	0.595	-0.005
40	50	Unbiased	0.6	0.595	-0.005
41	50	Unbiased	0.595	0.595	0
42	50	Unbiased	0.6	0.595	-0.005
43	100	Biased	0.595	0.595	0
44	100	Biased	0.6	0.595	-0.005
45	100	Biased	0.6	0.595	-0.005
46	100	Biased	0.6	0.595	-0.005
47	100	Biased	0.6	0.595	-0.005
48	100	Unbiased	0.6	0.595	-0.005
49	100	Unbiased	0.6	0.595	-0.005
50	100	Unbiased	0.6	0.595	-0.005
51	100	Unbiased	0.6	0.595	-0.005
52	100	Unbiased	0.6	0.595	-0.005
53	0	Correlation	0.6	0.595	-0.005
54	0	Correlation	0.6	0.595	-0.005
55	0	Correlation	0.6	0.595	-0.005
56	0	Correlation	0.6	0.595	-0.005

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6	0.6	0.6	0	0.595	0.595	0.595	0	-0.005	-0.005	-0.005	0
3	0.6	0.6	0.6	0	0.595	0.5955	0.6	0.0015811	-0.005	-0.0045	0	0.0015811
10	0.595	0.5995	0.6	0.0015811	0.595	0.595	0.595	0	-0.005	-0.0045	0	0.0015811
30	0.595	0.599	0.6	0.0021082	0.595	0.595	0.595	0	-0.005	-0.004	0	0.0021082
50	0.595	0.5995	0.6	0.0015811	0.595	0.595	0.595	0	-0.005	-0.0045	0	0.0015811
100	0.595	0.5995	0.6	0.0015811	0.595	0.595	0.595	0	-0.005	-0.0045	0	0.0015811

Device Test: 5.1; PROPD_RESET





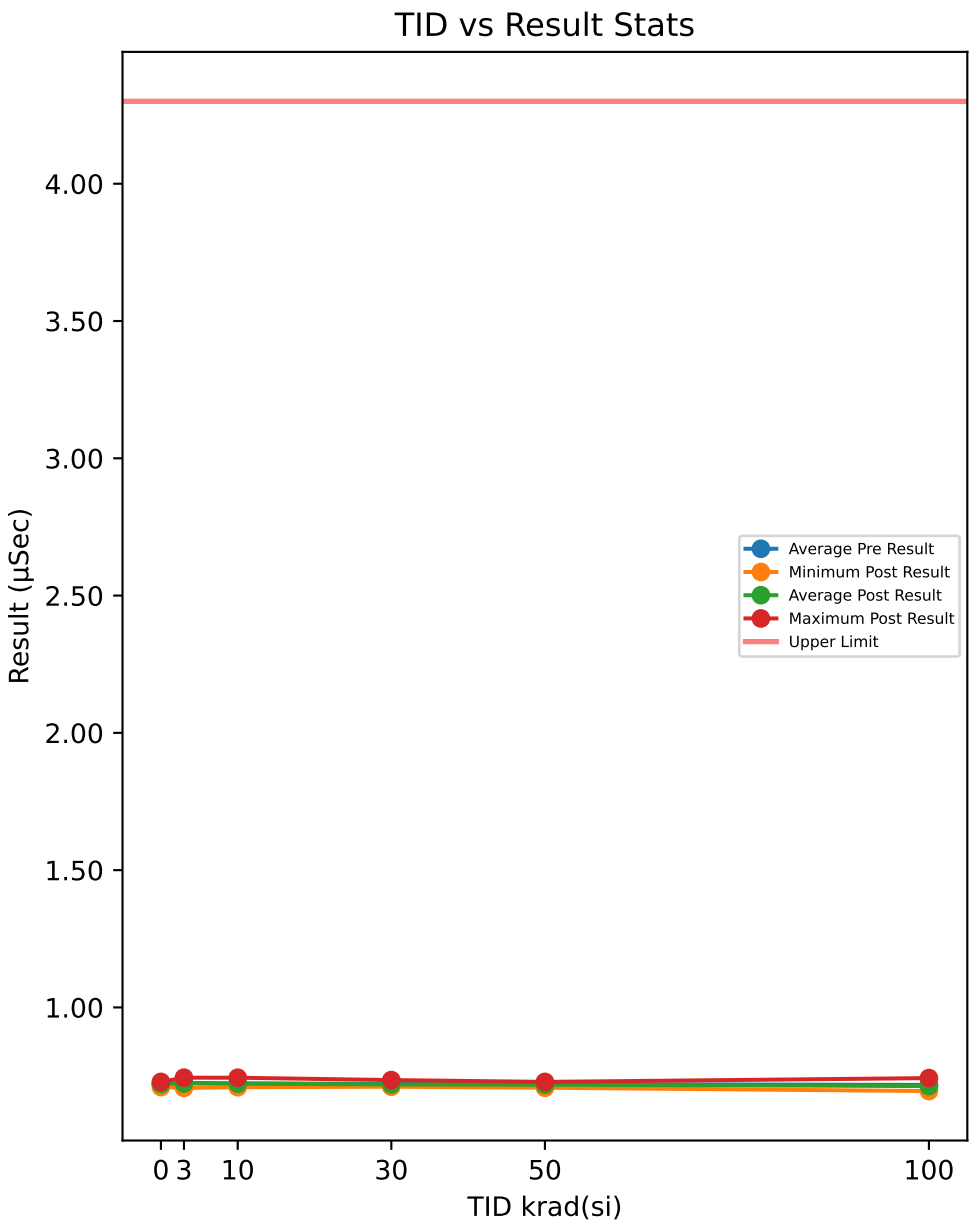
Test Results (Upper Limit = 4.3 (µSec))

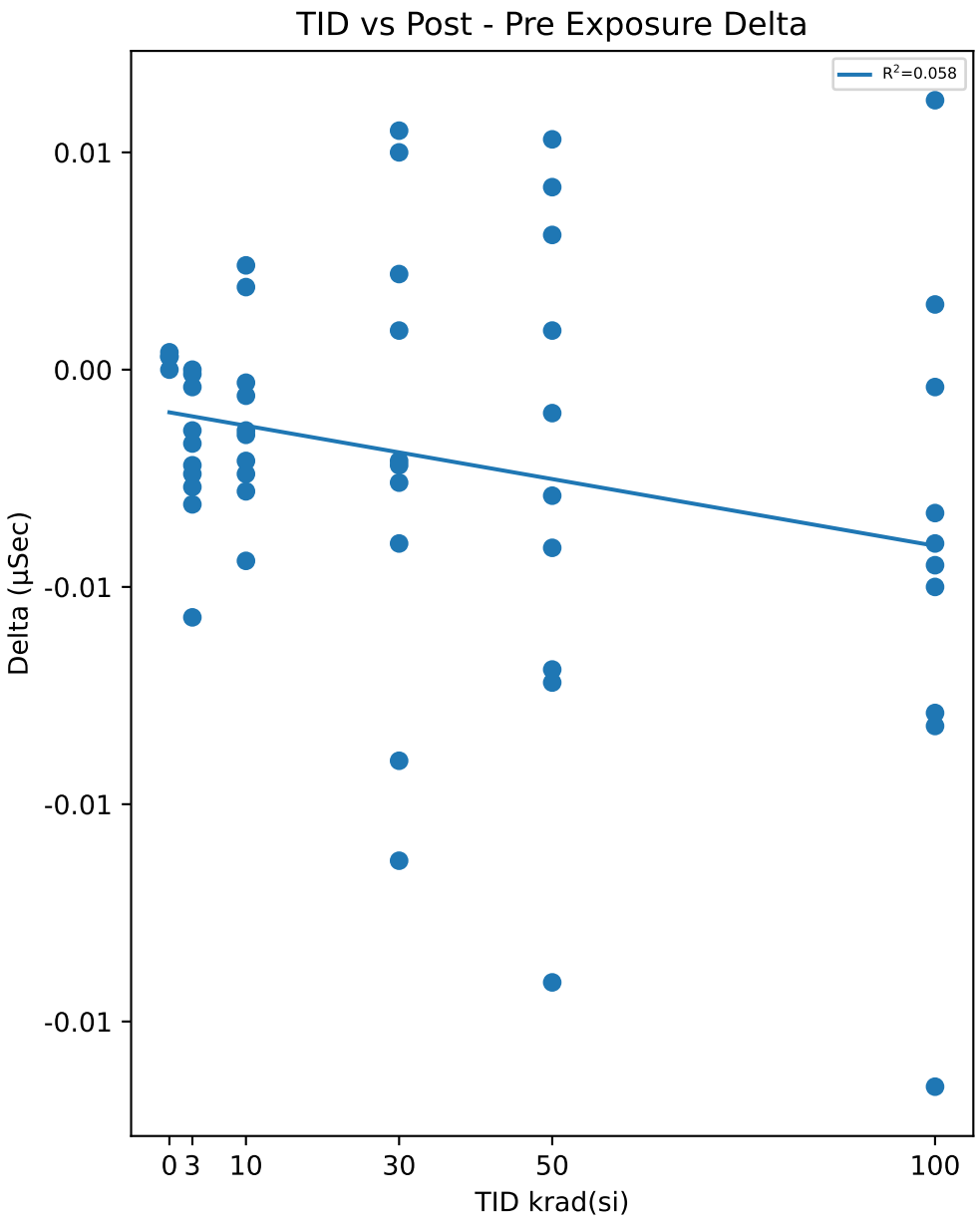
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7272	0.7252	-0.002
3	3	Biased	0.7073	0.7071	-0.0002
4	3	Biased	0.7349	0.7357	0.0008
5	3	Biased	0.7185	0.7187	0.0002
6	3	Biased	0.7116	0.7128	0.0012
7	3	Unbiased	0.7378	0.737	-0.0008
8	3	Unbiased	0.7187	0.7186	-0.0001
9	3	Unbiased	0.7164	0.7169	0.0005
10	3	Unbiased	0.7376	0.7414	0.0038
11	3	Unbiased	0.6971	0.6986	0.0015
12	10	Unbiased	0.7226	0.7271	0.0045
13	10	Unbiased	0.724	0.7279	0.0039
14	10	Unbiased	0.7292	0.7285	-0.0007
15	10	Unbiased	0.7256	0.7272	0.0016
16	10	Unbiased	0.7143	0.7132	-0.0011
17	10	Biased	0.7108	0.7123	0.0015
18	10	Biased	0.7063	0.7097	0.0034
19	10	Biased	0.7301	0.732	0.0019
20	10	Biased	0.7096	0.7114	0.0018
21	10	Biased	0.7199	0.7233	0.0034
22	30	Biased	0.7196	0.7131	-0.0065
23	30	Biased	0.7248	0.7282	0.0034
24	30	Biased	0.721	0.7265	0.0055
25	30	Biased	0.7162	0.716	-0.0002
26	30	Biased	0.7163	0.7192	0.0029
27	30	Unbiased	0.7272	0.7322	0.005
28	30	Unbiased	0.725	0.7218	-0.0032
29	30	Unbiased	0.7293	0.7256	-0.0037
30	30	Unbiased	0.731	0.7245	-0.0065
31	30	Unbiased	0.7202	0.7243	0.0041
32	50	Biased	0.7236	0.716	-0.0076
33	50	Biased	0.7189	0.7285	0.0096
34	50	Biased	0.7257	0.7252	-0.0005
35	50	Biased	0.7106	0.708	-0.0026
36	50	Biased	0.7155	0.7153	-0.0002
37	50	Unbiased	0.7162	0.7173	0.0011
39	50	Unbiased	0.7246	0.7238	-0.0008
40	50	Unbiased	0.7234	0.7249	0.0015
41	50	Unbiased	0.7316	0.7234	-0.0082
42	50	Unbiased	0.7102	0.7014	-0.0088
43	100	Biased	0.7204	0.7125	-0.0079
44	100	Biased	0.7107	0.6991	-0.0116
45	100	Biased	0.7127	0.7046	-0.0081
46	100	Biased	0.7337	0.7298	-0.0039
47	100	Biased	0.7213	0.7183	-0.003
48	100	Unbiased	0.718	0.7088	-0.0092
49	100	Unbiased	0.7108	0.7082	-0.0026
50	100	Unbiased	0.7233	0.7158	-0.0075
51	100	Unbiased	0.7068	0.7016	-0.0052
52	100	Unbiased	0.7361	0.7324	-0.0037
53	0	Correlation	0.7231	0.7253	0.0022
54	0	Correlation	0.7335	0.7358	0.0023
55	0	Correlation	0.7283	0.7318	0.0035
56	0	Correlation	0.7039	0.7072	0.0033

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7039	0.7222	0.7335	0.012918	0.7072	0.72503	0.7358	0.012647	0.0022	0.002825	0.0035	0.0006702
3	0.6971	0.72071	0.7378	0.013616	0.6986	0.7212	0.7414	0.013726	-0.002	0.00049	0.0038	0.0015402
10	0.7063	0.71924	0.7301	0.0084852	0.7097	0.72126	0.732	0.0085732	-0.0011	0.00202	0.0045	0.00186
30	0.7162	0.72306	0.731	0.0051968	0.7131	0.72314	0.7322	0.0057477	-0.0065	8e-05	0.0055	0.0047192
50	0.7102	0.72003	0.7316	0.0069364	0.7014	0.71838	0.7285	0.0085531	-0.0088	-0.00165	0.0096	0.005563
100	0.7068	0.71938	0.7361	0.0097665	0.6991	0.71311	0.7324	0.011201	-0.0116	-0.00627	-0.0026	0.0030192

Device Test: 5.10; PROPD_RESET





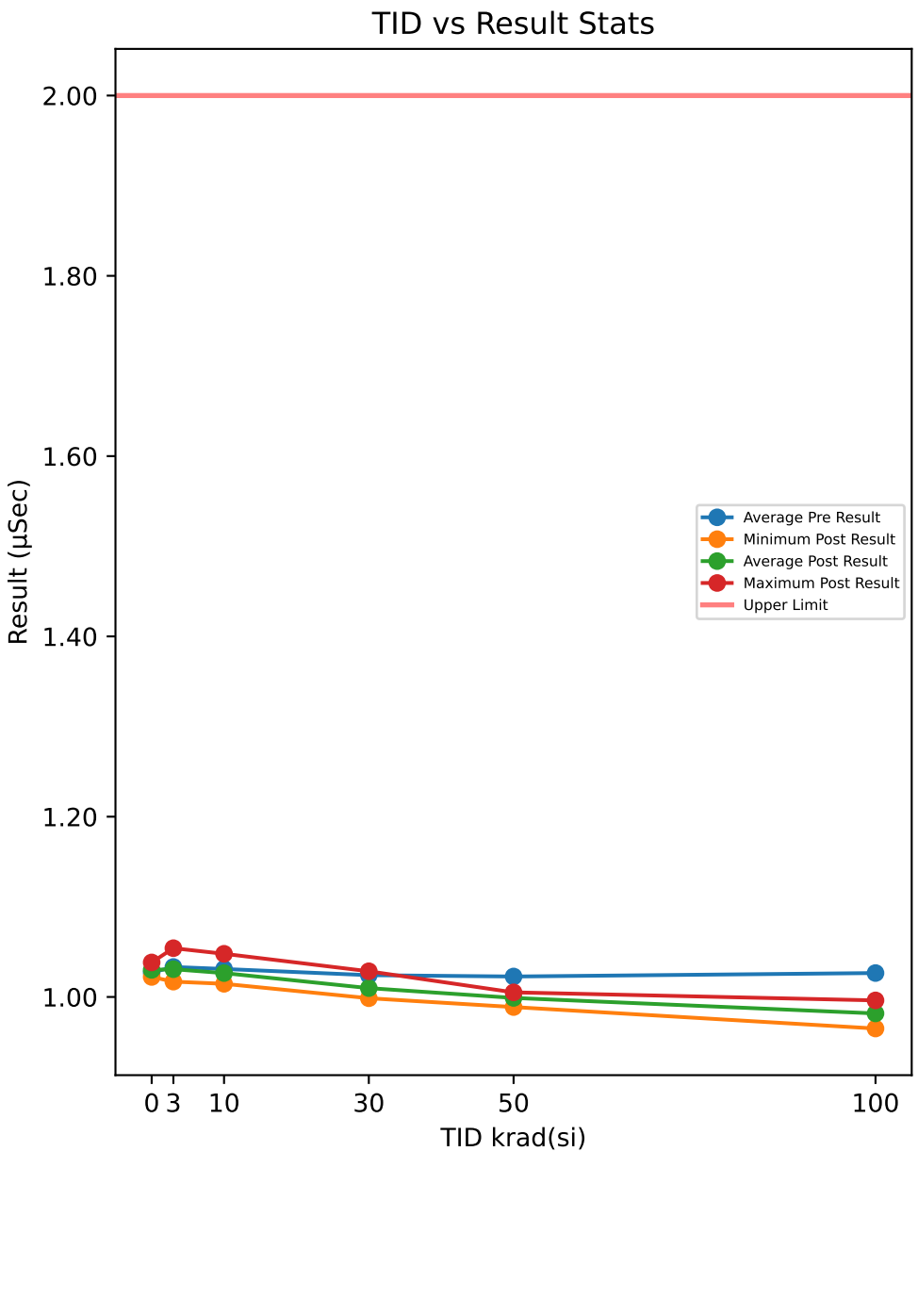
Test Results (Upper Limit = 4.3 (µSec))

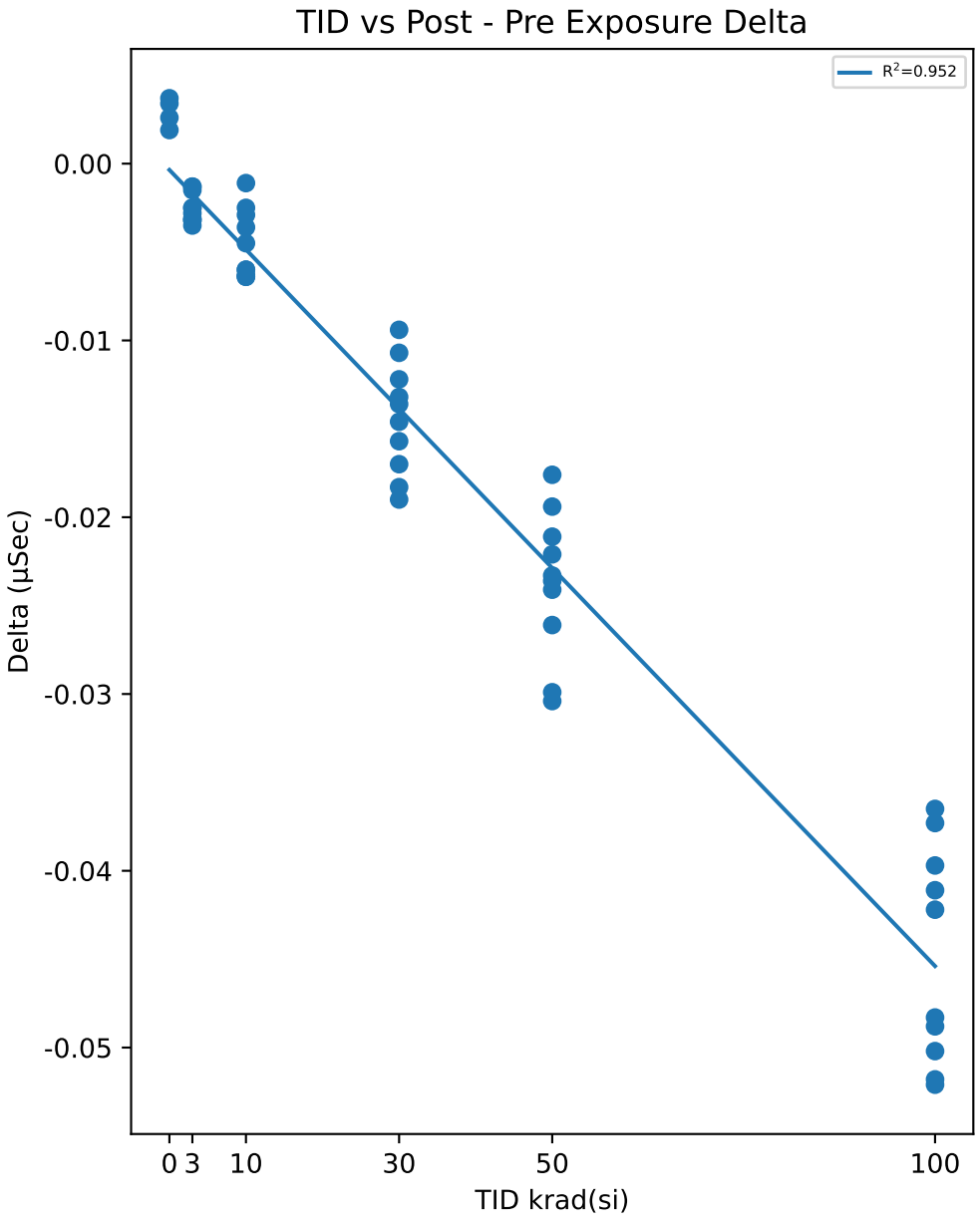
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7291	0.726	-0.0031
3	3	Biased	0.7248	0.7226	-0.0022
4	3	Biased	0.7465	0.7441	-0.0024
5	3	Biased	0.7218	0.7161	-0.0057
6	3	Biased	0.7122	0.7122	0
7	3	Unbiased	0.7249	0.7232	-0.0017
8	3	Unbiased	0.7213	0.7186	-0.0027
9	3	Unbiased	0.7279	0.7275	-0.0004
10	3	Unbiased	0.7345	0.7344	-0.0001
11	3	Unbiased	0.7083	0.7069	-0.0014
12	10	Unbiased	0.7122	0.7146	0.0024
13	10	Unbiased	0.722	0.7217	-0.0003
14	10	Unbiased	0.7174	0.713	-0.0044
15	10	Unbiased	0.7323	0.7309	-0.0014
16	10	Unbiased	0.7203	0.7188	-0.0015
17	10	Biased	0.7278	0.7272	-0.0006
18	10	Biased	0.7184	0.7163	-0.0021
19	10	Biased	0.7464	0.744	-0.0024
20	10	Biased	0.7251	0.727	0.0019
21	10	Biased	0.7122	0.7094	-0.0028
22	30	Biased	0.7152	0.7112	-0.004
23	30	Biased	0.7299	0.7354	0.0055
24	30	Biased	0.7187	0.7196	0.0009
25	30	Biased	0.7184	0.7163	-0.0021
26	30	Biased	0.7127	0.7149	0.0022
27	30	Unbiased	0.7303	0.7277	-0.0026
28	30	Unbiased	0.7283	0.7193	-0.009
29	30	Unbiased	0.719	0.7168	-0.0022
30	30	Unbiased	0.7272	0.7159	-0.0113
31	30	Unbiased	0.7148	0.7198	0.005
32	50	Biased	0.7298	0.7157	-0.0141
33	50	Biased	0.7191	0.7244	0.0053
34	50	Biased	0.7298	0.7288	-0.001
35	50	Biased	0.7051	0.7082	0.0031
36	50	Biased	0.7214	0.7142	-0.0072
37	50	Unbiased	0.7116	0.7075	-0.0041
39	50	Unbiased	0.7216	0.7258	0.0042
40	50	Unbiased	0.7256	0.7265	0.0009
41	50	Unbiased	0.7213	0.7184	-0.0029
42	50	Unbiased	0.7237	0.7168	-0.0069
43	100	Biased	0.7157	0.7117	-0.004
44	100	Biased	0.7106	0.7056	-0.005
45	100	Biased	0.7	0.6955	-0.0045
46	100	Biased	0.7364	0.7426	0.0062
47	100	Biased	0.7153	0.7149	-0.0004
48	100	Unbiased	0.7109	0.703	-0.0079
49	100	Unbiased	0.7169	0.7087	-0.0082
50	100	Unbiased	0.7289	0.7124	-0.0165
51	100	Unbiased	0.7261	0.7228	-0.0033
52	100	Unbiased	0.7165	0.718	0.0015
53	0	Correlation	0.71	0.71	0
54	0	Correlation	0.7285	0.7288	0.0003
55	0	Correlation	0.7214	0.7218	0.0004
56	0	Correlation	0.7255	0.7258	0.0003

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.71	0.72135	0.7285	0.008107	0.71	0.7216	0.7288	0.0082478	0	0.00025	0.0004	0.00017321
3	0.7083	0.72513	0.7465	0.010772	0.7069	0.72316	0.7441	0.010787	-0.0057	-0.00197	0	0.0017062
10	0.7122	0.72341	0.7464	0.010295	0.7094	0.72229	0.744	0.010283	-0.0044	-0.00112	0.0024	0.0020778
30	0.7127	0.72145	0.7303	0.0067694	0.7112	0.71969	0.7354	0.006995	-0.0113	-0.00176	0.0055	0.0054836
50	0.7051	0.7209	0.7298	0.0076639	0.7075	0.71863	0.7288	0.0075597	-0.0141	-0.00227	0.0053	0.006047
100	0.7	0.71773	0.7364	0.010368	0.6955	0.71352	0.7426	0.012822	-0.0165	-0.00421	0.0062	0.0061251

Device Test: 5.105; PROPD_SR_UVLO





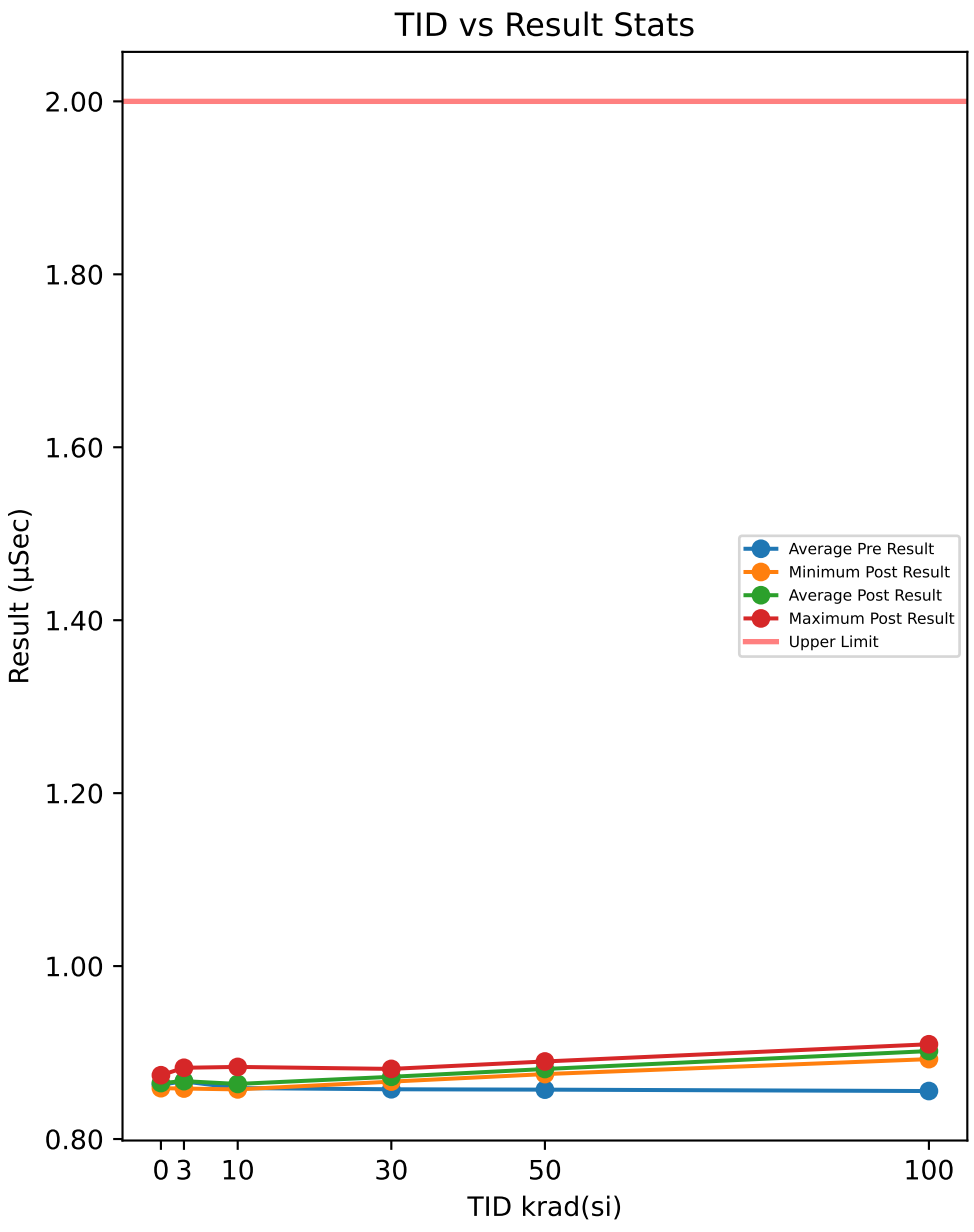
Test Results (Upper Limit = 2.0 (µSec))

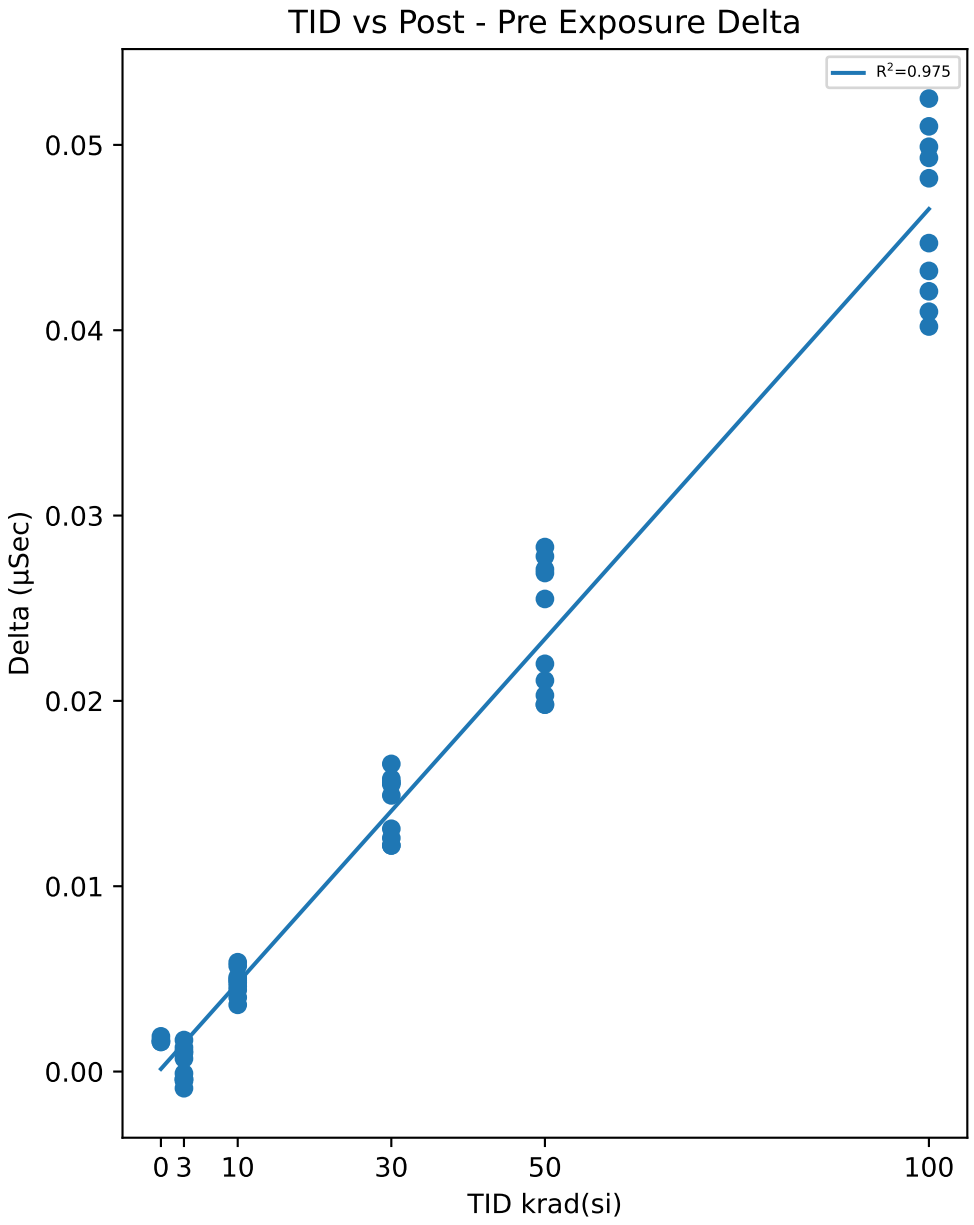
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.0287	1.0255	-0.0032
3	3	Biased	1.0409	1.0381	-0.0028
4	3	Biased	1.0566	1.0541	-0.0025
5	3	Biased	1.0253	1.0222	-0.0031
6	3	Biased	1.0316	1.0301	-0.0015
7	3	Unbiased	1.0315	1.0283	-0.0032
8	3	Unbiased	1.0332	1.0297	-0.0035
9	3	Unbiased	1.0332	1.0319	-0.0013
10	3	Unbiased	1.0321	1.0308	-0.0013
11	3	Unbiased	1.0195	1.017	-0.0025
12	10	Unbiased	1.02	1.0171	-0.0029
13	10	Unbiased	1.0315	1.0255	-0.006
14	10	Unbiased	1.0248	1.0188	-0.006
15	10	Unbiased	1.0243	1.0179	-0.0064
16	10	Unbiased	1.0384	1.0321	-0.0063
17	10	Biased	1.0372	1.0336	-0.0036
18	10	Biased	1.0293	1.0248	-0.0045
19	10	Biased	1.049	1.0479	-0.0011
20	10	Biased	1.035	1.0325	-0.0025
21	10	Biased	1.021	1.0146	-0.0064
22	30	Biased	1.0184	1.0062	-0.0122
23	30	Biased	1.0199	1.0092	-0.0107
24	30	Biased	1.0212	1.0076	-0.0136
25	30	Biased	1.0221	1.0089	-0.0132
26	30	Biased	1.0168	1.0074	-0.0094
27	30	Unbiased	1.03	1.0143	-0.0157
28	30	Unbiased	1.0213	1.0043	-0.017
29	30	Unbiased	1.0313	1.013	-0.0183
30	30	Unbiased	1.0176	0.9986	-0.019
31	30	Unbiased	1.0431	1.0285	-0.0146
32	50	Biased	1.023	1.0009	-0.0221
33	50	Biased	1.0224	1.0048	-0.0176
34	50	Biased	1.0204	0.9971	-0.0233
35	50	Biased	1.0242	1.0031	-0.0211
36	50	Biased	1.0222	1.0028	-0.0194
37	50	Unbiased	1.0209	0.9968	-0.0241
39	50	Unbiased	1.023	0.9994	-0.0236
40	50	Unbiased	1.0312	1.0051	-0.0261
41	50	Unbiased	1.0187	0.9888	-0.0299
42	50	Unbiased	1.021	0.9906	-0.0304
43	100	Biased	1.0339	0.9942	-0.0397
44	100	Biased	1.0218	0.9807	-0.0411
45	100	Biased	1.0229	0.9807	-0.0422
46	100	Biased	1.0335	0.9962	-0.0373
47	100	Biased	1.0315	0.995	-0.0365
48	100	Unbiased	1.0152	0.965	-0.0502
49	100	Unbiased	1.019	0.9669	-0.0521
50	100	Unbiased	1.0276	0.9788	-0.0488
51	100	Unbiased	1.037	0.9852	-0.0518
52	100	Unbiased	1.0229	0.9746	-0.0483
53	0	Correlation	1.0185	1.0222	0.0037
54	0	Correlation	1.0234	1.0268	0.0034
55	0	Correlation	1.0309	1.0328	0.0019
56	0	Correlation	1.0357	1.0383	0.0026

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.0185	1.0271	1.0357	0.0076605	1.0222	1.03	1.0383	0.0070192	0.0019	0.0029	0.0037	0.0008124
3	1.0195	1.0333	1.0566	0.0099097	1.017	1.0308	1.0541	0.0099879	-0.0035	-0.00249	-0.0013	0.00083726
10	1.02	1.0311	1.049	0.0090716	1.0146	1.0265	1.0479	0.010235	-0.0064	-0.00457	-0.0011	0.0019391
30	1.0168	1.0242	1.0431	0.0082565	0.9986	1.0098	1.0285	0.0078923	-0.019	-0.01437	-0.0094	0.0031704
50	1.0187	1.0227	1.0312	0.0033738	0.9888	0.99894	1.0051	0.0056655	-0.0304	-0.02376	-0.0176	0.004142
100	1.0152	1.0265	1.037	0.0072431	0.965	0.98173	0.9962	0.011127	-0.0521	-0.0448	-0.0365	0.0060672

Device Test: 5.106; PROPD_SR_UVLO





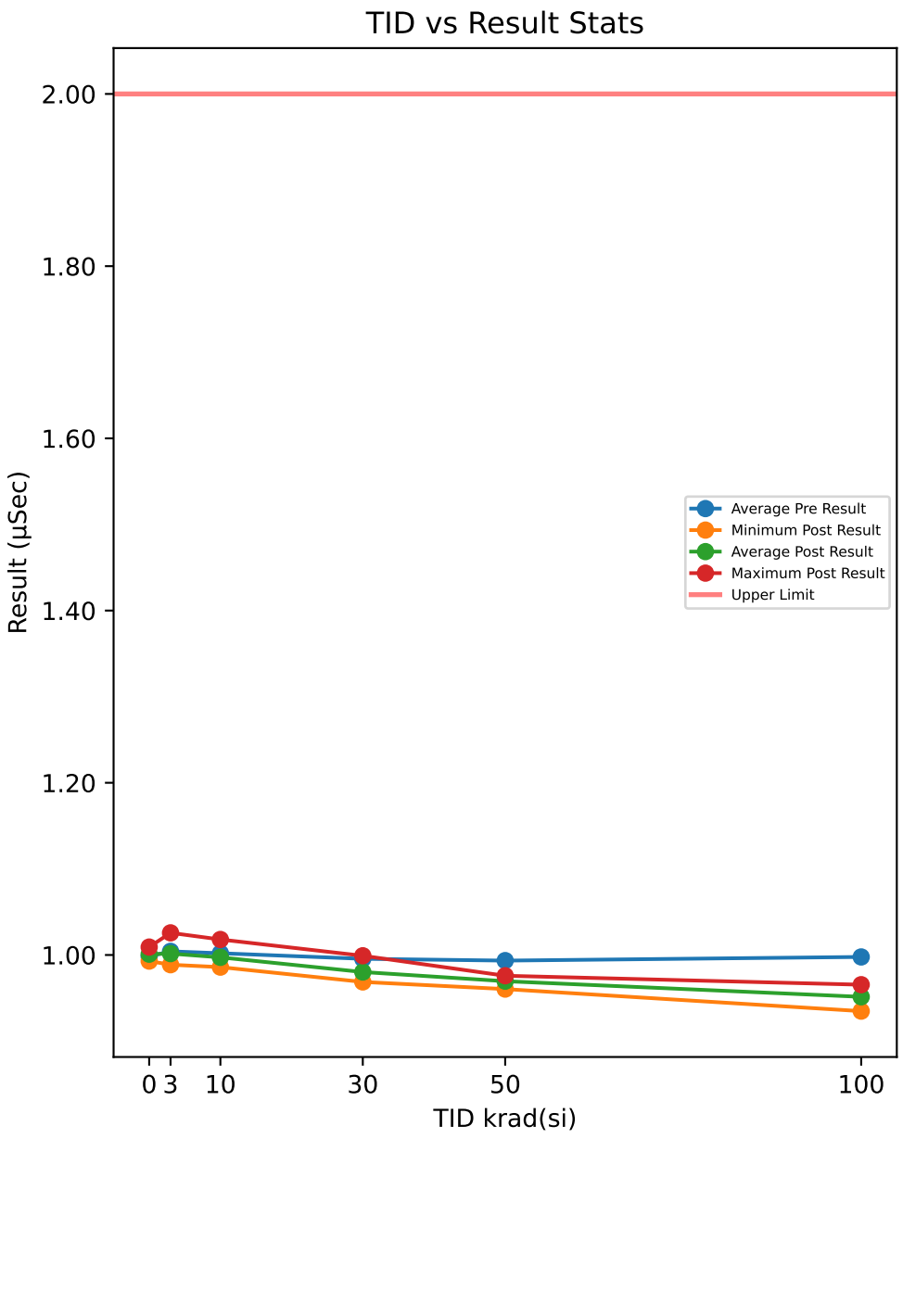
Test Results (Upper Limit = 2.0 (µSec))

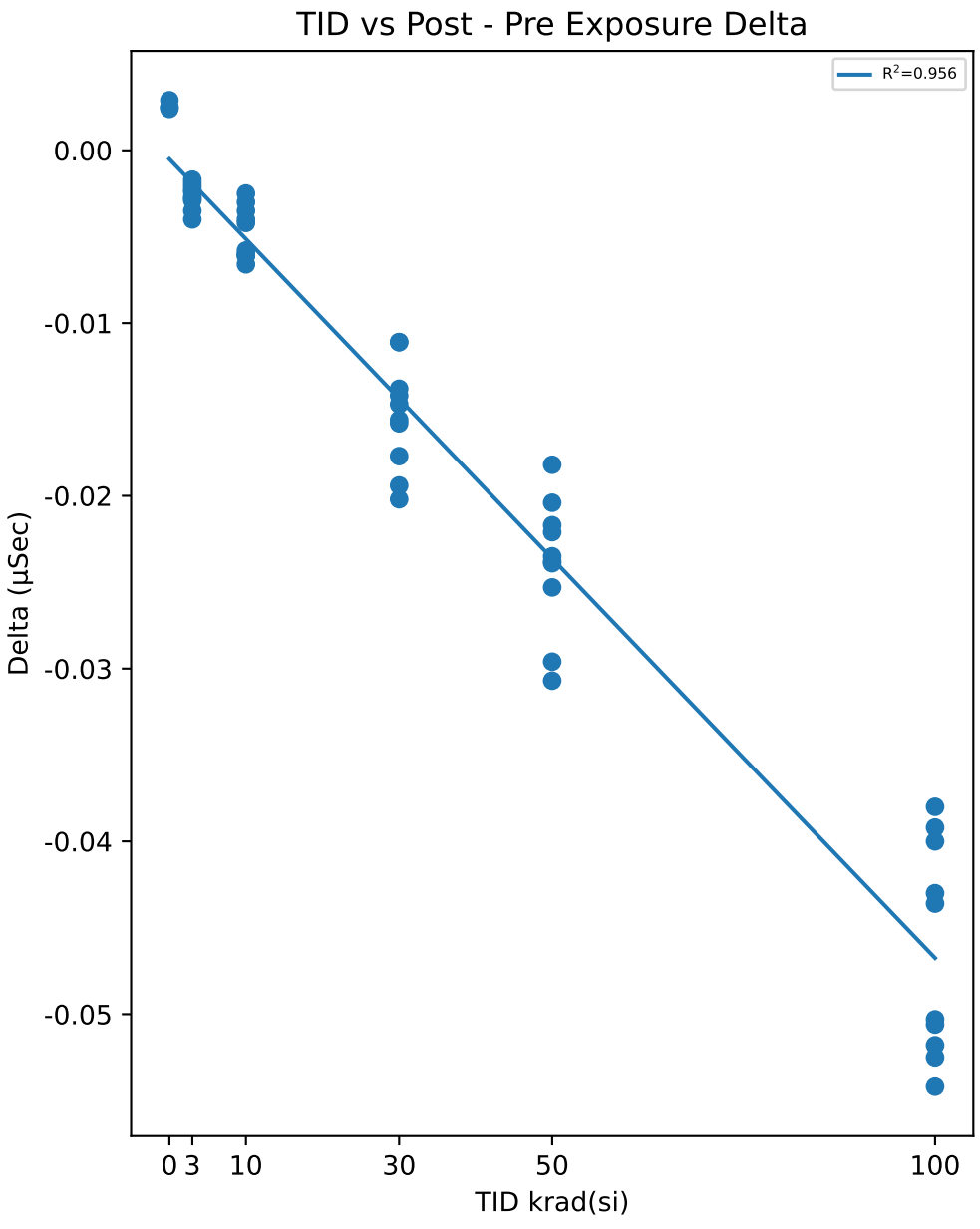
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.8647	0.8638	-0.0009
3	3	Biased	0.8644	0.8643	-0.0001
4	3	Biased	0.8829	0.8824	-0.0005
5	3	Biased	0.8617	0.8613	-0.0004
6	3	Biased	0.8673	0.8669	-0.0004
7	3	Unbiased	0.8693	0.8703	0.001
8	3	Unbiased	0.8673	0.868	0.0007
9	3	Unbiased	0.8568	0.8585	0.0017
10	3	Unbiased	0.8743	0.8756	0.0013
11	3	Unbiased	0.8573	0.8584	0.0011
12	10	Unbiased	0.8609	0.8668	0.0059
13	10	Unbiased	0.857	0.8627	0.0057
14	10	Unbiased	0.854	0.8591	0.0051
15	10	Unbiased	0.8565	0.8605	0.004
16	10	Unbiased	0.8596	0.8646	0.005
17	10	Biased	0.8576	0.862	0.0044
18	10	Biased	0.8525	0.8574	0.0049
19	10	Biased	0.8786	0.8834	0.0048
20	10	Biased	0.8568	0.8614	0.0046
21	10	Biased	0.8556	0.8592	0.0036
22	30	Biased	0.8543	0.8665	0.0122
23	30	Biased	0.8627	0.8776	0.0149
24	30	Biased	0.8533	0.8664	0.0131
25	30	Biased	0.8579	0.8701	0.0122
26	30	Biased	0.8575	0.8701	0.0126
27	30	Unbiased	0.8653	0.8811	0.0158
28	30	Unbiased	0.8558	0.8714	0.0156
29	30	Unbiased	0.8595	0.8751	0.0156
30	30	Unbiased	0.8545	0.8711	0.0166
31	30	Unbiased	0.8547	0.8702	0.0155
32	50	Biased	0.8562	0.876	0.0198
33	50	Biased	0.8607	0.881	0.0203
34	50	Biased	0.8558	0.8769	0.0211
35	50	Biased	0.855	0.877	0.022
36	50	Biased	0.8553	0.8751	0.0198
37	50	Unbiased	0.855	0.8828	0.0278
39	50	Unbiased	0.8564	0.8847	0.0283
40	50	Unbiased	0.8642	0.8897	0.0255
41	50	Unbiased	0.8548	0.8819	0.0271
42	50	Unbiased	0.8578	0.8847	0.0269
43	100	Biased	0.8564	0.8966	0.0402
44	100	Biased	0.8492	0.8924	0.0432
45	100	Biased	0.8576	0.9023	0.0447
46	100	Biased	0.8674	0.9095	0.0421
47	100	Biased	0.8544	0.8954	0.041
48	100	Unbiased	0.8574	0.9084	0.051
49	100	Unbiased	0.8494	0.9019	0.0525
50	100	Unbiased	0.8522	0.9004	0.0482
51	100	Unbiased	0.8514	0.9007	0.0493
52	100	Unbiased	0.8597	0.9096	0.0499
53	0	Correlation	0.8639	0.8655	0.0016
54	0	Correlation	0.8571	0.8588	0.0017
55	0	Correlation	0.8719	0.8738	0.0019
56	0	Correlation	0.8592	0.8608	0.0016

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.8571	0.86302	0.8719	0.0065642	0.8588	0.86472	0.8738	0.00667	0.0016	0.0017	0.0019	0.00014142
3	0.8568	0.8666	0.8829	0.0078048	0.8584	0.86695	0.8824	0.0075955	-0.0009	0.00035	0.0017	0.00090952
10	0.8525	0.85891	0.8786	0.0073326	0.8574	0.86371	0.8834	0.0074463	0.0036	0.0048	0.0059	0.00070238
30	0.8533	0.85755	0.8653	0.0039388	0.8664	0.87196	0.8811	0.0046786	0.0122	0.01441	0.0166	0.0016914
50	0.8548	0.85712	0.8642	0.0030586	0.8751	0.88098	0.8897	0.0047109	0.0198	0.02386	0.0283	0.003565
100	0.8492	0.85551	0.8674	0.0055165	0.8924	0.90172	0.9096	0.0059946	0.0402	0.04621	0.0525	0.0044861

Device Test: 5.107; PROPD_SR_UVLO





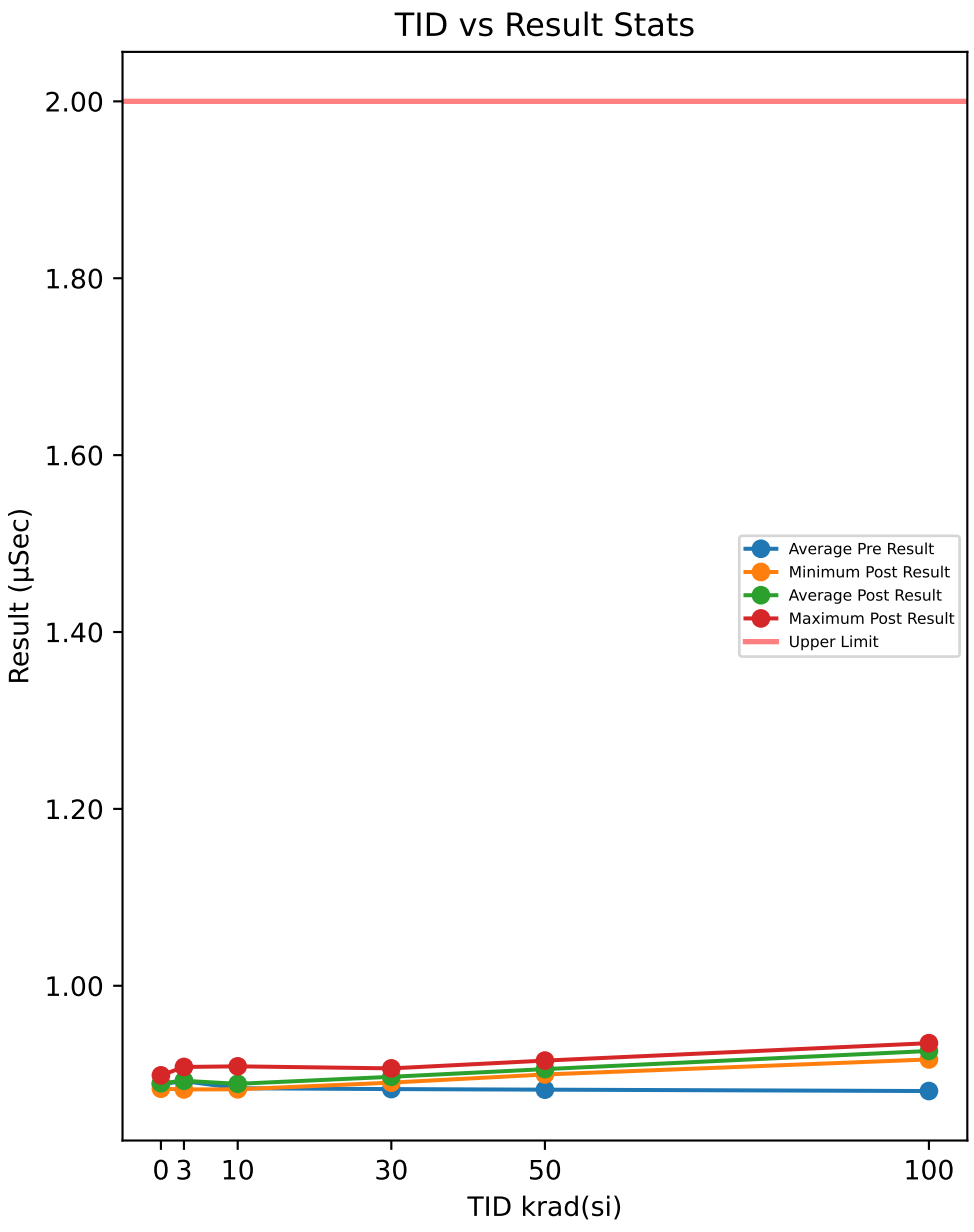
Test Results (Upper Limit = 2.0 (µSec))

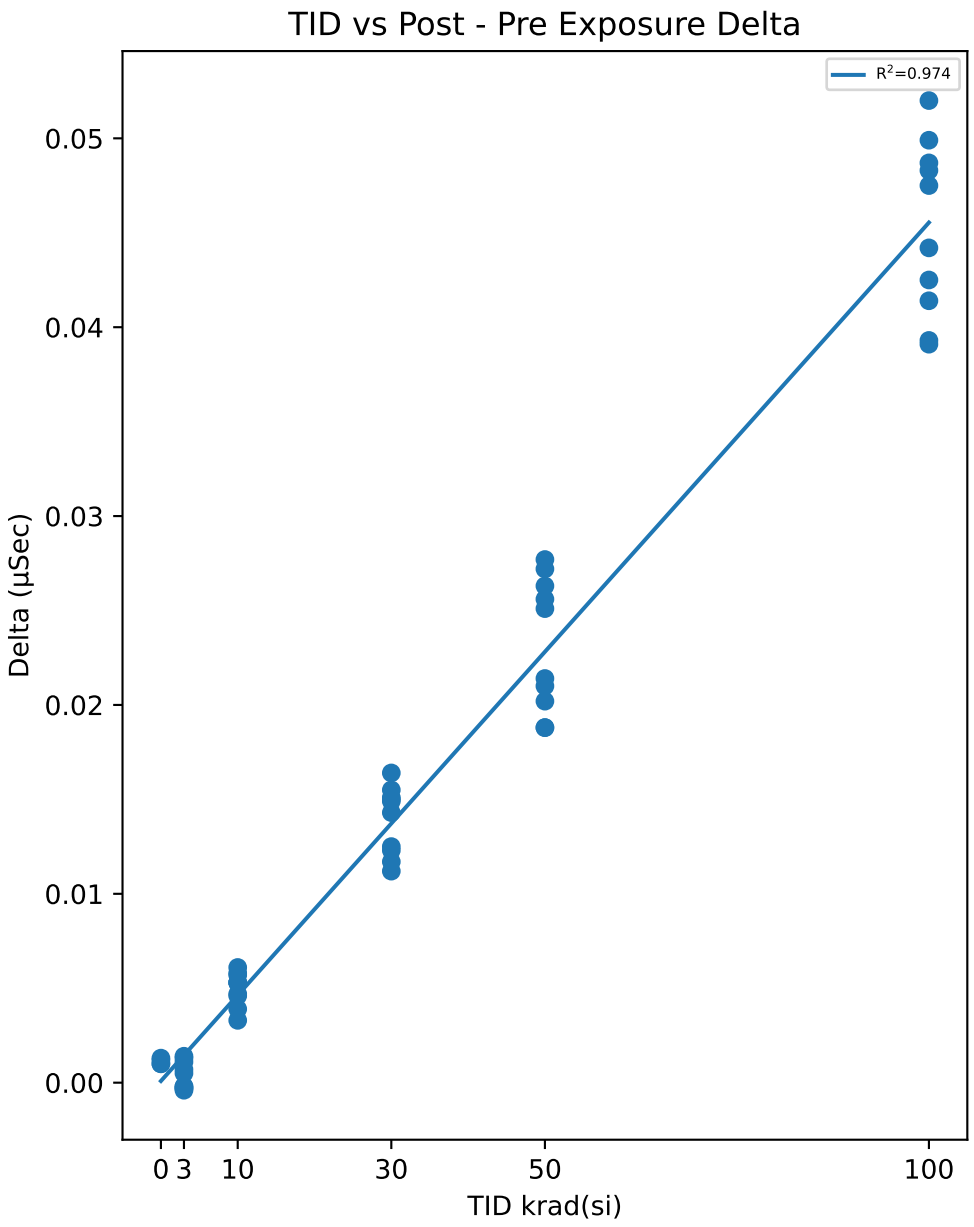
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.0004	0.9964	-0.004
3	3	Biased	1.0115	1.0088	-0.0027
4	3	Biased	1.0281	1.0257	-0.0024
5	3	Biased	0.9956	0.9928	-0.0028
6	3	Biased	1.0028	1.0009	-0.0019
7	3	Unbiased	1.0017	0.9988	-0.0029
8	3	Unbiased	1.0039	1.0004	-0.0035
9	3	Unbiased	1.0039	1.0022	-0.0017
10	3	Unbiased	1.0033	1.0012	-0.0021
11	3	Unbiased	0.991	0.9887	-0.0023
12	10	Unbiased	0.9913	0.9873	-0.004
13	10	Unbiased	1.0015	0.9954	-0.0061
14	10	Unbiased	0.9969	0.9908	-0.0061
15	10	Unbiased	0.9954	0.9888	-0.0066
16	10	Unbiased	1.0093	1.0033	-0.006
17	10	Biased	1.0081	1.0039	-0.0042
18	10	Biased	0.9994	0.9959	-0.0035
19	10	Biased	1.021	1.018	-0.003
20	10	Biased	1.0056	1.0031	-0.0025
21	10	Biased	0.9917	0.9859	-0.0058
22	30	Biased	0.9908	0.977	-0.0138
23	30	Biased	0.9899	0.9788	-0.0111
24	30	Biased	0.9925	0.9778	-0.0147
25	30	Biased	0.9941	0.9799	-0.0142
26	30	Biased	0.9886	0.9775	-0.0111
27	30	Unbiased	1.0011	0.9855	-0.0156
28	30	Unbiased	0.9931	0.9754	-0.0177
29	30	Unbiased	1.0018	0.9824	-0.0194
30	30	Unbiased	0.9889	0.9687	-0.0202
31	30	Unbiased	1.0149	0.9991	-0.0158
32	50	Biased	0.9942	0.9721	-0.0221
33	50	Biased	0.993	0.9748	-0.0182
34	50	Biased	0.9907	0.9672	-0.0235
35	50	Biased	0.9947	0.973	-0.0217
36	50	Biased	0.9925	0.9721	-0.0204
37	50	Unbiased	0.9913	0.9675	-0.0238
39	50	Unbiased	0.9944	0.9705	-0.0239
40	50	Unbiased	1.0012	0.9759	-0.0253
41	50	Unbiased	0.9911	0.9604	-0.0307
42	50	Unbiased	0.9917	0.9621	-0.0296
43	100	Biased	1.0046	0.9646	-0.04
44	100	Biased	0.9934	0.9504	-0.043
45	100	Biased	0.9939	0.9503	-0.0436
46	100	Biased	1.0047	0.9655	-0.0392
47	100	Biased	1.003	0.965	-0.038
48	100	Unbiased	0.9866	0.9348	-0.0518
49	100	Unbiased	0.99	0.9358	-0.0542
50	100	Unbiased	0.9989	0.9483	-0.0506
51	100	Unbiased	1.0081	0.9556	-0.0525
52	100	Unbiased	0.994	0.9437	-0.0503
53	0	Correlation	0.9905	0.9929	0.0024
54	0	Correlation	0.994	0.9969	0.0029
55	0	Correlation	1.0023	1.0048	0.0025
56	0	Correlation	1.0067	1.0092	0.0025

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.9905	0.99838	1.0067	0.0074357	0.9929	1.001	1.0092	0.0073957	0.0024	0.002575	0.0029	0.00022174
3	0.991	1.0042	1.0281	0.0099796	0.9887	1.0016	1.0257	0.010077	-0.004	-0.00263	-0.0017	0.00071344
10	0.9913	1.002	1.021	0.0091991	0.9859	0.99724	1.018	0.0099537	-0.0066	-0.00478	-0.0025	0.001501
30	0.9886	0.99557	1.0149	0.008224	0.9687	0.98021	0.9991	0.0079636	-0.0202	-0.01536	-0.0111	0.0030909
50	0.9907	0.99348	1.0012	0.0030724	0.9604	0.96956	0.9759	0.0051923	-0.0307	-0.02392	-0.0182	0.0038539
100	0.9866	0.99772	1.0081	0.0071757	0.9348	0.9514	0.9655	0.011381	-0.0542	-0.04632	-0.038	0.0061712

Device Test: 5.108; PROPD_SR_UVLO





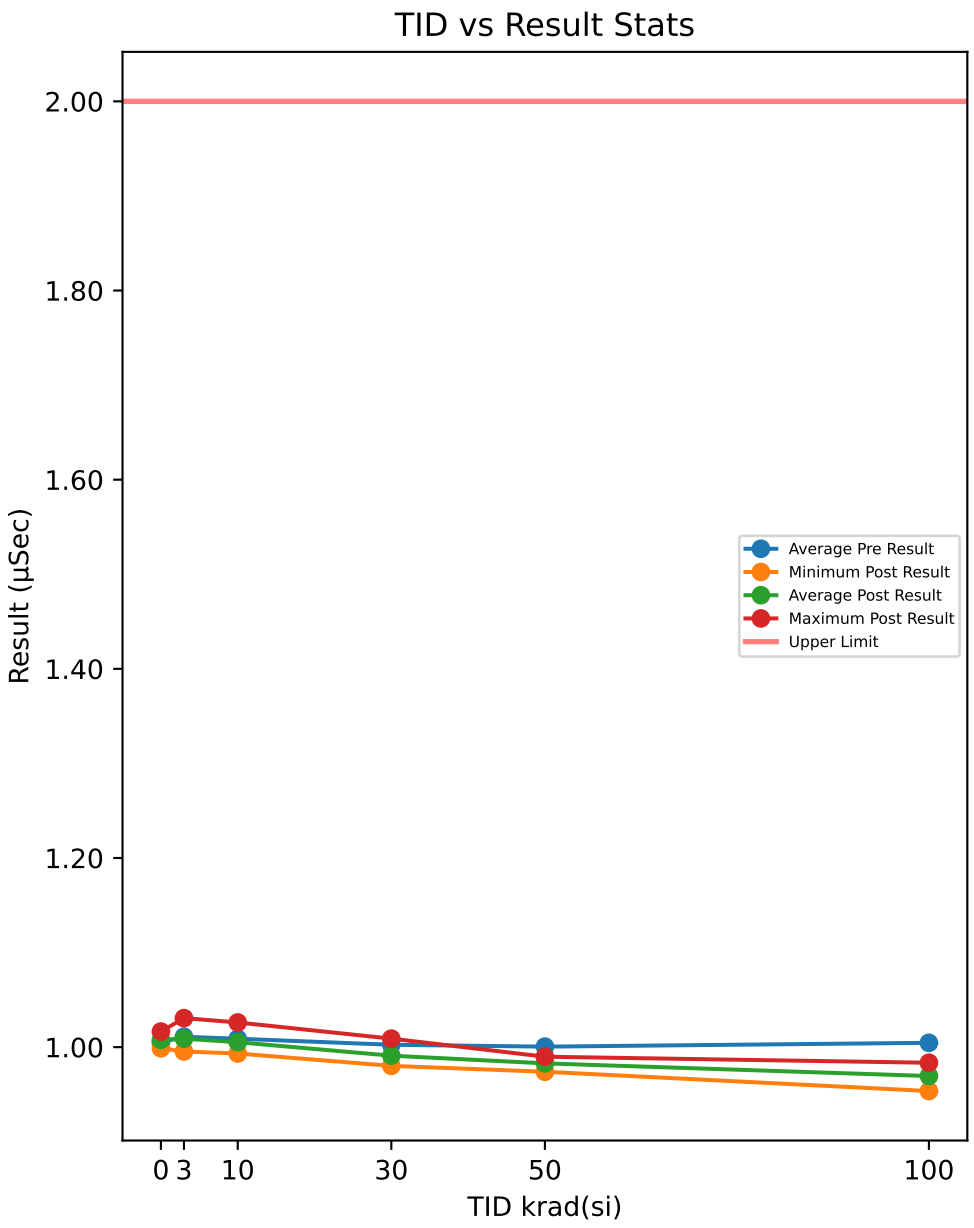
Test Results (Upper Limit = 2.0 (µSec))

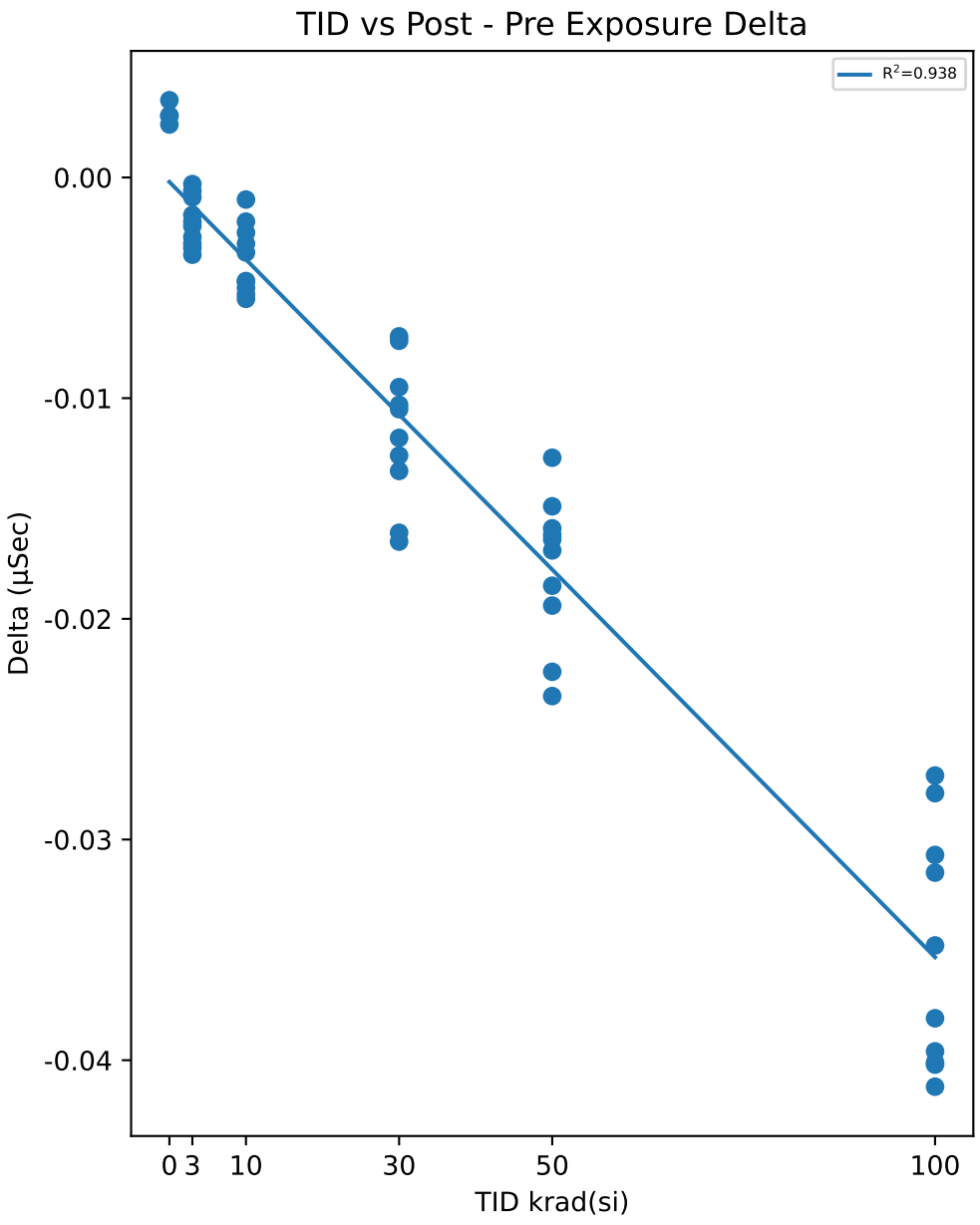
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.8899	0.8897	-0.0002
3	3	Biased	0.8899	0.8897	-0.0002
4	3	Biased	0.9085	0.9082	-0.0003
5	3	Biased	0.8877	0.8874	-0.0003
6	3	Biased	0.8929	0.8925	-0.0004
7	3	Unbiased	0.8952	0.8959	0.0007
8	3	Unbiased	0.8932	0.8937	0.0005
9	3	Unbiased	0.883	0.8843	0.0013
10	3	Unbiased	0.9002	0.9013	0.0011
11	3	Unbiased	0.8814	0.8828	0.0014
12	10	Unbiased	0.8854	0.8915	0.0061
13	10	Unbiased	0.8828	0.8886	0.0058
14	10	Unbiased	0.8781	0.8838	0.0057
15	10	Unbiased	0.8818	0.8865	0.0047
16	10	Unbiased	0.8841	0.8894	0.0053
17	10	Biased	0.8835	0.8881	0.0046
18	10	Biased	0.8776	0.8829	0.0053
19	10	Biased	0.905	0.9089	0.0039
20	10	Biased	0.8817	0.887	0.0053
21	10	Biased	0.8813	0.8846	0.0033
22	30	Biased	0.8793	0.8905	0.0112
23	30	Biased	0.8886	0.9036	0.015
24	30	Biased	0.8797	0.8922	0.0125
25	30	Biased	0.8835	0.8952	0.0117
26	30	Biased	0.8827	0.895	0.0123
27	30	Unbiased	0.8915	0.9066	0.0151
28	30	Unbiased	0.88	0.8955	0.0155
29	30	Unbiased	0.8853	0.9002	0.0149
30	30	Unbiased	0.8804	0.8968	0.0164
31	30	Unbiased	0.8808	0.8951	0.0143
32	50	Biased	0.8809	0.8997	0.0188
33	50	Biased	0.8863	0.9065	0.0202
34	50	Biased	0.8806	0.902	0.0214
35	50	Biased	0.8809	0.9019	0.021
36	50	Biased	0.8811	0.8999	0.0188
37	50	Unbiased	0.8807	0.9079	0.0272
39	50	Unbiased	0.8808	0.9085	0.0277
40	50	Unbiased	0.8903	0.9154	0.0251
41	50	Unbiased	0.8799	0.9062	0.0263
42	50	Unbiased	0.8839	0.9095	0.0256
43	100	Biased	0.8822	0.9215	0.0393
44	100	Biased	0.8742	0.9167	0.0425
45	100	Biased	0.8828	0.927	0.0442
46	100	Biased	0.8937	0.9351	0.0414
47	100	Biased	0.8793	0.9184	0.0391
48	100	Unbiased	0.8828	0.9327	0.0499
49	100	Unbiased	0.8749	0.9269	0.052
50	100	Unbiased	0.8775	0.925	0.0475
51	100	Unbiased	0.8763	0.925	0.0487
52	100	Unbiased	0.8861	0.9344	0.0483
53	0	Correlation	0.8891	0.8901	0.001
54	0	Correlation	0.8824	0.8836	0.0012
55	0	Correlation	0.8974	0.8987	0.0013
56	0	Correlation	0.8858	0.8868	0.001

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.8824	0.88867	0.8974	0.0064277	0.8836	0.8898	0.8987	0.0064997	0.001	0.001125	0.0013	0.00015
3	0.8814	0.89219	0.9085	0.0079742	0.8828	0.89255	0.9082	0.0077454	-0.0004	0.00036	0.0014	0.00072449
10	0.8776	0.88413	0.905	0.0077293	0.8829	0.88913	0.9089	0.0074318	0.0033	0.005	0.0061	0.00087939
30	0.8793	0.88318	0.8915	0.0041378	0.8905	0.89707	0.9066	0.0049927	0.0112	0.01389	0.0164	0.0018034
50	0.8799	0.88254	0.8903	0.0033467	0.8997	0.90575	0.9154	0.0049424	0.0188	0.02321	0.0277	0.0035123
100	0.8742	0.88098	0.8937	0.0059245	0.9167	0.92627	0.9351	0.0063757	0.0391	0.04529	0.052	0.0045965

Device Test: 5.109; PROPD_SR_UVLO





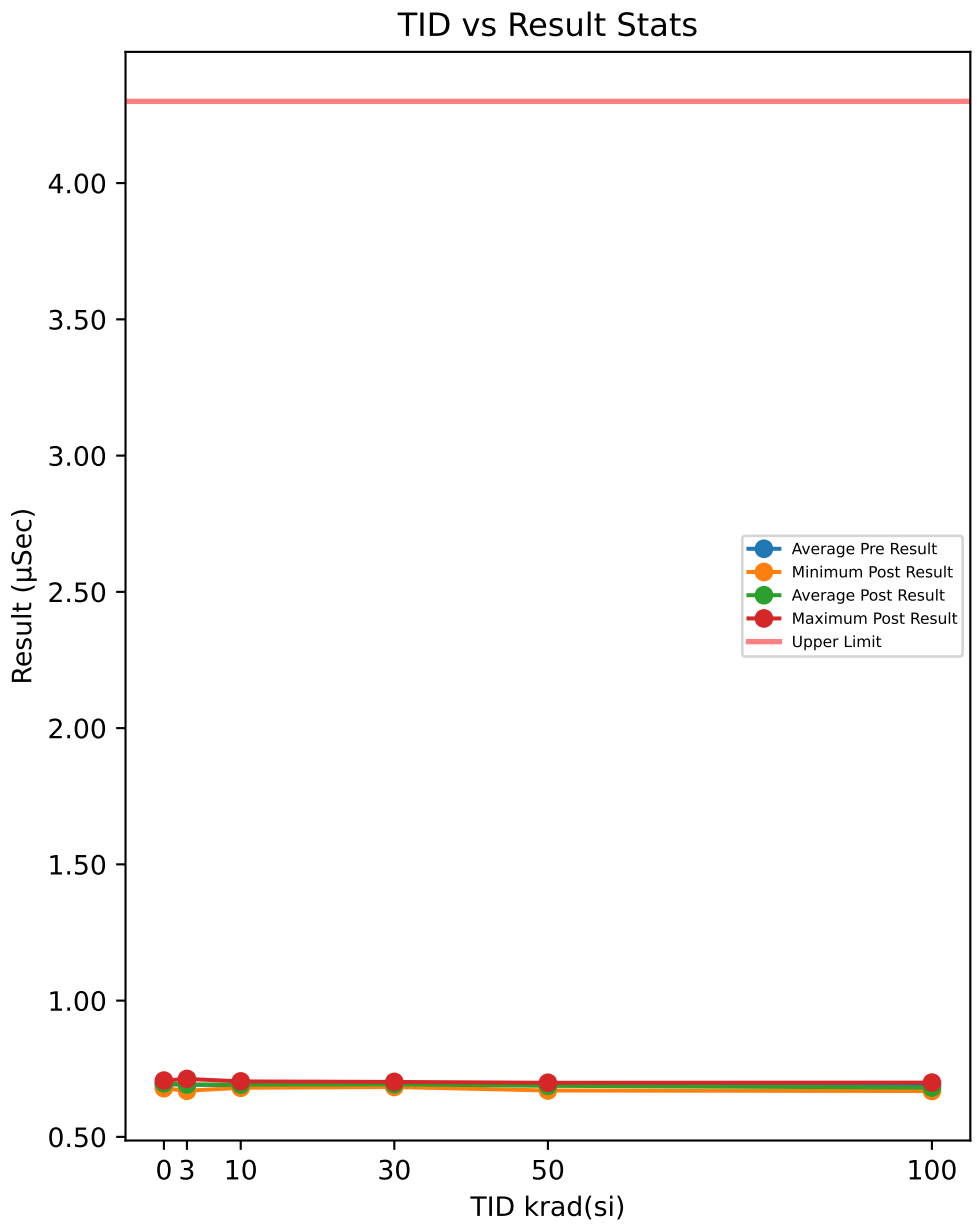
Test Results (Upper Limit = 2.0 (µSec))

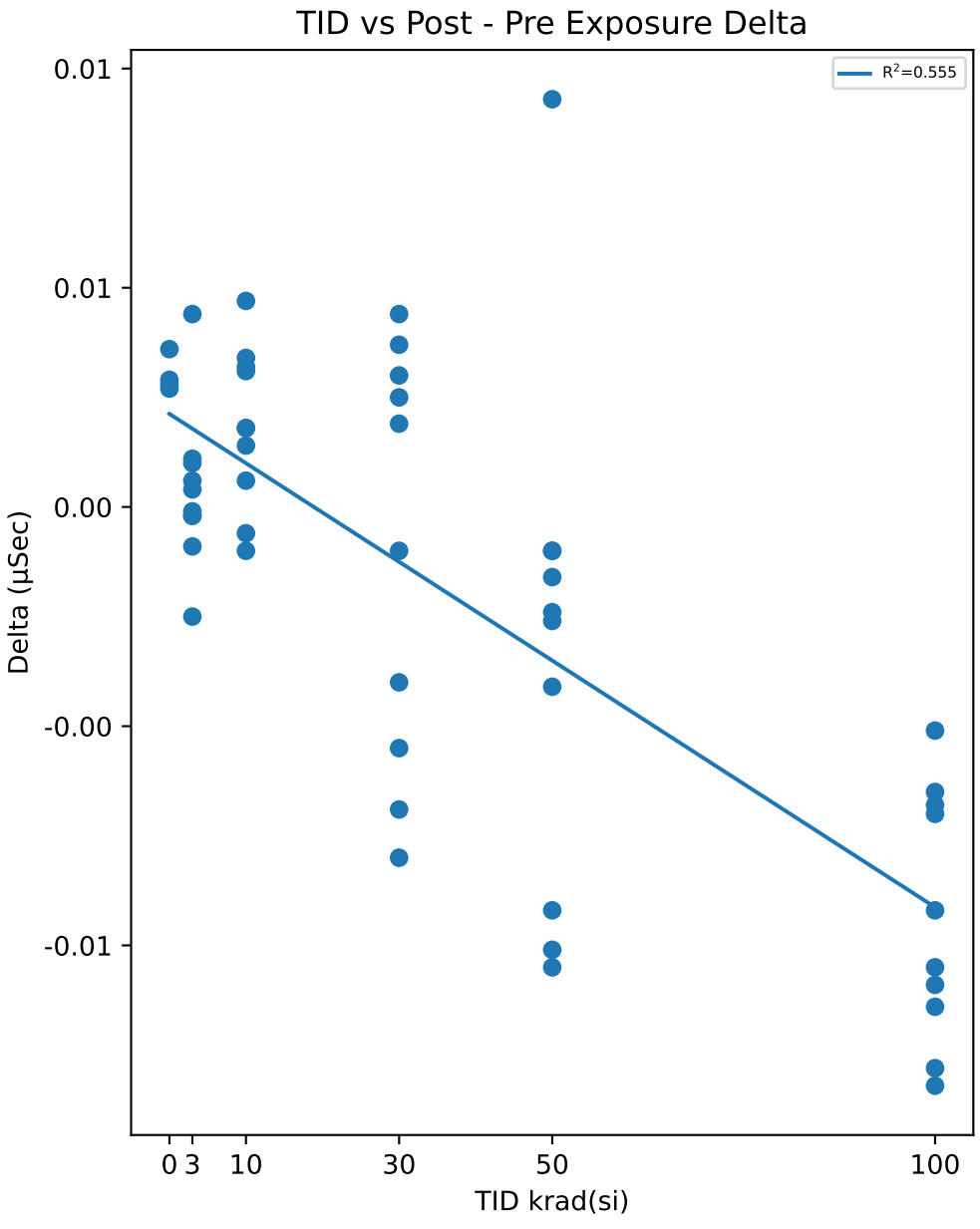
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.0064	1.0032	-0.0032
3	3	Biased	1.0169	1.0152	-0.0017
4	3	Biased	1.0337	1.0307	-0.003
5	3	Biased	1.0026	0.9999	-0.0027
6	3	Biased	1.0098	1.0076	-0.0022
7	3	Unbiased	1.0085	1.0076	-0.0009
8	3	Unbiased	1.0124	1.0089	-0.0035
9	3	Unbiased	1.0116	1.0113	-0.0003
10	3	Unbiased	1.0105	1.0099	-0.0006
11	3	Unbiased	0.9974	0.9954	-0.002
12	10	Unbiased	0.9985	0.9955	-0.003
13	10	Unbiased	1.0092	1.0039	-0.0053
14	10	Unbiased	1.0038	0.9988	-0.005
15	10	Unbiased	1.0025	0.997	-0.0055
16	10	Unbiased	1.0155	1.0108	-0.0047
17	10	Biased	1.015	1.0116	-0.0034
18	10	Biased	1.0063	1.0043	-0.002
19	10	Biased	1.0286	1.0261	-0.0025
20	10	Biased	1.0119	1.0109	-0.001
21	10	Biased	0.998	0.9933	-0.0047
22	30	Biased	0.9963	0.9868	-0.0095
23	30	Biased	0.9982	0.9908	-0.0074
24	30	Biased	0.9982	0.9877	-0.0105
25	30	Biased	1.0022	0.9919	-0.0103
26	30	Biased	0.9953	0.9881	-0.0072
27	30	Unbiased	1.0085	0.9959	-0.0126
28	30	Unbiased	0.9998	0.9865	-0.0133
29	30	Unbiased	1.009	0.9929	-0.0161
30	30	Unbiased	0.9967	0.9802	-0.0165
31	30	Unbiased	1.0208	1.009	-0.0118
32	50	Biased	1.0001	0.9842	-0.0159
33	50	Biased	1.0006	0.9879	-0.0127
34	50	Biased	0.9984	0.9799	-0.0185
35	50	Biased	1.0012	0.9848	-0.0164
36	50	Biased	0.9997	0.9848	-0.0149
37	50	Unbiased	0.9988	0.9819	-0.0169
39	50	Unbiased	1.0016	0.9854	-0.0162
40	50	Unbiased	1.0093	0.9899	-0.0194
41	50	Unbiased	0.9964	0.974	-0.0224
42	50	Unbiased	0.9993	0.9758	-0.0235
43	100	Biased	1.0127	0.982	-0.0307
44	100	Biased	1	0.9685	-0.0315
45	100	Biased	1.0033	0.9685	-0.0348
46	100	Biased	1.0114	0.9835	-0.0279
47	100	Biased	1.0095	0.9824	-0.0271
48	100	Unbiased	0.9938	0.9536	-0.0402
49	100	Unbiased	0.9956	0.9544	-0.0412
50	100	Unbiased	1.0056	0.966	-0.0396
51	100	Unbiased	1.0126	0.9725	-0.0401
52	100	Unbiased	1.0014	0.9633	-0.0381
53	0	Correlation	0.9953	0.9988	0.0035
54	0	Correlation	1.0017	1.0041	0.0024
55	0	Correlation	1.0089	1.0117	0.0028
56	0	Correlation	1.0137	1.0165	0.0028

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.9953	1.0049	1.0137	0.0080796	0.9988	1.0078	1.0165	0.0078653	0.0024	0.002875	0.0035	0.00045735
3	0.9974	1.011	1.0337	0.0096439	0.9954	1.009	1.0307	0.0095496	-0.0035	-0.00201	-0.0003	0.0011239
10	0.998	1.0089	1.0286	0.0093014	0.9933	1.0052	1.0261	0.0099332	-0.0055	-0.00371	-0.001	0.0015524
30	0.9953	1.0025	1.0208	0.0080376	0.9802	0.99098	1.009	0.007647	-0.0165	-0.01152	-0.0072	0.0032048
50	0.9964	1.0005	1.0093	0.0034235	0.974	0.98286	0.9899	0.0050416	-0.0235	-0.01768	-0.0127	0.0033319
100	0.9938	1.0046	1.0127	0.0069249	0.9536	0.96947	0.9835	0.010858	-0.0412	-0.03512	-0.0271	0.0054336

Device Test: 5.11; PROPD_RESET





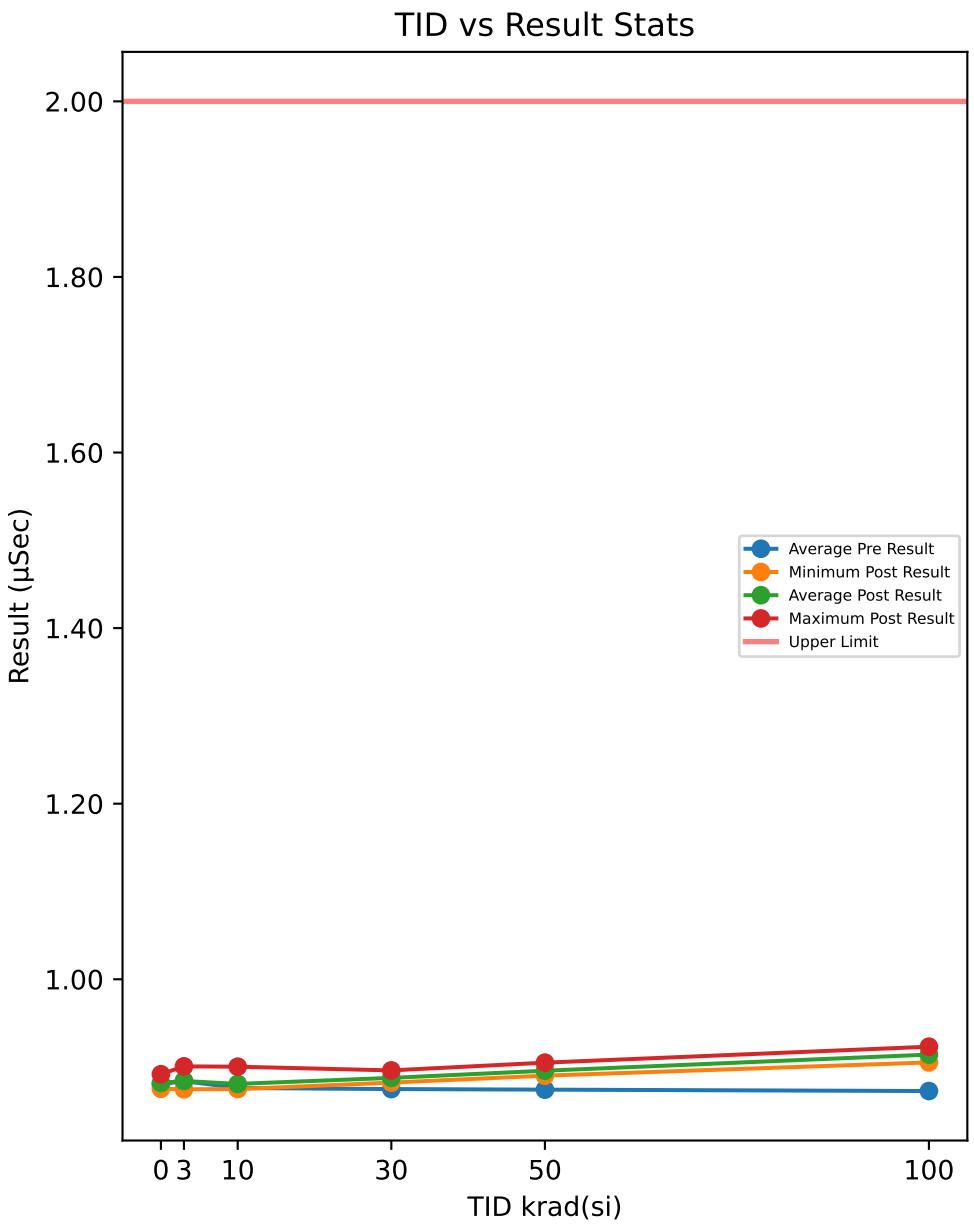
Test Results (Upper Limit = 4.3 (µSec))

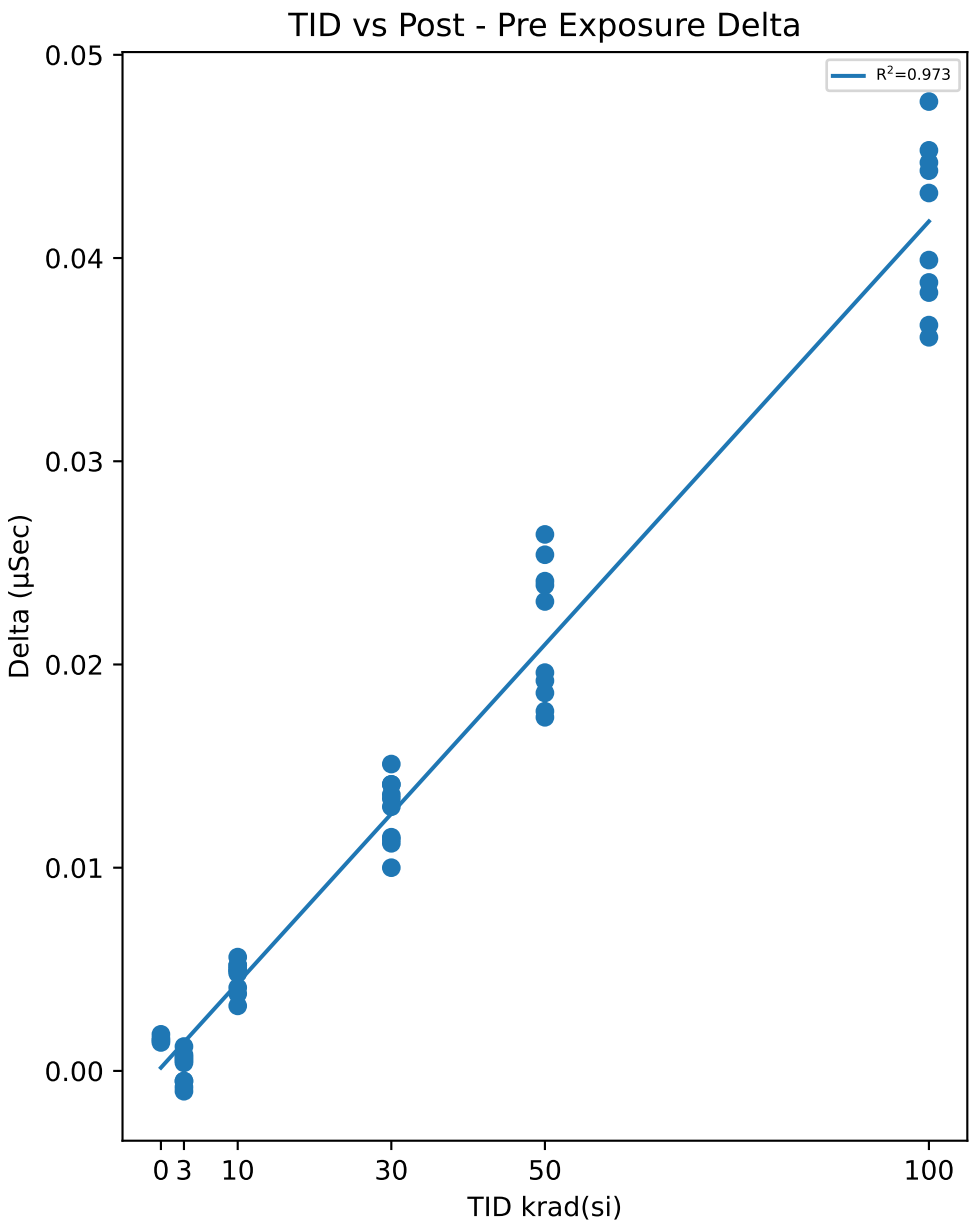
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.6982	0.6957	-0.0025
3	3	Biased	0.6783	0.6787	0.0004
4	3	Biased	0.7063	0.7073	0.001
5	3	Biased	0.6889	0.6887	-0.0002
6	3	Biased	0.6825	0.6831	0.0006
7	3	Unbiased	0.7087	0.7078	-0.0009
8	3	Unbiased	0.6897	0.6896	-0.0001
9	3	Unbiased	0.6871	0.6869	-0.0002
10	3	Unbiased	0.7082	0.7126	0.0044
11	3	Unbiased	0.6681	0.6692	0.0011
12	10	Unbiased	0.6925	0.6972	0.0047
13	10	Unbiased	0.6946	0.6977	0.0031
14	10	Unbiased	0.6994	0.6984	-0.001
15	10	Unbiased	0.6965	0.6971	0.0006
16	10	Unbiased	0.6845	0.6839	-0.0006
17	10	Biased	0.6809	0.6827	0.0018
18	10	Biased	0.677	0.6802	0.0032
19	10	Biased	0.7017	0.7035	0.0018
20	10	Biased	0.6812	0.6826	0.0014
21	10	Biased	0.6906	0.694	0.0034
22	30	Biased	0.6899	0.683	-0.0069
23	30	Biased	0.6949	0.6974	0.0025
24	30	Biased	0.6918	0.6962	0.0044
25	30	Biased	0.6873	0.6863	-0.001
26	30	Biased	0.6874	0.6893	0.0019
27	30	Unbiased	0.6979	0.7016	0.0037
28	30	Unbiased	0.6948	0.6908	-0.004
29	30	Unbiased	0.7009	0.6954	-0.0055
30	30	Unbiased	0.7019	0.6939	-0.008
31	30	Unbiased	0.6913	0.6943	0.003
32	50	Biased	0.6947	0.6855	-0.0092
33	50	Biased	0.6892	0.6985	0.0093
34	50	Biased	0.6965	0.6939	-0.0026
35	50	Biased	0.6814	0.6773	-0.0041
36	50	Biased	0.6864	0.6848	-0.0016
37	50	Unbiased	0.6868	0.6858	-0.001
39	50	Unbiased	0.6946	0.6922	-0.0024
40	50	Unbiased	0.6946	0.6936	-0.001
41	50	Unbiased	0.7019	0.6918	-0.0101
42	50	Unbiased	0.6807	0.6702	-0.0105
43	100	Biased	0.6914	0.6809	-0.0105
44	100	Biased	0.681	0.6682	-0.0128
45	100	Biased	0.684	0.6726	-0.0114
46	100	Biased	0.7043	0.6978	-0.0065
47	100	Biased	0.6921	0.687	-0.0051
48	100	Unbiased	0.6887	0.6755	-0.0132
49	100	Unbiased	0.682	0.6752	-0.0068
50	100	Unbiased	0.694	0.6831	-0.0109
51	100	Unbiased	0.678	0.6688	-0.0092
52	100	Unbiased	0.7061	0.6991	-0.007
53	0	Correlation	0.6938	0.6966	0.0028
54	0	Correlation	0.7038	0.7065	0.0027
55	0	Correlation	0.7	0.7029	0.0029
56	0	Correlation	0.675	0.6786	0.0036

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.675	0.69315	0.7038	0.012783	0.6786	0.69615	0.7065	0.012395	0.0027	0.003	0.0036	0.00040825
3	0.6681	0.6916	0.7087	0.013625	0.6692	0.69196	0.7126	0.013906	-0.0025	0.00036	0.0044	0.0017621
10	0.677	0.68989	0.7017	0.0085287	0.6802	0.69173	0.7035	0.0084441	-0.001	0.00184	0.0047	0.0018198
30	0.6873	0.69381	0.7019	0.0052037	0.683	0.69282	0.7016	0.0055269	-0.008	-0.00099	0.0044	0.0047255
50	0.6807	0.69068	0.7019	0.0068955	0.6702	0.68736	0.6985	0.0085444	-0.0105	-0.00332	0.0093	0.005841
100	0.678	0.69016	0.7061	0.0095015	0.6682	0.68082	0.6991	0.011041	-0.0132	-0.00934	-0.0051	0.0028457

Device Test: 5.110; PROPD_SR_UVLO





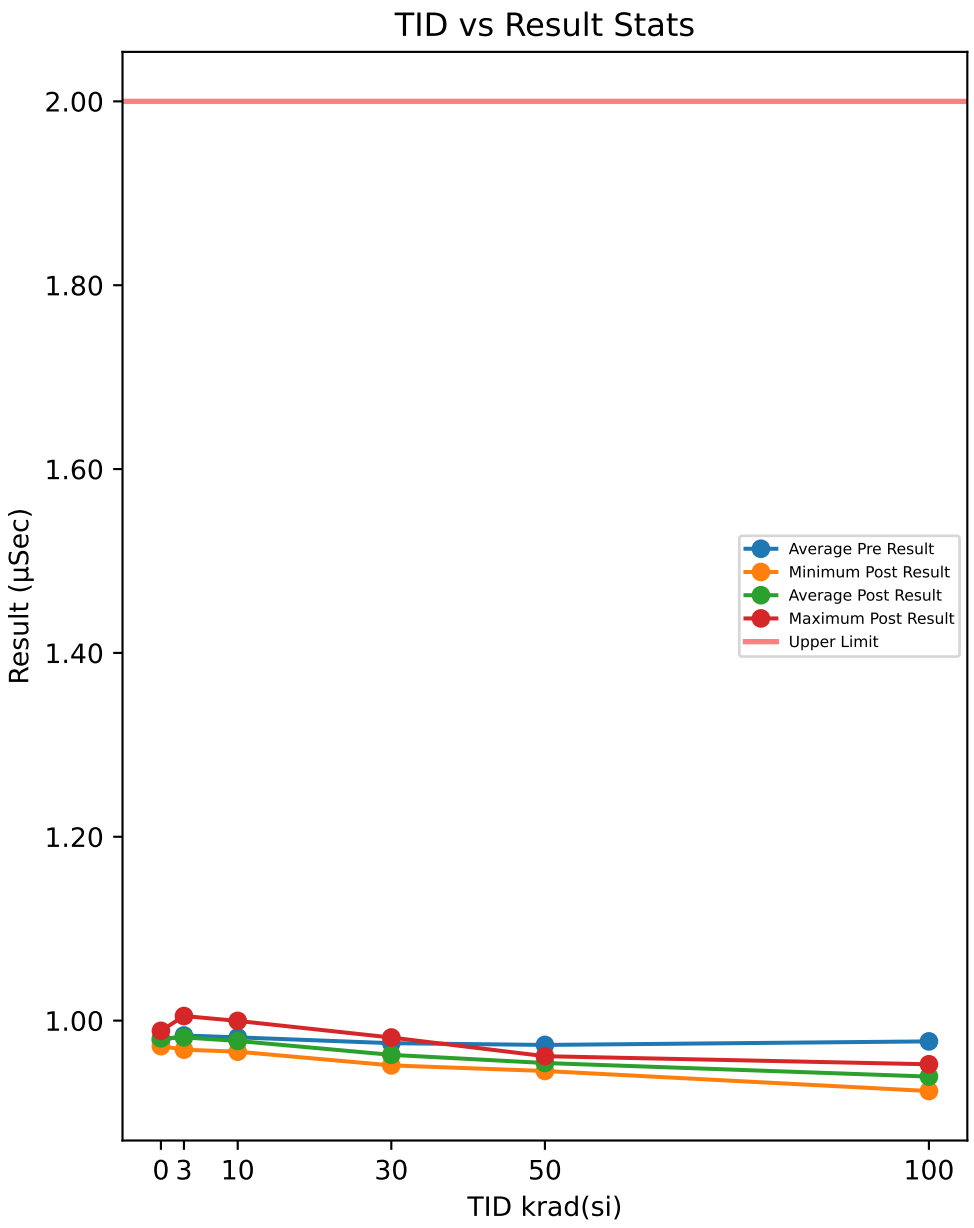
Test Results (Upper Limit = 2.0 (µSec))

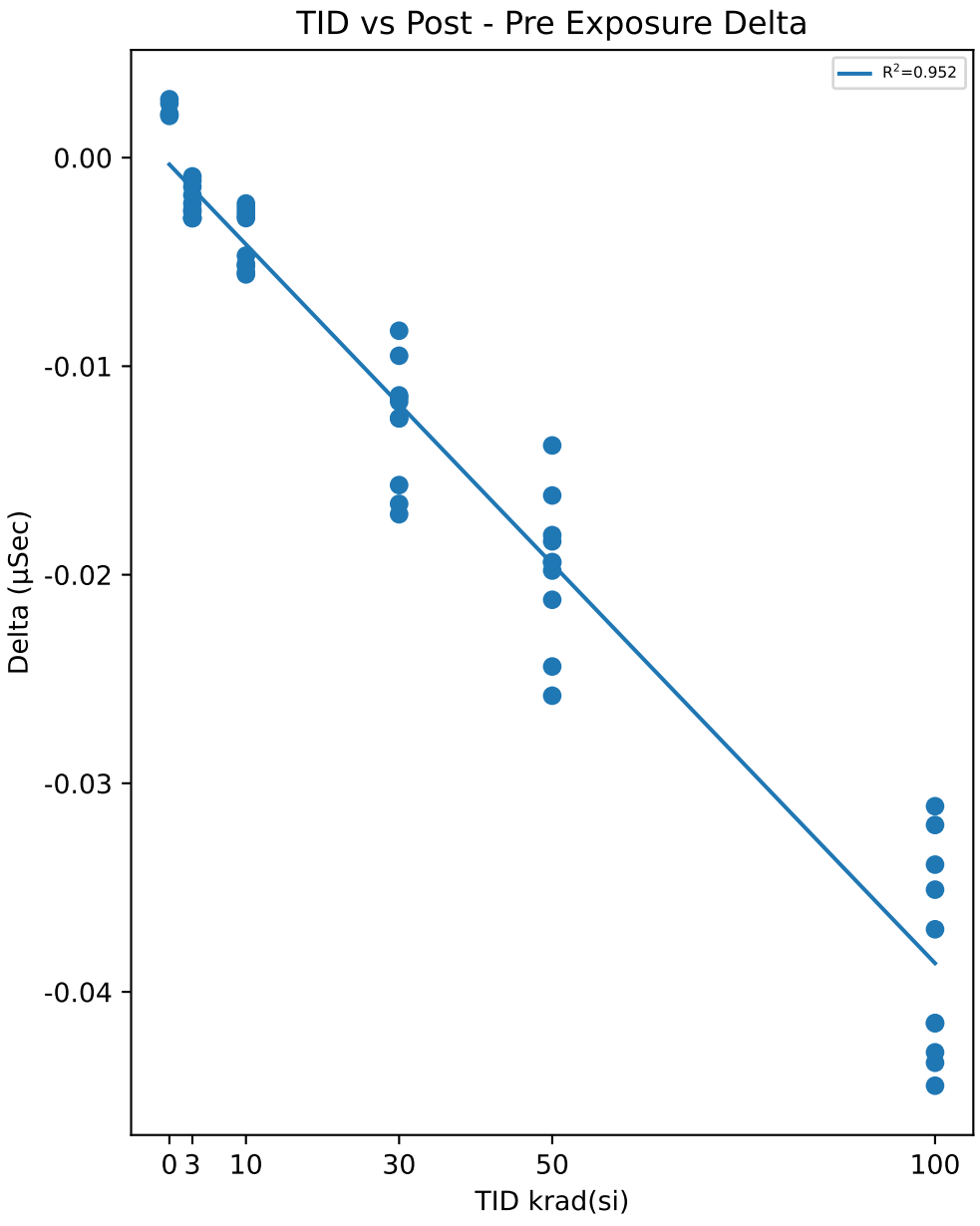
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.8819	0.8811	-0.0008
3	3	Biased	0.8824	0.8819	-0.0005
4	3	Biased	0.9013	0.9008	-0.0005
5	3	Biased	0.8788	0.8778	-0.001
6	3	Biased	0.8845	0.885	0.0005
7	3	Unbiased	0.8867	0.8873	0.0006
8	3	Unbiased	0.8845	0.8849	0.0004
9	3	Unbiased	0.874	0.8747	0.0007
10	3	Unbiased	0.8912	0.8924	0.0012
11	3	Unbiased	0.8748	0.8756	0.0008
12	10	Unbiased	0.8777	0.8833	0.0056
13	10	Unbiased	0.8751	0.88	0.0049
14	10	Unbiased	0.8713	0.8765	0.0052
15	10	Unbiased	0.8731	0.8769	0.0038
16	10	Unbiased	0.8768	0.8818	0.005
17	10	Biased	0.8752	0.8793	0.0041
18	10	Biased	0.8697	0.8749	0.0052
19	10	Biased	0.8954	0.9004	0.005
20	10	Biased	0.8737	0.8785	0.0048
21	10	Biased	0.8733	0.8765	0.0032
22	30	Biased	0.8723	0.8823	0.01
23	30	Biased	0.8799	0.8929	0.013
24	30	Biased	0.8716	0.8828	0.0112
25	30	Biased	0.8739	0.8854	0.0115
26	30	Biased	0.8751	0.8865	0.0114
27	30	Unbiased	0.8828	0.8962	0.0134
28	30	Unbiased	0.8726	0.8867	0.0141
29	30	Unbiased	0.8769	0.891	0.0141
30	30	Unbiased	0.8719	0.887	0.0151
31	30	Unbiased	0.8723	0.8859	0.0136
32	50	Biased	0.874	0.8914	0.0174
33	50	Biased	0.8771	0.8957	0.0186
34	50	Biased	0.8724	0.8916	0.0192
35	50	Biased	0.8726	0.8922	0.0196
36	50	Biased	0.8725	0.8902	0.0177
37	50	Unbiased	0.8722	0.8976	0.0254
39	50	Unbiased	0.8732	0.8996	0.0264
40	50	Unbiased	0.8819	0.905	0.0231
41	50	Unbiased	0.8725	0.8964	0.0239
42	50	Unbiased	0.8744	0.8985	0.0241
43	100	Biased	0.8732	0.9093	0.0361
44	100	Biased	0.867	0.9053	0.0383
45	100	Biased	0.8742	0.9141	0.0399
46	100	Biased	0.8844	0.9232	0.0388
47	100	Biased	0.8718	0.9085	0.0367
48	100	Unbiased	0.8745	0.9198	0.0453
49	100	Unbiased	0.8663	0.914	0.0477
50	100	Unbiased	0.869	0.9122	0.0432
51	100	Unbiased	0.869	0.9137	0.0447
52	100	Unbiased	0.8775	0.9218	0.0443
53	0	Correlation	0.8809	0.8827	0.0018
54	0	Correlation	0.8738	0.8753	0.0015
55	0	Correlation	0.8902	0.8918	0.0016
56	0	Correlation	0.8764	0.8778	0.0014

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.8738	0.88033	0.8902	0.0072071	0.8753	0.8819	0.8918	0.0072806	0.0014	0.001575	0.0018	0.00017078
3	0.874	0.88401	0.9013	0.0080109	0.8747	0.88415	0.9008	0.0079832	-0.001	0.00014	0.0012	0.00076623
10	0.8697	0.87613	0.8954	0.0071798	0.8749	0.88081	0.9004	0.0073529	0.0032	0.00468	0.0056	0.00074207
30	0.8716	0.87493	0.8828	0.0038172	0.8823	0.88767	0.8962	0.0044071	0.01	0.01274	0.0151	0.0016236
50	0.8722	0.87428	0.8819	0.0030604	0.8902	0.89582	0.905	0.0046103	0.0174	0.02154	0.0264	0.0033804
100	0.8663	0.87269	0.8844	0.0054499	0.9053	0.91419	0.9232	0.0058702	0.0361	0.0415	0.0477	0.0040296

Device Test: 5.111; PROPD_SR_UVLO





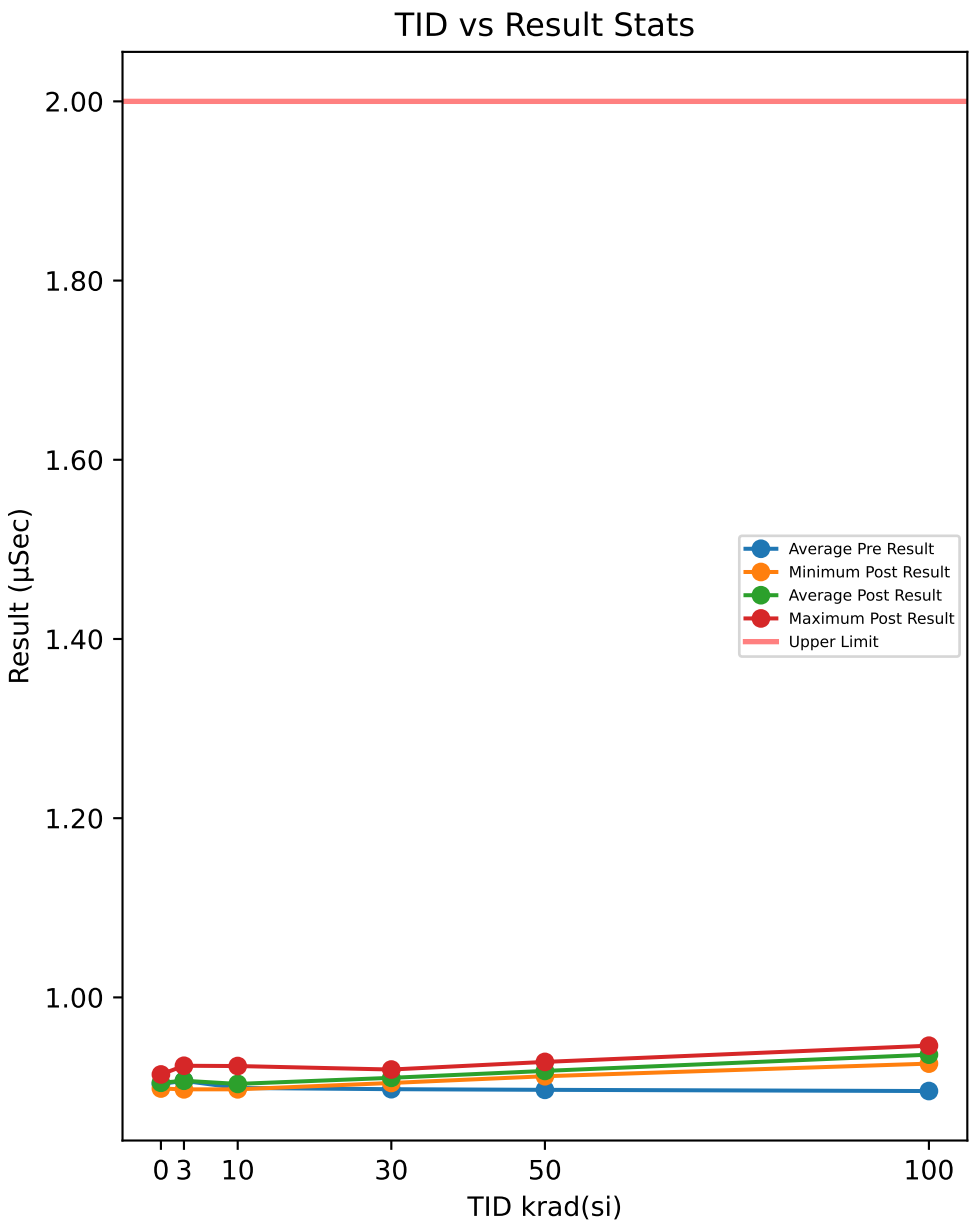
Test Results (Upper Limit = 2.0 (µSec))

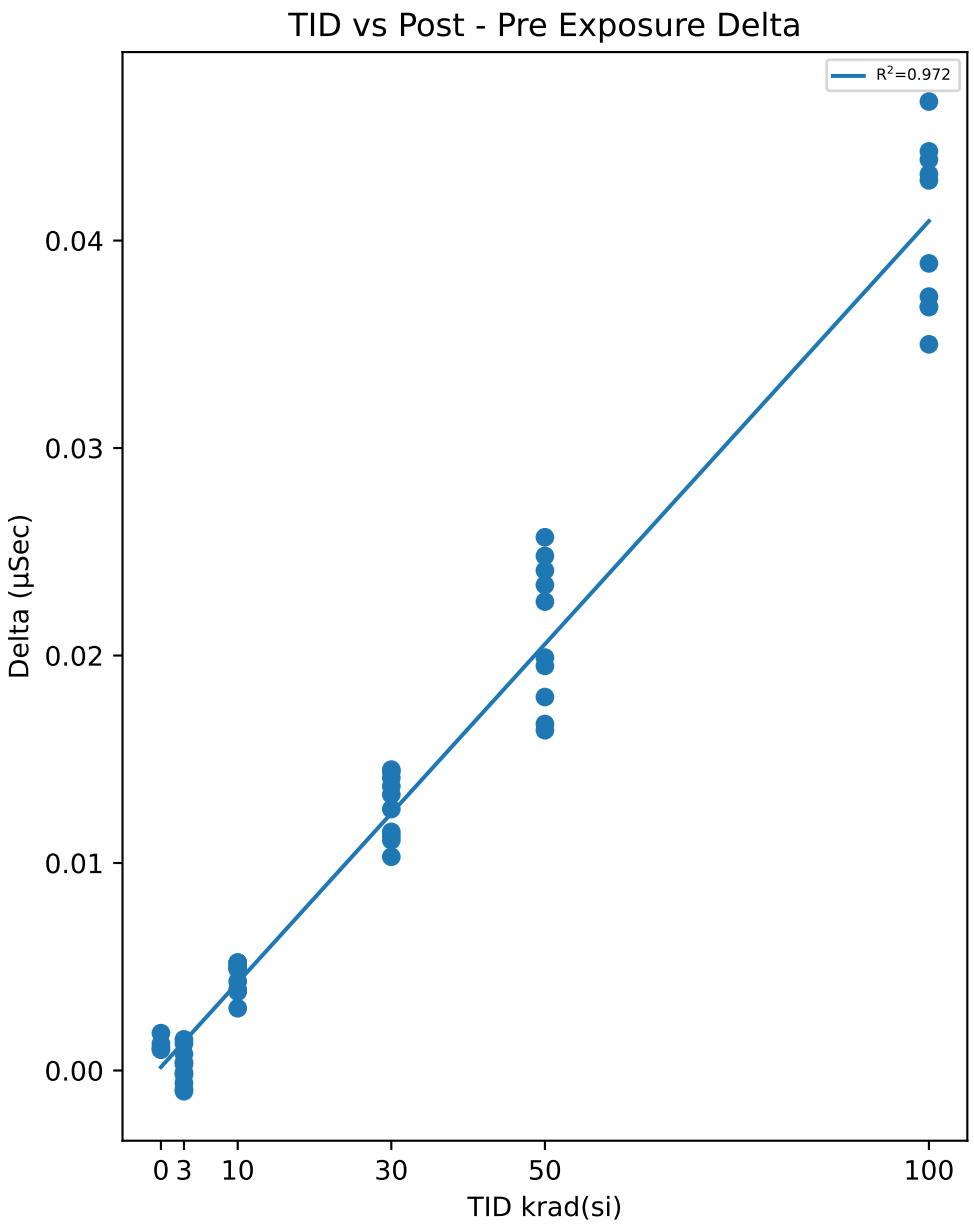
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.9788	0.9759	-0.0029
3	3	Biased	0.9912	0.9886	-0.0026
4	3	Biased	1.0075	1.005	-0.0025
5	3	Biased	0.975	0.9721	-0.0029
6	3	Biased	0.9823	0.9809	-0.0014
7	3	Unbiased	0.9815	0.9793	-0.0022
8	3	Unbiased	0.9846	0.9817	-0.0029
9	3	Unbiased	0.9839	0.983	-0.0009
10	3	Unbiased	0.9833	0.9822	-0.0011
11	3	Unbiased	0.9702	0.9684	-0.0018
12	10	Unbiased	0.9711	0.9687	-0.0024
13	10	Unbiased	0.981	0.9755	-0.0055
14	10	Unbiased	0.9767	0.9716	-0.0051
15	10	Unbiased	0.975	0.9694	-0.0056
16	10	Unbiased	0.9891	0.9839	-0.0052
17	10	Biased	0.9864	0.9842	-0.0022
18	10	Biased	0.9793	0.9765	-0.0028
19	10	Biased	1.0026	0.9997	-0.0029
20	10	Biased	0.9858	0.9832	-0.0026
21	10	Biased	0.9709	0.9662	-0.0047
22	30	Biased	0.9703	0.9588	-0.0115
23	30	Biased	0.9711	0.9616	-0.0095
24	30	Biased	0.9711	0.9597	-0.0114
25	30	Biased	0.975	0.9633	-0.0117
26	30	Biased	0.9684	0.9601	-0.0083
27	30	Unbiased	0.9808	0.9683	-0.0125
28	30	Unbiased	0.9742	0.9585	-0.0157
29	30	Unbiased	0.981	0.9644	-0.0166
30	30	Unbiased	0.9684	0.9513	-0.0171
31	30	Unbiased	0.9941	0.9816	-0.0125
32	50	Biased	0.974	0.9556	-0.0184
33	50	Biased	0.9731	0.9593	-0.0138
34	50	Biased	0.9703	0.9509	-0.0194
35	50	Biased	0.9737	0.9556	-0.0181
36	50	Biased	0.9722	0.956	-0.0162
37	50	Unbiased	0.9721	0.9527	-0.0194
39	50	Unbiased	0.9758	0.956	-0.0198
40	50	Unbiased	0.9825	0.9613	-0.0212
41	50	Unbiased	0.9696	0.9452	-0.0244
42	50	Unbiased	0.9722	0.9464	-0.0258
43	100	Biased	0.9851	0.9512	-0.0339
44	100	Biased	0.9725	0.9374	-0.0351
45	100	Biased	0.9748	0.9378	-0.037
46	100	Biased	0.9845	0.9525	-0.032
47	100	Biased	0.9828	0.9517	-0.0311
48	100	Unbiased	0.9668	0.9234	-0.0434
49	100	Unbiased	0.969	0.9245	-0.0445
50	100	Unbiased	0.9782	0.9367	-0.0415
51	100	Unbiased	0.9862	0.9433	-0.0429
52	100	Unbiased	0.9741	0.9326	-0.0415
53	0	Correlation	0.9694	0.9722	0.0028
54	0	Correlation	0.9747	0.9773	0.0026
55	0	Correlation	0.9825	0.9845	0.002
56	0	Correlation	0.9868	0.9889	0.0021

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.9694	0.97835	0.9868	0.00779	0.9722	0.98072	0.9889	0.0074271	0.002	0.002375	0.0028	0.00038622
3	0.9702	0.98383	1.0075	0.010068	0.9684	0.98171	1.005	0.010008	-0.0029	-0.00212	-0.0009	0.00077143
10	0.9709	0.98179	1.0026	0.0096352	0.9662	0.97789	0.9997	0.010112	-0.0056	-0.0039	-0.0022	0.0014244
30	0.9684	0.97544	0.9941	0.0079776	0.9513	0.96276	0.9816	0.0079691	-0.0171	-0.01268	-0.0083	0.0029321
50	0.9696	0.97355	0.9825	0.0036133	0.9452	0.9539	0.9613	0.0051737	-0.0258	-0.01965	-0.0138	0.0035438
100	0.9668	0.9774	0.9862	0.0070041	0.9234	0.93911	0.9525	0.010618	-0.0445	-0.03829	-0.0311	0.0050432

Device Test: 5.112; PROPD_SR_UVLO





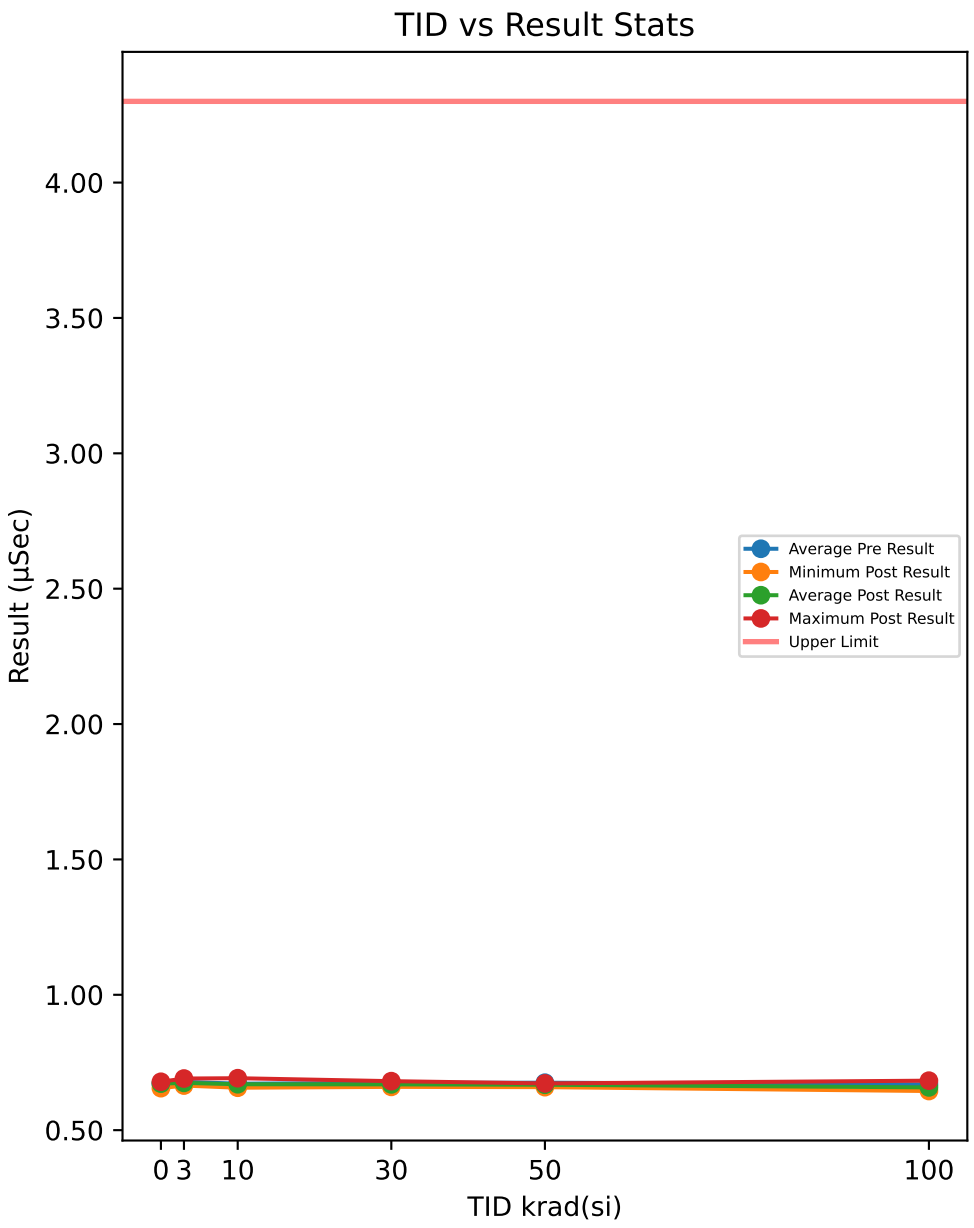
Test Results (Upper Limit = 2.0 (µSec))

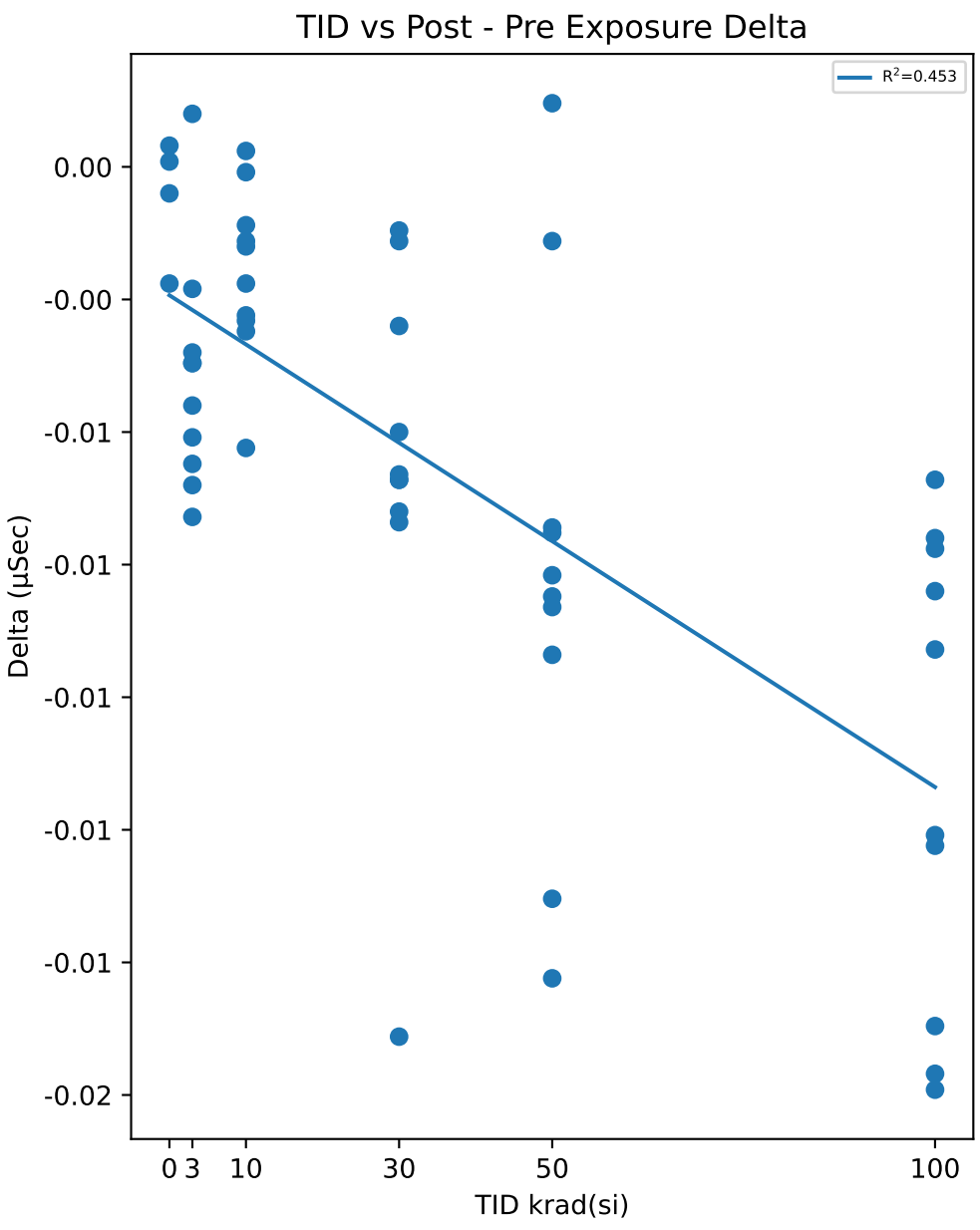
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.9049	0.9039	-0.001
3	3	Biased	0.9045	0.9039	-0.0006
4	3	Biased	0.9246	0.9237	-0.0009
5	3	Biased	0.9019	0.9018	-0.0001
6	3	Biased	0.9074	0.9072	-0.0002
7	3	Unbiased	0.9098	0.9101	0.0003
8	3	Unbiased	0.9074	0.9078	0.0004
9	3	Unbiased	0.8973	0.8988	0.0015
10	3	Unbiased	0.9145	0.9153	0.0008
11	3	Unbiased	0.8961	0.8974	0.0013
12	10	Unbiased	0.9004	0.9056	0.0052
13	10	Unbiased	0.8981	0.9033	0.0052
14	10	Unbiased	0.8928	0.8978	0.005
15	10	Unbiased	0.8962	0.9005	0.0043
16	10	Unbiased	0.8987	0.9038	0.0051
17	10	Biased	0.8985	0.9024	0.0039
18	10	Biased	0.8925	0.8974	0.0049
19	10	Biased	0.9196	0.9234	0.0038
20	10	Biased	0.8963	0.9012	0.0049
21	10	Biased	0.8961	0.8991	0.003
22	30	Biased	0.893	0.9045	0.0115
23	30	Biased	0.9028	0.9161	0.0133
24	30	Biased	0.8943	0.9056	0.0113
25	30	Biased	0.897	0.9081	0.0111
26	30	Biased	0.8979	0.9082	0.0103
27	30	Unbiased	0.9058	0.9195	0.0137
28	30	Unbiased	0.8943	0.9087	0.0144
29	30	Unbiased	0.8997	0.9138	0.0141
30	30	Unbiased	0.8955	0.91	0.0145
31	30	Unbiased	0.8953	0.9079	0.0126
32	50	Biased	0.8958	0.9122	0.0164
33	50	Biased	0.8999	0.9179	0.018
34	50	Biased	0.8952	0.9147	0.0195
35	50	Biased	0.8951	0.915	0.0199
36	50	Biased	0.8953	0.912	0.0167
37	50	Unbiased	0.8951	0.9199	0.0248
39	50	Unbiased	0.8948	0.9205	0.0257
40	50	Unbiased	0.9054	0.928	0.0226
41	50	Unbiased	0.8951	0.9185	0.0234
42	50	Unbiased	0.8967	0.9208	0.0241
43	100	Biased	0.8964	0.9314	0.035
44	100	Biased	0.8893	0.9261	0.0368
45	100	Biased	0.8976	0.9365	0.0389
46	100	Biased	0.9088	0.9461	0.0373
47	100	Biased	0.8928	0.9296	0.0368
48	100	Unbiased	0.8974	0.9417	0.0443
49	100	Unbiased	0.8896	0.9363	0.0467
50	100	Unbiased	0.8911	0.9343	0.0432
51	100	Unbiased	0.8918	0.9347	0.0429
52	100	Unbiased	0.9002	0.9441	0.0439
53	0	Correlation	0.9037	0.905	0.0013
54	0	Correlation	0.8965	0.8983	0.0018
55	0	Correlation	0.913	0.914	0.001
56	0	Correlation	0.9005	0.9016	0.0011

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.8965	0.90342	0.913	0.0070301	0.8983	0.90473	0.914	0.0067613	0.001	0.0013	0.0018	0.0003559
3	0.8961	0.90684	0.9246	0.0083232	0.8974	0.90699	0.9237	0.0079143	-0.001	0.00015	0.0015	0.00087082
10	0.8925	0.89892	0.9196	0.0076857	0.8974	0.90345	0.9234	0.0074914	0.003	0.00453	0.0052	0.00074841
30	0.893	0.89756	0.9058	0.0041064	0.9045	0.91024	0.9195	0.0047596	0.0103	0.01268	0.0145	0.0015339
50	0.8948	0.89684	0.9054	0.0033672	0.912	0.91795	0.928	0.0048012	0.0164	0.02111	0.0257	0.0034391
100	0.8893	0.8955	0.9088	0.0059759	0.9261	0.93608	0.9461	0.0063692	0.035	0.04058	0.0467	0.0040532

Device Test: 5.12; PROPD_RESET





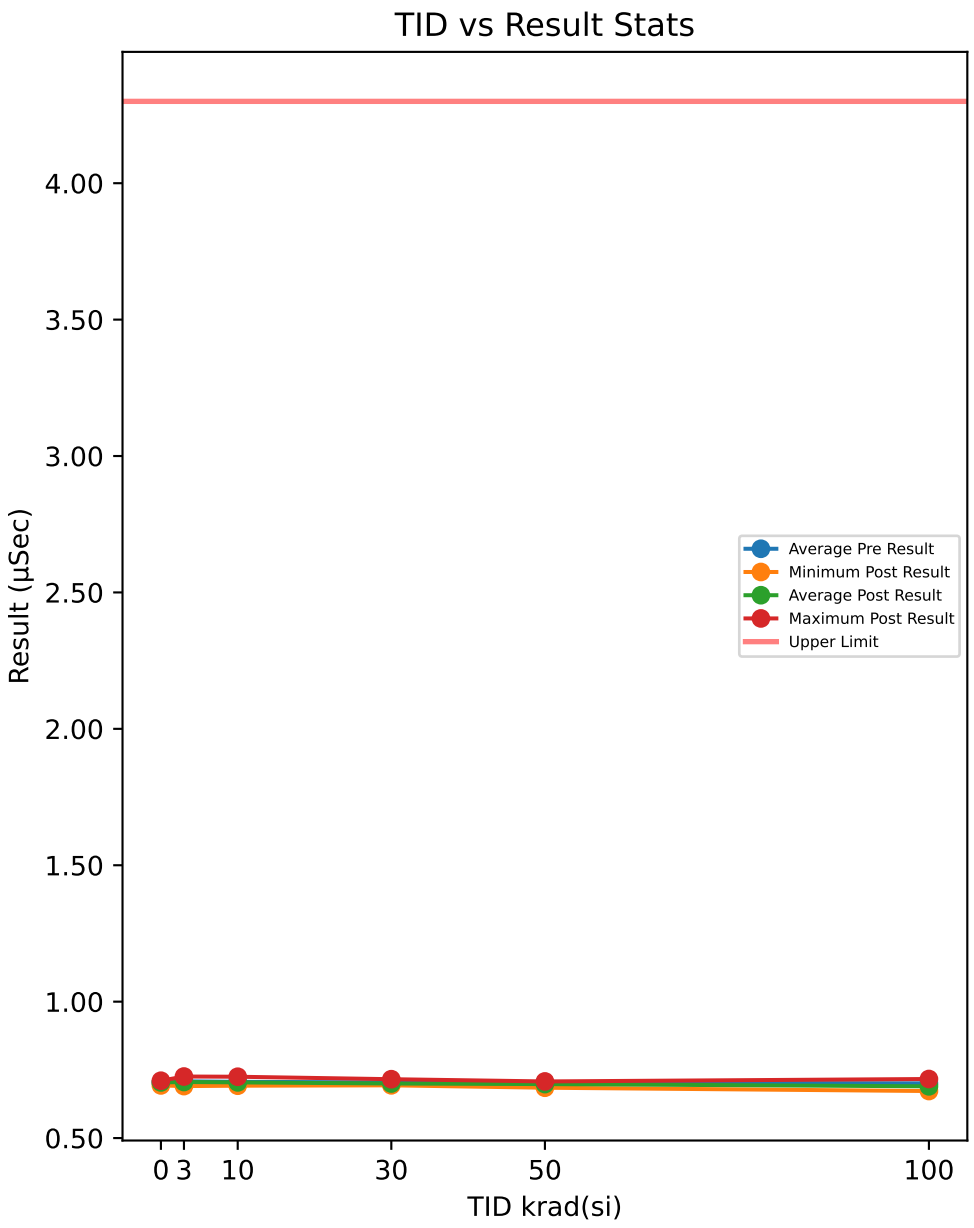
Test Results (Upper Limit = 4.3 (µSec))

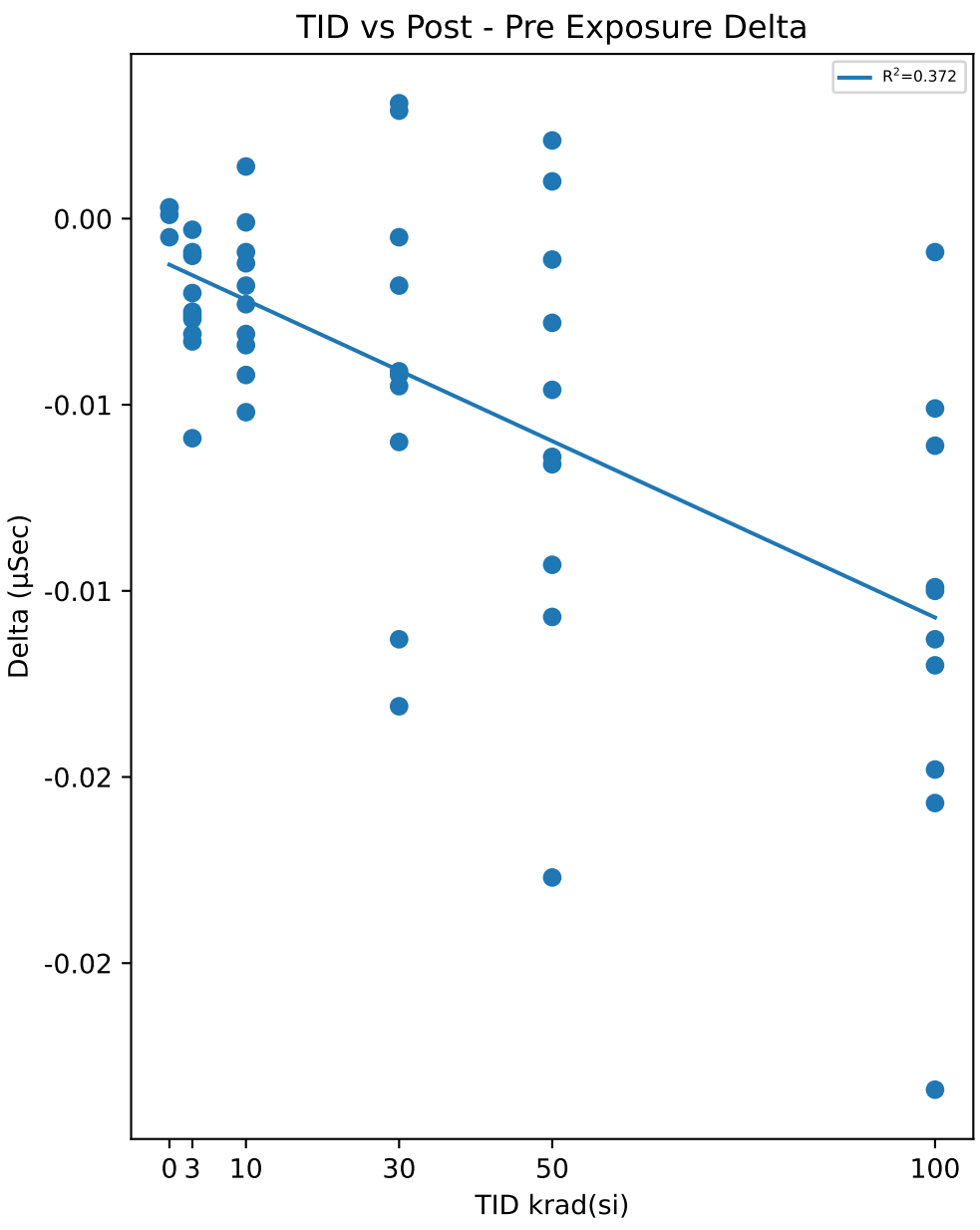
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.6841	0.6781	-0.006
3	3	Biased	0.681	0.6775	-0.0035
4	3	Biased	0.6946	0.6895	-0.0051
5	3	Biased	0.6713	0.6647	-0.0066
6	3	Biased	0.6683	0.6693	0.001
7	3	Unbiased	0.6789	0.6733	-0.0056
8	3	Unbiased	0.6693	0.6656	-0.0037
9	3	Unbiased	0.6717	0.668	-0.0037
10	3	Unbiased	0.693	0.6907	-0.0023
11	3	Unbiased	0.6741	0.6696	-0.0045
12	10	Unbiased	0.6747	0.675	0.0003
13	10	Unbiased	0.6581	0.6567	-0.0014
14	10	Unbiased	0.6702	0.6701	-0.0001
15	10	Unbiased	0.6767	0.6714	-0.0053
16	10	Unbiased	0.6707	0.6685	-0.0022
17	10	Biased	0.6606	0.6578	-0.0028
18	10	Biased	0.6585	0.657	-0.0015
19	10	Biased	0.6948	0.6919	-0.0029
20	10	Biased	0.6621	0.661	-0.0011
21	10	Biased	0.6895	0.6864	-0.0031
22	30	Biased	0.6673	0.6606	-0.0067
23	30	Biased	0.6746	0.6732	-0.0014
24	30	Biased	0.6663	0.6598	-0.0065
25	30	Biased	0.6769	0.6719	-0.005
26	30	Biased	0.6771	0.6759	-0.0012
27	30	Unbiased	0.6868	0.681	-0.0058
28	30	Unbiased	0.6692	0.6633	-0.0059
29	30	Unbiased	0.678	0.6721	-0.0059
30	30	Unbiased	0.6842	0.6678	-0.0164
31	30	Unbiased	0.6681	0.6651	-0.003
32	50	Biased	0.686	0.6707	-0.0153
33	50	Biased	0.6722	0.6708	-0.0014
34	50	Biased	0.6783	0.67	-0.0083
35	50	Biased	0.6656	0.6588	-0.0068
36	50	Biased	0.6788	0.6696	-0.0092
37	50	Unbiased	0.6807	0.6726	-0.0081
39	50	Unbiased	0.6688	0.67	0.0012
40	50	Unbiased	0.6783	0.6706	-0.0077
41	50	Unbiased	0.6754	0.6616	-0.0138
42	50	Unbiased	0.6691	0.6622	-0.0069
43	100	Biased	0.6682	0.6623	-0.0059
44	100	Biased	0.6636	0.651	-0.0126
45	100	Biased	0.6556	0.6486	-0.007
46	100	Biased	0.6908	0.6828	-0.008
47	100	Biased	0.6667	0.6576	-0.0091
48	100	Unbiased	0.6573	0.6445	-0.0128
49	100	Unbiased	0.6686	0.6515	-0.0171
50	100	Unbiased	0.6813	0.6651	-0.0162
51	100	Unbiased	0.6696	0.6522	-0.0174
52	100	Unbiased	0.671	0.6638	-0.0072
53	0	Correlation	0.6767	0.6762	-0.0005
54	0	Correlation	0.6783	0.6787	0.0004
55	0	Correlation	0.6795	0.6773	-0.0022
56	0	Correlation	0.655	0.6551	0.0001

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.655	0.67237	0.6795	0.01164	0.6551	0.67183	0.6787	0.011197	-0.0022	-0.00055	0.0004	0.0011619
3	0.6683	0.67863	0.6946	0.0095054	0.6647	0.67463	0.6907	0.0093048	-0.0066	-0.004	0.001	0.0021884
10	0.6581	0.67159	0.6948	0.012746	0.6567	0.66958	0.6919	0.012255	-0.0053	-0.00201	0.0003	0.0016299
30	0.6663	0.67485	0.6868	0.0071264	0.6598	0.66907	0.681	0.0069247	-0.0164	-0.00578	-0.0012	0.0042515
50	0.6656	0.67532	0.686	0.0063096	0.6588	0.66769	0.6726	0.0048521	-0.0153	-0.00763	0.0012	0.0049221
100	0.6556	0.66927	0.6908	0.010445	0.6445	0.65794	0.6828	0.011122	-0.0174	-0.01133	-0.0059	0.0044595

Device Test: 5.13; PROPD_PWRGD





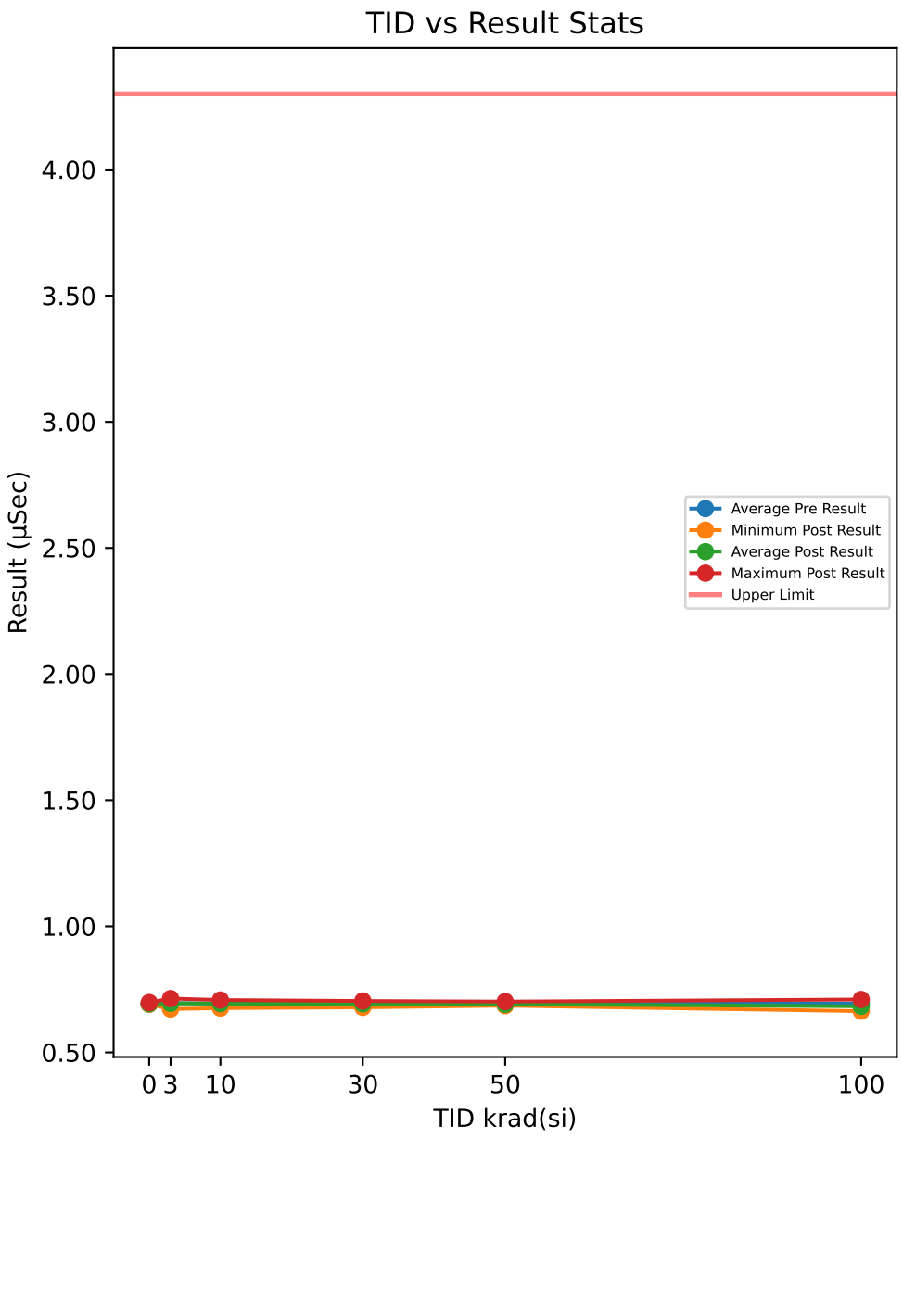
Test Results (Upper Limit = 4.3 (µSec))

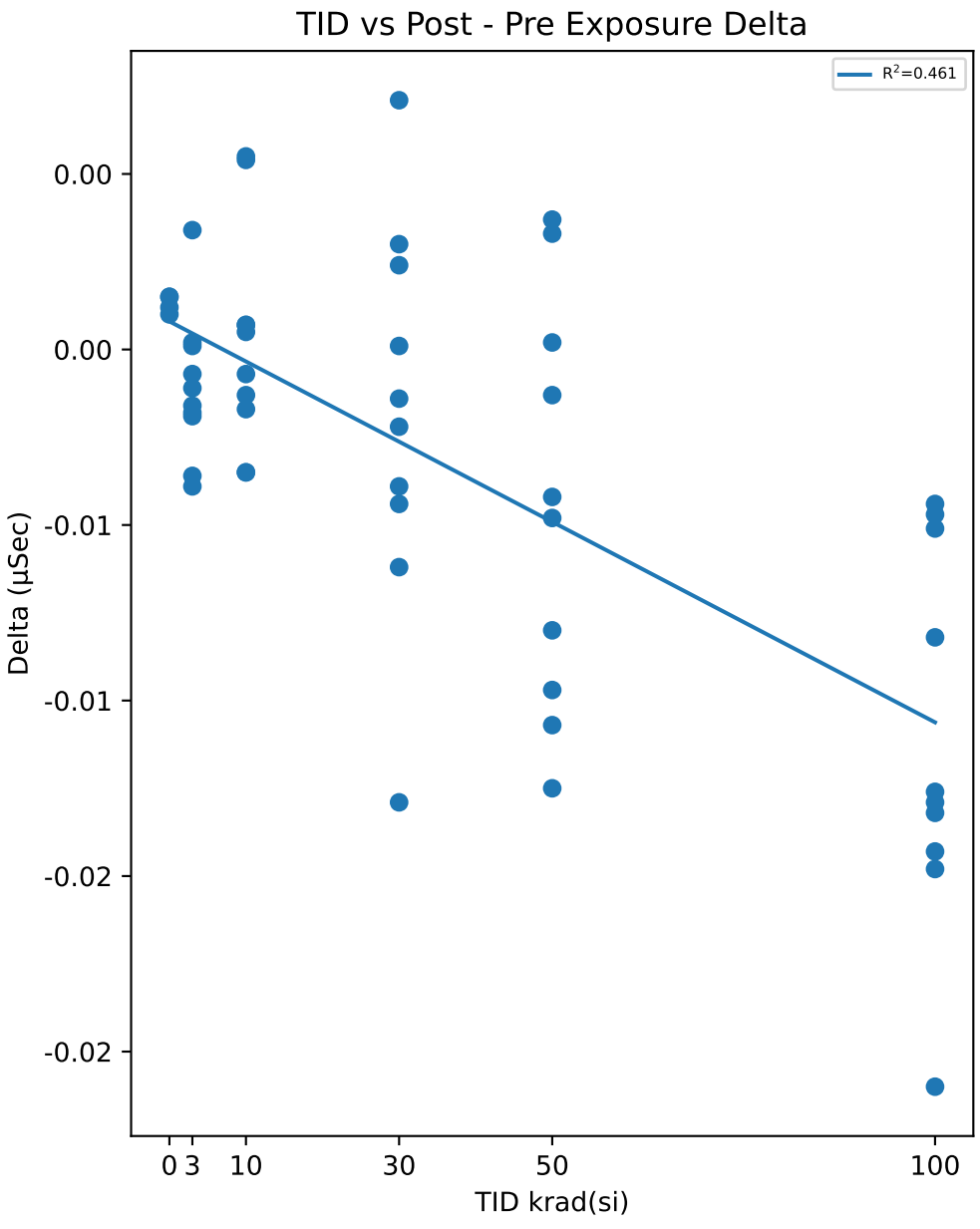
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7111	0.7078	-0.0033
3	3	Biased	0.7077	0.705	-0.0027
4	3	Biased	0.7287	0.7256	-0.0031
5	3	Biased	0.7051	0.6992	-0.0059
6	3	Biased	0.6938	0.6935	-0.0003
7	3	Unbiased	0.7072	0.7047	-0.0025
8	3	Unbiased	0.7048	0.7022	-0.0026
9	3	Unbiased	0.7111	0.7101	-0.001
10	3	Unbiased	0.7171	0.7162	-0.0009
11	3	Unbiased	0.6925	0.6905	-0.002
12	10	Unbiased	0.695	0.6964	0.0014
13	10	Unbiased	0.705	0.7038	-0.0012
14	10	Unbiased	0.6989	0.6937	-0.0052
15	10	Unbiased	0.7151	0.7133	-0.0018
16	10	Unbiased	0.7035	0.7012	-0.0023
17	10	Biased	0.7105	0.7096	-0.0009
18	10	Biased	0.7015	0.6984	-0.0031
19	10	Biased	0.729	0.7248	-0.0042
20	10	Biased	0.7084	0.7083	-0.0001
21	10	Biased	0.6953	0.6919	-0.0034
22	30	Biased	0.6993	0.6933	-0.006
23	30	Biased	0.7129	0.7158	0.0029
24	30	Biased	0.7012	0.6994	-0.0018
25	30	Biased	0.6998	0.6956	-0.0042
26	30	Biased	0.696	0.6955	-0.0005
27	30	Unbiased	0.7122	0.7077	-0.0045
28	30	Unbiased	0.7106	0.6993	-0.0113
29	30	Unbiased	0.7011	0.697	-0.0041
30	30	Unbiased	0.7091	0.696	-0.0131
31	30	Unbiased	0.6971	0.7002	0.0031
32	50	Biased	0.7121	0.6944	-0.0177
33	50	Biased	0.7026	0.7047	0.0021
34	50	Biased	0.7122	0.7076	-0.0046
35	50	Biased	0.6898	0.6887	-0.0011
36	50	Biased	0.7039	0.6932	-0.0107
37	50	Unbiased	0.6911	0.6845	-0.0066
39	50	Unbiased	0.7039	0.7049	0.001
40	50	Unbiased	0.7084	0.7056	-0.0028
41	50	Unbiased	0.7041	0.6977	-0.0064
42	50	Unbiased	0.7067	0.6974	-0.0093
43	100	Biased	0.6983	0.6883	-0.01
44	100	Biased	0.6948	0.6828	-0.012
45	100	Biased	0.6837	0.6724	-0.0113
46	100	Biased	0.7174	0.7165	-0.0009
47	100	Biased	0.6985	0.6924	-0.0061
48	100	Unbiased	0.6939	0.6791	-0.0148
49	100	Unbiased	0.7007	0.685	-0.0157
50	100	Unbiased	0.7106	0.6872	-0.0234
51	100	Unbiased	0.7089	0.699	-0.0099
52	100	Unbiased	0.6989	0.6938	-0.0051
53	0	Correlation	0.6927	0.693	0.0003
54	0	Correlation	0.7107	0.7102	-0.0005
55	0	Correlation	0.7043	0.7046	0.0003
56	0	Correlation	0.708	0.7081	0.0001

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6927	0.70393	0.7107	0.0079298	0.693	0.70398	0.7102	0.0076726	-0.0005	5e-05	0.0003	0.00037859
3	0.6925	0.70791	0.7287	0.010497	0.6905	0.70548	0.7256	0.010357	-0.0059	-0.00243	-0.0003	0.0015798
10	0.695	0.70622	0.729	0.010278	0.6919	0.70414	0.7248	0.010101	-0.0052	-0.00208	0.0014	0.0019815
30	0.696	0.70393	0.7129	0.0065282	0.6933	0.69998	0.7158	0.0068257	-0.0131	-0.00395	0.0031	0.005328
50	0.6898	0.70348	0.7122	0.007651	0.6845	0.69787	0.7076	0.0077992	-0.0177	-0.00561	0.0021	0.0059599
100	0.6837	0.70057	0.7174	0.0095909	0.6724	0.68965	0.7165	0.012103	-0.0234	-0.01092	-0.0009	0.0062748

Device Test: 5.14; PROPD_RESET





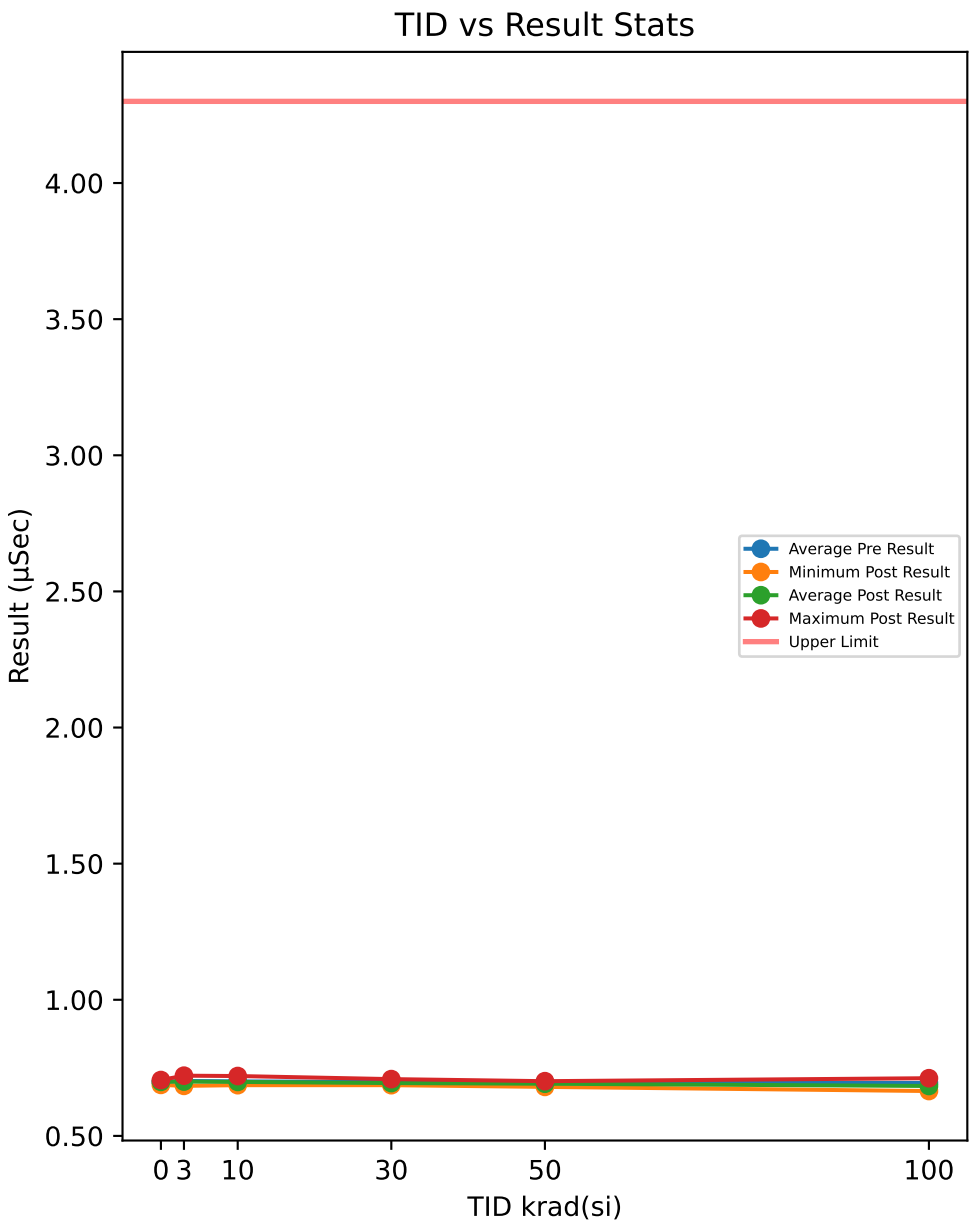
Test Results (Upper Limit = 4.3 (µSec))

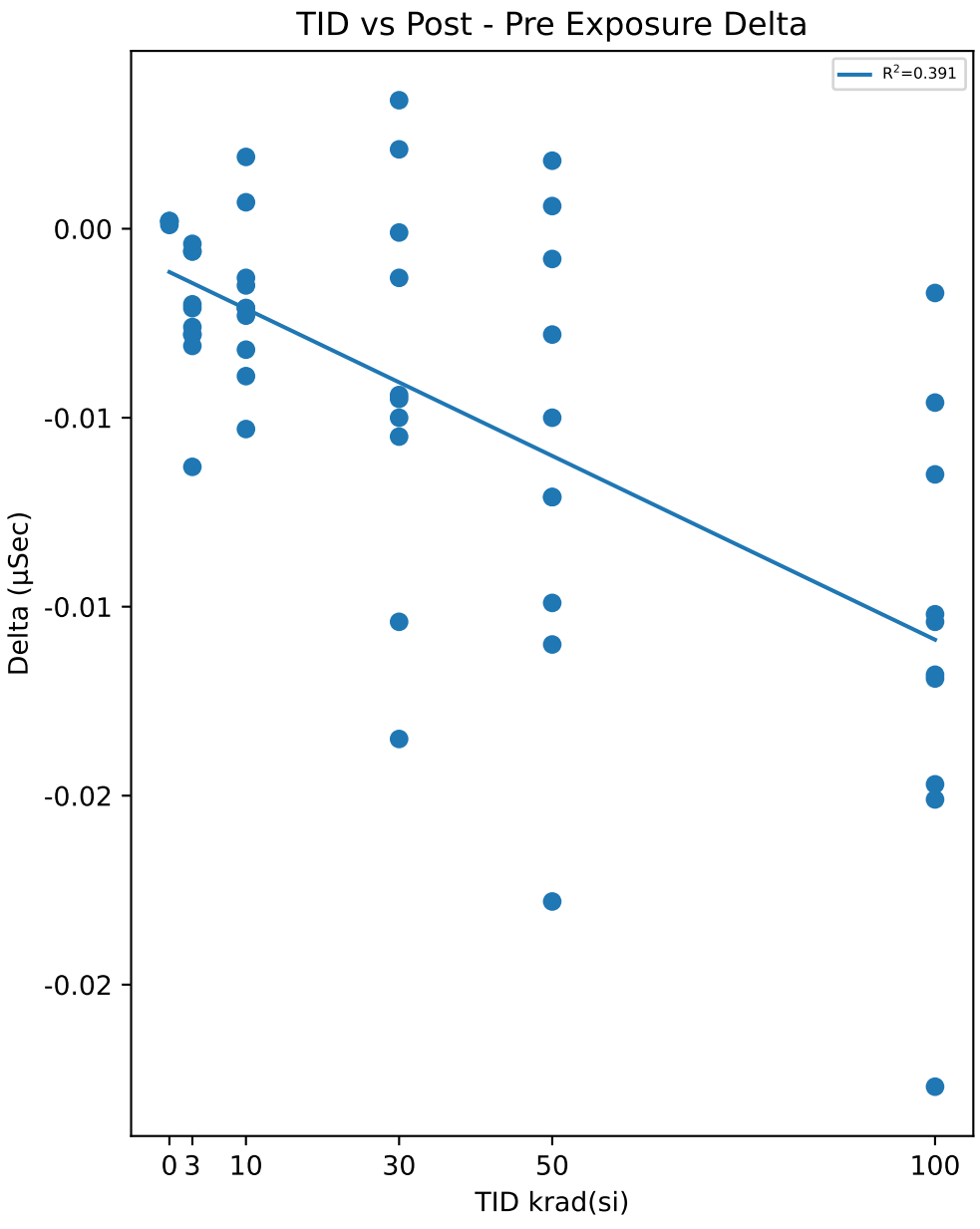
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7152	0.7134	-0.0018
3	3	Biased	0.6882	0.6863	-0.0019
4	3	Biased	0.717	0.7131	-0.0039
5	3	Biased	0.6922	0.6886	-0.0036
6	3	Biased	0.6885	0.6886	0.0001
7	3	Unbiased	0.703	0.7014	-0.0016
8	3	Unbiased	0.687	0.6863	-0.0007
9	3	Unbiased	0.682	0.6822	0.0002
10	3	Unbiased	0.7099	0.7133	0.0034
11	3	Unbiased	0.673	0.6719	-0.0011
12	10	Unbiased	0.6969	0.7024	0.0055
13	10	Unbiased	0.6888	0.6871	-0.0017
14	10	Unbiased	0.7055	0.702	-0.0035
15	10	Unbiased	0.7062	0.7055	-0.0007
16	10	Unbiased	0.6909	0.6916	0.0007
17	10	Biased	0.6918	0.6923	0.0005
18	10	Biased	0.6766	0.6773	0.0007
19	10	Biased	0.7089	0.7076	-0.0013
20	10	Biased	0.6898	0.6952	0.0054
21	10	Biased	0.6791	0.6756	-0.0035
22	30	Biased	0.6849	0.6787	-0.0062
23	30	Biased	0.6969	0.697	0.0001
24	30	Biased	0.6887	0.6865	-0.0022
25	30	Biased	0.701	0.6996	-0.0014
26	30	Biased	0.6715	0.6786	0.0071
27	30	Unbiased	0.7013	0.7037	0.0024
28	30	Unbiased	0.7021	0.6977	-0.0044
29	30	Unbiased	0.6913	0.6874	-0.0039
30	30	Unbiased	0.7093	0.6964	-0.0129
31	30	Unbiased	0.6963	0.6993	0.003
32	50	Biased	0.6993	0.6868	-0.0125
33	50	Biased	0.687	0.6903	0.0033
34	50	Biased	0.6932	0.6934	0.0002
35	50	Biased	0.6913	0.6871	-0.0042
36	50	Biased	0.695	0.6853	-0.0097
37	50	Unbiased	0.6985	0.6937	-0.0048
39	50	Unbiased	0.6977	0.7014	0.0037
40	50	Unbiased	0.6933	0.692	-0.0013
41	50	Unbiased	0.6981	0.6901	-0.008
42	50	Unbiased	0.6998	0.6891	-0.0107
43	100	Biased	0.6903	0.6821	-0.0082
44	100	Biased	0.6918	0.6775	-0.0143
45	100	Biased	0.6784	0.6636	-0.0148
46	100	Biased	0.7144	0.7097	-0.0047
47	100	Biased	0.6962	0.6911	-0.0051
48	100	Unbiased	0.693	0.6798	-0.0132
49	100	Unbiased	0.6886	0.6757	-0.0129
50	100	Unbiased	0.7098	0.6888	-0.021
51	100	Unbiased	0.6852	0.6726	-0.0126
52	100	Unbiased	0.6909	0.6865	-0.0044
53	0	Correlation	0.6963	0.6975	0.0012
54	0	Correlation	0.6916	0.6931	0.0015
55	0	Correlation	0.6904	0.6914	0.001
56	0	Correlation	0.6895	0.691	0.0015

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6895	0.69195	0.6963	0.0030249	0.691	0.69325	0.6975	0.002976	0.001	0.0013	0.0015	0.00024495
3	0.673	0.6956	0.717	0.014862	0.6719	0.69451	0.7134	0.014796	-0.0039	-0.00109	0.0034	0.0020819
10	0.6766	0.69345	0.7089	0.011017	0.6756	0.69366	0.7076	0.011184	-0.0035	0.00021	0.0055	0.0031582
30	0.6715	0.69433	0.7093	0.010745	0.6786	0.69249	0.7037	0.0090077	-0.0129	-0.00184	0.0071	0.0055532
50	0.687	0.69532	0.6998	0.0041295	0.6853	0.69092	0.7014	0.0046236	-0.0125	-0.0044	0.0037	0.0057948
100	0.6784	0.69386	0.7144	0.010799	0.6636	0.68274	0.7097	0.012485	-0.021	-0.01112	-0.0044	0.0053965

Device Test: 5.15; PROPD_RESET





Test Results (Upper Limit = 4.3 (µSec))

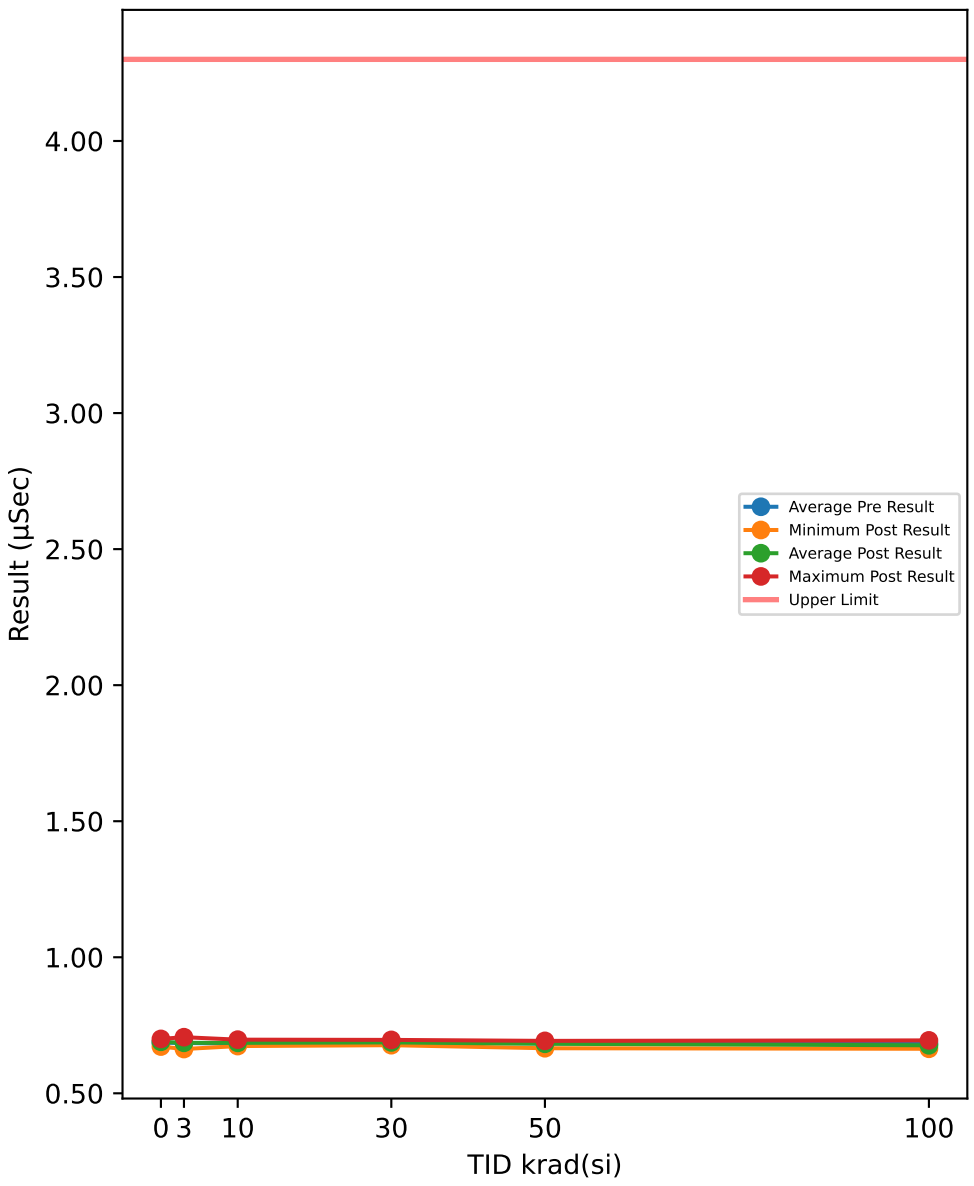
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7053	0.7022	-0.0031
3	3	Biased	0.7016	0.6988	-0.0028
4	3	Biased	0.7238	0.7212	-0.0026
5	3	Biased	0.6985	0.6922	-0.0063
6	3	Biased	0.6888	0.6884	-0.0004
7	3	Unbiased	0.7013	0.6992	-0.0021
8	3	Unbiased	0.6978	0.695	-0.0028
9	3	Unbiased	0.7041	0.7035	-0.0006
10	3	Unbiased	0.7118	0.7112	-0.0006
11	3	Unbiased	0.6858	0.6838	-0.002
12	10	Unbiased	0.6892	0.6911	0.0019
13	10	Unbiased	0.6988	0.6973	-0.0015
14	10	Unbiased	0.6944	0.6891	-0.0053
15	10	Unbiased	0.7086	0.7065	-0.0021
16	10	Unbiased	0.6973	0.695	-0.0023
17	10	Biased	0.7044	0.7031	-0.0013
18	10	Biased	0.6943	0.6922	-0.0021
19	10	Biased	0.7238	0.7199	-0.0039
20	10	Biased	0.7019	0.7026	0.0007
21	10	Biased	0.6895	0.6863	-0.0032
22	30	Biased	0.6918	0.6863	-0.0055
23	30	Biased	0.7065	0.7086	0.0021
24	30	Biased	0.695	0.6937	-0.0013
25	30	Biased	0.6951	0.6907	-0.0044
26	30	Biased	0.6903	0.6902	-0.0001
27	30	Unbiased	0.7067	0.7022	-0.0045
28	30	Unbiased	0.705	0.6946	-0.0104
29	30	Unbiased	0.6958	0.6908	-0.005
30	30	Unbiased	0.7033	0.6898	-0.0135
31	30	Unbiased	0.6904	0.6938	0.0034
32	50	Biased	0.7069	0.6891	-0.0178
33	50	Biased	0.6961	0.6979	0.0018
34	50	Biased	0.706	0.701	-0.005
35	50	Biased	0.6815	0.6807	-0.0008
36	50	Biased	0.6979	0.6869	-0.011
37	50	Unbiased	0.6871	0.68	-0.0071
39	50	Unbiased	0.6988	0.6994	0.0006
40	50	Unbiased	0.7026	0.6998	-0.0028
41	50	Unbiased	0.6984	0.6913	-0.0071
42	50	Unbiased	0.7002	0.6903	-0.0099
43	100	Biased	0.6917	0.6813	-0.0104
44	100	Biased	0.6877	0.6758	-0.0119
45	100	Biased	0.6766	0.6648	-0.0118
46	100	Biased	0.7136	0.7119	-0.0017
47	100	Biased	0.6916	0.6851	-0.0065
48	100	Unbiased	0.6879	0.6728	-0.0151
49	100	Unbiased	0.6932	0.6785	-0.0147
50	100	Unbiased	0.705	0.6823	-0.0227
51	100	Unbiased	0.7034	0.6932	-0.0102
52	100	Unbiased	0.6925	0.6879	-0.0046
53	0	Correlation	0.6872	0.6874	0.0002
54	0	Correlation	0.705	0.7052	0.0002
55	0	Correlation	0.6986	0.6987	0.0001
56	0	Correlation	0.7023	0.7025	0.0002

Test Statistics (µSec)

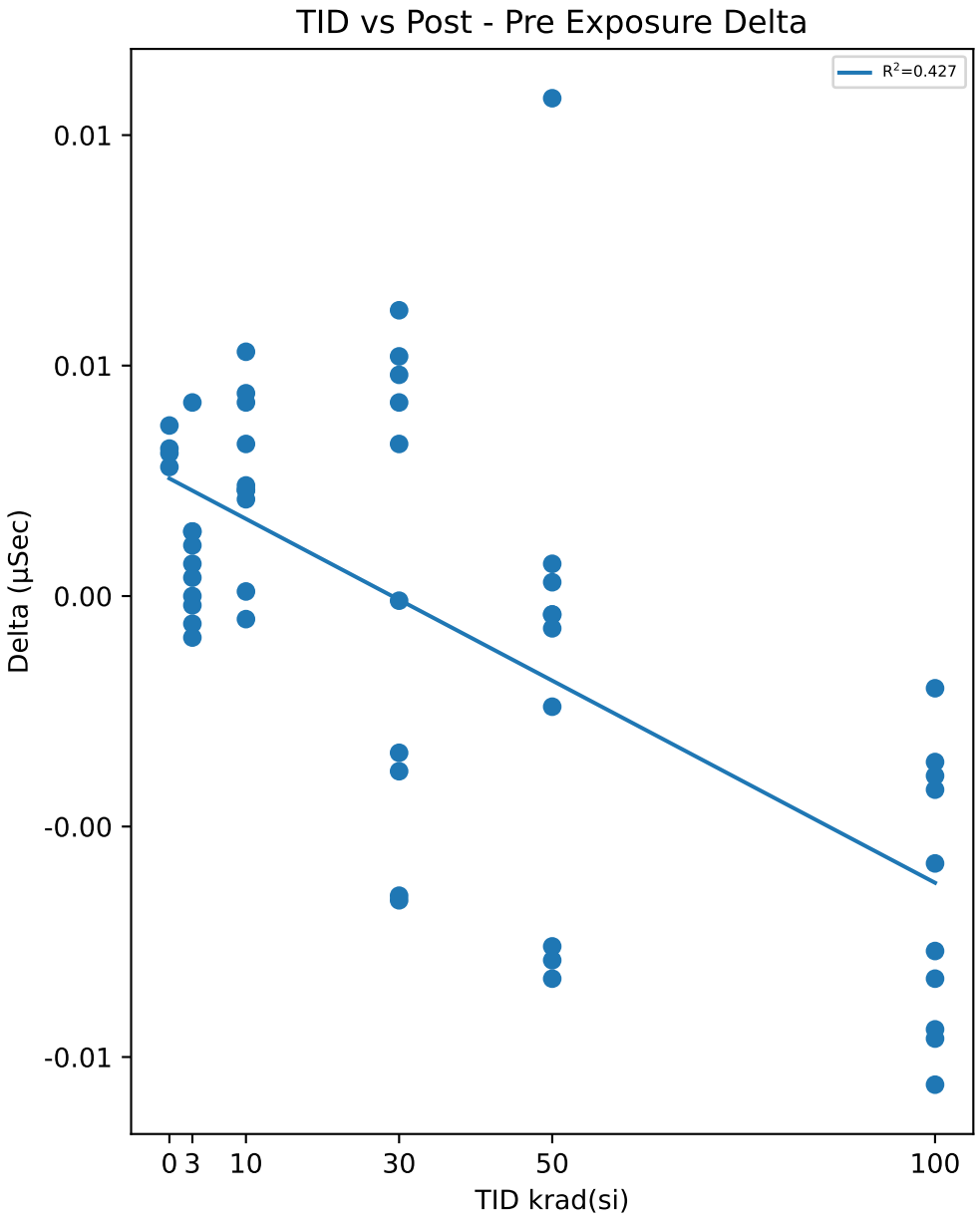
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6872	0.69827	0.705	0.0078355	0.6874	0.69845	0.7052	0.0078343	0.0001	0.000175	0.0002	5e-05
3	0.6858	0.70188	0.7238	0.01082	0.6838	0.69955	0.7212	0.010928	-0.0063	-0.00233	-0.0004	0.0017237
10	0.6892	0.70022	0.7238	0.010341	0.6863	0.69831	0.7199	0.010027	-0.0053	-0.00191	0.0019	0.0020872
30	0.6903	0.69799	0.7067	0.0066897	0.6863	0.69407	0.7086	0.0066109	-0.0135	-0.00392	0.0034	0.0052628
50	0.6815	0.69755	0.7069	0.0079069	0.68	0.69164	0.701	0.0077431	-0.0178	-0.00591	0.0018	0.0060043
100	0.6766	0.69432	0.7136	0.010467	0.6648	0.68336	0.7119	0.012811	-0.0227	-0.01096	-0.0017	0.0059397

Device Test: 5.16; PROPD_RESET

TID vs Result Stats



TID vs Post - Pre Exposure Delta



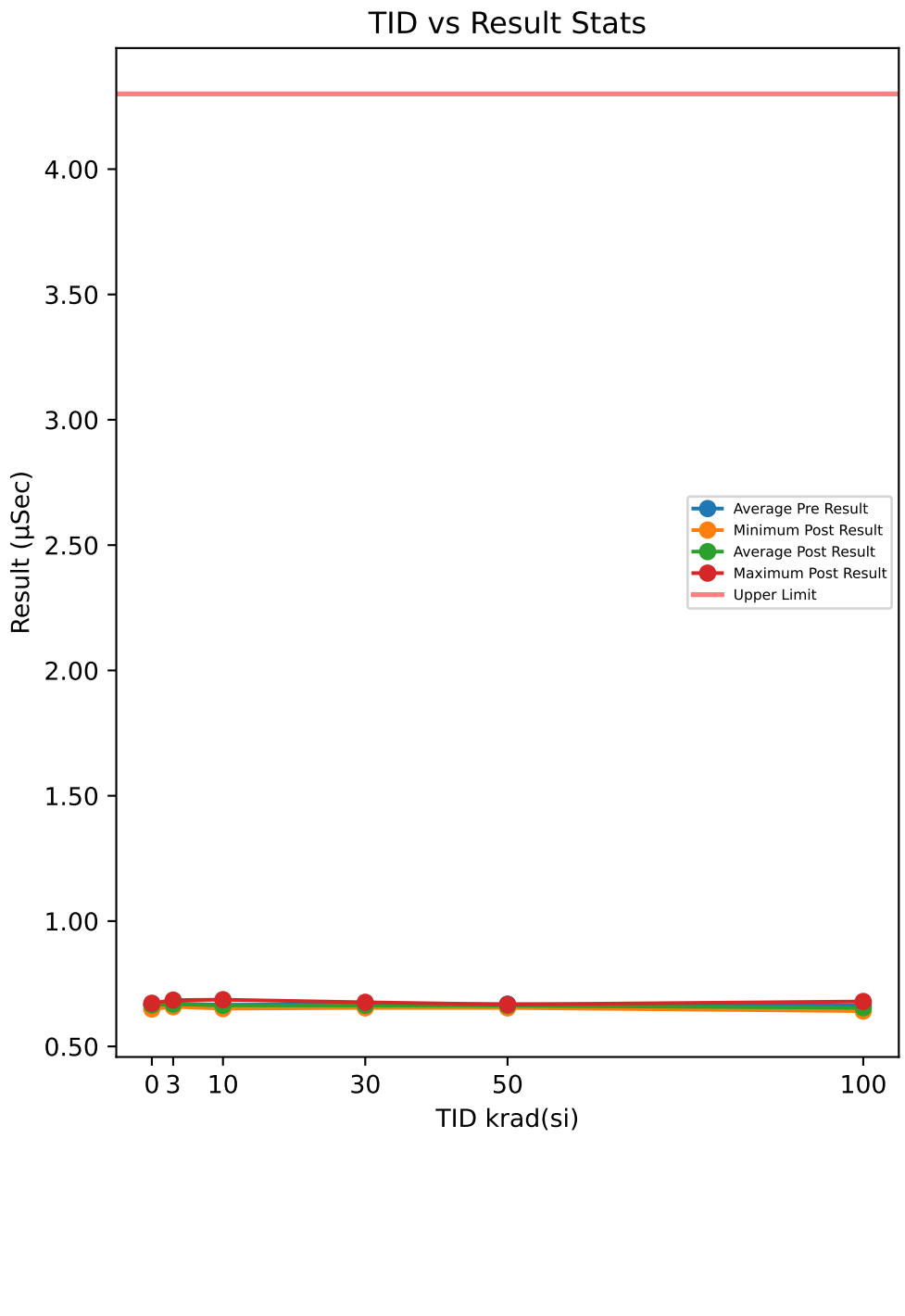
Test Results (Upper Limit = 4.3 (µSec))

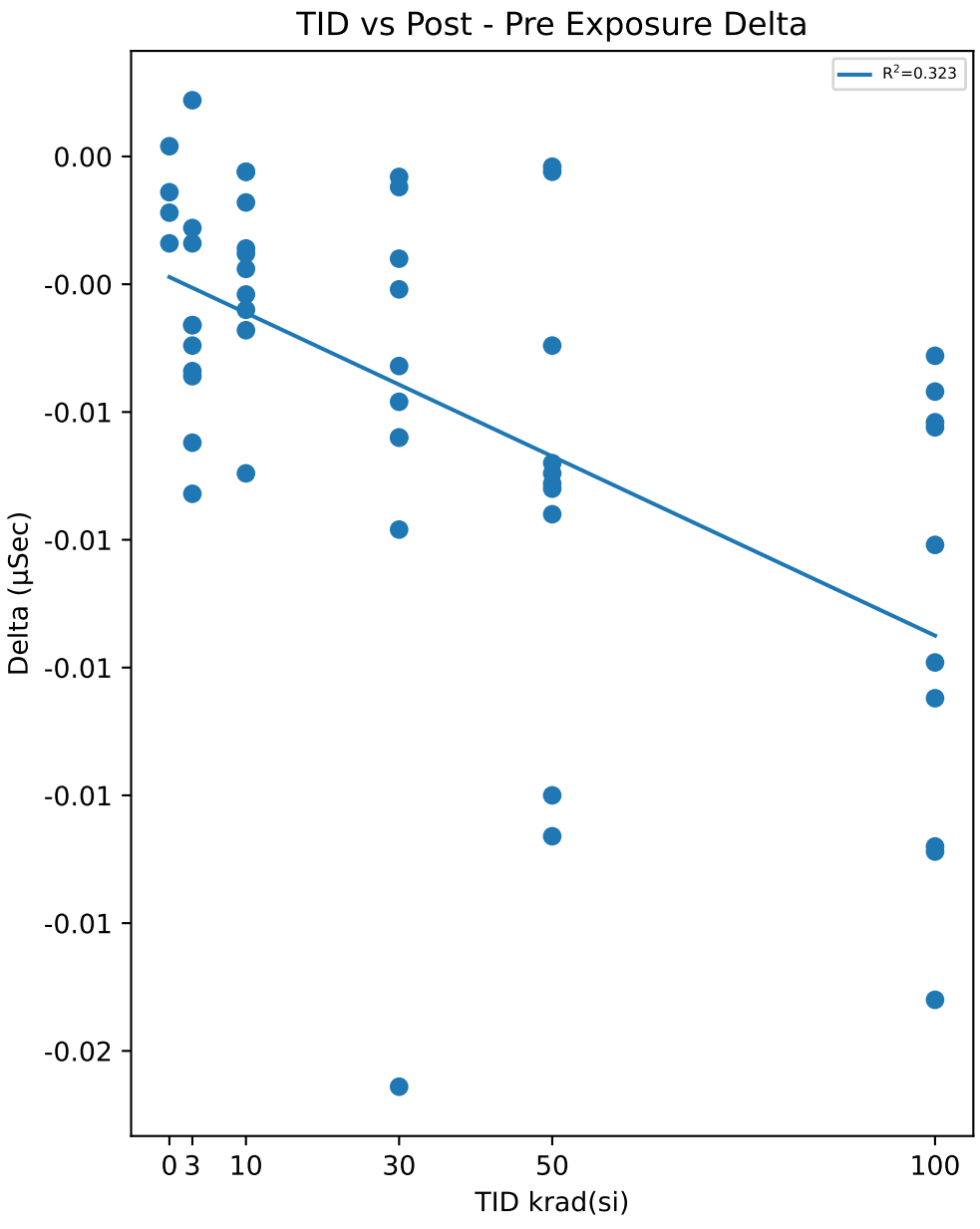
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.6902	0.6893	-0.0009
3	3	Biased	0.6717	0.6721	0.0004
4	3	Biased	0.6997	0.7008	0.0011
5	3	Biased	0.6823	0.6823	0
6	3	Biased	0.6757	0.6771	0.0014
7	3	Unbiased	0.7018	0.7012	-0.0006
8	3	Unbiased	0.6824	0.6831	0.0007
9	3	Unbiased	0.6807	0.6805	-0.0002
10	3	Unbiased	0.702	0.7062	0.0042
11	3	Unbiased	0.6613	0.6627	0.0014
12	10	Unbiased	0.6854	0.6907	0.0053
13	10	Unbiased	0.6864	0.6908	0.0044
14	10	Unbiased	0.6928	0.6923	-0.0005
15	10	Unbiased	0.6892	0.6915	0.0023
16	10	Unbiased	0.6774	0.6775	0.0001
17	10	Biased	0.6741	0.6765	0.0024
18	10	Biased	0.6703	0.6736	0.0033
19	10	Biased	0.6949	0.6972	0.0023
20	10	Biased	0.6743	0.6764	0.0021
21	10	Biased	0.6832	0.6874	0.0042
22	30	Biased	0.6833	0.6768	-0.0065
23	30	Biased	0.6874	0.6922	0.0048
24	30	Biased	0.684	0.6902	0.0062
25	30	Biased	0.6809	0.6808	-0.0001
26	30	Biased	0.6799	0.6832	0.0033
27	30	Unbiased	0.6911	0.6963	0.0052
28	30	Unbiased	0.6887	0.6853	-0.0034
29	30	Unbiased	0.693	0.6892	-0.0038
30	30	Unbiased	0.6947	0.6881	-0.0066
31	30	Unbiased	0.6842	0.6884	0.0042
32	50	Biased	0.6871	0.6795	-0.0076
33	50	Biased	0.6819	0.6927	0.0108
34	50	Biased	0.6892	0.6888	-0.0004
35	50	Biased	0.6741	0.6717	-0.0024
36	50	Biased	0.6794	0.6787	-0.0007
37	50	Unbiased	0.6801	0.6804	0.0003
39	50	Unbiased	0.6879	0.6875	-0.0004
40	50	Unbiased	0.6877	0.6884	0.0007
41	50	Unbiased	0.6949	0.6866	-0.0083
42	50	Unbiased	0.6735	0.6656	-0.0079
43	100	Biased	0.6851	0.6768	-0.0083
44	100	Biased	0.6742	0.6636	-0.0106
45	100	Biased	0.6772	0.6678	-0.0094
46	100	Biased	0.6969	0.6933	-0.0036
47	100	Biased	0.6846	0.6826	-0.002
48	100	Unbiased	0.6808	0.6712	-0.0096
49	100	Unbiased	0.6747	0.6708	-0.0039
50	100	Unbiased	0.6867	0.679	-0.0077
51	100	Unbiased	0.67	0.6642	-0.0058
52	100	Unbiased	0.6987	0.6945	-0.0042
53	0	Correlation	0.6864	0.6896	0.0032
54	0	Correlation	0.6968	0.6999	0.0031
55	0	Correlation	0.6931	0.6959	0.0028
56	0	Correlation	0.6681	0.6718	0.0037

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6681	0.6861	0.6968	0.012749	0.6718	0.6893	0.6999	0.012413	0.0028	0.0032	0.0037	0.00037417
3	0.6613	0.68478	0.702	0.013628	0.6627	0.68553	0.7062	0.013882	-0.0009	0.00075	0.0042	0.0014532
10	0.6703	0.6828	0.6949	0.0084367	0.6736	0.68539	0.6972	0.0084798	-0.0005	0.00259	0.0053	0.001823
30	0.6799	0.68672	0.6947	0.0050828	0.6768	0.68705	0.6963	0.0056918	-0.0066	0.00033	0.0062	0.0050308
50	0.6735	0.68358	0.6949	0.0069253	0.6656	0.68199	0.6927	0.0084843	-0.0083	-0.00159	0.0108	0.0056526
100	0.67	0.68289	0.6987	0.0095105	0.6636	0.67638	0.6945	0.011074	-0.0106	-0.00651	-0.002	0.0029946

Device Test: 5.17; PROPD_RESET





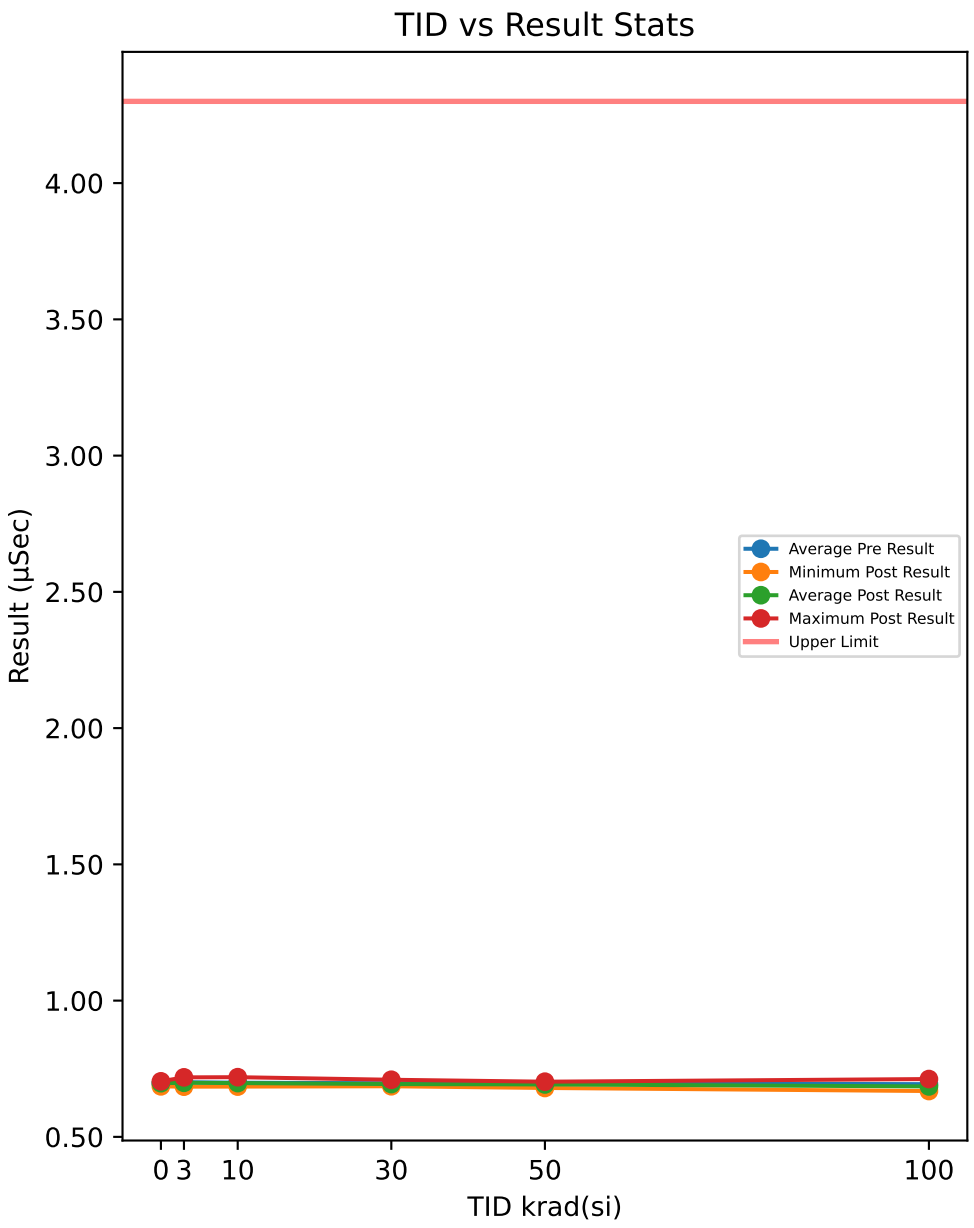
Test Results (Upper Limit = 4.3 (µSec))

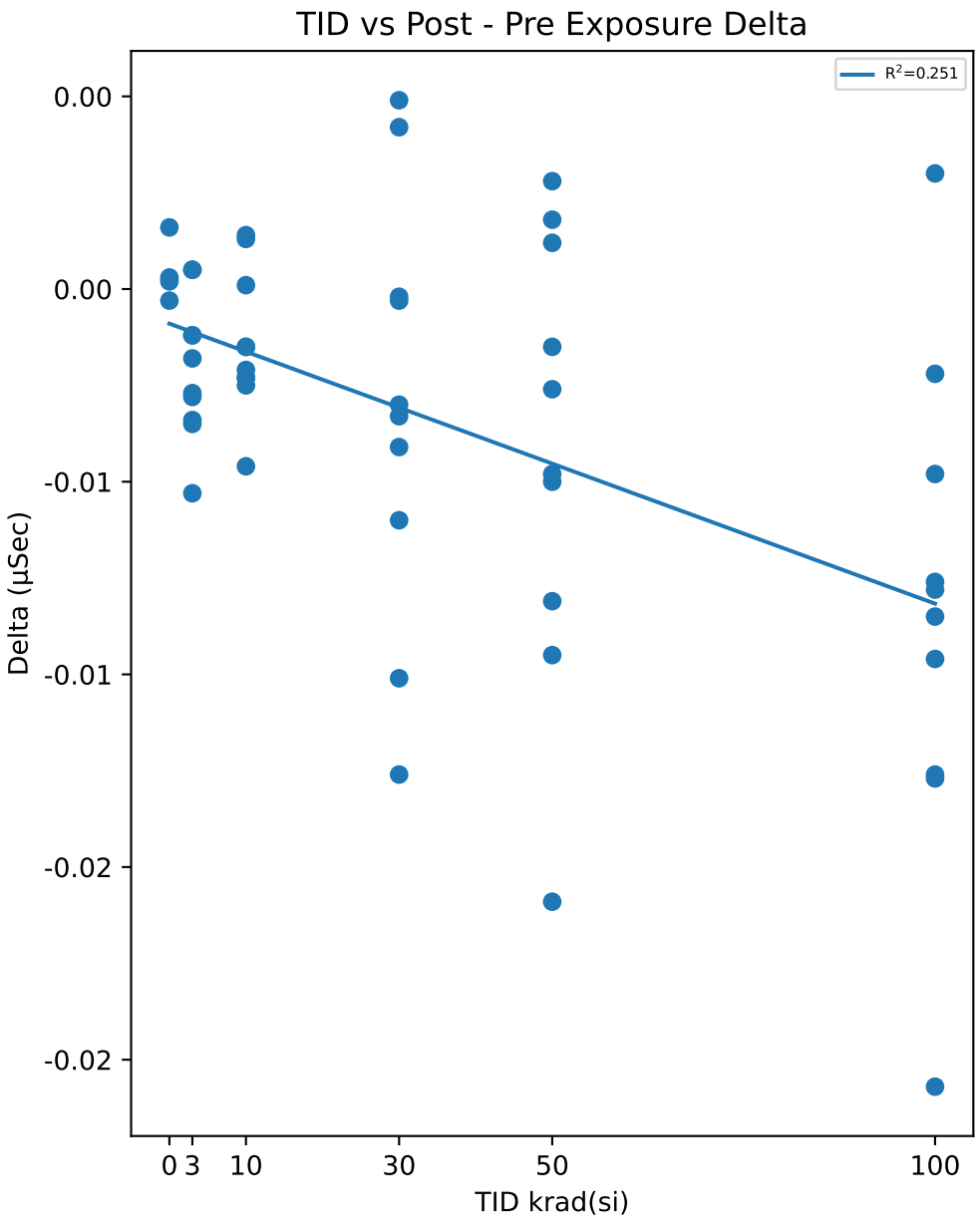
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.6768	0.6712	-0.0056
3	3	Biased	0.6725	0.6708	-0.0017
4	3	Biased	0.6872	0.6835	-0.0037
5	3	Biased	0.6648	0.6582	-0.0066
6	3	Biased	0.6617	0.6628	0.0011
7	3	Unbiased	0.6705	0.6672	-0.0033
8	3	Unbiased	0.6638	0.6595	-0.0043
9	3	Unbiased	0.6653	0.662	-0.0033
10	3	Unbiased	0.6861	0.6847	-0.0014
11	3	Unbiased	0.6673	0.6631	-0.0042
12	10	Unbiased	0.6695	0.6692	-0.0003
13	10	Unbiased	0.653	0.6508	-0.0022
14	10	Unbiased	0.6662	0.6643	-0.0019
15	10	Unbiased	0.6721	0.6659	-0.0062
16	10	Unbiased	0.6655	0.6621	-0.0034
17	10	Biased	0.6534	0.6516	-0.0018
18	10	Biased	0.6518	0.6509	-0.0009
19	10	Biased	0.6891	0.6864	-0.0027
20	10	Biased	0.6555	0.6552	-0.0003
21	10	Biased	0.6833	0.6803	-0.003
22	30	Biased	0.6625	0.6552	-0.0073
23	30	Biased	0.668	0.6676	-0.0004
24	30	Biased	0.6593	0.6538	-0.0055
25	30	Biased	0.6705	0.6664	-0.0041
26	30	Biased	0.671	0.6704	-0.0006
27	30	Unbiased	0.6808	0.676	-0.0048
28	30	Unbiased	0.6636	0.6581	-0.0055
29	30	Unbiased	0.6698	0.6672	-0.0026
30	30	Unbiased	0.6803	0.6621	-0.0182
31	30	Unbiased	0.6614	0.6594	-0.002
32	50	Biased	0.678	0.6655	-0.0125
33	50	Biased	0.6661	0.6659	-0.0002
34	50	Biased	0.672	0.665	-0.007
35	50	Biased	0.6574	0.6537	-0.0037
36	50	Biased	0.6701	0.6639	-0.0062
37	50	Unbiased	0.6733	0.6673	-0.006
39	50	Unbiased	0.6653	0.665	-0.0003
40	50	Unbiased	0.6719	0.6654	-0.0065
41	50	Unbiased	0.6695	0.6562	-0.0133
42	50	Unbiased	0.6634	0.657	-0.0064
43	100	Biased	0.6623	0.6584	-0.0039
44	100	Biased	0.6569	0.647	-0.0099
45	100	Biased	0.65	0.6448	-0.0052
46	100	Biased	0.6838	0.6792	-0.0046
47	100	Biased	0.6583	0.653	-0.0053
48	100	Unbiased	0.6514	0.6408	-0.0106
49	100	Unbiased	0.6618	0.6482	-0.0136
50	100	Unbiased	0.6752	0.6617	-0.0135
51	100	Unbiased	0.665	0.6485	-0.0165
52	100	Unbiased	0.6672	0.6596	-0.0076
53	0	Correlation	0.6706	0.6699	-0.0007
54	0	Correlation	0.674	0.6723	-0.0017
55	0	Correlation	0.6706	0.6708	0.0002
56	0	Correlation	0.6501	0.649	-0.0011

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6501	0.66633	0.674	0.010935	0.649	0.6655	0.6723	0.011044	-0.0017	-0.000825	0.0002	0.00079739
3	0.6617	0.6716	0.6872	0.009104	0.6582	0.6683	0.6847	0.0093826	-0.0066	-0.0033	0.0011	0.002203
10	0.6518	0.66594	0.6891	0.013005	0.6508	0.66367	0.6864	0.012373	-0.0062	-0.00227	-0.0003	0.0017461
30	0.6593	0.66872	0.6808	0.0074334	0.6538	0.66362	0.676	0.0070988	-0.0182	-0.0051	-0.0004	0.0051214
50	0.6574	0.6687	0.678	0.005826	0.6537	0.66249	0.6673	0.0048745	-0.0133	-0.00621	-0.0002	0.0043201
100	0.65	0.66319	0.6838	0.010368	0.6408	0.65412	0.6792	0.011144	-0.0165	-0.00907	-0.0039	0.0044277

Device Test: 5.18; PROPD_PWRGD





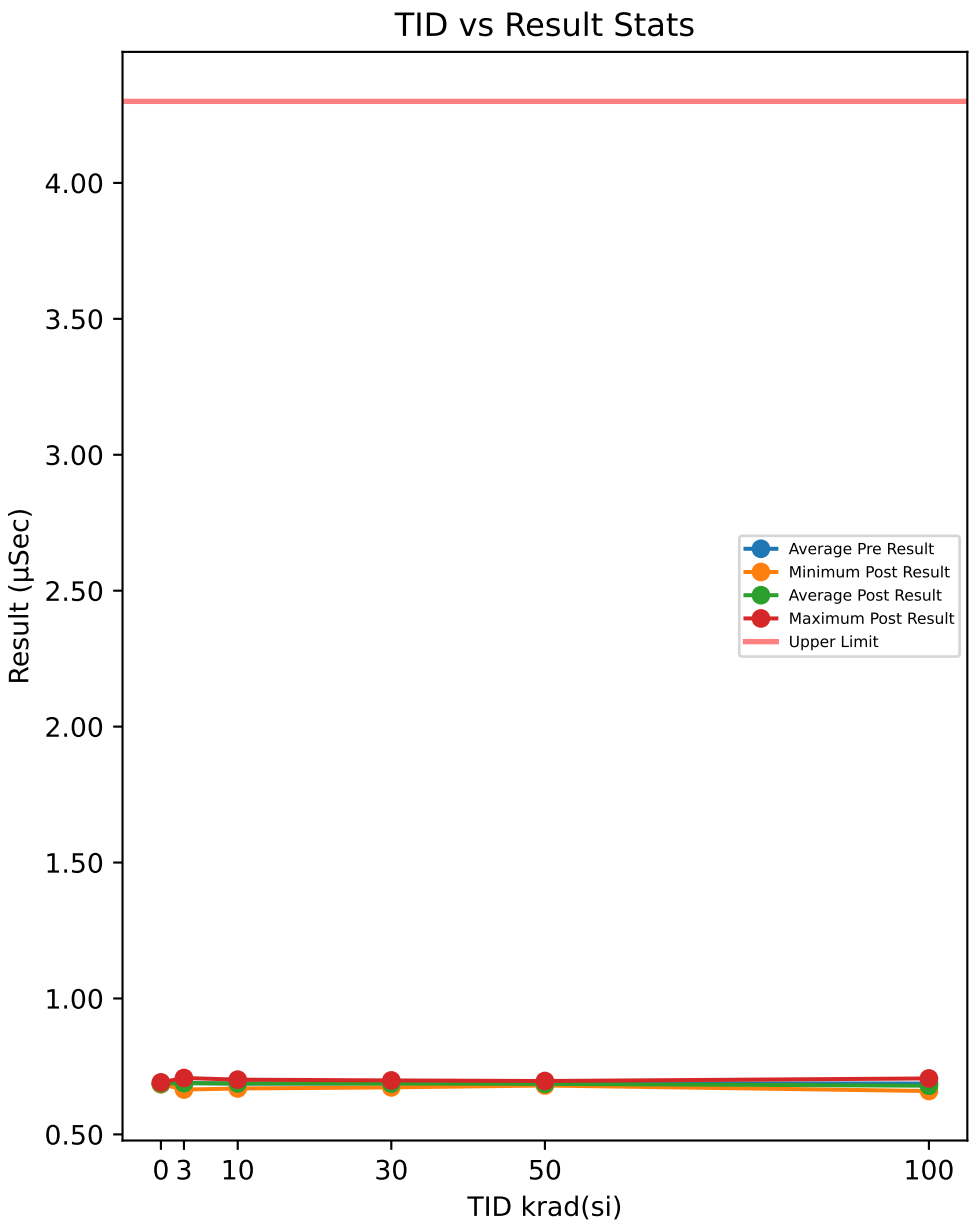
Test Results (Upper Limit = 4.3 (µSec))

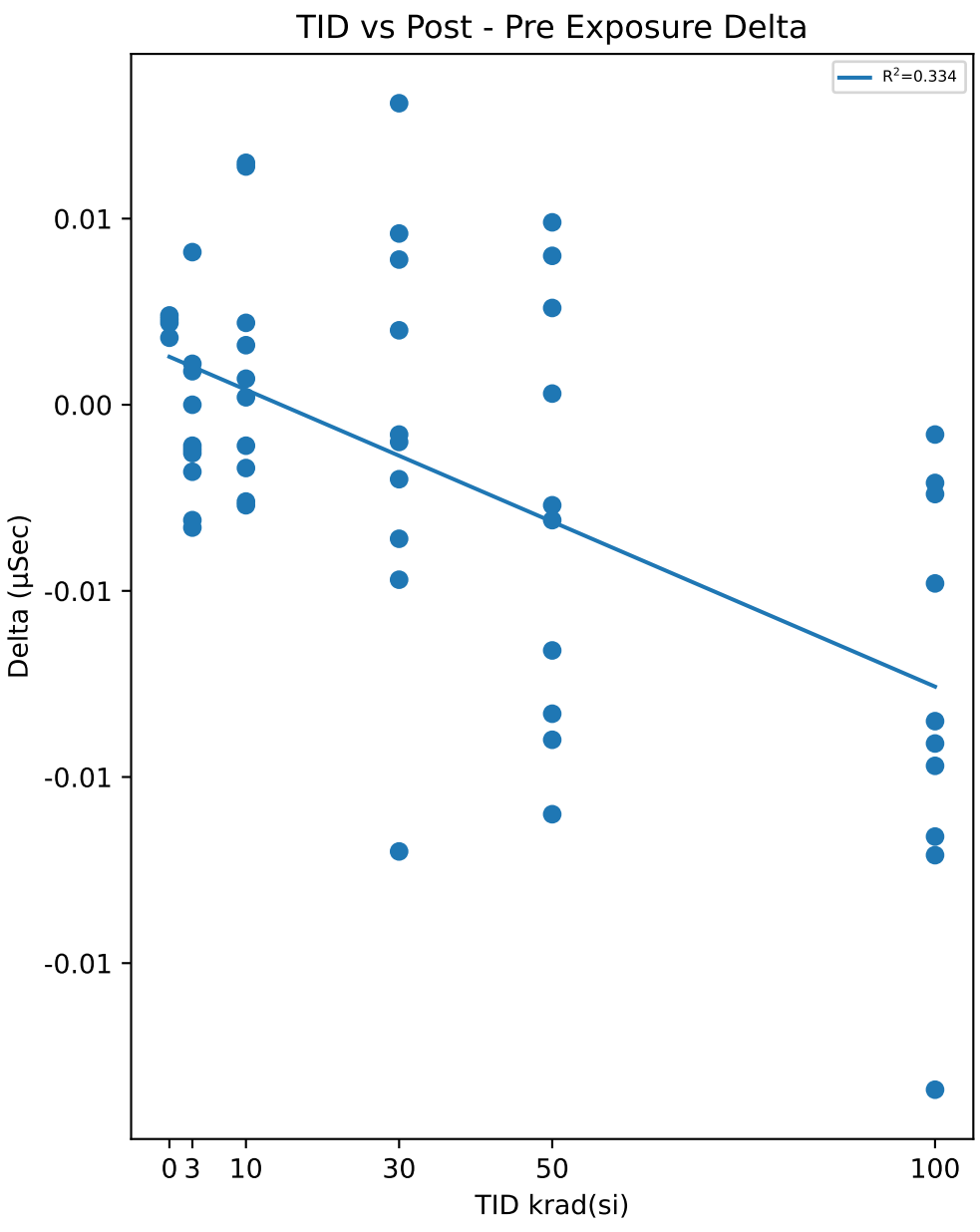
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7033	0.6999	-0.0034
3	3	Biased	0.7004	0.6976	-0.0028
4	3	Biased	0.7211	0.7184	-0.0027
5	3	Biased	0.6973	0.692	-0.0053
6	3	Biased	0.6875	0.688	0.0005
7	3	Unbiased	0.7001	0.6983	-0.0018
8	3	Unbiased	0.6983	0.6948	-0.0035
9	3	Unbiased	0.7032	0.7037	0.0005
10	3	Unbiased	0.7089	0.7077	-0.0012
11	3	Unbiased	0.6854	0.6842	-0.0012
12	10	Unbiased	0.6883	0.6896	0.0013
13	10	Unbiased	0.6965	0.6966	0.0001
14	10	Unbiased	0.692	0.6874	-0.0046
15	10	Unbiased	0.7088	0.7073	-0.0015
16	10	Unbiased	0.6962	0.6941	-0.0021
17	10	Biased	0.7038	0.7023	-0.0015
18	10	Biased	0.6935	0.6912	-0.0023
19	10	Biased	0.7215	0.719	-0.0025
20	10	Biased	0.7006	0.702	0.0014
21	10	Biased	0.6868	0.6845	-0.0023
22	30	Biased	0.6917	0.6857	-0.006
23	30	Biased	0.7054	0.7096	0.0042
24	30	Biased	0.694	0.6937	-0.0003
25	30	Biased	0.6934	0.6901	-0.0033
26	30	Biased	0.6887	0.6885	-0.0002
27	30	Unbiased	0.7047	0.7017	-0.003
28	30	Unbiased	0.7035	0.6934	-0.0101
29	30	Unbiased	0.6948	0.6907	-0.0041
30	30	Unbiased	0.7023	0.6897	-0.0126
31	30	Unbiased	0.6898	0.6947	0.0049
32	50	Biased	0.7044	0.6885	-0.0159
33	50	Biased	0.697	0.6988	0.0018
34	50	Biased	0.7051	0.7025	-0.0026
35	50	Biased	0.6825	0.6837	0.0012
36	50	Biased	0.6965	0.687	-0.0095
37	50	Unbiased	0.6842	0.6794	-0.0048
39	50	Unbiased	0.6969	0.6997	0.0028
40	50	Unbiased	0.7011	0.6996	-0.0015
41	50	Unbiased	0.6963	0.6913	-0.005
42	50	Unbiased	0.7013	0.6932	-0.0081
43	100	Biased	0.6918	0.6842	-0.0076
44	100	Biased	0.6873	0.6777	-0.0096
45	100	Biased	0.6767	0.6682	-0.0085
46	100	Biased	0.7092	0.7122	0.003
47	100	Biased	0.6925	0.6877	-0.0048
48	100	Unbiased	0.6873	0.6746	-0.0127
49	100	Unbiased	0.6928	0.6802	-0.0126
50	100	Unbiased	0.7036	0.6829	-0.0207
51	100	Unbiased	0.7022	0.6944	-0.0078
52	100	Unbiased	0.6913	0.6891	-0.0022
53	0	Correlation	0.6851	0.6854	0.0003
54	0	Correlation	0.7022	0.7038	0.0016
55	0	Correlation	0.6977	0.6974	-0.0003
56	0	Correlation	0.7011	0.7013	0.0002

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6851	0.69653	0.7022	0.0078538	0.6854	0.69698	0.7038	0.0081537	-0.0003	0.00045	0.0016	0.00081035
3	0.6854	0.70055	0.7211	0.010123	0.6842	0.69846	0.7184	0.0098948	-0.0053	-0.00209	0.0005	0.0018248
10	0.6868	0.6988	0.7215	0.010457	0.6845	0.6974	0.719	0.010472	-0.0046	-0.0014	0.0014	0.0018547
30	0.6887	0.69683	0.7054	0.0064595	0.6857	0.69378	0.7096	0.0070462	-0.0126	-0.00305	0.0049	0.0055999
50	0.6825	0.69653	0.7051	0.0076616	0.6794	0.69237	0.7025	0.0077388	-0.0159	-0.00416	0.0028	0.0058232
100	0.6767	0.69347	0.7092	0.0093839	0.6682	0.68512	0.7122	0.012129	-0.0207	-0.00835	0.003	0.0064222

Device Test: 5.19; PROPD_RESET





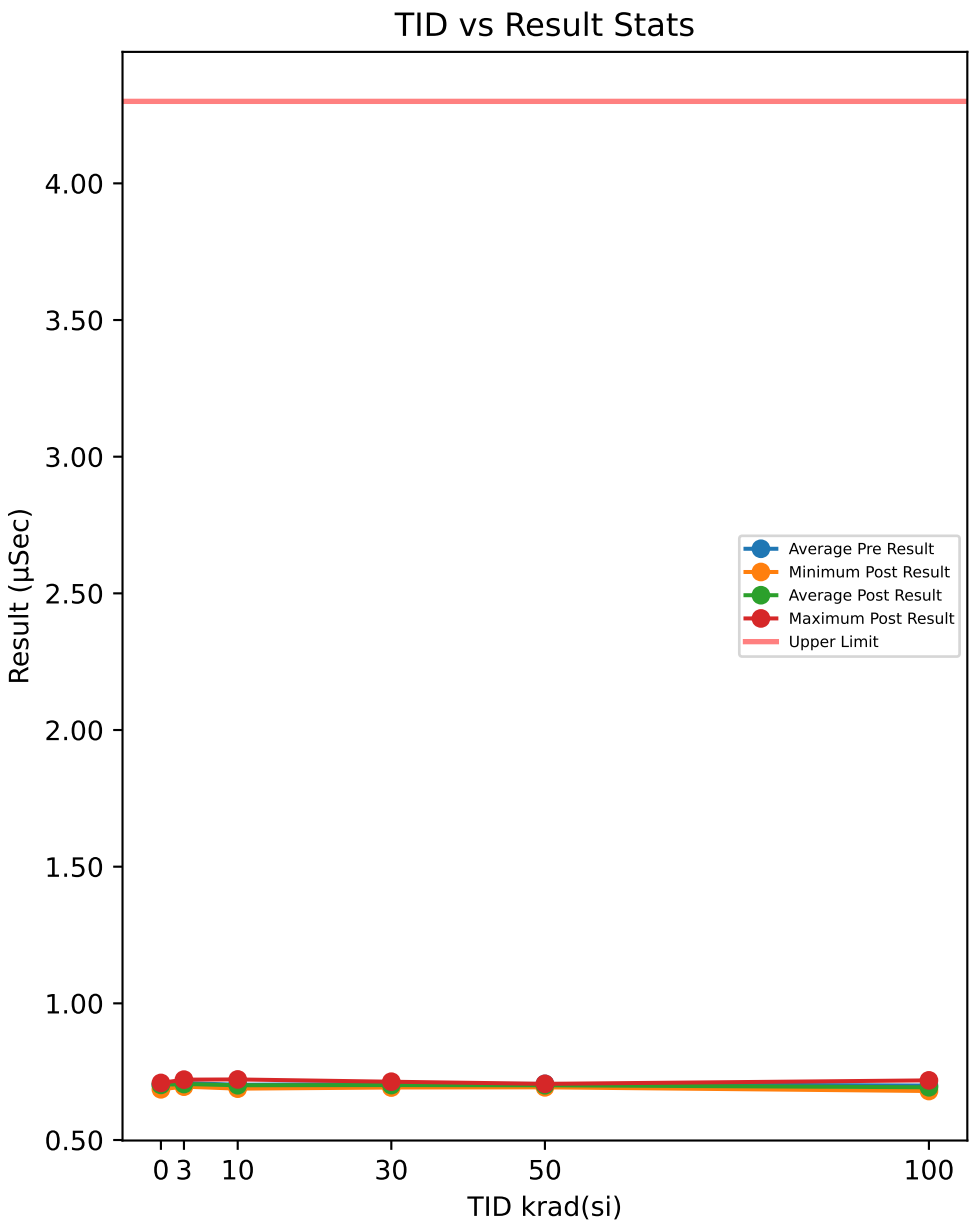
Test Results (Upper Limit = 4.3 (µSec))

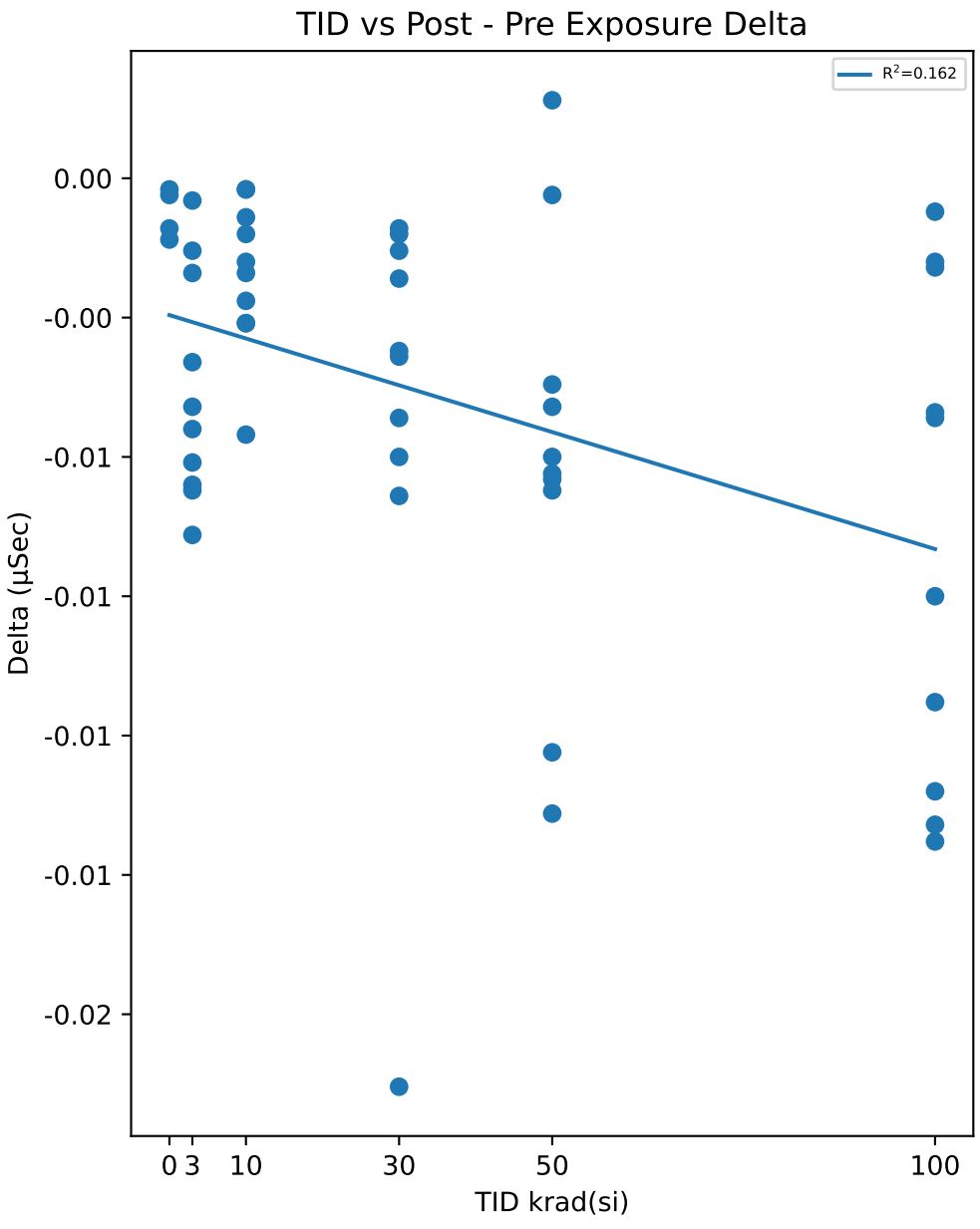
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7093	0.7075	-0.0018
3	3	Biased	0.6812	0.6799	-0.0013
4	3	Biased	0.71	0.7069	-0.0031
5	3	Biased	0.6859	0.6826	-0.0033
6	3	Biased	0.6825	0.6825	0
7	3	Unbiased	0.6967	0.6955	-0.0012
8	3	Unbiased	0.6796	0.6807	0.0011
9	3	Unbiased	0.6751	0.676	0.0009
10	3	Unbiased	0.7033	0.7074	0.0041
11	3	Unbiased	0.666	0.6649	-0.0011
12	10	Unbiased	0.6904	0.6968	0.0064
13	10	Unbiased	0.6822	0.6811	-0.0011
14	10	Unbiased	0.6992	0.6965	-0.0027
15	10	Unbiased	0.6991	0.6998	0.0007
16	10	Unbiased	0.6835	0.6851	0.0016
17	10	Biased	0.6858	0.686	0.0002
18	10	Biased	0.6696	0.6718	0.0022
19	10	Biased	0.7031	0.7014	-0.0017
20	10	Biased	0.683	0.6895	0.0065
21	10	Biased	0.6715	0.6689	-0.0026
22	30	Biased	0.6776	0.6729	-0.0047
23	30	Biased	0.6898	0.6918	0.002
24	30	Biased	0.6818	0.6808	-0.001
25	30	Biased	0.6954	0.6946	-0.0008
26	30	Biased	0.6651	0.6732	0.0081
27	30	Unbiased	0.6946	0.6985	0.0039
28	30	Unbiased	0.6957	0.6921	-0.0036
29	30	Unbiased	0.6845	0.6825	-0.002
30	30	Unbiased	0.7026	0.6906	-0.012
31	30	Unbiased	0.6893	0.6939	0.0046
32	50	Biased	0.6923	0.6813	-0.011
33	50	Biased	0.6807	0.6847	0.004
34	50	Biased	0.6857	0.6883	0.0026
35	50	Biased	0.6847	0.6816	-0.0031
36	50	Biased	0.6881	0.6798	-0.0083
37	50	Unbiased	0.6921	0.6894	-0.0027
39	50	Unbiased	0.6915	0.6964	0.0049
40	50	Unbiased	0.687	0.6873	0.0003
41	50	Unbiased	0.6915	0.6849	-0.0066
42	50	Unbiased	0.6932	0.6842	-0.009
43	100	Biased	0.6834	0.6786	-0.0048
44	100	Biased	0.6851	0.6735	-0.0116
45	100	Biased	0.6716	0.6595	-0.0121
46	100	Biased	0.7079	0.7058	-0.0021
47	100	Biased	0.6898	0.6874	-0.0024
48	100	Unbiased	0.6858	0.6767	-0.0091
49	100	Unbiased	0.6819	0.6722	-0.0097
50	100	Unbiased	0.7033	0.6849	-0.0184
51	100	Unbiased	0.6773	0.6688	-0.0085
52	100	Unbiased	0.6838	0.683	-0.0008
53	0	Correlation	0.6891	0.6914	0.0023
54	0	Correlation	0.6849	0.6873	0.0024
55	0	Correlation	0.6833	0.6855	0.0022
56	0	Correlation	0.6831	0.6849	0.0018

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6831	0.6851	0.6891	0.0027857	0.6849	0.68727	0.6914	0.002933	0.0018	0.002175	0.0024	0.000263
3	0.666	0.68896	0.71	0.015056	0.6649	0.68839	0.7075	0.014998	-0.0033	-0.00057	0.0041	0.0022025
10	0.6696	0.68674	0.7031	0.011358	0.6689	0.68769	0.7014	0.011338	-0.0027	0.00095	0.0065	0.0033377
30	0.6651	0.68764	0.7026	0.010841	0.6729	0.68709	0.6985	0.0091134	-0.012	-0.00055	0.0081	0.0056534
50	0.6807	0.68868	0.6932	0.004119	0.6798	0.68579	0.6964	0.0048567	-0.011	-0.00289	0.0049	0.0057222
100	0.6716	0.68699	0.7079	0.011035	0.6595	0.67904	0.7058	0.012498	-0.0184	-0.00795	-0.0008	0.0054823

Device Test: 5.2; PROPD_RESET





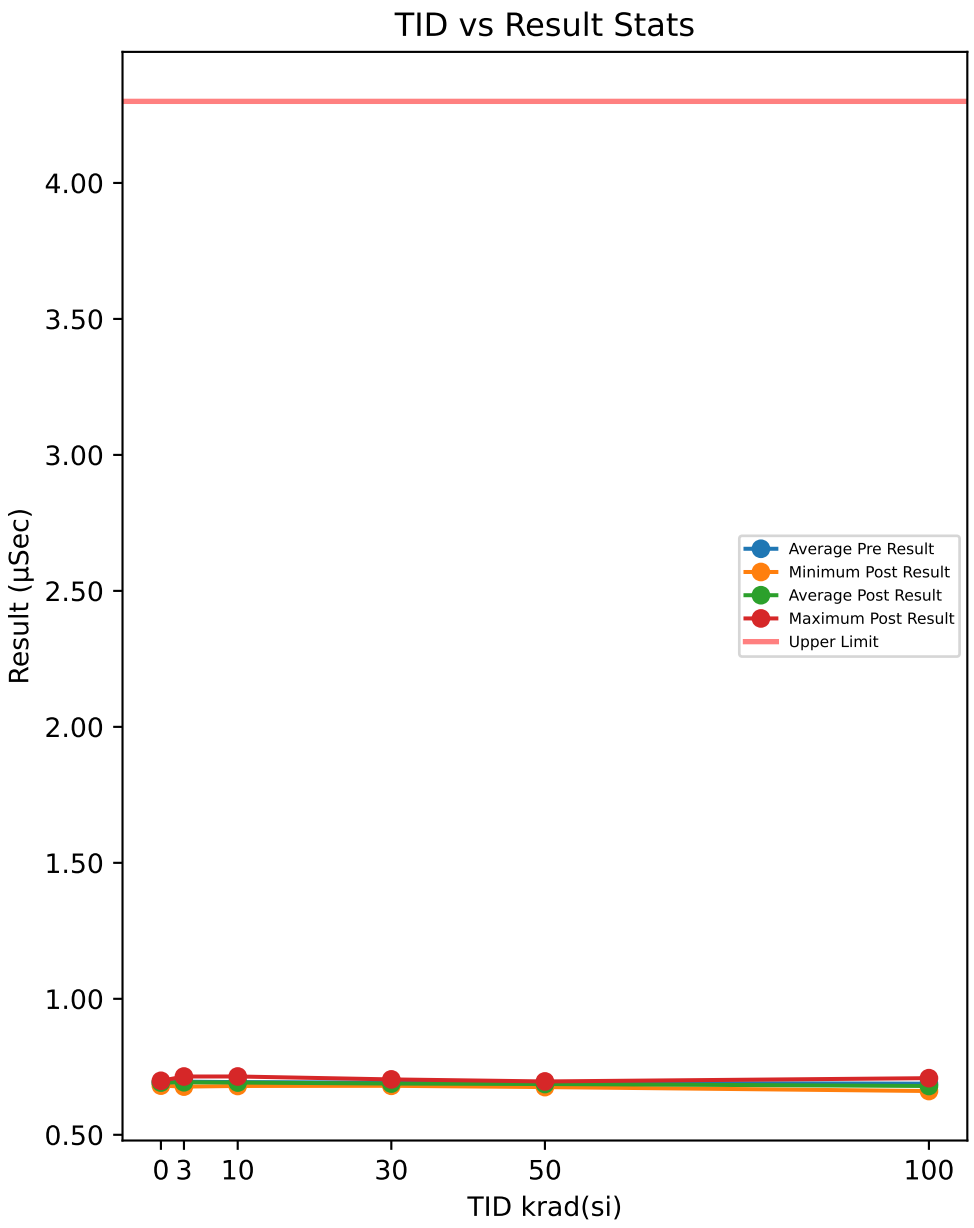
Test Results (Upper Limit = 4.3 (µSec))

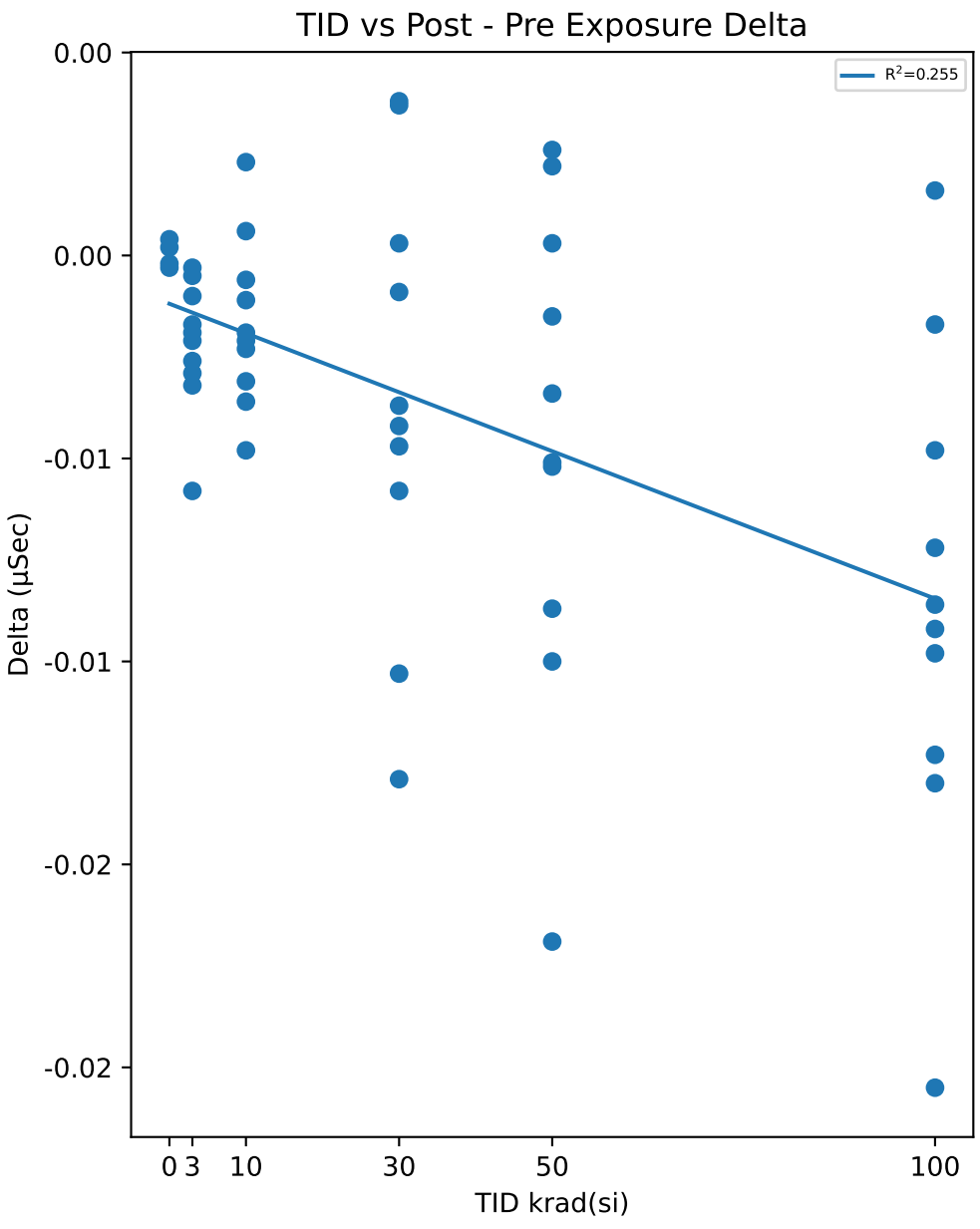
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7146	0.7082	-0.0064
3	3	Biased	0.7095	0.7078	-0.0017
4	3	Biased	0.7229	0.7196	-0.0033
5	3	Biased	0.7008	0.6952	-0.0056
6	3	Biased	0.6999	0.6995	-0.0004
7	3	Unbiased	0.7092	0.7037	-0.0055
8	3	Unbiased	0.6999	0.6954	-0.0045
9	3	Unbiased	0.7035	0.6984	-0.0051
10	3	Unbiased	0.725	0.7209	-0.0041
11	3	Unbiased	0.7014	0.7001	-0.0013
12	10	Unbiased	0.7061	0.7059	-0.0002
13	10	Unbiased	0.6903	0.6886	-0.0017
14	10	Unbiased	0.7013	0.7011	-0.0002
15	10	Unbiased	0.7073	0.7027	-0.0046
16	10	Unbiased	0.7006	0.6984	-0.0022
17	10	Biased	0.6909	0.6883	-0.0026
18	10	Biased	0.6889	0.6879	-0.001
19	10	Biased	0.7242	0.7216	-0.0026
20	10	Biased	0.6928	0.6921	-0.0007
21	10	Biased	0.7184	0.7169	-0.0015
22	30	Biased	0.6975	0.6925	-0.005
23	30	Biased	0.7071	0.7062	-0.0009
24	30	Biased	0.6977	0.692	-0.0057
25	30	Biased	0.7046	0.7028	-0.0018
26	30	Biased	0.7083	0.7073	-0.001
27	30	Unbiased	0.7176	0.7133	-0.0043
28	30	Unbiased	0.6984	0.6952	-0.0032
29	30	Unbiased	0.7071	0.704	-0.0031
30	30	Unbiased	0.7162	0.6999	-0.0163
31	30	Unbiased	0.6979	0.6966	-0.0013
32	50	Biased	0.7141	0.7027	-0.0114
33	50	Biased	0.7036	0.7033	-0.0003
34	50	Biased	0.7071	0.703	-0.0041
35	50	Biased	0.6964	0.6927	-0.0037
36	50	Biased	0.7077	0.7024	-0.0053
37	50	Unbiased	0.7111	0.7055	-0.0056
39	50	Unbiased	0.7007	0.7021	0.0014
40	50	Unbiased	0.7084	0.703	-0.0054
41	50	Unbiased	0.7044	0.6941	-0.0103
42	50	Unbiased	0.6992	0.6942	-0.005
43	100	Biased	0.6987	0.6972	-0.0015
44	100	Biased	0.6932	0.6857	-0.0075
45	100	Biased	0.6861	0.6845	-0.0016
46	100	Biased	0.7188	0.7182	-0.0006
47	100	Biased	0.6966	0.6924	-0.0042
48	100	Unbiased	0.6886	0.6792	-0.0094
49	100	Unbiased	0.6984	0.6868	-0.0116
50	100	Unbiased	0.7114	0.7004	-0.011
51	100	Unbiased	0.6984	0.6865	-0.0119
52	100	Unbiased	0.7023	0.698	-0.0043
53	0	Correlation	0.706	0.7057	-0.0003
54	0	Correlation	0.709	0.7088	-0.0002
55	0	Correlation	0.7079	0.7068	-0.0011
56	0	Correlation	0.6864	0.6855	-0.0009

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6864	0.70232	0.709	0.010689	0.6855	0.7017	0.7088	0.010876	-0.0011	-0.000625	-0.0002	0.00044253
3	0.6999	0.70867	0.725	0.0094319	0.6952	0.70488	0.7209	0.0092593	-0.0064	-0.00379	-0.0004	0.0020447
10	0.6889	0.70208	0.7242	0.012136	0.6879	0.70035	0.7216	0.011891	-0.0046	-0.00173	-0.0002	0.0013458
30	0.6975	0.70524	0.7176	0.0075056	0.692	0.70098	0.7133	0.0069739	-0.0163	-0.00426	-0.0009	0.0045556
50	0.6964	0.70527	0.7141	0.005487	0.6927	0.7003	0.7055	0.0046838	-0.0114	-0.00497	0.0014	0.0038759
100	0.6861	0.69925	0.7188	0.0098367	0.6792	0.69289	0.7182	0.011202	-0.0119	-0.00636	-0.0006	0.0044545

Device Test: 5.20; PROPD_RESET





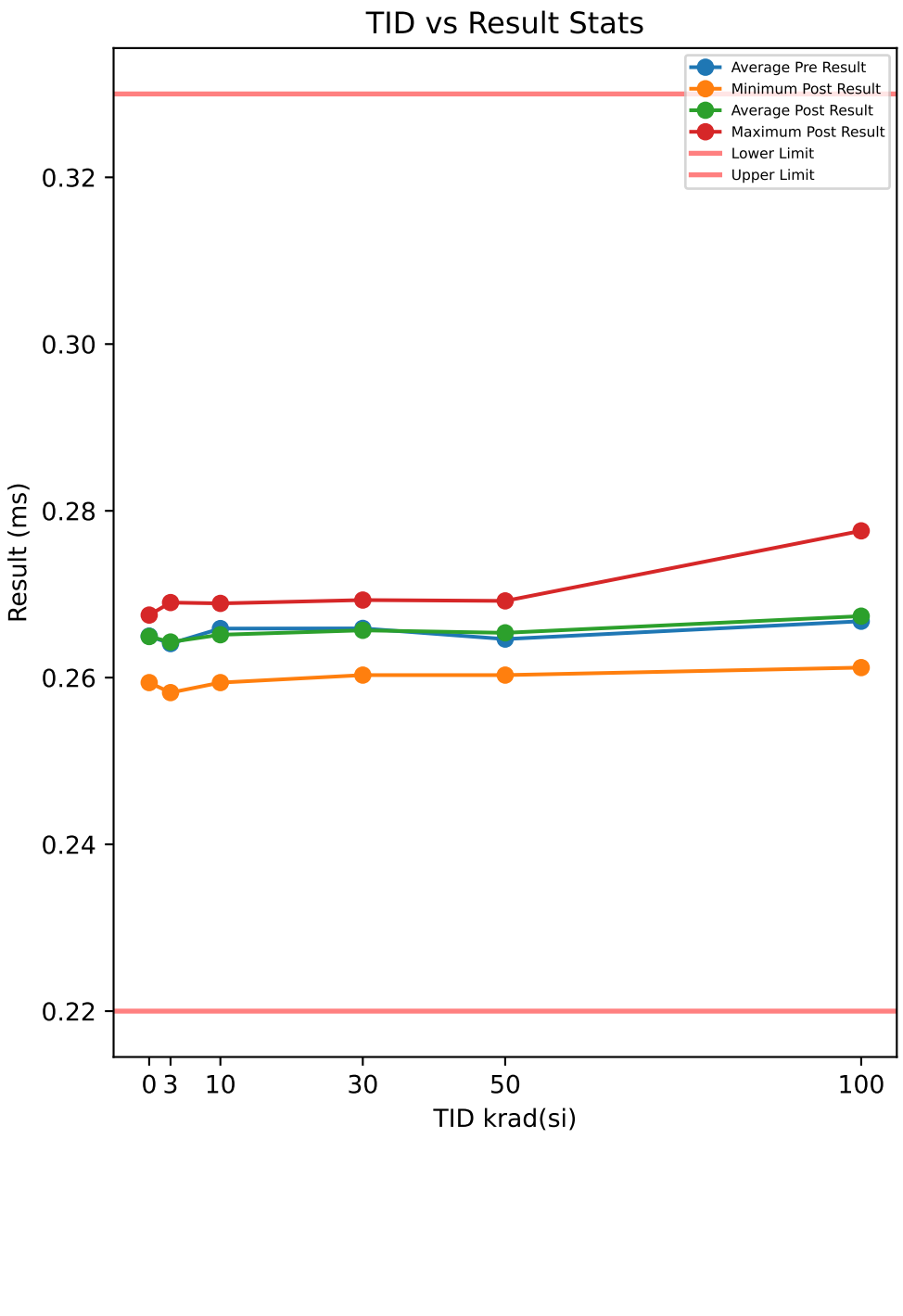
Test Results (Upper Limit = 4.3 (µSec))

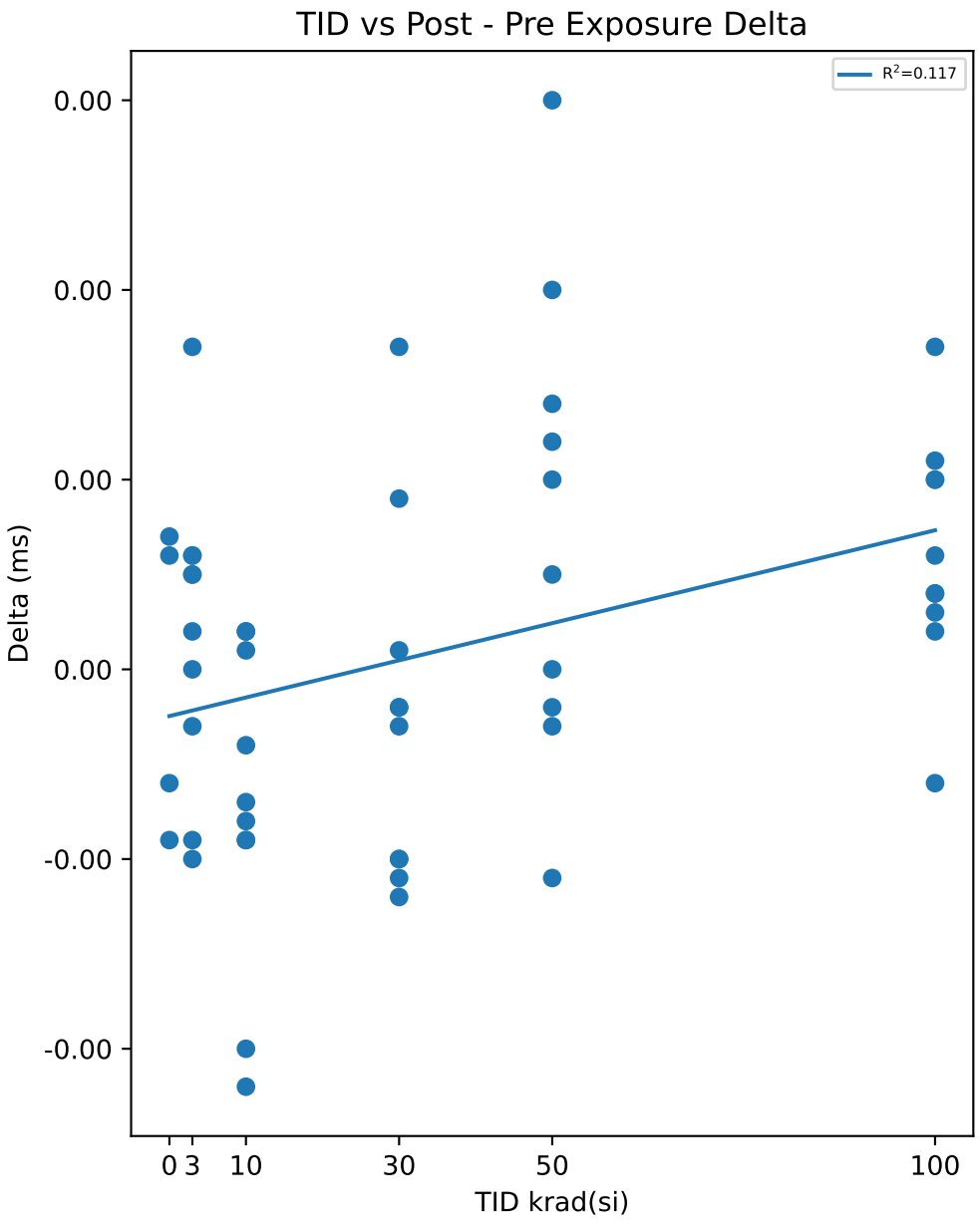
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.6993	0.6961	-0.0032
3	3	Biased	0.6951	0.6925	-0.0026
4	3	Biased	0.7172	0.7143	-0.0029
5	3	Biased	0.6917	0.6859	-0.0058
6	3	Biased	0.6824	0.6819	-0.0005
7	3	Unbiased	0.6949	0.6928	-0.0021
8	3	Unbiased	0.6907	0.6888	-0.0019
9	3	Unbiased	0.698	0.697	-0.001
10	3	Unbiased	0.7051	0.7048	-0.0003
11	3	Unbiased	0.6789	0.6772	-0.0017
12	10	Unbiased	0.6822	0.6845	0.0023
13	10	Unbiased	0.6921	0.691	-0.0011
14	10	Unbiased	0.6876	0.6828	-0.0048
15	10	Unbiased	0.703	0.7009	-0.0021
16	10	Unbiased	0.691	0.6891	-0.0019
17	10	Biased	0.6976	0.697	-0.0006
18	10	Biased	0.6879	0.6856	-0.0023
19	10	Biased	0.718	0.7144	-0.0036
20	10	Biased	0.6958	0.6964	0.0006
21	10	Biased	0.6826	0.6795	-0.0031
22	30	Biased	0.6859	0.6801	-0.0058
23	30	Biased	0.7	0.7037	0.0037
24	30	Biased	0.689	0.6881	-0.0009
25	30	Biased	0.6897	0.6855	-0.0042
26	30	Biased	0.6836	0.6839	0.0003
27	30	Unbiased	0.7001	0.6964	-0.0037
28	30	Unbiased	0.6987	0.6884	-0.0103
29	30	Unbiased	0.69	0.6853	-0.0047
30	30	Unbiased	0.6972	0.6843	-0.0129
31	30	Unbiased	0.6843	0.6881	0.0038
32	50	Biased	0.7009	0.684	-0.0169
33	50	Biased	0.6904	0.693	0.0026
34	50	Biased	0.6996	0.6962	-0.0034
35	50	Biased	0.6751	0.6754	0.0003
36	50	Biased	0.6916	0.6816	-0.01
37	50	Unbiased	0.681	0.6758	-0.0052
39	50	Unbiased	0.6924	0.6946	0.0022
40	50	Unbiased	0.6962	0.6947	-0.0015
41	50	Unbiased	0.6913	0.6862	-0.0051
42	50	Unbiased	0.6941	0.6854	-0.0087
43	100	Biased	0.6861	0.6775	-0.0086
44	100	Biased	0.6815	0.6717	-0.0098
45	100	Biased	0.6701	0.6609	-0.0092
46	100	Biased	0.7066	0.7082	0.0016
47	100	Biased	0.6859	0.6811	-0.0048
48	100	Unbiased	0.6812	0.6689	-0.0123
49	100	Unbiased	0.6872	0.6742	-0.013
50	100	Unbiased	0.6989	0.6784	-0.0205
51	100	Unbiased	0.6962	0.689	-0.0072
52	100	Unbiased	0.6858	0.6841	-0.0017
53	0	Correlation	0.6811	0.6808	-0.0003
54	0	Correlation	0.6987	0.6985	-0.0002
55	0	Correlation	0.6923	0.6927	0.0004
56	0	Correlation	0.6959	0.6961	0.0002

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6811	0.692	0.6987	0.0077244	0.6808	0.69203	0.6985	0.0078525	-0.0003	2.5e-05	0.0004	0.0003304
3	0.6789	0.69533	0.7172	0.010897	0.6772	0.69313	0.7143	0.01085	-0.0058	-0.0022	-0.0003	0.0015951
10	0.6822	0.69378	0.718	0.010712	0.6795	0.69212	0.7144	0.010396	-0.0048	-0.00166	0.0023	0.0020705
30	0.6836	0.69185	0.7001	0.0065546	0.6801	0.68838	0.7037	0.0068495	-0.0129	-0.00347	0.0038	0.0054587
50	0.6751	0.69126	0.7009	0.0079129	0.6754	0.68669	0.6962	0.0077322	-0.0169	-0.00457	0.0026	0.0060645
100	0.6701	0.68795	0.7066	0.010298	0.6609	0.6794	0.7082	0.012867	-0.0205	-0.00855	0.0016	0.0061868

Device Test: 5.21; DLY_TMR_10KOHM





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

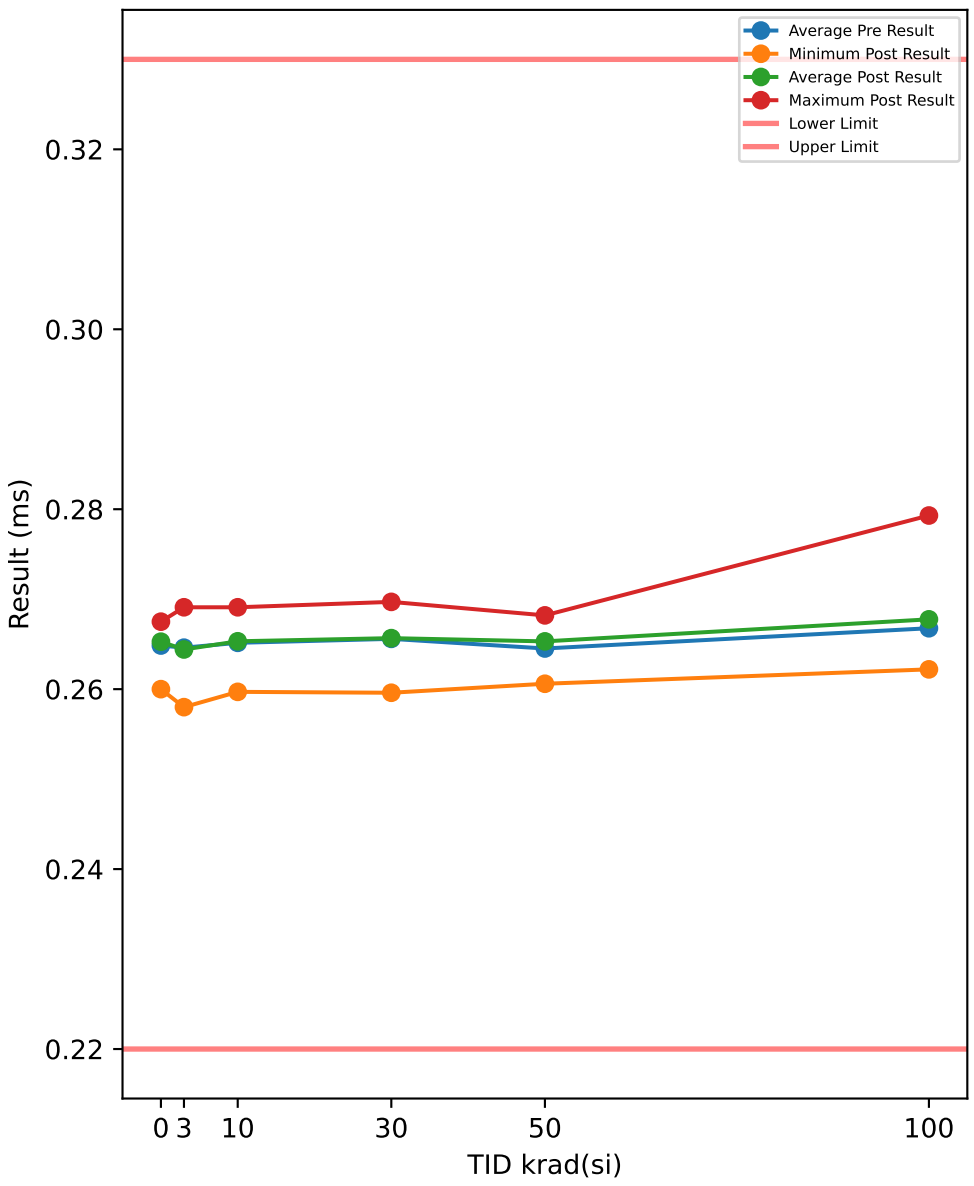
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2596	0.2613	0.0017
3	3	Biased	0.258	0.2585	0.0005
4	3	Biased	0.2584	0.2586	0.0002
5	3	Biased	0.2684	0.269	0.0006
6	3	Biased	0.267	0.2675	0.0005
7	3	Unbiased	0.2683	0.2689	0.0006
8	3	Unbiased	0.2684	0.2674	-0.001
9	3	Unbiased	0.2666	0.2666	0
10	3	Unbiased	0.2676	0.2667	-0.0009
11	3	Unbiased	0.2585	0.2582	-0.0003
12	10	Unbiased	0.2663	0.2664	0.0001
13	10	Unbiased	0.2622	0.2602	-0.002
14	10	Unbiased	0.2605	0.2598	-0.0007
15	10	Unbiased	0.2688	0.2684	-0.0004
16	10	Unbiased	0.2675	0.2677	0.0002
17	10	Biased	0.2687	0.2689	0.0002
18	10	Biased	0.2682	0.2674	-0.0008
19	10	Biased	0.2603	0.2594	-0.0009
20	10	Biased	0.2677	0.2655	-0.0022
21	10	Biased	0.2686	0.2677	-0.0009
22	30	Biased	0.2605	0.2606	0.0001
23	30	Biased	0.268	0.2677	-0.0003
24	30	Biased	0.2605	0.2603	-0.0002
25	30	Biased	0.2676	0.2674	-0.0002
26	30	Biased	0.2701	0.269	-0.0011
27	30	Unbiased	0.2606	0.2623	0.0017
28	30	Unbiased	0.2683	0.2671	-0.0012
29	30	Unbiased	0.2684	0.2693	0.0009
30	30	Unbiased	0.2672	0.2662	-0.001
31	30	Unbiased	0.2678	0.2668	-0.001
32	50	Biased	0.2614	0.2603	-0.0011
33	50	Biased	0.2658	0.267	0.0012
34	50	Biased	0.2601	0.2611	0.001
35	50	Biased	0.2611	0.2641	0.003
36	50	Biased	0.2601	0.2621	0.002
37	50	Unbiased	0.267	0.2667	-0.0003
39	50	Unbiased	0.2692	0.2692	0
40	50	Unbiased	0.2669	0.2667	-0.0002
41	50	Unbiased	0.2671	0.2685	0.0014
42	50	Unbiased	0.2675	0.268	0.0005
43	100	Biased	0.2602	0.2612	0.001
44	100	Biased	0.2765	0.2776	0.0011
45	100	Biased	0.2687	0.269	0.0003
46	100	Biased	0.263	0.2624	-0.0006
47	100	Biased	0.2695	0.2701	0.0006
48	100	Unbiased	0.2682	0.2686	0.0004
49	100	Unbiased	0.2667	0.2671	0.0004
50	100	Unbiased	0.2601	0.2618	0.0017
51	100	Unbiased	0.2664	0.2666	0.0002
52	100	Unbiased	0.2683	0.2693	0.001
53	0	Correlation	0.2666	0.2657	-0.0009
54	0	Correlation	0.2664	0.2671	0.0007
55	0	Correlation	0.2681	0.2675	-0.0006
56	0	Correlation	0.2588	0.2594	0.0006

Test Statistics (ms)

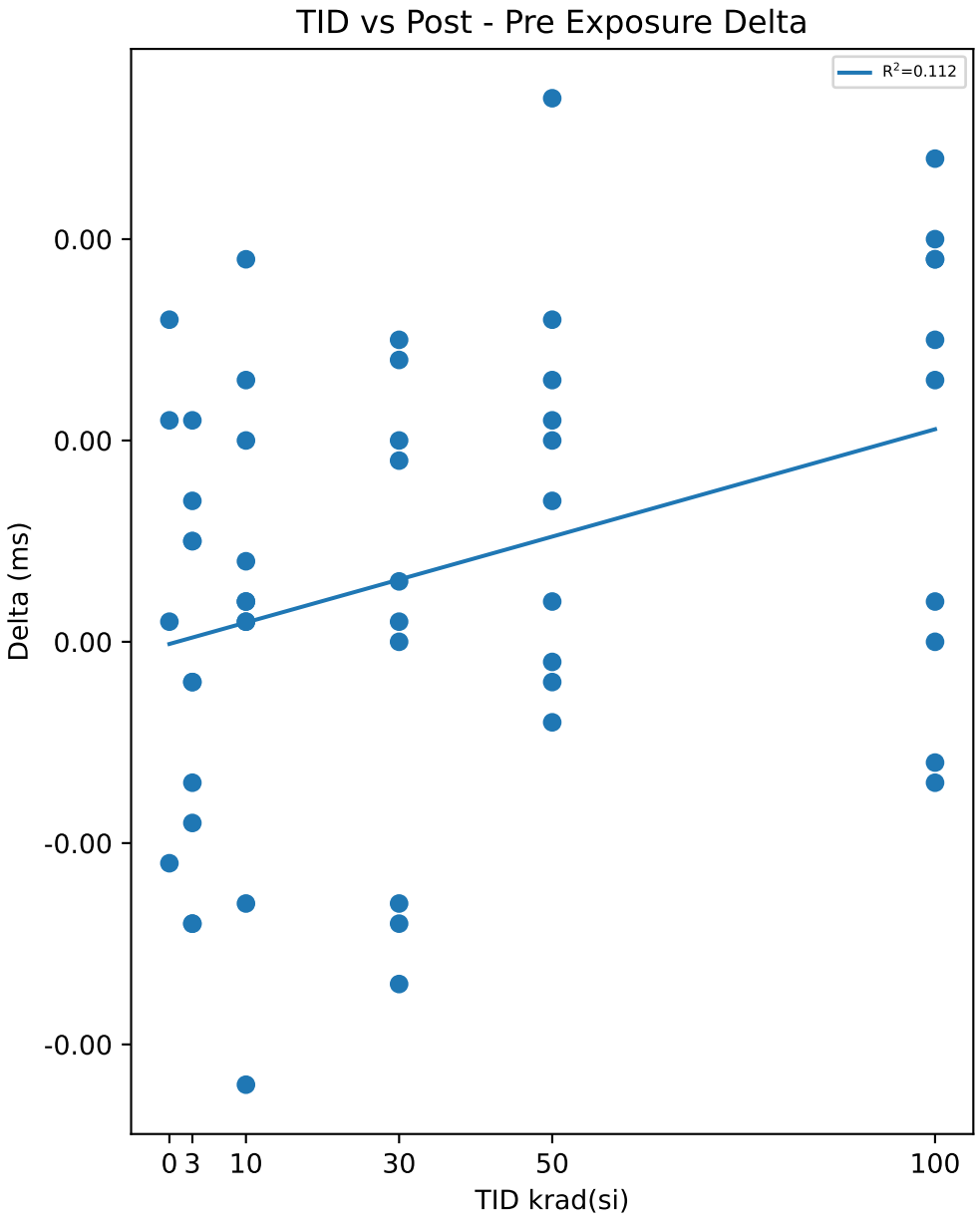
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2588	0.26498	0.2681	0.004186	0.2594	0.26493	0.2675	0.0037633	-0.0009	-5e-05	0.0007	0.00081854
3	0.258	0.26408	0.2684	0.0047474	0.2582	0.26427	0.269	0.0045519	-0.001	0.00019	0.0017	0.00079505
10	0.2603	0.26588	0.2688	0.00348	0.2594	0.26514	0.2689	0.0038088	-0.0022	-0.00074	0.0002	0.0008409
30	0.2605	0.2659	0.2701	0.0037809	0.2603	0.26567	0.2693	0.003348	-0.0012	-0.00023	0.0017	0.00094287
50	0.2601	0.26462	0.2692	0.0035166	0.2603	0.26537	0.2692	0.0032287	-0.0011	0.00075	0.003	0.0012186
100	0.2601	0.26676	0.2765	0.0048562	0.2612	0.26737	0.2776	0.0048815	-0.0006	0.00061	0.0017	0.00062796

Device Test: 5.22; DLY_TMR_10KOHM

TID vs Result Stats



TID vs Post - Pre Exposure Delta



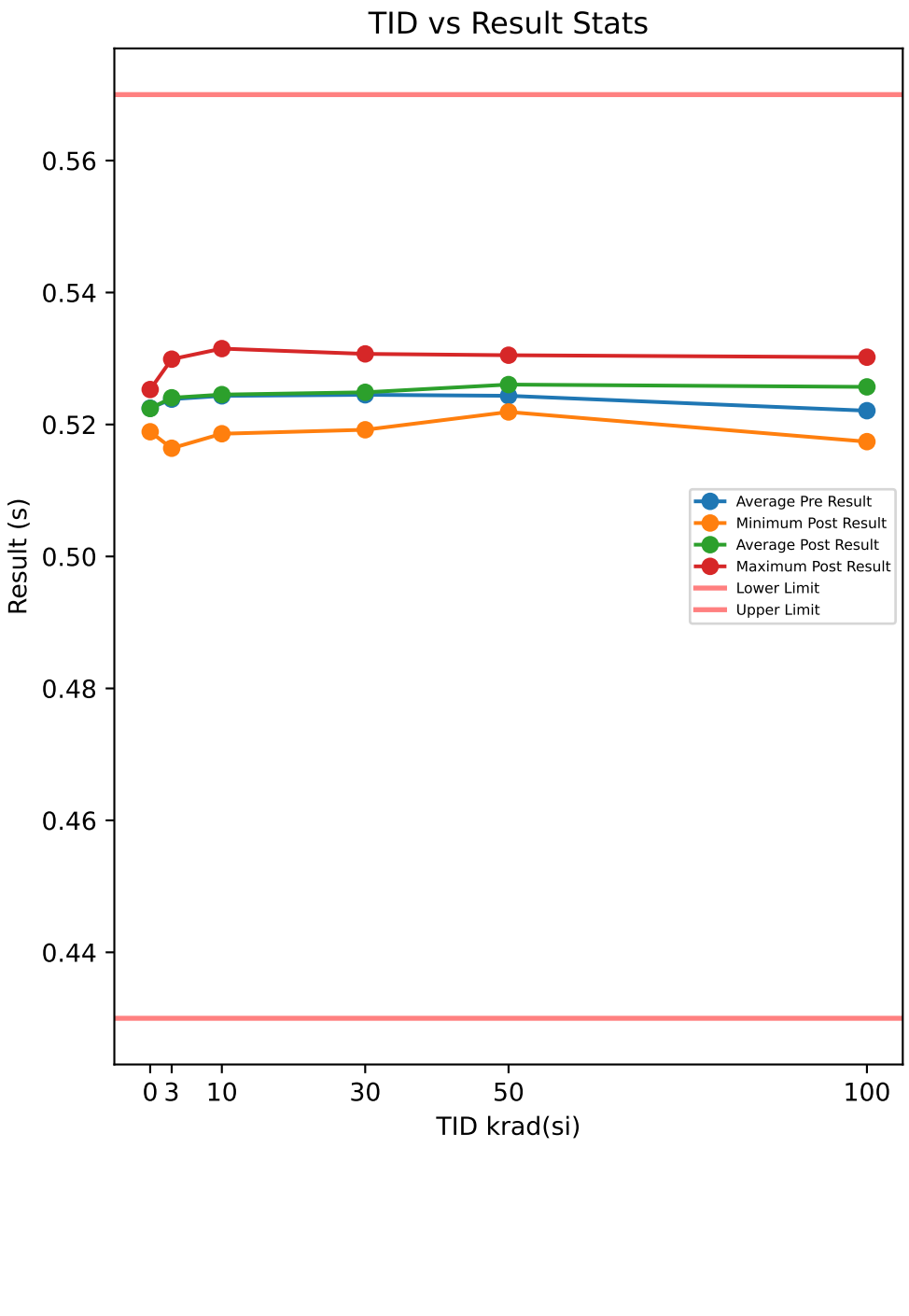
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

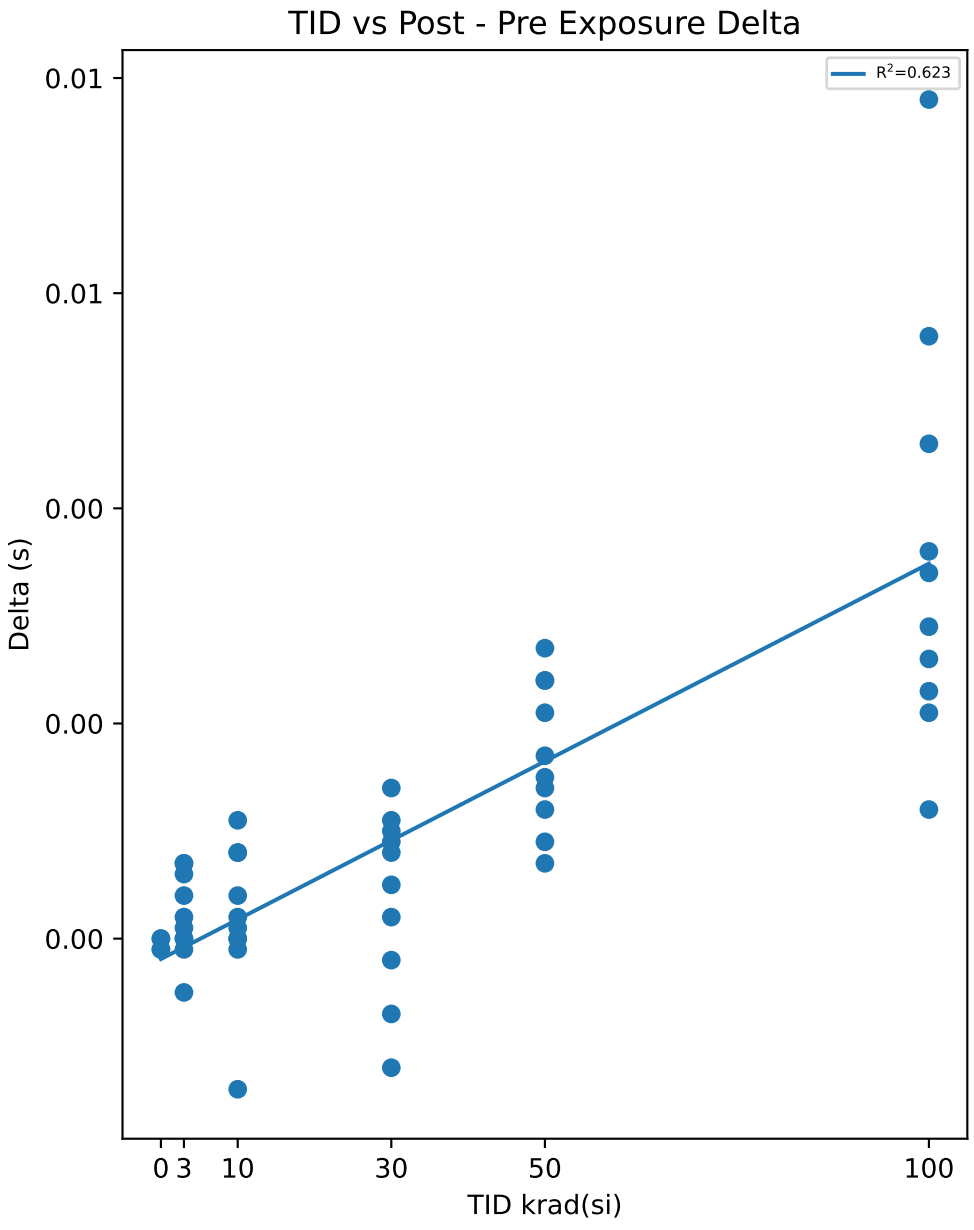
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2599	0.2604	0.0005
3	3	Biased	0.2594	0.258	-0.0014
4	3	Biased	0.2585	0.259	0.0005
5	3	Biased	0.2693	0.2691	-0.0002
6	3	Biased	0.2676	0.2683	0.0007
7	3	Unbiased	0.2691	0.2684	-0.0007
8	3	Unbiased	0.2687	0.2685	-0.0002
9	3	Unbiased	0.2673	0.2659	-0.0014
10	3	Unbiased	0.2666	0.2677	0.0011
11	3	Unbiased	0.2597	0.2588	-0.0009
12	10	Unbiased	0.2671	0.2672	0.0001
13	10	Unbiased	0.2607	0.2609	0.0002
14	10	Unbiased	0.2598	0.2602	0.0004
15	10	Unbiased	0.2684	0.2671	-0.0013
16	10	Unbiased	0.2669	0.2671	0.0002
17	10	Biased	0.2672	0.2691	0.0019
18	10	Biased	0.2675	0.2676	0.0001
19	10	Biased	0.2587	0.2597	0.001
20	10	Biased	0.2676	0.2654	-0.0022
21	10	Biased	0.2676	0.2689	0.0013
22	30	Biased	0.2613	0.2613	0
23	30	Biased	0.268	0.2667	-0.0013
24	30	Biased	0.2595	0.2596	0.0001
25	30	Biased	0.2681	0.2667	-0.0014
26	30	Biased	0.2688	0.2697	0.0009
27	30	Unbiased	0.2605	0.2615	0.001
28	30	Unbiased	0.2669	0.2672	0.0003
29	30	Unbiased	0.2678	0.2693	0.0015
30	30	Unbiased	0.2681	0.2664	-0.0017
31	30	Unbiased	0.2669	0.2683	0.0014
32	50	Biased	0.2599	0.2615	0.0016
33	50	Biased	0.2658	0.2671	0.0013
34	50	Biased	0.2595	0.2606	0.0011
35	50	Biased	0.2608	0.2635	0.0027
36	50	Biased	0.261	0.262	0.001
37	50	Unbiased	0.2658	0.2665	0.0007
39	50	Unbiased	0.2678	0.2677	-0.0001
40	50	Unbiased	0.2681	0.2679	-0.0002
41	50	Unbiased	0.2679	0.2681	0.0002
42	50	Unbiased	0.2686	0.2682	-0.0004
43	100	Biased	0.2605	0.2624	0.0019
44	100	Biased	0.2774	0.2793	0.0019
45	100	Biased	0.2676	0.27	0.0024
46	100	Biased	0.2629	0.2622	-0.0007
47	100	Biased	0.2681	0.2694	0.0013
48	100	Unbiased	0.2683	0.2683	0
49	100	Unbiased	0.266	0.2675	0.0015
50	100	Unbiased	0.2607	0.2627	0.002
51	100	Unbiased	0.2664	0.2666	0.0002
52	100	Unbiased	0.2698	0.2692	-0.0006
53	0	Correlation	0.2654	0.267	0.0016
54	0	Correlation	0.2664	0.2675	0.0011
55	0	Correlation	0.2677	0.2666	-0.0011
56	0	Correlation	0.2599	0.26	0.0001

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	0.2599	0.26485	0.2677	0.0034317	0.26	0.26528	0.2675	0.0035359	-0.0011	0.000425	0.0016	0.0011927
3	0.2585	0.26461	0.2693	0.0045921	0.258	0.26441	0.2691	0.0047226	-0.0014	-0.0002	0.0011	0.00088819
10	0.2587	0.26515	0.2684	0.0037887	0.2597	0.26532	0.2691	0.0036441	-0.0022	0.00017	0.0019	0.0011926
30	0.2595	0.26559	0.2688	0.0036275	0.2596	0.26567	0.2697	0.0035693	-0.0017	8e-05	0.0015	0.001183
50	0.2595	0.26452	0.2686	0.0037668	0.2606	0.26531	0.2682	0.003057	-0.0004	0.00079	0.0027	0.00095737
100	0.2605	0.26677	0.2774	0.0049311	0.2622	0.26776	0.2793	0.0050542	-0.0007	0.00099	0.0024	0.0011551

Device Test: 5.23; WD_TMR_10KOHM





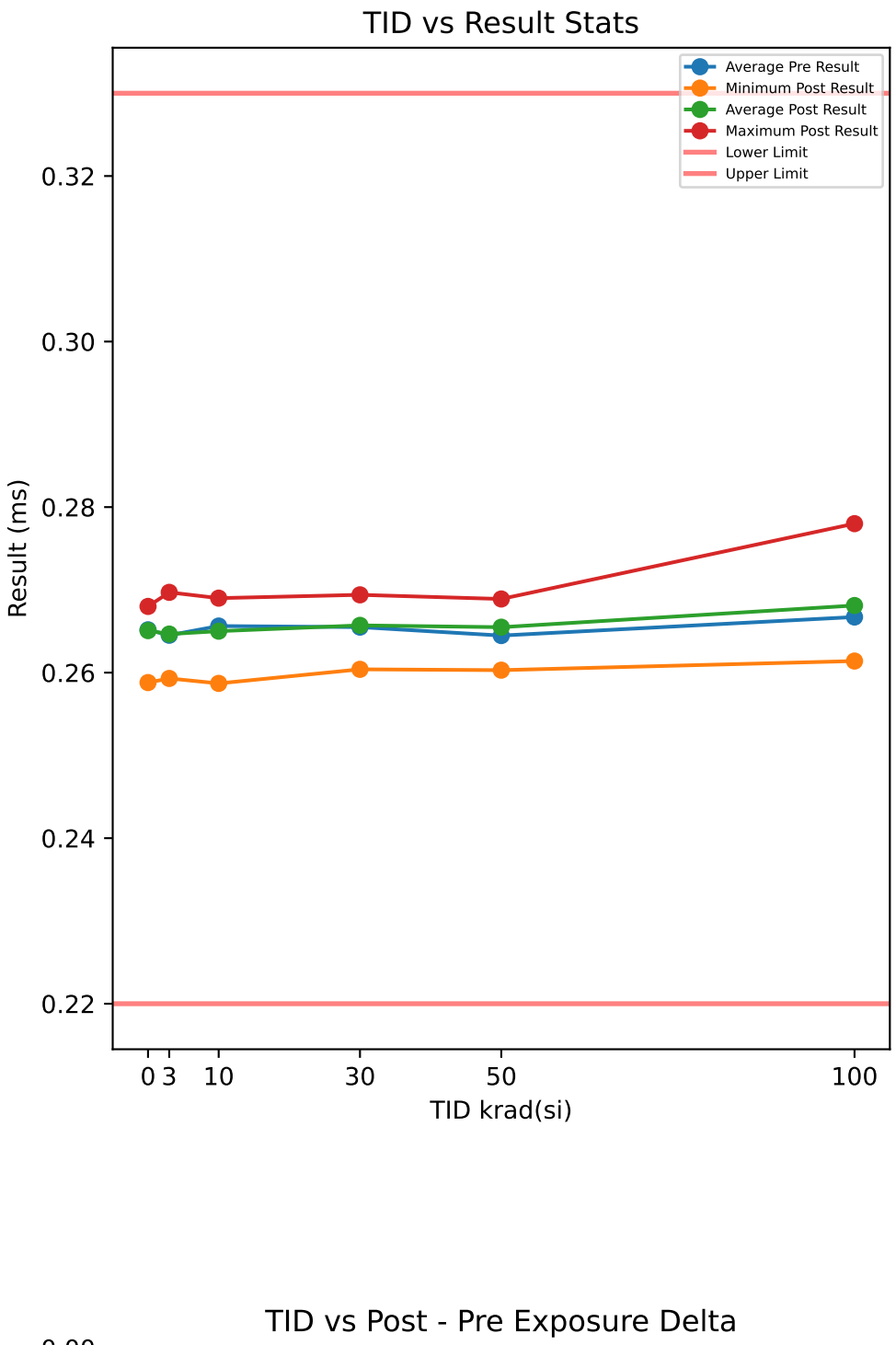
Test Results (Lower Limit = 0.43, Upper Limit = 0.57 (s))

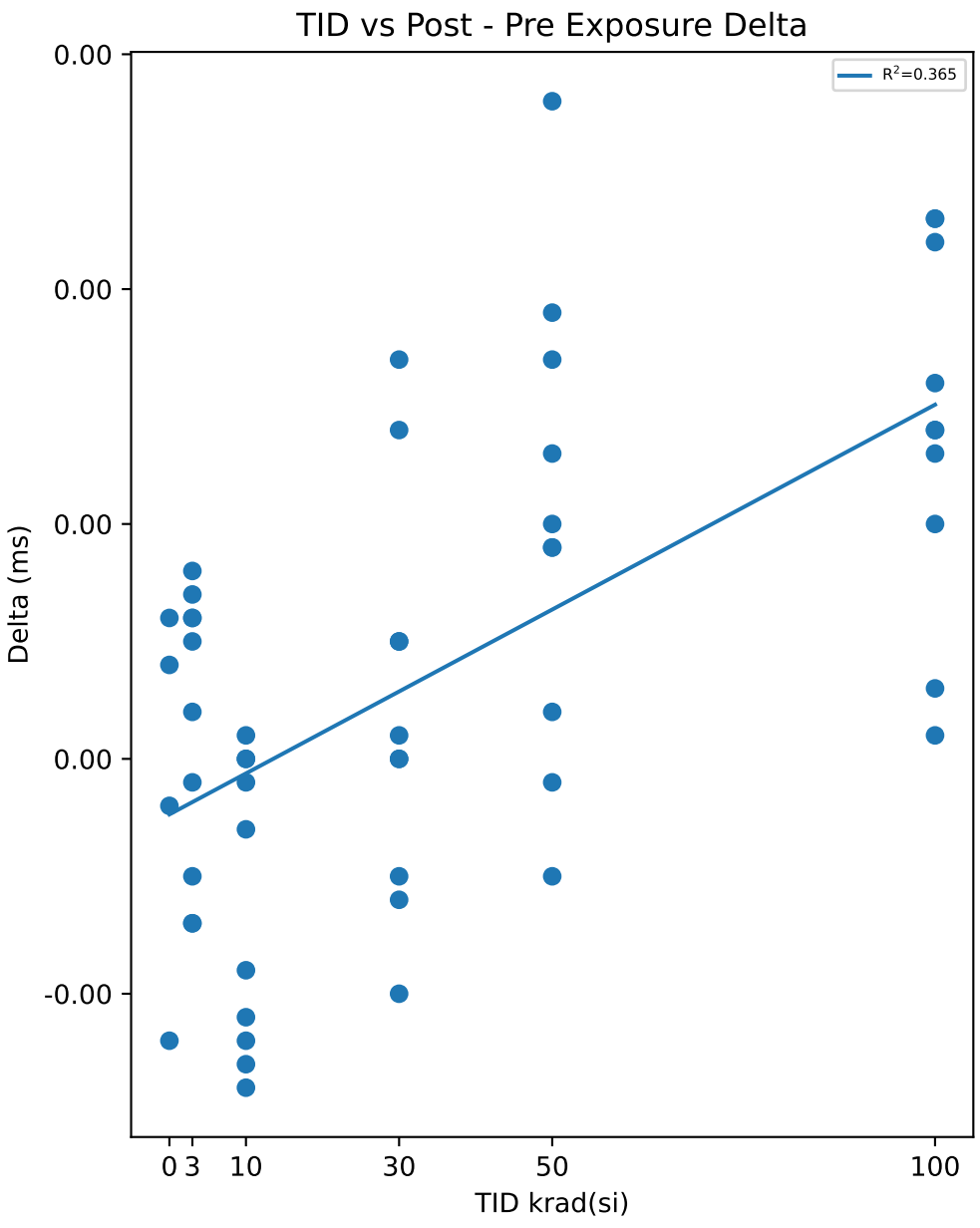
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.5242	0.5246	0.0004
3	3	Biased	0.5242	0.5242	0
4	3	Biased	0.526	0.526	0
5	3	Biased	0.5157	0.5164	0.0007
6	3	Biased	0.5292	0.5299	0.0007
7	3	Unbiased	0.5221	0.5216	-0.0005
8	3	Unbiased	0.5203	0.5209	0.0006
9	3	Unbiased	0.5265	0.5267	0.0002
10	3	Unbiased	0.5248	0.5247	-0.0001
11	3	Unbiased	0.5254	0.5255	0.0001
12	10	Unbiased	0.5245	0.5231	-0.0014
13	10	Unbiased	0.5315	0.5315	0
14	10	Unbiased	0.5233	0.5241	0.0008
15	10	Unbiased	0.5202	0.5203	0.0001
16	10	Unbiased	0.5212	0.522	0.0008
17	10	Biased	0.5258	0.5269	0.0011
18	10	Biased	0.5182	0.5186	0.0004
19	10	Biased	0.5275	0.5275	0
20	10	Biased	0.5229	0.5228	-0.0001
21	10	Biased	0.5283	0.5285	0.0002
22	30	Biased	0.5201	0.5203	0.0002
23	30	Biased	0.5194	0.5192	-0.0002
24	30	Biased	0.5316	0.5304	-0.0012
25	30	Biased	0.5215	0.5223	0.0008
26	30	Biased	0.527	0.5275	0.0005
27	30	Unbiased	0.5259	0.5269	0.001
28	30	Unbiased	0.5298	0.5307	0.0009
29	30	Unbiased	0.5217	0.5231	0.0014
30	30	Unbiased	0.5239	0.525	0.0011
31	30	Unbiased	0.5241	0.5234	-0.0007
32	50	Biased	0.5211	0.5232	0.0021
33	50	Biased	0.5205	0.5219	0.0014
34	50	Biased	0.5226	0.5241	0.0015
35	50	Biased	0.5245	0.5262	0.0017
36	50	Biased	0.5273	0.5285	0.0012
37	50	Unbiased	0.5252	0.5279	0.0027
39	50	Unbiased	0.5231	0.524	0.0009
40	50	Unbiased	0.5252	0.5259	0.0007
41	50	Unbiased	0.5281	0.5305	0.0024
42	50	Unbiased	0.5259	0.5283	0.0024
43	100	Biased	0.518	0.5236	0.0056
44	100	Biased	0.5259	0.5271	0.0012
45	100	Biased	0.5256	0.5302	0.0046
46	100	Biased	0.5194	0.5215	0.0021
47	100	Biased	0.5245	0.5279	0.0034
48	100	Unbiased	0.5242	0.5268	0.0026
49	100	Unbiased	0.5248	0.5277	0.0029
50	100	Unbiased	0.522	0.5256	0.0036
51	100	Unbiased	0.5214	0.5292	0.0078
52	100	Unbiased	0.5151	0.5174	0.0023
53	0	Correlation	0.5254	0.5253	-0.0001
54	0	Correlation	0.5189	0.5189	0
55	0	Correlation	0.521	0.5209	-0.0001
56	0	Correlation	0.5246	0.5246	0

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	0.5189	0.52248	0.5254	0.0030566	0.5189	0.52243	0.5253	0.0030412	-0.0001	-5e-05	0	5.7735e-05
3	0.5157	0.52384	0.5292	0.0037402	0.5164	0.52405	0.5299	0.003687	-0.0005	0.00021	0.0007	0.00039001
10	0.5182	0.52434	0.5315	0.0040407	0.5186	0.52453	0.5315	0.0039925	-0.0014	0.00019	0.0011	0.00069194
30	0.5194	0.5245	0.5316	0.0040749	0.5192	0.52488	0.5307	0.0039519	-0.0012	0.00038	0.0014	0.00084564
50	0.5205	0.52435	0.5281	0.0025088	0.5219	0.52605	0.5305	0.0027424	0.0007	0.0017	0.0027	0.00067987
100	0.5151	0.52209	0.5259	0.0036171	0.5174	0.5257	0.5302	0.0038796	0.0012	0.00361	0.0078	0.0019399

Device Test: 5.24; DLY_TMR_10KOHM





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

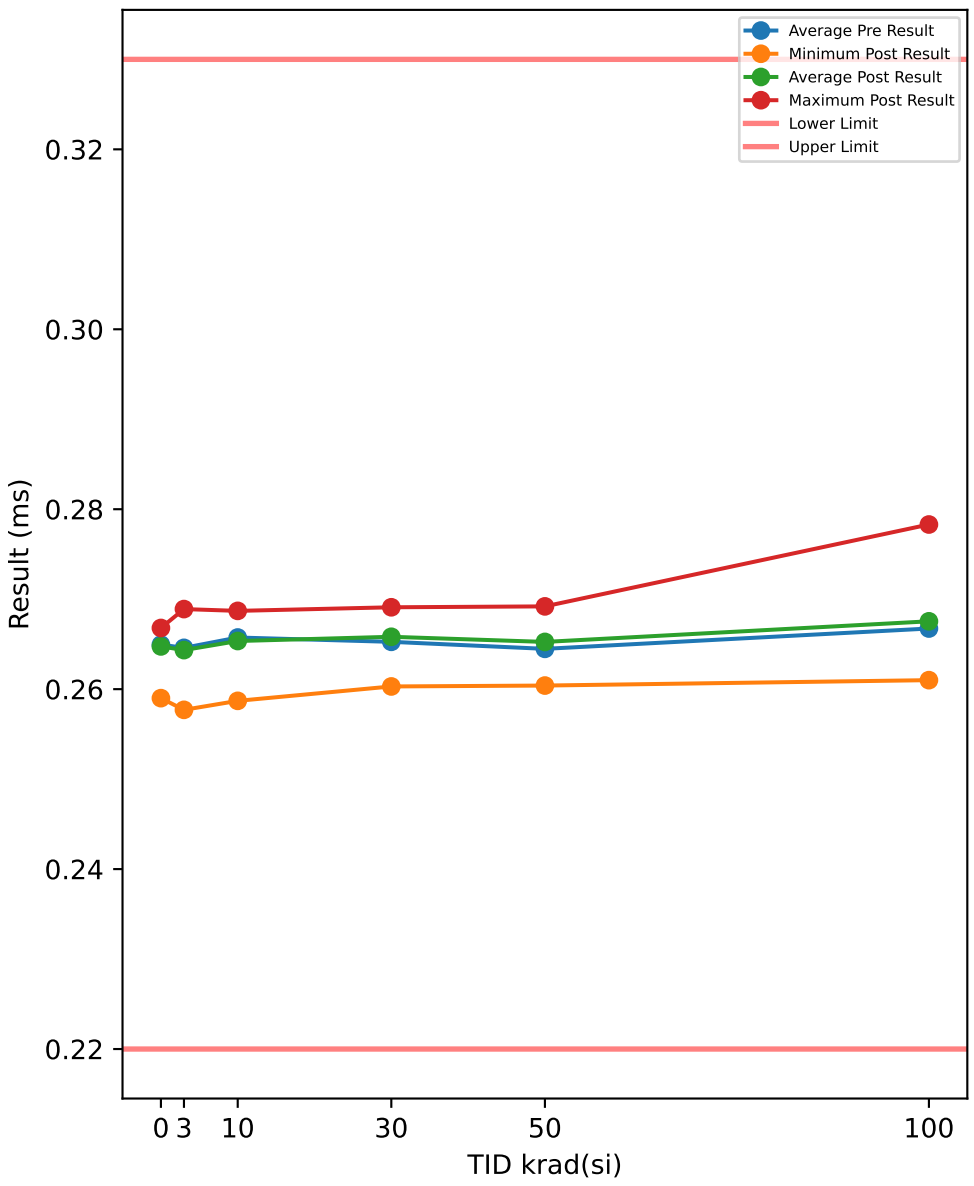
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2614	0.2613	-0.0001
3	3	Biased	0.2587	0.2593	0.0006
4	3	Biased	0.2585	0.2593	0.0008
5	3	Biased	0.2692	0.2697	0.0005
6	3	Biased	0.2674	0.2667	-0.0007
7	3	Unbiased	0.2681	0.2688	0.0007
8	3	Unbiased	0.2687	0.2682	-0.0005
9	3	Unbiased	0.2668	0.2661	-0.0007
10	3	Unbiased	0.2676	0.2678	0.0002
11	3	Unbiased	0.2588	0.2594	0.0006
12	10	Unbiased	0.2659	0.266	0.0001
13	10	Unbiased	0.2617	0.2617	0
14	10	Unbiased	0.2617	0.2603	-0.0014
15	10	Unbiased	0.2682	0.2679	-0.0003
16	10	Unbiased	0.2675	0.2663	-0.0012
17	10	Biased	0.2691	0.2678	-0.0013
18	10	Biased	0.2672	0.2663	-0.0009
19	10	Biased	0.2598	0.2587	-0.0011
20	10	Biased	0.2662	0.2661	-0.0001
21	10	Biased	0.269	0.269	0
22	30	Biased	0.2603	0.2604	0.0001
23	30	Biased	0.2672	0.2666	-0.0006
24	30	Biased	0.2604	0.2604	0
25	30	Biased	0.2665	0.2665	0
26	30	Biased	0.2689	0.2694	0.0005
27	30	Unbiased	0.2606	0.262	0.0014
28	30	Unbiased	0.2686	0.2676	-0.001
29	30	Unbiased	0.2677	0.2694	0.0017
30	30	Unbiased	0.267	0.2675	0.0005
31	30	Unbiased	0.2678	0.2673	-0.0005
32	50	Biased	0.2604	0.2603	-0.0001
33	50	Biased	0.2665	0.2675	0.001
34	50	Biased	0.259	0.2618	0.0028
35	50	Biased	0.2628	0.2623	-0.0005
36	50	Biased	0.2601	0.2618	0.0017
37	50	Unbiased	0.2665	0.2674	0.0009
39	50	Unbiased	0.2687	0.2689	0.0002
40	50	Unbiased	0.2665	0.2678	0.0013
41	50	Unbiased	0.2675	0.2684	0.0009
42	50	Unbiased	0.2668	0.2687	0.0019
43	100	Biased	0.2613	0.2614	0.0001
44	100	Biased	0.2777	0.278	0.0003
45	100	Biased	0.2678	0.2701	0.0023
46	100	Biased	0.2619	0.2642	0.0023
47	100	Biased	0.268	0.2694	0.0014
48	100	Unbiased	0.2679	0.2693	0.0014
49	100	Unbiased	0.2657	0.2679	0.0022
50	100	Unbiased	0.2614	0.2627	0.0013
51	100	Unbiased	0.2672	0.2682	0.001
52	100	Unbiased	0.2683	0.2699	0.0016
53	0	Correlation	0.2666	0.267	0.0004
54	0	Correlation	0.2674	0.268	0.0006
55	0	Correlation	0.2677	0.2665	-0.0012
56	0	Correlation	0.259	0.2588	-0.0002

Test Statistics (ms)

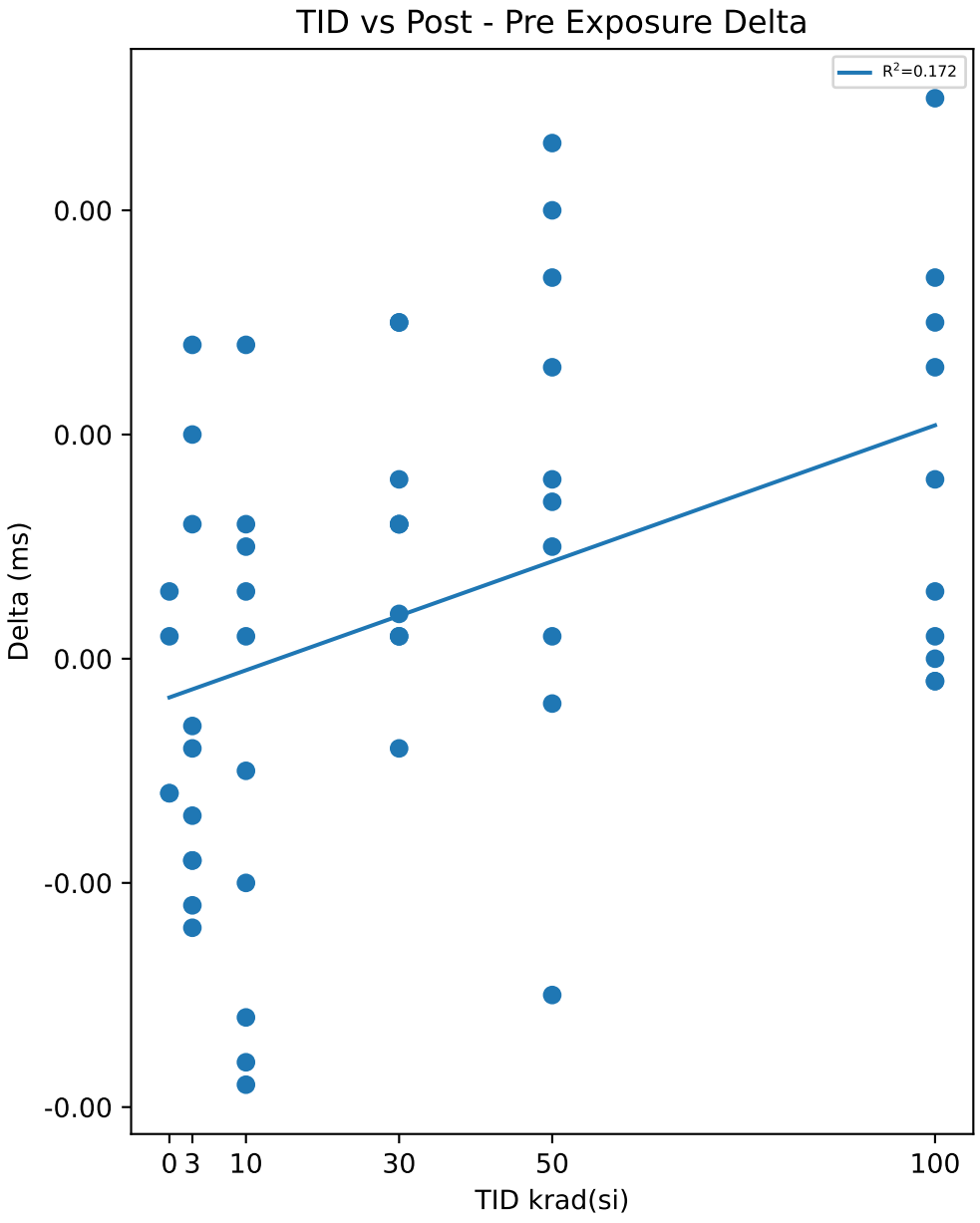
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.259	0.26517	0.2677	0.0041428	0.2588	0.26508	0.268	0.0042296	-0.0012	-0.0001	0.0006	0.00080829
3	0.2585	0.26452	0.2692	0.0045672	0.2593	0.26466	0.2697	0.0043151	-0.0007	0.00014	0.0008	0.00059479
10	0.2598	0.26563	0.2691	0.003354	0.2587	0.26501	0.269	0.0035041	-0.0014	-0.00062	0.0001	0.00061246
30	0.2603	0.2655	0.2689	0.0035668	0.2604	0.26571	0.2694	0.0034658	-0.001	0.00021	0.0017	0.00085173
50	0.259	0.26448	0.2687	0.0035471	0.2603	0.26549	0.2689	0.0034604	-0.0005	0.00101	0.0028	0.00098596
100	0.2613	0.26672	0.2777	0.004824	0.2614	0.26811	0.278	0.0046867	0.0001	0.00139	0.0023	0.00077237

Device Test: 5.25; DLY_TMR_10KOHM

TID vs Result Stats



TID vs Post - Pre Exposure Delta



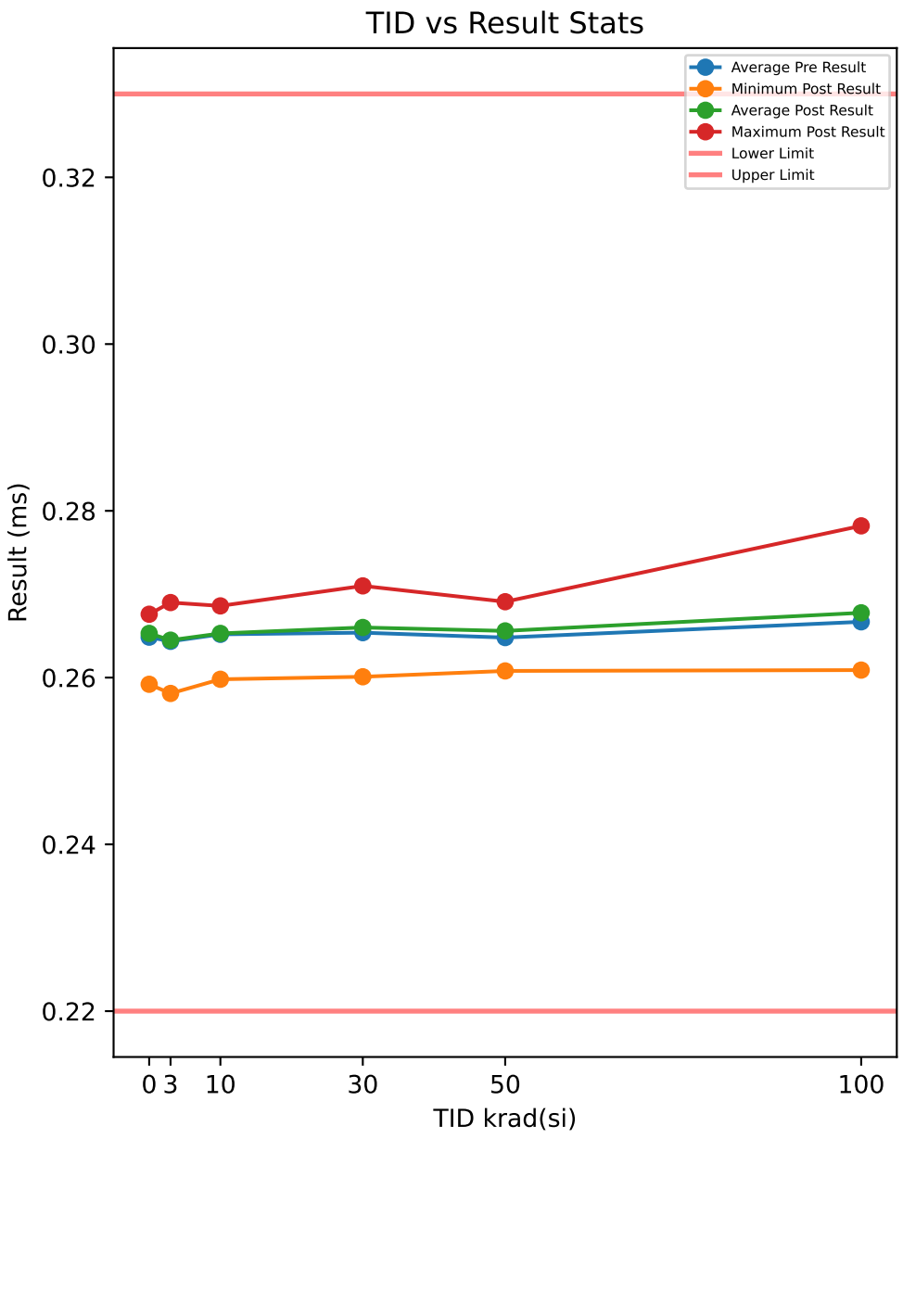
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

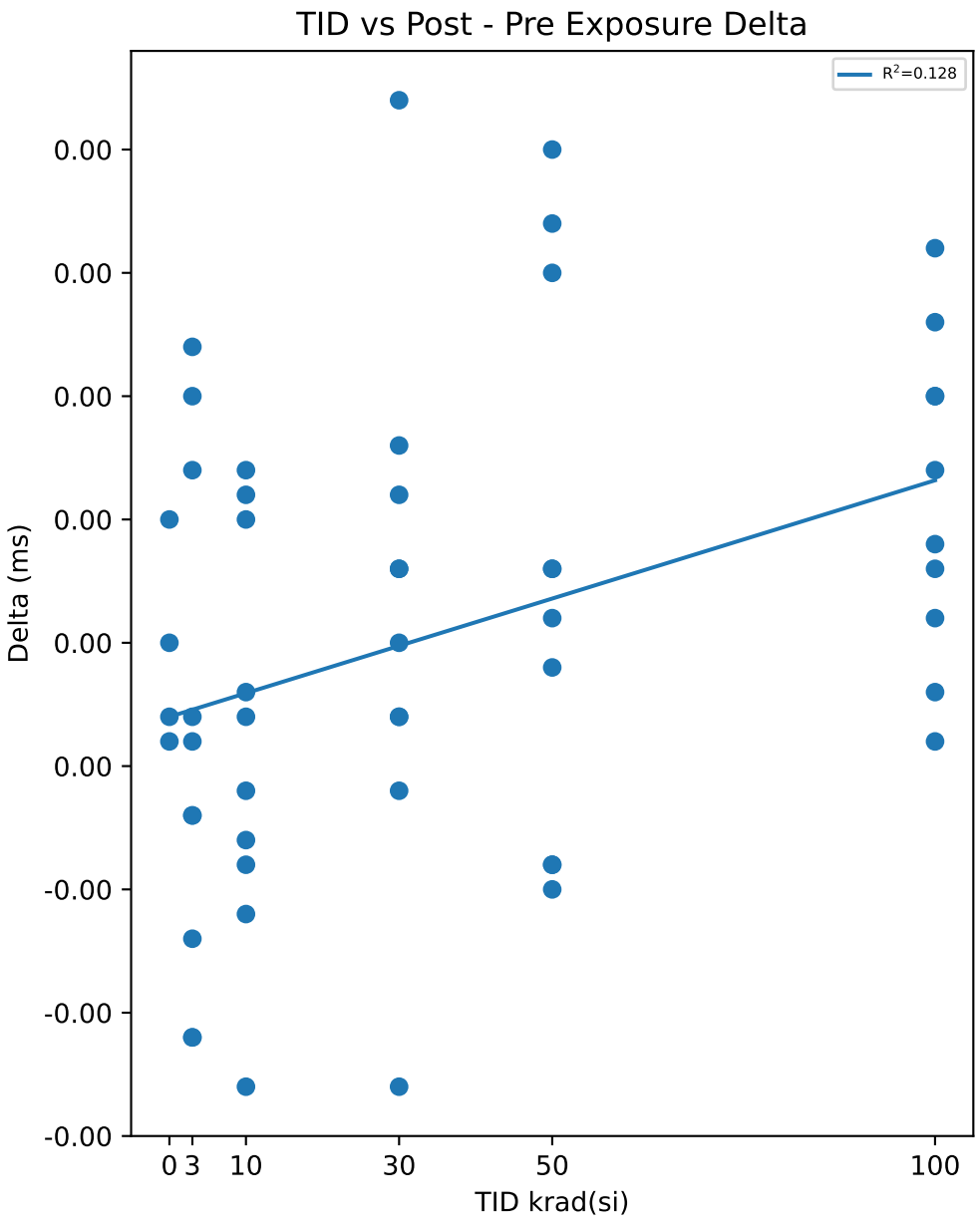
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2615	0.2611	-0.0004
3	3	Biased	0.2589	0.2577	-0.0012
4	3	Biased	0.2601	0.2598	-0.0003
5	3	Biased	0.2697	0.2688	-0.0009
6	3	Biased	0.2671	0.2681	0.001
7	3	Unbiased	0.268	0.2673	-0.0007
8	3	Unbiased	0.2675	0.2689	0.0014
9	3	Unbiased	0.267	0.2659	-0.0011
10	3	Unbiased	0.267	0.2676	0.0006
11	3	Unbiased	0.2591	0.2582	-0.0009
12	10	Unbiased	0.2669	0.2675	0.0006
13	10	Unbiased	0.2621	0.2605	-0.0016
14	10	Unbiased	0.2618	0.2613	-0.0005
15	10	Unbiased	0.2686	0.2676	-0.001
16	10	Unbiased	0.2674	0.2677	0.0003
17	10	Biased	0.2686	0.2687	0.0001
18	10	Biased	0.2682	0.2664	-0.0018
19	10	Biased	0.2606	0.2587	-0.0019
20	10	Biased	0.2657	0.2671	0.0014
21	10	Biased	0.2675	0.268	0.0005
22	30	Biased	0.2596	0.2611	0.0015
23	30	Biased	0.2674	0.268	0.0006
24	30	Biased	0.2607	0.2603	-0.0004
25	30	Biased	0.2667	0.2673	0.0006
26	30	Biased	0.269	0.2691	0.0001
27	30	Unbiased	0.2598	0.2604	0.0006
28	30	Unbiased	0.2666	0.2681	0.0015
29	30	Unbiased	0.268	0.2688	0.0008
30	30	Unbiased	0.2664	0.2666	0.0002
31	30	Unbiased	0.2684	0.2685	0.0001
32	50	Biased	0.261	0.2618	0.0008
33	50	Biased	0.2662	0.2669	0.0007
34	50	Biased	0.2587	0.2604	0.0017
35	50	Biased	0.2619	0.2639	0.002
36	50	Biased	0.2598	0.2621	0.0023
37	50	Unbiased	0.2672	0.267	-0.0002
39	50	Unbiased	0.2679	0.2692	0.0013
40	50	Unbiased	0.2682	0.2667	-0.0015
41	50	Unbiased	0.2669	0.2674	0.0005
42	50	Unbiased	0.267	0.2671	0.0001
43	100	Biased	0.2597	0.261	0.0013
44	100	Biased	0.2775	0.2783	0.0008
45	100	Biased	0.2673	0.2698	0.0025
46	100	Biased	0.2626	0.2625	-0.0001
47	100	Biased	0.2695	0.2695	0
48	100	Unbiased	0.2678	0.2693	0.0015
49	100	Unbiased	0.2672	0.2673	0.0001
50	100	Unbiased	0.26	0.2617	0.0017
51	100	Unbiased	0.2673	0.2672	-0.0001
52	100	Unbiased	0.2685	0.2688	0.0003
53	0	Correlation	0.2672	0.2666	-0.0006
54	0	Correlation	0.2663	0.2666	0.0003
55	0	Correlation	0.2667	0.2668	0.0001
56	0	Correlation	0.2596	0.259	-0.0006

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	0.2596	0.26495	0.2672	0.0035856	0.259	0.26475	0.2668	0.0038345	-0.0006	-0.0002	0.0003	0.00046904
3	0.2589	0.26459	0.2697	0.004168	0.2577	0.26434	0.2689	0.0045892	-0.0012	-0.00025	0.0014	0.00092526
10	0.2606	0.26574	0.2686	0.0030696	0.2587	0.26535	0.2687	0.0036782	-0.0019	-0.00039	0.0014	0.0011455
30	0.2596	0.26526	0.269	0.003708	0.2603	0.26582	0.2691	0.0036772	-0.0004	0.00056	0.0015	0.0006059
50	0.2587	0.26448	0.2682	0.0036844	0.2604	0.26525	0.2692	0.0029572	-0.0015	0.00077	0.0023	0.0011363
100	0.2597	0.26674	0.2775	0.0051703	0.261	0.26754	0.2783	0.0050757	-0.0001	0.0008	0.0025	0.00090921

Device Test: 5.26; DLY_TMR_10KOHM





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

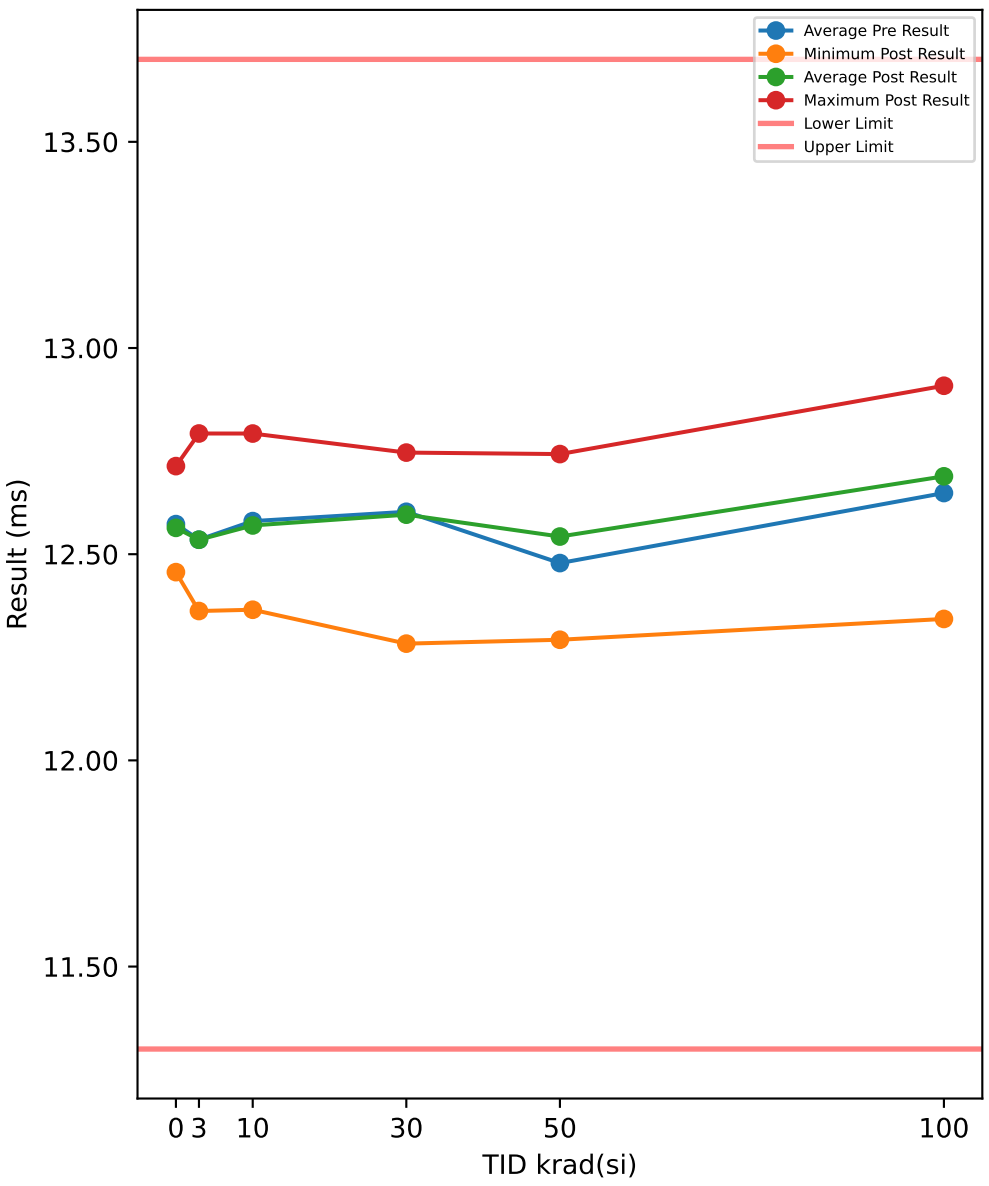
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.261	0.2612	0.0002
3	3	Biased	0.2592	0.2581	-0.0011
4	3	Biased	0.2585	0.26	0.0015
5	3	Biased	0.2692	0.269	-0.0002
6	3	Biased	0.268	0.2669	-0.0011
7	3	Unbiased	0.2679	0.2677	-0.0002
8	3	Unbiased	0.2671	0.2683	0.0012
9	3	Unbiased	0.2671	0.2672	0.0001
10	3	Unbiased	0.2674	0.2667	-0.0007
11	3	Unbiased	0.2581	0.2598	0.0017
12	10	Unbiased	0.2654	0.2664	0.001
13	10	Unbiased	0.2609	0.2612	0.0003
14	10	Unbiased	0.2611	0.2607	-0.0004
15	10	Unbiased	0.2679	0.2678	-0.0001
16	10	Unbiased	0.2678	0.2675	-0.0003
17	10	Biased	0.2691	0.2685	-0.0006
18	10	Biased	0.2669	0.2671	0.0002
19	10	Biased	0.2587	0.2598	0.0011
20	10	Biased	0.2667	0.2654	-0.0013
21	10	Biased	0.2674	0.2686	0.0012
22	30	Biased	0.2599	0.2601	0.0002
23	30	Biased	0.2674	0.2661	-0.0013
24	30	Biased	0.2612	0.2611	-0.0001
25	30	Biased	0.2664	0.2666	0.0002
26	30	Biased	0.2705	0.271	0.0005
27	30	Unbiased	0.2596	0.2623	0.0027
28	30	Unbiased	0.2676	0.2684	0.0008
29	30	Unbiased	0.2674	0.2687	0.0013
30	30	Unbiased	0.2671	0.2679	0.0008
31	30	Unbiased	0.2668	0.2679	0.0011
32	50	Biased	0.261	0.2618	0.0008
33	50	Biased	0.2657	0.2679	0.0022
34	50	Biased	0.2602	0.261	0.0008
35	50	Biased	0.2612	0.2637	0.0025
36	50	Biased	0.2604	0.2608	0.0004
37	50	Unbiased	0.2672	0.2667	-0.0005
39	50	Unbiased	0.2691	0.2687	-0.0004
40	50	Unbiased	0.2662	0.2682	0.002
41	50	Unbiased	0.2685	0.2691	0.0006
42	50	Unbiased	0.2685	0.2681	-0.0004
43	100	Biased	0.26	0.2609	0.0009
44	100	Biased	0.2781	0.2782	0.0001
45	100	Biased	0.2681	0.2699	0.0018
46	100	Biased	0.2619	0.264	0.0021
47	100	Biased	0.2687	0.2702	0.0015
48	100	Unbiased	0.2679	0.2685	0.0006
49	100	Unbiased	0.2656	0.2671	0.0015
50	100	Unbiased	0.2612	0.2615	0.0003
51	100	Unbiased	0.2664	0.2676	0.0012
52	100	Unbiased	0.269	0.2698	0.0008
53	0	Correlation	0.2667	0.2672	0.0005
54	0	Correlation	0.2662	0.2672	0.001
55	0	Correlation	0.2674	0.2676	0.0002
56	0	Correlation	0.2591	0.2592	0.0001

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	0.2591	0.26485	0.2674	0.0038648	0.2592	0.2653	0.2676	0.004071	0.0001	0.00045	0.001	0.00040415
3	0.2581	0.26435	0.2692	0.0045327	0.2581	0.26449	0.269	0.0041768	-0.0011	0.00014	0.0017	0.0010233
10	0.2587	0.26519	0.2691	0.0036029	0.2598	0.2653	0.2686	0.003414	-0.0013	0.00011	0.0012	0.00081438
30	0.2596	0.26539	0.2705	0.0037451	0.2601	0.26601	0.271	0.0036232	-0.0013	0.00062	0.0027	0.0010358
50	0.2602	0.2648	0.2691	0.0036866	0.2608	0.2656	0.2691	0.0033931	-0.0005	0.0008	0.0025	0.0011086
100	0.26	0.26669	0.2781	0.0051868	0.2609	0.26777	0.2782	0.0050009	0.0001	0.00108	0.0021	0.00065286

Device Test: 5.27; DLY_TMR_500KOHM

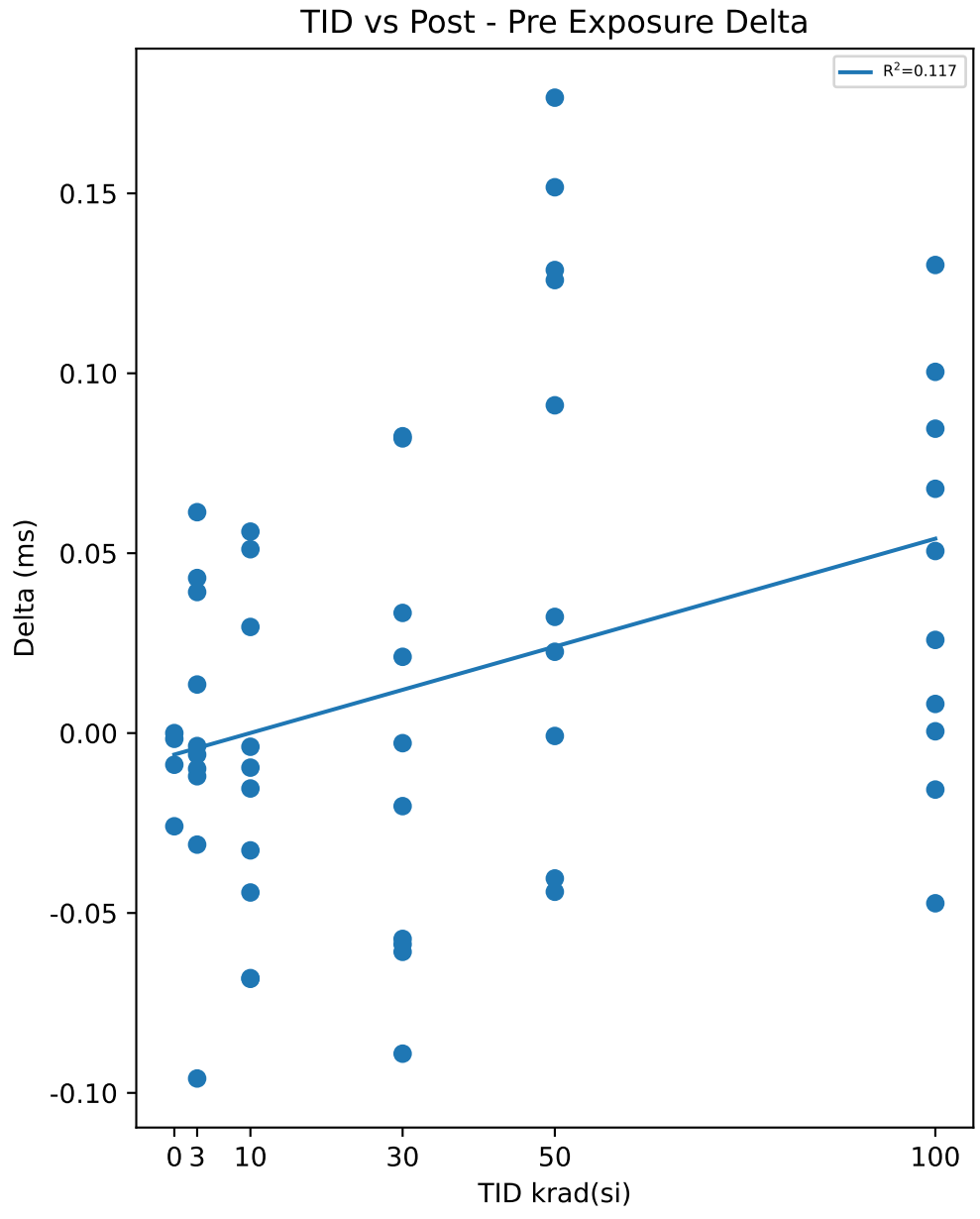
TID vs Result Stats



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

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.48	12.493	0.0135
3	3	Biased	12.434	12.495	0.0614
4	3	Biased	12.366	12.362	-0.0036
5	3	Biased	12.803	12.793	-0.0099
6	3	Biased	12.741	12.645	-0.096
7	3	Unbiased	12.414	12.383	-0.031
8	3	Unbiased	12.735	12.774	0.0392
9	3	Unbiased	12.481	12.469	-0.012
10	3	Unbiased	12.441	12.484	0.0431
11	3	Unbiased	12.459	12.453	-0.006
12	10	Unbiased	12.36	12.39	0.0295
13	10	Unbiased	12.381	12.365	-0.0154
14	10	Unbiased	12.441	12.431	-0.0096
15	10	Unbiased	12.737	12.793	0.056
16	10	Unbiased	12.664	12.715	0.0511
17	10	Biased	12.744	12.7	-0.0443
18	10	Biased	12.606	12.538	-0.0683
19	10	Biased	12.507	12.475	-0.0326
20	10	Biased	12.642	12.574	-0.0681
21	10	Biased	12.721	12.717	-0.0038
22	30	Biased	12.614	12.611	-0.0028
23	30	Biased	12.476	12.419	-0.0572
24	30	Biased	12.303	12.283	-0.0203
25	30	Biased	12.616	12.65	0.0334
26	30	Biased	12.752	12.691	-0.0608
27	30	Unbiased	12.616	12.698	0.0819
28	30	Unbiased	12.714	12.656	-0.0587
29	30	Unbiased	12.55	12.461	-0.0891
30	30	Unbiased	12.662	12.744	0.0825
31	30	Unbiased	12.725	12.746	0.0212
32	50	Biased	12.501	12.592	0.0911
33	50	Biased	12.548	12.7	0.1517
34	50	Biased	12.328	12.504	0.1766
35	50	Biased	12.445	12.571	0.1259
36	50	Biased	12.581	12.614	0.0323
37	50	Unbiased	12.29	12.419	0.1287
39	50	Unbiased	12.653	12.613	-0.0404
40	50	Unbiased	12.425	12.38	-0.0441
41	50	Unbiased	12.293	12.293	-0.0008
42	50	Unbiased	12.72	12.743	0.0226
43	100	Biased	12.595	12.646	0.0506
44	100	Biased	12.841	12.909	0.0679
45	100	Biased	12.771	12.871	0.1004
46	100	Biased	12.726	12.735	0.0081
47	100	Biased	12.795	12.779	-0.0157
48	100	Unbiased	12.715	12.845	0.1301
49	100	Unbiased	12.489	12.442	-0.0473
50	100	Unbiased	12.317	12.343	0.0259
51	100	Unbiased	12.516	12.601	0.0846
52	100	Unbiased	12.718	12.719	0.0005
53	0	Correlation	12.739	12.714	-0.0259
54	0	Correlation	12.543	12.542	-0.0016
55	0	Correlation	12.544	12.544	0
56	0	Correlation	12.465	12.457	-0.0088

TID vs Post - Pre Exposure Delta

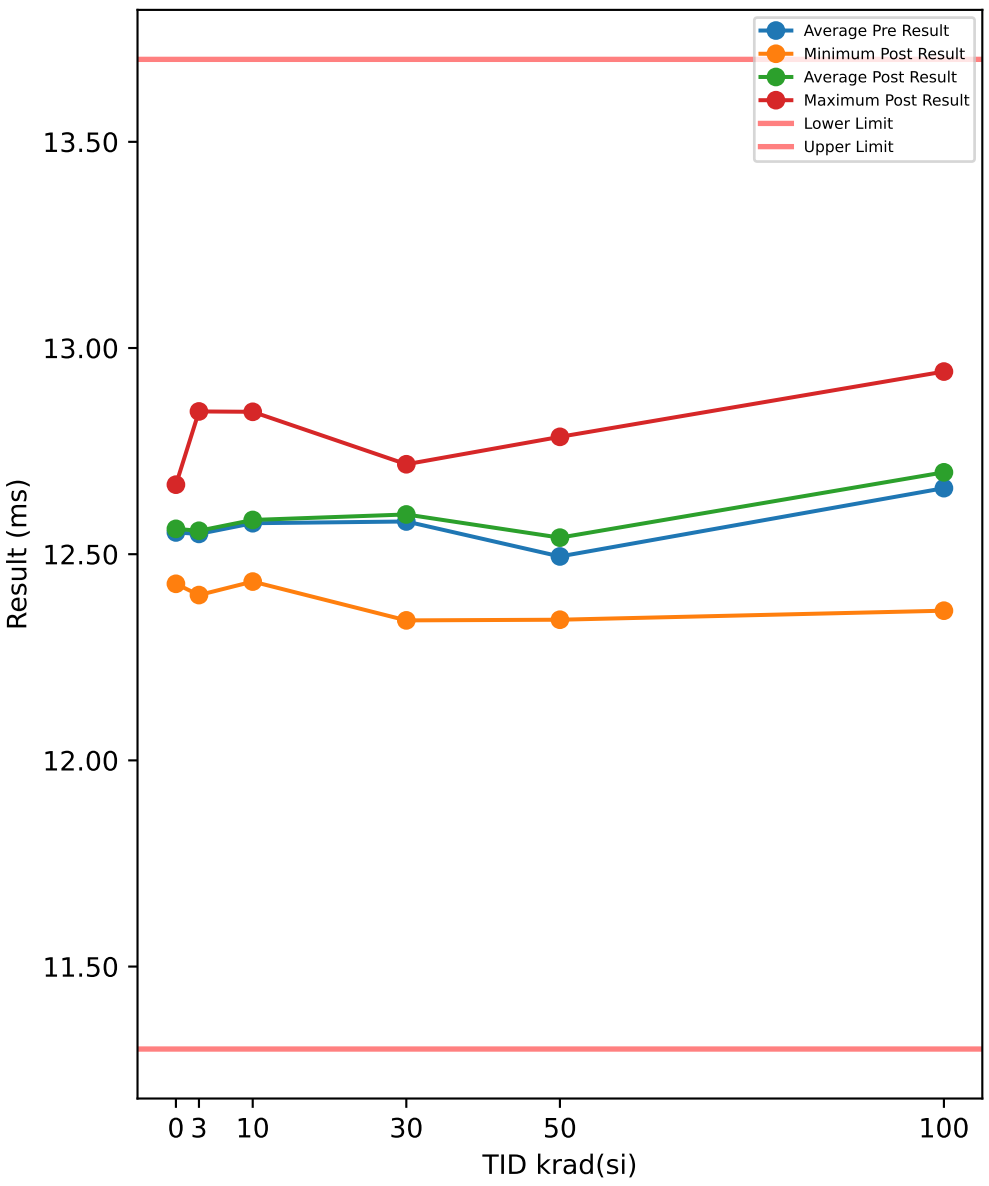


Test Statistics (ms)

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	12.465	12.573	12.739	0.11699	12.457	12.564	12.714	0.10777	-0.0259	-0.009075	0	0.011852
3	12.366	12.535	12.803	0.15919	12.362	12.535	12.793	0.15115	-0.096	-0.00013	0.0614	0.04449
10	12.36	12.58	12.744	0.14751	12.365	12.57	12.793	0.15389	-0.0683	-0.01055	0.056	0.044939
30	12.303	12.603	12.752	0.13423	12.283	12.596	12.746	0.15574	-0.0891	-0.00699	0.0825	0.060885
50	12.29	12.478	12.72	0.14966	12.293	12.543	12.743	0.14289	-0.0441	0.06436	0.1766	0.080708
100	12.317	12.648	12.841	0.1647	12.343	12.689	12.909	0.18475	-0.0473	0.04051	0.1301	0.055921

Device Test: 5.28; DLY_TMR_500KOHM

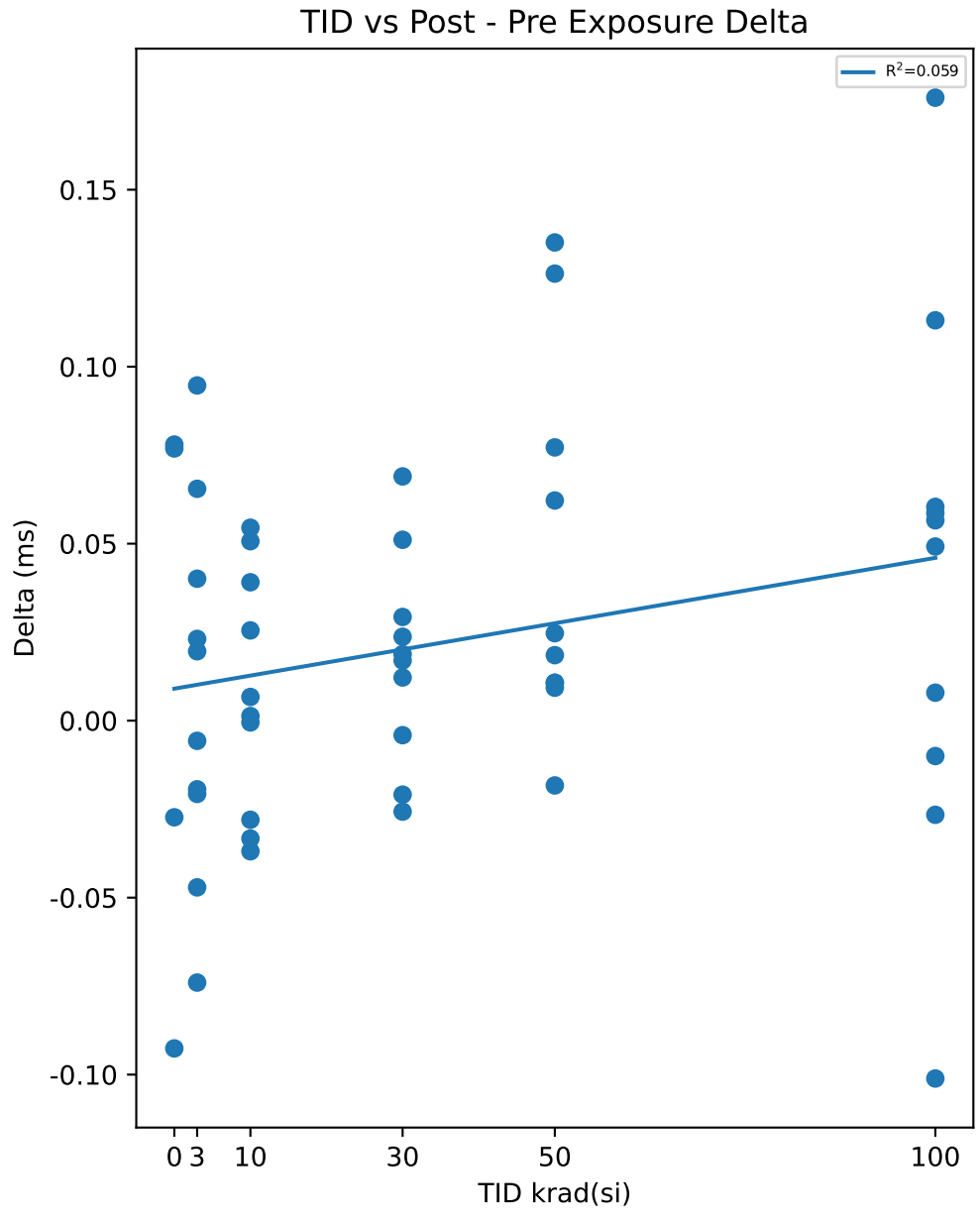
TID vs Result Stats



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

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.438	12.532	0.0947
3	3	Biased	12.488	12.508	0.0196
4	3	Biased	12.422	12.401	-0.0207
5	3	Biased	12.852	12.846	-0.0057
6	3	Biased	12.694	12.674	-0.0194
7	3	Unbiased	12.469	12.422	-0.0471
8	3	Unbiased	12.69	12.73	0.0401
9	3	Unbiased	12.437	12.503	0.0655
10	3	Unbiased	12.487	12.51	0.0231
11	3	Unbiased	12.515	12.441	-0.074
12	10	Unbiased	12.415	12.441	0.0255
13	10	Unbiased	12.437	12.437	-0.0005
14	10	Unbiased	12.483	12.485	0.0013
15	10	Unbiased	12.791	12.845	0.0545
16	10	Unbiased	12.621	12.671	0.0507
17	10	Biased	12.7	12.739	0.0391
18	10	Biased	12.562	12.525	-0.0369
19	10	Biased	12.467	12.434	-0.0333
20	10	Biased	12.598	12.605	0.0067
21	10	Biased	12.677	12.649	-0.028
22	30	Biased	12.57	12.587	0.017
23	30	Biased	12.438	12.49	0.0511
24	30	Biased	12.36	12.339	-0.0209
25	30	Biased	12.574	12.593	0.0188
26	30	Biased	12.706	12.718	0.0122
27	30	Unbiased	12.57	12.639	0.069
28	30	Unbiased	12.671	12.667	-0.0041
29	30	Unbiased	12.506	12.535	0.0293
30	30	Unbiased	12.717	12.691	-0.0257
31	30	Unbiased	12.68	12.704	0.0237
32	50	Biased	12.458	12.535	0.0772
33	50	Biased	12.521	12.656	0.1351
34	50	Biased	12.382	12.508	0.1263
35	50	Biased	12.5	12.525	0.0247
36	50	Biased	12.54	12.551	0.0107
37	50	Unbiased	12.346	12.408	0.0622
39	50	Unbiased	12.611	12.63	0.0185
40	50	Unbiased	12.48	12.462	-0.0183
41	50	Unbiased	12.33	12.341	0.0107
42	50	Unbiased	12.775	12.785	0.0093
43	100	Biased	12.552	12.601	0.0492
44	100	Biased	12.886	12.943	0.0566
45	100	Biased	12.825	12.938	0.1131
46	100	Biased	12.682	12.69	0.0079
47	100	Biased	12.835	12.808	-0.0266
48	100	Unbiased	12.672	12.848	0.176
49	100	Unbiased	12.435	12.495	0.0604
50	100	Unbiased	12.373	12.363	-0.01
51	100	Unbiased	12.568	12.626	0.0586
52	100	Unbiased	12.774	12.673	-0.1011
53	0	Correlation	12.696	12.669	-0.0273
54	0	Correlation	12.494	12.572	0.078
55	0	Correlation	12.5	12.577	0.0769
56	0	Correlation	12.521	12.428	-0.0926

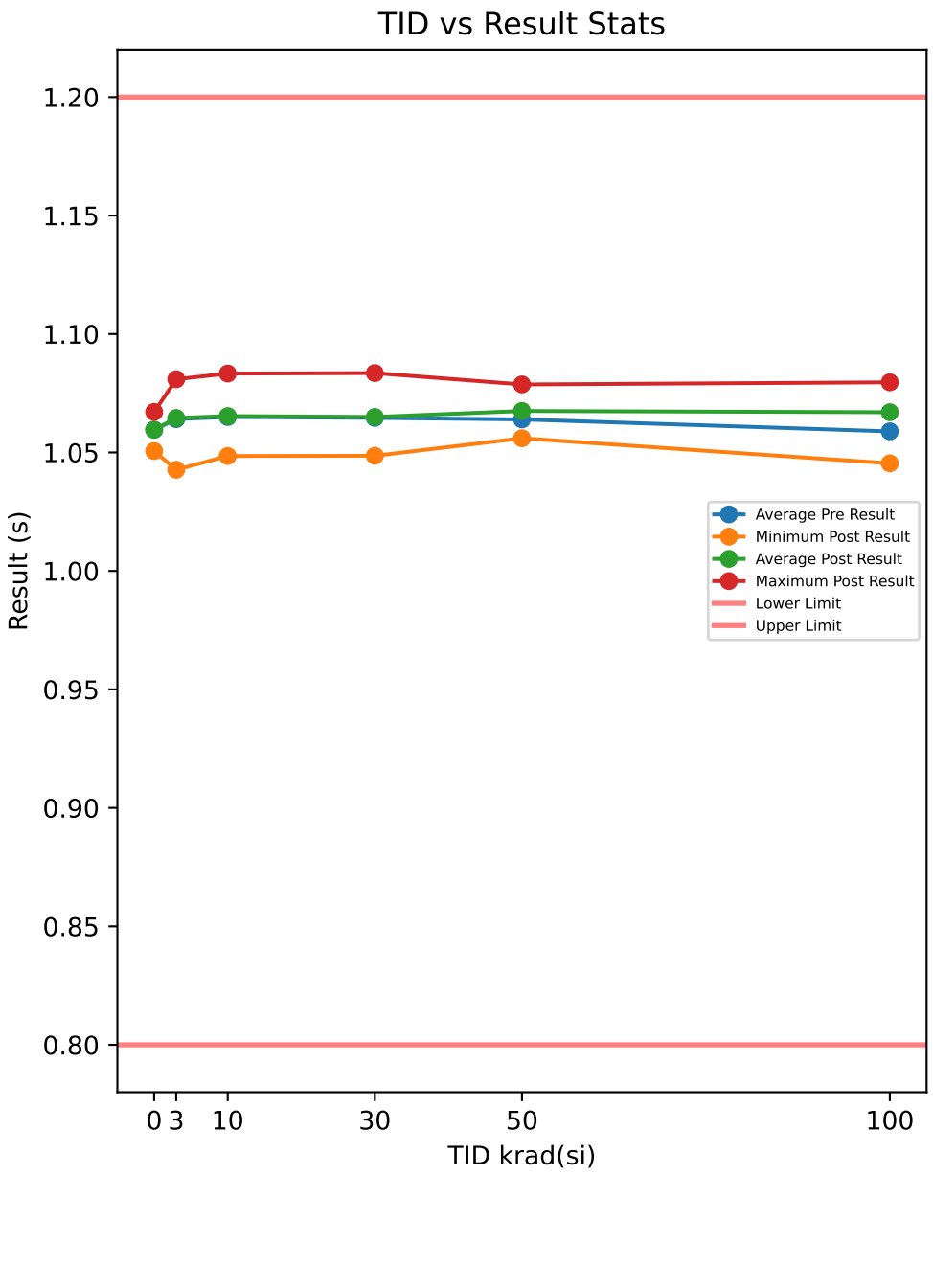
TID vs Post - Pre Exposure Delta

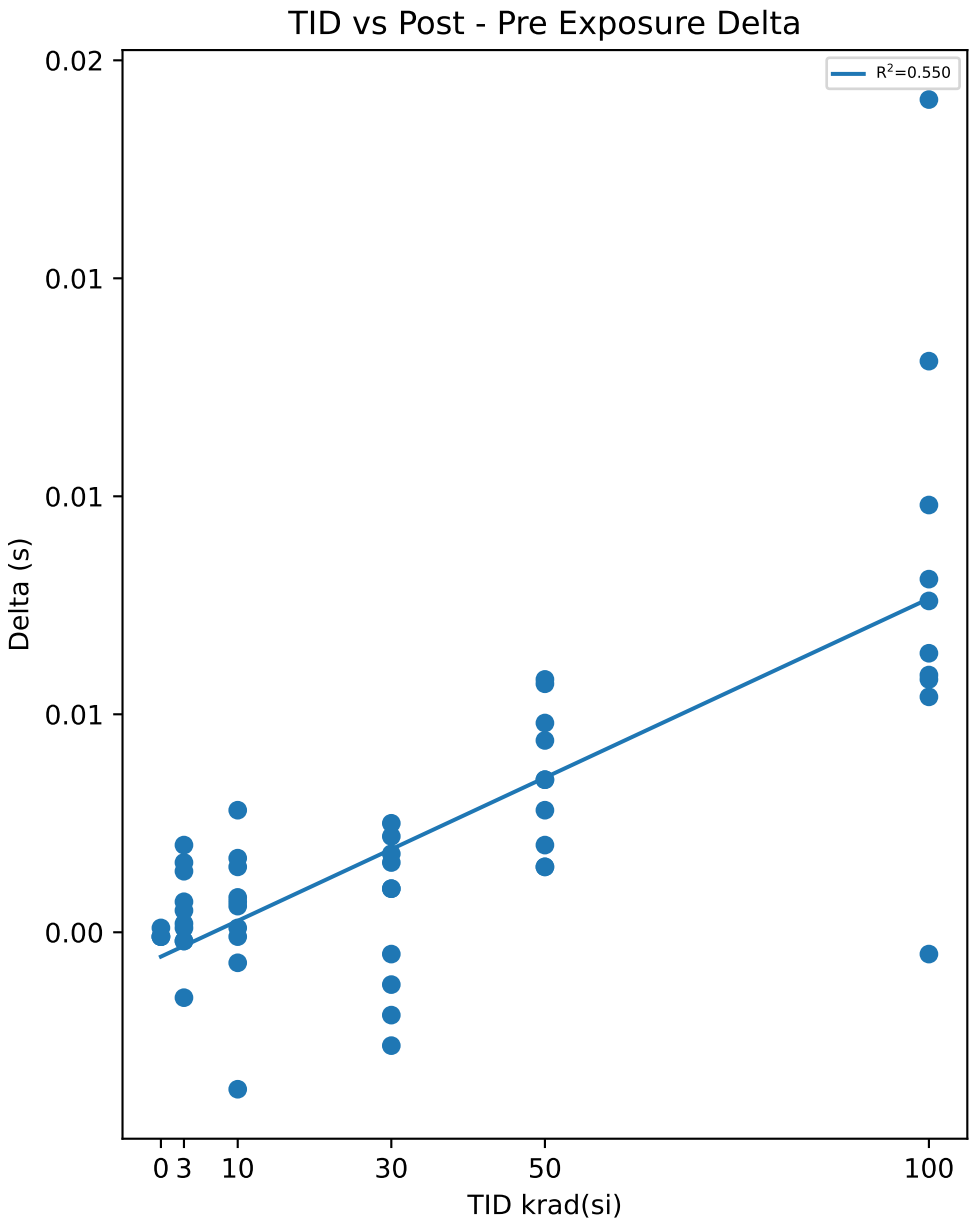


Test Statistics (ms)

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	12.494	12.553	12.696	0.096139	12.428	12.561	12.669	0.099323	-0.0926	0.00875	0.078	0.083689
3	12.422	12.549	12.852	0.14481	12.401	12.557	12.846	0.14591	-0.074	0.00761	0.0947	0.051356
10	12.415	12.575	12.791	0.12463	12.434	12.583	12.845	0.14244	-0.0369	0.00791	0.0545	0.033986
30	12.36	12.579	12.717	0.11871	12.339	12.596	12.718	0.1171	-0.0257	0.01704	0.069	0.029428
50	12.33	12.495	12.775	0.1327	12.341	12.54	12.785	0.12729	-0.0183	0.04564	0.1351	0.052499
100	12.373	12.66	12.886	0.17512	12.363	12.699	12.943	0.18879	-0.1011	0.03841	0.176	0.076603

Device Test: 5.29; WD_TMR_500KOHM





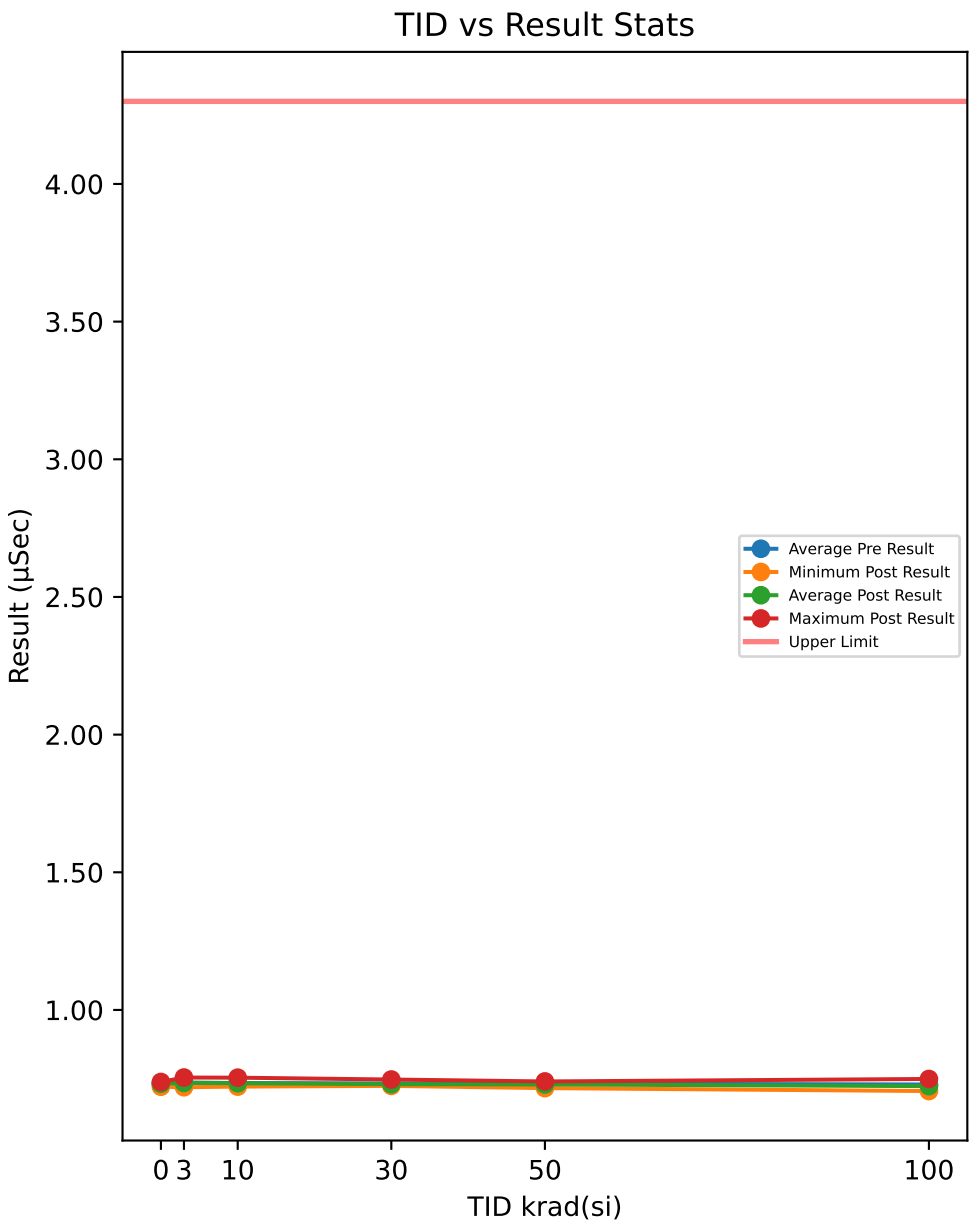
Test Results (Lower Limit = 0.8, Upper Limit = 1.2 (s))

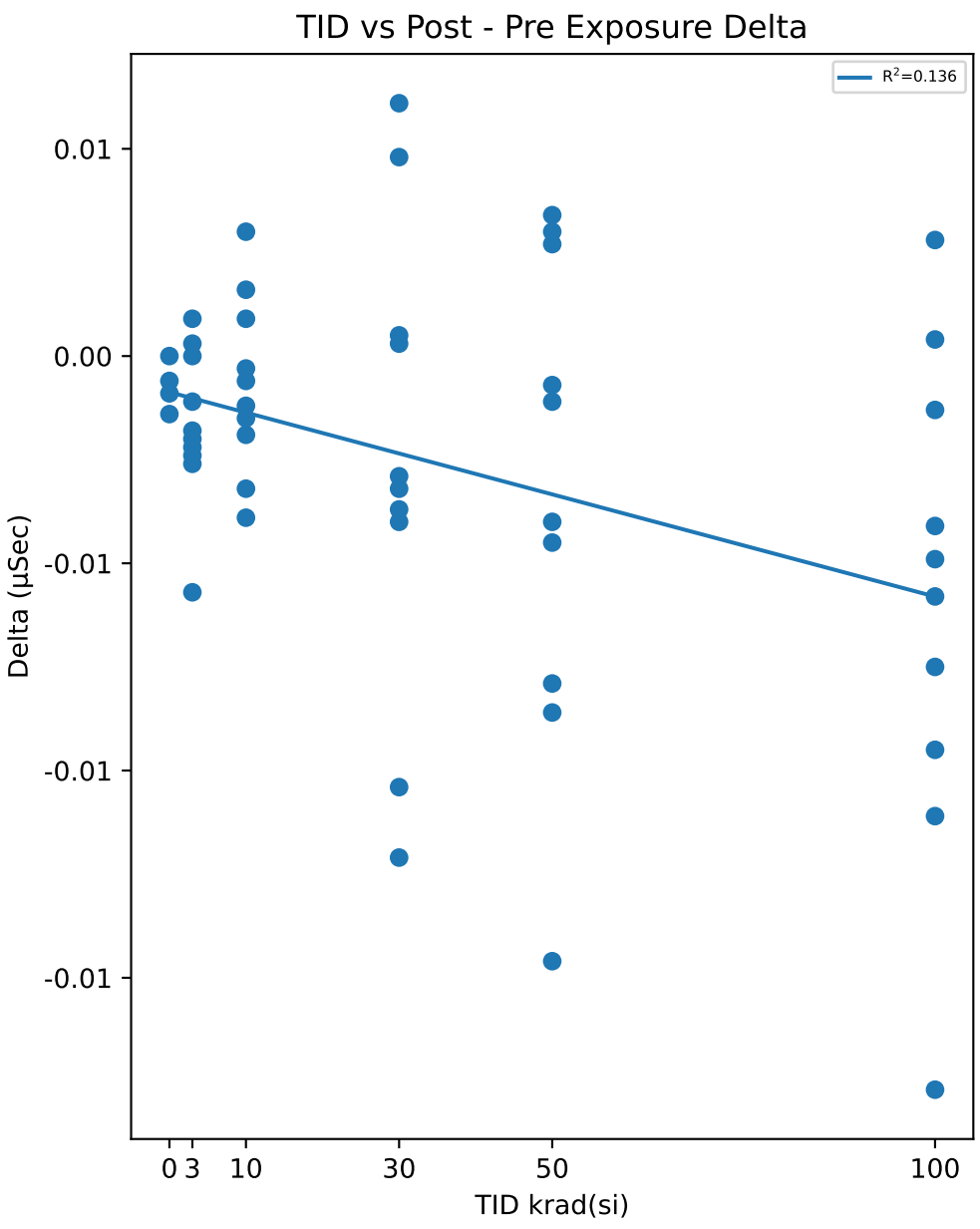
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.0653	1.066	0.0007
3	3	Biased	1.0671	1.0672	0.0001
4	3	Biased	1.0668	1.0666	-0.0002
5	3	Biased	1.0411	1.0427	0.0016
6	3	Biased	1.0789	1.0809	0.002
7	3	Unbiased	1.0608	1.0593	-0.0015
8	3	Unbiased	1.0563	1.0577	0.0014
9	3	Unbiased	1.0712	1.0717	0.0005
10	3	Unbiased	1.0655	1.0653	-0.0002
11	3	Unbiased	1.0678	1.068	0.0002
12	10	Unbiased	1.0644	1.0608	-0.0036
13	10	Unbiased	1.0834	1.0833	-0.0001
14	10	Unbiased	1.0616	1.0633	0.0017
15	10	Unbiased	1.055	1.0556	0.0006
16	10	Unbiased	1.0559	1.0574	0.0015
17	10	Biased	1.0688	1.0716	0.0028
18	10	Biased	1.0478	1.0485	0.0007
19	10	Biased	1.0719	1.072	0.0001
20	10	Biased	1.0651	1.0644	-0.0007
21	10	Biased	1.0759	1.0767	0.0008
22	30	Biased	1.0519	1.0514	-0.0005
23	30	Biased	1.0498	1.0486	-0.0012
24	30	Biased	1.0861	1.0835	-0.0026
25	30	Biased	1.0571	1.0589	0.0018
26	30	Biased	1.0696	1.0706	0.001
27	30	Unbiased	1.0671	1.0681	0.001
28	30	Unbiased	1.0767	1.0783	0.0016
29	30	Unbiased	1.0579	1.0604	0.0025
30	30	Unbiased	1.0641	1.0663	0.0022
31	30	Unbiased	1.0657	1.0638	-0.0019
32	50	Biased	1.0548	1.0592	0.0044
33	50	Biased	1.0532	1.056	0.0028
34	50	Biased	1.062	1.0655	0.0035
35	50	Biased	1.0658	1.0693	0.0035
36	50	Biased	1.0718	1.0738	0.002
37	50	Unbiased	1.0649	1.0707	0.0058
39	50	Unbiased	1.0583	1.0598	0.0015
40	50	Unbiased	1.0651	1.0666	0.0015
41	50	Unbiased	1.0739	1.0787	0.0048
42	50	Unbiased	1.0697	1.0754	0.0057
43	100	Biased	1.0495	1.0626	0.0131
44	100	Biased	1.0685	1.068	-0.0005
45	100	Biased	1.0676	1.0774	0.0098
46	100	Biased	1.0518	1.0576	0.0058
47	100	Biased	1.0622	1.0698	0.0076
48	100	Unbiased	1.0637	1.0691	0.0054
49	100	Unbiased	1.0668	1.0732	0.0064
50	100	Unbiased	1.059	1.0671	0.0081
51	100	Unbiased	1.0605	1.0796	0.0191
52	100	Unbiased	1.0395	1.0454	0.0059
53	0	Correlation	1.0672	1.0671	-0.0001
54	0	Correlation	1.0507	1.0506	-0.0001
55	0	Correlation	1.0558	1.0557	-0.0001
56	0	Correlation	1.0647	1.0648	0.0001

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	1.0507	1.0596	1.0672	0.0076903	1.0506	1.0595	1.0671	0.007735	-0.0001	-5e-05	0.0001	0.0001
3	1.0411	1.0641	1.0789	0.01002	1.0427	1.0645	1.0809	0.0099786	-0.0015	0.00046	0.002	0.0010287
10	1.0478	1.065	1.0834	0.010593	1.0485	1.0654	1.0833	0.010553	-0.0036	0.00038	0.0028	0.0017158
30	1.0498	1.0646	1.0861	0.01117	1.0486	1.065	1.0835	0.010932	-0.0026	0.00039	0.0025	0.0018083
50	1.0532	1.0639	1.0739	0.006947	1.056	1.0675	1.0787	0.0075001	0.0015	0.00355	0.0058	0.0016106
100	1.0395	1.0589	1.0685	0.0093208	1.0454	1.067	1.0796	0.0099605	-0.0005	0.00807	0.0191	0.0052004

Device Test: 5.3; PROPD_PWRGD





Test Results (Upper Limit = 4.3 (µSec))

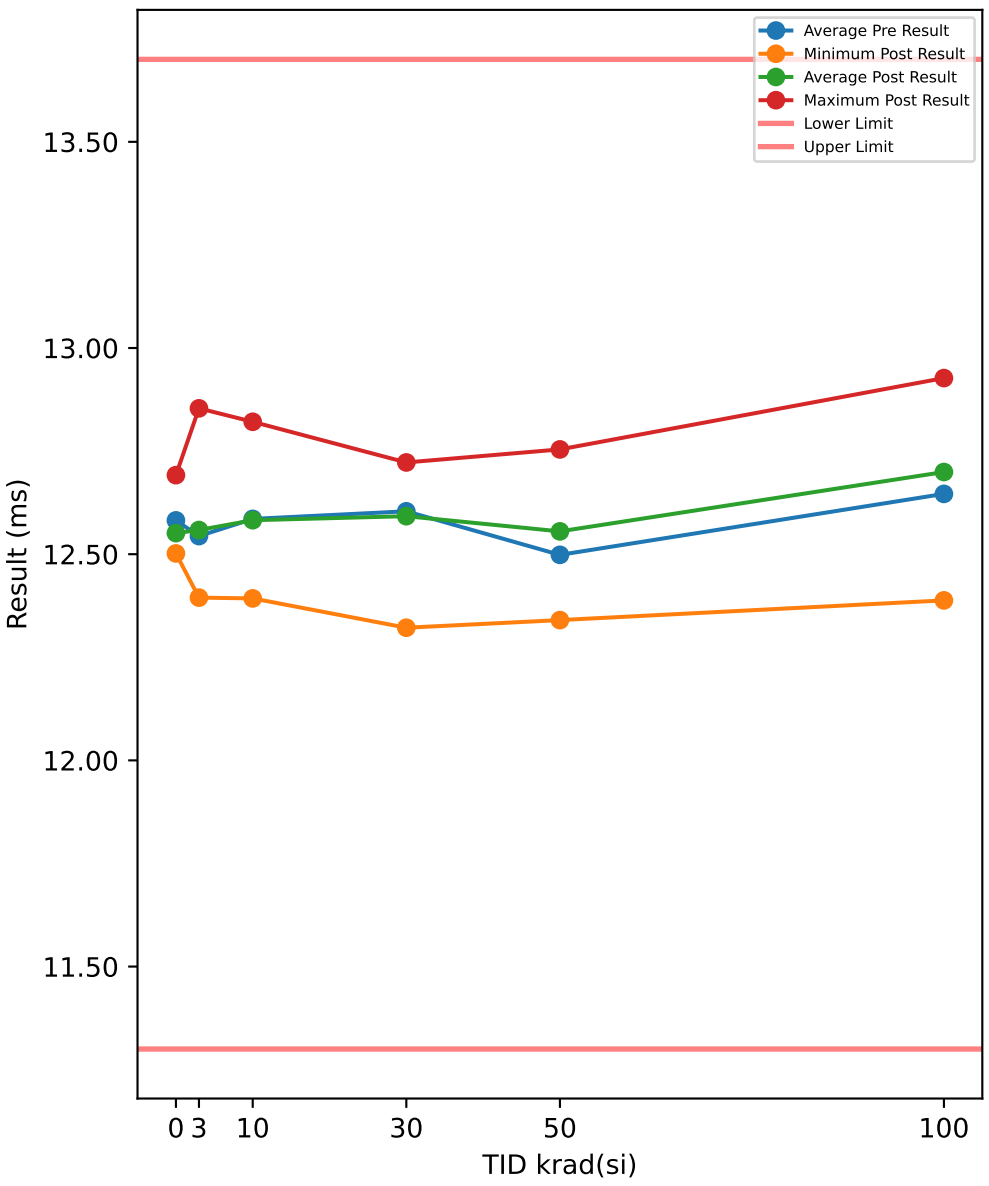
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7403	0.7379	-0.0024
3	3	Biased	0.736	0.734	-0.002
4	3	Biased	0.7567	0.7545	-0.0022
5	3	Biased	0.7347	0.729	-0.0057
6	3	Biased	0.7221	0.723	0.0009
7	3	Unbiased	0.7367	0.7341	-0.0026
8	3	Unbiased	0.7337	0.7319	-0.0018
9	3	Unbiased	0.7395	0.7395	0
10	3	Unbiased	0.7452	0.7455	0.0003
11	3	Unbiased	0.7204	0.7193	-0.0011
12	10	Unbiased	0.7233	0.7263	0.003
13	10	Unbiased	0.7342	0.7336	-0.0006
14	10	Unbiased	0.727	0.7231	-0.0039
15	10	Unbiased	0.7453	0.7438	-0.0015
16	10	Unbiased	0.7311	0.7299	-0.0012
17	10	Biased	0.7388	0.7397	0.0009
18	10	Biased	0.7293	0.729	-0.0003
19	10	Biased	0.7572	0.754	-0.0032
20	10	Biased	0.7363	0.7379	0.0016
21	10	Biased	0.7235	0.7216	-0.0019
22	30	Biased	0.7274	0.7242	-0.0032
23	30	Biased	0.7425	0.7473	0.0048
24	30	Biased	0.73	0.7303	0.0003
25	30	Biased	0.7287	0.7258	-0.0029
26	30	Biased	0.7249	0.7254	0.0005
27	30	Unbiased	0.7416	0.7376	-0.004
28	30	Unbiased	0.7393	0.7289	-0.0104
29	30	Unbiased	0.731	0.7273	-0.0037
30	30	Unbiased	0.7393	0.7272	-0.0121
31	30	Unbiased	0.7242	0.7303	0.0061
32	50	Biased	0.7411	0.7265	-0.0146
33	50	Biased	0.7315	0.7349	0.0034
34	50	Biased	0.7414	0.7403	-0.0011
35	50	Biased	0.7189	0.7216	0.0027
36	50	Biased	0.7338	0.7252	-0.0086
37	50	Unbiased	0.7206	0.7161	-0.0045
39	50	Unbiased	0.7327	0.7357	0.003
40	50	Unbiased	0.7376	0.7369	-0.0007
41	50	Unbiased	0.7325	0.7285	-0.004
42	50	Unbiased	0.7363	0.7284	-0.0079
43	100	Biased	0.7271	0.7222	-0.0049
44	100	Biased	0.7229	0.7171	-0.0058
45	100	Biased	0.713	0.7055	-0.0075
46	100	Biased	0.7465	0.7493	0.0028
47	100	Biased	0.7276	0.7263	-0.0013
48	100	Unbiased	0.7234	0.7139	-0.0095
49	100	Unbiased	0.7292	0.7181	-0.0111
50	100	Unbiased	0.7385	0.7208	-0.0177
51	100	Unbiased	0.737	0.7329	-0.0041
52	100	Unbiased	0.7269	0.7273	0.0004
53	0	Correlation	0.7221	0.7212	-0.0009
54	0	Correlation	0.739	0.7384	-0.0006
55	0	Correlation	0.733	0.733	0
56	0	Correlation	0.7376	0.7362	-0.0014

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7221	0.73293	0.739	0.0076583	0.7212	0.7322	0.7384	0.0076612	-0.0014	-0.000725	0	0.00058523
3	0.7204	0.73653	0.7567	0.010462	0.7193	0.73487	0.7545	0.010311	-0.0057	-0.00166	0.0009	0.0018751
10	0.7233	0.7346	0.7572	0.010514	0.7216	0.73389	0.754	0.010096	-0.0039	-0.00071	0.003	0.0021221
30	0.7242	0.73289	0.7425	0.0070661	0.7242	0.73043	0.7473	0.007025	-0.0121	-0.00246	0.0061	0.0058021
50	0.7189	0.73264	0.7414	0.0076211	0.7161	0.72941	0.7403	0.0075321	-0.0146	-0.00323	0.0034	0.0058784
100	0.713	0.72921	0.7465	0.0093965	0.7055	0.72334	0.7493	0.011885	-0.0177	-0.00587	0.0028	0.0059868

Device Test: 5.30; DLY_TMR_500KOHM

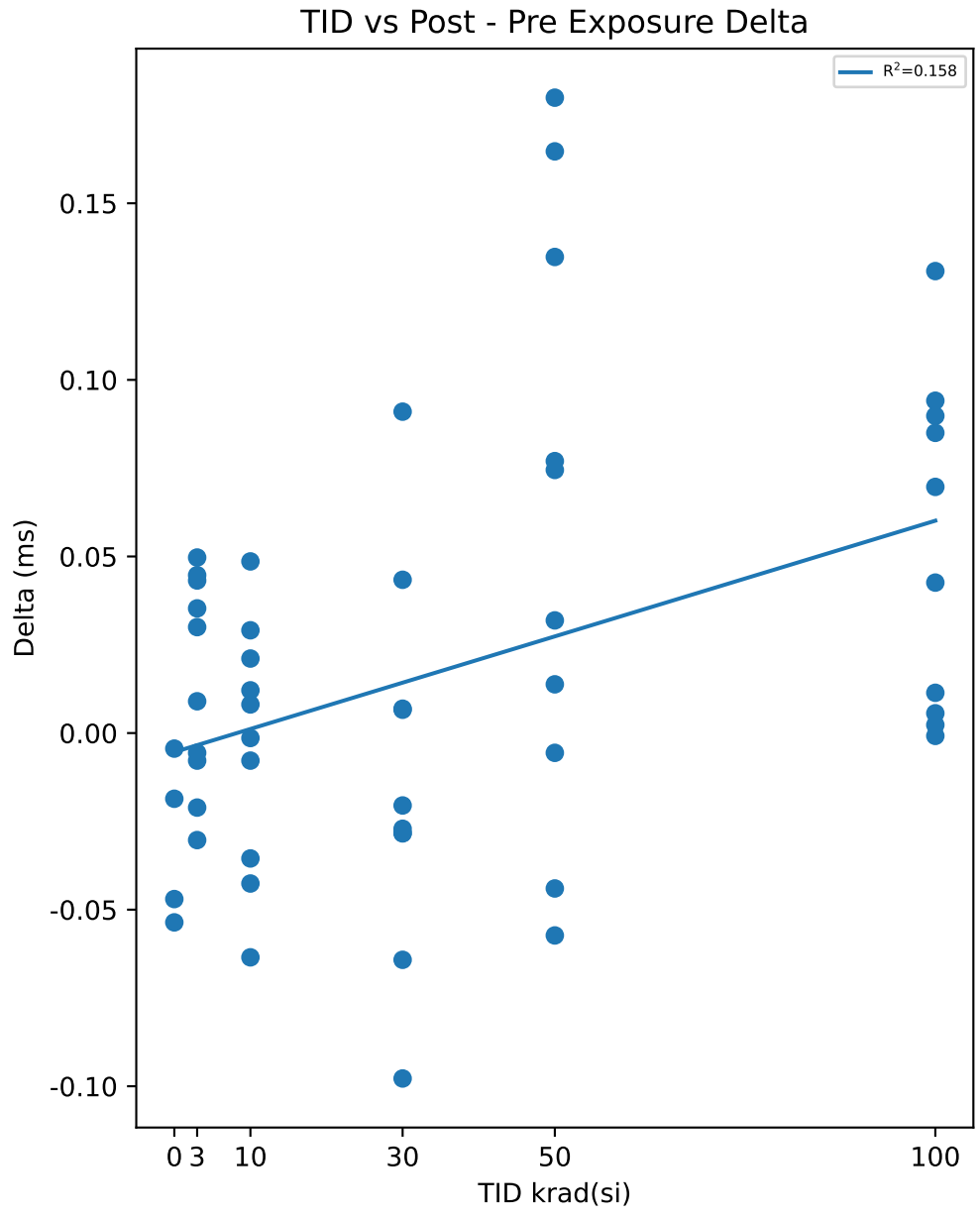
TID vs Result Stats



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

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.514	12.493	-0.0211
3	3	Biased	12.475	12.444	-0.0303
4	3	Biased	12.367	12.411	0.0447
5	3	Biased	12.81	12.854	0.0432
6	3	Biased	12.715	12.707	-0.0078
7	3	Unbiased	12.4	12.395	-0.0056
8	3	Unbiased	12.68	12.71	0.03
9	3	Unbiased	12.501	12.51	0.009
10	3	Unbiased	12.482	12.531	0.0497
11	3	Unbiased	12.495	12.53	0.0353
12	10	Unbiased	12.403	12.425	0.0211
13	10	Unbiased	12.456	12.393	-0.0635
14	10	Unbiased	12.415	12.427	0.0121
15	10	Unbiased	12.813	12.821	0.0081
16	10	Unbiased	12.622	12.67	0.0486
17	10	Biased	12.689	12.719	0.0291
18	10	Biased	12.593	12.586	-0.0078
19	10	Biased	12.559	12.523	-0.0355
20	10	Biased	12.629	12.587	-0.0426
21	10	Biased	12.676	12.674	-0.0014
22	30	Biased	12.632	12.568	-0.0642
23	30	Biased	12.448	12.454	0.0066
24	30	Biased	12.342	12.322	-0.0205
25	30	Biased	12.635	12.642	0.0069
26	30	Biased	12.751	12.723	-0.0284
27	30	Unbiased	12.602	12.693	0.091
28	30	Unbiased	12.631	12.674	0.0434
29	30	Unbiased	12.549	12.451	-0.0978
30	30	Unbiased	12.729	12.701	-0.0283
31	30	Unbiased	12.722	12.695	-0.0271
32	50	Biased	12.483	12.56	0.077
33	50	Biased	12.543	12.708	0.1647
34	50	Biased	12.368	12.503	0.1348
35	50	Biased	12.415	12.595	0.1799
36	50	Biased	12.609	12.623	0.0138
37	50	Unbiased	12.353	12.385	0.0319
39	50	Unbiased	12.671	12.613	-0.0573
40	50	Unbiased	12.398	12.472	0.0745
41	50	Unbiased	12.346	12.34	-0.0056
42	50	Unbiased	12.798	12.754	-0.044
43	100	Biased	12.613	12.655	0.0426
44	100	Biased	12.822	12.892	0.0697
45	100	Biased	12.837	12.927	0.0898
46	100	Biased	12.675	12.686	0.0114
47	100	Biased	12.768	12.853	0.085
48	100	Unbiased	12.674	12.804	0.1308
49	100	Unbiased	12.481	12.486	0.0056
50	100	Unbiased	12.386	12.388	0.0023
51	100	Unbiased	12.488	12.582	0.0941
52	100	Unbiased	12.72	12.719	-0.0008
53	0	Correlation	12.696	12.692	-0.0044
54	0	Correlation	12.561	12.507	-0.0536
55	0	Correlation	12.549	12.502	-0.047
56	0	Correlation	12.522	12.504	-0.0186

TID vs Post - Pre Exposure Delta

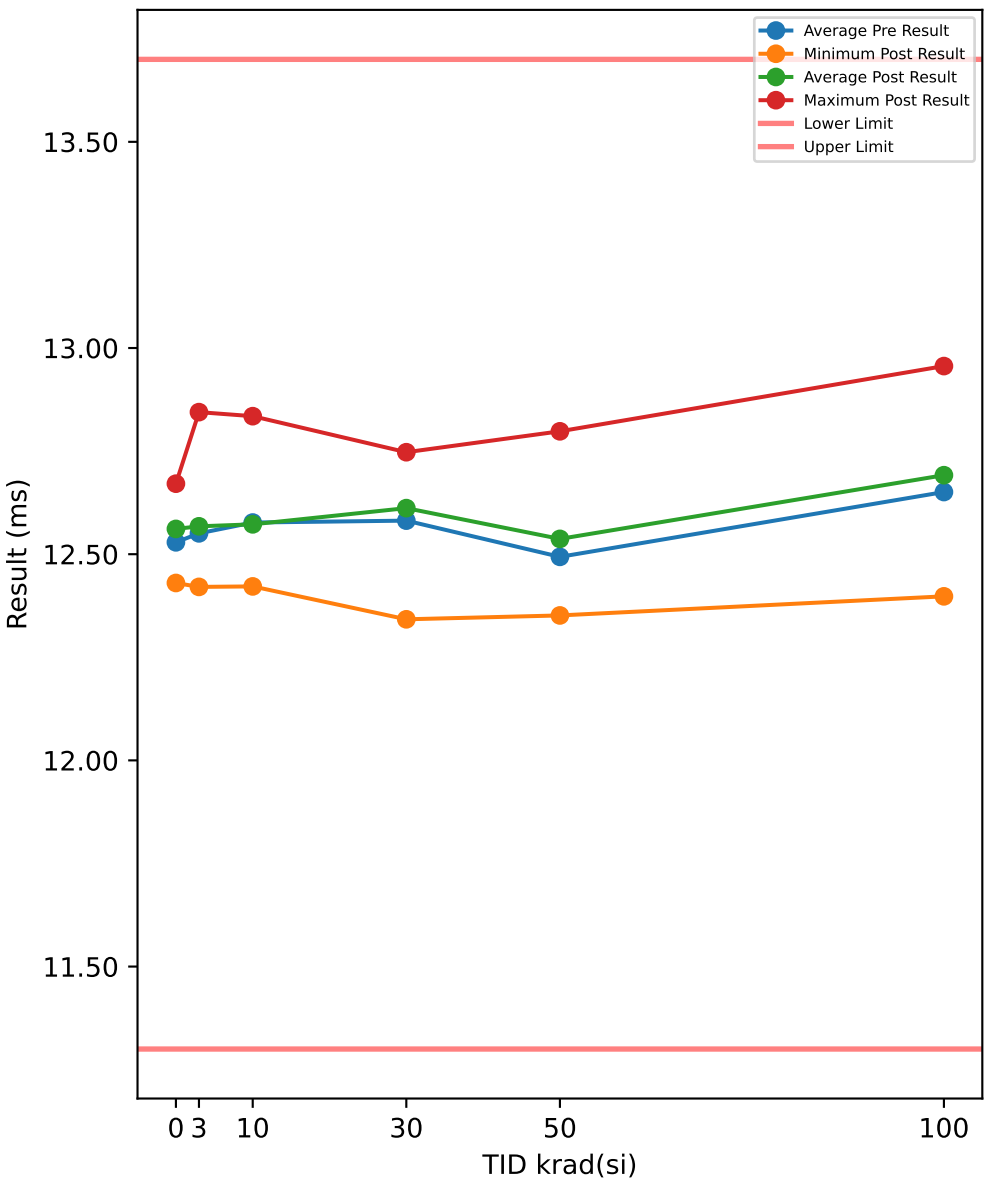


Test Statistics (ms)

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	12.522	12.582	12.696	0.077734	12.502	12.551	12.692	0.093742	-0.0536	-0.0309	-0.0044	0.023295
3	12.367	12.544	12.81	0.14325	12.395	12.559	12.854	0.14975	-0.0303	0.01471	0.0497	0.029539
10	12.403	12.586	12.813	0.13061	12.393	12.582	12.821	0.14147	-0.0635	-0.00318	0.0486	0.034857
30	12.342	12.604	12.751	0.12895	12.322	12.592	12.723	0.13802	-0.0978	-0.01184	0.091	0.053022
50	12.346	12.498	12.798	0.15365	12.34	12.555	12.754	0.13214	-0.0573	0.05697	0.1799	0.083761
100	12.386	12.646	12.837	0.153	12.388	12.699	12.927	0.17707	-0.0008	0.05305	0.1308	0.047081

Device Test: 5.31; DLY_TMR_500KOHM

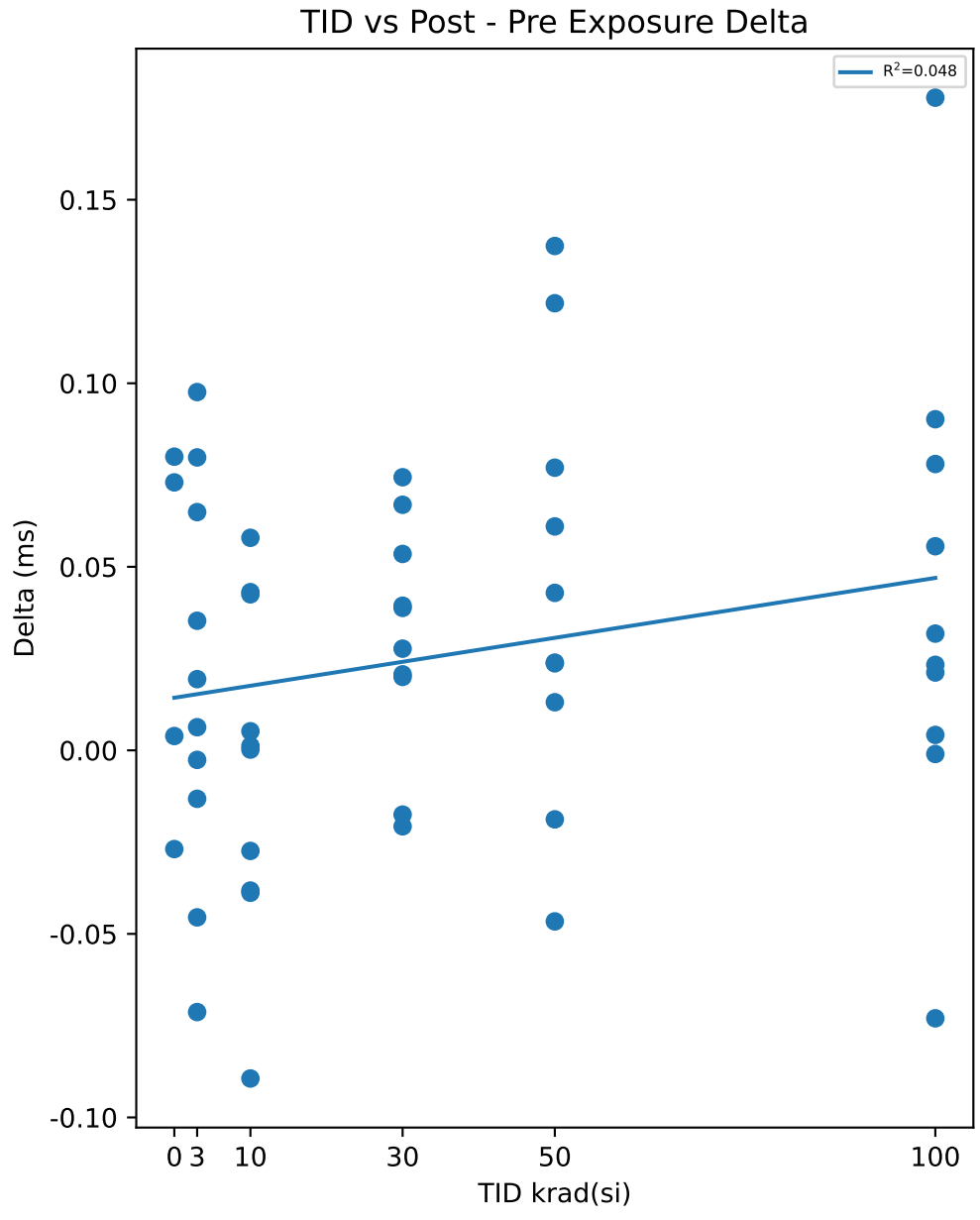
TID vs Result Stats



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

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.438	12.535	0.0976
3	3	Biased	12.491	12.511	0.0194
4	3	Biased	12.423	12.421	-0.0026
5	3	Biased	12.858	12.845	-0.0132
6	3	Biased	12.694	12.701	0.0063
7	3	Unbiased	12.468	12.422	-0.0455
8	3	Unbiased	12.689	12.754	0.0649
9	3	Unbiased	12.44	12.52	0.0798
10	3	Unbiased	12.491	12.526	0.0353
11	3	Unbiased	12.514	12.442	-0.0713
12	10	Unbiased	12.417	12.422	0.0052
13	10	Unbiased	12.437	12.438	0.0002
14	10	Unbiased	12.499	12.461	-0.0382
15	10	Unbiased	12.792	12.835	0.0431
16	10	Unbiased	12.624	12.666	0.0425
17	10	Biased	12.699	12.757	0.0579
18	10	Biased	12.564	12.525	-0.0388
19	10	Biased	12.464	12.436	-0.0274
20	10	Biased	12.6	12.51	-0.0894
21	10	Biased	12.672	12.674	0.0012
22	30	Biased	12.573	12.647	0.0744
23	30	Biased	12.438	12.491	0.0535
24	30	Biased	12.363	12.342	-0.0207
25	30	Biased	12.575	12.595	0.02
26	30	Biased	12.709	12.747	0.0388
27	30	Unbiased	12.576	12.643	0.0669
28	30	Unbiased	12.673	12.713	0.0394
29	30	Unbiased	12.507	12.535	0.0277
30	30	Unbiased	12.719	12.701	-0.0175
31	30	Unbiased	12.682	12.703	0.0207
32	50	Biased	12.462	12.539	0.077
33	50	Biased	12.52	12.657	0.1374
34	50	Biased	12.387	12.509	0.1218
35	50	Biased	12.502	12.515	0.0131
36	50	Biased	12.543	12.566	0.0237
37	50	Unbiased	12.349	12.41	0.061
39	50	Unbiased	12.611	12.564	-0.0466
40	50	Unbiased	12.48	12.462	-0.0188
41	50	Unbiased	12.309	12.351	0.0429
42	50	Unbiased	12.774	12.798	0.0239
43	100	Biased	12.553	12.577	0.0233
44	100	Biased	12.878	12.956	0.078
45	100	Biased	12.826	12.916	0.0902
46	100	Biased	12.686	12.691	0.0042
47	100	Biased	12.837	12.836	-0.001
48	100	Unbiased	12.674	12.852	0.1778
49	100	Unbiased	12.438	12.47	0.0318
50	100	Unbiased	12.377	12.398	0.0212
51	100	Unbiased	12.489	12.545	0.0556
52	100	Unbiased	12.749	12.677	-0.073
53	0	Correlation	12.698	12.671	-0.0269
54	0	Correlation	12.487	12.567	0.08
55	0	Correlation	12.504	12.577	0.073
56	0	Correlation	12.426	12.43	0.0039

TID vs Post - Pre Exposure Delta

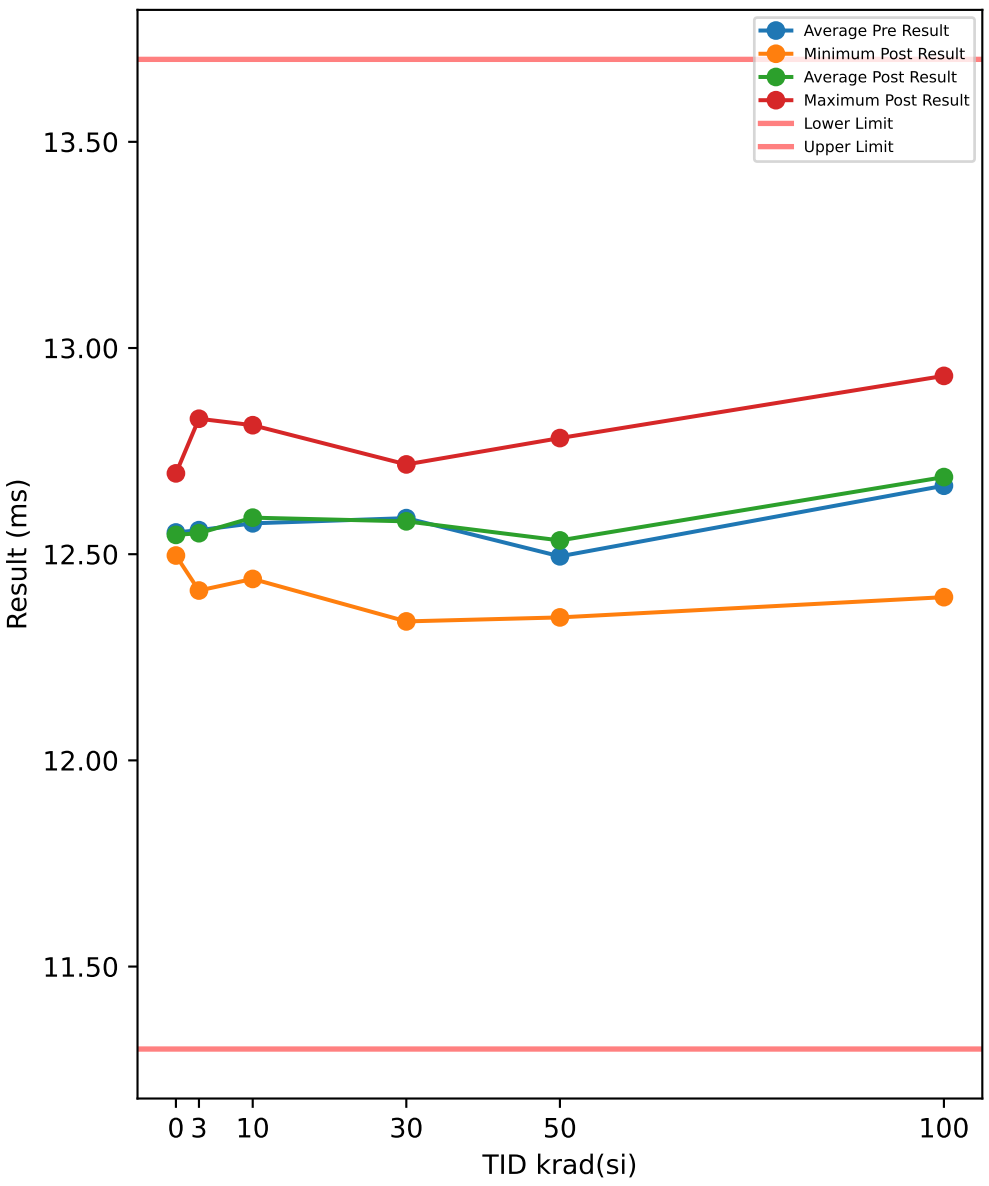


Test Statistics (ms)

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	12.426	12.529	12.698	0.11754	12.43	12.561	12.671	0.099151	-0.0269	0.0325	0.08	0.052418
3	12.423	12.551	12.858	0.14554	12.421	12.568	12.845	0.14746	-0.0713	0.01707	0.0976	0.053943
10	12.417	12.577	12.792	0.12343	12.422	12.572	12.835	0.14905	-0.0894	-0.00437	0.0579	0.045414
30	12.363	12.581	12.719	0.11905	12.342	12.612	12.747	0.12491	-0.0207	0.03032	0.0744	0.031743
50	12.309	12.494	12.774	0.13463	12.351	12.537	12.798	0.12544	-0.0466	0.04354	0.1374	0.057809
100	12.377	12.651	12.878	0.17785	12.398	12.692	12.956	0.19363	-0.073	0.04081	0.1778	0.06635

Device Test: 5.32; DLY_TMR_500KOHM

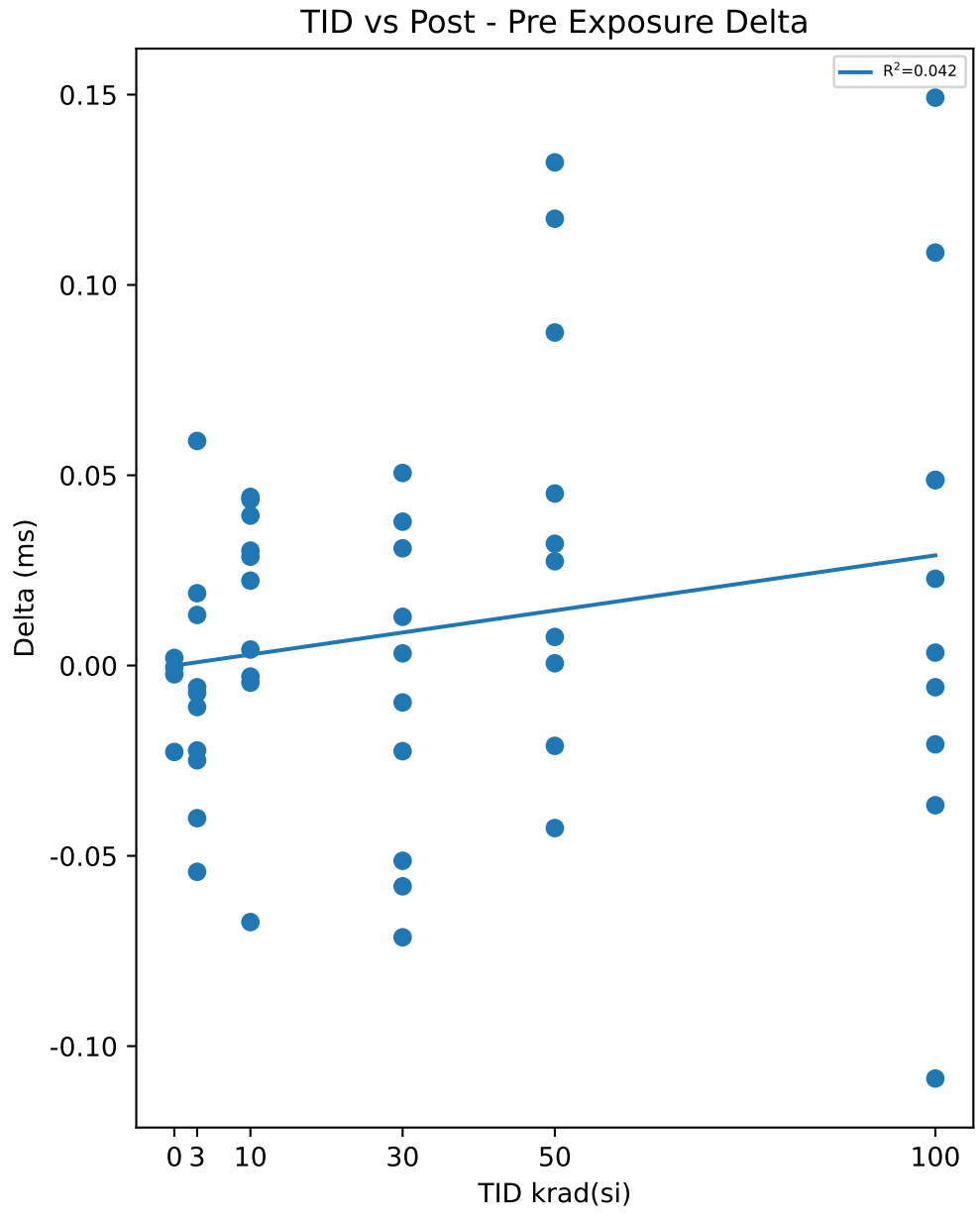
TID vs Result Stats



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

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.436	12.449	0.0133
3	3	Biased	12.488	12.481	-0.0072
4	3	Biased	12.418	12.412	-0.0057
5	3	Biased	12.853	12.829	-0.0249
6	3	Biased	12.694	12.672	-0.0223
7	3	Unbiased	12.467	12.427	-0.0401
8	3	Unbiased	12.687	12.746	0.059
9	3	Unbiased	12.533	12.522	-0.0109
10	3	Unbiased	12.493	12.439	-0.0542
11	3	Unbiased	12.513	12.532	0.019
12	10	Unbiased	12.413	12.443	0.0302
13	10	Unbiased	12.436	12.44	0.0042
14	10	Unbiased	12.497	12.494	-0.0029
15	10	Unbiased	12.79	12.813	0.0223
16	10	Unbiased	12.619	12.663	0.0436
17	10	Biased	12.697	12.737	0.0394
18	10	Biased	12.561	12.59	0.0286
19	10	Biased	12.464	12.509	0.0443
20	10	Biased	12.598	12.53	-0.0674
21	10	Biased	12.672	12.668	-0.0045
22	30	Biased	12.571	12.575	0.0032
23	30	Biased	12.532	12.46	-0.0714
24	30	Biased	12.36	12.337	-0.0225
25	30	Biased	12.567	12.604	0.0378
26	30	Biased	12.705	12.718	0.0128
27	30	Unbiased	12.572	12.623	0.0506
28	30	Unbiased	12.669	12.7	0.0308
29	30	Unbiased	12.504	12.446	-0.058
30	30	Unbiased	12.715	12.664	-0.0513
31	30	Unbiased	12.68	12.67	-0.0097
32	50	Biased	12.458	12.546	0.0875
33	50	Biased	12.517	12.649	0.1322
34	50	Biased	12.384	12.501	0.1174
35	50	Biased	12.499	12.527	0.0274
36	50	Biased	12.538	12.57	0.032
37	50	Unbiased	12.345	12.39	0.0452
39	50	Unbiased	12.608	12.566	-0.0427
40	50	Unbiased	12.479	12.457	-0.0211
41	50	Unbiased	12.346	12.347	0.0006
42	50	Unbiased	12.774	12.782	0.0075
43	100	Biased	12.551	12.6	0.0488
44	100	Biased	12.871	12.92	0.0487
45	100	Biased	12.824	12.932	0.1085
46	100	Biased	12.682	12.685	0.0034
47	100	Biased	12.834	12.829	-0.0057
48	100	Unbiased	12.67	12.819	0.1492
49	100	Unbiased	12.531	12.494	-0.0367
50	100	Unbiased	12.373	12.396	0.0228
51	100	Unbiased	12.576	12.555	-0.0207
52	100	Unbiased	12.748	12.64	-0.1085
53	0	Correlation	12.694	12.696	0.002
54	0	Correlation	12.497	12.497	-0.0004
55	0	Correlation	12.5	12.497	-0.0023
56	0	Correlation	12.52	12.497	-0.0227

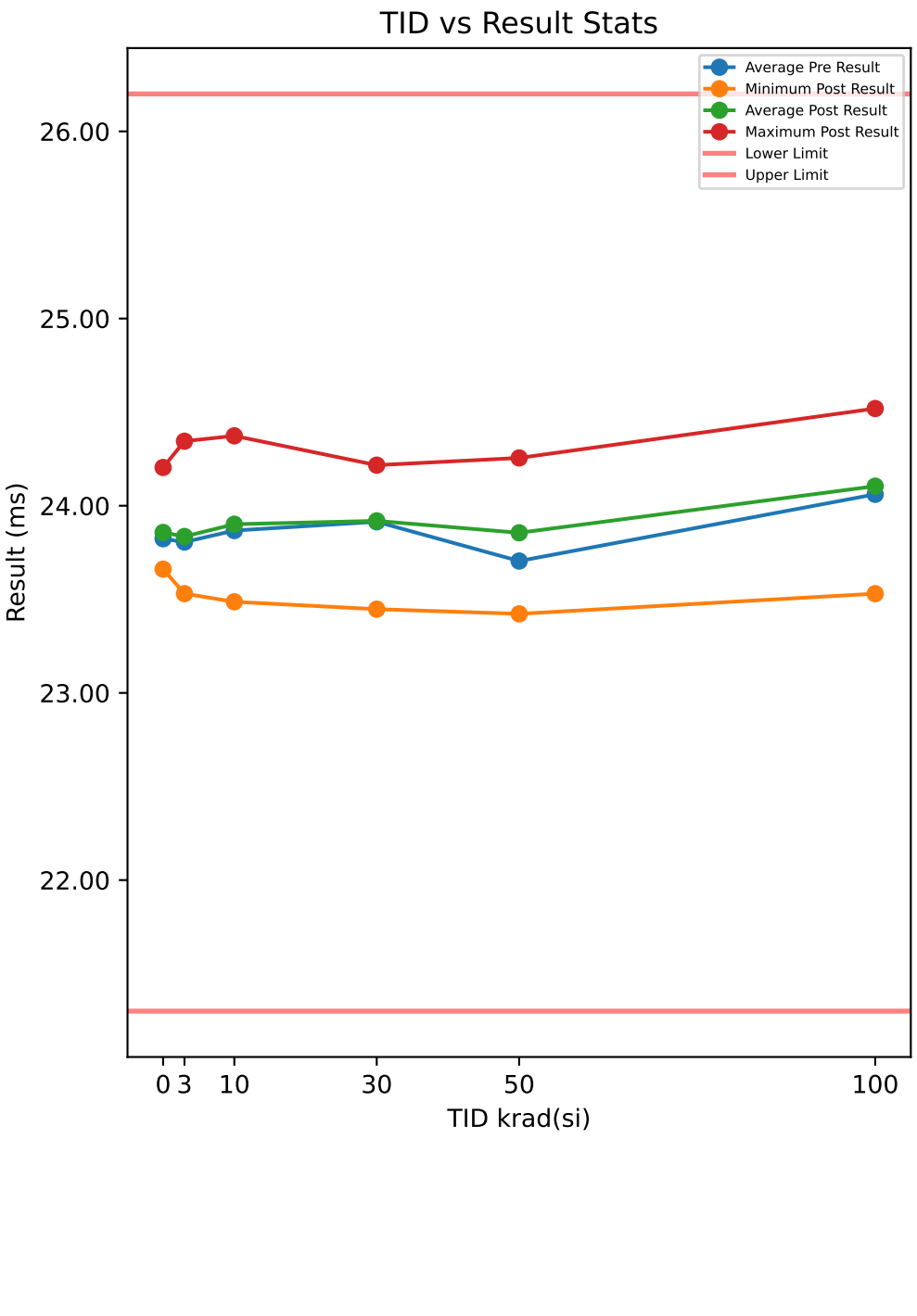
TID vs Post - Pre Exposure Delta

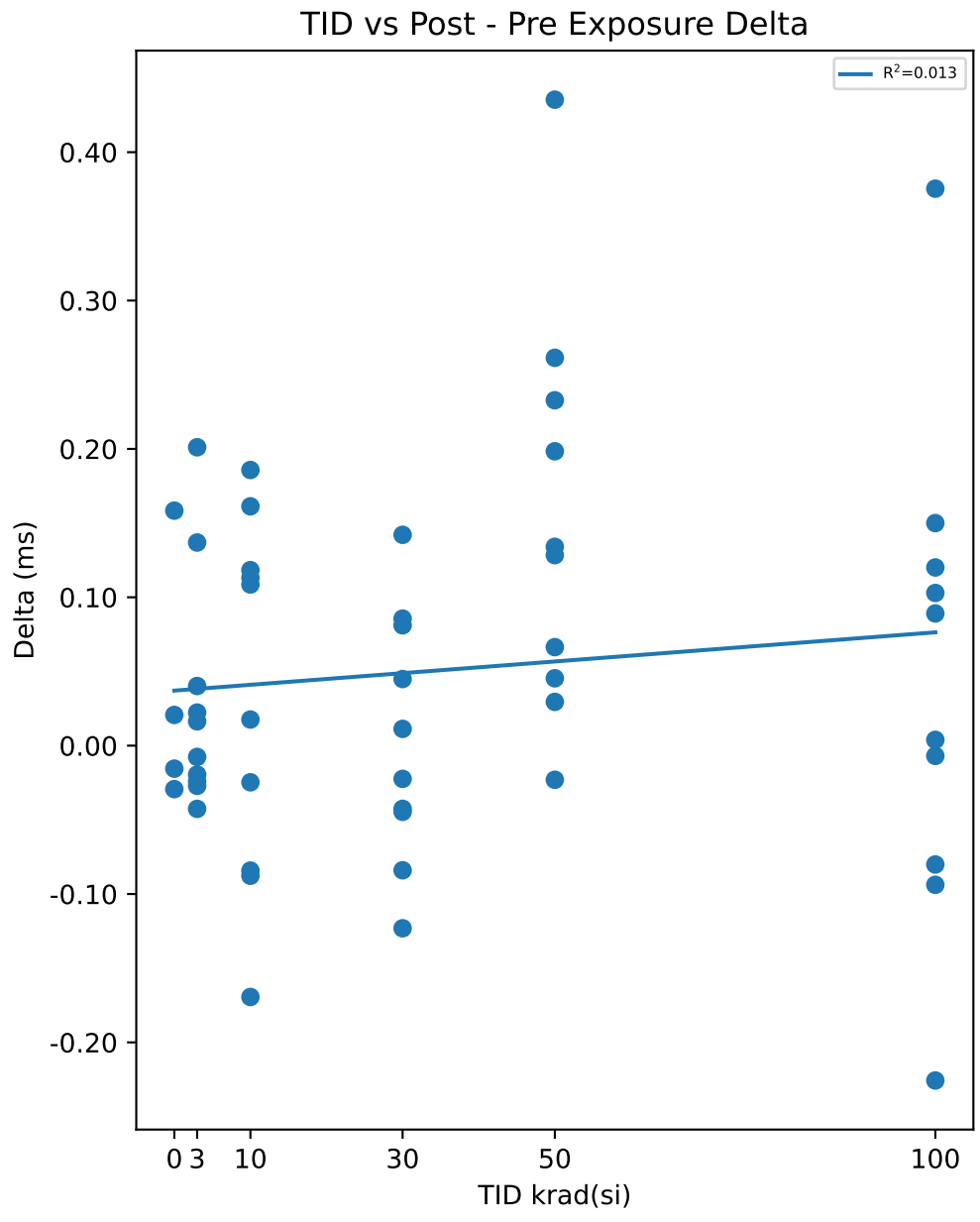


Test Statistics (ms)

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	12.497	12.553	12.694	0.094765	12.497	12.547	12.696	0.09945	-0.0227	-0.00585	0.002	0.01137
3	12.418	12.558	12.853	0.14028	12.412	12.551	12.829	0.14663	-0.0542	-0.0074	0.059	0.03221
10	12.413	12.575	12.79	0.12357	12.44	12.589	12.813	0.12735	-0.0674	0.01378	0.0443	0.033884
30	12.36	12.587	12.715	0.10972	12.337	12.58	12.718	0.12578	-0.0714	-0.00777	0.0506	0.042429
50	12.345	12.495	12.774	0.12986	12.347	12.533	12.782	0.12456	-0.0427	0.0386	0.1322	0.057888
100	12.373	12.666	12.871	0.15912	12.396	12.687	12.932	0.18295	-0.1085	0.02098	0.1492	0.073406

Device Test: 5.33; DLY_TMR_1MOHM





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

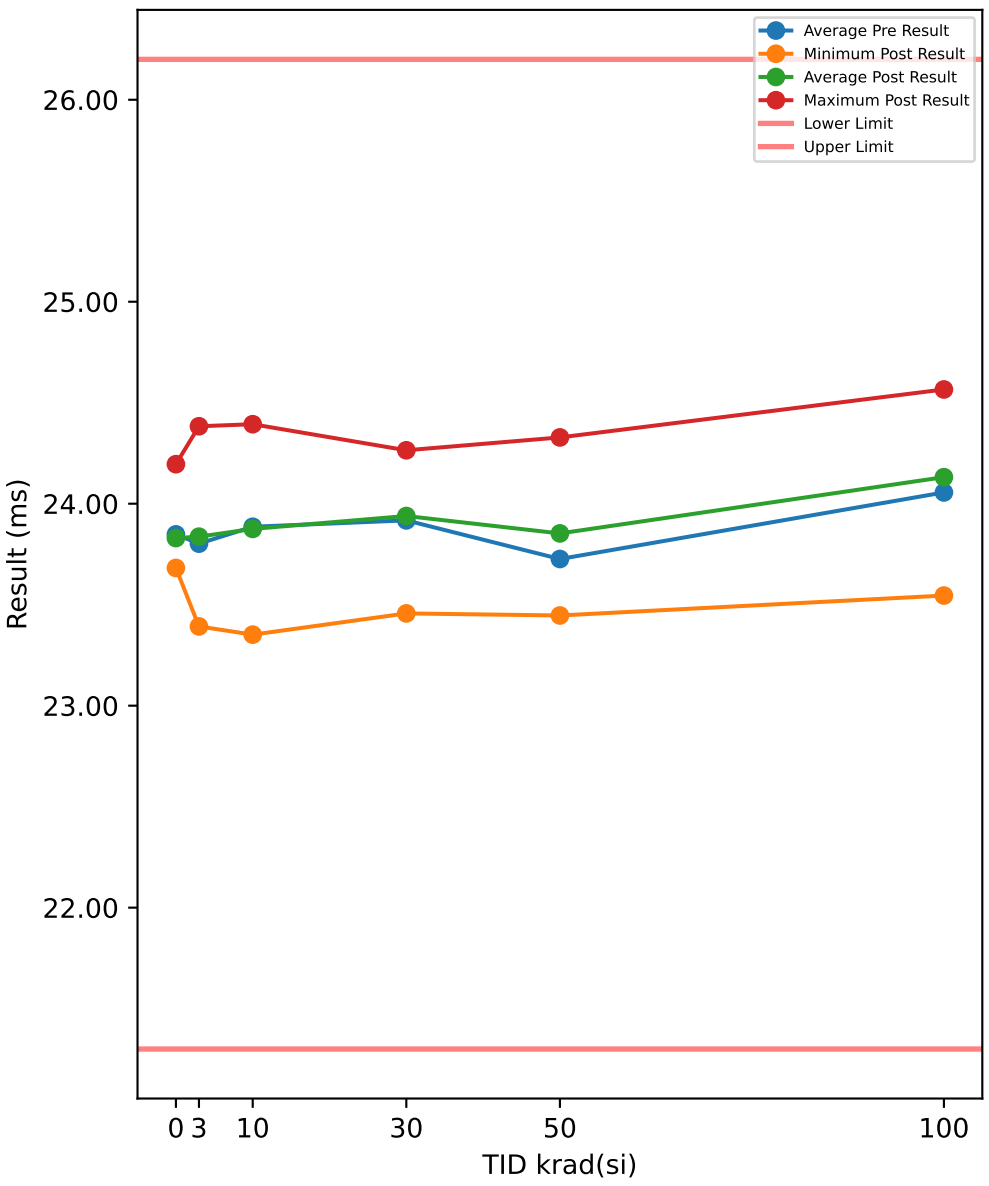
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.783	23.805	0.0223
3	3	Biased	23.738	23.754	0.0164
4	3	Biased	23.538	23.53	-0.0076
5	3	Biased	24.387	24.345	-0.0426
6	3	Biased	24.057	24.033	-0.0241
7	3	Unbiased	23.568	23.549	-0.0195
8	3	Unbiased	24.105	24.242	0.1369
9	3	Unbiased	23.559	23.532	-0.0271
10	3	Unbiased	23.534	23.735	0.2011
11	3	Unbiased	23.791	23.831	0.0402
12	10	Unbiased	23.469	23.487	0.0176
13	10	Unbiased	23.474	23.659	0.1858
14	10	Unbiased	23.707	23.869	0.1613
15	10	Unbiased	24.255	24.373	0.1183
16	10	Unbiased	23.981	24.09	0.1086
17	10	Biased	24.107	24.22	0.1132
18	10	Biased	23.824	23.74	-0.0842
19	10	Biased	23.81	23.722	-0.0877
20	10	Biased	23.957	23.787	-0.1694
21	10	Biased	24.09	24.065	-0.0247
22	30	Biased	24.033	24.011	-0.0224
23	30	Biased	23.531	23.447	-0.084
24	30	Biased	23.546	23.503	-0.0426
25	30	Biased	23.841	23.886	0.0449
26	30	Biased	24.087	24.168	0.0811
27	30	Unbiased	24.075	24.217	0.1421
28	30	Unbiased	24.04	24.125	0.0856
29	30	Unbiased	23.683	23.56	-0.1231
30	30	Unbiased	24.18	24.135	-0.0446
31	30	Unbiased	24.128	24.14	0.0113
32	50	Biased	23.808	24.007	0.1984
33	50	Biased	23.742	24.004	0.2614
34	50	Biased	23.489	23.925	0.4354
35	50	Biased	23.638	23.871	0.2328
36	50	Biased	23.977	24.023	0.0454
37	50	Unbiased	23.356	23.485	0.1284
39	50	Unbiased	23.881	23.947	0.0664
40	50	Unbiased	23.482	23.616	0.134
41	50	Unbiased	23.393	23.422	0.0295
42	50	Unbiased	24.278	24.255	-0.023
43	100	Biased	24.021	24.142	0.1201
44	100	Biased	24.241	24.33	0.0891
45	100	Biased	24.369	24.519	0.15
46	100	Biased	24.263	24.256	-0.0069
47	100	Biased	24.483	24.403	-0.0801
48	100	Unbiased	24.1	24.475	0.3754
49	100	Unbiased	23.624	23.53	-0.0938
50	100	Unbiased	23.609	23.613	0.0039
51	100	Unbiased	23.659	23.762	0.1029
52	100	Unbiased	24.24	24.015	-0.2257
53	0	Correlation	24.184	24.204	0.0207
54	0	Correlation	23.671	23.829	0.1584
55	0	Correlation	23.691	23.661	-0.0293
56	0	Correlation	23.75	23.734	-0.0155

Test Statistics (ms)

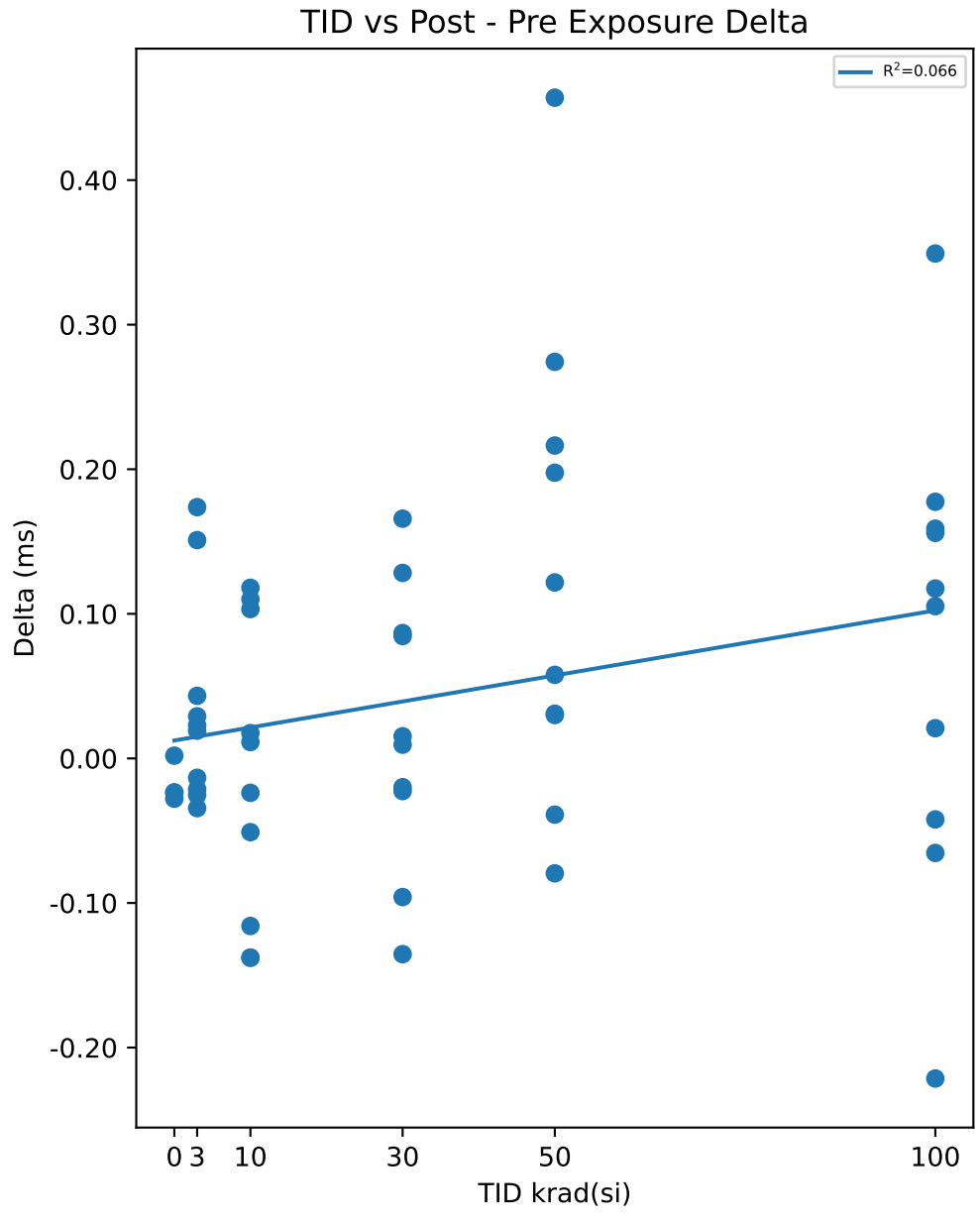
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.671	23.824	24.184	0.24235	23.661	23.857	24.204	0.24147	-0.0293	0.033575	0.1584	0.085846
3	23.534	23.806	24.387	0.29042	23.53	23.836	24.345	0.28838	-0.0426	0.0296	0.2011	0.079142
10	23.469	23.867	24.255	0.26301	23.487	23.901	24.373	0.27679	-0.1694	0.03388	0.1858	0.12113
30	23.531	23.914	24.18	0.24565	23.447	23.919	24.217	0.30233	-0.1231	0.00483	0.1421	0.083348
50	23.356	23.705	24.278	0.2917	23.422	23.855	24.255	0.26433	-0.023	0.15087	0.4354	0.13587
100	23.609	24.061	24.483	0.32291	23.53	24.104	24.519	0.36063	-0.2257	0.04349	0.3754	0.16455

Device Test: 5.34; DLY_TMR_1MOHM

TID vs Result Stats



TID vs Post - Pre Exposure Delta



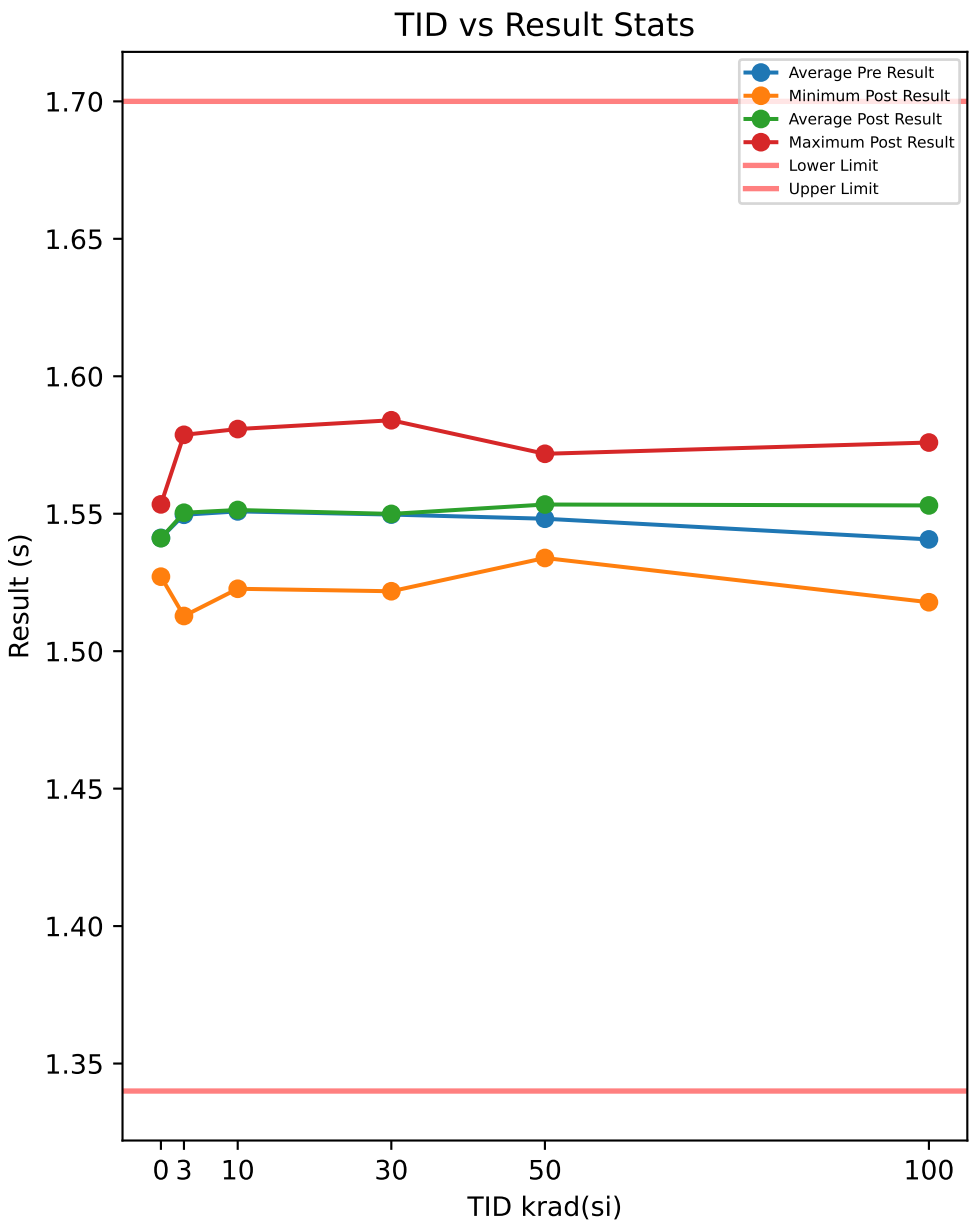
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

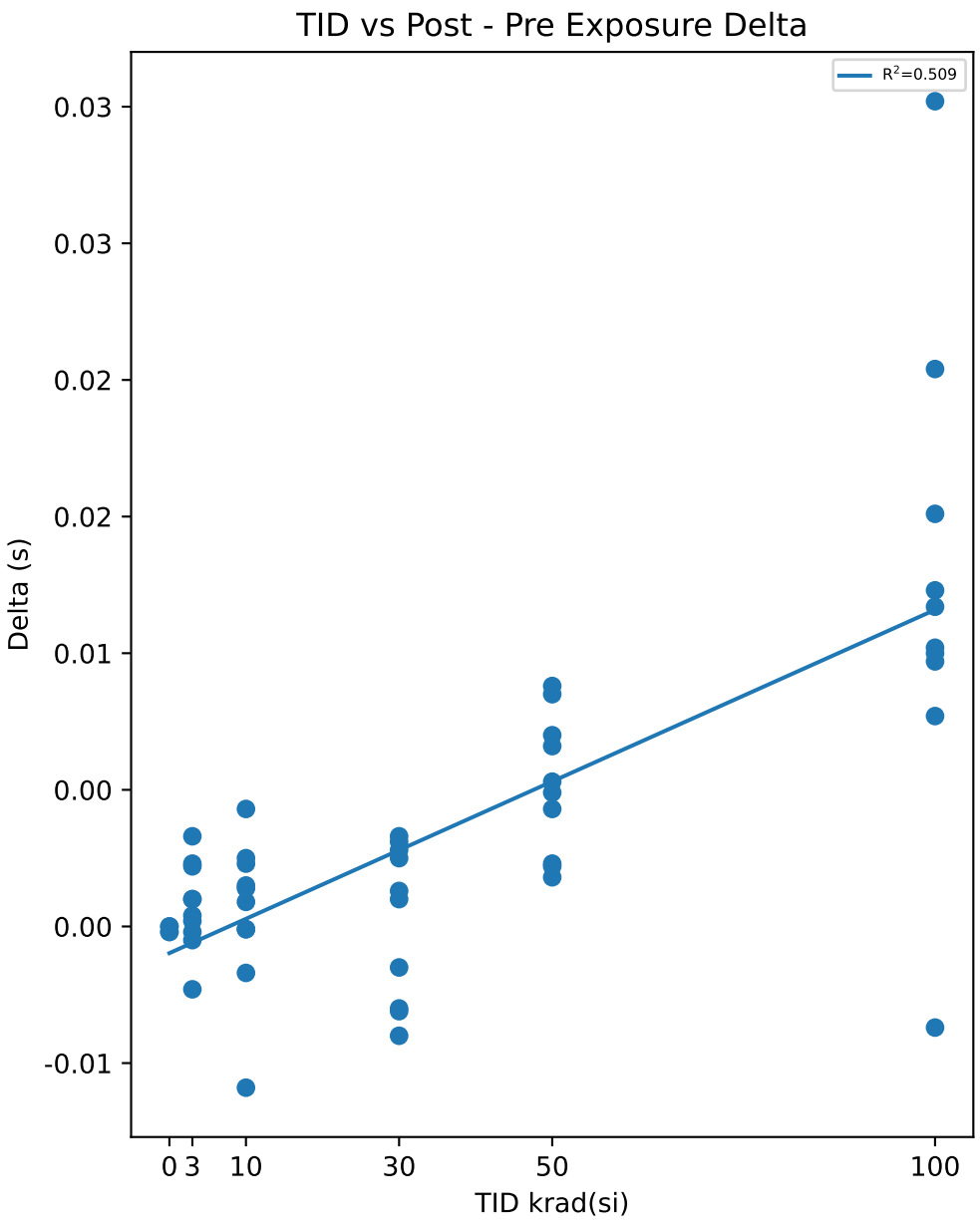
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.806	23.829	0.0229
3	3	Biased	23.758	23.787	0.0291
4	3	Biased	23.536	23.687	0.151
5	3	Biased	24.405	24.383	-0.0213
6	3	Biased	24.077	24.052	-0.0253
7	3	Unbiased	23.406	23.392	-0.0134
8	3	Unbiased	24.087	24.261	0.1738
9	3	Unbiased	23.58	23.546	-0.0344
10	3	Unbiased	23.555	23.574	0.0192
11	3	Unbiased	23.813	23.856	0.0433
12	10	Unbiased	23.489	23.352	-0.1378
13	10	Unbiased	23.499	23.516	0.0175
14	10	Unbiased	23.729	23.741	0.0113
15	10	Unbiased	24.276	24.393	0.118
16	10	Unbiased	23.984	24.088	0.1033
17	10	Biased	24.128	24.238	0.1101
18	10	Biased	23.843	23.727	-0.1159
19	10	Biased	23.824	23.773	-0.051
20	10	Biased	23.976	23.838	-0.1378
21	10	Biased	24.111	24.087	-0.0238
22	30	Biased	24.055	24.035	-0.0199
23	30	Biased	23.553	23.457	-0.0959
24	30	Biased	23.403	23.532	0.1283
25	30	Biased	23.861	23.87	0.0095
26	30	Biased	24.106	24.191	0.0846
27	30	Unbiased	24.099	24.265	0.1658
28	30	Unbiased	24.06	24.146	0.0867
29	30	Unbiased	23.702	23.566	-0.1354
30	30	Unbiased	24.189	24.166	-0.0226
31	30	Unbiased	24.148	24.163	0.0153
32	50	Biased	23.832	24.029	0.1976
33	50	Biased	23.755	24.029	0.2743
34	50	Biased	23.514	23.971	0.457
35	50	Biased	23.663	23.879	0.2164
36	50	Biased	24	24.058	0.0578
37	50	Unbiased	23.378	23.5	0.1217
39	50	Unbiased	23.901	23.821	-0.0795
40	50	Unbiased	23.505	23.466	-0.0389
41	50	Unbiased	23.416	23.447	0.0309
42	50	Unbiased	24.298	24.328	0.03
43	100	Biased	24.045	24.162	0.1175
44	100	Biased	24.26	24.366	0.1053
45	100	Biased	24.388	24.566	0.1775
46	100	Biased	24.286	24.307	0.0209
47	100	Biased	24.479	24.437	-0.0422
48	100	Unbiased	24.119	24.468	0.3492
49	100	Unbiased	23.611	23.545	-0.0654
50	100	Unbiased	23.449	23.608	0.1589
51	100	Unbiased	23.661	23.817	0.156
52	100	Unbiased	24.259	24.038	-0.2214
53	0	Correlation	24.219	24.196	-0.0236
54	0	Correlation	23.691	23.693	0.0019
55	0	Correlation	23.71	23.682	-0.0279
56	0	Correlation	23.773	23.749	-0.0236

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	23.691	23.848	24.219	0.24986	23.682	23.83	24.196	0.24563	-0.0279	-0.0183	0.0019	0.013618
3	23.406	23.802	24.405	0.30924	23.392	23.837	24.383	0.31655	-0.0344	0.03449	0.1738	0.072406
10	23.489	23.886	24.276	0.26156	23.352	23.875	24.393	0.324	-0.1378	-0.01061	0.118	0.10033
30	23.403	23.917	24.189	0.2752	23.457	23.939	24.265	0.31014	-0.1354	0.02164	0.1658	0.09586
50	23.378	23.726	24.298	0.29069	23.447	23.853	24.328	0.29535	-0.0795	0.12673	0.457	0.16234
100	23.449	24.056	24.479	0.35775	23.545	24.131	24.566	0.36621	-0.2214	0.07563	0.3492	0.15855

Device Test: 5.35; WD_TMR_1MOHM





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

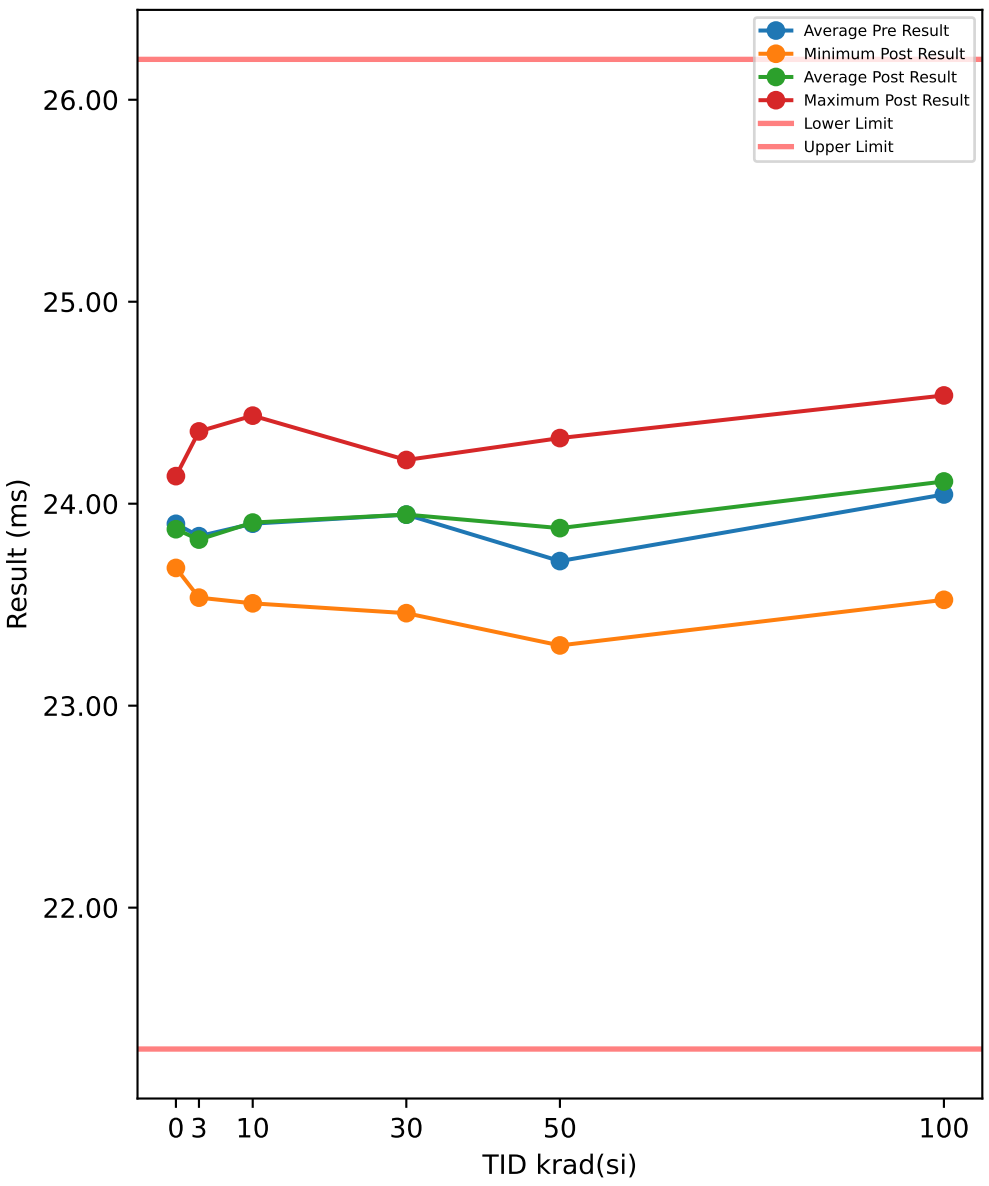
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.5519	1.5529	0.001
3	3	Biased	1.5562	1.5564	0.0002
4	3	Biased	1.5516	1.5511	-0.0005
5	3	Biased	1.5105	1.5128	0.0023
6	3	Biased	1.5754	1.5787	0.0033
7	3	Unbiased	1.5452	1.5429	-0.0023
8	3	Unbiased	1.5377	1.5399	0.0022
9	3	Unbiased	1.5616	1.5626	0.001
10	3	Unbiased	1.5512	1.551	-0.0002
11	3	Unbiased	1.5549	1.5553	0.0004
12	10	Unbiased	1.5492	1.5433	-0.0059
13	10	Unbiased	1.5809	1.5808	-0.0001
14	10	Unbiased	1.5446	1.5471	0.0025
15	10	Unbiased	1.5348	1.5362	0.0014
16	10	Unbiased	1.5346	1.5369	0.0023
17	10	Biased	1.5577	1.562	0.0043
18	10	Biased	1.5218	1.5227	0.0009
19	10	Biased	1.5615	1.5614	-0.0001
20	10	Biased	1.554	1.5523	-0.0017
21	10	Biased	1.5694	1.5709	0.0015
22	30	Biased	1.5275	1.526	-0.0015
23	30	Biased	1.5248	1.5218	-0.003
24	30	Biased	1.588	1.584	-0.004
25	30	Biased	1.537	1.5398	0.0028
26	30	Biased	1.5568	1.5581	0.0013
27	30	Unbiased	1.5526	1.5536	0.001
28	30	Unbiased	1.5684	1.5709	0.0025
29	30	Unbiased	1.5391	1.5424	0.0033
30	30	Unbiased	1.5498	1.5529	0.0031
31	30	Unbiased	1.5529	1.5498	-0.0031
32	50	Biased	1.5322	1.5388	0.0066
33	50	Biased	1.5296	1.5339	0.0043
34	50	Biased	1.5468	1.5521	0.0053
35	50	Biased	1.5522	1.5571	0.0049
36	50	Biased	1.5617	1.564	0.0023
37	50	Unbiased	1.5487	1.5572	0.0085
39	50	Unbiased	1.5376	1.5394	0.0018
40	50	Unbiased	1.5491	1.5513	0.0022
41	50	Unbiased	1.5648	1.5718	0.007
42	50	Unbiased	1.5591	1.5679	0.0088
43	100	Biased	1.526	1.5464	0.0204
44	100	Biased	1.5564	1.5527	-0.0037
45	100	Biased	1.5545	1.5696	0.0151
46	100	Biased	1.5288	1.539	0.0102
47	100	Biased	1.5436	1.5553	0.0117
48	100	Unbiased	1.548	1.5557	0.0077
49	100	Unbiased	1.5548	1.5645	0.0097
50	100	Unbiased	1.541	1.5533	0.0123
51	100	Unbiased	1.5457	1.5759	0.0302
52	100	Unbiased	1.5078	1.5178	0.01
53	0	Correlation	1.5536	1.5534	-0.0002
54	0	Correlation	1.5273	1.5271	-0.0002
55	0	Correlation	1.5347	1.5347	0
56	0	Correlation	1.5492	1.5492	0

Test Statistics (s)

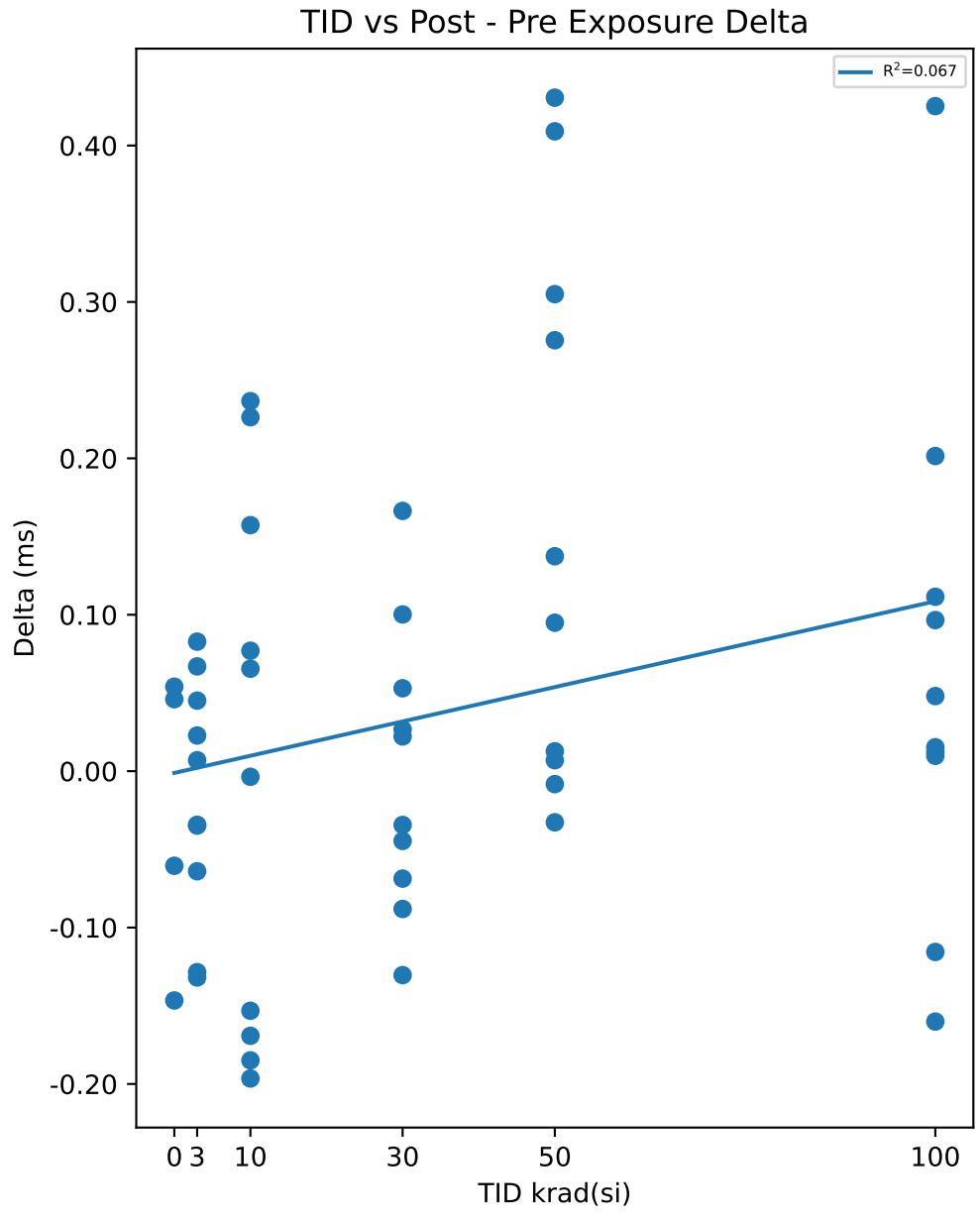
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.5273	1.5412	1.5536	0.012291	1.5271	1.5411	1.5534	0.0123	-0.0002	-0.0001	0	0.00011547
3	1.5105	1.5496	1.5754	0.016941	1.5128	1.5504	1.5787	0.016987	-0.0023	0.00074	0.0033	0.0016098
10	1.5218	1.5509	1.5809	0.017716	1.5227	1.5514	1.5808	0.01766	-0.0059	0.00051	0.0043	0.0027922
30	1.5248	1.5497	1.588	0.019068	1.5218	1.5499	1.584	0.018894	-0.004	0.00024	0.0033	0.002859
50	1.5296	1.5482	1.5648	0.012064	1.5339	1.5534	1.5718	0.012844	0.0018	0.00517	0.0088	0.0025587
100	1.5078	1.5407	1.5564	0.015501	1.5178	1.553	1.5759	0.01641	-0.0037	0.01236	0.0302	0.008742

Device Test: 5.36; DLY_TMR_1MOHM

TID vs Result Stats



TID vs Post - Pre Exposure Delta



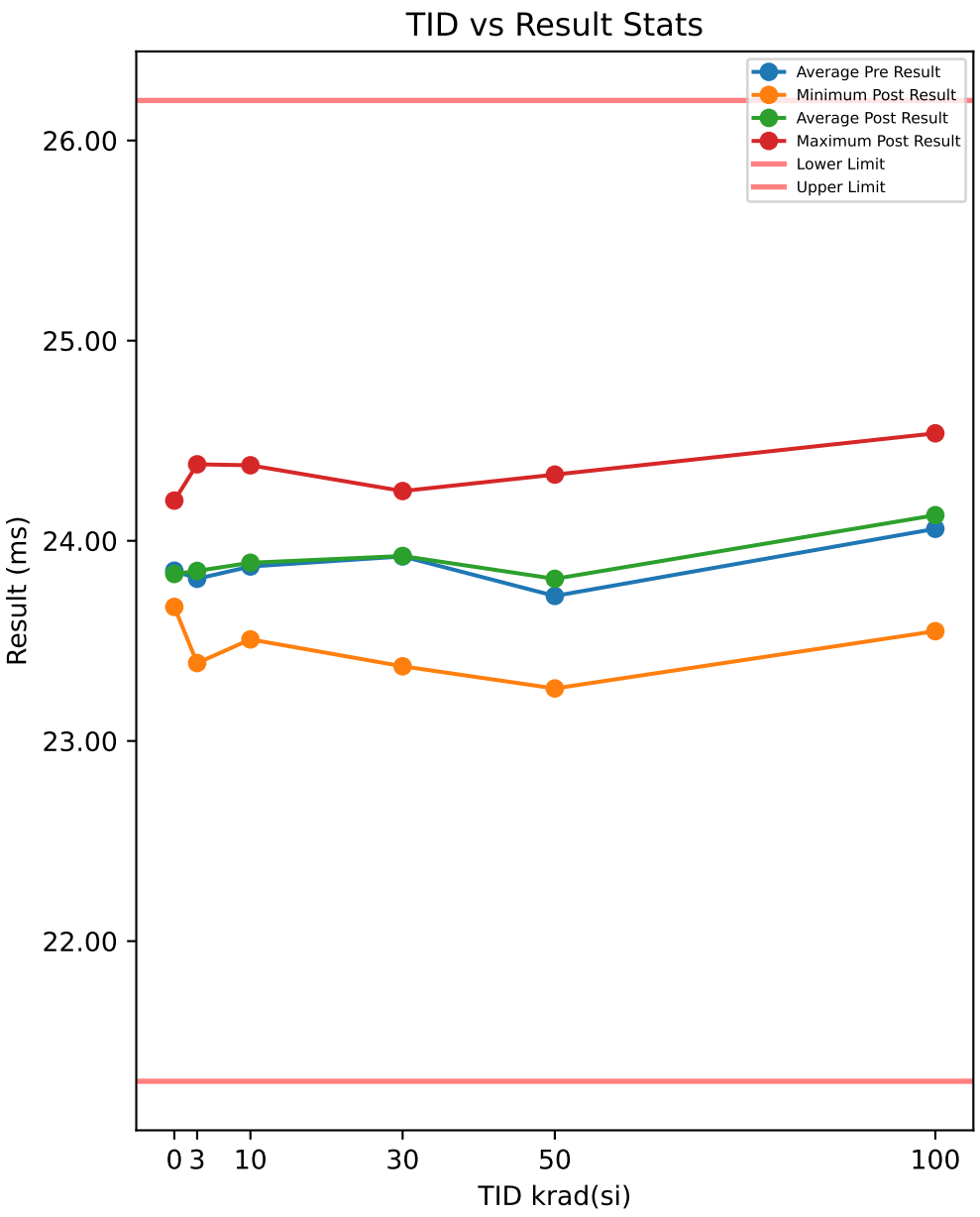
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

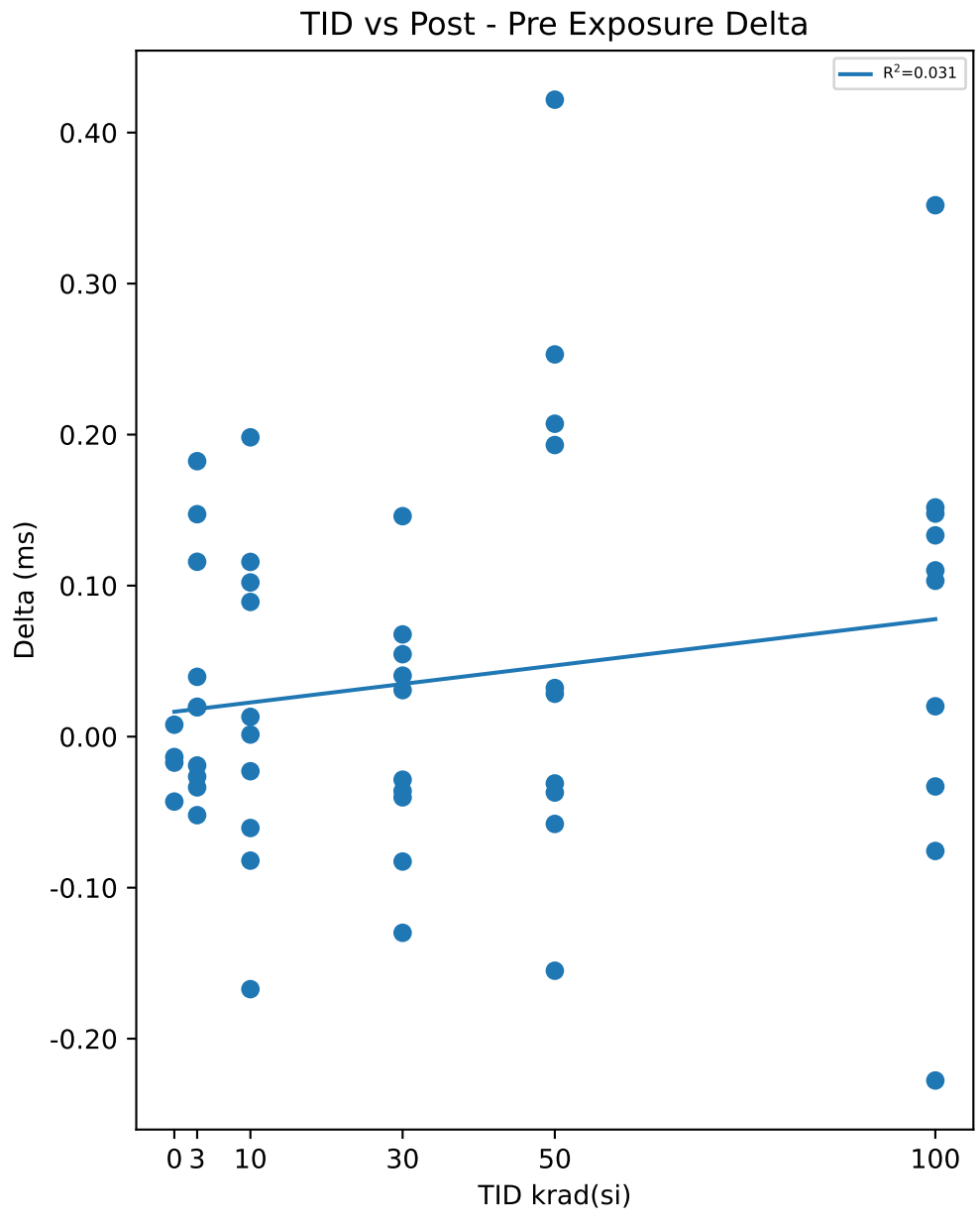
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.909	23.781	-0.1285
3	3	Biased	23.795	23.76	-0.0348
4	3	Biased	23.697	23.566	-0.1319
5	3	Biased	24.291	24.358	0.067
6	3	Biased	24.068	24.004	-0.064
7	3	Unbiased	23.49	23.535	0.0451
8	3	Unbiased	24.081	24.164	0.0828
9	3	Unbiased	23.553	23.56	0.007
10	3	Unbiased	23.709	23.675	-0.0343
11	3	Unbiased	23.799	23.822	0.0228
12	10	Unbiased	23.349	23.507	0.1573
13	10	Unbiased	23.578	23.574	-0.0036
14	10	Unbiased	23.697	23.774	0.077
15	10	Unbiased	24.199	24.436	0.2366
16	10	Unbiased	24.077	24.143	0.0655
17	10	Biased	24.05	24.277	0.2263
18	10	Biased	23.903	23.75	-0.1532
19	10	Biased	23.927	23.731	-0.1965
20	10	Biased	24.051	23.866	-0.1849
21	10	Biased	24.178	24.009	-0.1692
22	30	Biased	24.011	24.038	0.0267
23	30	Biased	23.659	23.59	-0.0687
24	30	Biased	23.436	23.458	0.0222
25	30	Biased	23.855	23.955	0.1002
26	30	Biased	24.149	24.104	-0.0446
27	30	Unbiased	24.05	24.216	0.1664
28	30	Unbiased	24.03	24.084	0.053
29	30	Unbiased	23.809	23.679	-0.1304
30	30	Unbiased	24.247	24.213	-0.0344
31	30	Unbiased	24.213	24.125	-0.0881
32	50	Biased	23.8	24.075	0.2755
33	50	Biased	23.715	24.145	0.4306
34	50	Biased	23.563	23.972	0.4091
35	50	Biased	23.712	24.017	0.305
36	50	Biased	24.023	24.015	-0.0083
37	50	Unbiased	23.309	23.447	0.1374
39	50	Unbiased	23.946	23.914	-0.0327
40	50	Unbiased	23.57	23.582	0.0127
41	50	Unbiased	23.291	23.298	0.007
42	50	Unbiased	24.23	24.325	0.0949
43	100	Biased	24.082	24.094	0.0122
44	100	Biased	24.156	24.358	0.2015
45	100	Biased	24.439	24.536	0.0966
46	100	Biased	24.255	24.265	0.0098
47	100	Biased	24.36	24.472	0.1115
48	100	Unbiased	24.074	24.5	0.4252
49	100	Unbiased	23.64	23.524	-0.1156
50	100	Unbiased	23.557	23.573	0.0153
51	100	Unbiased	23.729	23.776	0.048
52	100	Unbiased	24.165	24.005	-0.1601
53	0	Correlation	24.197	24.137	-0.0605
54	0	Correlation	23.829	23.682	-0.1466
55	0	Correlation	23.767	23.821	0.054
56	0	Correlation	23.809	23.855	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	23.767	23.9	24.197	0.19941	23.682	23.874	24.137	0.19058	-0.1466	-0.026775	0.054	0.095422
3	23.49	23.839	24.291	0.25038	23.535	23.822	24.358	0.27509	-0.1319	-0.01688	0.0828	0.075639
10	23.349	23.901	24.199	0.27736	23.507	23.907	24.436	0.30337	-0.1965	0.00553	0.2366	0.17216
30	23.436	23.946	24.247	0.25718	23.458	23.946	24.216	0.27184	-0.1304	0.00023	0.1664	0.090922
50	23.291	23.716	24.23	0.29988	23.298	23.879	24.325	0.32791	-0.0327	0.16312	0.4306	0.17791
100	23.557	24.046	24.439	0.30372	23.524	24.11	24.536	0.38065	-0.1601	0.06444	0.4252	0.16446

Device Test: 5.37; DLY_TMR_1MOHM





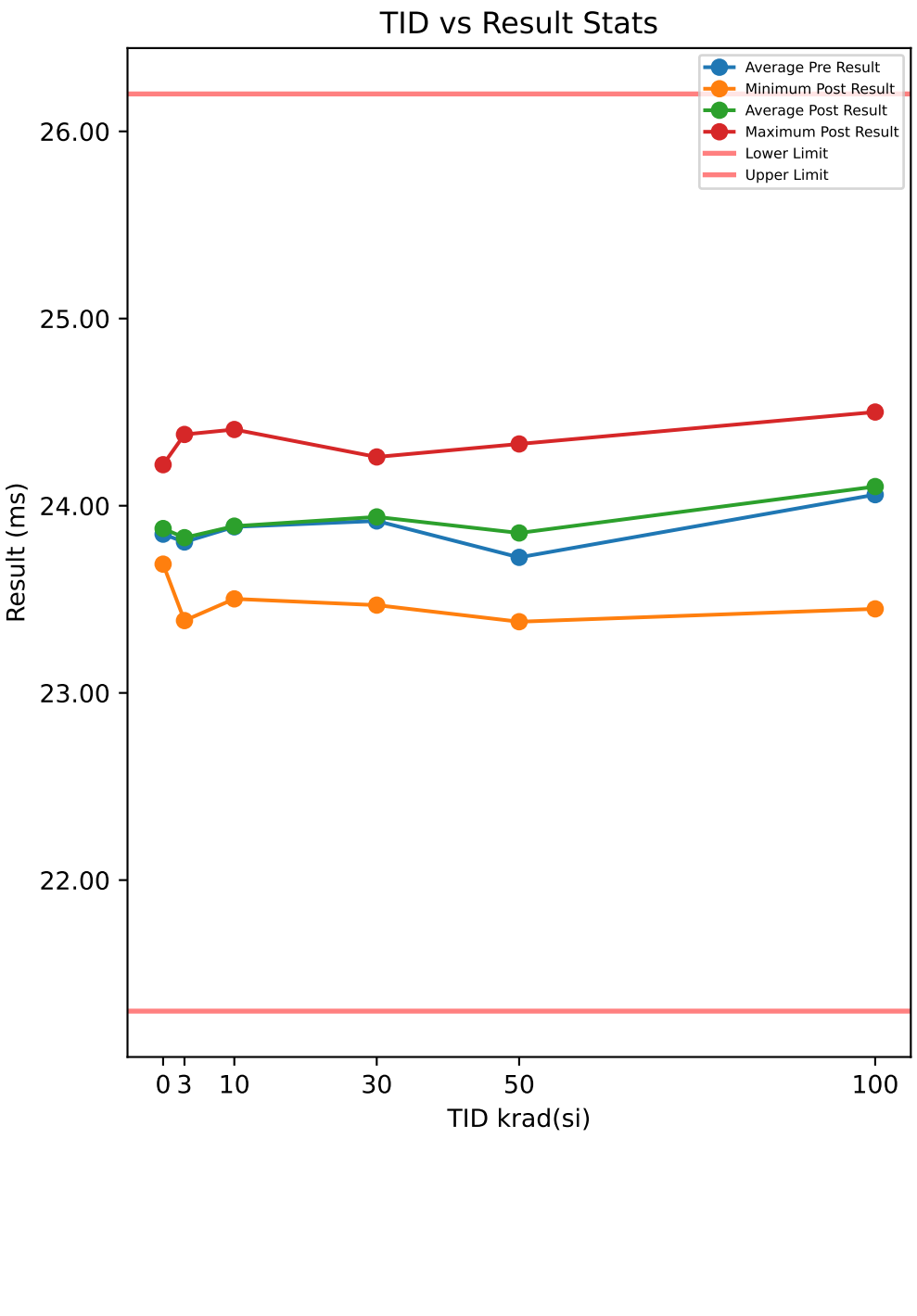
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

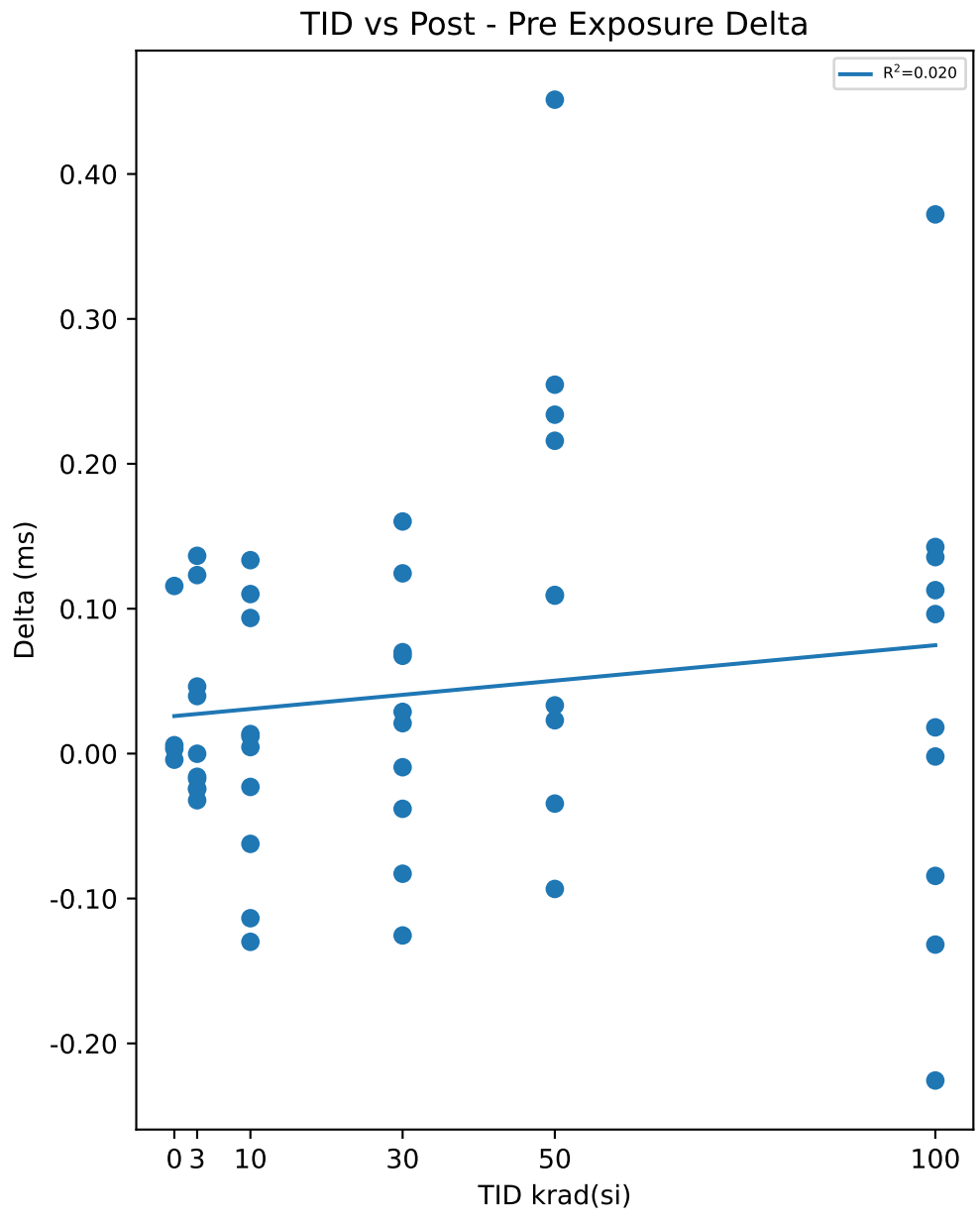
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.809	23.829	0.0198
3	3	Biased	23.764	23.804	0.0396
4	3	Biased	23.538	23.685	0.1473
5	3	Biased	24.409	24.382	-0.0265
6	3	Biased	24.081	24.047	-0.0336
7	3	Unbiased	23.408	23.389	-0.0191
8	3	Unbiased	24.141	24.257	0.1158
9	3	Unbiased	23.579	23.527	-0.052
10	3	Unbiased	23.555	23.738	0.1824
11	3	Unbiased	23.818	23.837	0.0194
12	10	Unbiased	23.309	23.508	0.1982
13	10	Unbiased	23.502	23.515	0.0131
14	10	Unbiased	23.738	23.739	0.0014
15	10	Unbiased	24.275	24.377	0.1021
16	10	Unbiased	24.003	24.093	0.0892
17	10	Biased	24.129	24.245	0.1157
18	10	Biased	23.845	23.763	-0.0821
19	10	Biased	23.835	23.775	-0.0605
20	10	Biased	23.968	23.801	-0.1672
21	10	Biased	24.111	24.088	-0.0229
22	30	Biased	24.064	24.035	-0.0285
23	30	Biased	23.552	23.47	-0.0827
24	30	Biased	23.409	23.373	-0.036
25	30	Biased	23.864	23.904	0.0404
26	30	Biased	24.111	24.166	0.0546
27	30	Unbiased	24.103	24.249	0.146
28	30	Unbiased	24.061	24.128	0.0677
29	30	Unbiased	23.705	23.575	-0.1299
30	30	Unbiased	24.202	24.162	-0.0402
31	30	Unbiased	24.15	24.181	0.0308
32	50	Biased	23.835	24.028	0.1931
33	50	Biased	23.764	24.017	0.2531
34	50	Biased	23.52	23.942	0.4218
35	50	Biased	23.666	23.873	0.2072
36	50	Biased	24.003	24.031	0.0284
37	50	Unbiased	23.377	23.319	-0.0578
39	50	Unbiased	23.863	23.832	-0.031
40	50	Unbiased	23.503	23.466	-0.037
41	50	Unbiased	23.417	23.262	-0.155
42	50	Unbiased	24.299	24.331	0.0322
43	100	Biased	24.046	24.156	0.1101
44	100	Biased	24.257	24.391	0.1333
45	100	Biased	24.389	24.537	0.1477
46	100	Biased	24.289	24.309	0.0201
47	100	Biased	24.478	24.445	-0.033
48	100	Unbiased	24.122	24.474	0.3519
49	100	Unbiased	23.624	23.549	-0.0757
50	100	Unbiased	23.452	23.604	0.1518
51	100	Unbiased	23.682	23.785	0.1032
52	100	Unbiased	24.26	24.032	-0.2277
53	0	Correlation	24.218	24.201	-0.0172
54	0	Correlation	23.694	23.68	-0.0135
55	0	Correlation	23.713	23.67	-0.043
56	0	Correlation	23.779	23.787	0.0079

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	23.694	23.851	24.218	0.24759	23.67	23.834	24.201	0.25003	-0.043	-0.01645	0.0079	0.020873
3	23.408	23.81	24.409	0.31564	23.389	23.85	24.382	0.30665	-0.052	0.03931	0.1824	0.081759
10	23.309	23.872	24.275	0.29549	23.508	23.89	24.377	0.29637	-0.1672	0.0187	0.1982	0.10884
30	23.409	23.922	24.202	0.27658	23.373	23.924	24.249	0.32875	-0.1299	0.00222	0.146	0.080863
50	23.377	23.725	24.299	0.28852	23.262	23.81	24.331	0.34825	-0.155	0.0855	0.4218	0.17658
100	23.452	24.06	24.478	0.35291	23.549	24.128	24.537	0.36925	-0.2277	0.06817	0.3519	0.157

Device Test: 5.38; DLY_TMR_1MOHM





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

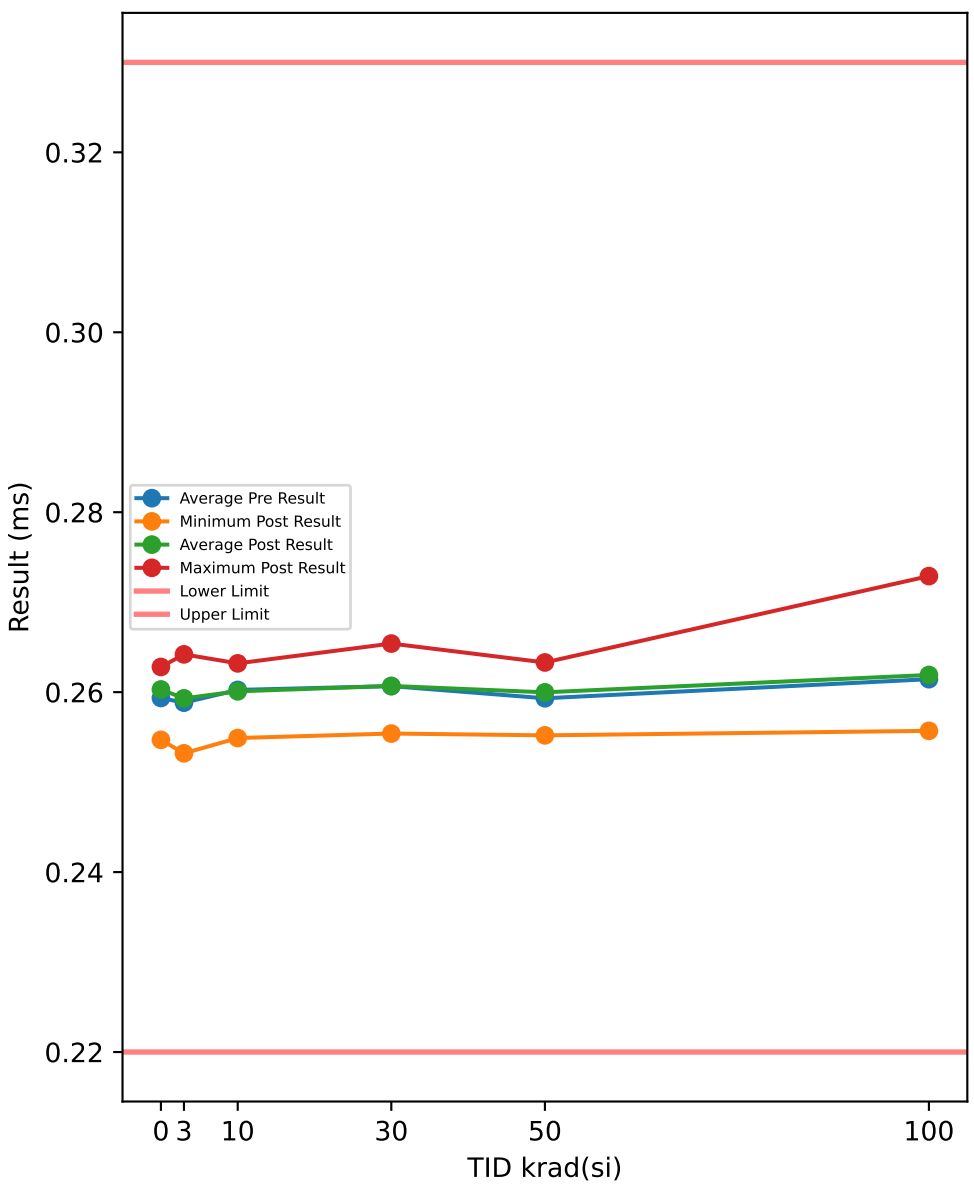
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.807	23.791	-0.016
3	3	Biased	23.759	23.799	0.0397
4	3	Biased	23.532	23.532	-0.0001
5	3	Biased	24.405	24.381	-0.0244
6	3	Biased	24.079	24.047	-0.0322
7	3	Unbiased	23.404	23.386	-0.0174
8	3	Unbiased	24.134	24.258	0.1232
9	3	Unbiased	23.578	23.553	-0.0242
10	3	Unbiased	23.555	23.691	0.1365
11	3	Unbiased	23.81	23.856	0.0463
12	10	Unbiased	23.489	23.502	0.0135
13	10	Unbiased	23.499	23.503	0.0045
14	10	Unbiased	23.729	23.74	0.0119
15	10	Unbiased	24.274	24.407	0.1335
16	10	Unbiased	24.002	24.095	0.0936
17	10	Biased	24.128	24.238	0.1101
18	10	Biased	23.843	23.729	-0.1136
19	10	Biased	23.834	23.771	-0.0623
20	10	Biased	23.967	23.837	-0.1299
21	10	Biased	24.109	24.086	-0.023
22	30	Biased	24.058	24.048	-0.0094
23	30	Biased	23.552	23.469	-0.0829
24	30	Biased	23.401	23.525	0.1244
25	30	Biased	23.858	23.88	0.021
26	30	Biased	24.107	24.177	0.07
27	30	Unbiased	24.1	24.261	0.1602
28	30	Unbiased	24.058	24.126	0.0675
29	30	Unbiased	23.703	23.578	-0.1255
30	30	Unbiased	24.201	24.163	-0.0381
31	30	Unbiased	24.148	24.177	0.0288
32	50	Biased	23.812	24.028	0.2159
33	50	Biased	23.76	24.015	0.2546
34	50	Biased	23.514	23.965	0.4513
35	50	Biased	23.663	23.897	0.2339
36	50	Biased	24.002	24.025	0.023
37	50	Unbiased	23.38	23.489	0.109
39	50	Unbiased	23.897	23.804	-0.0934
40	50	Unbiased	23.502	23.611	0.1095
41	50	Unbiased	23.415	23.38	-0.0345
42	50	Unbiased	24.297	24.33	0.0333
43	100	Biased	24.043	24.14	0.0963
44	100	Biased	24.26	24.402	0.1426
45	100	Biased	24.388	24.501	0.1128
46	100	Biased	24.287	24.305	0.0181
47	100	Biased	24.476	24.344	-0.1318
48	100	Unbiased	24.119	24.491	0.3721
49	100	Unbiased	23.623	23.538	-0.0844
50	100	Unbiased	23.451	23.449	-0.002
51	100	Unbiased	23.681	23.817	0.1356
52	100	Unbiased	24.262	24.036	-0.2256
53	0	Correlation	24.216	24.219	0.0033
54	0	Correlation	23.692	23.688	-0.0042
55	0	Correlation	23.709	23.825	0.1157
56	0	Correlation	23.775	23.781	0.0058

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	23.692	23.848	24.216	0.24783	23.688	23.878	24.219	0.23439	-0.0042	0.03015	0.1157	0.057191
3	23.404	23.806	24.405	0.31544	23.386	23.829	24.381	0.31932	-0.0322	0.02314	0.1365	0.062318
10	23.489	23.887	24.274	0.26148	23.502	23.891	24.407	0.30439	-0.1299	0.00383	0.1335	0.090118
30	23.401	23.919	24.201	0.27737	23.469	23.94	24.261	0.30544	-0.1255	0.0216	0.1602	0.089046
50	23.38	23.724	24.297	0.28971	23.38	23.854	24.33	0.28768	-0.0934	0.13026	0.4513	0.16178
100	23.451	24.059	24.476	0.35302	23.449	24.102	24.501	0.38464	-0.2256	0.04337	0.3721	0.16868

Device Test: 5.39; DLY_TMR_10KOHM

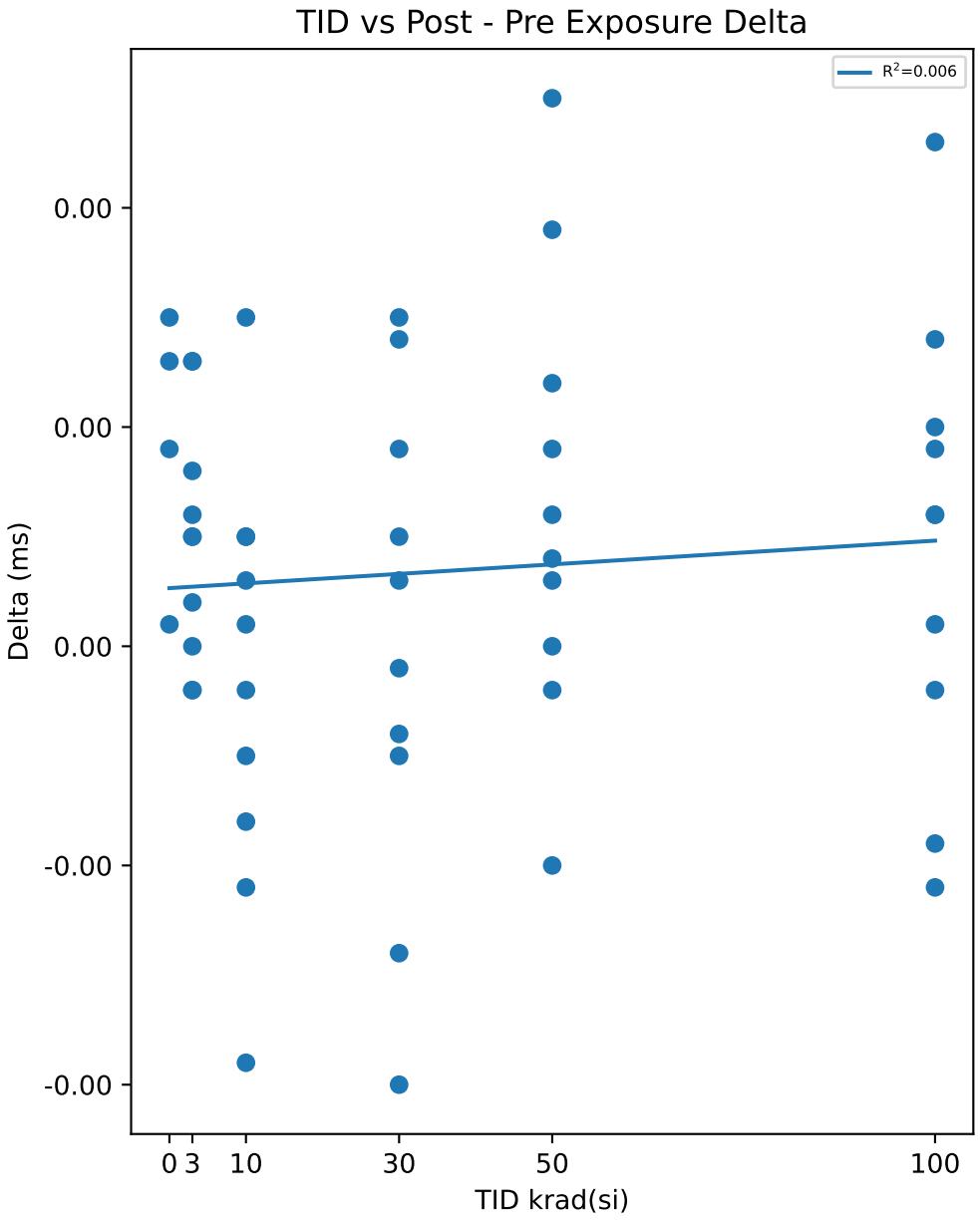
TID vs Result Stats



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

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2558	0.2556	-0.0002
3	3	Biased	0.2536	0.2542	0.0006
4	3	Biased	0.2534	0.2534	0
5	3	Biased	0.2629	0.2642	0.0013
6	3	Biased	0.2612	0.262	0.0008
7	3	Unbiased	0.2621	0.2634	0.0013
8	3	Unbiased	0.2625	0.2627	0.0002
9	3	Unbiased	0.2613	0.2618	0.0005
10	3	Unbiased	0.2621	0.2626	0.0005
11	3	Unbiased	0.2534	0.2532	-0.0002
12	10	Unbiased	0.2603	0.2618	0.0015
13	10	Unbiased	0.2559	0.256	0.0001
14	10	Unbiased	0.2551	0.2549	-0.0002
15	10	Unbiased	0.2627	0.2632	0.0005
16	10	Unbiased	0.2623	0.2626	0.0003
17	10	Biased	0.2639	0.262	-0.0019
18	10	Biased	0.2626	0.2615	-0.0011
19	10	Biased	0.255	0.2555	0.0005
20	10	Biased	0.2622	0.2614	-0.0008
21	10	Biased	0.2625	0.262	-0.0005
22	30	Biased	0.2548	0.2563	0.0015
23	30	Biased	0.2627	0.2613	-0.0014
24	30	Biased	0.2555	0.2554	-0.0001
25	30	Biased	0.2622	0.2627	0.0005
26	30	Biased	0.2645	0.2654	0.0009
27	30	Unbiased	0.2556	0.2559	0.0003
28	30	Unbiased	0.2634	0.2629	-0.0005
29	30	Unbiased	0.2635	0.2631	-0.0004
30	30	Unbiased	0.2631	0.2611	-0.002
31	30	Unbiased	0.2614	0.2628	0.0014
32	50	Biased	0.2559	0.2563	0.0004
33	50	Biased	0.2605	0.2611	0.0006
34	50	Biased	0.2537	0.2562	0.0025
35	50	Biased	0.2561	0.2573	0.0012
36	50	Biased	0.2554	0.2552	-0.0002
37	50	Unbiased	0.2605	0.2624	0.0019
39	50	Unbiased	0.2643	0.2633	-0.001
40	50	Unbiased	0.2627	0.2627	0
41	50	Unbiased	0.262	0.2629	0.0009
42	50	Unbiased	0.2621	0.2624	0.0003
43	100	Biased	0.2551	0.2557	0.0006
44	100	Biased	0.2715	0.2729	0.0014
45	100	Biased	0.2623	0.2646	0.0023
46	100	Biased	0.258	0.2571	-0.0009
47	100	Biased	0.2627	0.2636	0.0009
48	100	Unbiased	0.2623	0.2633	0.001
49	100	Unbiased	0.2612	0.2613	0.0001
50	100	Unbiased	0.256	0.2566	0.0006
51	100	Unbiased	0.2611	0.2609	-0.0002
52	100	Unbiased	0.2642	0.2631	-0.0011
53	0	Correlation	0.261	0.2611	0.0001
54	0	Correlation	0.2613	0.2628	0.0015
55	0	Correlation	0.2613	0.2626	0.0013
56	0	Correlation	0.2538	0.2547	0.0009

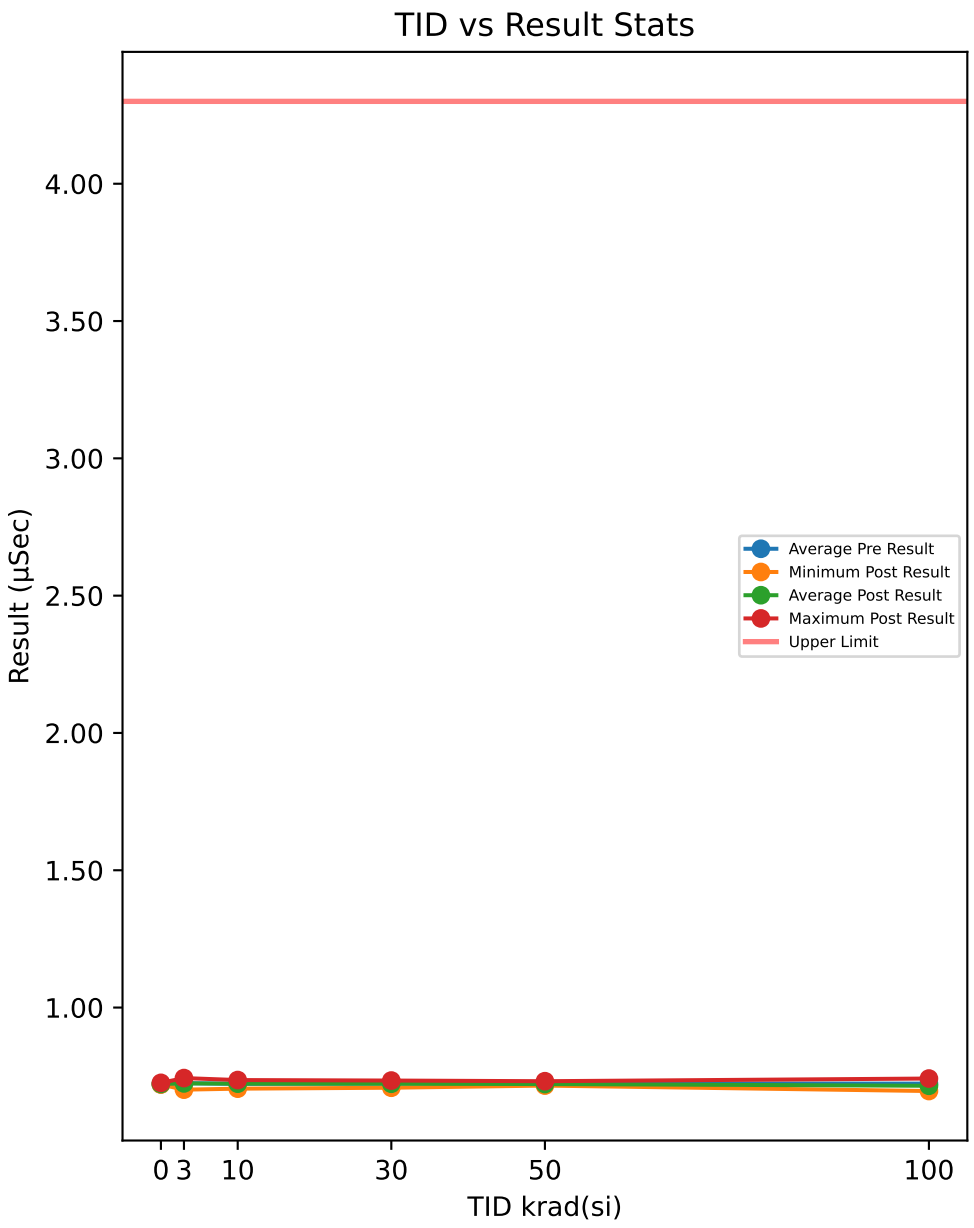
TID vs Post - Pre Exposure Delta

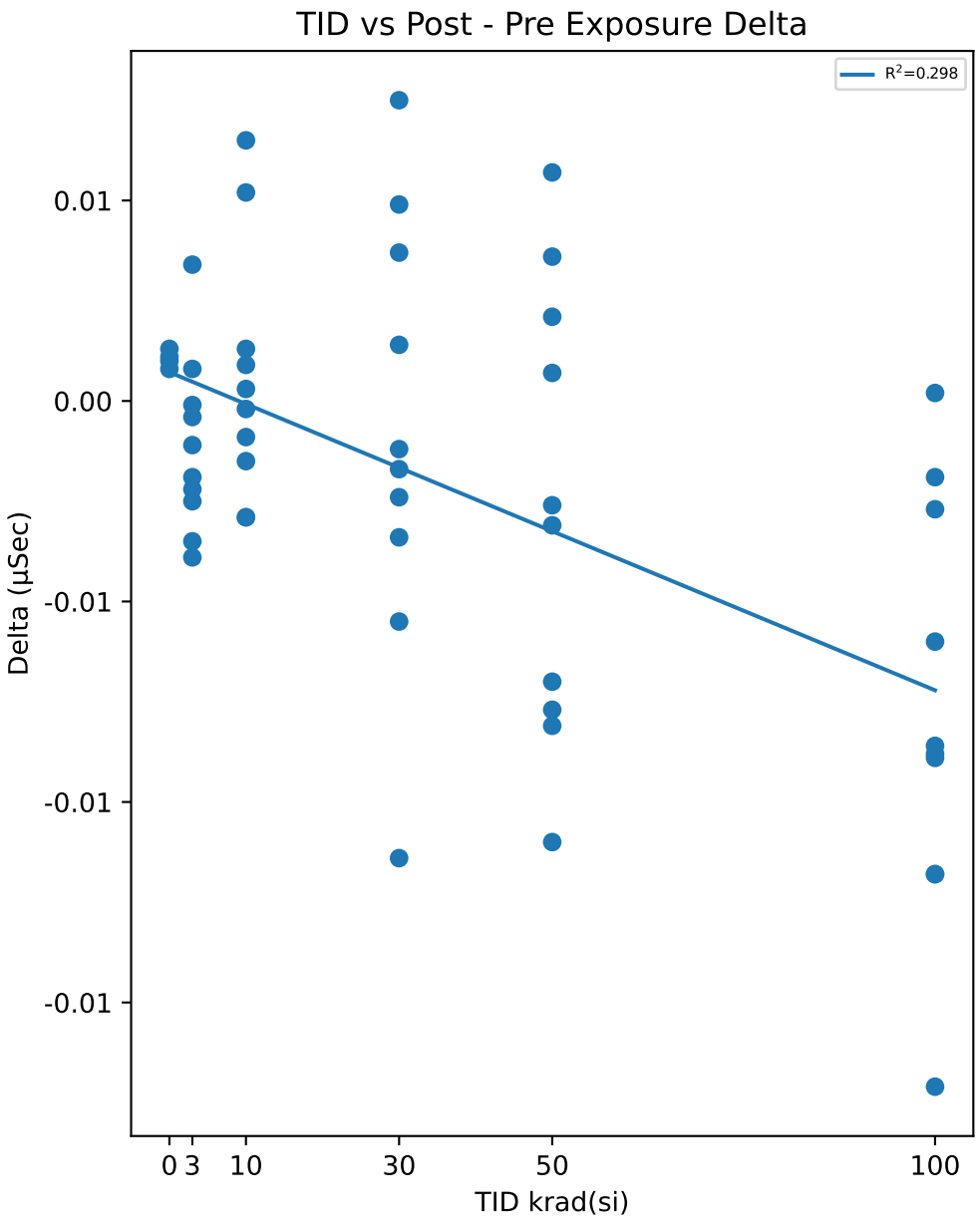


Test Statistics (ms)

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	0.2538	0.25935	0.2613	0.0037027	0.2547	0.2603	0.2628	0.0038096	0.0001	0.00095	0.0015	0.00061914
3	0.2534	0.25883	0.2629	0.0041984	0.2532	0.25931	0.2642	0.0045769	-0.0002	0.00048	0.0013	0.00054732
10	0.255	0.26025	0.2639	0.0035107	0.2549	0.26009	0.2632	0.0032426	-0.0019	-0.00016	0.0015	0.00096287
30	0.2548	0.26067	0.2645	0.0037994	0.2554	0.26069	0.2654	0.0035294	-0.002	2e-05	0.0015	0.0011419
50	0.2537	0.25932	0.2643	0.0036959	0.2552	0.25998	0.2633	0.0032961	-0.001	0.00066	0.0025	0.0010222
100	0.2551	0.26144	0.2715	0.004639	0.2557	0.26191	0.2729	0.0050057	-0.0011	0.00047	0.0023	0.001035

Device Test: 5.4; PROPD_RESET





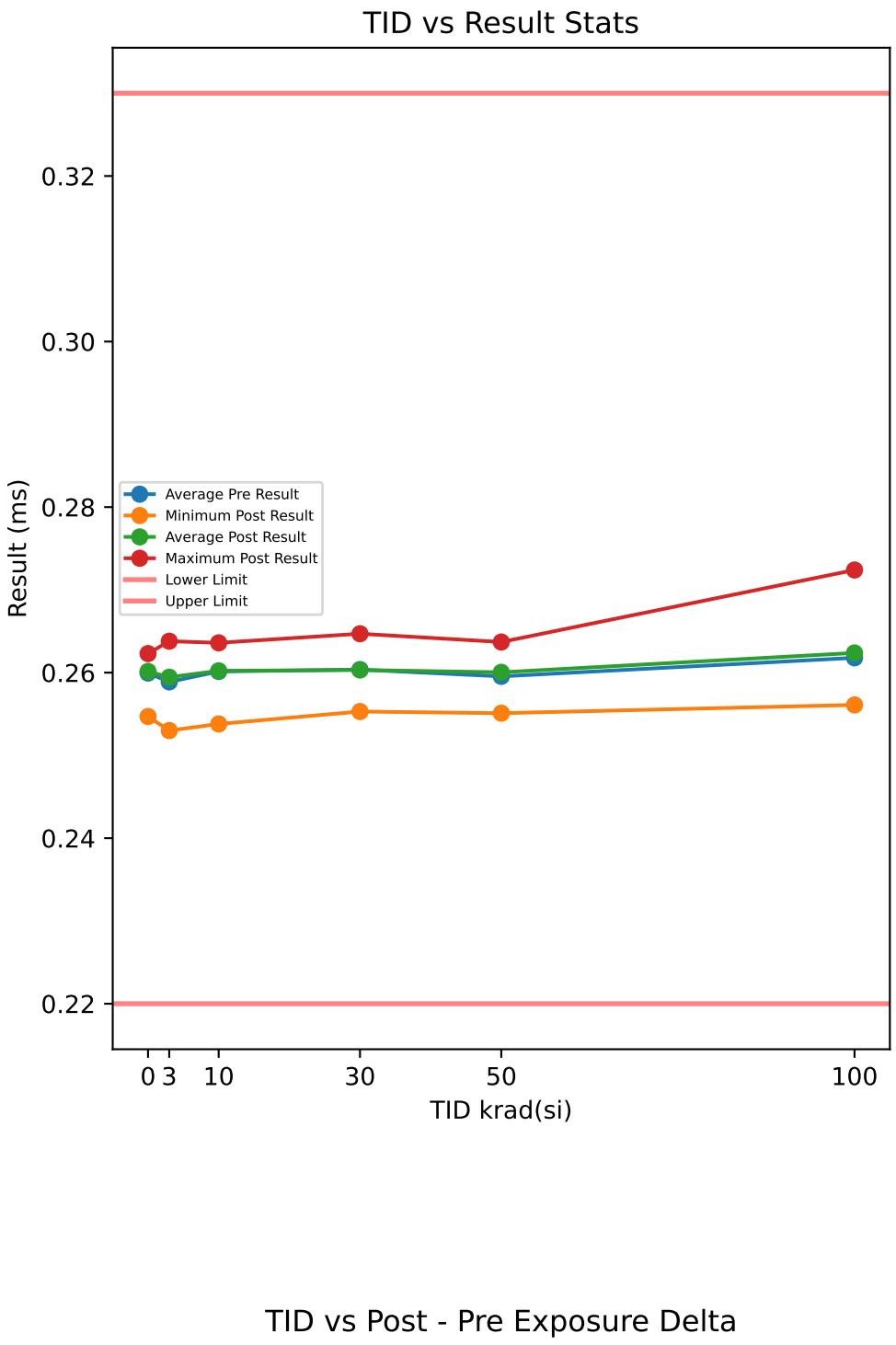
Test Results (Upper Limit = 4.3 (µSec))

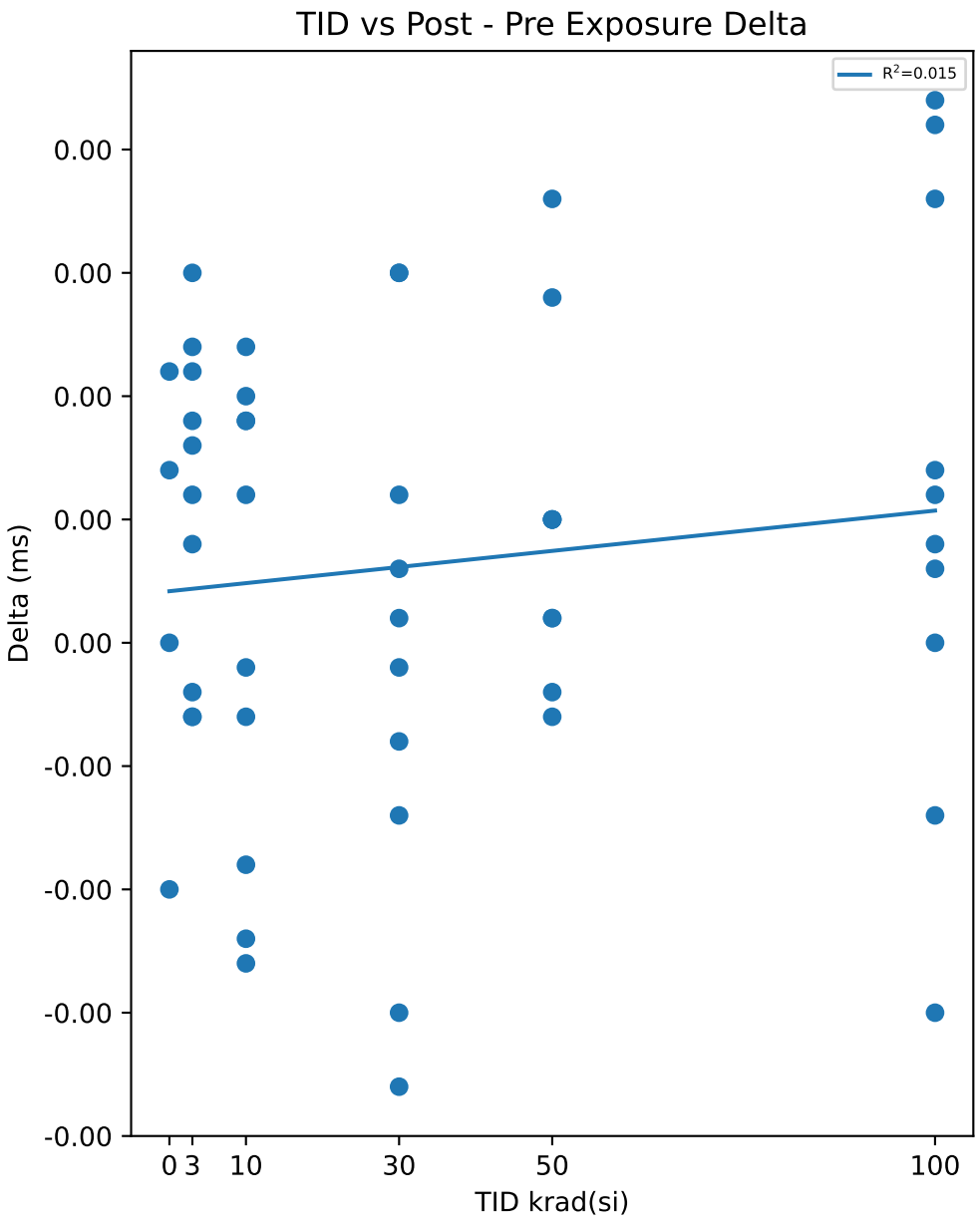
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7457	0.7432	-0.0025
3	3	Biased	0.7177	0.7155	-0.0022
4	3	Biased	0.7455	0.742	-0.0035
5	3	Biased	0.7222	0.7183	-0.0039
6	3	Biased	0.7173	0.7181	0.0008
7	3	Unbiased	0.7325	0.7306	-0.0019
8	3	Unbiased	0.7159	0.7155	-0.0004
9	3	Unbiased	0.7113	0.7112	-0.0001
10	3	Unbiased	0.7386	0.742	0.0034
11	3	Unbiased	0.7021	0.701	-0.0011
12	10	Unbiased	0.7255	0.732	0.0065
13	10	Unbiased	0.7187	0.7172	-0.0015
14	10	Unbiased	0.7342	0.7313	-0.0029
15	10	Unbiased	0.7354	0.7352	-0.0002
16	10	Unbiased	0.7191	0.72	0.0009
17	10	Biased	0.7211	0.7214	0.0003
18	10	Biased	0.7052	0.7065	0.0013
19	10	Biased	0.7369	0.736	-0.0009
20	10	Biased	0.7189	0.7241	0.0052
21	10	Biased	0.7075	0.7046	-0.0029
22	30	Biased	0.7138	0.7083	-0.0055
23	30	Biased	0.7264	0.7278	0.0014
24	30	Biased	0.7182	0.717	-0.0012
25	30	Biased	0.7301	0.7284	-0.0017
26	30	Biased	0.7005	0.708	0.0075
27	30	Unbiased	0.7305	0.7342	0.0037
28	30	Unbiased	0.7309	0.7275	-0.0034
29	30	Unbiased	0.7202	0.7178	-0.0024
30	30	Unbiased	0.7384	0.727	-0.0114
31	30	Unbiased	0.7246	0.7295	0.0049
32	50	Biased	0.7273	0.7163	-0.011
33	50	Biased	0.7162	0.7198	0.0036
34	50	Biased	0.7223	0.7244	0.0021
35	50	Biased	0.7207	0.7176	-0.0031
36	50	Biased	0.7239	0.7158	-0.0081
37	50	Unbiased	0.7275	0.7249	-0.0026
39	50	Unbiased	0.7261	0.7318	0.0057
40	50	Unbiased	0.7223	0.723	0.0007
41	50	Unbiased	0.7277	0.7207	-0.007
42	50	Unbiased	0.7279	0.7202	-0.0077
43	100	Biased	0.7195	0.7135	-0.006
44	100	Biased	0.7208	0.709	-0.0118
45	100	Biased	0.7078	0.696	-0.0118
46	100	Biased	0.7434	0.7415	-0.0019
47	100	Biased	0.7245	0.7218	-0.0027
48	100	Unbiased	0.7217	0.7131	-0.0086
49	100	Unbiased	0.7184	0.7095	-0.0089
50	100	Unbiased	0.7385	0.7214	-0.0171
51	100	Unbiased	0.7141	0.7053	-0.0088
52	100	Unbiased	0.7202	0.7204	0.0002
53	0	Correlation	0.7245	0.7258	0.0013
54	0	Correlation	0.7211	0.7221	0.001
55	0	Correlation	0.7189	0.7197	0.0008
56	0	Correlation	0.7188	0.7199	0.0011

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7188	0.72083	0.7245	0.00267	0.7197	0.72188	0.7258	0.0028336	0.0008	0.00105	0.0013	0.00020817
3	0.7021	0.72488	0.7457	0.014926	0.701	0.72374	0.7432	0.014773	-0.0039	-0.00114	0.0034	0.0021793
10	0.7052	0.72225	0.7369	0.010976	0.7046	0.72283	0.736	0.011179	-0.0029	0.00058	0.0065	0.0031347
30	0.7005	0.72336	0.7384	0.010754	0.708	0.72255	0.7342	0.0091787	-0.0114	-0.00081	0.0075	0.0054895
50	0.7162	0.72419	0.7279	0.003853	0.7158	0.72145	0.7318	0.0048102	-0.011	-0.00274	0.0057	0.0056425
100	0.7078	0.72289	0.7434	0.010628	0.696	0.71515	0.7415	0.012227	-0.0171	-0.00774	0.0002	0.0052638

Device Test: 5.40; DLY_TMR_10KOHM





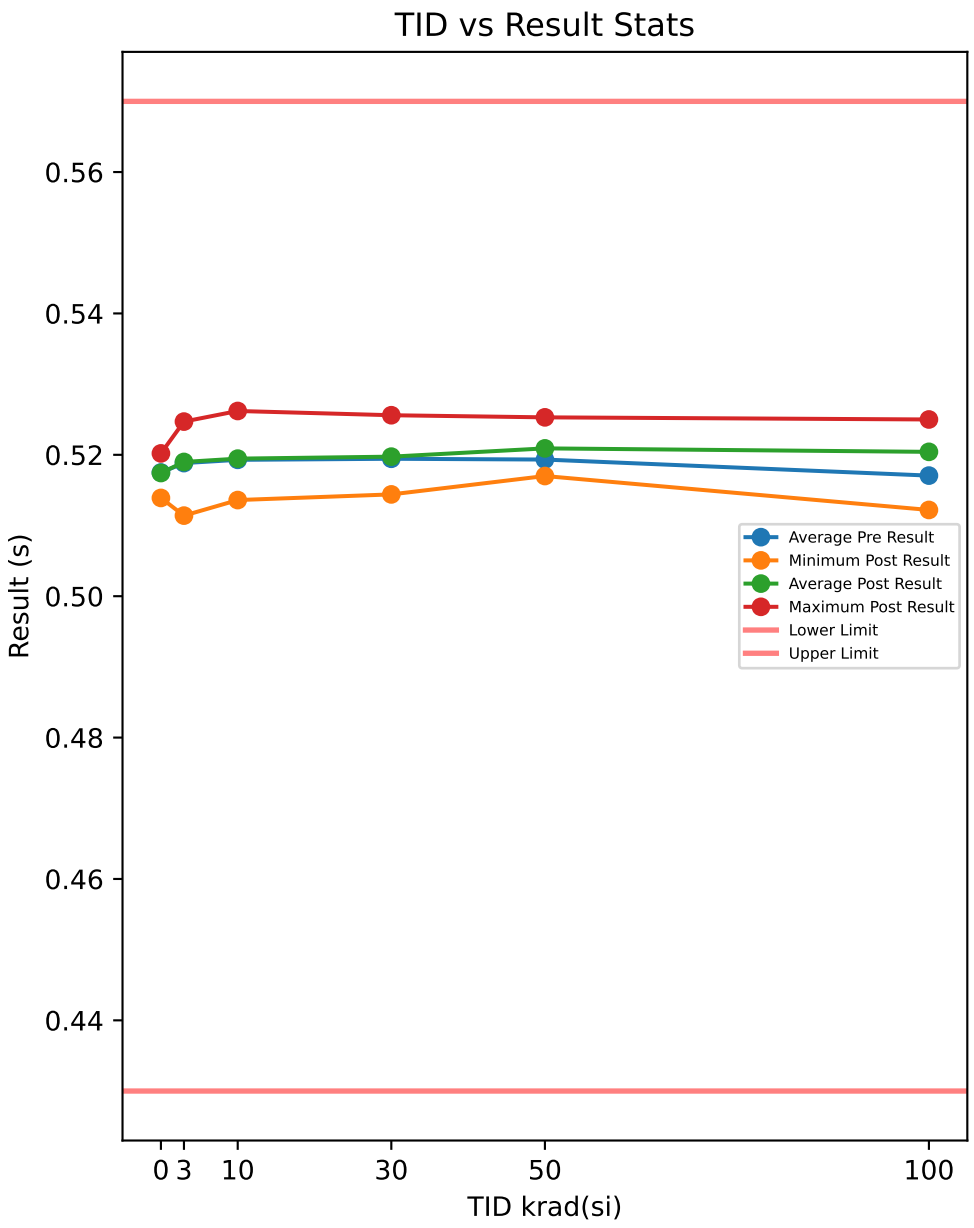
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

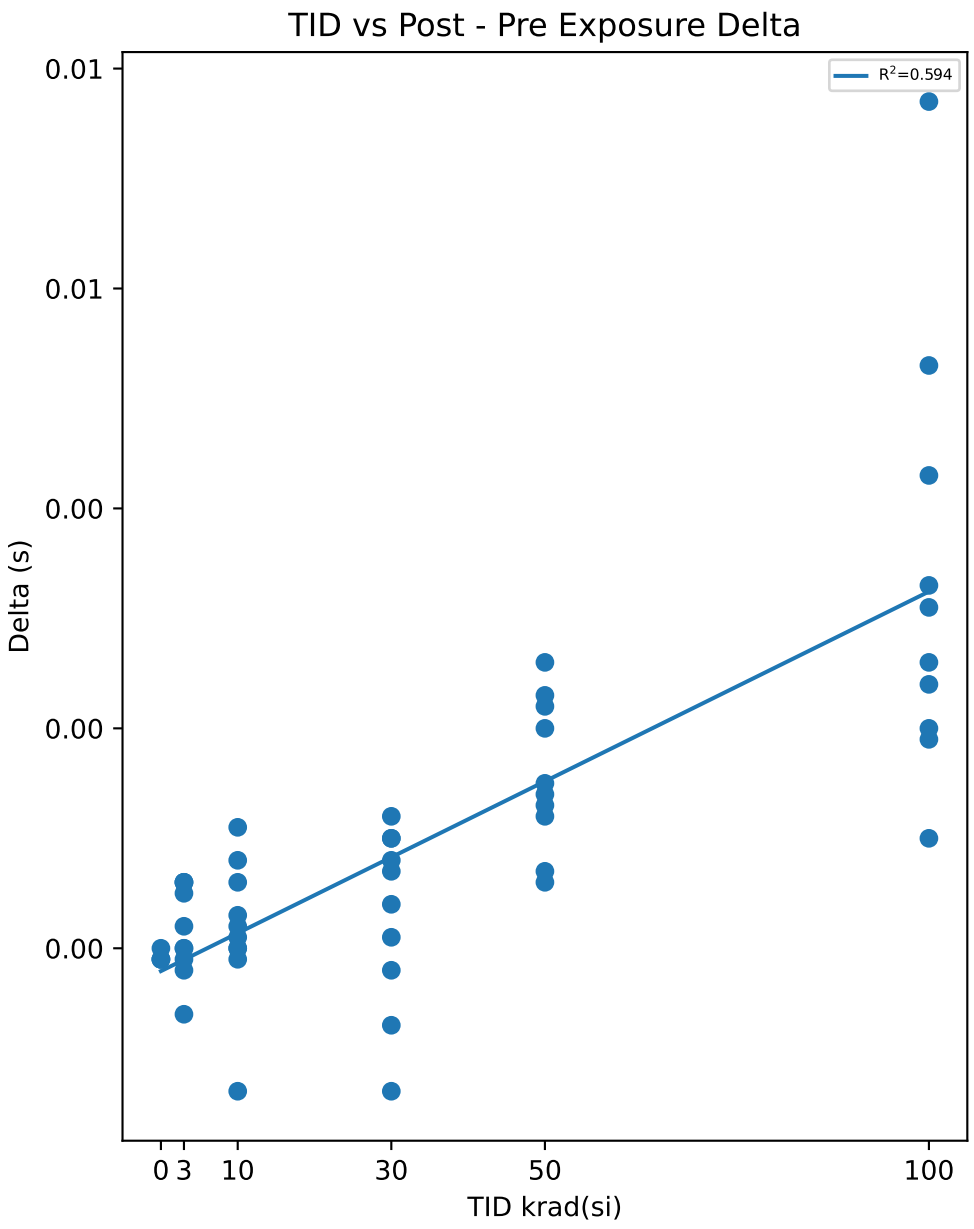
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2556	0.256	0.0004
3	3	Biased	0.2524	0.2536	0.0012
4	3	Biased	0.2532	0.253	-0.0002
5	3	Biased	0.2627	0.2636	0.0009
6	3	Biased	0.2615	0.2623	0.0008
7	3	Unbiased	0.2627	0.2633	0.0006
8	3	Unbiased	0.2623	0.2638	0.0015
9	3	Unbiased	0.2614	0.2625	0.0011
10	3	Unbiased	0.2629	0.2626	-0.0003
11	3	Unbiased	0.2541	0.2538	-0.0003
12	10	Unbiased	0.2606	0.2615	0.0009
13	10	Unbiased	0.2553	0.2565	0.0012
14	10	Unbiased	0.2552	0.2551	-0.0001
15	10	Unbiased	0.2626	0.2636	0.001
16	10	Unbiased	0.2627	0.2615	-0.0012
17	10	Biased	0.2625	0.2634	0.0009
18	10	Biased	0.2616	0.2622	0.0006
19	10	Biased	0.2551	0.2538	-0.0013
20	10	Biased	0.2621	0.2612	-0.0009
21	10	Biased	0.2637	0.2634	-0.0003
22	30	Biased	0.255	0.2553	0.0003
23	30	Biased	0.2626	0.2622	-0.0004
24	30	Biased	0.2545	0.256	0.0015
25	30	Biased	0.2618	0.2611	-0.0007
26	30	Biased	0.2648	0.2647	-0.0001
27	30	Unbiased	0.2553	0.2554	0.0001
28	30	Unbiased	0.2633	0.2618	-0.0015
29	30	Unbiased	0.2622	0.2628	0.0006
30	30	Unbiased	0.2627	0.2609	-0.0018
31	30	Unbiased	0.2615	0.263	0.0015
32	50	Biased	0.2546	0.2551	0.0005
33	50	Biased	0.2621	0.2626	0.0005
34	50	Biased	0.2544	0.2558	0.0014
35	50	Biased	0.2564	0.2569	0.0005
36	50	Biased	0.2567	0.2564	-0.0003
37	50	Unbiased	0.2607	0.2625	0.0018
39	50	Unbiased	0.2639	0.2637	-0.0002
40	50	Unbiased	0.2629	0.263	0.0001
41	50	Unbiased	0.2619	0.262	0.0001
42	50	Unbiased	0.2619	0.2624	0.0005
43	100	Biased	0.2561	0.2561	0
44	100	Biased	0.2731	0.2724	-0.0007
45	100	Biased	0.2632	0.2654	0.0022
46	100	Biased	0.2566	0.257	0.0004
47	100	Biased	0.2627	0.2645	0.0018
48	100	Unbiased	0.2619	0.264	0.0021
49	100	Unbiased	0.2619	0.2625	0.0006
50	100	Unbiased	0.2562	0.2565	0.0003
51	100	Unbiased	0.2613	0.262	0.0007
52	100	Unbiased	0.2649	0.2634	-0.0015
53	0	Correlation	0.262	0.262	0
54	0	Correlation	0.2626	0.2616	-0.001
55	0	Correlation	0.2612	0.2623	0.0011
56	0	Correlation	0.254	0.2547	0.0007

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	0.25995	0.2626	0.0040079	0.2547	0.26015	0.2623	0.0036446	-0.001	0.0002	0.0011	0.00092014
3	0.2524	0.25888	0.2629	0.0044487	0.253	0.25945	0.2638	0.00469	-0.0003	0.00057	0.0015	0.00065328
10	0.2551	0.26014	0.2637	0.0035002	0.2538	0.26022	0.2636	0.0036678	-0.0013	8e-05	0.0012	0.00096586
30	0.2545	0.26037	0.2648	0.0038627	0.2553	0.26032	0.2647	0.0034521	-0.0018	-5e-05	0.0015	0.0011098
50	0.2544	0.25955	0.2639	0.0036222	0.2551	0.26004	0.2637	0.0034907	-0.0003	0.00049	0.0018	0.0006624
100	0.2561	0.26179	0.2731	0.0050687	0.2561	0.26238	0.2724	0.0049531	-0.0015	0.00059	0.0022	0.0011949

Device Test: 5.41; WD_TMR_10KOHM





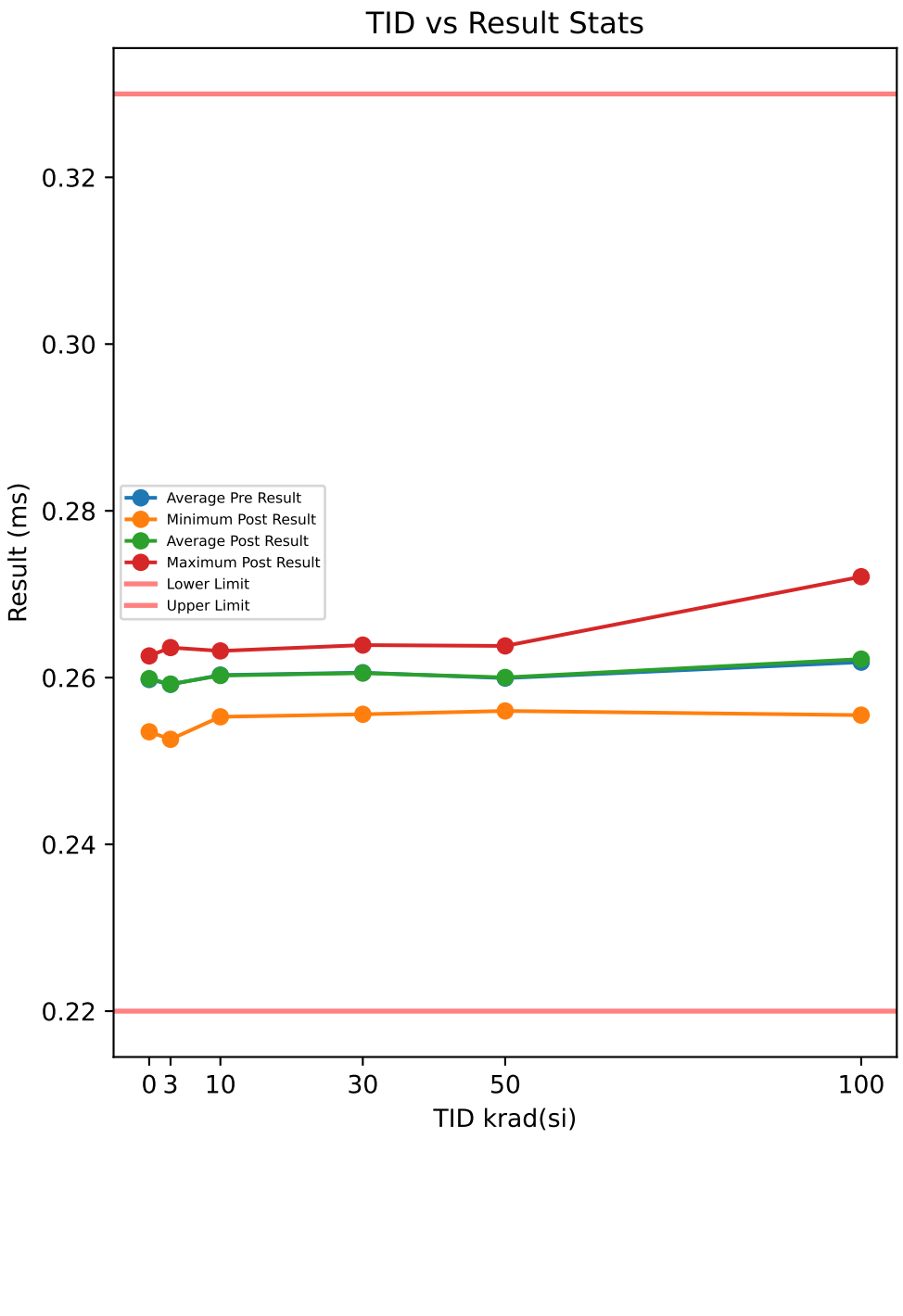
Test Results (Lower Limit = 0.43, Upper Limit = 0.57 (s))

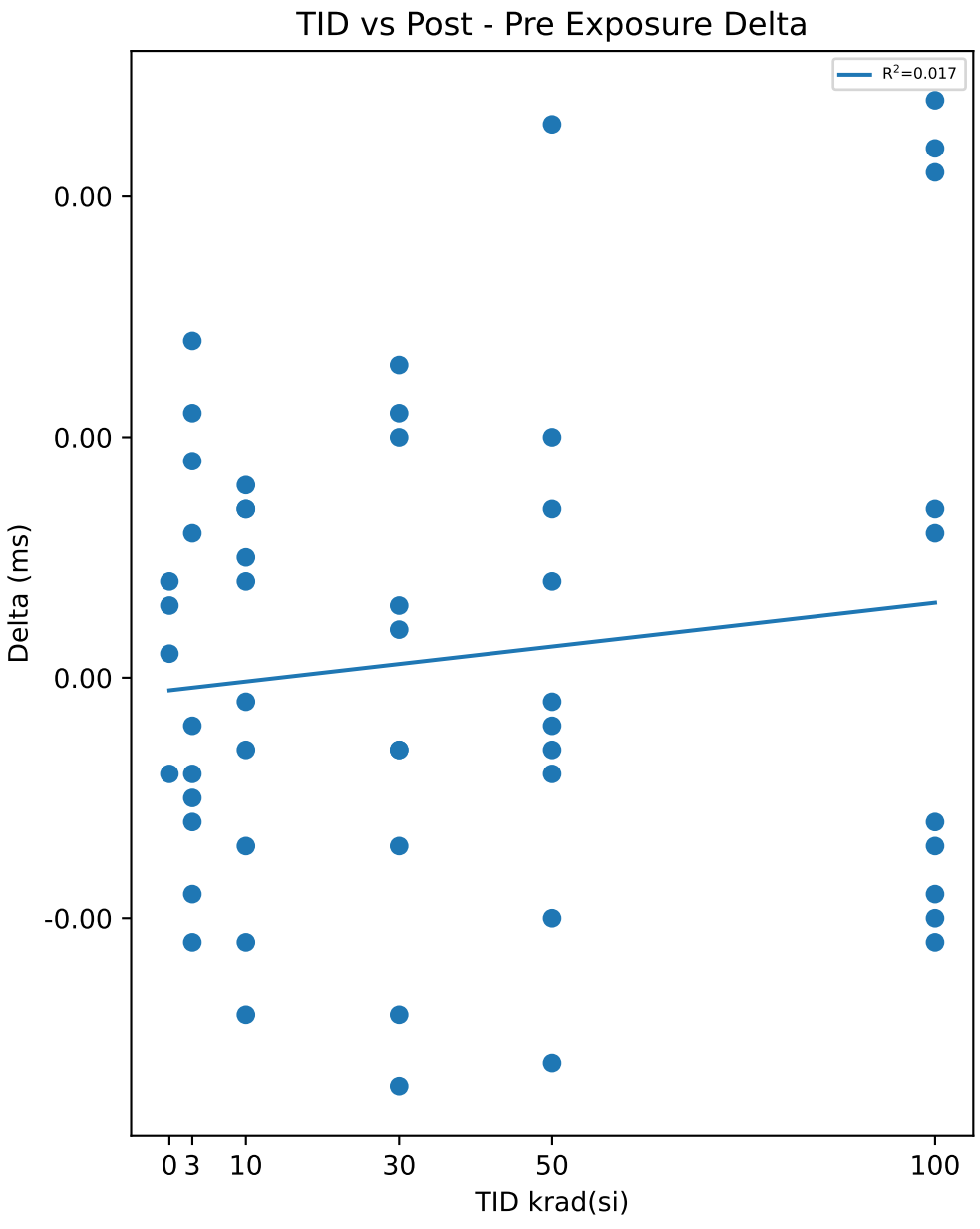
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.519	0.5195	0.0005
3	3	Biased	0.5191	0.5191	0
4	3	Biased	0.5208	0.5207	-0.0001
5	3	Biased	0.5108	0.5114	0.0006
6	3	Biased	0.5241	0.5247	0.0006
7	3	Unbiased	0.5173	0.5167	-0.0006
8	3	Unbiased	0.5155	0.5161	0.0006
9	3	Unbiased	0.5216	0.5218	0.0002
10	3	Unbiased	0.5199	0.5197	-0.0002
11	3	Unbiased	0.5202	0.5202	0
12	10	Unbiased	0.5194	0.5181	-0.0013
13	10	Unbiased	0.5262	0.5262	0
14	10	Unbiased	0.5182	0.519	0.0008
15	10	Unbiased	0.5153	0.5154	0.0001
16	10	Unbiased	0.5162	0.5168	0.0006
17	10	Biased	0.5206	0.5217	0.0011
18	10	Biased	0.5133	0.5136	0.0003
19	10	Biased	0.5228	0.5228	0
20	10	Biased	0.5179	0.5178	-0.0001
21	10	Biased	0.523	0.5232	0.0002
22	30	Biased	0.515	0.5151	0.0001
23	30	Biased	0.5146	0.5144	-0.0002
24	30	Biased	0.5263	0.525	-0.0013
25	30	Biased	0.5167	0.5174	0.0007
26	30	Biased	0.5219	0.5223	0.0004
27	30	Unbiased	0.5208	0.5218	0.001
28	30	Unbiased	0.5248	0.5256	0.0008
29	30	Unbiased	0.5166	0.5178	0.0012
30	30	Unbiased	0.5187	0.5197	0.001
31	30	Unbiased	0.519	0.5183	-0.0007
32	50	Biased	0.516	0.518	0.002
33	50	Biased	0.5157	0.517	0.0013
34	50	Biased	0.5174	0.5188	0.0014
35	50	Biased	0.5193	0.5208	0.0015
36	50	Biased	0.5222	0.5234	0.0012
37	50	Unbiased	0.5203	0.5229	0.0026
39	50	Unbiased	0.5182	0.5189	0.0007
40	50	Unbiased	0.5202	0.5208	0.0006
41	50	Unbiased	0.523	0.5253	0.0023
42	50	Unbiased	0.521	0.5232	0.0022
43	100	Biased	0.5131	0.5184	0.0053
44	100	Biased	0.5209	0.5219	0.001
45	100	Biased	0.5207	0.525	0.0043
46	100	Biased	0.5145	0.5164	0.0019
47	100	Biased	0.5194	0.5225	0.0031
48	100	Unbiased	0.5191	0.5215	0.0024
49	100	Unbiased	0.5197	0.5223	0.0026
50	100	Unbiased	0.517	0.5203	0.0033
51	100	Unbiased	0.516	0.5237	0.0077
52	100	Unbiased	0.5102	0.5122	0.002
53	0	Correlation	0.5203	0.5202	-0.0001
54	0	Correlation	0.5139	0.5139	0
55	0	Correlation	0.516	0.5159	-0.0001
56	0	Correlation	0.5198	0.5197	-0.0001

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	0.5139	0.5175	0.5203	0.0030735	0.5139	0.51743	0.5202	0.0030347	-0.0001	-7.5e-05	0	5e-05
3	0.5108	0.51883	0.5241	0.003657	0.5114	0.51899	0.5247	0.0036035	-0.0006	0.00016	0.0006	0.0004115
10	0.5133	0.51929	0.5262	0.0039445	0.5136	0.51946	0.5262	0.0039201	-0.0013	0.00017	0.0011	0.00064644
30	0.5146	0.51944	0.5263	0.0039881	0.5144	0.51974	0.5256	0.003861	-0.0013	0.0003	0.0012	0.00082057
50	0.5157	0.51933	0.523	0.0024824	0.517	0.52091	0.5253	0.0027274	0.0006	0.00158	0.0026	0.00067626
100	0.5102	0.51706	0.5209	0.003575	0.5122	0.52042	0.525	0.0038119	0.001	0.00336	0.0077	0.0019608

Device Test: 5.42; DLY_TMR_10KOHM





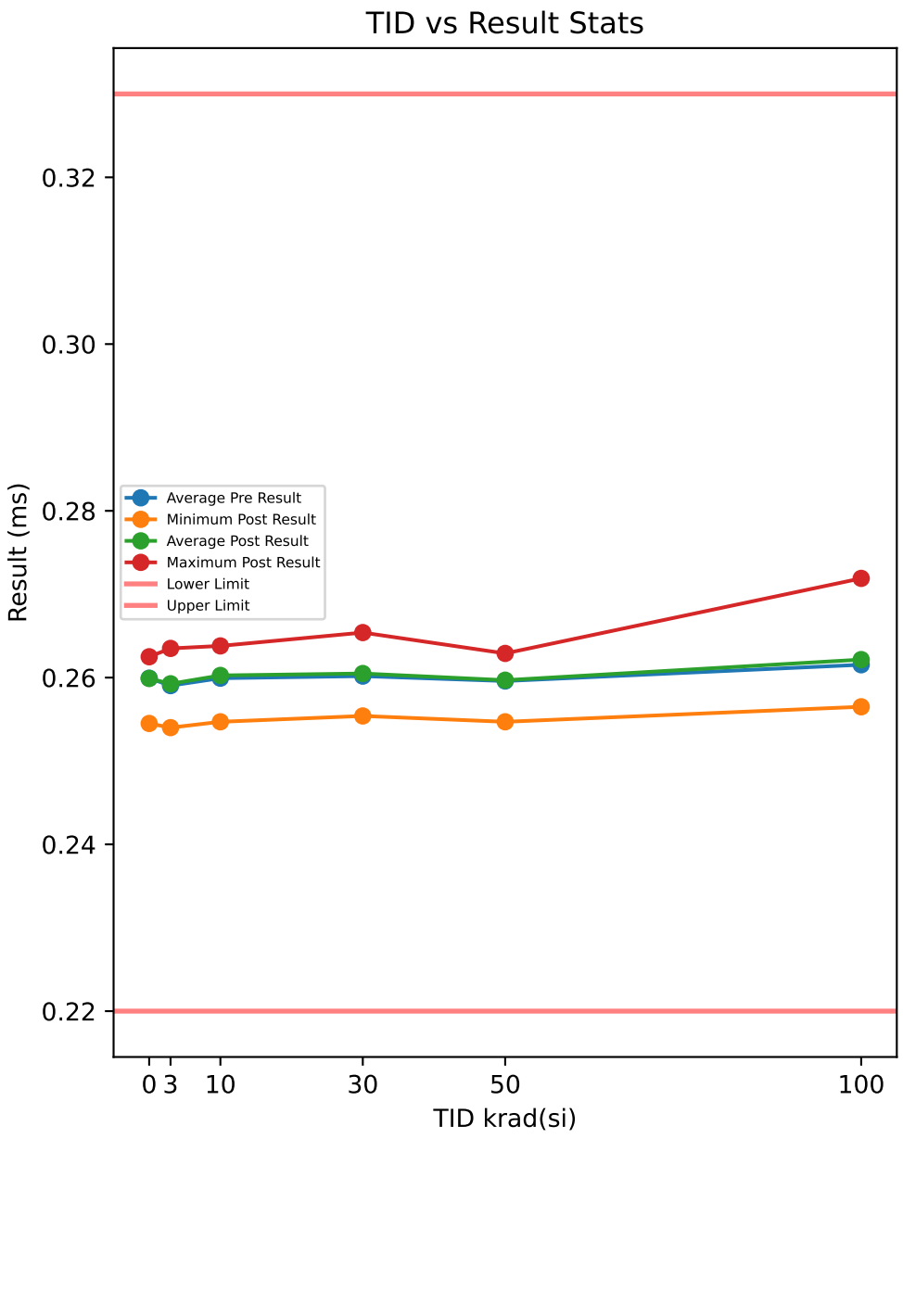
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

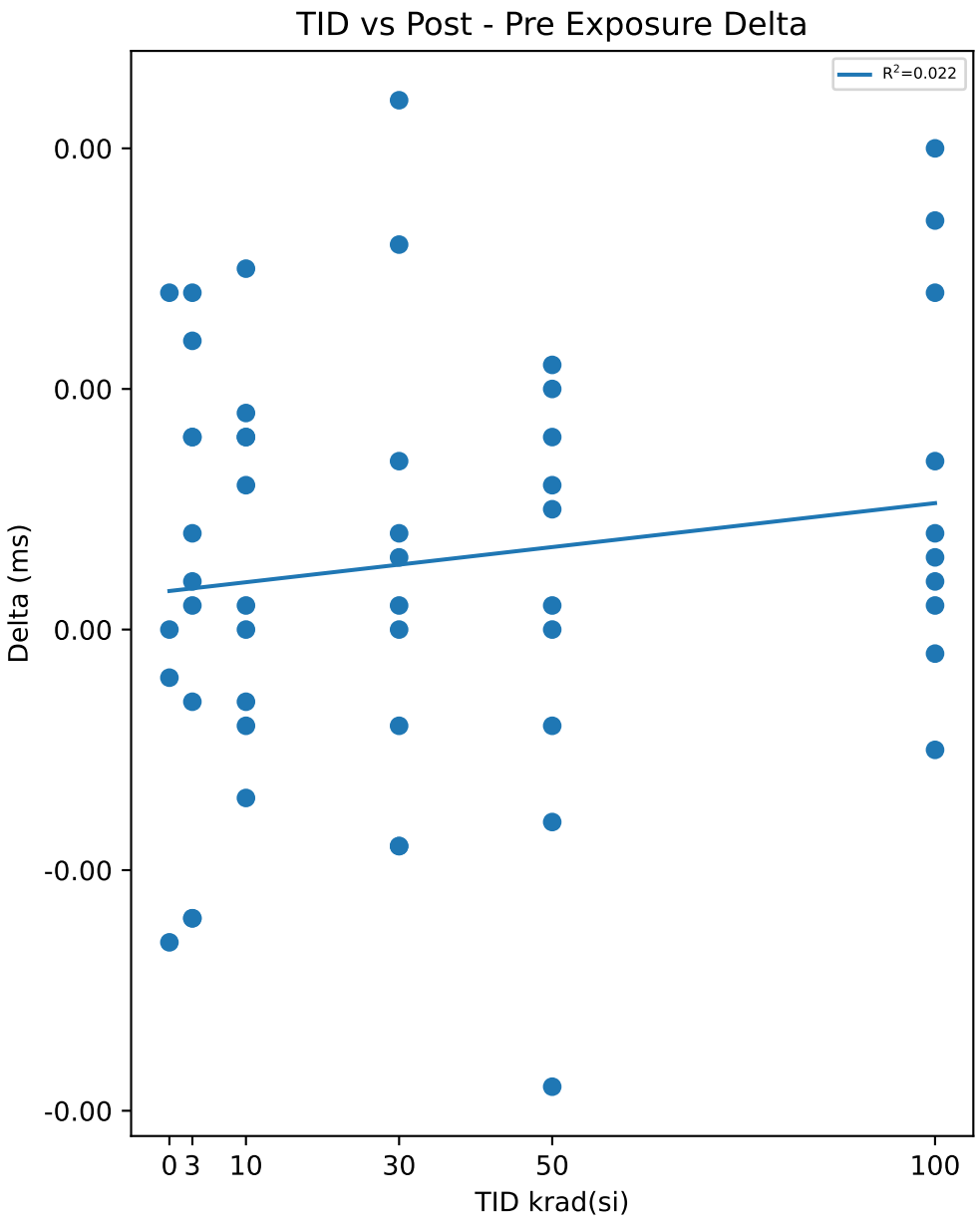
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2561	0.2556	-0.0005
3	3	Biased	0.253	0.2526	-0.0004
4	3	Biased	0.2536	0.2542	0.0006
5	3	Biased	0.2638	0.2636	-0.0002
6	3	Biased	0.2616	0.2627	0.0011
7	3	Unbiased	0.2627	0.2636	0.0009
8	3	Unbiased	0.2634	0.2623	-0.0011
9	3	Unbiased	0.2619	0.2613	-0.0006
10	3	Unbiased	0.2615	0.2629	0.0014
11	3	Unbiased	0.2543	0.2534	-0.0009
12	10	Unbiased	0.2615	0.2619	0.0004
13	10	Unbiased	0.2566	0.2565	-0.0001
14	10	Unbiased	0.2564	0.2553	-0.0011
15	10	Unbiased	0.2636	0.2622	-0.0014
16	10	Unbiased	0.2622	0.2619	-0.0003
17	10	Biased	0.2629	0.2622	-0.0007
18	10	Biased	0.2621	0.2626	0.0005
19	10	Biased	0.2546	0.2553	0.0007
20	10	Biased	0.2607	0.2614	0.0007
21	10	Biased	0.2624	0.2632	0.0008
22	30	Biased	0.2555	0.2558	0.0003
23	30	Biased	0.263	0.2627	-0.0003
24	30	Biased	0.2546	0.2556	0.001
25	30	Biased	0.2626	0.2623	-0.0003
26	30	Biased	0.2646	0.2639	-0.0007
27	30	Unbiased	0.2554	0.2556	0.0002
28	30	Unbiased	0.2635	0.2618	-0.0017
29	30	Unbiased	0.2624	0.2637	0.0013
30	30	Unbiased	0.2613	0.2624	0.0011
31	30	Unbiased	0.263	0.2616	-0.0014
32	50	Biased	0.2562	0.256	-0.0002
33	50	Biased	0.262	0.2617	-0.0003
34	50	Biased	0.2538	0.2561	0.0023
35	50	Biased	0.2561	0.2568	0.0007
36	50	Biased	0.2557	0.2561	0.0004
37	50	Unbiased	0.2623	0.2613	-0.001
39	50	Unbiased	0.2637	0.2633	-0.0004
40	50	Unbiased	0.2632	0.2631	-0.0001
41	50	Unbiased	0.2628	0.2638	0.001
42	50	Unbiased	0.2636	0.262	-0.0016
43	100	Biased	0.2566	0.2555	-0.0011
44	100	Biased	0.2727	0.2721	-0.0006
45	100	Biased	0.2628	0.2652	0.0024
46	100	Biased	0.2581	0.2572	-0.0009
47	100	Biased	0.2625	0.2646	0.0021
48	100	Unbiased	0.2634	0.2627	-0.0007
49	100	Unbiased	0.2604	0.2626	0.0022
50	100	Unbiased	0.2558	0.2565	0.0007
51	100	Unbiased	0.2613	0.2619	0.0006
52	100	Unbiased	0.2649	0.2639	-0.001
53	0	Correlation	0.2614	0.2615	0.0001
54	0	Correlation	0.2616	0.2619	0.0003
55	0	Correlation	0.2622	0.2626	0.0004
56	0	Correlation	0.2539	0.2535	-0.0004

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	0.2539	0.25977	0.2622	0.0039314	0.2535	0.25988	0.2626	0.0042742	-0.0004	0.0001	0.0004	0.0003559
3	0.253	0.25919	0.2638	0.0043819	0.2526	0.25922	0.2636	0.0046408	-0.0011	3e-05	0.0014	0.000892
10	0.2546	0.2603	0.2636	0.0031955	0.2553	0.26025	0.2632	0.0031914	-0.0014	-5e-05	0.0008	0.00080035
30	0.2546	0.26059	0.2646	0.00384	0.2556	0.26054	0.2639	0.0034397	-0.0017	-5e-05	0.0013	0.0010288
50	0.2538	0.25994	0.2637	0.003952	0.256	0.26002	0.2638	0.0033363	-0.0016	8e-05	0.0023	0.0010922
100	0.2558	0.26185	0.2727	0.0048464	0.2555	0.26222	0.2721	0.0049277	-0.0011	0.00037	0.0024	0.0014283

Device Test: 5.43; DLY_TMR_10KOHM





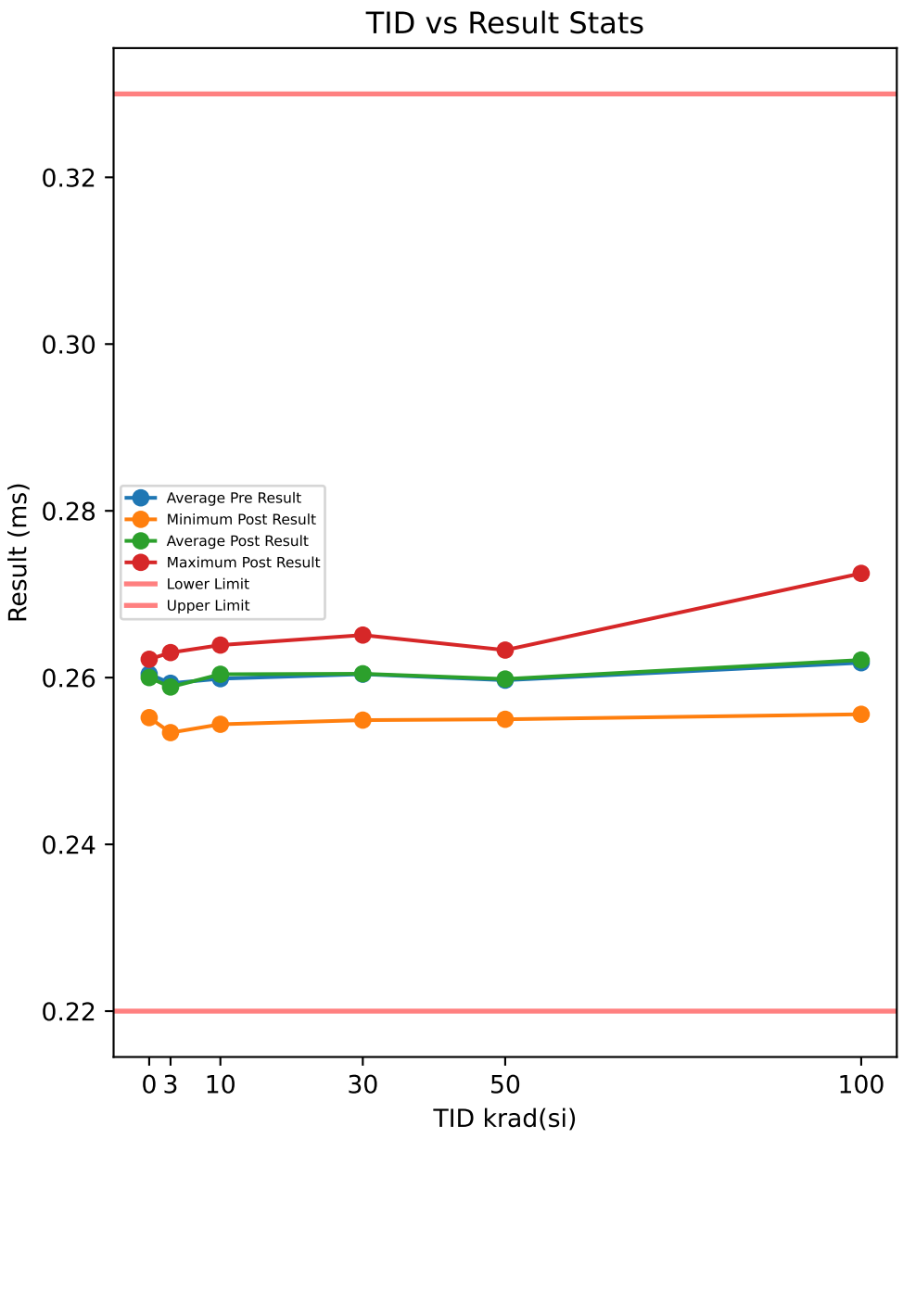
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

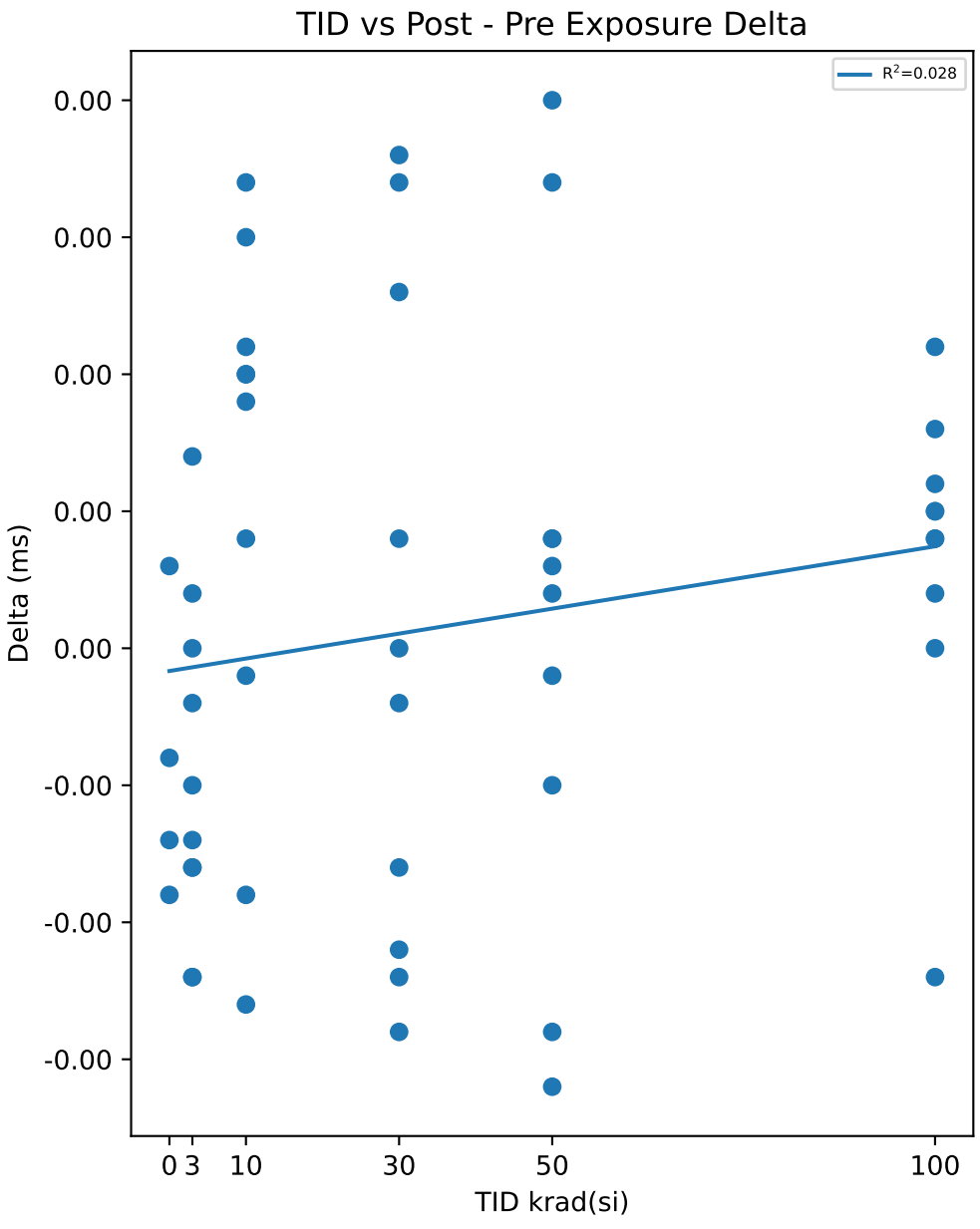
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2562	0.255	-0.0012
3	3	Biased	0.2536	0.254	0.0004
4	3	Biased	0.2536	0.2548	0.0012
5	3	Biased	0.2634	0.2635	0.0001
6	3	Biased	0.2625	0.2622	-0.0003
7	3	Unbiased	0.2621	0.2629	0.0008
8	3	Unbiased	0.2627	0.2629	0.0002
9	3	Unbiased	0.262	0.2608	-0.0012
10	3	Unbiased	0.2611	0.2625	0.0014
11	3	Unbiased	0.2532	0.254	0.0008
12	10	Unbiased	0.2607	0.2615	0.0008
13	10	Unbiased	0.2558	0.2555	-0.0003
14	10	Unbiased	0.2557	0.255	-0.0007
15	10	Unbiased	0.2624	0.2624	0
16	10	Unbiased	0.2622	0.2631	0.0009
17	10	Biased	0.2637	0.2638	0.0001
18	10	Biased	0.2612	0.262	0.0008
19	10	Biased	0.2551	0.2547	-0.0004
20	10	Biased	0.2606	0.2612	0.0006
21	10	Biased	0.2619	0.2634	0.0015
22	30	Biased	0.2547	0.2569	0.0022
23	30	Biased	0.2621	0.2622	0.0001
24	30	Biased	0.2552	0.2556	0.0004
25	30	Biased	0.2614	0.2621	0.0007
26	30	Biased	0.2638	0.2654	0.0016
27	30	Unbiased	0.2551	0.2554	0.0003
28	30	Unbiased	0.2623	0.2623	0
29	30	Unbiased	0.2631	0.2622	-0.0009
30	30	Unbiased	0.2616	0.2612	-0.0004
31	30	Unbiased	0.2625	0.2616	-0.0009
32	50	Biased	0.2555	0.2551	-0.0004
33	50	Biased	0.262	0.262	0
34	50	Biased	0.2541	0.2547	0.0006
35	50	Biased	0.2565	0.2573	0.0008
36	50	Biased	0.2555	0.256	0.0005
37	50	Unbiased	0.2611	0.2622	0.0011
39	50	Unbiased	0.2644	0.2625	-0.0019
40	50	Unbiased	0.2617	0.2618	0.0001
41	50	Unbiased	0.2619	0.2629	0.001
42	50	Unbiased	0.2632	0.2624	-0.0008
43	100	Biased	0.2548	0.2565	0.0017
44	100	Biased	0.2724	0.2719	-0.0005
45	100	Biased	0.2636	0.264	0.0004
46	100	Biased	0.2567	0.2581	0.0014
47	100	Biased	0.2644	0.2645	0.0001
48	100	Unbiased	0.2624	0.2627	0.0003
49	100	Unbiased	0.2613	0.2615	0.0002
50	100	Unbiased	0.2549	0.2569	0.002
51	100	Unbiased	0.2616	0.2615	-0.0001
52	100	Unbiased	0.2633	0.264	0.0007
53	0	Correlation	0.2621	0.2608	-0.0013
54	0	Correlation	0.2611	0.2625	0.0014
55	0	Correlation	0.262	0.2618	-0.0002
56	0	Correlation	0.2545	0.2545	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	0.2545	0.25993	0.2621	0.0036445	0.2545	0.2599	0.2625	0.003667	-0.0013	-2.5e-05	0.0014	0.0011087
3	0.2532	0.25904	0.2634	0.0043218	0.254	0.25926	0.2635	0.004208	-0.0012	0.00022	0.0014	0.00090529
10	0.2551	0.25993	0.2637	0.0031672	0.2547	0.26026	0.2638	0.0036776	-0.0007	0.00033	0.0015	0.0006961
30	0.2547	0.26018	0.2638	0.0036414	0.2554	0.26049	0.2654	0.0033378	-0.0009	0.00031	0.0022	0.00099828
50	0.2541	0.25959	0.2644	0.0037593	0.2547	0.25969	0.2629	0.0034469	-0.0019	0.0001	0.0011	0.00092976
100	0.2548	0.26154	0.2724	0.0052409	0.2565	0.26216	0.2719	0.0045273	-0.0005	0.00062	0.002	0.0008203

Device Test: 5.44; DLY_TMR_10KOHM





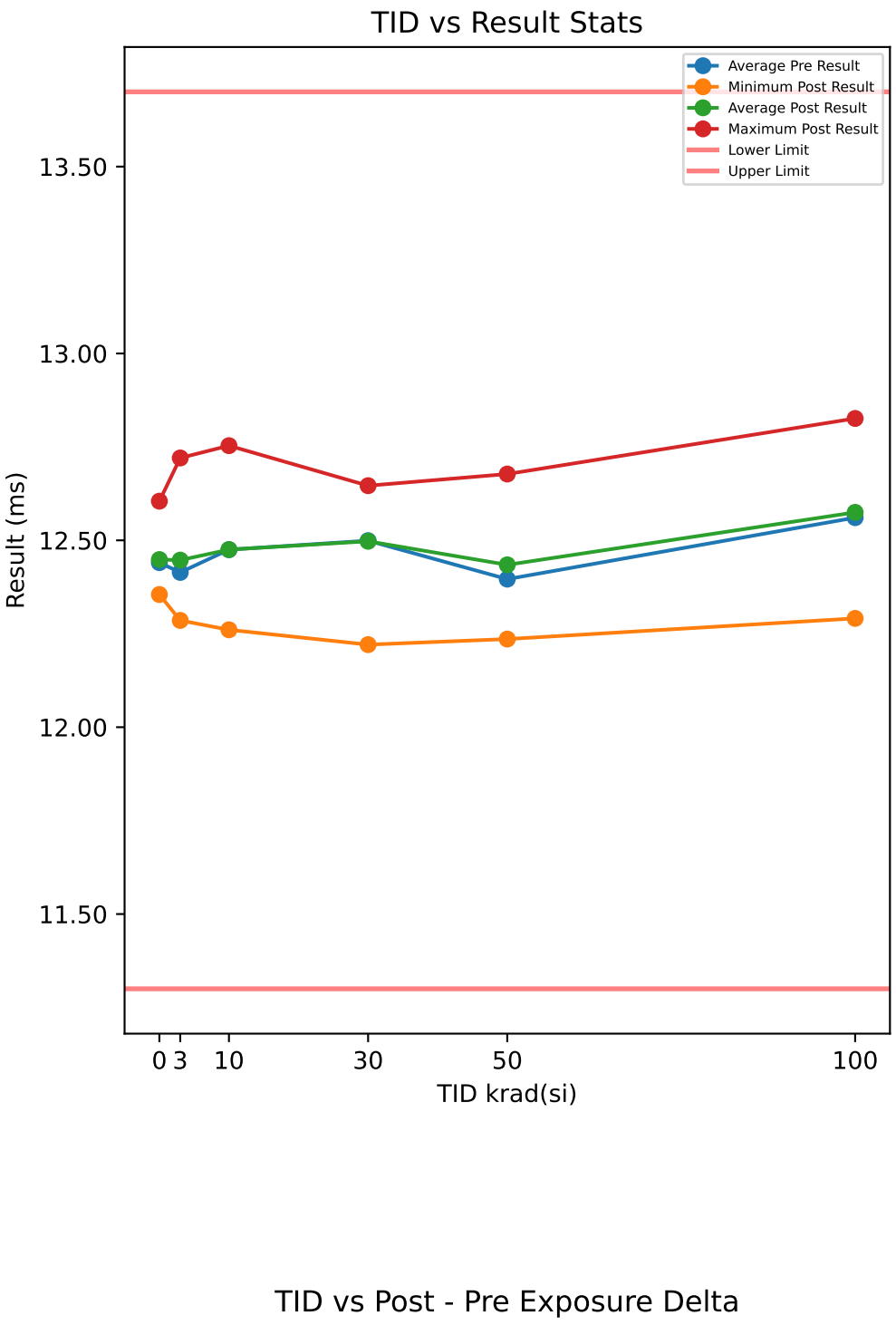
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

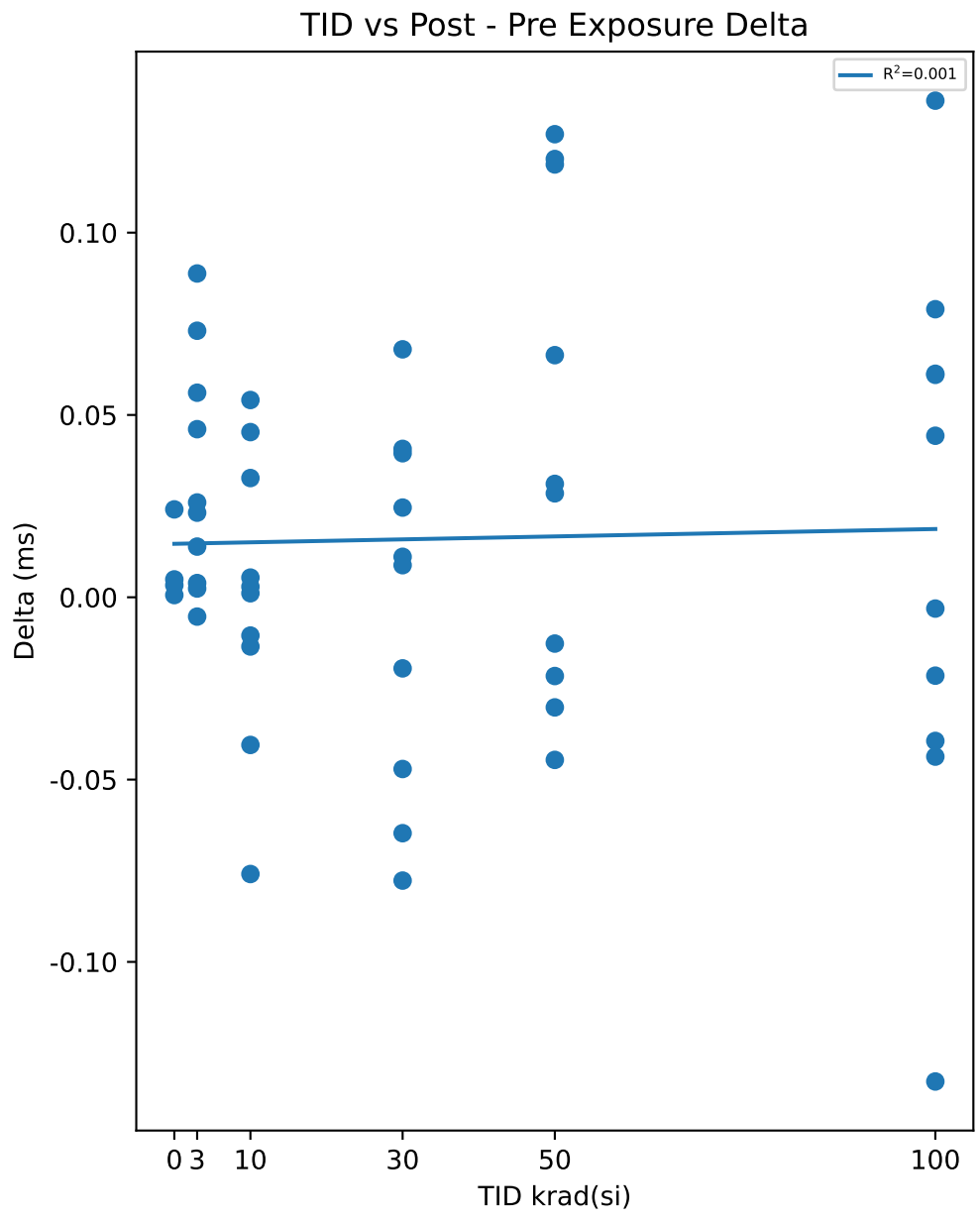
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2552	0.2545	-0.0007
3	3	Biased	0.253	0.2537	0.0007
4	3	Biased	0.2539	0.2534	-0.0005
5	3	Biased	0.2636	0.2628	-0.0008
6	3	Biased	0.2622	0.2622	0
7	3	Unbiased	0.2638	0.2626	-0.0012
8	3	Unbiased	0.2628	0.263	0.0002
9	3	Unbiased	0.262	0.2608	-0.0012
10	3	Unbiased	0.2631	0.2623	-0.0008
11	3	Unbiased	0.2536	0.2534	-0.0002
12	10	Unbiased	0.2605	0.2615	0.001
13	10	Unbiased	0.2554	0.2564	0.001
14	10	Unbiased	0.2552	0.2551	-0.0001
15	10	Unbiased	0.2626	0.2637	0.0011
16	10	Unbiased	0.2613	0.263	0.0017
17	10	Biased	0.2624	0.2639	0.0015
18	10	Biased	0.2625	0.2612	-0.0013
19	10	Biased	0.2553	0.2544	-0.0009
20	10	Biased	0.2608	0.2617	0.0009
21	10	Biased	0.2627	0.2631	0.0004
22	30	Biased	0.2545	0.2562	0.0017
23	30	Biased	0.2624	0.2612	-0.0012
24	30	Biased	0.2551	0.2549	-0.0002
25	30	Biased	0.2625	0.2614	-0.0011
26	30	Biased	0.2638	0.2651	0.0013
27	30	Unbiased	0.255	0.2568	0.0018
28	30	Unbiased	0.2627	0.2631	0.0004
29	30	Unbiased	0.2625	0.2625	0
30	30	Unbiased	0.2628	0.262	-0.0008
31	30	Unbiased	0.2628	0.2614	-0.0014
32	50	Biased	0.2548	0.255	0.0002
33	50	Biased	0.2607	0.2611	0.0004
34	50	Biased	0.2541	0.2558	0.0017
35	50	Biased	0.2558	0.2578	0.002
36	50	Biased	0.2567	0.2566	-0.0001
37	50	Unbiased	0.2625	0.2611	-0.0014
39	50	Unbiased	0.263	0.2633	0.0003
40	50	Unbiased	0.2622	0.2626	0.0004
41	50	Unbiased	0.2636	0.2631	-0.0005
42	50	Unbiased	0.2635	0.2619	-0.0016
43	100	Biased	0.2556	0.2556	0
44	100	Biased	0.2721	0.2725	0.0004
45	100	Biased	0.2639	0.265	0.0011
46	100	Biased	0.2569	0.2573	0.0004
47	100	Biased	0.2629	0.2637	0.0008
48	100	Unbiased	0.2634	0.2639	0.0005
49	100	Unbiased	0.2619	0.2624	0.0005
50	100	Unbiased	0.2558	0.256	0.0002
51	100	Unbiased	0.2613	0.2619	0.0006
52	100	Unbiased	0.264	0.2628	-0.0012
53	0	Correlation	0.2619	0.2612	-0.0007
54	0	Correlation	0.2626	0.2622	-0.0004
55	0	Correlation	0.2623	0.2614	-0.0009
56	0	Correlation	0.2549	0.2552	0.0003

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	0.2549	0.26043	0.2626	0.0036945	0.2552	0.26	0.2622	0.003229	-0.0009	-0.000425	0.0003	0.0005252
3	0.253	0.25932	0.2638	0.0047055	0.2534	0.25887	0.263	0.0044555	-0.0012	-0.00045	0.0007	0.00061869
10	0.2552	0.25987	0.2627	0.0032448	0.2544	0.2604	0.2639	0.0036639	-0.0013	0.00053	0.0017	0.0010012
30	0.2545	0.26041	0.2638	0.0038478	0.2549	0.26046	0.2651	0.0033301	-0.0014	5e-05	0.0018	0.0012131
50	0.2541	0.25969	0.2636	0.003876	0.255	0.25983	0.2633	0.0031979	-0.0016	0.00014	0.002	0.001151
100	0.2556	0.26178	0.2721	0.0049195	0.2556	0.26211	0.2725	0.0050054	-0.0012	0.00033	0.0011	0.00061653

Device Test: 5.45; DLY_TMR_500KOHM





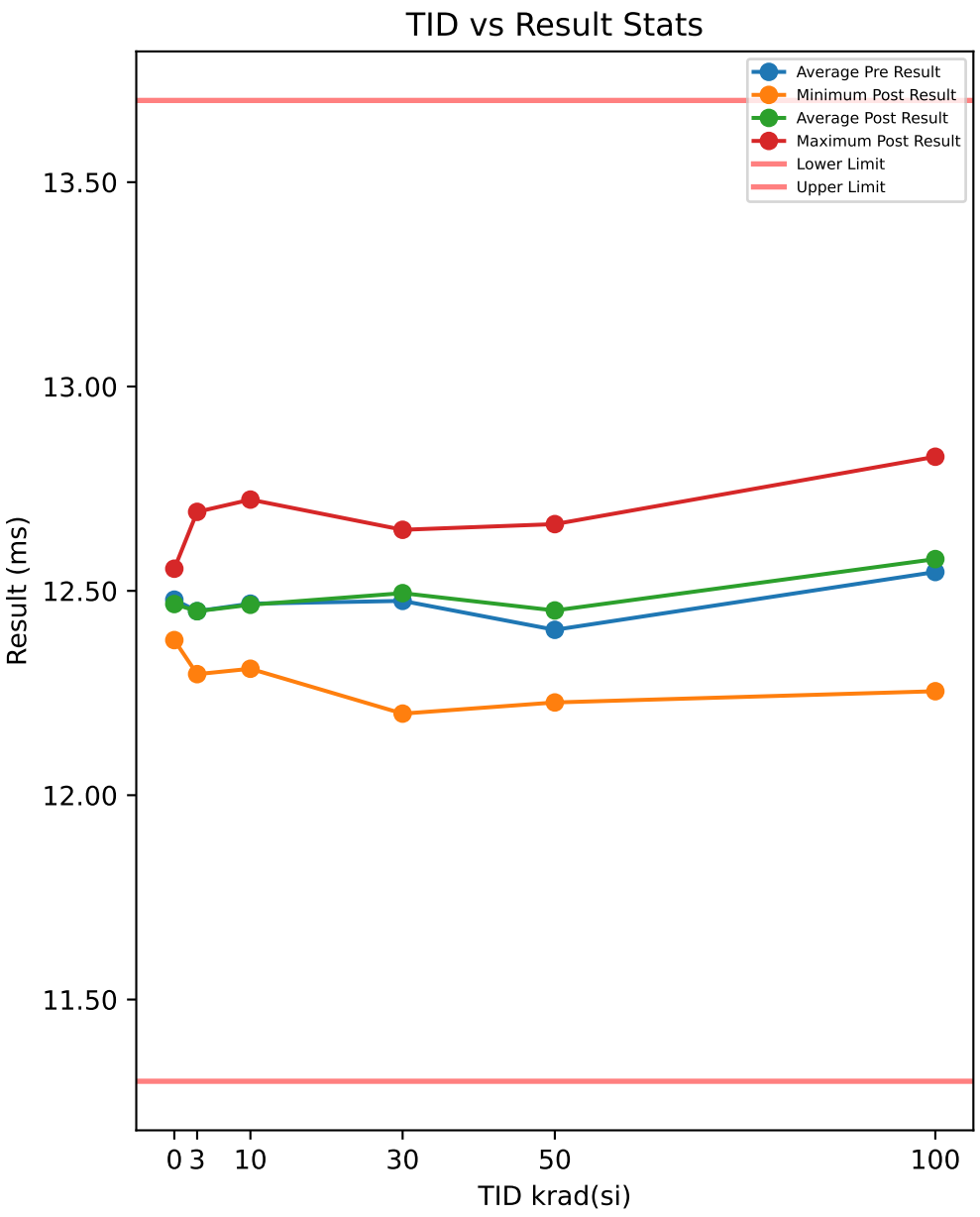
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

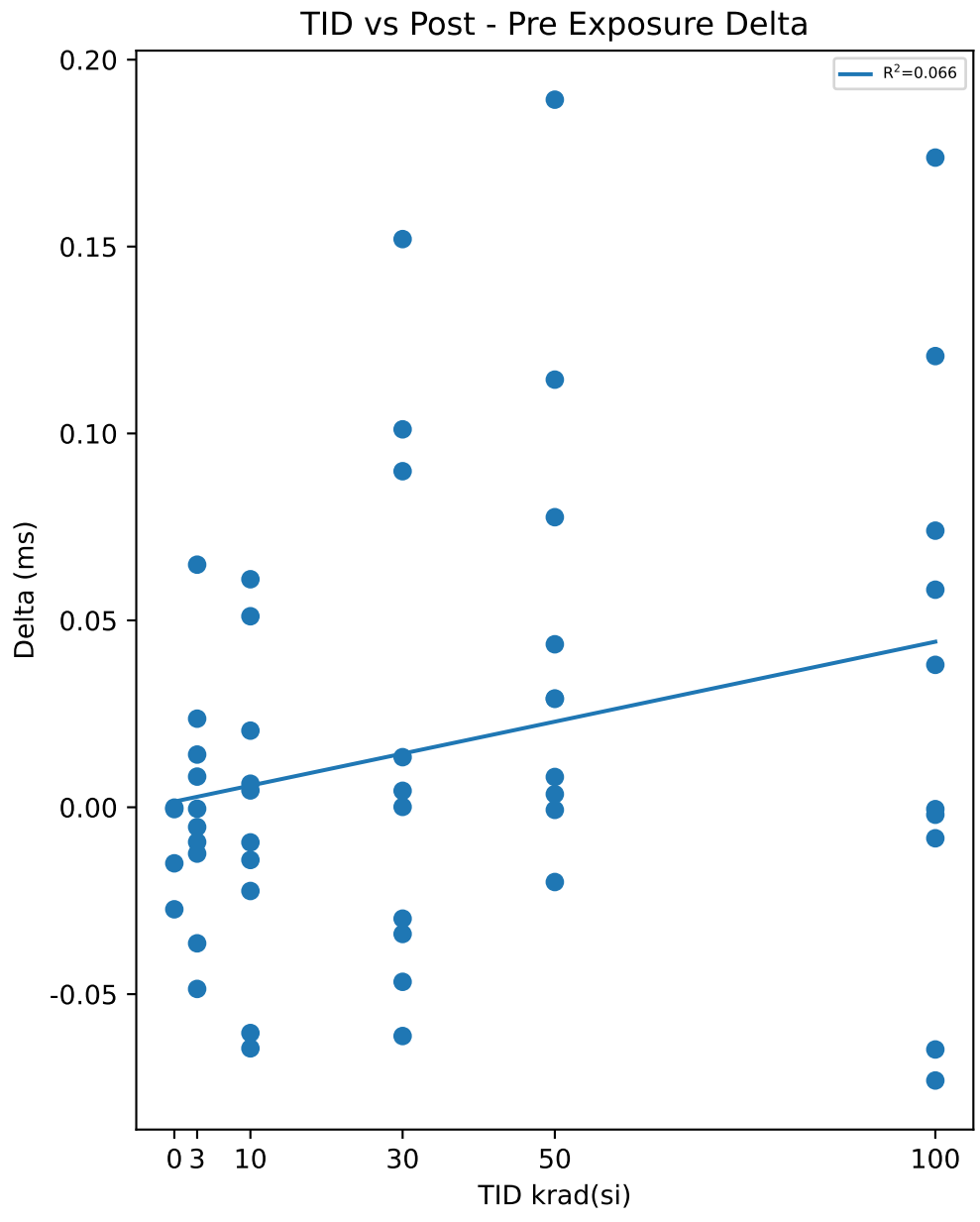
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.354	12.368	0.0139
3	3	Biased	12.309	12.398	0.0888
4	3	Biased	12.251	12.324	0.0731
5	3	Biased	12.674	12.72	0.0461
6	3	Biased	12.614	12.616	0.0024
7	3	Unbiased	12.291	12.286	-0.0053
8	3	Unbiased	12.608	12.664	0.0561
9	3	Unbiased	12.364	12.39	0.026
10	3	Unbiased	12.341	12.364	0.0232
11	3	Unbiased	12.337	12.341	0.0039
12	10	Unbiased	12.335	12.324	-0.0105
13	10	Unbiased	12.258	12.261	0.0029
14	10	Unbiased	12.317	12.318	0.0011
15	10	Unbiased	12.708	12.753	0.0453
16	10	Unbiased	12.542	12.528	-0.0135
17	10	Biased	12.619	12.673	0.0541
18	10	Biased	12.481	12.44	-0.0405
19	10	Biased	12.395	12.428	0.0327
20	10	Biased	12.518	12.443	-0.0759
21	10	Biased	12.579	12.584	0.0054
22	30	Biased	12.492	12.501	0.0088
23	30	Biased	12.358	12.311	-0.0471
24	30	Biased	12.286	12.221	-0.0647
25	30	Biased	12.489	12.529	0.0407
26	30	Biased	12.622	12.646	0.0246
27	30	Unbiased	12.491	12.559	0.068
28	30	Unbiased	12.594	12.633	0.0395
29	30	Unbiased	12.421	12.343	-0.0777
30	30	Unbiased	12.631	12.612	-0.0195
31	30	Unbiased	12.609	12.62	0.0111
32	50	Biased	12.376	12.443	0.0664
33	50	Biased	12.443	12.57	0.127
34	50	Biased	12.302	12.422	0.1202
35	50	Biased	12.321	12.44	0.1187
36	50	Biased	12.459	12.49	0.0311
37	50	Unbiased	12.268	12.297	0.0285
39	50	Unbiased	12.531	12.487	-0.0446
40	50	Unbiased	12.296	12.283	-0.0127
41	50	Unbiased	12.266	12.236	-0.0302
42	50	Unbiased	12.699	12.677	-0.0216
43	100	Biased	12.474	12.518	0.0443
44	100	Biased	12.713	12.774	0.0613
45	100	Biased	12.747	12.826	0.079
46	100	Biased	12.602	12.559	-0.0437
47	100	Biased	12.753	12.732	-0.0215
48	100	Unbiased	12.588	12.725	0.1362
49	100	Unbiased	12.354	12.315	-0.0394
50	100	Unbiased	12.294	12.291	-0.0031
51	100	Unbiased	12.391	12.452	0.061
52	100	Unbiased	12.69	12.557	-0.1328
53	0	Correlation	12.581	12.605	0.0241
54	0	Correlation	12.413	12.416	0.0033
55	0	Correlation	12.418	12.418	0.0006
56	0	Correlation	12.35	12.355	0.0049

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	12.35	12.44	12.581	0.098514	12.355	12.449	12.605	0.10822	0.0006	0.008225	0.0241	0.010731
3	12.251	12.414	12.674	0.15468	12.286	12.447	12.72	0.1569	-0.0053	0.03282	0.0888	0.031949
10	12.258	12.475	12.708	0.14544	12.261	12.475	12.753	0.15956	-0.0759	0.00011	0.0541	0.03913
30	12.286	12.499	12.631	0.11804	12.221	12.497	12.646	0.15224	-0.0777	-0.00163	0.068	0.04881
50	12.266	12.396	12.699	0.13919	12.236	12.434	12.677	0.13528	-0.0446	0.03828	0.127	0.066442
100	12.294	12.561	12.753	0.17123	12.291	12.575	12.826	0.18758	-0.1328	0.01413	0.1362	0.07732

Device Test: 5.46; DLY_TMR_500KOHM





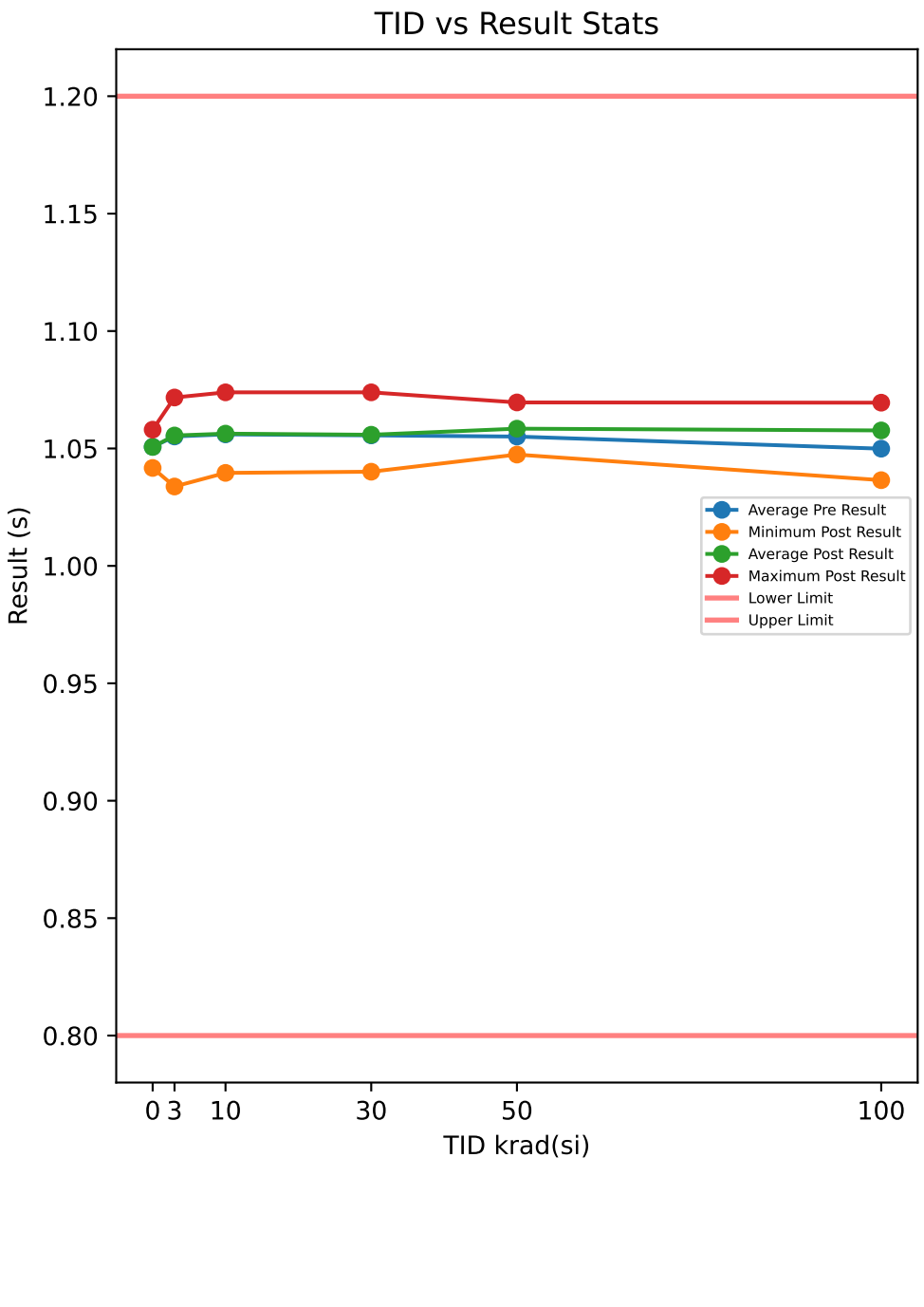
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

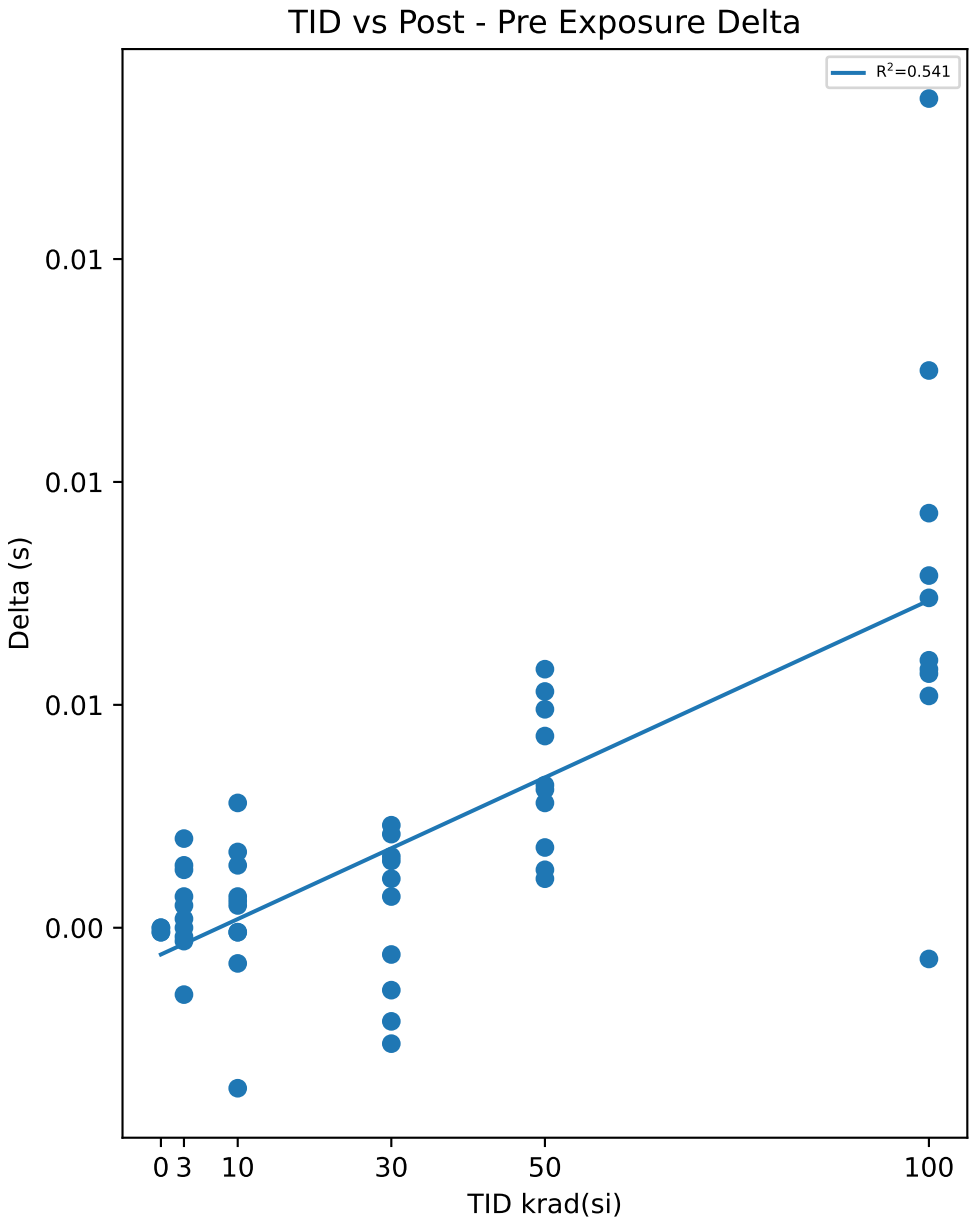
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.411	12.425	0.0141
3	3	Biased	12.364	12.388	0.0237
4	3	Biased	12.297	12.296	-0.0004
5	3	Biased	12.73	12.693	-0.0364
6	3	Biased	12.571	12.562	-0.0093
7	3	Unbiased	12.349	12.301	-0.0486
8	3	Unbiased	12.57	12.635	0.0649
9	3	Unbiased	12.419	12.407	-0.0124
10	3	Unbiased	12.398	12.406	0.0082
11	3	Unbiased	12.395	12.389	-0.0053
12	10	Unbiased	12.289	12.309	0.0205
13	10	Unbiased	12.312	12.319	0.0063
14	10	Unbiased	12.374	12.365	-0.0094
15	10	Unbiased	12.662	12.723	0.061
16	10	Unbiased	12.498	12.549	0.0511
17	10	Biased	12.64	12.626	-0.0141
18	10	Biased	12.439	12.444	0.0045
19	10	Biased	12.451	12.391	-0.0604
20	10	Biased	12.473	12.409	-0.0645
21	10	Biased	12.547	12.525	-0.0224
22	30	Biased	12.451	12.465	0.0134
23	30	Biased	12.415	12.368	-0.0467
24	30	Biased	12.233	12.2	-0.0339
25	30	Biased	12.459	12.549	0.0899
26	30	Biased	12.581	12.586	0.0044
27	30	Unbiased	12.447	12.599	0.152
28	30	Unbiased	12.548	12.649	0.1011
29	30	Unbiased	12.477	12.416	-0.0612
30	30	Unbiased	12.588	12.558	-0.0298
31	30	Unbiased	12.555	12.555	0.0001
32	50	Biased	12.431	12.508	0.0776
33	50	Biased	12.499	12.528	0.029
34	50	Biased	12.263	12.452	0.1893
35	50	Biased	12.379	12.493	0.1144
36	50	Biased	12.515	12.519	0.0035
37	50	Unbiased	12.226	12.27	0.0436
39	50	Unbiased	12.489	12.518	0.0291
40	50	Unbiased	12.361	12.341	-0.02
41	50	Unbiased	12.228	12.227	-0.0007
42	50	Unbiased	12.655	12.663	0.0081
43	100	Biased	12.432	12.553	0.1207
44	100	Biased	12.77	12.828	0.0582
45	100	Biased	12.701	12.775	0.074
46	100	Biased	12.559	12.558	-0.0005
47	100	Biased	12.711	12.702	-0.0083
48	100	Unbiased	12.545	12.719	0.1738
49	100	Unbiased	12.411	12.346	-0.0648
50	100	Unbiased	12.256	12.254	-0.002
51	100	Unbiased	12.46	12.498	0.0381
52	100	Unbiased	12.617	12.543	-0.0731
53	0	Correlation	12.569	12.554	-0.015
54	0	Correlation	12.475	12.475	-0.0001
55	0	Correlation	12.463	12.462	-0.0005
56	0	Correlation	12.407	12.38	-0.0273

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	12.407	12.478	12.569	0.067389	12.38	12.468	12.554	0.071508	-0.0273	-0.010725	-0.0001	0.013044
3	12.297	12.45	12.73	0.1319	12.296	12.45	12.693	0.13492	-0.0486	-0.00015	0.0649	0.031614
10	12.289	12.469	12.662	0.12509	12.309	12.466	12.723	0.13666	-0.0645	-0.00274	0.061	0.041278
30	12.233	12.475	12.588	0.10506	12.2	12.494	12.649	0.13501	-0.0612	0.01893	0.152	0.071481
50	12.226	12.405	12.655	0.14045	12.227	12.452	12.663	0.13346	-0.02	0.04739	0.1893	0.063729
100	12.256	12.546	12.77	0.1595	12.254	12.578	12.828	0.18377	-0.0731	0.03161	0.1738	0.07797

Device Test: 5.47; WD_TMR_500KOHM





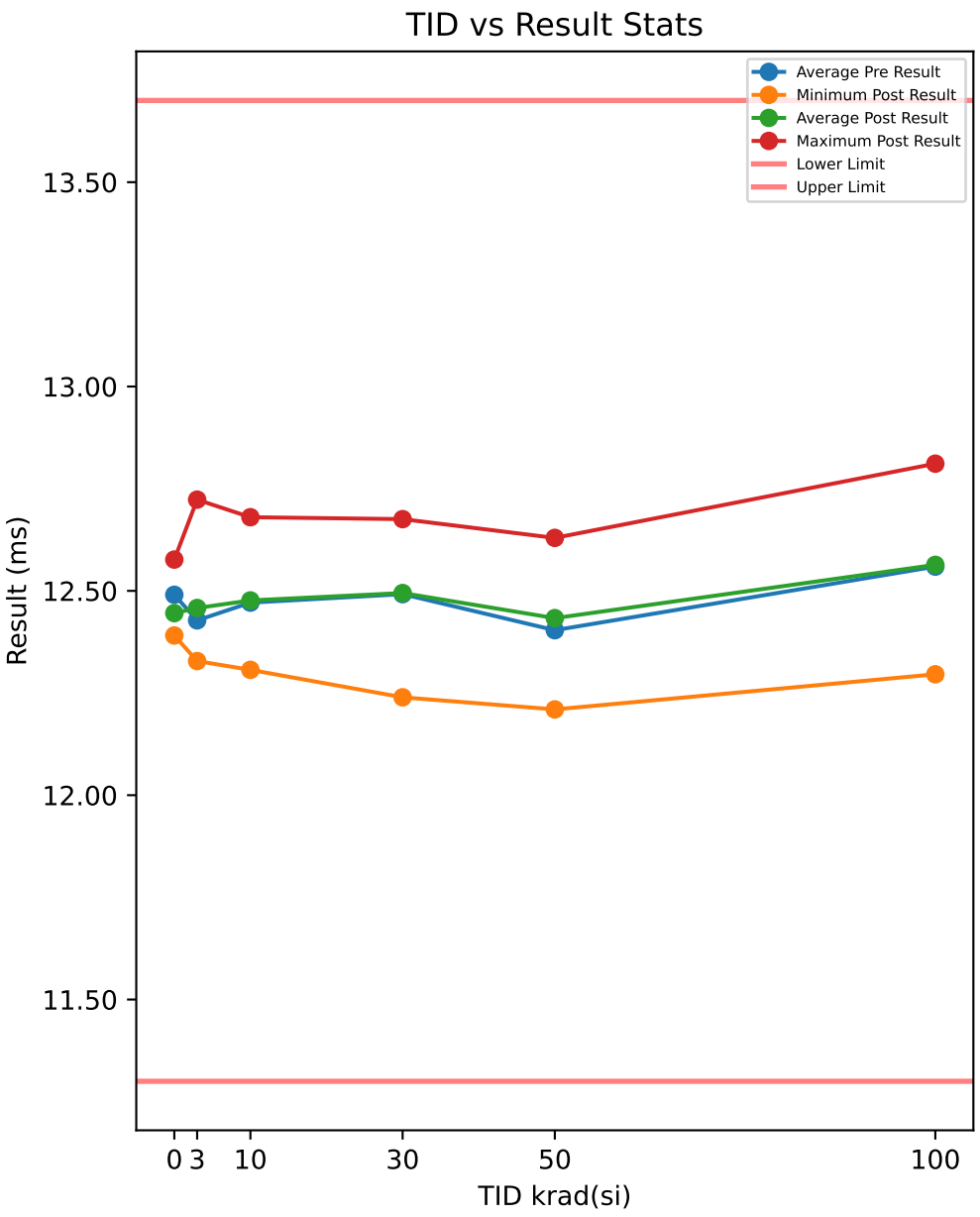
Test Results (Lower Limit = 0.8, Upper Limit = 1.2 (s))

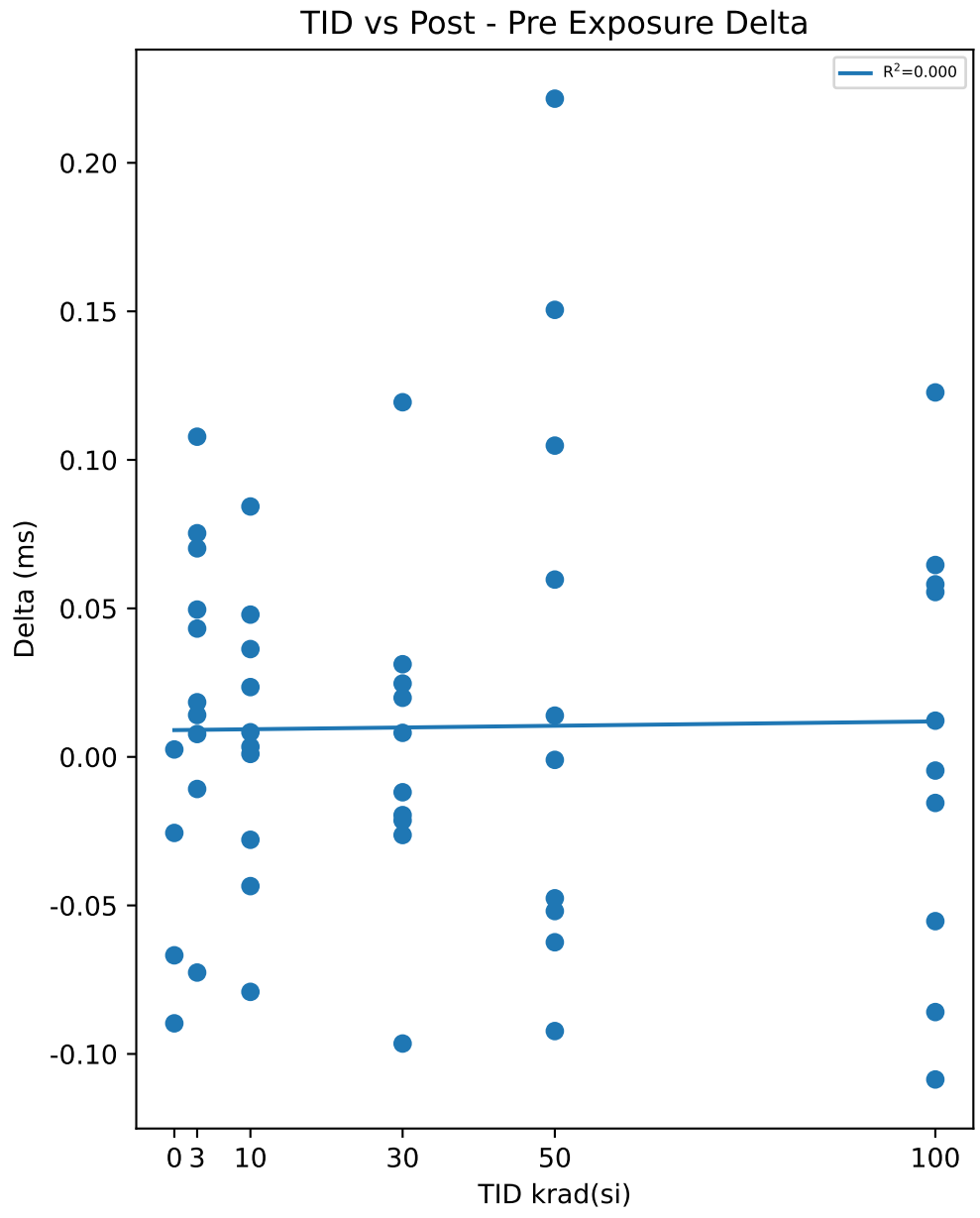
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.0561	1.0568	0.0007
3	3	Biased	1.058	1.058	0
4	3	Biased	1.0575	1.0572	-0.0003
5	3	Biased	1.0324	1.0338	0.0014
6	3	Biased	1.0697	1.0717	0.002
7	3	Unbiased	1.0522	1.0507	-0.0015
8	3	Unbiased	1.0477	1.049	0.0013
9	3	Unbiased	1.0623	1.0628	0.0005
10	3	Unbiased	1.0568	1.0566	-0.0002
11	3	Unbiased	1.0584	1.0586	0.0002
12	10	Unbiased	1.0554	1.0518	-0.0036
13	10	Unbiased	1.074	1.0739	-0.0001
14	10	Unbiased	1.0525	1.0542	0.0017
15	10	Unbiased	1.0463	1.0468	0.0005
16	10	Unbiased	1.0469	1.0483	0.0014
17	10	Biased	1.0595	1.0623	0.0028
18	10	Biased	1.039	1.0396	0.0006
19	10	Biased	1.0636	1.0635	-0.0001
20	10	Biased	1.0563	1.0555	-0.0008
21	10	Biased	1.0665	1.0672	0.0007
22	30	Biased	1.0428	1.0422	-0.0006
23	30	Biased	1.0415	1.0401	-0.0014
24	30	Biased	1.0765	1.0739	-0.0026
25	30	Biased	1.0486	1.0502	0.0016
26	30	Biased	1.0606	1.0613	0.0007
27	30	Unbiased	1.0578	1.0589	0.0011
28	30	Unbiased	1.0678	1.0693	0.0015
29	30	Unbiased	1.0488	1.0511	0.0023
30	30	Unbiased	1.0548	1.0569	0.0021
31	30	Unbiased	1.0566	1.0545	-0.0021
32	50	Biased	1.0458	1.0501	0.0043
33	50	Biased	1.0446	1.0474	0.0028
34	50	Biased	1.0529	1.0561	0.0032
35	50	Biased	1.0565	1.0596	0.0031
36	50	Biased	1.0628	1.0646	0.0018
37	50	Unbiased	1.0563	1.0621	0.0058
39	50	Unbiased	1.0497	1.051	0.0013
40	50	Unbiased	1.0564	1.0575	0.0011
41	50	Unbiased	1.0647	1.0696	0.0049
42	50	Unbiased	1.061	1.0663	0.0053
43	100	Biased	1.0408	1.0533	0.0125
44	100	Biased	1.0596	1.0589	-0.0007
45	100	Biased	1.0589	1.0682	0.0093
46	100	Biased	1.0431	1.0488	0.0057
47	100	Biased	1.0529	1.0603	0.0074
48	100	Unbiased	1.0546	1.0598	0.0052
49	100	Unbiased	1.0576	1.0636	0.006
50	100	Unbiased	1.05	1.0579	0.0079
51	100	Unbiased	1.0509	1.0695	0.0186
52	100	Unbiased	1.0307	1.0365	0.0058
53	0	Correlation	1.0581	1.058	-0.0001
54	0	Correlation	1.0418	1.0417	-0.0001
55	0	Correlation	1.0469	1.0469	0
56	0	Correlation	1.056	1.056	0

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	1.0418	1.0507	1.0581	0.0076703	1.0417	1.0507	1.058	0.007677	-0.0001	-5e-05	0	5.7735e-05
3	1.0324	1.0551	1.0697	0.0098455	1.0338	1.0555	1.0717	0.009852	-0.0015	0.00041	0.002	0.0010071
10	1.039	1.056	1.074	0.01045	1.0396	1.0563	1.0739	0.010408	-0.0036	0.00031	0.0028	0.0017143
30	1.0415	1.0556	1.0765	0.010929	1.0401	1.0558	1.0739	0.010737	-0.0026	0.00026	0.0023	0.0017958
50	1.0446	1.0551	1.0647	0.0068482	1.0474	1.0584	1.0696	0.0073949	0.0011	0.00336	0.0058	0.0016721
100	1.0307	1.0499	1.0596	0.0092145	1.0365	1.0577	1.0695	0.0096894	-0.0007	0.00777	0.0186	0.005075

Device Test: 5.48; DLY_TMR_500KOHM





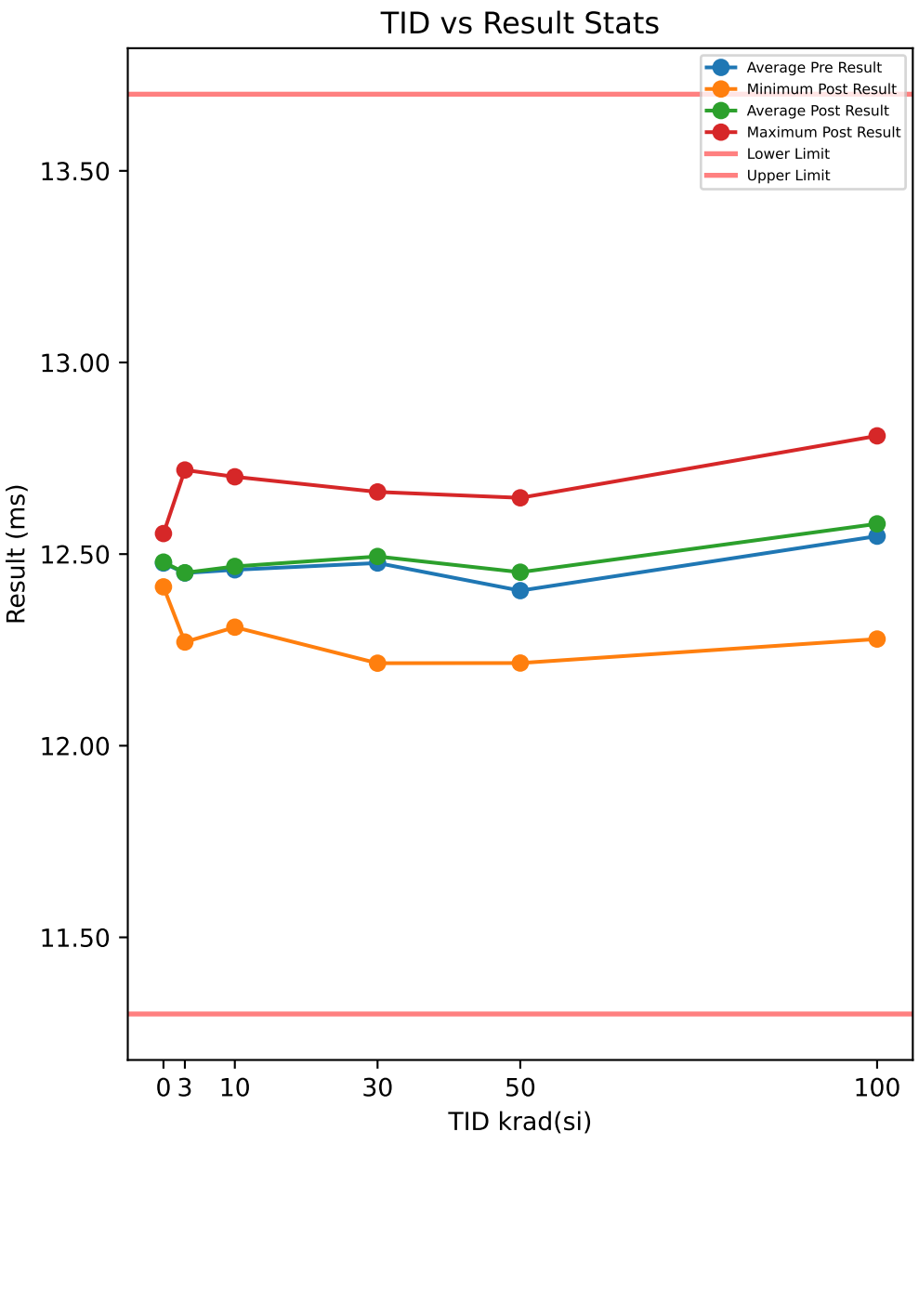
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

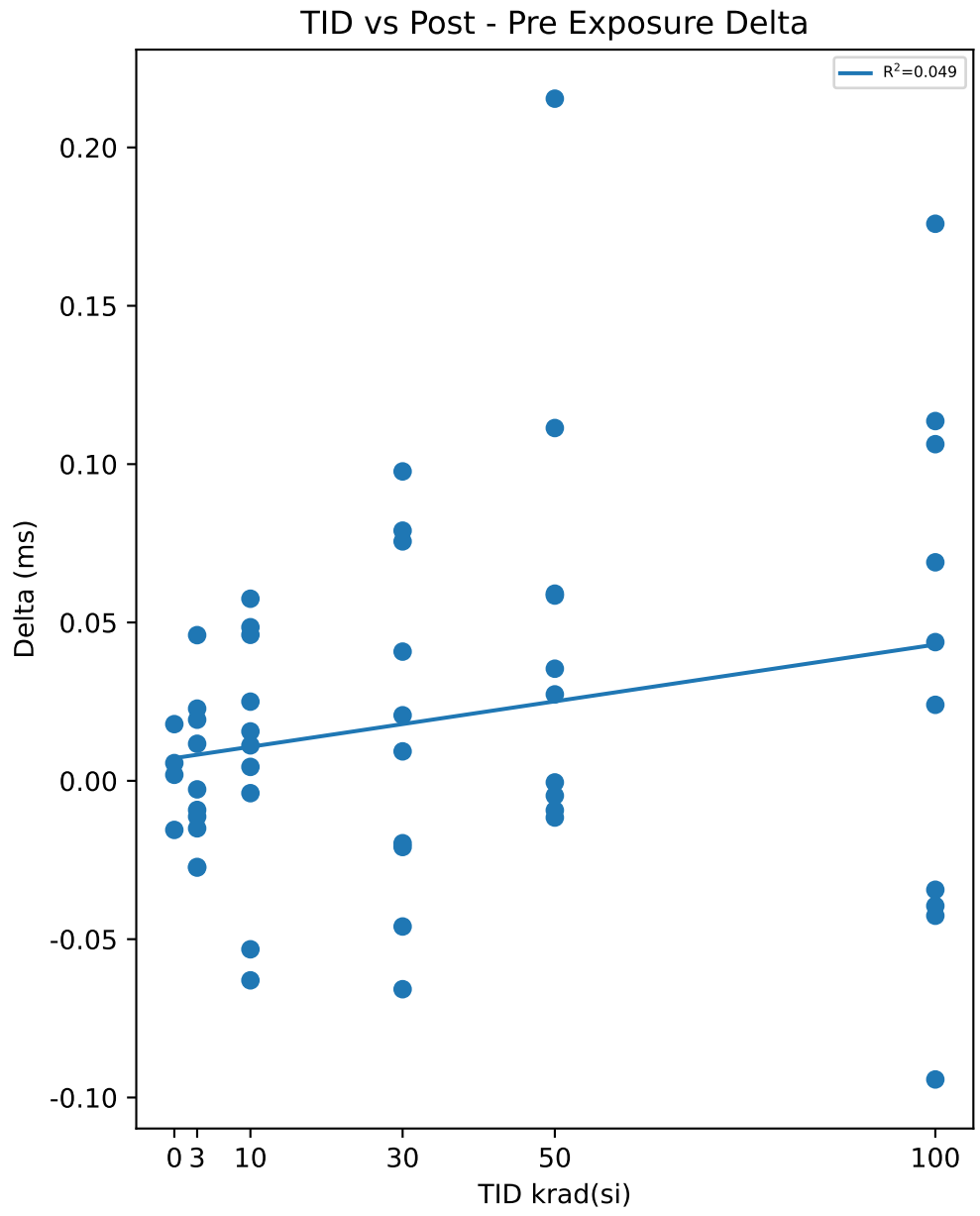
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.359	12.429	0.0702
3	3	Biased	12.383	12.397	0.0141
4	3	Biased	12.279	12.328	0.0496
5	3	Biased	12.705	12.723	0.0184
6	3	Biased	12.568	12.558	-0.0108
7	3	Unbiased	12.297	12.341	0.0432
8	3	Unbiased	12.566	12.674	0.1078
9	3	Unbiased	12.404	12.331	-0.0726
10	3	Unbiased	12.358	12.366	0.0077
11	3	Unbiased	12.359	12.434	0.0753
12	10	Unbiased	12.283	12.307	0.0235
13	10	Unbiased	12.269	12.353	0.0843
14	10	Unbiased	12.326	12.363	0.0363
15	10	Unbiased	12.708	12.68	-0.0279
16	10	Unbiased	12.565	12.569	0.0034
17	10	Biased	12.611	12.62	0.0083
18	10	Biased	12.517	12.438	-0.0791
19	10	Biased	12.377	12.425	0.0479
20	10	Biased	12.508	12.465	-0.0435
21	10	Biased	12.546	12.547	0.001
22	30	Biased	12.486	12.467	-0.0196
23	30	Biased	12.403	12.307	-0.0965
24	30	Biased	12.231	12.239	0.0081
25	30	Biased	12.484	12.472	-0.0119
26	30	Biased	12.556	12.675	0.1194
27	30	Unbiased	12.533	12.558	0.0247
28	30	Unbiased	12.591	12.623	0.0312
29	30	Unbiased	12.413	12.433	0.0199
30	30	Unbiased	12.596	12.57	-0.0263
31	30	Unbiased	12.624	12.603	-0.0214
32	50	Biased	12.41	12.47	0.0597
33	50	Biased	12.418	12.523	0.1048
34	50	Biased	12.26	12.481	0.2216
35	50	Biased	12.338	12.489	0.1505
36	50	Biased	12.517	12.465	-0.0519
37	50	Unbiased	12.278	12.292	0.0139
39	50	Unbiased	12.539	12.446	-0.0923
40	50	Unbiased	12.388	12.326	-0.0624
41	50	Unbiased	12.258	12.21	-0.0476
42	50	Unbiased	12.631	12.63	-0.001
43	100	Biased	12.462	12.475	0.0122
44	100	Biased	12.73	12.786	0.0555
45	100	Biased	12.747	12.811	0.0646
46	100	Biased	12.595	12.591	-0.0046
47	100	Biased	12.736	12.651	-0.0859
48	100	Unbiased	12.552	12.675	0.1227
49	100	Unbiased	12.426	12.37	-0.0553
50	100	Unbiased	12.238	12.296	0.0581
51	100	Unbiased	12.441	12.425	-0.0155
52	100	Unbiased	12.667	12.558	-0.1086
53	0	Correlation	12.602	12.576	-0.0256
54	0	Correlation	12.479	12.412	-0.0668
55	0	Correlation	12.48	12.391	-0.0897
56	0	Correlation	12.4	12.402	0.0025

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	12.4	12.49	12.602	0.083529	12.391	12.445	12.576	0.08782	-0.0897	-0.0449	0.0025	0.041255
3	12.279	12.428	12.705	0.13814	12.328	12.458	12.723	0.14416	-0.0726	0.03029	0.1078	0.050941
10	12.269	12.471	12.708	0.14902	12.307	12.477	12.68	0.12329	-0.0791	0.00542	0.0843	0.047124
30	12.231	12.492	12.624	0.11837	12.239	12.495	12.675	0.13977	-0.0965	0.00276	0.1194	0.054988
50	12.258	12.404	12.631	0.12701	12.21	12.433	12.63	0.12283	-0.0923	0.02953	0.2216	0.10282
100	12.238	12.559	12.747	0.16773	12.296	12.564	12.811	0.17233	-0.1086	0.00432	0.1227	0.073135

Device Test: 5.49; DLY_TMR_500KOHM





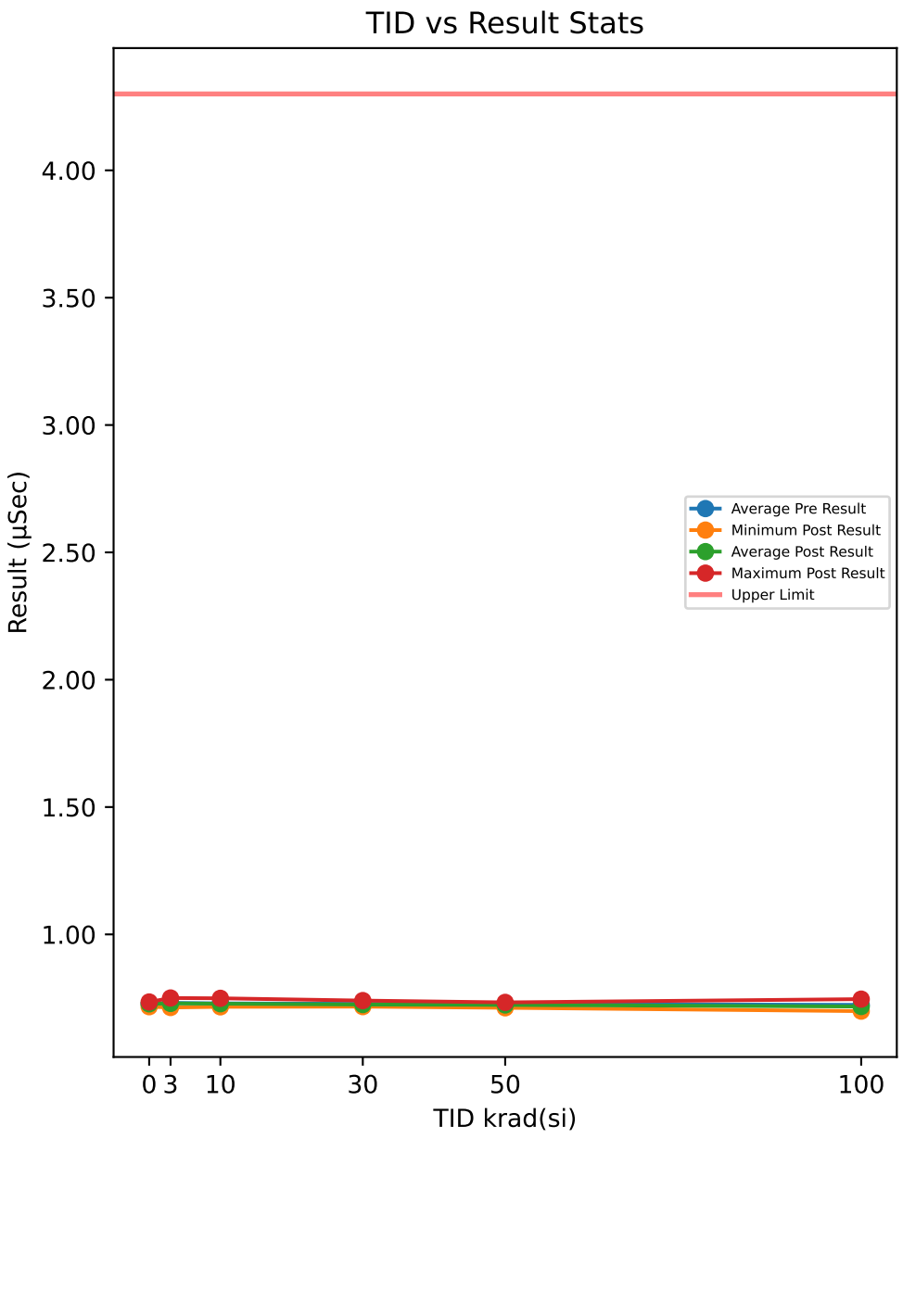
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

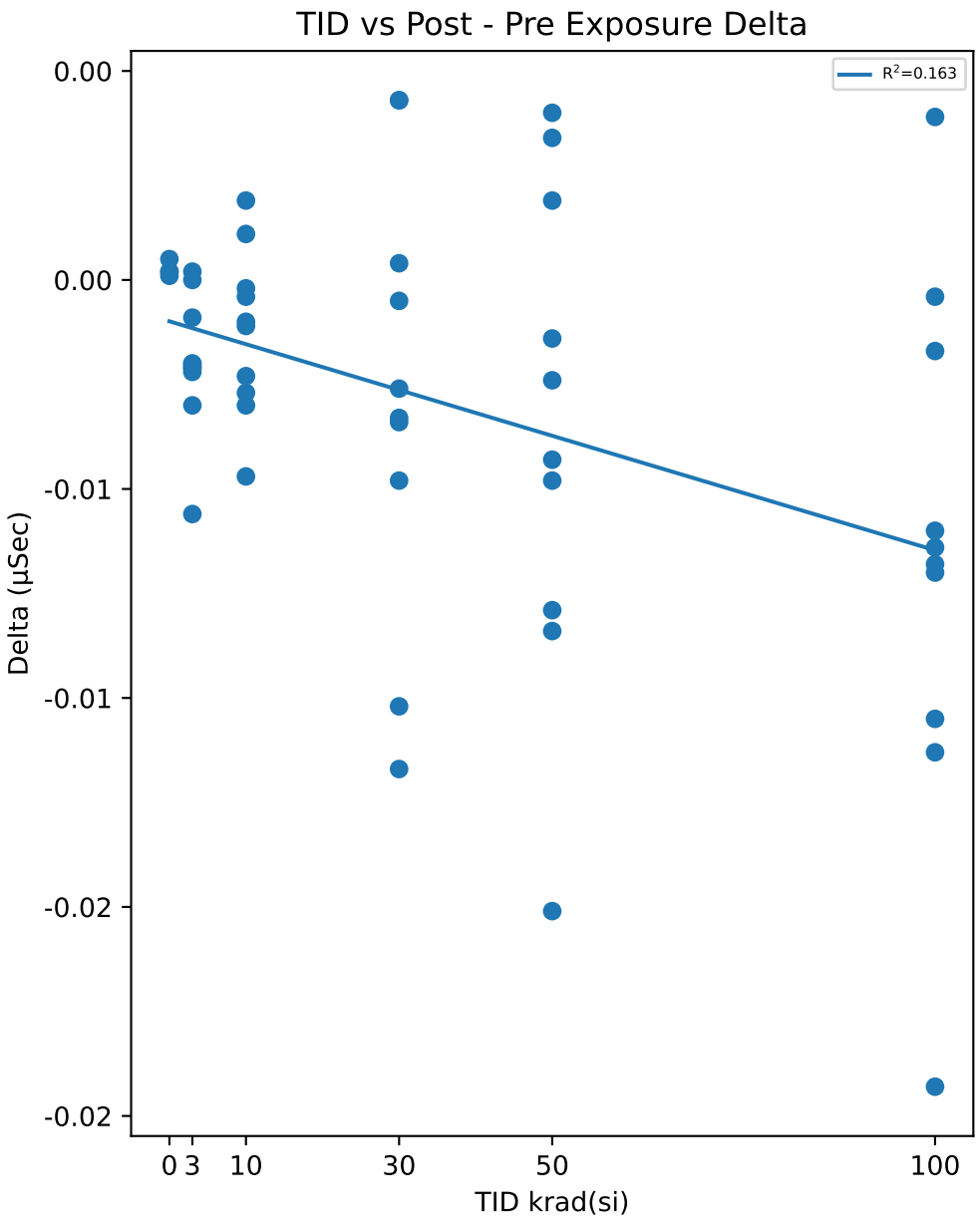
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.414	12.426	0.0117
3	3	Biased	12.368	12.387	0.0193
4	3	Biased	12.298	12.271	-0.0274
5	3	Biased	12.729	12.719	-0.0092
6	3	Biased	12.566	12.551	-0.015
7	3	Unbiased	12.346	12.344	-0.0027
8	3	Unbiased	12.574	12.62	0.046
9	3	Unbiased	12.419	12.392	-0.0272
10	3	Unbiased	12.397	12.42	0.0228
11	3	Unbiased	12.395	12.383	-0.0113
12	10	Unbiased	12.294	12.309	0.0156
13	10	Unbiased	12.295	12.32	0.025
14	10	Unbiased	12.375	12.379	0.0044
15	10	Unbiased	12.644	12.702	0.0575
16	10	Unbiased	12.499	12.548	0.0485
17	10	Biased	12.573	12.619	0.0461
18	10	Biased	12.441	12.452	0.0112
19	10	Biased	12.453	12.4	-0.0532
20	10	Biased	12.472	12.409	-0.063
21	10	Biased	12.544	12.54	-0.0039
22	30	Biased	12.454	12.464	0.0093
23	30	Biased	12.414	12.368	-0.046
24	30	Biased	12.236	12.215	-0.0209
25	30	Biased	12.46	12.558	0.0977
26	30	Biased	12.583	12.662	0.079
27	30	Unbiased	12.45	12.525	0.0756
28	30	Unbiased	12.55	12.59	0.0408
29	30	Unbiased	12.475	12.41	-0.0658
30	30	Unbiased	12.588	12.569	-0.0197
31	30	Unbiased	12.556	12.577	0.0207
32	50	Biased	12.436	12.495	0.0585
33	50	Biased	12.499	12.527	0.0273
34	50	Biased	12.263	12.479	0.2154
35	50	Biased	12.382	12.494	0.1114
36	50	Biased	12.518	12.513	-0.0047
37	50	Unbiased	12.231	12.29	0.0591
39	50	Unbiased	12.489	12.524	0.0354
40	50	Unbiased	12.344	12.344	-0.0005
41	50	Unbiased	12.227	12.216	-0.0116
42	50	Unbiased	12.656	12.647	-0.0093
43	100	Biased	12.434	12.548	0.1136
44	100	Biased	12.746	12.79	0.0438
45	100	Biased	12.702	12.809	0.1063
46	100	Biased	12.561	12.63	0.069
47	100	Biased	12.713	12.67	-0.0426
48	100	Unbiased	12.546	12.722	0.1759
49	100	Unbiased	12.412	12.373	-0.0395
50	100	Unbiased	12.254	12.278	0.024
51	100	Unbiased	12.459	12.425	-0.0344
52	100	Unbiased	12.639	12.544	-0.0943
53	0	Correlation	12.569	12.554	-0.0155
54	0	Correlation	12.472	12.474	0.0019
55	0	Correlation	12.456	12.474	0.0179
56	0	Correlation	12.409	12.415	0.0056

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	12.409	12.477	12.569	0.067253	12.415	12.479	12.554	0.057077	-0.0155	0.002475	0.0179	0.013798
3	12.298	12.451	12.729	0.13131	12.271	12.451	12.719	0.1368	-0.0274	0.0007	0.046	0.023748
10	12.294	12.459	12.644	0.11445	12.309	12.468	12.702	0.13004	-0.063	0.00882	0.0575	0.040597
30	12.236	12.477	12.588	0.10477	12.215	12.494	12.662	0.13196	-0.0658	0.01707	0.0977	0.055815
50	12.227	12.405	12.656	0.14105	12.216	12.453	12.647	0.1294	-0.0116	0.0481	0.2154	0.070575
100	12.254	12.547	12.746	0.15782	12.278	12.579	12.809	0.17878	-0.0943	0.03218	0.1759	0.085307

Device Test: 5.5; PROPD_RESET





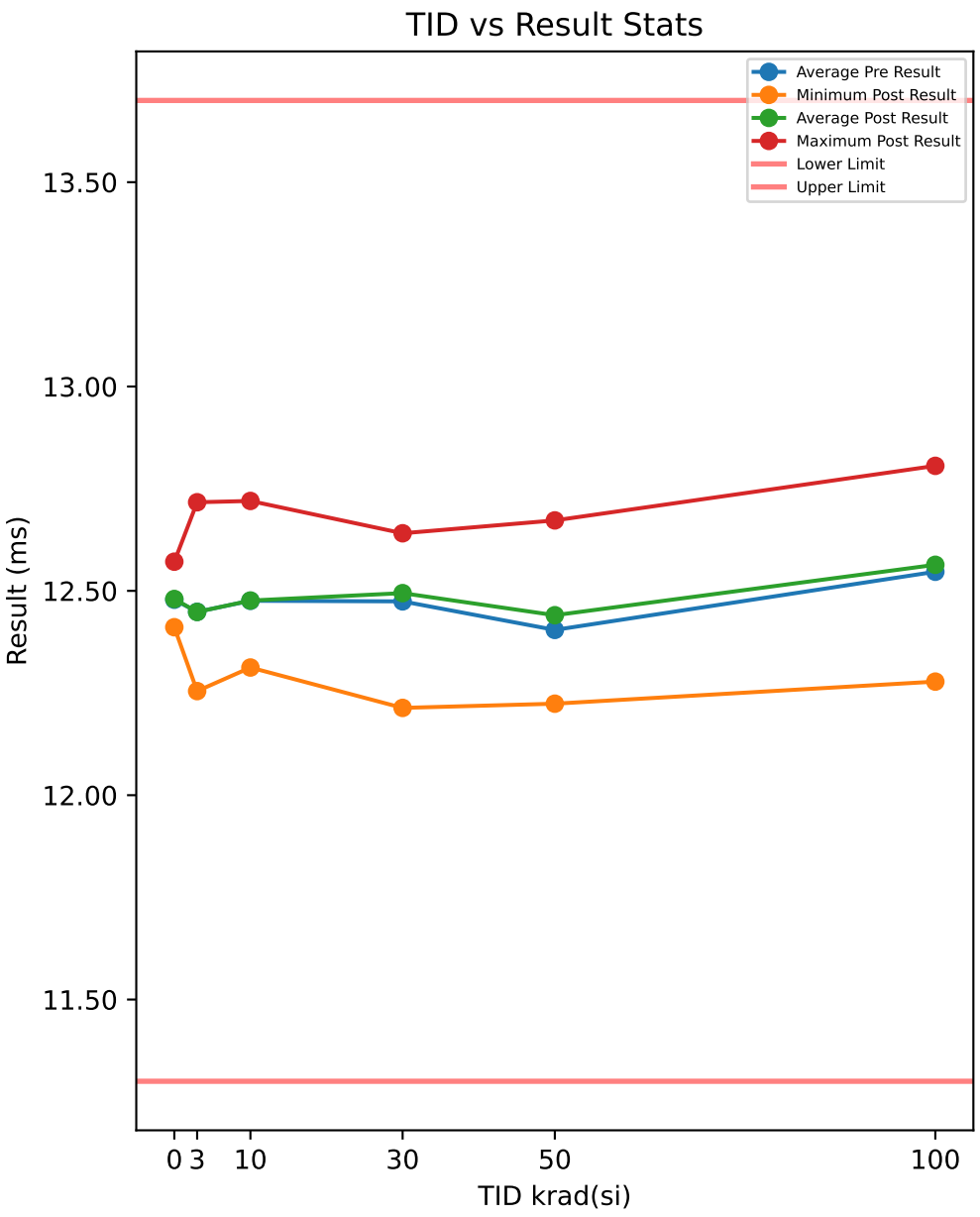
Test Results (Upper Limit = 4.3 (µSec))

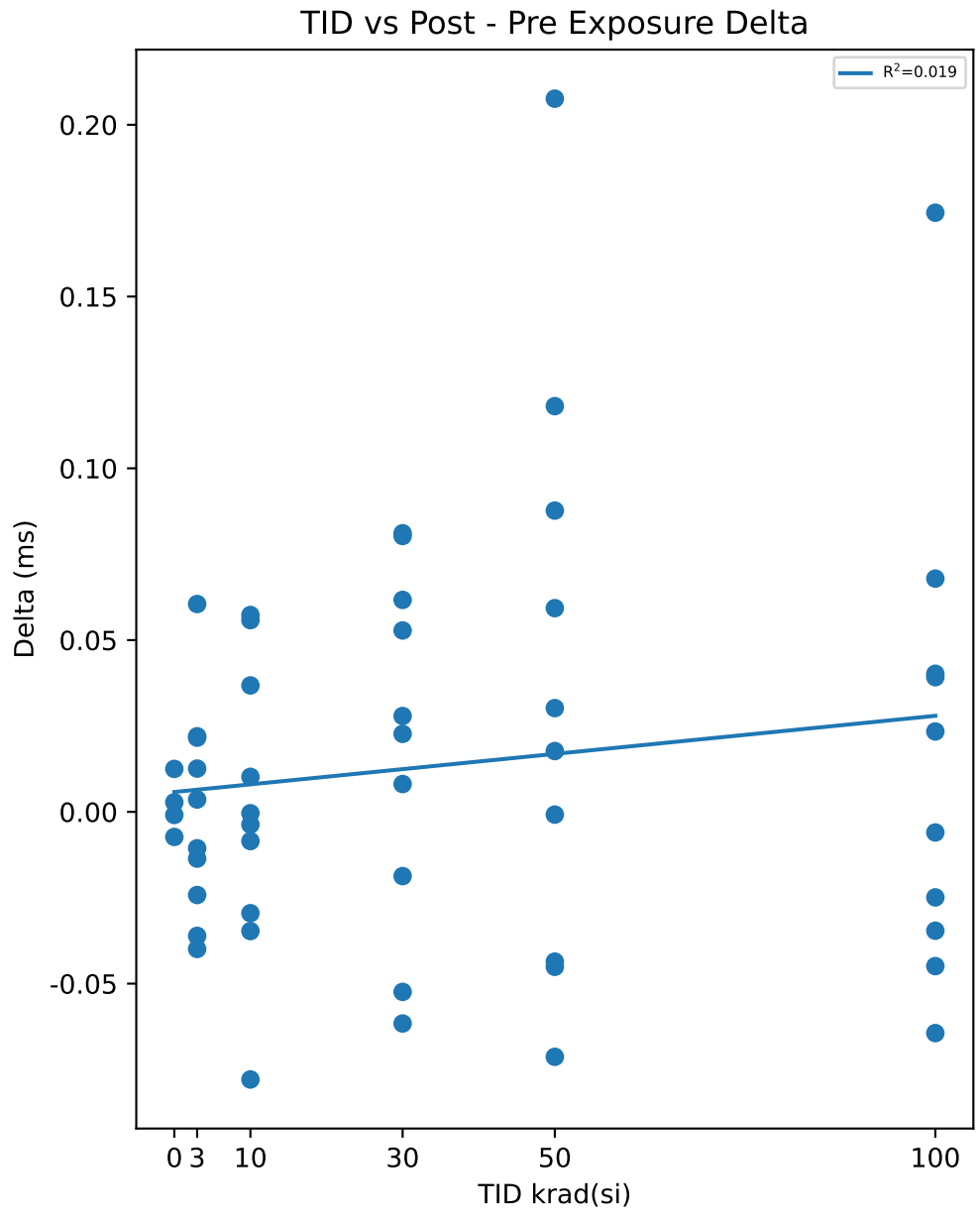
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.735	0.732	-0.003
3	3	Biased	0.7303	0.7283	-0.002
4	3	Biased	0.7523	0.7502	-0.0021
5	3	Biased	0.7275	0.7219	-0.0056
6	3	Biased	0.7178	0.718	0.0002
7	3	Unbiased	0.7307	0.7287	-0.002
8	3	Unbiased	0.7266	0.7244	-0.0022
9	3	Unbiased	0.7337	0.7328	-0.0009
10	3	Unbiased	0.7404	0.7404	0
11	3	Unbiased	0.7151	0.713	-0.0021
12	10	Unbiased	0.7183	0.7202	0.0019
13	10	Unbiased	0.728	0.7276	-0.0004
14	10	Unbiased	0.7232	0.7185	-0.0047
15	10	Unbiased	0.7377	0.7366	-0.0011
16	10	Unbiased	0.7253	0.7243	-0.001
17	10	Biased	0.7329	0.7327	-0.0002
18	10	Biased	0.7239	0.7216	-0.0023
19	10	Biased	0.7517	0.749	-0.0027
20	10	Biased	0.7308	0.7319	0.0011
21	10	Biased	0.7186	0.7156	-0.003
22	30	Biased	0.7212	0.7164	-0.0048
23	30	Biased	0.7358	0.7401	0.0043
24	30	Biased	0.7248	0.7243	-0.0005
25	30	Biased	0.7234	0.7208	-0.0026
26	30	Biased	0.7191	0.7195	0.0004
27	30	Unbiased	0.7366	0.7332	-0.0034
28	30	Unbiased	0.7343	0.7241	-0.0102
29	30	Unbiased	0.7251	0.7218	-0.0033
30	30	Unbiased	0.7327	0.721	-0.0117
31	30	Unbiased	0.7201	0.7244	0.0043
32	50	Biased	0.7351	0.72	-0.0151
33	50	Biased	0.7248	0.7288	0.004
34	50	Biased	0.7354	0.733	-0.0024
35	50	Biased	0.711	0.7129	0.0019
36	50	Biased	0.727	0.7186	-0.0084
37	50	Unbiased	0.7166	0.7118	-0.0048
39	50	Unbiased	0.7269	0.7303	0.0034
40	50	Unbiased	0.7319	0.7305	-0.0014
41	50	Unbiased	0.727	0.7227	-0.0043
42	50	Unbiased	0.7289	0.721	-0.0079
43	100	Biased	0.7212	0.7148	-0.0064
44	100	Biased	0.7164	0.7094	-0.007
45	100	Biased	0.7055	0.6987	-0.0068
46	100	Biased	0.7419	0.7458	0.0039
47	100	Biased	0.7207	0.719	-0.0017
48	100	Unbiased	0.7165	0.706	-0.0105
49	100	Unbiased	0.7229	0.7116	-0.0113
50	100	Unbiased	0.7347	0.7154	-0.0193
51	100	Unbiased	0.7319	0.7259	-0.006
52	100	Unbiased	0.7218	0.7214	-0.0004
53	0	Correlation	0.716	0.7161	0.0001
54	0	Correlation	0.7344	0.7346	0.0002
55	0	Correlation	0.727	0.7275	0.0005
56	0	Correlation	0.7313	0.7315	0.0002

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.716	0.72718	0.7344	0.0080442	0.7161	0.72742	0.7346	0.0080901	0.0001	0.00025	0.0005	0.00017321
3	0.7151	0.73094	0.7523	0.010669	0.713	0.72897	0.7502	0.010811	-0.0056	-0.00197	0.0002	0.0016351
10	0.7183	0.72904	0.7517	0.010036	0.7156	0.7278	0.749	0.010064	-0.0047	-0.00124	0.0019	0.0019867
30	0.7191	0.72731	0.7366	0.0068271	0.7164	0.72456	0.7401	0.0070164	-0.0117	-0.00275	0.0043	0.0053223
50	0.711	0.72646	0.7354	0.0076731	0.7118	0.72296	0.733	0.0074764	-0.0151	-0.0035	0.004	0.0059526
100	0.7055	0.72335	0.7419	0.010404	0.6987	0.7168	0.7458	0.012831	-0.0193	-0.00655	0.0039	0.0064279

Device Test: 5.50; DLY_TMR_500KOHM





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

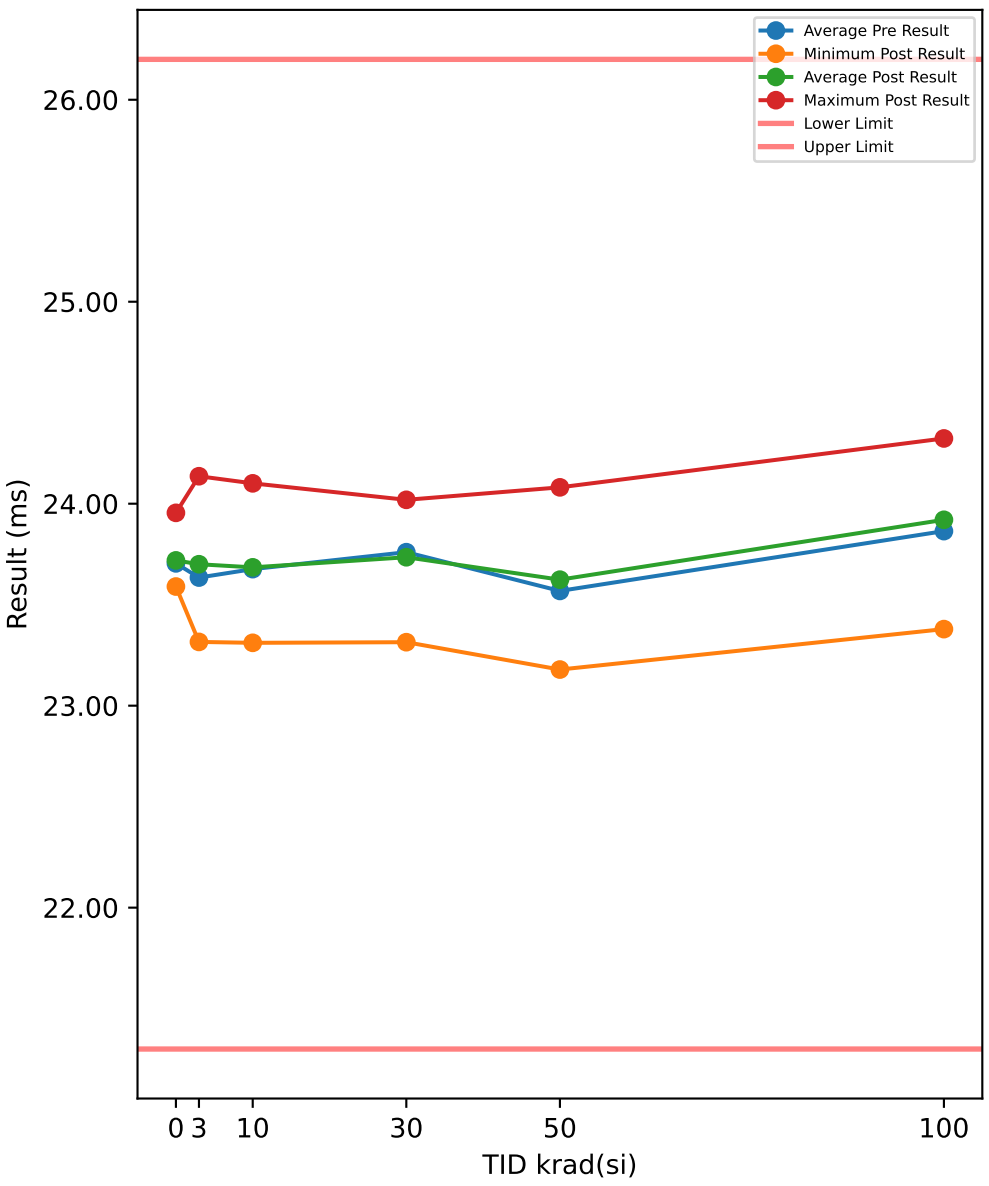
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.41	12.386	-0.0242
3	3	Biased	12.364	12.377	0.0126
4	3	Biased	12.295	12.255	-0.0399
5	3	Biased	12.727	12.717	-0.0106
6	3	Biased	12.569	12.573	0.0036
7	3	Unbiased	12.345	12.309	-0.0361
8	3	Unbiased	12.57	12.63	0.0605
9	3	Unbiased	12.417	12.404	-0.0136
10	3	Unbiased	12.396	12.418	0.022
11	3	Unbiased	12.393	12.415	0.0216
12	10	Unbiased	12.286	12.322	0.0368
13	10	Unbiased	12.313	12.312	-0.0004
14	10	Unbiased	12.35	12.361	0.0102
15	10	Unbiased	12.663	12.72	0.0573
16	10	Unbiased	12.571	12.541	-0.0295
17	10	Biased	12.572	12.628	0.0558
18	10	Biased	12.533	12.455	-0.0779
19	10	Biased	12.45	12.415	-0.0347
20	10	Biased	12.473	12.47	-0.0037
21	10	Biased	12.547	12.538	-0.0085
22	30	Biased	12.452	12.532	0.0803
23	30	Biased	12.414	12.361	-0.0524
24	30	Biased	12.232	12.214	-0.0187
25	30	Biased	12.457	12.485	0.0279
26	30	Biased	12.579	12.641	0.0617
27	30	Unbiased	12.448	12.529	0.0811
28	30	Unbiased	12.547	12.57	0.0227
29	30	Unbiased	12.475	12.413	-0.0616
30	30	Unbiased	12.585	12.638	0.0528
31	30	Unbiased	12.553	12.561	0.0081
32	50	Biased	12.432	12.52	0.0877
33	50	Biased	12.499	12.529	0.0302
34	50	Biased	12.263	12.47	0.2076
35	50	Biased	12.378	12.496	0.1181
36	50	Biased	12.517	12.445	-0.0713
37	50	Unbiased	12.227	12.287	0.0593
39	50	Unbiased	12.488	12.443	-0.0451
40	50	Unbiased	12.362	12.318	-0.0436
41	50	Unbiased	12.225	12.224	-0.0008
42	50	Unbiased	12.655	12.672	0.0177
43	100	Biased	12.433	12.473	0.0402
44	100	Biased	12.767	12.806	0.0392
45	100	Biased	12.701	12.769	0.0679
46	100	Biased	12.56	12.554	-0.006
47	100	Biased	12.707	12.663	-0.0449
48	100	Unbiased	12.545	12.719	0.1744
49	100	Unbiased	12.41	12.346	-0.0644
50	100	Unbiased	12.255	12.278	0.0234
51	100	Unbiased	12.457	12.423	-0.0346
52	100	Unbiased	12.632	12.607	-0.0249
53	0	Correlation	12.559	12.571	0.0125
54	0	Correlation	12.473	12.465	-0.0073
55	0	Correlation	12.474	12.473	-0.0009
56	0	Correlation	12.408	12.411	0.0028

Test Statistics (ms)

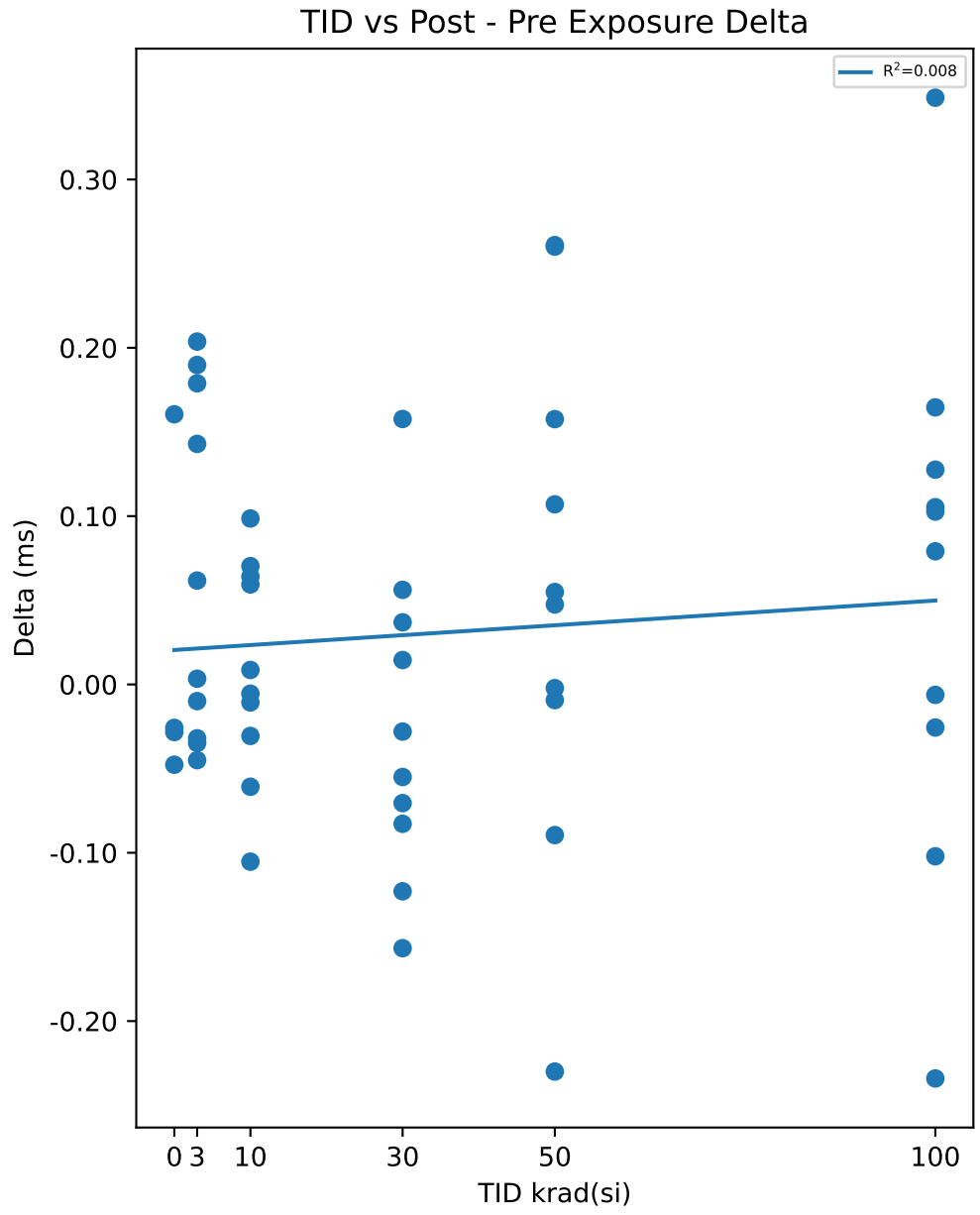
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.408	12.478	12.559	0.061819	12.411	12.48	12.571	0.066794	-0.0073	0.001775	0.0125	0.0082782
3	12.295	12.449	12.727	0.13199	12.255	12.448	12.717	0.14555	-0.0399	-0.00041	0.0605	0.030838
10	12.286	12.476	12.663	0.12505	12.312	12.476	12.72	0.1328	-0.0779	0.00054	0.0573	0.04227
30	12.232	12.474	12.585	0.10459	12.214	12.494	12.641	0.13249	-0.0616	0.02019	0.0811	0.051417
50	12.225	12.404	12.655	0.1407	12.224	12.44	12.672	0.13227	-0.0713	0.03598	0.2076	0.085344
100	12.255	12.547	12.767	0.15999	12.278	12.564	12.806	0.18068	-0.0644	0.01703	0.1744	0.069795

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))

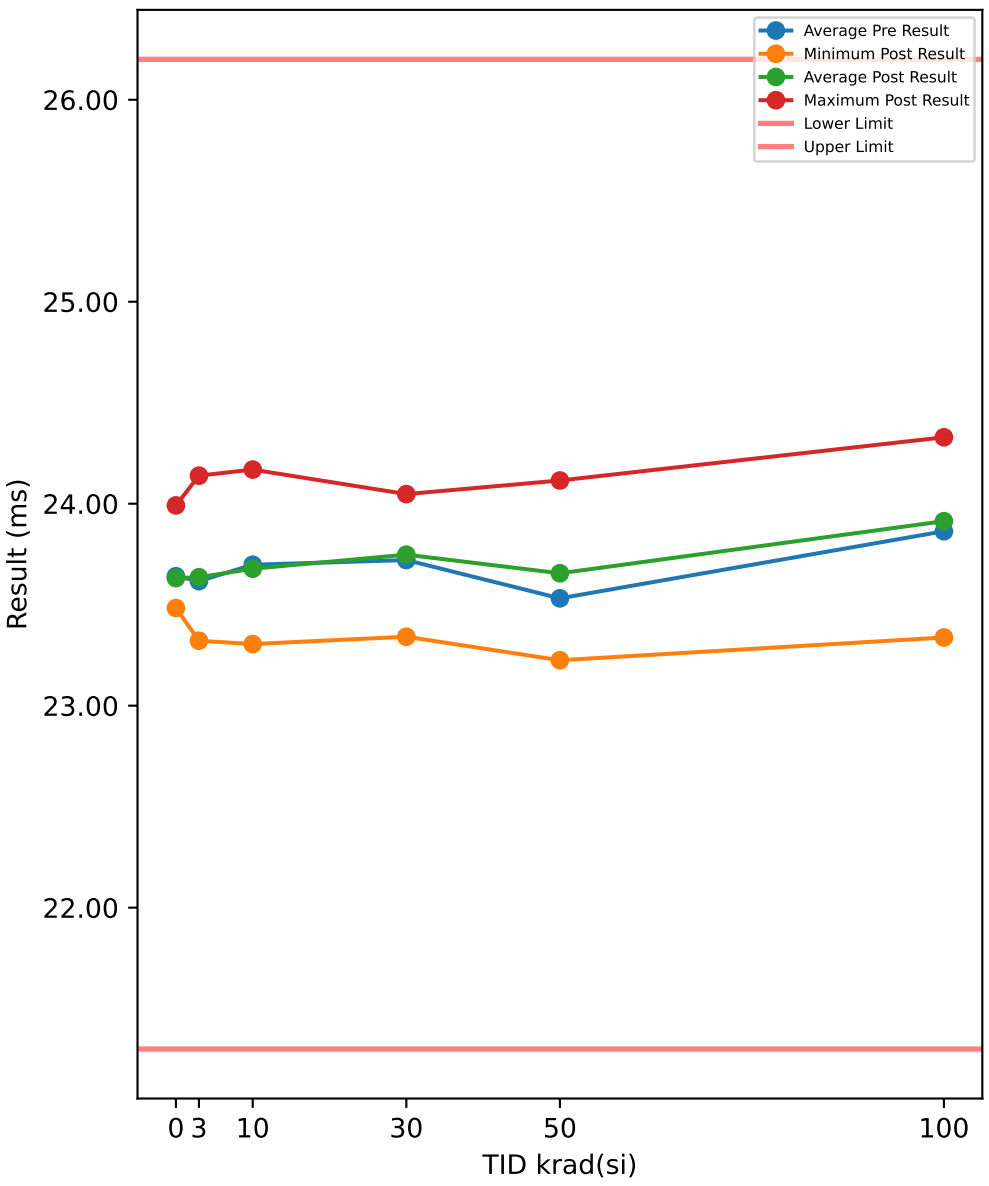
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.566	23.745	0.1789
3	3	Biased	23.52	23.709	0.1898
4	3	Biased	23.326	23.316	-0.0099
5	3	Biased	24.168	24.136	-0.032
6	3	Biased	23.844	23.847	0.0034
7	3	Unbiased	23.377	23.342	-0.0348
8	3	Unbiased	23.915	24.058	0.1429
9	3	Unbiased	23.546	23.501	-0.045
10	3	Unbiased	23.501	23.562	0.0617
11	3	Unbiased	23.582	23.785	0.2037
12	10	Unbiased	23.252	23.311	0.0594
13	10	Unbiased	23.448	23.442	-0.0055
14	10	Unbiased	23.497	23.505	0.0086
15	10	Unbiased	24.037	24.101	0.0641
16	10	Unbiased	23.772	23.843	0.0703
17	10	Biased	23.891	23.989	0.0986
18	10	Biased	23.634	23.529	-0.1053
19	10	Biased	23.613	23.552	-0.0608
20	10	Biased	23.746	23.735	-0.0107
21	10	Biased	23.872	23.842	-0.0306
22	30	Biased	23.828	23.8	-0.028
23	30	Biased	23.509	23.386	-0.1229
24	30	Biased	23.369	23.314	-0.055
25	30	Biased	23.644	23.681	0.0369
26	30	Biased	23.87	23.927	0.0562
27	30	Unbiased	23.861	24.019	0.1577
28	30	Unbiased	23.977	23.894	-0.0828
29	30	Unbiased	23.648	23.492	-0.1567
30	30	Unbiased	23.958	23.887	-0.0705
31	30	Unbiased	23.935	23.949	0.0145
32	50	Biased	23.592	23.75	0.1576
33	50	Biased	23.534	23.794	0.2601
34	50	Biased	23.464	23.725	0.261
35	50	Biased	23.609	23.656	0.0475
36	50	Biased	23.765	23.82	0.0549
37	50	Unbiased	23.155	23.262	0.107
39	50	Unbiased	23.833	23.603	-0.23
40	50	Unbiased	23.457	23.367	-0.0895
41	50	Unbiased	23.181	23.179	-0.0022
42	50	Unbiased	24.09	24.081	-0.0093
43	100	Biased	23.815	23.92	0.1053
44	100	Biased	24.023	24.151	0.1276
45	100	Biased	24.159	24.323	0.1646
46	100	Biased	24.072	24.066	-0.0062
47	100	Biased	24.262	24.16	-0.1021
48	100	Unbiased	23.855	24.204	0.3486
49	100	Unbiased	23.415	23.494	0.0791
50	100	Unbiased	23.405	23.379	-0.0256
51	100	Unbiased	23.619	23.721	0.1027
52	100	Unbiased	24.019	23.785	-0.2341
53	0	Correlation	23.983	23.955	-0.0283
54	0	Correlation	23.646	23.62	-0.0258
55	0	Correlation	23.638	23.59	-0.0477
56	0	Correlation	23.552	23.713	0.1605

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	23.552	23.705	23.983	0.19035	23.59	23.719	23.955	0.16543	-0.0477	0.014675	0.1605	0.097708
3	23.326	23.634	24.168	0.26154	23.316	23.7	24.136	0.27569	-0.045	0.06587	0.2037	0.10259
10	23.252	23.676	24.037	0.23542	23.311	23.685	24.101	0.25612	-0.1053	0.00881	0.0986	0.064519
30	23.369	23.76	23.977	0.20686	23.314	23.735	24.019	0.25312	-0.1567	-0.02506	0.1577	0.093461
50	23.155	23.568	24.09	0.28447	23.179	23.624	24.081	0.27862	-0.23	0.05571	0.261	0.15177
100	23.405	23.864	24.262	0.3007	23.379	23.92	24.323	0.31756	-0.2341	0.05599	0.3486	0.15894

Device Test: 5.52; DLY_TMR_1MOHM

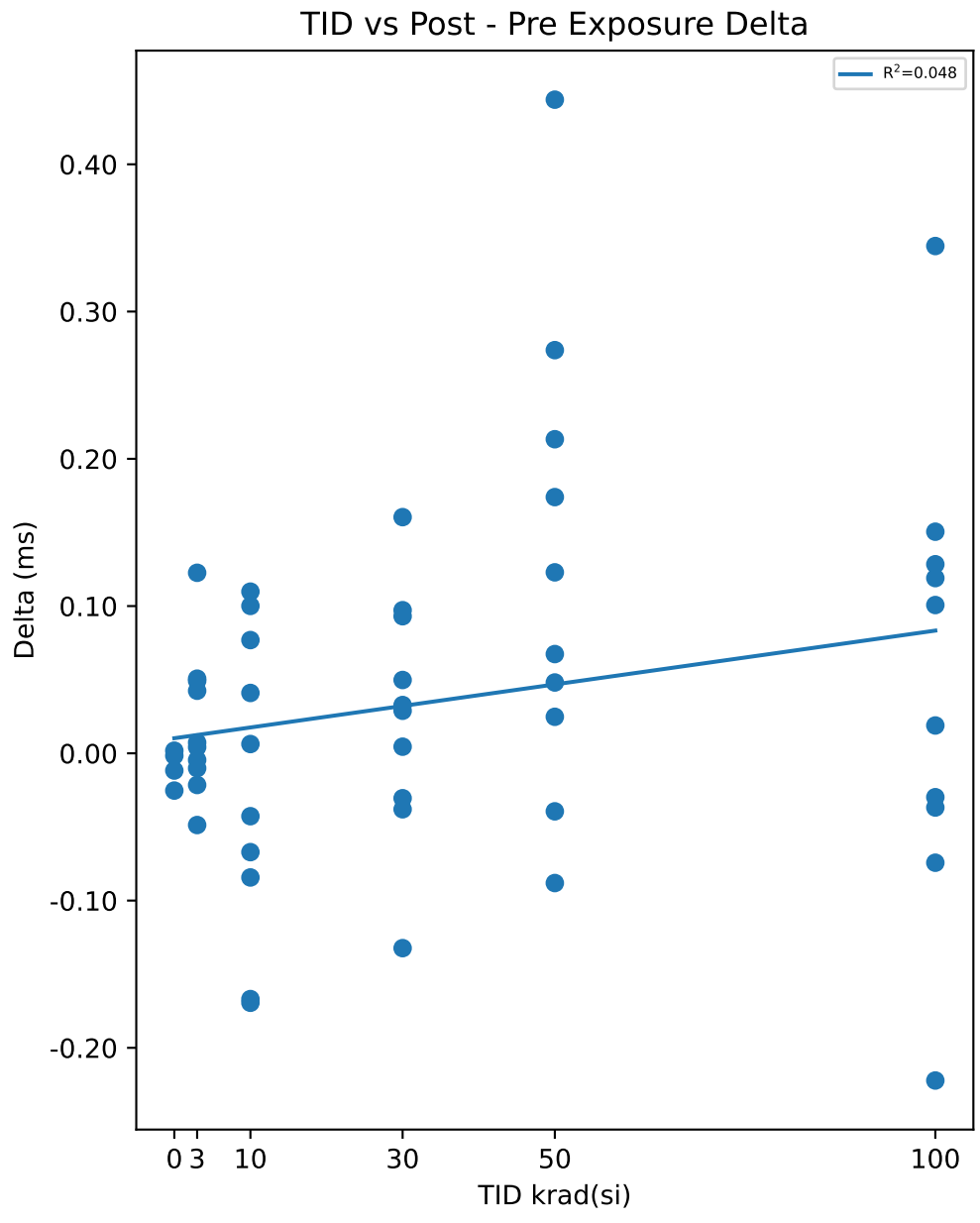
TID vs Result Stats



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

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.592	23.6	0.0073
3	3	Biased	23.545	23.595	0.0492
4	3	Biased	23.326	23.322	-0.0045
5	3	Biased	24.188	24.139	-0.0487
6	3	Biased	23.866	23.87	0.0042
7	3	Unbiased	23.377	23.367	-0.0101
8	3	Unbiased	23.936	24.058	0.1226
9	3	Unbiased	23.38	23.359	-0.0215
10	3	Unbiased	23.35	23.401	0.0507
11	3	Unbiased	23.605	23.648	0.0425
12	10	Unbiased	23.287	23.328	0.041
13	10	Unbiased	23.472	23.305	-0.1669
14	10	Unbiased	23.523	23.529	0.0063
15	10	Unbiased	24.059	24.169	0.1098
16	10	Unbiased	23.793	23.87	0.0769
17	10	Biased	23.911	24.011	0.1001
18	10	Biased	23.634	23.549	-0.0843
19	10	Biased	23.639	23.572	-0.0671
20	10	Biased	23.769	23.599	-0.1694
21	10	Biased	23.891	23.849	-0.0427
22	30	Biased	23.851	23.855	0.0045
23	30	Biased	23.349	23.442	0.0931
24	30	Biased	23.372	23.341	-0.0305
25	30	Biased	23.666	23.695	0.0289
26	30	Biased	23.893	23.943	0.0498
27	30	Unbiased	23.887	24.047	0.1604
28	30	Unbiased	23.793	23.89	0.0972
29	30	Unbiased	23.487	23.355	-0.1323
30	30	Unbiased	23.977	23.939	-0.038
31	30	Unbiased	23.935	23.968	0.0328
32	50	Biased	23.622	23.796	0.174
33	50	Biased	23.553	23.827	0.2738
34	50	Biased	23.304	23.748	0.4439
35	50	Biased	23.45	23.663	0.2133
36	50	Biased	23.792	23.84	0.0481
37	50	Unbiased	23.177	23.3	0.1229
39	50	Unbiased	23.692	23.604	-0.0881
40	50	Unbiased	23.478	23.439	-0.0394
41	50	Unbiased	23.157	23.225	0.0674
42	50	Unbiased	24.09	24.115	0.0248
43	100	Biased	23.84	23.941	0.1007
44	100	Biased	24.045	24.174	0.1284
45	100	Biased	24.178	24.329	0.1505
46	100	Biased	24.073	24.092	0.0189
47	100	Biased	24.259	24.222	-0.0368
48	100	Unbiased	23.901	24.246	0.3445
49	100	Unbiased	23.412	23.338	-0.0743
50	100	Unbiased	23.432	23.402	-0.0298
51	100	Unbiased	23.456	23.575	0.119
52	100	Unbiased	24.038	23.815	-0.2222
53	0	Correlation	24.003	23.991	-0.0117
54	0	Correlation	23.482	23.484	0.0018
55	0	Correlation	23.501	23.499	-0.0016
56	0	Correlation	23.578	23.553	-0.0253

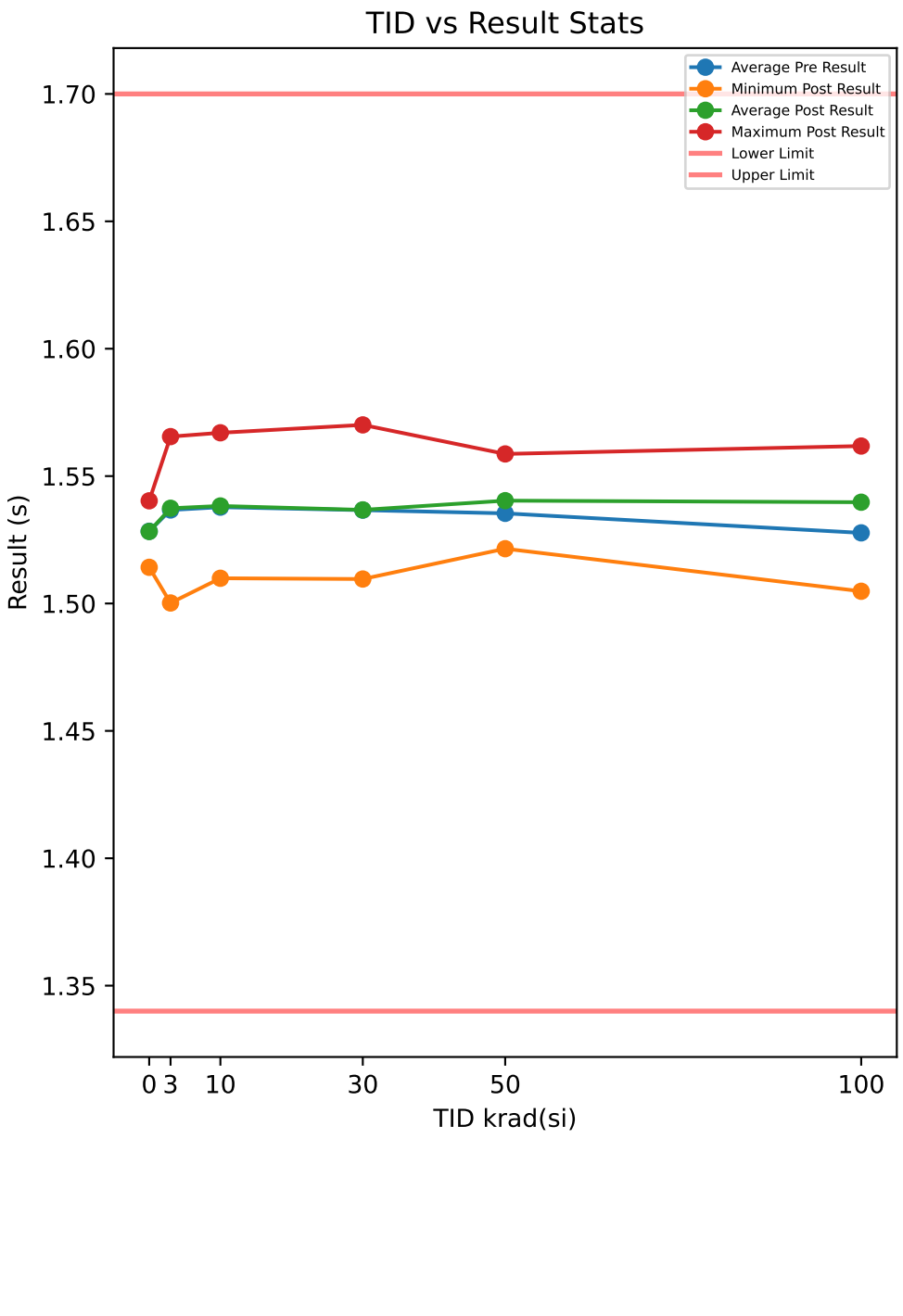
TID vs Post - Pre Exposure Delta

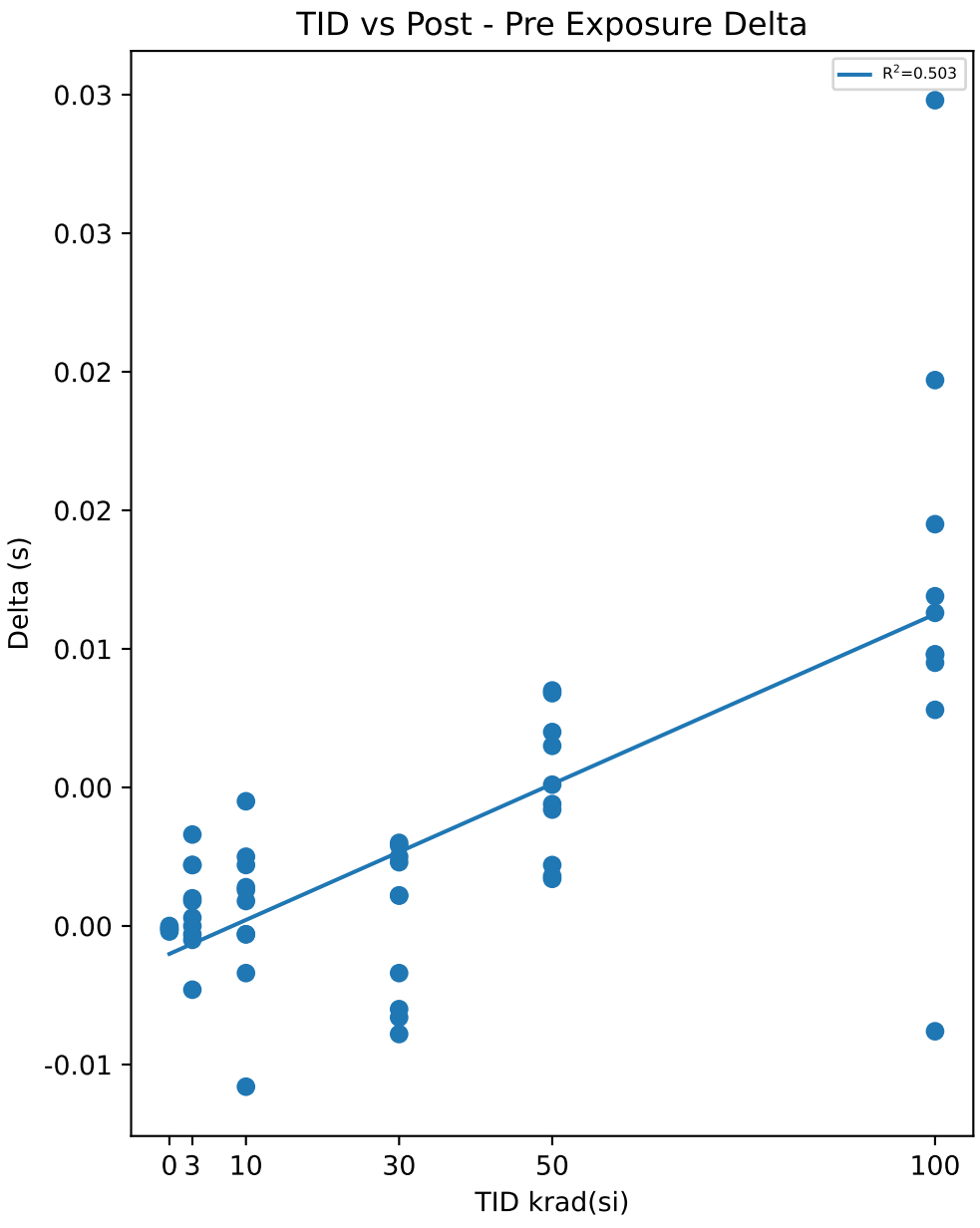


Test Statistics (ms)

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	23.482	23.641	24.003	0.24507	23.484	23.632	23.991	0.24166	-0.0253	-0.0092	0.0018	0.012169
3	23.326	23.617	24.188	0.29144	23.322	23.636	24.139	0.29677	-0.0487	0.01917	0.1226	0.048512
10	23.287	23.698	24.059	0.23227	23.305	23.678	24.169	0.28591	-0.1694	-0.01963	0.1098	0.10319
30	23.349	23.721	23.977	0.23763	23.341	23.748	24.047	0.27085	-0.1323	0.02659	0.1604	0.082369
50	23.157	23.532	24.09	0.287	23.225	23.656	24.115	0.27172	-0.0881	0.12407	0.4439	0.15837
100	23.412	23.863	24.259	0.31996	23.338	23.913	24.329	0.36459	-0.2222	0.04989	0.3445	0.15446

Device Test: 5.53; WD_TMR_1MOHM





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

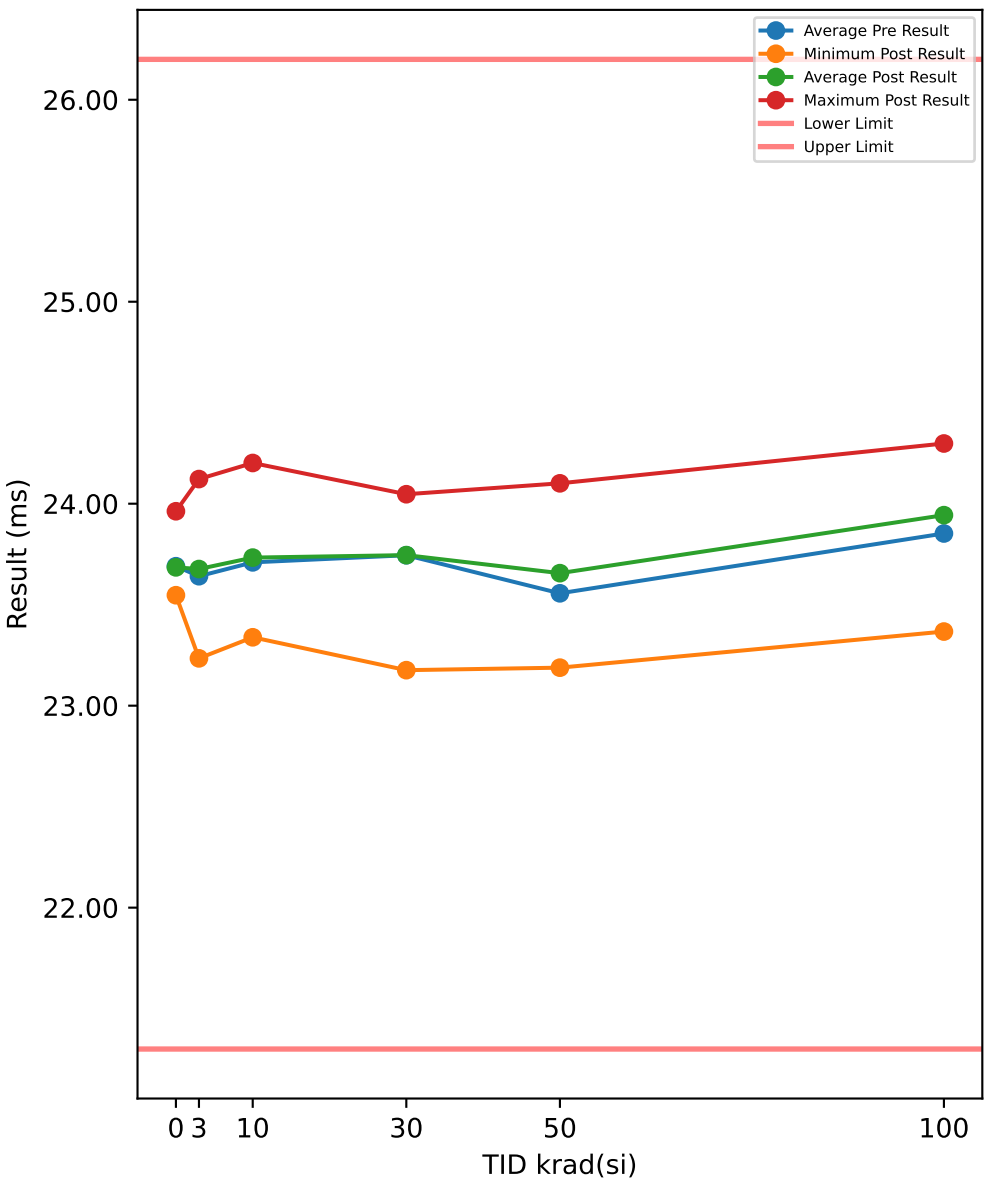
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.5386	1.5396	0.001
3	3	Biased	1.5432	1.5432	0
4	3	Biased	1.538	1.5375	-0.0005
5	3	Biased	1.498	1.5002	0.0022
6	3	Biased	1.5622	1.5655	0.0033
7	3	Unbiased	1.5328	1.5305	-0.0023
8	3	Unbiased	1.5254	1.5276	0.0022
9	3	Unbiased	1.5488	1.5497	0.0009
10	3	Unbiased	1.5385	1.5382	-0.0003
11	3	Unbiased	1.5415	1.5418	0.0003
12	10	Unbiased	1.5361	1.5303	-0.0058
13	10	Unbiased	1.5673	1.567	-0.0003
14	10	Unbiased	1.5314	1.5339	0.0025
15	10	Unbiased	1.5223	1.5236	0.0013
16	10	Unbiased	1.5215	1.5237	0.0022
17	10	Biased	1.5442	1.5487	0.0045
18	10	Biased	1.509	1.5099	0.0009
19	10	Biased	1.5495	1.5492	-0.0003
20	10	Biased	1.5411	1.5394	-0.0017
21	10	Biased	1.5557	1.5571	0.0014
22	30	Biased	1.5144	1.5127	-0.0017
23	30	Biased	1.5126	1.5096	-0.003
24	30	Biased	1.574	1.5701	-0.0039
25	30	Biased	1.5248	1.5271	0.0023
26	30	Biased	1.5437	1.5448	0.0011
27	30	Unbiased	1.5393	1.5404	0.0011
28	30	Unbiased	1.5556	1.5581	0.0025
29	30	Unbiased	1.526	1.529	0.003
30	30	Unbiased	1.5362	1.5391	0.0029
31	30	Unbiased	1.5398	1.5365	-0.0033
32	50	Biased	1.5193	1.5258	0.0065
33	50	Biased	1.5173	1.5215	0.0042
34	50	Biased	1.5335	1.5386	0.0051
35	50	Biased	1.5388	1.5432	0.0044
36	50	Biased	1.5488	1.551	0.0022
37	50	Unbiased	1.5363	1.5447	0.0084
39	50	Unbiased	1.5251	1.5268	0.0017
40	50	Unbiased	1.5364	1.5382	0.0018
41	50	Unbiased	1.5517	1.5587	0.007
42	50	Unbiased	1.5466	1.5551	0.0085
43	100	Biased	1.5136	1.5333	0.0197
44	100	Biased	1.5436	1.5398	-0.0038
45	100	Biased	1.542	1.5565	0.0145
46	100	Biased	1.5161	1.5259	0.0098
47	100	Biased	1.5304	1.5417	0.0113
48	100	Unbiased	1.5348	1.5426	0.0078
49	100	Unbiased	1.5415	1.551	0.0095
50	100	Unbiased	1.5282	1.5401	0.0119
51	100	Unbiased	1.532	1.5618	0.0298
52	100	Unbiased	1.495	1.5048	0.0098
53	0	Correlation	1.5404	1.5403	-0.0001
54	0	Correlation	1.5144	1.5142	-0.0002
55	0	Correlation	1.5218	1.5218	0
56	0	Correlation	1.5368	1.5367	-0.0001

Test Statistics (s)

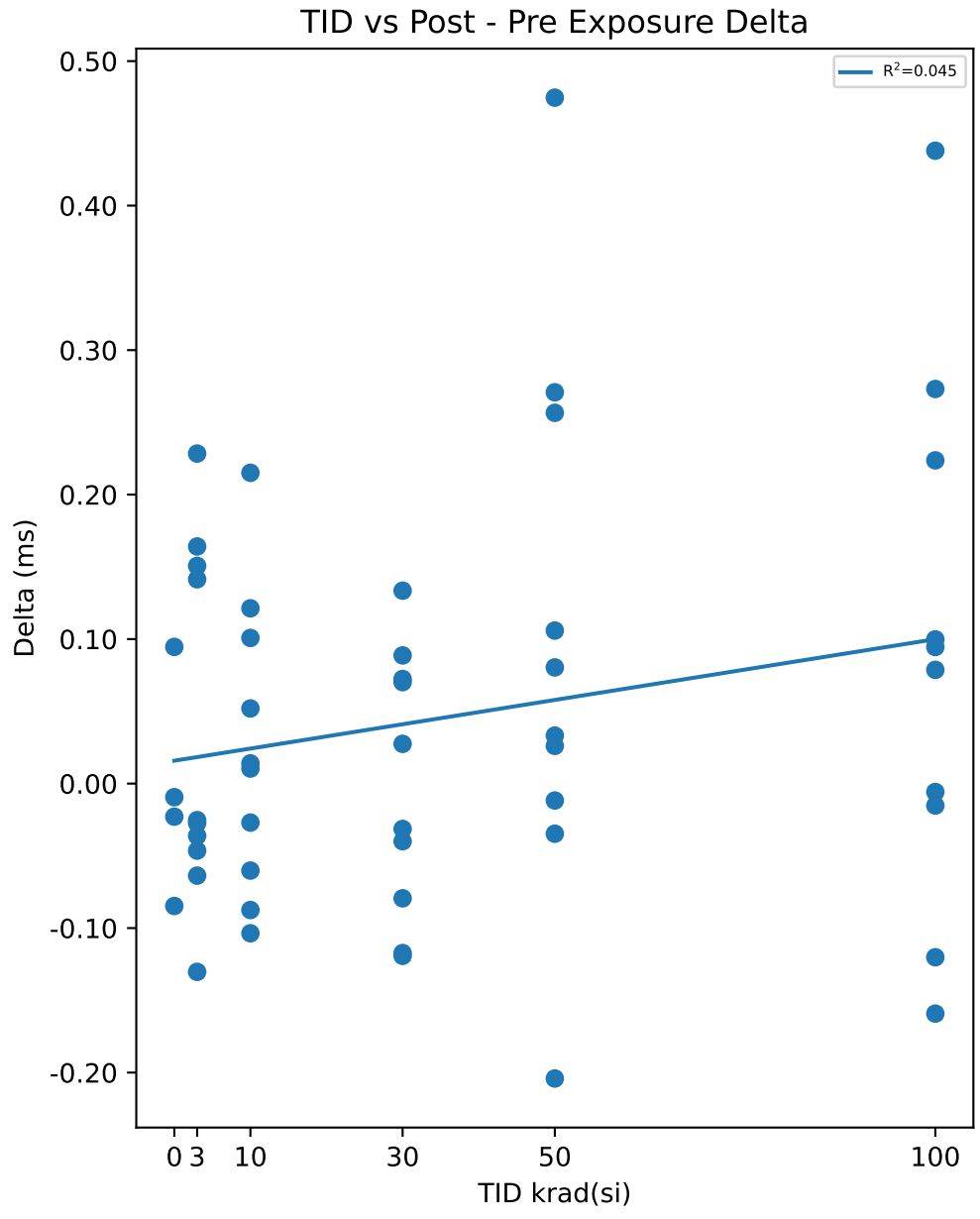
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.5144	1.5284	1.5404	0.012303	1.5142	1.5282	1.5403	0.012324	-0.0002	-0.0001	0	8.165e-05
3	1.498	1.5367	1.5622	0.016704	1.5002	1.5374	1.5655	0.016756	-0.0023	0.00068	0.0033	0.0016151
10	1.509	1.5378	1.5673	0.017508	1.5099	1.5383	1.567	0.017399	-0.0058	0.00047	0.0045	0.0027949
30	1.5126	1.5366	1.574	0.018703	1.5096	1.5367	1.5701	0.01862	-0.0039	0.0001	0.003	0.0027741
50	1.5173	1.5354	1.5517	0.011928	1.5215	1.5404	1.5587	0.012706	0.0017	0.00498	0.0085	0.0025828
100	1.495	1.5277	1.5436	0.015373	1.5048	1.5398	1.5618	0.016194	-0.0038	0.01203	0.0298	0.0086028

Device Test: 5.54; DLY_TMR_1MOHM

TID vs Result Stats



TID vs Post - Pre Exposure Delta



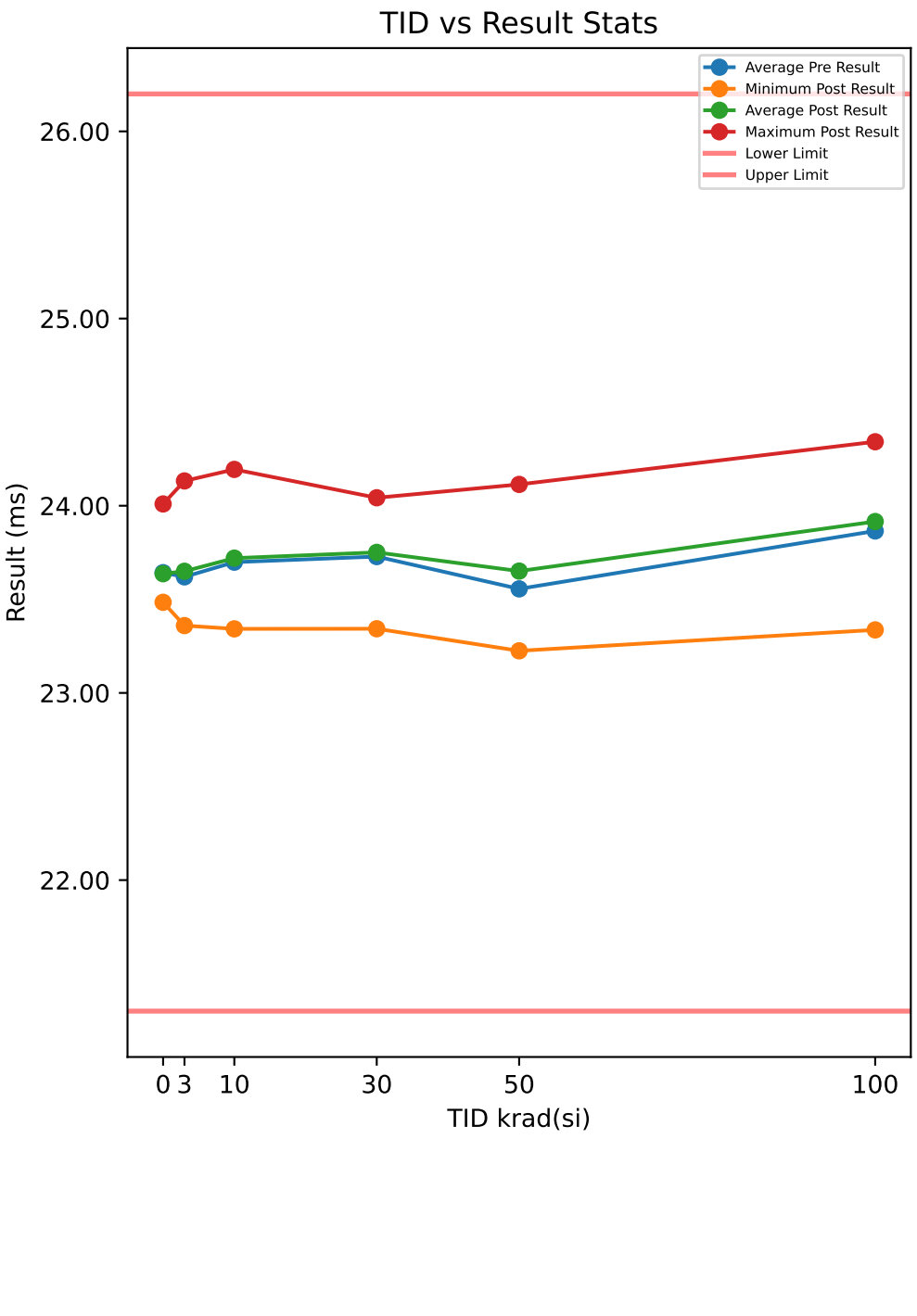
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

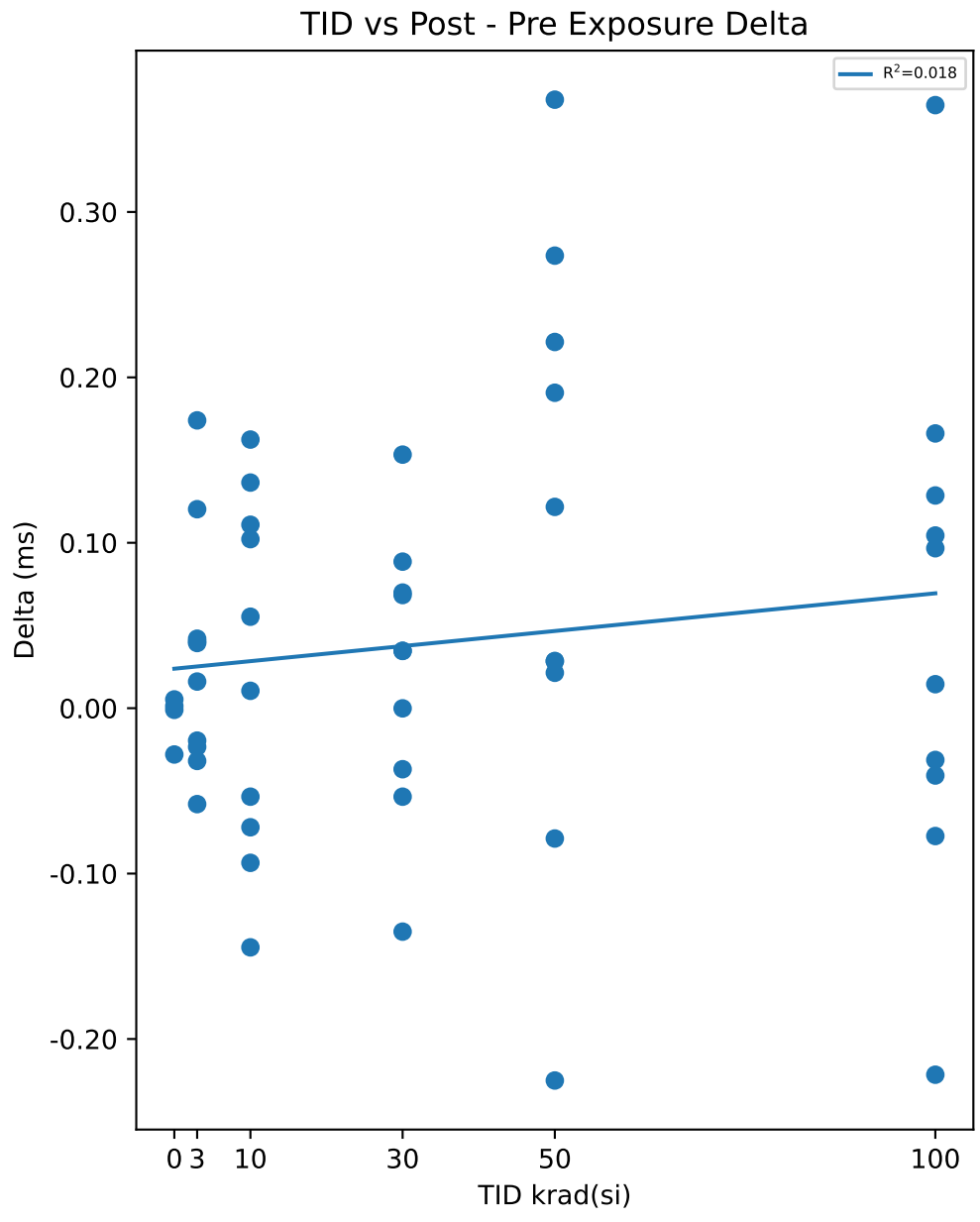
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.585	23.749	0.1641
3	3	Biased	23.656	23.629	-0.0273
4	3	Biased	23.51	23.485	-0.0253
5	3	Biased	24.125	24.089	-0.0361
6	3	Biased	23.866	23.82	-0.0464
7	3	Unbiased	23.365	23.234	-0.1303
8	3	Unbiased	23.894	24.122	0.2284
9	3	Unbiased	23.416	23.353	-0.0637
10	3	Unbiased	23.357	23.508	0.1507
11	3	Unbiased	23.636	23.777	0.1414
12	10	Unbiased	23.217	23.339	0.1213
13	10	Unbiased	23.305	23.357	0.052
14	10	Unbiased	23.546	23.519	-0.027
15	10	Unbiased	23.986	24.202	0.2151
16	10	Unbiased	23.901	23.915	0.014
17	10	Biased	23.985	24.085	0.1008
18	10	Biased	23.737	23.677	-0.0602
19	10	Biased	23.716	23.612	-0.1036
20	10	Biased	23.741	23.653	-0.0875
21	10	Biased	23.963	23.973	0.0104
22	30	Biased	23.946	23.828	-0.1173
23	30	Biased	23.49	23.411	-0.0794
24	30	Biased	23.216	23.176	-0.0399
25	30	Biased	23.712	23.783	0.0702
26	30	Biased	23.878	23.905	0.0275
27	30	Unbiased	23.855	23.988	0.1335
28	30	Unbiased	23.863	23.952	0.0887
29	30	Unbiased	23.507	23.388	-0.1192
30	30	Unbiased	24.007	23.976	-0.0314
31	30	Unbiased	23.974	24.047	0.0724
32	50	Biased	23.719	23.825	0.1059
33	50	Biased	23.542	23.813	0.2708
34	50	Biased	23.375	23.849	0.4747
35	50	Biased	23.473	23.729	0.2566
36	50	Biased	23.805	23.838	0.0332
37	50	Unbiased	23.2	23.188	-0.0117
39	50	Unbiased	23.741	23.706	-0.0347
40	50	Unbiased	23.479	23.274	-0.2041
41	50	Unbiased	23.156	23.236	0.0804
42	50	Unbiased	24.075	24.101	0.0261
43	100	Biased	23.884	23.978	0.0945
44	100	Biased	23.99	24.213	0.2237
45	100	Biased	24.197	24.297	0.0998
46	100	Biased	24.003	24.081	0.0787
47	100	Biased	24.262	24.247	-0.0152
48	100	Unbiased	23.86	24.298	0.438
49	100	Unbiased	23.532	23.412	-0.1202
50	100	Unbiased	23.373	23.367	-0.0058
51	100	Unbiased	23.448	23.721	0.2731
52	100	Unbiased	23.977	23.817	-0.1592
53	0	Correlation	23.972	23.963	-0.0094
54	0	Correlation	23.521	23.615	0.0946
55	0	Correlation	23.632	23.547	-0.0847
56	0	Correlation	23.637	23.615	-0.0229

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	23.521	23.69	23.972	0.19524	23.547	23.685	23.963	0.18793	-0.0847	-0.0056	0.0946	0.07441
3	23.357	23.641	24.125	0.25313	23.234	23.677	24.122	0.29295	-0.1303	0.03555	0.2284	0.12249
10	23.217	23.71	23.986	0.27646	23.339	23.733	24.202	0.29846	-0.1036	0.02353	0.2151	0.10075
30	23.216	23.745	24.007	0.25985	23.176	23.745	24.047	0.30609	-0.1192	0.00051	0.1335	0.090347
50	23.156	23.556	24.075	0.28373	23.188	23.656	24.101	0.31091	-0.2041	0.09972	0.4747	0.19077
100	23.373	23.853	24.262	0.30559	23.367	23.943	24.298	0.35214	-0.1592	0.09074	0.438	0.18235

Device Test: 5.55; DLY_TMR_1MOHM





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

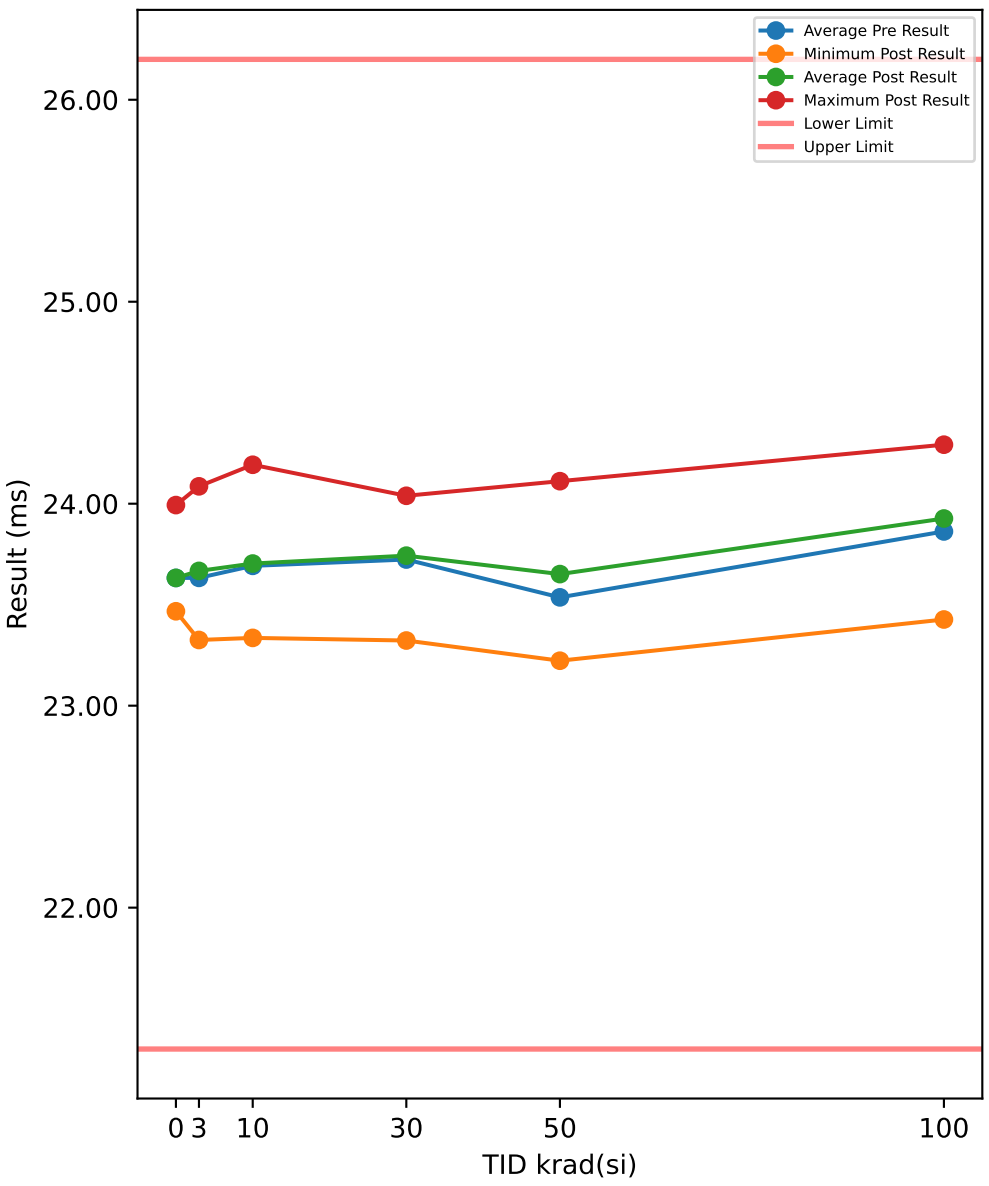
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.597	23.613	0.0161
3	3	Biased	23.553	23.593	0.0403
4	3	Biased	23.329	23.503	0.174
5	3	Biased	24.191	24.133	-0.058
6	3	Biased	23.862	23.83	-0.0319
7	3	Unbiased	23.383	23.363	-0.0196
8	3	Unbiased	23.937	24.058	0.1203
9	3	Unbiased	23.383	23.36	-0.0234
10	3	Unbiased	23.354	23.396	0.042
11	3	Unbiased	23.611	23.65	0.0394
12	10	Unbiased	23.287	23.342	0.0553
13	10	Unbiased	23.48	23.49	0.0105
14	10	Unbiased	23.526	23.688	0.1624
15	10	Unbiased	24.058	24.194	0.1364
16	10	Unbiased	23.792	23.902	0.1109
17	10	Biased	23.913	24.015	0.1022
18	10	Biased	23.631	23.537	-0.0935
19	10	Biased	23.643	23.571	-0.072
20	10	Biased	23.768	23.624	-0.1446
21	10	Biased	23.89	23.836	-0.0535
22	30	Biased	23.855	23.855	-0.0001
23	30	Biased	23.351	23.439	0.0886
24	30	Biased	23.38	23.343	-0.0369
25	30	Biased	23.67	23.704	0.0347
26	30	Biased	23.892	23.961	0.0699
27	30	Unbiased	23.889	24.043	0.1533
28	30	Unbiased	23.848	23.917	0.0684
29	30	Unbiased	23.486	23.351	-0.1351
30	30	Unbiased	23.98	23.926	-0.0535
31	30	Unbiased	23.935	23.969	0.0346
32	50	Biased	23.622	23.813	0.1907
33	50	Biased	23.557	23.831	0.2736
34	50	Biased	23.489	23.857	0.3679
35	50	Biased	23.455	23.677	0.2214
36	50	Biased	23.795	23.823	0.0285
37	50	Unbiased	23.176	23.298	0.1217
39	50	Unbiased	23.694	23.615	-0.0788
40	50	Unbiased	23.482	23.256	-0.2251
41	50	Unbiased	23.203	23.225	0.0214
42	50	Unbiased	24.085	24.114	0.0284
43	100	Biased	23.844	23.941	0.0967
44	100	Biased	24.046	24.15	0.1044
45	100	Biased	24.176	24.342	0.1661
46	100	Biased	24.078	24.093	0.0145
47	100	Biased	24.263	24.222	-0.0407
48	100	Unbiased	23.9	24.265	0.3646
49	100	Unbiased	23.414	23.337	-0.0773
50	100	Unbiased	23.437	23.405	-0.0313
51	100	Unbiased	23.457	23.585	0.1286
52	100	Unbiased	24.038	23.817	-0.2216
53	0	Correlation	24.004	24.009	0.0053
54	0	Correlation	23.483	23.484	0.0013
55	0	Correlation	23.5	23.498	-0.001
56	0	Correlation	23.583	23.555	-0.028

Test Statistics (ms)

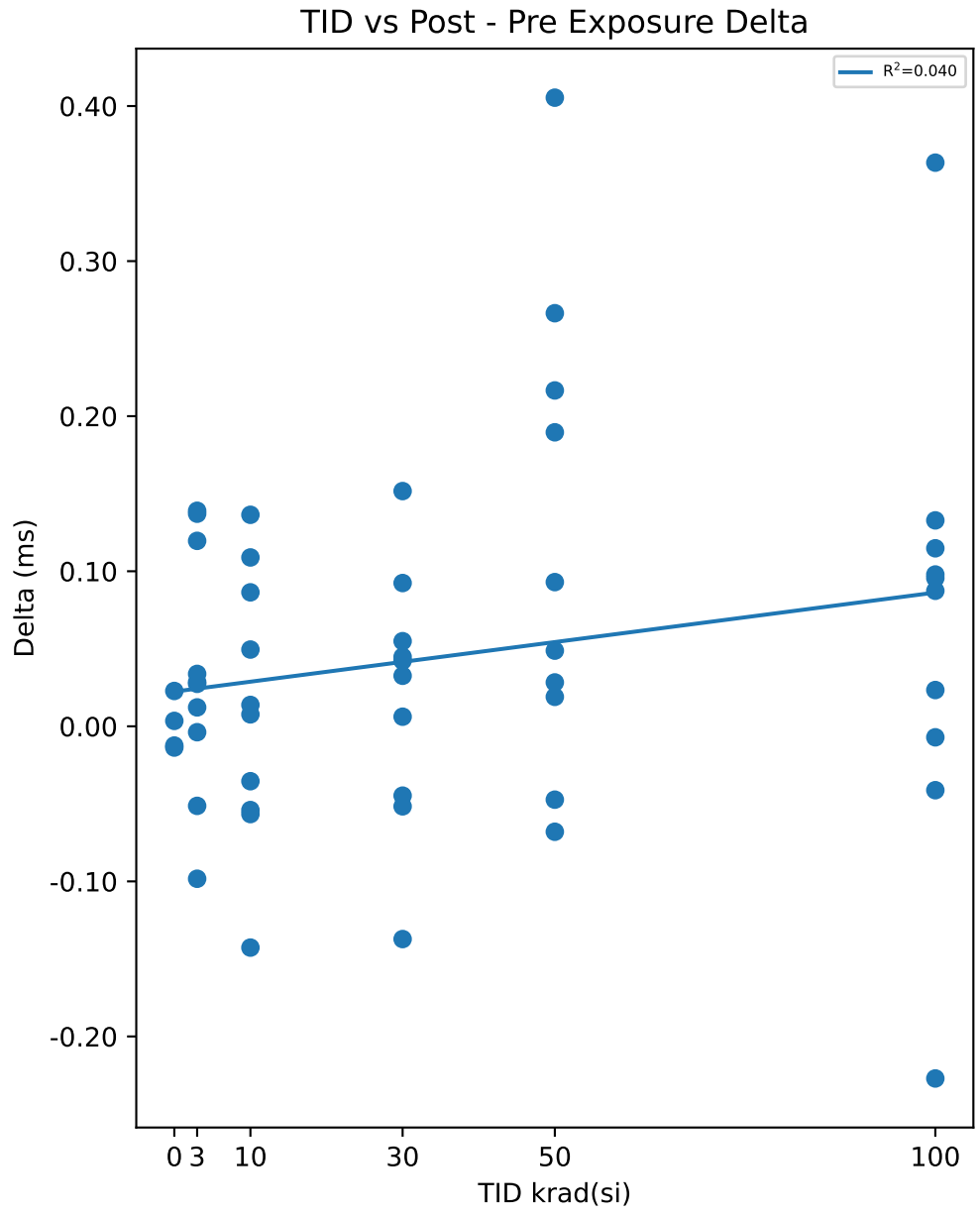
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.483	23.642	24.004	0.24517	23.484	23.637	24.009	0.25036	-0.028	-0.0056	0.0053	0.015158
3	23.329	23.62	24.191	0.29015	23.36	23.65	24.133	0.27661	-0.058	0.02992	0.174	0.071732
10	23.287	23.699	24.058	0.23091	23.342	23.72	24.194	0.2625	-0.1446	0.02141	0.1624	0.1075
30	23.351	23.728	23.98	0.23926	23.343	23.751	24.043	0.2733	-0.1351	0.02239	0.1533	0.082178
50	23.176	23.556	24.085	0.26869	23.225	23.651	24.114	0.29978	-0.2251	0.09497	0.3679	0.17612
100	23.414	23.865	24.263	0.31935	23.337	23.916	24.342	0.36493	-0.2216	0.0504	0.3646	0.1598

Device Test: 5.56; DLY_TMR_1MOHM

TID vs Result Stats



TID vs Post - Pre Exposure Delta



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

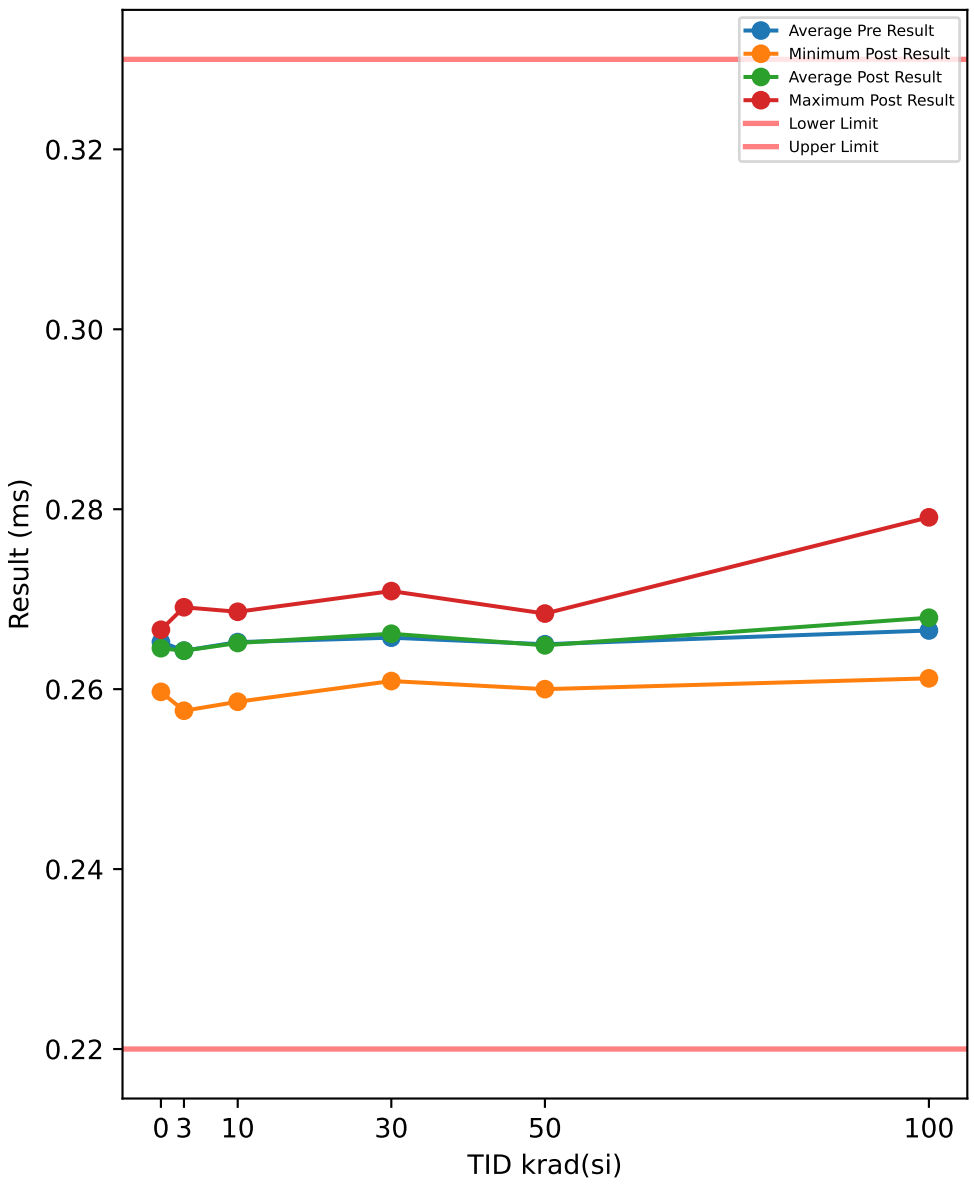
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.589	23.616	0.0274
3	3	Biased	23.54	23.574	0.0338
4	3	Biased	23.326	23.465	0.139
5	3	Biased	24.184	24.086	-0.0983
6	3	Biased	23.862	23.858	-0.0038
7	3	Unbiased	23.377	23.325	-0.0513
8	3	Unbiased	23.934	24.053	0.1196
9	3	Unbiased	23.379	23.516	0.1371
10	3	Unbiased	23.534	23.546	0.0122
11	3	Unbiased	23.604	23.632	0.0286
12	10	Unbiased	23.286	23.336	0.0495
13	10	Unbiased	23.474	23.488	0.0138
14	10	Unbiased	23.524	23.532	0.0077
15	10	Unbiased	24.056	24.193	0.1364
16	10	Unbiased	23.774	23.883	0.1089
17	10	Biased	23.908	23.994	0.0864
18	10	Biased	23.604	23.55	-0.054
19	10	Biased	23.637	23.581	-0.0566
20	10	Biased	23.768	23.625	-0.1427
21	10	Biased	23.892	23.857	-0.0354
22	30	Biased	23.848	23.854	0.0062
23	30	Biased	23.348	23.44	0.0924
24	30	Biased	23.374	23.323	-0.0516
25	30	Biased	23.666	23.698	0.0326
26	30	Biased	23.89	23.945	0.0549
27	30	Unbiased	23.887	24.039	0.1517
28	30	Unbiased	23.838	23.88	0.0423
29	30	Unbiased	23.486	23.349	-0.1372
30	30	Unbiased	23.977	23.932	-0.0447
31	30	Unbiased	23.922	23.967	0.0448
32	50	Biased	23.621	23.811	0.1896
33	50	Biased	23.559	23.825	0.2664
34	50	Biased	23.307	23.713	0.4054
35	50	Biased	23.452	23.669	0.2166
36	50	Biased	23.793	23.842	0.0488
37	50	Unbiased	23.175	23.268	0.093
39	50	Unbiased	23.69	23.622	-0.068
40	50	Unbiased	23.479	23.432	-0.0473
41	50	Unbiased	23.204	23.223	0.019
42	50	Unbiased	24.083	24.111	0.0283
43	100	Biased	23.839	23.937	0.0979
44	100	Biased	24.045	24.141	0.0956
45	100	Biased	24.177	24.292	0.1148
46	100	Biased	24.061	24.085	0.0234
47	100	Biased	24.26	24.218	-0.0412
48	100	Unbiased	23.9	24.264	0.3635
49	100	Unbiased	23.414	23.502	0.0874
50	100	Unbiased	23.434	23.427	-0.0071
51	100	Unbiased	23.456	23.589	0.1328
52	100	Unbiased	24.041	23.814	-0.2271
53	0	Correlation	23.97	23.993	0.0228
54	0	Correlation	23.481	23.467	-0.0137
55	0	Correlation	23.499	23.486	-0.0124
56	0	Correlation	23.579	23.583	0.0035

Test Statistics (ms)

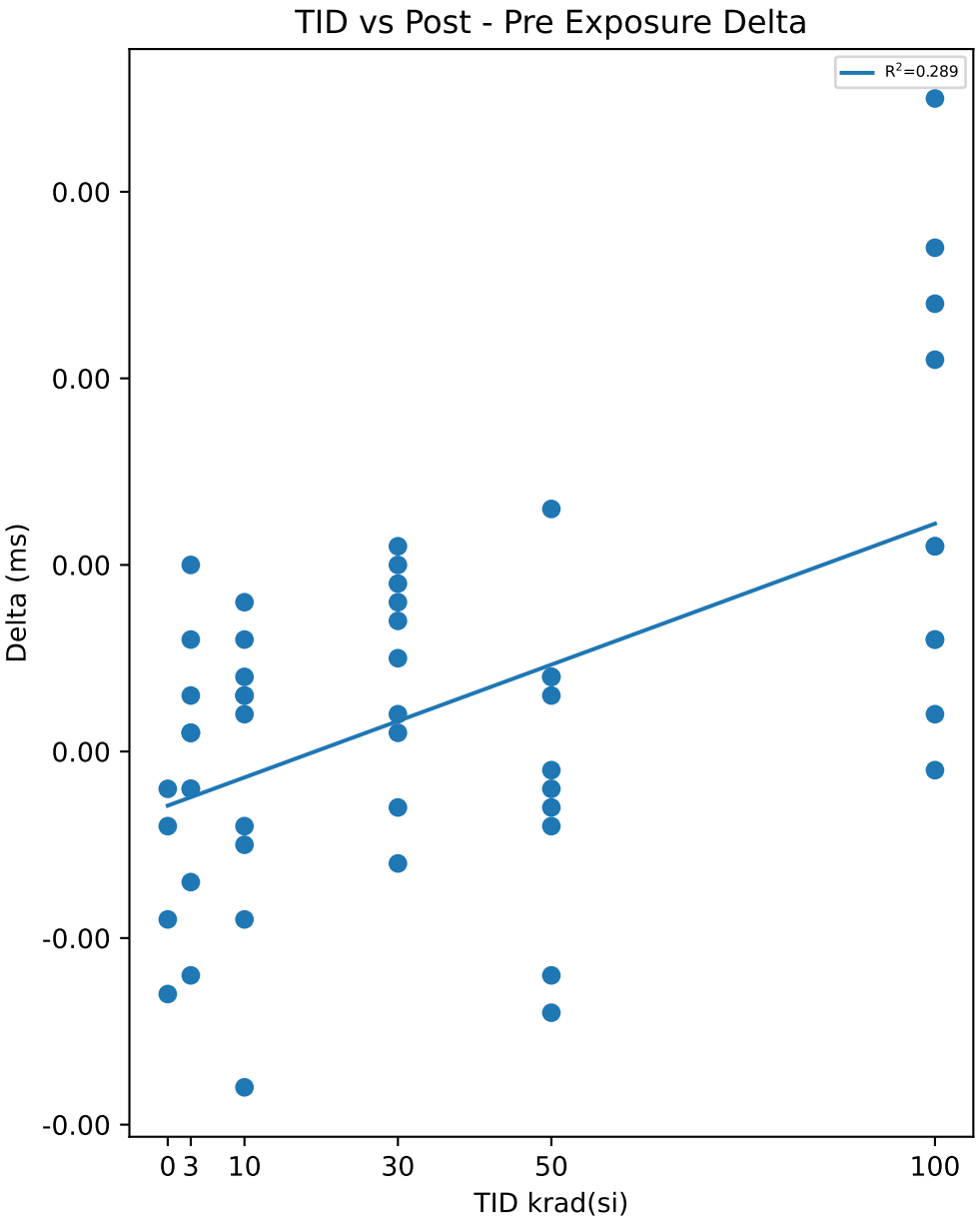
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.481	23.632	23.97	0.22934	23.467	23.632	23.993	0.24574	-0.0137	5e-05	0.0228	0.017064
3	23.326	23.633	24.184	0.27735	23.325	23.667	24.086	0.25134	-0.0983	0.03443	0.139	0.078695
10	23.286	23.692	24.056	0.23169	23.336	23.704	24.193	0.26577	-0.1427	0.0114	0.1364	0.086323
30	23.348	23.724	23.977	0.23801	23.323	23.743	24.039	0.27318	-0.1372	0.01914	0.1517	0.081161
50	23.175	23.536	24.083	0.27897	23.223	23.651	24.111	0.27642	-0.068	0.11518	0.4054	0.15077
100	23.414	23.863	24.26	0.31862	23.427	23.927	24.292	0.32676	-0.2271	0.064	0.3635	0.1499

Device Test: 5.57; DLY_TMR_10KOHM

TID vs Result Stats



TID vs Post - Pre Exposure Delta



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

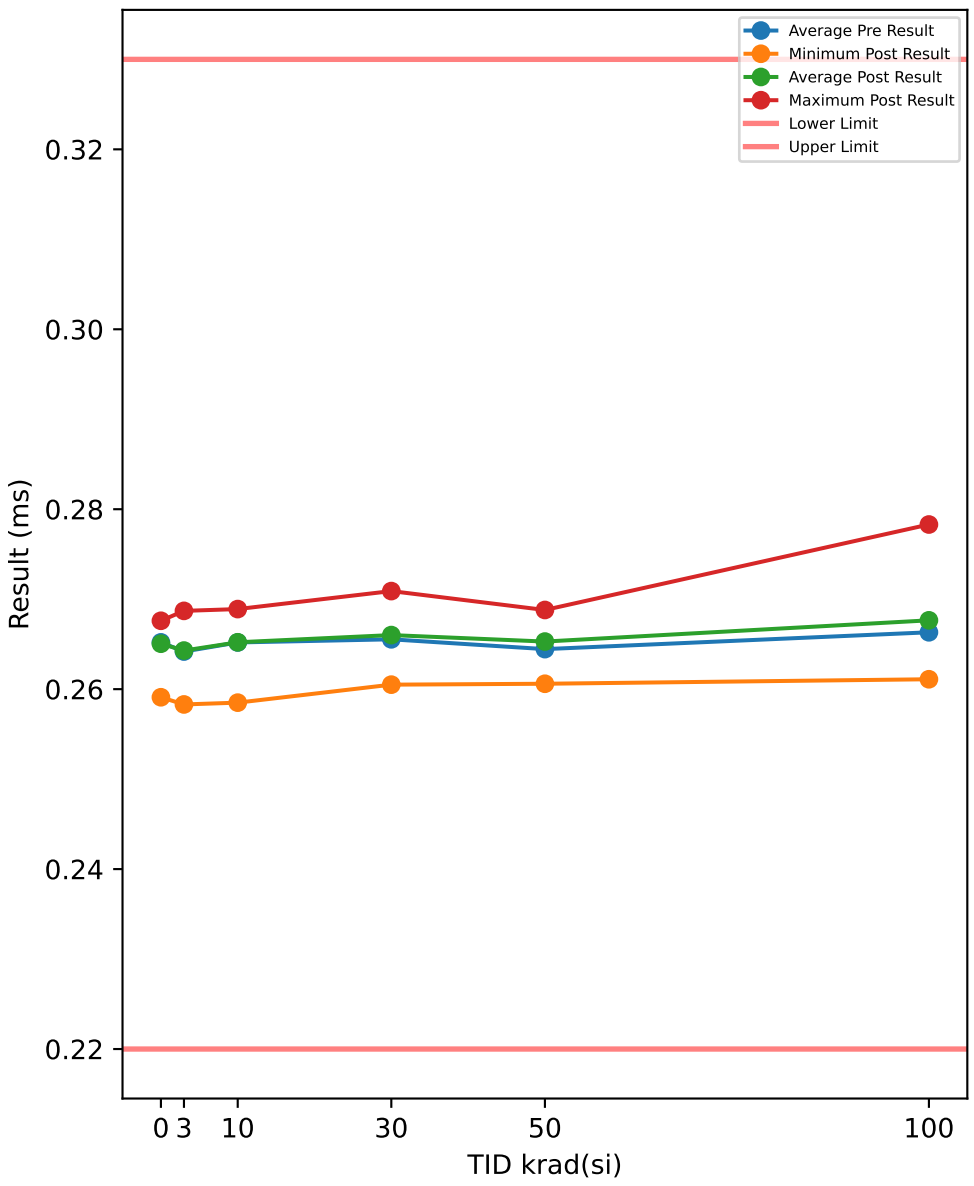
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2615	0.2608	-0.0007
3	3	Biased	0.2578	0.2576	-0.0002
4	3	Biased	0.2589	0.259	0.0001
5	3	Biased	0.2681	0.2691	0.001
6	3	Biased	0.2678	0.2666	-0.0012
7	3	Unbiased	0.2681	0.2679	-0.0002
8	3	Unbiased	0.2686	0.2689	0.0003
9	3	Unbiased	0.2659	0.266	0.0001
10	3	Unbiased	0.2674	0.2675	0.0001
11	3	Unbiased	0.2587	0.2593	0.0006
12	10	Unbiased	0.2664	0.266	-0.0004
13	10	Unbiased	0.2608	0.2611	0.0003
14	10	Unbiased	0.2605	0.2608	0.0003
15	10	Unbiased	0.2681	0.2672	-0.0009
16	10	Unbiased	0.2673	0.2668	-0.0005
17	10	Biased	0.2678	0.2684	0.0006
18	10	Biased	0.2673	0.2675	0.0002
19	10	Biased	0.2604	0.2586	-0.0018
20	10	Biased	0.2659	0.2663	0.0004
21	10	Biased	0.2678	0.2686	0.0008
22	30	Biased	0.2603	0.2612	0.0009
23	30	Biased	0.2669	0.2679	0.001
24	30	Biased	0.2613	0.2614	0.0001
25	30	Biased	0.2666	0.2668	0.0002
26	30	Biased	0.2702	0.2709	0.0007
27	30	Unbiased	0.2612	0.2609	-0.0003
28	30	Unbiased	0.2682	0.2676	-0.0006
29	30	Unbiased	0.2689	0.2694	0.0005
30	30	Unbiased	0.2665	0.2676	0.0011
31	30	Unbiased	0.2671	0.2679	0.0008
32	50	Biased	0.2612	0.261	-0.0002
33	50	Biased	0.2671	0.2668	-0.0003
34	50	Biased	0.2587	0.26	0.0013
35	50	Biased	0.2625	0.2624	-0.0001
36	50	Biased	0.2606	0.2609	0.0003
37	50	Unbiased	0.2675	0.2661	-0.0014
39	50	Unbiased	0.268	0.2684	0.0004
40	50	Unbiased	0.2676	0.268	0.0004
41	50	Unbiased	0.2686	0.2682	-0.0004
42	50	Unbiased	0.2681	0.2669	-0.0012
43	100	Biased	0.2613	0.2612	-0.0001
44	100	Biased	0.2767	0.2791	0.0024
45	100	Biased	0.267	0.2705	0.0035
46	100	Biased	0.2621	0.2642	0.0021
47	100	Biased	0.2685	0.2687	0.0002
48	100	Unbiased	0.2667	0.2694	0.0027
49	100	Unbiased	0.2653	0.2664	0.0011
50	100	Unbiased	0.2608	0.2614	0.0006
51	100	Unbiased	0.2672	0.2683	0.0011
52	100	Unbiased	0.2696	0.2702	0.0006
53	0	Correlation	0.2667	0.2654	-0.0013
54	0	Correlation	0.2675	0.2666	-0.0009
55	0	Correlation	0.2669	0.2665	-0.0004
56	0	Correlation	0.2599	0.2597	-0.0002

Test Statistics (ms)

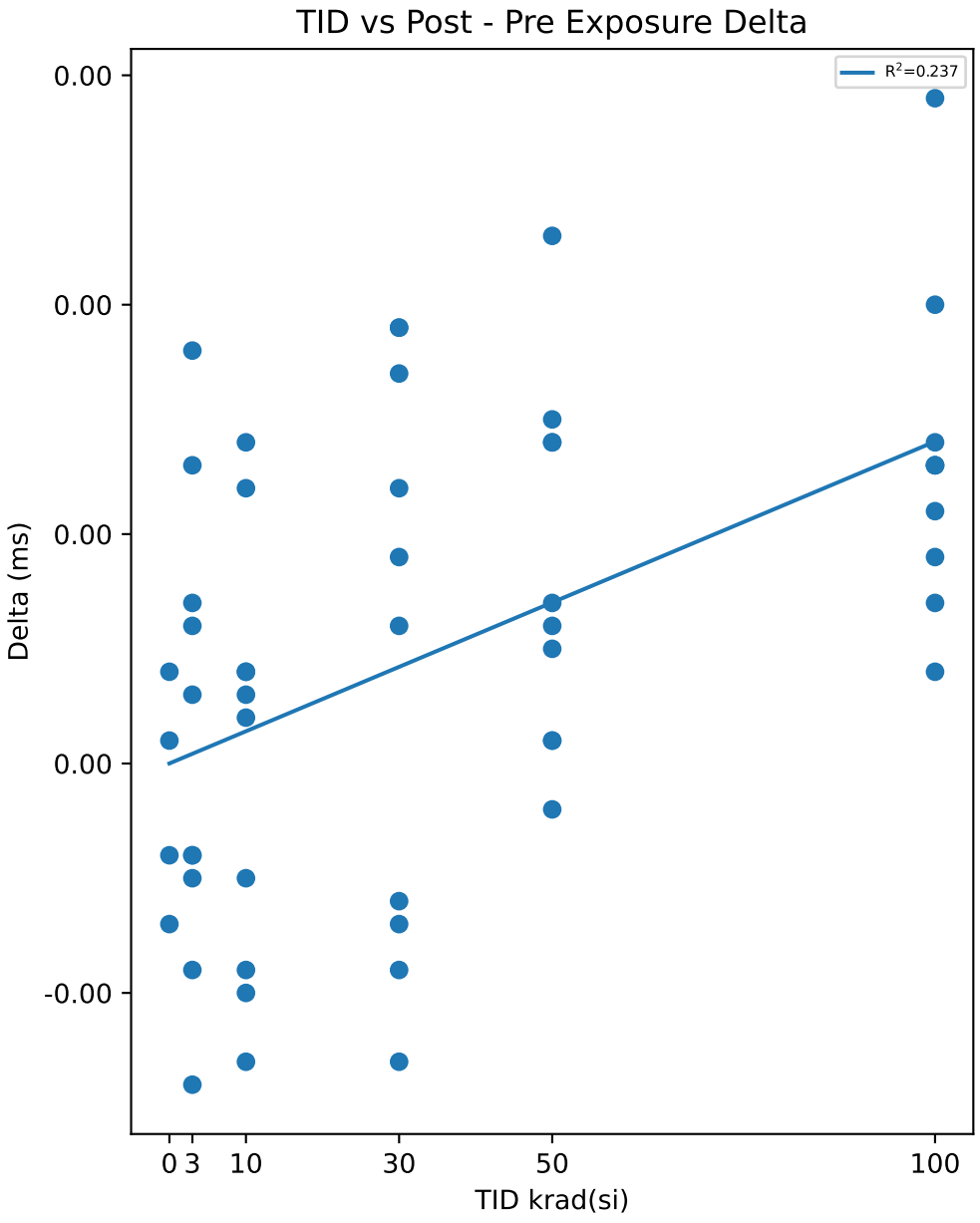
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2599	0.26525	0.2675	0.0035828	0.2597	0.26455	0.2666	0.0032787	-0.0013	-0.0007	-0.0002	0.00049666
3	0.2578	0.26428	0.2686	0.0045018	0.2576	0.26427	0.2691	0.0045436	-0.0012	-1e-05	0.001	0.00062263
10	0.2604	0.26523	0.2681	0.0032857	0.2586	0.26513	0.2686	0.0035774	-0.0018	-0.0001	0.0008	0.00079861
30	0.2603	0.26572	0.2702	0.0035017	0.2609	0.26616	0.2709	0.0036287	-0.0006	0.00044	0.0011	0.00057388
50	0.2587	0.26499	0.2686	0.003782	0.26	0.26487	0.2684	0.0033872	-0.0014	-0.00012	0.0013	0.00079274
100	0.2608	0.26652	0.2767	0.0046994	0.2612	0.26794	0.2791	0.0052026	-0.0001	0.00142	0.0035	0.0011896

Device Test: 5.58; DLY_TMR_10KOHM

TID vs Result Stats



TID vs Post - Pre Exposure Delta



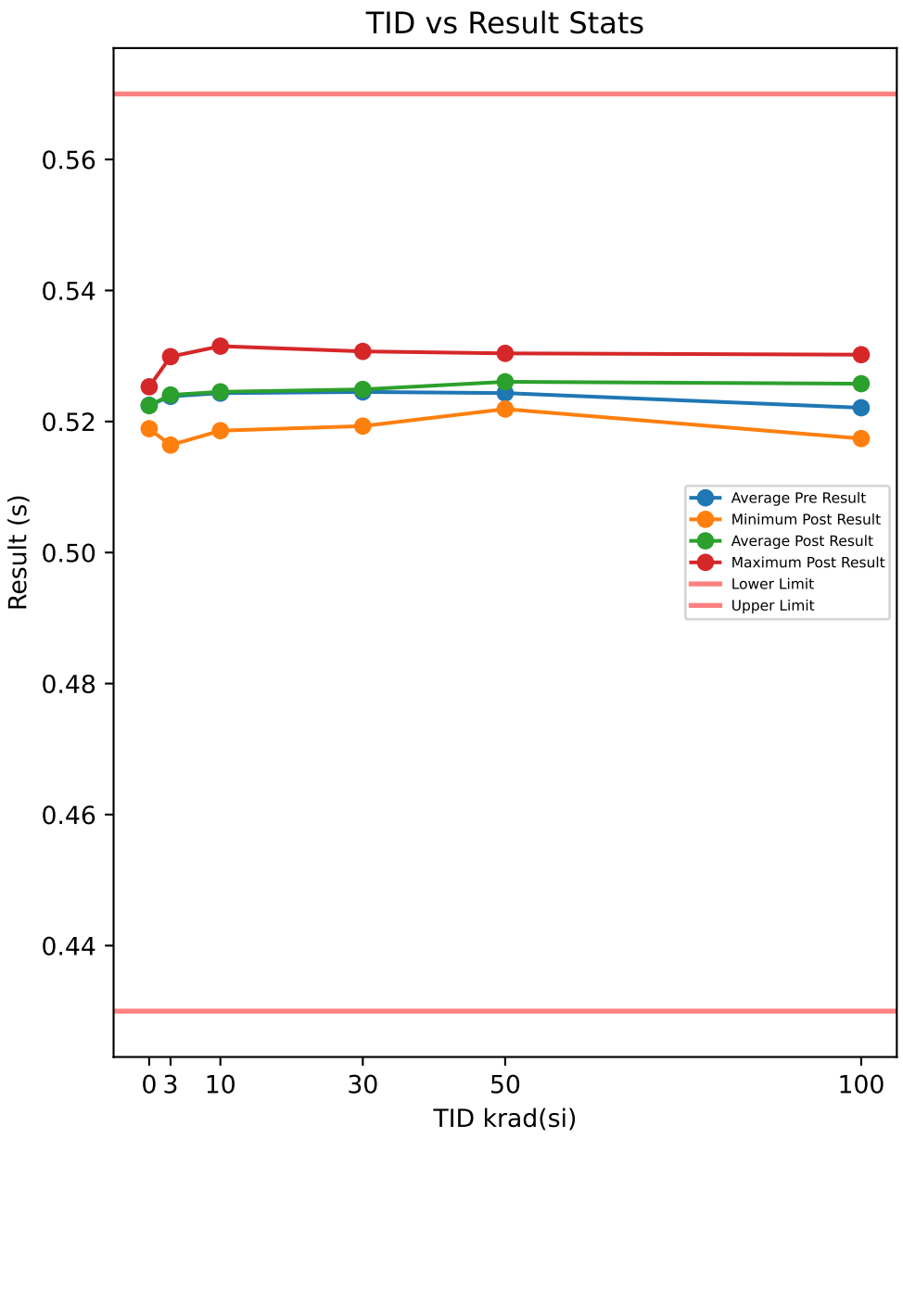
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

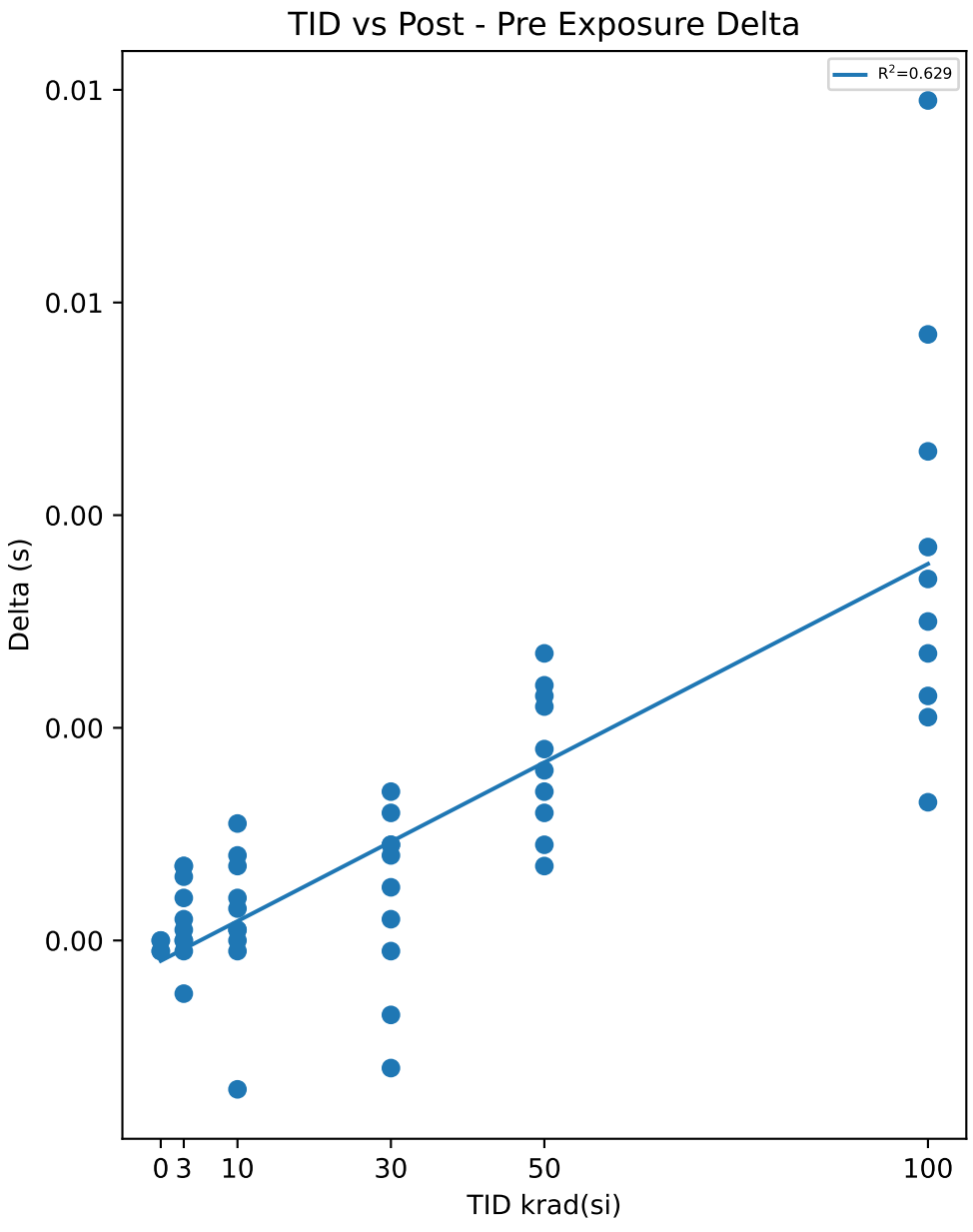
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.26	0.2603	0.0003
3	3	Biased	0.2594	0.259	-0.0004
4	3	Biased	0.2584	0.259	0.0006
5	3	Biased	0.268	0.2687	0.0007
6	3	Biased	0.2663	0.2676	0.0013
7	3	Unbiased	0.2687	0.2683	-0.0004
8	3	Unbiased	0.2686	0.2681	-0.0005
9	3	Unbiased	0.2657	0.2675	0.0018
10	3	Unbiased	0.267	0.2661	-0.0009
11	3	Unbiased	0.2597	0.2583	-0.0014
12	10	Unbiased	0.2671	0.2658	-0.0013
13	10	Unbiased	0.2612	0.2602	-0.001
14	10	Unbiased	0.2613	0.2617	0.0004
15	10	Unbiased	0.2673	0.2685	0.0012
16	10	Unbiased	0.2668	0.2672	0.0004
17	10	Biased	0.2675	0.2689	0.0014
18	10	Biased	0.2666	0.2669	0.0003
19	10	Biased	0.259	0.2585	-0.0005
20	10	Biased	0.266	0.2662	0.0002
21	10	Biased	0.2691	0.2682	-0.0009
22	30	Biased	0.2605	0.2617	0.0012
23	30	Biased	0.2669	0.2675	0.0006
24	30	Biased	0.2596	0.2605	0.0009
25	30	Biased	0.2677	0.2671	-0.0006
26	30	Biased	0.2692	0.2709	0.0017
27	30	Unbiased	0.2615	0.2606	-0.0009
28	30	Unbiased	0.2681	0.2674	-0.0007
29	30	Unbiased	0.2674	0.2693	0.0019
30	30	Unbiased	0.268	0.2667	-0.0013
31	30	Unbiased	0.2665	0.2684	0.0019
32	50	Biased	0.2602	0.2616	0.0014
33	50	Biased	0.2665	0.2666	0.0001
34	50	Biased	0.2585	0.2608	0.0023
35	50	Biased	0.2625	0.2639	0.0014
36	50	Biased	0.2608	0.2606	-0.0002
37	50	Unbiased	0.2659	0.2674	0.0015
39	50	Unbiased	0.2678	0.2679	0.0001
40	50	Unbiased	0.2666	0.2672	0.0006
41	50	Unbiased	0.2681	0.2688	0.0007
42	50	Unbiased	0.2676	0.2681	0.0005
43	100	Biased	0.26	0.2611	0.0011
44	100	Biased	0.2763	0.2783	0.002
45	100	Biased	0.2685	0.2692	0.0007
46	100	Biased	0.2612	0.2625	0.0013
47	100	Biased	0.2682	0.2696	0.0014
48	100	Unbiased	0.2667	0.2696	0.0029
49	100	Unbiased	0.2667	0.2671	0.0004
50	100	Unbiased	0.2605	0.2618	0.0013
51	100	Unbiased	0.2668	0.2681	0.0013
52	100	Unbiased	0.2683	0.2692	0.0009
53	0	Correlation	0.2664	0.266	-0.0004
54	0	Correlation	0.2675	0.2676	0.0001
55	0	Correlation	0.2671	0.2675	0.0004
56	0	Correlation	0.2598	0.2591	-0.0007

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	0.2598	0.2652	0.2675	0.0036286	0.2591	0.26505	0.2676	0.0040336	-0.0007	-0.00015	0.0004	0.00049329
3	0.2584	0.26418	0.2687	0.0042572	0.2583	0.26429	0.2687	0.0045012	-0.0014	0.00011	0.0018	0.0010049
10	0.259	0.26519	0.2691	0.0033884	0.2585	0.26521	0.2689	0.0037114	-0.0013	2e-05	0.0014	0.00091869
30	0.2596	0.26554	0.2692	0.0035575	0.2605	0.26601	0.2709	0.0037189	-0.0013	0.00047	0.0019	0.001241
50	0.2585	0.26445	0.2681	0.0035899	0.2606	0.26529	0.2688	0.0032412	-0.0002	0.00084	0.0023	0.00078627
100	0.26	0.26632	0.2763	0.0048575	0.2611	0.26765	0.2783	0.0050551	0.0004	0.00133	0.0029	0.00070087

Device Test: 5.59; WD_TMR_10KOHM





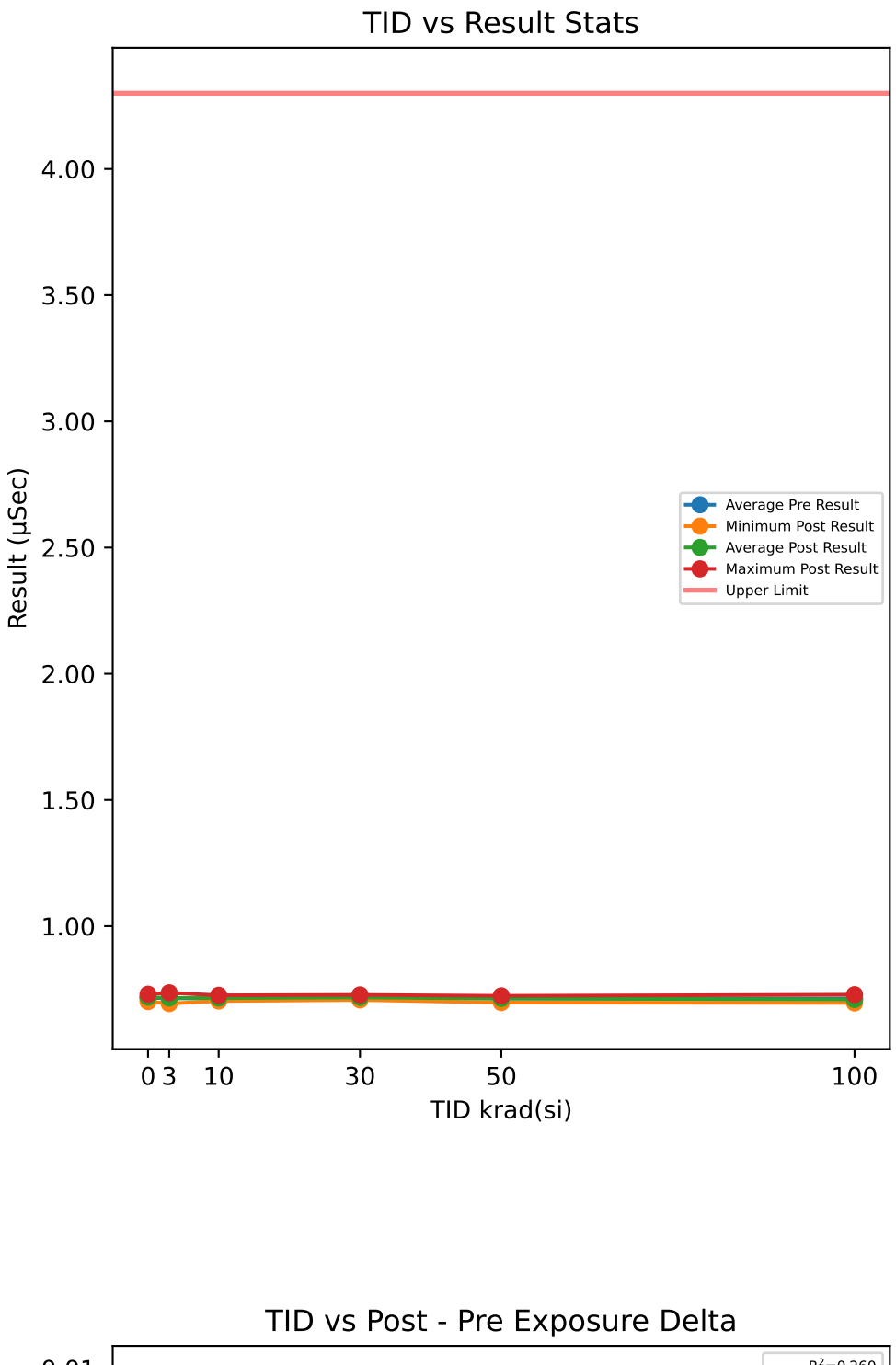
Test Results (Lower Limit = 0.43, Upper Limit = 0.57 (s))

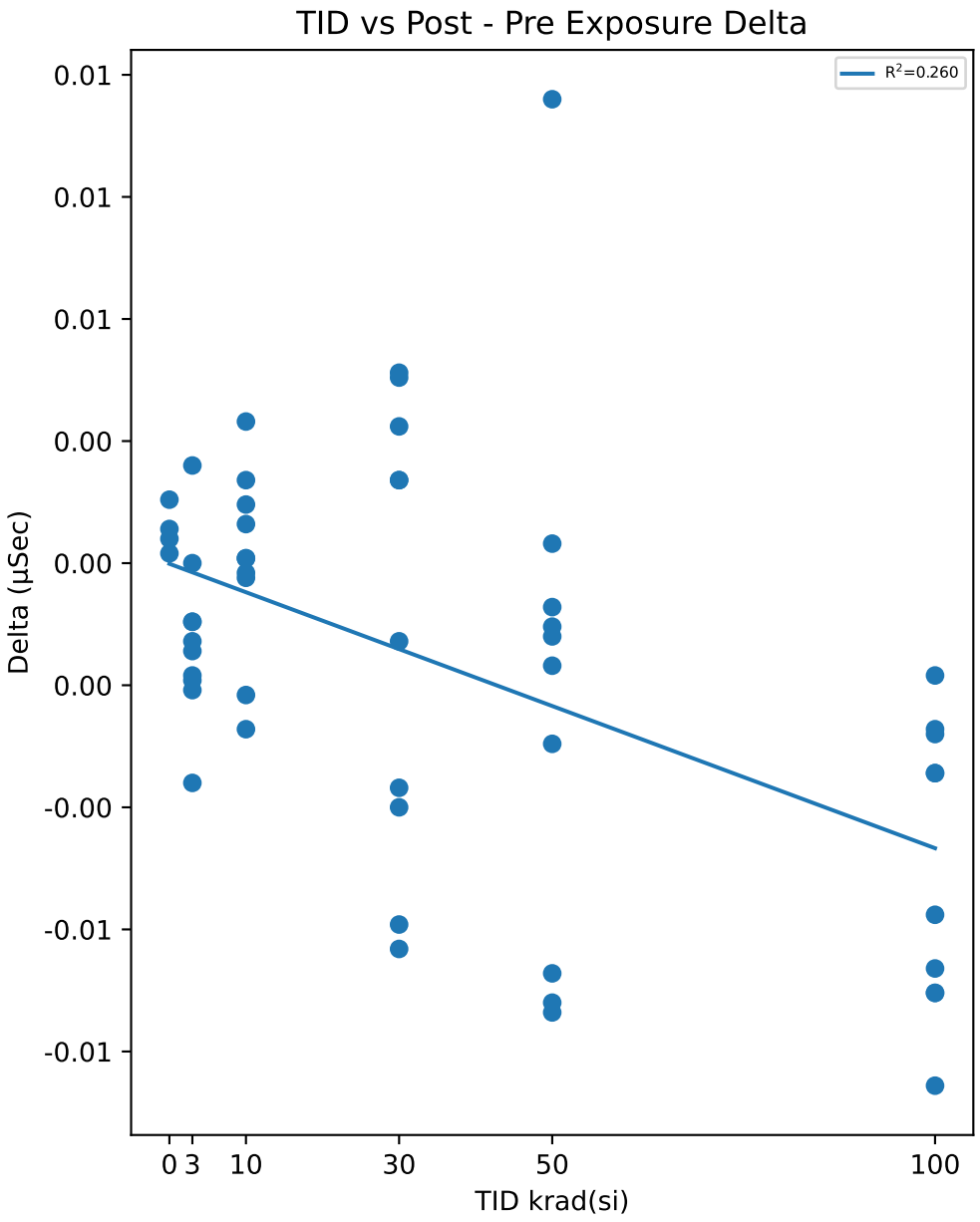
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.5242	0.5246	0.0004
3	3	Biased	0.5242	0.5242	0
4	3	Biased	0.526	0.526	0
5	3	Biased	0.5157	0.5164	0.0007
6	3	Biased	0.5292	0.5299	0.0007
7	3	Unbiased	0.5221	0.5216	-0.0005
8	3	Unbiased	0.5203	0.5209	0.0006
9	3	Unbiased	0.5265	0.5267	0.0002
10	3	Unbiased	0.5248	0.5247	-0.0001
11	3	Unbiased	0.5254	0.5255	0.0001
12	10	Unbiased	0.5245	0.5231	-0.0014
13	10	Unbiased	0.5315	0.5315	0
14	10	Unbiased	0.5233	0.5241	0.0008
15	10	Unbiased	0.5202	0.5203	0.0001
16	10	Unbiased	0.5212	0.5219	0.0007
17	10	Biased	0.5258	0.5269	0.0011
18	10	Biased	0.5182	0.5186	0.0004
19	10	Biased	0.5275	0.5276	0.0001
20	10	Biased	0.5229	0.5228	-0.0001
21	10	Biased	0.5282	0.5285	0.0003
22	30	Biased	0.5201	0.5203	0.0002
23	30	Biased	0.5194	0.5193	-0.0001
24	30	Biased	0.5316	0.5304	-0.0012
25	30	Biased	0.5215	0.5223	0.0008
26	30	Biased	0.527	0.5275	0.0005
27	30	Unbiased	0.526	0.5269	0.0009
28	30	Unbiased	0.5298	0.5307	0.0009
29	30	Unbiased	0.5217	0.5231	0.0014
30	30	Unbiased	0.5239	0.5251	0.0012
31	30	Unbiased	0.5241	0.5234	-0.0007
32	50	Biased	0.521	0.5232	0.0022
33	50	Biased	0.5205	0.5219	0.0014
34	50	Biased	0.5226	0.5242	0.0016
35	50	Biased	0.5245	0.5263	0.0018
36	50	Biased	0.5273	0.5285	0.0012
37	50	Unbiased	0.5252	0.5279	0.0027
39	50	Unbiased	0.5231	0.524	0.0009
40	50	Unbiased	0.5252	0.5259	0.0007
41	50	Unbiased	0.5281	0.5304	0.0023
42	50	Unbiased	0.5259	0.5283	0.0024
43	100	Biased	0.518	0.5237	0.0057
44	100	Biased	0.5259	0.5272	0.0013
45	100	Biased	0.5256	0.5302	0.0046
46	100	Biased	0.5195	0.5216	0.0021
47	100	Biased	0.5245	0.5279	0.0034
48	100	Unbiased	0.5242	0.5269	0.0027
49	100	Unbiased	0.5248	0.5278	0.003
50	100	Unbiased	0.522	0.5257	0.0037
51	100	Unbiased	0.5214	0.5293	0.0079
52	100	Unbiased	0.5151	0.5174	0.0023
53	0	Correlation	0.5254	0.5253	-0.0001
54	0	Correlation	0.5189	0.5189	0
55	0	Correlation	0.521	0.5209	-0.0001
56	0	Correlation	0.5246	0.5246	0

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	0.5189	0.52248	0.5254	0.0030566	0.5189	0.52243	0.5253	0.0030412	-0.0001	-5e-05	0	5.7735e-05
3	0.5157	0.52384	0.5292	0.0037402	0.5164	0.52405	0.5299	0.003687	-0.0005	0.00021	0.0007	0.00039001
10	0.5182	0.52433	0.5315	0.0040299	0.5186	0.52453	0.5315	0.0040081	-0.0014	0.0002	0.0011	0.0006815
30	0.5194	0.52451	0.5316	0.0040788	0.5193	0.5249	0.5307	0.0039364	-0.0012	0.00039	0.0014	0.00084123
50	0.5205	0.52434	0.5281	0.0025233	0.5219	0.52606	0.5304	0.0027175	0.0007	0.00172	0.0027	0.00067462
100	0.5151	0.5221	0.5259	0.0036089	0.5174	0.52577	0.5302	0.0038845	0.0013	0.00367	0.0079	0.0019522

Device Test: 5.6; PROPD_RESET





Test Results (Upper Limit = 4.3 (µSec))

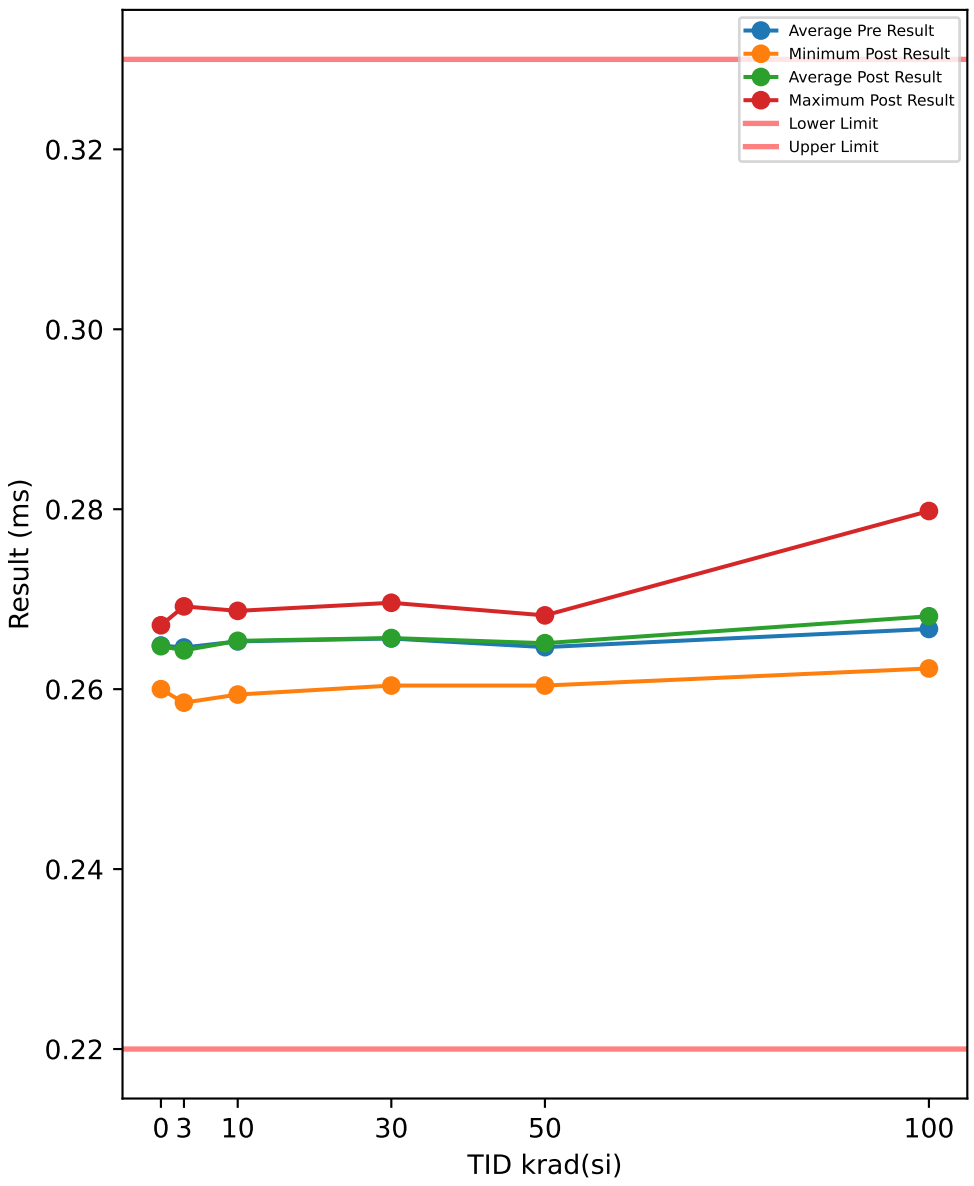
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7214	0.7194	-0.002
3	3	Biased	0.7016	0.7023	0.0007
4	3	Biased	0.7285	0.7298	0.0013
5	3	Biased	0.7128	0.7127	-0.0001
6	3	Biased	0.7053	0.7066	0.0013
7	3	Unbiased	0.7317	0.7318	0.0001
8	3	Unbiased	0.7125	0.7134	0.0009
9	3	Unbiased	0.7108	0.711	0.0002
10	3	Unbiased	0.7315	0.736	0.0045
11	3	Unbiased	0.6911	0.6936	0.0025
12	10	Unbiased	0.7159	0.7213	0.0054
13	10	Unbiased	0.7172	0.7214	0.0042
14	10	Unbiased	0.7235	0.7233	-0.0002
15	10	Unbiased	0.7192	0.7218	0.0026
16	10	Unbiased	0.7076	0.7067	-0.0009
17	10	Biased	0.7042	0.7068	0.0026
18	10	Biased	0.7004	0.7037	0.0033
19	10	Biased	0.724	0.7262	0.0022
20	10	Biased	0.7035	0.7058	0.0023
21	10	Biased	0.7134	0.7171	0.0037
22	30	Biased	0.7133	0.7079	-0.0054
23	30	Biased	0.7189	0.7231	0.0042
24	30	Biased	0.7146	0.721	0.0064
25	30	Biased	0.7104	0.7113	0.0009
26	30	Biased	0.7103	0.7145	0.0042
27	30	Unbiased	0.7215	0.7278	0.0063
28	30	Unbiased	0.7188	0.7167	-0.0021
29	30	Unbiased	0.7228	0.7203	-0.0025
30	30	Unbiased	0.7244	0.7195	-0.0049
31	30	Unbiased	0.7141	0.7194	0.0053
32	50	Biased	0.7175	0.7108	-0.0067
33	50	Biased	0.7121	0.7241	0.012
34	50	Biased	0.7196	0.72	0.0004
35	50	Biased	0.7042	0.703	-0.0012
36	50	Biased	0.7089	0.7101	0.0012
37	50	Unbiased	0.7108	0.7124	0.0016
39	50	Unbiased	0.7186	0.7196	0.001
40	50	Unbiased	0.7174	0.7203	0.0029
41	50	Unbiased	0.725	0.7191	-0.0059
42	50	Unbiased	0.704	0.6975	-0.0065
43	100	Biased	0.7148	0.709	-0.0058
44	100	Biased	0.7043	0.6961	-0.0082
45	100	Biased	0.7071	0.7008	-0.0063
46	100	Biased	0.7277	0.7259	-0.0018
47	100	Biased	0.7151	0.7142	-0.0009
48	100	Unbiased	0.7114	0.7051	-0.0063
49	100	Unbiased	0.7049	0.7051	0.0002
50	100	Unbiased	0.717	0.7123	-0.0047
51	100	Unbiased	0.7	0.6982	-0.0018
52	100	Unbiased	0.7296	0.7286	-0.001
53	0	Correlation	0.7164	0.7191	0.0027
54	0	Correlation	0.7266	0.7304	0.0038
55	0	Correlation	0.7221	0.7251	0.003
56	0	Correlation	0.6983	0.7015	0.0032

Test Statistics (µSec)

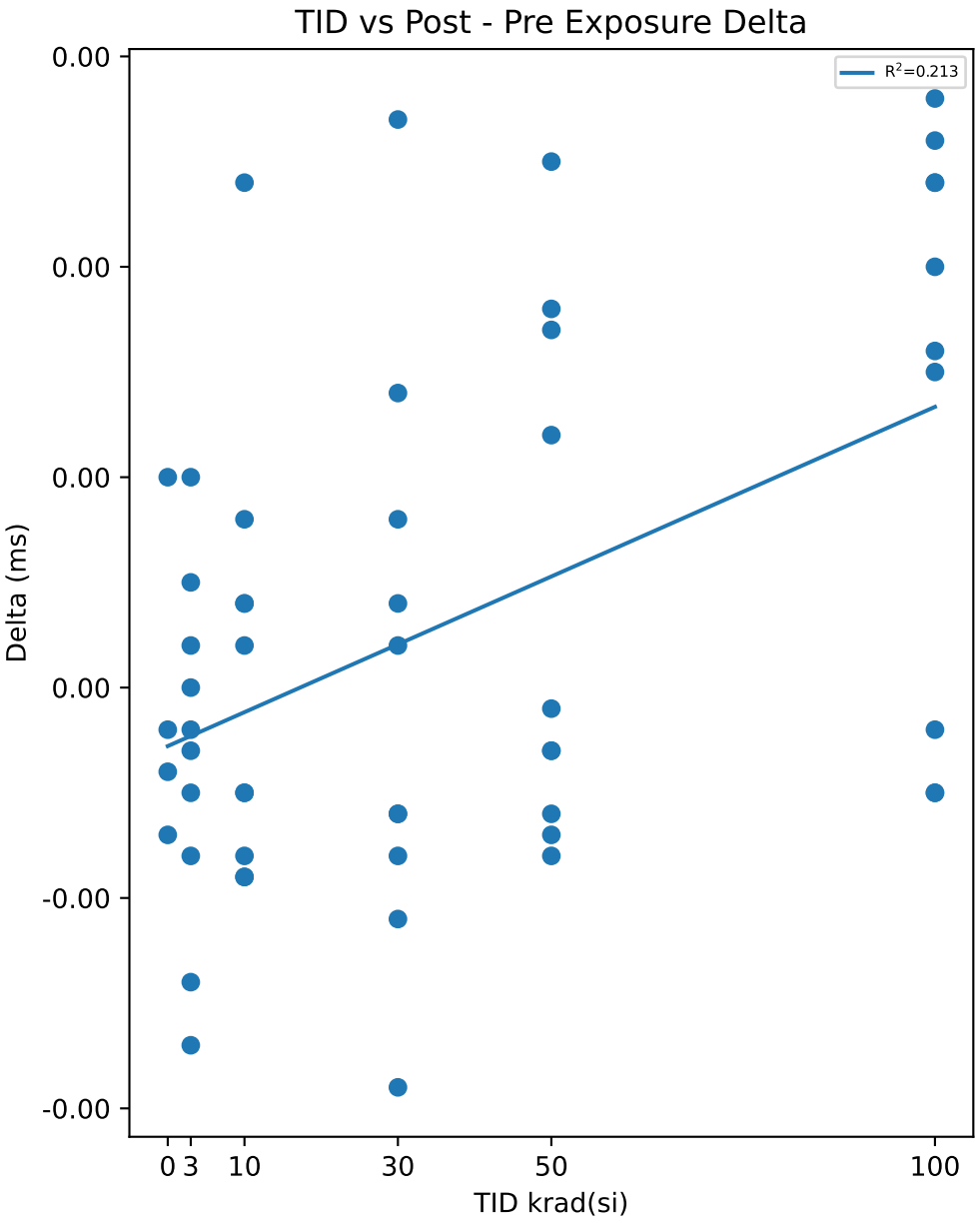
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6983	0.71585	0.7266	0.012422	0.7015	0.71903	0.7304	0.012562	0.0027	0.003175	0.0038	0.00046458
3	0.6911	0.71472	0.7317	0.013528	0.6936	0.71566	0.736	0.013626	-0.002	0.00094	0.0045	0.0017128
10	0.7004	0.71289	0.724	0.0085074	0.7037	0.71541	0.7262	0.0086436	-0.0009	0.00252	0.0054	0.0018967
30	0.7103	0.71691	0.7244	0.0050742	0.7079	0.71815	0.7278	0.0057847	-0.0054	0.00124	0.0064	0.0046342
50	0.704	0.71381	0.725	0.0069352	0.6975	0.71369	0.7241	0.0085334	-0.0067	-0.00012	0.012	0.0055859
100	0.7	0.71319	0.7296	0.0097901	0.6961	0.70953	0.7286	0.010983	-0.0082	-0.00366	0.0002	0.0029197

Device Test: 5.60; DLY_TMR_10KOHM

TID vs Result Stats



TID vs Post - Pre Exposure Delta



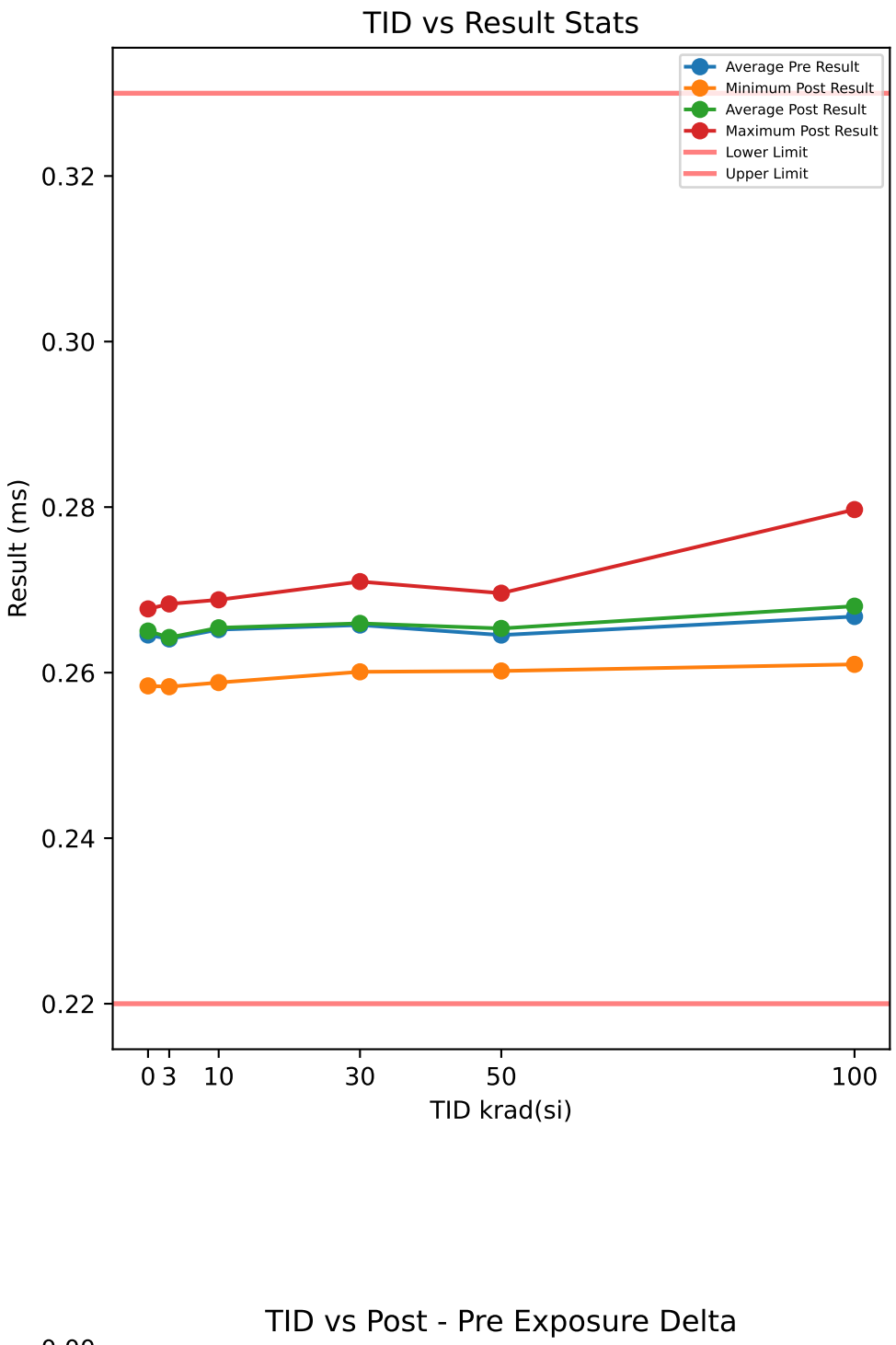
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

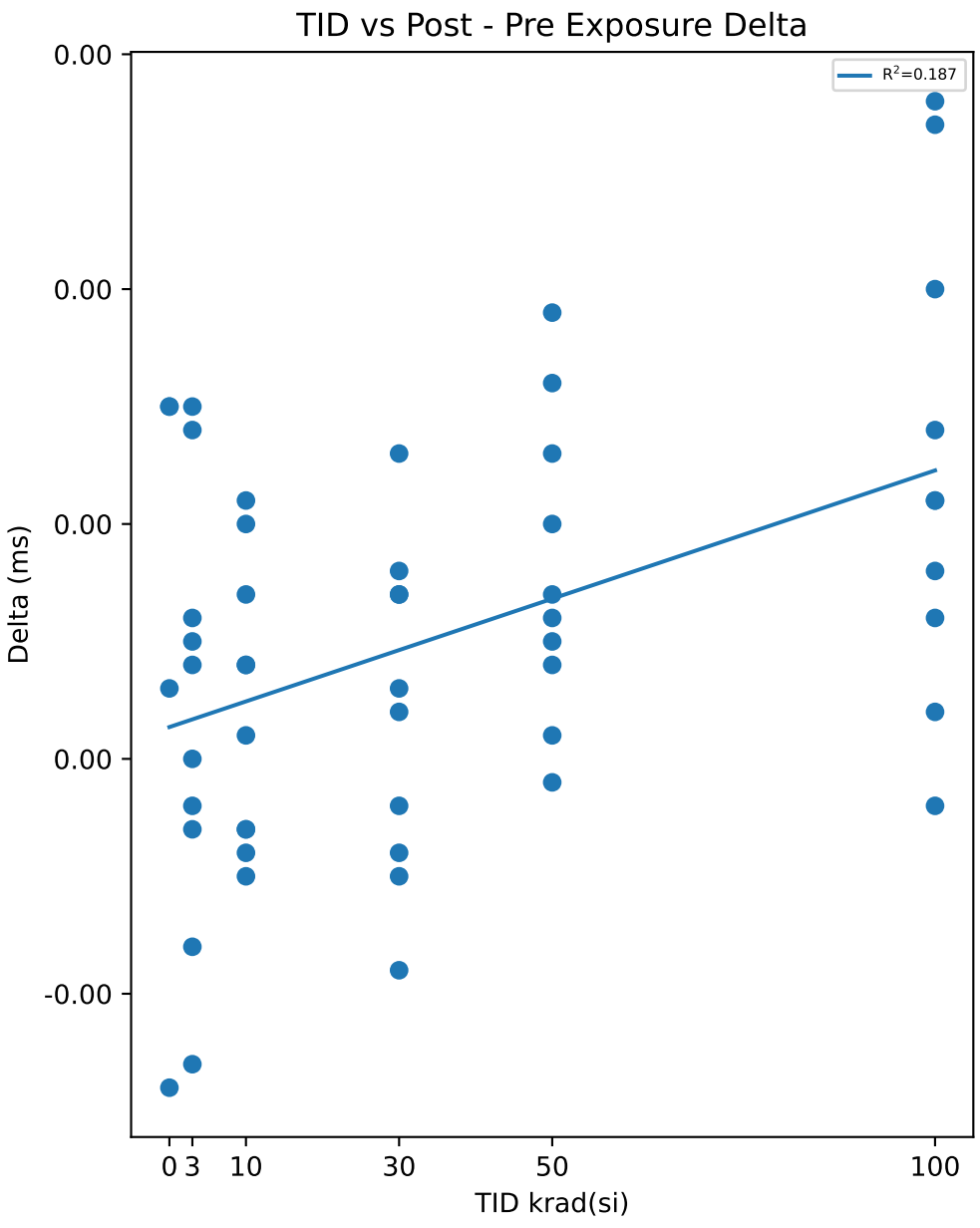
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2611	0.2613	0.0002
3	3	Biased	0.2587	0.2585	-0.0002
4	3	Biased	0.2593	0.2593	0
5	3	Biased	0.2682	0.2692	0.001
6	3	Biased	0.2681	0.2664	-0.0017
7	3	Unbiased	0.2675	0.2672	-0.0003
8	3	Unbiased	0.2689	0.2675	-0.0014
9	3	Unbiased	0.2672	0.2677	0.0005
10	3	Unbiased	0.2678	0.2673	-0.0005
11	3	Unbiased	0.2595	0.2587	-0.0008
12	10	Unbiased	0.2652	0.2676	0.0024
13	10	Unbiased	0.2612	0.2607	-0.0005
14	10	Unbiased	0.2605	0.2609	0.0004
15	10	Unbiased	0.2679	0.2687	0.0008
16	10	Unbiased	0.2675	0.267	-0.0005
17	10	Biased	0.2674	0.2678	0.0004
18	10	Biased	0.2682	0.2673	-0.0009
19	10	Biased	0.2602	0.2594	-0.0008
20	10	Biased	0.2661	0.2663	0.0002
21	10	Biased	0.2689	0.268	-0.0009
22	30	Biased	0.2614	0.2608	-0.0006
23	30	Biased	0.2676	0.2665	-0.0011
24	30	Biased	0.261	0.2604	-0.0006
25	30	Biased	0.2664	0.2668	0.0004
26	30	Biased	0.2688	0.2696	0.0008
27	30	Unbiased	0.2597	0.2624	0.0027
28	30	Unbiased	0.2667	0.2681	0.0014
29	30	Unbiased	0.2691	0.2683	-0.0008
30	30	Unbiased	0.2684	0.2665	-0.0019
31	30	Unbiased	0.2672	0.2674	0.0002
32	50	Biased	0.261	0.2604	-0.0006
33	50	Biased	0.2664	0.2682	0.0018
34	50	Biased	0.26	0.2612	0.0012
35	50	Biased	0.2613	0.2638	0.0025
36	50	Biased	0.2601	0.2618	0.0017
37	50	Unbiased	0.266	0.2659	-0.0001
39	50	Unbiased	0.2685	0.2682	-0.0003
40	50	Unbiased	0.268	0.2673	-0.0007
41	50	Unbiased	0.2681	0.2673	-0.0008
42	50	Unbiased	0.2673	0.267	-0.0003
43	100	Biased	0.2597	0.2623	0.0026
44	100	Biased	0.2782	0.2798	0.0016
45	100	Biased	0.267	0.2698	0.0028
46	100	Biased	0.2618	0.2638	0.002
47	100	Biased	0.2694	0.2692	-0.0002
48	100	Unbiased	0.2672	0.2696	0.0024
49	100	Unbiased	0.2662	0.2677	0.0015
50	100	Unbiased	0.2599	0.2623	0.0024
51	100	Unbiased	0.2676	0.2671	-0.0005
52	100	Unbiased	0.2699	0.2694	-0.0005
53	0	Correlation	0.2665	0.2658	-0.0007
54	0	Correlation	0.2666	0.2662	-0.0004
55	0	Correlation	0.2673	0.2671	-0.0002
56	0	Correlation	0.259	0.26	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	0.26485	0.2673	0.0039162	0.26	0.26477	0.2671	0.0032294	-0.0007	-7.5e-05	0.001	0.00074554
3	0.2587	0.26463	0.2689	0.0043495	0.2585	0.26431	0.2692	0.0043028	-0.0017	-0.00032	0.001	0.0008257
10	0.2602	0.26531	0.2689	0.0033975	0.2594	0.26537	0.2687	0.0035522	-0.0009	6e-05	0.0024	0.0010265
30	0.2597	0.26563	0.2691	0.003533	0.2604	0.26568	0.2696	0.0032676	-0.0019	5e-05	0.0027	0.0013435
50	0.26	0.26467	0.2685	0.0036012	0.2604	0.26511	0.2682	0.0030373	-0.0008	0.00044	0.0025	0.0012276
100	0.2597	0.26669	0.2782	0.0054816	0.2623	0.2681	0.2798	0.0050756	-0.0005	0.00141	0.0028	0.0013161

Device Test: 5.61; DLY_TMR_10KOHM





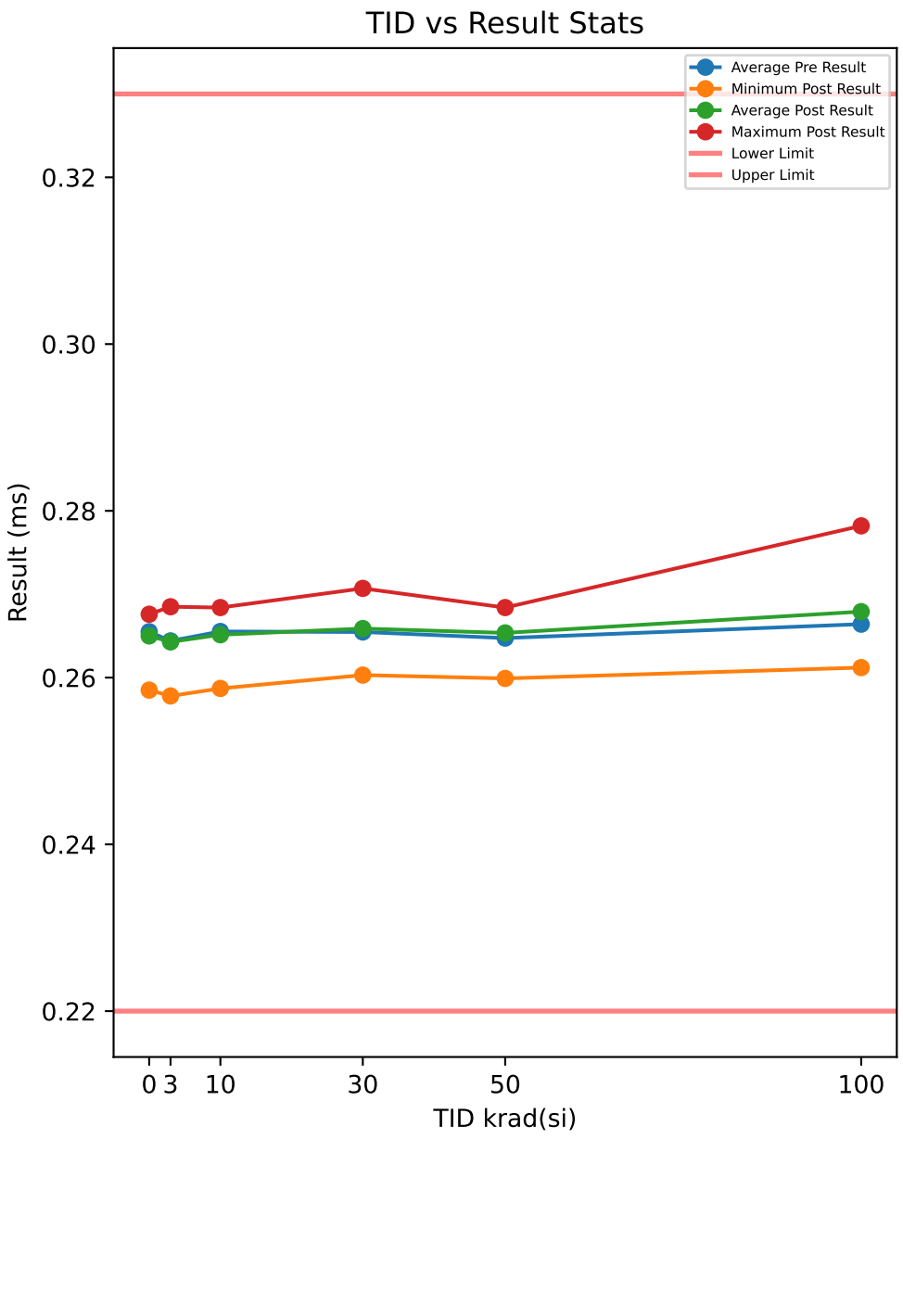
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

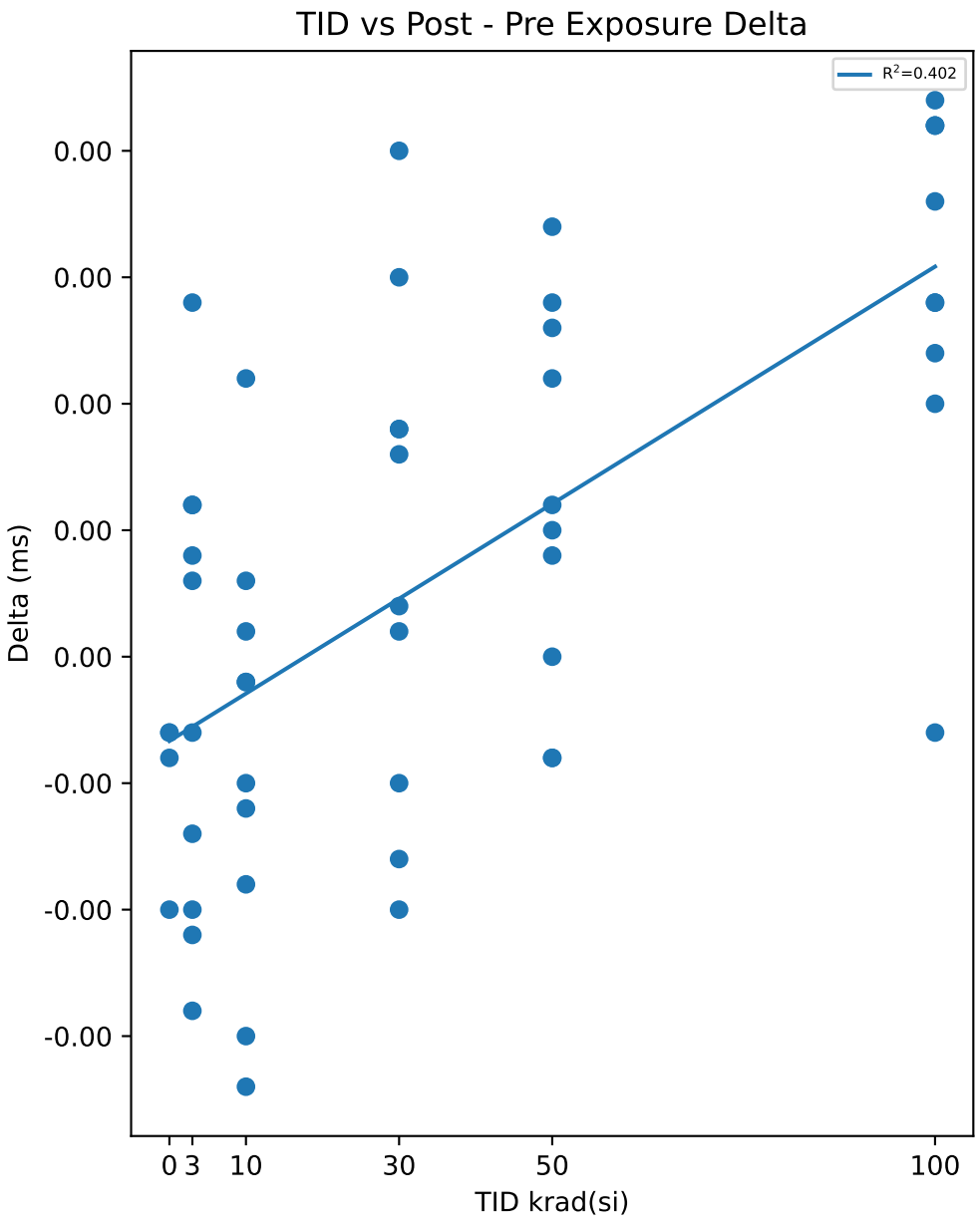
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2611	0.2609	-0.0002
3	3	Biased	0.2583	0.2583	0
4	3	Biased	0.2585	0.26	0.0015
5	3	Biased	0.2679	0.2683	0.0004
6	3	Biased	0.2672	0.2678	0.0006
7	3	Unbiased	0.2676	0.2681	0.0005
8	3	Unbiased	0.2675	0.2672	-0.0003
9	3	Unbiased	0.2658	0.2672	0.0014
10	3	Unbiased	0.2674	0.2661	-0.0013
11	3	Unbiased	0.2594	0.2586	-0.0008
12	10	Unbiased	0.2668	0.2672	0.0004
13	10	Unbiased	0.2607	0.2603	-0.0004
14	10	Unbiased	0.2602	0.2609	0.0007
15	10	Unbiased	0.267	0.2681	0.0011
16	10	Unbiased	0.2671	0.2681	0.001
17	10	Biased	0.2678	0.2682	0.0004
18	10	Biased	0.268	0.2677	-0.0003
19	10	Biased	0.2587	0.2588	0.0001
20	10	Biased	0.2666	0.2661	-0.0005
21	10	Biased	0.2691	0.2688	-0.0003
22	30	Biased	0.2606	0.2601	-0.0005
23	30	Biased	0.2673	0.2664	-0.0009
24	30	Biased	0.2611	0.2607	-0.0004
25	30	Biased	0.2665	0.2672	0.0007
26	30	Biased	0.2702	0.271	0.0008
27	30	Unbiased	0.2614	0.2612	-0.0002
28	30	Unbiased	0.2681	0.2684	0.0003
29	30	Unbiased	0.2689	0.2691	0.0002
30	30	Unbiased	0.2668	0.2681	0.0013
31	30	Unbiased	0.2666	0.2673	0.0007
32	50	Biased	0.2601	0.2602	0.0001
33	50	Biased	0.2657	0.2663	0.0006
34	50	Biased	0.2604	0.2609	0.0005
35	50	Biased	0.2622	0.2626	0.0004
36	50	Biased	0.2599	0.2618	0.0019
37	50	Unbiased	0.2667	0.2674	0.0007
39	50	Unbiased	0.2686	0.2696	0.001
40	50	Unbiased	0.267	0.2686	0.0016
41	50	Unbiased	0.2675	0.2688	0.0013
42	50	Unbiased	0.2673	0.2672	-0.0001
43	100	Biased	0.2617	0.2615	-0.0002
44	100	Biased	0.2783	0.2797	0.0014
45	100	Biased	0.2678	0.2706	0.0028
46	100	Biased	0.2623	0.2631	0.0008
47	100	Biased	0.2686	0.2697	0.0011
48	100	Unbiased	0.2681	0.2683	0.0002
49	100	Unbiased	0.2655	0.2682	0.0027
50	100	Unbiased	0.2604	0.261	0.0006
51	100	Unbiased	0.2662	0.2682	0.002
52	100	Unbiased	0.2689	0.27	0.0011
53	0	Correlation	0.2655	0.267	0.0015
54	0	Correlation	0.2662	0.2677	0.0015
55	0	Correlation	0.2667	0.267	0.0003
56	0	Correlation	0.2598	0.2584	-0.0014

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	0.2598	0.26455	0.2667	0.0032047	0.2584	0.26503	0.2677	0.004429	-0.0014	0.000475	0.0015	0.001372
3	0.2583	0.26407	0.2679	0.0041862	0.2583	0.26425	0.2683	0.004233	-0.0013	0.00018	0.0015	0.00088919
10	0.2587	0.2652	0.2691	0.0037812	0.2588	0.26542	0.2688	0.0038415	-0.0005	0.00022	0.0011	0.00059029
30	0.2606	0.26575	0.2702	0.0034497	0.2601	0.26595	0.271	0.0038584	-0.0009	0.0002	0.0013	0.00069121
50	0.2599	0.26454	0.2686	0.0034767	0.2602	0.26534	0.2696	0.003583	-0.0001	0.0008	0.0019	0.00064464
100	0.2604	0.26678	0.2783	0.0050756	0.261	0.26803	0.2797	0.0054361	-0.0002	0.00125	0.0028	0.00099805

Device Test: 5.62; DLY_TMR_10KOHM





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

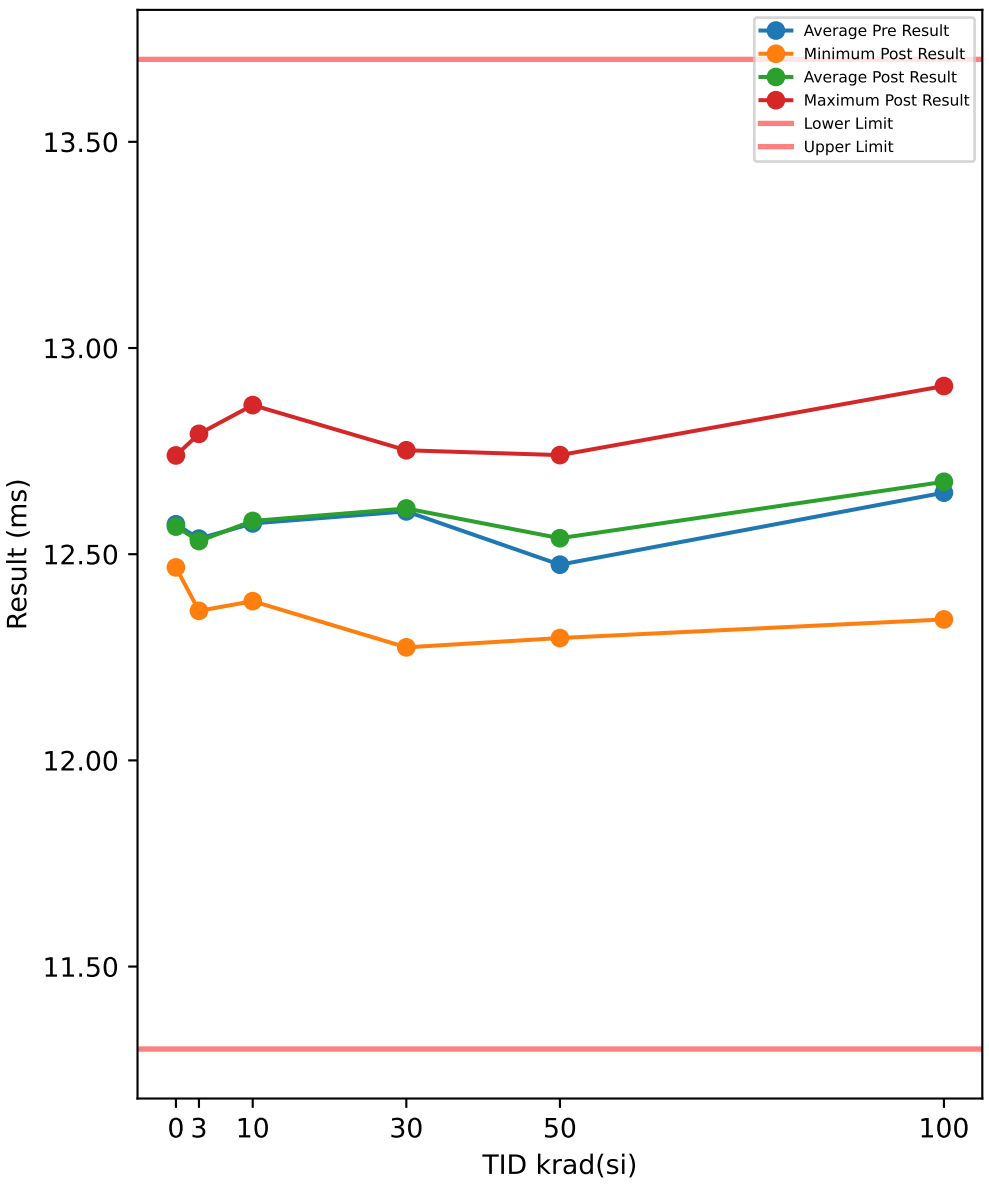
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2605	0.2611	0.0006
3	3	Biased	0.2589	0.2578	-0.0011
4	3	Biased	0.2583	0.2586	0.0003
5	3	Biased	0.2684	0.2677	-0.0007
6	3	Biased	0.2677	0.2663	-0.0014
7	3	Unbiased	0.2681	0.2685	0.0004
8	3	Unbiased	0.2684	0.2681	-0.0003
9	3	Unbiased	0.2677	0.2667	-0.001
10	3	Unbiased	0.2666	0.268	0.0014
11	3	Unbiased	0.2594	0.26	0.0006
12	10	Unbiased	0.2663	0.2662	-0.0001
13	10	Unbiased	0.2612	0.2615	0.0003
14	10	Unbiased	0.2607	0.2608	0.0001
15	10	Unbiased	0.2681	0.2676	-0.0005
16	10	Unbiased	0.268	0.2663	-0.0017
17	10	Biased	0.2685	0.2684	-0.0001
18	10	Biased	0.2676	0.2667	-0.0009
19	10	Biased	0.2602	0.2587	-0.0015
20	10	Biased	0.2675	0.2669	-0.0006
21	10	Biased	0.2672	0.2683	0.0011
22	30	Biased	0.2603	0.2605	0.0002
23	30	Biased	0.2669	0.267	0.0001
24	30	Biased	0.2613	0.2603	-0.001
25	30	Biased	0.267	0.2662	-0.0008
26	30	Biased	0.2687	0.2707	0.002
27	30	Unbiased	0.2606	0.2621	0.0015
28	30	Unbiased	0.2672	0.2681	0.0009
29	30	Unbiased	0.2687	0.2682	-0.0005
30	30	Unbiased	0.2668	0.2676	0.0008
31	30	Unbiased	0.2672	0.2681	0.0009
32	50	Biased	0.2605	0.261	0.0005
33	50	Biased	0.2671	0.2677	0.0006
34	50	Biased	0.2586	0.2599	0.0013
35	50	Biased	0.2619	0.2636	0.0017
36	50	Biased	0.2604	0.2615	0.0011
37	50	Unbiased	0.2673	0.2673	0
39	50	Unbiased	0.2681	0.2677	-0.0004
40	50	Unbiased	0.2678	0.2682	0.0004
41	50	Unbiased	0.2687	0.2683	-0.0004
42	50	Unbiased	0.267	0.2684	0.0014
43	100	Biased	0.2598	0.2612	0.0014
44	100	Biased	0.2772	0.2782	0.001
45	100	Biased	0.2672	0.2693	0.0021
46	100	Biased	0.2619	0.2633	0.0014
47	100	Biased	0.2686	0.2704	0.0018
48	100	Unbiased	0.2682	0.2679	-0.0003
49	100	Unbiased	0.2659	0.2671	0.0012
50	100	Unbiased	0.2608	0.2629	0.0021
51	100	Unbiased	0.2664	0.2686	0.0022
52	100	Unbiased	0.2681	0.2702	0.0021
53	0	Correlation	0.2671	0.2668	-0.0003
54	0	Correlation	0.2679	0.2676	-0.0003
55	0	Correlation	0.2681	0.2671	-0.001
56	0	Correlation	0.2589	0.2585	-0.0004

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	0.2589	0.2655	0.2681	0.0044212	0.2585	0.265	0.2676	0.0043459	-0.001	-0.0005	-0.0003	0.00033665
3	0.2583	0.2644	0.2684	0.0044719	0.2578	0.26428	0.2685	0.0043532	-0.0014	-0.00012	0.0014	0.00091506
10	0.2602	0.26553	0.2685	0.0033922	0.2587	0.26514	0.2684	0.0034677	-0.0017	-0.00039	0.0011	0.00084123
30	0.2603	0.26547	0.2687	0.0033473	0.2603	0.26588	0.2707	0.003608	-0.001	0.00041	0.002	0.00098708
50	0.2586	0.26474	0.2687	0.0038894	0.2599	0.26536	0.2684	0.0034558	-0.0004	0.00062	0.0017	0.00074506
100	0.2598	0.26641	0.2772	0.0049852	0.2612	0.26791	0.2782	0.0048508	-0.0003	0.0015	0.0022	0.00076449

Device Test: 5.63; DLY_TMR_500KOHM

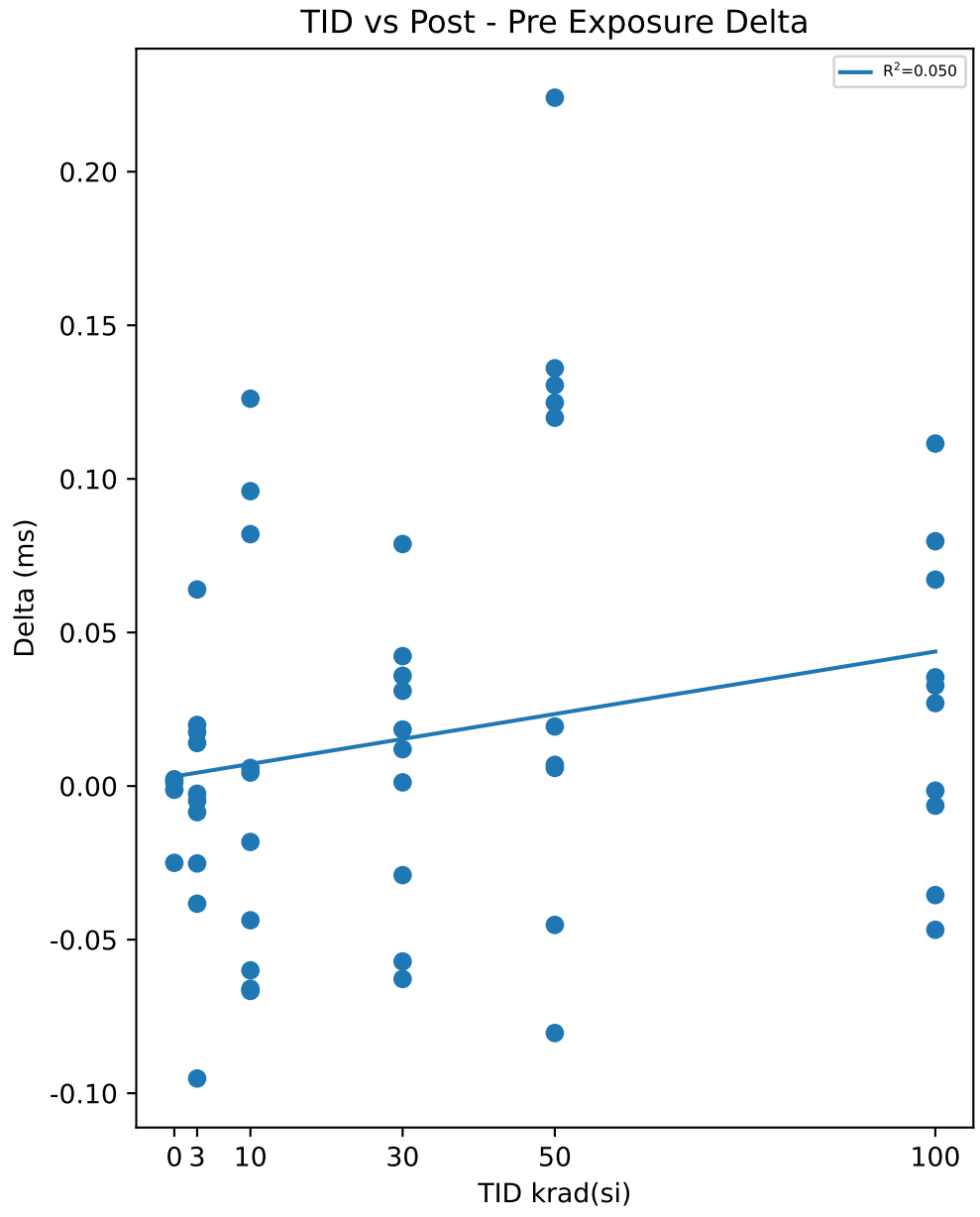
TID vs Result Stats



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

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.479	12.493	0.014
3	3	Biased	12.434	12.451	0.0175
4	3	Biased	12.365	12.363	-0.0025
5	3	Biased	12.8	12.792	-0.0085
6	3	Biased	12.739	12.643	-0.0952
7	3	Unbiased	12.413	12.408	-0.0048
8	3	Unbiased	12.735	12.697	-0.0383
9	3	Unbiased	12.493	12.468	-0.0252
10	3	Unbiased	12.461	12.481	0.0199
11	3	Unbiased	12.46	12.524	0.064
12	10	Unbiased	12.357	12.453	0.096
13	10	Unbiased	12.382	12.386	0.0044
14	10	Unbiased	12.44	12.446	0.0059
15	10	Unbiased	12.736	12.862	0.1261
16	10	Unbiased	12.634	12.716	0.082
17	10	Biased	12.745	12.701	-0.0437
18	10	Biased	12.607	12.541	-0.066
19	10	Biased	12.508	12.448	-0.06
20	10	Biased	12.642	12.575	-0.0667
21	10	Biased	12.696	12.678	-0.0182
22	30	Biased	12.615	12.627	0.012
23	30	Biased	12.48	12.481	0.0012
24	30	Biased	12.303	12.274	-0.029
25	30	Biased	12.619	12.65	0.031
26	30	Biased	12.752	12.689	-0.0628
27	30	Unbiased	12.616	12.659	0.0423
28	30	Unbiased	12.716	12.752	0.0359
29	30	Unbiased	12.549	12.492	-0.0571
30	30	Unbiased	12.663	12.742	0.0788
31	30	Unbiased	12.725	12.743	0.0184
32	50	Biased	12.455	12.58	0.1248
33	50	Biased	12.565	12.701	0.136
34	50	Biased	12.326	12.55	0.2241
35	50	Biased	12.439	12.559	0.1199
36	50	Biased	12.582	12.589	0.0069
37	50	Unbiased	12.289	12.42	0.1305
39	50	Unbiased	12.653	12.573	-0.0804
40	50	Unbiased	12.424	12.379	-0.0452
41	50	Unbiased	12.291	12.297	0.0059
42	50	Unbiased	12.721	12.74	0.0194
43	100	Biased	12.595	12.631	0.0354
44	100	Biased	12.841	12.908	0.0672
45	100	Biased	12.771	12.883	0.1115
46	100	Biased	12.726	12.72	-0.0064
47	100	Biased	12.779	12.777	-0.0015
48	100	Unbiased	12.716	12.796	0.0797
49	100	Unbiased	12.489	12.443	-0.0468
50	100	Unbiased	12.315	12.342	0.027
51	100	Unbiased	12.537	12.57	0.0327
52	100	Unbiased	12.723	12.687	-0.0355
53	0	Correlation	12.738	12.739	0.0012
54	0	Correlation	12.544	12.543	-0.0012
55	0	Correlation	12.543	12.518	-0.025
56	0	Correlation	12.466	12.468	0.0022

TID vs Post - Pre Exposure Delta

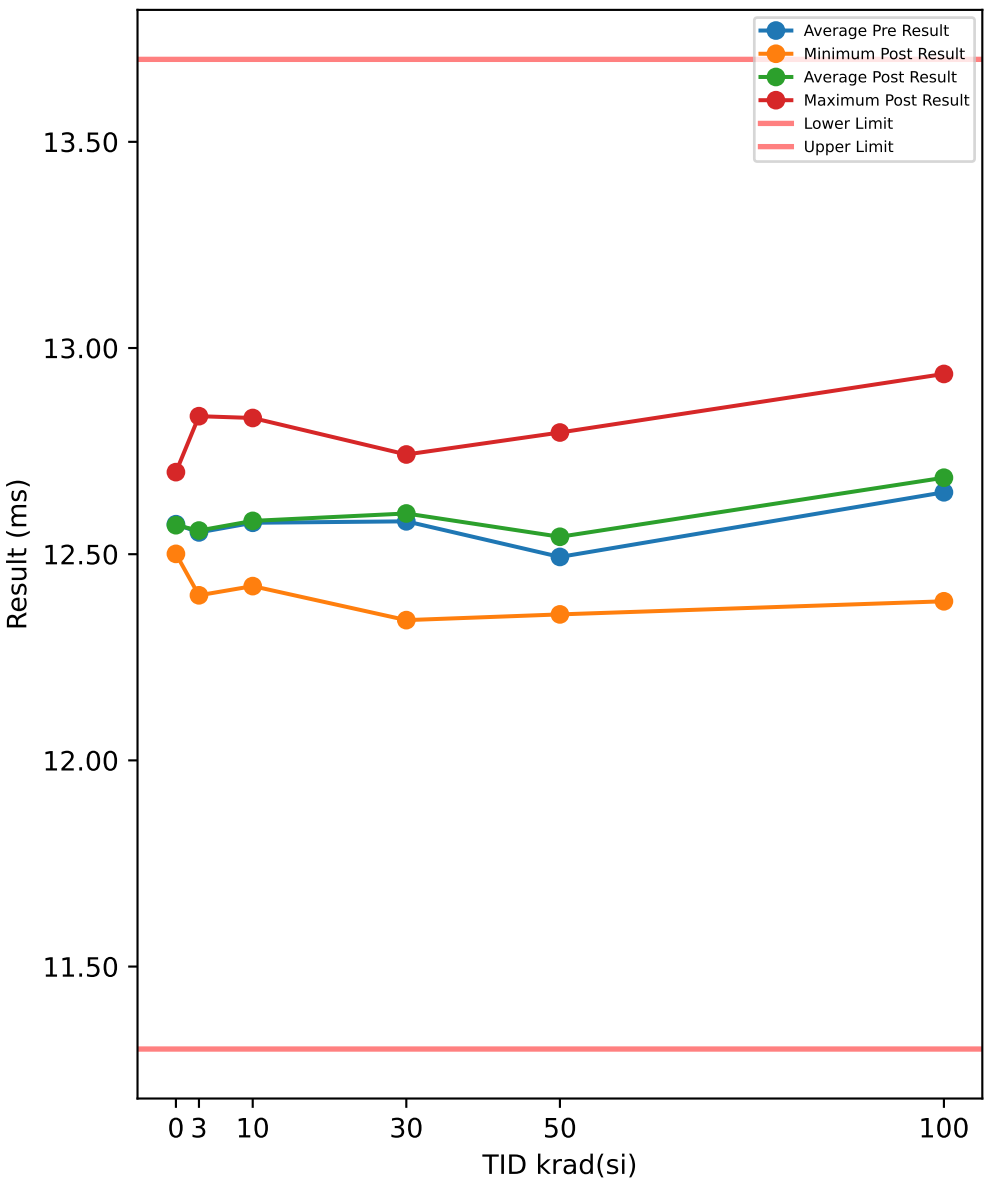


Test Statistics (ms)

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	12.466	12.573	12.738	0.11633	12.468	12.567	12.739	0.11916	-0.025	-0.0057	0.0022	0.012946
3	12.365	12.538	12.8	0.15697	12.363	12.532	12.792	0.13577	-0.0952	-0.00591	0.064	0.042047
10	12.357	12.575	12.745	0.14362	12.386	12.581	12.862	0.15367	-0.0667	0.00598	0.1261	0.071635
30	12.303	12.604	12.752	0.13419	12.274	12.611	12.752	0.1525	-0.0628	0.00707	0.0788	0.045065
50	12.289	12.475	12.721	0.15158	12.297	12.539	12.74	0.13789	-0.0804	0.06419	0.2241	0.096298
100	12.315	12.649	12.841	0.16225	12.342	12.676	12.908	0.18337	-0.0468	0.02633	0.1115	0.050456

Device Test: 5.64; DLY_TMR_500KOHM

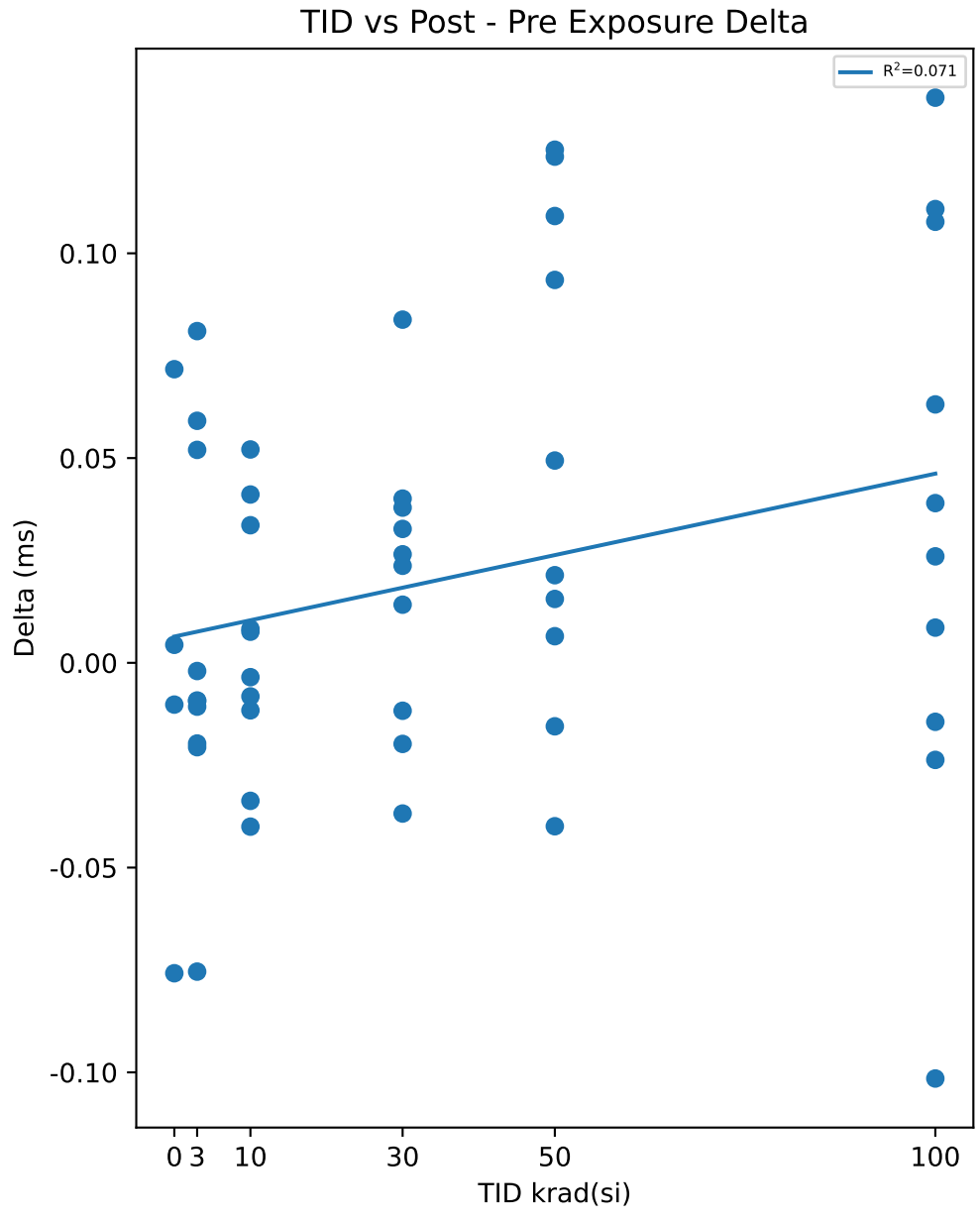
TID vs Result Stats



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

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.438	12.52	0.081
3	3	Biased	12.49	12.481	-0.0093
4	3	Biased	12.421	12.4	-0.0206
5	3	Biased	12.854	12.835	-0.0197
6	3	Biased	12.695	12.684	-0.0107
7	3	Unbiased	12.467	12.465	-0.002
8	3	Unbiased	12.691	12.75	0.0591
9	3	Unbiased	12.437	12.489	0.052
10	3	Unbiased	12.518	12.508	-0.0092
11	3	Unbiased	12.517	12.442	-0.0754
12	10	Unbiased	12.414	12.423	0.0083
13	10	Unbiased	12.438	12.43	-0.0082
14	10	Unbiased	12.495	12.484	-0.0116
15	10	Unbiased	12.789	12.83	0.0411
16	10	Unbiased	12.622	12.674	0.0521
17	10	Biased	12.7	12.734	0.0336
18	10	Biased	12.563	12.523	-0.04
19	10	Biased	12.467	12.433	-0.0337
20	10	Biased	12.597	12.605	0.0076
21	10	Biased	12.676	12.672	-0.0035
22	30	Biased	12.571	12.559	-0.0117
23	30	Biased	12.439	12.465	0.0265
24	30	Biased	12.36	12.34	-0.0198
25	30	Biased	12.575	12.589	0.0142
26	30	Biased	12.704	12.742	0.0379
27	30	Unbiased	12.572	12.655	0.0838
28	30	Unbiased	12.671	12.711	0.0401
29	30	Unbiased	12.508	12.541	0.0327
30	30	Unbiased	12.718	12.681	-0.0368
31	30	Unbiased	12.68	12.704	0.0237
32	50	Biased	12.459	12.553	0.0935
33	50	Biased	12.522	12.631	0.1091
34	50	Biased	12.381	12.507	0.1253
35	50	Biased	12.475	12.598	0.1236
36	50	Biased	12.54	12.555	0.0156
37	50	Unbiased	12.345	12.395	0.0494
39	50	Unbiased	12.61	12.57	-0.0399
40	50	Unbiased	12.48	12.465	-0.0155
41	50	Unbiased	12.348	12.354	0.0065
42	50	Unbiased	12.774	12.795	0.0214
43	100	Biased	12.551	12.659	0.1077
44	100	Biased	12.886	12.862	-0.0237
45	100	Biased	12.826	12.937	0.1108
46	100	Biased	12.682	12.691	0.0086
47	100	Biased	12.821	12.806	-0.0144
48	100	Unbiased	12.672	12.81	0.138
49	100	Unbiased	12.436	12.475	0.039
50	100	Unbiased	12.36	12.386	0.026
51	100	Unbiased	12.492	12.555	0.0631
52	100	Unbiased	12.776	12.675	-0.1015
53	0	Correlation	12.695	12.699	0.0044
54	0	Correlation	12.499	12.571	0.0717
55	0	Correlation	12.577	12.501	-0.0758
56	0	Correlation	12.521	12.511	-0.0102

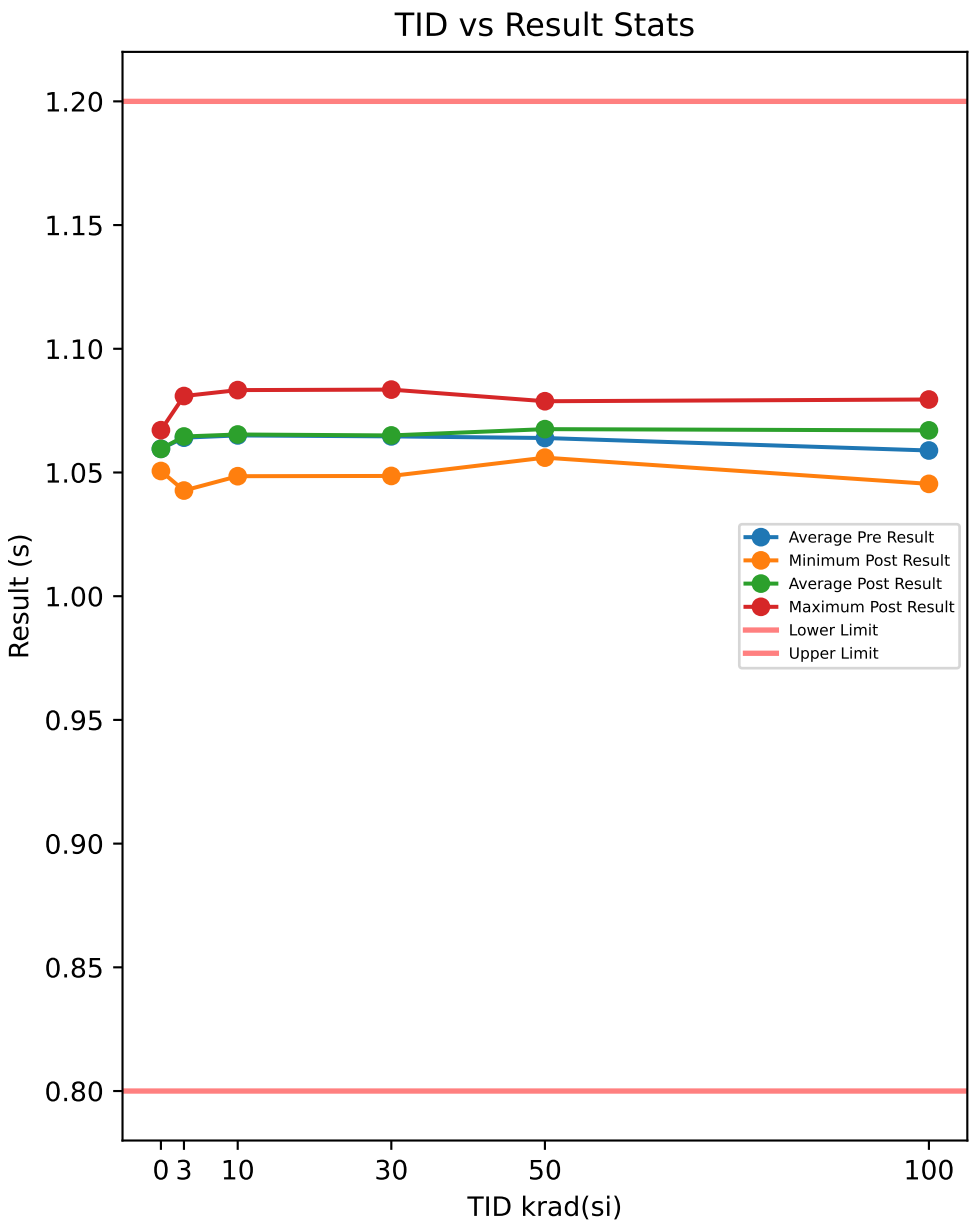
TID vs Post - Pre Exposure Delta

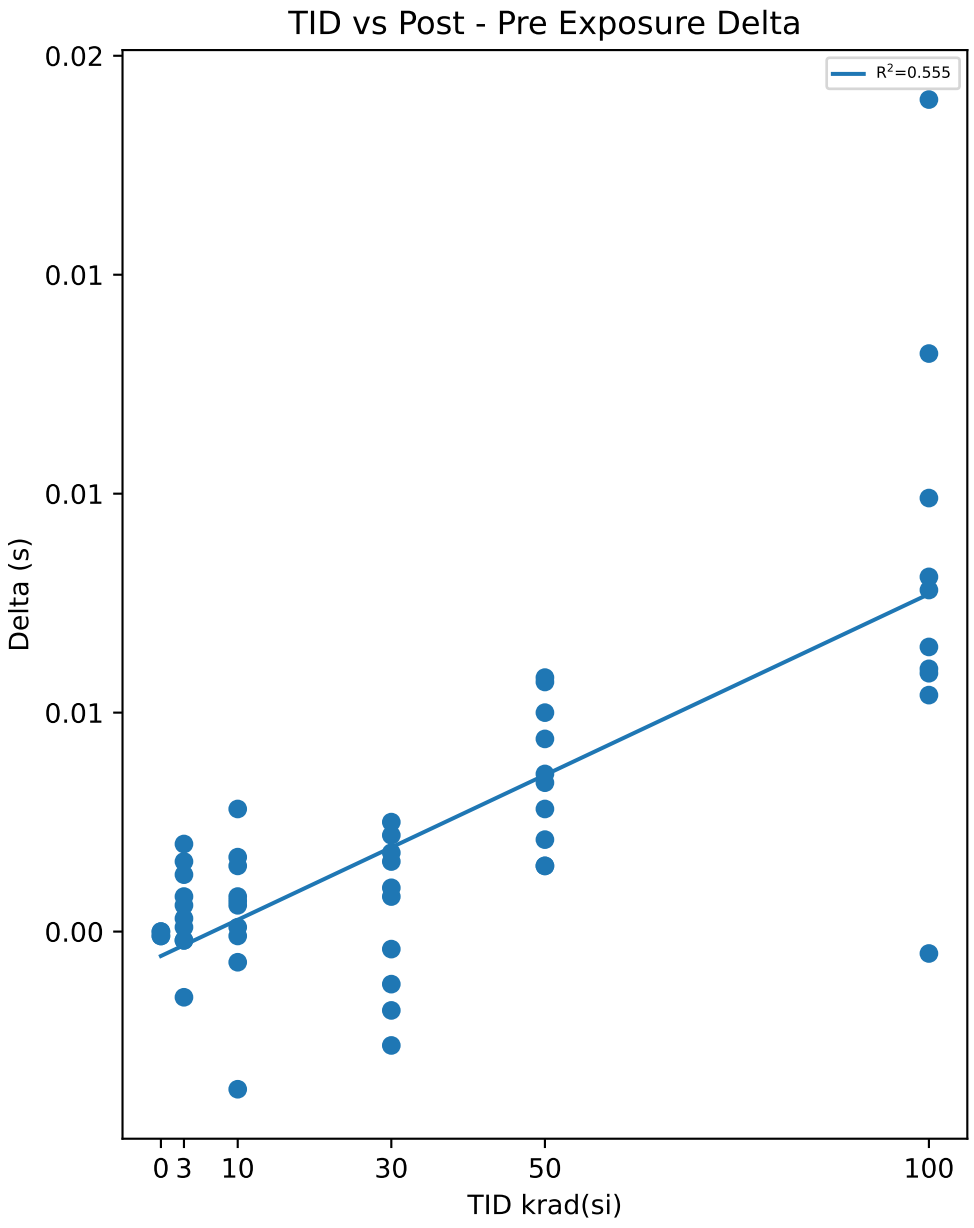


Test Statistics (ms)

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	12.499	12.573	12.695	0.087523	12.501	12.57	12.699	0.091233	-0.0758	-0.002475	0.0717	0.060513
3	12.421	12.553	12.854	0.1445	12.4	12.557	12.835	0.14571	-0.0754	0.00452	0.081	0.046357
10	12.414	12.576	12.789	0.12342	12.423	12.581	12.83	0.14359	-0.04	0.00457	0.0521	0.030551
30	12.36	12.58	12.718	0.11849	12.34	12.599	12.742	0.12639	-0.0368	0.01906	0.0838	0.034724
50	12.345	12.493	12.774	0.13019	12.354	12.542	12.795	0.12495	-0.0399	0.0489	0.1253	0.060301
100	12.36	12.65	12.886	0.18206	12.386	12.685	12.937	0.17534	-0.1015	0.03536	0.138	0.072832

Device Test: 5.65; WD_TMR_500KOHM





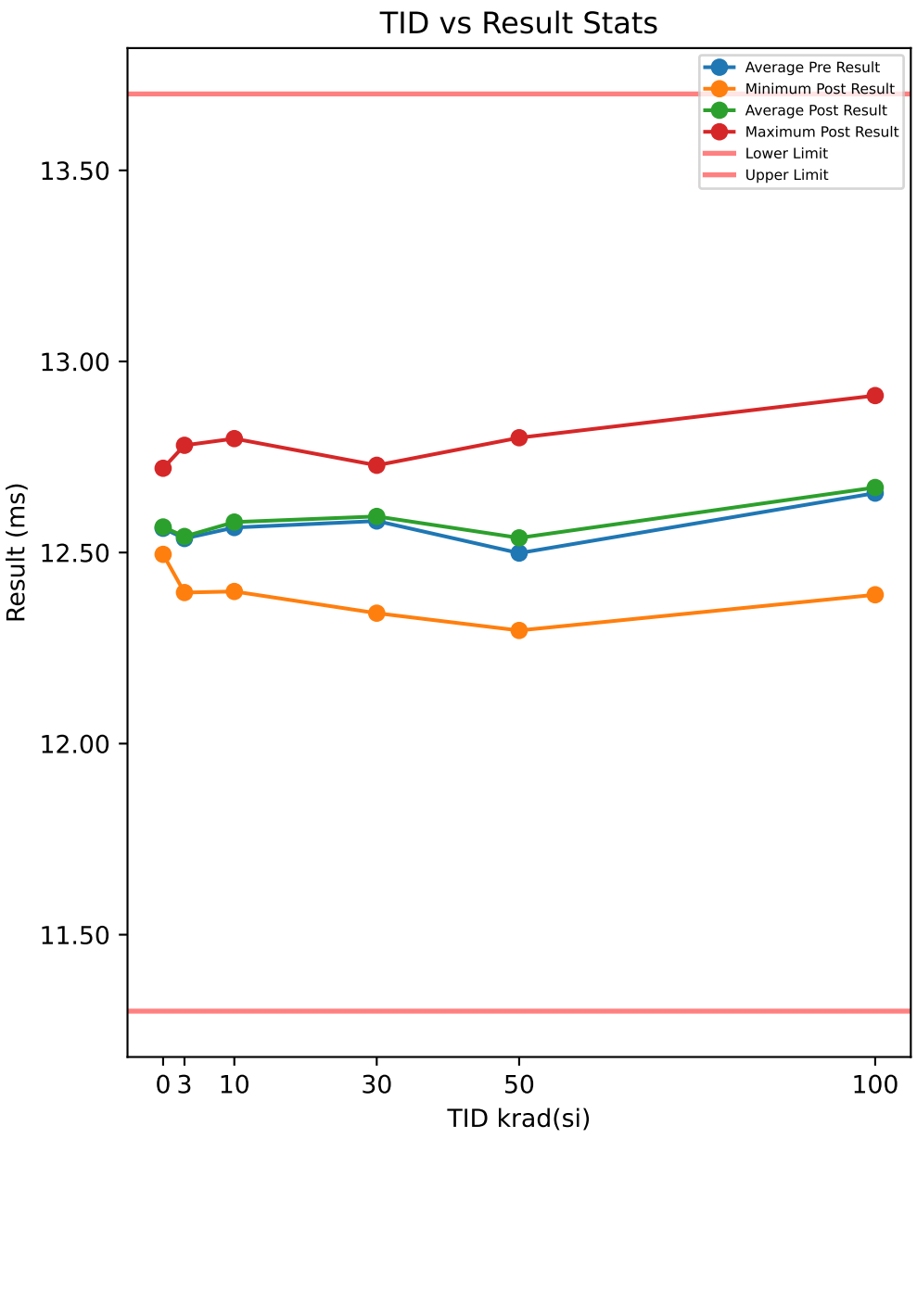
Test Results (Lower Limit = 0.8, Upper Limit = 1.2 (s))

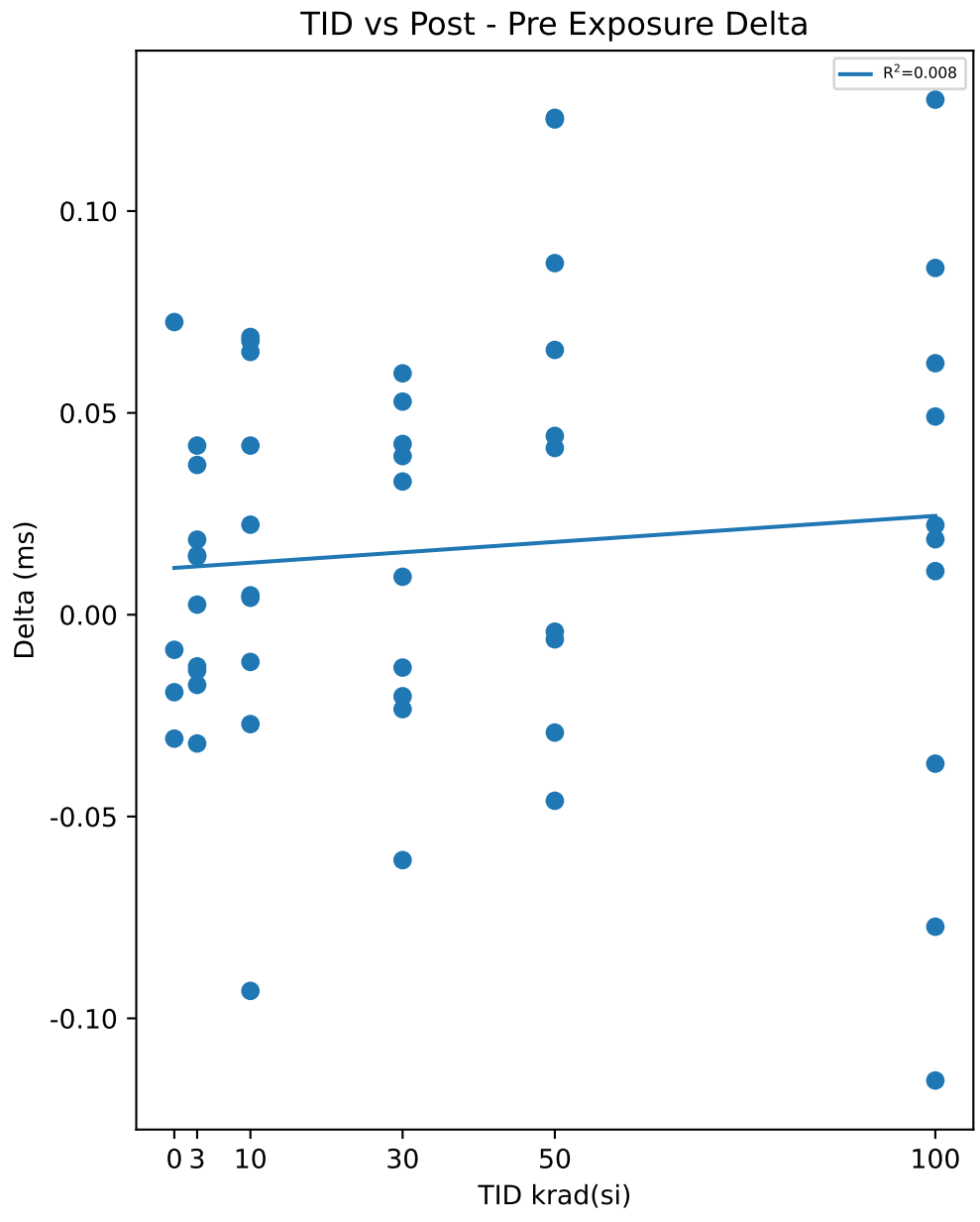
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.0653	1.0661	0.0008
3	3	Biased	1.0671	1.0672	0.0001
4	3	Biased	1.0668	1.0666	-0.0002
5	3	Biased	1.0411	1.0427	0.0016
6	3	Biased	1.0789	1.0809	0.002
7	3	Unbiased	1.0608	1.0593	-0.0015
8	3	Unbiased	1.0563	1.0576	0.0013
9	3	Unbiased	1.0712	1.0718	0.0006
10	3	Unbiased	1.0655	1.0653	-0.0002
11	3	Unbiased	1.0677	1.068	0.0003
12	10	Unbiased	1.0644	1.0608	-0.0036
13	10	Unbiased	1.0834	1.0833	-0.0001
14	10	Unbiased	1.0616	1.0633	0.0017
15	10	Unbiased	1.055	1.0556	0.0006
16	10	Unbiased	1.0559	1.0574	0.0015
17	10	Biased	1.0688	1.0716	0.0028
18	10	Biased	1.0478	1.0485	0.0007
19	10	Biased	1.0719	1.072	0.0001
20	10	Biased	1.0651	1.0644	-0.0007
21	10	Biased	1.0759	1.0767	0.0008
22	30	Biased	1.0518	1.0514	-0.0004
23	30	Biased	1.0498	1.0486	-0.0012
24	30	Biased	1.0861	1.0835	-0.0026
25	30	Biased	1.0571	1.0589	0.0018
26	30	Biased	1.0697	1.0705	0.0008
27	30	Unbiased	1.0671	1.0681	0.001
28	30	Unbiased	1.0767	1.0783	0.0016
29	30	Unbiased	1.0579	1.0604	0.0025
30	30	Unbiased	1.0641	1.0663	0.0022
31	30	Unbiased	1.0656	1.0638	-0.0018
32	50	Biased	1.0548	1.0592	0.0044
33	50	Biased	1.0532	1.056	0.0028
34	50	Biased	1.0619	1.0655	0.0036
35	50	Biased	1.0659	1.0693	0.0034
36	50	Biased	1.0718	1.0739	0.0021
37	50	Unbiased	1.0649	1.0707	0.0058
39	50	Unbiased	1.0583	1.0598	0.0015
40	50	Unbiased	1.0651	1.0666	0.0015
41	50	Unbiased	1.0738	1.0788	0.005
42	50	Unbiased	1.0697	1.0754	0.0057
43	100	Biased	1.0495	1.0627	0.0132
44	100	Biased	1.0685	1.068	-0.0005
45	100	Biased	1.0676	1.0775	0.0099
46	100	Biased	1.0518	1.0577	0.0059
47	100	Biased	1.0621	1.0699	0.0078
48	100	Unbiased	1.0637	1.0691	0.0054
49	100	Unbiased	1.0668	1.0733	0.0065
50	100	Unbiased	1.059	1.0671	0.0081
51	100	Unbiased	1.0605	1.0795	0.019
52	100	Unbiased	1.0394	1.0454	0.006
53	0	Correlation	1.0672	1.0671	-0.0001
54	0	Correlation	1.0506	1.0506	0
55	0	Correlation	1.0558	1.0557	-0.0001
56	0	Correlation	1.0647	1.0647	0

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	1.0506	1.0596	1.0672	0.0077289	1.0506	1.0595	1.0671	0.0077125	-0.0001	-5e-05	0	5.7735e-05
3	1.0411	1.0641	1.0789	0.010016	1.0427	1.0646	1.0809	0.0099959	-0.0015	0.00048	0.002	0.0010207
10	1.0478	1.065	1.0834	0.010593	1.0485	1.0654	1.0833	0.010553	-0.0036	0.00038	0.0028	0.0017158
30	1.0498	1.0646	1.0861	0.011186	1.0486	1.065	1.0835	0.010926	-0.0026	0.00039	0.0025	0.0017829
50	1.0532	1.0639	1.0738	0.0069374	1.056	1.0675	1.0788	0.0075261	0.0015	0.00358	0.0058	0.0016192
100	1.0394	1.0589	1.0685	0.0093401	1.0454	1.067	1.0795	0.009953	-0.0005	0.00813	0.019	0.0051769

Device Test: 5.66; DLY_TMR_500KOHM





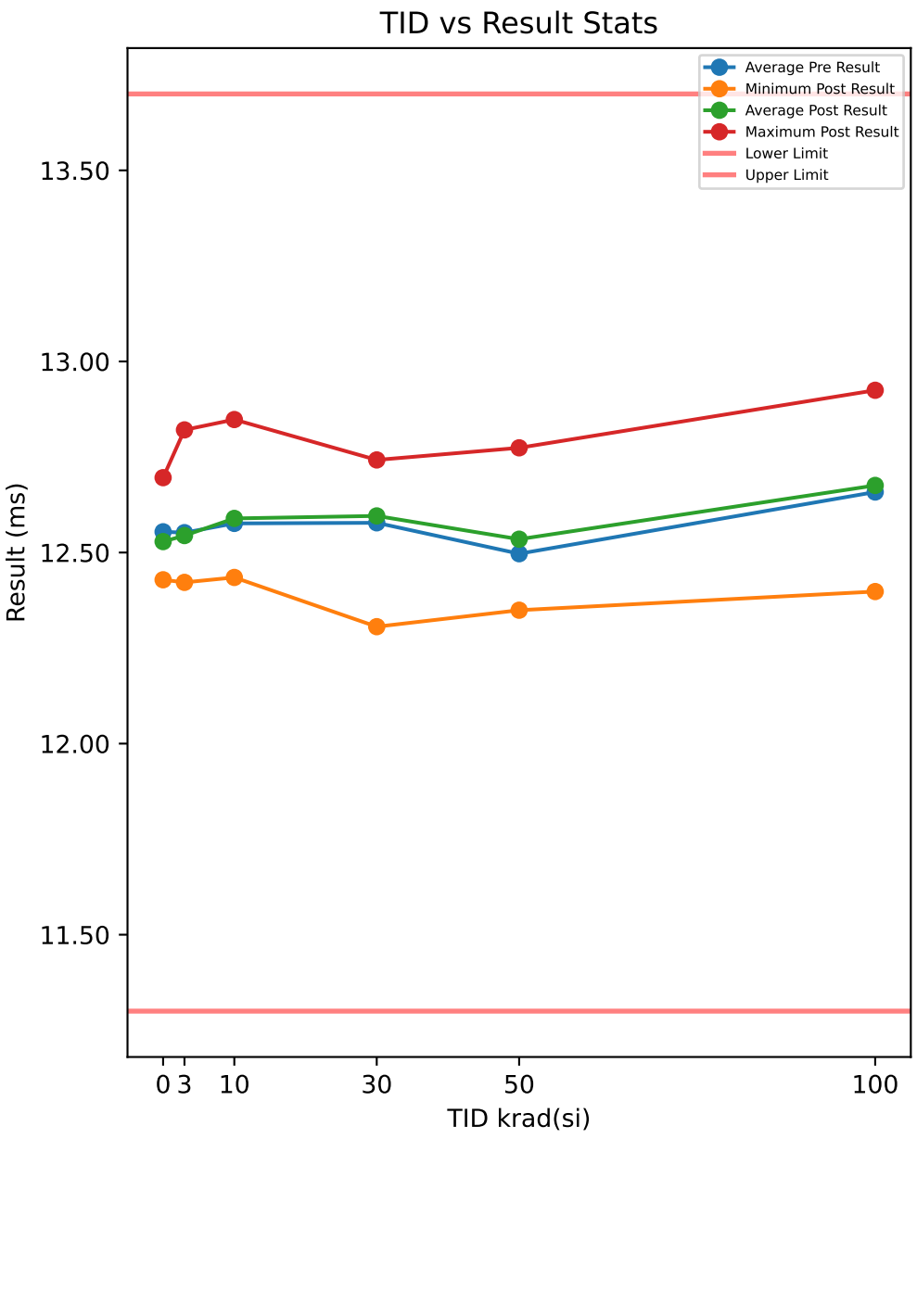
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

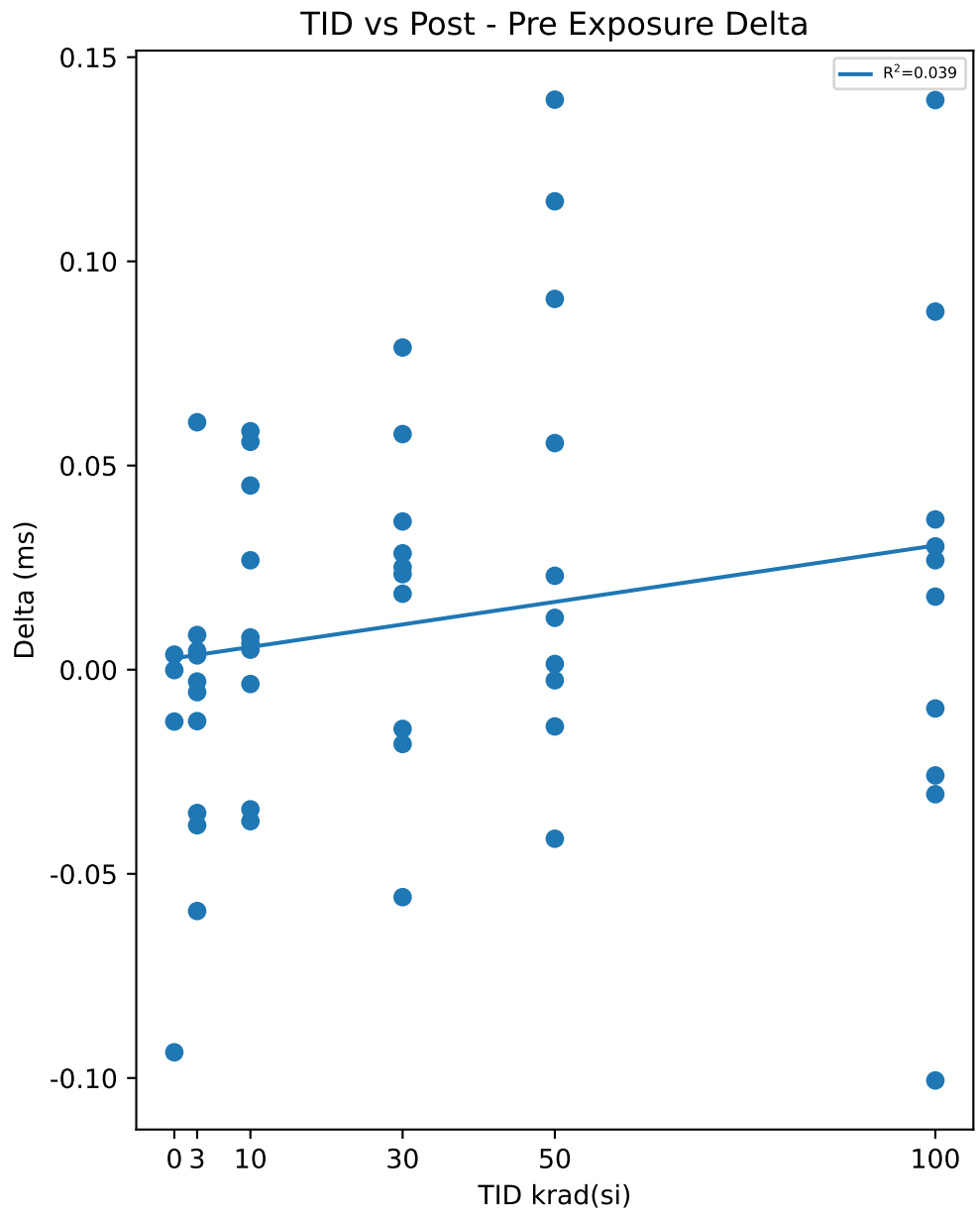
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.521	12.503	-0.0174
3	3	Biased	12.411	12.448	0.0371
4	3	Biased	12.427	12.395	-0.0319
5	3	Biased	12.778	12.781	0.0025
6	3	Biased	12.684	12.671	-0.0128
7	3	Unbiased	12.421	12.463	0.0419
8	3	Unbiased	12.696	12.71	0.0147
9	3	Unbiased	12.478	12.493	0.0144
10	3	Unbiased	12.479	12.498	0.0186
11	3	Unbiased	12.471	12.457	-0.0138
12	10	Unbiased	12.41	12.398	-0.0117
13	10	Unbiased	12.395	12.417	0.0223
14	10	Unbiased	12.418	12.46	0.0419
15	10	Unbiased	12.729	12.798	0.0688
16	10	Unbiased	12.633	12.698	0.0651
17	10	Biased	12.659	12.727	0.0678
18	10	Biased	12.581	12.586	0.0048
19	10	Biased	12.536	12.443	-0.0932
20	10	Biased	12.6	12.604	0.0042
21	10	Biased	12.693	12.666	-0.0271
22	30	Biased	12.595	12.628	0.033
23	30	Biased	12.453	12.43	-0.0234
24	30	Biased	12.332	12.341	0.0094
25	30	Biased	12.602	12.582	-0.0202
26	30	Biased	12.708	12.695	-0.0131
27	30	Unbiased	12.615	12.668	0.0528
28	30	Unbiased	12.639	12.698	0.0598
29	30	Unbiased	12.527	12.467	-0.0608
30	30	Unbiased	12.668	12.708	0.0393
31	30	Unbiased	12.686	12.728	0.0423
32	50	Biased	12.472	12.594	0.1227
33	50	Biased	12.583	12.67	0.0871
34	50	Biased	12.384	12.507	0.1231
35	50	Biased	12.472	12.538	0.0656
36	50	Biased	12.578	12.619	0.0413
37	50	Unbiased	12.352	12.396	0.0443
39	50	Unbiased	12.599	12.553	-0.0461
40	50	Unbiased	12.439	12.41	-0.0292
41	50	Unbiased	12.3	12.296	-0.0042
42	50	Unbiased	12.806	12.8	-0.0061
43	100	Biased	12.596	12.615	0.0187
44	100	Biased	12.862	12.911	0.0491
45	100	Biased	12.826	12.837	0.0108
46	100	Biased	12.675	12.697	0.0222
47	100	Biased	12.843	12.765	-0.0773
48	100	Unbiased	12.703	12.831	0.1276
49	100	Unbiased	12.462	12.425	-0.0369
50	100	Unbiased	12.327	12.389	0.0623
51	100	Unbiased	12.511	12.597	0.0859
52	100	Unbiased	12.748	12.633	-0.1154
53	0	Correlation	12.648	12.72	0.0725
54	0	Correlation	12.579	12.548	-0.0307
55	0	Correlation	12.512	12.504	-0.0087
56	0	Correlation	12.514	12.495	-0.0192

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	12.512	12.563	12.648	0.064281	12.495	12.567	12.72	0.10501	-0.0307	0.003475	0.0725	0.046886
3	12.411	12.537	12.778	0.13242	12.395	12.542	12.781	0.12984	-0.0319	0.00533	0.0419	0.024263
10	12.395	12.565	12.729	0.12183	12.398	12.58	12.798	0.14283	-0.0932	0.01429	0.0688	0.050966
30	12.332	12.583	12.708	0.11596	12.341	12.594	12.728	0.13571	-0.0608	0.01191	0.0598	0.039834
50	12.3	12.499	12.806	0.14809	12.296	12.538	12.8	0.14621	-0.0461	0.03985	0.1231	0.060479
100	12.327	12.655	12.862	0.17875	12.389	12.67	12.911	0.17318	-0.1154	0.0147	0.1276	0.074091

Device Test: 5.67; DLY_TMR_500KOHM





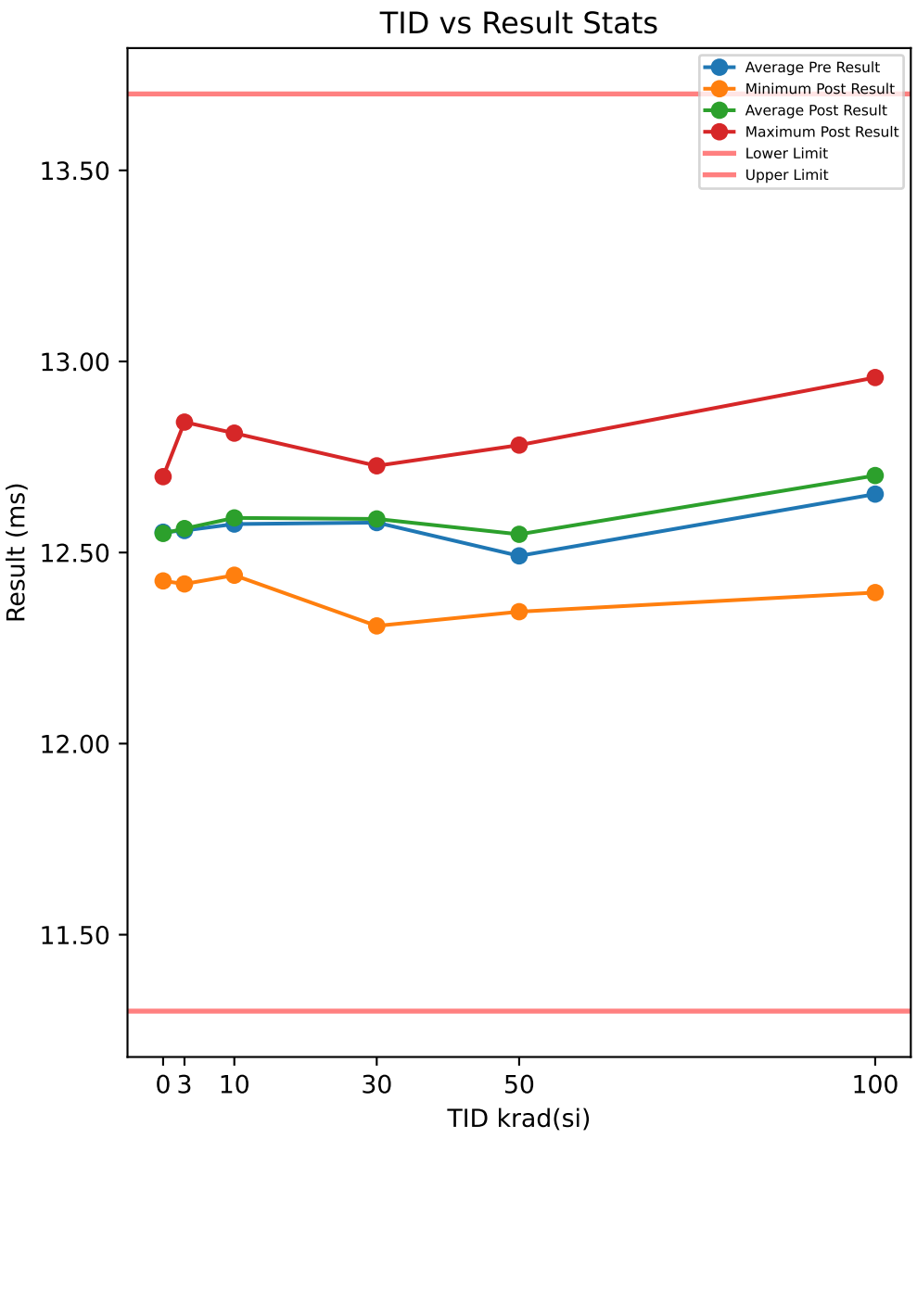
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

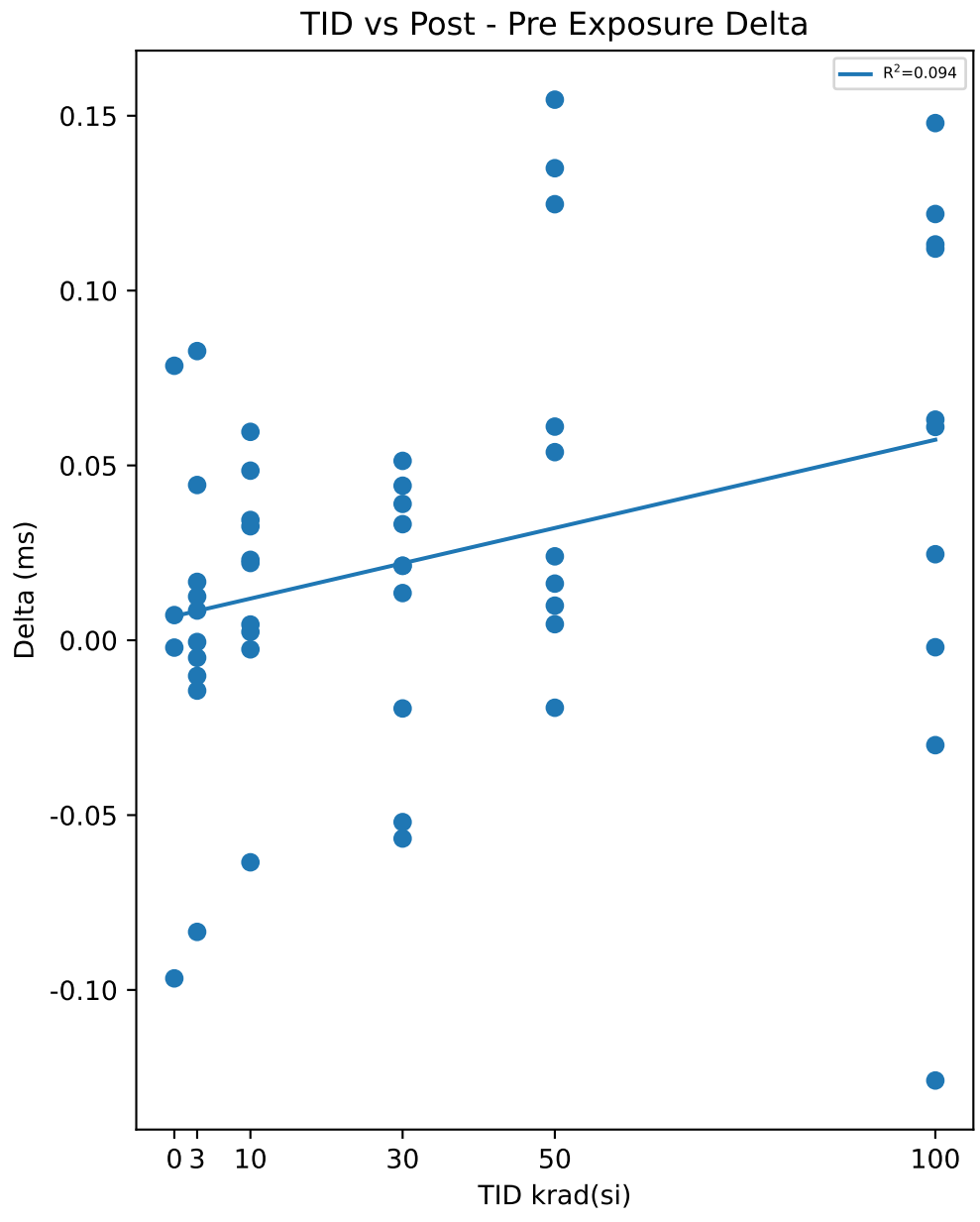
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.441	12.449	0.0085
3	3	Biased	12.492	12.454	-0.0381
4	3	Biased	12.418	12.422	0.0035
5	3	Biased	12.856	12.821	-0.0351
6	3	Biased	12.695	12.7	0.0046
7	3	Unbiased	12.469	12.466	-0.0029
8	3	Unbiased	12.69	12.751	0.0606
9	3	Unbiased	12.439	12.426	-0.0126
10	3	Unbiased	12.519	12.513	-0.0055
11	3	Unbiased	12.502	12.443	-0.0591
12	10	Unbiased	12.415	12.441	0.0268
13	10	Unbiased	12.438	12.446	0.0079
14	10	Unbiased	12.498	12.503	0.0049
15	10	Unbiased	12.79	12.848	0.0584
16	10	Unbiased	12.617	12.673	0.0558
17	10	Biased	12.7	12.745	0.0451
18	10	Biased	12.563	12.526	-0.0371
19	10	Biased	12.469	12.435	-0.0342
20	10	Biased	12.598	12.605	0.0064
21	10	Biased	12.674	12.671	-0.0035
22	30	Biased	12.573	12.559	-0.0145
23	30	Biased	12.437	12.465	0.0285
24	30	Biased	12.362	12.306	-0.0557
25	30	Biased	12.573	12.592	0.0186
26	30	Biased	12.706	12.742	0.0363
27	30	Unbiased	12.575	12.654	0.0789
28	30	Unbiased	12.65	12.708	0.0577
29	30	Unbiased	12.507	12.532	0.0251
30	30	Unbiased	12.718	12.7	-0.0182
31	30	Unbiased	12.676	12.699	0.0234
32	50	Biased	12.462	12.552	0.0908
33	50	Biased	12.52	12.66	0.1396
34	50	Biased	12.384	12.498	0.1147
35	50	Biased	12.5	12.512	0.0127
36	50	Biased	12.542	12.565	0.023
37	50	Unbiased	12.346	12.402	0.0555
39	50	Unbiased	12.611	12.57	-0.0414
40	50	Unbiased	12.48	12.466	-0.0139
41	50	Unbiased	12.348	12.349	0.0014
42	50	Unbiased	12.777	12.774	-0.0026
43	100	Biased	12.553	12.571	0.0179
44	100	Biased	12.894	12.925	0.0302
45	100	Biased	12.826	12.914	0.0877
46	100	Biased	12.684	12.658	-0.0259
47	100	Biased	12.836	12.805	-0.0305
48	100	Unbiased	12.67	12.809	0.1395
49	100	Unbiased	12.437	12.474	0.0368
50	100	Unbiased	12.371	12.398	0.0268
51	100	Unbiased	12.567	12.557	-0.0095
52	100	Unbiased	12.745	12.645	-0.1006
53	0	Correlation	12.692	12.696	0.0037
54	0	Correlation	12.501	12.489	-0.0127
55	0	Correlation	12.501	12.501	-0.0001
56	0	Correlation	12.522	12.429	-0.0937

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	12.501	12.554	12.692	0.09247	12.429	12.529	12.696	0.11593	-0.0937	-0.0257	0.0037	0.045872
3	12.418	12.552	12.856	0.14504	12.422	12.544	12.821	0.15167	-0.0591	-0.00761	0.0606	0.032613
10	12.415	12.576	12.79	0.12273	12.435	12.589	12.848	0.1425	-0.0371	0.01305	0.0584	0.033762
30	12.362	12.578	12.718	0.11674	12.306	12.596	12.742	0.13559	-0.0557	0.01801	0.0789	0.038885
50	12.346	12.497	12.777	0.13048	12.349	12.535	12.774	0.12209	-0.0414	0.03798	0.1396	0.059769
100	12.371	12.658	12.894	0.17476	12.398	12.676	12.925	0.18189	-0.1006	0.01724	0.1395	0.066077

Device Test: 5.68; DLY_TMR_500KOHM





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

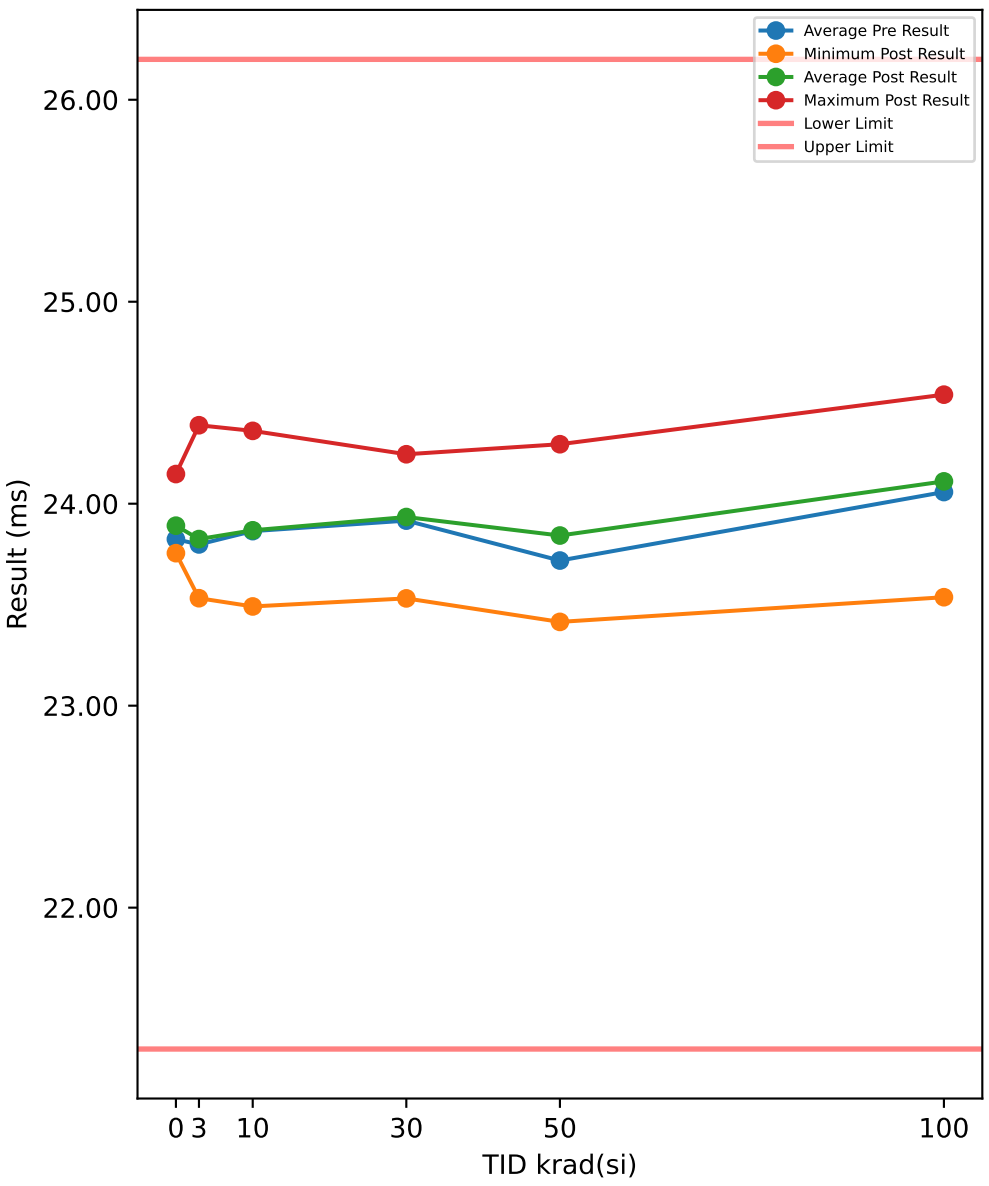
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.534	12.45	-0.0834
3	3	Biased	12.488	12.501	0.0125
4	3	Biased	12.418	12.418	-0.0005
5	3	Biased	12.825	12.841	0.0167
6	3	Biased	12.694	12.679	-0.0144
7	3	Unbiased	12.467	12.462	-0.005
8	3	Unbiased	12.686	12.73	0.0444
9	3	Unbiased	12.437	12.519	0.0827
10	3	Unbiased	12.515	12.523	0.0085
11	3	Unbiased	12.514	12.504	-0.0102
12	10	Unbiased	12.411	12.443	0.0326
13	10	Unbiased	12.436	12.441	0.0045
14	10	Unbiased	12.496	12.498	0.0024
15	10	Unbiased	12.789	12.812	0.023
16	10	Unbiased	12.621	12.655	0.0344
17	10	Biased	12.697	12.746	0.0485
18	10	Biased	12.56	12.583	0.0221
19	10	Biased	12.466	12.525	0.0596
20	10	Biased	12.595	12.531	-0.0635
21	10	Biased	12.674	12.672	-0.0026
22	30	Biased	12.572	12.585	0.0135
23	30	Biased	12.438	12.489	0.0513
24	30	Biased	12.36	12.308	-0.052
25	30	Biased	12.57	12.604	0.0332
26	30	Biased	12.706	12.727	0.0213
27	30	Unbiased	12.573	12.612	0.039
28	30	Unbiased	12.666	12.71	0.0442
29	30	Unbiased	12.503	12.447	-0.0567
30	30	Unbiased	12.716	12.696	-0.0195
31	30	Unbiased	12.68	12.701	0.0213
32	50	Biased	12.458	12.613	0.1546
33	50	Biased	12.521	12.656	0.135
34	50	Biased	12.383	12.507	0.1247
35	50	Biased	12.473	12.527	0.0538
36	50	Biased	12.536	12.552	0.0162
37	50	Unbiased	12.345	12.407	0.0611
39	50	Unbiased	12.608	12.632	0.024
40	50	Unbiased	12.476	12.457	-0.0193
41	50	Unbiased	12.341	12.345	0.0046
42	50	Unbiased	12.771	12.781	0.0099
43	100	Biased	12.551	12.664	0.1132
44	100	Biased	12.895	12.958	0.0631
45	100	Biased	12.822	12.934	0.112
46	100	Biased	12.682	12.652	-0.03
47	100	Biased	12.828	12.826	-0.002
48	100	Unbiased	12.672	12.82	0.1479
49	100	Unbiased	12.436	12.497	0.061
50	100	Unbiased	12.371	12.395	0.0246
51	100	Unbiased	12.494	12.616	0.1219
52	100	Unbiased	12.777	12.651	-0.1259
53	0	Correlation	12.691	12.698	0.0072
54	0	Correlation	12.5	12.498	-0.0021
55	0	Correlation	12.499	12.578	0.0785
56	0	Correlation	12.522	12.426	-0.0967

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	12.499	12.553	12.691	0.092695	12.426	12.55	12.698	0.11697	-0.0967	-0.003275	0.0785	0.071941
3	12.418	12.558	12.825	0.13237	12.418	12.563	12.841	0.13899	-0.0834	0.00513	0.0827	0.042619
10	12.411	12.574	12.789	0.12378	12.441	12.591	12.812	0.12672	-0.0635	0.0161	0.0596	0.034385
30	12.36	12.578	12.716	0.1184	12.308	12.588	12.727	0.13649	-0.0567	0.00956	0.0513	0.038992
50	12.341	12.491	12.771	0.13006	12.345	12.548	12.781	0.12855	-0.0193	0.05646	0.1546	0.061243
100	12.371	12.653	12.895	0.18163	12.395	12.701	12.958	0.18228	-0.1259	0.04858	0.1479	0.084034

Device Test: 5.69; DLY_TMR_1MOHM

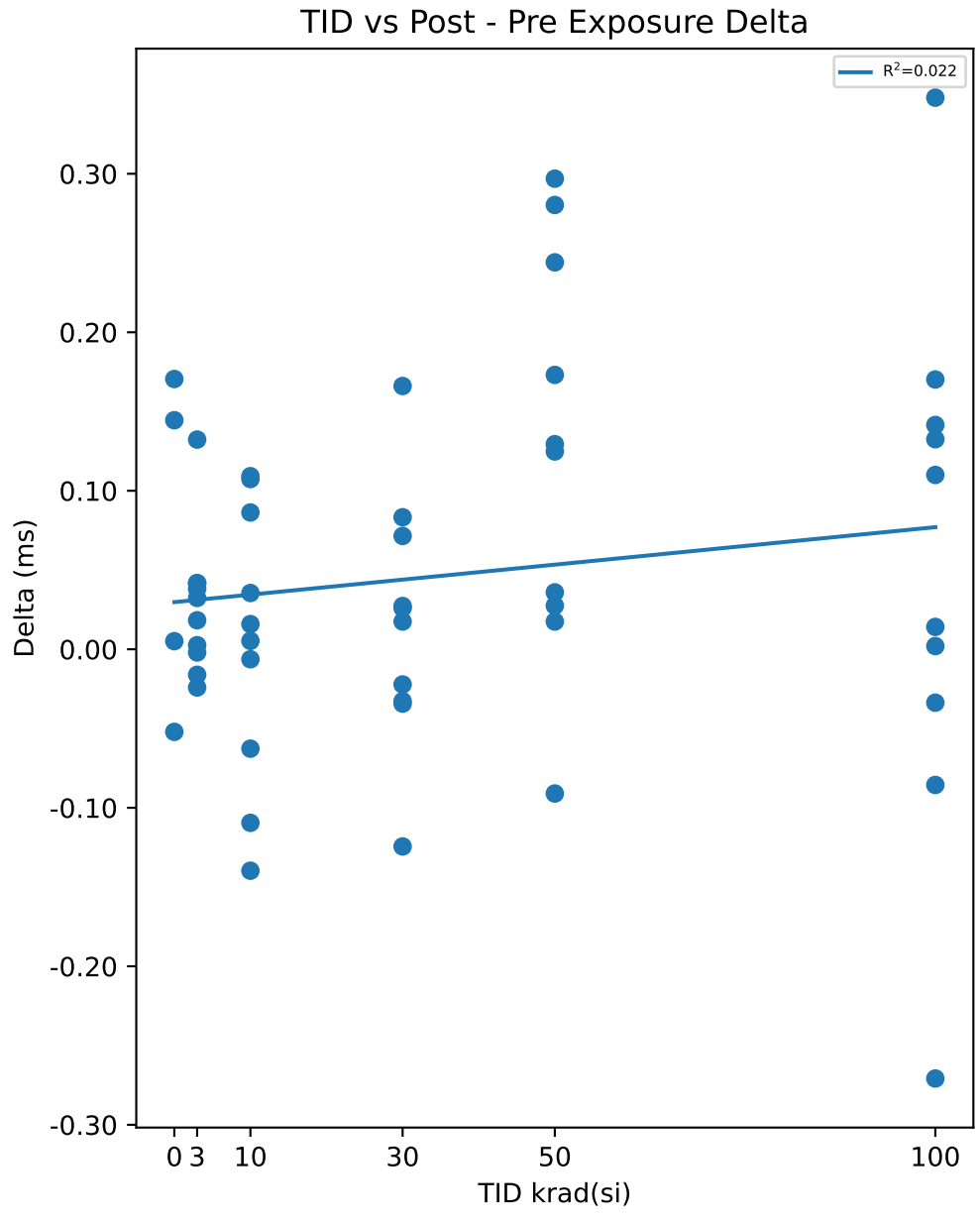
TID vs Result Stats



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

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.784	23.787	0.0026
3	3	Biased	23.712	23.754	0.0416
4	3	Biased	23.514	23.532	0.0183
5	3	Biased	24.39	24.389	-0.002
6	3	Biased	24.031	24.063	0.0324
7	3	Unbiased	23.558	23.542	-0.0161
8	3	Unbiased	24.109	24.241	0.1323
9	3	Unbiased	23.558	23.534	-0.0241
10	3	Unbiased	23.536	23.577	0.0418
11	3	Unbiased	23.792	23.83	0.0381
12	10	Unbiased	23.465	23.5	0.0355
13	10	Unbiased	23.475	23.491	0.0159
14	10	Unbiased	23.708	23.713	0.0053
15	10	Unbiased	24.253	24.361	0.1074
16	10	Unbiased	23.983	24.092	0.1092
17	10	Biased	24.106	24.192	0.0863
18	10	Biased	23.824	23.715	-0.1095
19	10	Biased	23.809	23.746	-0.0627
20	10	Biased	23.954	23.814	-0.1397
21	10	Biased	24.065	24.059	-0.0063
22	30	Biased	24.033	24.011	-0.0222
23	30	Biased	23.532	23.603	0.0715
24	30	Biased	23.564	23.531	-0.0327
25	30	Biased	23.84	23.858	0.0175
26	30	Biased	24.089	24.115	0.026
27	30	Unbiased	24.079	24.245	0.1661
28	30	Unbiased	24.039	24.122	0.0833
29	30	Unbiased	23.682	23.557	-0.1244
30	30	Unbiased	24.179	24.145	-0.0343
31	30	Unbiased	24.126	24.153	0.0273
32	50	Biased	23.808	23.981	0.1731
33	50	Biased	23.741	24.021	0.2803
34	50	Biased	23.652	23.949	0.2969
35	50	Biased	23.636	23.88	0.2441
36	50	Biased	23.978	24.005	0.0275
37	50	Unbiased	23.357	23.486	0.1294
39	50	Unbiased	23.879	23.788	-0.091
40	50	Unbiased	23.479	23.604	0.1248
41	50	Unbiased	23.379	23.415	0.0359
42	50	Unbiased	24.277	24.294	0.0175
43	100	Biased	24.025	24.135	0.11
44	100	Biased	24.241	24.383	0.1415
45	100	Biased	24.37	24.54	0.1702
46	100	Biased	24.262	24.264	0.002
47	100	Biased	24.457	24.424	-0.0337
48	100	Unbiased	24.099	24.447	0.348
49	100	Unbiased	23.623	23.537	-0.0856
50	100	Unbiased	23.598	23.612	0.0141
51	100	Unbiased	23.659	23.792	0.1325
52	100	Unbiased	24.243	23.973	-0.2708
53	0	Correlation	24.199	24.147	-0.0521
54	0	Correlation	23.673	23.817	0.1445
55	0	Correlation	23.675	23.846	0.1705
56	0	Correlation	23.75	23.755	0.0051

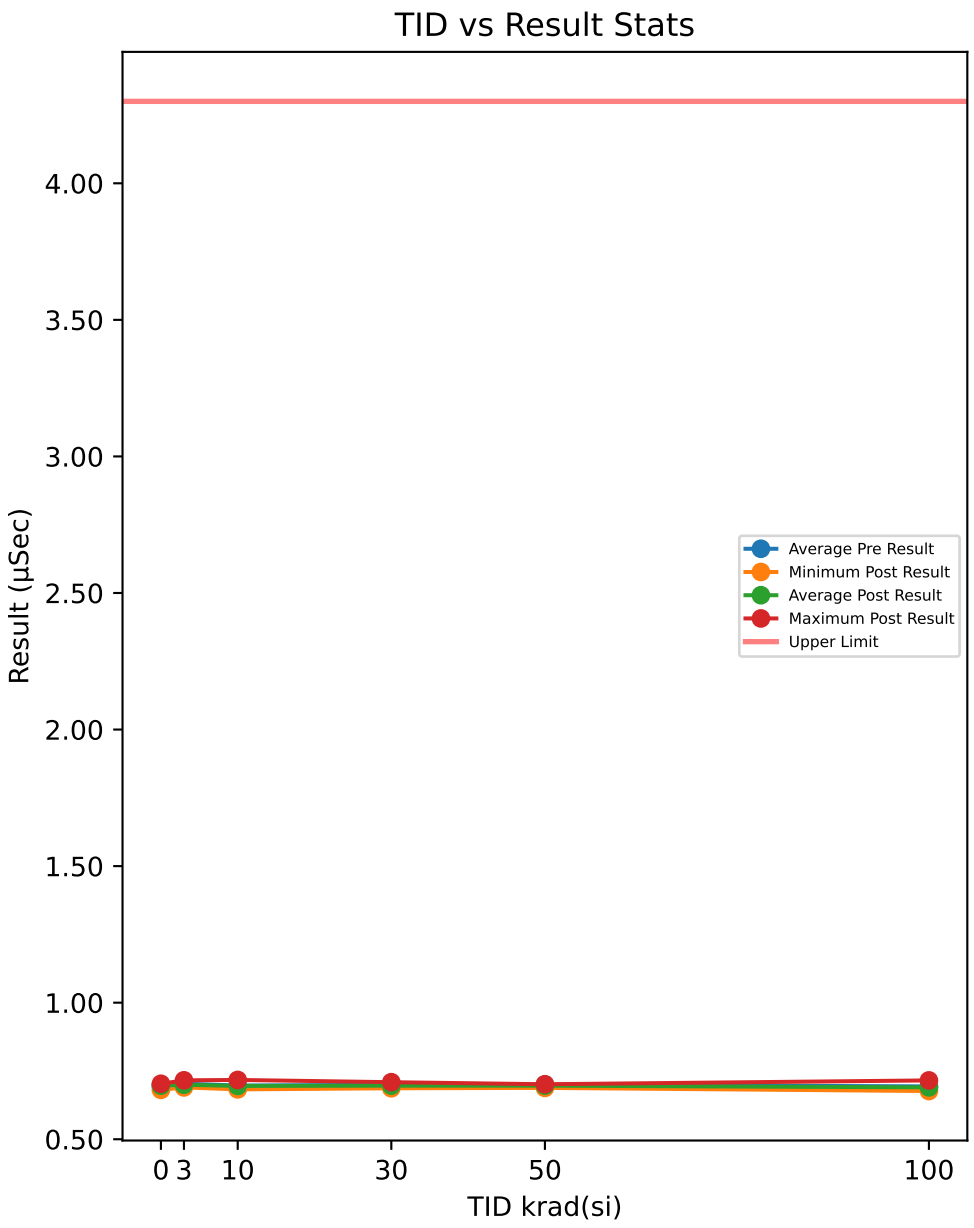
TID vs Post - Pre Exposure Delta

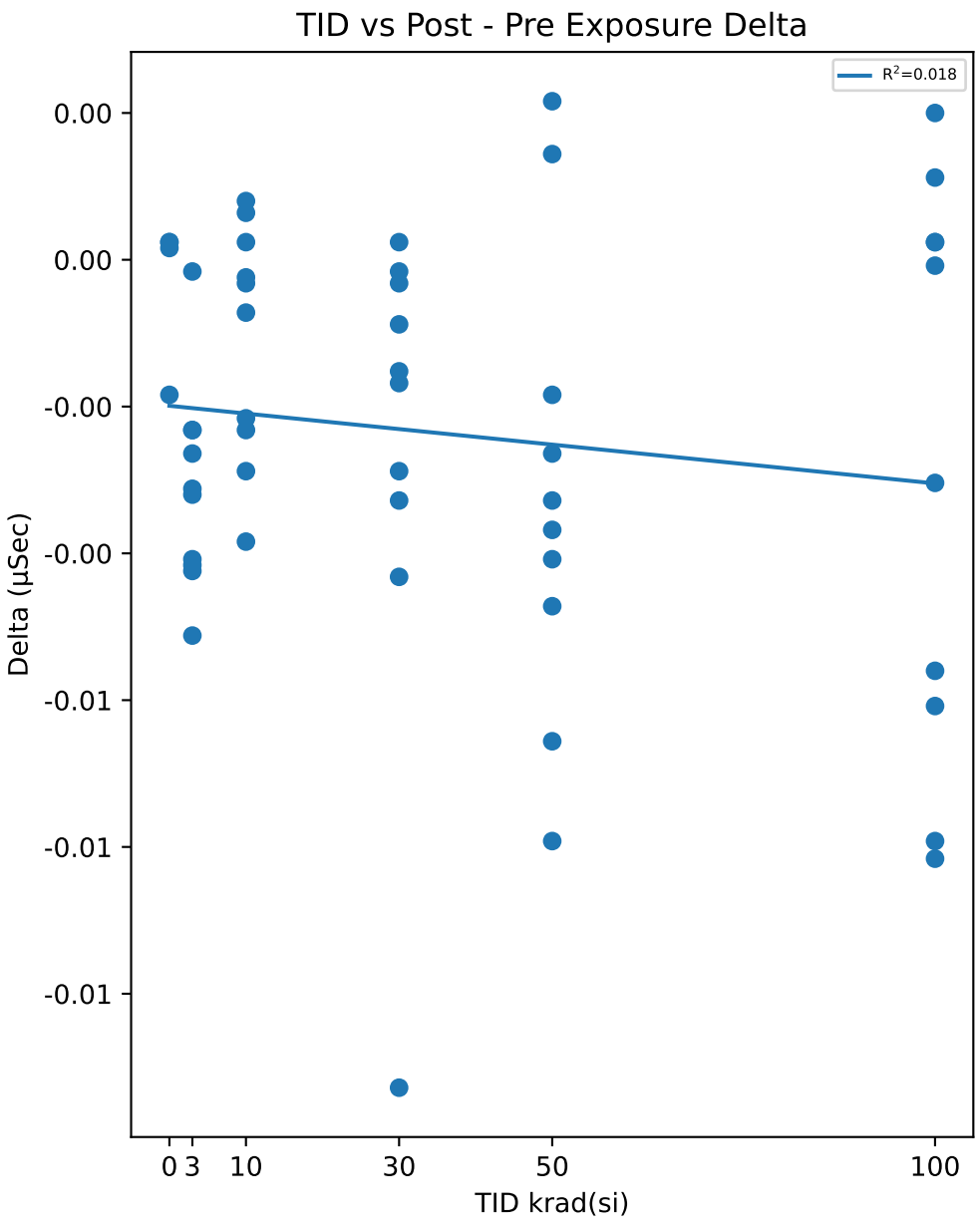


Test Statistics (ms)

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	23.673	23.824	24.199	0.25236	23.755	23.891	24.147	0.17454	-0.0521	0.067	0.1705	0.1076
3	23.514	23.798	24.39	0.29331	23.532	23.825	24.389	0.3102	-0.0241	0.02649	0.1323	0.044286
10	23.465	23.864	24.253	0.26088	23.491	23.868	24.361	0.29386	-0.1397	0.00414	0.1092	0.086765
30	23.532	23.916	24.179	0.24287	23.531	23.934	24.245	0.27541	-0.1244	0.01781	0.1661	0.079169
50	23.357	23.719	24.277	0.28445	23.415	23.842	24.294	0.27176	-0.091	0.12385	0.2969	0.12729
100	23.598	24.058	24.457	0.3213	23.537	24.111	24.54	0.36387	-0.2708	0.05282	0.348	0.16794

Device Test: 5.7; PROPD_RESET





Test Results (Upper Limit = 4.3 (µSec))

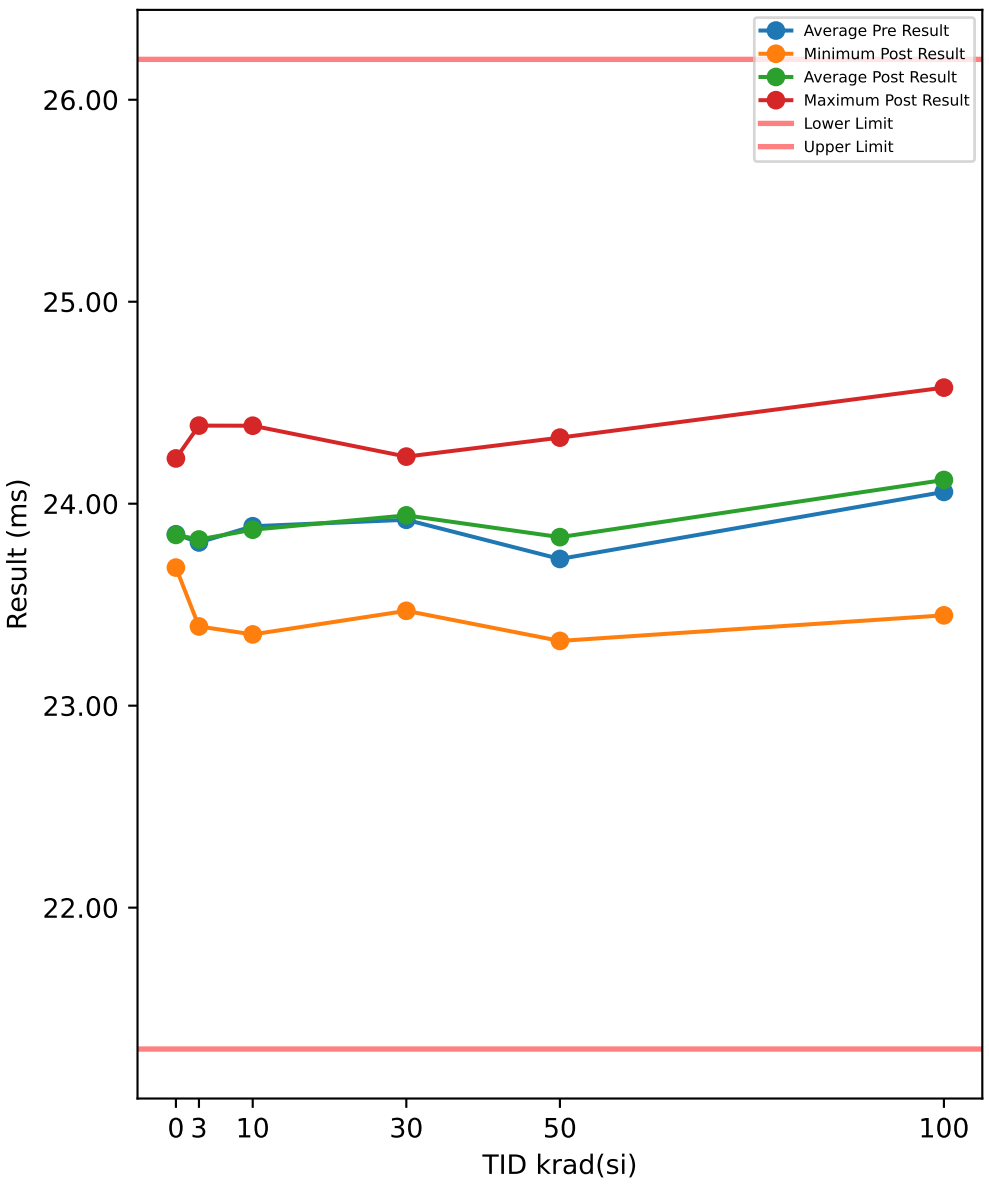
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.709	0.7026	-0.0064
3	3	Biased	0.7055	0.7022	-0.0033
4	3	Biased	0.7192	0.7141	-0.0051
5	3	Biased	0.6951	0.6898	-0.0053
6	3	Biased	0.694	0.6938	-0.0002
7	3	Unbiased	0.7039	0.6987	-0.0052
8	3	Unbiased	0.6949	0.6909	-0.004
9	3	Unbiased	0.697	0.6931	-0.0039
10	3	Unbiased	0.7186	0.7157	-0.0029
11	3	Unbiased	0.6976	0.6947	-0.0029
12	10	Unbiased	0.7003	0.7006	0.0003
13	10	Unbiased	0.6843	0.6834	-0.0009
14	10	Unbiased	0.6967	0.6963	-0.0004
15	10	Unbiased	0.7018	0.697	-0.0048
16	10	Unbiased	0.6961	0.6932	-0.0029
17	10	Biased	0.6858	0.6831	-0.0027
18	10	Biased	0.6816	0.6826	0.001
19	10	Biased	0.7174	0.7171	-0.0003
20	10	Biased	0.6859	0.6867	0.0008
21	10	Biased	0.7151	0.7115	-0.0036
22	30	Biased	0.6911	0.6875	-0.0036
23	30	Biased	0.7009	0.7012	0.0003
24	30	Biased	0.6907	0.6866	-0.0041
25	30	Biased	0.6996	0.6985	-0.0011
26	30	Biased	0.7043	0.7024	-0.0019
27	30	Unbiased	0.711	0.7089	-0.0021
28	30	Unbiased	0.6958	0.6904	-0.0054
29	30	Unbiased	0.6998	0.6994	-0.0004
30	30	Unbiased	0.7092	0.6951	-0.0141
31	30	Unbiased	0.6923	0.6921	-0.0002
32	50	Biased	0.7087	0.6988	-0.0099
33	50	Biased	0.6977	0.6995	0.0018
34	50	Biased	0.7013	0.699	-0.0023
35	50	Biased	0.6913	0.688	-0.0033
36	50	Biased	0.7022	0.6976	-0.0046
37	50	Unbiased	0.7072	0.7013	-0.0059
39	50	Unbiased	0.6955	0.6982	0.0027
40	50	Unbiased	0.7026	0.6985	-0.0041
41	50	Unbiased	0.698	0.6898	-0.0082
42	50	Unbiased	0.6954	0.6903	-0.0051
43	100	Biased	0.6927	0.6941	0.0014
44	100	Biased	0.6859	0.6821	-0.0038
45	100	Biased	0.6794	0.6819	0.0025
46	100	Biased	0.7151	0.7154	0.0003
47	100	Biased	0.6887	0.6886	-0.0001
48	100	Unbiased	0.6835	0.6765	-0.007
49	100	Unbiased	0.6916	0.684	-0.0076
50	100	Unbiased	0.7074	0.6972	-0.0102
51	100	Unbiased	0.6936	0.6837	-0.0099
52	100	Unbiased	0.6957	0.696	0.0003
53	0	Correlation	0.6996	0.6999	0.0003
54	0	Correlation	0.7054	0.7031	-0.0023
55	0	Correlation	0.7005	0.7008	0.0003
56	0	Correlation	0.6806	0.6808	0.0002

Test Statistics (µSec)

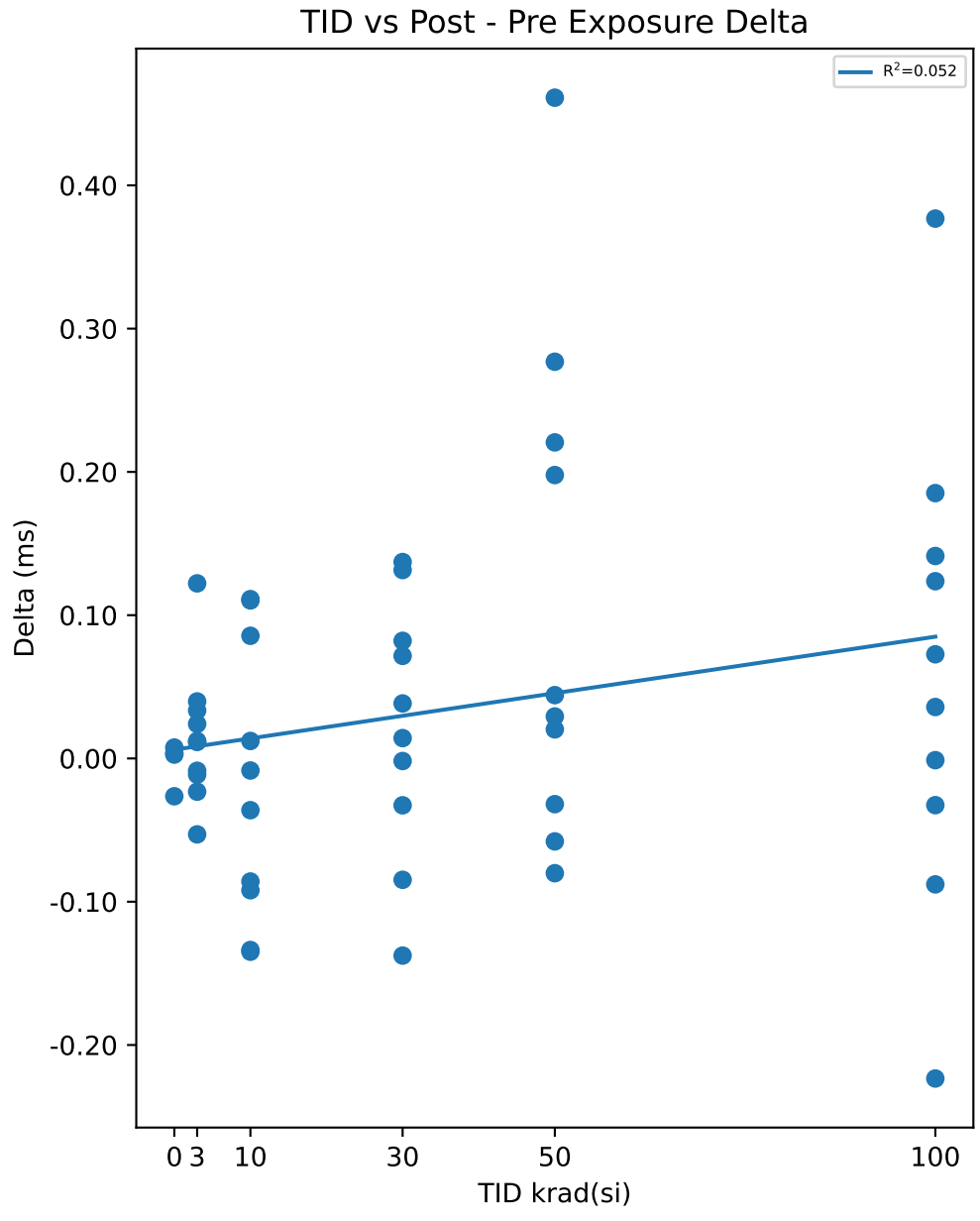
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6806	0.69653	0.7054	0.010918	0.6808	0.69615	0.7031	0.010322	-0.0023	-0.000375	0.0003	0.0012842
3	0.694	0.70348	0.7192	0.0095495	0.6898	0.69956	0.7157	0.0091751	-0.0064	-0.00392	-0.0002	0.0017447
10	0.6816	0.6965	0.7174	0.012575	0.6826	0.69515	0.7171	0.012016	-0.0048	-0.00135	0.001	0.0020073
30	0.6907	0.69947	0.711	0.0071877	0.6866	0.69621	0.7089	0.0071474	-0.0141	-0.00326	0.0003	0.0042293
50	0.6913	0.69999	0.7087	0.0054488	0.688	0.6961	0.7013	0.0047803	-0.0099	-0.00389	0.0027	0.003936
100	0.6794	0.69336	0.7151	0.010792	0.6765	0.68995	0.7154	0.011243	-0.0102	-0.00341	0.0025	0.0048918

Device Test: 5.70; DLY_TMR_1MOHM

TID vs Result Stats



TID vs Post - Pre Exposure Delta



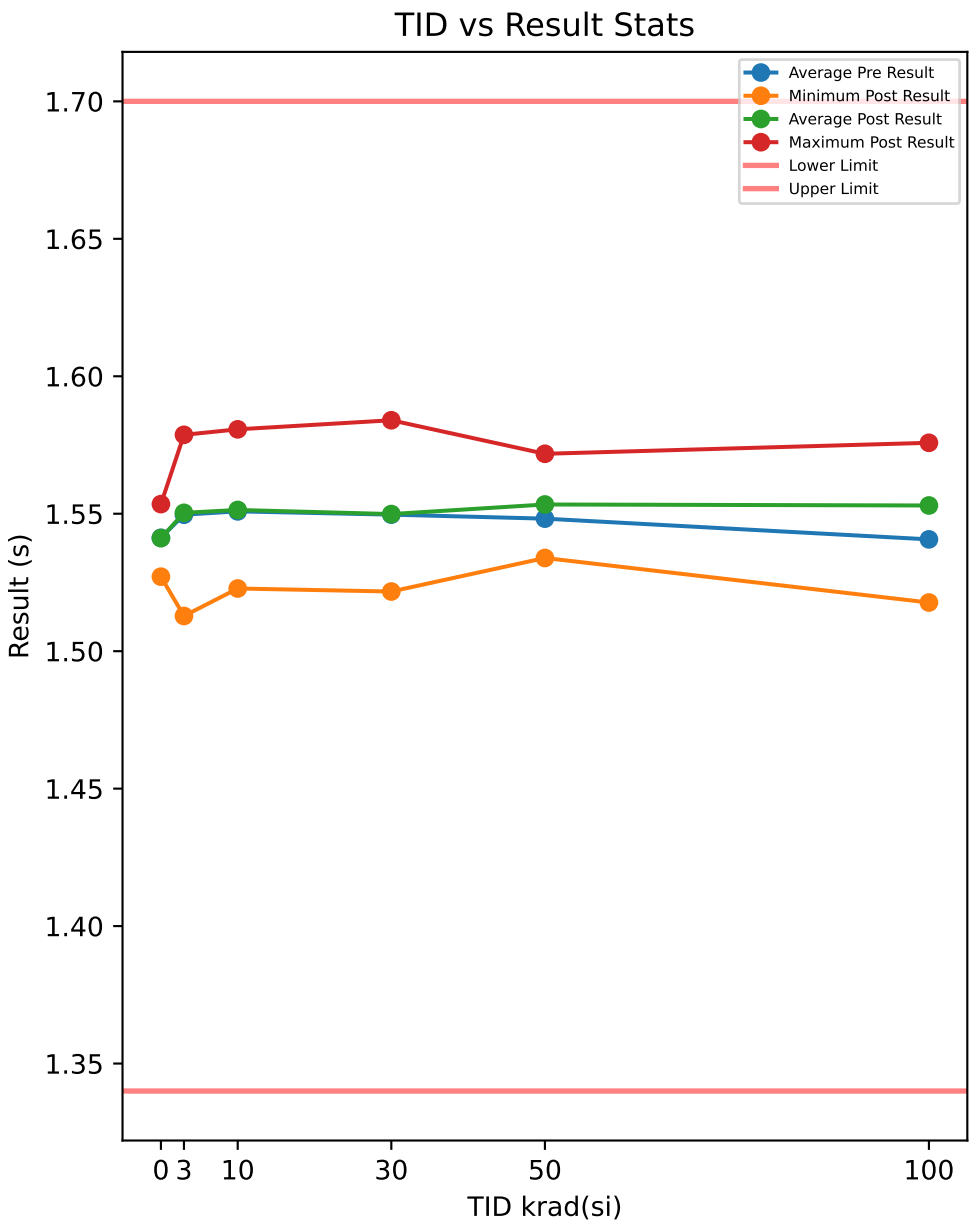
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

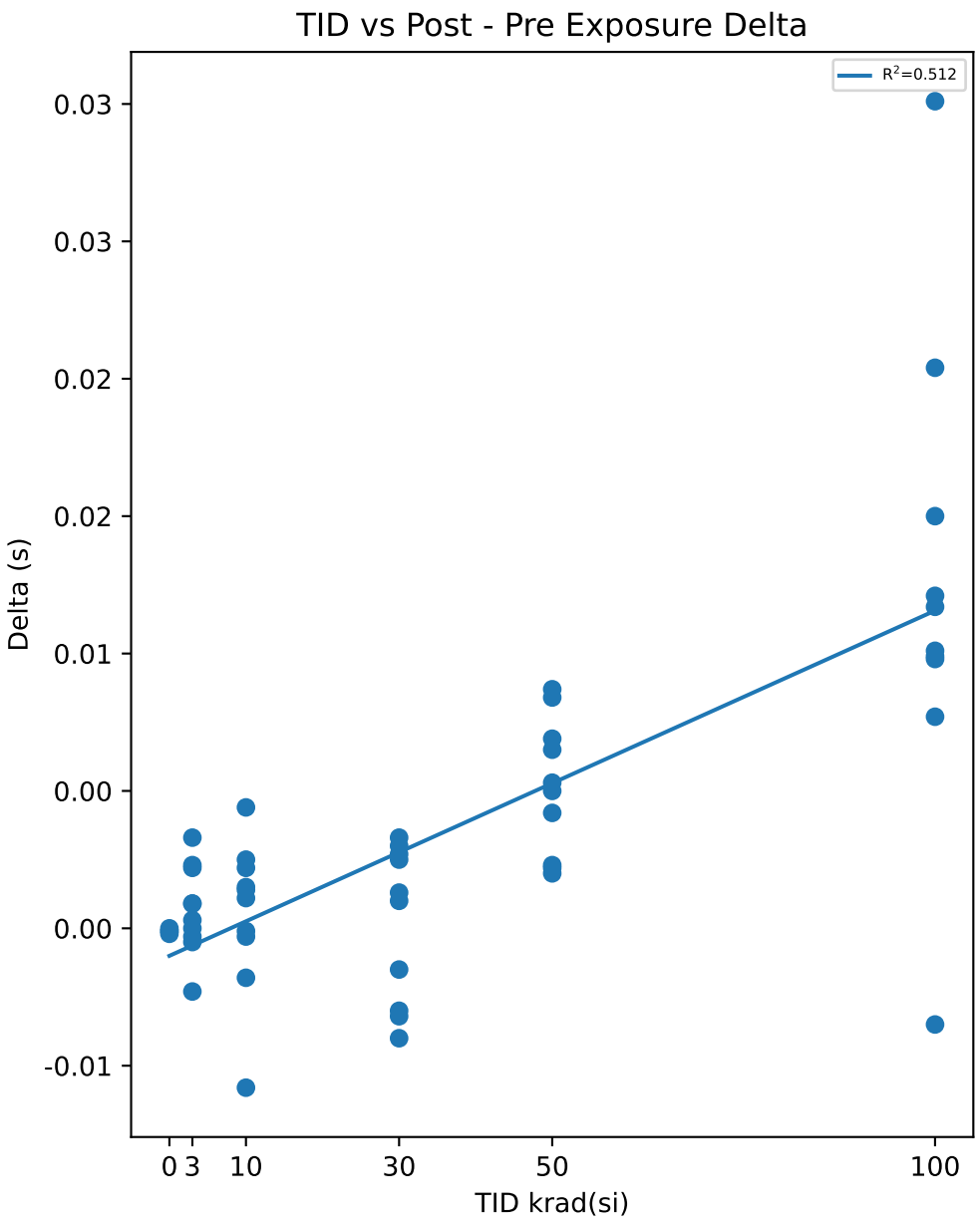
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.805	23.829	0.0241
3	3	Biased	23.756	23.789	0.0335
4	3	Biased	23.538	23.529	-0.0086
5	3	Biased	24.41	24.387	-0.0232
6	3	Biased	24.072	24.084	0.0122
7	3	Unbiased	23.404	23.392	-0.0113
8	3	Unbiased	24.143	24.265	0.1222
9	3	Unbiased	23.58	23.527	-0.053
10	3	Unbiased	23.56	23.571	0.0115
11	3	Unbiased	23.815	23.855	0.0398
12	10	Unbiased	23.487	23.353	-0.1337
13	10	Unbiased	23.499	23.49	-0.0084
14	10	Unbiased	23.73	23.743	0.0122
15	10	Unbiased	24.276	24.386	0.1103
16	10	Unbiased	24.002	24.113	0.1112
17	10	Biased	24.126	24.211	0.0856
18	10	Biased	23.846	23.754	-0.092
19	10	Biased	23.831	23.745	-0.0859
20	10	Biased	23.974	23.839	-0.1349
21	10	Biased	24.114	24.078	-0.0361
22	30	Biased	24.056	24.054	-0.0018
23	30	Biased	23.554	23.47	-0.0847
24	30	Biased	23.405	23.542	0.1371
25	30	Biased	23.863	23.877	0.0142
26	30	Biased	24.111	24.183	0.0716
27	30	Unbiased	24.102	24.233	0.1315
28	30	Unbiased	24.061	24.143	0.0821
29	30	Unbiased	23.705	23.567	-0.1376
30	30	Unbiased	24.199	24.167	-0.0327
31	30	Unbiased	24.148	24.186	0.0384
32	50	Biased	23.832	24.03	0.1978
33	50	Biased	23.764	24.041	0.2769
34	50	Biased	23.511	23.972	0.4612
35	50	Biased	23.663	23.884	0.2206
36	50	Biased	24.002	24.046	0.0442
37	50	Unbiased	23.378	23.321	-0.0579
39	50	Unbiased	23.9	23.82	-0.0801
40	50	Unbiased	23.499	23.467	-0.0319
41	50	Unbiased	23.417	23.437	0.0203
42	50	Unbiased	24.298	24.327	0.0293
43	100	Biased	24.048	24.121	0.0727
44	100	Biased	24.262	24.404	0.1413
45	100	Biased	24.39	24.575	0.1852
46	100	Biased	24.274	24.31	0.0359
47	100	Biased	24.477	24.444	-0.0326
48	100	Unbiased	24.118	24.495	0.3768
49	100	Unbiased	23.622	23.534	-0.0879
50	100	Unbiased	23.448	23.447	-0.0012
51	100	Unbiased	23.683	23.807	0.1237
52	100	Unbiased	24.262	24.039	-0.2234
53	0	Correlation	24.216	24.224	0.0076
54	0	Correlation	23.693	23.695	0.0027
55	0	Correlation	23.71	23.684	-0.0264
56	0	Correlation	23.775	23.779	0.0037

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	23.693	23.849	24.216	0.24782	23.684	23.846	24.224	0.25593	-0.0264	-0.0031	0.0076	0.015677
3	23.404	23.808	24.41	0.31571	23.392	23.823	24.387	0.33441	-0.053	0.01472	0.1222	0.047003
10	23.487	23.888	24.276	0.26262	23.353	23.871	24.386	0.32367	-0.1349	-0.01717	0.1112	0.095656
30	23.405	23.92	24.199	0.2761	23.47	23.942	24.233	0.30431	-0.1376	0.02181	0.1371	0.089477
50	23.378	23.726	24.298	0.29143	23.321	23.834	24.327	0.32438	-0.0801	0.10804	0.4612	0.17463
100	23.448	24.058	24.477	0.3531	23.447	24.117	24.575	0.40417	-0.2234	0.05905	0.3768	0.16396

Device Test: 5.71; WD_TMR_1MOHM





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

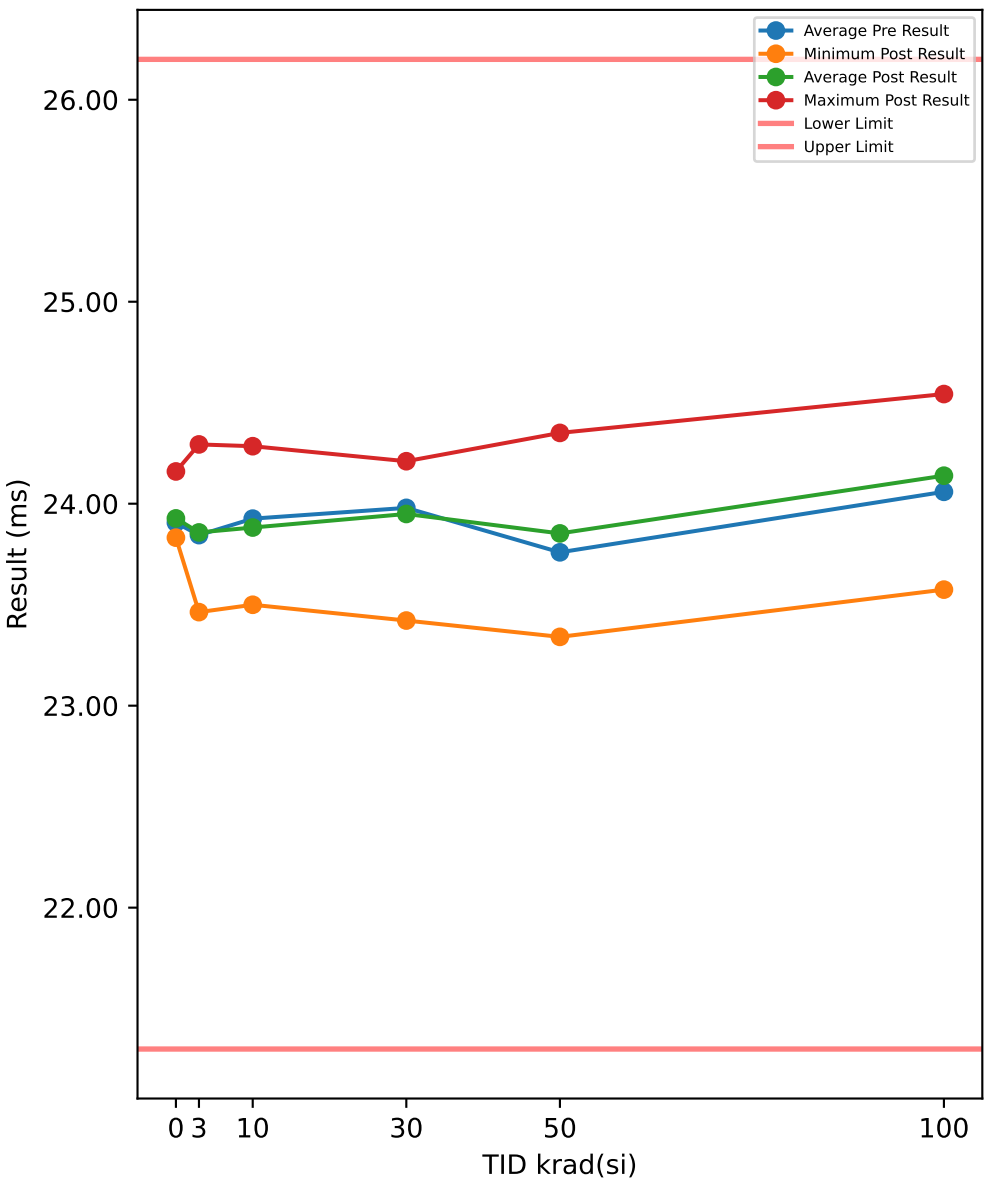
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.552	1.5529	0.0009
3	3	Biased	1.5563	1.5563	0
4	3	Biased	1.5516	1.5511	-0.0005
5	3	Biased	1.5105	1.5128	0.0023
6	3	Biased	1.5754	1.5787	0.0033
7	3	Unbiased	1.5452	1.5429	-0.0023
8	3	Unbiased	1.5377	1.5399	0.0022
9	3	Unbiased	1.5617	1.5626	0.0009
10	3	Unbiased	1.5512	1.5509	-0.0003
11	3	Unbiased	1.5549	1.5552	0.0003
12	10	Unbiased	1.5491	1.5433	-0.0058
13	10	Unbiased	1.581	1.5807	-0.0003
14	10	Unbiased	1.5446	1.5471	0.0025
15	10	Unbiased	1.5349	1.5363	0.0014
16	10	Unbiased	1.5347	1.5369	0.0022
17	10	Biased	1.5577	1.5621	0.0044
18	10	Biased	1.5217	1.5228	0.0011
19	10	Biased	1.5615	1.5614	-0.0001
20	10	Biased	1.5541	1.5523	-0.0018
21	10	Biased	1.5693	1.5708	0.0015
22	30	Biased	1.5275	1.526	-0.0015
23	30	Biased	1.5247	1.5217	-0.003
24	30	Biased	1.588	1.584	-0.004
25	30	Biased	1.537	1.5397	0.0027
26	30	Biased	1.5568	1.5581	0.0013
27	30	Unbiased	1.5525	1.5535	0.001
28	30	Unbiased	1.5684	1.5709	0.0025
29	30	Unbiased	1.5391	1.5424	0.0033
30	30	Unbiased	1.5498	1.5528	0.003
31	30	Unbiased	1.5529	1.5497	-0.0032
32	50	Biased	1.5322	1.5387	0.0065
33	50	Biased	1.5297	1.5339	0.0042
34	50	Biased	1.5468	1.5521	0.0053
35	50	Biased	1.5521	1.5571	0.005
36	50	Biased	1.5618	1.5641	0.0023
37	50	Unbiased	1.5487	1.5571	0.0084
39	50	Unbiased	1.5375	1.5395	0.002
40	50	Unbiased	1.5492	1.5514	0.0022
41	50	Unbiased	1.5649	1.5718	0.0069
42	50	Unbiased	1.5592	1.5679	0.0087
43	100	Biased	1.5261	1.5465	0.0204
44	100	Biased	1.5564	1.5529	-0.0035
45	100	Biased	1.5545	1.5695	0.015
46	100	Biased	1.5288	1.5389	0.0101
47	100	Biased	1.5436	1.5553	0.0117
48	100	Unbiased	1.548	1.5557	0.0077
49	100	Unbiased	1.5547	1.5645	0.0098
50	100	Unbiased	1.5411	1.5532	0.0121
51	100	Unbiased	1.5457	1.5758	0.0301
52	100	Unbiased	1.5078	1.5177	0.0099
53	0	Correlation	1.5536	1.5535	-0.0001
54	0	Correlation	1.5273	1.5271	-0.0002
55	0	Correlation	1.5347	1.5347	0
56	0	Correlation	1.5493	1.5492	-0.0001

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	1.5273	1.5412	1.5536	0.012313	1.5271	1.5411	1.5535	0.012333	-0.0002	-0.0001	0	8.165e-05
3	1.5105	1.5496	1.5754	0.016955	1.5128	1.5503	1.5787	0.01698	-0.0023	0.00068	0.0033	0.001624
10	1.5217	1.5509	1.581	0.017724	1.5228	1.5514	1.5807	0.017608	-0.0058	0.00051	0.0044	0.0027938
30	1.5247	1.5497	1.588	0.01908	1.5217	1.5499	1.584	0.018913	-0.004	0.00021	0.0033	0.0028513
50	1.5297	1.5482	1.5649	0.012092	1.5339	1.5534	1.5718	0.012849	0.002	0.00515	0.0087	0.0024888
100	1.5078	1.5407	1.5564	0.015481	1.5177	1.553	1.5758	0.016412	-0.0035	0.01233	0.0301	0.0086781

Device Test: 5.72; DLY_TMR_1MOHM

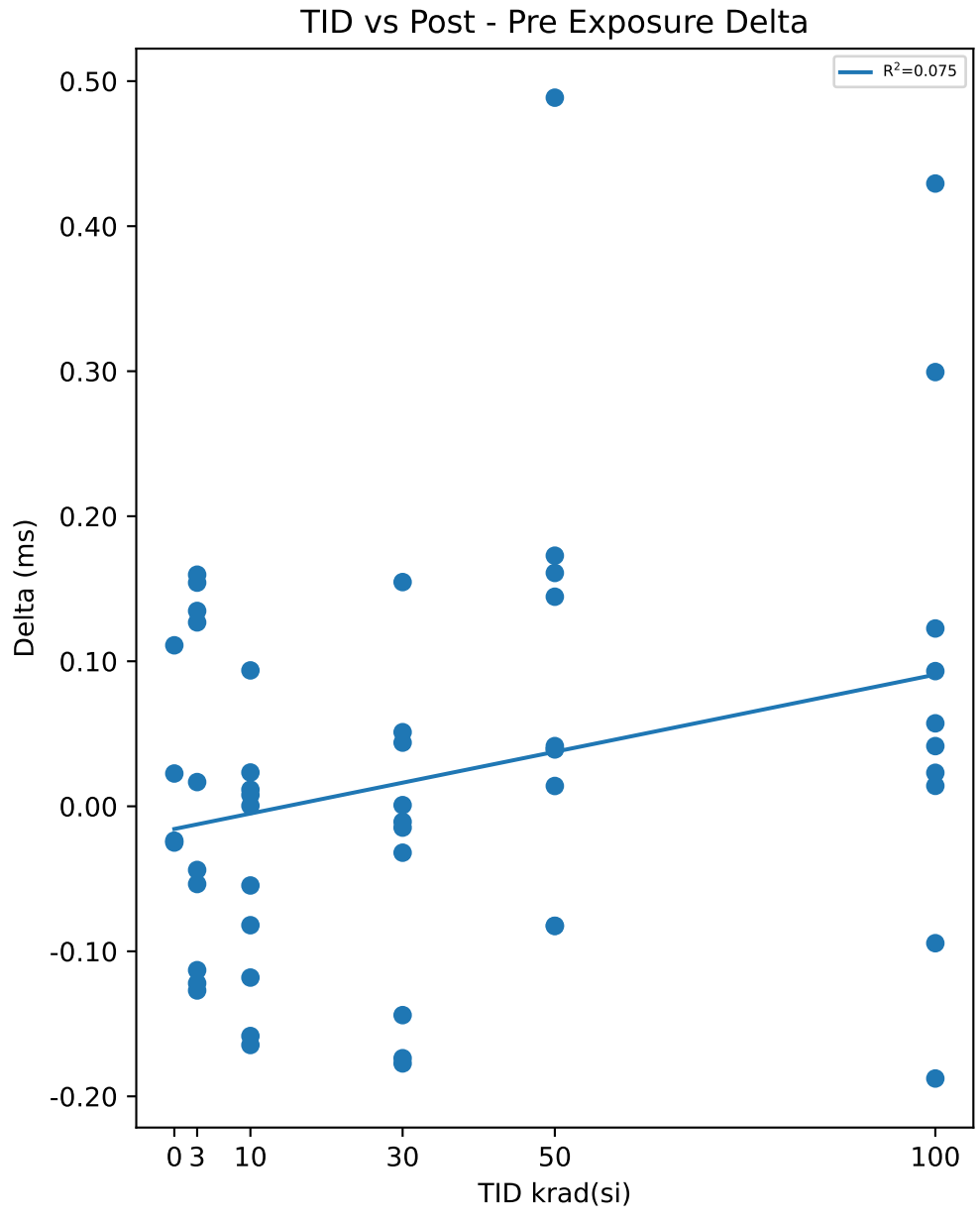
TID vs Result Stats



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

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.896	23.843	-0.0536
3	3	Biased	23.826	23.843	0.0167
4	3	Biased	23.664	23.537	-0.127
5	3	Biased	24.416	24.294	-0.122
6	3	Biased	24.031	24.158	0.1268
7	3	Unbiased	23.507	23.463	-0.0439
8	3	Unbiased	24.121	24.275	0.1542
9	3	Unbiased	23.643	23.53	-0.113
10	3	Unbiased	23.549	23.684	0.1347
11	3	Unbiased	23.791	23.951	0.1597
12	10	Unbiased	23.49	23.513	0.0233
13	10	Unbiased	23.664	23.5	-0.1646
14	10	Unbiased	23.819	23.764	-0.0546
15	10	Unbiased	24.284	24.285	0.0004
16	10	Unbiased	24.053	24.065	0.0115
17	10	Biased	24.07	24.163	0.0937
18	10	Biased	23.948	23.83	-0.1181
19	10	Biased	23.936	23.854	-0.082
20	10	Biased	23.952	23.794	-0.1584
21	10	Biased	24.045	24.053	0.0078
22	30	Biased	24.018	24.019	0.0008
23	30	Biased	23.706	23.533	-0.1737
24	30	Biased	23.566	23.422	-0.144
25	30	Biased	23.834	23.988	0.1546
26	30	Biased	24.156	24.145	-0.0107
27	30	Unbiased	24.136	24.187	0.0511
28	30	Unbiased	24.162	24.206	0.0439
29	30	Unbiased	23.772	23.594	-0.1773
30	30	Unbiased	24.242	24.21	-0.032
31	30	Unbiased	24.201	24.187	-0.0147
32	50	Biased	23.895	24.04	0.1445
33	50	Biased	23.872	24.045	0.1728
34	50	Biased	23.57	24.059	0.4886
35	50	Biased	23.779	23.94	0.1609
36	50	Biased	24.025	24.039	0.014
37	50	Unbiased	23.306	23.345	0.0392
39	50	Unbiased	23.939	23.857	-0.0824
40	50	Unbiased	23.596	23.513	-0.0825
41	50	Unbiased	23.299	23.341	0.0415
42	50	Unbiased	24.311	24.351	0.0395
43	100	Biased	24.092	24.106	0.0141
44	100	Biased	24.166	24.466	0.2994
45	100	Biased	24.42	24.543	0.1226
46	100	Biased	24.187	24.244	0.0572
47	100	Biased	24.439	24.462	0.0231
48	100	Unbiased	24.046	24.475	0.4294
49	100	Unbiased	23.683	23.588	-0.0944
50	100	Unbiased	23.533	23.575	0.0415
51	100	Unbiased	23.792	23.886	0.0932
52	100	Unbiased	24.23	24.042	-0.1877
53	0	Correlation	24.183	24.16	-0.0237
54	0	Correlation	23.809	23.832	0.0226
55	0	Correlation	23.722	23.833	0.111
56	0	Correlation	23.909	23.884	-0.025

TID vs Post - Pre Exposure Delta

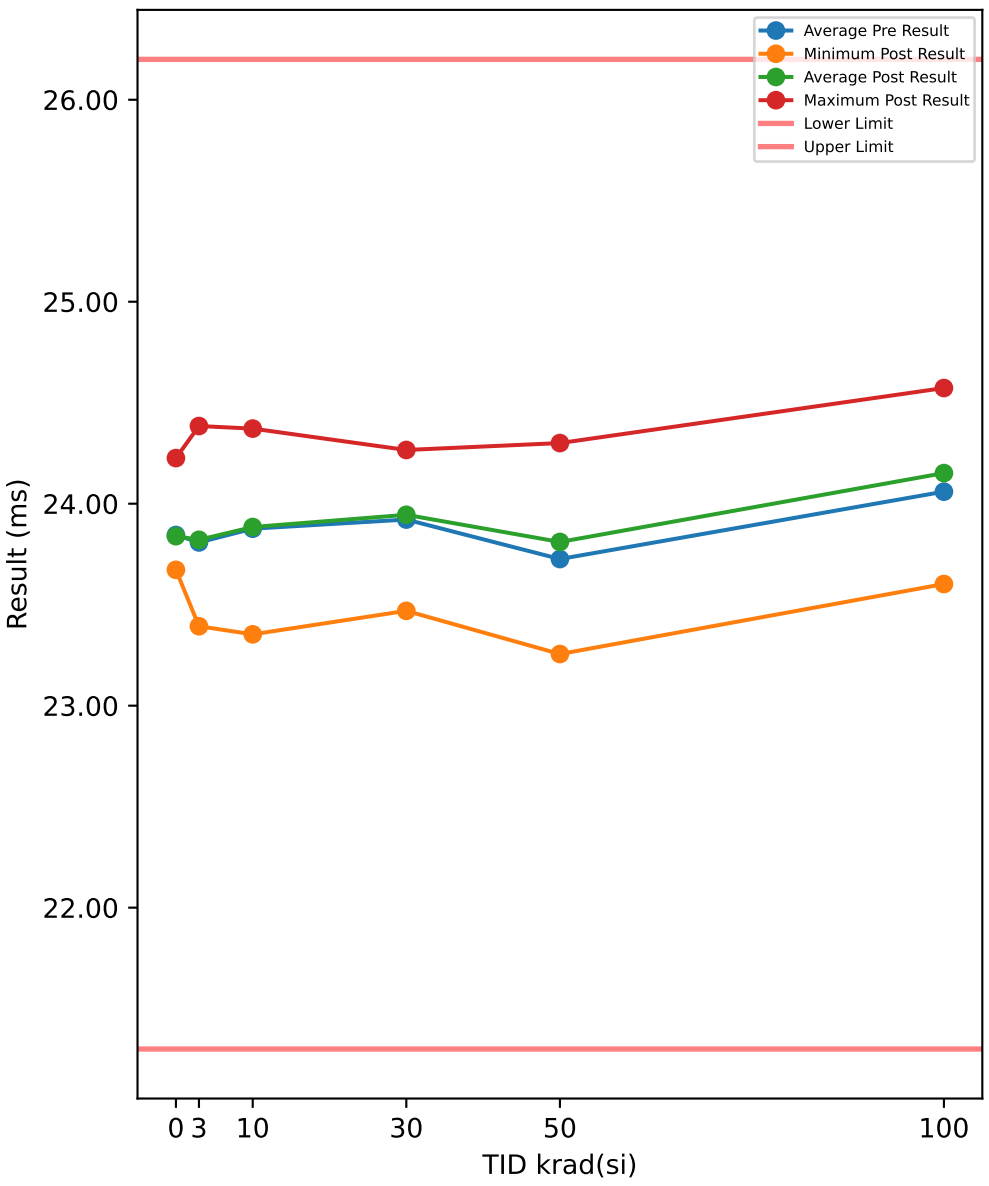


Test Statistics (ms)

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	23.722	23.906	24.183	0.20008	23.832	23.927	24.16	0.15686	-0.025	0.021225	0.111	0.063813
3	23.507	23.845	24.416	0.2823	23.463	23.858	24.294	0.30904	-0.127	0.01326	0.1597	0.12047
10	23.49	23.926	24.284	0.22385	23.5	23.882	24.285	0.26064	-0.1646	-0.0441	0.0937	0.085573
30	23.566	23.979	24.242	0.24017	23.422	23.949	24.21	0.31088	-0.1773	-0.0302	0.1546	0.10699
50	23.299	23.759	24.311	0.31951	23.341	23.853	24.351	0.33993	-0.0825	0.09361	0.4886	0.16544
100	23.533	24.059	24.439	0.30229	23.575	24.139	24.543	0.36434	-0.1877	0.07984	0.4294	0.1776

Device Test: 5.73; DLY_TMR_1MOHM

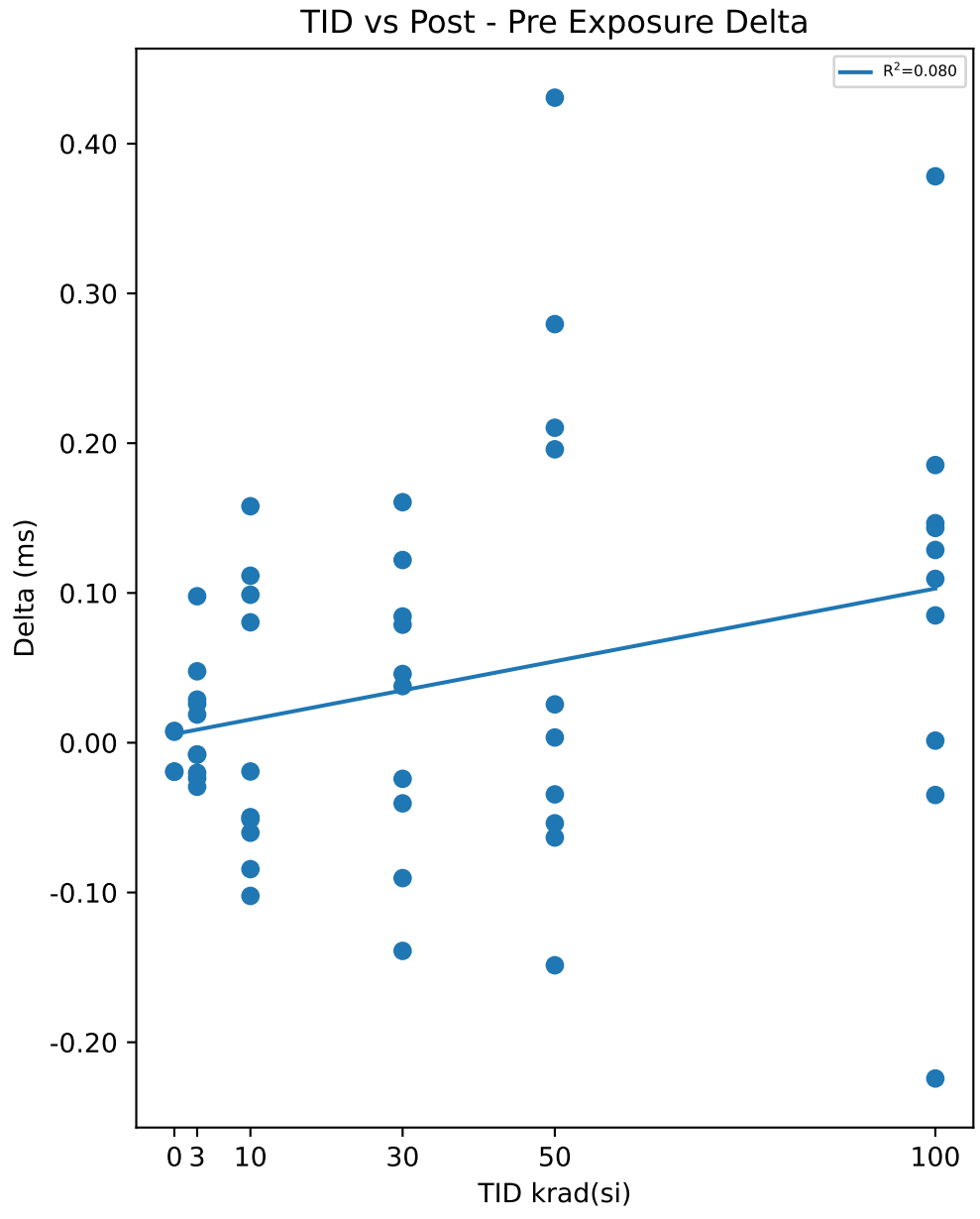
TID vs Result Stats



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

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.809	23.789	-0.0201
3	3	Biased	23.761	23.809	0.0477
4	3	Biased	23.542	23.534	-0.0079
5	3	Biased	24.408	24.384	-0.0237
6	3	Biased	24.061	24.08	0.0188
7	3	Unbiased	23.401	23.393	-0.0079
8	3	Unbiased	24.142	24.24	0.0978
9	3	Unbiased	23.58	23.55	-0.0294
10	3	Unbiased	23.557	23.586	0.0288
11	3	Unbiased	23.821	23.847	0.0259
12	10	Unbiased	23.403	23.353	-0.0497
13	10	Unbiased	23.503	23.661	0.1579
14	10	Unbiased	23.733	23.714	-0.0192
15	10	Unbiased	24.273	24.372	0.0988
16	10	Unbiased	24.003	24.114	0.1115
17	10	Biased	24.127	24.207	0.0804
18	10	Biased	23.845	23.761	-0.0844
19	10	Biased	23.838	23.778	-0.0601
20	10	Biased	23.928	23.826	-0.1023
21	10	Biased	24.111	24.06	-0.0511
22	30	Biased	24.062	24.038	-0.0241
23	30	Biased	23.56	23.47	-0.0904
24	30	Biased	23.406	23.528	0.122
25	30	Biased	23.86	23.905	0.0459
26	30	Biased	24.109	24.188	0.0788
27	30	Unbiased	24.105	24.266	0.1606
28	30	Unbiased	24.06	24.144	0.0843
29	30	Unbiased	23.704	23.565	-0.139
30	30	Unbiased	24.201	24.16	-0.0405
31	30	Unbiased	24.148	24.186	0.0378
32	50	Biased	23.835	24.03	0.1959
33	50	Biased	23.763	24.042	0.2795
34	50	Biased	23.515	23.946	0.4307
35	50	Biased	23.665	23.875	0.2103
36	50	Biased	24.003	24.029	0.0256
37	50	Unbiased	23.378	23.324	-0.0538
39	50	Unbiased	23.9	23.837	-0.0633
40	50	Unbiased	23.501	23.467	-0.0345
41	50	Unbiased	23.404	23.256	-0.1486
42	50	Unbiased	24.297	24.3	0.0035
43	100	Biased	24.048	24.158	0.1094
44	100	Biased	24.261	24.404	0.1434
45	100	Biased	24.387	24.573	0.1854
46	100	Biased	24.28	24.281	0.0014
47	100	Biased	24.48	24.445	-0.0349
48	100	Unbiased	24.12	24.498	0.3782
49	100	Unbiased	23.623	23.708	0.085
50	100	Unbiased	23.456	23.602	0.1466
51	100	Unbiased	23.68	23.809	0.1287
52	100	Unbiased	24.262	24.038	-0.2242
53	0	Correlation	24.218	24.226	0.0079
54	0	Correlation	23.692	23.673	-0.0192
55	0	Correlation	23.694	23.701	0.0073
56	0	Correlation	23.777	23.757	-0.0194

TID vs Post - Pre Exposure Delta

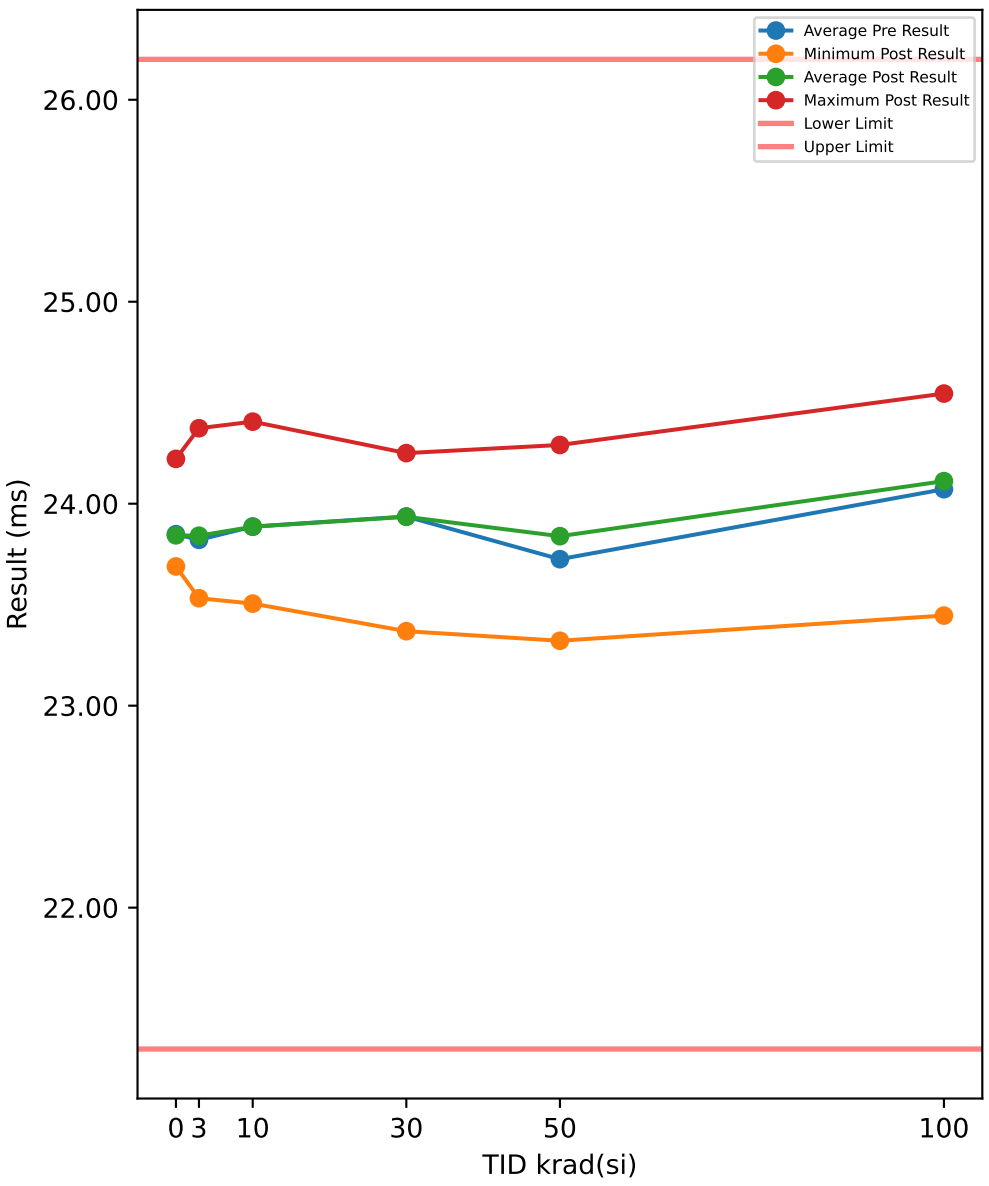


Test Statistics (ms)

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	23.692	23.845	24.218	0.25176	23.673	23.839	24.226	0.26018	-0.0194	-0.00585	0.0079	0.015533
3	23.401	23.808	24.408	0.31442	23.393	23.821	24.384	0.32588	-0.0294	0.013	0.0978	0.039382
10	23.403	23.876	24.273	0.27486	23.353	23.885	24.372	0.3012	-0.1023	0.00818	0.1579	0.094028
30	23.406	23.921	24.201	0.27595	23.47	23.945	24.266	0.3093	-0.139	0.02354	0.1606	0.095278
50	23.378	23.726	24.297	0.29241	23.256	23.811	24.3	0.34572	-0.1486	0.08453	0.4307	0.18427
100	23.456	24.06	24.48	0.35225	23.602	24.152	24.573	0.34846	-0.2242	0.0919	0.3782	0.15714

Device Test: 5.74; DLY_TMR_1MOHM

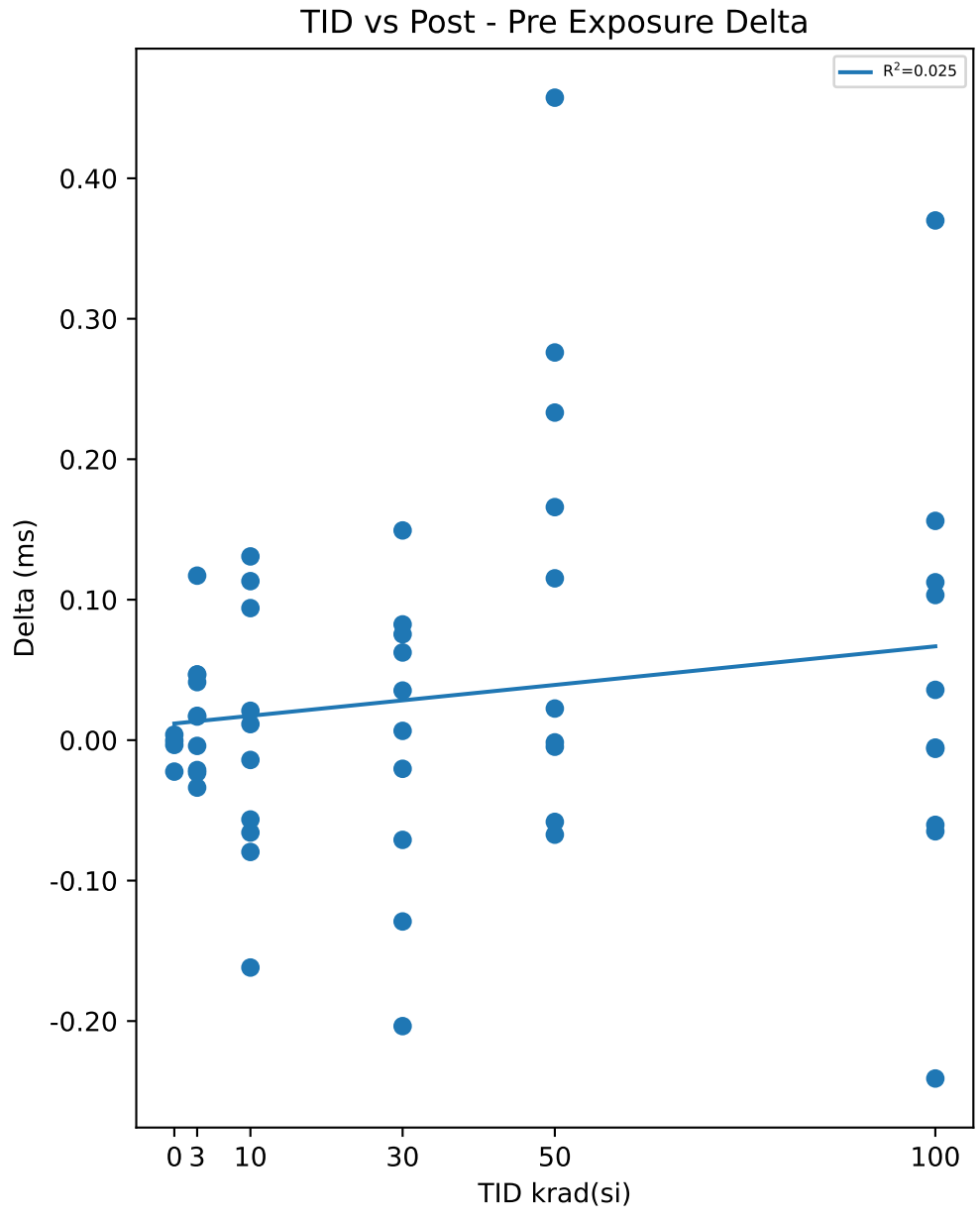
TID vs Result Stats



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

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.805	23.822	0.0168
3	3	Biased	23.757	23.804	0.0468
4	3	Biased	23.536	23.532	-0.0041
5	3	Biased	24.407	24.374	-0.0338
6	3	Biased	24.063	24.081	0.0173
7	3	Unbiased	23.565	23.544	-0.0213
8	3	Unbiased	24.139	24.256	0.1171
9	3	Unbiased	23.575	23.552	-0.0231
10	3	Unbiased	23.552	23.599	0.0466
11	3	Unbiased	23.811	23.852	0.0413
12	10	Unbiased	23.485	23.505	0.0209
13	10	Unbiased	23.501	23.512	0.0114
14	10	Unbiased	23.731	23.717	-0.0141
15	10	Unbiased	24.275	24.406	0.1308
16	10	Unbiased	23.998	24.111	0.1132
17	10	Biased	24.123	24.217	0.094
18	10	Biased	23.841	23.762	-0.0796
19	10	Biased	23.831	23.765	-0.0658
20	10	Biased	23.97	23.808	-0.1619
21	10	Biased	24.112	24.056	-0.0565
22	30	Biased	24.055	24.035	-0.0204
23	30	Biased	23.56	23.622	0.0624
24	30	Biased	23.572	23.369	-0.2036
25	30	Biased	23.86	23.866	0.0066
26	30	Biased	24.108	24.183	0.0754
27	30	Unbiased	24.101	24.25	0.1493
28	30	Unbiased	24.058	24.14	0.0824
29	30	Unbiased	23.705	23.576	-0.1291
30	30	Unbiased	24.197	24.126	-0.071
31	30	Unbiased	24.149	24.184	0.0353
32	50	Biased	23.833	23.999	0.1659
33	50	Biased	23.764	24.04	0.276
34	50	Biased	23.508	23.966	0.4574
35	50	Biased	23.662	23.896	0.2332
36	50	Biased	24.002	24.025	0.0225
37	50	Unbiased	23.38	23.321	-0.0582
39	50	Unbiased	23.9	23.833	-0.0673
40	50	Unbiased	23.5	23.615	0.1152
41	50	Unbiased	23.409	23.407	-0.0016
42	50	Unbiased	24.296	24.291	-0.0047
43	100	Biased	24.048	24.151	0.1033
44	100	Biased	24.261	24.373	0.1124
45	100	Biased	24.389	24.545	0.1561
46	100	Biased	24.27	24.306	0.0358
47	100	Biased	24.477	24.416	-0.0603
48	100	Unbiased	24.118	24.488	0.37
49	100	Unbiased	23.622	23.557	-0.0649
50	100	Unbiased	23.451	23.446	-0.0053
51	100	Unbiased	23.821	23.814	-0.0062
52	100	Unbiased	24.261	24.02	-0.2409
53	0	Correlation	24.218	24.222	0.0039
54	0	Correlation	23.693	23.689	-0.0034
55	0	Correlation	23.71	23.709	-0.0004
56	0	Correlation	23.776	23.754	-0.0224

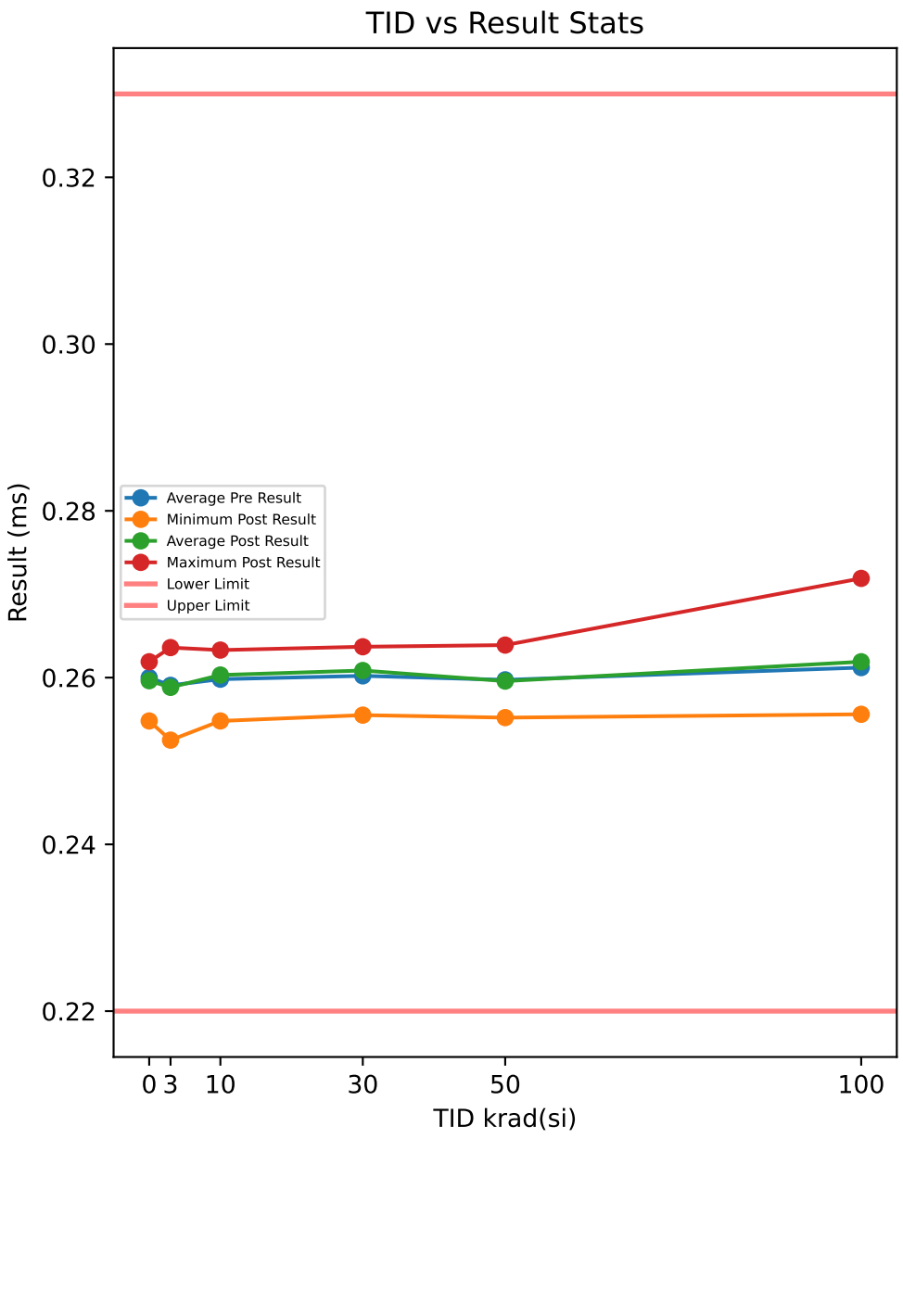
TID vs Post - Pre Exposure Delta

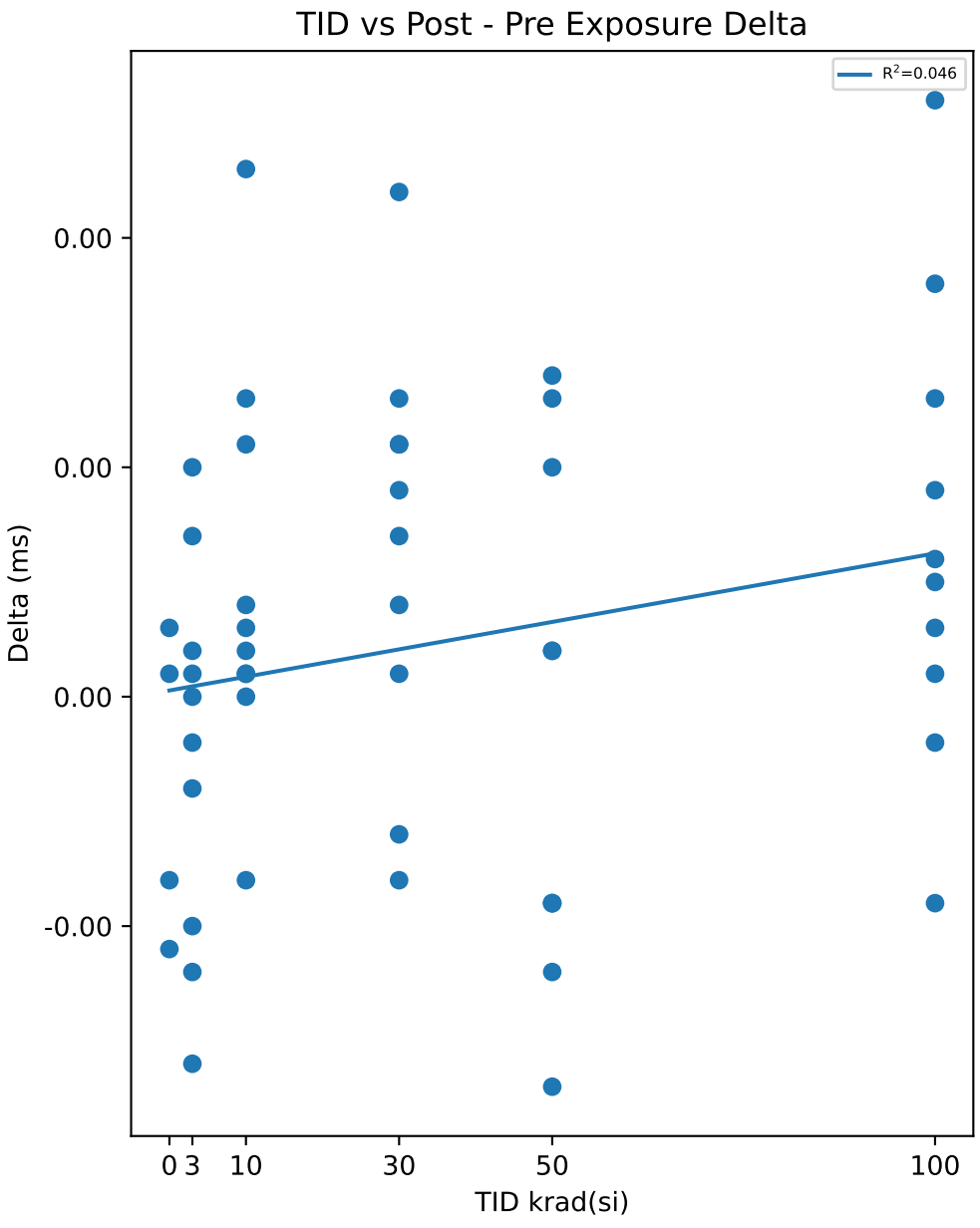


Test Statistics (ms)

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	23.693	23.849	24.218	0.24855	23.689	23.844	24.222	0.25368	-0.0224	-0.005575	0.0039	0.01161
3	23.536	23.821	24.407	0.29584	23.532	23.842	24.374	0.30577	-0.0338	0.02036	0.1171	0.04517
10	23.485	23.887	24.275	0.26179	23.505	23.886	24.406	0.29975	-0.1619	-0.00076	0.1308	0.094038
30	23.56	23.936	24.197	0.2432	23.369	23.935	24.25	0.30985	-0.2036	-0.00127	0.1493	0.10724
50	23.38	23.725	24.296	0.29191	23.321	23.839	24.291	0.30332	-0.0673	0.11384	0.4574	0.16978
100	23.451	24.072	24.477	0.33803	23.446	24.112	24.545	0.3912	-0.2409	0.04	0.37	0.16186

Device Test: 5.75; DLY_TMR_10KOHM





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

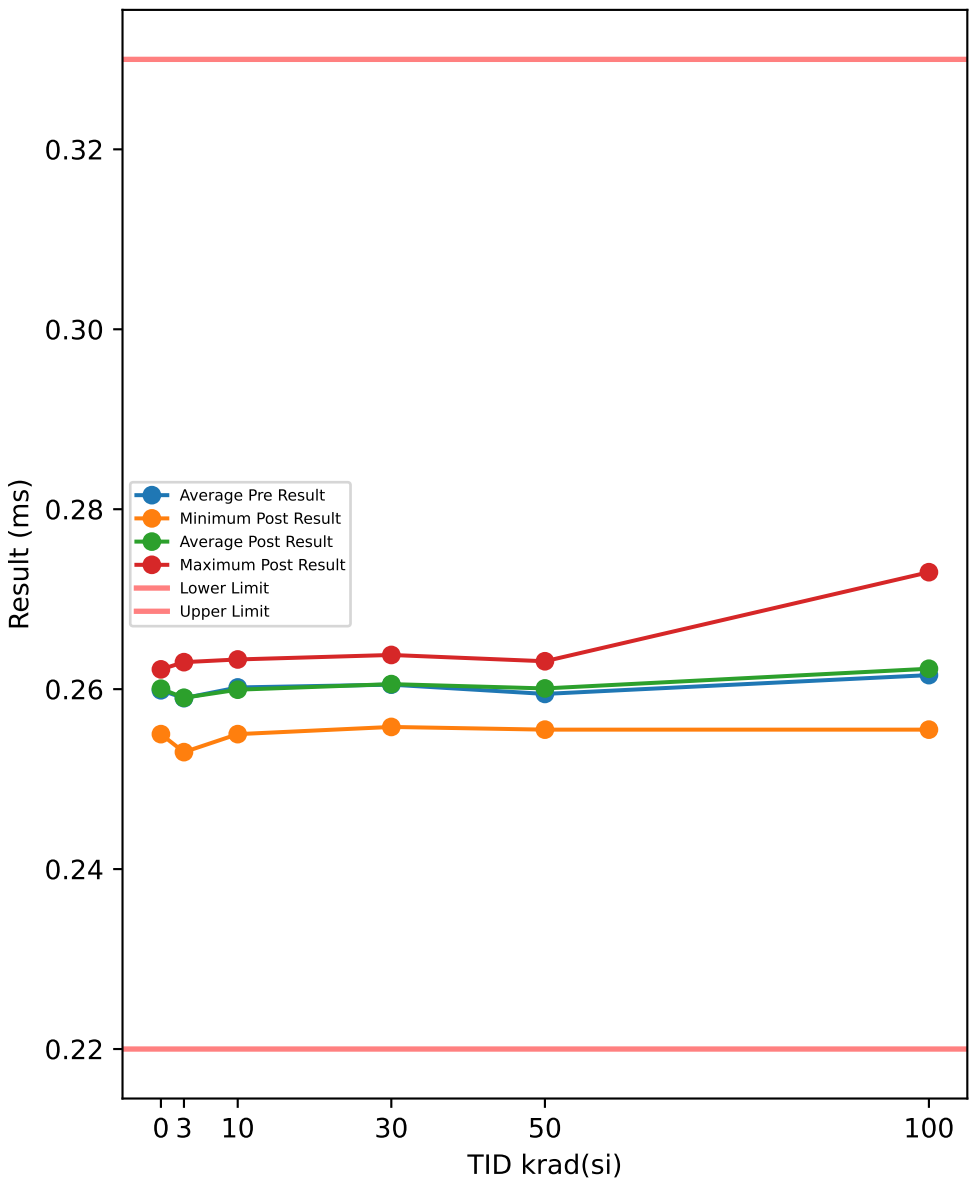
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2558	0.2559	0.0001
3	3	Biased	0.2541	0.2525	-0.0016
4	3	Biased	0.2529	0.2536	0.0007
5	3	Biased	0.2633	0.2629	-0.0004
6	3	Biased	0.2611	0.2621	0.001
7	3	Unbiased	0.2634	0.2636	0.0002
8	3	Unbiased	0.2635	0.2623	-0.0012
9	3	Unbiased	0.2618	0.2608	-0.001
10	3	Unbiased	0.2613	0.2613	0
11	3	Unbiased	0.2535	0.2533	-0.0002
12	10	Unbiased	0.2601	0.2624	0.0023
13	10	Unbiased	0.2563	0.2564	0.0001
14	10	Unbiased	0.2562	0.2563	0.0001
15	10	Unbiased	0.2624	0.2624	0
16	10	Unbiased	0.2616	0.2618	0.0002
17	10	Biased	0.2634	0.2626	-0.0008
18	10	Biased	0.261	0.2621	0.0011
19	10	Biased	0.2545	0.2548	0.0003
20	10	Biased	0.2606	0.261	0.0004
21	10	Biased	0.262	0.2633	0.0013
22	30	Biased	0.2546	0.2568	0.0022
23	30	Biased	0.2621	0.2622	0.0001
24	30	Biased	0.2544	0.2555	0.0011
25	30	Biased	0.2612	0.2625	0.0013
26	30	Biased	0.2645	0.2637	-0.0008
27	30	Unbiased	0.2562	0.2556	-0.0006
28	30	Unbiased	0.2624	0.2635	0.0011
29	30	Unbiased	0.2628	0.2635	0.0007
30	30	Unbiased	0.2611	0.262	0.0009
31	30	Unbiased	0.2628	0.2632	0.0004
32	50	Biased	0.2555	0.2565	0.001
33	50	Biased	0.2623	0.2611	-0.0012
34	50	Biased	0.2538	0.2552	0.0014
35	50	Biased	0.2566	0.2568	0.0002
36	50	Biased	0.2548	0.2561	0.0013
37	50	Unbiased	0.2622	0.2605	-0.0017
39	50	Unbiased	0.2637	0.2639	0.0002
40	50	Unbiased	0.2624	0.2615	-0.0009
41	50	Unbiased	0.2633	0.2624	-0.0009
42	50	Unbiased	0.2627	0.2618	-0.0009
43	100	Biased	0.2565	0.2556	-0.0009
44	100	Biased	0.2721	0.2719	-0.0002
45	100	Biased	0.2619	0.2645	0.0026
46	100	Biased	0.2566	0.2569	0.0003
47	100	Biased	0.263	0.2648	0.0018
48	100	Unbiased	0.2618	0.2624	0.0006
49	100	Unbiased	0.2602	0.2611	0.0009
50	100	Unbiased	0.256	0.2561	0.0001
51	100	Unbiased	0.2606	0.2611	0.0005
52	100	Unbiased	0.2633	0.2646	0.0013
53	0	Correlation	0.261	0.2602	-0.0008
54	0	Correlation	0.2627	0.2616	-0.0011
55	0	Correlation	0.2618	0.2619	0.0001
56	0	Correlation	0.2545	0.2548	0.0003

Test Statistics (ms)

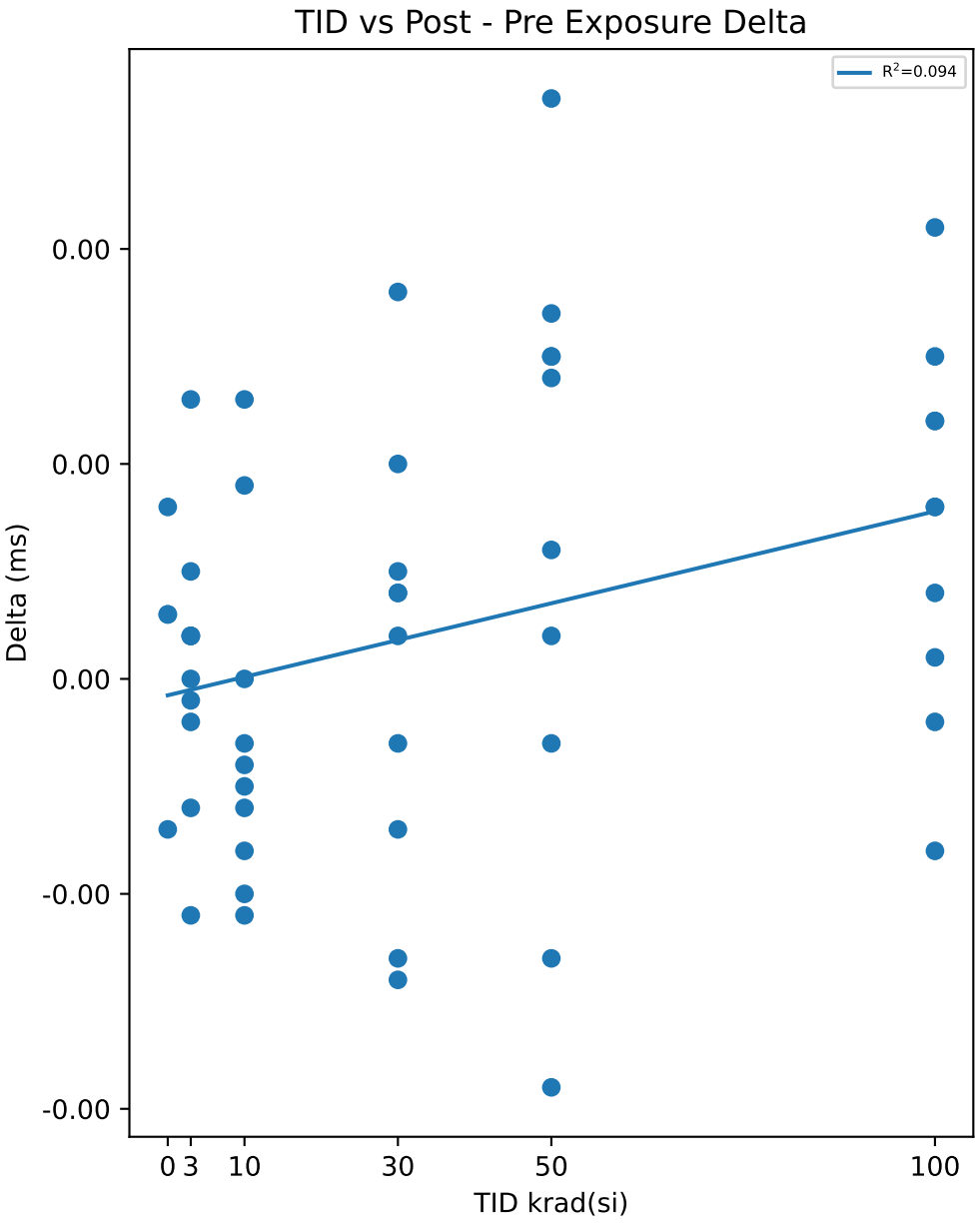
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2545	0.26	0.2627	0.0037318	0.2548	0.25962	0.2619	0.0033009	-0.0011	-0.000375	0.0003	0.00068007
3	0.2529	0.25907	0.2635	0.0044385	0.2525	0.25883	0.2636	0.004455	-0.0016	-0.00024	0.001	0.00082758
10	0.2545	0.25981	0.2634	0.0030417	0.2548	0.26031	0.2633	0.0031719	-0.0008	0.0005	0.0023	0.00085894
30	0.2544	0.26021	0.2645	0.0037009	0.2555	0.26085	0.2637	0.0034342	-0.0008	0.00064	0.0022	0.0009021
50	0.2538	0.25973	0.2637	0.0040045	0.2552	0.25958	0.2639	0.0031073	-0.0017	-0.00015	0.0014	0.0011188
100	0.256	0.2612	0.2721	0.0047018	0.2556	0.2619	0.2719	0.0049701	-0.0009	0.0007	0.0026	0.0010088

Device Test: 5.76; DLY_TMR_10KOHM

TID vs Result Stats



TID vs Post - Pre Exposure Delta



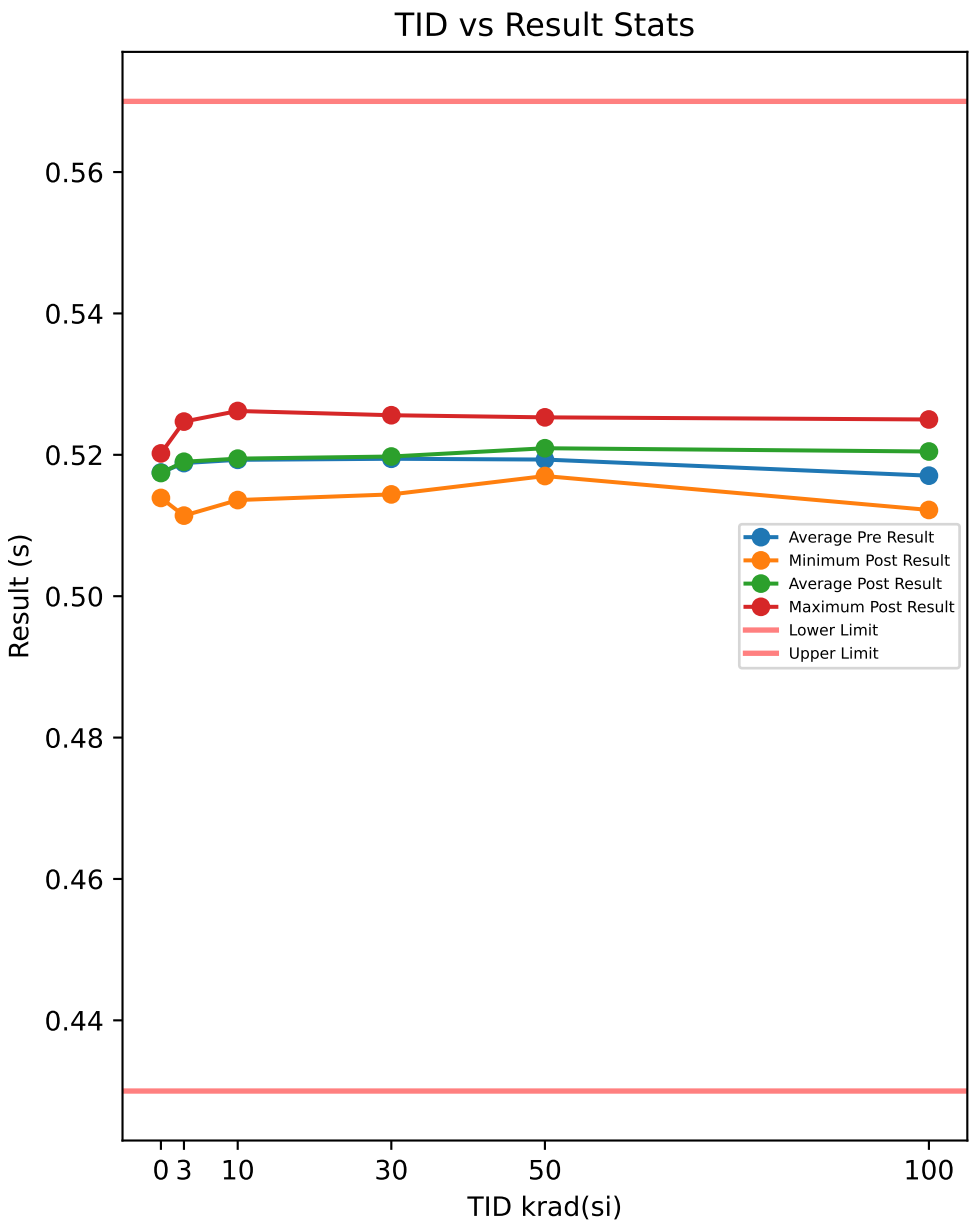
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

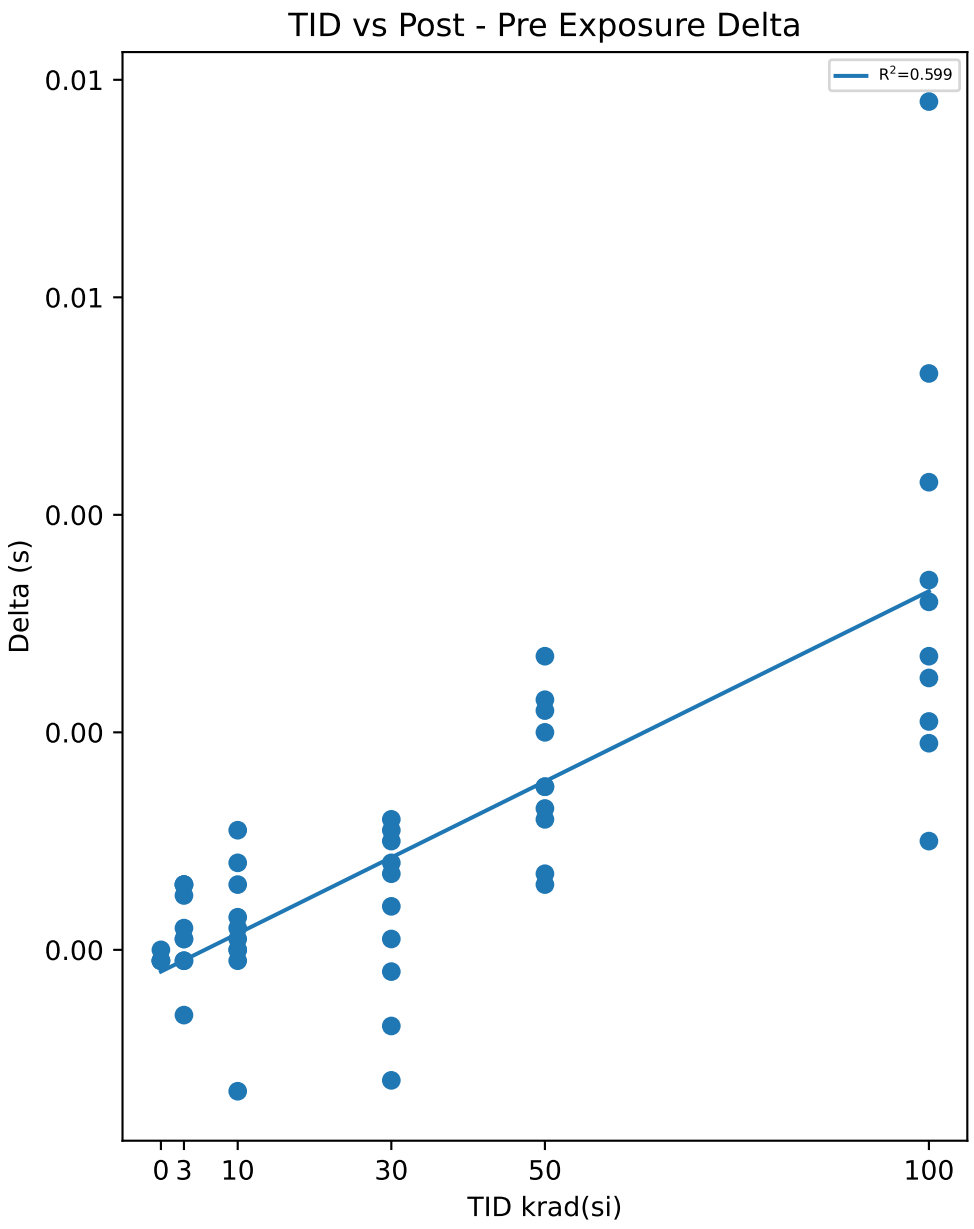
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2553	0.2551	-0.0002
3	3	Biased	0.2528	0.253	0.0002
4	3	Biased	0.253	0.2543	0.0013
5	3	Biased	0.263	0.263	0
6	3	Biased	0.262	0.2622	0.0002
7	3	Unbiased	0.2641	0.263	-0.0011
8	3	Unbiased	0.2625	0.263	0.0005
9	3	Unbiased	0.2619	0.2613	-0.0006
10	3	Unbiased	0.2618	0.2617	-0.0001
11	3	Unbiased	0.2536	0.2538	0.0002
12	10	Unbiased	0.2617	0.2609	-0.0008
13	10	Unbiased	0.2565	0.2565	0
14	10	Unbiased	0.2561	0.255	-0.0011
15	10	Unbiased	0.262	0.2616	-0.0004
16	10	Unbiased	0.2622	0.2616	-0.0006
17	10	Biased	0.2621	0.263	0.0009
18	10	Biased	0.2626	0.2621	-0.0005
19	10	Biased	0.2541	0.2554	0.0013
20	10	Biased	0.261	0.26	-0.001
21	10	Biased	0.2636	0.2633	-0.0003
22	30	Biased	0.2553	0.2563	0.001
23	30	Biased	0.2619	0.2612	-0.0007
24	30	Biased	0.2561	0.2558	-0.0003
25	30	Biased	0.2624	0.2628	0.0004
26	30	Biased	0.2651	0.2638	-0.0013
27	30	Unbiased	0.2548	0.2566	0.0018
28	30	Unbiased	0.2619	0.2623	0.0004
29	30	Unbiased	0.2624	0.2629	0.0005
30	30	Unbiased	0.2628	0.2614	-0.0014
31	30	Unbiased	0.2623	0.2625	0.0002
32	50	Biased	0.2547	0.2561	0.0014
33	50	Biased	0.2612	0.2627	0.0015
34	50	Biased	0.2538	0.2555	0.0017
35	50	Biased	0.2554	0.2581	0.0027
36	50	Biased	0.2561	0.2558	-0.0003
37	50	Unbiased	0.2619	0.2621	0.0002
39	50	Unbiased	0.2643	0.263	-0.0013
40	50	Unbiased	0.2614	0.2629	0.0015
41	50	Unbiased	0.2625	0.2631	0.0006
42	50	Unbiased	0.2634	0.2615	-0.0019
43	100	Biased	0.2563	0.2555	-0.0008
44	100	Biased	0.2718	0.273	0.0012
45	100	Biased	0.2631	0.2643	0.0012
46	100	Biased	0.2579	0.2577	-0.0002
47	100	Biased	0.2637	0.2638	0.0001
48	100	Unbiased	0.2619	0.2627	0.0008
49	100	Unbiased	0.2604	0.2619	0.0015
50	100	Unbiased	0.2558	0.2566	0.0008
51	100	Unbiased	0.2606	0.2627	0.0021
52	100	Unbiased	0.2641	0.2645	0.0004
53	0	Correlation	0.261	0.2613	0.0003
54	0	Correlation	0.2614	0.2622	0.0008
55	0	Correlation	0.2624	0.2617	-0.0007
56	0	Correlation	0.2547	0.255	0.0003

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	0.2547	0.25988	0.2624	0.0034999	0.255	0.26005	0.2622	0.0033867	-0.0007	0.000175	0.0008	0.00062915
3	0.2528	0.259	0.2641	0.0046762	0.253	0.25904	0.263	0.0043607	-0.0011	4e-05	0.0013	0.00063805
10	0.2541	0.26019	0.2636	0.0033128	0.255	0.25994	0.2633	0.0031377	-0.0011	-0.00025	0.0013	0.00078775
30	0.2548	0.2605	0.2651	0.0036472	0.2558	0.26056	0.2638	0.0030801	-0.0014	6e-05	0.0018	0.0010024
50	0.2538	0.25947	0.2643	0.0039917	0.2555	0.26008	0.2631	0.0032934	-0.0019	0.00061	0.0027	0.0014418
100	0.2558	0.26156	0.2718	0.0046534	0.2555	0.26227	0.273	0.0050104	-0.0008	0.00071	0.0021	0.00085823

Device Test: 5.77; WD_TMR_10KOHM





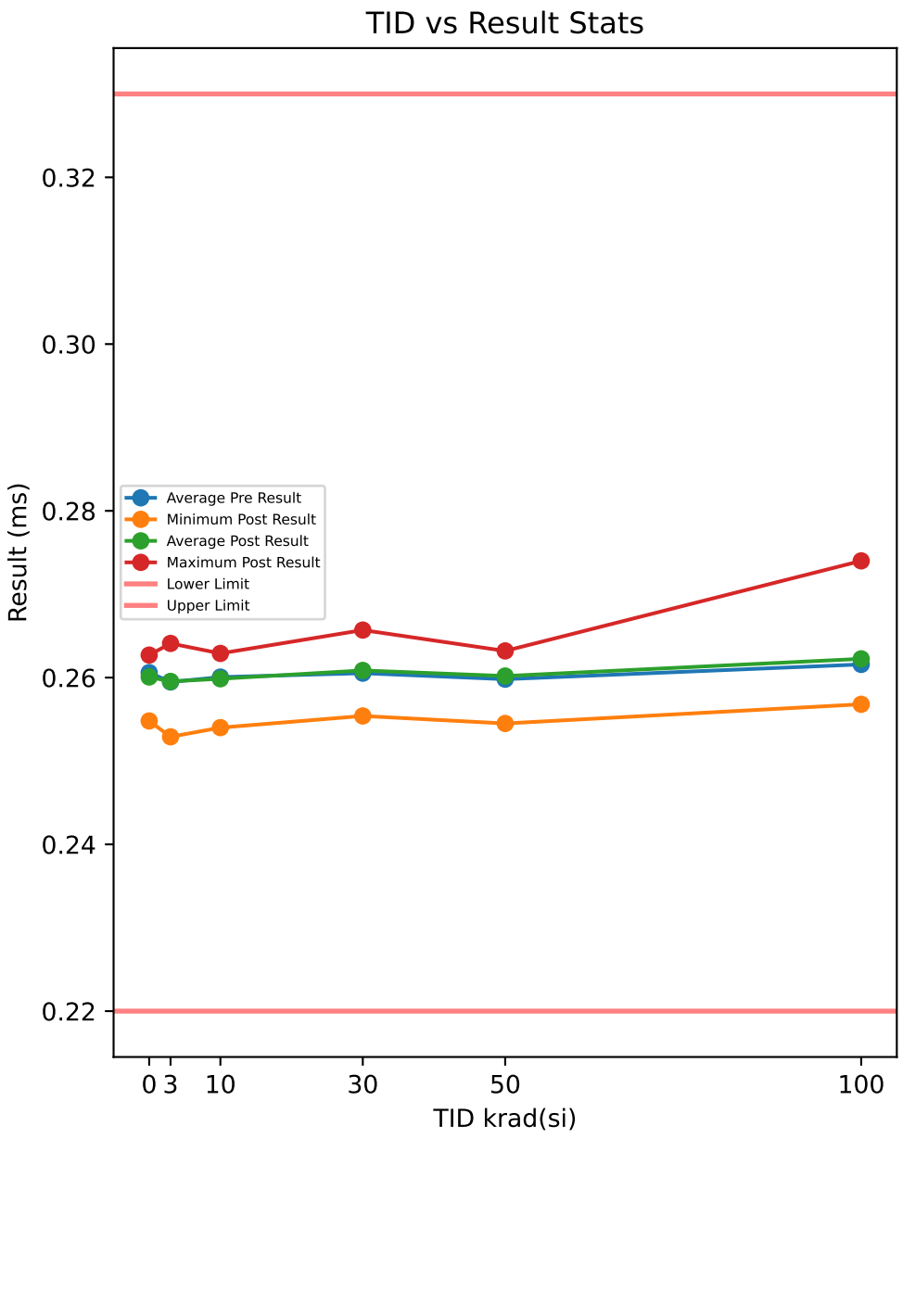
Test Results (Lower Limit = 0.43, Upper Limit = 0.57 (s))

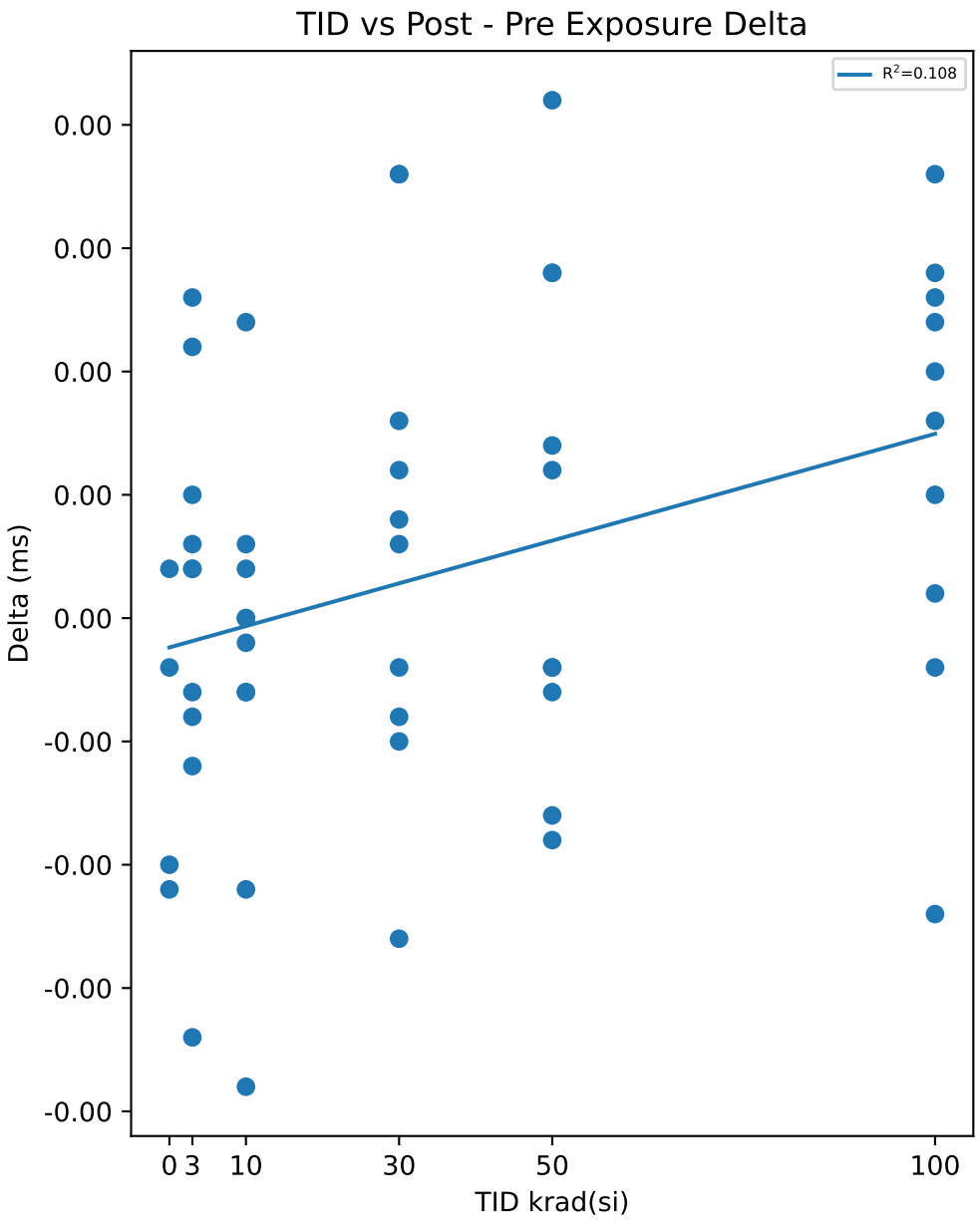
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.519	0.5195	0.0005
3	3	Biased	0.5191	0.5192	0.0001
4	3	Biased	0.5208	0.5207	-0.0001
5	3	Biased	0.5108	0.5114	0.0006
6	3	Biased	0.5241	0.5247	0.0006
7	3	Unbiased	0.5173	0.5167	-0.0006
8	3	Unbiased	0.5155	0.5161	0.0006
9	3	Unbiased	0.5216	0.5218	0.0002
10	3	Unbiased	0.5199	0.5198	-0.0001
11	3	Unbiased	0.5202	0.5203	0.0001
12	10	Unbiased	0.5194	0.5181	-0.0013
13	10	Unbiased	0.5262	0.5262	0
14	10	Unbiased	0.5182	0.519	0.0008
15	10	Unbiased	0.5153	0.5154	0.0001
16	10	Unbiased	0.5162	0.5168	0.0006
17	10	Biased	0.5206	0.5217	0.0011
18	10	Biased	0.5133	0.5136	0.0003
19	10	Biased	0.5228	0.5228	0
20	10	Biased	0.5179	0.5178	-0.0001
21	10	Biased	0.523	0.5232	0.0002
22	30	Biased	0.515	0.5151	0.0001
23	30	Biased	0.5146	0.5144	-0.0002
24	30	Biased	0.5263	0.5251	-0.0012
25	30	Biased	0.5167	0.5174	0.0007
26	30	Biased	0.5219	0.5223	0.0004
27	30	Unbiased	0.5208	0.5218	0.001
28	30	Unbiased	0.5248	0.5256	0.0008
29	30	Unbiased	0.5166	0.5178	0.0012
30	30	Unbiased	0.5187	0.5198	0.0011
31	30	Unbiased	0.519	0.5183	-0.0007
32	50	Biased	0.516	0.518	0.002
33	50	Biased	0.5157	0.517	0.0013
34	50	Biased	0.5174	0.5189	0.0015
35	50	Biased	0.5193	0.5208	0.0015
36	50	Biased	0.5222	0.5234	0.0012
37	50	Unbiased	0.5203	0.523	0.0027
39	50	Unbiased	0.5182	0.5189	0.0007
40	50	Unbiased	0.5202	0.5208	0.0006
41	50	Unbiased	0.523	0.5253	0.0023
42	50	Unbiased	0.521	0.5232	0.0022
43	100	Biased	0.5131	0.5184	0.0053
44	100	Biased	0.5209	0.5219	0.001
45	100	Biased	0.5207	0.525	0.0043
46	100	Biased	0.5145	0.5164	0.0019
47	100	Biased	0.5194	0.5226	0.0032
48	100	Unbiased	0.5191	0.5216	0.0025
49	100	Unbiased	0.5197	0.5224	0.0027
50	100	Unbiased	0.517	0.5204	0.0034
51	100	Unbiased	0.516	0.5238	0.0078
52	100	Unbiased	0.5101	0.5122	0.0021
53	0	Correlation	0.5203	0.5202	-0.0001
54	0	Correlation	0.5139	0.5139	0
55	0	Correlation	0.516	0.5159	-0.0001
56	0	Correlation	0.5198	0.5197	-0.0001

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	0.5139	0.5175	0.5203	0.0030735	0.5139	0.51743	0.5202	0.0030347	-0.0001	-7.5e-05	0	5e-05
3	0.5108	0.51883	0.5241	0.003657	0.5114	0.51902	0.5247	0.0036101	-0.0006	0.00019	0.0006	0.00039567
10	0.5133	0.51929	0.5262	0.0039445	0.5136	0.51946	0.5262	0.0039201	-0.0013	0.00017	0.0011	0.00064644
30	0.5146	0.51944	0.5263	0.0039881	0.5144	0.51976	0.5256	0.0038762	-0.0012	0.00032	0.0012	0.00080939
50	0.5157	0.51933	0.523	0.0024824	0.517	0.52093	0.5253	0.0027272	0.0006	0.0016	0.0027	0.00069121
100	0.5101	0.51705	0.5209	0.0035964	0.5122	0.52047	0.525	0.0038361	0.001	0.00342	0.0078	0.0019668

Device Test: 5.78; DLY_TMR_10KOHM





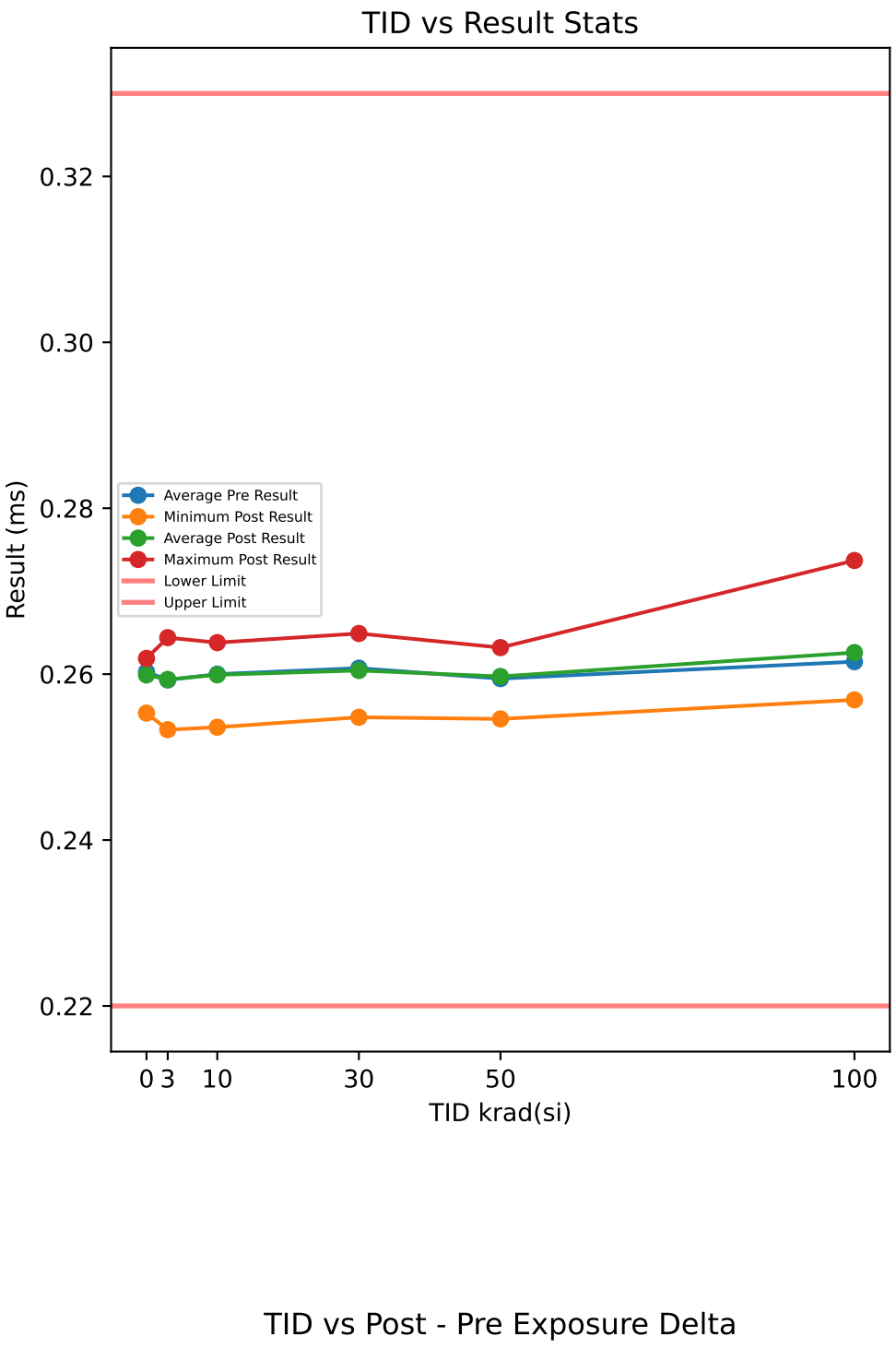
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

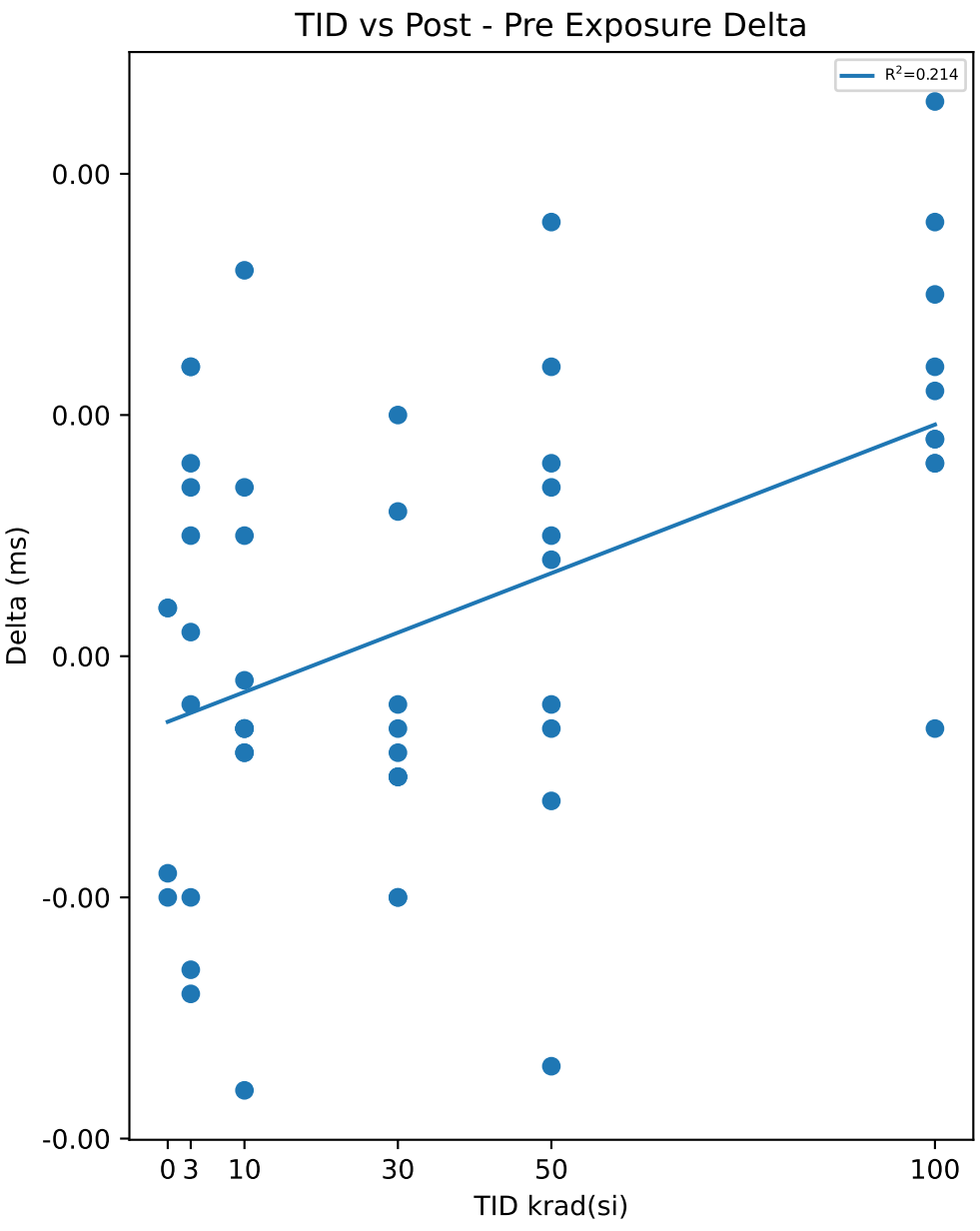
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2562	0.2564	0.0002
3	3	Biased	0.2532	0.2529	-0.0003
4	3	Biased	0.2543	0.2546	0.0003
5	3	Biased	0.2641	0.2637	-0.0004
6	3	Biased	0.2623	0.2617	-0.0006
7	3	Unbiased	0.264	0.2623	-0.0017
8	3	Unbiased	0.263	0.2641	0.0011
9	3	Unbiased	0.261	0.2623	0.0013
10	3	Unbiased	0.2626	0.2631	0.0005
11	3	Unbiased	0.2541	0.2543	0.0002
12	10	Unbiased	0.2622	0.2611	-0.0011
13	10	Unbiased	0.2556	0.2556	0
14	10	Unbiased	0.2549	0.2546	-0.0003
15	10	Unbiased	0.2623	0.2622	-0.0001
16	10	Unbiased	0.2616	0.2616	0
17	10	Biased	0.2625	0.2628	0.0003
18	10	Biased	0.2611	0.2623	0.0012
19	10	Biased	0.2559	0.254	-0.0019
20	10	Biased	0.2613	0.2615	0.0002
21	10	Biased	0.2632	0.2629	-0.0003
22	30	Biased	0.255	0.2554	0.0004
23	30	Biased	0.2627	0.2622	-0.0005
24	30	Biased	0.2543	0.2561	0.0018
25	30	Biased	0.2619	0.2625	0.0006
26	30	Biased	0.2639	0.2657	0.0018
27	30	Unbiased	0.2562	0.2558	-0.0004
28	30	Unbiased	0.263	0.2617	-0.0013
29	30	Unbiased	0.263	0.2638	0.0008
30	30	Unbiased	0.2628	0.2626	-0.0002
31	30	Unbiased	0.2625	0.2628	0.0003
32	50	Biased	0.2547	0.2568	0.0021
33	50	Biased	0.2615	0.2629	0.0014
34	50	Biased	0.2538	0.2545	0.0007
35	50	Biased	0.2572	0.2586	0.0014
36	50	Biased	0.2566	0.2563	-0.0003
37	50	Unbiased	0.2608	0.2614	0.0006
39	50	Unbiased	0.2641	0.2632	-0.0009
40	50	Unbiased	0.2629	0.2627	-0.0002
41	50	Unbiased	0.2632	0.263	-0.0002
42	50	Unbiased	0.2633	0.2625	-0.0008
43	100	Biased	0.2556	0.2568	0.0012
44	100	Biased	0.2726	0.274	0.0014
45	100	Biased	0.264	0.2638	-0.0002
46	100	Biased	0.2572	0.258	0.0008
47	100	Biased	0.2627	0.2637	0.001
48	100	Unbiased	0.2628	0.2629	0.0001
49	100	Unbiased	0.2604	0.2617	0.0013
50	100	Unbiased	0.2551	0.2569	0.0018
51	100	Unbiased	0.2623	0.2611	-0.0012
52	100	Unbiased	0.2631	0.2636	0.0005
53	0	Correlation	0.2621	0.261	-0.0011
54	0	Correlation	0.2629	0.2627	-0.0002
55	0	Correlation	0.2628	0.2618	-0.001
56	0	Correlation	0.2546	0.2548	0.0002

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	0.2546	0.2606	0.2629	0.0040158	0.2548	0.26008	0.2627	0.0035846	-0.0011	-0.000525	0.0002	0.00062915
3	0.2532	0.25948	0.2641	0.0044738	0.2529	0.25954	0.2641	0.0044282	-0.0017	6e-05	0.0013	0.0008682
10	0.2549	0.26006	0.2632	0.0032356	0.254	0.25986	0.2629	0.0036013	-0.0019	-0.0002	0.0012	0.00082865
30	0.2543	0.26053	0.2639	0.0037612	0.2554	0.26086	0.2657	0.0036837	-0.0013	0.00033	0.0018	0.00098776
50	0.2538	0.25981	0.2641	0.0038702	0.2545	0.26019	0.2632	0.0033154	-0.0009	0.00038	0.0021	0.0010196
100	0.2551	0.26158	0.2726	0.0050684	0.2568	0.26225	0.274	0.0049758	-0.0012	0.00067	0.0018	0.00089573

Device Test: 5.79; DLY_TMR_10KOHM





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

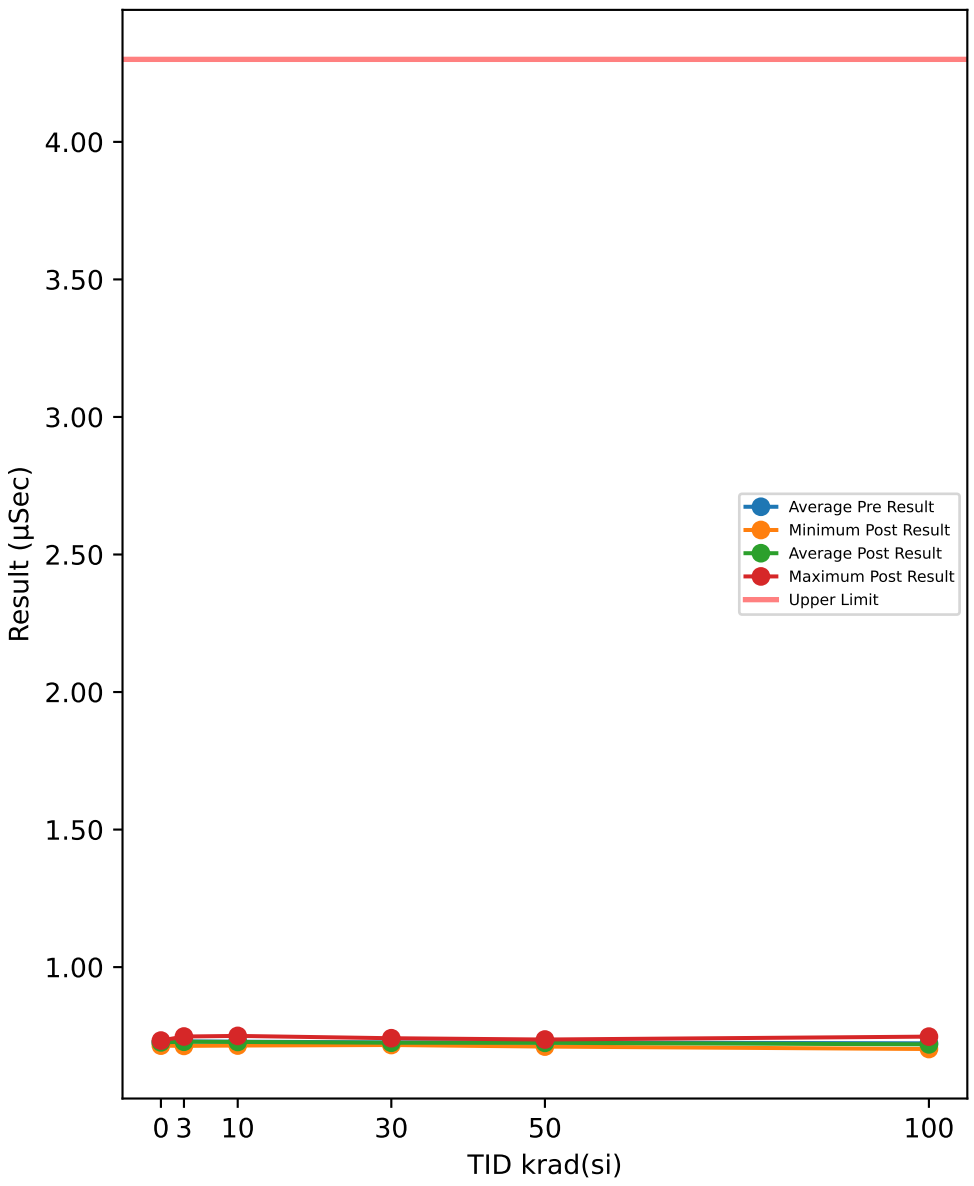
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2545	0.2557	0.0012
3	3	Biased	0.2543	0.2533	-0.001
4	3	Biased	0.2548	0.2546	-0.0002
5	3	Biased	0.2639	0.2644	0.0005
6	3	Biased	0.2624	0.2625	0.0001
7	3	Unbiased	0.2621	0.2633	0.0012
8	3	Unbiased	0.2634	0.2621	-0.0013
9	3	Unbiased	0.2622	0.2608	-0.0014
10	3	Unbiased	0.2616	0.2623	0.0007
11	3	Unbiased	0.2538	0.2546	0.0008
12	10	Unbiased	0.2609	0.2608	-0.0001
13	10	Unbiased	0.2558	0.2563	0.0005
14	10	Unbiased	0.2557	0.2554	-0.0003
15	10	Unbiased	0.2626	0.2622	-0.0004
16	10	Unbiased	0.2619	0.2616	-0.0003
17	10	Biased	0.2621	0.2628	0.0007
18	10	Biased	0.2624	0.2621	-0.0003
19	10	Biased	0.254	0.2536	-0.0004
20	10	Biased	0.2624	0.2606	-0.0018
21	10	Biased	0.2622	0.2638	0.0016
22	30	Biased	0.2557	0.2552	-0.0005
23	30	Biased	0.2634	0.263	-0.0004
24	30	Biased	0.2558	0.2548	-0.001
25	30	Biased	0.2612	0.2622	0.001
26	30	Biased	0.2654	0.2649	-0.0005
27	30	Unbiased	0.2557	0.2555	-0.0002
28	30	Unbiased	0.263	0.262	-0.001
29	30	Unbiased	0.2633	0.2628	-0.0005
30	30	Unbiased	0.2615	0.2612	-0.0003
31	30	Unbiased	0.2622	0.2628	0.0006
32	50	Biased	0.2562	0.256	-0.0002
33	50	Biased	0.261	0.2628	0.0018
34	50	Biased	0.2539	0.2546	0.0007
35	50	Biased	0.2562	0.257	0.0008
36	50	Biased	0.2556	0.256	0.0004
37	50	Unbiased	0.2604	0.2616	0.0012
39	50	Unbiased	0.2627	0.2632	0.0005
40	50	Unbiased	0.2627	0.2624	-0.0003
41	50	Unbiased	0.2624	0.2618	-0.0006
42	50	Unbiased	0.2635	0.2618	-0.0017
43	100	Biased	0.2554	0.2569	0.0015
44	100	Biased	0.2714	0.2737	0.0023
45	100	Biased	0.2628	0.2636	0.0008
46	100	Biased	0.2571	0.2582	0.0011
47	100	Biased	0.264	0.2649	0.0009
48	100	Unbiased	0.2623	0.2631	0.0008
49	100	Unbiased	0.2602	0.262	0.0018
50	100	Unbiased	0.2559	0.2571	0.0012
51	100	Unbiased	0.2619	0.2628	0.0009
52	100	Unbiased	0.264	0.2637	-0.0003
53	0	Correlation	0.2606	0.2608	0.0002
54	0	Correlation	0.2629	0.2619	-0.001
55	0	Correlation	0.2625	0.2616	-0.0009
56	0	Correlation	0.2551	0.2553	0.0002

Test Statistics (ms)

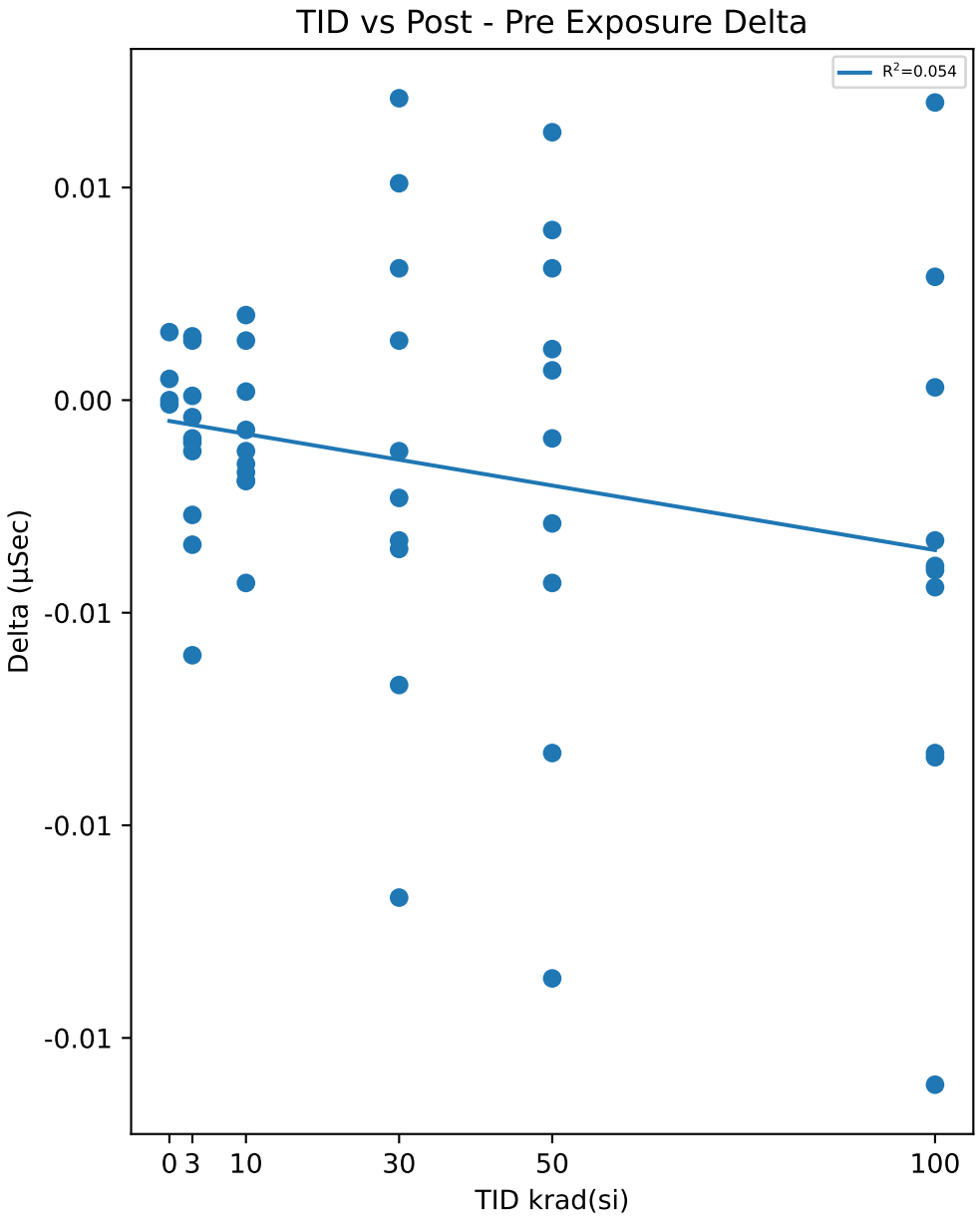
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2551	0.26028	0.2629	0.0035929	0.2553	0.2599	0.2619	0.0031016	-0.001	-0.000375	0.0002	0.00066521
3	0.2538	0.2593	0.2639	0.0043161	0.2533	0.25936	0.2644	0.0042745	-0.0014	6e-05	0.0012	0.00099577
10	0.254	0.26	0.2626	0.0034007	0.2536	0.25992	0.2638	0.0035093	-0.0018	-8e-05	0.0016	0.00088669
30	0.2557	0.26072	0.2654	0.0036298	0.2548	0.26044	0.2649	0.0037619	-0.001	-0.00028	0.001	0.00063386
50	0.2539	0.25946	0.2635	0.0035945	0.2546	0.25972	0.2632	0.0033707	-0.0017	0.00026	0.0018	0.00099577
100	0.2554	0.2615	0.2714	0.0047448	0.2569	0.2626	0.2737	0.0048701	-0.0003	0.0011	0.0023	0.00069282

Device Test: 5.8; PROPD_PWRGD

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 4.3 (µSec))

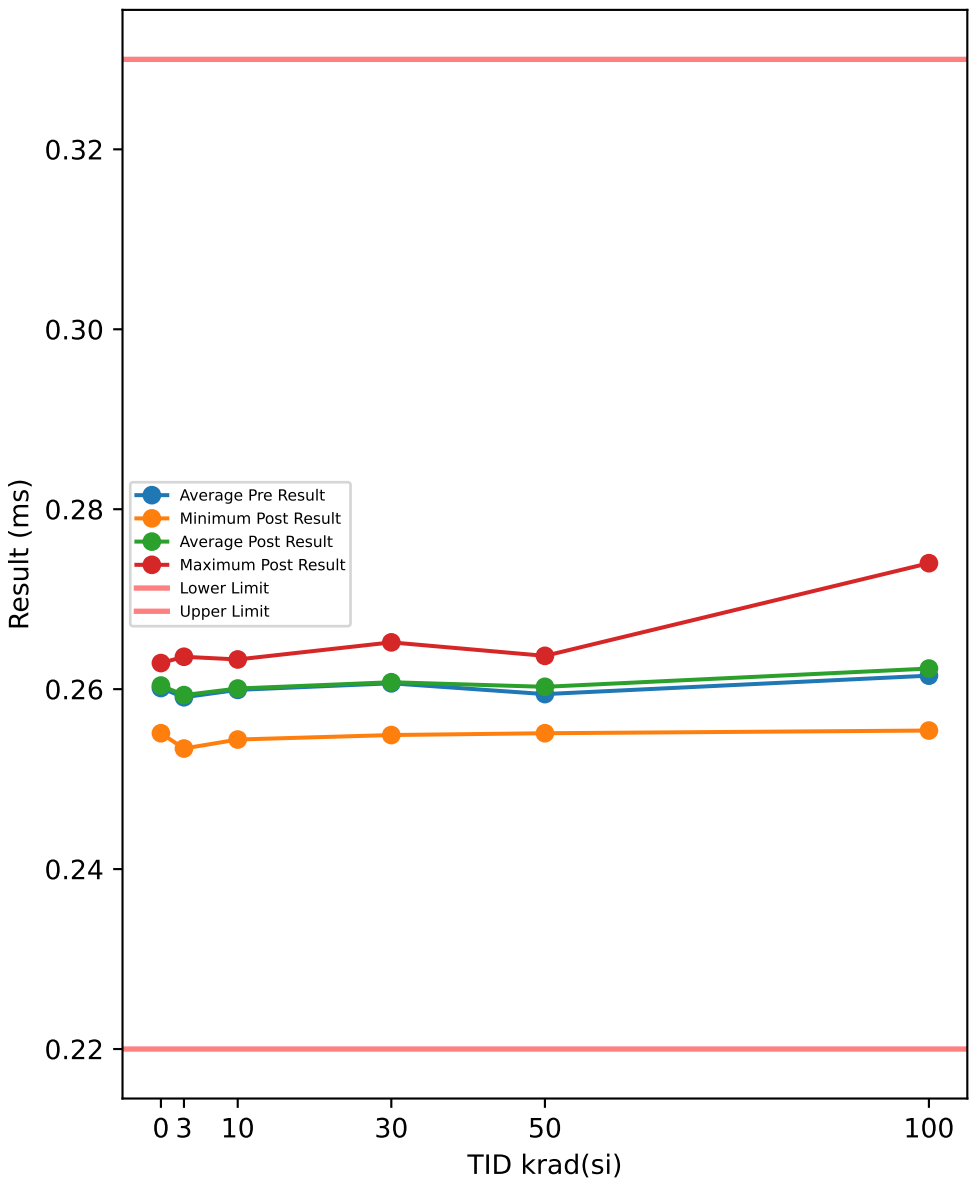
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7336	0.7309	-0.0027
3	3	Biased	0.7291	0.7292	0.0001
4	3	Biased	0.7511	0.7477	-0.0034
5	3	Biased	0.728	0.722	-0.006
6	3	Biased	0.7154	0.7168	0.0014
7	3	Unbiased	0.7289	0.7285	-0.0004
8	3	Unbiased	0.7269	0.7257	-0.0012
9	3	Unbiased	0.7346	0.7336	-0.001
10	3	Unbiased	0.7381	0.7396	0.0015
11	3	Unbiased	0.7145	0.7136	-0.0009
12	10	Unbiased	0.7182	0.7196	0.0014
13	10	Unbiased	0.7291	0.7284	-0.0007
14	10	Unbiased	0.7216	0.7173	-0.0043
15	10	Unbiased	0.738	0.7365	-0.0015
16	10	Unbiased	0.7262	0.7243	-0.0019
17	10	Biased	0.7338	0.734	0.0002
18	10	Biased	0.7243	0.7224	-0.0019
19	10	Biased	0.7511	0.7499	-0.0012
20	10	Biased	0.7307	0.7327	0.002
21	10	Biased	0.7166	0.7149	-0.0017
22	30	Biased	0.7203	0.7168	-0.0035
23	30	Biased	0.7364	0.7415	0.0051
24	30	Biased	0.7239	0.7253	0.0014
25	30	Biased	0.7225	0.7213	-0.0012
26	30	Biased	0.7166	0.7197	0.0031
27	30	Unbiased	0.7352	0.7319	-0.0033
28	30	Unbiased	0.7321	0.7254	-0.0067
29	30	Unbiased	0.7247	0.7224	-0.0023
30	30	Unbiased	0.7331	0.7214	-0.0117
31	30	Unbiased	0.7185	0.7256	0.0071
32	50	Biased	0.7346	0.721	-0.0136
33	50	Biased	0.7258	0.7321	0.0063
34	50	Biased	0.7356	0.7368	0.0012
35	50	Biased	0.7127	0.7158	0.0031
36	50	Biased	0.7268	0.7185	-0.0083
37	50	Unbiased	0.714	0.7111	-0.0029
39	50	Unbiased	0.7274	0.7314	0.004
40	50	Unbiased	0.7316	0.7323	0.0007
41	50	Unbiased	0.7252	0.7243	-0.0009
42	50	Unbiased	0.7286	0.7243	-0.0043
43	100	Biased	0.7211	0.7171	-0.004
44	100	Biased	0.7166	0.7122	-0.0044
45	100	Biased	0.7055	0.7022	-0.0033
46	100	Biased	0.7403	0.7473	0.007
47	100	Biased	0.7212	0.7215	0.0003
48	100	Unbiased	0.7168	0.7084	-0.0084
49	100	Unbiased	0.7233	0.715	-0.0083
50	100	Unbiased	0.7333	0.7172	-0.0161
51	100	Unbiased	0.7307	0.7268	-0.0039
52	100	Unbiased	0.7209	0.7238	0.0029
53	0	Correlation	0.7141	0.7146	0.0005
54	0	Correlation	0.7331	0.733	-0.0001
55	0	Correlation	0.727	0.727	0
56	0	Correlation	0.7298	0.7314	0.0016

Test Statistics (µSec)

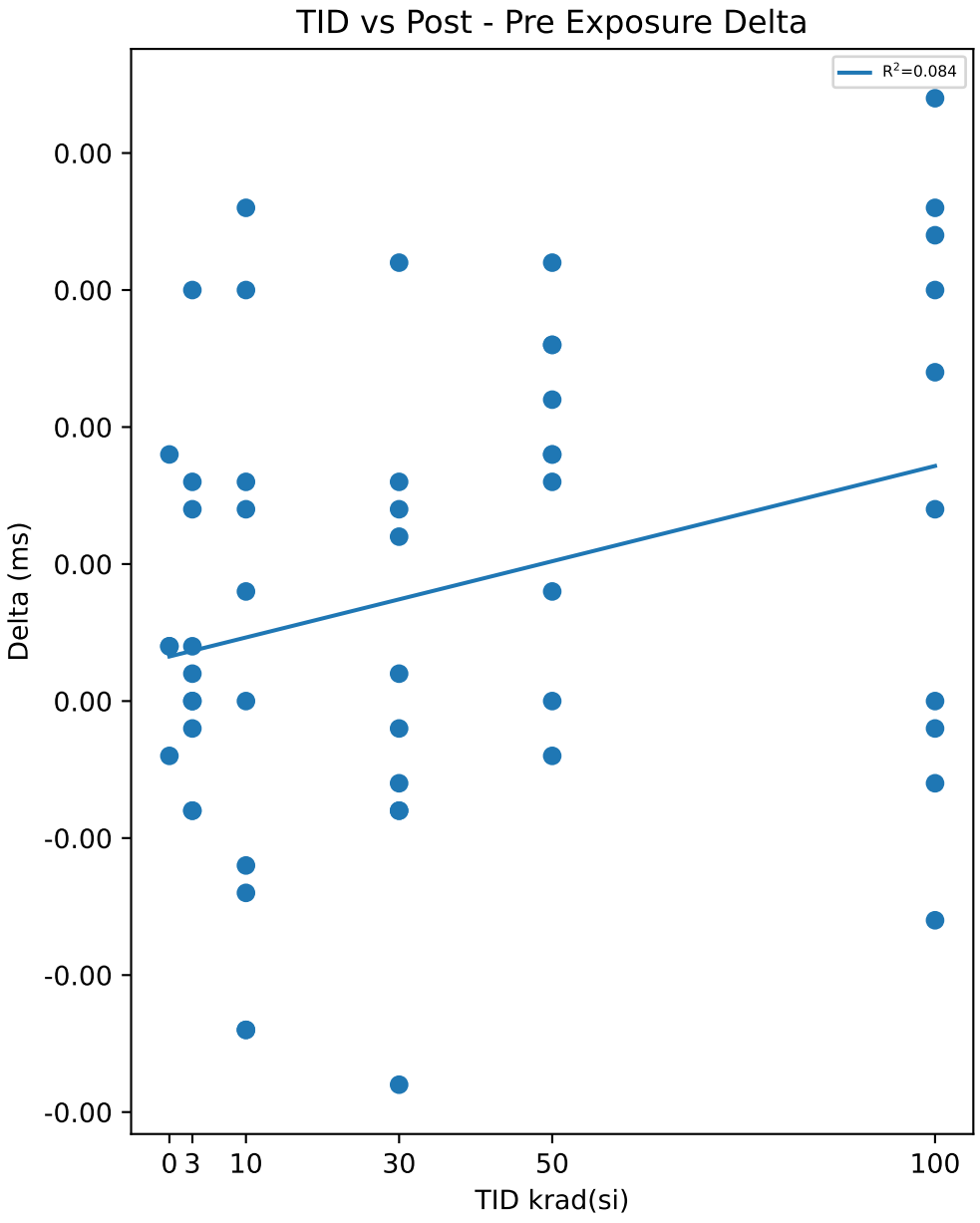
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7141	0.726	0.7331	0.0083158	0.7146	0.7265	0.733	0.0083291	-0.0001	0.0005	0.0016	0.00077889
3	0.7145	0.73002	0.7511	0.010614	0.7136	0.72876	0.7477	0.010179	-0.006	-0.00126	0.0015	0.0022756
10	0.7166	0.72896	0.7511	0.010276	0.7149	0.728	0.7499	0.010603	-0.0043	-0.00096	0.002	0.0018124
30	0.7166	0.72633	0.7364	0.0072632	0.7168	0.72513	0.7415	0.0070635	-0.0117	-0.0012	0.0071	0.0056297
50	0.7127	0.72623	0.7356	0.0076586	0.7111	0.72476	0.7368	0.0083026	-0.0136	-0.00147	0.0063	0.0060294
100	0.7055	0.72297	0.7403	0.0097847	0.7022	0.71915	0.7473	0.012268	-0.0161	-0.00382	0.007	0.0064265

Device Test: 5.80; DLY_TMR_10KOHM

TID vs Result Stats



TID vs Post - Pre Exposure Delta



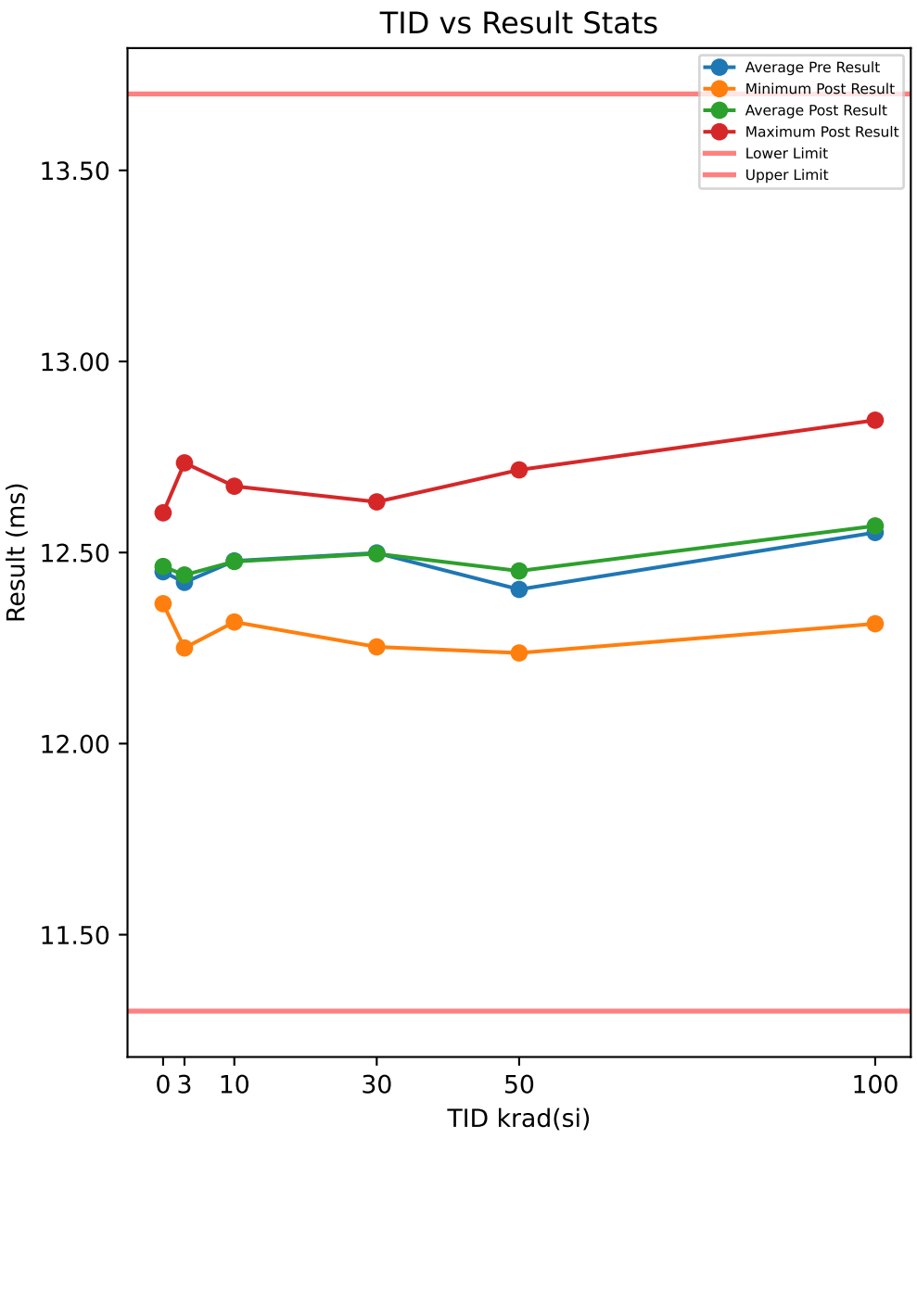
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

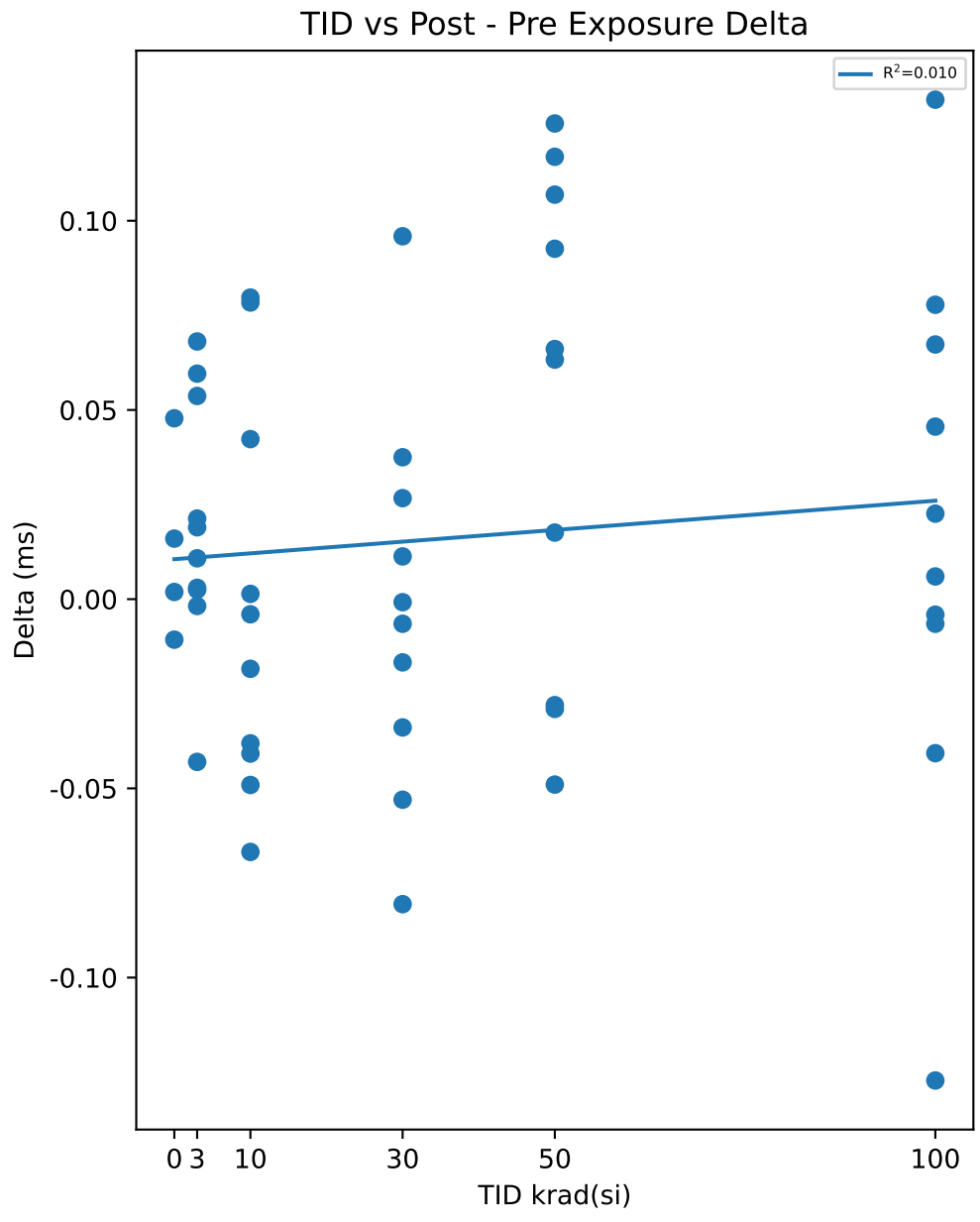
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2554	0.2553	-0.0001
3	3	Biased	0.2532	0.2534	0.0002
4	3	Biased	0.2539	0.2546	0.0007
5	3	Biased	0.2633	0.2629	-0.0004
6	3	Biased	0.2618	0.2618	0
7	3	Unbiased	0.2639	0.2635	-0.0004
8	3	Unbiased	0.2628	0.2636	0.0008
9	3	Unbiased	0.2611	0.2626	0.0015
10	3	Unbiased	0.2618	0.2618	0
11	3	Unbiased	0.2538	0.2539	0.0001
12	10	Unbiased	0.2607	0.2625	0.0018
13	10	Unbiased	0.2568	0.2556	-0.0012
14	10	Unbiased	0.2551	0.2558	0.0007
15	10	Unbiased	0.2631	0.2619	-0.0012
16	10	Unbiased	0.2629	0.2623	-0.0006
17	10	Biased	0.2621	0.2621	0
18	10	Biased	0.2612	0.2627	0.0015
19	10	Biased	0.254	0.2544	0.0004
20	10	Biased	0.2608	0.2601	-0.0007
21	10	Biased	0.2625	0.2633	0.0008
22	30	Biased	0.2548	0.2556	0.0008
23	30	Biased	0.2631	0.2627	-0.0004
24	30	Biased	0.255	0.2549	-0.0001
25	30	Biased	0.2626	0.2623	-0.0003
26	30	Biased	0.2636	0.2652	0.0016
27	30	Unbiased	0.2564	0.257	0.0006
28	30	Unbiased	0.2635	0.2621	-0.0014
29	30	Unbiased	0.2629	0.2625	-0.0004
30	30	Unbiased	0.2626	0.2627	0.0001
31	30	Unbiased	0.262	0.2627	0.0007
32	50	Biased	0.2552	0.2561	0.0009
33	50	Biased	0.2622	0.2631	0.0009
34	50	Biased	0.2551	0.2551	0
35	50	Biased	0.257	0.2568	-0.0002
36	50	Biased	0.255	0.2561	0.0011
37	50	Unbiased	0.2608	0.2621	0.0013
39	50	Unbiased	0.2629	0.2633	0.0004
40	50	Unbiased	0.2622	0.263	0.0008
41	50	Unbiased	0.2621	0.2637	0.0016
42	50	Unbiased	0.262	0.2633	0.0013
43	100	Biased	0.2556	0.2563	0.0007
44	100	Biased	0.2725	0.274	0.0015
45	100	Biased	0.2631	0.2649	0.0018
46	100	Biased	0.2561	0.2583	0.0022
47	100	Biased	0.2626	0.2638	0.0012
48	100	Unbiased	0.2633	0.2633	0
49	100	Unbiased	0.2609	0.2606	-0.0003
50	100	Unbiased	0.2562	0.2554	-0.0008
51	100	Unbiased	0.2608	0.2625	0.0017
52	100	Unbiased	0.2639	0.2638	-0.0001
53	0	Correlation	0.2615	0.2613	-0.0002
54	0	Correlation	0.2627	0.2629	0.0002
55	0	Correlation	0.2621	0.2623	0.0002
56	0	Correlation	0.2542	0.2551	0.0009

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	0.2542	0.26012	0.2627	0.0039803	0.2551	0.2604	0.2629	0.0035944	-0.0002	0.000275	0.0009	0.00045735
3	0.2532	0.2591	0.2639	0.0044294	0.2534	0.25934	0.2636	0.0044036	-0.0004	0.00024	0.0015	0.00059479
10	0.254	0.25992	0.2631	0.0033572	0.2544	0.26007	0.2633	0.0034329	-0.0012	0.00015	0.0018	0.001069
30	0.2548	0.26065	0.2636	0.0036746	0.2549	0.26077	0.2652	0.0035481	-0.0014	0.00012	0.0016	0.00083639
50	0.255	0.25945	0.2629	0.0034183	0.2551	0.26026	0.2637	0.0036891	-0.0002	0.00081	0.0016	0.00058205
100	0.2556	0.2615	0.2725	0.0050186	0.2554	0.26229	0.274	0.0052882	-0.0008	0.00079	0.0022	0.0010354

Device Test: 5.81; DLY_TMR_500KOHM





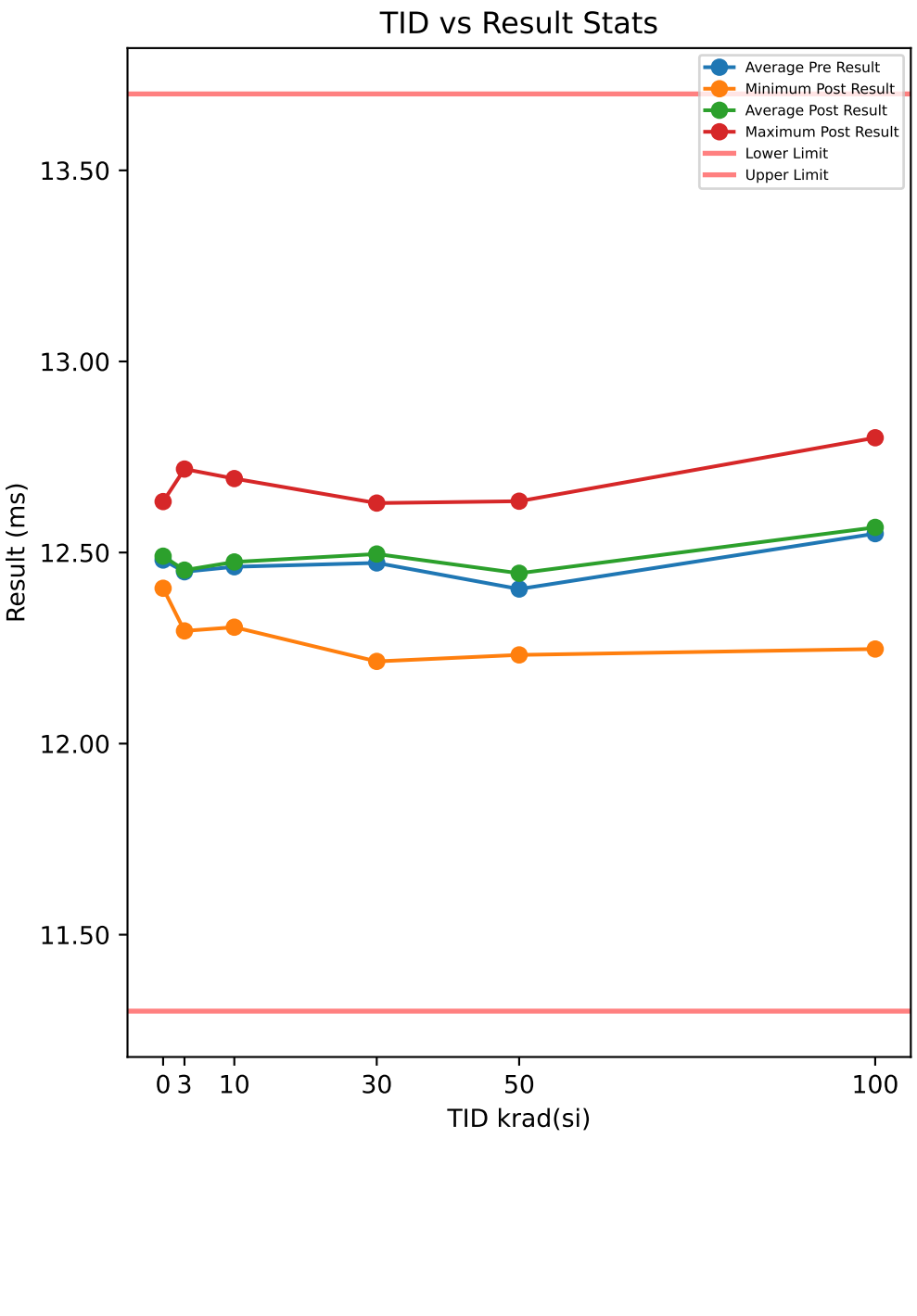
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

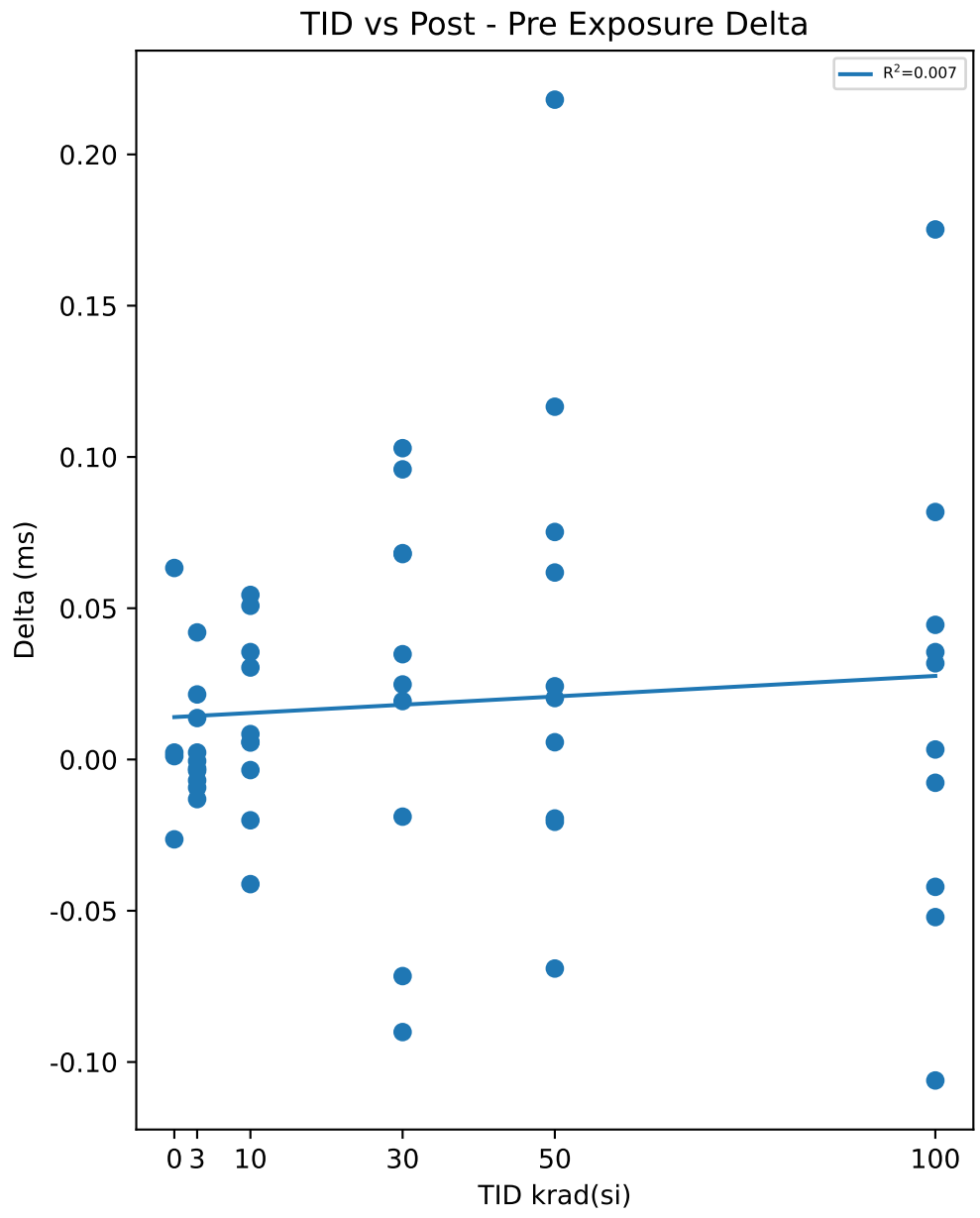
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.354	12.356	0.0025
3	3	Biased	12.31	12.329	0.019
4	3	Biased	12.252	12.25	-0.0018
5	3	Biased	12.675	12.735	0.0596
6	3	Biased	12.613	12.616	0.003
7	3	Unbiased	12.29	12.358	0.0681
8	3	Unbiased	12.617	12.638	0.0213
9	3	Unbiased	12.364	12.418	0.0537
10	3	Unbiased	12.34	12.351	0.0108
11	3	Unbiased	12.404	12.361	-0.043
12	10	Unbiased	12.337	12.318	-0.0184
13	10	Unbiased	12.257	12.337	0.0797
14	10	Unbiased	12.368	12.319	-0.0491
15	10	Unbiased	12.708	12.667	-0.0408
16	10	Unbiased	12.539	12.535	-0.004
17	10	Biased	12.595	12.674	0.0784
18	10	Biased	12.48	12.442	-0.0381
19	10	Biased	12.394	12.436	0.0423
20	10	Biased	12.518	12.451	-0.0668
21	10	Biased	12.585	12.586	0.0014
22	30	Biased	12.492	12.504	0.0113
23	30	Biased	12.359	12.306	-0.053
24	30	Biased	12.27	12.253	-0.0167
25	30	Biased	12.502	12.529	0.0267
26	30	Biased	12.624	12.624	-0.0008
27	30	Unbiased	12.474	12.57	0.0959
28	30	Unbiased	12.595	12.633	0.0375
29	30	Unbiased	12.419	12.339	-0.0806
30	30	Unbiased	12.643	12.61	-0.0339
31	30	Unbiased	12.609	12.602	-0.0065
32	50	Biased	12.375	12.467	0.0926
33	50	Biased	12.443	12.569	0.1257
34	50	Biased	12.297	12.414	0.1169
35	50	Biased	12.332	12.439	0.1069
36	50	Biased	12.459	12.525	0.0661
37	50	Unbiased	12.268	12.331	0.0633
39	50	Unbiased	12.511	12.462	-0.049
40	50	Unbiased	12.385	12.357	-0.028
41	50	Unbiased	12.266	12.237	-0.029
42	50	Unbiased	12.699	12.716	0.0176
43	100	Biased	12.475	12.468	-0.0065
44	100	Biased	12.714	12.846	0.132
45	100	Biased	12.747	12.743	-0.0041
46	100	Biased	12.602	12.608	0.006
47	100	Biased	12.656	12.701	0.0456
48	100	Unbiased	12.588	12.665	0.0778
49	100	Unbiased	12.354	12.314	-0.0407
50	100	Unbiased	12.295	12.318	0.0226
51	100	Unbiased	12.4	12.467	0.0673
52	100	Unbiased	12.693	12.566	-0.1272
53	0	Correlation	12.615	12.604	-0.0107
54	0	Correlation	12.418	12.465	0.0478
55	0	Correlation	12.417	12.419	0.0019
56	0	Correlation	12.35	12.366	0.016

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	12.35	12.45	12.615	0.11436	12.366	12.463	12.604	0.102	-0.0107	0.01375	0.0478	0.025184
3	12.252	12.422	12.675	0.15352	12.25	12.441	12.735	0.16108	-0.043	0.01932	0.0681	0.033565
10	12.257	12.478	12.708	0.13796	12.318	12.476	12.674	0.13483	-0.0668	-0.00154	0.0797	0.052292
30	12.27	12.499	12.643	0.12344	12.253	12.497	12.633	0.14363	-0.0806	-0.00201	0.0959	0.049643
50	12.266	12.403	12.699	0.13254	12.237	12.452	12.716	0.13362	-0.049	0.04831	0.1257	0.065694
100	12.295	12.552	12.747	0.16095	12.314	12.57	12.846	0.17777	-0.1272	0.01728	0.132	0.071135

Device Test: 5.82; DLY_TMR_500KOHM





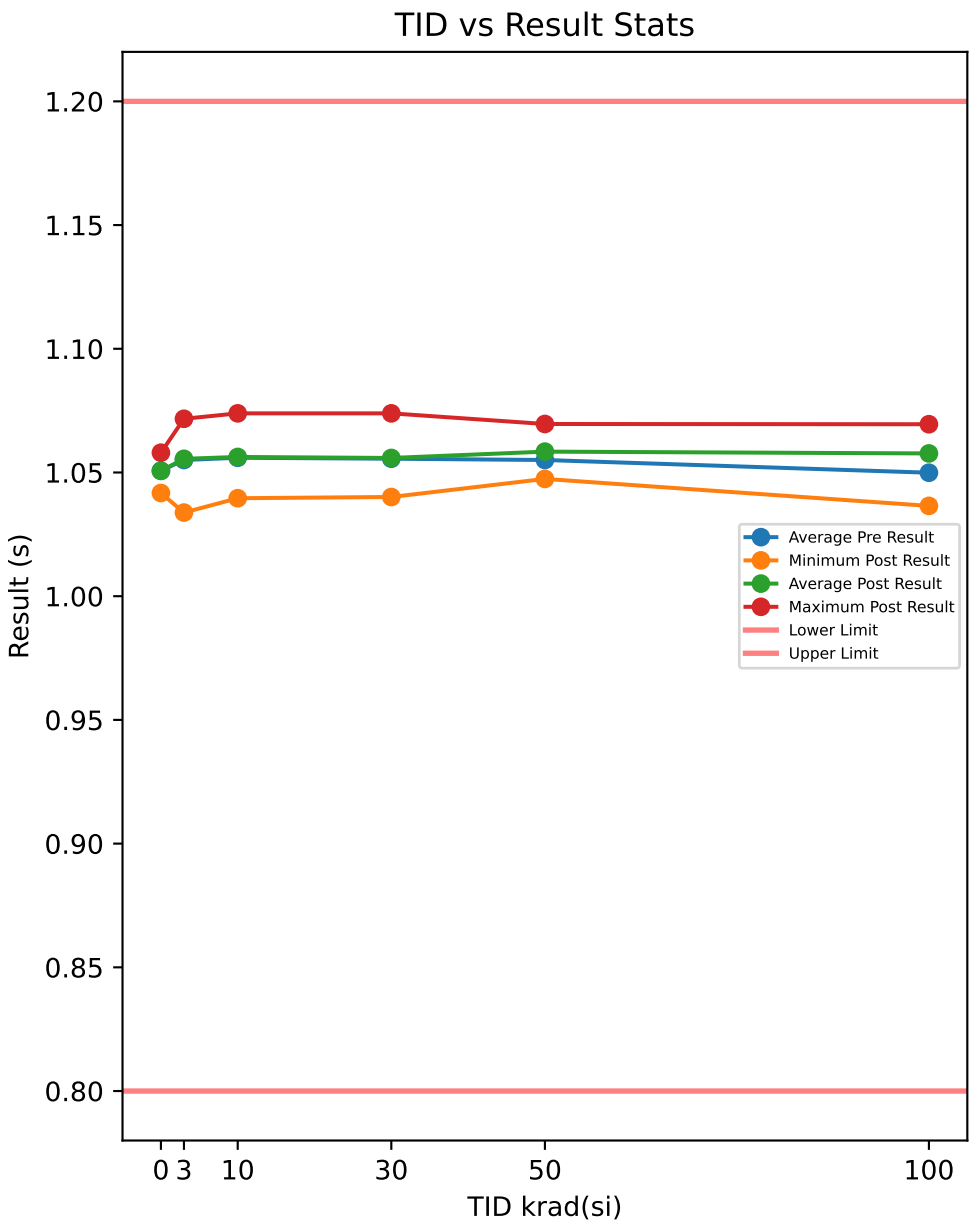
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

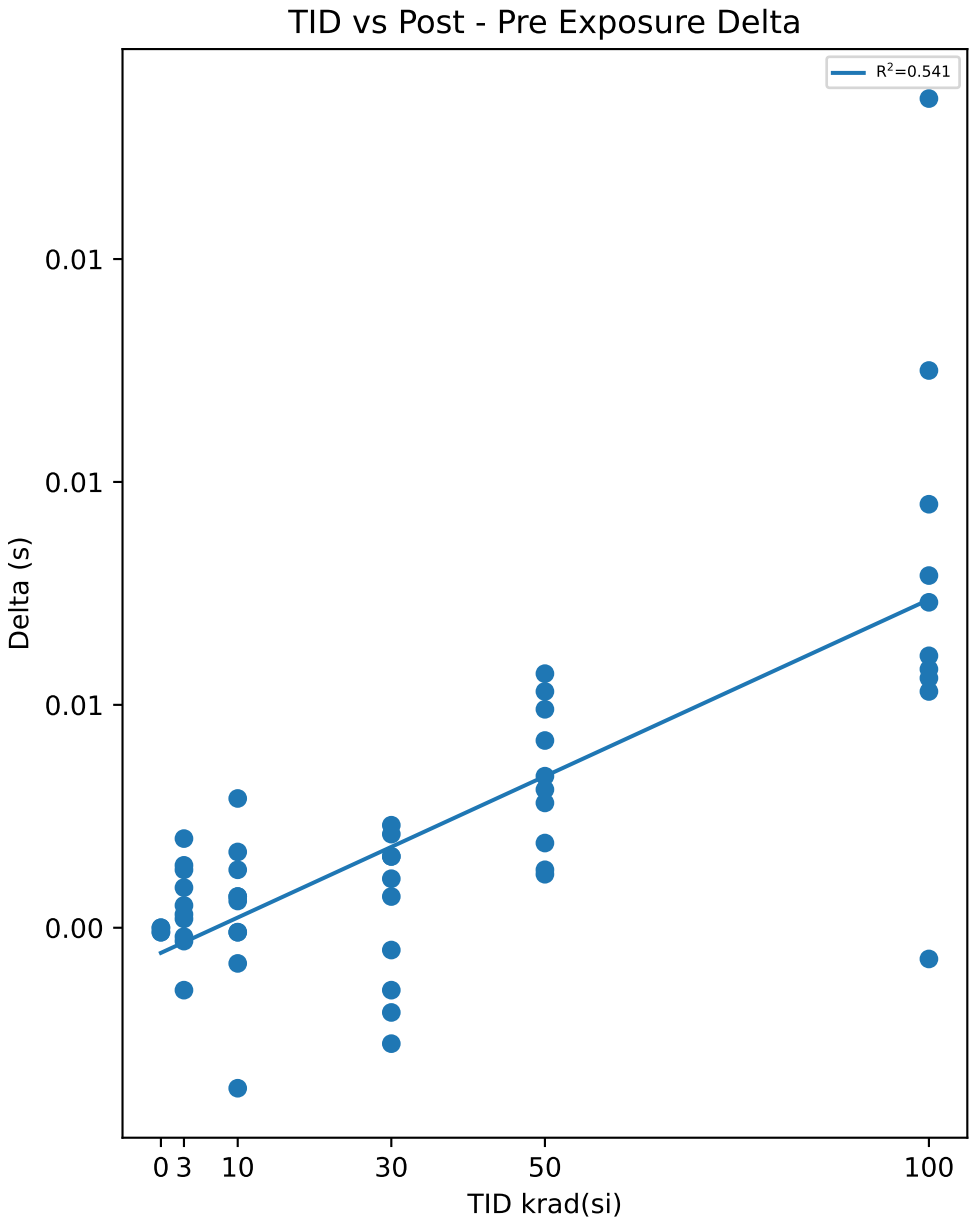
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.411	12.425	0.0137
3	3	Biased	12.366	12.357	-0.0093
4	3	Biased	12.295	12.295	-0.0005
5	3	Biased	12.725	12.718	-0.0069
6	3	Biased	12.569	12.571	0.0023
7	3	Unbiased	12.348	12.344	-0.0037
8	3	Unbiased	12.572	12.614	0.042
9	3	Unbiased	12.42	12.407	-0.0131
10	3	Unbiased	12.396	12.393	-0.003
11	3	Unbiased	12.396	12.418	0.0215
12	10	Unbiased	12.296	12.305	0.0084
13	10	Unbiased	12.314	12.32	0.0058
14	10	Unbiased	12.372	12.378	0.0056
15	10	Unbiased	12.663	12.694	0.0304
16	10	Unbiased	12.497	12.548	0.0508
17	10	Biased	12.575	12.629	0.0544
18	10	Biased	12.439	12.475	0.0355
19	10	Biased	12.45	12.409	-0.0412
20	10	Biased	12.476	12.473	-0.0035
21	10	Biased	12.545	12.525	-0.0201
22	30	Biased	12.451	12.546	0.0959
23	30	Biased	12.413	12.341	-0.0716
24	30	Biased	12.234	12.215	-0.0189
25	30	Biased	12.46	12.563	0.1029
26	30	Biased	12.582	12.616	0.0348
27	30	Unbiased	12.446	12.514	0.0682
28	30	Unbiased	12.552	12.571	0.0193
29	30	Unbiased	12.475	12.385	-0.0901
30	30	Unbiased	12.562	12.629	0.0679
31	30	Unbiased	12.554	12.579	0.0248
32	50	Biased	12.433	12.508	0.0752
33	50	Biased	12.5	12.52	0.0203
34	50	Biased	12.26	12.478	0.2181
35	50	Biased	12.378	12.495	0.1166
36	50	Biased	12.516	12.447	-0.0691
37	50	Unbiased	12.227	12.289	0.0618
39	50	Unbiased	12.488	12.512	0.0242
40	50	Unbiased	12.362	12.342	-0.0195
41	50	Unbiased	12.226	12.232	0.0057
42	50	Unbiased	12.655	12.634	-0.0206
43	100	Biased	12.433	12.477	0.0445
44	100	Biased	12.768	12.8	0.0318
45	100	Biased	12.703	12.784	0.0818
46	100	Biased	12.561	12.564	0.0033
47	100	Biased	12.71	12.668	-0.0421
48	100	Unbiased	12.545	12.72	0.1752
49	100	Unbiased	12.411	12.359	-0.0521
50	100	Unbiased	12.255	12.248	-0.0077
51	100	Unbiased	12.458	12.494	0.0355
52	100	Unbiased	12.65	12.544	-0.1061
53	0	Correlation	12.57	12.633	0.0633
54	0	Correlation	12.473	12.476	0.0023
55	0	Correlation	12.473	12.446	-0.0264
56	0	Correlation	12.405	12.406	0.0011

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	12.405	12.48	12.57	0.067728	12.406	12.49	12.633	0.099366	-0.0264	0.010075	0.0633	0.037878
3	12.295	12.45	12.725	0.13096	12.295	12.454	12.718	0.13503	-0.0131	0.0043	0.042	0.016875
10	12.296	12.463	12.663	0.1153	12.305	12.475	12.694	0.1275	-0.0412	0.01261	0.0544	0.030521
30	12.234	12.473	12.582	0.10251	12.215	12.496	12.629	0.13637	-0.0901	0.02332	0.1029	0.066172
50	12.226	12.404	12.655	0.14084	12.232	12.446	12.634	0.12193	-0.0691	0.04127	0.2181	0.081796
100	12.255	12.549	12.768	0.16166	12.248	12.566	12.8	0.18092	-0.1061	0.01641	0.1752	0.078002

Device Test: 5.83; WD_TMR_500KOHM





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

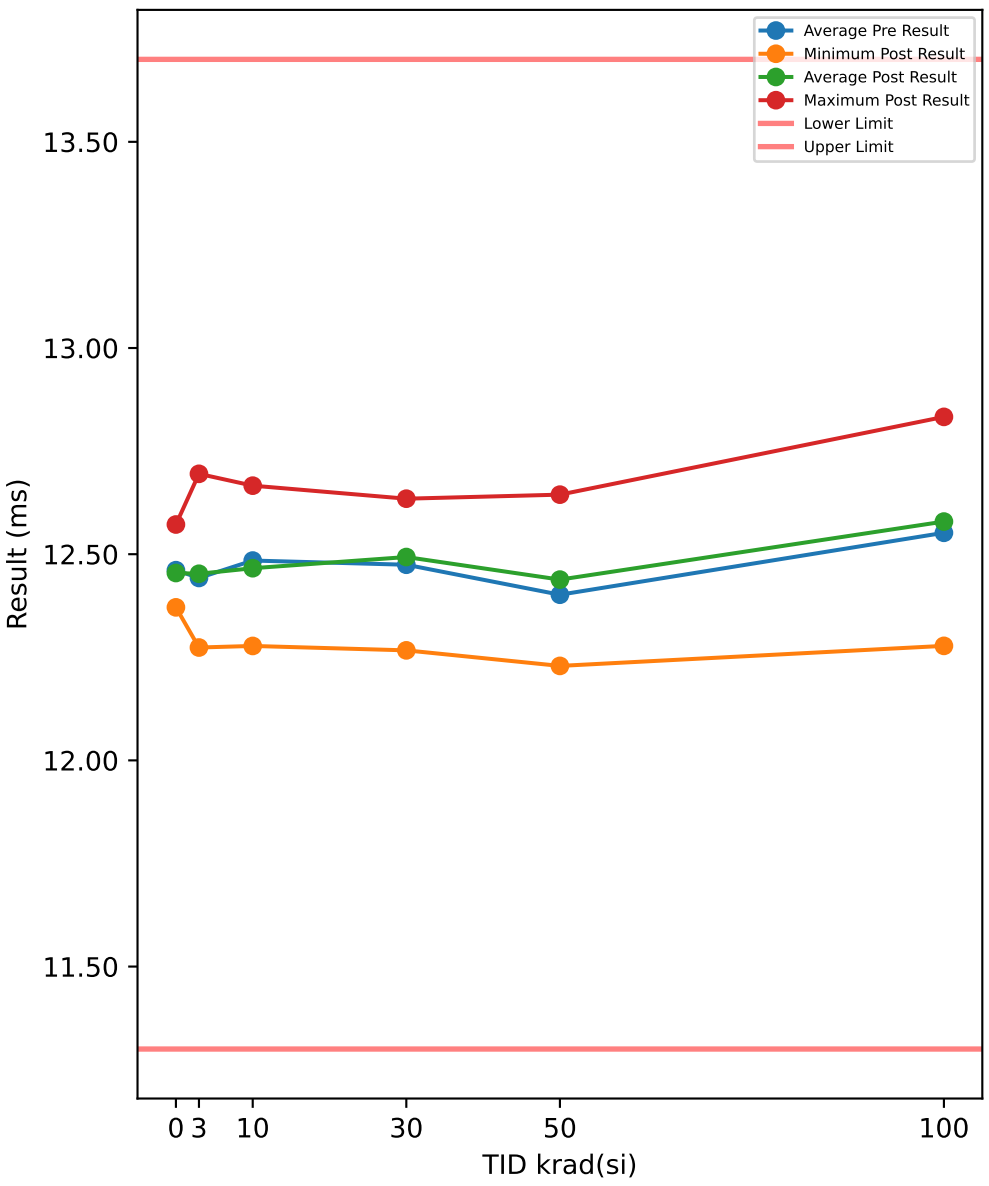
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.0559	1.0568	0.0009
3	3	Biased	1.0579	1.0581	0.0002
4	3	Biased	1.0574	1.0572	-0.0002
5	3	Biased	1.0324	1.0338	0.0014
6	3	Biased	1.0697	1.0717	0.002
7	3	Unbiased	1.0521	1.0507	-0.0014
8	3	Unbiased	1.0477	1.049	0.0013
9	3	Unbiased	1.0623	1.0628	0.0005
10	3	Unbiased	1.0568	1.0565	-0.0003
11	3	Unbiased	1.0583	1.0586	0.0003
12	10	Unbiased	1.0553	1.0517	-0.0036
13	10	Unbiased	1.074	1.0739	-0.0001
14	10	Unbiased	1.0525	1.0542	0.0017
15	10	Unbiased	1.0462	1.0468	0.0006
16	10	Unbiased	1.0469	1.0482	0.0013
17	10	Biased	1.0594	1.0623	0.0029
18	10	Biased	1.0389	1.0396	0.0007
19	10	Biased	1.0636	1.0635	-0.0001
20	10	Biased	1.0562	1.0554	-0.0008
21	10	Biased	1.0665	1.0672	0.0007
22	30	Biased	1.0427	1.0422	-0.0005
23	30	Biased	1.0415	1.0401	-0.0014
24	30	Biased	1.0765	1.0739	-0.0026
25	30	Biased	1.0486	1.0502	0.0016
26	30	Biased	1.0606	1.0613	0.0007
27	30	Unbiased	1.0578	1.0589	0.0011
28	30	Unbiased	1.0678	1.0694	0.0016
29	30	Unbiased	1.0488	1.0511	0.0023
30	30	Unbiased	1.0548	1.0569	0.0021
31	30	Unbiased	1.0566	1.0547	-0.0019
32	50	Biased	1.0458	1.05	0.0042
33	50	Biased	1.0446	1.0474	0.0028
34	50	Biased	1.0528	1.0562	0.0034
35	50	Biased	1.0565	1.0596	0.0031
36	50	Biased	1.0628	1.0647	0.0019
37	50	Unbiased	1.0563	1.062	0.0057
39	50	Unbiased	1.0497	1.0509	0.0012
40	50	Unbiased	1.0563	1.0576	0.0013
41	50	Unbiased	1.0647	1.0696	0.0049
42	50	Unbiased	1.061	1.0663	0.0053
43	100	Biased	1.0408	1.0533	0.0125
44	100	Biased	1.0595	1.0588	-0.0007
45	100	Biased	1.0589	1.0684	0.0095
46	100	Biased	1.0431	1.0487	0.0056
47	100	Biased	1.0529	1.0602	0.0073
48	100	Unbiased	1.0546	1.0599	0.0053
49	100	Unbiased	1.0577	1.0638	0.0061
50	100	Unbiased	1.05	1.0579	0.0079
51	100	Unbiased	1.0509	1.0695	0.0186
52	100	Unbiased	1.0307	1.0365	0.0058
53	0	Correlation	1.0581	1.058	-0.0001
54	0	Correlation	1.0418	1.0417	-0.0001
55	0	Correlation	1.0469	1.0469	0
56	0	Correlation	1.056	1.056	0

Test Statistics (s)

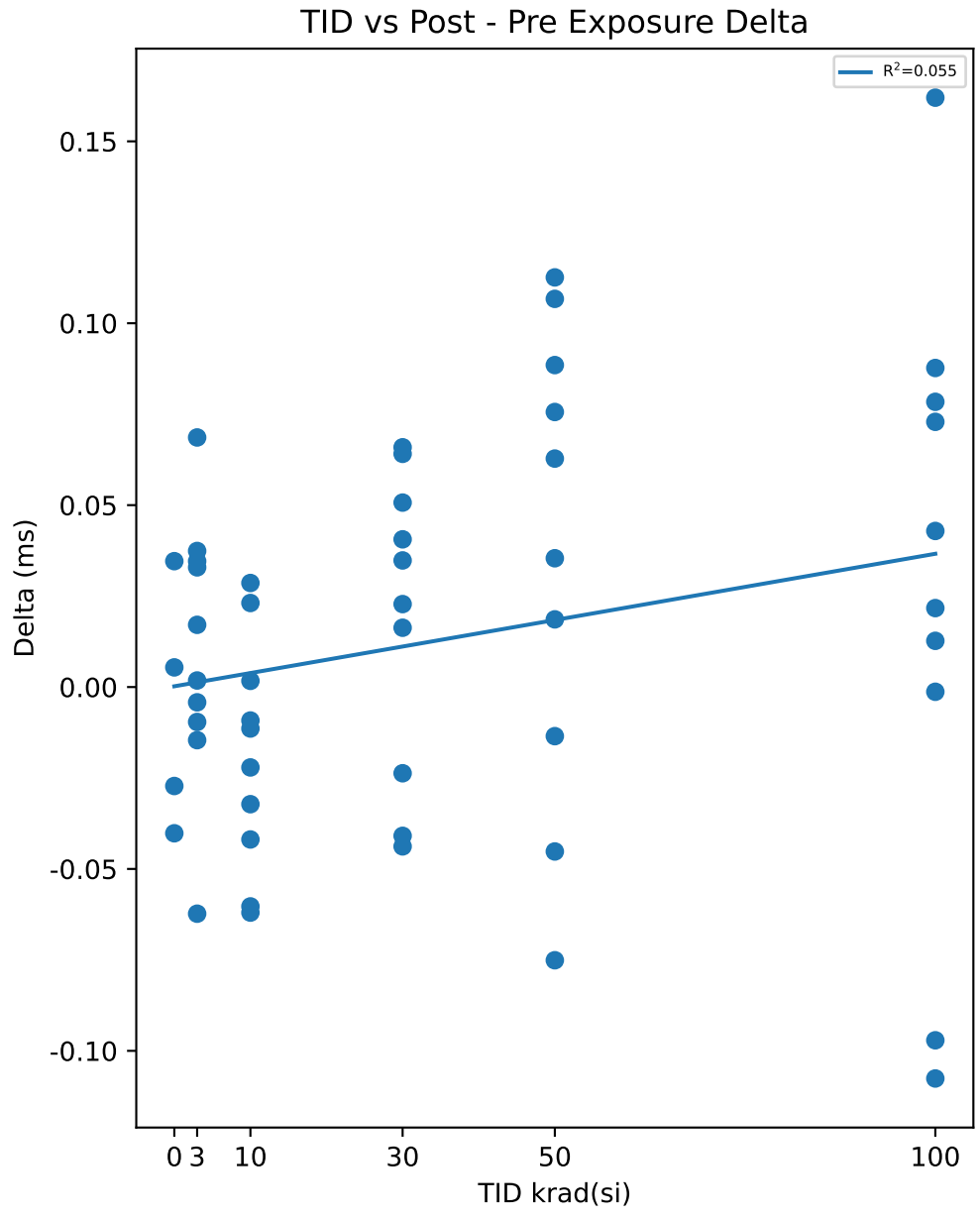
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.0418	1.0507	1.0581	0.0076703	1.0417	1.0507	1.058	0.007677	-0.0001	-5e-05	0	5.7735e-05
3	1.0324	1.0551	1.0697	0.0098371	1.0338	1.0555	1.0717	0.0098537	-0.0014	0.00047	0.002	0.00098438
10	1.0389	1.0559	1.074	0.010475	1.0396	1.0563	1.0739	0.010422	-0.0036	0.00033	0.0029	0.0017276
30	1.0415	1.0556	1.0765	0.010942	1.0401	1.0559	1.0739	0.010748	-0.0026	0.0003	0.0023	0.0017701
50	1.0446	1.0551	1.0647	0.0068497	1.0474	1.0584	1.0696	0.0074179	0.0012	0.00338	0.0057	0.001624
100	1.0307	1.0499	1.0595	0.0092122	1.0365	1.0577	1.0695	0.0097358	-0.0007	0.00779	0.0186	0.0050784

Device Test: 5.84; DLY_TMR_500KOHM

TID vs Result Stats



TID vs Post - Pre Exposure Delta



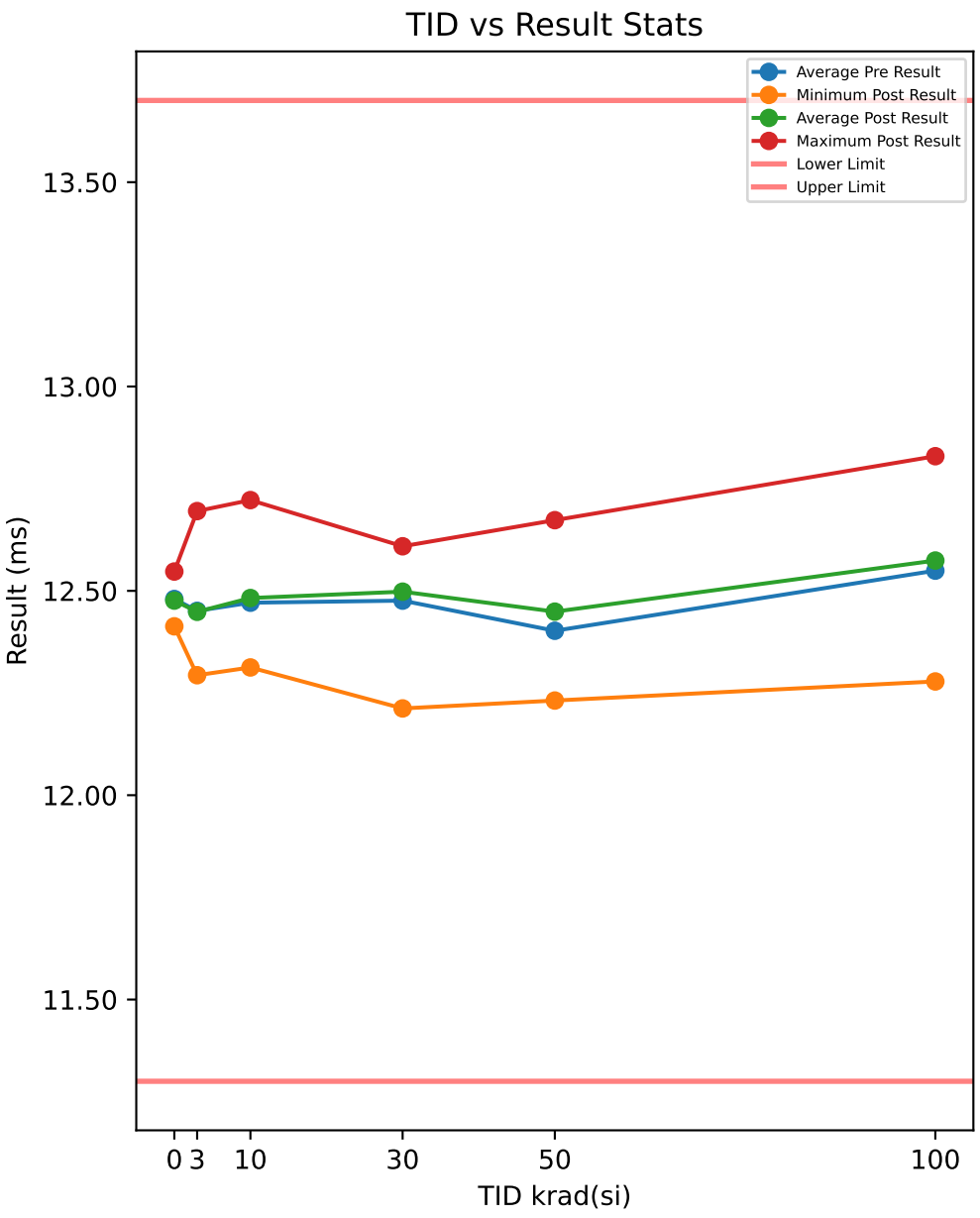
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

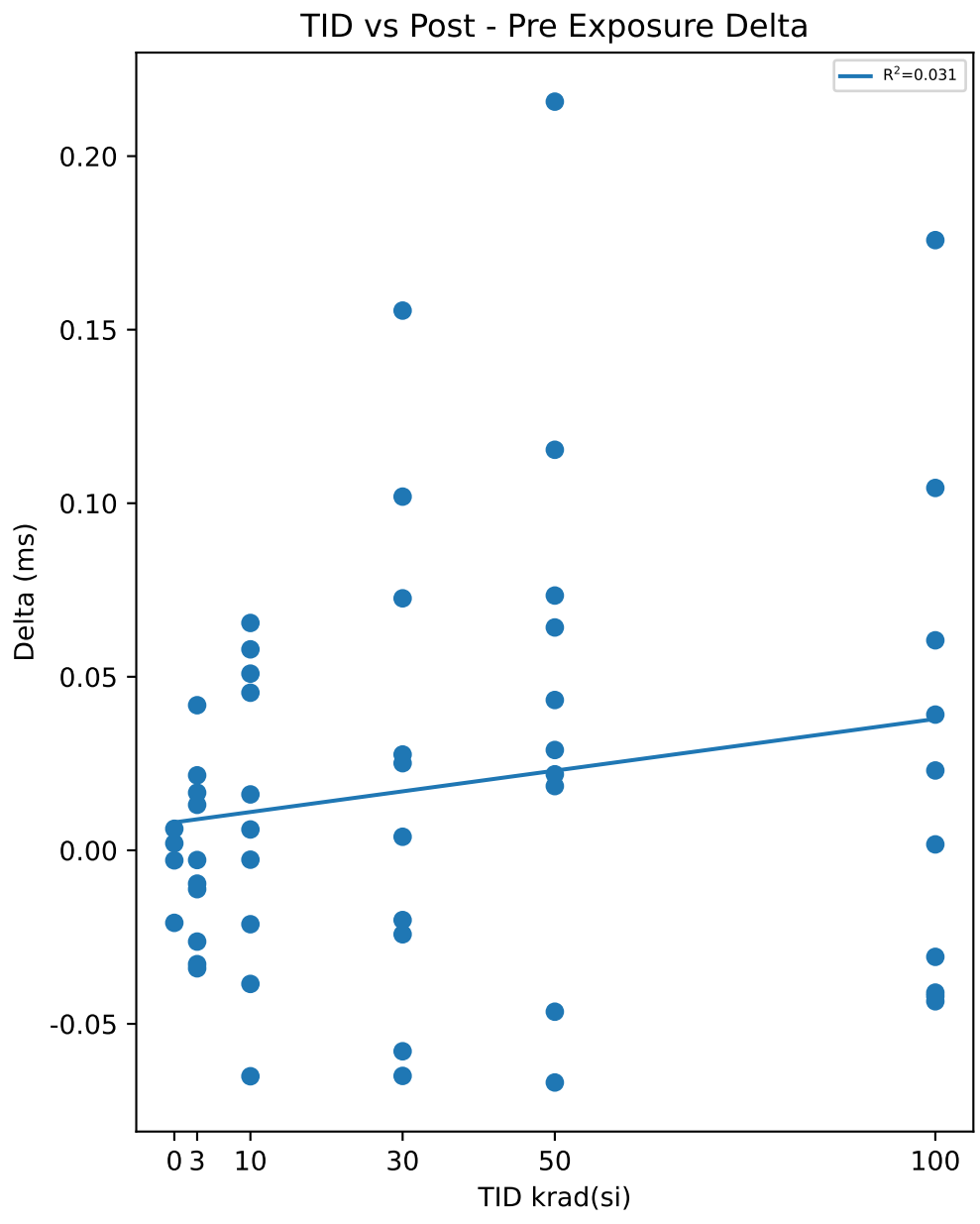
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.377	12.415	0.0374
3	3	Biased	12.352	12.348	-0.0042
4	3	Biased	12.336	12.274	-0.0623
5	3	Biased	12.678	12.695	0.0171
6	3	Biased	12.621	12.611	-0.0096
7	3	Unbiased	12.343	12.345	0.0018
8	3	Unbiased	12.612	12.68	0.0686
9	3	Unbiased	12.397	12.382	-0.0146
10	3	Unbiased	12.353	12.388	0.0346
11	3	Unbiased	12.354	12.387	0.0329
12	10	Unbiased	12.322	12.28	-0.0419
13	10	Unbiased	12.338	12.277	-0.0603
14	10	Unbiased	12.344	12.311	-0.0322
15	10	Unbiased	12.665	12.666	0.0017
16	10	Unbiased	12.51	12.538	0.0286
17	10	Biased	12.643	12.631	-0.0114
18	10	Biased	12.474	12.452	-0.0221
19	10	Biased	12.411	12.434	0.0231
20	10	Biased	12.527	12.465	-0.062
21	10	Biased	12.614	12.605	-0.0092
22	30	Biased	12.455	12.49	0.0348
23	30	Biased	12.392	12.348	-0.0438
24	30	Biased	12.251	12.267	0.0163
25	30	Biased	12.478	12.542	0.0641
26	30	Biased	12.594	12.635	0.0406
27	30	Unbiased	12.478	12.543	0.0659
28	30	Unbiased	12.546	12.569	0.0228
29	30	Unbiased	12.404	12.363	-0.0409
30	30	Unbiased	12.569	12.62	0.0507
31	30	Unbiased	12.579	12.555	-0.0237
32	50	Biased	12.39	12.502	0.1126
33	50	Biased	12.477	12.54	0.0628
34	50	Biased	12.282	12.389	0.1067
35	50	Biased	12.395	12.471	0.0756
36	50	Biased	12.497	12.533	0.0354
37	50	Unbiased	12.211	12.299	0.0885
39	50	Unbiased	12.535	12.46	-0.0751
40	50	Unbiased	12.362	12.317	-0.0452
41	50	Unbiased	12.243	12.229	-0.0135
42	50	Unbiased	12.626	12.644	0.0186
43	100	Biased	12.44	12.483	0.0429
44	100	Biased	12.76	12.833	0.0729
45	100	Biased	12.704	12.792	0.0877
46	100	Biased	12.601	12.614	0.0127
47	100	Biased	12.736	12.735	-0.0013
48	100	Unbiased	12.533	12.695	0.162
49	100	Unbiased	12.425	12.317	-0.1076
50	100	Unbiased	12.256	12.278	0.0217
51	100	Unbiased	12.401	12.48	0.0784
52	100	Unbiased	12.663	12.566	-0.0971
53	0	Correlation	12.599	12.572	-0.0272
54	0	Correlation	12.435	12.395	-0.0402
55	0	Correlation	12.474	12.48	0.0054
56	0	Correlation	12.336	12.371	0.0346

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	12.461	12.599	0.10872	12.371	12.454	12.572	0.091237	-0.0402	-0.00685	0.0346	0.033638
3	12.336	12.442	12.678	0.13631	12.274	12.453	12.695	0.15095	-0.0623	0.01017	0.0686	0.036286
10	12.322	12.485	12.665	0.12907	12.277	12.466	12.666	0.1442	-0.062	-0.01857	0.0286	0.031414
30	12.251	12.474	12.594	0.10629	12.267	12.493	12.635	0.1247	-0.0438	0.01868	0.0659	0.041272
50	12.211	12.402	12.626	0.13359	12.229	12.438	12.644	0.12806	-0.0751	0.03664	0.1126	0.064631
100	12.256	12.552	12.76	0.16816	12.278	12.579	12.833	0.19072	-0.1076	0.02723	0.162	0.082638

Device Test: 5.85; DLY_TMR_500KOHM





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

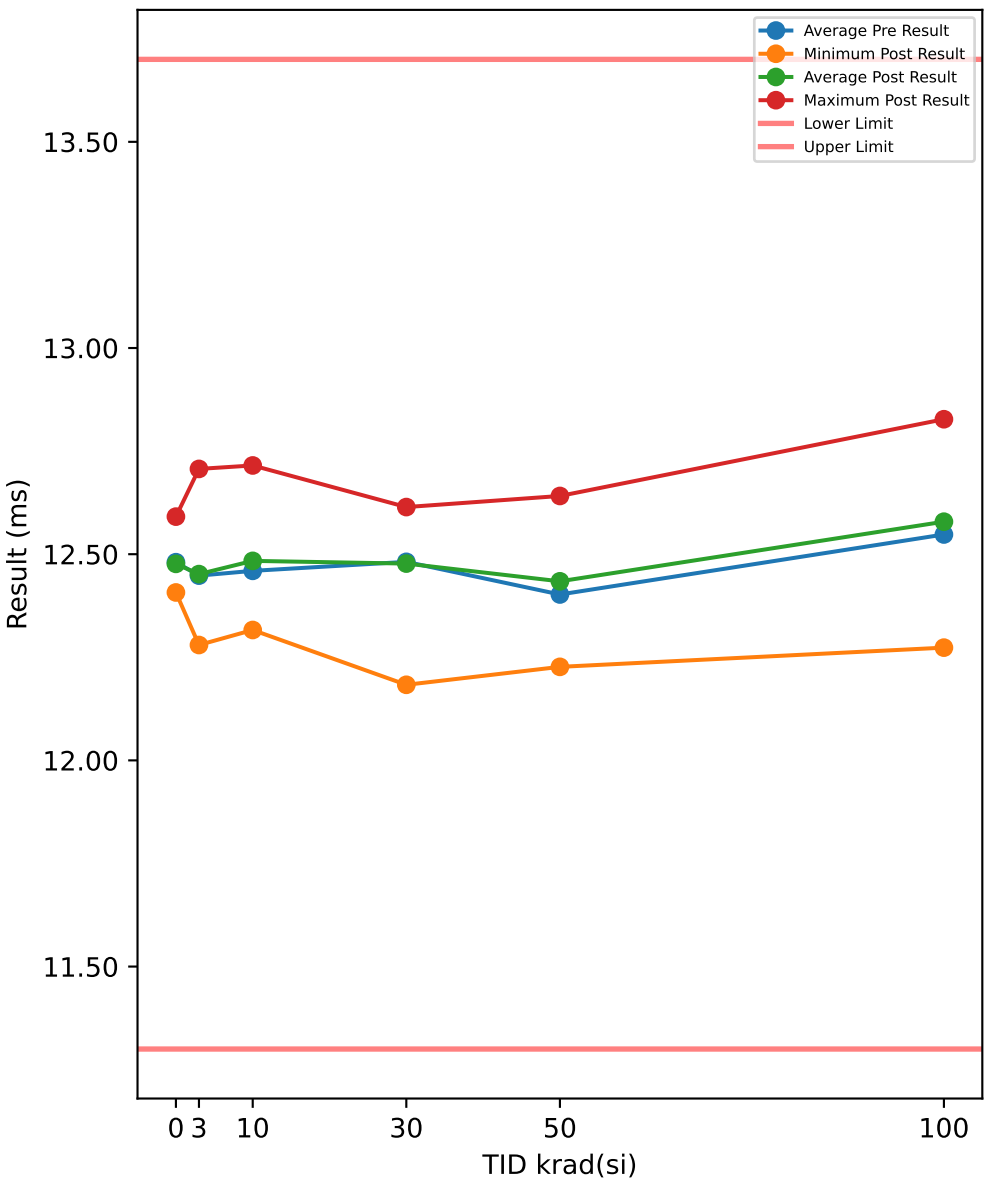
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.413	12.427	0.0131
3	3	Biased	12.37	12.387	0.0166
4	3	Biased	12.296	12.294	-0.0028
5	3	Biased	12.729	12.695	-0.034
6	3	Biased	12.569	12.557	-0.0112
7	3	Unbiased	12.346	12.32	-0.0263
8	3	Unbiased	12.573	12.615	0.0418
9	3	Unbiased	12.42	12.387	-0.0328
10	3	Unbiased	12.397	12.387	-0.0096
11	3	Unbiased	12.397	12.418	0.0216
12	10	Unbiased	12.298	12.314	0.0161
13	10	Unbiased	12.315	12.313	-0.0027
14	10	Unbiased	12.376	12.382	0.006
15	10	Unbiased	12.664	12.722	0.0579
16	10	Unbiased	12.497	12.548	0.0509
17	10	Biased	12.573	12.618	0.0454
18	10	Biased	12.517	12.496	-0.0213
19	10	Biased	12.453	12.415	-0.0385
20	10	Biased	12.475	12.41	-0.0651
21	10	Biased	12.542	12.608	0.0655
22	30	Biased	12.453	12.525	0.0726
23	30	Biased	12.415	12.35	-0.065
24	30	Biased	12.236	12.212	-0.0242
25	30	Biased	12.46	12.562	0.1019
26	30	Biased	12.582	12.609	0.0276
27	30	Unbiased	12.449	12.604	0.1555
28	30	Unbiased	12.551	12.555	0.0039
29	30	Unbiased	12.474	12.416	-0.0579
30	30	Unbiased	12.589	12.569	-0.0201
31	30	Unbiased	12.553	12.578	0.0251
32	50	Biased	12.436	12.509	0.0734
33	50	Biased	12.498	12.52	0.0219
34	50	Biased	12.263	12.478	0.2157
35	50	Biased	12.377	12.493	0.1154
36	50	Biased	12.514	12.447	-0.0669
37	50	Unbiased	12.227	12.292	0.0642
39	50	Unbiased	12.488	12.531	0.0433
40	50	Unbiased	12.362	12.316	-0.0465
41	50	Unbiased	12.203	12.232	0.0289
42	50	Unbiased	12.655	12.673	0.0185
43	100	Biased	12.435	12.474	0.0391
44	100	Biased	12.769	12.829	0.0605
45	100	Biased	12.702	12.806	0.1044
46	100	Biased	12.562	12.564	0.0017
47	100	Biased	12.711	12.67	-0.041
48	100	Unbiased	12.544	12.72	0.1758
49	100	Unbiased	12.412	12.369	-0.0435
50	100	Unbiased	12.255	12.278	0.023
51	100	Unbiased	12.457	12.427	-0.0307
52	100	Unbiased	12.647	12.605	-0.042
53	0	Correlation	12.568	12.547	-0.0209
54	0	Correlation	12.473	12.475	0.002
55	0	Correlation	12.472	12.469	-0.0029
56	0	Correlation	12.407	12.413	0.0062

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	12.407	12.48	12.568	0.066382	12.413	12.476	12.547	0.054999	-0.0209	-0.0039	0.0062	0.011928
3	12.296	12.451	12.729	0.13162	12.294	12.449	12.695	0.13072	-0.034	-0.00236	0.0418	0.025286
10	12.298	12.471	12.664	0.11505	12.313	12.482	12.722	0.13874	-0.0651	0.01142	0.0655	0.044054
30	12.236	12.476	12.589	0.10432	12.212	12.498	12.609	0.1305	-0.065	0.02194	0.1555	0.070707
50	12.203	12.402	12.655	0.14378	12.232	12.449	12.673	0.13262	-0.0669	0.04679	0.2157	0.080021
100	12.255	12.549	12.769	0.16132	12.278	12.574	12.829	0.18622	-0.0435	0.02473	0.1758	0.072793

Device Test: 5.86; DLY_TMR_500KOHM

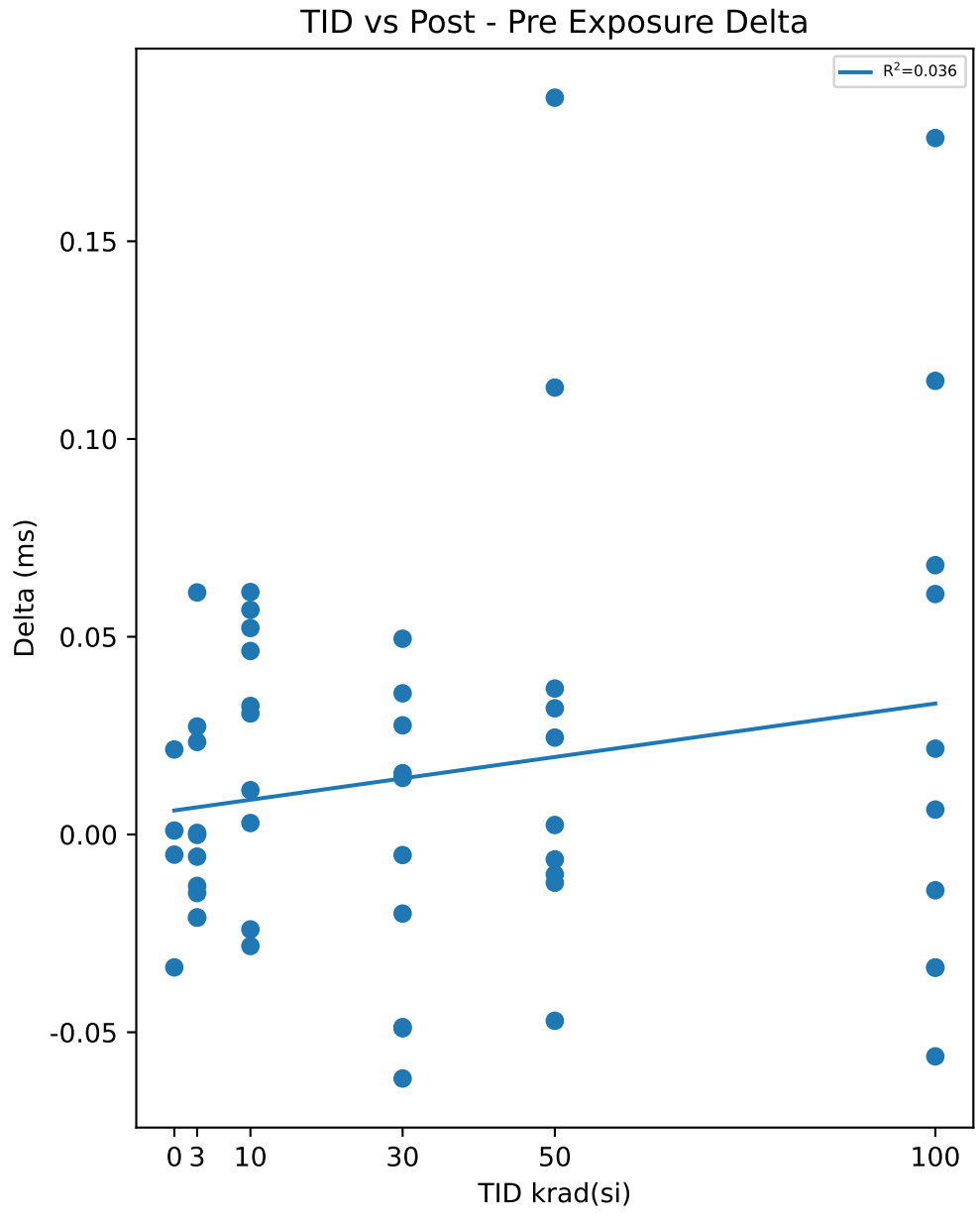
TID vs Result Stats



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

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.409	12.409	-0.0001
3	3	Biased	12.364	12.359	-0.0056
4	3	Biased	12.293	12.28	-0.013
5	3	Biased	12.728	12.707	-0.021
6	3	Biased	12.571	12.571	0.0004
7	3	Unbiased	12.344	12.323	-0.021
8	3	Unbiased	12.57	12.631	0.0612
9	3	Unbiased	12.419	12.404	-0.0148
10	3	Unbiased	12.391	12.418	0.0273
11	3	Unbiased	12.392	12.415	0.0234
12	10	Unbiased	12.293	12.326	0.0325
13	10	Unbiased	12.313	12.316	0.0029
14	10	Unbiased	12.373	12.349	-0.024
15	10	Unbiased	12.663	12.715	0.0522
16	10	Unbiased	12.496	12.542	0.0464
17	10	Biased	12.572	12.628	0.0568
18	10	Biased	12.437	12.498	0.0613
19	10	Biased	12.443	12.415	-0.0282
20	10	Biased	12.475	12.506	0.0306
21	10	Biased	12.532	12.543	0.0112
22	30	Biased	12.447	12.461	0.0143
23	30	Biased	12.413	12.365	-0.0487
24	30	Biased	12.232	12.183	-0.049
25	30	Biased	12.457	12.485	0.0276
26	30	Biased	12.579	12.614	0.0357
27	30	Unbiased	12.533	12.528	-0.0052
28	30	Unbiased	12.539	12.589	0.0495
29	30	Unbiased	12.474	12.412	-0.0617
30	30	Unbiased	12.587	12.567	-0.02
31	30	Unbiased	12.553	12.569	0.0155
32	50	Biased	12.433	12.423	-0.0101
33	50	Biased	12.498	12.534	0.0369
34	50	Biased	12.258	12.444	0.1863
35	50	Biased	12.377	12.489	0.113
36	50	Biased	12.513	12.507	-0.0063
37	50	Unbiased	12.226	12.251	0.0245
39	50	Unbiased	12.486	12.518	0.0319
40	50	Unbiased	12.355	12.308	-0.0471
41	50	Unbiased	12.224	12.227	0.0024
42	50	Unbiased	12.653	12.641	-0.0122
43	100	Biased	12.432	12.547	0.1147
44	100	Biased	12.767	12.827	0.0608
45	100	Biased	12.702	12.77	0.0681
46	100	Biased	12.557	12.563	0.0063
47	100	Biased	12.711	12.697	-0.0141
48	100	Unbiased	12.542	12.718	0.1761
49	100	Unbiased	12.411	12.355	-0.0561
50	100	Unbiased	12.252	12.273	0.0217
51	100	Unbiased	12.457	12.424	-0.0336
52	100	Unbiased	12.648	12.614	-0.0337
53	0	Correlation	12.57	12.591	0.0215
54	0	Correlation	12.473	12.439	-0.0336
55	0	Correlation	12.474	12.469	-0.0051
56	0	Correlation	12.406	12.407	0.001

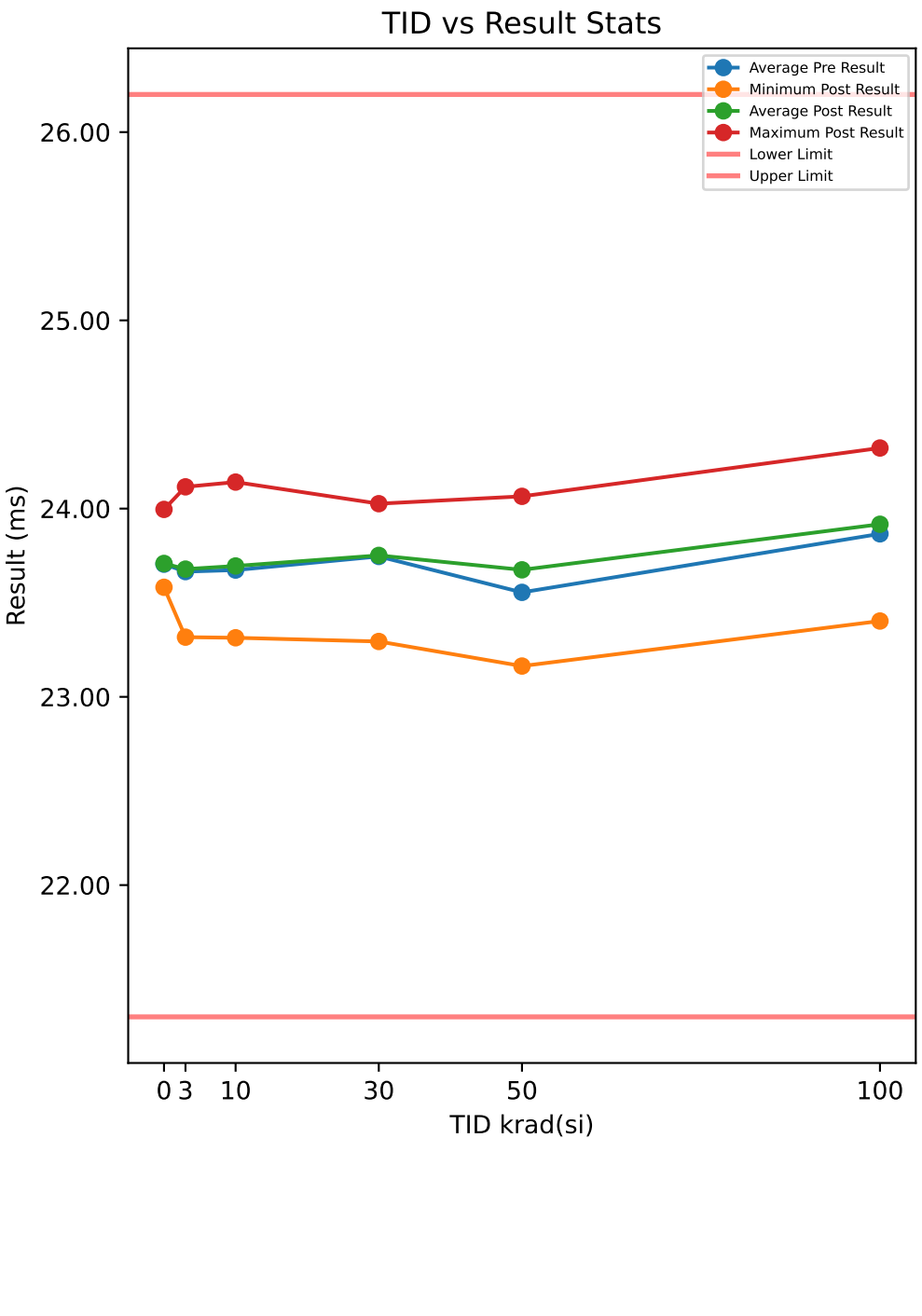
TID vs Post - Pre Exposure Delta

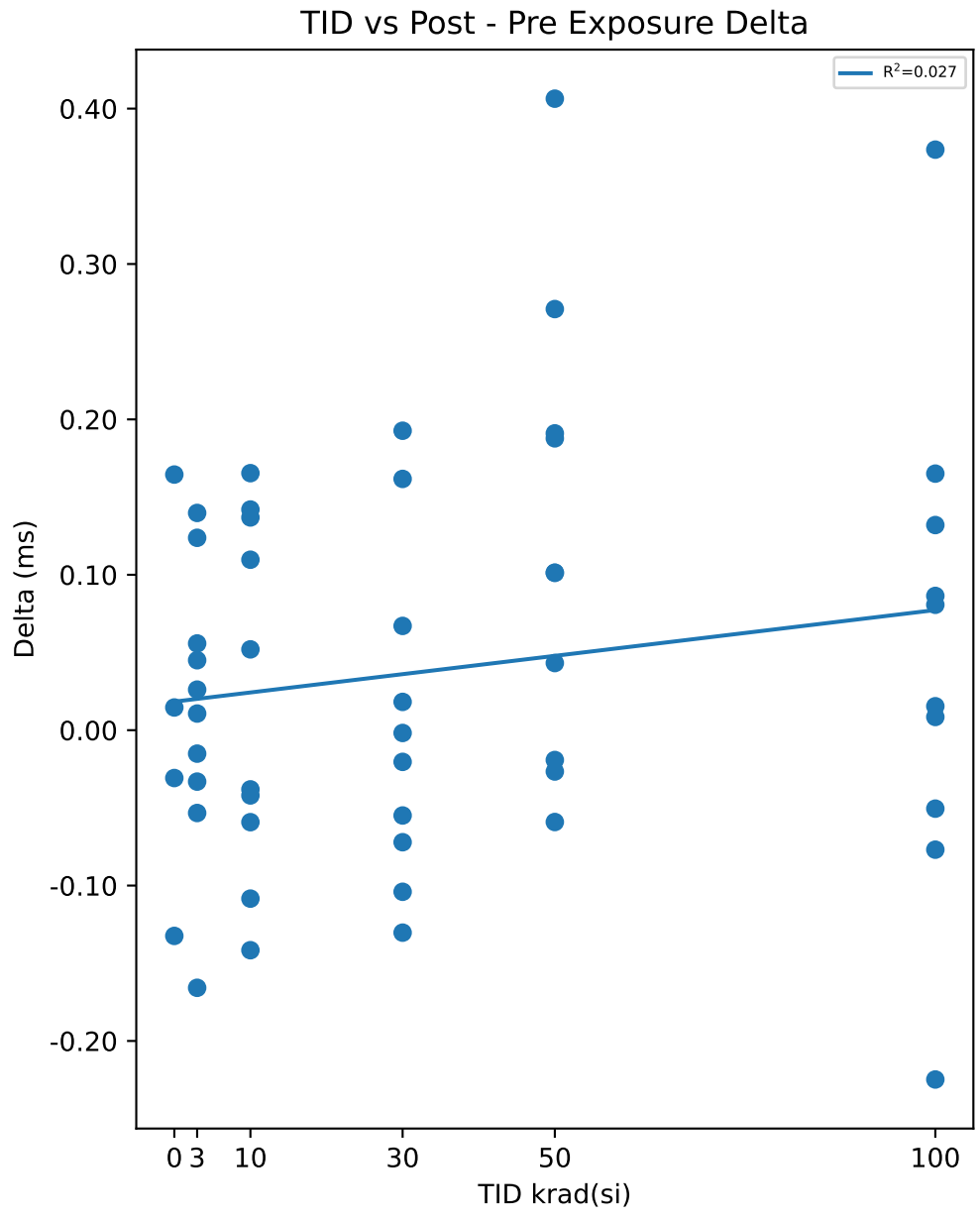


Test Statistics (ms)

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	12.406	12.481	12.57	0.067239	12.407	12.477	12.591	0.080378	-0.0336	-0.00405	0.0215	0.022749
3	12.293	12.448	12.728	0.13286	12.28	12.452	12.707	0.13857	-0.021	0.00368	0.0612	0.026256
10	12.293	12.46	12.663	0.1145	12.316	12.484	12.715	0.13249	-0.0282	0.02417	0.0613	0.032519
30	12.232	12.481	12.587	0.10554	12.183	12.477	12.614	0.13069	-0.0617	-0.0042	0.0495	0.039103
50	12.224	12.402	12.653	0.14089	12.227	12.434	12.641	0.13372	-0.0471	0.03193	0.1863	0.068941
100	12.252	12.548	12.767	0.16205	12.273	12.579	12.827	0.18306	-0.0561	0.03102	0.1761	0.073787

Device Test: 5.87; DLY_TMR_1MOHM





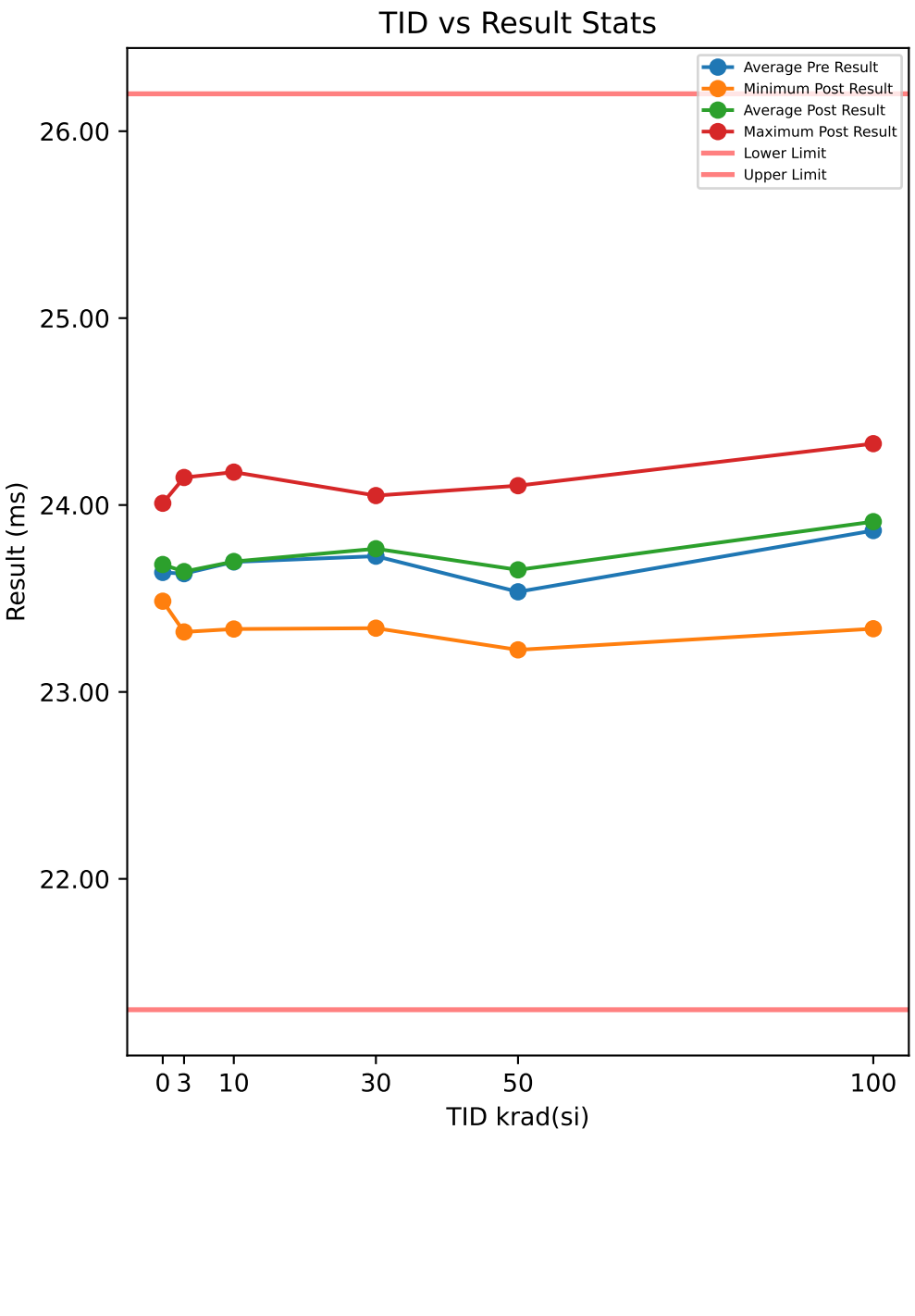
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

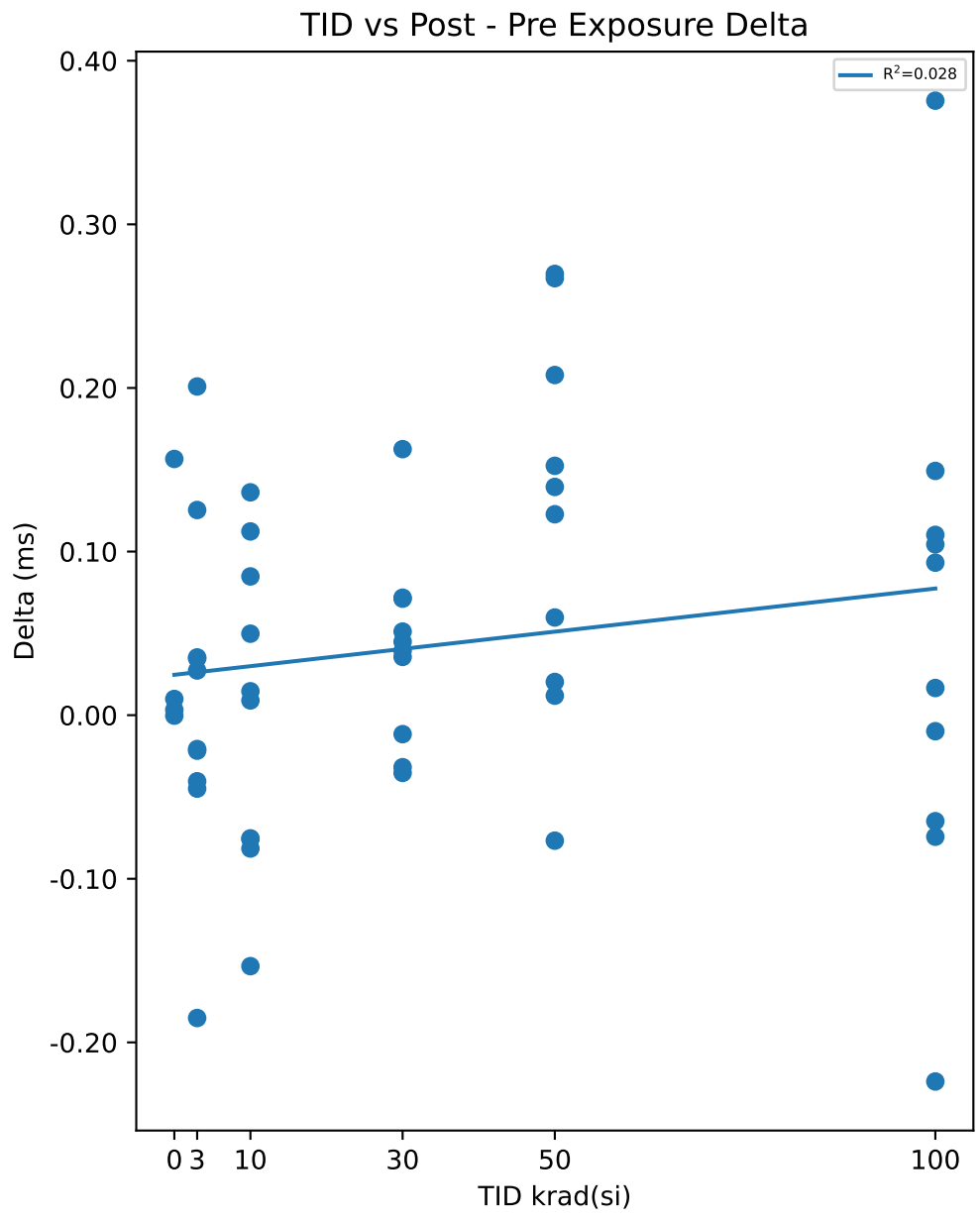
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.72	23.731	0.0107
3	3	Biased	23.523	23.578	0.0558
4	3	Biased	23.483	23.317	-0.1658
5	3	Biased	24.169	24.116	-0.0533
6	3	Biased	23.84	23.98	0.1398
7	3	Unbiased	23.357	23.342	-0.0151
8	3	Unbiased	23.914	24.038	0.1238
9	3	Unbiased	23.543	23.509	-0.0331
10	3	Unbiased	23.517	23.562	0.045
11	3	Unbiased	23.587	23.614	0.0261
12	10	Unbiased	23.262	23.314	0.052
13	10	Unbiased	23.445	23.407	-0.0381
14	10	Unbiased	23.497	23.663	0.1654
15	10	Unbiased	23.999	24.141	0.142
16	10	Unbiased	23.77	23.88	0.1097
17	10	Biased	23.892	24.029	0.1369
18	10	Biased	23.633	23.525	-0.1084
19	10	Biased	23.617	23.575	-0.042
20	10	Biased	23.746	23.605	-0.1416
21	10	Biased	23.873	23.814	-0.0592
22	30	Biased	23.826	23.824	-0.0018
23	30	Biased	23.51	23.406	-0.104
24	30	Biased	23.366	23.294	-0.0721
25	30	Biased	23.646	23.664	0.0182
26	30	Biased	23.873	23.94	0.0671
27	30	Unbiased	23.864	24.026	0.1617
28	30	Unbiased	23.831	24.024	0.1927
29	30	Unbiased	23.648	23.518	-0.1303
30	30	Unbiased	23.956	23.901	-0.0549
31	30	Unbiased	23.936	23.916	-0.0204
32	50	Biased	23.598	23.789	0.191
33	50	Biased	23.535	23.806	0.271
34	50	Biased	23.461	23.867	0.4064
35	50	Biased	23.613	23.656	0.0432
36	50	Biased	23.767	23.954	0.1878
37	50	Unbiased	23.176	23.277	0.1013
39	50	Unbiased	23.671	23.772	0.1013
40	50	Unbiased	23.456	23.397	-0.0591
41	50	Unbiased	23.183	23.164	-0.0192
42	50	Unbiased	24.092	24.065	-0.0266
43	100	Biased	23.839	23.92	0.0807
44	100	Biased	24.023	24.155	0.132
45	100	Biased	24.157	24.322	0.1651
46	100	Biased	24.05	24.066	0.0154
47	100	Biased	24.264	24.187	-0.0769
48	100	Unbiased	23.878	24.251	0.3736
49	100	Unbiased	23.414	23.5	0.0864
50	100	Unbiased	23.394	23.403	0.0085
51	100	Unbiased	23.621	23.571	-0.0505
52	100	Unbiased	24.019	23.794	-0.2248
53	0	Correlation	23.981	23.996	0.0146
54	0	Correlation	23.646	23.615	-0.0308
55	0	Correlation	23.478	23.642	0.1645
56	0	Correlation	23.714	23.582	-0.1324

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	23.478	23.705	23.981	0.20939	23.582	23.709	23.996	0.19291	-0.1324	0.003975	0.1645	0.12341
3	23.357	23.665	24.169	0.24517	23.317	23.679	24.116	0.28168	-0.1658	0.01339	0.1398	0.08861
10	23.262	23.673	23.999	0.22741	23.314	23.695	24.141	0.26653	-0.1416	0.02167	0.1654	0.11295
30	23.366	23.746	23.956	0.19538	23.294	23.751	24.026	0.26466	-0.1303	0.00562	0.1927	0.10761
50	23.176	23.555	24.092	0.26939	23.164	23.675	24.065	0.299	-0.0591	0.11971	0.4064	0.14682
100	23.394	23.866	24.264	0.30052	23.403	23.917	24.322	0.33346	-0.2248	0.05095	0.3736	0.16041

Device Test: 5.88; DLY_TMR_1MOHM





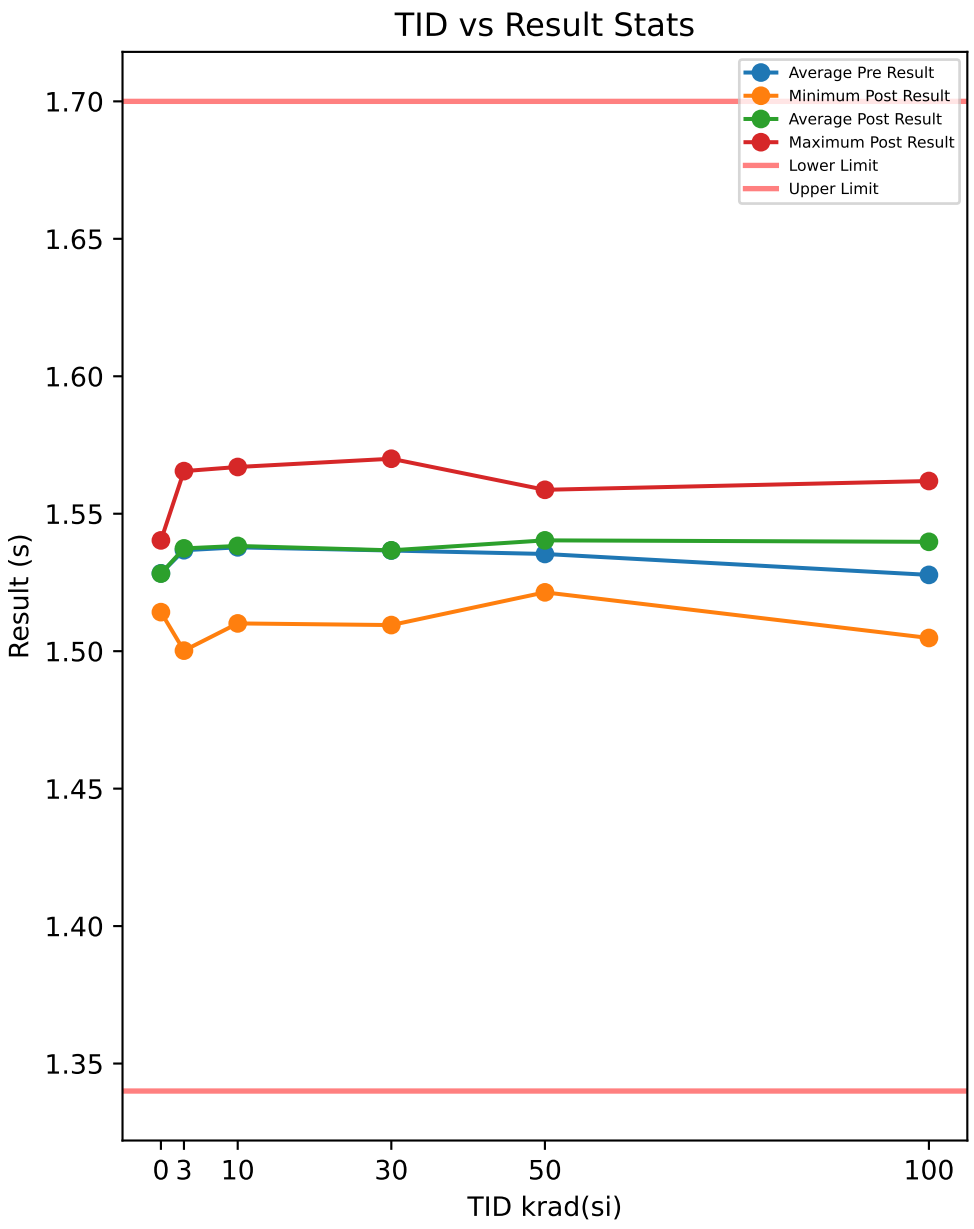
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

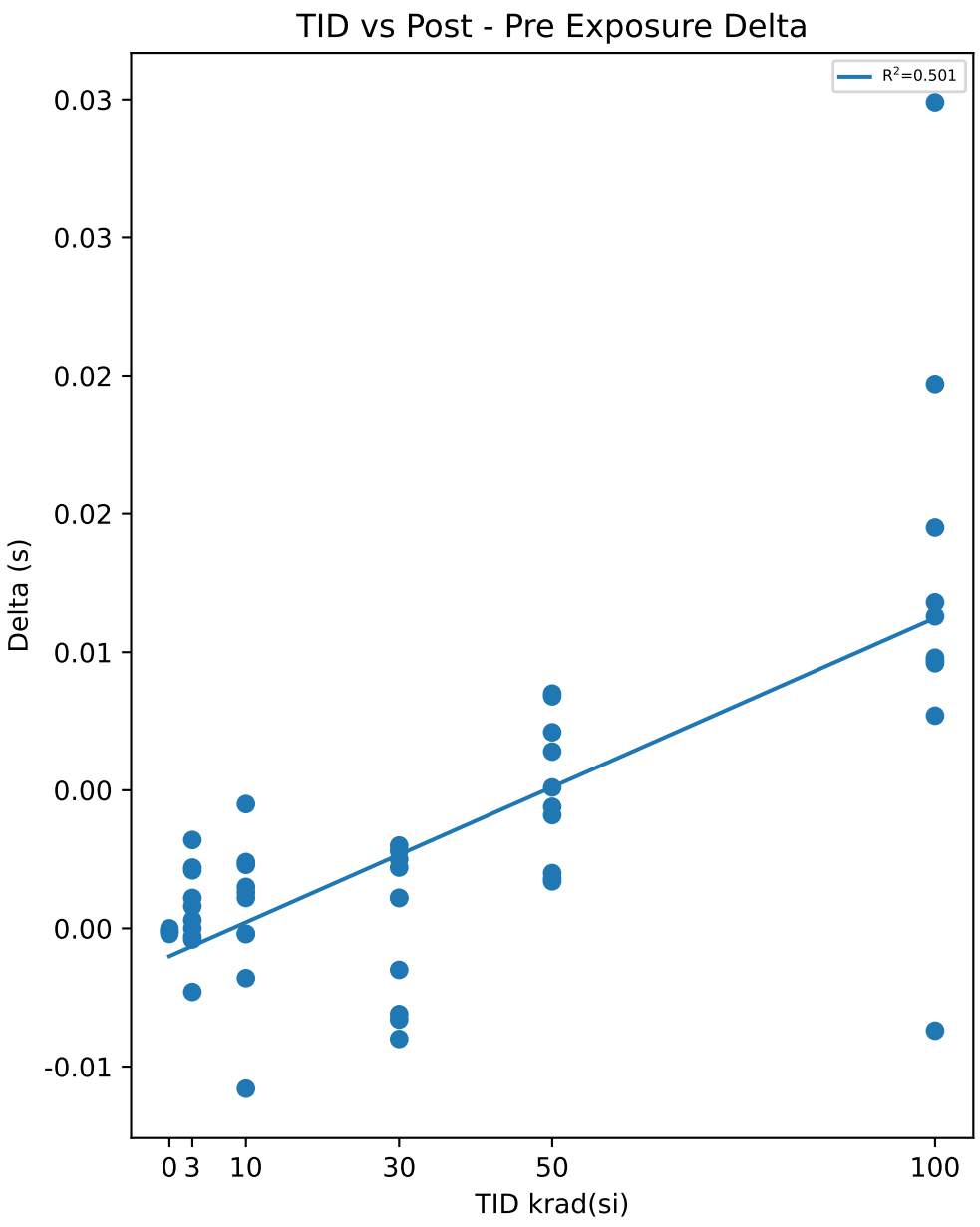
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.56	23.588	0.0273
3	3	Biased	23.546	23.581	0.0347
4	3	Biased	23.506	23.321	-0.1851
5	3	Biased	24.188	24.147	-0.0404
6	3	Biased	23.866	23.844	-0.0217
7	3	Unbiased	23.379	23.334	-0.0449
8	3	Unbiased	23.934	24.06	0.1254
9	3	Unbiased	23.383	23.362	-0.0207
10	3	Unbiased	23.358	23.559	0.2009
11	3	Unbiased	23.608	23.643	0.0353
12	10	Unbiased	23.287	23.337	0.0498
13	10	Unbiased	23.471	23.486	0.0146
14	10	Unbiased	23.521	23.53	0.009
15	10	Unbiased	24.04	24.176	0.1362
16	10	Unbiased	23.79	23.902	0.1123
17	10	Biased	23.912	23.997	0.0848
18	10	Biased	23.631	23.549	-0.0815
19	10	Biased	23.642	23.567	-0.0753
20	10	Biased	23.765	23.612	-0.1534
21	10	Biased	23.897	23.821	-0.0757
22	30	Biased	23.851	23.839	-0.0116
23	30	Biased	23.349	23.421	0.0718
24	30	Biased	23.373	23.341	-0.0318
25	30	Biased	23.666	23.701	0.0356
26	30	Biased	23.894	23.965	0.0712
27	30	Unbiased	23.888	24.05	0.1626
28	30	Unbiased	23.851	23.902	0.0511
29	30	Unbiased	23.485	23.53	0.0449
30	30	Unbiased	23.975	23.939	-0.0353
31	30	Unbiased	23.932	23.971	0.0394
32	50	Biased	23.622	23.774	0.1524
33	50	Biased	23.545	23.814	0.2697
34	50	Biased	23.485	23.753	0.2671
35	50	Biased	23.455	23.663	0.2079
36	50	Biased	23.783	23.843	0.0597
37	50	Unbiased	23.177	23.3	0.1228
39	50	Unbiased	23.693	23.616	-0.0767
40	50	Unbiased	23.299	23.439	0.1395
41	50	Unbiased	23.205	23.225	0.0203
42	50	Unbiased	24.092	24.104	0.0119
43	100	Biased	23.841	23.934	0.0932
44	100	Biased	24.043	24.153	0.1102
45	100	Biased	24.179	24.328	0.1493
46	100	Biased	24.073	24.09	0.0166
47	100	Biased	24.259	24.194	-0.0648
48	100	Unbiased	23.898	24.274	0.3756
49	100	Unbiased	23.413	23.338	-0.0743
50	100	Unbiased	23.434	23.424	-0.0098
51	100	Unbiased	23.456	23.56	0.1044
52	100	Unbiased	24.038	23.815	-0.2239
53	0	Correlation	24	24.009	0.0099
54	0	Correlation	23.482	23.485	0.0033
55	0	Correlation	23.499	23.499	-0.0003
56	0	Correlation	23.576	23.733	0.1566

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	23.482	23.639	24	0.24364	23.485	23.682	24.009	0.2463	-0.0003	0.042375	0.1566	0.076267
3	23.358	23.633	24.188	0.27587	23.321	23.644	24.147	0.29065	-0.1851	0.01108	0.2009	0.10374
10	23.287	23.696	24.04	0.22959	23.337	23.698	24.176	0.26354	-0.1534	0.00208	0.1362	0.095834
30	23.349	23.726	23.975	0.23996	23.341	23.766	24.05	0.25303	-0.0353	0.03979	0.1626	0.058376
50	23.177	23.536	24.092	0.27991	23.225	23.653	24.104	0.26762	-0.0767	0.11746	0.2697	0.11407
100	23.413	23.863	24.259	0.31954	23.338	23.911	24.328	0.36132	-0.2239	0.04765	0.3756	0.16077

Device Test: 5.89; WD_TMR_1MOHM





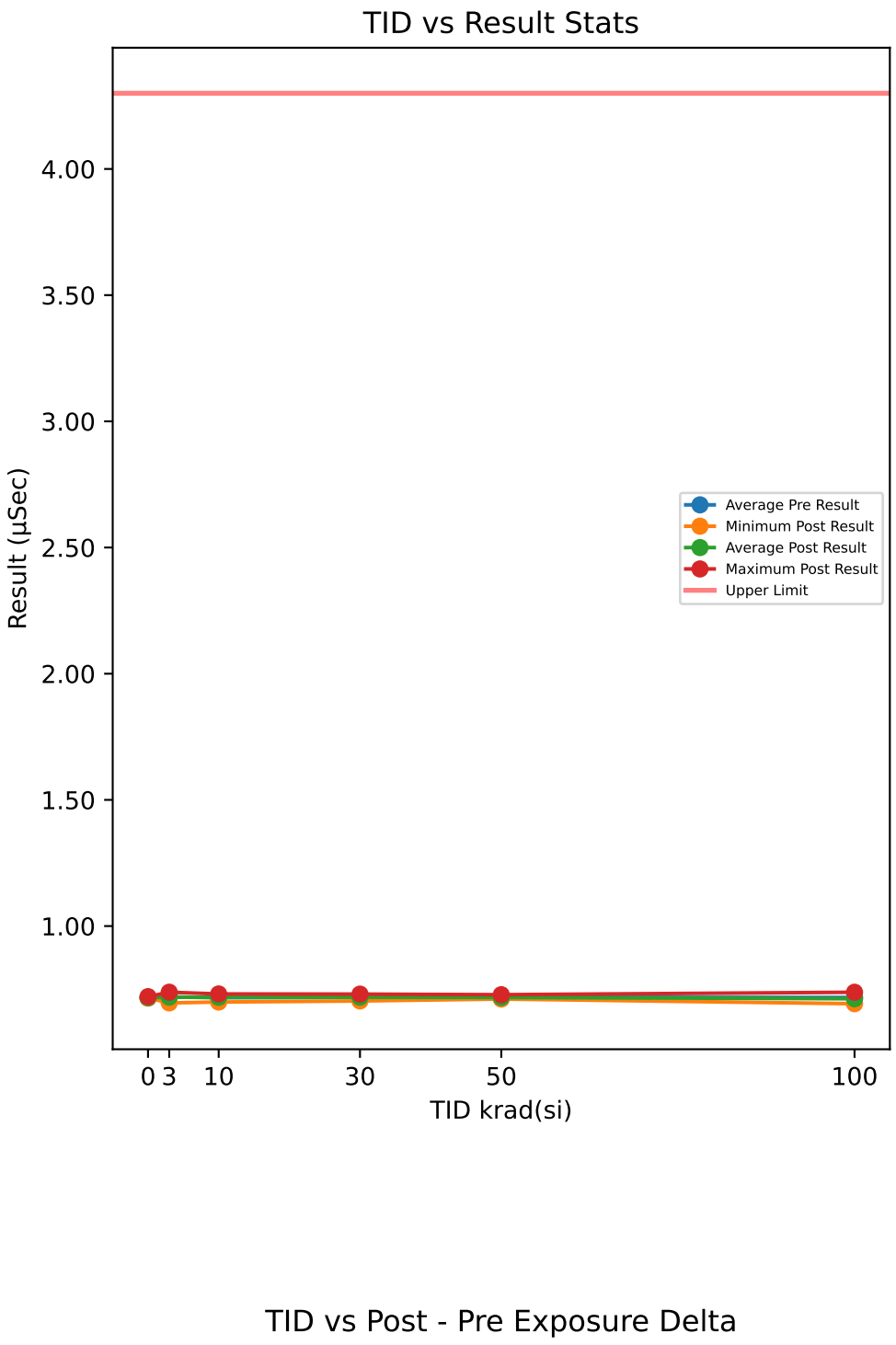
Test Results (Lower Limit = 1.34, Upper Limit = 1.7 (s))

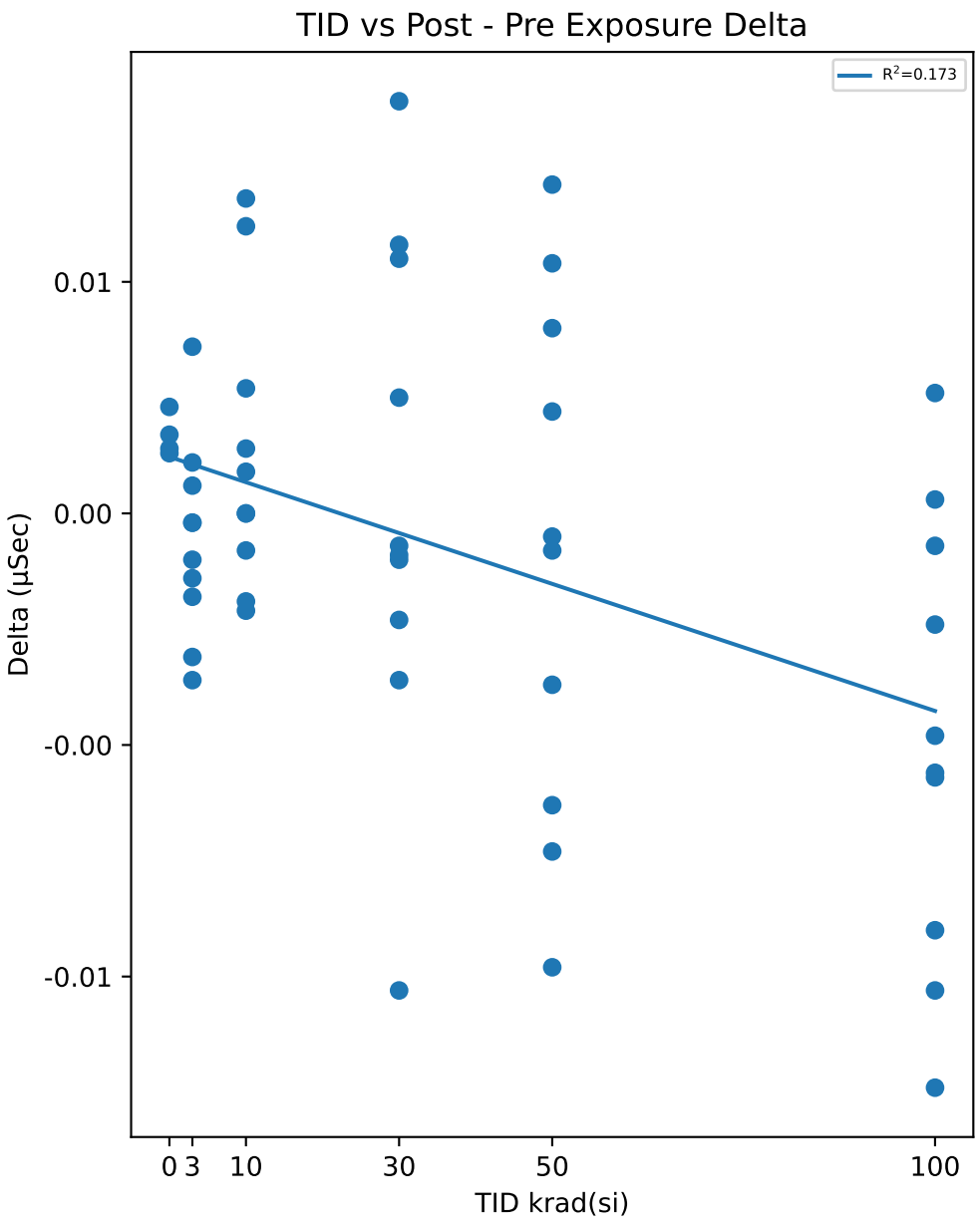
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.5386	1.5397	0.0011
3	3	Biased	1.5432	1.5432	0
4	3	Biased	1.538	1.5376	-0.0004
5	3	Biased	1.498	1.5002	0.0022
6	3	Biased	1.5623	1.5655	0.0032
7	3	Unbiased	1.5328	1.5305	-0.0023
8	3	Unbiased	1.5254	1.5275	0.0021
9	3	Unbiased	1.5489	1.5497	0.0008
10	3	Unbiased	1.5385	1.5382	-0.0003
11	3	Unbiased	1.5415	1.5418	0.0003
12	10	Unbiased	1.5361	1.5303	-0.0058
13	10	Unbiased	1.5672	1.567	-0.0002
14	10	Unbiased	1.5314	1.5338	0.0024
15	10	Unbiased	1.5223	1.5236	0.0013
16	10	Unbiased	1.5214	1.5237	0.0023
17	10	Biased	1.5442	1.5487	0.0045
18	10	Biased	1.509	1.5101	0.0011
19	10	Biased	1.5494	1.5492	-0.0002
20	10	Biased	1.5411	1.5393	-0.0018
21	10	Biased	1.5556	1.5571	0.0015
22	30	Biased	1.5144	1.5129	-0.0015
23	30	Biased	1.5126	1.5095	-0.0031
24	30	Biased	1.574	1.57	-0.004
25	30	Biased	1.5248	1.527	0.0022
26	30	Biased	1.5436	1.5447	0.0011
27	30	Unbiased	1.5392	1.5403	0.0011
28	30	Unbiased	1.5555	1.558	0.0025
29	30	Unbiased	1.5259	1.5289	0.003
30	30	Unbiased	1.5363	1.5391	0.0028
31	30	Unbiased	1.5398	1.5365	-0.0033
32	50	Biased	1.5193	1.5257	0.0064
33	50	Biased	1.5173	1.5214	0.0041
34	50	Biased	1.5335	1.5386	0.0051
35	50	Biased	1.5388	1.5432	0.0044
36	50	Biased	1.5488	1.5508	0.002
37	50	Unbiased	1.5363	1.5447	0.0084
39	50	Unbiased	1.525	1.5268	0.0018
40	50	Unbiased	1.5364	1.5381	0.0017
41	50	Unbiased	1.5516	1.5587	0.0071
42	50	Unbiased	1.5466	1.5551	0.0085
43	100	Biased	1.5137	1.5334	0.0197
44	100	Biased	1.5436	1.5399	-0.0037
45	100	Biased	1.542	1.5565	0.0145
46	100	Biased	1.5161	1.5259	0.0098
47	100	Biased	1.5304	1.5417	0.0113
48	100	Unbiased	1.5349	1.5426	0.0077
49	100	Unbiased	1.5415	1.5511	0.0096
50	100	Unbiased	1.5282	1.54	0.0118
51	100	Unbiased	1.532	1.5619	0.0299
52	100	Unbiased	1.4951	1.5048	0.0097
53	0	Correlation	1.5404	1.5403	-0.0001
54	0	Correlation	1.5144	1.5142	-0.0002
55	0	Correlation	1.5218	1.5217	-0.0001
56	0	Correlation	1.5367	1.5367	0

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	1.5144	1.5283	1.5404	0.01228	1.5142	1.5282	1.5403	0.012341	-0.0002	-0.0001	0	8.165e-05
3	1.498	1.5367	1.5623	0.016729	1.5002	1.5374	1.5655	0.016764	-0.0023	0.00067	0.0032	0.0015805
10	1.509	1.5378	1.5672	0.01748	1.5101	1.5383	1.567	0.017365	-0.0058	0.00051	0.0045	0.0028049
30	1.5126	1.5366	1.574	0.018692	1.5095	1.5367	1.57	0.018579	-0.004	8e-05	0.003	0.0027696
50	1.5173	1.5354	1.5516	0.011923	1.5214	1.5403	1.5587	0.012719	0.0017	0.00495	0.0085	0.0026133
100	1.4951	1.5277	1.5436	0.015344	1.5048	1.5398	1.5619	0.016213	-0.0037	0.01203	0.0299	0.008611

Device Test: 5.9; PROPD_RESET





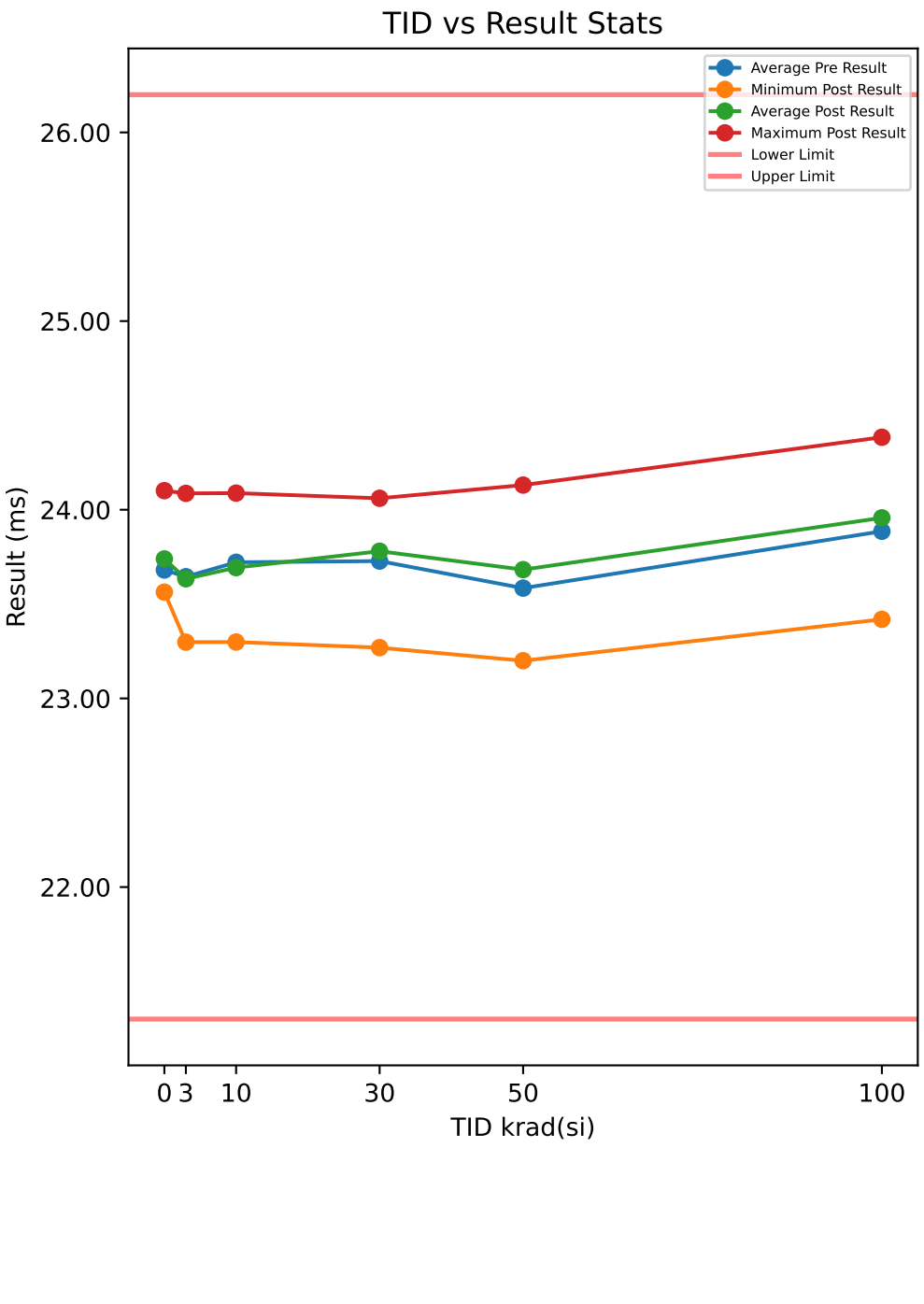
Test Results (Upper Limit = 4.3 (µSec))

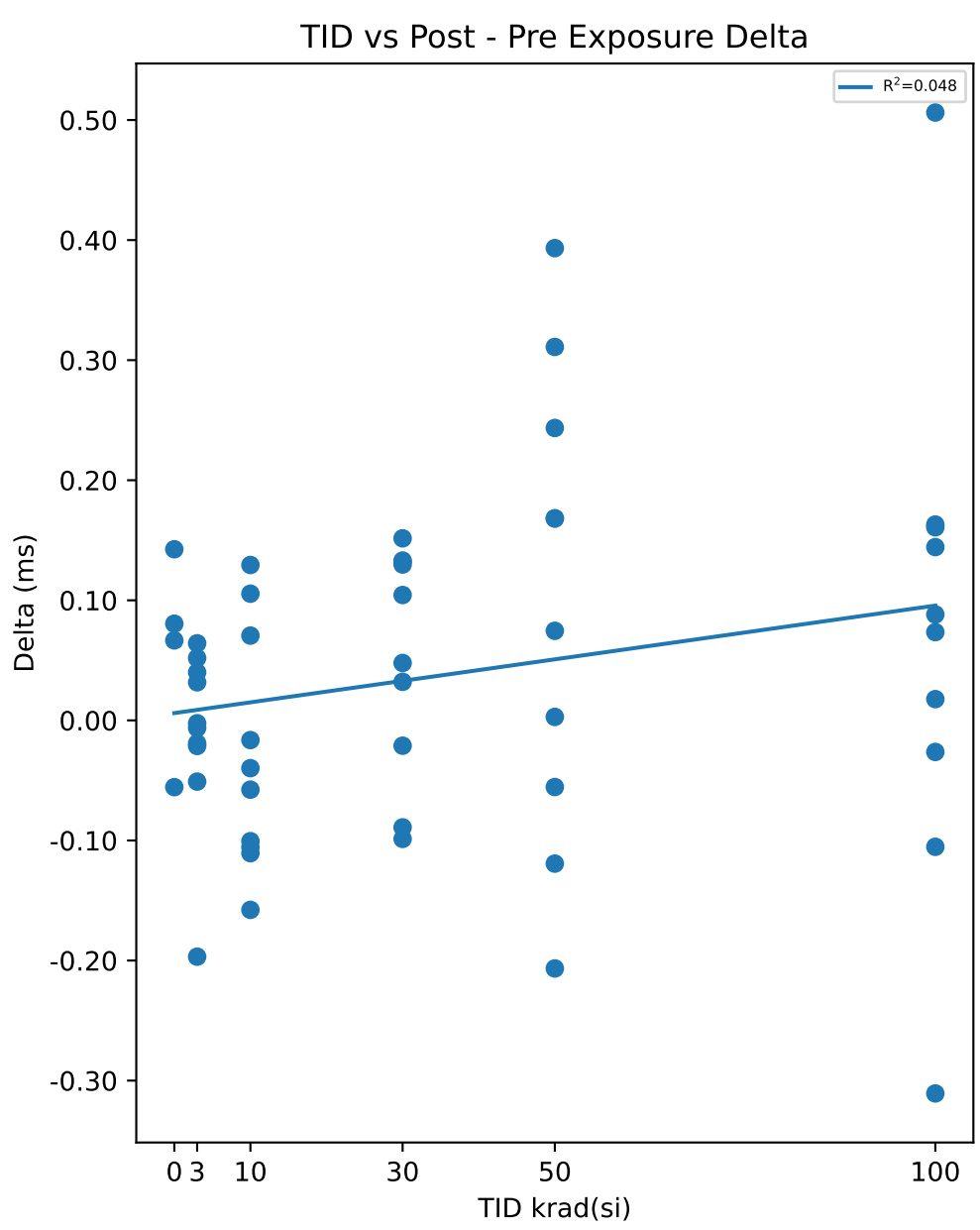
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7393	0.7379	-0.0014
3	3	Biased	0.7119	0.7101	-0.0018
4	3	Biased	0.7396	0.7365	-0.0031
5	3	Biased	0.7161	0.7125	-0.0036
6	3	Biased	0.7112	0.7123	0.0011
7	3	Unbiased	0.7267	0.7257	-0.001
8	3	Unbiased	0.7102	0.71	-0.0002
9	3	Unbiased	0.7055	0.7061	0.0006
10	3	Unbiased	0.7335	0.7371	0.0036
11	3	Unbiased	0.6958	0.6956	-0.0002
12	10	Unbiased	0.7199	0.7267	0.0068
13	10	Unbiased	0.7116	0.7116	0
14	10	Unbiased	0.7291	0.727	-0.0021
15	10	Unbiased	0.7294	0.7303	0.0009
16	10	Unbiased	0.7132	0.7146	0.0014
17	10	Biased	0.7157	0.7157	0
18	10	Biased	0.6992	0.7019	0.0027
19	10	Biased	0.7317	0.7309	-0.0008
20	10	Biased	0.7127	0.7189	0.0062
21	10	Biased	0.7009	0.699	-0.0019
22	30	Biased	0.7077	0.7041	-0.0036
23	30	Biased	0.7204	0.7229	0.0025
24	30	Biased	0.7121	0.7114	-0.0007
25	30	Biased	0.7253	0.7244	-0.0009
26	30	Biased	0.6944	0.7033	0.0089
27	30	Unbiased	0.7248	0.7303	0.0055
28	30	Unbiased	0.7251	0.7228	-0.0023
29	30	Unbiased	0.7141	0.7131	-0.001
30	30	Unbiased	0.7324	0.7221	-0.0103
31	30	Unbiased	0.7195	0.7253	0.0058
32	50	Biased	0.7208	0.711	-0.0098
33	50	Biased	0.7102	0.7156	0.0054
34	50	Biased	0.7162	0.7202	0.004
35	50	Biased	0.7147	0.7139	-0.0008
36	50	Biased	0.7184	0.7111	-0.0073
37	50	Unbiased	0.7218	0.7213	-0.0005
39	50	Unbiased	0.7209	0.728	0.0071
40	50	Unbiased	0.7169	0.7191	0.0022
41	50	Unbiased	0.7211	0.7174	-0.0037
42	50	Unbiased	0.7223	0.716	-0.0063
43	100	Biased	0.7127	0.7103	-0.0024
44	100	Biased	0.7146	0.7056	-0.009
45	100	Biased	0.7026	0.6923	-0.0103
46	100	Biased	0.7374	0.7377	0.0003
47	100	Biased	0.7193	0.7186	-0.0007
48	100	Unbiased	0.7158	0.7101	-0.0057
49	100	Unbiased	0.7124	0.7068	-0.0056
50	100	Unbiased	0.732	0.7196	-0.0124
51	100	Unbiased	0.7073	0.7025	-0.0048
52	100	Unbiased	0.7142	0.7168	0.0026
53	0	Correlation	0.7191	0.7204	0.0013
54	0	Correlation	0.7154	0.7168	0.0014
55	0	Correlation	0.7124	0.7147	0.0023
56	0	Correlation	0.7132	0.7149	0.0017

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7124	0.71503	0.7191	0.0029982	0.7147	0.7167	0.7204	0.002642	0.0013	0.001675	0.0023	0.00045
3	0.6958	0.71898	0.7396	0.014995	0.6956	0.71838	0.7379	0.014883	-0.0036	-0.0006	0.0036	0.0021024
10	0.6992	0.71634	0.7317	0.011354	0.699	0.71766	0.7309	0.011314	-0.0021	0.00132	0.0068	0.0030908
30	0.6944	0.71758	0.7324	0.010937	0.7033	0.71797	0.7303	0.0093468	-0.0103	0.00039	0.0089	0.0055224
50	0.7102	0.71833	0.7223	0.0038592	0.711	0.71736	0.728	0.0051249	-0.0098	-0.00097	0.0071	0.0057213
100	0.7026	0.71683	0.7374	0.010553	0.6923	0.71203	0.7377	0.012191	-0.0124	-0.0048	0.0026	0.0048355

Device Test: 5.90; DLY_TMR_1MOHM





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

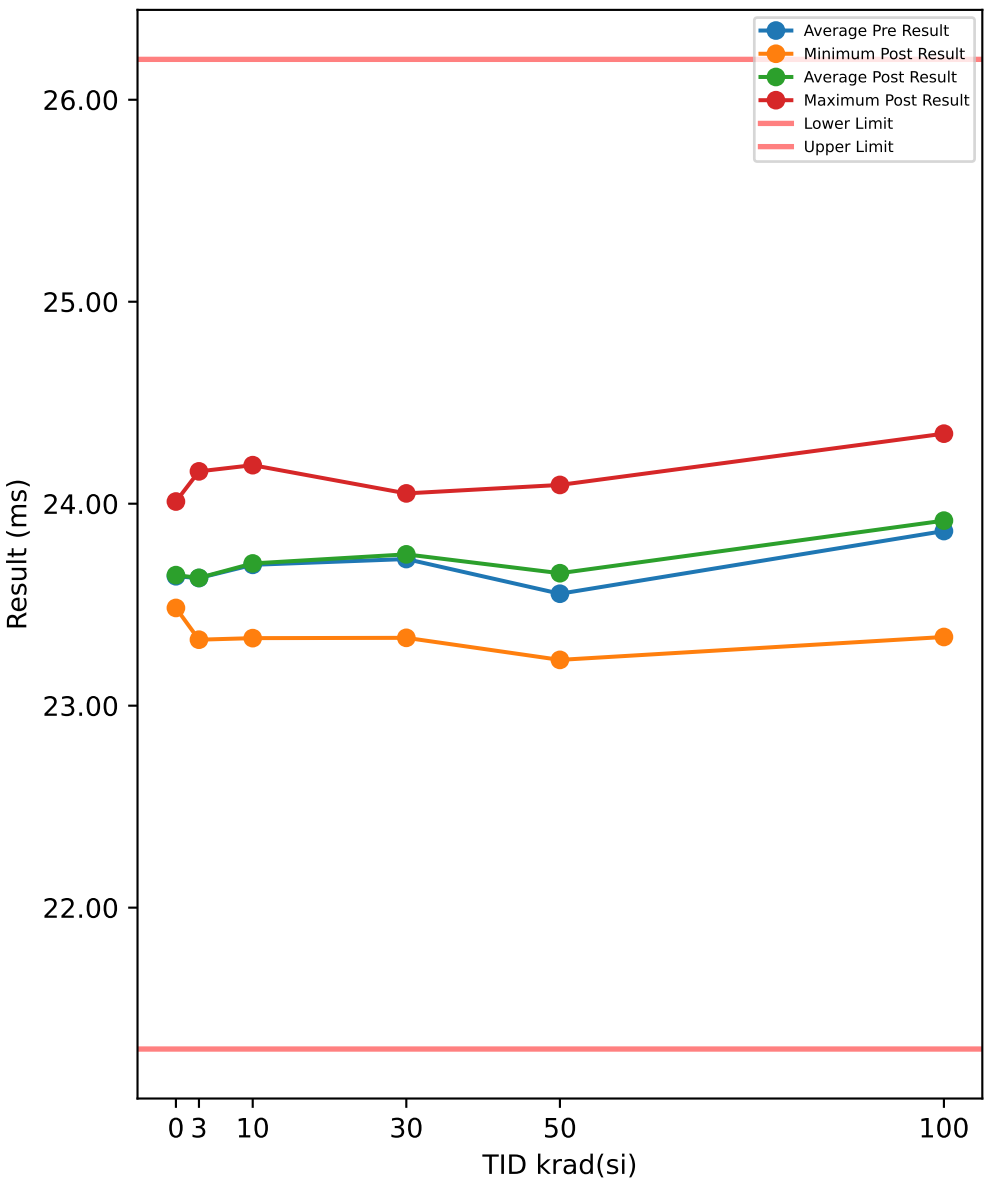
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.603	23.667	0.0642
3	3	Biased	23.591	23.643	0.0519
4	3	Biased	23.37	23.364	-0.0063
5	3	Biased	24.108	24.087	-0.0213
6	3	Biased	23.878	23.827	-0.051
7	3	Unbiased	23.258	23.298	0.04
8	3	Unbiased	24.034	24.015	-0.0191
9	3	Unbiased	23.548	23.351	-0.1968
10	3	Unbiased	23.404	23.402	-0.0024
11	3	Unbiased	23.656	23.688	0.0317
12	10	Unbiased	23.228	23.299	0.0706
13	10	Unbiased	23.371	23.313	-0.0577
14	10	Unbiased	23.648	23.548	-0.1006
15	10	Unbiased	24.105	24.088	-0.0164
16	10	Unbiased	23.779	23.909	0.1294
17	10	Biased	23.939	24.045	0.1055
18	10	Biased	23.768	23.658	-0.1106
19	10	Biased	23.627	23.588	-0.0398
20	10	Biased	23.835	23.678	-0.1578
21	10	Biased	23.913	23.807	-0.1056
22	30	Biased	23.842	23.971	0.1298
23	30	Biased	23.442	23.421	-0.0211
24	30	Biased	23.237	23.269	0.0321
25	30	Biased	23.67	23.803	0.1331
26	30	Biased	23.974	24.021	0.0478
27	30	Unbiased	23.929	24.061	0.1321
28	30	Unbiased	23.809	23.961	0.1516
29	30	Unbiased	23.496	23.407	-0.0891
30	30	Unbiased	23.978	23.879	-0.0987
31	30	Unbiased	23.902	24.007	0.1044
32	50	Biased	23.723	23.891	0.1683
33	50	Biased	23.675	23.919	0.2435
34	50	Biased	23.481	23.874	0.3933
35	50	Biased	23.506	23.817	0.311
36	50	Biased	23.876	23.821	-0.0555
37	50	Unbiased	23.197	23.2	0.0029
39	50	Unbiased	23.83	23.624	-0.2066
40	50	Unbiased	23.43	23.311	-0.1193
41	50	Unbiased	23.07	23.238	0.1681
42	50	Unbiased	24.056	24.131	0.0746
43	100	Biased	23.871	23.889	0.0177
44	100	Biased	24.045	24.206	0.1608
45	100	Biased	24.221	24.384	0.1631
46	100	Biased	24.181	24.154	-0.0263
47	100	Biased	24.209	24.298	0.0882
48	100	Unbiased	23.844	24.351	0.5062
49	100	Unbiased	23.546	23.441	-0.1053
50	100	Unbiased	23.346	23.419	0.0735
51	100	Unbiased	23.518	23.663	0.1443
52	100	Unbiased	24.077	23.766	-0.3107
53	0	Correlation	23.959	24.101	0.1425
54	0	Correlation	23.541	23.608	0.0666
55	0	Correlation	23.619	23.563	-0.0556
56	0	Correlation	23.604	23.684	0.0805

Test Statistics (ms)

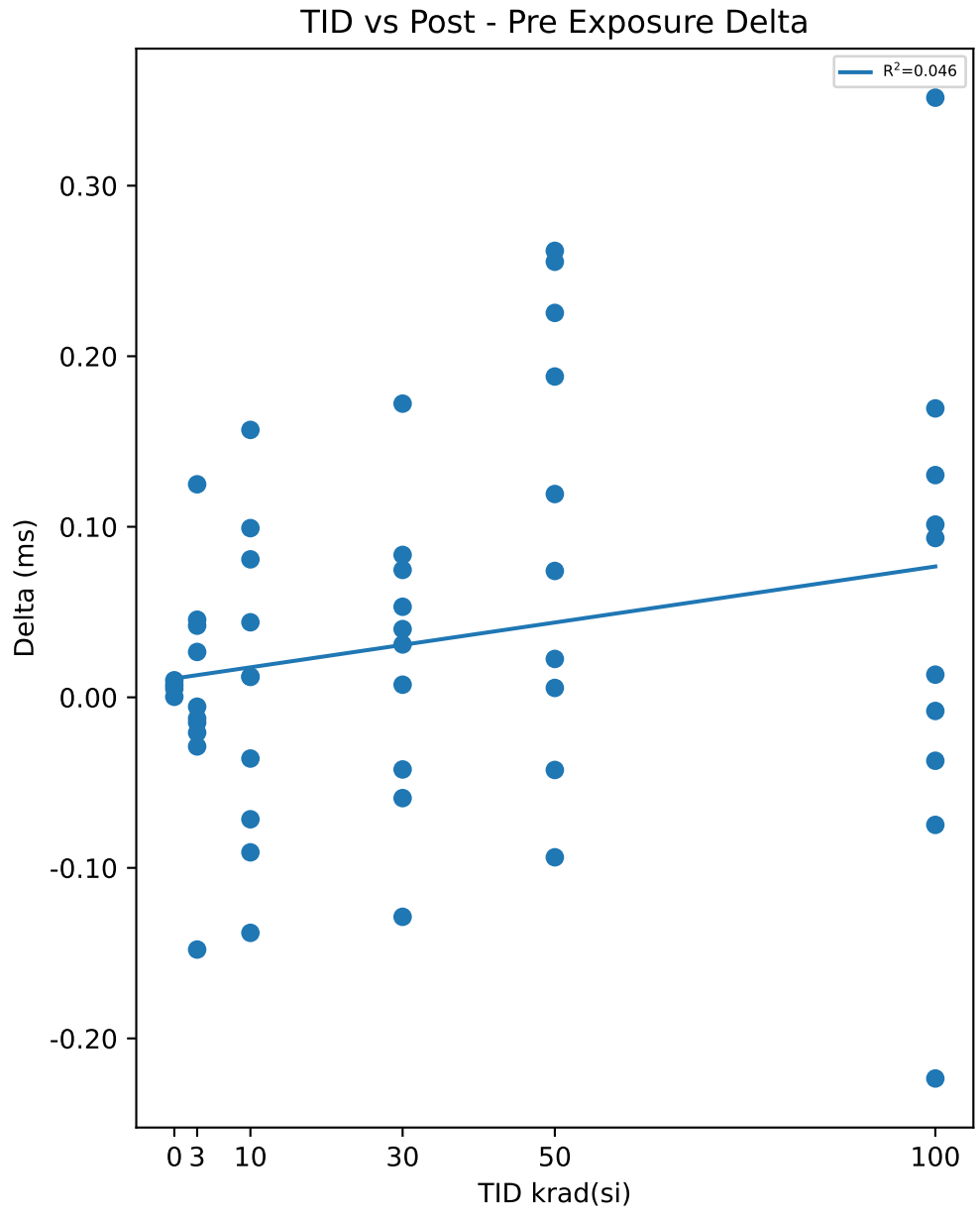
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.541	23.681	23.959	0.18824	23.563	23.739	24.101	0.24637	-0.0556	0.0585	0.1425	0.082914
3	23.258	23.645	24.108	0.28226	23.298	23.634	24.087	0.28101	-0.1968	-0.01091	0.0642	0.074852
10	23.228	23.721	24.105	0.26452	23.299	23.693	24.088	0.2734	-0.1578	-0.0283	0.1294	0.099128
30	23.237	23.728	23.978	0.25659	23.269	23.78	24.061	0.29756	-0.0987	0.0522	0.1516	0.094333
50	23.07	23.584	24.056	0.30756	23.2	23.682	24.131	0.32435	-0.2066	0.09803	0.3933	0.19343
100	23.346	23.886	24.221	0.31797	23.419	23.957	24.384	0.37083	-0.3107	0.07115	0.5062	0.211

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))

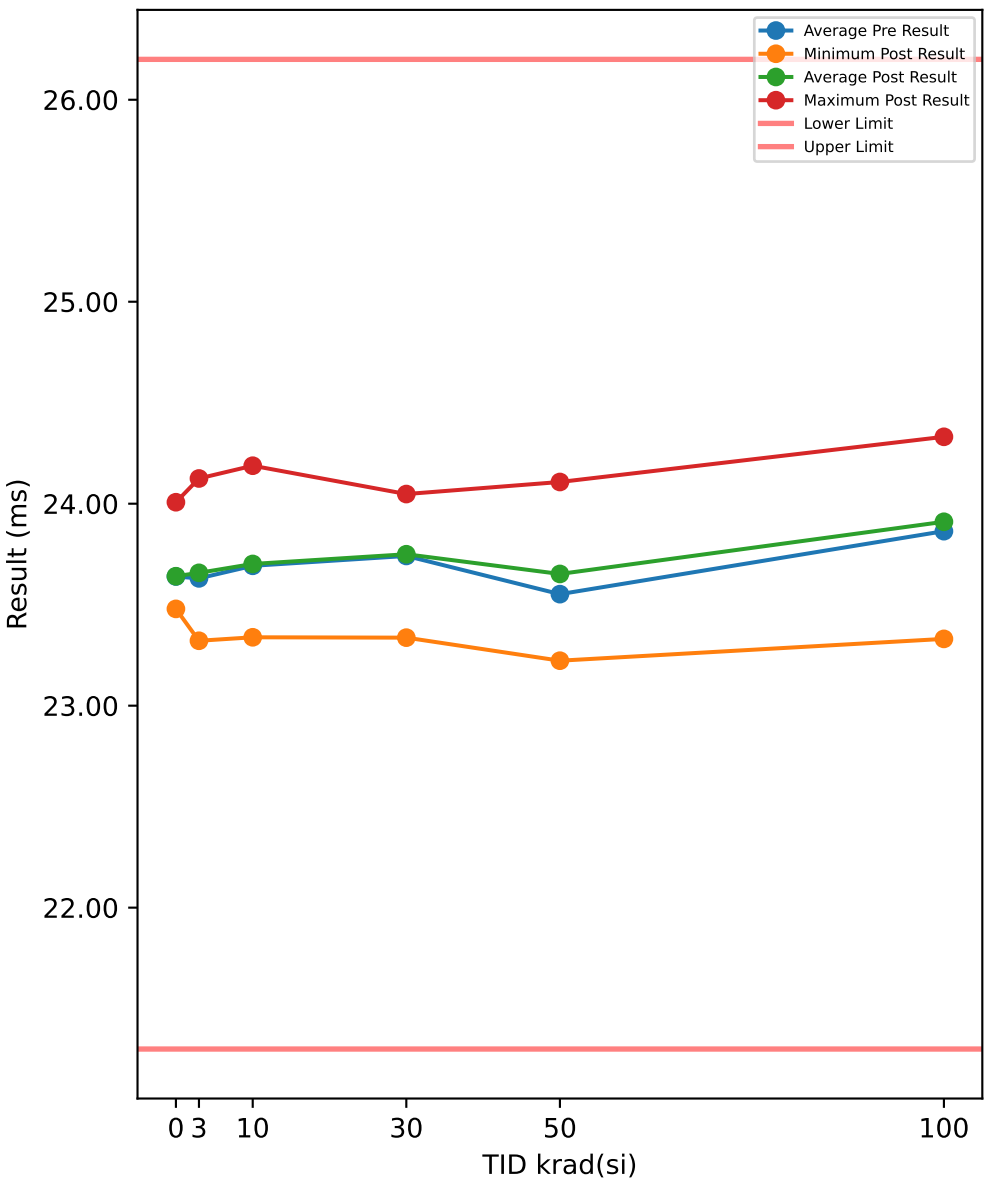
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.738	23.59	-0.1479
3	3	Biased	23.551	23.597	0.0455
4	3	Biased	23.332	23.327	-0.0055
5	3	Biased	24.189	24.16	-0.0288
6	3	Biased	23.861	23.849	-0.0124
7	3	Unbiased	23.378	23.364	-0.0148
8	3	Unbiased	23.936	24.061	0.1249
9	3	Unbiased	23.383	23.362	-0.0207
10	3	Unbiased	23.355	23.397	0.042
11	3	Unbiased	23.596	23.622	0.0266
12	10	Unbiased	23.29	23.334	0.044
13	10	Unbiased	23.479	23.491	0.0121
14	10	Unbiased	23.525	23.537	0.012
15	10	Unbiased	24.034	24.191	0.1568
16	10	Unbiased	23.792	23.872	0.0809
17	10	Biased	23.914	24.013	0.0992
18	10	Biased	23.629	23.538	-0.0909
19	10	Biased	23.646	23.574	-0.0715
20	10	Biased	23.766	23.628	-0.1381
21	10	Biased	23.899	23.863	-0.0359
22	30	Biased	23.851	23.858	0.0074
23	30	Biased	23.349	23.423	0.0747
24	30	Biased	23.378	23.336	-0.0423
25	30	Biased	23.665	23.696	0.031
26	30	Biased	23.894	23.947	0.0531
27	30	Unbiased	23.879	24.051	0.1722
28	30	Unbiased	23.852	23.935	0.0835
29	30	Unbiased	23.483	23.355	-0.1287
30	30	Unbiased	23.976	23.917	-0.0591
31	30	Unbiased	23.934	23.974	0.04
32	50	Biased	23.625	23.813	0.1881
33	50	Biased	23.558	23.813	0.2554
34	50	Biased	23.493	23.755	0.2618
35	50	Biased	23.456	23.681	0.2254
36	50	Biased	23.767	23.841	0.0741
37	50	Unbiased	23.177	23.297	0.1192
39	50	Unbiased	23.694	23.6	-0.0938
40	50	Unbiased	23.48	23.438	-0.0426
41	50	Unbiased	23.204	23.227	0.0225
42	50	Unbiased	24.087	24.093	0.0055
43	100	Biased	23.845	23.939	0.0934
44	100	Biased	24.045	24.147	0.1013
45	100	Biased	24.177	24.347	0.1694
46	100	Biased	24.076	24.089	0.0133
47	100	Biased	24.261	24.224	-0.0372
48	100	Unbiased	23.898	24.249	0.3516
49	100	Unbiased	23.415	23.34	-0.0748
50	100	Unbiased	23.435	23.427	-0.008
51	100	Unbiased	23.454	23.584	0.1303
52	100	Unbiased	24.04	23.817	-0.2235
53	0	Correlation	24.001	24.011	0.01
54	0	Correlation	23.479	23.484	0.0051
55	0	Correlation	23.499	23.499	0.0003
56	0	Correlation	23.584	23.591	0.0073

Test Statistics (ms)

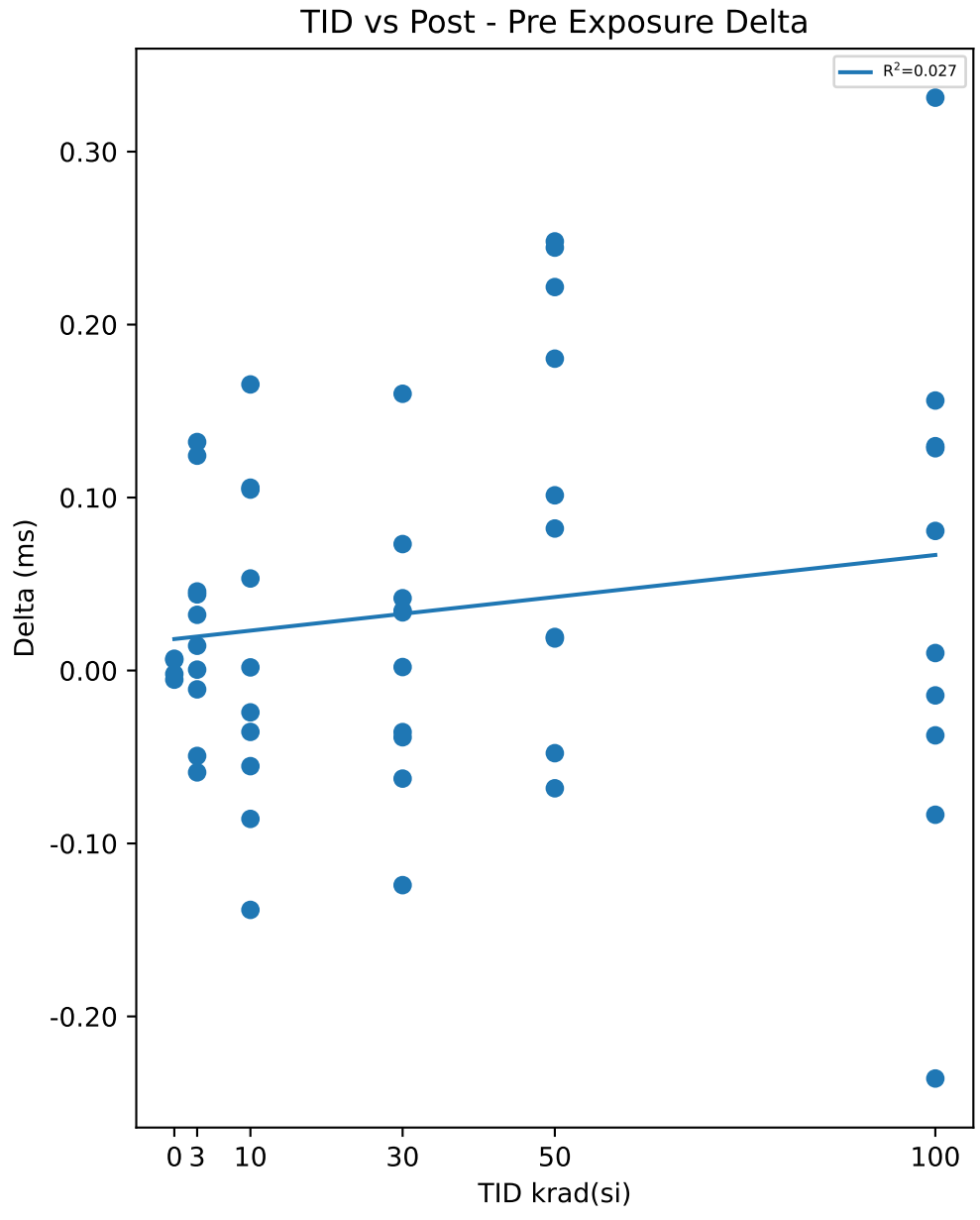
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.479	23.641	24.001	0.24437	23.484	23.646	24.011	0.24755	0.0003	0.005675	0.01	0.0041056
3	23.332	23.632	24.189	0.29192	23.327	23.633	24.16	0.29926	-0.1479	0.00089	0.1249	0.069657
10	23.29	23.697	24.034	0.22713	23.334	23.704	24.191	0.26786	-0.1381	0.00686	0.1568	0.092173
30	23.349	23.726	23.976	0.23909	23.336	23.749	24.051	0.27703	-0.1287	0.02318	0.1722	0.084402
50	23.177	23.554	24.087	0.26614	23.227	23.656	24.093	0.2686	-0.0938	0.10156	0.2618	0.12809
100	23.415	23.865	24.261	0.31964	23.34	23.916	24.347	0.35986	-0.2235	0.05158	0.3516	0.15594

Device Test: 5.92; DLY_TMR_1MOHM

TID vs Result Stats



TID vs Post - Pre Exposure Delta



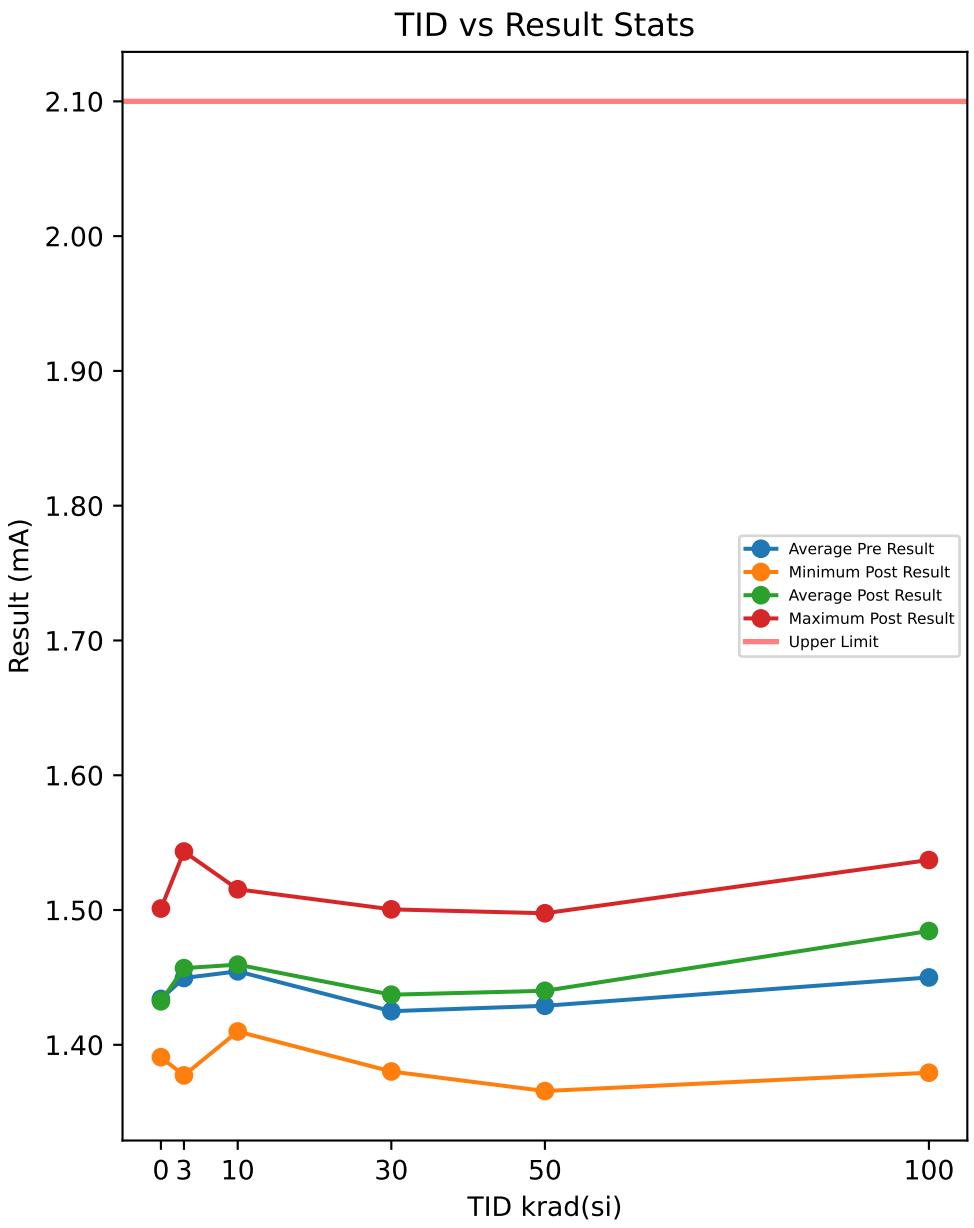
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

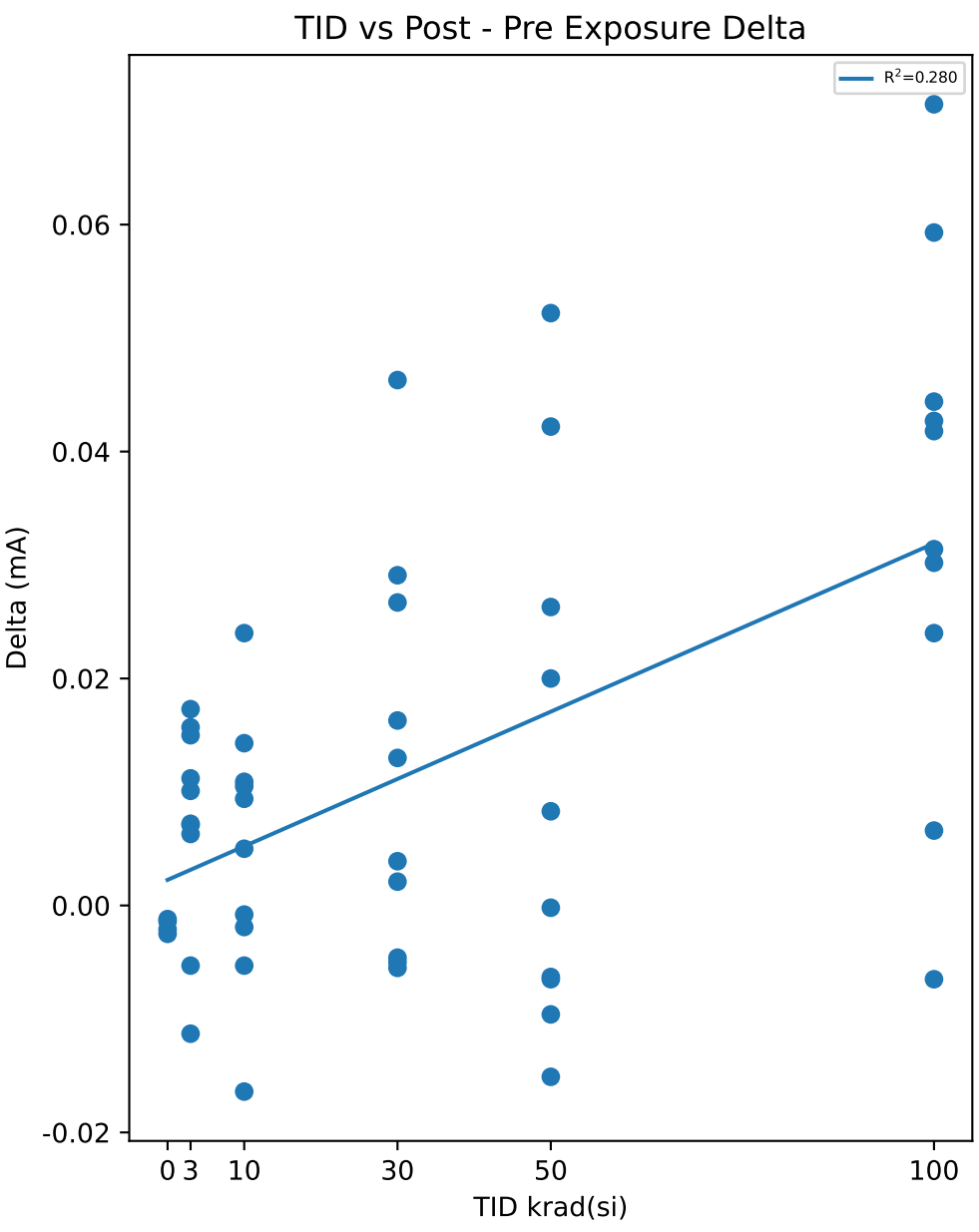
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.582	23.615	0.0322
3	3	Biased	23.548	23.594	0.0457
4	3	Biased	23.494	23.483	-0.0109
5	3	Biased	24.184	24.125	-0.0589
6	3	Biased	23.855	23.855	0.0005
7	3	Unbiased	23.371	23.321	-0.0494
8	3	Unbiased	23.934	24.058	0.1242
9	3	Unbiased	23.373	23.505	0.1321
10	3	Unbiased	23.354	23.398	0.044
11	3	Unbiased	23.609	23.623	0.0143
12	10	Unbiased	23.285	23.339	0.0532
13	10	Unbiased	23.471	23.447	-0.0242
14	10	Unbiased	23.522	23.524	0.0018
15	10	Unbiased	24.023	24.188	0.1654
16	10	Unbiased	23.793	23.898	0.1046
17	10	Biased	23.908	24.013	0.1057
18	10	Biased	23.63	23.544	-0.0858
19	10	Biased	23.633	23.578	-0.0553
20	10	Biased	23.765	23.627	-0.1384
21	10	Biased	23.895	23.859	-0.0355
22	30	Biased	23.852	23.854	0.002
23	30	Biased	23.504	23.442	-0.0625
24	30	Biased	23.372	23.337	-0.0356
25	30	Biased	23.665	23.7	0.0346
26	30	Biased	23.886	23.959	0.0731
27	30	Unbiased	23.888	24.048	0.16
28	30	Unbiased	23.853	23.895	0.0418
29	30	Unbiased	23.481	23.357	-0.1241
30	30	Unbiased	23.977	23.938	-0.0386
31	30	Unbiased	23.935	23.969	0.0336
32	50	Biased	23.623	23.803	0.1803
33	50	Biased	23.556	23.8	0.2445
34	50	Biased	23.489	23.737	0.2481
35	50	Biased	23.456	23.678	0.2217
36	50	Biased	23.757	23.839	0.0821
37	50	Unbiased	23.177	23.279	0.1013
39	50	Unbiased	23.691	23.623	-0.0681
40	50	Unbiased	23.48	23.432	-0.0478
41	50	Unbiased	23.203	23.223	0.0194
42	50	Unbiased	24.089	24.108	0.0185
43	100	Biased	23.84	23.921	0.0807
44	100	Biased	24.046	24.175	0.1285
45	100	Biased	24.175	24.331	0.1561
46	100	Biased	24.075	24.085	0.0101
47	100	Biased	24.258	24.221	-0.0375
48	100	Unbiased	23.899	24.231	0.3312
49	100	Unbiased	23.414	23.331	-0.0834
50	100	Unbiased	23.434	23.419	-0.0144
51	100	Unbiased	23.458	23.587	0.1297
52	100	Unbiased	24.041	23.805	-0.2359
53	0	Correlation	24	24.007	0.0068
54	0	Correlation	23.481	23.479	-0.002
55	0	Correlation	23.499	23.494	-0.0053
56	0	Correlation	23.577	23.583	0.0062

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	23.481	23.64	24	0.24423	23.479	23.641	24.007	0.24853	-0.0053	0.001425	0.0068	0.006018
3	23.354	23.63	24.184	0.27624	23.321	23.658	24.125	0.27058	-0.0589	0.02738	0.1321	0.063835
10	23.285	23.693	24.023	0.22678	23.339	23.702	24.188	0.27307	-0.1384	0.00915	0.1654	0.095967
30	23.372	23.741	23.977	0.2176	23.337	23.75	24.048	0.27294	-0.1241	0.00843	0.16	0.079145
50	23.177	23.552	24.089	0.26562	23.223	23.652	24.108	0.2725	-0.0681	0.1	0.2481	0.11909
100	23.414	23.864	24.258	0.31891	23.331	23.91	24.331	0.36037	-0.2359	0.04651	0.3312	0.15513

Device Test: 6.1; ISD





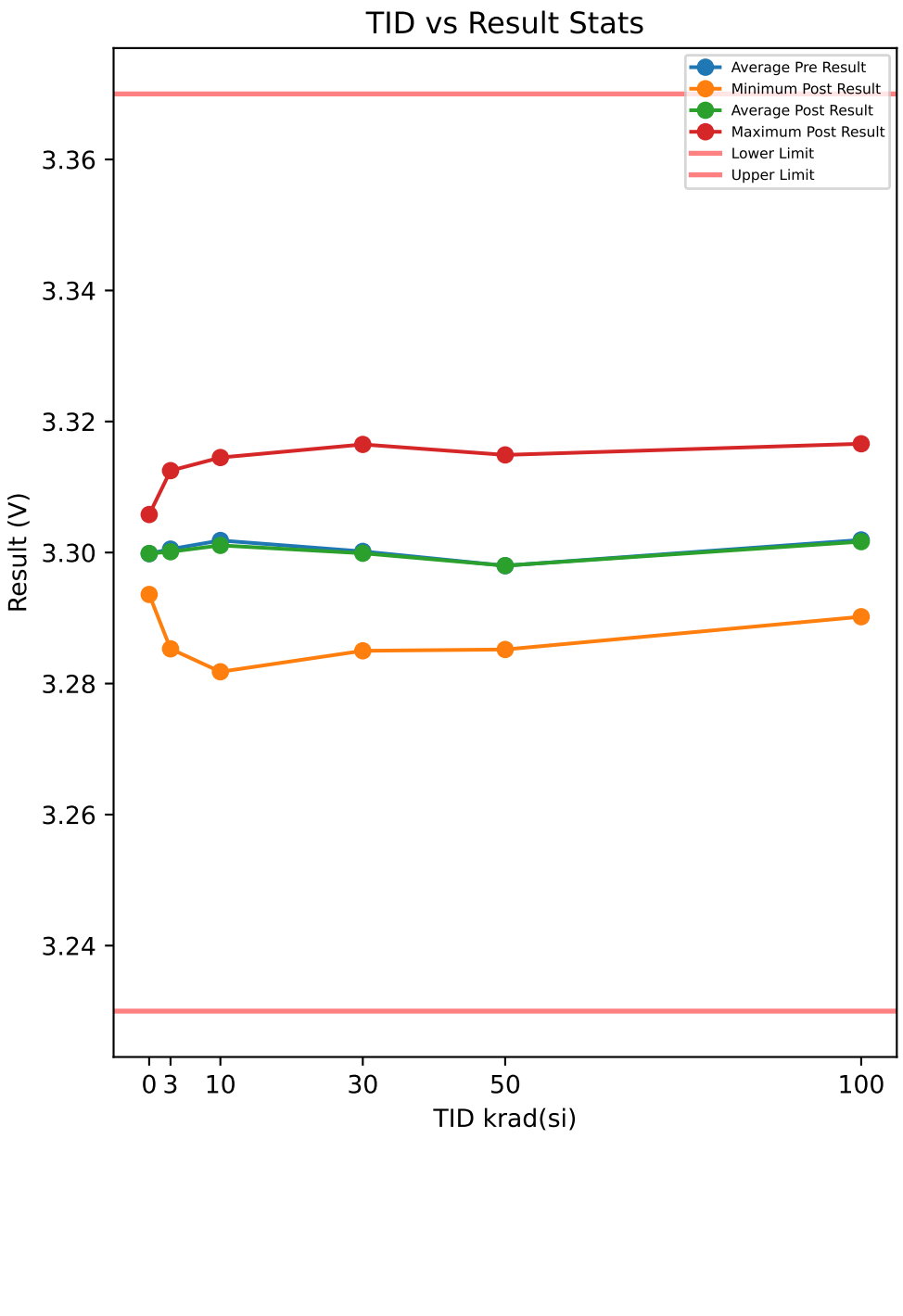
Test Results (Upper Limit = 2.1 (mA))

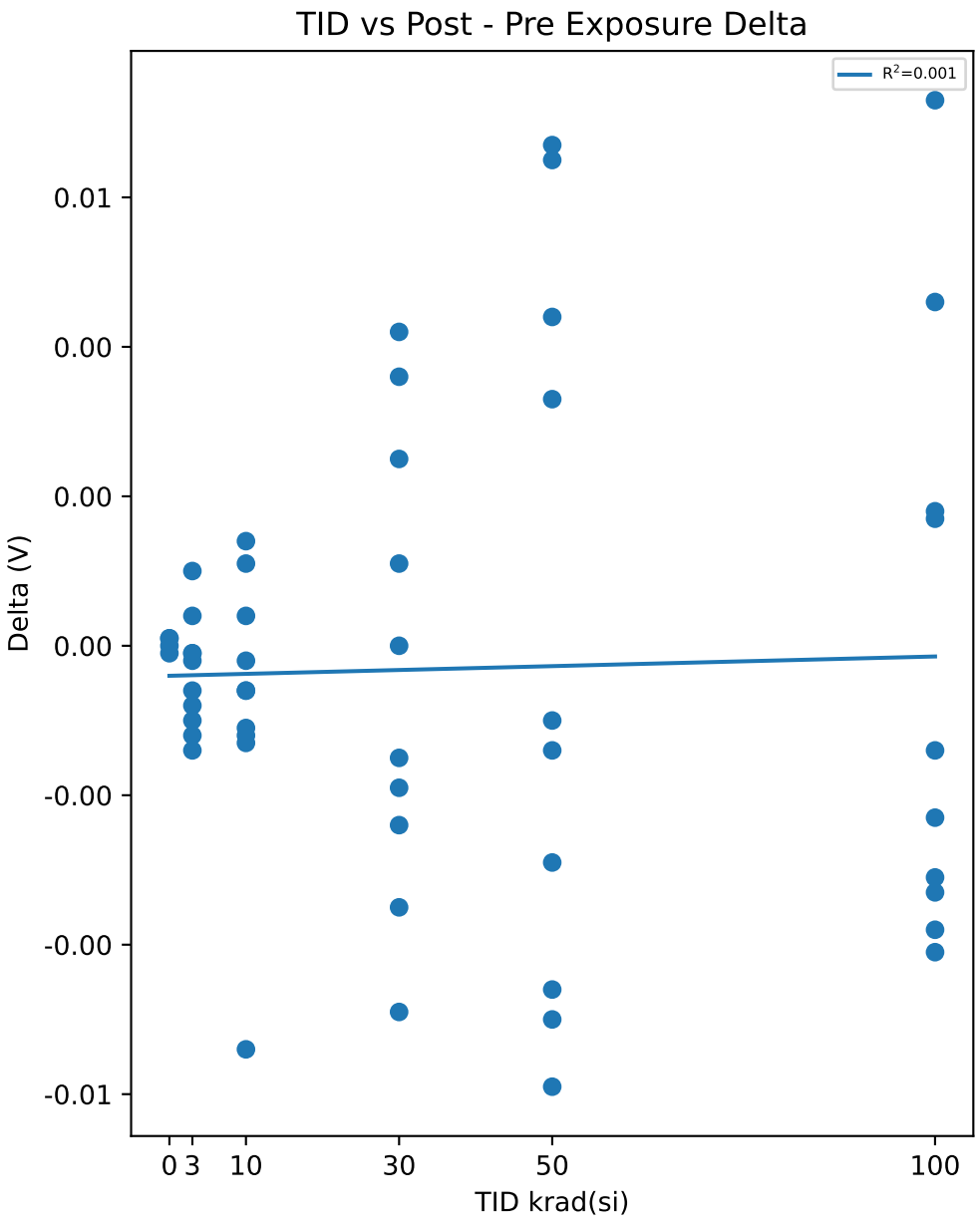
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.4168	1.4269	0.0101
3	3	Biased	1.4855	1.4967	0.0112
4	3	Biased	1.3992	1.4149	0.0157
5	3	Biased	1.5261	1.5434	0.0173
6	3	Biased	1.4743	1.469	-0.0053
7	3	Unbiased	1.3859	1.393	0.0071
8	3	Unbiased	1.4301	1.4451	0.015
9	3	Unbiased	1.4732	1.4795	0.0063
10	3	Unbiased	1.3886	1.3773	-0.0113
11	3	Unbiased	1.5159	1.5231	0.0072
12	10	Unbiased	1.4275	1.4111	-0.0164
13	10	Unbiased	1.4969	1.4961	-0.0008
14	10	Unbiased	1.4049	1.4099	0.005
15	10	Unbiased	1.41	1.4205	0.0105
16	10	Unbiased	1.4453	1.4547	0.0094
17	10	Biased	1.4877	1.502	0.0143
18	10	Biased	1.5173	1.5154	-0.0019
19	10	Biased	1.4278	1.4387	0.0109
20	10	Biased	1.4803	1.475	-0.0053
21	10	Biased	1.4474	1.4714	0.024
22	30	Biased	1.4714	1.5005	0.0291
23	30	Biased	1.4238	1.4192	-0.0046
24	30	Biased	1.435	1.4389	0.0039
25	30	Biased	1.4607	1.477	0.0163
26	30	Biased	1.4165	1.4115	-0.005
27	30	Unbiased	1.3857	1.3802	-0.0055
28	30	Unbiased	1.3966	1.4233	0.0267
29	30	Unbiased	1.399	1.412	0.013
30	30	Unbiased	1.3876	1.4339	0.0463
31	30	Unbiased	1.4732	1.4753	0.0021
32	50	Biased	1.4241	1.4763	0.0522
33	50	Biased	1.4314	1.4218	-0.0096
34	50	Biased	1.4376	1.4459	0.0083
35	50	Biased	1.4978	1.4976	-0.0002
36	50	Biased	1.4399	1.4662	0.0263
37	50	Unbiased	1.4404	1.4339	-0.0065
39	50	Unbiased	1.423	1.4079	-0.0151
40	50	Unbiased	1.372	1.3657	-0.0063
41	50	Unbiased	1.3681	1.3881	0.02
42	50	Unbiased	1.4551	1.4973	0.0422
43	100	Biased	1.4302	1.4616	0.0314
44	100	Biased	1.4434	1.514	0.0706
45	100	Biased	1.5069	1.5371	0.0302
46	100	Biased	1.3858	1.3793	-0.0065
47	100	Biased	1.4605	1.4845	0.024
48	100	Unbiased	1.462	1.5038	0.0418
49	100	Unbiased	1.4778	1.5222	0.0444
50	100	Unbiased	1.4269	1.4862	0.0593
51	100	Unbiased	1.4878	1.5305	0.0427
52	100	Unbiased	1.4184	1.425	0.0066
53	0	Correlation	1.416	1.4146	-0.0014
54	0	Correlation	1.392	1.3908	-0.0012
55	0	Correlation	1.4246	1.4225	-0.0021
56	0	Correlation	1.5036	1.5011	-0.0025

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	1.392	1.4341	1.5036	0.048375	1.3908	1.4323	1.5011	0.047837	-0.0025	-0.0018	-0.0012	0.00060553
3	1.3859	1.4496	1.5261	0.052152	1.3773	1.4569	1.5434	0.055104	-0.0113	0.00733	0.0173	0.0091813
10	1.4049	1.4545	1.5173	0.038768	1.4099	1.4595	1.5154	0.038632	-0.0164	0.00497	0.024	0.011437
30	1.3857	1.425	1.4732	0.033912	1.3802	1.4372	1.5005	0.036694	-0.0055	0.01223	0.0463	0.017443
50	1.3681	1.4289	1.4978	0.037655	1.3657	1.4401	1.4976	0.045034	-0.0151	0.01113	0.0522	0.023165
100	1.3858	1.45	1.5069	0.036183	1.3793	1.4844	1.5371	0.050201	-0.0065	0.03445	0.0706	0.022936

Device Test: 6.10; VLDO_REG





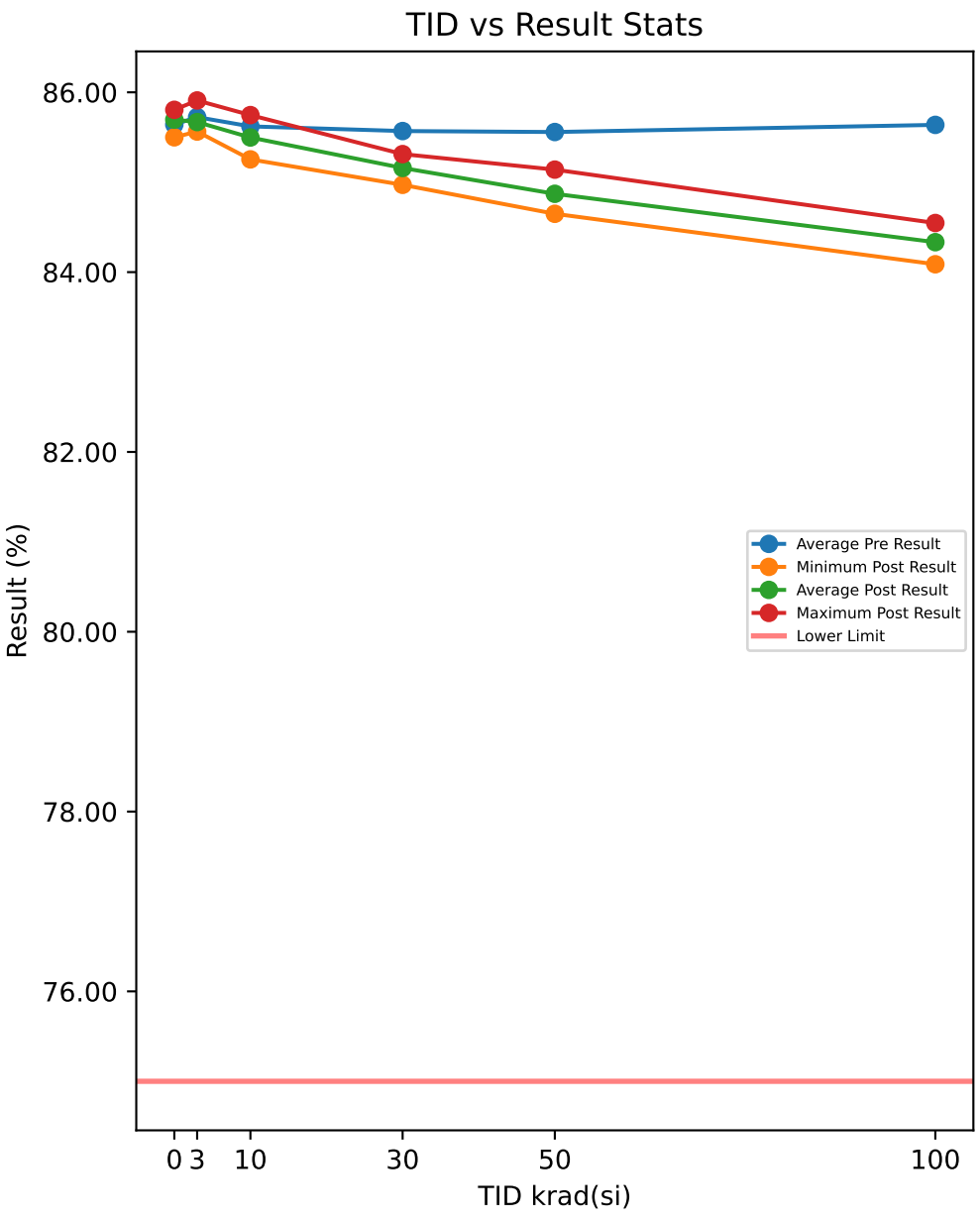
Test Results (Lower Limit = 3.23, Upper Limit = 3.37 (V))

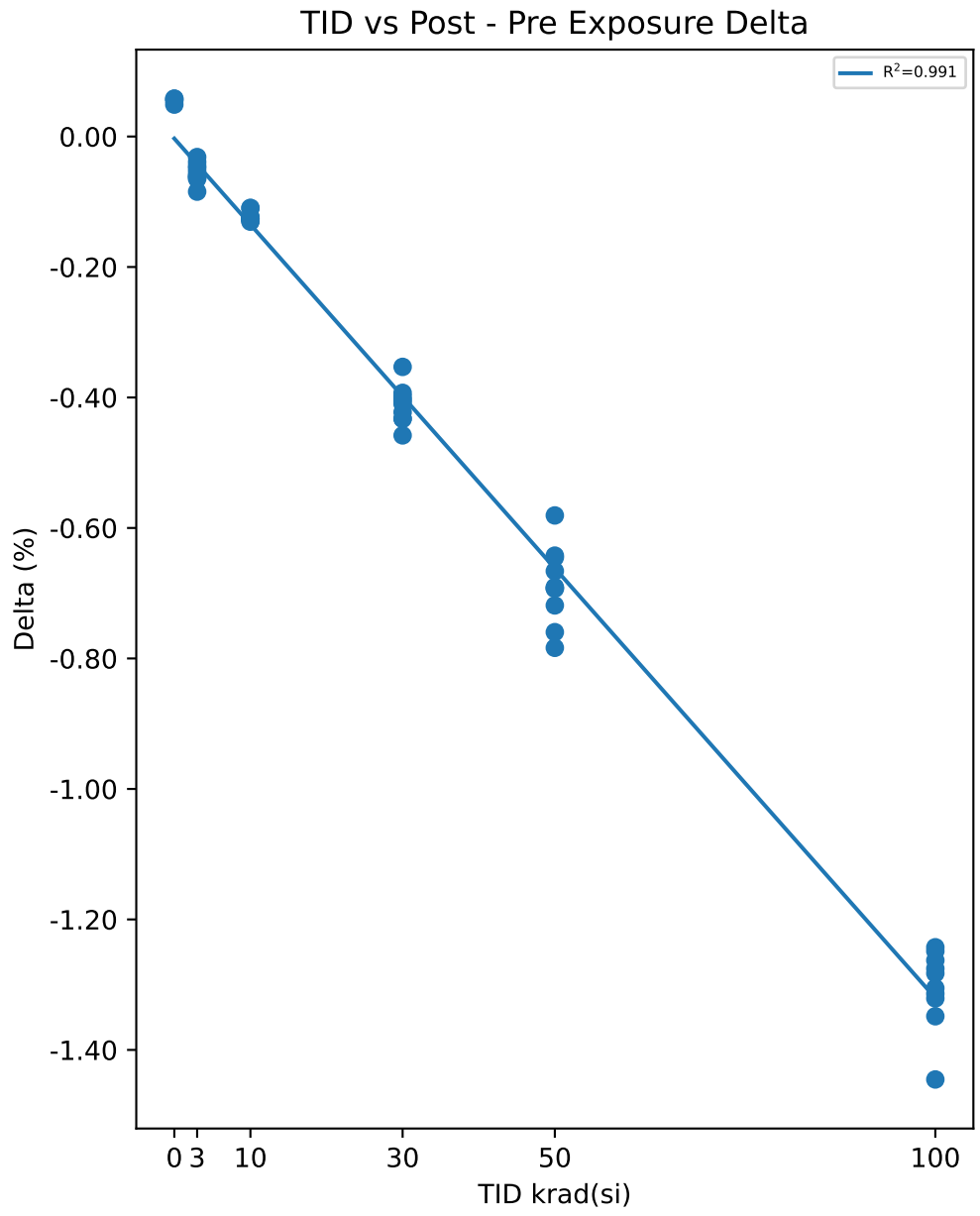
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	3.3087	3.3075	-0.0012
3	3	Biased	3.3016	3.3006	-0.001
4	3	Biased	3.3132	3.3118	-0.0014
5	3	Biased	3.3018	3.3017	-0.0001
6	3	Biased	3.3038	3.3048	0.001
7	3	Unbiased	3.2948	3.2952	0.0004
8	3	Unbiased	3.2859	3.2853	-0.0006
9	3	Unbiased	3.2876	3.2868	-0.0008
10	3	Unbiased	3.2952	3.295	-0.0002
11	3	Unbiased	3.3126	3.3125	-0.0001
12	10	Unbiased	3.3015	3.3003	-0.0012
13	10	Unbiased	3.3099	3.3086	-0.0013
14	10	Unbiased	3.3034	3.3028	-0.0006
15	10	Unbiased	3.2998	3.2987	-0.0011
16	10	Unbiased	3.3021	3.3032	0.0011
17	10	Biased	3.3086	3.3032	-0.0054
18	10	Biased	3.2992	3.2986	-0.0006
19	10	Biased	3.2804	3.2818	0.0014
20	10	Biased	3.2988	3.2992	0.0004
21	10	Biased	3.3147	3.3145	-0.0002
22	30	Biased	3.3012	3.2993	-0.0019
23	30	Biased	3.2866	3.2866	0
24	30	Biased	3.3149	3.31	-0.0049
25	30	Biased	3.2808	3.285	0.0042
26	30	Biased	3.3008	3.3033	0.0025
27	30	Unbiased	3.3041	3.3006	-0.0035
28	30	Unbiased	3.2936	3.2921	-0.0015
29	30	Unbiased	3.3129	3.3165	0.0036
30	30	Unbiased	3.3122	3.3098	-0.0024
31	30	Unbiased	3.2946	3.2957	0.0011
32	50	Biased	3.302	3.2991	-0.0029
33	50	Biased	3.2902	3.2852	-0.005
34	50	Biased	3.3038	3.3024	-0.0014
35	50	Biased	3.3084	3.3149	0.0065
36	50	Biased	3.3023	3.3013	-0.001
37	50	Unbiased	3.2953	3.2894	-0.0059
39	50	Unbiased	3.2841	3.2874	0.0033
40	50	Unbiased	3.295	3.3017	0.0067
41	50	Unbiased	3.3103	3.3057	-0.0046
42	50	Unbiased	3.2885	3.2929	0.0044
43	100	Biased	3.2891	3.2964	0.0073
44	100	Biased	3.3049	3.3008	-0.0041
45	100	Biased	3.2885	3.2902	0.0017
46	100	Biased	3.3006	3.2975	-0.0031
47	100	Biased	3.3009	3.2995	-0.0014
48	100	Unbiased	3.3052	3.3029	-0.0023
49	100	Unbiased	3.3065	3.3111	0.0046
50	100	Unbiased	3.3003	3.3021	0.0018
51	100	Unbiased	3.3204	3.3166	-0.0038
52	100	Unbiased	3.3028	3.2995	-0.0033
53	0	Correlation	3.3057	3.3058	0.0001
54	0	Correlation	3.2969	3.297	0.0001
55	0	Correlation	3.3031	3.303	-0.0001
56	0	Correlation	3.2936	3.2936	0

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	3.2936	3.2998	3.3057	0.0055542	3.2936	3.2999	3.3058	0.0055531	-0.0001	2.5e-05	0.0001	9.5743e-05
3	3.2859	3.3005	3.3132	0.0095967	3.2853	3.3001	3.3125	0.0095234	-0.0014	-0.0004	0.001	0.00074685
10	3.2804	3.3018	3.3147	0.0091815	3.2818	3.3011	3.3145	0.0084081	-0.0054	-0.00075	0.0014	0.0018846
30	3.2808	3.3002	3.3149	0.011422	3.285	3.2999	3.3165	0.010357	-0.0049	-0.00028	0.0042	0.003076
50	3.2841	3.298	3.3103	0.0087443	3.2852	3.298	3.3149	0.0092269	-0.0059	1e-05	0.0067	0.0048273
100	3.2885	3.3019	3.3204	0.0090232	3.2902	3.3017	3.3166	0.0074567	-0.0041	-0.00026	0.0073	0.0039286

Device Test: 6.100; VOH_WDO_10MA





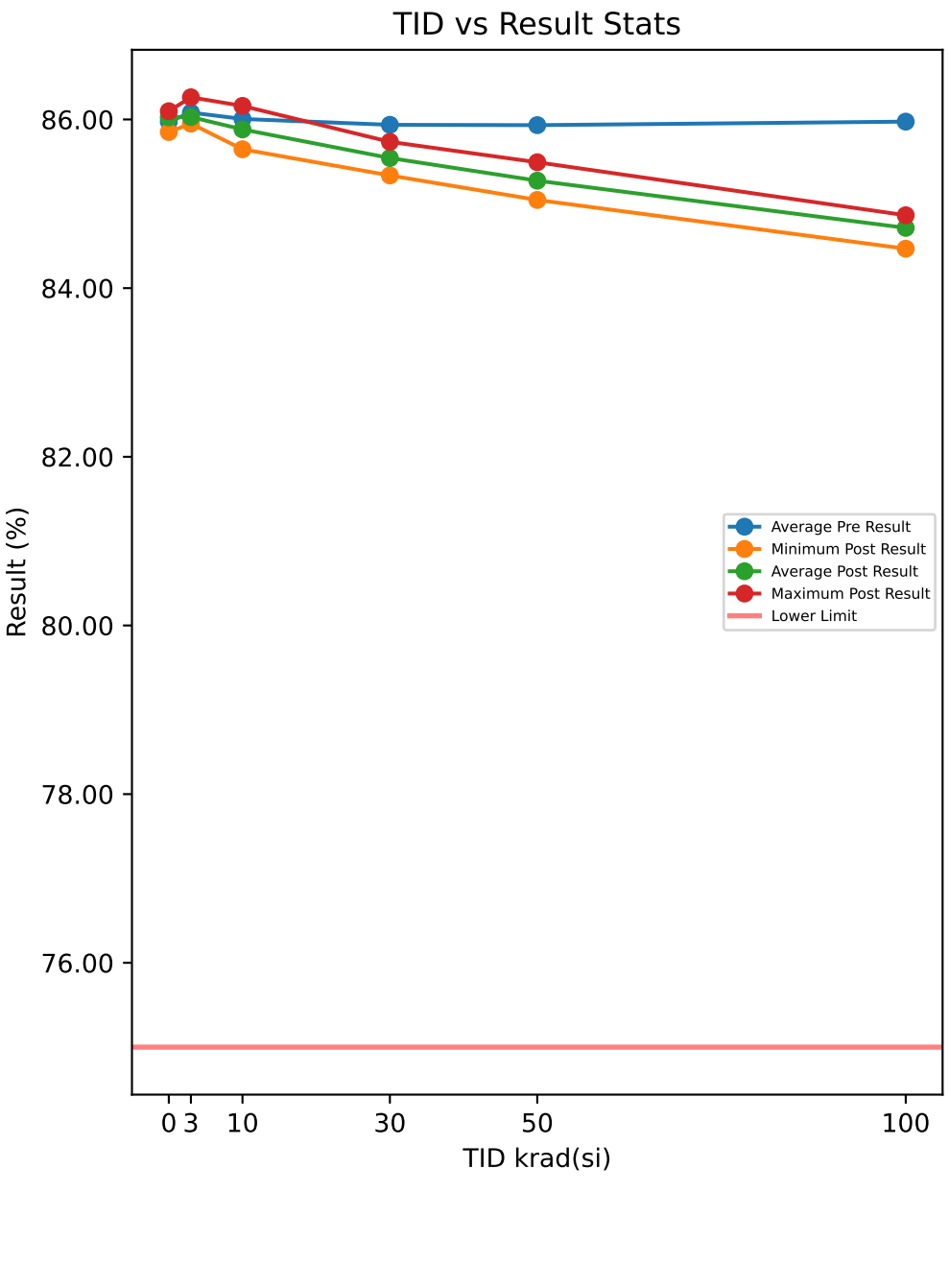
Test Results (Lower Limit = 75.0 (%))

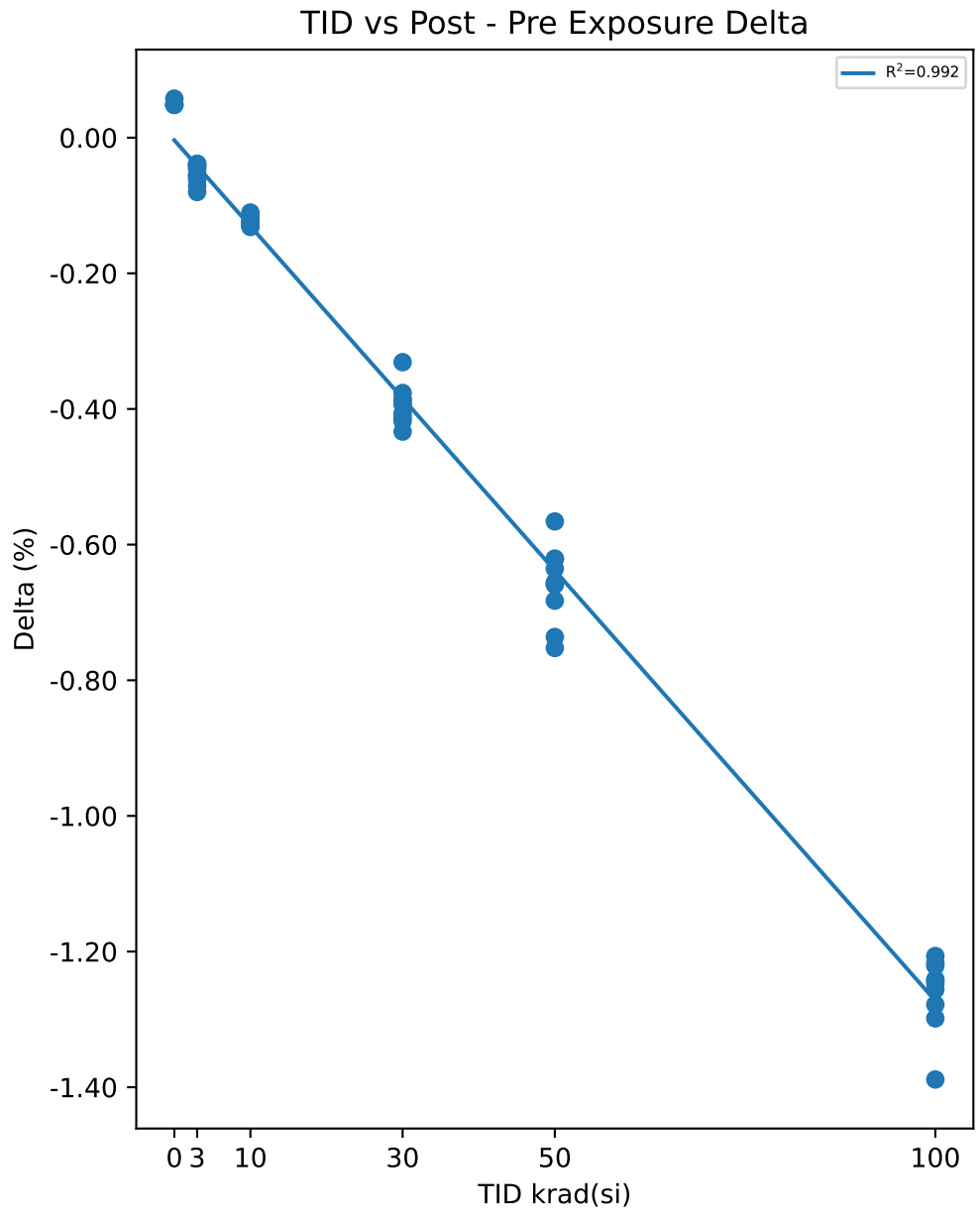
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	85.743	85.658	-0.0845
3	3	Biased	85.752	85.687	-0.0649
4	3	Biased	85.97	85.909	-0.0602
5	3	Biased	85.627	85.564	-0.063
6	3	Biased	85.712	85.652	-0.0601
7	3	Unbiased	85.634	85.58	-0.0541
8	3	Unbiased	85.722	85.676	-0.0451
9	3	Unbiased	85.741	85.702	-0.039
10	3	Unbiased	85.712	85.664	-0.0485
11	3	Unbiased	85.63	85.599	-0.0315
12	10	Unbiased	85.471	85.34	-0.1305
13	10	Unbiased	85.381	85.254	-0.1266
14	10	Unbiased	85.546	85.421	-0.126
15	10	Unbiased	85.67	85.54	-0.1291
16	10	Unbiased	85.745	85.636	-0.1096
17	10	Biased	85.722	85.596	-0.1254
18	10	Biased	85.595	85.472	-0.1228
19	10	Biased	85.856	85.747	-0.1096
20	10	Biased	85.671	85.544	-0.1274
21	10	Biased	85.554	85.428	-0.126
22	30	Biased	85.62	85.188	-0.4325
23	30	Biased	85.403	84.971	-0.4326
24	30	Biased	85.47	85.012	-0.4581
25	30	Biased	85.735	85.313	-0.4225
26	30	Biased	85.65	85.252	-0.3982
27	30	Unbiased	85.561	85.168	-0.3929
28	30	Unbiased	85.567	85.164	-0.4027
29	30	Unbiased	85.513	85.107	-0.4052
30	30	Unbiased	85.542	85.132	-0.41
31	30	Unbiased	85.63	85.277	-0.3531
32	50	Biased	85.604	84.885	-0.7187
33	50	Biased	85.7	85.008	-0.6925
34	50	Biased	85.433	84.649	-0.7837
35	50	Biased	85.531	84.772	-0.7597
36	50	Biased	85.394	84.703	-0.6906
37	50	Unbiased	85.546	84.903	-0.6424
39	50	Unbiased	85.636	84.97	-0.6661
40	50	Unbiased	85.721	85.14	-0.5808
41	50	Unbiased	85.491	84.798	-0.6929
42	50	Unbiased	85.528	84.883	-0.6452
43	100	Biased	85.593	84.317	-1.2754
44	100	Biased	85.778	84.43	-1.3484
45	100	Biased	85.533	84.088	-1.4453
46	100	Biased	85.711	84.406	-1.3054
47	100	Biased	85.662	84.399	-1.2627
48	100	Unbiased	85.668	84.385	-1.2826
49	100	Unbiased	85.669	84.348	-1.321
50	100	Unbiased	85.541	84.292	-1.2486
51	100	Unbiased	85.789	84.546	-1.2427
52	100	Unbiased	85.435	84.121	-1.3138
53	0	Correlation	85.648	85.703	0.0549
54	0	Correlation	85.442	85.5	0.058
55	0	Correlation	85.728	85.777	0.0489
56	0	Correlation	85.747	85.805	0.0578

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	85.442	85.641	85.747	0.13999	85.5	85.696	85.805	0.13805	0.0489	0.0549	0.058	0.0042434
3	85.627	85.724	85.97	0.099126	85.564	85.669	85.909	0.096438	-0.0845	-0.05509	-0.0315	0.015035
10	85.381	85.621	85.856	0.14021	85.254	85.498	85.747	0.14544	-0.1305	-0.1233	-0.1096	0.0075115
30	85.403	85.569	85.735	0.095276	84.971	85.158	85.313	0.10927	-0.4581	-0.41078	-0.3531	0.028336
50	85.394	85.558	85.721	0.10736	84.649	84.871	85.14	0.14714	-0.7837	-0.68726	-0.5808	0.05885
100	85.435	85.638	85.789	0.11257	84.088	84.333	84.546	0.13926	-1.4453	-1.3046	-1.2427	0.059749

Device Test: 6.101; VOH_PWRGD_10MA





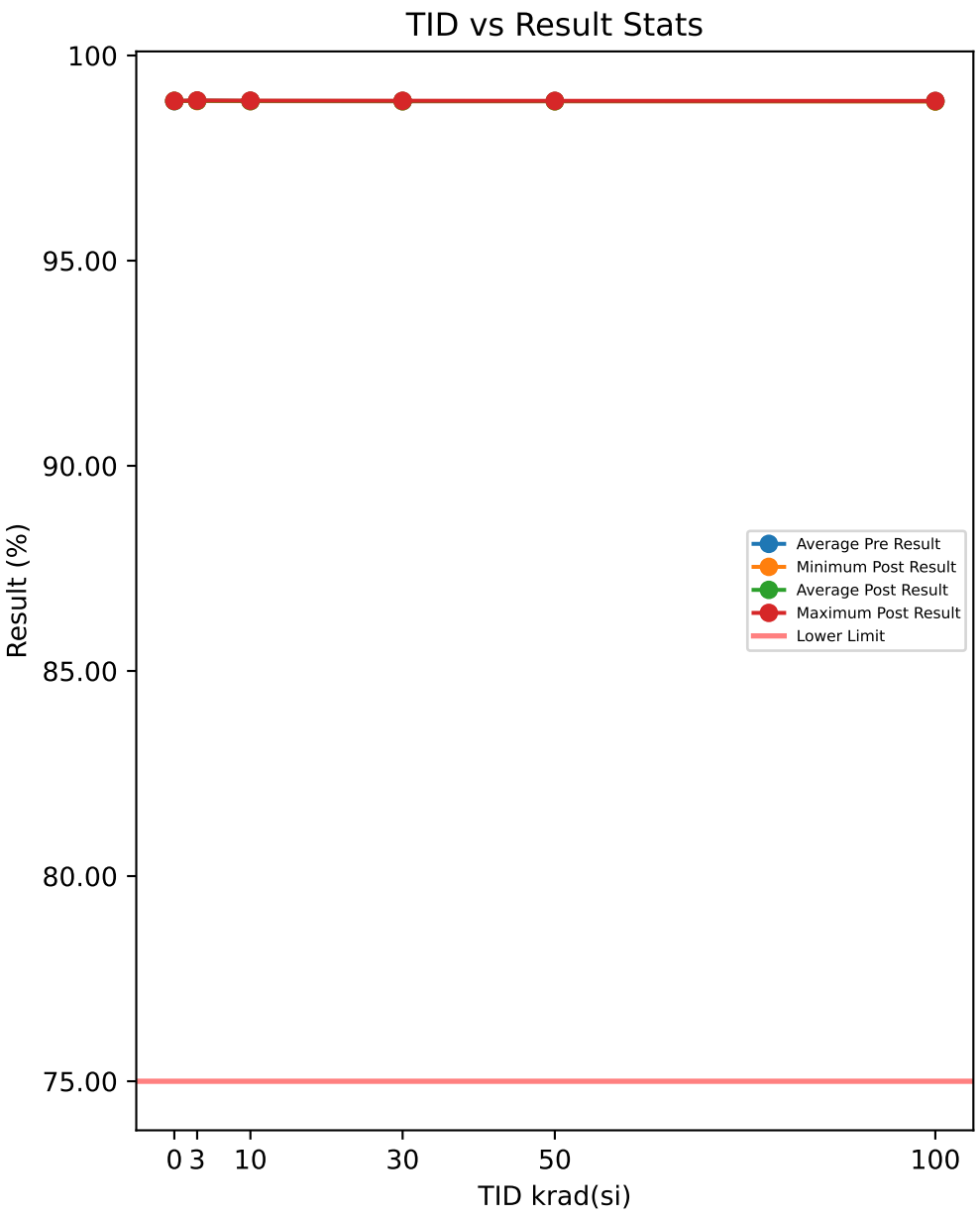
Test Results (Lower Limit = 75.0 (%))

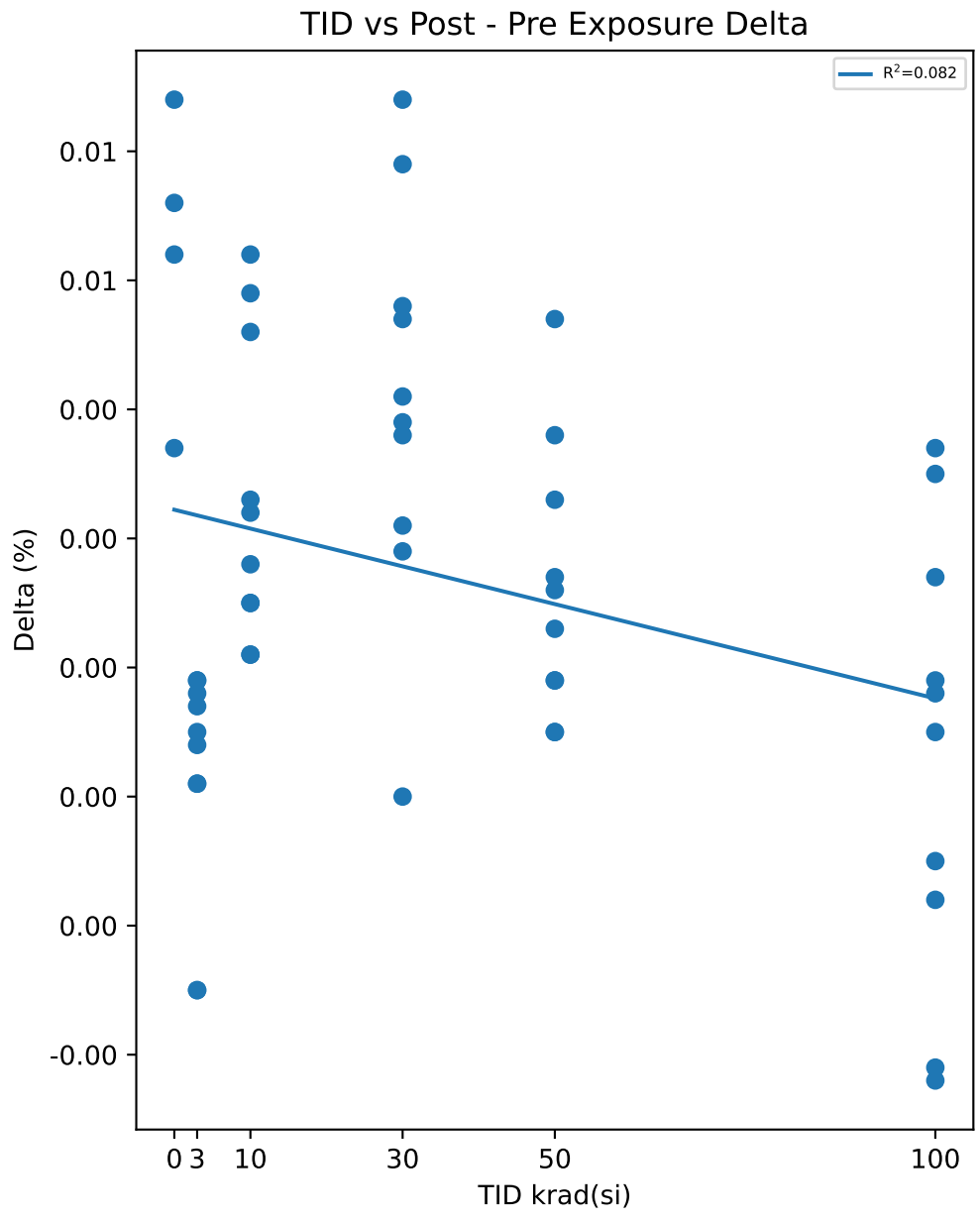
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	86.06	85.98	-0.0801
3	3	Biased	86.089	86.018	-0.0712
4	3	Biased	86.317	86.263	-0.0545
5	3	Biased	86.021	85.964	-0.0572
6	3	Biased	86.076	86.013	-0.0621
7	3	Unbiased	85.992	85.951	-0.041
8	3	Unbiased	86.089	86.044	-0.0453
9	3	Unbiased	86.063	86.025	-0.0386
10	3	Unbiased	86.098	86.059	-0.0386
11	3	Unbiased	86.011	85.968	-0.0428
12	10	Unbiased	85.88	85.751	-0.1284
13	10	Unbiased	85.776	85.647	-0.1299
14	10	Unbiased	85.888	85.762	-0.126
15	10	Unbiased	86.034	85.908	-0.1264
16	10	Unbiased	86.124	86.008	-0.1163
17	10	Biased	86.12	85.998	-0.1222
18	10	Biased	85.961	85.834	-0.127
19	10	Biased	86.271	86.161	-0.1104
20	10	Biased	86.068	85.937	-0.1316
21	10	Biased	85.936	85.815	-0.1212
22	30	Biased	86.011	85.599	-0.4127
23	30	Biased	85.754	85.336	-0.4179
24	30	Biased	85.846	85.412	-0.4334
25	30	Biased	86.141	85.735	-0.4064
26	30	Biased	86.082	85.695	-0.3865
27	30	Unbiased	85.886	85.51	-0.3765
28	30	Unbiased	85.912	85.52	-0.392
29	30	Unbiased	85.848	85.462	-0.3858
30	30	Unbiased	85.879	85.486	-0.3934
31	30	Unbiased	86.004	85.673	-0.331
32	50	Biased	85.924	85.241	-0.6826
33	50	Biased	86.085	85.429	-0.6559
34	50	Biased	85.798	85.046	-0.7524
35	50	Biased	85.874	85.137	-0.7362
36	50	Biased	85.82	85.163	-0.6573
37	50	Unbiased	85.956	85.335	-0.6207
39	50	Unbiased	86.052	85.417	-0.6354
40	50	Unbiased	86.058	85.492	-0.5658
41	50	Unbiased	85.867	85.207	-0.6591
42	50	Unbiased	85.893	85.272	-0.6213
43	100	Biased	85.908	84.665	-1.2428
44	100	Biased	86.126	84.828	-1.2985
45	100	Biased	85.856	84.468	-1.3886
46	100	Biased	86.025	84.769	-1.256
47	100	Biased	86.025	84.809	-1.2167
48	100	Unbiased	85.984	84.743	-1.241
49	100	Unbiased	86.017	84.738	-1.2782
50	100	Unbiased	85.887	84.68	-1.2066
51	100	Unbiased	86.085	84.864	-1.221
52	100	Unbiased	85.828	84.581	-1.2471
53	0	Correlation	86.004	86.052	0.0484
54	0	Correlation	85.802	85.851	0.049
55	0	Correlation	86.049	86.097	0.0483
56	0	Correlation	86.04	86.098	0.0575

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	85.802	85.974	86.049	0.11604	85.851	86.025	86.098	0.11754	0.0483	0.0508	0.0575	0.0044774
3	85.992	86.082	86.317	0.090394	85.951	86.028	86.263	0.089868	-0.0801	-0.05314	-0.0386	0.014492
10	85.776	86.006	86.271	0.14582	85.647	85.882	86.161	0.15066	-0.1316	-0.12394	-0.1104	0.0065488
30	85.754	85.936	86.141	0.11968	85.336	85.543	85.735	0.12963	-0.4334	-0.39356	-0.331	0.027945
50	85.798	85.933	86.085	0.10228	85.046	85.274	85.492	0.14323	-0.7524	-0.65867	-0.5658	0.05516
100	85.828	85.974	86.126	0.099929	84.468	84.714	84.864	0.12059	-1.3886	-1.2596	-1.2066	0.053163

Device Test: 6.102; VOH_RESET_10MA





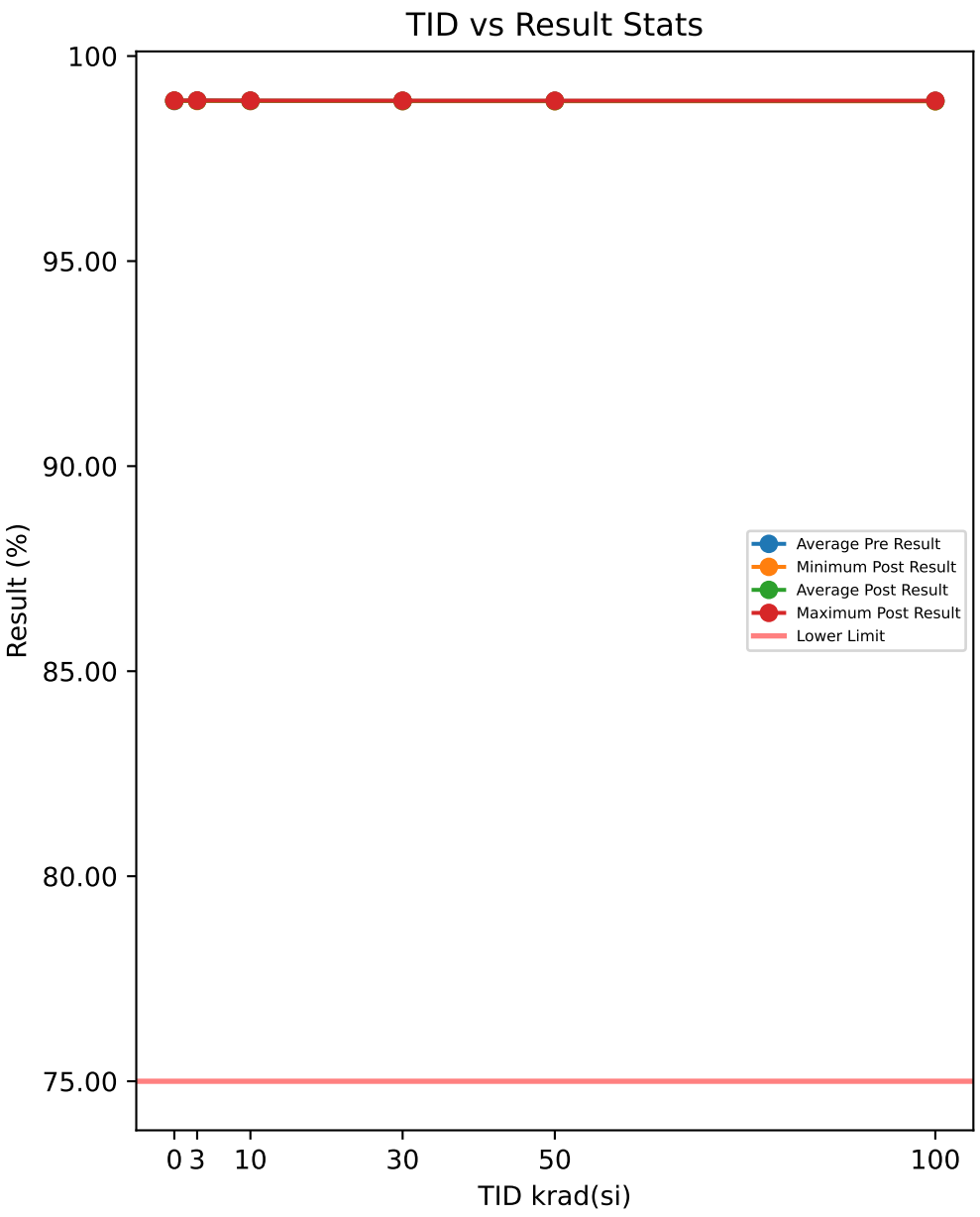
Test Results (Lower Limit = 75.0 (%))

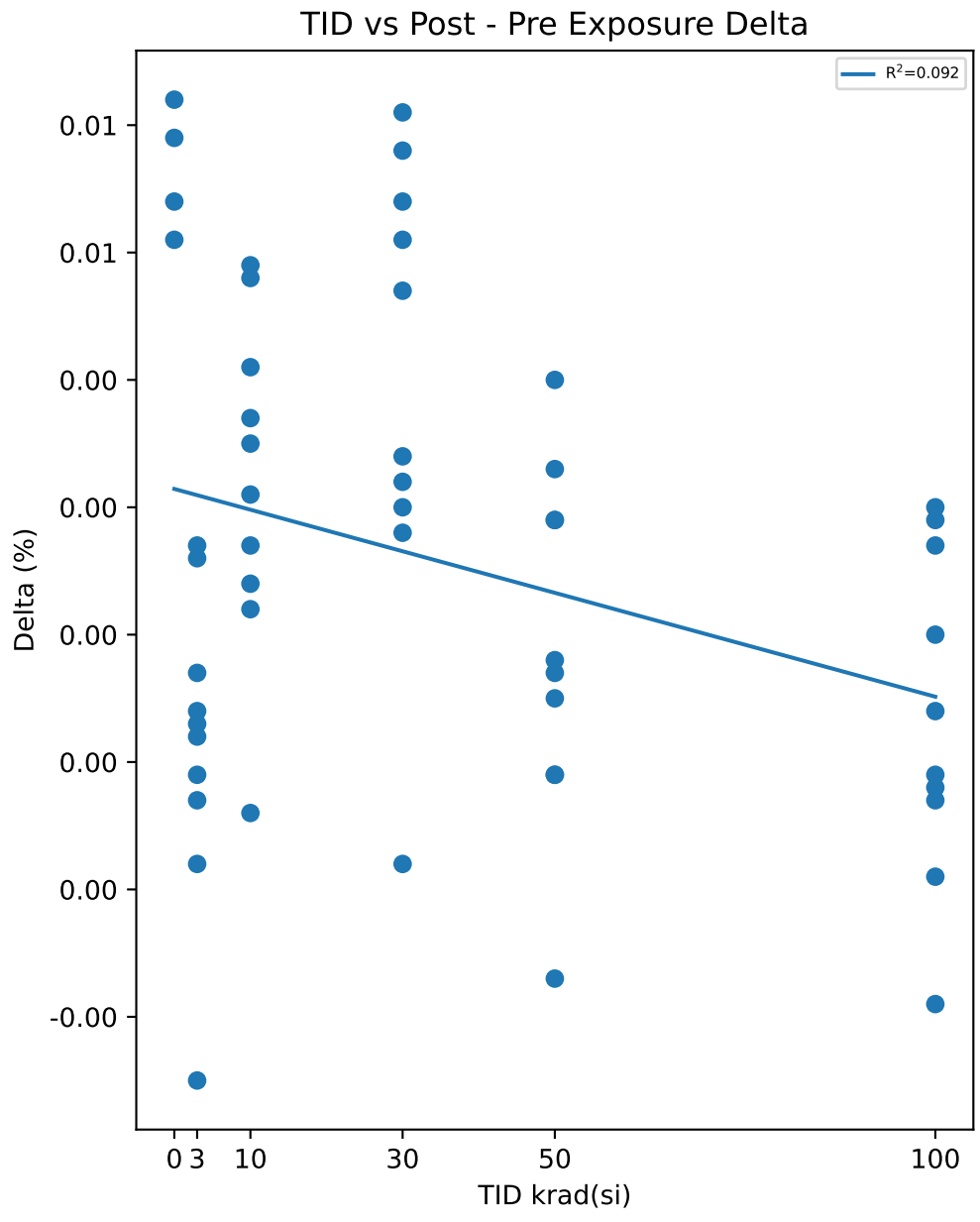
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	98.897	98.897	-0.0005
3	3	Biased	98.891	98.892	0.0011
4	3	Biased	98.903	98.904	0.0014
5	3	Biased	98.887	98.889	0.0017
6	3	Biased	98.904	98.903	-0.0005
7	3	Unbiased	98.897	98.899	0.0019
8	3	Unbiased	98.892	98.894	0.0015
9	3	Unbiased	98.893	98.894	0.0011
10	3	Unbiased	98.895	98.897	0.0019
11	3	Unbiased	98.893	98.894	0.0018
12	10	Unbiased	98.885	98.887	0.0021
13	10	Unbiased	98.884	98.886	0.0025
14	10	Unbiased	98.886	98.89	0.0032
15	10	Unbiased	98.887	98.889	0.0021
16	10	Unbiased	98.891	98.894	0.0028
17	10	Biased	98.891	98.894	0.0025
18	10	Biased	98.89	98.894	0.0046
19	10	Biased	98.895	98.9	0.0049
20	10	Biased	98.891	98.897	0.0052
21	10	Biased	98.887	98.89	0.0033
22	30	Biased	98.882	98.886	0.0047
23	30	Biased	98.878	98.884	0.0064
24	30	Biased	98.882	98.886	0.0048
25	30	Biased	98.891	98.897	0.0059
26	30	Biased	98.888	98.892	0.0039
27	30	Unbiased	98.884	98.888	0.0038
28	30	Unbiased	98.885	98.886	0.001
29	30	Unbiased	98.891	98.895	0.0041
30	30	Unbiased	98.885	98.889	0.0031
31	30	Unbiased	98.889	98.892	0.0029
32	50	Biased	98.889	98.891	0.0019
33	50	Biased	98.888	98.89	0.0023
34	50	Biased	98.88	98.883	0.0026
35	50	Biased	98.888	98.89	0.0015
36	50	Biased	98.881	98.885	0.0038
37	50	Unbiased	98.889	98.891	0.0027
39	50	Unbiased	98.888	98.89	0.0019
40	50	Unbiased	98.89	98.895	0.0047
41	50	Unbiased	98.881	98.884	0.0033
42	50	Unbiased	98.886	98.888	0.0015
43	100	Biased	98.887	98.889	0.0027
44	100	Biased	98.885	98.889	0.0037
45	100	Biased	98.88	98.882	0.0018
46	100	Biased	98.889	98.893	0.0035
47	100	Biased	98.88	98.882	0.0019
48	100	Unbiased	98.891	98.89	-0.0012
49	100	Unbiased	98.892	98.893	0.0005
50	100	Unbiased	98.889	98.888	-0.0011
51	100	Unbiased	98.878	98.878	0.0002
52	100	Unbiased	98.881	98.883	0.0015
53	0	Correlation	98.888	98.893	0.0052
54	0	Correlation	98.884	98.891	0.0064
55	0	Correlation	98.89	98.894	0.0037
56	0	Correlation	98.885	98.89	0.0056

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	98.887	98.89	0.0029833	98.89	98.892	98.894	0.0019721	0.0037	0.005225	0.0064	0.0011325
3	98.887	98.895	98.904	0.005191	98.889	98.896	98.904	0.0048095	-0.0005	0.00114	0.0019	0.0009119
10	98.884	98.889	98.895	0.0035158	98.886	98.892	98.9	0.0043801	0.0021	0.00332	0.0052	0.0011679
30	98.878	98.886	98.891	0.0044145	98.884	98.89	98.897	0.0042625	0.001	0.00406	0.0064	0.0015472
50	98.88	98.886	98.89	0.0037858	98.883	98.889	98.895	0.0037275	0.0015	0.00262	0.0047	0.0010454
100	98.878	98.885	98.892	0.0051827	98.878	98.887	98.893	0.0051171	-0.0012	0.00135	0.0037	0.0017335

Device Test: 6.103; VOH_RESET_10MA





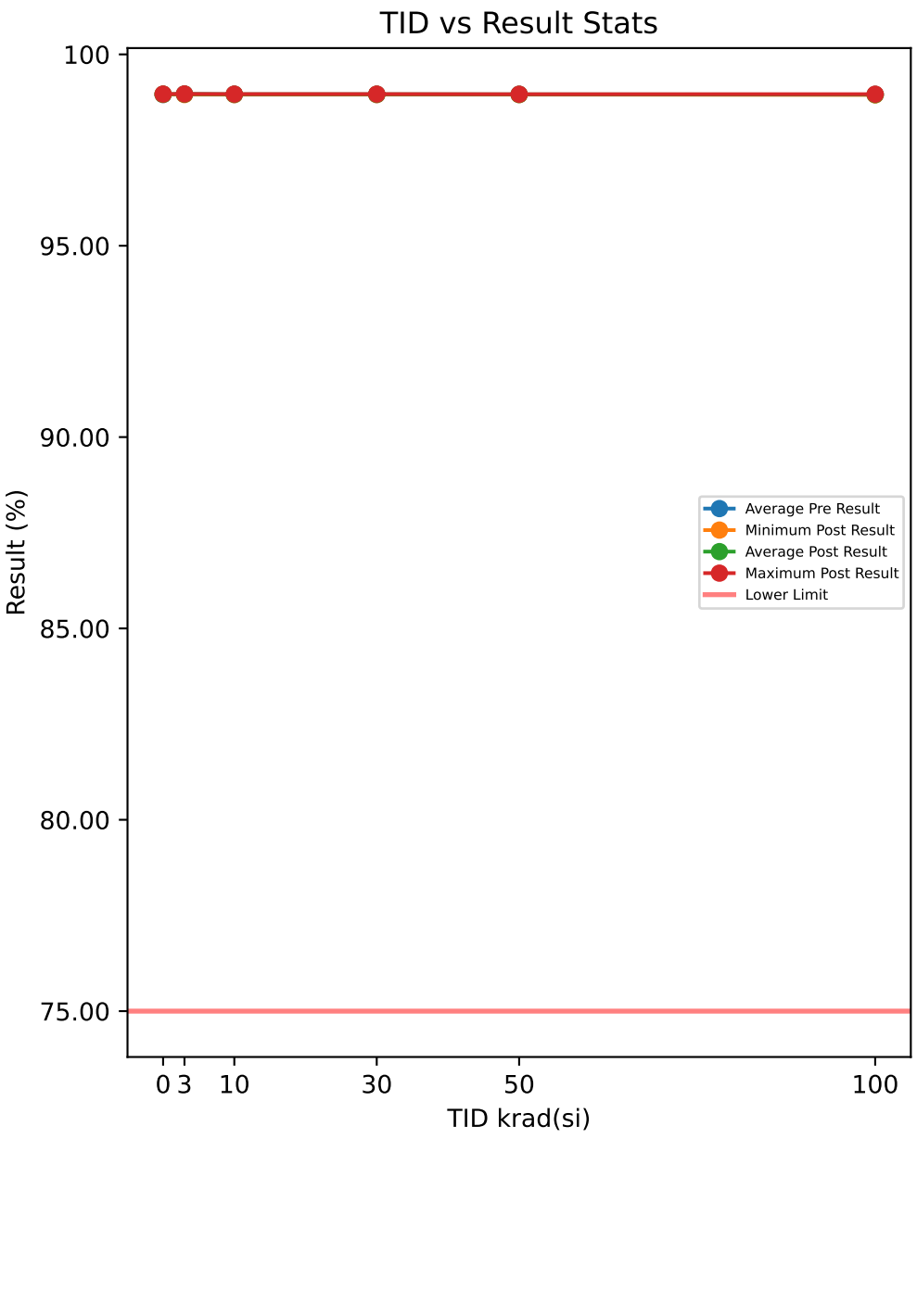
Test Results (Lower Limit = 75.0 (%))

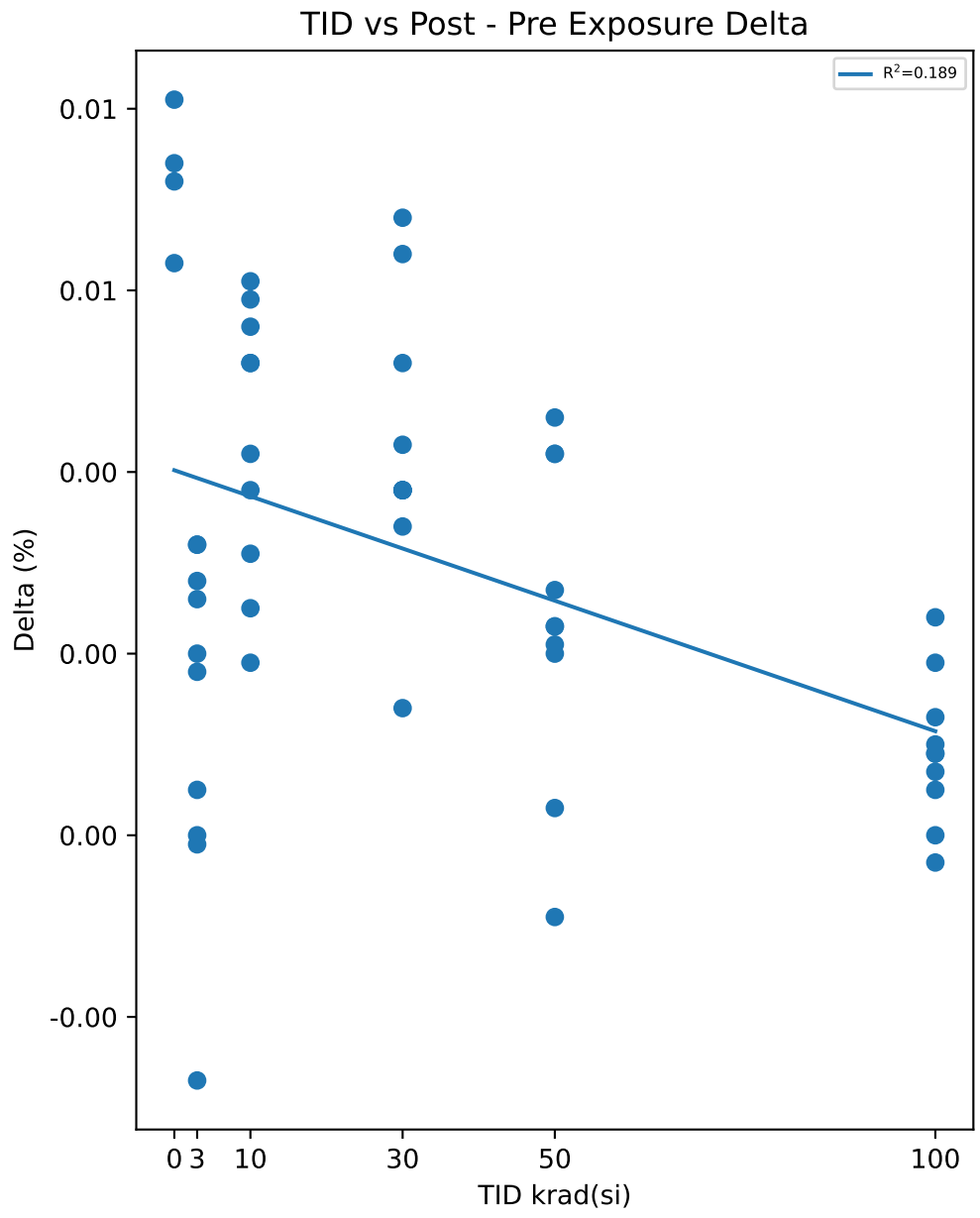
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	98.916	98.915	-0.0015
3	3	Biased	98.904	98.904	0.0002
4	3	Biased	98.916	98.917	0.0009
5	3	Biased	98.908	98.91	0.0012
6	3	Biased	98.915	98.916	0.0013
7	3	Unbiased	98.911	98.913	0.0017
8	3	Unbiased	98.91	98.912	0.0027
9	3	Unbiased	98.912	98.913	0.0014
10	3	Unbiased	98.909	98.912	0.0026
11	3	Unbiased	98.906	98.907	0.0007
12	10	Unbiased	98.901	98.904	0.0024
13	10	Unbiased	98.9	98.903	0.0031
14	10	Unbiased	98.902	98.905	0.0035
15	10	Unbiased	98.904	98.907	0.0027
16	10	Unbiased	98.913	98.913	0.0006
17	10	Biased	98.908	98.91	0.0022
18	10	Biased	98.905	98.909	0.0041
19	10	Biased	98.91	98.915	0.0048
20	10	Biased	98.905	98.91	0.0049
21	10	Biased	98.906	98.91	0.0037
22	30	Biased	98.905	98.909	0.0034
23	30	Biased	98.894	98.9	0.0061
24	30	Biased	98.9	98.905	0.0047
25	30	Biased	98.907	98.912	0.0054
26	30	Biased	98.907	98.91	0.003
27	30	Unbiased	98.9	98.903	0.0032
28	30	Unbiased	98.901	98.902	0.0002
29	30	Unbiased	98.907	98.912	0.0051
30	30	Unbiased	98.902	98.908	0.0058
31	30	Unbiased	98.903	98.905	0.0028
32	50	Biased	98.904	98.907	0.0029
33	50	Biased	98.903	98.905	0.0018
34	50	Biased	98.897	98.898	0.0009
35	50	Biased	98.905	98.904	-0.0007
36	50	Biased	98.897	98.9	0.0033
37	50	Unbiased	98.904	98.905	0.0017
39	50	Unbiased	98.908	98.912	0.004
40	50	Unbiased	98.906	98.909	0.0029
41	50	Unbiased	98.901	98.903	0.0015
42	50	Unbiased	98.906	98.907	0.0009
43	100	Biased	98.903	98.904	0.0009
44	100	Biased	98.904	98.907	0.003
45	100	Biased	98.898	98.901	0.0029
46	100	Biased	98.909	98.911	0.0027
47	100	Biased	98.897	98.899	0.002
48	100	Unbiased	98.903	98.904	0.0008
49	100	Unbiased	98.911	98.911	0.0001
50	100	Unbiased	98.902	98.901	-0.0009
51	100	Unbiased	98.895	98.896	0.0007
52	100	Unbiased	98.899	98.9	0.0014
53	0	Correlation	98.909	98.915	0.0062
54	0	Correlation	98.903	98.909	0.0054
55	0	Correlation	98.904	98.909	0.0051
56	0	Correlation	98.9	98.906	0.0059

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	98.9	98.904	98.909	0.0037296	98.906	98.91	98.915	0.0039522	0.0051	0.00565	0.0062	0.00049329
3	98.904	98.911	98.916	0.0041645	98.904	98.912	98.917	0.0040669	-0.0015	0.00112	0.0027	0.0012054
10	98.9	98.905	98.913	0.0039801	98.903	98.909	98.915	0.0038823	0.0006	0.0032	0.0049	0.0013021
30	98.894	98.903	98.907	0.0041738	98.9	98.907	98.912	0.0043231	0.0002	0.00397	0.0061	0.0018006
50	98.897	98.903	98.908	0.003714	98.898	98.905	98.912	0.0040822	-0.0007	0.00192	0.004	0.0013879
100	98.895	98.902	98.911	0.0049184	98.896	98.903	98.911	0.004967	-0.0009	0.00136	0.003	0.0012877

Device Test: 6.104; VOH_RESET_10MA





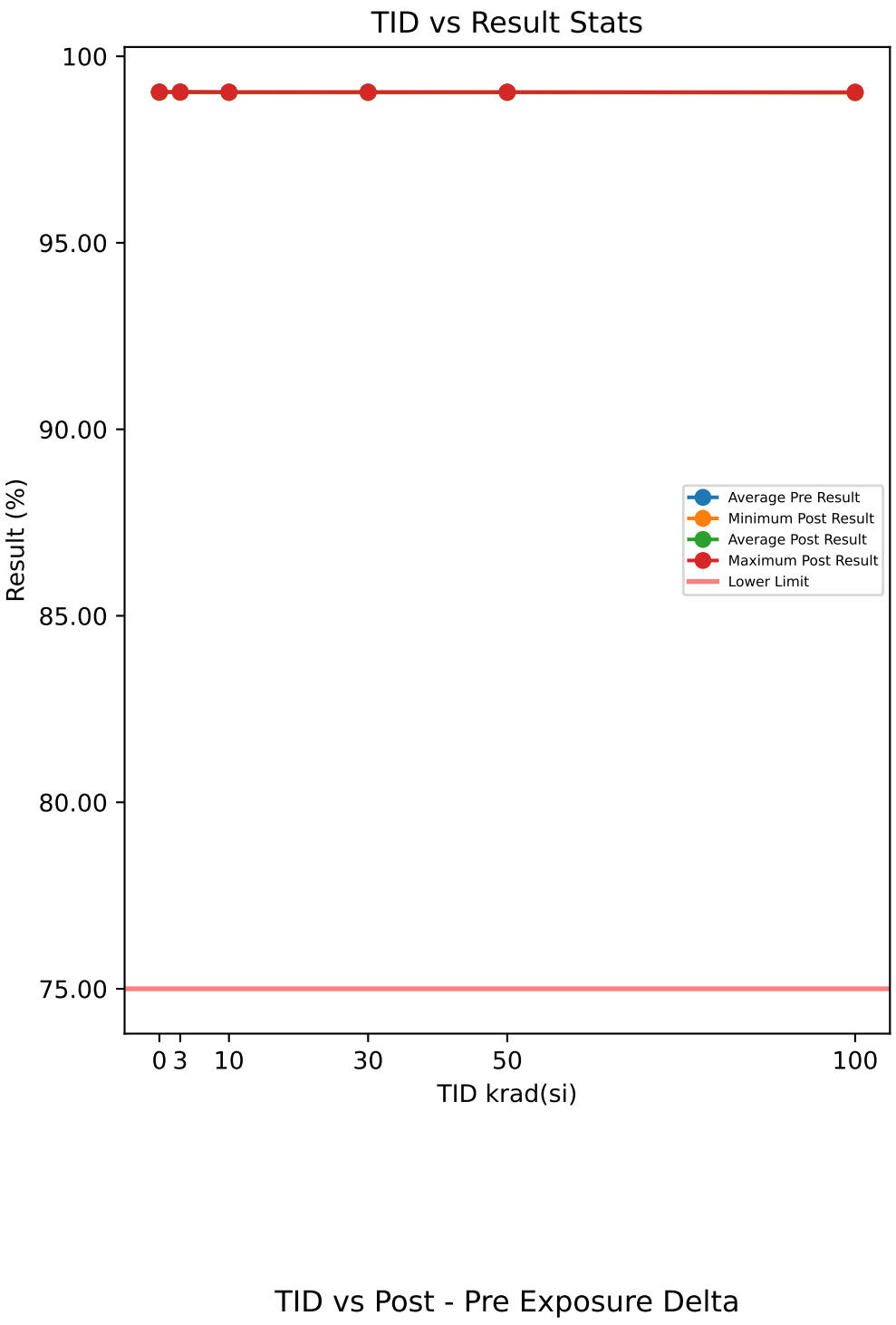
Test Results (Lower Limit = 75.0 (%))

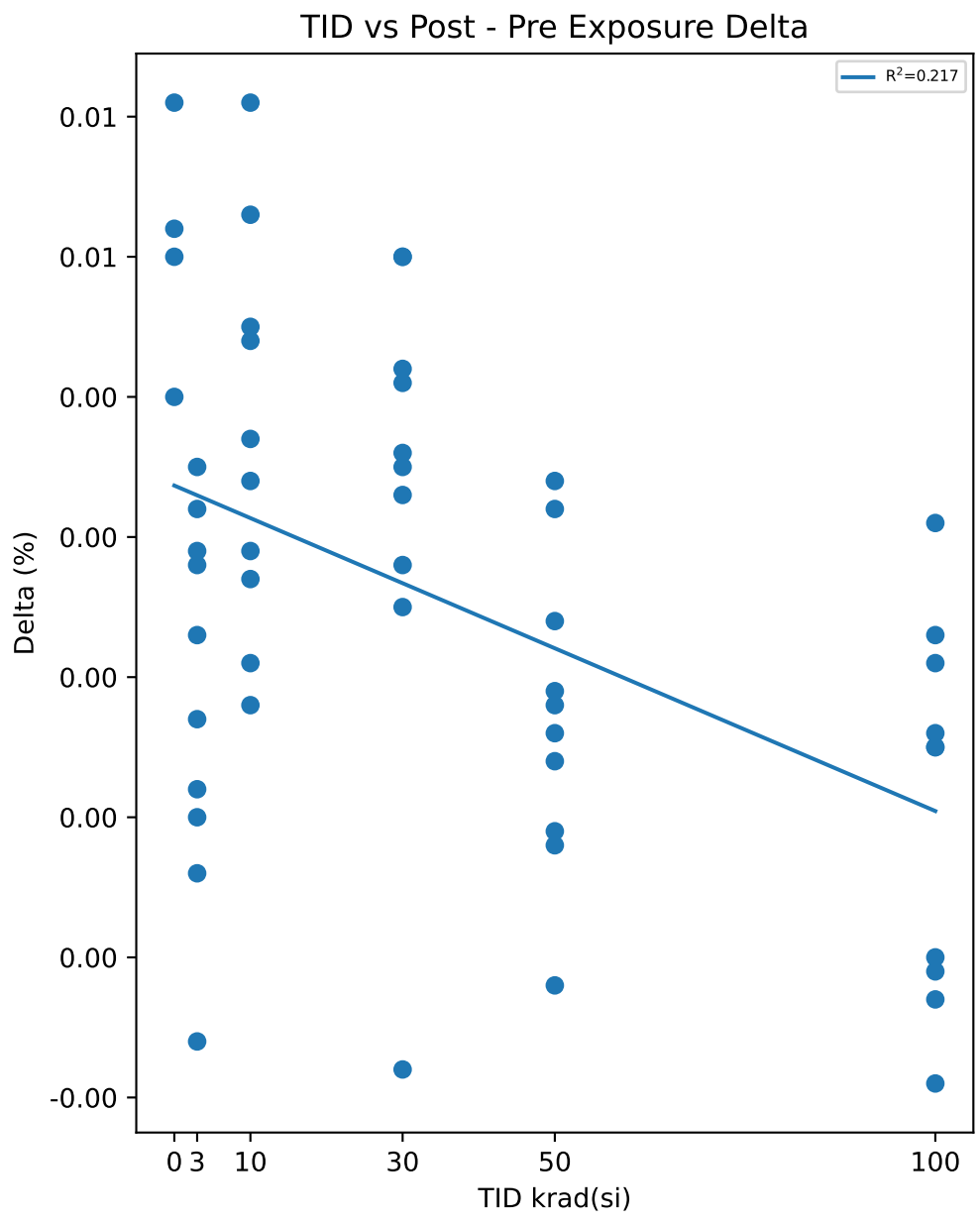
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	98.966	98.964	-0.0027
3	3	Biased	98.95	98.95	0
4	3	Biased	98.967	98.966	-0.0001
5	3	Biased	98.96	98.962	0.0026
6	3	Biased	98.963	98.964	0.0005
7	3	Unbiased	98.959	98.961	0.002
8	3	Unbiased	98.959	98.961	0.0018
9	3	Unbiased	98.961	98.964	0.0032
10	3	Unbiased	98.959	98.962	0.0032
11	3	Unbiased	98.957	98.96	0.0028
12	10	Unbiased	98.952	98.955	0.0031
13	10	Unbiased	98.947	98.949	0.0025
14	10	Unbiased	98.947	98.952	0.0052
15	10	Unbiased	98.954	98.958	0.0038
16	10	Unbiased	98.957	98.959	0.0019
17	10	Biased	98.959	98.963	0.0042
18	10	Biased	98.95	98.956	0.0061
19	10	Biased	98.956	98.962	0.0059
20	10	Biased	98.951	98.957	0.0056
21	10	Biased	98.951	98.957	0.0052
22	30	Biased	98.958	98.962	0.0038
23	30	Biased	98.944	98.95	0.0064
24	30	Biased	98.952	98.955	0.0038
25	30	Biased	98.957	98.963	0.0052
26	30	Biased	98.957	98.961	0.0043
27	30	Unbiased	98.949	98.953	0.0038
28	30	Unbiased	98.953	98.954	0.0014
29	30	Unbiased	98.953	98.96	0.0068
30	30	Unbiased	98.954	98.957	0.0034
31	30	Unbiased	98.948	98.952	0.0038
32	50	Biased	98.955	98.956	0.0003
33	50	Biased	98.954	98.956	0.0021
34	50	Biased	98.947	98.95	0.0023
35	50	Biased	98.95	98.95	-0.0009
36	50	Biased	98.946	98.951	0.0046
37	50	Unbiased	98.955	98.959	0.0042
39	50	Unbiased	98.957	98.959	0.002
40	50	Unbiased	98.955	98.959	0.0042
41	50	Unbiased	98.948	98.951	0.0027
42	50	Unbiased	98.953	98.956	0.0023
43	100	Biased	98.949	98.95	0.0007
44	100	Biased	98.956	98.957	0.0005
45	100	Biased	98.946	98.947	0.0013
46	100	Biased	98.954	98.956	0.0024
47	100	Biased	98.943	98.944	0.0009
48	100	Unbiased	98.951	98.951	-0.0003
49	100	Unbiased	98.959	98.96	0.0009
50	100	Unbiased	98.951	98.952	0.001
51	100	Unbiased	98.94	98.942	0.0019
52	100	Unbiased	98.947	98.947	0
53	0	Correlation	98.956	98.964	0.0074
54	0	Correlation	98.948	98.956	0.0072
55	0	Correlation	98.953	98.959	0.0063
56	0	Correlation	98.947	98.955	0.0081

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	98.947	98.951	98.956	0.0043988	98.955	98.958	98.964	0.0040852	0.0063	0.00725	0.0081	0.00074162
3	98.95	98.96	98.967	0.0046538	98.95	98.961	98.966	0.0043015	-0.0027	0.00133	0.0032	0.0018909
10	98.947	98.952	98.959	0.004025	98.949	98.957	98.963	0.0041522	0.0019	0.00435	0.0061	0.0014827
30	98.944	98.952	98.958	0.0045164	98.95	98.957	98.963	0.0044555	0.0014	0.00427	0.0068	0.0015521
50	98.946	98.952	98.957	0.0038369	98.95	98.954	98.959	0.0039945	-0.0009	0.00238	0.0046	0.0017313
100	98.94	98.95	98.959	0.0059228	98.942	98.951	98.96	0.0058642	-0.0003	0.00093	0.0024	0.00080698

Device Test: 6.105; VOH_RESET_10MA





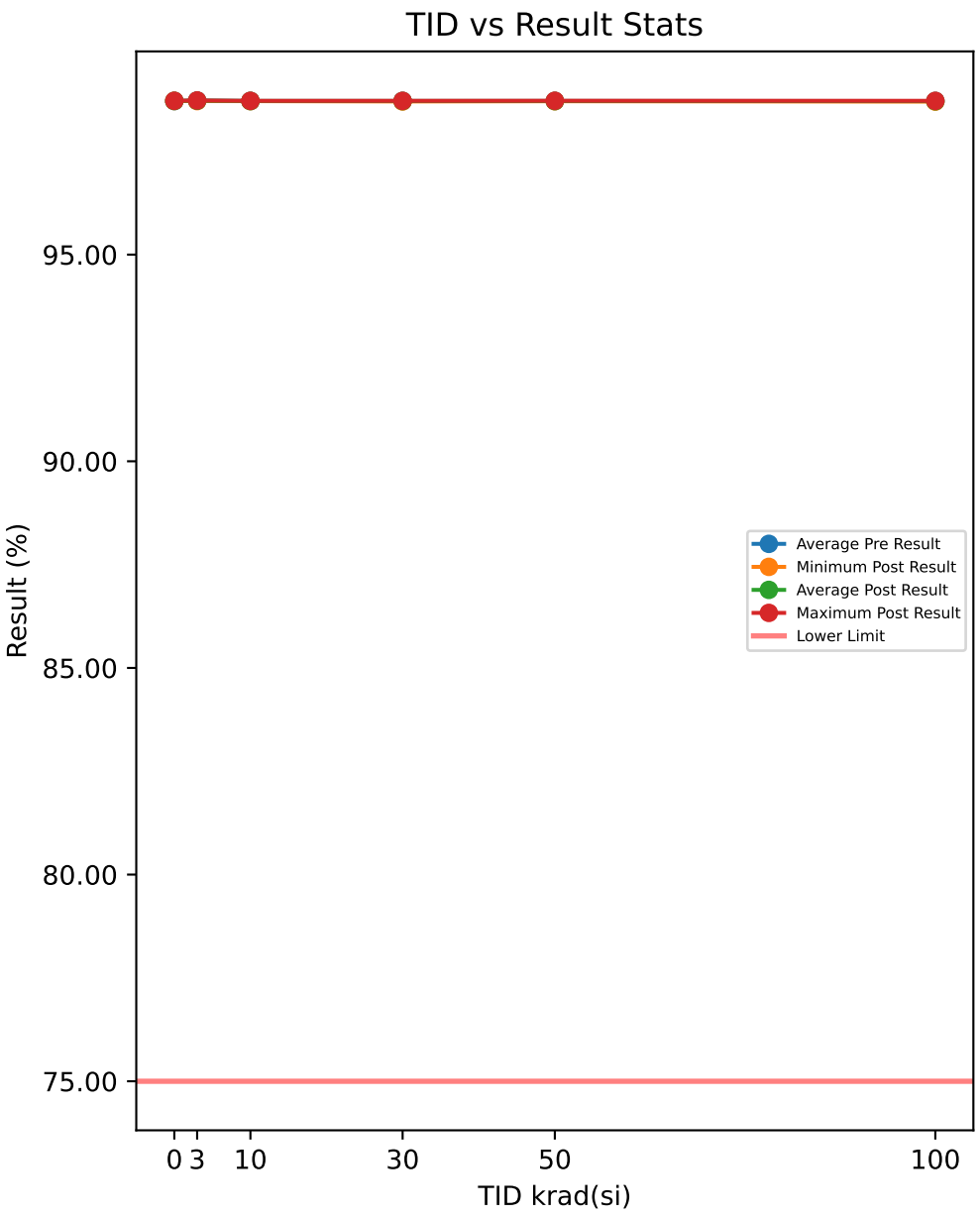
Test Results (Lower Limit = 75.0 (%))

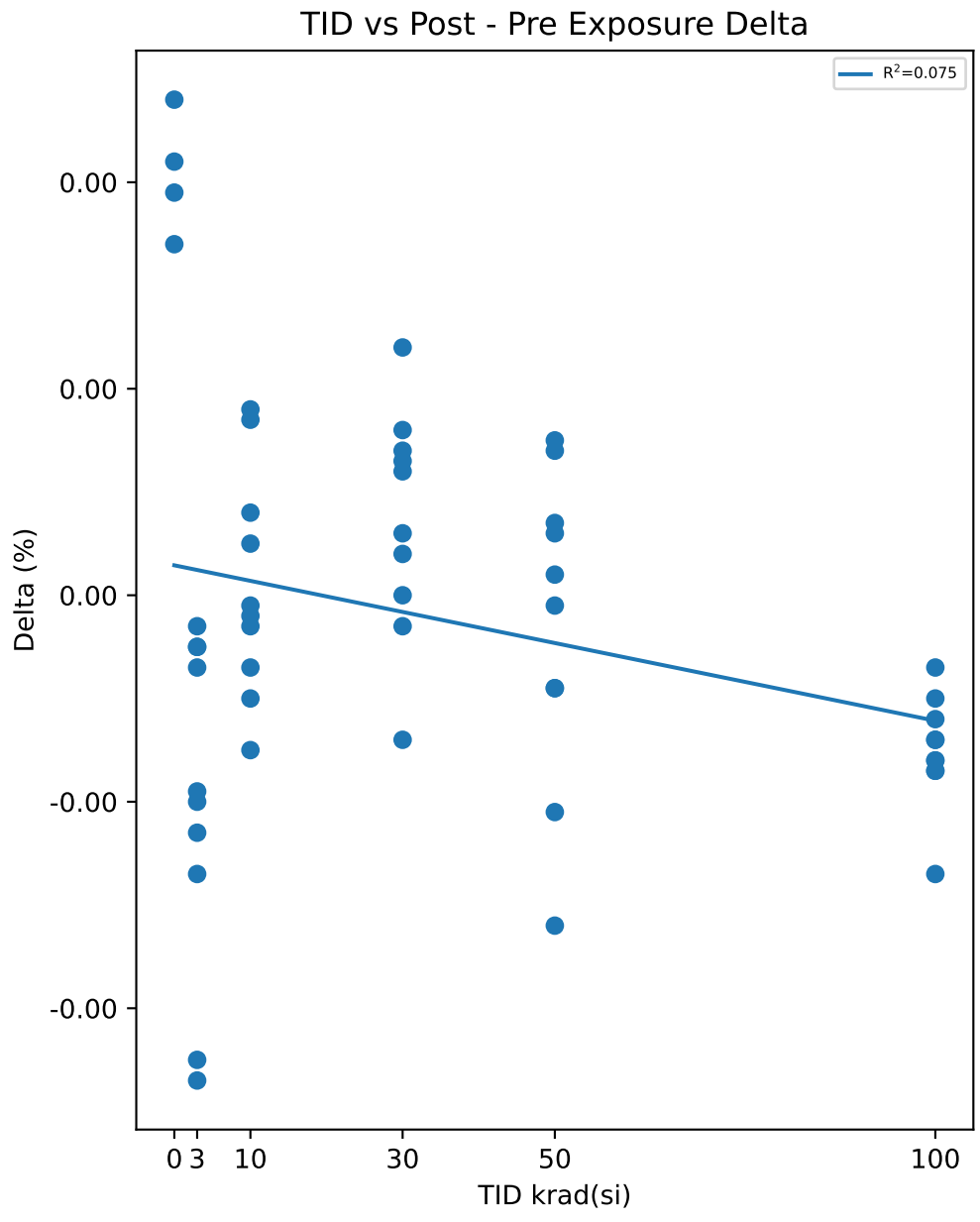
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	99.047	99.046	-0.0006
3	3	Biased	99.03	99.031	0.001
4	3	Biased	99.045	99.046	0.0012
5	3	Biased	99.036	99.04	0.0035
6	3	Biased	99.04	99.041	0.0006
7	3	Unbiased	99.034	99.037	0.0029
8	3	Unbiased	99.036	99.038	0.0017
9	3	Unbiased	99.036	99.039	0.0028
10	3	Unbiased	99.036	99.039	0.0023
11	3	Unbiased	99.038	99.041	0.0032
12	10	Unbiased	99.03	99.033	0.0029
13	10	Unbiased	99.027	99.029	0.0021
14	10	Unbiased	99.03	99.034	0.0034
15	10	Unbiased	99.034	99.038	0.0044
16	10	Unbiased	99.031	99.033	0.0027
17	10	Biased	99.037	99.038	0.0018
18	10	Biased	99.03	99.035	0.0053
19	10	Biased	99.037	99.041	0.0037
20	10	Biased	99.029	99.035	0.0061
21	10	Biased	99.031	99.035	0.0045
22	30	Biased	99.035	99.04	0.0042
23	30	Biased	99.023	99.026	0.0028
24	30	Biased	99.029	99.033	0.0036
25	30	Biased	99.037	99.042	0.005
26	30	Biased	99.035	99.038	0.0033
27	30	Unbiased	99.031	99.033	0.0025
28	30	Unbiased	99.034	99.033	-0.0008
29	30	Unbiased	99.034	99.038	0.0041
30	30	Unbiased	99.031	99.036	0.005
31	30	Unbiased	99.026	99.029	0.0035
32	50	Biased	99.038	99.038	-0.0002
33	50	Biased	99.035	99.037	0.0014
34	50	Biased	99.028	99.03	0.0019
35	50	Biased	99.031	99.032	0.0009
36	50	Biased	99.03	99.032	0.0018
37	50	Unbiased	99.035	99.037	0.0024
39	50	Unbiased	99.038	99.04	0.0016
40	50	Unbiased	99.035	99.038	0.0034
41	50	Unbiased	99.03	99.033	0.0032
42	50	Unbiased	99.035	99.036	0.0008
43	100	Biased	99.028	99.028	-0.0001
44	100	Biased	99.032	99.032	0
45	100	Biased	99.025	99.027	0.0015
46	100	Biased	99.035	99.039	0.0031
47	100	Biased	99.024	99.026	0.0023
48	100	Unbiased	99.036	99.035	-0.0009
49	100	Unbiased	99.032	99.034	0.0021
50	100	Unbiased	99.031	99.031	-0.0003
51	100	Unbiased	99.019	99.02	0.0015
52	100	Unbiased	99.028	99.029	0.0016
53	0	Correlation	99.039	99.044	0.005
54	0	Correlation	99.03	99.035	0.0052
55	0	Correlation	99.033	99.037	0.004
56	0	Correlation	99.028	99.034	0.0061

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	99.028	99.032	99.039	0.004764	99.034	99.037	99.044	0.0044249	0.004	0.005075	0.0061	0.00086168
3	99.03	99.038	99.047	0.0051038	99.031	99.04	99.046	0.0045521	-0.0006	0.00186	0.0035	0.0013117
10	99.027	99.032	99.037	0.0033699	99.029	99.035	99.041	0.00336	0.0018	0.00369	0.0061	0.0013884
30	99.023	99.032	99.037	0.0043365	99.026	99.035	99.042	0.0047812	-0.0008	0.00332	0.005	0.0016685
50	99.028	99.033	99.038	0.0035104	99.03	99.035	99.04	0.0032823	-0.0002	0.00172	0.0034	0.0010973
100	99.019	99.029	99.036	0.0053655	99.02	99.03	99.039	0.005206	-0.0009	0.00108	0.0031	0.0013172

Device Test: 6.106; VOH_WDO_10MA





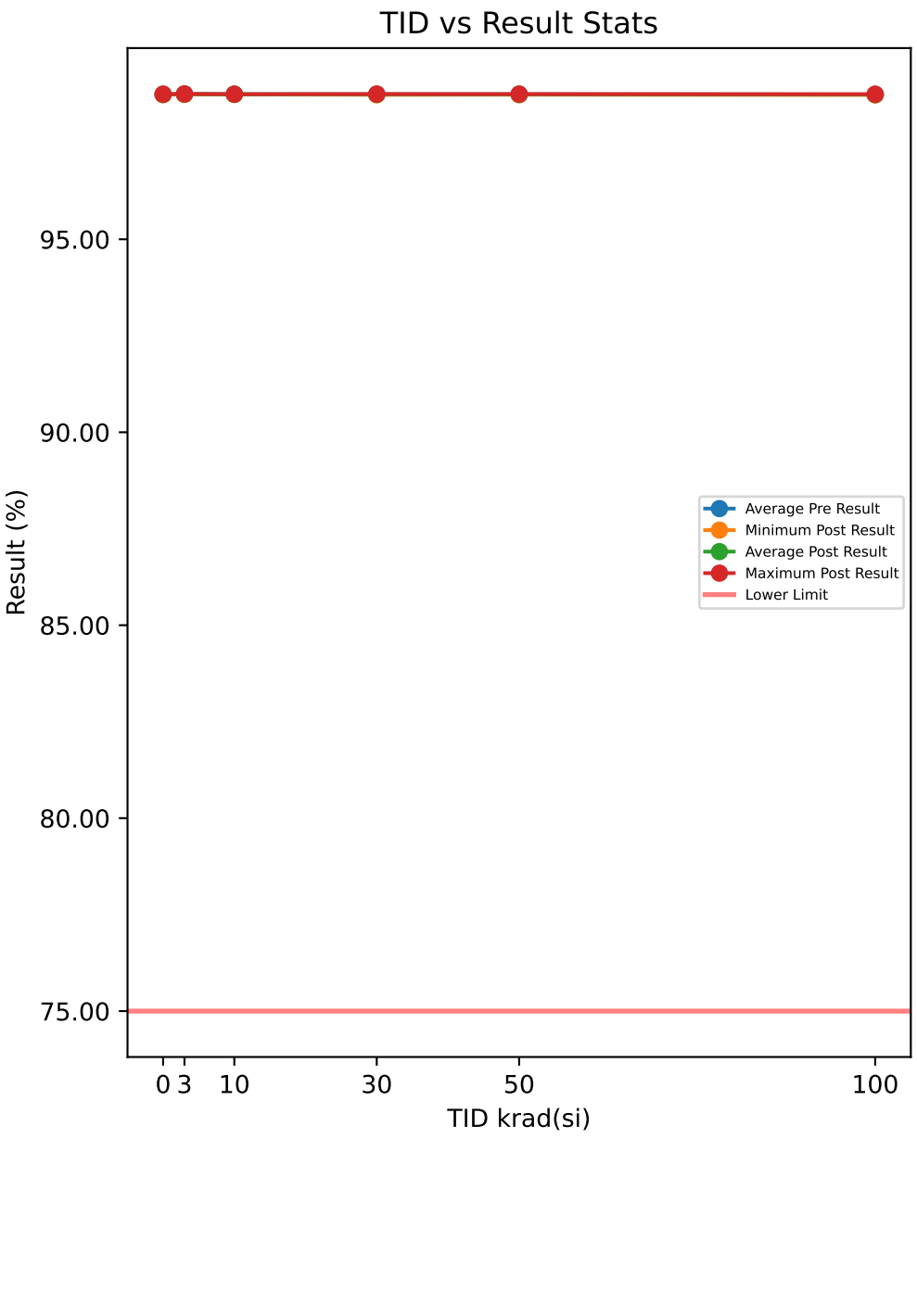
Test Results (Lower Limit = 75.0 (%))

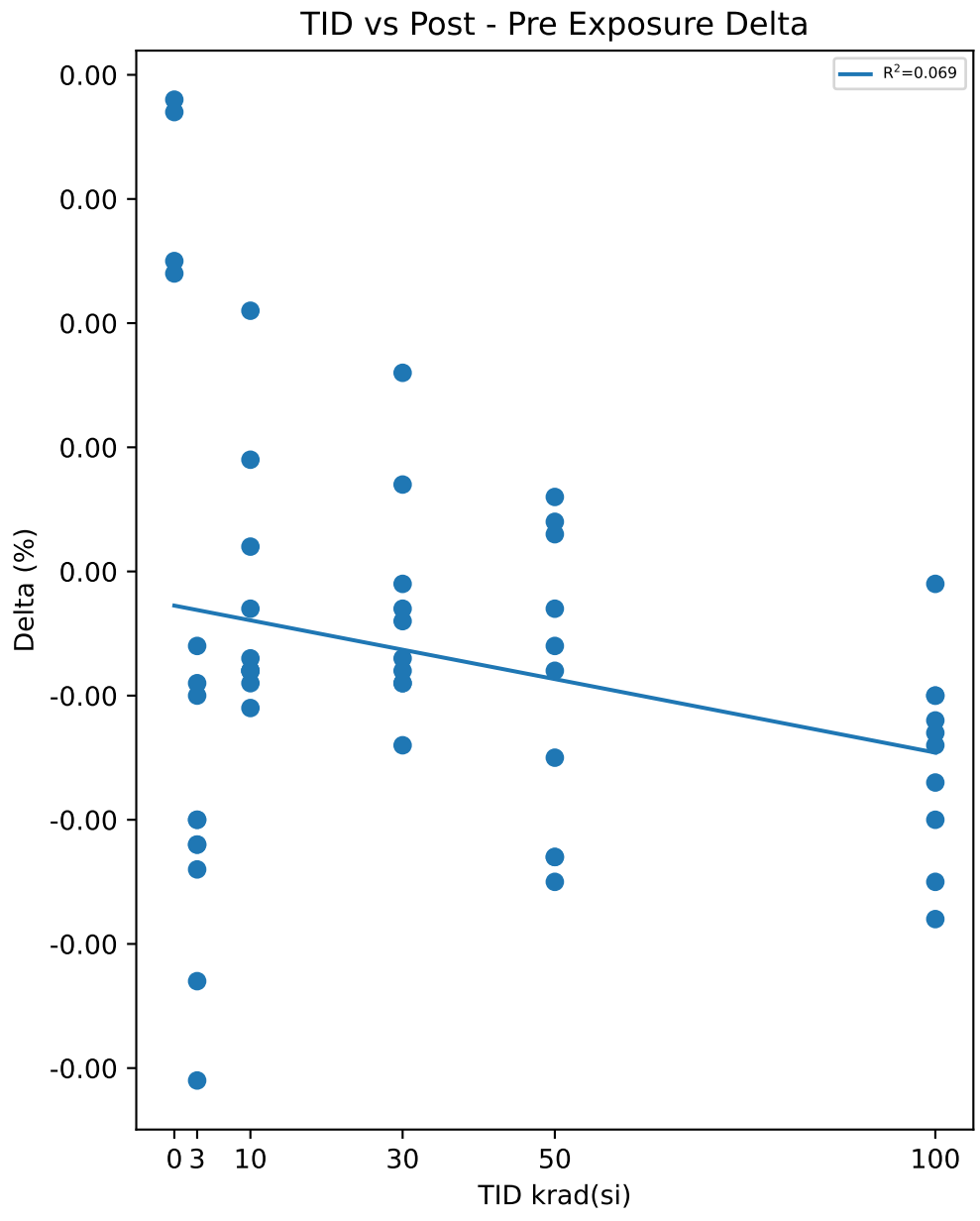
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	98.734	98.73	-0.0047
3	3	Biased	98.719	98.714	-0.0045
4	3	Biased	98.729	98.727	-0.0023
5	3	Biased	98.724	98.722	-0.0027
6	3	Biased	98.73	98.728	-0.002
7	3	Unbiased	98.725	98.723	-0.0019
8	3	Unbiased	98.723	98.722	-0.0007
9	3	Unbiased	98.727	98.727	-0.0003
10	3	Unbiased	98.722	98.722	-0.0005
11	3	Unbiased	98.723	98.723	-0.0005
12	10	Unbiased	98.716	98.717	0.0005
13	10	Unbiased	98.714	98.713	-0.0015
14	10	Unbiased	98.716	98.716	-0.0001
15	10	Unbiased	98.72	98.72	-0.0003
16	10	Unbiased	98.714	98.713	-0.0007
17	10	Biased	98.719	98.721	0.0018
18	10	Biased	98.717	98.718	0.0008
19	10	Biased	98.714	98.715	0.0017
20	10	Biased	98.716	98.716	-0.0002
21	10	Biased	98.718	98.717	-0.001
22	30	Biased	98.719	98.719	-0.0003
23	30	Biased	98.715	98.716	0.0013
24	30	Biased	98.714	98.716	0.0014
25	30	Biased	98.72	98.721	0.0004
26	30	Biased	98.719	98.719	0.0006
27	30	Unbiased	98.717	98.717	0
28	30	Unbiased	98.718	98.717	-0.0014
29	30	Unbiased	98.715	98.717	0.0024
30	30	Unbiased	98.716	98.718	0.0016
31	30	Unbiased	98.703	98.704	0.0012
32	50	Biased	98.716	98.715	-0.0009
33	50	Biased	98.724	98.723	-0.0009
34	50	Biased	98.712	98.71	-0.0021
35	50	Biased	98.715	98.711	-0.0032
36	50	Biased	98.711	98.712	0.0006
37	50	Unbiased	98.717	98.717	-0.0001
39	50	Unbiased	98.719	98.721	0.0015
40	50	Unbiased	98.72	98.72	0.0007
41	50	Unbiased	98.715	98.715	0.0002
42	50	Unbiased	98.714	98.716	0.0014
43	100	Biased	98.713	98.712	-0.0017
44	100	Biased	98.722	98.721	-0.0016
45	100	Biased	98.714	98.712	-0.0016
46	100	Biased	98.721	98.721	-0.0007
47	100	Biased	98.707	98.704	-0.0027
48	100	Unbiased	98.719	98.718	-0.001
49	100	Unbiased	98.721	98.72	-0.0014
50	100	Unbiased	98.715	98.714	-0.0014
51	100	Unbiased	98.702	98.701	-0.0012
52	100	Unbiased	98.709	98.707	-0.0017
53	0	Correlation	98.717	98.722	0.0048
54	0	Correlation	98.712	98.716	0.0034
55	0	Correlation	98.716	98.72	0.0039
56	0	Correlation	98.712	98.717	0.0042

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	98.712	98.714	98.717	0.0024173	98.716	98.719	98.722	0.0028371	0.0034	0.004075	0.0048	0.00058523
3	98.719	98.726	98.734	0.0044723	98.714	98.724	98.73	0.0043699	-0.0047	-0.00201	-0.0003	0.0016059
10	98.714	98.716	98.72	0.0021262	98.713	98.716	98.721	0.0024636	-0.0015	0.0001	0.0018	0.0010954
30	98.703	98.716	98.72	0.0048112	98.704	98.716	98.721	0.0044669	-0.0014	0.00072	0.0024	0.0010952
50	98.711	98.716	98.724	0.0037373	98.71	98.716	98.723	0.0042372	-0.0032	-0.00028	0.0015	0.0015128
100	98.702	98.714	98.722	0.0067947	98.701	98.713	98.721	0.007057	-0.0027	-0.0015	-0.0007	0.00053125

Device Test: 6.107; VOH_PWRGD_10MA





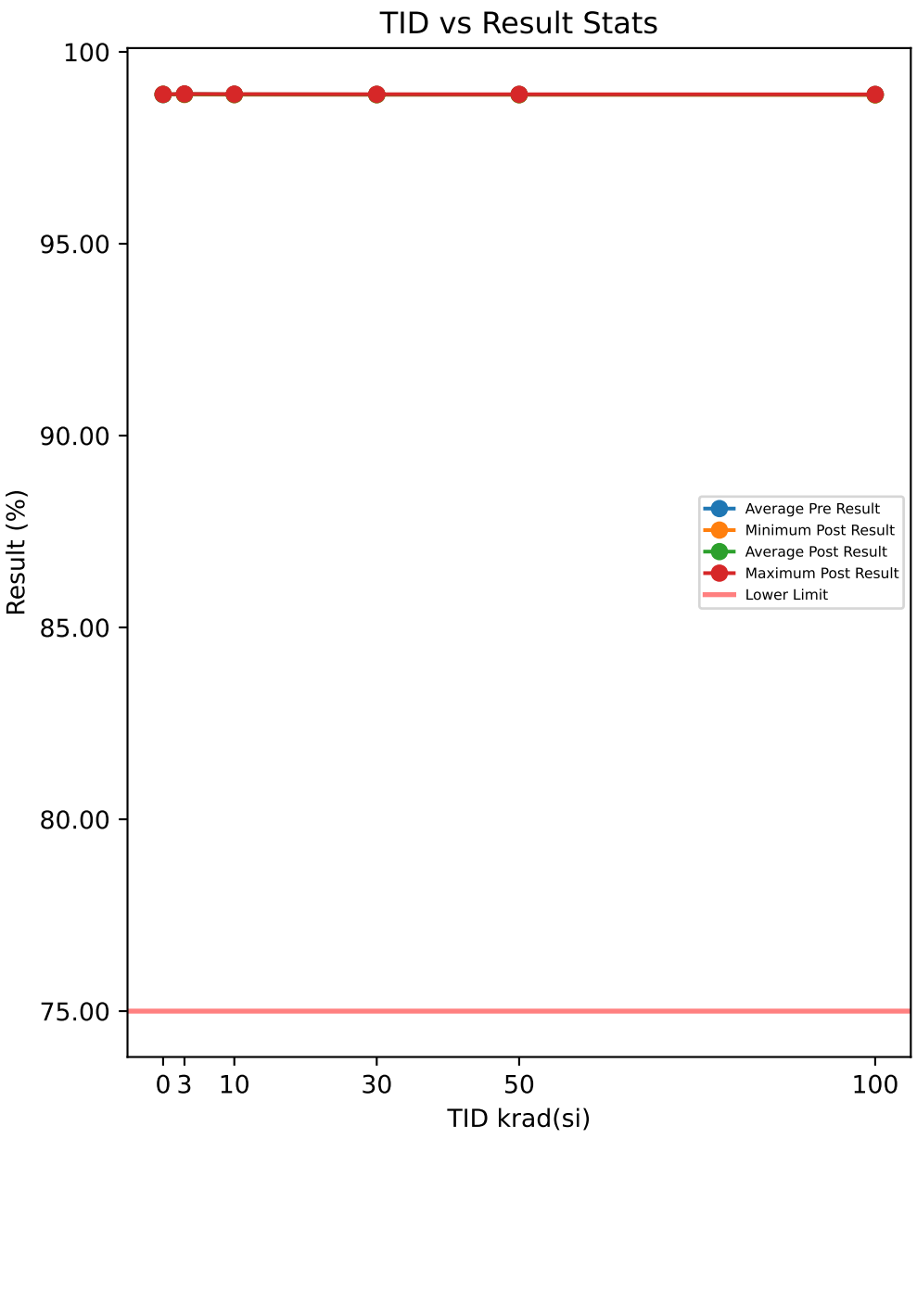
Test Results (Lower Limit = 75.0 (%))

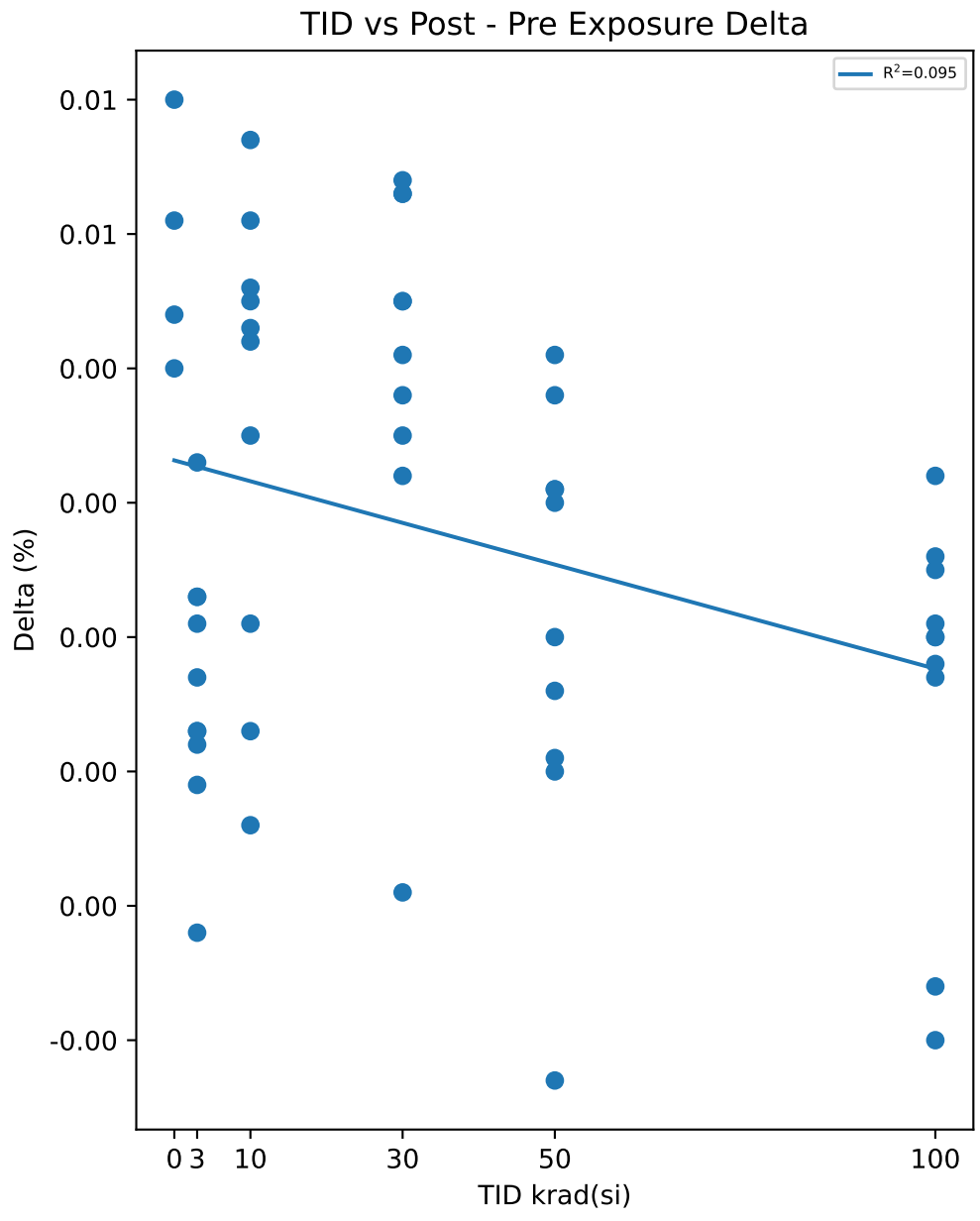
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	98.77	98.766	-0.0041
3	3	Biased	98.755	98.754	-0.002
4	3	Biased	98.768	98.766	-0.0024
5	3	Biased	98.763	98.761	-0.0022
6	3	Biased	98.768	98.765	-0.0033
7	3	Unbiased	98.762	98.761	-0.001
8	3	Unbiased	98.762	98.76	-0.002
9	3	Unbiased	98.766	98.765	-0.0009
10	3	Unbiased	98.763	98.762	-0.0006
11	3	Unbiased	98.763	98.761	-0.0022
12	10	Unbiased	98.759	98.758	-0.0011
13	10	Unbiased	98.756	98.755	-0.0007
14	10	Unbiased	98.755	98.755	-0.0003
15	10	Unbiased	98.759	98.758	-0.0008
16	10	Unbiased	98.755	98.754	-0.0009
17	10	Biased	98.761	98.76	-0.0008
18	10	Biased	98.755	98.757	0.0021
19	10	Biased	98.756	98.757	0.0009
20	10	Biased	98.756	98.755	-0.0008
21	10	Biased	98.759	98.76	0.0002
22	30	Biased	98.76	98.76	-0.0007
23	30	Biased	98.754	98.753	-0.0003
24	30	Biased	98.756	98.755	-0.0001
25	30	Biased	98.764	98.763	-0.0008
26	30	Biased	98.762	98.761	-0.0004
27	30	Unbiased	98.754	98.753	-0.0009
28	30	Unbiased	98.757	98.755	-0.0014
29	30	Unbiased	98.752	98.754	0.0016
30	30	Unbiased	98.756	98.756	0.0007
31	30	Unbiased	98.745	98.745	-0.0009
32	50	Biased	98.755	98.754	-0.0015
33	50	Biased	98.762	98.76	-0.0023
34	50	Biased	98.749	98.747	-0.0023
35	50	Biased	98.753	98.751	-0.0025
36	50	Biased	98.753	98.753	-0.0003
37	50	Unbiased	98.76	98.759	-0.0008
39	50	Unbiased	98.762	98.763	0.0003
40	50	Unbiased	98.759	98.759	0.0004
41	50	Unbiased	98.752	98.753	0.0006
42	50	Unbiased	98.755	98.755	-0.0006
43	100	Biased	98.751	98.749	-0.002
44	100	Biased	98.761	98.76	-0.0012
45	100	Biased	98.75	98.749	-0.001
46	100	Biased	98.76	98.76	-0.0001
47	100	Biased	98.745	98.744	-0.0014
48	100	Unbiased	98.759	98.756	-0.0025
49	100	Unbiased	98.758	98.757	-0.0013
50	100	Unbiased	98.753	98.751	-0.0028
51	100	Unbiased	98.743	98.741	-0.0017
52	100	Unbiased	98.749	98.748	-0.001
53	0	Correlation	98.756	98.76	0.0037
54	0	Correlation	98.753	98.755	0.0024
55	0	Correlation	98.755	98.757	0.0025
56	0	Correlation	98.745	98.749	0.0038

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	98.745	98.752	98.756	0.0048291	98.749	98.755	98.76	0.0045993	0.0024	0.0031	0.0038	0.00075277
3	98.755	98.764	98.77	0.0042461	98.754	98.762	98.766	0.0037827	-0.0041	-0.00207	-0.0006	0.0010781
10	98.755	98.757	98.761	0.0021798	98.754	98.757	98.76	0.0021297	-0.0011	-0.00022	0.0021	0.0010163
30	98.745	98.756	98.764	0.0053517	98.745	98.756	98.763	0.0052784	-0.0014	-0.00032	0.0016	0.00088167
50	98.749	98.756	98.762	0.0044297	98.747	98.755	98.763	0.004825	-0.0025	-0.0009	0.0006	0.001187
100	98.743	98.753	98.761	0.0063706	98.741	98.751	98.76	0.0065126	-0.0028	-0.0015	-0.0001	0.0007874

Device Test: 6.108; VOH_RESET_10MA





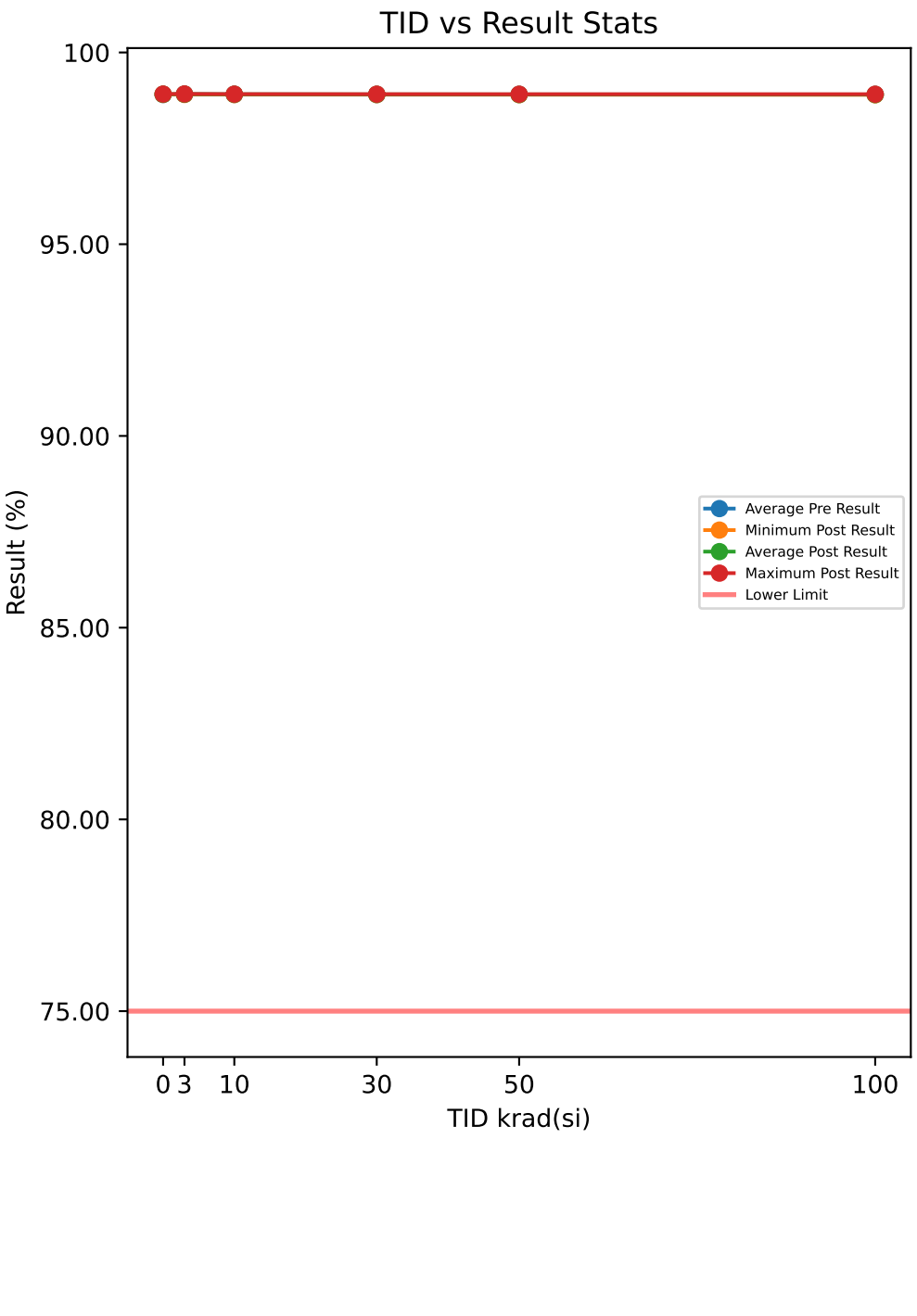
Test Results (Lower Limit = 75.0 (%))

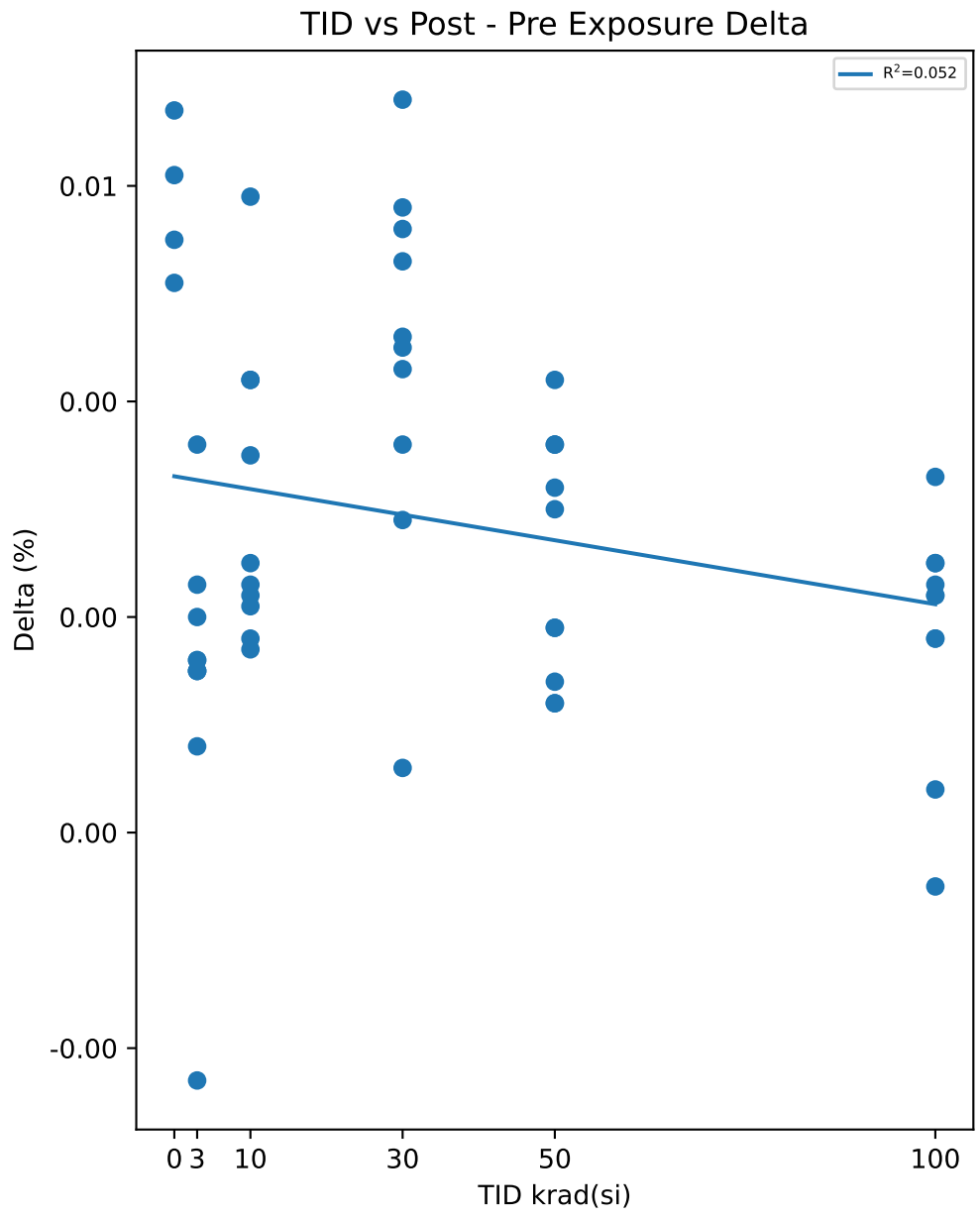
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	98.897	98.897	-0.0002
3	3	Biased	98.891	98.892	0.0012
4	3	Biased	98.903	98.904	0.0013
5	3	Biased	98.887	98.889	0.0023
6	3	Biased	98.903	98.904	0.0013
7	3	Unbiased	98.898	98.899	0.0009
8	3	Unbiased	98.892	98.894	0.0023
9	3	Unbiased	98.892	98.894	0.0017
10	3	Unbiased	98.894	98.897	0.0033
11	3	Unbiased	98.892	98.895	0.0021
12	10	Unbiased	98.883	98.888	0.0042
13	10	Unbiased	98.884	98.885	0.0006
14	10	Unbiased	98.884	98.889	0.0046
15	10	Unbiased	98.885	98.889	0.0035
16	10	Unbiased	98.892	98.894	0.0013
17	10	Biased	98.892	98.894	0.0021
18	10	Biased	98.888	98.893	0.0043
19	10	Biased	98.895	98.9	0.0051
20	10	Biased	98.892	98.897	0.0057
21	10	Biased	98.886	98.891	0.0045
22	30	Biased	98.882	98.887	0.0053
23	30	Biased	98.878	98.883	0.0054
24	30	Biased	98.882	98.886	0.0035
25	30	Biased	98.891	98.897	0.0053
26	30	Biased	98.888	98.892	0.0041
27	30	Unbiased	98.885	98.888	0.0038
28	30	Unbiased	98.886	98.886	0.0001
29	30	Unbiased	98.891	98.895	0.0045
30	30	Unbiased	98.885	98.89	0.0045
31	30	Unbiased	98.889	98.892	0.0032
32	50	Biased	98.889	98.89	0.0011
33	50	Biased	98.888	98.889	0.001
34	50	Biased	98.881	98.883	0.0016
35	50	Biased	98.89	98.888	-0.0013
36	50	Biased	98.881	98.884	0.0031
37	50	Unbiased	98.889	98.893	0.0041
39	50	Unbiased	98.888	98.89	0.002
40	50	Unbiased	98.891	98.895	0.0038
41	50	Unbiased	98.88	98.883	0.003
42	50	Unbiased	98.884	98.888	0.0031
43	100	Biased	98.887	98.889	0.002
44	100	Biased	98.886	98.888	0.0018
45	100	Biased	98.88	98.883	0.0026
46	100	Biased	98.889	98.892	0.0032
47	100	Biased	98.881	98.883	0.0025
48	100	Unbiased	98.89	98.889	-0.001
49	100	Unbiased	98.891	98.893	0.002
50	100	Unbiased	98.889	98.889	-0.0006
51	100	Unbiased	98.877	98.879	0.0021
52	100	Unbiased	98.881	98.883	0.0017
53	0	Correlation	98.887	98.893	0.006
54	0	Correlation	98.886	98.89	0.0044
55	0	Correlation	98.891	98.895	0.004
56	0	Correlation	98.885	98.89	0.0051

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	98.885	98.887	98.891	0.00263	98.89	98.892	98.895	0.0023171	0.004	0.004875	0.006	0.00087702
3	98.887	98.895	98.903	0.0052505	98.889	98.897	98.904	0.0049	-0.0002	0.00162	0.0033	0.00095429
10	98.883	98.888	98.895	0.0041521	98.885	98.892	98.9	0.0046122	0.0006	0.00359	0.0057	0.0016954
30	98.878	98.886	98.891	0.0041545	98.883	98.89	98.897	0.0042597	0.0001	0.00397	0.0054	0.0015628
50	98.88	98.886	98.891	0.0040844	98.883	98.888	98.895	0.0040517	-0.0013	0.00215	0.0041	0.0016229
100	98.877	98.885	98.891	0.0050629	98.879	98.887	98.893	0.0046564	-0.001	0.00163	0.0032	0.0013573

Device Test: 6.109; VOH_RESET_10MA





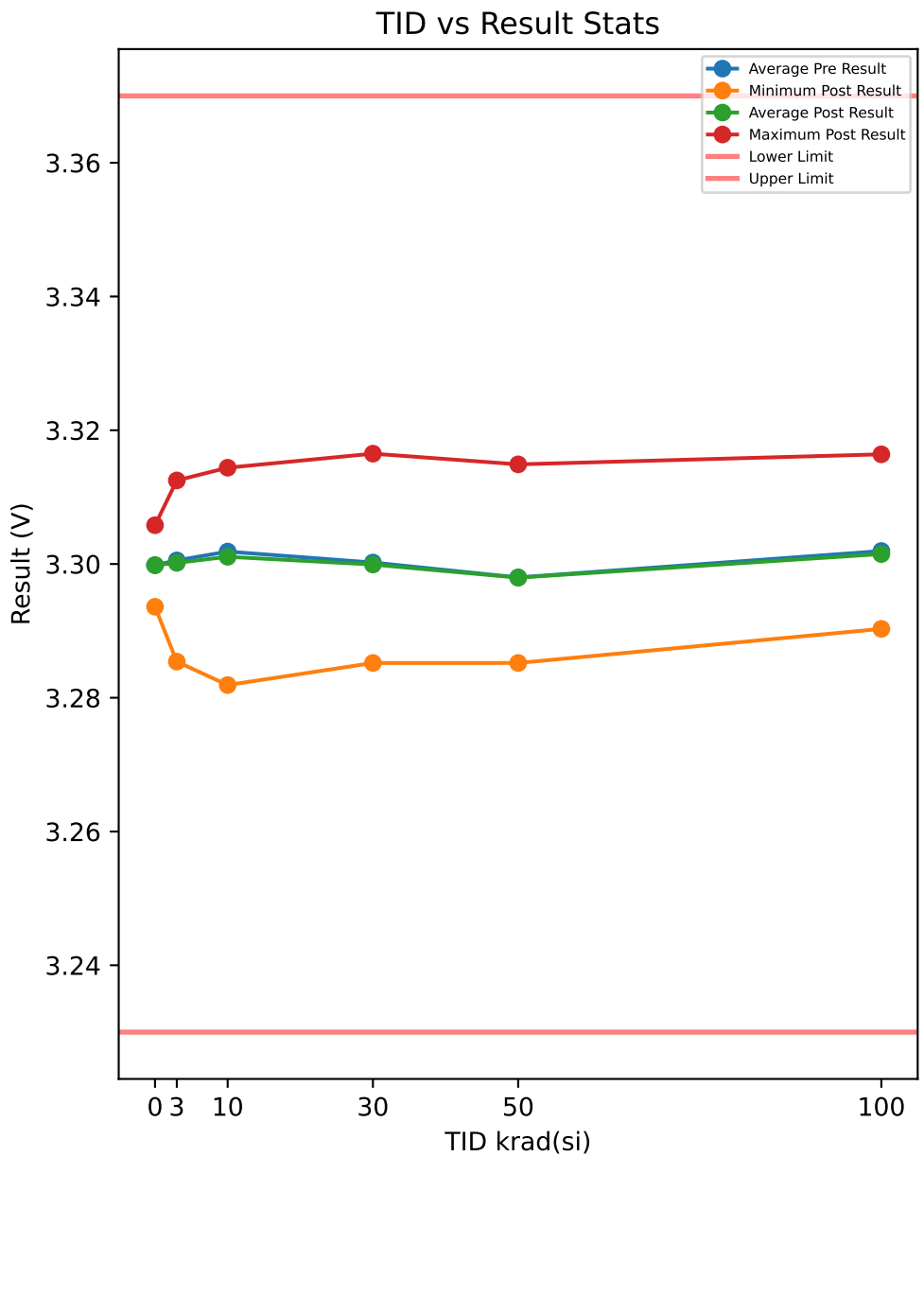
Test Results (Lower Limit = 75.0 (%))

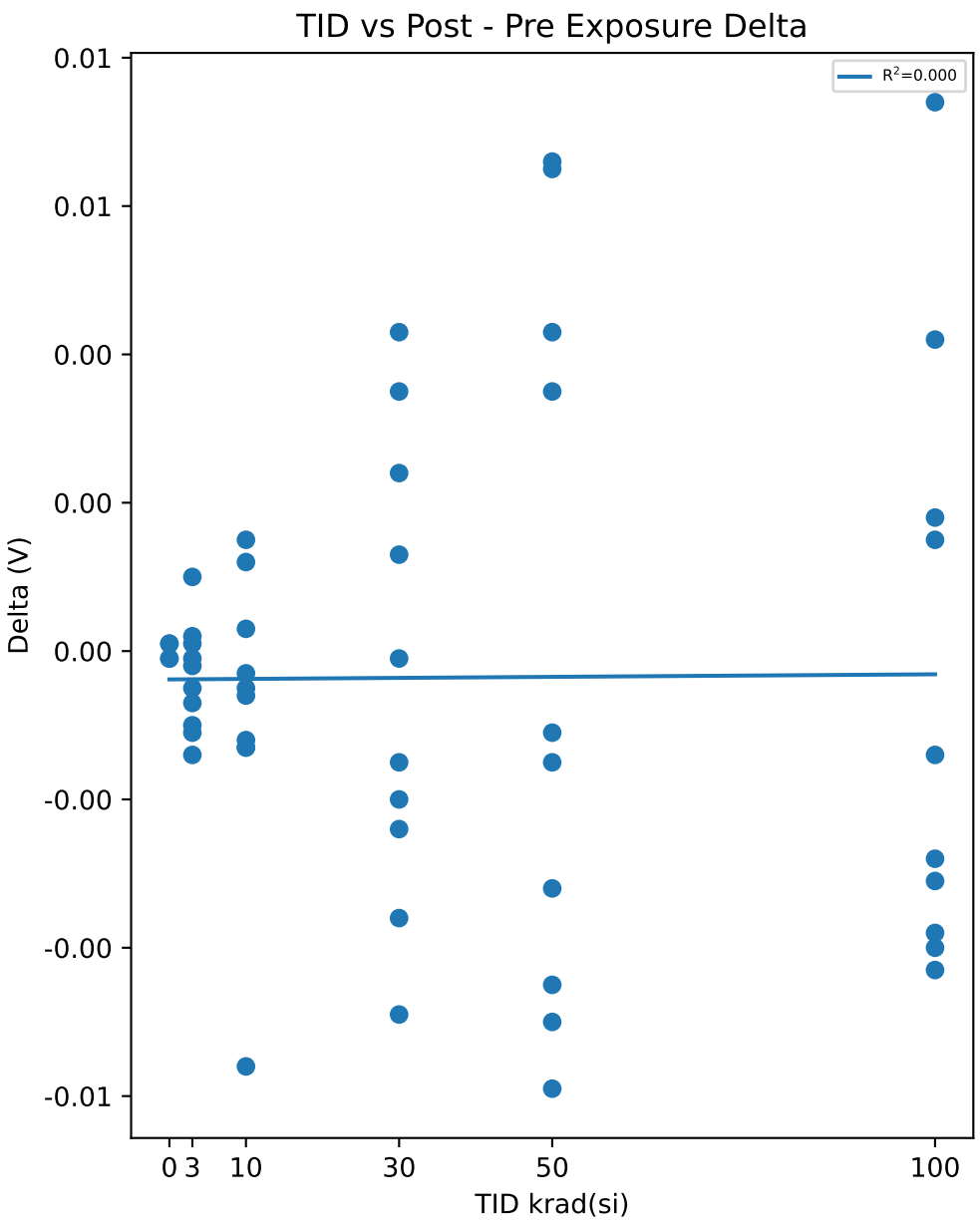
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	98.916	98.914	-0.0023
3	3	Biased	98.903	98.905	0.0015
4	3	Biased	98.917	98.919	0.0015
5	3	Biased	98.909	98.91	0.0015
6	3	Biased	98.914	98.916	0.0016
7	3	Unbiased	98.911	98.912	0.0008
8	3	Unbiased	98.91	98.912	0.0023
9	3	Unbiased	98.912	98.913	0.0016
10	3	Unbiased	98.908	98.912	0.0036
11	3	Unbiased	98.907	98.909	0.002
12	10	Unbiased	98.902	98.904	0.0018
13	10	Unbiased	98.9	98.902	0.0022
14	10	Unbiased	98.903	98.905	0.0023
15	10	Unbiased	98.905	98.907	0.0021
16	10	Unbiased	98.912	98.914	0.0017
17	10	Biased	98.907	98.91	0.0025
18	10	Biased	98.905	98.908	0.0035
19	10	Biased	98.91	98.914	0.0042
20	10	Biased	98.904	98.91	0.0059
21	10	Biased	98.907	98.911	0.0042
22	30	Biased	98.905	98.91	0.0058
23	30	Biased	98.894	98.901	0.0068
24	30	Biased	98.9	98.904	0.0043
25	30	Biased	98.907	98.913	0.0056
26	30	Biased	98.906	98.91	0.0046
27	30	Unbiased	98.9	98.904	0.0045
28	30	Unbiased	98.901	98.901	0.0006
29	30	Unbiased	98.907	98.913	0.0053
30	30	Unbiased	98.903	98.906	0.0036
31	30	Unbiased	98.902	98.905	0.0029
32	50	Biased	98.905	98.906	0.0012
33	50	Biased	98.903	98.905	0.0019
34	50	Biased	98.896	98.9	0.0036
35	50	Biased	98.905	98.906	0.0012
36	50	Biased	98.897	98.9	0.0032
37	50	Unbiased	98.903	98.905	0.0019
39	50	Unbiased	98.908	98.912	0.0036
40	50	Unbiased	98.905	98.909	0.0042
41	50	Unbiased	98.9	98.903	0.003
42	50	Unbiased	98.905	98.907	0.0014
43	100	Biased	98.903	98.905	0.0025
44	100	Biased	98.905	98.907	0.0025
45	100	Biased	98.898	98.9	0.0023
46	100	Biased	98.909	98.912	0.0033
47	100	Biased	98.898	98.9	0.0022
48	100	Unbiased	98.903	98.903	-0.0005
49	100	Unbiased	98.91	98.912	0.0018
50	100	Unbiased	98.902	98.903	0.0004
51	100	Unbiased	98.894	98.896	0.0018
52	100	Unbiased	98.899	98.901	0.0022
53	0	Correlation	98.909	98.915	0.0061
54	0	Correlation	98.903	98.908	0.0055
55	0	Correlation	98.903	98.909	0.0051
56	0	Correlation	98.9	98.906	0.0067

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	98.9	98.904	98.909	0.0039382	98.906	98.91	98.915	0.0038845	0.0051	0.00585	0.0067	0.0007
3	98.903	98.911	98.917	0.0042382	98.905	98.912	98.919	0.0037456	-0.0023	0.00141	0.0036	0.001497
10	98.9	98.905	98.912	0.0036885	98.902	98.908	98.914	0.0040545	0.0017	0.00304	0.0059	0.001368
30	98.894	98.902	98.907	0.0040192	98.901	98.907	98.913	0.0043986	0.0006	0.0044	0.0068	0.0017436
50	98.896	98.903	98.908	0.0039876	98.9	98.905	98.912	0.0038223	0.0012	0.00252	0.0042	0.0011233
100	98.894	98.902	98.91	0.0048755	98.896	98.904	98.912	0.005094	-0.0005	0.00185	0.0033	0.0011068

Device Test: 6.11; VLDO_REG





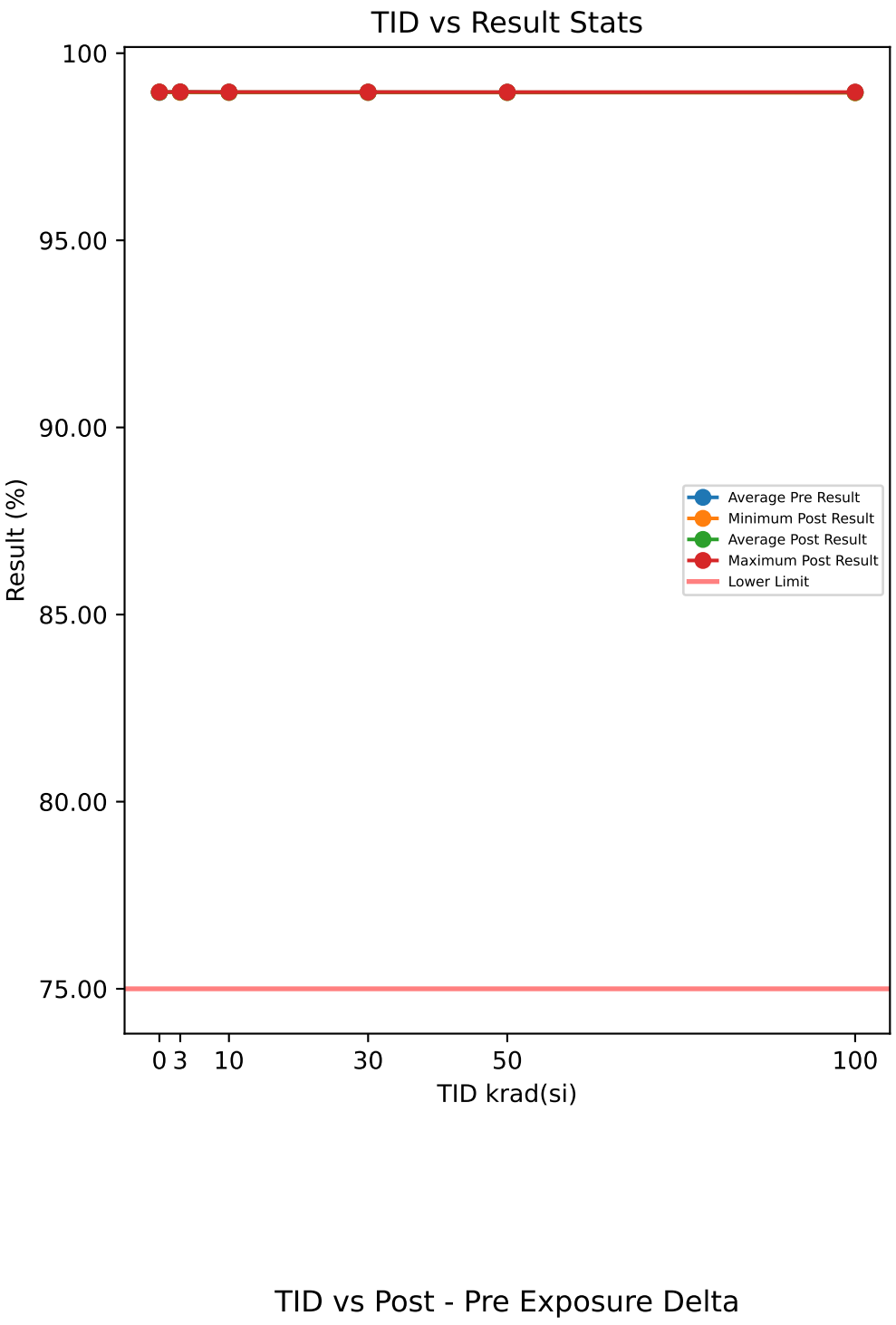
Test Results (Lower Limit = 3.23, Upper Limit = 3.37 (V))

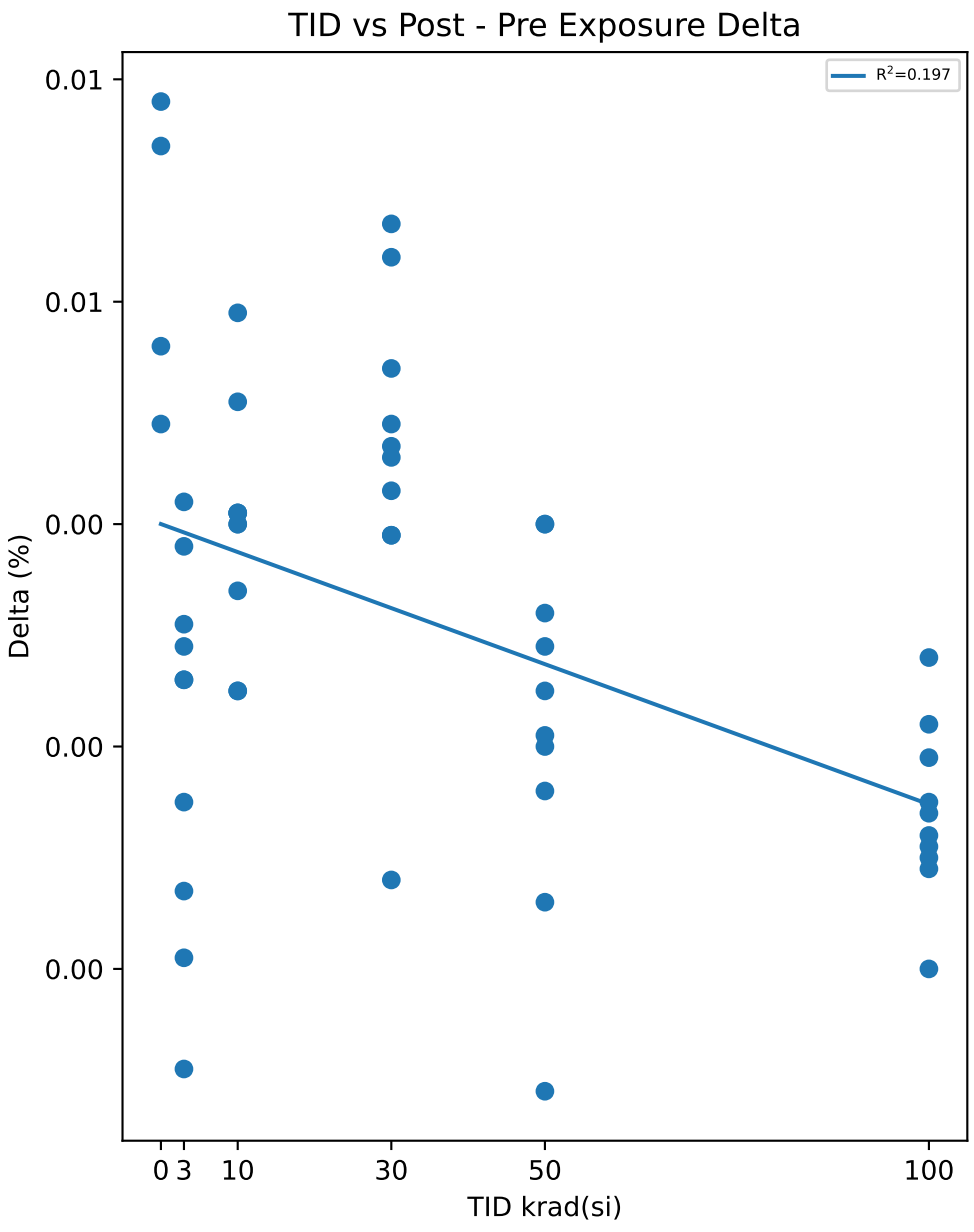
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	3.3087	3.3076	-0.0011
3	3	Biased	3.3016	3.3006	-0.001
4	3	Biased	3.3132	3.3118	-0.0014
5	3	Biased	3.3018	3.3019	0.0001
6	3	Biased	3.3038	3.3048	0.001
7	3	Unbiased	3.295	3.2952	0.0002
8	3	Unbiased	3.2859	3.2854	-0.0005
9	3	Unbiased	3.2876	3.2869	-0.0007
10	3	Unbiased	3.2952	3.295	-0.0002
11	3	Unbiased	3.3126	3.3125	-0.0001
12	10	Unbiased	3.3015	3.3003	-0.0012
13	10	Unbiased	3.3099	3.3086	-0.0013
14	10	Unbiased	3.3034	3.3028	-0.0006
15	10	Unbiased	3.2999	3.2986	-0.0013
16	10	Unbiased	3.3021	3.3033	0.0012
17	10	Biased	3.3088	3.3032	-0.0056
18	10	Biased	3.2991	3.2986	-0.0005
19	10	Biased	3.2804	3.2819	0.0015
20	10	Biased	3.2988	3.2991	0.0003
21	10	Biased	3.3147	3.3144	-0.0003
22	30	Biased	3.3013	3.2993	-0.002
23	30	Biased	3.2868	3.2867	-0.0001
24	30	Biased	3.3149	3.31	-0.0049
25	30	Biased	3.2809	3.2852	0.0043
26	30	Biased	3.3008	3.3032	0.0024
27	30	Unbiased	3.3041	3.3005	-0.0036
28	30	Unbiased	3.2936	3.2921	-0.0015
29	30	Unbiased	3.313	3.3165	0.0035
30	30	Unbiased	3.3122	3.3098	-0.0024
31	30	Unbiased	3.2946	3.2959	0.0013
32	50	Biased	3.302	3.2988	-0.0032
33	50	Biased	3.2902	3.2852	-0.005
34	50	Biased	3.3038	3.3023	-0.0015
35	50	Biased	3.3084	3.3149	0.0065
36	50	Biased	3.3023	3.3012	-0.0011
37	50	Unbiased	3.2952	3.2893	-0.0059
39	50	Unbiased	3.2841	3.2876	0.0035
40	50	Unbiased	3.295	3.3016	0.0066
41	50	Unbiased	3.3103	3.3058	-0.0045
42	50	Unbiased	3.2886	3.2929	0.0043
43	100	Biased	3.289	3.2964	0.0074
44	100	Biased	3.305	3.3007	-0.0043
45	100	Biased	3.2885	3.2903	0.0018
46	100	Biased	3.3005	3.2974	-0.0031
47	100	Biased	3.3009	3.2995	-0.0014
48	100	Unbiased	3.3052	3.3024	-0.0028
49	100	Unbiased	3.3066	3.3108	0.0042
50	100	Unbiased	3.3003	3.3018	0.0015
51	100	Unbiased	3.3204	3.3164	-0.004
52	100	Unbiased	3.303	3.2992	-0.0038
53	0	Correlation	3.3057	3.3058	0.0001
54	0	Correlation	3.2968	3.2969	0.0001
55	0	Correlation	3.3031	3.303	-0.0001
56	0	Correlation	3.2937	3.2936	-0.0001

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	3.2937	3.2998	3.3057	0.005535	3.2936	3.2998	3.3058	0.0055704	-0.0001	0	0.0001	0.00011547
3	3.2859	3.3005	3.3132	0.0095837	3.2854	3.3002	3.3125	0.0095031	-0.0014	-0.00037	0.001	0.0007181
10	3.2804	3.3019	3.3147	0.0091989	3.2819	3.3011	3.3144	0.0083736	-0.0056	-0.00078	0.0015	0.00196
30	3.2809	3.3002	3.3149	0.01139	3.2852	3.2999	3.3165	0.010298	-0.0049	-0.0003	0.0043	0.0030962
50	3.2841	3.298	3.3103	0.0087358	3.2852	3.298	3.3149	0.0092043	-0.0059	-3e-05	0.0066	0.0048339
100	3.2885	3.3019	3.3204	0.0090525	3.2903	3.3015	3.3164	0.0073605	-0.0043	-0.00045	0.0074	0.0040028

Device Test: 6.110; VOH_RESET_10MA





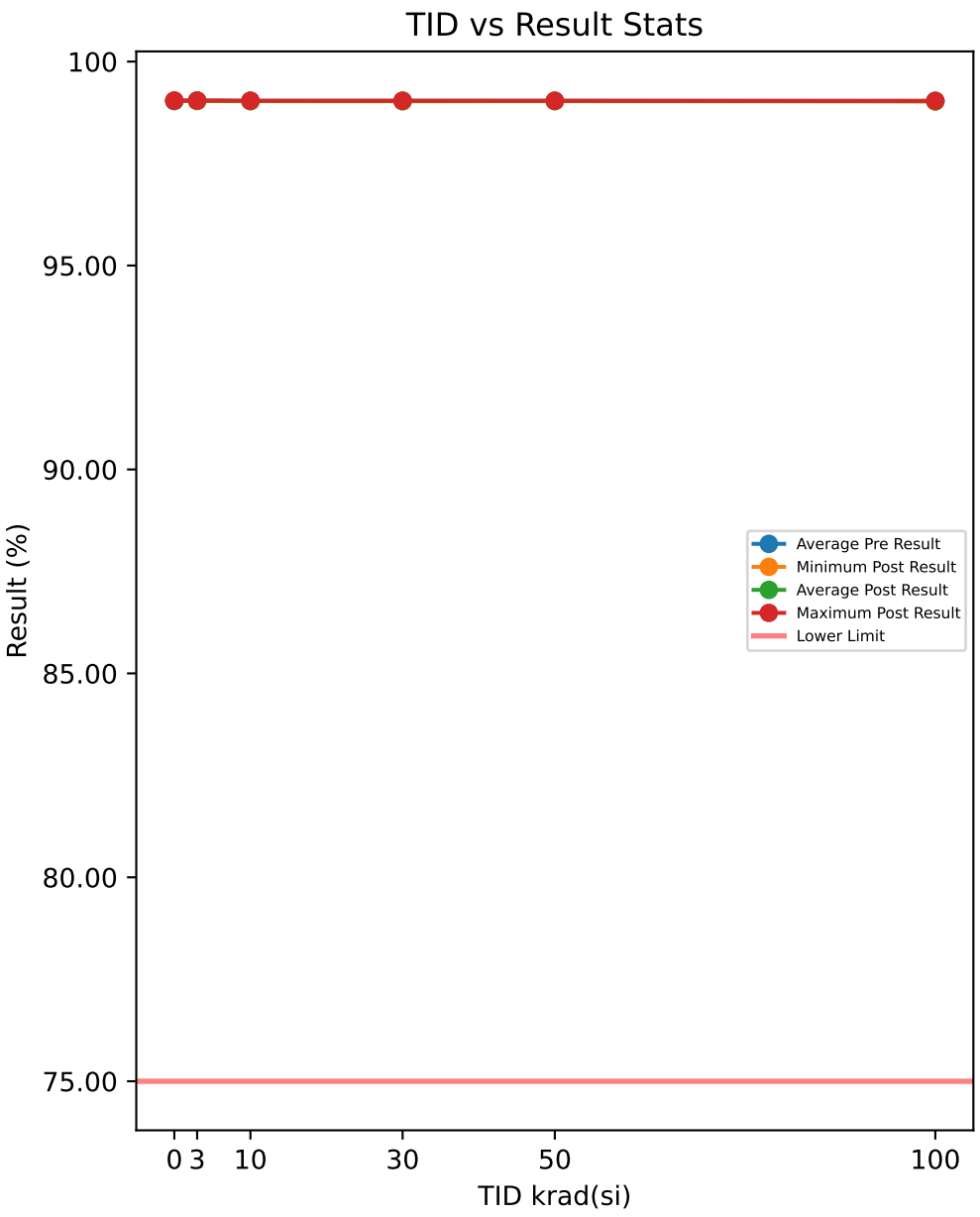
Test Results (Lower Limit = 75.0 (%))

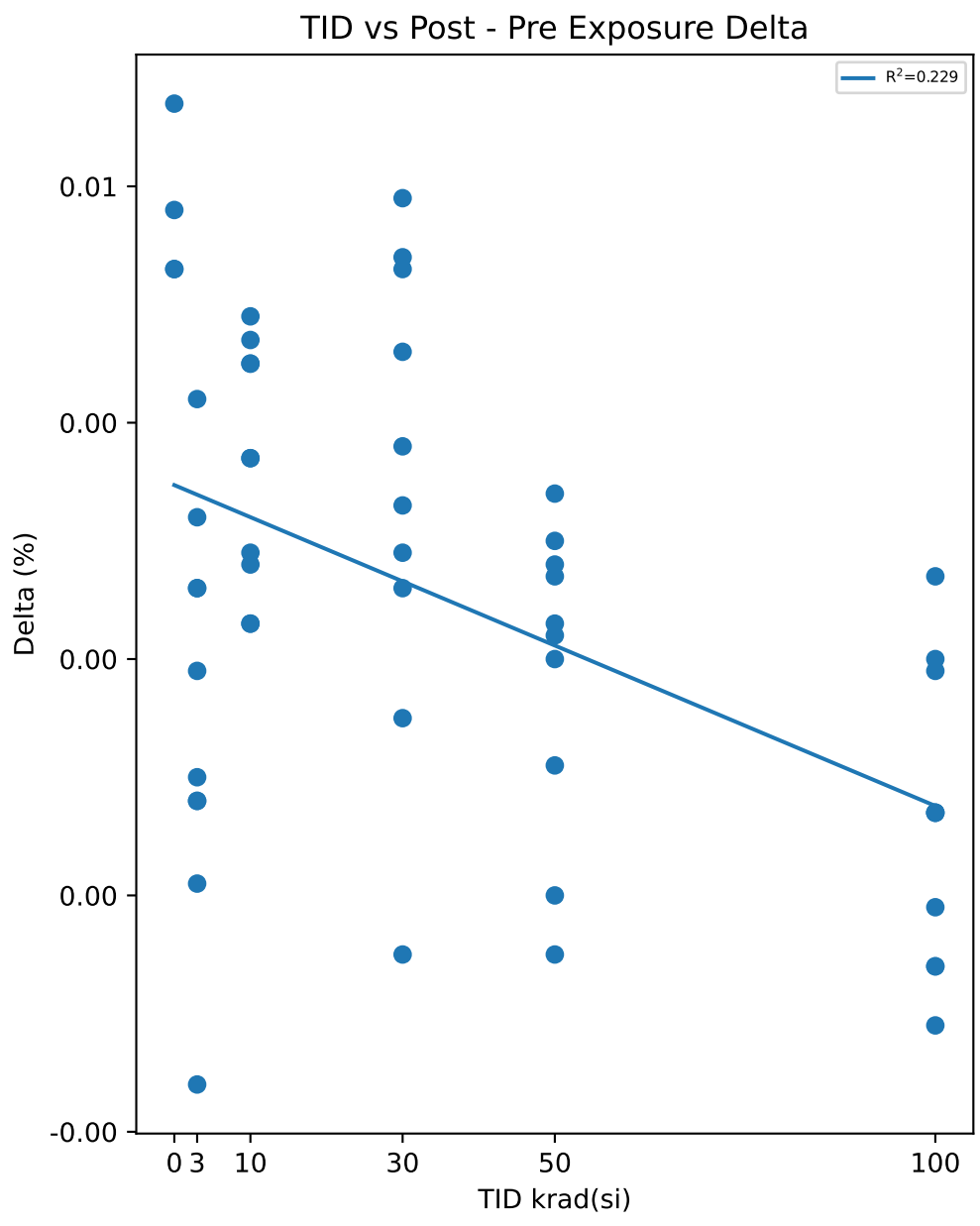
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	98.964	98.963	-0.0009
3	3	Biased	98.952	98.952	0.0001
4	3	Biased	98.965	98.967	0.0015
5	3	Biased	98.96	98.963	0.0029
6	3	Biased	98.963	98.964	0.0007
7	3	Unbiased	98.959	98.961	0.0026
8	3	Unbiased	98.959	98.962	0.0031
9	3	Unbiased	98.96	98.964	0.0038
10	3	Unbiased	98.96	98.962	0.0026
11	3	Unbiased	98.956	98.96	0.0042
12	10	Unbiased	98.951	98.954	0.0025
13	10	Unbiased	98.947	98.95	0.0034
14	10	Unbiased	98.948	98.952	0.0041
15	10	Unbiased	98.955	98.959	0.004
16	10	Unbiased	98.957	98.959	0.0025
17	10	Biased	98.959	98.963	0.004
18	10	Biased	98.951	98.956	0.0059
19	10	Biased	98.957	98.962	0.0041
20	10	Biased	98.951	98.957	0.0051
21	10	Biased	98.953	98.957	0.0041
22	30	Biased	98.958	98.962	0.0039
23	30	Biased	98.944	98.95	0.0067
24	30	Biased	98.951	98.956	0.0049
25	30	Biased	98.958	98.962	0.0043
26	30	Biased	98.957	98.962	0.0047
27	30	Unbiased	98.948	98.952	0.0039
28	30	Unbiased	98.953	98.954	0.0008
29	30	Unbiased	98.953	98.959	0.0064
30	30	Unbiased	98.953	98.958	0.0054
31	30	Unbiased	98.948	98.952	0.0046
32	50	Biased	98.955	98.956	0.0006
33	50	Biased	98.954	98.956	0.0021
34	50	Biased	98.947	98.949	0.0016
35	50	Biased	98.95	98.949	-0.0011
36	50	Biased	98.945	98.949	0.004
37	50	Unbiased	98.957	98.96	0.0032
39	50	Unbiased	98.955	98.959	0.004
40	50	Unbiased	98.956	98.959	0.0025
41	50	Unbiased	98.949	98.952	0.0029
42	50	Unbiased	98.953	98.955	0.002
43	100	Biased	98.948	98.95	0.0015
44	100	Biased	98.957	98.957	0
45	100	Biased	98.946	98.947	0.0012
46	100	Biased	98.953	98.956	0.0028
47	100	Biased	98.943	98.945	0.0014
48	100	Unbiased	98.95	98.951	0.0009
49	100	Unbiased	98.959	98.961	0.0022
50	100	Unbiased	98.952	98.953	0.0011
51	100	Unbiased	98.94	98.941	0.001
52	100	Unbiased	98.946	98.948	0.0019
53	0	Correlation	98.956	98.964	0.0074
54	0	Correlation	98.95	98.956	0.0056
55	0	Correlation	98.954	98.959	0.0049
56	0	Correlation	98.947	98.955	0.0078

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	98.947	98.952	98.956	0.0041572	98.955	98.958	98.964	0.0040837	0.0049	0.006425	0.0078	0.0013961
3	98.952	98.96	98.965	0.0039697	98.952	98.962	98.967	0.003937	-0.0009	0.00206	0.0042	0.0016581
10	98.947	98.953	98.959	0.0040596	98.95	98.957	98.963	0.0040435	0.0025	0.00397	0.0059	0.0010382
30	98.944	98.952	98.958	0.0047042	98.95	98.957	98.962	0.0044428	0.0008	0.00456	0.0067	0.001629
50	98.945	98.952	98.957	0.0040632	98.949	98.954	98.96	0.0043879	-0.0011	0.00218	0.004	0.0015605
100	98.94	98.949	98.959	0.0059224	98.941	98.951	98.961	0.006035	0	0.0014	0.0028	0.00077172

Device Test: 6.111; VOH_RESET_10MA





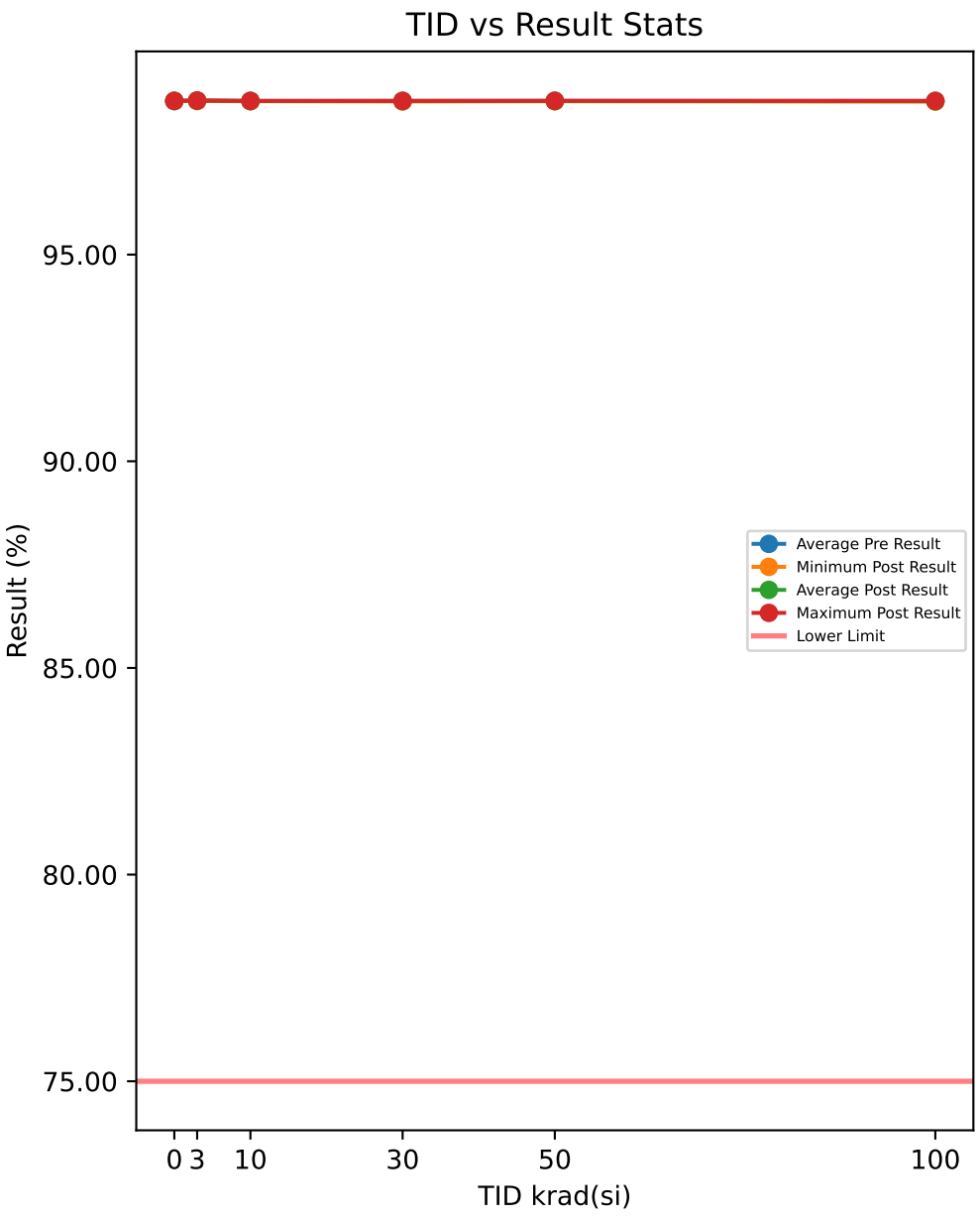
Test Results (Lower Limit = 75.0 (%))

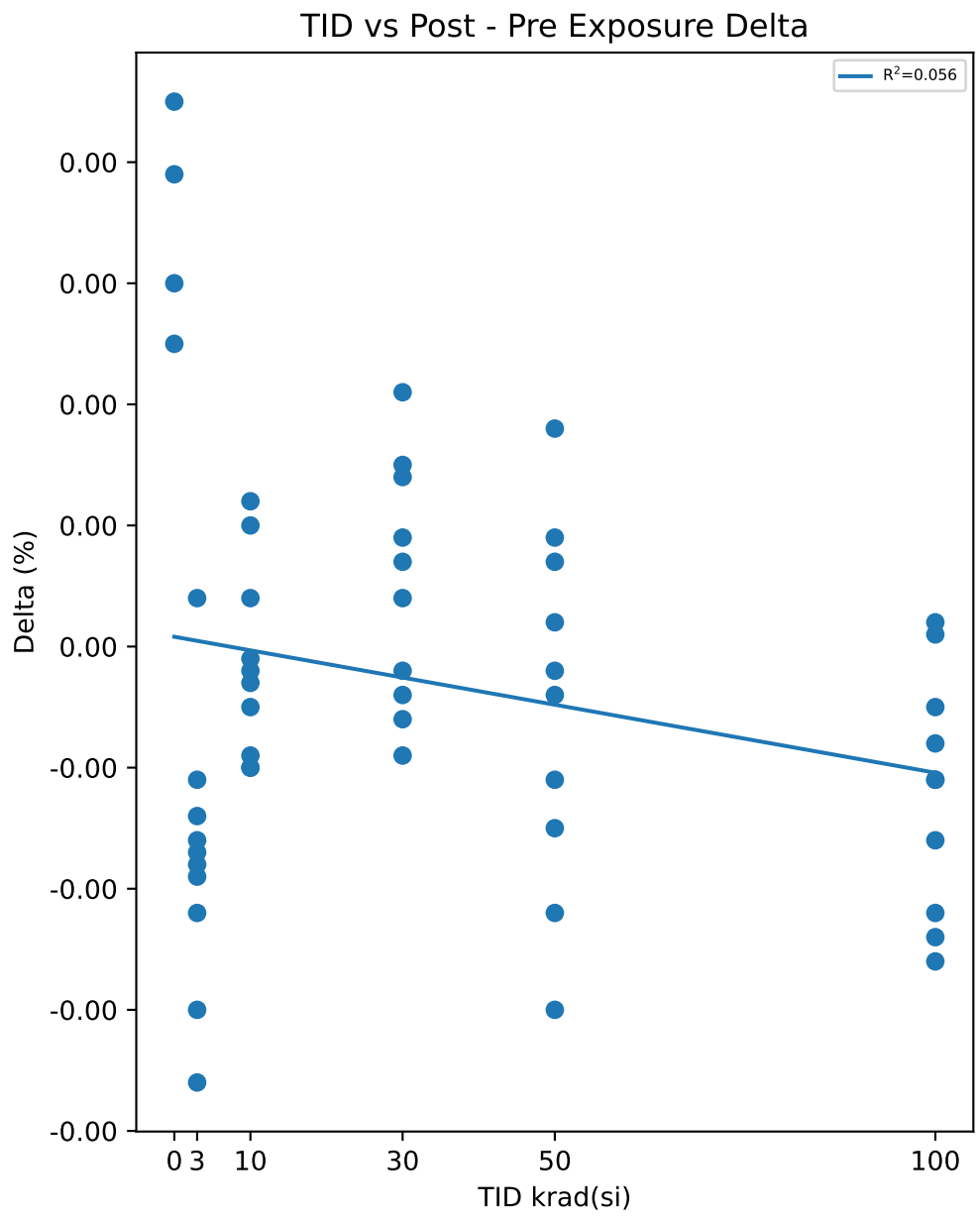
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	99.047	99.046	-0.0016
3	3	Biased	99.031	99.031	0.0008
4	3	Biased	99.046	99.047	0.001
5	3	Biased	99.036	99.04	0.0042
6	3	Biased	99.04	99.041	0.0008
7	3	Unbiased	99.036	99.036	0.0001
8	3	Unbiased	99.036	99.038	0.0019
9	3	Unbiased	99.036	99.039	0.0026
10	3	Unbiased	99.037	99.039	0.0026
11	3	Unbiased	99.038	99.042	0.0032
12	10	Unbiased	99.031	99.034	0.0037
13	10	Unbiased	99.026	99.029	0.0029
14	10	Unbiased	99.029	99.034	0.0045
15	10	Unbiased	99.035	99.039	0.0037
16	10	Unbiased	99.033	99.035	0.0023
17	10	Biased	99.037	99.039	0.0023
18	10	Biased	99.03	99.035	0.0049
19	10	Biased	99.037	99.04	0.0028
20	10	Biased	99.03	99.034	0.0047
21	10	Biased	99.031	99.035	0.0045
22	30	Biased	99.036	99.04	0.0046
23	30	Biased	99.021	99.027	0.0059
24	30	Biased	99.03	99.034	0.0033
25	30	Biased	99.036	99.042	0.0053
26	30	Biased	99.036	99.038	0.0026
27	30	Unbiased	99.031	99.033	0.0015
28	30	Unbiased	99.034	99.034	-0.0005
29	30	Unbiased	99.034	99.039	0.0054
30	30	Unbiased	99.032	99.036	0.0038
31	30	Unbiased	99.026	99.029	0.0029
32	50	Biased	99.037	99.038	0.0011
33	50	Biased	99.034	99.036	0.002
34	50	Biased	99.03	99.03	0
35	50	Biased	99.032	99.031	-0.0005
36	50	Biased	99.029	99.032	0.003
37	50	Unbiased	99.034	99.037	0.0034
39	50	Unbiased	99.038	99.04	0.0022
40	50	Unbiased	99.035	99.038	0.0028
41	50	Unbiased	99.031	99.034	0.0023
42	50	Unbiased	99.034	99.036	0.0027
43	100	Biased	99.028	99.028	-0.0006
44	100	Biased	99.032	99.032	0.0007
45	100	Biased	99.027	99.027	0.0007
46	100	Biased	99.036	99.039	0.0027
47	100	Biased	99.024	99.025	0.0007
48	100	Unbiased	99.035	99.035	-0.0006
49	100	Unbiased	99.033	99.035	0.0019
50	100	Unbiased	99.031	99.03	-0.0011
51	100	Unbiased	99.02	99.022	0.002
52	100	Unbiased	99.03	99.029	-0.0001
53	0	Correlation	99.039	99.044	0.0053
54	0	Correlation	99.029	99.035	0.0058
55	0	Correlation	99.032	99.037	0.0053
56	0	Correlation	99.028	99.035	0.0067

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	99.028	99.032	99.039	0.004791	99.035	99.038	99.044	0.0043439	0.0053	0.005775	0.0067	0.00066018
3	99.031	99.038	99.047	0.0049817	99.031	99.04	99.047	0.004489	-0.0016	0.00156	0.0042	0.001684
10	99.026	99.032	99.037	0.003515	99.029	99.035	99.04	0.0031242	0.0023	0.00363	0.0049	0.0010023
30	99.021	99.032	99.036	0.00481	99.027	99.035	99.042	0.0048141	-0.0005	0.00348	0.0059	0.0019753
50	99.029	99.033	99.038	0.0028346	99.03	99.035	99.04	0.0033396	-0.0005	0.0019	0.0034	0.0012987
100	99.02	99.03	99.036	0.0050551	99.022	99.03	99.039	0.0050888	-0.0011	0.00063	0.0027	0.0012623

Device Test: 6.112; VOH_WDO_10MA





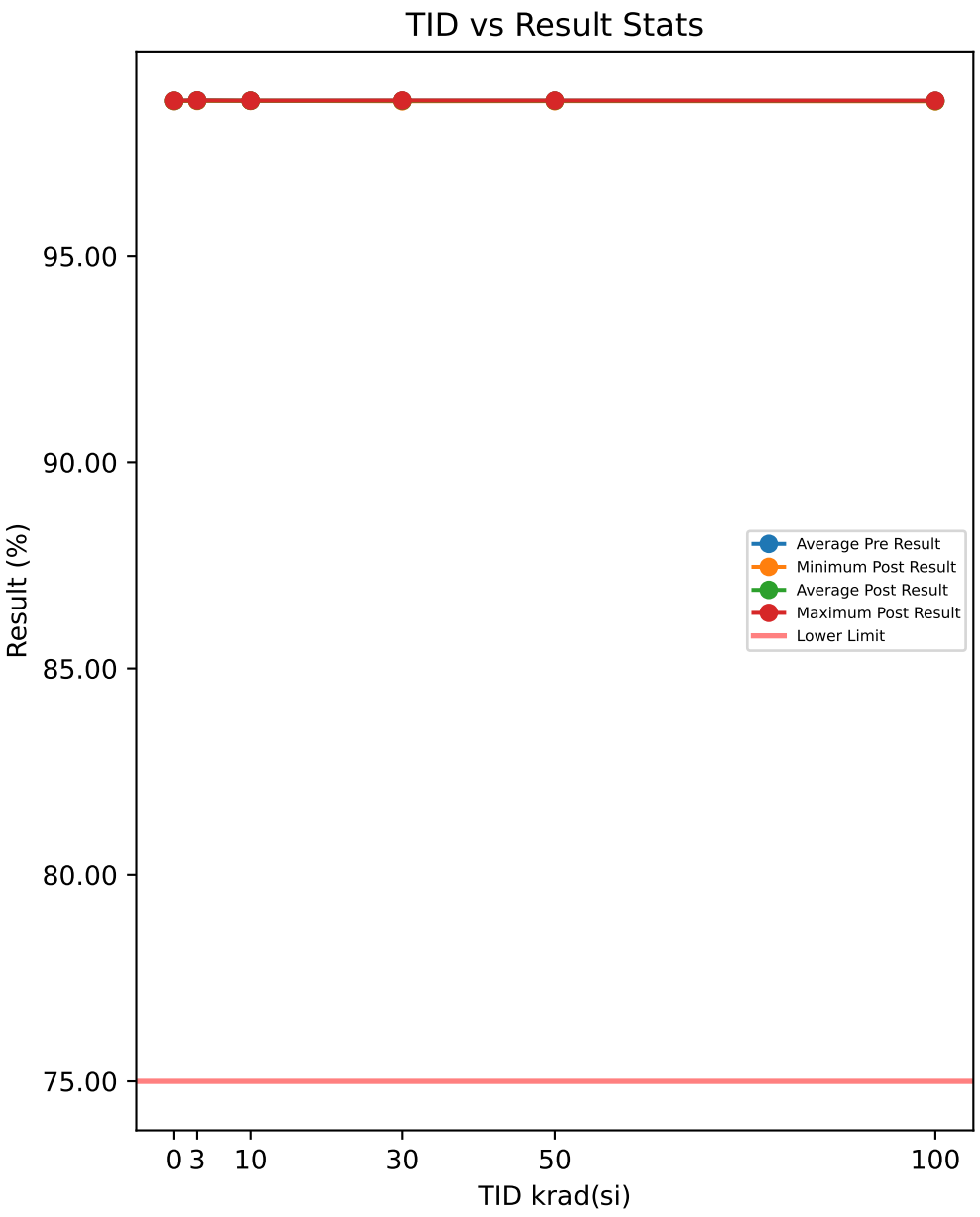
Test Results (Lower Limit = 75.0 (%))

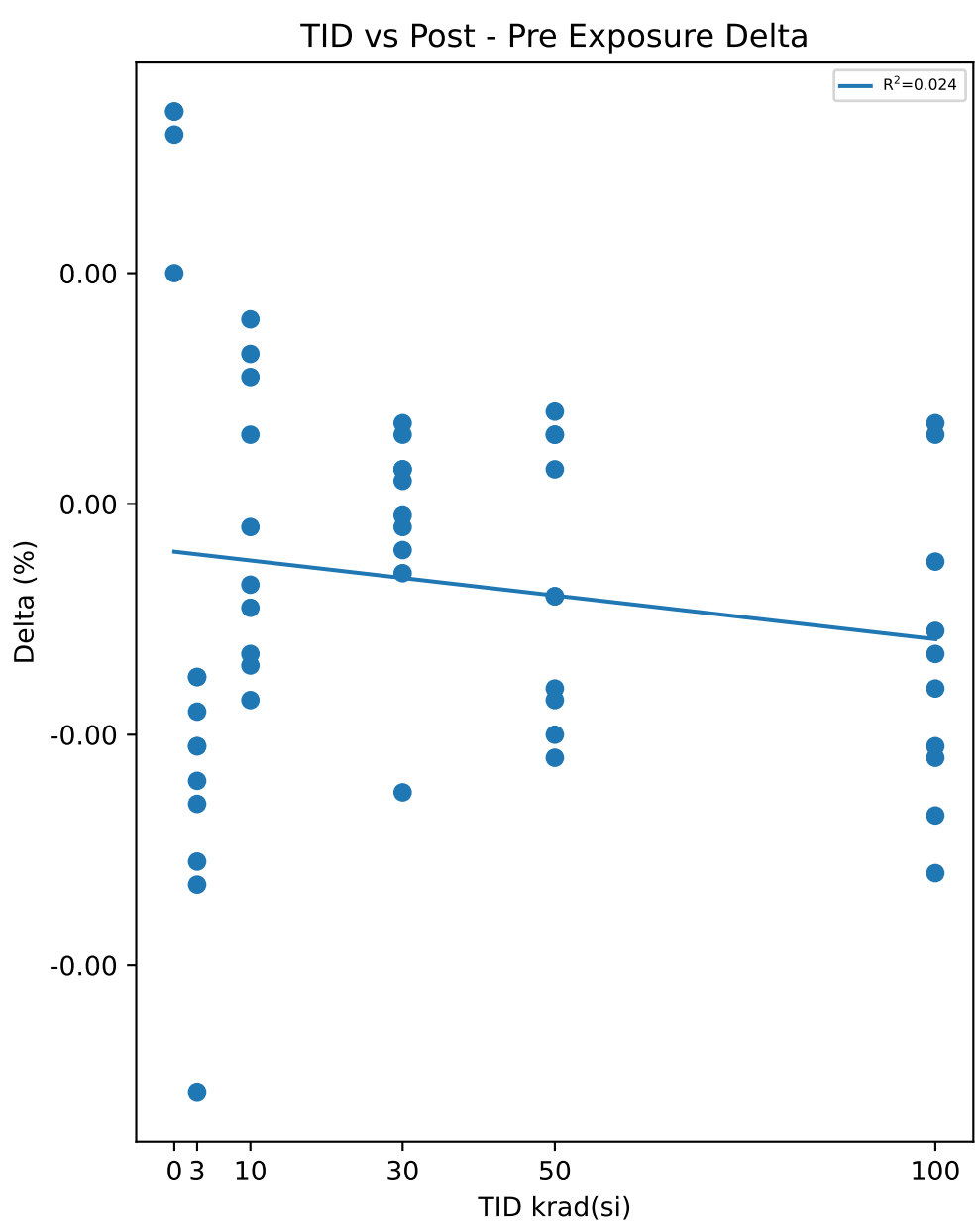
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	98.733	98.729	-0.0036
3	3	Biased	98.717	98.714	-0.003
4	3	Biased	98.727	98.725	-0.0019
5	3	Biased	98.724	98.722	-0.0016
6	3	Biased	98.729	98.727	-0.0022
7	3	Unbiased	98.725	98.723	-0.0018
8	3	Unbiased	98.724	98.722	-0.0017
9	3	Unbiased	98.727	98.726	-0.0014
10	3	Unbiased	98.722	98.721	-0.0011
11	3	Unbiased	98.723	98.723	0.0004
12	10	Unbiased	98.716	98.715	-0.0003
13	10	Unbiased	98.713	98.712	-0.001
14	10	Unbiased	98.716	98.715	-0.001
15	10	Unbiased	98.719	98.718	-0.0009
16	10	Unbiased	98.713	98.712	-0.0005
17	10	Biased	98.719	98.719	0.0004
18	10	Biased	98.716	98.717	0.0012
19	10	Biased	98.715	98.714	-0.0001
20	10	Biased	98.715	98.715	-0.0002
21	10	Biased	98.717	98.718	0.001
22	30	Biased	98.718	98.718	-0.0002
23	30	Biased	98.716	98.715	-0.0006
24	30	Biased	98.714	98.715	0.0004
25	30	Biased	98.721	98.72	-0.0004
26	30	Biased	98.717	98.718	0.0009
27	30	Unbiased	98.715	98.716	0.0007
28	30	Unbiased	98.717	98.716	-0.0009
29	30	Unbiased	98.715	98.717	0.0021
30	30	Unbiased	98.715	98.716	0.0014
31	30	Unbiased	98.703	98.704	0.0015
32	50	Biased	98.716	98.714	-0.0022
33	50	Biased	98.724	98.723	-0.0015
34	50	Biased	98.711	98.71	-0.0011
35	50	Biased	98.714	98.711	-0.003
36	50	Biased	98.712	98.712	0.0002
37	50	Unbiased	98.717	98.717	-0.0002
39	50	Unbiased	98.719	98.72	0.0009
40	50	Unbiased	98.72	98.719	-0.0004
41	50	Unbiased	98.713	98.714	0.0018
42	50	Unbiased	98.715	98.715	0.0007
43	100	Biased	98.713	98.712	-0.0011
44	100	Biased	98.723	98.72	-0.0024
45	100	Biased	98.712	98.712	-0.0005
46	100	Biased	98.721	98.72	-0.0016
47	100	Biased	98.706	98.704	-0.0026
48	100	Unbiased	98.719	98.719	0.0001
49	100	Unbiased	98.72	98.718	-0.0022
50	100	Unbiased	98.715	98.714	-0.0011
51	100	Unbiased	98.701	98.701	-0.0008
52	100	Unbiased	98.707	98.708	0.0002
53	0	Correlation	98.716	98.72	0.0039
54	0	Correlation	98.713	98.716	0.003
55	0	Correlation	98.716	98.719	0.0025
56	0	Correlation	98.711	98.716	0.0045

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	98.711	98.714	98.716	0.0025586	98.716	98.718	98.72	0.002193	0.0025	0.003475	0.0045	0.00089582
3	98.717	98.725	98.733	0.004327	98.714	98.723	98.729	0.0041081	-0.0036	-0.00179	0.0004	0.0010744
10	98.713	98.716	98.719	0.0021863	98.712	98.716	98.719	0.00255	-0.001	-0.00014	0.0012	0.00078909
30	98.703	98.715	98.721	0.0047645	98.704	98.716	98.72	0.0043017	-0.0009	0.00049	0.0021	0.0010027
50	98.711	98.716	98.724	0.0041709	98.71	98.715	98.723	0.0042195	-0.003	-0.00048	0.0018	0.0014823
100	98.701	98.714	98.723	0.0071018	98.701	98.713	98.72	0.0068801	-0.0026	-0.0012	0.0002	0.00099331

Device Test: 6.113; VOH_PWRGD_10MA





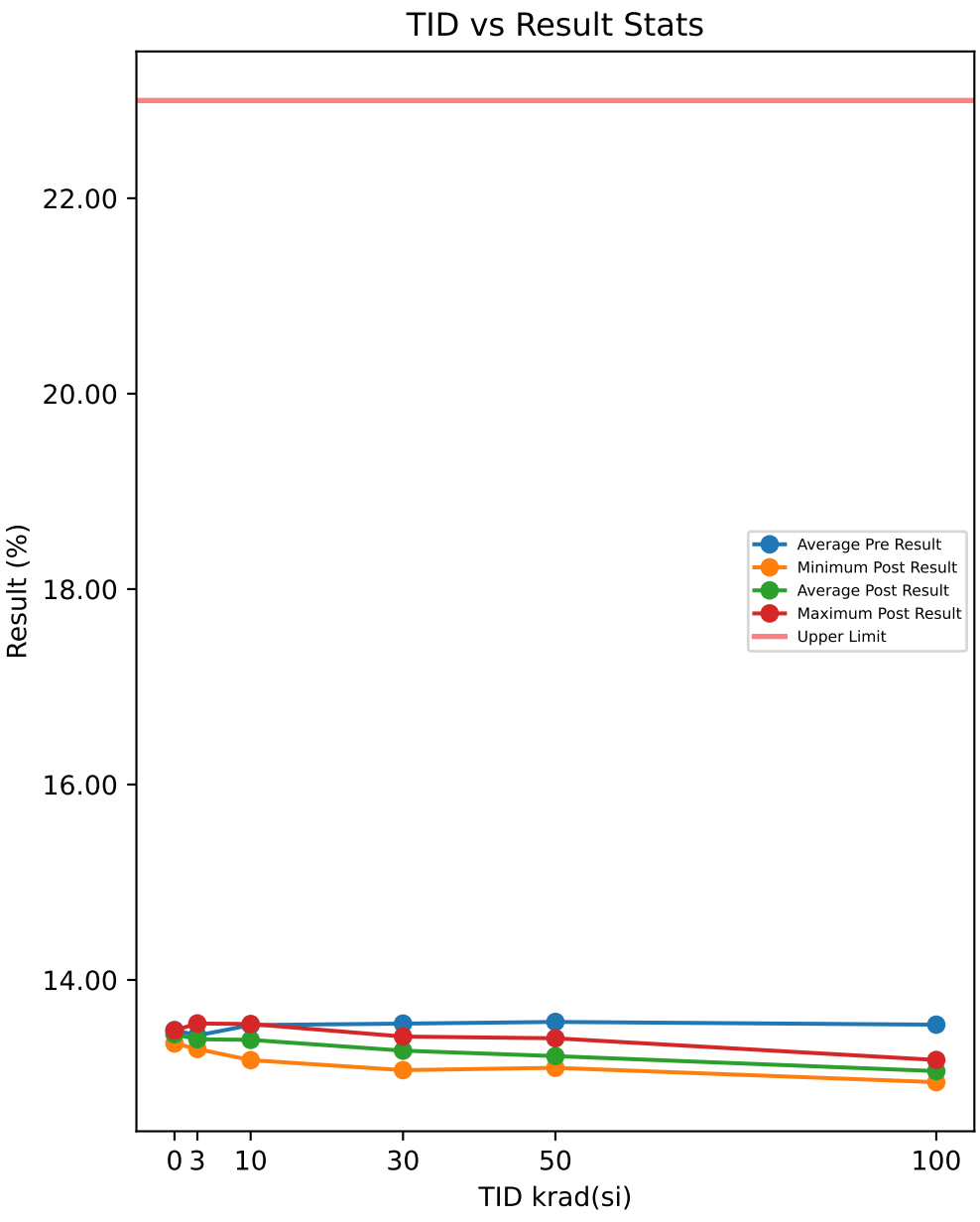
Test Results (Lower Limit = 75.0 (%))

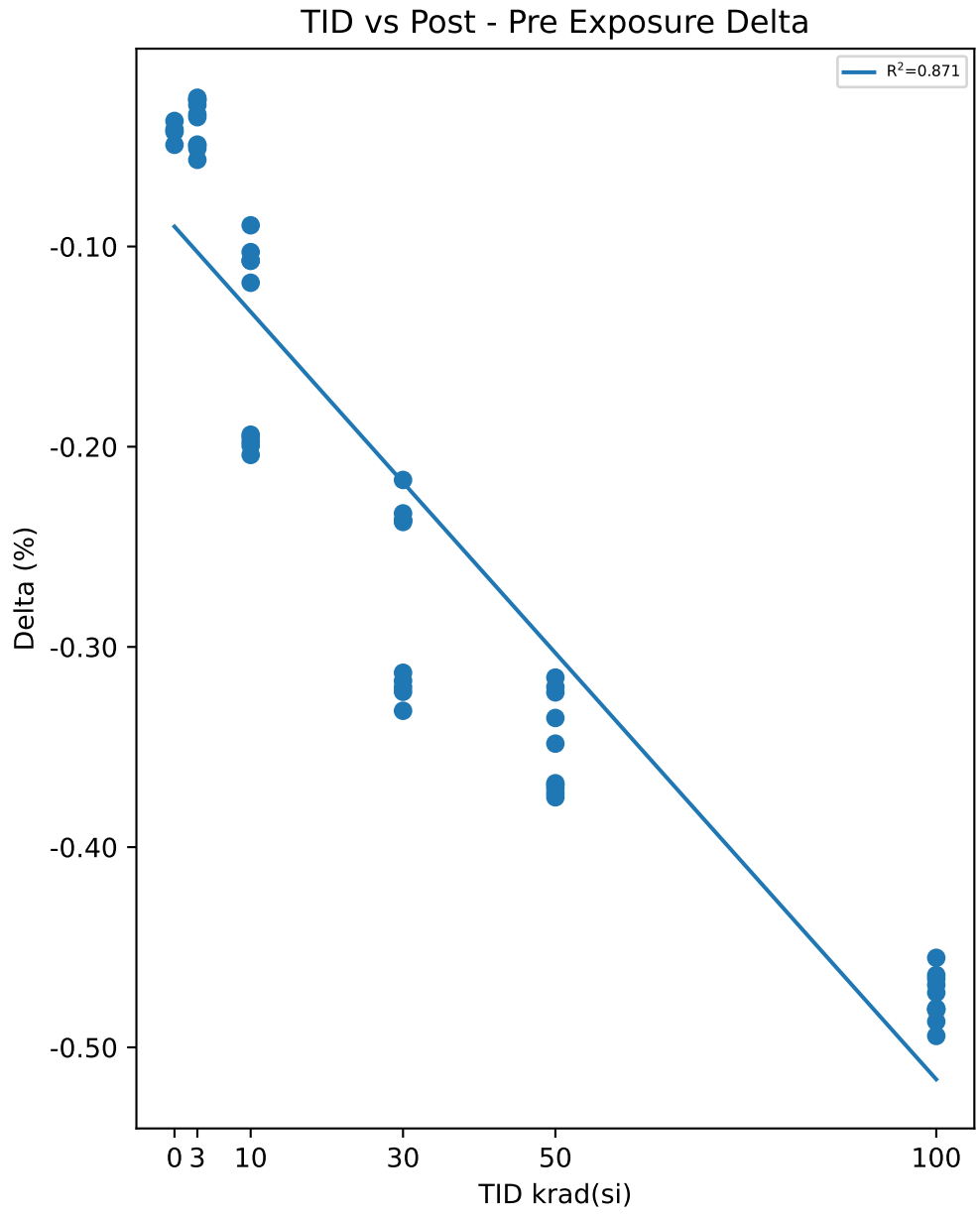
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	98.77	98.765	-0.0051
3	3	Biased	98.755	98.752	-0.0024
4	3	Biased	98.768	98.765	-0.0031
5	3	Biased	98.763	98.76	-0.0021
6	3	Biased	98.767	98.764	-0.0033
7	3	Unbiased	98.763	98.761	-0.0021
8	3	Unbiased	98.762	98.76	-0.0018
9	3	Unbiased	98.765	98.763	-0.0026
10	3	Unbiased	98.762	98.76	-0.0015
11	3	Unbiased	98.762	98.761	-0.0015
12	10	Unbiased	98.758	98.757	-0.0014
13	10	Unbiased	98.756	98.755	-0.0013
14	10	Unbiased	98.754	98.754	-0.0002
15	10	Unbiased	98.758	98.756	-0.0017
16	10	Unbiased	98.754	98.754	-0.0007
17	10	Biased	98.76	98.759	-0.0009
18	10	Biased	98.755	98.756	0.0006
19	10	Biased	98.754	98.755	0.0016
20	10	Biased	98.755	98.756	0.0011
21	10	Biased	98.758	98.76	0.0013
22	30	Biased	98.76	98.76	0.0003
23	30	Biased	98.753	98.753	0.0007
24	30	Biased	98.755	98.755	-0.0001
25	30	Biased	98.764	98.763	-0.0004
26	30	Biased	98.761	98.761	0.0002
27	30	Unbiased	98.754	98.753	-0.0006
28	30	Unbiased	98.757	98.754	-0.0025
29	30	Unbiased	98.752	98.752	0.0006
30	30	Unbiased	98.755	98.756	0.0003
31	30	Unbiased	98.744	98.744	-0.0002
32	50	Biased	98.755	98.753	-0.0017
33	50	Biased	98.761	98.76	-0.0016
34	50	Biased	98.749	98.747	-0.002
35	50	Biased	98.753	98.751	-0.0022
36	50	Biased	98.752	98.751	-0.0008
37	50	Unbiased	98.759	98.76	0.0006
39	50	Unbiased	98.762	98.761	-0.0008
40	50	Unbiased	98.759	98.759	0.0006
41	50	Unbiased	98.752	98.753	0.0008
42	50	Unbiased	98.754	98.755	0.0003
43	100	Biased	98.751	98.748	-0.0027
44	100	Biased	98.76	98.759	-0.0011
45	100	Biased	98.751	98.748	-0.0022
46	100	Biased	98.76	98.758	-0.0013
47	100	Biased	98.745	98.742	-0.0032
48	100	Unbiased	98.759	98.757	-0.0021
49	100	Unbiased	98.758	98.757	-0.0005
50	100	Unbiased	98.753	98.751	-0.0016
51	100	Unbiased	98.742	98.742	0.0006
52	100	Unbiased	98.748	98.748	0.0007
53	0	Correlation	98.757	98.759	0.002
54	0	Correlation	98.751	98.755	0.0034
55	0	Correlation	98.753	98.757	0.0032
56	0	Correlation	98.745	98.749	0.0034

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	98.745	98.752	98.757	0.0047493	98.749	98.755	98.759	0.0042594	0.002	0.003	0.0034	0.0006733
3	98.755	98.764	98.77	0.0042663	98.752	98.761	98.765	0.0036148	-0.0051	-0.00255	-0.0015	0.0010835
10	98.754	98.756	98.76	0.0022014	98.754	98.756	98.76	0.0020143	-0.0017	-0.00016	0.0016	0.0012222
30	98.744	98.755	98.764	0.0054351	98.744	98.755	98.763	0.0054175	-0.0025	-0.00017	0.0007	0.000919
50	98.749	98.756	98.762	0.0043063	98.747	98.755	98.761	0.0047049	-0.0022	-0.00068	0.0008	0.0011736
100	98.742	98.752	98.76	0.0064386	98.742	98.751	98.759	0.0063656	-0.0032	-0.00134	0.0007	0.0013074

Device Test: 6.114; VOL_RESET_10MA





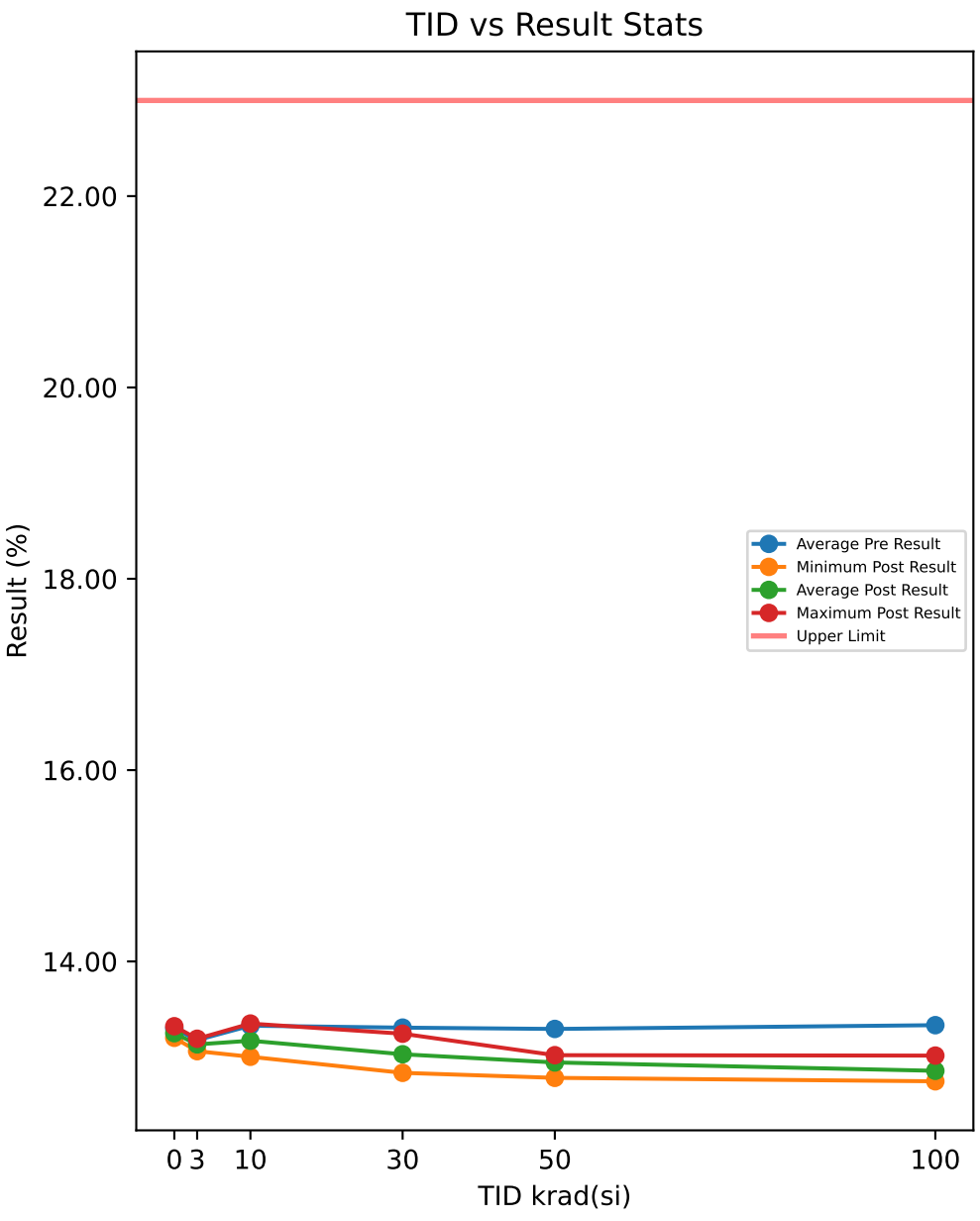
Test Results (Upper Limit = 23.0 (%))

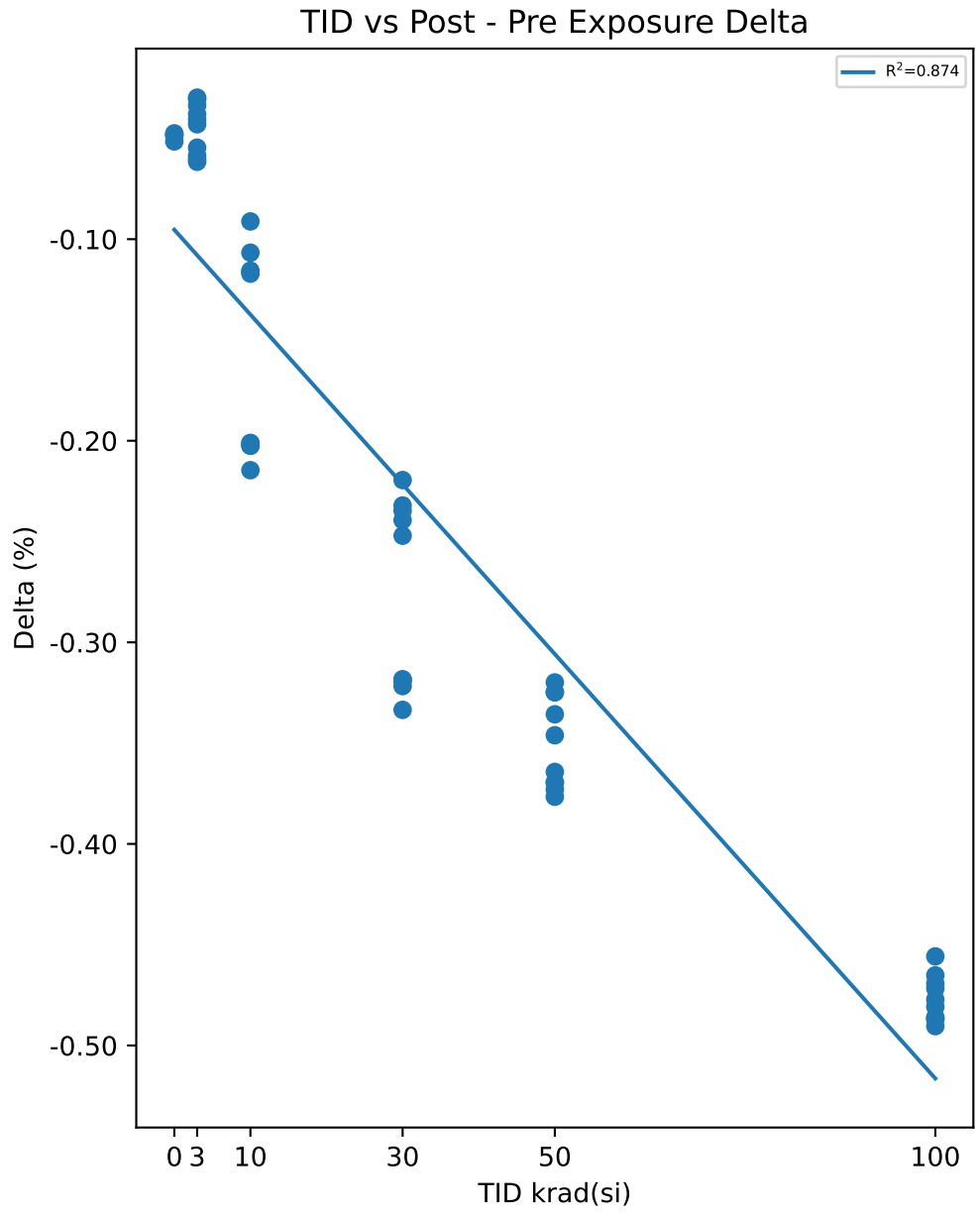
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	13.444	13.408	-0.0354
3	3	Biased	13.396	13.345	-0.051
4	3	Biased	13.381	13.324	-0.0567
5	3	Biased	13.604	13.554	-0.0494
6	3	Biased	13.342	13.293	-0.0491
7	3	Unbiased	13.371	13.344	-0.0269
8	3	Unbiased	13.456	13.429	-0.0268
9	3	Unbiased	13.447	13.413	-0.0339
10	3	Unbiased	13.336	13.311	-0.0257
11	3	Unbiased	13.54	13.511	-0.0293
12	10	Unbiased	13.651	13.549	-0.1028
13	10	Unbiased	13.546	13.457	-0.0894
14	10	Unbiased	13.612	13.505	-0.1071
15	10	Unbiased	13.613	13.495	-0.1181
16	10	Unbiased	13.424	13.316	-0.1071
17	10	Biased	13.373	13.179	-0.194
18	10	Biased	13.424	13.227	-0.1976
19	10	Biased	13.741	13.542	-0.1995
20	10	Biased	13.439	13.235	-0.2041
21	10	Biased	13.557	13.362	-0.1952
22	30	Biased	13.595	13.278	-0.3169
23	30	Biased	13.563	13.243	-0.32
24	30	Biased	13.661	13.339	-0.3224
25	30	Biased	13.409	13.077	-0.3319
26	30	Biased	13.48	13.167	-0.3129
27	30	Unbiased	13.583	13.345	-0.2376
28	30	Unbiased	13.637	13.421	-0.2166
29	30	Unbiased	13.558	13.321	-0.2367
30	30	Unbiased	13.49	13.254	-0.2367
31	30	Unbiased	13.552	13.319	-0.2333
32	50	Biased	13.539	13.169	-0.3706
33	50	Biased	13.469	13.101	-0.3681
34	50	Biased	13.541	13.172	-0.369
35	50	Biased	13.557	13.184	-0.373
36	50	Biased	13.736	13.361	-0.3751
37	50	Unbiased	13.514	13.194	-0.32
39	50	Unbiased	13.525	13.19	-0.3355
40	50	Unbiased	13.456	13.141	-0.3153
41	50	Unbiased	13.751	13.403	-0.3483
42	50	Unbiased	13.614	13.291	-0.3227
43	100	Biased	13.422	12.954	-0.4688
44	100	Biased	13.436	12.956	-0.4806
45	100	Biased	13.668	13.181	-0.4871
46	100	Biased	13.52	13.039	-0.481
47	100	Biased	13.535	13.054	-0.4812
48	100	Unbiased	13.54	13.076	-0.4639
49	100	Unbiased	13.572	13.078	-0.4943
50	100	Unbiased	13.547	13.091	-0.4553
51	100	Unbiased	13.528	13.062	-0.4657
52	100	Unbiased	13.652	13.179	-0.4727
53	0	Correlation	13.503	13.465	-0.0373
54	0	Correlation	13.521	13.478	-0.0427
55	0	Correlation	13.391	13.35	-0.0415
56	0	Correlation	13.532	13.483	-0.0492

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	13.391	13.487	13.532	0.064722	13.35	13.444	13.483	0.063231	-0.0492	-0.042675	-0.0373	0.0049277
3	13.336	13.432	13.604	0.086186	13.293	13.393	13.554	0.086874	-0.0567	-0.03842	-0.0257	0.011876
10	13.373	13.538	13.741	0.1196	13.179	13.387	13.549	0.14073	-0.2041	-0.15149	-0.0894	0.049664
30	13.409	13.553	13.661	0.075774	13.077	13.276	13.421	0.09812	-0.3319	-0.2765	-0.2166	0.04733
50	13.456	13.57	13.751	0.10143	13.101	13.22	13.403	0.098156	-0.3751	-0.34976	-0.3153	0.024345
100	13.422	13.542	13.668	0.078174	12.954	13.067	13.181	0.076361	-0.4943	-0.47506	-0.4553	0.011861

Device Test: 6.115; VOL_RESET_10MA





Test Results (Upper Limit = 23.0 (%))

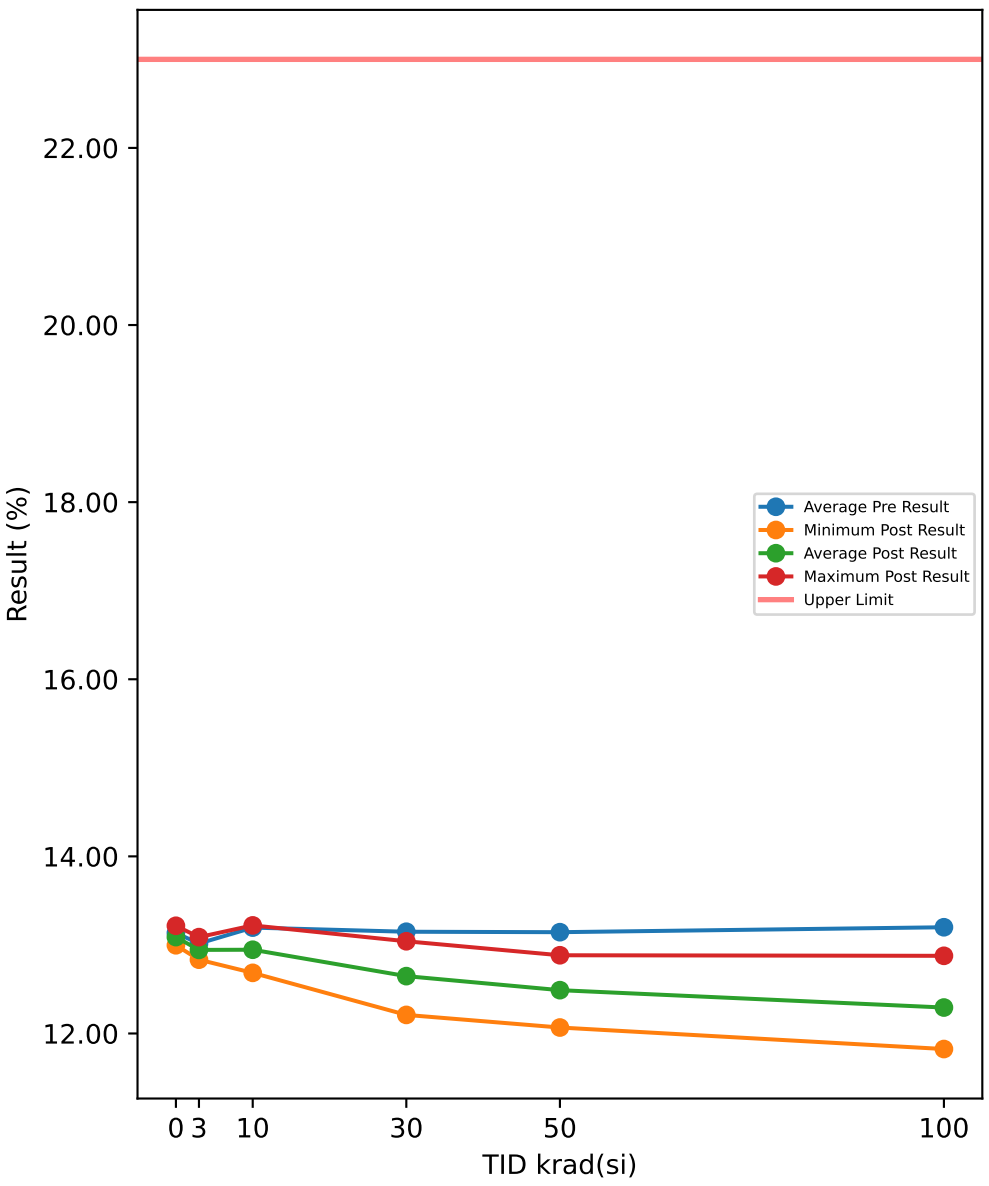
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	13.103	13.062	-0.0407
3	3	Biased	13.245	13.191	-0.0546
4	3	Biased	13.176	13.116	-0.0603
5	3	Biased	13.226	13.165	-0.0616
6	3	Biased	13.186	13.127	-0.0585
7	3	Unbiased	13.157	13.124	-0.0337
8	3	Unbiased	13.098	13.069	-0.0298
9	3	Unbiased	13.184	13.142	-0.043
10	3	Unbiased	13.174	13.143	-0.0304
11	3	Unbiased	13.23	13.192	-0.038
12	10	Unbiased	13.295	13.188	-0.1067
13	10	Unbiased	13.35	13.259	-0.0912
14	10	Unbiased	13.332	13.215	-0.1171
15	10	Unbiased	13.247	13.13	-0.1164
16	10	Unbiased	13.338	13.222	-0.1156
17	10	Biased	13.282	13.081	-0.2012
18	10	Biased	13.361	13.159	-0.2025
19	10	Biased	13.552	13.351	-0.2011
20	10	Biased	13.218	13.004	-0.2146
21	10	Biased	13.309	13.106	-0.2024
22	30	Biased	13.35	13.032	-0.3183
23	30	Biased	13.348	13.026	-0.3217
24	30	Biased	13.325	13.007	-0.3186
25	30	Biased	13.169	12.836	-0.3335
26	30	Biased	13.246	12.927	-0.3192
27	30	Unbiased	13.328	13.096	-0.2321
28	30	Unbiased	13.283	13.063	-0.2195
29	30	Unbiased	13.262	13.022	-0.2394
30	30	Unbiased	13.279	13.044	-0.2347
31	30	Unbiased	13.492	13.245	-0.2471
32	50	Biased	13.296	12.927	-0.3695
33	50	Biased	13.148	12.783	-0.3643
34	50	Biased	13.279	12.903	-0.3766
35	50	Biased	13.371	12.998	-0.373
36	50	Biased	13.369	12.999	-0.3695
37	50	Unbiased	13.261	12.936	-0.3248
39	50	Unbiased	13.315	12.979	-0.3357
40	50	Unbiased	13.34	13.02	-0.3199
41	50	Unbiased	13.295	12.949	-0.3461
42	50	Unbiased	13.272	12.947	-0.3247
43	100	Biased	13.419	12.929	-0.4904
44	100	Biased	13.251	12.765	-0.486
45	100	Biased	13.343	12.862	-0.4808
46	100	Biased	13.364	12.877	-0.487
47	100	Biased	13.38	12.902	-0.4772
48	100	Unbiased	13.217	12.752	-0.4652
49	100	Unbiased	13.219	12.747	-0.4717
50	100	Unbiased	13.277	12.821	-0.4558
51	100	Unbiased	13.502	13.016	-0.4864
52	100	Unbiased	13.367	12.898	-0.4693
53	0	Correlation	13.25	13.202	-0.0485
54	0	Correlation	13.31	13.262	-0.0482
55	0	Correlation	13.261	13.213	-0.0475
56	0	Correlation	13.374	13.323	-0.0515

Test Statistics (%)

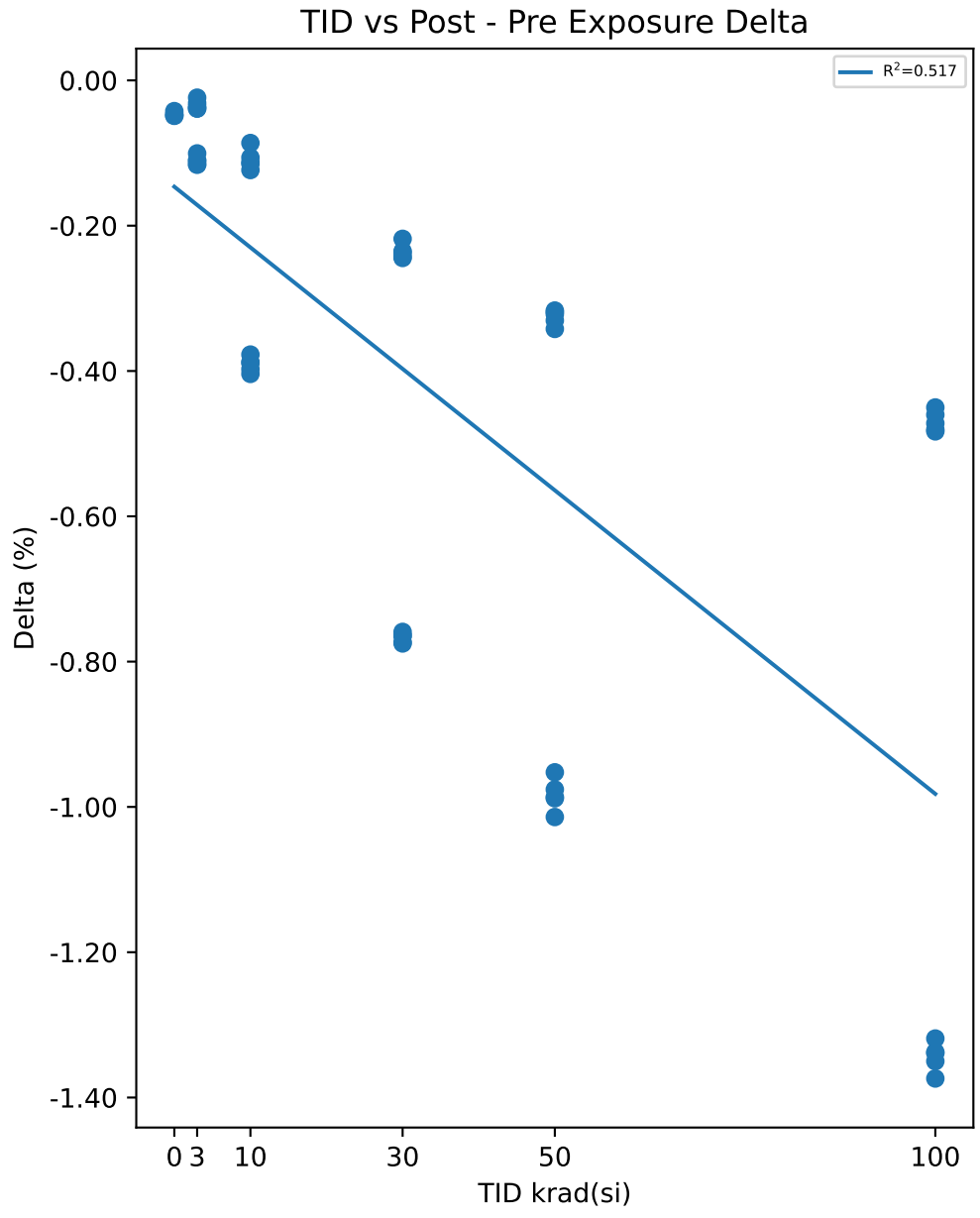
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	13.25	13.299	13.374	0.056596	13.202	13.25	13.323	0.055067	-0.0515	-0.048925	-0.0475	0.0017671
3	13.098	13.178	13.245	0.049531	13.062	13.133	13.192	0.044177	-0.0616	-0.04506	-0.0298	0.012594
10	13.218	13.328	13.552	0.090706	13.004	13.171	13.351	0.098326	-0.2146	-0.15688	-0.0912	0.05073
30	13.169	13.308	13.492	0.084702	12.836	13.03	13.245	0.10579	-0.3335	-0.27841	-0.2195	0.046912
50	13.148	13.295	13.371	0.064435	12.783	12.944	13.02	0.067457	-0.3766	-0.35041	-0.3199	0.02261
100	13.217	13.334	13.502	0.092412	12.747	12.857	13.016	0.086594	-0.4904	-0.47698	-0.4558	0.011252

Device Test: 6.116; VOL_RESET_10MA

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 23.0 (%))

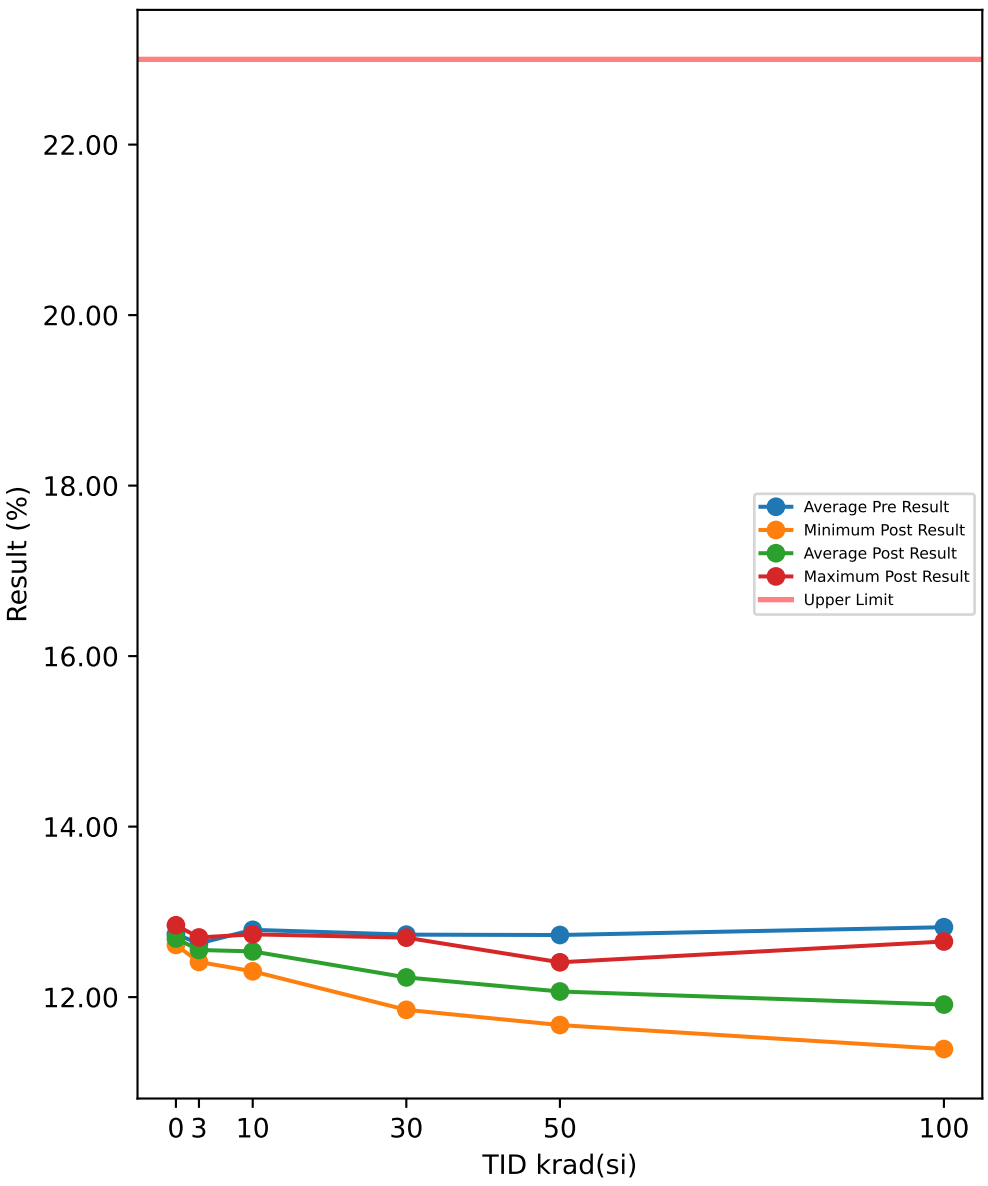
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.938	12.838	-0.1005
3	3	Biased	13.108	12.992	-0.1155
4	3	Biased	12.954	12.843	-0.1108
5	3	Biased	13.114	12.998	-0.1161
6	3	Biased	12.943	12.833	-0.11
7	3	Unbiased	12.925	12.889	-0.0361
8	3	Unbiased	12.978	12.954	-0.0238
9	3	Unbiased	13.127	13.088	-0.0388
10	3	Unbiased	12.984	12.953	-0.0314
11	3	Unbiased	13.088	13.05	-0.0386
12	10	Unbiased	13.199	13.093	-0.1062
13	10	Unbiased	13.307	13.22	-0.0862
14	10	Unbiased	13.118	13.005	-0.1128
15	10	Unbiased	13.157	13.034	-0.1234
16	10	Unbiased	13.186	13.071	-0.1148
17	10	Biased	13.184	12.795	-0.3891
18	10	Biased	13.198	12.794	-0.404
19	10	Biased	13.373	12.986	-0.3875
20	10	Biased	13.082	12.685	-0.3974
21	10	Biased	13.151	12.773	-0.3774
22	30	Biased	13.196	12.431	-0.7649
23	30	Biased	13.216	12.457	-0.7591
24	30	Biased	13.165	12.39	-0.775
25	30	Biased	12.983	12.21	-0.7732
26	30	Biased	13.117	12.354	-0.7638
27	30	Unbiased	13.152	12.915	-0.2373
28	30	Unbiased	13.1	12.882	-0.2181
29	30	Unbiased	13.081	12.846	-0.235
30	30	Unbiased	13.193	12.95	-0.2427
31	30	Unbiased	13.286	13.041	-0.2444
32	50	Biased	13.137	12.161	-0.976
33	50	Biased	13.02	12.067	-0.9524
34	50	Biased	13.116	12.13	-0.9865
35	50	Biased	13.284	12.27	-1.0139
36	50	Biased	13.202	12.214	-0.9881
37	50	Unbiased	13.09	12.771	-0.3189
39	50	Unbiased	13.126	12.795	-0.3305
40	50	Unbiased	13.205	12.883	-0.3218
41	50	Unbiased	13.155	12.813	-0.3421
42	50	Unbiased	13.104	12.787	-0.3168
43	100	Biased	13.36	12.021	-1.3388
44	100	Biased	13.198	11.824	-1.3738
45	100	Biased	13.199	11.862	-1.3375
46	100	Biased	13.232	11.913	-1.3188
47	100	Biased	13.183	11.833	-1.35
48	100	Unbiased	13.058	12.598	-0.4603
49	100	Unbiased	13.116	12.635	-0.4807
50	100	Unbiased	13.093	12.643	-0.4502
51	100	Unbiased	13.36	12.877	-0.4831
52	100	Unbiased	13.196	12.724	-0.472
53	0	Correlation	13.043	12.996	-0.0466
54	0	Correlation	13.159	13.11	-0.0488
55	0	Correlation	13.08	13.031	-0.0484
56	0	Correlation	13.258	13.216	-0.0423

Test Statistics (%)

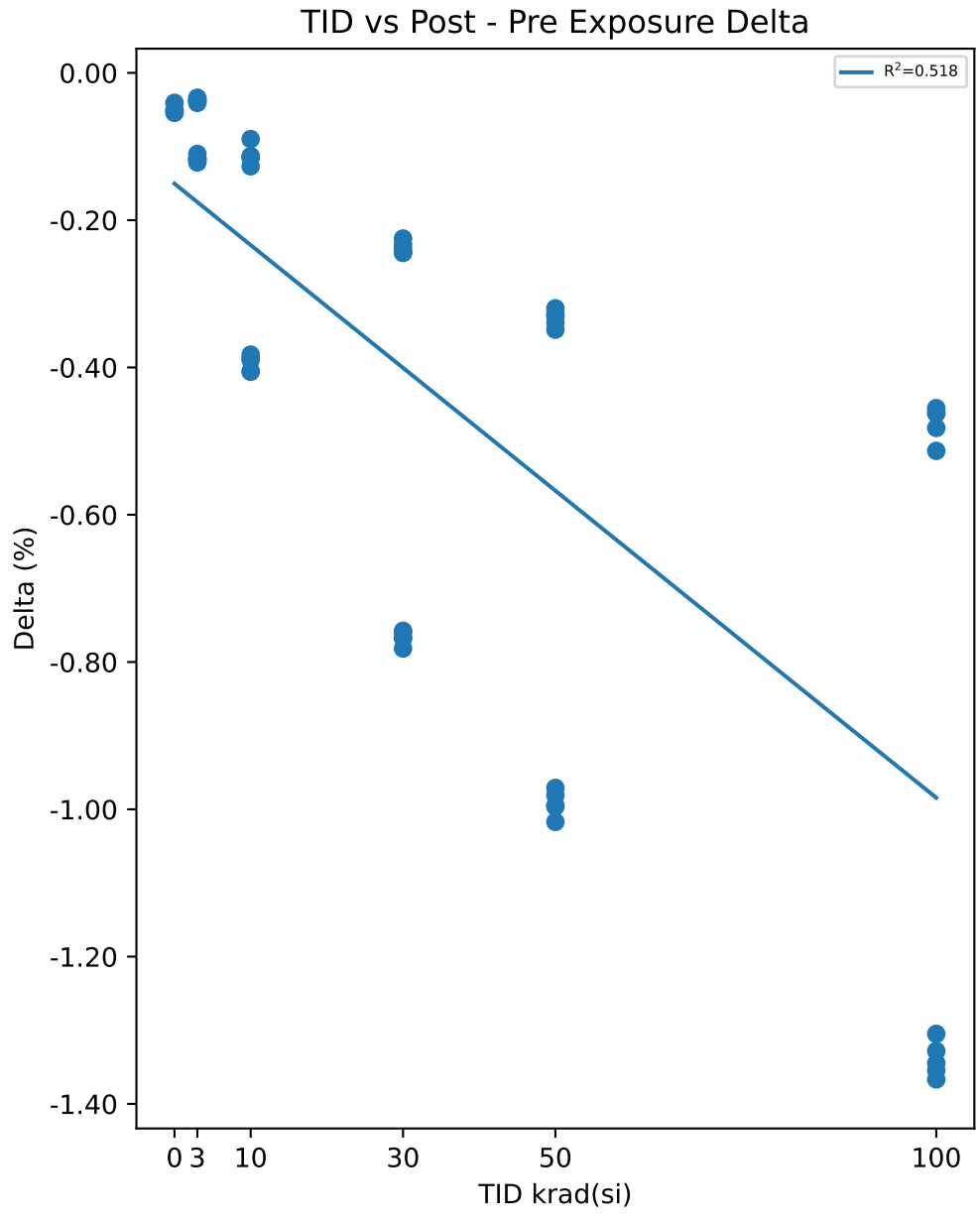
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	13.043	13.135	13.258	0.095498	12.996	13.088	13.216	0.097542	-0.0488	-0.046525	-0.0423	0.0029748
3	12.925	13.016	13.127	0.082663	12.833	12.944	13.088	0.090712	-0.1161	-0.07216	-0.0238	0.040929
10	13.082	13.196	13.373	0.085983	12.685	12.946	13.22	0.17299	-0.404	-0.24988	-0.0862	0.14928
30	12.983	13.149	13.286	0.083838	12.21	12.648	13.041	0.30547	-0.775	-0.50135	-0.2181	0.28035
50	13.02	13.144	13.284	0.072905	12.067	12.489	12.883	0.34326	-1.0139	-0.6547	-0.3168	0.34685
100	13.058	13.2	13.36	0.10071	11.824	12.293	12.877	0.43386	-1.3738	-0.90652	-0.4502	0.4612

Device Test: 6.117; VOL_RESET_10MA

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 23.0 (%))

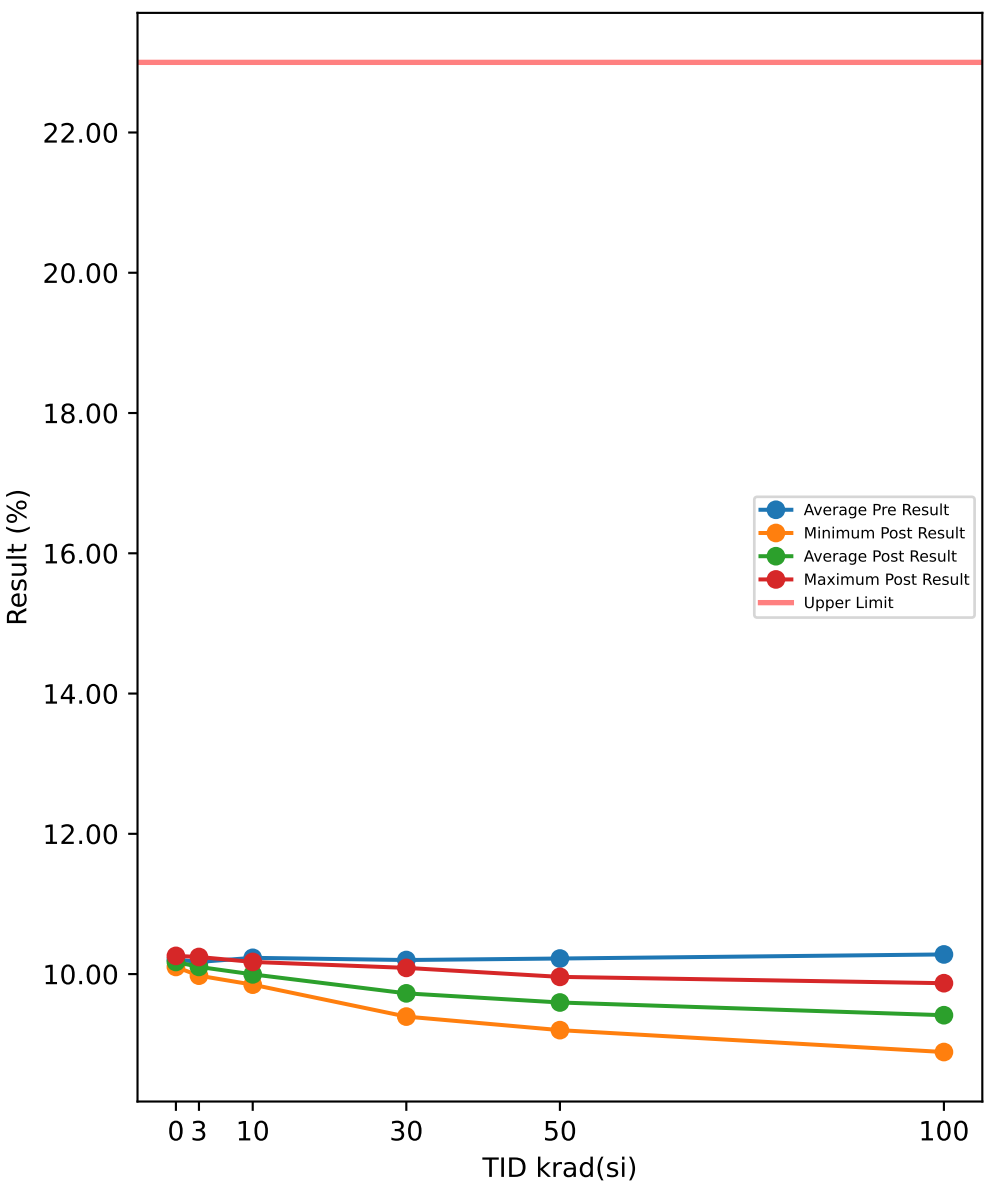
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.576	12.466	-0.1101
3	3	Biased	12.755	12.633	-0.1217
4	3	Biased	12.537	12.42	-0.1169
5	3	Biased	12.733	12.617	-0.116
6	3	Biased	12.531	12.412	-0.119
7	3	Unbiased	12.52	12.482	-0.0381
8	3	Unbiased	12.567	12.533	-0.0338
9	3	Unbiased	12.737	12.699	-0.038
10	3	Unbiased	12.602	12.566	-0.0365
11	3	Unbiased	12.741	12.7	-0.0408
12	10	Unbiased	12.777	12.663	-0.1144
13	10	Unbiased	12.806	12.716	-0.0899
14	10	Unbiased	12.709	12.596	-0.113
15	10	Unbiased	12.674	12.559	-0.1151
16	10	Unbiased	12.863	12.736	-0.1268
17	10	Biased	12.842	12.453	-0.3898
18	10	Biased	12.827	12.422	-0.4048
19	10	Biased	12.925	12.538	-0.3875
20	10	Biased	12.709	12.303	-0.4059
21	10	Biased	12.762	12.379	-0.3826
22	30	Biased	12.749	11.982	-0.7668
23	30	Biased	12.796	12.038	-0.7576
24	30	Biased	12.73	11.962	-0.7677
25	30	Biased	12.632	11.851	-0.7816
26	30	Biased	12.673	11.913	-0.7593
27	30	Unbiased	12.748	12.504	-0.2445
28	30	Unbiased	12.73	12.505	-0.225
29	30	Unbiased	12.635	12.402	-0.2331
30	30	Unbiased	12.699	12.455	-0.244
31	30	Unbiased	12.937	12.697	-0.2394
32	50	Biased	12.743	11.762	-0.981
33	50	Biased	12.643	11.672	-0.971
34	50	Biased	12.688	11.692	-0.9963
35	50	Biased	12.864	11.847	-1.0171
36	50	Biased	12.803	11.808	-0.9949
37	50	Unbiased	12.645	12.315	-0.3305
39	50	Unbiased	12.748	12.408	-0.3392
40	50	Unbiased	12.72	12.4	-0.3198
41	50	Unbiased	12.737	12.388	-0.3487
42	50	Unbiased	12.694	12.367	-0.3273
43	100	Biased	12.947	11.603	-1.3447
44	100	Biased	12.758	11.391	-1.3667
45	100	Biased	12.764	11.436	-1.3282
46	100	Biased	12.797	11.492	-1.3049
47	100	Biased	12.882	11.527	-1.3546
48	100	Unbiased	12.649	12.188	-0.4609
49	100	Unbiased	12.776	12.294	-0.4821
50	100	Unbiased	12.694	12.239	-0.4553
51	100	Unbiased	13.166	12.652	-0.5133
52	100	Unbiased	12.766	12.303	-0.4626
53	0	Correlation	12.66	12.619	-0.0407
54	0	Correlation	12.731	12.677	-0.0543
55	0	Correlation	12.664	12.612	-0.0523
56	0	Correlation	12.893	12.843	-0.0504

Test Statistics (%)

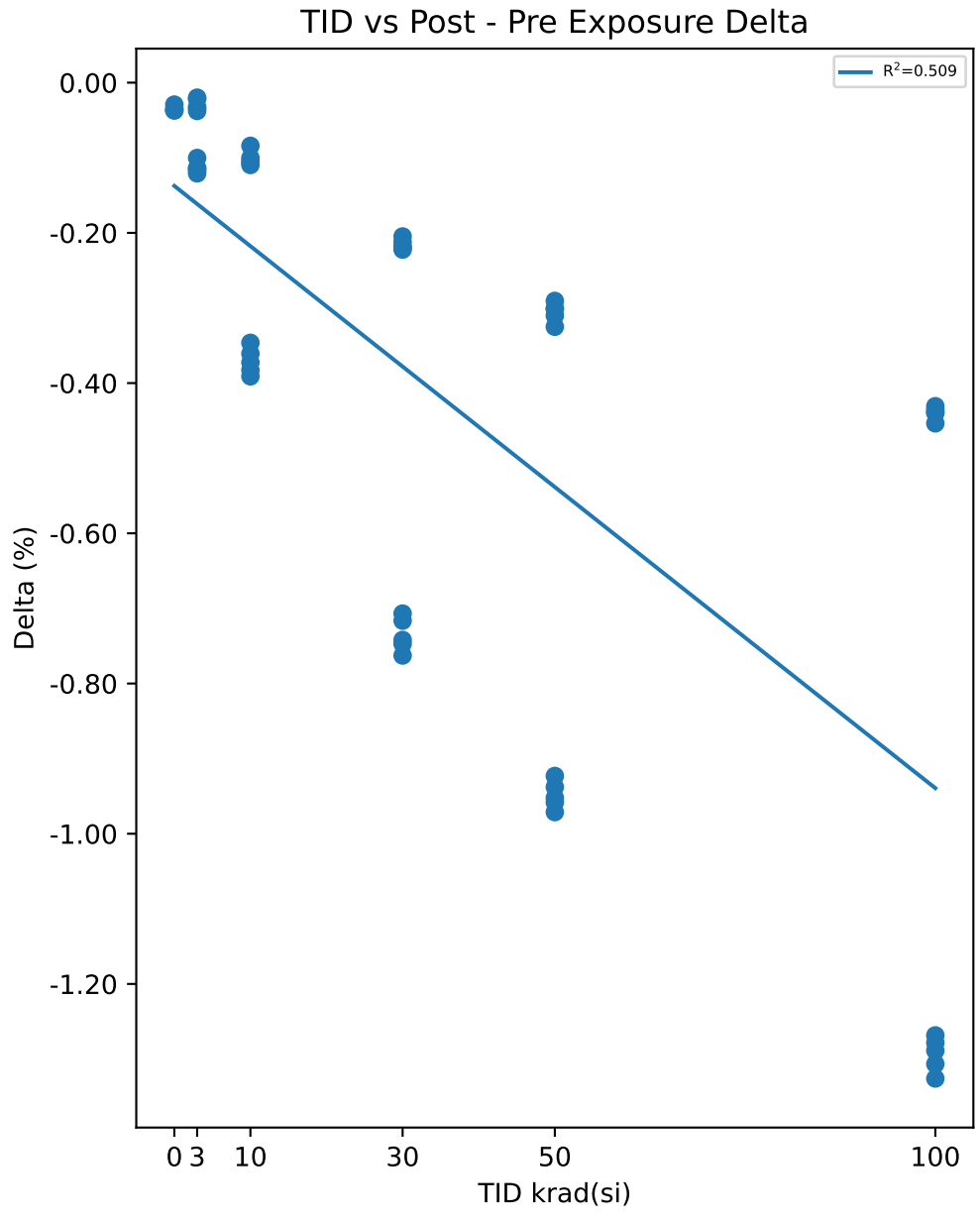
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.66	12.737	12.893	0.10905	12.612	12.688	12.843	0.10742	-0.0543	-0.049425	-0.0407	0.0060307
3	12.52	12.63	12.755	0.098786	12.412	12.553	12.7	0.1074	-0.1217	-0.07709	-0.0338	0.041928
10	12.674	12.789	12.925	0.078704	12.303	12.536	12.736	0.14596	-0.4059	-0.25298	-0.0899	0.14921
30	12.632	12.733	12.937	0.088498	11.851	12.231	12.697	0.30974	-0.7816	-0.5019	-0.225	0.27914
50	12.643	12.728	12.864	0.068008	11.672	12.066	12.408	0.33108	-1.0171	-0.66258	-0.3198	0.34758
100	12.649	12.82	13.166	0.14796	11.391	11.913	12.652	0.46523	-1.3667	-0.90733	-0.4553	0.45644

Device Test: 6.118; VOL_WDO_10MA

TID vs Result Stats



TID vs Post - Pre Exposure Delta



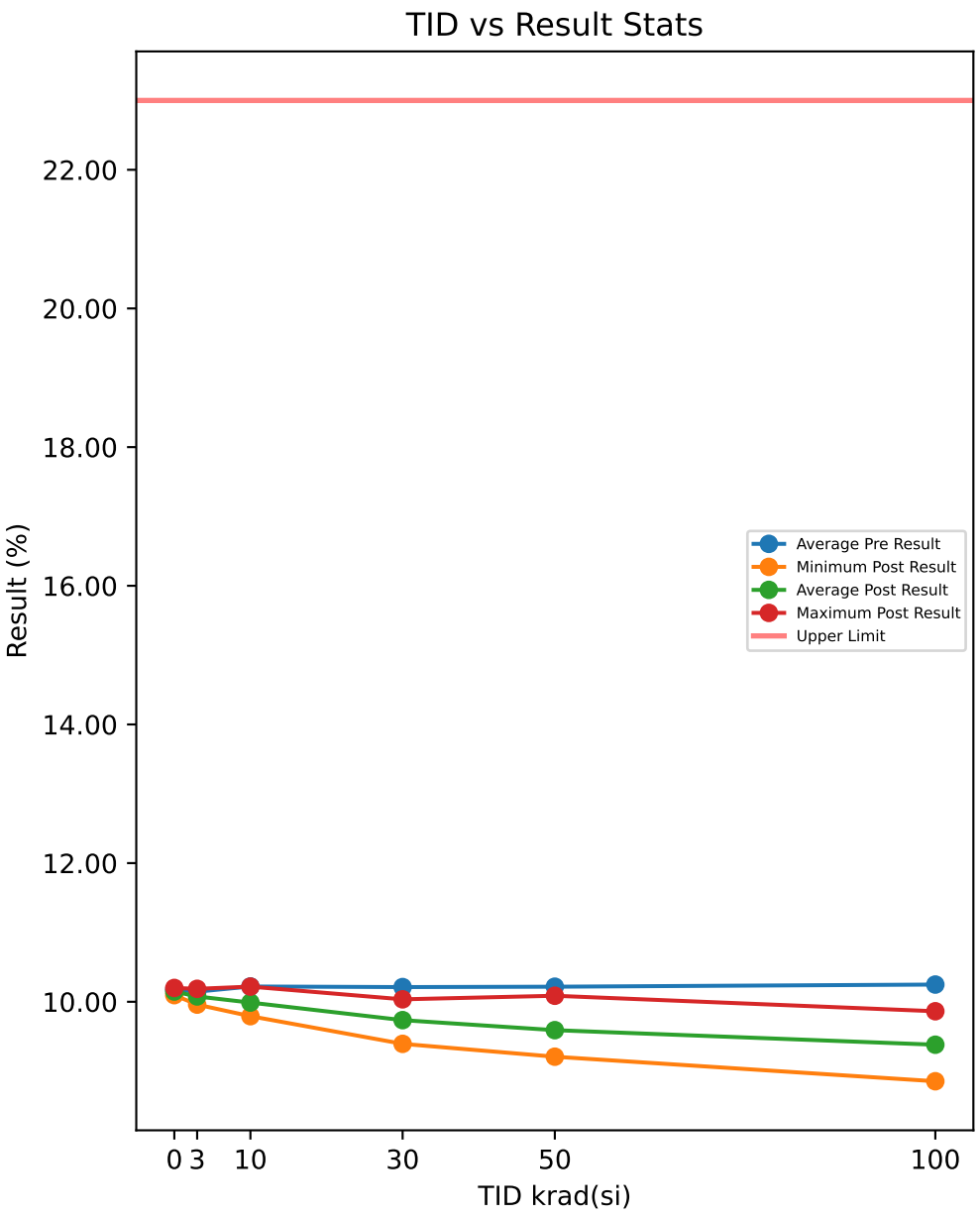
Test Results (Upper Limit = 23.0 (%))

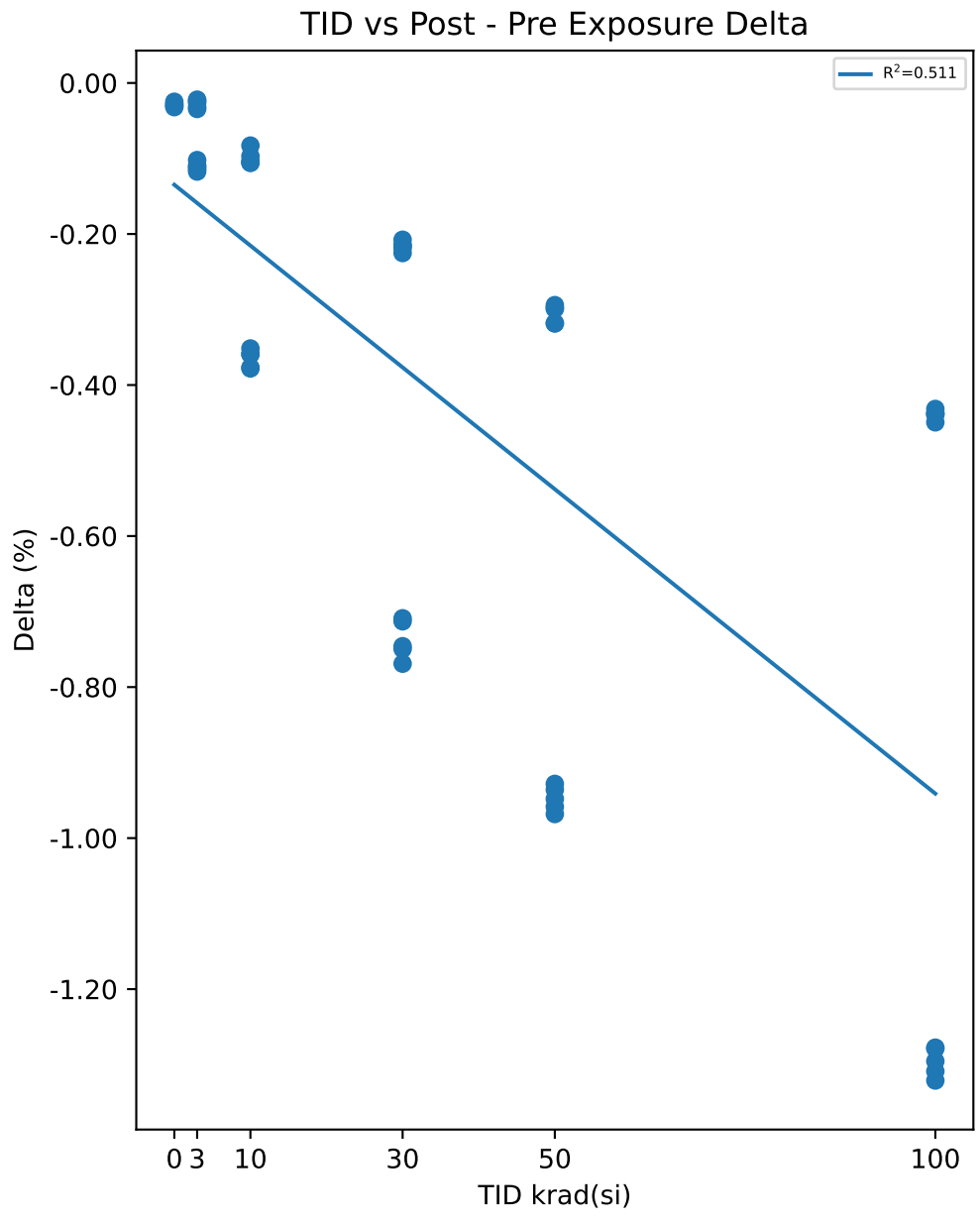
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	10.1	9.9997	-0.1003
3	3	Biased	10.198	10.077	-0.1208
4	3	Biased	10.091	9.9774	-0.114
5	3	Biased	10.187	10.073	-0.1138
6	3	Biased	10.171	10.054	-0.1172
7	3	Unbiased	10.205	10.173	-0.0322
8	3	Unbiased	10.142	10.12	-0.0216
9	3	Unbiased	10.281	10.244	-0.0377
10	3	Unbiased	10.198	10.178	-0.02
11	3	Unbiased	10.16	10.126	-0.0341
12	10	Unbiased	10.248	10.145	-0.1039
13	10	Unbiased	10.21	10.126	-0.0841
14	10	Unbiased	10.143	10.036	-0.1068
15	10	Unbiased	10.195	10.085	-0.1096
16	10	Unbiased	10.273	10.173	-0.1002
17	10	Biased	10.348	9.9759	-0.3725
18	10	Biased	10.244	9.8608	-0.3828
19	10	Biased	10.205	9.8587	-0.3464
20	10	Biased	10.24	9.8492	-0.391
21	10	Biased	10.211	9.8501	-0.3608
22	30	Biased	10.141	9.3939	-0.7472
23	30	Biased	10.161	9.4443	-0.7163
24	30	Biased	10.225	9.4833	-0.742
25	30	Biased	10.196	9.4333	-0.7627
26	30	Biased	10.195	9.4882	-0.7069
27	30	Unbiased	10.199	9.9799	-0.2194
28	30	Unbiased	10.244	10.039	-0.2048
29	30	Unbiased	10.186	9.9671	-0.2191
30	30	Unbiased	10.147	9.9344	-0.2125
31	30	Unbiased	10.311	10.088	-0.2223
32	50	Biased	10.216	9.2449	-0.9712
33	50	Biased	10.188	9.265	-0.9231
34	50	Biased	10.138	9.2006	-0.9378
35	50	Biased	10.255	9.2965	-0.9583
36	50	Biased	10.309	9.3566	-0.9522
37	50	Unbiased	10.153	9.8519	-0.3008
39	50	Unbiased	10.176	9.866	-0.3102
40	50	Unbiased	10.239	9.9481	-0.2906
41	50	Unbiased	10.284	9.9591	-0.325
42	50	Unbiased	10.261	9.9603	-0.3012
43	100	Biased	10.353	9.0845	-1.2685
44	100	Biased	10.195	8.8885	-1.3066
45	100	Biased	10.257	8.9685	-1.2888
46	100	Biased	10.356	9.0778	-1.2783
47	100	Biased	10.338	9.0125	-1.3259
48	100	Unbiased	10.184	9.7536	-0.4308
49	100	Unbiased	10.255	9.8009	-0.4536
50	100	Unbiased	10.27	9.8348	-0.4356
51	100	Unbiased	10.309	9.87	-0.4388
52	100	Unbiased	10.284	9.8437	-0.4398
53	0	Correlation	10.216	10.187	-0.0292
54	0	Correlation	10.137	10.102	-0.0351
55	0	Correlation	10.18	10.144	-0.0368
56	0	Correlation	10.296	10.259	-0.037

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	10.137	10.207	10.296	0.067571	10.102	10.173	10.259	0.067324	-0.037	-0.034525	-0.0292	0.0036509
3	10.091	10.173	10.281	0.055102	9.9774	10.102	10.244	0.082684	-0.1208	-0.07117	-0.02	0.044933
10	10.143	10.232	10.348	0.054489	9.8492	9.9959	10.173	0.13341	-0.391	-0.23581	-0.0841	0.14283
30	10.141	10.2	10.311	0.050409	9.3939	9.7252	10.088	0.29554	-0.7627	-0.47532	-0.2048	0.27421
50	10.138	10.222	10.309	0.057134	9.2006	9.5949	9.9603	0.34369	-0.9712	-0.62704	-0.2906	0.33921
100	10.184	10.28	10.356	0.060532	8.8885	9.4135	9.87	0.4336	-1.3259	-0.86667	-0.4308	0.45034

Device Test: 6.119; VOL_PWRGD_10MA





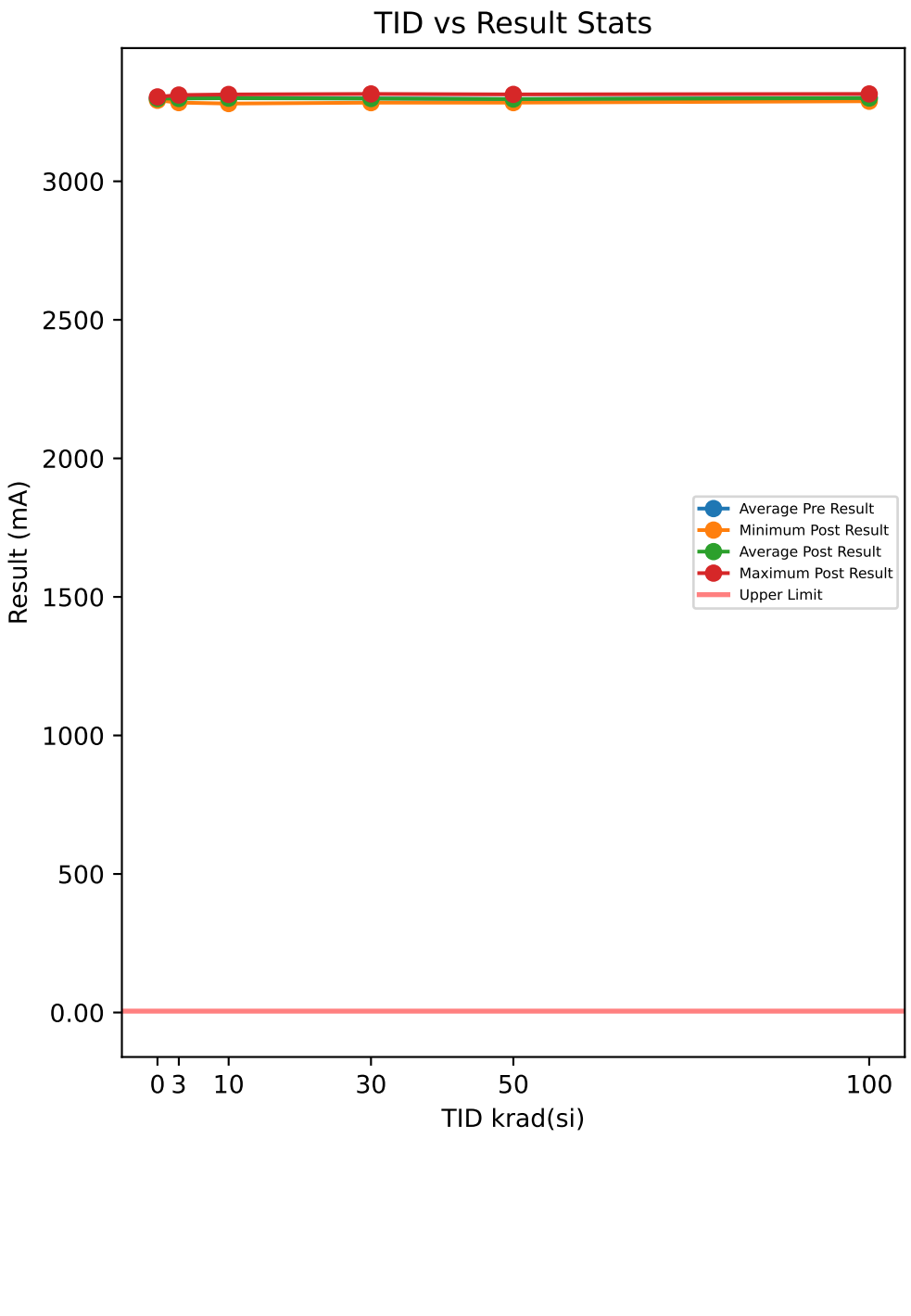
Test Results (Upper Limit = 23.0 (%))

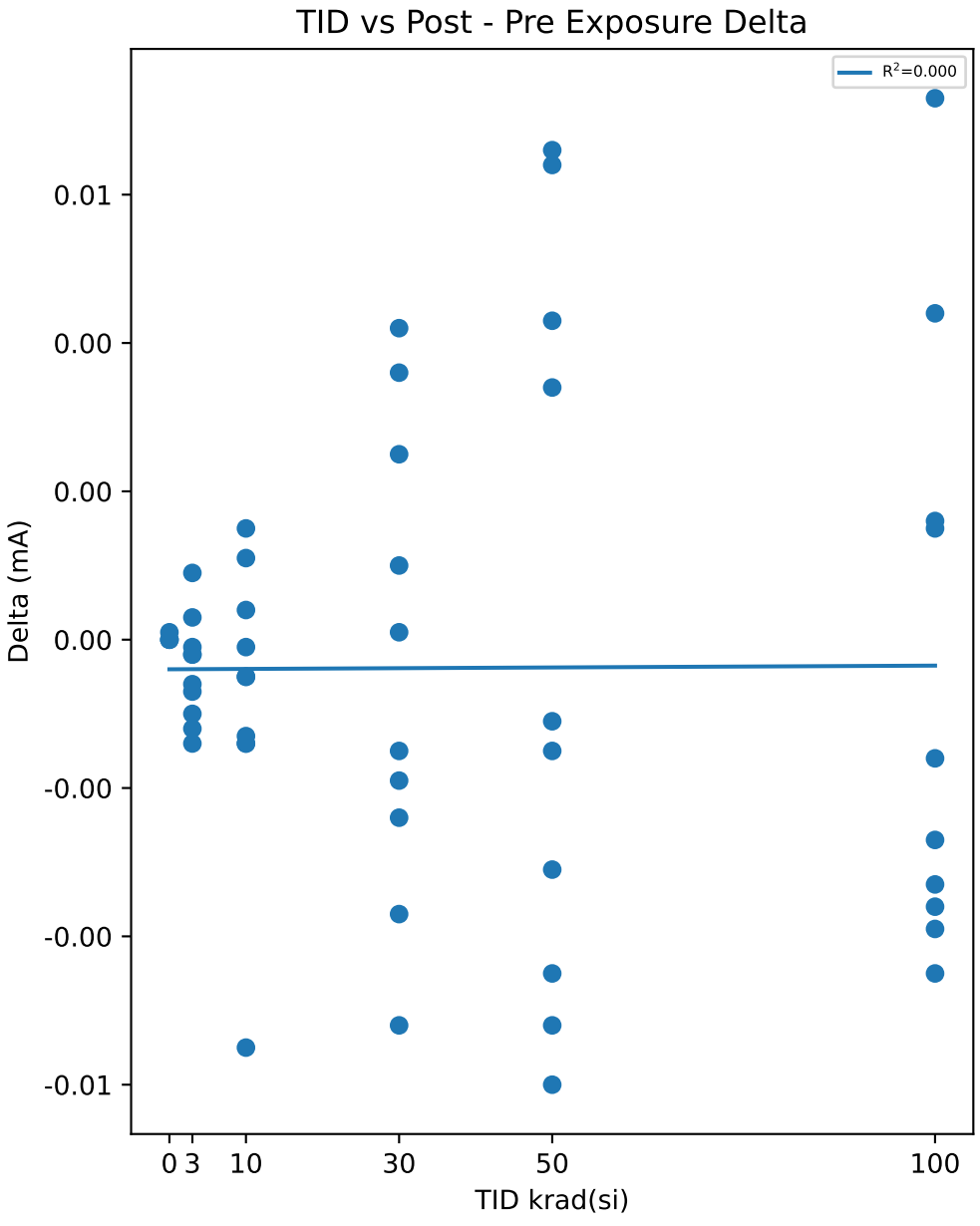
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	10.117	10.015	-0.1021
3	3	Biased	10.161	10.044	-0.1173
4	3	Biased	10.073	9.959	-0.1142
5	3	Biased	10.163	10.052	-0.1112
6	3	Biased	10.104	9.9941	-0.1096
7	3	Unbiased	10.174	10.152	-0.0221
8	3	Unbiased	10.103	10.077	-0.0264
9	3	Unbiased	10.221	10.187	-0.0344
10	3	Unbiased	10.205	10.181	-0.0237
11	3	Unbiased	10.139	10.107	-0.0322
12	10	Unbiased	10.261	10.165	-0.0969
13	10	Unbiased	10.301	10.219	-0.0829
14	10	Unbiased	10.146	10.043	-0.1035
15	10	Unbiased	10.22	10.114	-0.1058
16	10	Unbiased	10.209	10.104	-0.1054
17	10	Biased	10.243	9.8843	-0.3592
18	10	Biased	10.169	9.7922	-0.3768
19	10	Biased	10.25	9.898	-0.3516
20	10	Biased	10.18	9.8023	-0.378
21	10	Biased	10.223	9.8636	-0.3591
22	30	Biased	10.143	9.393	-0.7495
23	30	Biased	10.166	9.4531	-0.7129
24	30	Biased	10.31	9.5638	-0.7459
25	30	Biased	10.223	9.4537	-0.769
26	30	Biased	10.129	9.4198	-0.7089
27	30	Unbiased	10.242	10.017	-0.2252
28	30	Unbiased	10.227	10.02	-0.2076
29	30	Unbiased	10.183	9.9682	-0.2152
30	30	Unbiased	10.246	10.028	-0.2186
31	30	Unbiased	10.251	10.035	-0.2152
32	50	Biased	10.211	9.243	-0.9681
33	50	Biased	10.194	9.2661	-0.9282
34	50	Biased	10.156	9.2076	-0.948
35	50	Biased	10.204	9.2451	-0.9584
36	50	Biased	10.243	9.3076	-0.9359
37	50	Unbiased	10.172	9.8779	-0.2942
39	50	Unbiased	10.218	9.8996	-0.3185
40	50	Unbiased	10.386	10.087	-0.2991
41	50	Unbiased	10.203	9.8849	-0.318
42	50	Unbiased	10.185	9.8874	-0.2978
43	100	Biased	10.334	9.0566	-1.2775
44	100	Biased	10.162	8.8535	-1.3088
45	100	Biased	10.203	8.9246	-1.2786
46	100	Biased	10.379	9.0838	-1.2954
47	100	Biased	10.244	8.9228	-1.321
48	100	Unbiased	10.181	9.744	-0.4375
49	100	Unbiased	10.216	9.7669	-0.4494
50	100	Unbiased	10.277	9.8456	-0.4317
51	100	Unbiased	10.182	9.7446	-0.4378
52	100	Unbiased	10.303	9.8633	-0.4393
53	0	Correlation	10.222	10.197	-0.0249
54	0	Correlation	10.125	10.096	-0.0298
55	0	Correlation	10.128	10.1	-0.0285
56	0	Correlation	10.231	10.199	-0.032

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	10.125	10.177	10.231	0.057839	10.096	10.148	10.199	0.05814	-0.032	-0.0288	-0.0249	0.0029743
3	10.073	10.146	10.221	0.047459	9.959	10.077	10.187	0.078737	-0.1173	-0.06932	-0.0221	0.044118
10	10.146	10.22	10.301	0.046537	9.7922	9.9884	10.219	0.15768	-0.378	-0.23192	-0.0829	0.14058
30	10.129	10.212	10.31	0.055955	9.393	9.7352	10.035	0.29724	-0.769	-0.4768	-0.2076	0.27509
50	10.156	10.217	10.386	0.064082	9.2076	9.5906	10.087	0.36074	-0.9681	-0.62662	-0.2942	0.33873
100	10.162	10.248	10.379	0.072698	8.8535	9.3806	9.8633	0.44114	-1.321	-0.8677	-0.4317	0.45194

Device Test: 6.12; VLDO_I_MAX





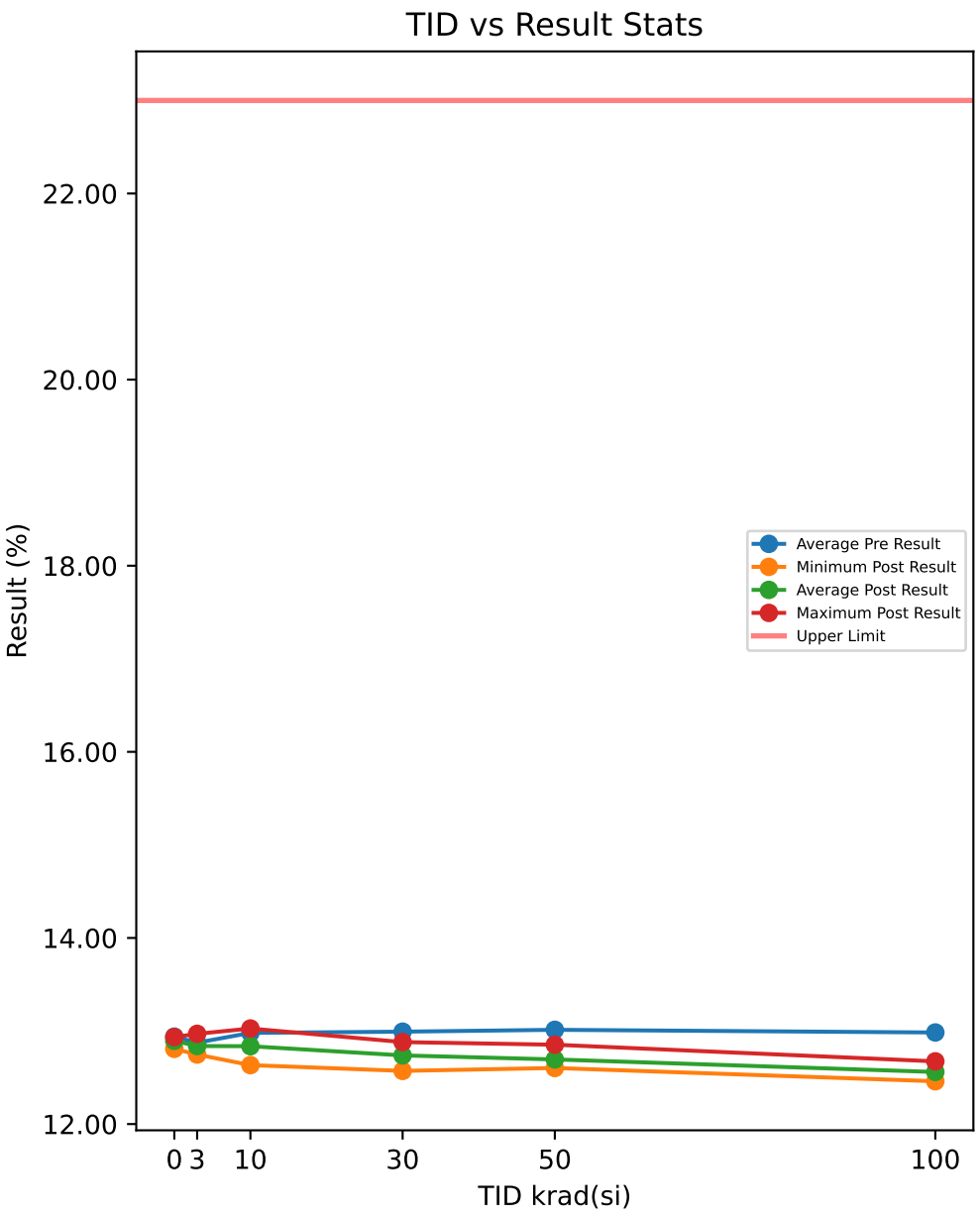
Test Results (Upper Limit = 5.0 (mA))

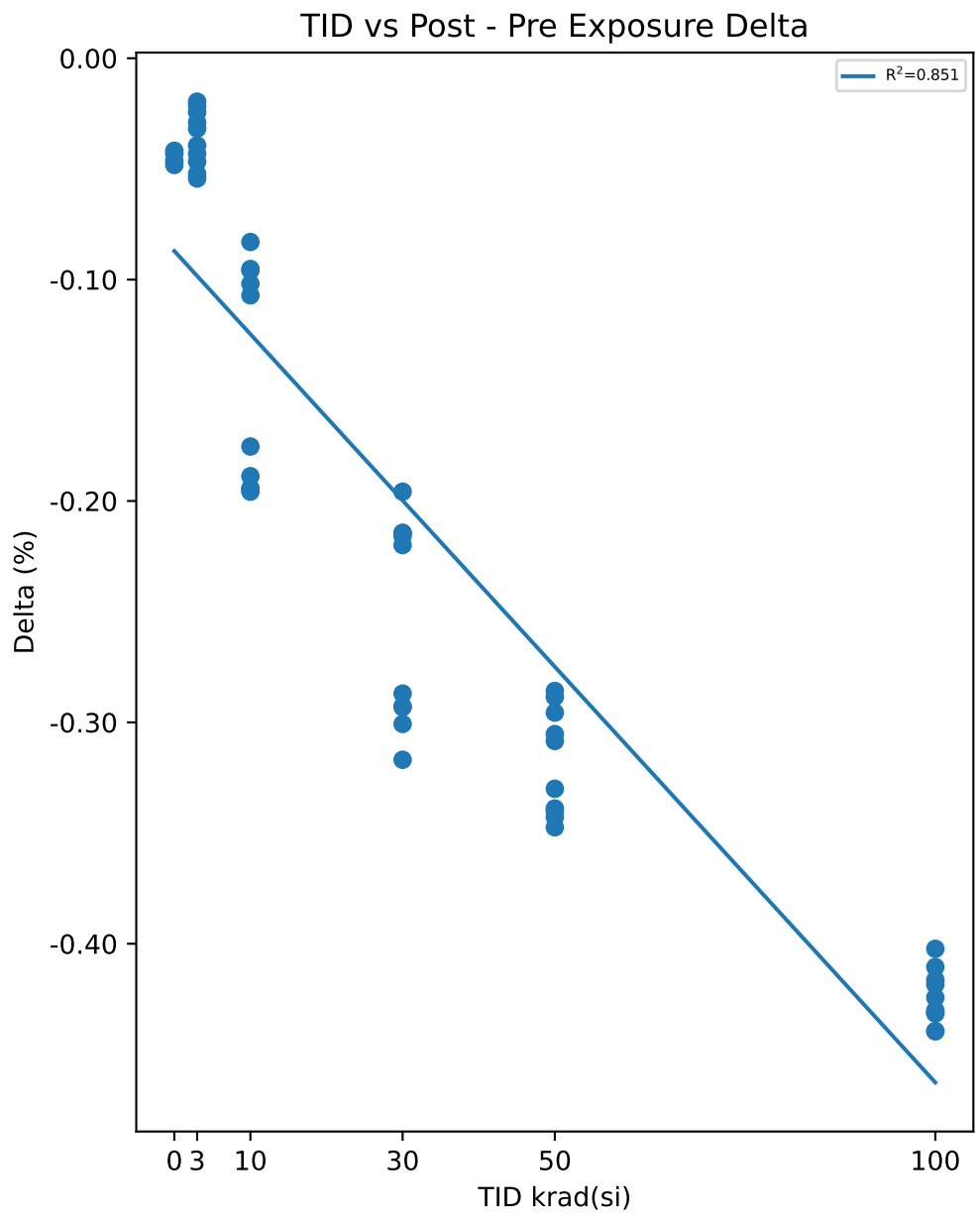
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	3307.6	3306.4	-0.0012
3	3	Biased	3300.3	3299.3	-0.001
4	3	Biased	3312	3310.6	-0.0014
5	3	Biased	3300.7	3300.5	-0.0002
6	3	Biased	3302.7	3303.6	0.0009
7	3	Unbiased	3293.7	3294	0.0003
8	3	Unbiased	3284.6	3284	-0.0006
9	3	Unbiased	3286.4	3285.7	-0.0007
10	3	Unbiased	3293.9	3293.7	-0.0002
11	3	Unbiased	3311.4	3311.3	-0.0001
12	10	Unbiased	3300.3	3298.9	-0.0014
13	10	Unbiased	3308.7	3307.3	-0.0014
14	10	Unbiased	3302.1	3301.6	-0.0005
15	10	Unbiased	3298.6	3297.3	-0.0013
16	10	Unbiased	3300.9	3302	0.0011
17	10	Biased	3307.5	3302	-0.0055
18	10	Biased	3297.9	3297.4	-0.0005
19	10	Biased	3279.1	3280.6	0.0015
20	10	Biased	3297.6	3298	0.0004
21	10	Biased	3313.5	3313.4	-0.0001
22	30	Biased	3300	3298.1	-0.0019
23	30	Biased	3285.4	3285.5	0.0001
24	30	Biased	3313.9	3308.7	-0.0052
25	30	Biased	3279.6	3283.8	0.0042
26	30	Biased	3299.7	3302.2	0.0025
27	30	Unbiased	3302.9	3299.2	-0.0037
28	30	Unbiased	3292.4	3290.9	-0.0015
29	30	Unbiased	3311.7	3315.3	0.0036
30	30	Unbiased	3311	3308.6	-0.0024
31	30	Unbiased	3293.4	3294.4	0.001
32	50	Biased	3300.8	3297.7	-0.0031
33	50	Biased	3289.1	3283.9	-0.0052
34	50	Biased	3302.6	3301.1	-0.0015
35	50	Biased	3307.2	3313.6	0.0064
36	50	Biased	3301.1	3300	-0.0011
37	50	Unbiased	3294.1	3288.1	-0.006
39	50	Unbiased	3282.9	3286.3	0.0034
40	50	Unbiased	3293.8	3300.4	0.0066
41	50	Unbiased	3309	3304.5	-0.0045
42	50	Unbiased	3287.2	3291.5	0.0043
43	100	Biased	3287.7	3295	0.0073
44	100	Biased	3303.8	3299.3	-0.0045
45	100	Biased	3287.4	3288.9	0.0015
46	100	Biased	3299.5	3296.2	-0.0033
47	100	Biased	3299.7	3298.1	-0.0016
48	100	Unbiased	3303.9	3301.2	-0.0027
49	100	Unbiased	3305.3	3309.7	0.0044
50	100	Unbiased	3299	3300.6	0.0016
51	100	Unbiased	3319.2	3315.3	-0.0039
52	100	Unbiased	3301.6	3298	-0.0036
53	0	Correlation	3304.6	3304.6	0
54	0	Correlation	3295.7	3295.8	0.0001
55	0	Correlation	3301.9	3301.9	0
56	0	Correlation	3292.4	3292.4	0

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	3292.4	3298.7	3304.6	5.5896	3292.4	3298.7	3304.6	5.5722	0	2.5e-05	0.0001	5e-05
3	3284.6	3299.3	3312	9.6271	3284	3298.9	3311.3	9.5394	-0.0014	-0.00042	0.0009	0.00070522
10	3279.1	3300.6	3313.5	9.2171	3280.6	3299.8	3313.4	8.4249	-0.0055	-0.00077	0.0015	0.0019454
30	3279.6	3299	3313.9	11.452	3283.8	3298.7	3315.3	10.339	-0.0052	-0.00033	0.0042	0.0031468
50	3282.9	3296.8	3309	8.731	3283.9	3296.7	3313.6	9.2159	-0.006	-7e-05	0.0066	0.0048406
100	3287.4	3300.7	3319.2	9.0387	3288.9	3300.2	3315.3	7.4551	-0.0045	-0.00048	0.0073	0.0040044

Device Test: 6.120; VOL_RESET_10MA





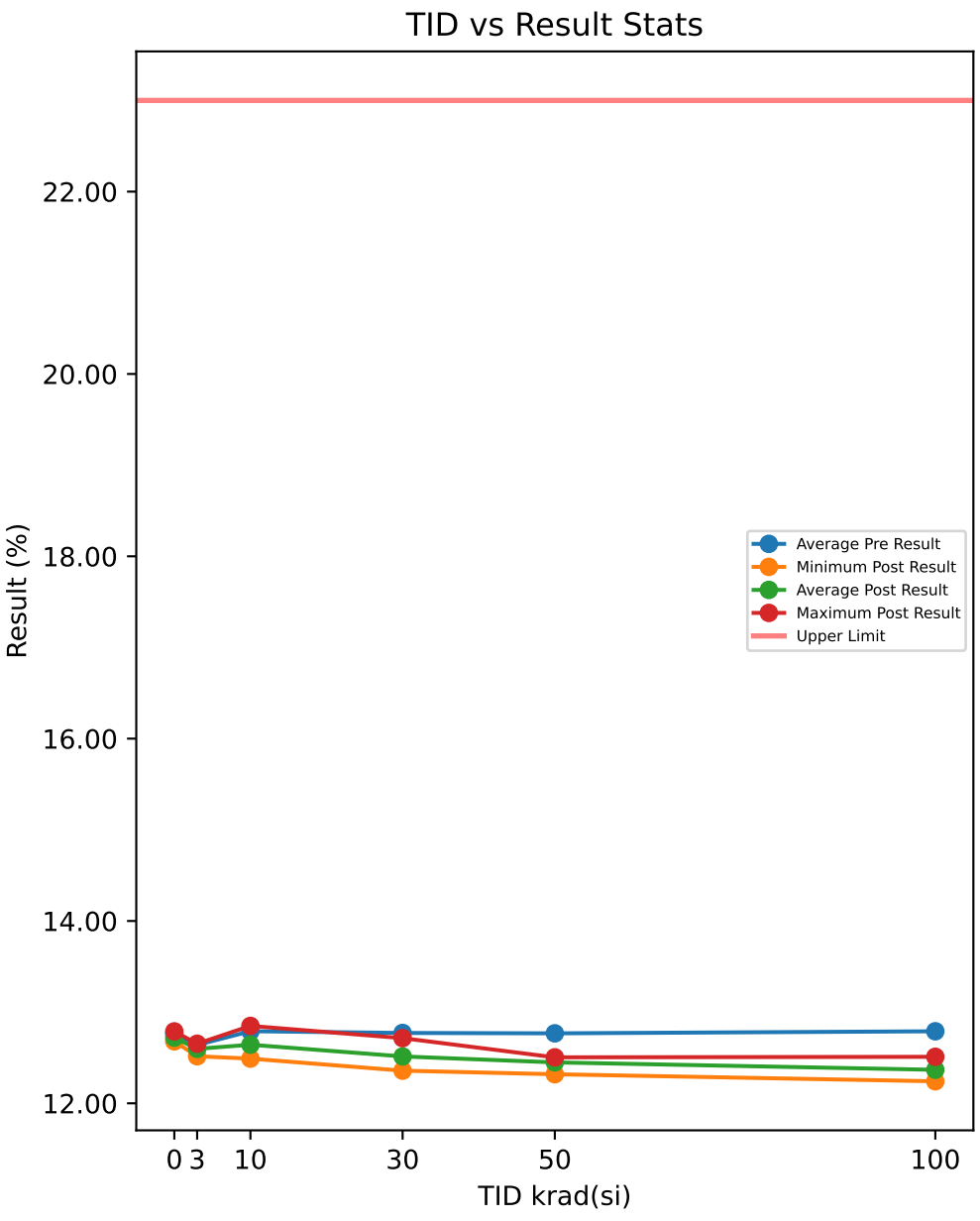
Test Results (Upper Limit = 23.0 (%))

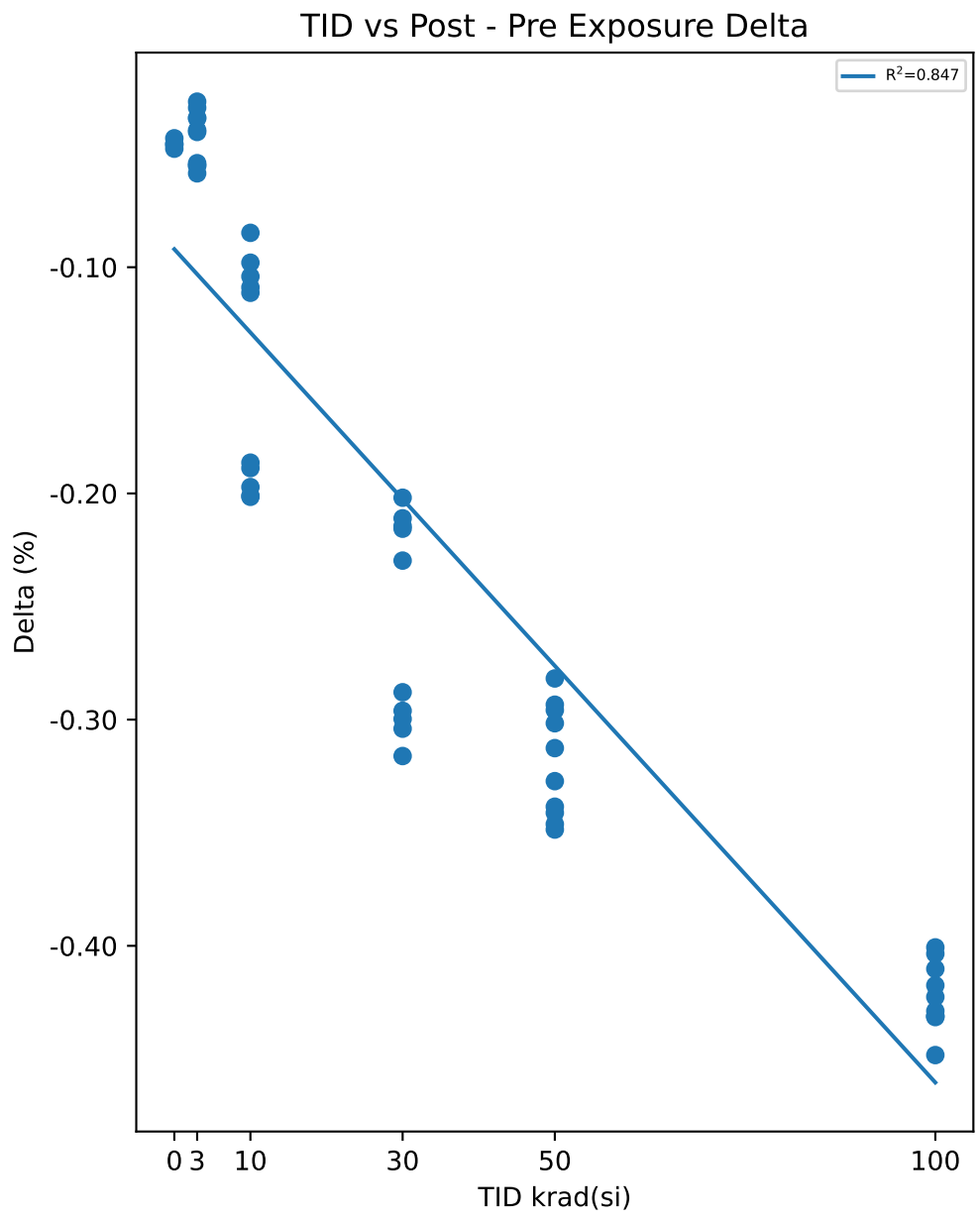
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.855	12.823	-0.0318
3	3	Biased	12.845	12.798	-0.0467
4	3	Biased	12.806	12.763	-0.0431
5	3	Biased	13.022	12.97	-0.0522
6	3	Biased	12.802	12.747	-0.0543
7	3	Unbiased	12.831	12.806	-0.0244
8	3	Unbiased	12.927	12.905	-0.0216
9	3	Unbiased	12.894	12.865	-0.029
10	3	Unbiased	12.795	12.775	-0.0196
11	3	Unbiased	12.973	12.933	-0.0394
12	10	Unbiased	13.078	12.982	-0.0958
13	10	Unbiased	12.981	12.898	-0.083
14	10	Unbiased	13.036	12.934	-0.1019
15	10	Unbiased	13.051	12.944	-0.1071
16	10	Unbiased	12.863	12.768	-0.0952
17	10	Biased	12.809	12.633	-0.1754
18	10	Biased	12.873	12.684	-0.1888
19	10	Biased	13.221	13.027	-0.1946
20	10	Biased	12.899	12.703	-0.1958
21	10	Biased	12.987	12.792	-0.1943
22	30	Biased	13.021	12.734	-0.287
23	30	Biased	13.032	12.731	-0.3007
24	30	Biased	13.062	12.769	-0.2931
25	30	Biased	12.888	12.571	-0.3169
26	30	Biased	12.928	12.636	-0.2928
27	30	Unbiased	13.011	12.797	-0.2144
28	30	Unbiased	13.077	12.881	-0.1958
29	30	Unbiased	12.982	12.762	-0.2199
30	30	Unbiased	12.922	12.707	-0.2145
31	30	Unbiased	13.006	12.79	-0.2159
32	50	Biased	12.977	12.638	-0.3389
33	50	Biased	12.933	12.603	-0.33
34	50	Biased	12.984	12.644	-0.3401
35	50	Biased	12.985	12.638	-0.3474
36	50	Biased	13.165	12.822	-0.3428
37	50	Unbiased	12.964	12.679	-0.2858
39	50	Unbiased	12.989	12.681	-0.3084
40	50	Unbiased	12.908	12.619	-0.2885
41	50	Unbiased	13.158	12.853	-0.3053
42	50	Unbiased	13.064	12.768	-0.2956
43	100	Biased	12.9	12.468	-0.4315
44	100	Biased	12.884	12.46	-0.4243
45	100	Biased	13.113	12.674	-0.4395
46	100	Biased	12.952	12.522	-0.4301
47	100	Biased	12.994	12.562	-0.4312
48	100	Unbiased	12.977	12.566	-0.4105
49	100	Unbiased	12.996	12.557	-0.4395
50	100	Unbiased	12.998	12.581	-0.4163
51	100	Unbiased	12.942	12.54	-0.4023
52	100	Unbiased	13.085	12.667	-0.4184
53	0	Correlation	12.943	12.901	-0.0418
54	0	Correlation	12.978	12.935	-0.0431
55	0	Correlation	12.855	12.808	-0.0464
56	0	Correlation	12.982	12.934	-0.0482

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	12.855	12.939	12.982	0.059142	12.808	12.894	12.935	0.059591	-0.0482	-0.044875	-0.0418	0.0029432
3	12.795	12.875	13.022	0.077444	12.747	12.838	12.97	0.076199	-0.0543	-0.03621	-0.0196	0.012697
10	12.809	12.98	13.221	0.12344	12.633	12.837	13.027	0.13796	-0.1958	-0.14319	-0.083	0.049799
30	12.888	12.993	13.077	0.062294	12.571	12.738	12.881	0.086552	-0.3169	-0.2551	-0.1958	0.046402
50	12.908	13.013	13.165	0.088252	12.603	12.694	12.853	0.088353	-0.3474	-0.31828	-0.2858	0.02406
100	12.884	12.984	13.113	0.072474	12.46	12.56	12.674	0.070827	-0.4395	-0.42436	-0.4023	0.012331

Device Test: 6.121; VOL_RESET_10MA





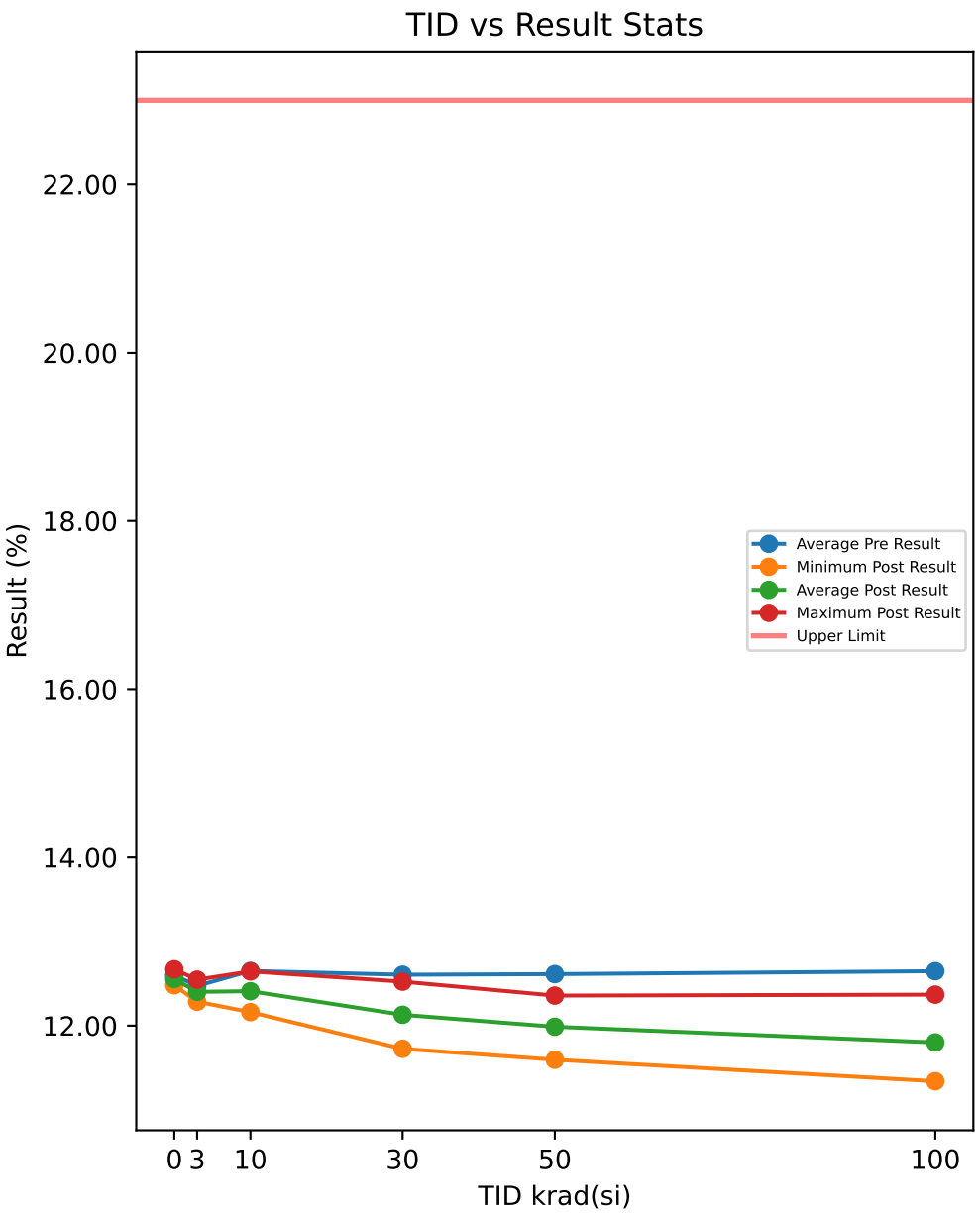
Test Results (Upper Limit = 23.0 (%))

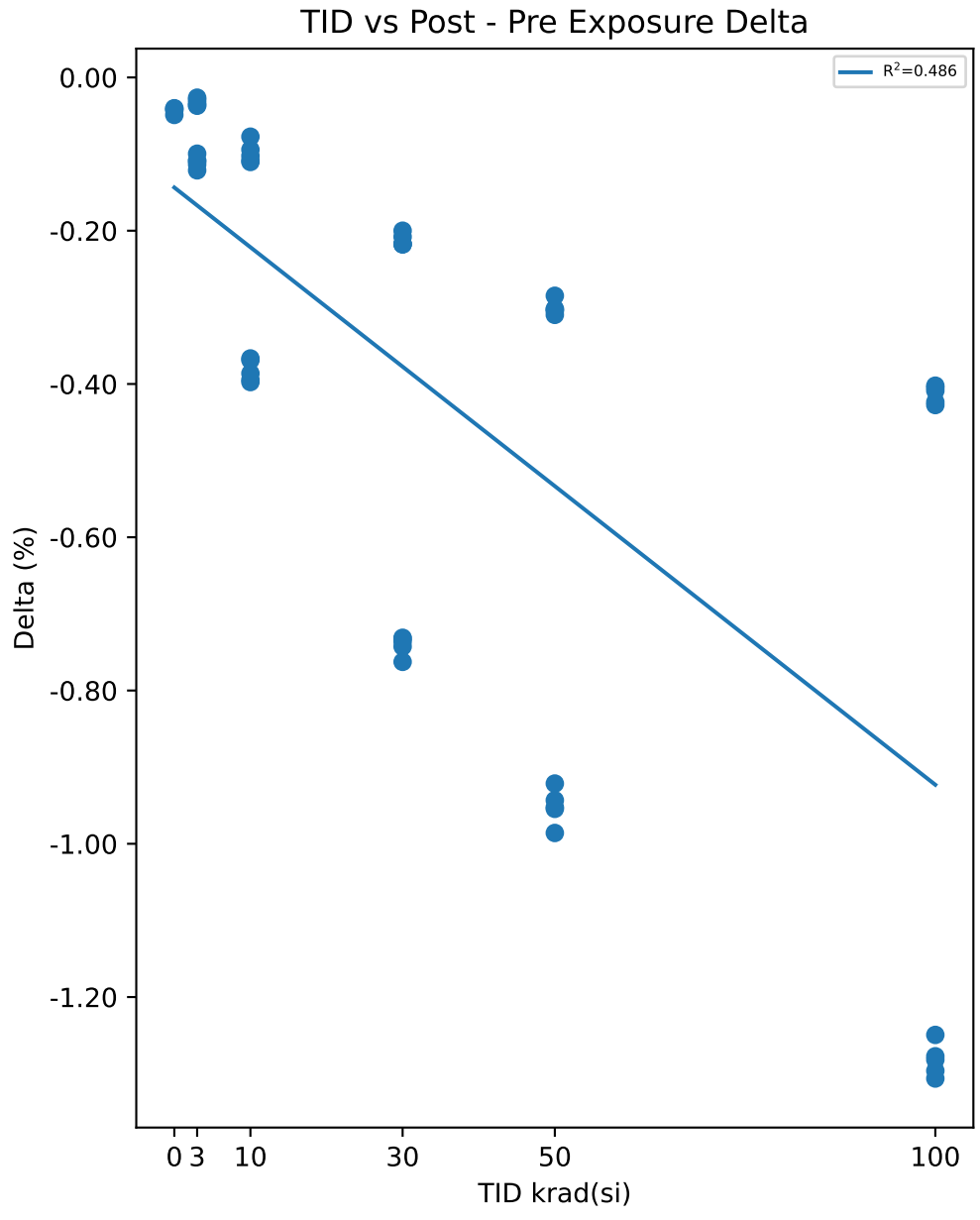
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.556	12.516	-0.0402
3	3	Biased	12.706	12.652	-0.054
4	3	Biased	12.615	12.56	-0.0549
5	3	Biased	12.674	12.616	-0.0585
6	3	Biased	12.642	12.587	-0.0552
7	3	Unbiased	12.626	12.592	-0.0339
8	3	Unbiased	12.593	12.566	-0.0268
9	3	Unbiased	12.657	12.618	-0.0394
10	3	Unbiased	12.643	12.614	-0.0295
11	3	Unbiased	12.688	12.653	-0.0342
12	10	Unbiased	12.771	12.673	-0.098
13	10	Unbiased	12.786	12.702	-0.0848
14	10	Unbiased	12.791	12.687	-0.1041
15	10	Unbiased	12.708	12.597	-0.1113
16	10	Unbiased	12.818	12.709	-0.1089
17	10	Biased	12.73	12.541	-0.1888
18	10	Biased	12.818	12.617	-0.201
19	10	Biased	13.046	12.849	-0.1972
20	10	Biased	12.692	12.49	-0.2015
21	10	Biased	12.747	12.561	-0.1864
22	30	Biased	12.818	12.522	-0.2961
23	30	Biased	12.83	12.526	-0.304
24	30	Biased	12.756	12.468	-0.2879
25	30	Biased	12.674	12.358	-0.3161
26	30	Biased	12.734	12.434	-0.2997
27	30	Unbiased	12.776	12.565	-0.211
28	30	Unbiased	12.77	12.568	-0.2019
29	30	Unbiased	12.701	12.485	-0.2156
30	30	Unbiased	12.714	12.5	-0.2144
31	30	Unbiased	12.944	12.715	-0.2297
32	50	Biased	12.772	12.433	-0.3385
33	50	Biased	12.646	12.319	-0.3272
34	50	Biased	12.74	12.399	-0.3412
35	50	Biased	12.809	12.46	-0.3486
36	50	Biased	12.851	12.504	-0.3462
37	50	Unbiased	12.724	12.442	-0.2818
39	50	Unbiased	12.811	12.499	-0.3126
40	50	Unbiased	12.795	12.499	-0.2958
41	50	Unbiased	12.756	12.454	-0.3016
42	50	Unbiased	12.772	12.479	-0.2934
43	100	Biased	12.885	12.437	-0.4483
44	100	Biased	12.717	12.286	-0.4309
45	100	Biased	12.813	12.382	-0.4315
46	100	Biased	12.803	12.372	-0.4312
47	100	Biased	12.867	12.438	-0.4288
48	100	Unbiased	12.684	12.283	-0.4007
49	100	Unbiased	12.664	12.242	-0.4226
50	100	Unbiased	12.729	12.326	-0.4035
51	100	Unbiased	12.928	12.51	-0.4175
52	100	Unbiased	12.81	12.399	-0.4102
53	0	Correlation	12.726	12.683	-0.043
54	0	Correlation	12.775	12.729	-0.0455
55	0	Correlation	12.725	12.68	-0.0458
56	0	Correlation	12.836	12.789	-0.0476

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	12.725	12.766	12.836	0.05254	12.68	12.72	12.789	0.051059	-0.0476	-0.045475	-0.043	0.0018927
3	12.556	12.64	12.706	0.044881	12.516	12.597	12.653	0.042488	-0.0585	-0.04266	-0.0268	0.011908
10	12.692	12.791	13.046	0.099627	12.49	12.643	12.849	0.10345	-0.2015	-0.1482	-0.0848	0.050031
30	12.674	12.772	12.944	0.078153	12.358	12.514	12.715	0.094229	-0.3161	-0.25764	-0.2019	0.046465
50	12.646	12.768	12.851	0.056603	12.319	12.449	12.504	0.05661	-0.3486	-0.31869	-0.2818	0.024668
100	12.664	12.79	12.928	0.08881	12.242	12.367	12.51	0.083398	-0.4483	-0.42252	-0.4007	0.014701

Device Test: 6.122; VOL_RESET_10MA





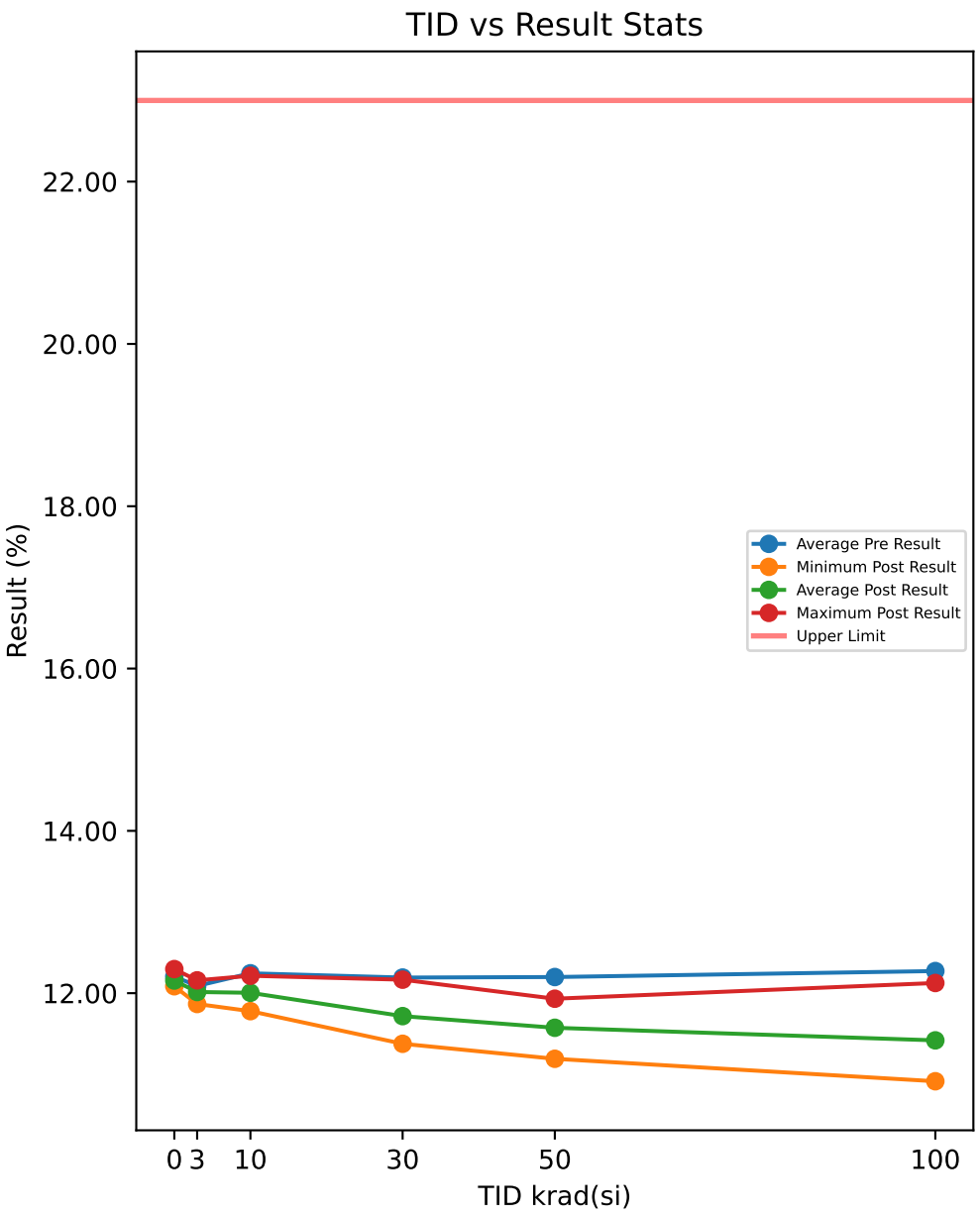
Test Results (Upper Limit = 23.0 (%))

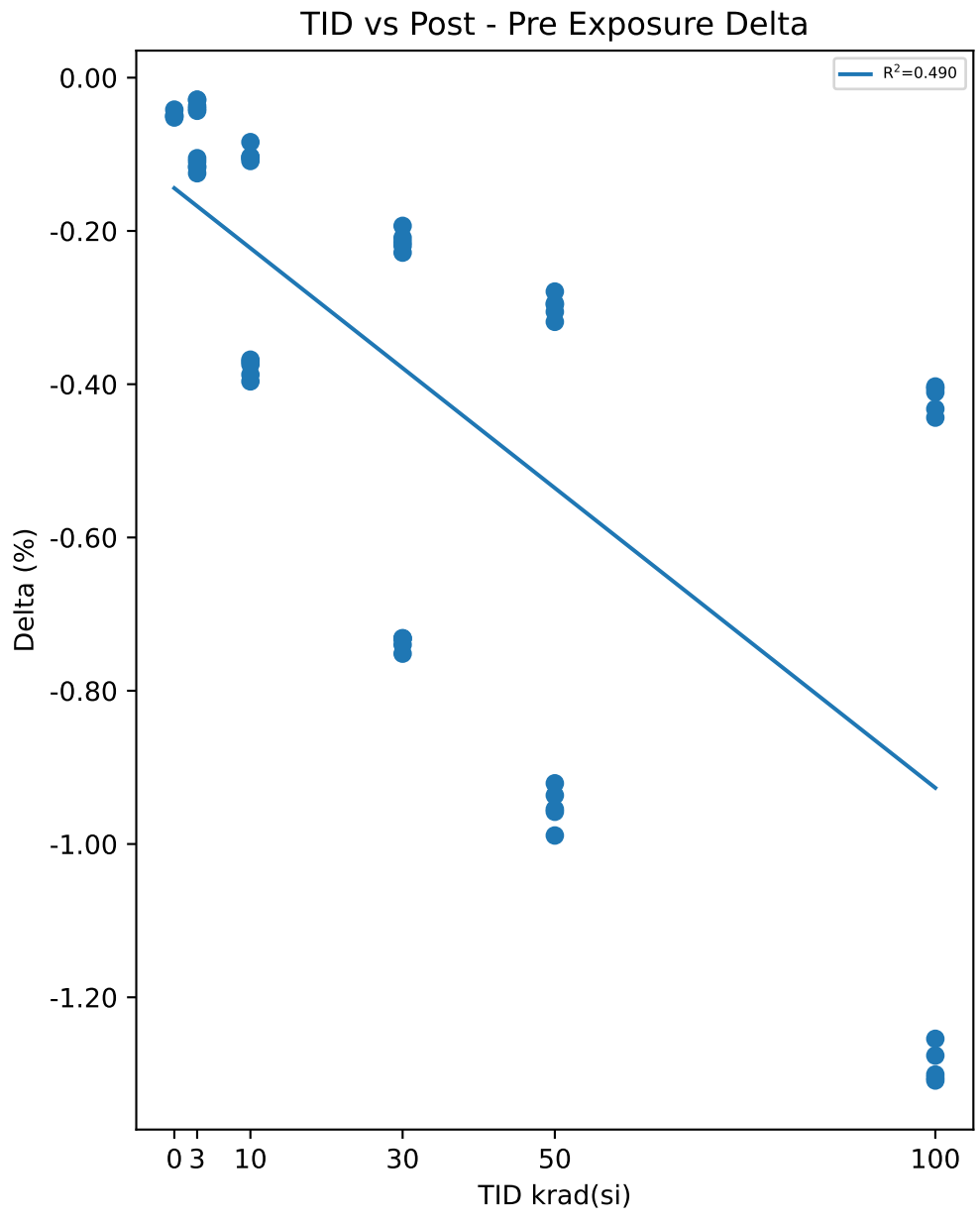
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.387	12.288	-0.0995
3	3	Biased	12.56	12.439	-0.1212
4	3	Biased	12.393	12.285	-0.1086
5	3	Biased	12.554	12.445	-0.109
6	3	Biased	12.398	12.285	-0.1135
7	3	Unbiased	12.389	12.36	-0.0289
8	3	Unbiased	12.47	12.443	-0.0264
9	3	Unbiased	12.583	12.547	-0.036
10	3	Unbiased	12.453	12.42	-0.0329
11	3	Unbiased	12.543	12.507	-0.0369
12	10	Unbiased	12.667	12.573	-0.0942
13	10	Unbiased	12.723	12.645	-0.0773
14	10	Unbiased	12.58	12.477	-0.1023
15	10	Unbiased	12.601	12.493	-0.1084
16	10	Unbiased	12.668	12.558	-0.1103
17	10	Biased	12.61	12.244	-0.3667
18	10	Biased	12.651	12.253	-0.3975
19	10	Biased	12.864	12.477	-0.3862
20	10	Biased	12.555	12.161	-0.3945
21	10	Biased	12.587	12.218	-0.3688
22	30	Biased	12.664	11.928	-0.7361
23	30	Biased	12.684	11.953	-0.7312
24	30	Biased	12.584	11.852	-0.7323
25	30	Biased	12.487	11.725	-0.7626
26	30	Biased	12.596	11.854	-0.7426
27	30	Unbiased	12.592	12.384	-0.2079
28	30	Unbiased	12.583	12.383	-0.2
29	30	Unbiased	12.519	12.301	-0.2175
30	30	Unbiased	12.606	12.388	-0.2179
31	30	Unbiased	12.741	12.523	-0.2171
32	50	Biased	12.609	11.666	-0.9432
33	50	Biased	12.516	11.594	-0.9214
34	50	Biased	12.572	11.62	-0.9524
35	50	Biased	12.707	11.721	-0.9859
36	50	Biased	12.677	11.723	-0.9544
37	50	Unbiased	12.547	12.262	-0.2849
39	50	Unbiased	12.624	12.315	-0.3098
40	50	Unbiased	12.66	12.357	-0.3028
41	50	Unbiased	12.612	12.307	-0.3047
42	50	Unbiased	12.603	12.301	-0.302
43	100	Biased	12.811	11.515	-1.2962
44	100	Biased	12.645	11.338	-1.3063
45	100	Biased	12.664	11.386	-1.2773
46	100	Biased	12.659	11.41	-1.2494
47	100	Biased	12.664	11.382	-1.2818
48	100	Unbiased	12.52	12.115	-0.4049
49	100	Unbiased	12.55	12.122	-0.4275
50	100	Unbiased	12.543	12.141	-0.4022
51	100	Unbiased	12.792	12.369	-0.4235
52	100	Unbiased	12.63	12.221	-0.4088
53	0	Correlation	12.524	12.481	-0.0428
54	0	Correlation	12.617	12.576	-0.0402
55	0	Correlation	12.543	12.494	-0.0489
56	0	Correlation	12.711	12.67	-0.0407

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	12.524	12.598	12.711	0.085019	12.481	12.555	12.67	0.087524	-0.0489	-0.04315	-0.0402	0.0039954
3	12.387	12.473	12.583	0.08032	12.285	12.402	12.547	0.094017	-0.1212	-0.07129	-0.0264	0.041629
10	12.555	12.651	12.864	0.090266	12.161	12.41	12.645	0.17346	-0.3975	-0.24062	-0.0773	0.15038
30	12.487	12.606	12.741	0.074988	11.725	12.129	12.523	0.29243	-0.7626	-0.47652	-0.2	0.27893
50	12.516	12.613	12.707	0.05859	11.594	11.987	12.357	0.34219	-0.9859	-0.62615	-0.2849	0.34332
100	12.52	12.648	12.811	0.097366	11.338	11.8	12.369	0.42333	-1.3063	-0.84779	-0.4022	0.4582

Device Test: 6.123; VOL_RESET_10MA





Test Results (Upper Limit = 23.0 (%))

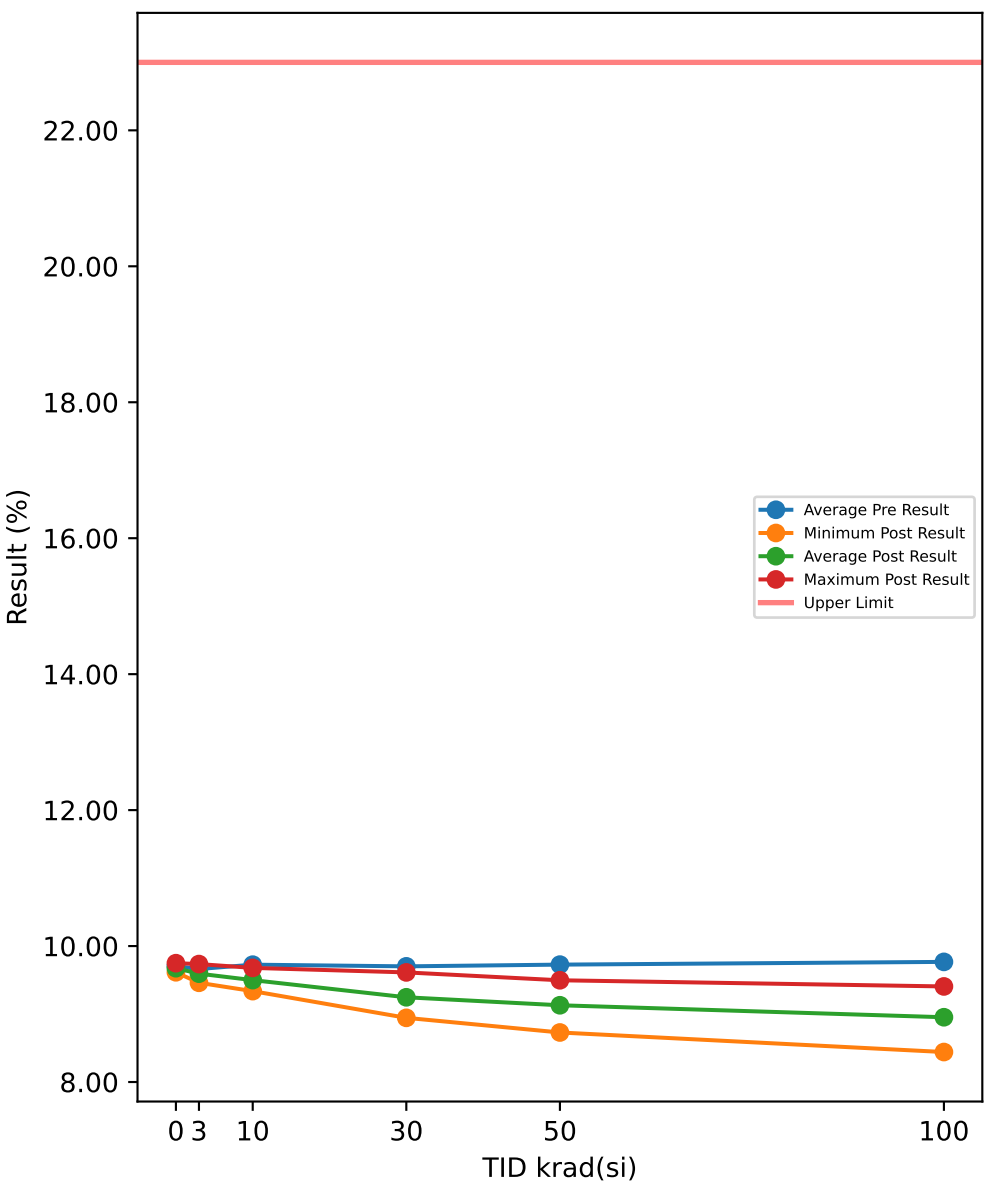
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.025	11.92	-0.1051
3	3	Biased	12.214	12.089	-0.1247
4	3	Biased	11.976	11.867	-0.1094
5	3	Biased	12.18	12.062	-0.1172
6	3	Biased	11.993	11.877	-0.1155
7	3	Unbiased	11.989	11.952	-0.0371
8	3	Unbiased	12.054	12.025	-0.029
9	3	Unbiased	12.198	12.158	-0.0405
10	3	Unbiased	12.065	12.036	-0.0287
11	3	Unbiased	12.201	12.158	-0.0432
12	10	Unbiased	12.247	12.143	-0.1039
13	10	Unbiased	12.242	12.158	-0.0841
14	10	Unbiased	12.172	12.069	-0.1033
15	10	Unbiased	12.133	12.027	-0.1053
16	10	Unbiased	12.323	12.214	-0.1087
17	10	Biased	12.269	11.901	-0.368
18	10	Biased	12.277	11.889	-0.3875
19	10	Biased	12.41	12.036	-0.3742
20	10	Biased	12.175	11.778	-0.3963
21	10	Biased	12.202	11.831	-0.3706
22	30	Biased	12.223	11.483	-0.7399
23	30	Biased	12.266	11.535	-0.7315
24	30	Biased	12.157	11.425	-0.732
25	30	Biased	12.128	11.376	-0.7516
26	30	Biased	12.151	11.419	-0.7317
27	30	Unbiased	12.192	11.978	-0.2146
28	30	Unbiased	12.206	12.013	-0.1934
29	30	Unbiased	12.081	11.862	-0.2193
30	30	Unbiased	12.124	11.915	-0.2089
31	30	Unbiased	12.395	12.166	-0.2283
32	50	Biased	12.213	11.276	-0.9365
33	50	Biased	12.133	11.212	-0.9208
34	50	Biased	12.146	11.191	-0.9546
35	50	Biased	12.298	11.309	-0.9889
36	50	Biased	12.272	11.314	-0.9579
37	50	Unbiased	12.108	11.829	-0.2791
39	50	Unbiased	12.25	11.932	-0.3186
40	50	Unbiased	12.175	11.881	-0.2946
41	50	Unbiased	12.205	11.9	-0.3055
42	50	Unbiased	12.188	11.892	-0.2961
43	100	Biased	12.403	11.094	-1.3086
44	100	Biased	12.22	10.915	-1.3052
45	100	Biased	12.243	10.967	-1.2761
46	100	Biased	12.242	10.988	-1.2542
47	100	Biased	12.355	11.054	-1.3007
48	100	Unbiased	12.119	11.708	-0.4105
49	100	Unbiased	12.212	11.78	-0.4323
50	100	Unbiased	12.15	11.745	-0.4055
51	100	Unbiased	12.569	12.125	-0.4436
52	100	Unbiased	12.21	11.807	-0.403
53	0	Correlation	12.136	12.094	-0.0417
54	0	Correlation	12.2	12.148	-0.052
55	0	Correlation	12.135	12.085	-0.0493
56	0	Correlation	12.347	12.297	-0.05

Test Statistics (%)

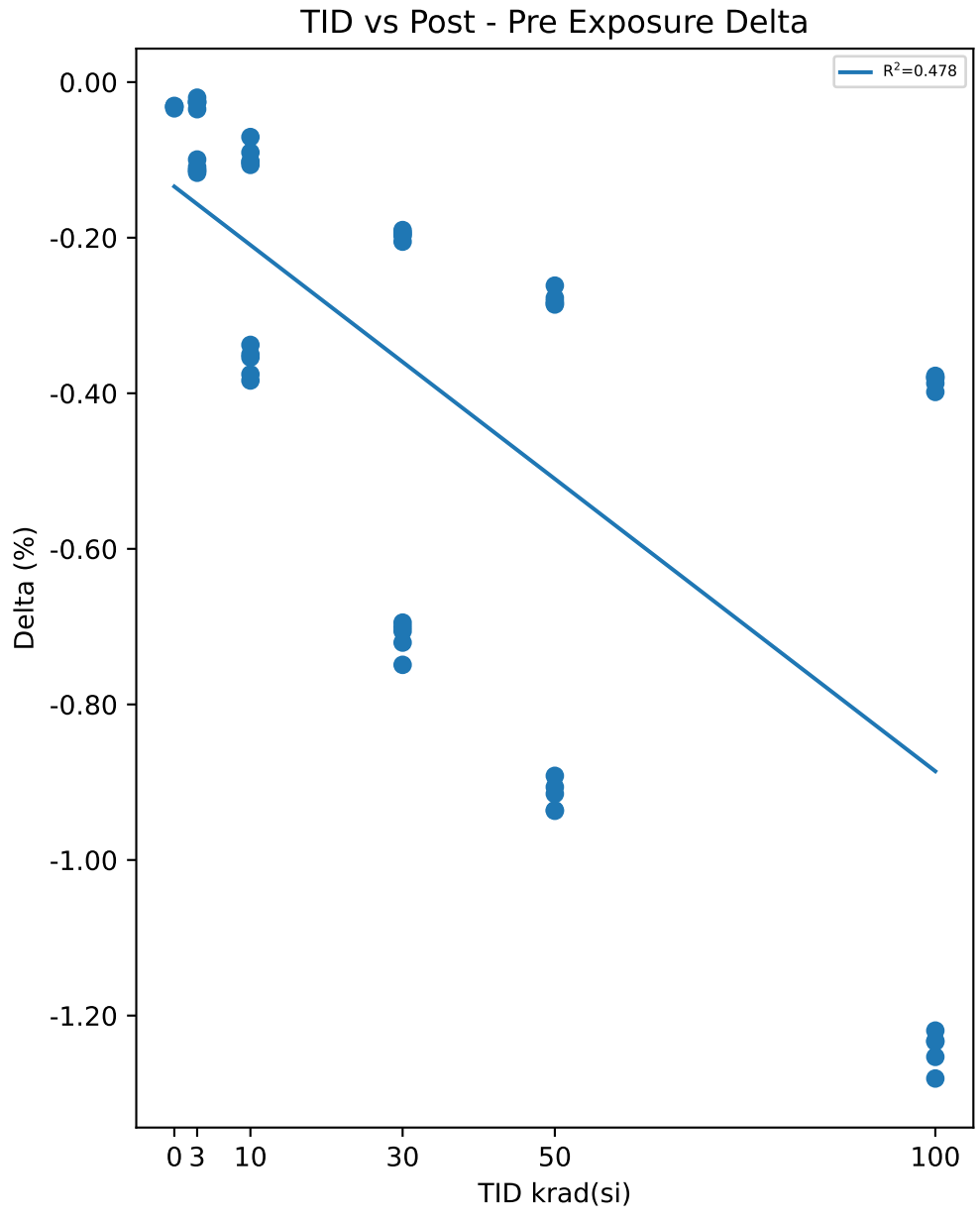
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.135	12.204	12.347	0.099698	12.085	12.156	12.297	0.097748	-0.052	-0.04825	-0.0417	0.0045141
3	11.976	12.089	12.214	0.097859	11.867	12.014	12.158	0.10702	-0.1247	-0.07504	-0.0287	0.042003
10	12.133	12.245	12.41	0.081366	11.778	12.005	12.214	0.14815	-0.3963	-0.24019	-0.0841	0.14702
30	12.081	12.192	12.395	0.089255	11.376	11.717	12.166	0.29735	-0.7516	-0.47512	-0.1934	0.2766
50	12.108	12.199	12.298	0.061666	11.191	11.574	11.932	0.33302	-0.9889	-0.62526	-0.2791	0.3447
100	12.119	12.272	12.569	0.13427	10.915	11.418	12.125	0.45365	-1.3086	-0.85397	-0.403	0.45894

Device Test: 6.124; VOL_WDO_10MA

TID vs Result Stats



TID vs Post - Pre Exposure Delta



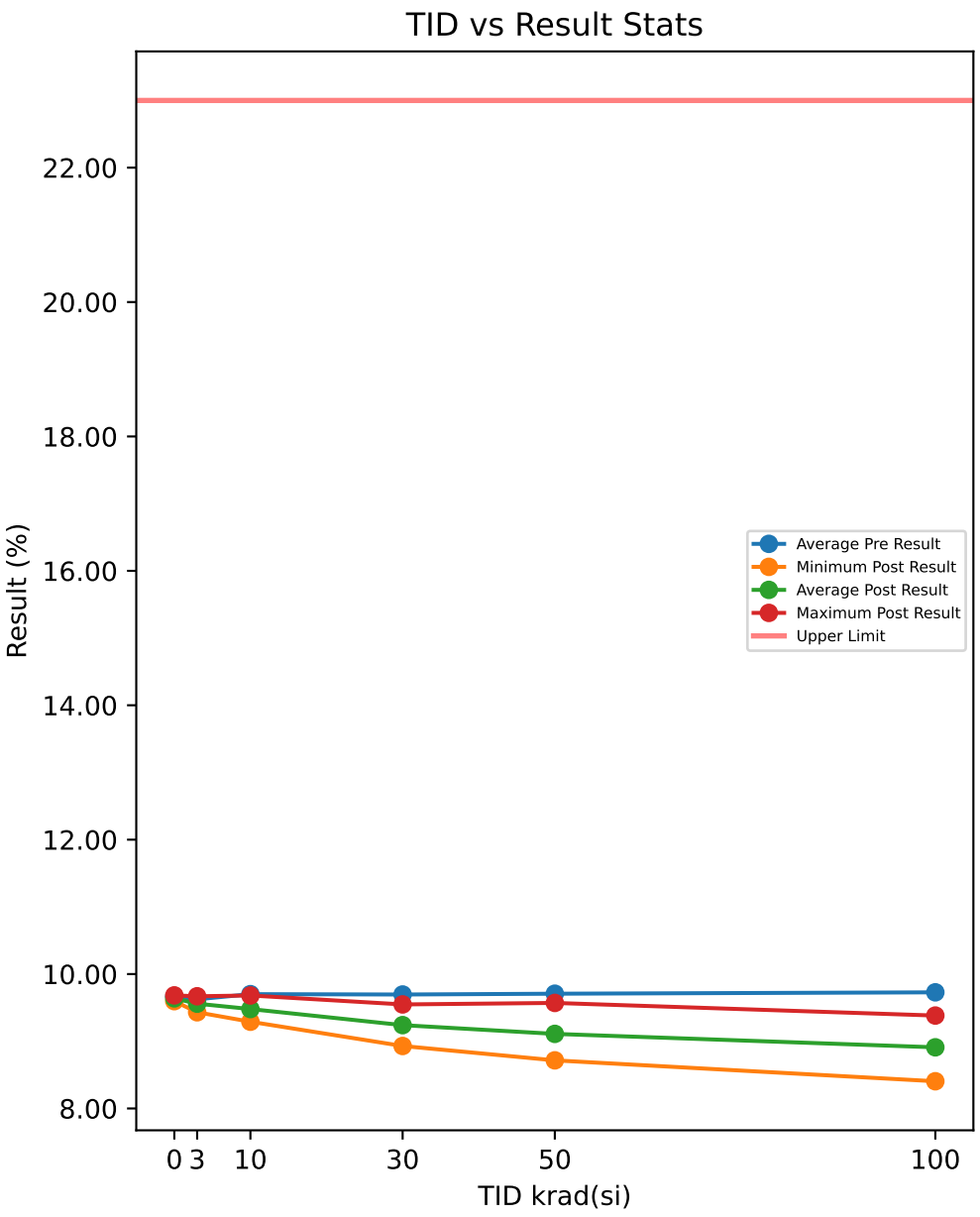
Test Results (Upper Limit = 23.0 (%))

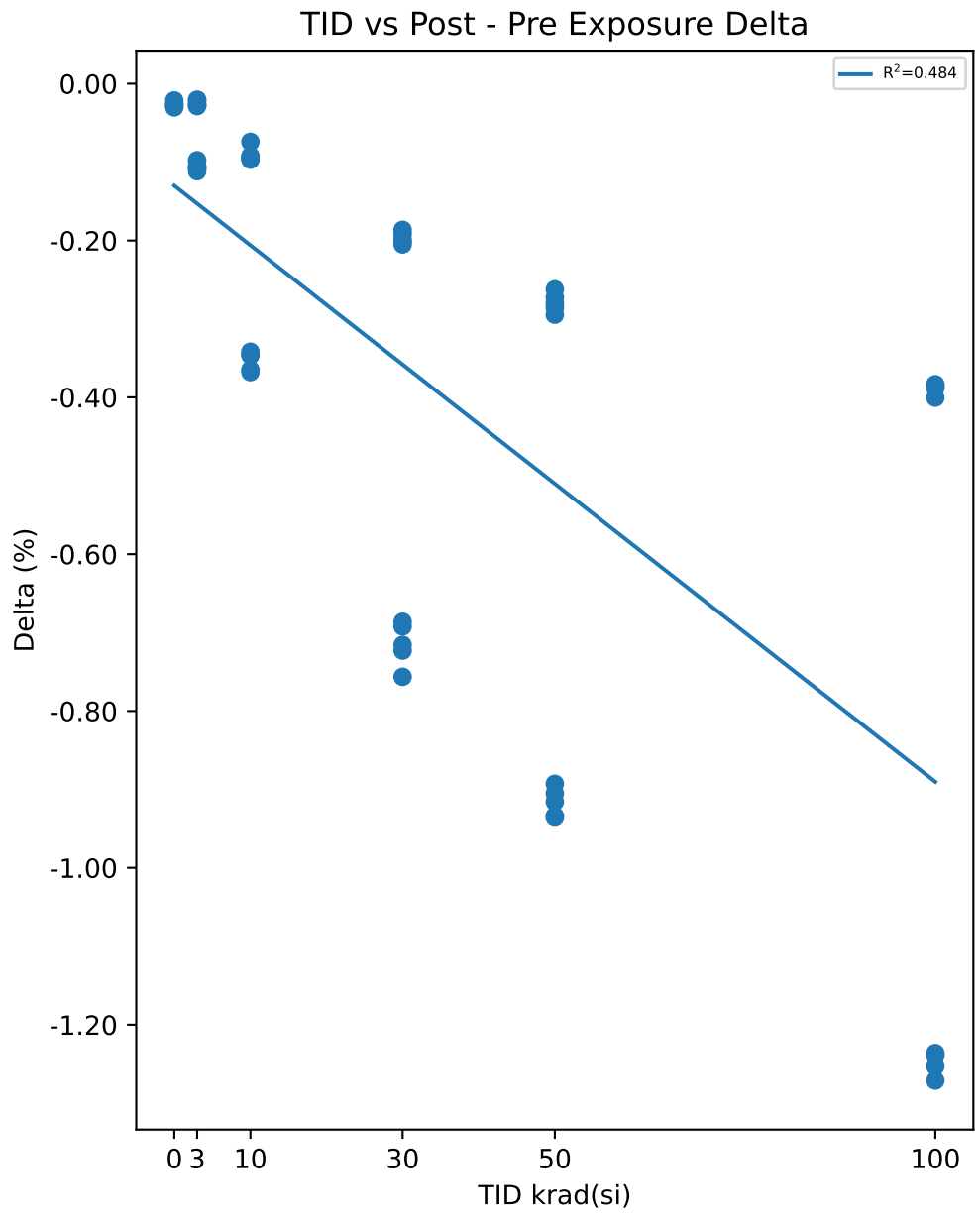
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	9.5731	9.4736	-0.0995
3	3	Biased	9.7076	9.5911	-0.1165
4	3	Biased	9.5689	9.4598	-0.1091
5	3	Biased	9.6591	9.5463	-0.1128
6	3	Biased	9.6591	9.5453	-0.1138
7	3	Unbiased	9.6923	9.6672	-0.0251
8	3	Unbiased	9.653	9.633	-0.02
9	3	Unbiased	9.7698	9.735	-0.0348
10	3	Unbiased	9.6914	9.6657	-0.0257
11	3	Unbiased	9.6478	9.6217	-0.0261
12	10	Unbiased	9.7448	9.6544	-0.0904
13	10	Unbiased	9.6859	9.6153	-0.0706
14	10	Unbiased	9.6588	9.5569	-0.1019
15	10	Unbiased	9.6911	9.5847	-0.1064
16	10	Unbiased	9.7817	9.6788	-0.1029
17	10	Biased	9.8058	9.4519	-0.3539
18	10	Biased	9.7408	9.3652	-0.3756
19	10	Biased	9.7259	9.3881	-0.3378
20	10	Biased	9.7408	9.3572	-0.3836
21	10	Biased	9.6872	9.3371	-0.3501
22	30	Biased	9.6646	8.9441	-0.7205
23	30	Biased	9.6808	8.9804	-0.7004
24	30	Biased	9.6865	8.9807	-0.7058
25	30	Biased	9.7271	8.978	-0.7491
26	30	Biased	9.7039	9.0091	-0.6948
27	30	Unbiased	9.6859	9.4928	-0.1931
28	30	Unbiased	9.7676	9.5774	-0.1902
29	30	Unbiased	9.664	9.4589	-0.2051
30	30	Unbiased	9.6262	9.4308	-0.1954
31	30	Unbiased	9.81	9.6125	-0.1975
32	50	Biased	9.7314	8.7953	-0.9361
33	50	Biased	9.7076	8.8158	-0.8918
34	50	Biased	9.635	8.7288	-0.9062
35	50	Biased	9.7323	8.7956	-0.9367
36	50	Biased	9.8061	8.8912	-0.9149
37	50	Unbiased	9.6478	9.3862	-0.2616
39	50	Unbiased	9.7186	9.4327	-0.2859
40	50	Unbiased	9.7375	9.4601	-0.2774
41	50	Unbiased	9.7743	9.4895	-0.2848
42	50	Unbiased	9.7786	9.4968	-0.2818
43	100	Biased	9.8545	8.621	-1.2335
44	100	Biased	9.6942	8.4411	-1.2531
45	100	Biased	9.7579	8.5254	-1.2325
46	100	Biased	9.8122	8.5929	-1.2193
47	100	Biased	9.853	8.5721	-1.2809
48	100	Unbiased	9.6768	9.2992	-0.3776
49	100	Unbiased	9.7219	9.3236	-0.3983
50	100	Unbiased	9.7417	9.3621	-0.3796
51	100	Unbiased	9.7933	9.4061	-0.3872
52	100	Unbiased	9.7667	9.3859	-0.3808
53	0	Correlation	9.7161	9.6855	-0.0306
54	0	Correlation	9.6481	9.6144	-0.0337
55	0	Correlation	9.6804	9.6492	-0.0312
56	0	Correlation	9.7795	9.7481	-0.0314

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	9.6481	9.706	9.7795	0.056309	9.6144	9.6743	9.7481	0.057125	-0.0337	-0.031725	-0.0306	0.0013598
3	9.5689	9.6622	9.7698	0.059956	9.4598	9.5939	9.735	0.088084	-0.1165	-0.06834	-0.02	0.044633
10	9.6588	9.7263	9.8058	0.046078	9.3371	9.499	9.6788	0.1331	-0.3836	-0.22732	-0.0706	0.14097
30	9.6262	9.7017	9.81	0.05389	8.9441	9.2465	9.6125	0.28762	-0.7491	-0.45519	-0.1902	0.27335
50	9.635	9.7269	9.8061	0.054261	8.7288	9.1292	9.4968	0.34489	-0.9367	-0.59772	-0.2616	0.33701
100	9.6768	9.7672	9.8545	0.061445	8.4411	8.9529	9.4061	0.4278	-1.2809	-0.81428	-0.3776	0.45313

Device Test: 6.125; VOL_PWRGD_10MA





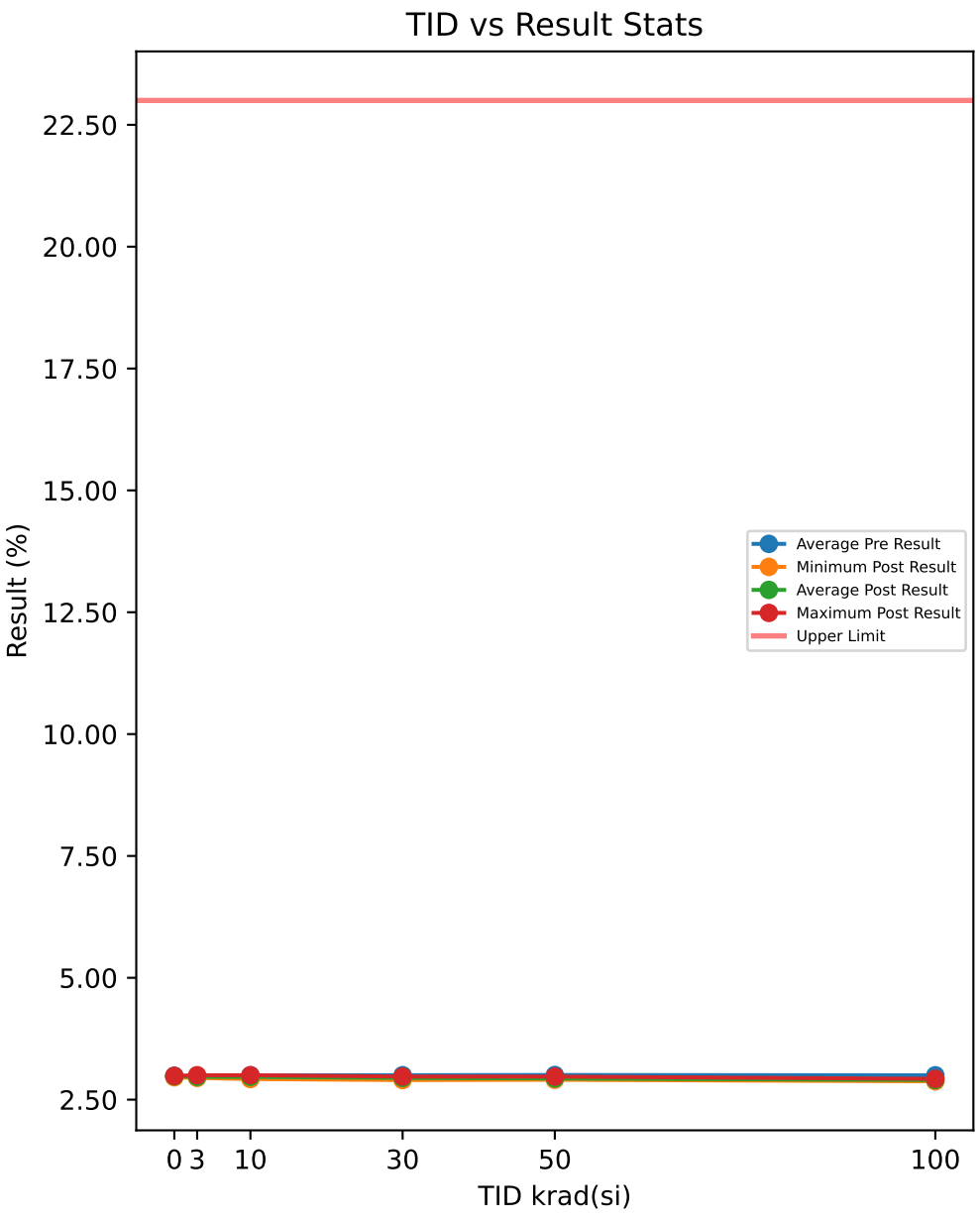
Test Results (Upper Limit = 23.0 (%))

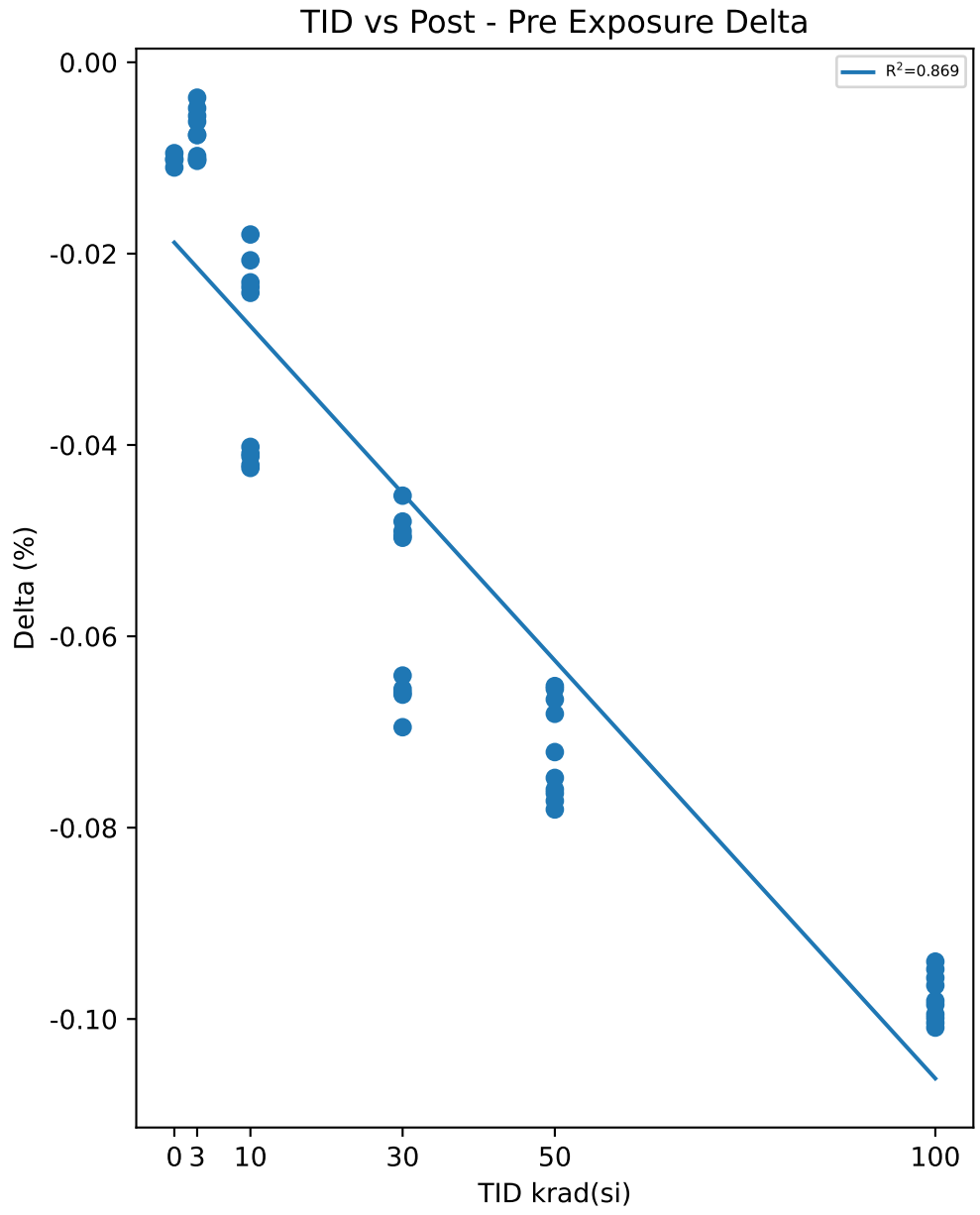
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	9.5775	9.4799	-0.0976
3	3	Biased	9.655	9.5434	-0.1116
4	3	Biased	9.5369	9.4314	-0.1055
5	3	Biased	9.6263	9.5184	-0.1079
6	3	Biased	9.5869	9.4802	-0.1067
7	3	Unbiased	9.6571	9.6315	-0.0256
8	3	Unbiased	9.6046	9.5833	-0.0213
9	3	Unbiased	9.6971	9.6696	-0.0275
10	3	Unbiased	9.6821	9.6617	-0.0204
11	3	Unbiased	9.6232	9.5946	-0.0286
12	10	Unbiased	9.7529	9.658	-0.0949
13	10	Unbiased	9.7556	9.6815	-0.0741
14	10	Unbiased	9.6461	9.5516	-0.0945
15	10	Unbiased	9.6964	9.5995	-0.0969
16	10	Unbiased	9.7013	9.6092	-0.0921
17	10	Biased	9.7004	9.3555	-0.3449
18	10	Biased	9.6556	9.2908	-0.3648
19	10	Biased	9.7565	9.4147	-0.3418
20	10	Biased	9.6687	9.3009	-0.3678
21	10	Biased	9.6784	9.332	-0.3464
22	30	Biased	9.6528	8.9298	-0.723
23	30	Biased	9.6644	8.9722	-0.6922
24	30	Biased	9.7489	9.0332	-0.7157
25	30	Biased	9.7398	8.9834	-0.7564
26	30	Biased	9.6196	8.9334	-0.6862
27	30	Unbiased	9.7123	9.5132	-0.1991
28	30	Unbiased	9.7346	9.5482	-0.1864
29	30	Unbiased	9.6415	9.4397	-0.2018
30	30	Unbiased	9.6934	9.5013	-0.1921
31	30	Unbiased	9.7514	9.5464	-0.205
32	50	Biased	9.7105	8.7758	-0.9347
33	50	Biased	9.6931	8.8002	-0.8929
34	50	Biased	9.6318	8.716	-0.9158
35	50	Biased	9.6702	8.7361	-0.9341
36	50	Biased	9.7318	8.8267	-0.9051
37	50	Unbiased	9.6574	9.3951	-0.2623
39	50	Unbiased	9.7483	9.4537	-0.2946
40	50	Unbiased	9.8502	9.5705	-0.2797
41	50	Unbiased	9.6952	9.4095	-0.2857
42	50	Unbiased	9.6888	9.4162	-0.2726
43	100	Biased	9.8237	8.5846	-1.2391
44	100	Biased	9.658	8.4049	-1.2531
45	100	Biased	9.7029	8.4668	-1.2361
46	100	Biased	9.8255	8.5861	-1.2394
47	100	Biased	9.7569	8.4857	-1.2712
48	100	Unbiased	9.6638	9.2793	-0.3845
49	100	Unbiased	9.6803	9.2799	-0.4004
50	100	Unbiased	9.7437	9.3561	-0.3876
51	100	Unbiased	9.6571	9.2738	-0.3833
52	100	Unbiased	9.7703	9.3826	-0.3877
53	0	Correlation	9.7044	9.683	-0.0214
54	0	Correlation	9.6235	9.5967	-0.0268
55	0	Correlation	9.6275	9.6001	-0.0274
56	0	Correlation	9.7047	9.6745	-0.0302

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	9.6235	9.665	9.7047	0.045669	9.5967	9.6386	9.683	0.04654	-0.0302	-0.02645	-0.0214	0.0036783
3	9.5369	9.6247	9.6971	0.049754	9.4314	9.5594	9.6696	0.082011	-0.1116	-0.06527	-0.0204	0.042993
10	9.6461	9.7012	9.7565	0.041373	9.2908	9.4794	9.6815	0.15561	-0.3678	-0.22182	-0.0741	0.1388
30	9.6196	9.6959	9.7514	0.048557	8.9298	9.2401	9.5482	0.28717	-0.7564	-0.45579	-0.1864	0.2736
50	9.6318	9.7077	9.8502	0.060523	8.716	9.11	9.5705	0.36177	-0.9347	-0.59775	-0.2623	0.33633
100	9.6571	9.7282	9.8255	0.065395	8.4049	8.91	9.3826	0.4308	-1.2712	-0.81824	-0.3833	0.4529

Device Test: 6.126; VOL_RESET_10MA





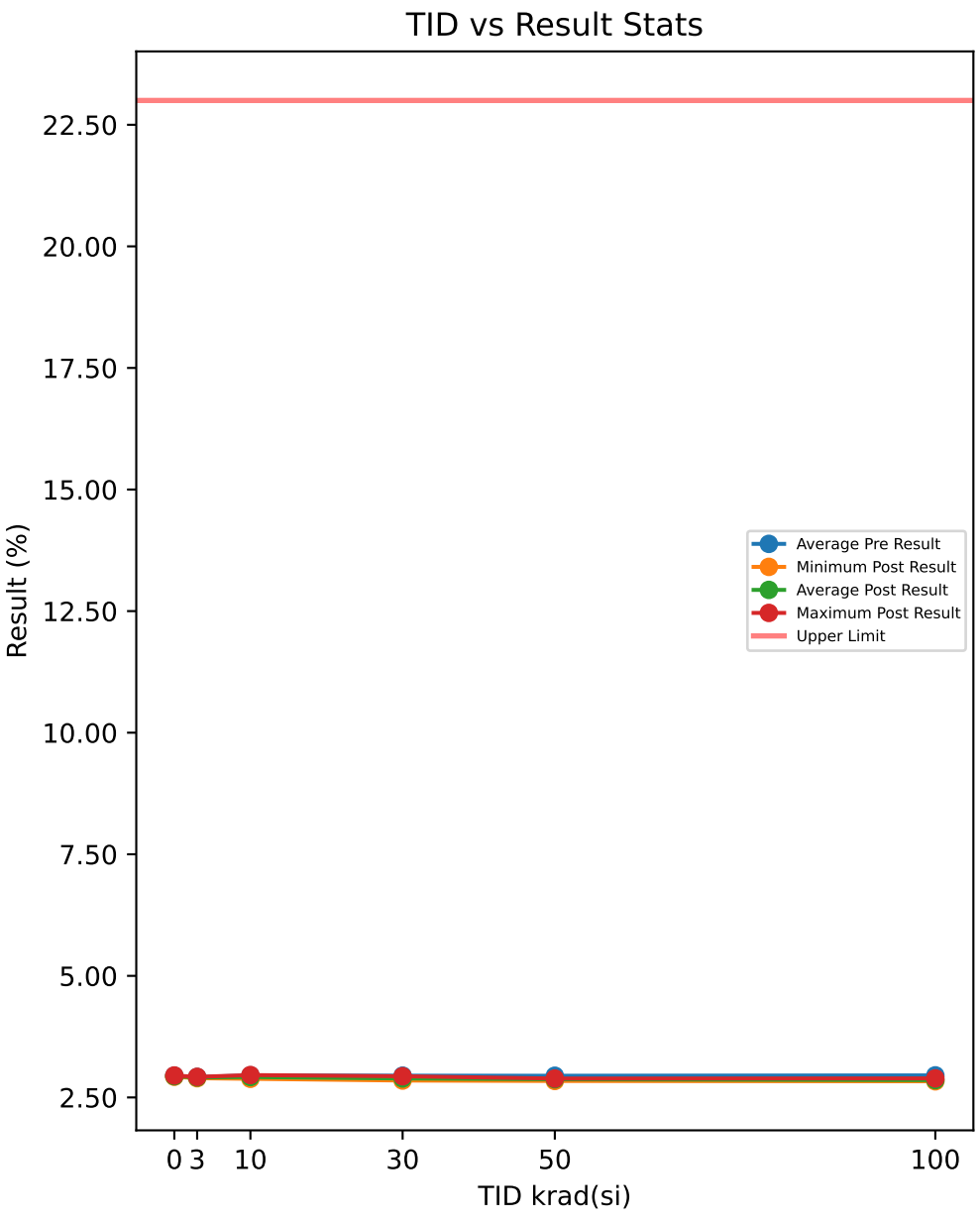
Test Results (Upper Limit = 23.0 (%))

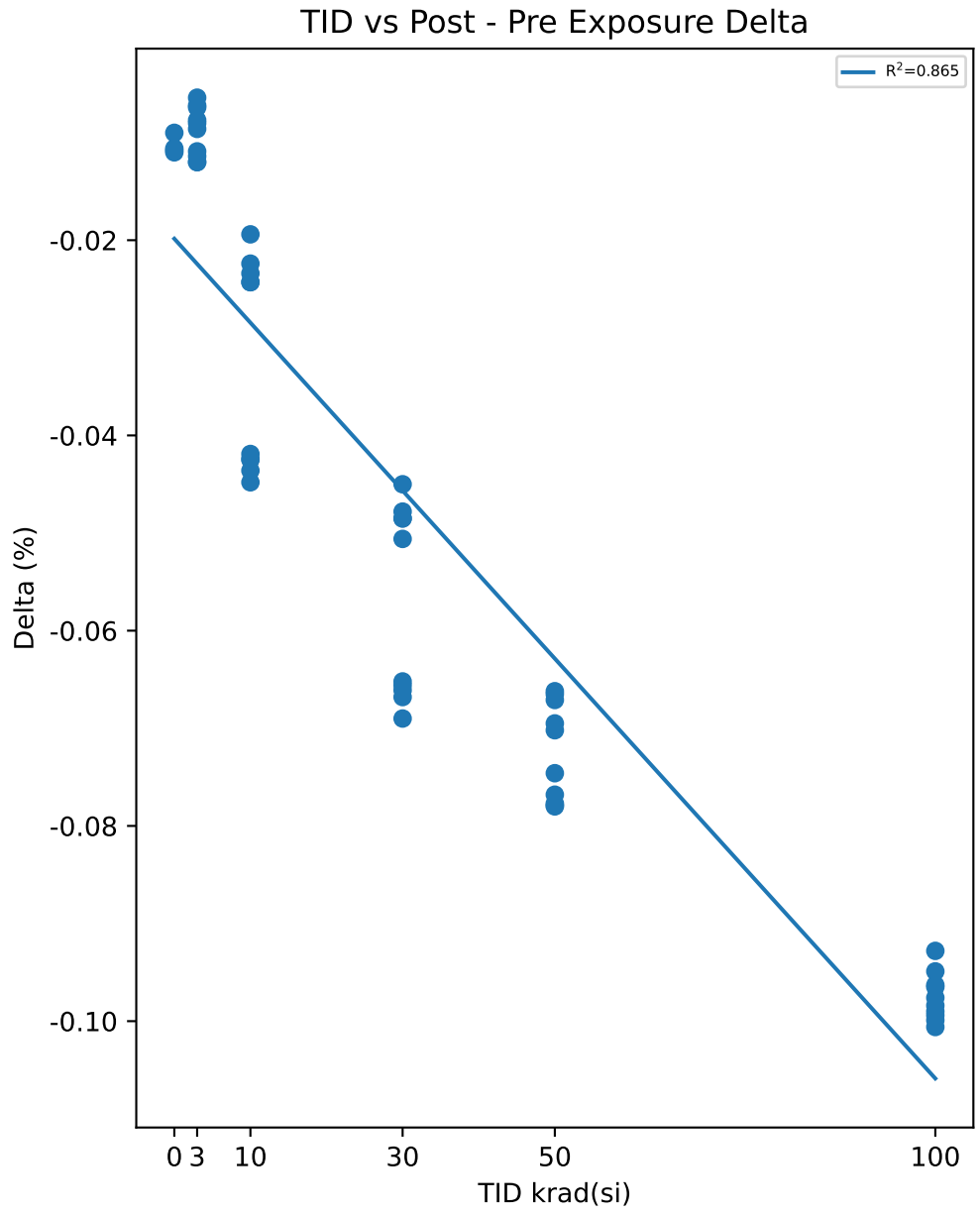
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.9765	2.9689	-0.0076
3	3	Biased	2.9683	2.9582	-0.0101
4	3	Biased	2.965	2.9548	-0.0102
5	3	Biased	3.0112	3.0009	-0.0103
6	3	Biased	2.9564	2.9466	-0.0098
7	3	Unbiased	2.9635	2.9579	-0.0056
8	3	Unbiased	2.9785	2.9748	-0.0037
9	3	Unbiased	2.9786	2.971	-0.0076
10	3	Unbiased	2.955	2.9502	-0.0048
11	3	Unbiased	2.9986	2.9924	-0.0062
12	10	Unbiased	3.0214	3.0007	-0.0207
13	10	Unbiased	3.0009	2.9829	-0.018
14	10	Unbiased	3.0141	2.9906	-0.0235
15	10	Unbiased	3.0137	2.9896	-0.0241
16	10	Unbiased	2.9763	2.9533	-0.023
17	10	Biased	2.9638	2.9226	-0.0412
18	10	Biased	2.9729	2.9327	-0.0402
19	10	Biased	3.0425	3.0016	-0.0409
20	10	Biased	2.9771	2.935	-0.0421
21	10	Biased	3.0043	2.9619	-0.0424
22	30	Biased	3.0107	2.9452	-0.0655
23	30	Biased	3.0036	2.9377	-0.0659
24	30	Biased	3.0227	2.9566	-0.0661
25	30	Biased	2.9712	2.9017	-0.0695
26	30	Biased	2.9858	2.9217	-0.0641
27	30	Unbiased	3.0078	2.9588	-0.049
28	30	Unbiased	3.0195	2.9742	-0.0453
29	30	Unbiased	3.0034	2.9537	-0.0497
30	30	Unbiased	2.9895	2.94	-0.0495
31	30	Unbiased	3.0024	2.9544	-0.048
32	50	Biased	2.9984	2.922	-0.0764
33	50	Biased	2.9829	2.9081	-0.0748
34	50	Biased	3.0012	2.924	-0.0772
35	50	Biased	3.0024	2.9264	-0.076
36	50	Biased	3.0412	2.9631	-0.0781
37	50	Unbiased	2.9933	2.9267	-0.0666
39	50	Unbiased	2.9951	2.927	-0.0681
40	50	Unbiased	2.9827	2.9172	-0.0655
41	50	Unbiased	3.0453	2.9732	-0.0721
42	50	Unbiased	3.0158	2.9506	-0.0652
43	100	Biased	2.9742	2.8777	-0.0965
44	100	Biased	2.9763	2.8768	-0.0995
45	100	Biased	3.0276	2.9267	-0.1009
46	100	Biased	2.9941	2.8942	-0.0999
47	100	Biased	2.9997	2.9012	-0.0985
48	100	Unbiased	2.999	2.9042	-0.0948
49	100	Unbiased	3.0039	2.9035	-0.1004
50	100	Unbiased	2.9999	2.9059	-0.094
51	100	Unbiased	2.999	2.9033	-0.0957
52	100	Unbiased	3.0248	2.9267	-0.0981
53	0	Correlation	2.9927	2.9832	-0.0095
54	0	Correlation	2.9966	2.9856	-0.011
55	0	Correlation	2.9695	2.9594	-0.0101
56	0	Correlation	2.9981	2.9879	-0.0102

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	2.9695	2.9892	2.9981	0.013346	2.9594	2.979	2.9879	0.013223	-0.011	-0.0102	-0.0095	0.00061644
3	2.955	2.9752	3.0112	0.018005	2.9466	2.9676	3.0009	0.017886	-0.0103	-0.00759	-0.0037	0.0024529
10	2.9638	2.9987	3.0425	0.025351	2.9226	2.9671	3.0016	0.029887	-0.0424	-0.03161	-0.018	0.01043
30	2.9712	3.0017	3.0227	0.015688	2.9017	2.9444	2.9742	0.02064	-0.0695	-0.05726	-0.0453	0.009613
50	2.9827	3.0058	3.0453	0.021933	2.9081	2.9338	2.9732	0.021124	-0.0781	-0.072	-0.0652	0.0051674
100	2.9742	2.9998	3.0276	0.017179	2.8768	2.902	2.9267	0.01677	-0.1009	-0.09783	-0.094	0.0024445

Device Test: 6.127; VOL_RESET_10MA





Test Results (Upper Limit = 23.0 (%))

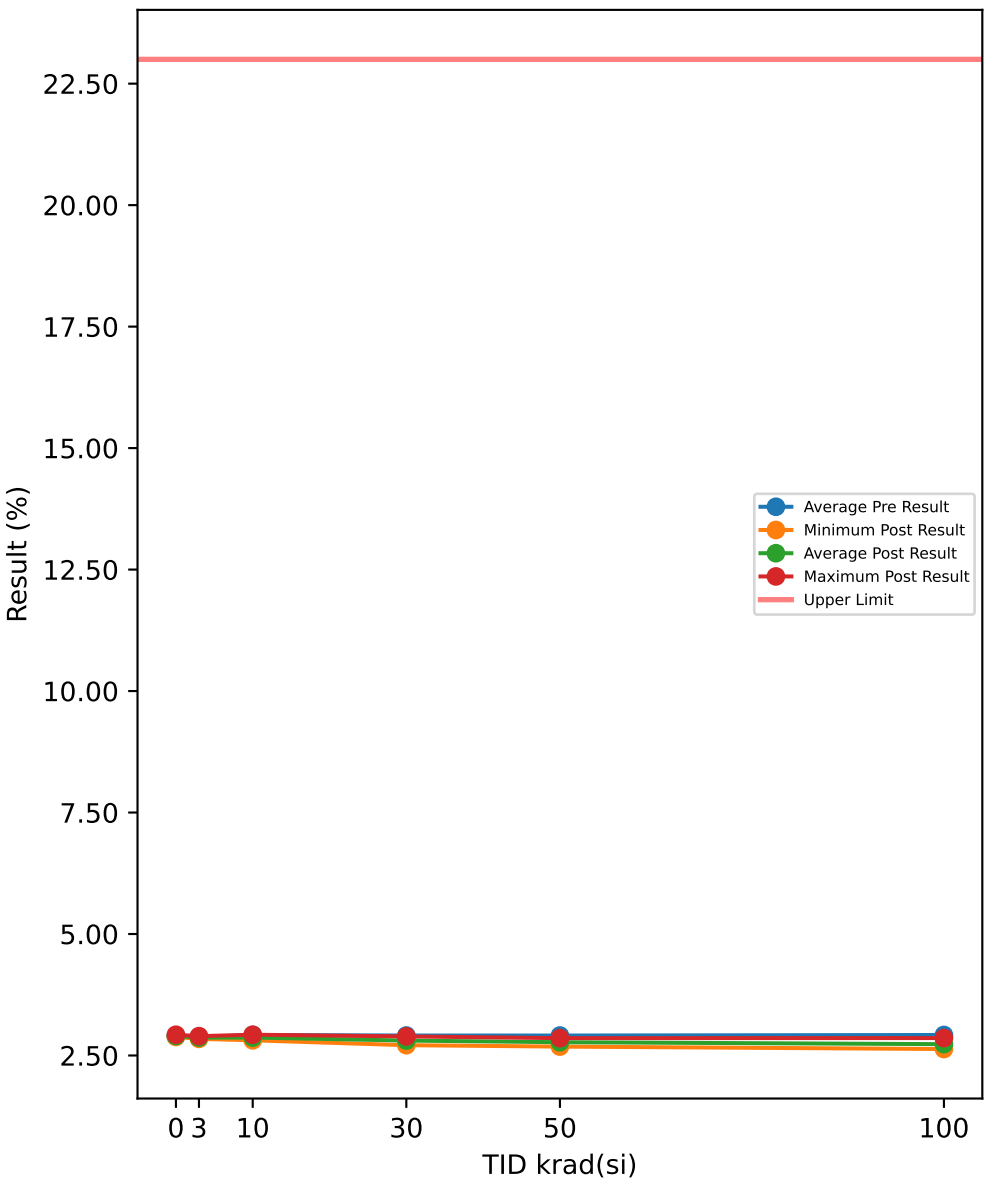
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.9038	2.8958	-0.008
3	3	Biased	2.9343	2.9223	-0.012
4	3	Biased	2.9204	2.909	-0.0114
5	3	Biased	2.9299	2.9179	-0.012
6	3	Biased	2.9198	2.9089	-0.0109
7	3	Unbiased	2.9144	2.9082	-0.0062
8	3	Unbiased	2.9031	2.8967	-0.0064
9	3	Unbiased	2.92	2.9123	-0.0077
10	3	Unbiased	2.92	2.9146	-0.0054
11	3	Unbiased	2.9317	2.9231	-0.0086
12	10	Unbiased	2.9454	2.923	-0.0224
13	10	Unbiased	2.9575	2.9381	-0.0194
14	10	Unbiased	2.9537	2.9294	-0.0243
15	10	Unbiased	2.9343	2.91	-0.0243
16	10	Unbiased	2.9549	2.9315	-0.0234
17	10	Biased	2.943	2.9006	-0.0424
18	10	Biased	2.9593	2.9157	-0.0436
19	10	Biased	3.0024	2.9599	-0.0425
20	10	Biased	2.928	2.8832	-0.0448
21	10	Biased	2.9487	2.9068	-0.0419
22	30	Biased	2.9573	2.8912	-0.0661
23	30	Biased	2.9572	2.8904	-0.0668
24	30	Biased	2.9492	2.884	-0.0652
25	30	Biased	2.9167	2.8477	-0.069
26	30	Biased	2.9344	2.8688	-0.0656
27	30	Unbiased	2.9531	2.9046	-0.0485
28	30	Unbiased	2.9429	2.8979	-0.045
29	30	Unbiased	2.9375	2.8897	-0.0478
30	30	Unbiased	2.9402	2.8917	-0.0485
31	30	Unbiased	2.9865	2.9359	-0.0506
32	50	Biased	2.9477	2.87	-0.0777
33	50	Biased	2.9135	2.8389	-0.0746
34	50	Biased	2.9437	2.8658	-0.0779
35	50	Biased	2.9621	2.8841	-0.078
36	50	Biased	2.9615	2.8847	-0.0768
37	50	Unbiased	2.9389	2.8724	-0.0665
39	50	Unbiased	2.9496	2.8801	-0.0695
40	50	Unbiased	2.9548	2.8886	-0.0662
41	50	Unbiased	2.9444	2.8742	-0.0702
42	50	Unbiased	2.9421	2.875	-0.0671
43	100	Biased	2.9688	2.8689	-0.0999
44	100	Biased	2.9345	2.8351	-0.0994
45	100	Biased	2.9554	2.857	-0.0984
46	100	Biased	2.9611	2.8605	-0.1006
47	100	Biased	2.9643	2.8667	-0.0976
48	100	Unbiased	2.9297	2.8348	-0.0949
49	100	Unbiased	2.9285	2.832	-0.0965
50	100	Unbiased	2.941	2.8482	-0.0928
51	100	Unbiased	2.9907	2.8917	-0.099
52	100	Unbiased	2.9617	2.8654	-0.0963
53	0	Correlation	2.9347	2.9257	-0.009
54	0	Correlation	2.9496	2.939	-0.0106
55	0	Correlation	2.9396	2.9286	-0.011
56	0	Correlation	2.9623	2.9515	-0.0108

Test Statistics (%)

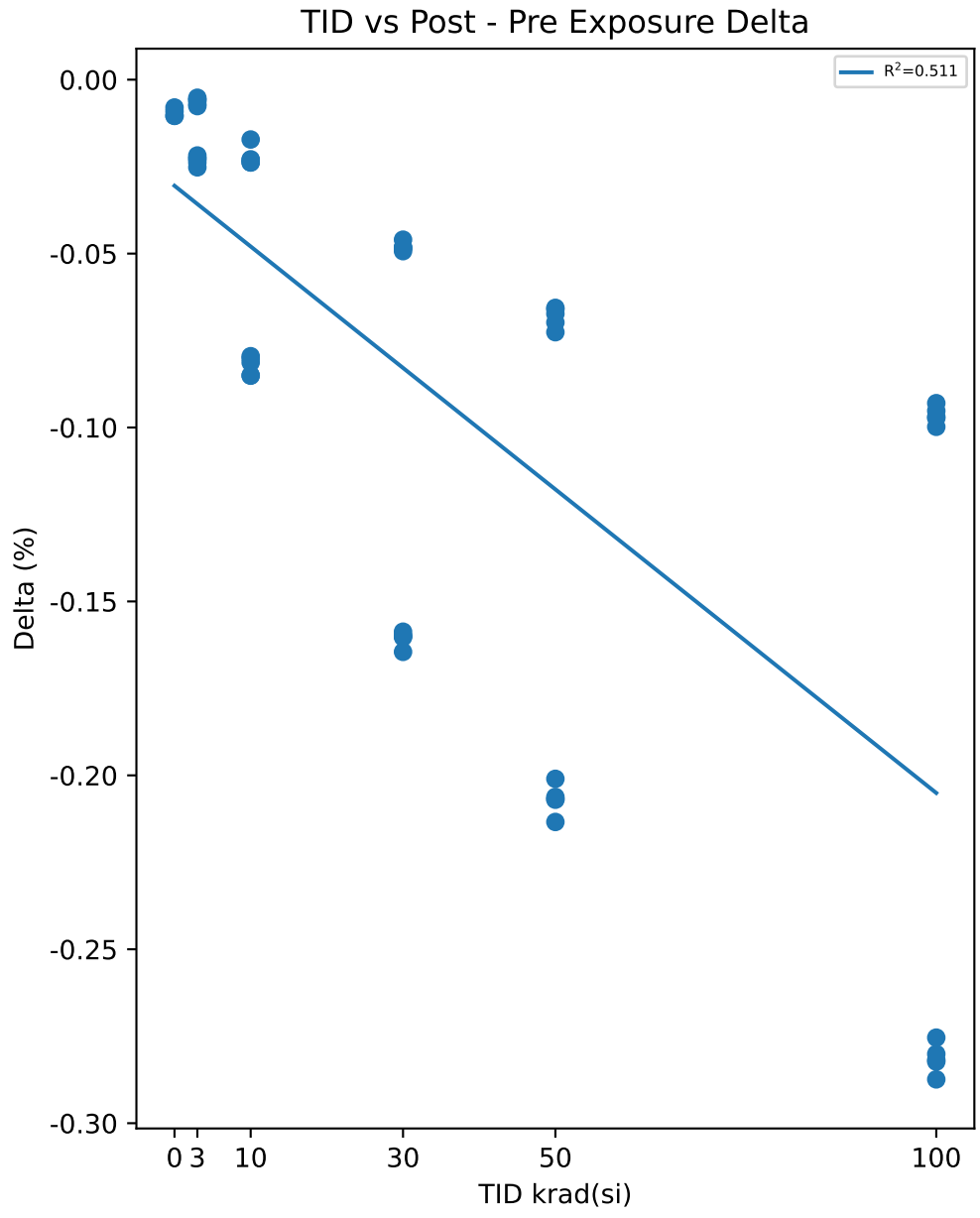
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.9347	2.9466	2.9623	0.012194	2.9257	2.9362	2.9515	0.01169	-0.011	-0.01035	-0.009	0.00091469
3	2.9031	2.9197	2.9343	0.010637	2.8958	2.9109	2.9231	0.0093571	-0.012	-0.00886	-0.0054	0.0025295
10	2.928	2.9527	3.0024	0.020151	2.8832	2.9198	2.9599	0.021531	-0.0448	-0.0329	-0.0194	0.010802
30	2.9167	2.9475	2.9865	0.018379	2.8477	2.8902	2.9359	0.022758	-0.069	-0.05731	-0.045	0.0098725
50	2.9135	2.9458	2.9621	0.013833	2.8389	2.8734	2.8886	0.014071	-0.078	-0.07245	-0.0662	0.0050384
100	2.9285	2.9536	2.9907	0.019922	2.832	2.856	2.8917	0.018821	-0.1006	-0.09754	-0.0928	0.0024341

Device Test: 6.128; VOL_RESET_10MA

TID vs Result Stats



TID vs Post - Pre Exposure Delta



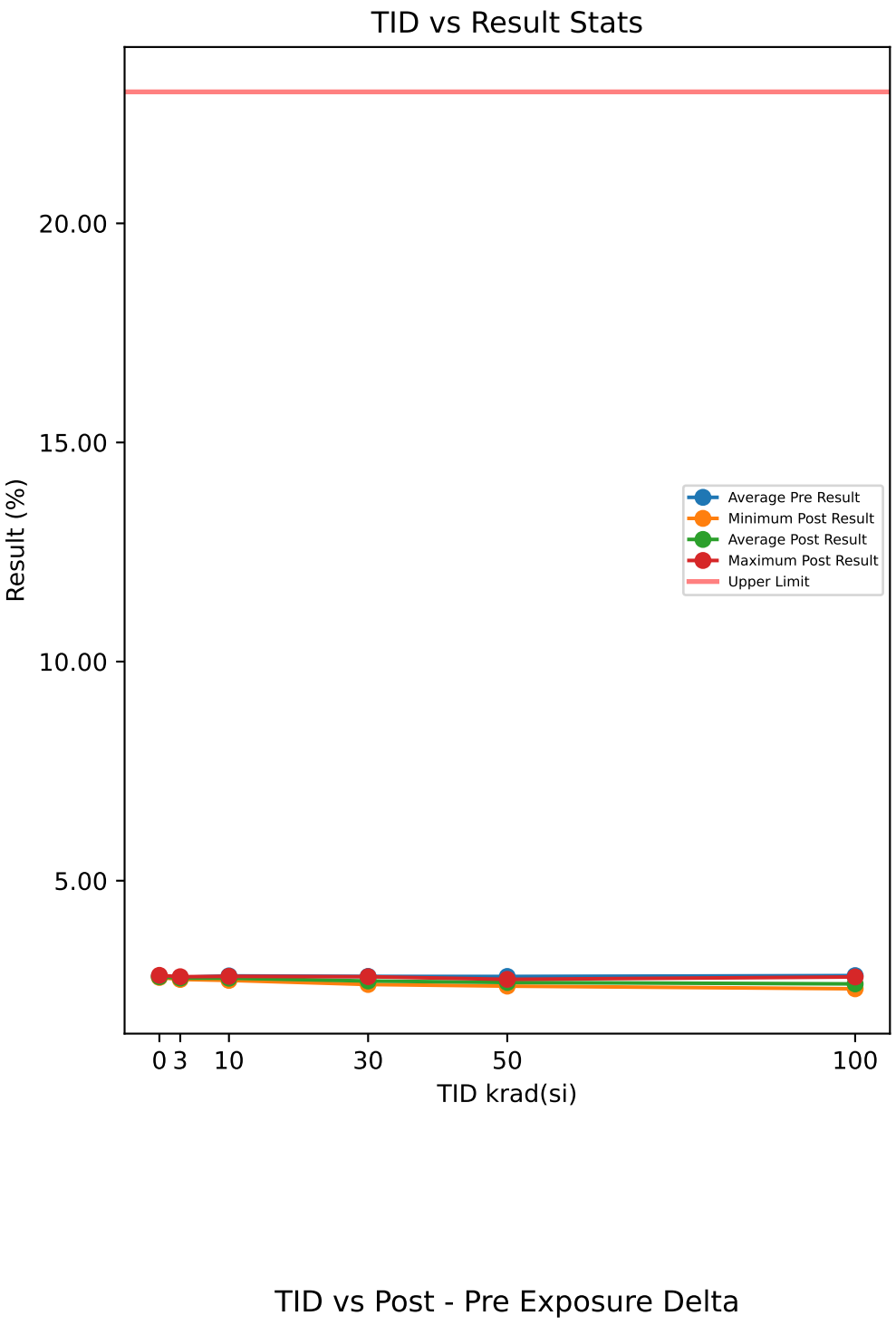
Test Results (Upper Limit = 23.0 (%))

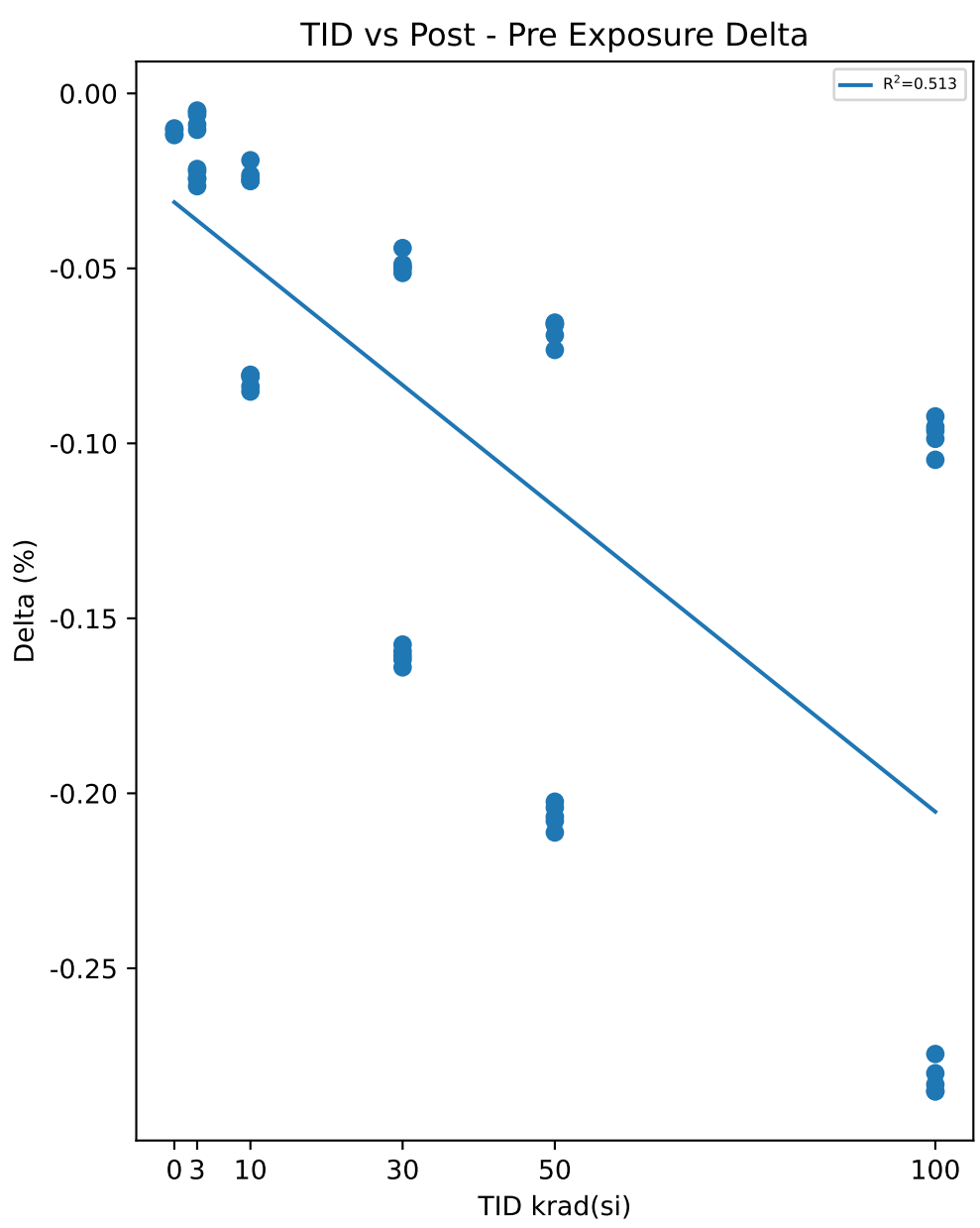
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.8657	2.8439	-0.0218
3	3	Biased	2.9027	2.8775	-0.0252
4	3	Biased	2.8699	2.8471	-0.0228
5	3	Biased	2.9031	2.8805	-0.0226
6	3	Biased	2.8658	2.842	-0.0238
7	3	Unbiased	2.8622	2.8563	-0.0059
8	3	Unbiased	2.8756	2.8704	-0.0052
9	3	Unbiased	2.9051	2.8981	-0.007
10	3	Unbiased	2.8753	2.8695	-0.0058
11	3	Unbiased	2.898	2.8904	-0.0076
12	10	Unbiased	2.9231	2.8993	-0.0238
13	10	Unbiased	2.9445	2.9273	-0.0172
14	10	Unbiased	2.9061	2.8823	-0.0238
15	10	Unbiased	2.9125	2.8894	-0.0231
16	10	Unbiased	2.9196	2.8967	-0.0229
17	10	Biased	2.9169	2.8356	-0.0813
18	10	Biased	2.9196	2.8345	-0.0851
19	10	Biased	2.9612	2.8811	-0.0801
20	10	Biased	2.8969	2.8119	-0.085
21	10	Biased	2.9127	2.8332	-0.0795
22	30	Biased	2.9212	2.7612	-0.16
23	30	Biased	2.9263	2.7676	-0.1587
24	30	Biased	2.9126	2.7528	-0.1598
25	30	Biased	2.8765	2.712	-0.1645
26	30	Biased	2.9053	2.745	-0.1603
27	30	Unbiased	2.9103	2.862	-0.0483
28	30	Unbiased	2.9019	2.8559	-0.046
29	30	Unbiased	2.8973	2.848	-0.0493
30	30	Unbiased	2.9195	2.8709	-0.0486
31	30	Unbiased	2.9403	2.8922	-0.0481
32	50	Biased	2.9108	2.704	-0.2068
33	50	Biased	2.884	2.683	-0.201
34	50	Biased	2.9043	2.6973	-0.207
35	50	Biased	2.9405	2.7271	-0.2134
36	50	Biased	2.9215	2.7153	-0.2062
37	50	Unbiased	2.8985	2.8312	-0.0673
39	50	Unbiased	2.9072	2.8374	-0.0698
40	50	Unbiased	2.9225	2.8569	-0.0656
41	50	Unbiased	2.9141	2.8415	-0.0726
42	50	Unbiased	2.9033	2.8373	-0.066
43	100	Biased	2.9548	2.673	-0.2818
44	100	Biased	2.9202	2.6328	-0.2874
45	100	Biased	2.9233	2.6432	-0.2801
46	100	Biased	2.9274	2.652	-0.2754
47	100	Biased	2.9199	2.6376	-0.2823
48	100	Unbiased	2.892	2.7968	-0.0952
49	100	Unbiased	2.903	2.8057	-0.0973
50	100	Unbiased	2.8987	2.8057	-0.093
51	100	Unbiased	2.958	2.8582	-0.0998
52	100	Unbiased	2.9219	2.825	-0.0969
53	0	Correlation	2.8899	2.8819	-0.008
54	0	Correlation	2.9123	2.9032	-0.0091
55	0	Correlation	2.8981	2.8877	-0.0104
56	0	Correlation	2.9369	2.9265	-0.0104

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	2.8899	2.9093	2.9369	0.020596	2.8819	2.8998	2.9265	0.019927	-0.0104	-0.009475	-0.008	0.0011587
3	2.8622	2.8823	2.9051	0.017684	2.842	2.8676	2.8981	0.019695	-0.0252	-0.01477	-0.0052	0.0089941
10	2.8969	2.9213	2.9612	0.018668	2.8119	2.8691	2.9273	0.037522	-0.0851	-0.05218	-0.0172	0.031749
30	2.8765	2.9111	2.9403	0.017528	2.712	2.8068	2.8922	0.064889	-0.1645	-0.10436	-0.046	0.05937
50	2.884	2.9107	2.9405	0.015367	2.683	2.7731	2.8569	0.072593	-0.2134	-0.13757	-0.0656	0.073144
100	2.892	2.9219	2.958	0.021639	2.6328	2.733	2.8582	0.091982	-0.2874	-0.18892	-0.093	0.09754

Device Test: 6.129; VOL_RESET_10MA





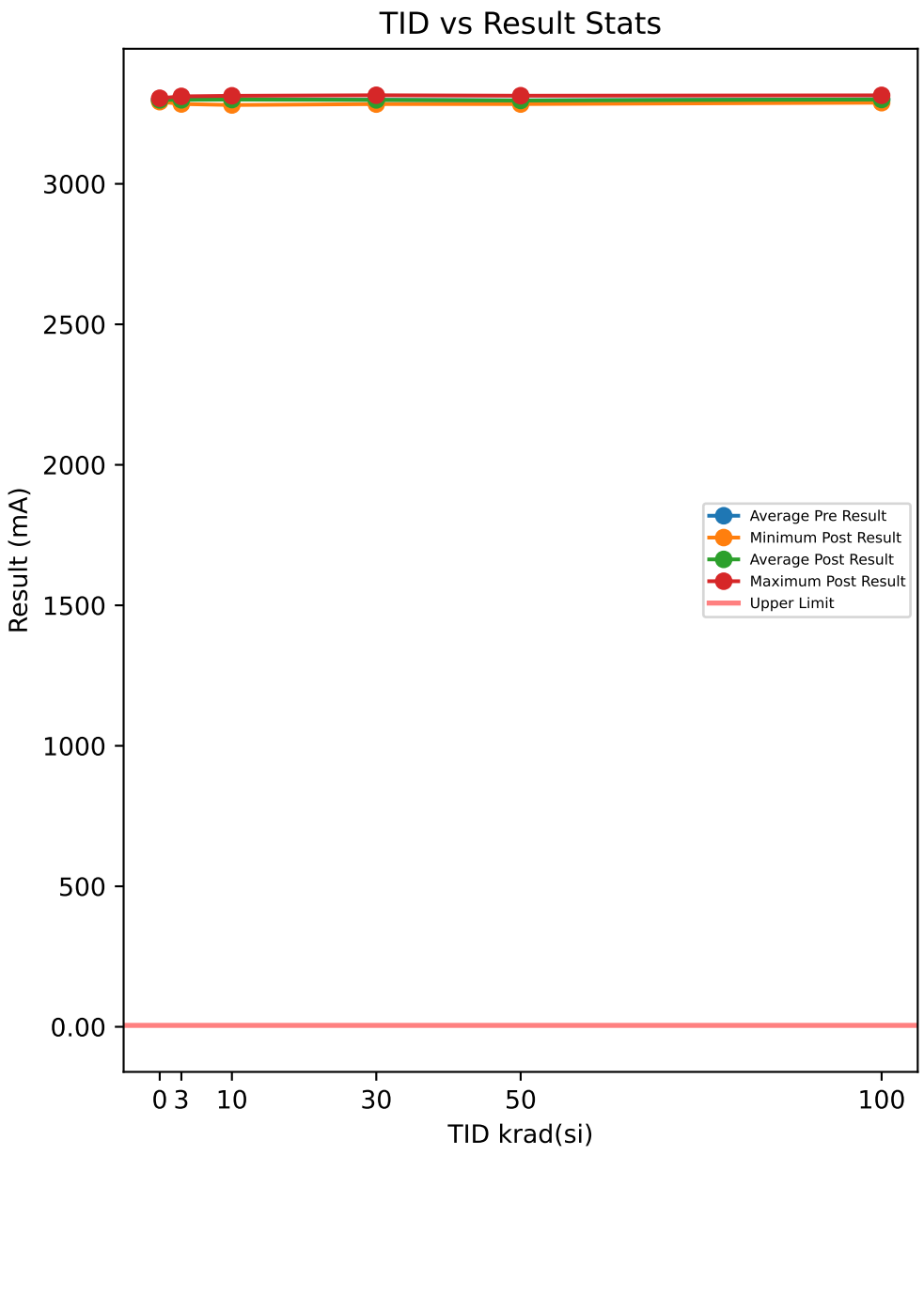
Test Results (Upper Limit = 23.0 (%))

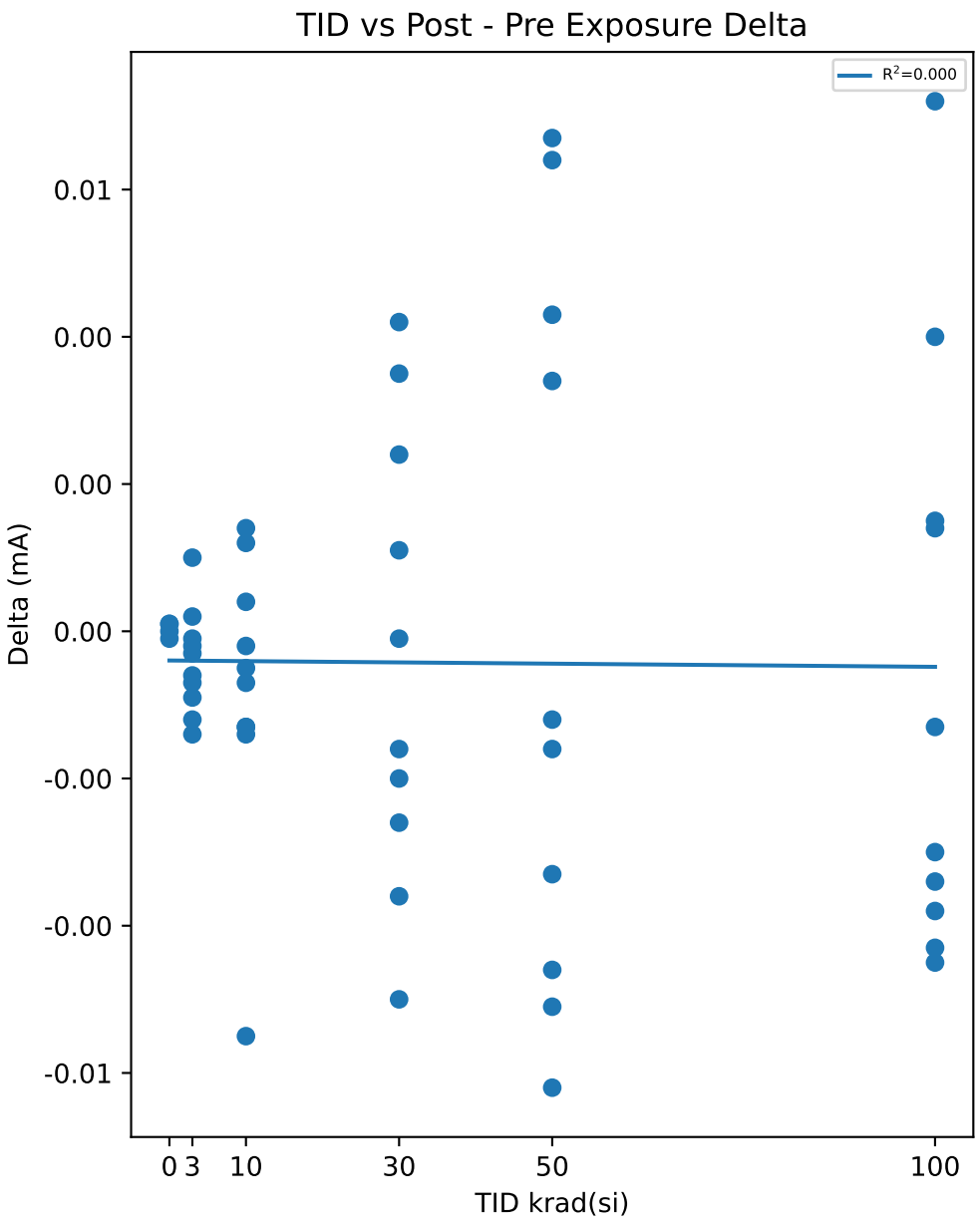
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.7811	2.7595	-0.0216
3	3	Biased	2.821	2.7945	-0.0265
4	3	Biased	2.7739	2.7517	-0.0222
5	3	Biased	2.816	2.7916	-0.0244
6	3	Biased	2.7715	2.7472	-0.0243
7	3	Unbiased	2.7701	2.7648	-0.0053
8	3	Unbiased	2.7783	2.7722	-0.0061
9	3	Unbiased	2.8174	2.807	-0.0104
10	3	Unbiased	2.7867	2.7818	-0.0049
11	3	Unbiased	2.8179	2.809	-0.0089
12	10	Unbiased	2.8238	2.8005	-0.0233
13	10	Unbiased	2.8337	2.8146	-0.0191
14	10	Unbiased	2.8124	2.7883	-0.0241
15	10	Unbiased	2.8039	2.7789	-0.025
16	10	Unbiased	2.8435	2.8185	-0.025
17	10	Biased	2.8389	2.7579	-0.081
18	10	Biased	2.8362	2.7525	-0.0837
19	10	Biased	2.8578	2.7774	-0.0804
20	10	Biased	2.8106	2.7254	-0.0852
21	10	Biased	2.8224	2.7418	-0.0806
22	30	Biased	2.8208	2.659	-0.1618
23	30	Biased	2.8311	2.6717	-0.1594
24	30	Biased	2.8151	2.6544	-0.1607
25	30	Biased	2.7964	2.6324	-0.164
26	30	Biased	2.802	2.6445	-0.1575
27	30	Unbiased	2.8194	2.7697	-0.0497
28	30	Unbiased	2.8148	2.7706	-0.0442
29	30	Unbiased	2.7961	2.7473	-0.0488
30	30	Unbiased	2.8089	2.759	-0.0499
31	30	Unbiased	2.8608	2.8095	-0.0513
32	50	Biased	2.8185	2.6144	-0.2041
33	50	Biased	2.7971	2.5947	-0.2024
34	50	Biased	2.8073	2.6006	-0.2067
35	50	Biased	2.8422	2.631	-0.2112
36	50	Biased	2.8304	2.6225	-0.2079
37	50	Unbiased	2.7971	2.7316	-0.0655
39	50	Unbiased	2.8185	2.7494	-0.0691
40	50	Unbiased	2.8139	2.7482	-0.0657
41	50	Unbiased	2.8185	2.7452	-0.0733
42	50	Unbiased	2.8088	2.7427	-0.0661
43	100	Biased	2.8621	2.5789	-0.2832
44	100	Biased	2.8189	2.5338	-0.2851
45	100	Biased	2.8246	2.5446	-0.28
46	100	Biased	2.8296	2.5551	-0.2745
47	100	Biased	2.8519	2.5667	-0.2852
48	100	Unbiased	2.7982	2.7029	-0.0953
49	100	Unbiased	2.8245	2.7258	-0.0987
50	100	Unbiased	2.8068	2.7145	-0.0923
51	100	Unbiased	2.9085	2.8038	-0.1047
52	100	Unbiased	2.8247	2.7283	-0.0964
53	0	Correlation	2.8029	2.7929	-0.01
54	0	Correlation	2.8157	2.8041	-0.0116
55	0	Correlation	2.8037	2.7933	-0.0104
56	0	Correlation	2.8525	2.8406	-0.0119

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	2.8029	2.8187	2.8525	0.023281	2.7929	2.8077	2.8406	0.022522	-0.0119	-0.010975	-0.01	0.00091788
3	2.7701	2.7934	2.821	0.021796	2.7472	2.7779	2.809	0.022271	-0.0265	-0.01546	-0.0049	0.0090312
10	2.8039	2.8283	2.8578	0.016739	2.7254	2.7756	2.8185	0.031031	-0.0852	-0.05274	-0.0191	0.031109
30	2.7961	2.8165	2.8608	0.019136	2.6324	2.7118	2.8095	0.065292	-0.164	-0.10473	-0.0442	0.059027
50	2.7971	2.8152	2.8422	0.013956	2.5947	2.678	2.7494	0.069813	-0.2112	-0.1372	-0.0655	0.073076
100	2.7982	2.835	2.9085	0.031945	2.5338	2.6454	2.8038	0.098823	-0.2852	-0.18954	-0.0923	0.097135

Device Test: 6.13; VLDO_I_MAX





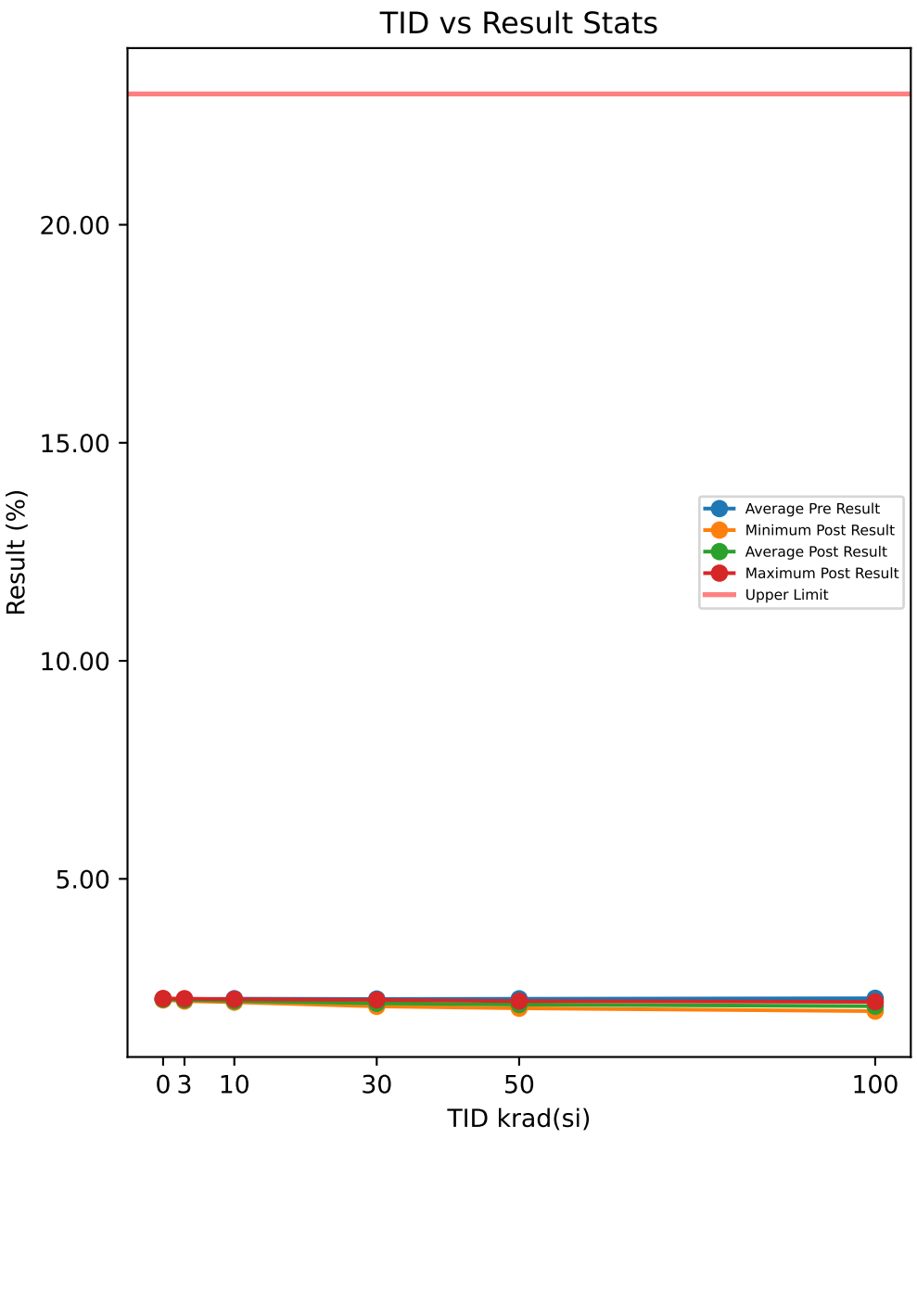
Test Results (Upper Limit = 5.0 (mA))

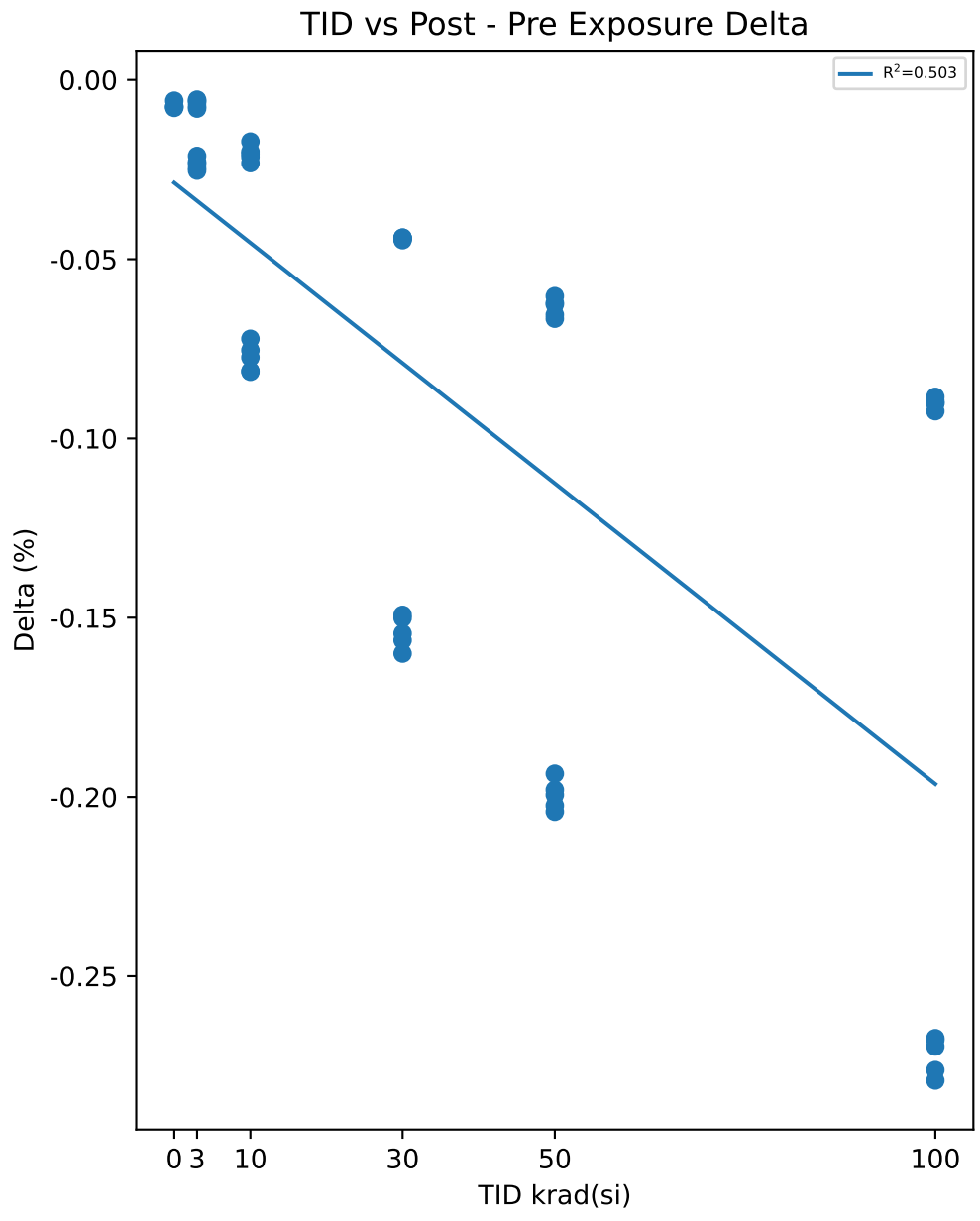
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	3307.6	3306.4	-0.0012
3	3	Biased	3300.3	3299.4	-0.0009
4	3	Biased	3312	3310.6	-0.0014
5	3	Biased	3300.7	3300.5	-0.0002
6	3	Biased	3302.6	3303.6	0.001
7	3	Unbiased	3293.8	3294	0.0002
8	3	Unbiased	3284.7	3284.1	-0.0006
9	3	Unbiased	3286.4	3285.7	-0.0007
10	3	Unbiased	3294	3293.7	-0.0003
11	3	Unbiased	3311.4	3311.3	-0.0001
12	10	Unbiased	3300.3	3298.9	-0.0014
13	10	Unbiased	3308.6	3307.3	-0.0013
14	10	Unbiased	3302.2	3301.5	-0.0007
15	10	Unbiased	3298.6	3297.3	-0.0013
16	10	Unbiased	3300.9	3302.1	0.0012
17	10	Biased	3307.6	3302.1	-0.0055
18	10	Biased	3297.9	3297.4	-0.0005
19	10	Biased	3279.2	3280.6	0.0014
20	10	Biased	3297.5	3297.9	0.0004
21	10	Biased	3313.5	3313.3	-0.0002
22	30	Biased	3300.1	3298.1	-0.002
23	30	Biased	3285.5	3285.4	-0.0001
24	30	Biased	3313.8	3308.8	-0.005
25	30	Biased	3279.6	3283.8	0.0042
26	30	Biased	3299.6	3302	0.0024
27	30	Unbiased	3302.9	3299.3	-0.0036
28	30	Unbiased	3292.4	3290.8	-0.0016
29	30	Unbiased	3311.7	3315.2	0.0035
30	30	Unbiased	3311.1	3308.5	-0.0026
31	30	Unbiased	3293.4	3294.5	0.0011
32	50	Biased	3300.8	3297.5	-0.0033
33	50	Biased	3289	3283.9	-0.0051
34	50	Biased	3302.7	3301.1	-0.0016
35	50	Biased	3307.2	3313.6	0.0064
36	50	Biased	3301.1	3299.9	-0.0012
37	50	Unbiased	3294.2	3288	-0.0062
39	50	Unbiased	3282.9	3286.3	0.0034
40	50	Unbiased	3293.8	3300.5	0.0067
41	50	Unbiased	3309.1	3304.5	-0.0046
42	50	Unbiased	3287.2	3291.5	0.0043
43	100	Biased	3287.8	3295	0.0072
44	100	Biased	3303.8	3299.3	-0.0045
45	100	Biased	3287.4	3288.8	0.0014
46	100	Biased	3299.4	3296	-0.0034
47	100	Biased	3299.6	3298.3	-0.0013
48	100	Unbiased	3304	3301	-0.003
49	100	Unbiased	3305.4	3309.4	0.004
50	100	Unbiased	3299	3300.5	0.0015
51	100	Unbiased	3319.2	3314.9	-0.0043
52	100	Unbiased	3301.7	3297.9	-0.0038
53	0	Correlation	3304.5	3304.6	0.0001
54	0	Correlation	3295.7	3295.8	0.0001
55	0	Correlation	3302	3301.9	-0.0001
56	0	Correlation	3292.4	3292.4	0

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	3292.4	3298.7	3304.5	5.574	3292.4	3298.7	3304.6	5.5722	-0.0001	2.5e-05	0.0001	9.5743e-05
3	3284.7	3299.3	3312	9.5935	3284.1	3298.9	3311.3	9.5226	-0.0014	-0.00042	0.001	0.00070522
10	3279.2	3300.6	3313.5	9.1954	3280.6	3299.8	3313.3	8.4131	-0.0055	-0.00079	0.0014	0.0019347
30	3279.6	3299	3313.8	11.436	3283.8	3298.6	3315.2	10.332	-0.005	-0.00037	0.0042	0.0031052
50	3282.9	3296.8	3309.1	8.7605	3283.9	3296.7	3313.6	9.2247	-0.0062	-0.00012	0.0067	0.0049019
100	3287.4	3300.7	3319.2	9.0365	3288.8	3300.1	3314.9	7.3464	-0.0045	-0.00062	0.0072	0.0039949

Device Test: 6.130; VOL_WDO_10MA





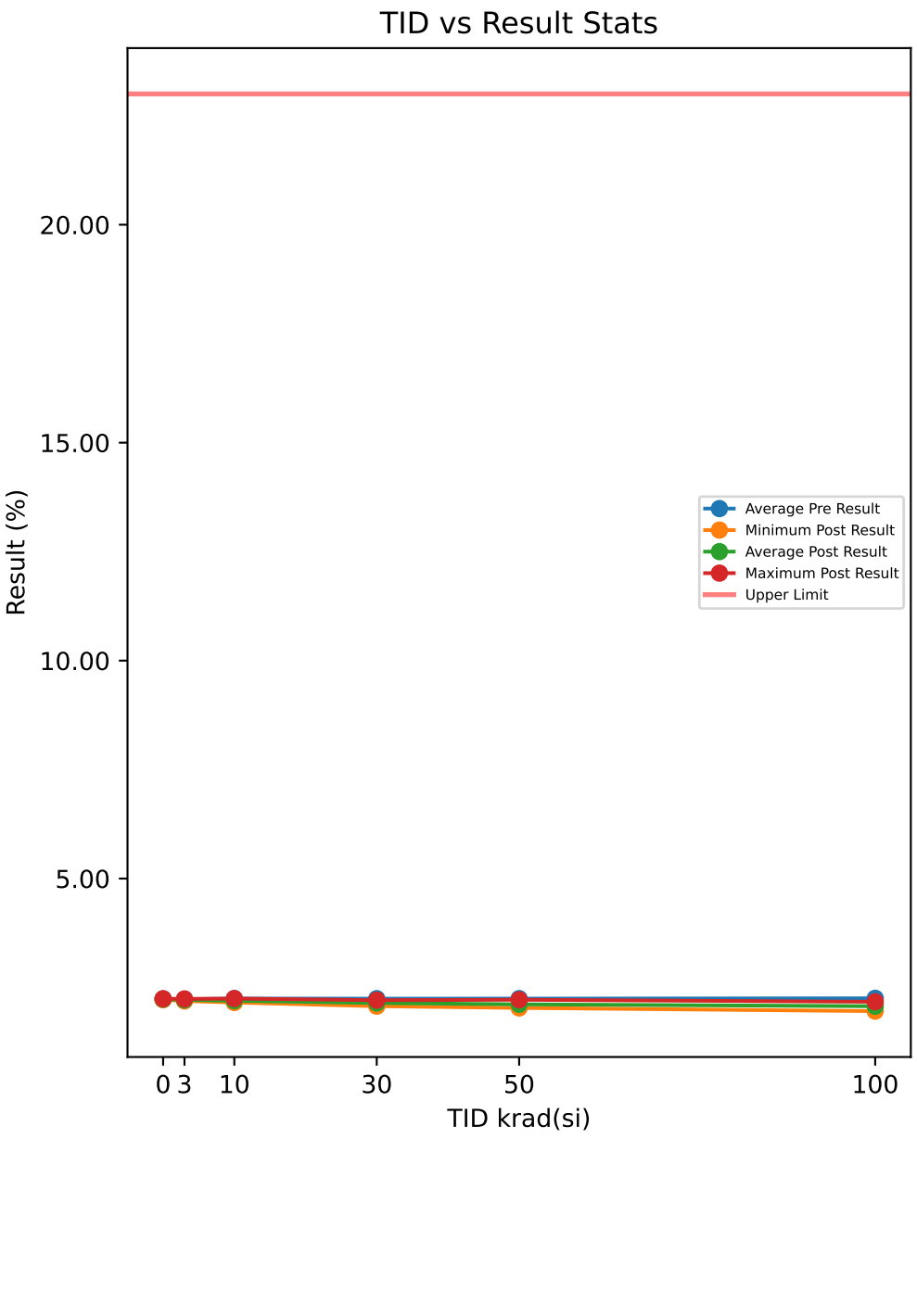
Test Results (Upper Limit = 23.0 (%))

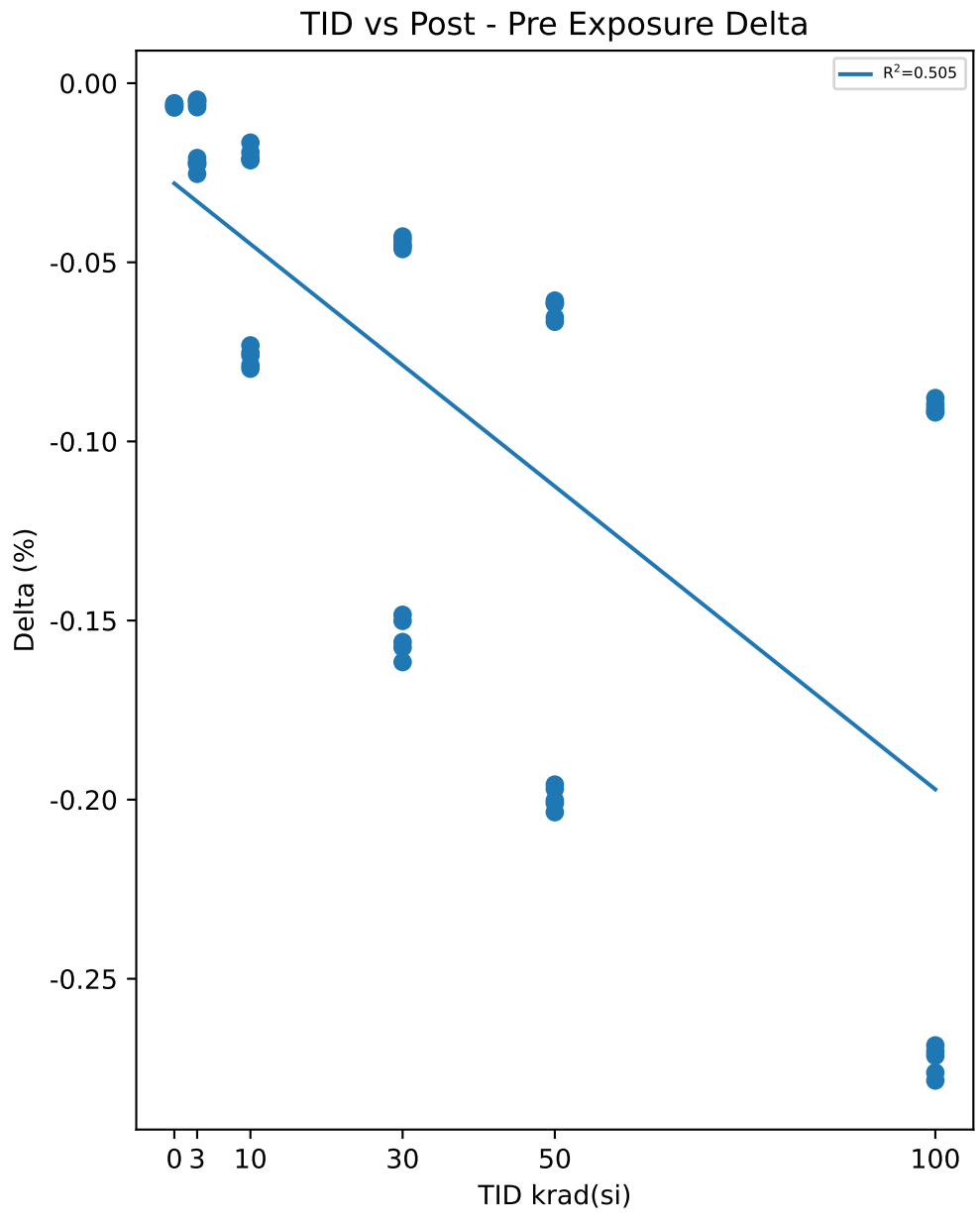
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.222	2.2008	-0.0212
3	3	Biased	2.2442	2.2196	-0.0246
4	3	Biased	2.2212	2.1983	-0.0229
5	3	Biased	2.2413	2.2179	-0.0234
6	3	Biased	2.2383	2.213	-0.0253
7	3	Unbiased	2.2438	2.2383	-0.0055
8	3	Unbiased	2.2332	2.2274	-0.0058
9	3	Unbiased	2.2605	2.2531	-0.0074
10	3	Unbiased	2.2447	2.2384	-0.0063
11	3	Unbiased	2.2356	2.2276	-0.008
12	10	Unbiased	2.2544	2.2344	-0.02
13	10	Unbiased	2.2472	2.23	-0.0172
14	10	Unbiased	2.2318	2.2103	-0.0215
15	10	Unbiased	2.2432	2.22	-0.0232
16	10	Unbiased	2.261	2.2404	-0.0206
17	10	Biased	2.2757	2.1983	-0.0774
18	10	Biased	2.2545	2.1731	-0.0814
19	10	Biased	2.2467	2.1745	-0.0722
20	10	Biased	2.2536	2.1724	-0.0812
21	10	Biased	2.2477	2.1723	-0.0754
22	30	Biased	2.2324	2.0761	-0.1563
23	30	Biased	2.2362	2.0861	-0.1501
24	30	Biased	2.2489	2.0945	-0.1544
25	30	Biased	2.243	2.083	-0.16
26	30	Biased	2.2447	2.0955	-0.1492
27	30	Unbiased	2.2442	2.2	-0.0442
28	30	Unbiased	2.2559	2.2119	-0.044
29	30	Unbiased	2.2415	2.1971	-0.0444
30	30	Unbiased	2.2328	2.1888	-0.044
31	30	Unbiased	2.2693	2.2246	-0.0447
32	50	Biased	2.2497	2.0456	-0.2041
33	50	Biased	2.2422	2.0487	-0.1935
34	50	Biased	2.231	2.033	-0.198
35	50	Biased	2.2573	2.0549	-0.2024
36	50	Biased	2.2683	2.0689	-0.1994
37	50	Unbiased	2.235	2.1724	-0.0626
39	50	Unbiased	2.2408	2.1753	-0.0655
40	50	Unbiased	2.2543	2.194	-0.0603
41	50	Unbiased	2.2612	2.1946	-0.0666
42	50	Unbiased	2.2577	2.1955	-0.0622
43	100	Biased	2.2774	2.0101	-0.2673
44	100	Biased	2.2435	1.9673	-0.2762
45	100	Biased	2.2569	1.9873	-0.2696
46	100	Biased	2.2755	2.0077	-0.2678
47	100	Biased	2.2745	1.9954	-0.2791
48	100	Unbiased	2.2418	2.1516	-0.0902
49	100	Unbiased	2.2558	2.1634	-0.0924
50	100	Unbiased	2.2589	2.1705	-0.0884
51	100	Unbiased	2.2707	2.1805	-0.0902
52	100	Unbiased	2.2628	2.1732	-0.0896
53	0	Correlation	2.2479	2.2421	-0.0058
54	0	Correlation	2.2317	2.2239	-0.0078
55	0	Correlation	2.2416	2.2341	-0.0075
56	0	Correlation	2.2639	2.2565	-0.0074

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	2.2317	2.2463	2.2639	0.01351	2.2239	2.2391	2.2565	0.013757	-0.0078	-0.007125	-0.0058	0.00089954
3	2.2212	2.2385	2.2605	0.011542	2.1983	2.2234	2.2531	0.01718	-0.0253	-0.01504	-0.0055	0.0089875
10	2.2318	2.2516	2.2757	0.011598	2.1723	2.2026	2.2404	0.028011	-0.0814	-0.04901	-0.0172	0.030201
30	2.2324	2.2449	2.2693	0.011187	2.0761	2.1458	2.2246	0.062827	-0.16	-0.09913	-0.044	0.057915
50	2.231	2.2497	2.2683	0.012121	2.033	2.1183	2.1955	0.072689	-0.2041	-0.13146	-0.0603	0.071772
100	2.2418	2.2618	2.2774	0.012806	1.9673	2.0807	2.1805	0.092867	-0.2791	-0.18108	-0.0884	0.095909

Device Test: 6.131; VOL_PWRGD_10MA





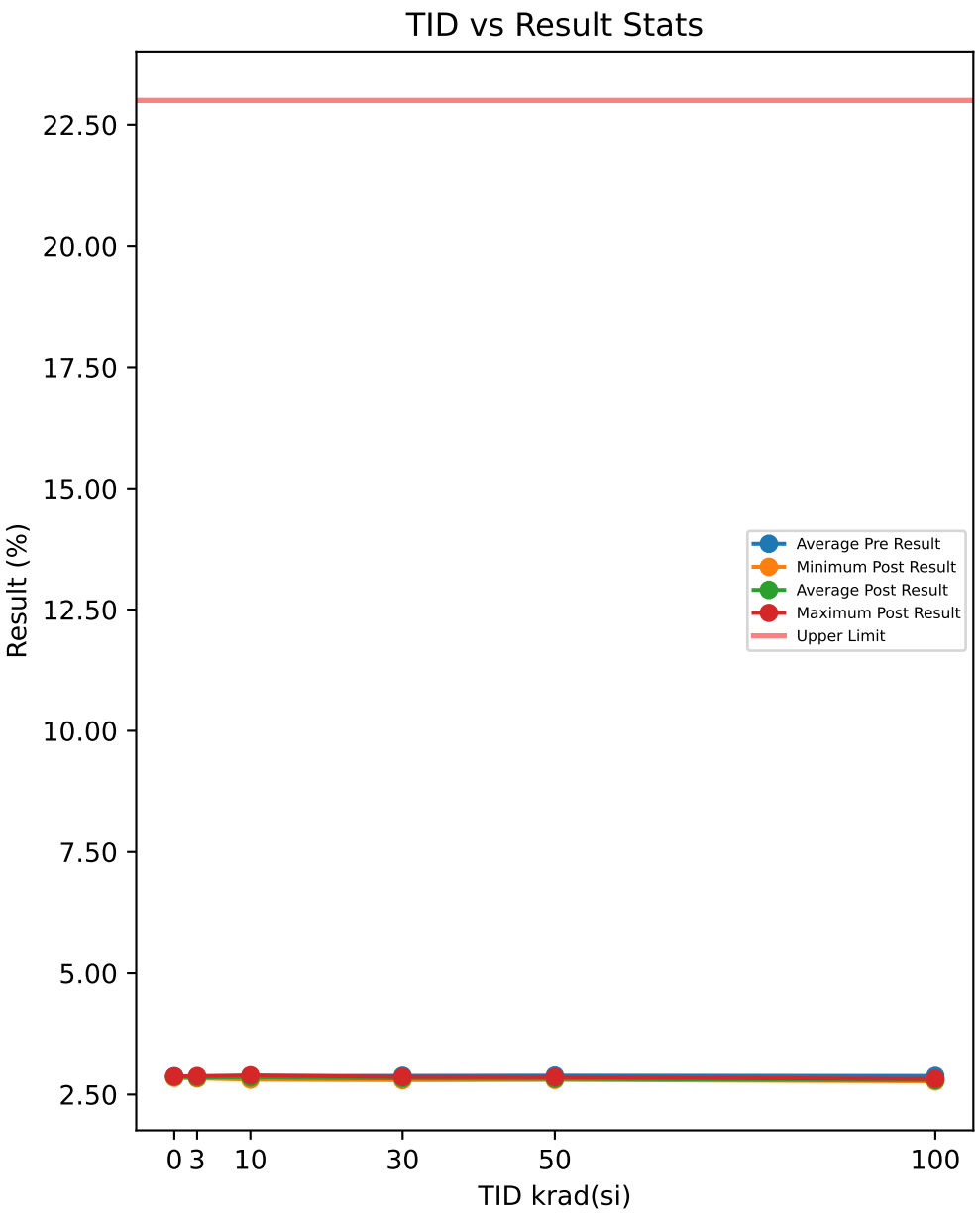
Test Results (Upper Limit = 23.0 (%))

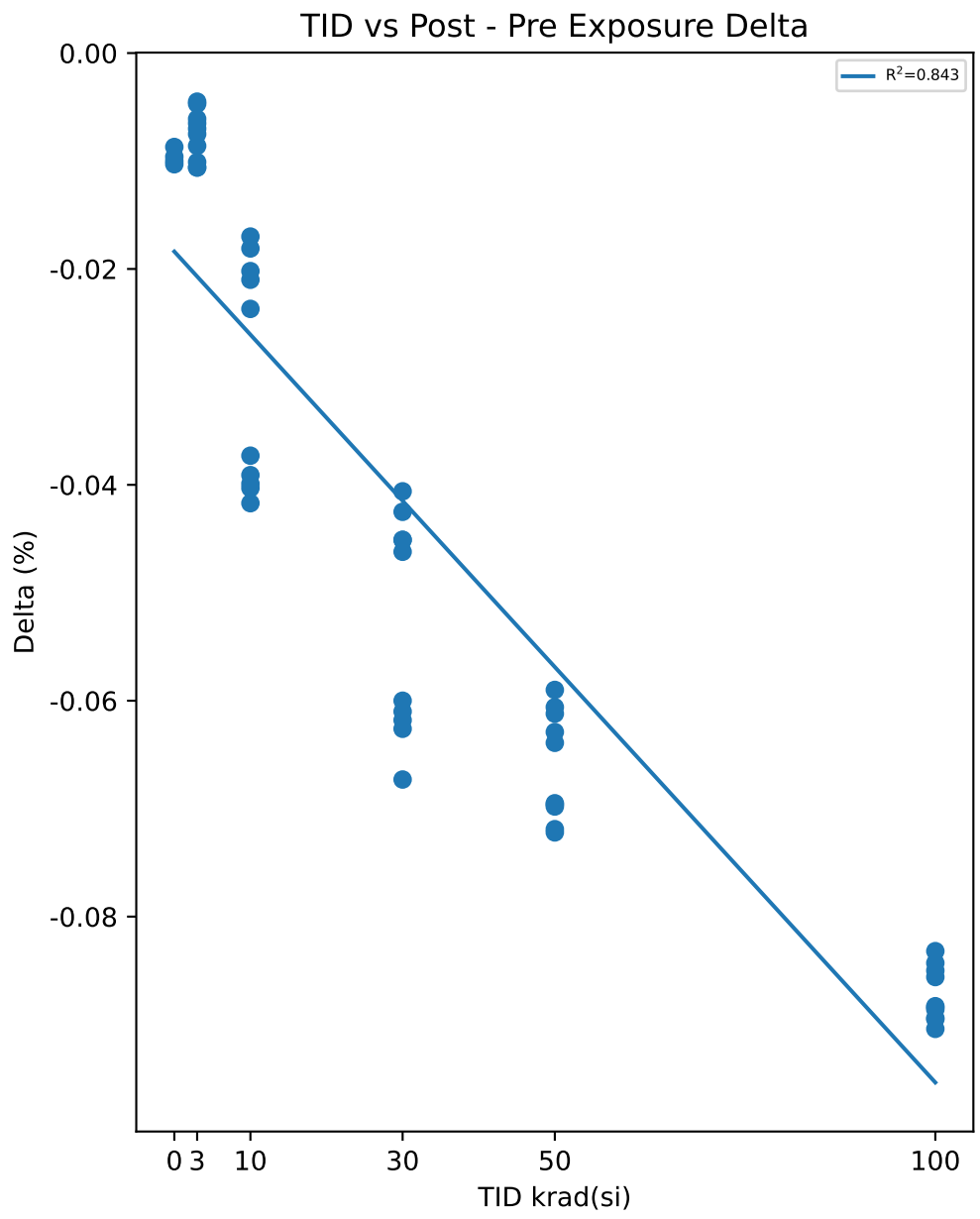
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.2234	2.2025	-0.0209
3	3	Biased	2.2353	2.21	-0.0253
4	3	Biased	2.2146	2.1919	-0.0227
5	3	Biased	2.2339	2.2115	-0.0224
6	3	Biased	2.2203	2.1983	-0.022
7	3	Unbiased	2.2363	2.2303	-0.006
8	3	Unbiased	2.2209	2.2163	-0.0046
9	3	Unbiased	2.2462	2.2395	-0.0067
10	3	Unbiased	2.2426	2.2378	-0.0048
11	3	Unbiased	2.2291	2.2239	-0.0052
12	10	Unbiased	2.2558	2.2365	-0.0193
13	10	Unbiased	2.2638	2.2472	-0.0166
14	10	Unbiased	2.2313	2.2098	-0.0215
15	10	Unbiased	2.2469	2.2257	-0.0212
16	10	Unbiased	2.2452	2.2242	-0.021
17	10	Biased	2.2521	2.1761	-0.076
18	10	Biased	2.2355	2.1568	-0.0787
19	10	Biased	2.2541	2.1809	-0.0732
20	10	Biased	2.2387	2.159	-0.0797
21	10	Biased	2.2459	2.1707	-0.0752
22	30	Biased	2.2301	2.0726	-0.1575
23	30	Biased	2.2348	2.0847	-0.1501
24	30	Biased	2.2642	2.1082	-0.156
25	30	Biased	2.2467	2.0851	-0.1616
26	30	Biased	2.2269	2.0785	-0.1484
27	30	Unbiased	2.2514	2.2051	-0.0463
28	30	Unbiased	2.248	2.2052	-0.0428
29	30	Unbiased	2.238	2.1942	-0.0438
30	30	Unbiased	2.252	2.2068	-0.0452
31	30	Unbiased	2.255	2.2096	-0.0454
32	50	Biased	2.2447	2.0412	-0.2035
33	50	Biased	2.241	2.0452	-0.1958
34	50	Biased	2.2339	2.0329	-0.201
35	50	Biased	2.2418	2.0416	-0.2002
36	50	Biased	2.2518	2.0548	-0.197
37	50	Unbiased	2.2356	2.1749	-0.0607
39	50	Unbiased	2.2446	2.1792	-0.0654
40	50	Unbiased	2.281	2.2196	-0.0614
41	50	Unbiased	2.2438	2.1772	-0.0666
42	50	Unbiased	2.2393	2.1777	-0.0616
43	100	Biased	2.2711	2.0025	-0.2686
44	100	Biased	2.2352	1.959	-0.2762
45	100	Biased	2.2445	1.9742	-0.2703
46	100	Biased	2.2795	2.008	-0.2715
47	100	Biased	2.2544	1.976	-0.2784
48	100	Unbiased	2.2377	2.1481	-0.0896
49	100	Unbiased	2.2456	2.1539	-0.0917
50	100	Unbiased	2.2568	2.1689	-0.0879
51	100	Unbiased	2.2406	2.1499	-0.0907
52	100	Unbiased	2.2653	2.1734	-0.0919
53	0	Correlation	2.2472	2.2416	-0.0056
54	0	Correlation	2.2273	2.2205	-0.0068
55	0	Correlation	2.2288	2.2228	-0.006
56	0	Correlation	2.2497	2.2431	-0.0066

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	2.2273	2.2382	2.2497	0.011838	2.2205	2.232	2.2431	0.012004	-0.0068	-0.00625	-0.0056	0.00055076
3	2.2146	2.2303	2.2462	0.010338	2.1919	2.2162	2.2395	0.01642	-0.0253	-0.01406	-0.0046	0.0091484
10	2.2313	2.2469	2.2638	0.0099339	2.1568	2.1987	2.2472	0.033709	-0.0797	-0.04824	-0.0166	0.029935
30	2.2269	2.2447	2.2642	0.01189	2.0726	2.145	2.2096	0.06315	-0.1616	-0.09971	-0.0428	0.058106
50	2.2339	2.2458	2.281	0.013369	2.0329	2.1144	2.2196	0.076389	-0.2035	-0.13132	-0.0607	0.07192
100	2.2352	2.2531	2.2795	0.015016	1.959	2.0714	2.1734	0.093518	-0.2784	-0.18168	-0.0879	0.096305

Device Test: 6.132; VOL_RESET_10MA





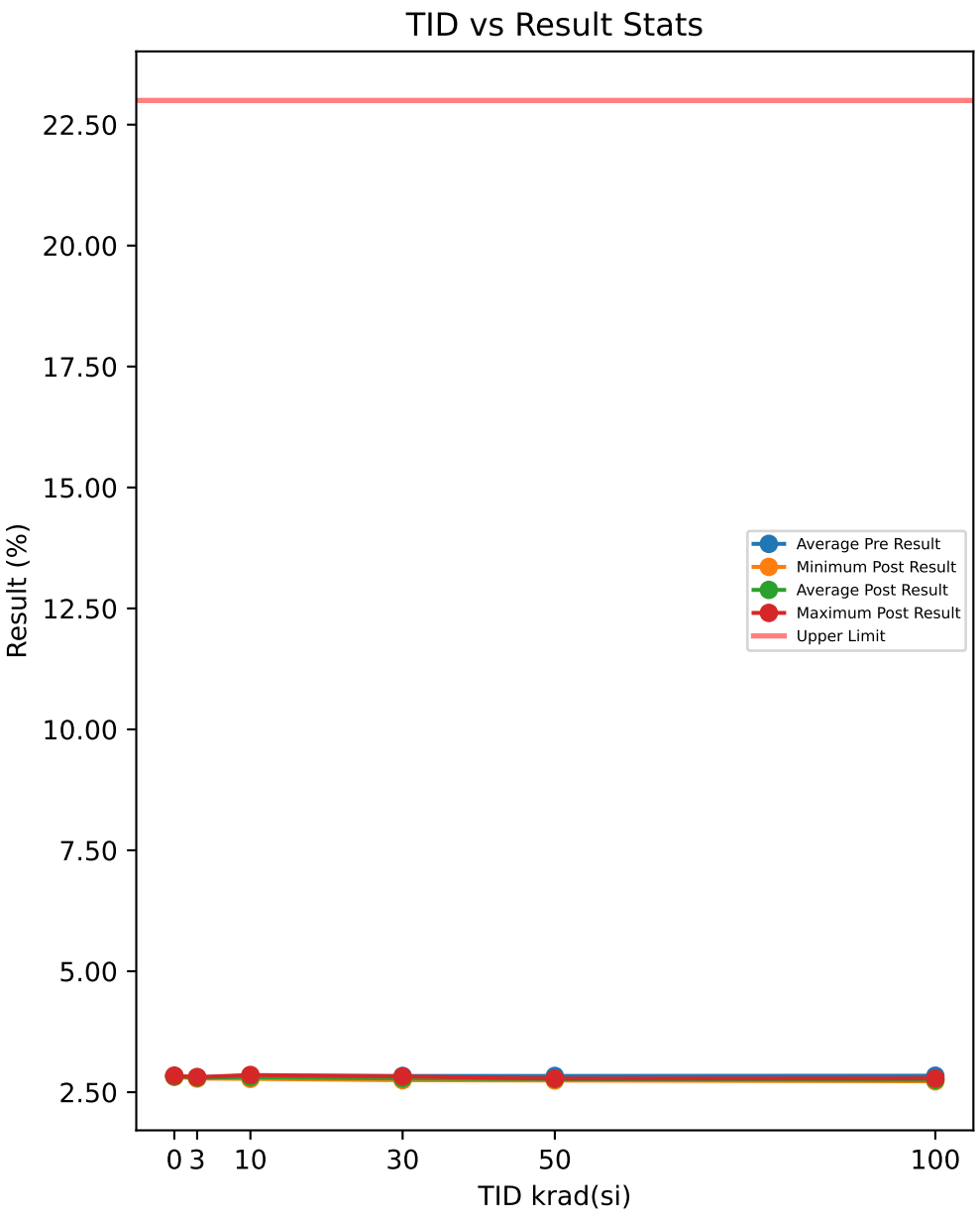
Test Results (Upper Limit = 23.0 (%))

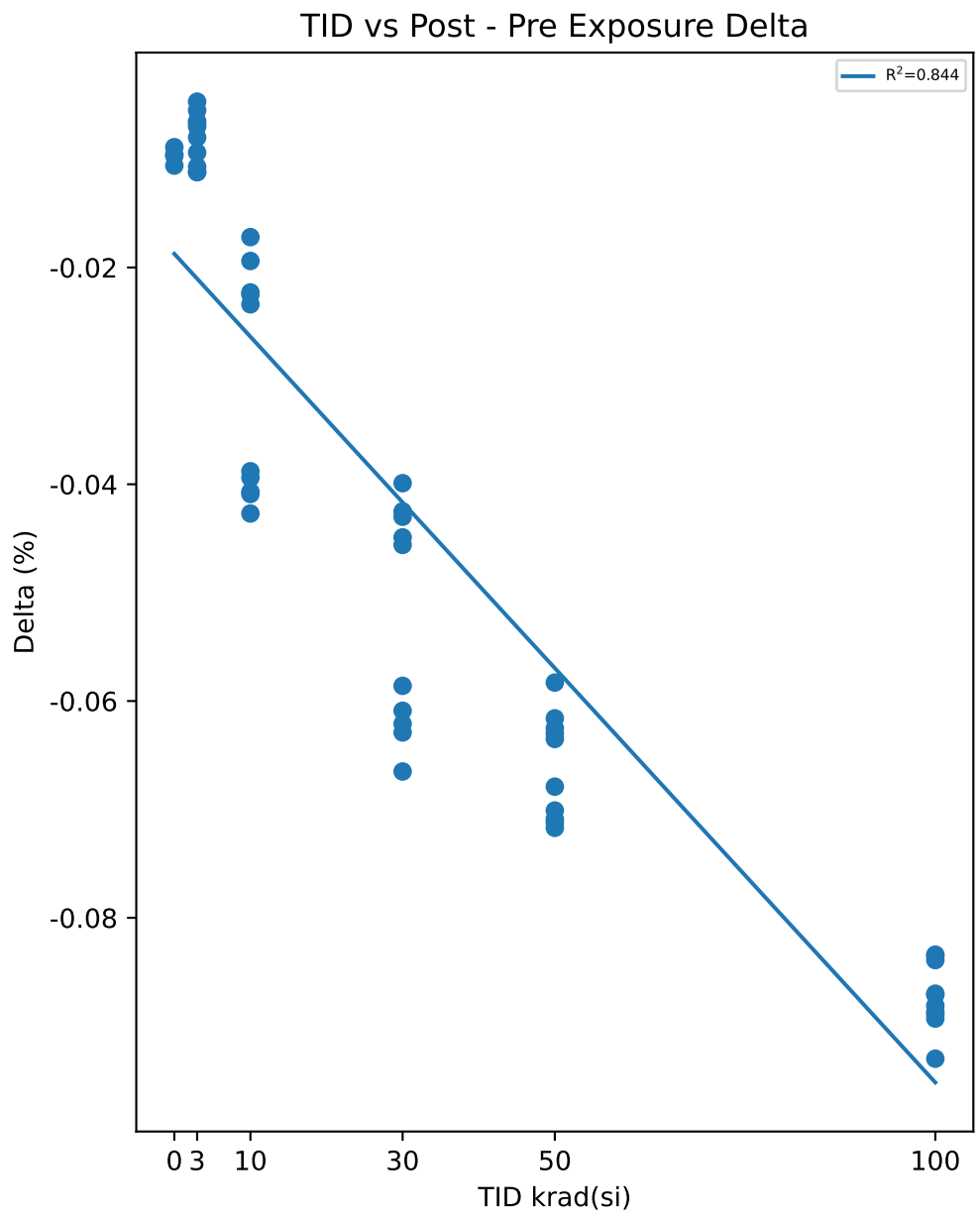
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.8554	2.8479	-0.0075
3	3	Biased	2.8525	2.8439	-0.0086
4	3	Biased	2.8469	2.8368	-0.0101
5	3	Biased	2.8898	2.8792	-0.0106
6	3	Biased	2.8432	2.8326	-0.0106
7	3	Unbiased	2.8517	2.8447	-0.007
8	3	Unbiased	2.869	2.8643	-0.0047
9	3	Unbiased	2.8628	2.8563	-0.0065
10	3	Unbiased	2.8434	2.8389	-0.0045
11	3	Unbiased	2.8789	2.8728	-0.0061
12	10	Unbiased	2.9002	2.8821	-0.0181
13	10	Unbiased	2.8828	2.8658	-0.017
14	10	Unbiased	2.8939	2.8729	-0.021
15	10	Unbiased	2.8969	2.8732	-0.0237
16	10	Unbiased	2.858	2.8378	-0.0202
17	10	Biased	2.8461	2.8088	-0.0373
18	10	Biased	2.859	2.8187	-0.0403
19	10	Biased	2.9348	2.8949	-0.0399
20	10	Biased	2.8654	2.8237	-0.0417
21	10	Biased	2.8828	2.8437	-0.0391
22	30	Biased	2.8909	2.8299	-0.061
23	30	Biased	2.8935	2.8309	-0.0626
24	30	Biased	2.8976	2.8376	-0.06
25	30	Biased	2.8636	2.7963	-0.0673
26	30	Biased	2.8709	2.8091	-0.0618
27	30	Unbiased	2.8883	2.8458	-0.0425
28	30	Unbiased	2.9024	2.8618	-0.0406
29	30	Unbiased	2.8823	2.8361	-0.0462
30	30	Unbiased	2.8703	2.8252	-0.0451
31	30	Unbiased	2.8879	2.8428	-0.0451
32	50	Biased	2.8811	2.8113	-0.0698
33	50	Biased	2.8713	2.8018	-0.0695
34	50	Biased	2.8837	2.8141	-0.0696
35	50	Biased	2.8829	2.811	-0.0719
36	50	Biased	2.9219	2.8497	-0.0722
37	50	Unbiased	2.8781	2.8191	-0.059
39	50	Unbiased	2.8834	2.8205	-0.0629
40	50	Unbiased	2.8688	2.8076	-0.0612
41	50	Unbiased	2.9207	2.8568	-0.0639
42	50	Unbiased	2.9015	2.8409	-0.0606
43	100	Biased	2.8644	2.775	-0.0894
44	100	Biased	2.8609	2.7726	-0.0883
45	100	Biased	2.9099	2.8204	-0.0895
46	100	Biased	2.8746	2.786	-0.0886
47	100	Biased	2.8858	2.7974	-0.0884
48	100	Unbiased	2.8815	2.7965	-0.085
49	100	Unbiased	2.8836	2.7932	-0.0904
50	100	Unbiased	2.8842	2.7999	-0.0843
51	100	Unbiased	2.8767	2.7935	-0.0832
52	100	Unbiased	2.9048	2.8192	-0.0856
53	0	Correlation	2.8747	2.866	-0.0087
54	0	Correlation	2.8833	2.8733	-0.01
55	0	Correlation	2.857	2.8467	-0.0103
56	0	Correlation	2.8819	2.8723	-0.0096

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	2.857	2.8742	2.8833	0.012086	2.8467	2.8646	2.8733	0.012347	-0.0103	-0.00965	-0.0087	0.00069522
3	2.8432	2.8594	2.8898	0.015655	2.8326	2.8517	2.8792	0.015834	-0.0106	-0.00762	-0.0045	0.0022876
10	2.8461	2.882	2.9348	0.026148	2.8088	2.8522	2.8949	0.02957	-0.0417	-0.02983	-0.017	0.010563
30	2.8636	2.8848	2.9024	0.012769	2.7963	2.8316	2.8618	0.018535	-0.0673	-0.05322	-0.0406	0.01012
50	2.8688	2.8893	2.9219	0.018978	2.8018	2.8233	2.8568	0.018983	-0.0722	-0.06606	-0.059	0.0050342
100	2.8609	2.8826	2.9099	0.015471	2.7726	2.7954	2.8204	0.01581	-0.0904	-0.08727	-0.0832	0.0025109

Device Test: 6.133; VOL_RESET_10MA





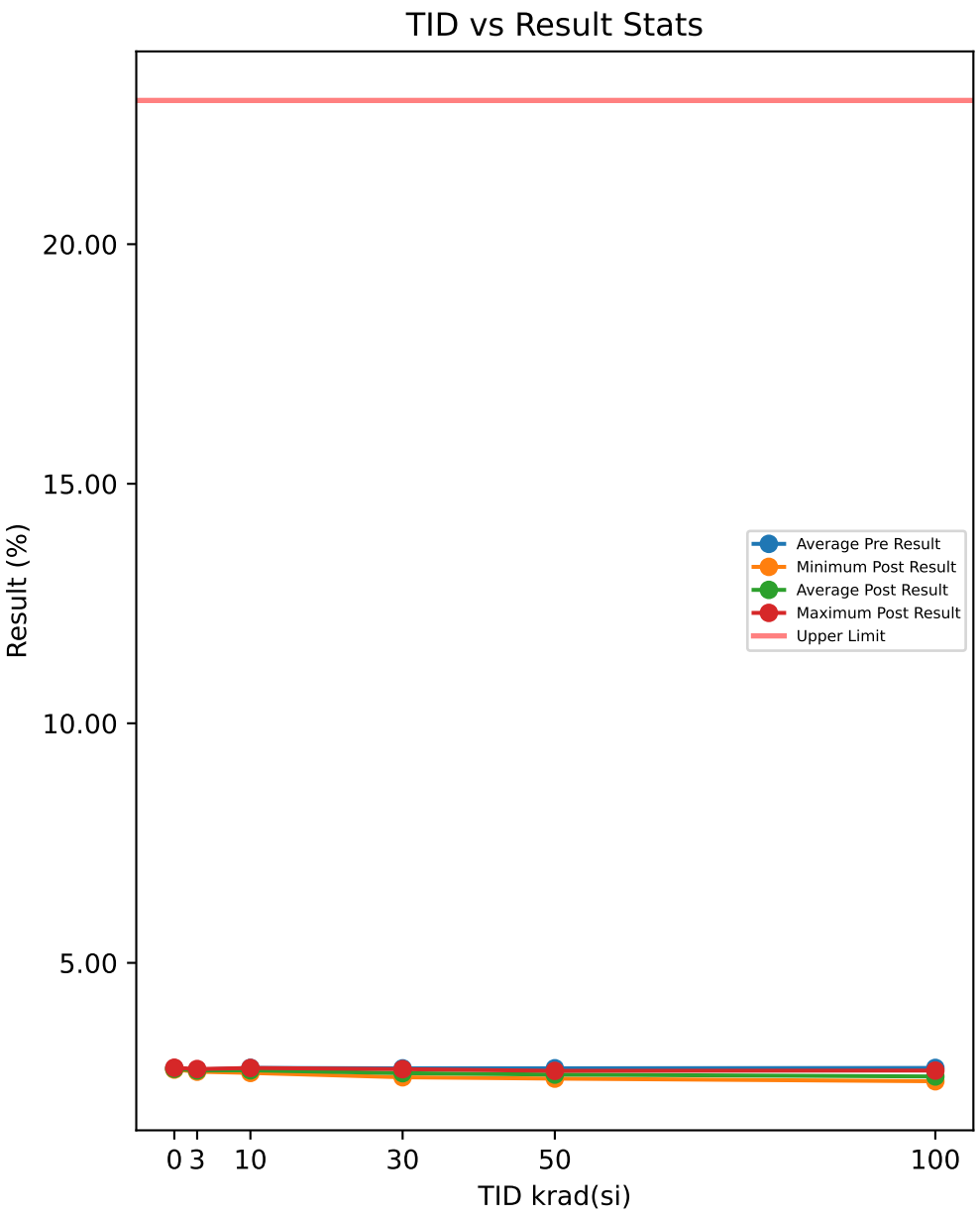
Test Results (Upper Limit = 23.0 (%))

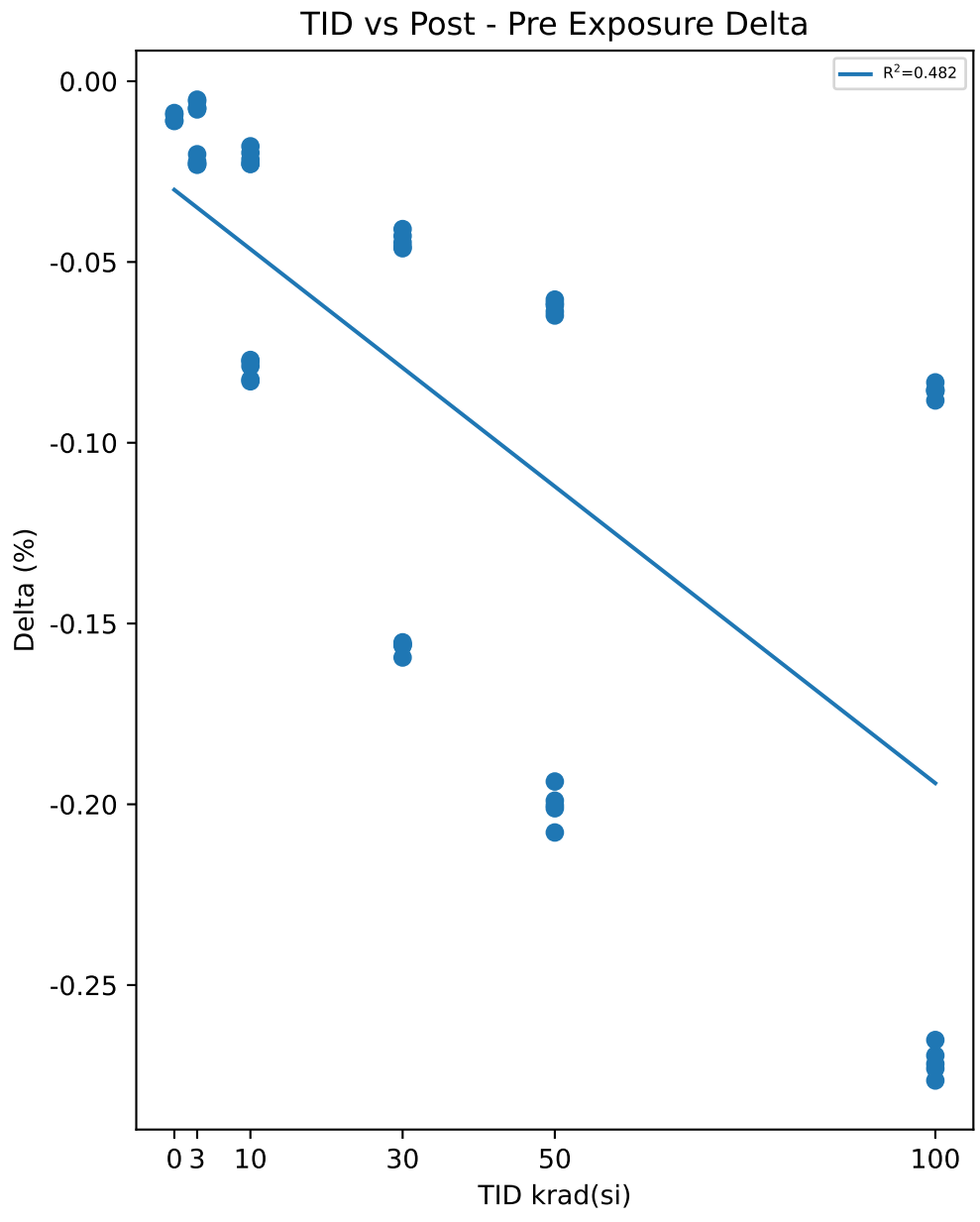
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.7892	2.7822	-0.007
3	3	Biased	2.8204	2.811	-0.0094
4	3	Biased	2.8037	2.7925	-0.0112
5	3	Biased	2.8152	2.8045	-0.0107
6	3	Biased	2.8066	2.7954	-0.0112
7	3	Unbiased	2.8034	2.7969	-0.0065
8	3	Unbiased	2.797	2.7923	-0.0047
9	3	Unbiased	2.8103	2.8023	-0.008
10	3	Unbiased	2.8083	2.8028	-0.0055
11	3	Unbiased	2.8182	2.8115	-0.0067
12	10	Unbiased	2.8357	2.8163	-0.0194
13	10	Unbiased	2.8389	2.8217	-0.0172
14	10	Unbiased	2.8415	2.819	-0.0225
15	10	Unbiased	2.8224	2.8001	-0.0223
16	10	Unbiased	2.8469	2.8235	-0.0234
17	10	Biased	2.8274	2.788	-0.0394
18	10	Biased	2.8442	2.8033	-0.0409
19	10	Biased	2.8962	2.8555	-0.0407
20	10	Biased	2.8182	2.7755	-0.0427
21	10	Biased	2.8317	2.7929	-0.0388
22	30	Biased	2.8459	2.785	-0.0609
23	30	Biased	2.8479	2.7858	-0.0621
24	30	Biased	2.8304	2.7718	-0.0586
25	30	Biased	2.8137	2.7472	-0.0665
26	30	Biased	2.8272	2.7643	-0.0629
27	30	Unbiased	2.8373	2.7948	-0.0425
28	30	Unbiased	2.8347	2.7948	-0.0399
29	30	Unbiased	2.8211	2.7762	-0.0449
30	30	Unbiased	2.822	2.779	-0.043
31	30	Unbiased	2.8717	2.8261	-0.0456
32	50	Biased	2.8372	2.7671	-0.0701
33	50	Biased	2.8094	2.7415	-0.0679
34	50	Biased	2.8309	2.7592	-0.0717
35	50	Biased	2.844	2.7728	-0.0712
36	50	Biased	2.8527	2.7818	-0.0709
37	50	Unbiased	2.8262	2.7679	-0.0583
39	50	Unbiased	2.8437	2.7802	-0.0635
40	50	Unbiased	2.8408	2.7792	-0.0616
41	50	Unbiased	2.8328	2.7698	-0.063
42	50	Unbiased	2.838	2.7755	-0.0625
43	100	Biased	2.8582	2.7652	-0.093
44	100	Biased	2.823	2.7343	-0.0887
45	100	Biased	2.8454	2.7565	-0.0889
46	100	Biased	2.8434	2.7541	-0.0893
47	100	Biased	2.857	2.7689	-0.0881
48	100	Unbiased	2.8182	2.7343	-0.0839
49	100	Unbiased	2.8124	2.7254	-0.087
50	100	Unbiased	2.8283	2.7448	-0.0835
51	100	Unbiased	2.872	2.7849	-0.0871
52	100	Unbiased	2.844	2.7606	-0.0834
53	0	Correlation	2.8267	2.8178	-0.0089
54	0	Correlation	2.8374	2.8277	-0.0097
55	0	Correlation	2.828	2.8174	-0.0106
56	0	Correlation	2.8509	2.8413	-0.0096

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	2.8267	2.8357	2.8509	0.011169	2.8174	2.826	2.8413	0.011227	-0.0106	-0.0097	-0.0089	0.00069761
3	2.7892	2.8072	2.8204	0.0095751	2.7822	2.7991	2.8115	0.0090822	-0.0112	-0.00809	-0.0047	0.0023974
10	2.8182	2.8403	2.8962	0.021749	2.7755	2.8096	2.8555	0.022652	-0.0427	-0.03073	-0.0172	0.01049
30	2.8137	2.8352	2.8717	0.016783	2.7472	2.7825	2.8261	0.020988	-0.0665	-0.05269	-0.0399	0.010318
50	2.8094	2.8356	2.8527	0.011873	2.7415	2.7695	2.7818	0.012043	-0.0717	-0.06607	-0.0583	0.0048312
100	2.8124	2.8402	2.872	0.019332	2.7254	2.7529	2.7849	0.018314	-0.093	-0.08729	-0.0834	0.0030366

Device Test: 6.134; VOL_RESET_10MA





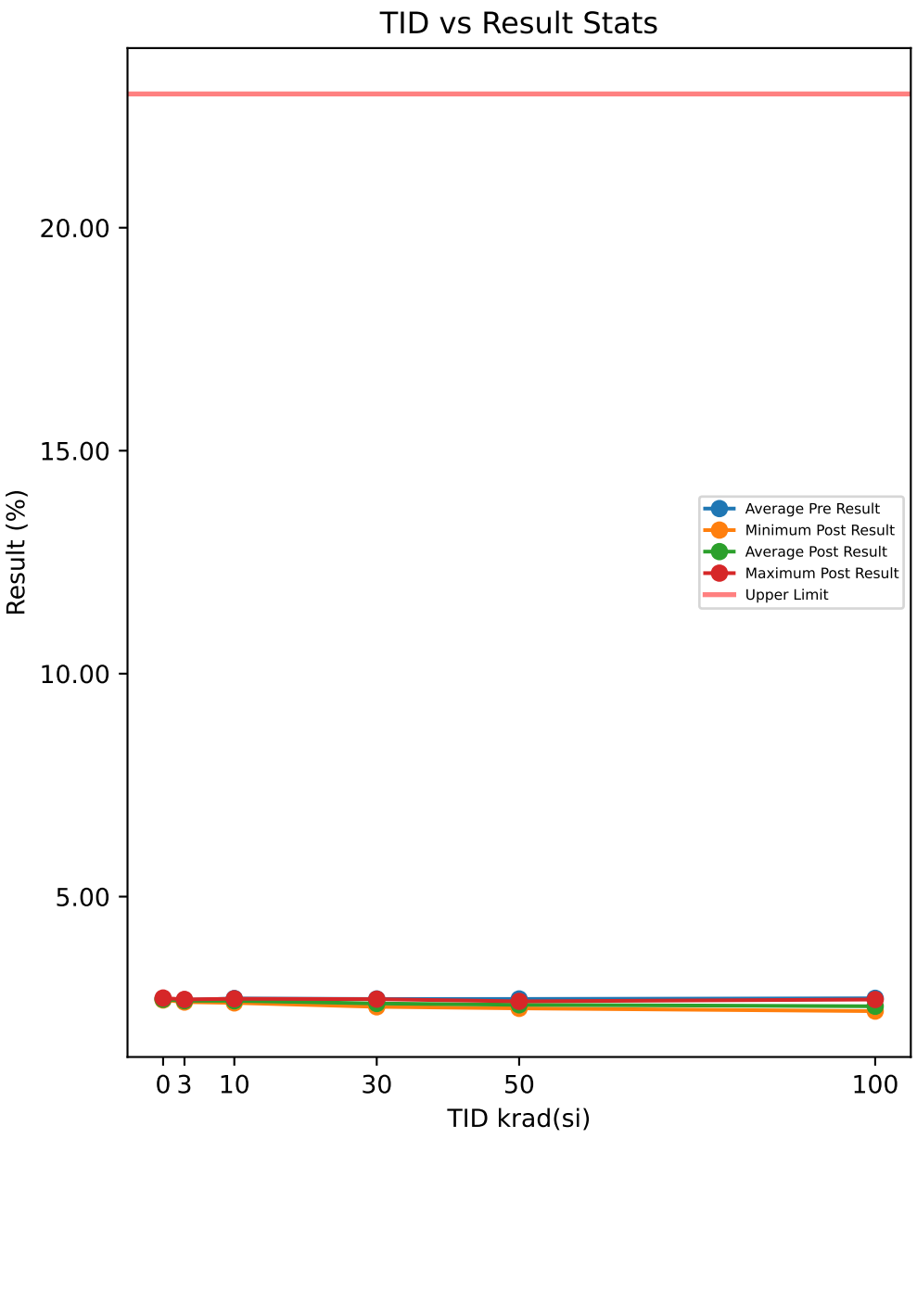
Test Results (Upper Limit = 23.0 (%))

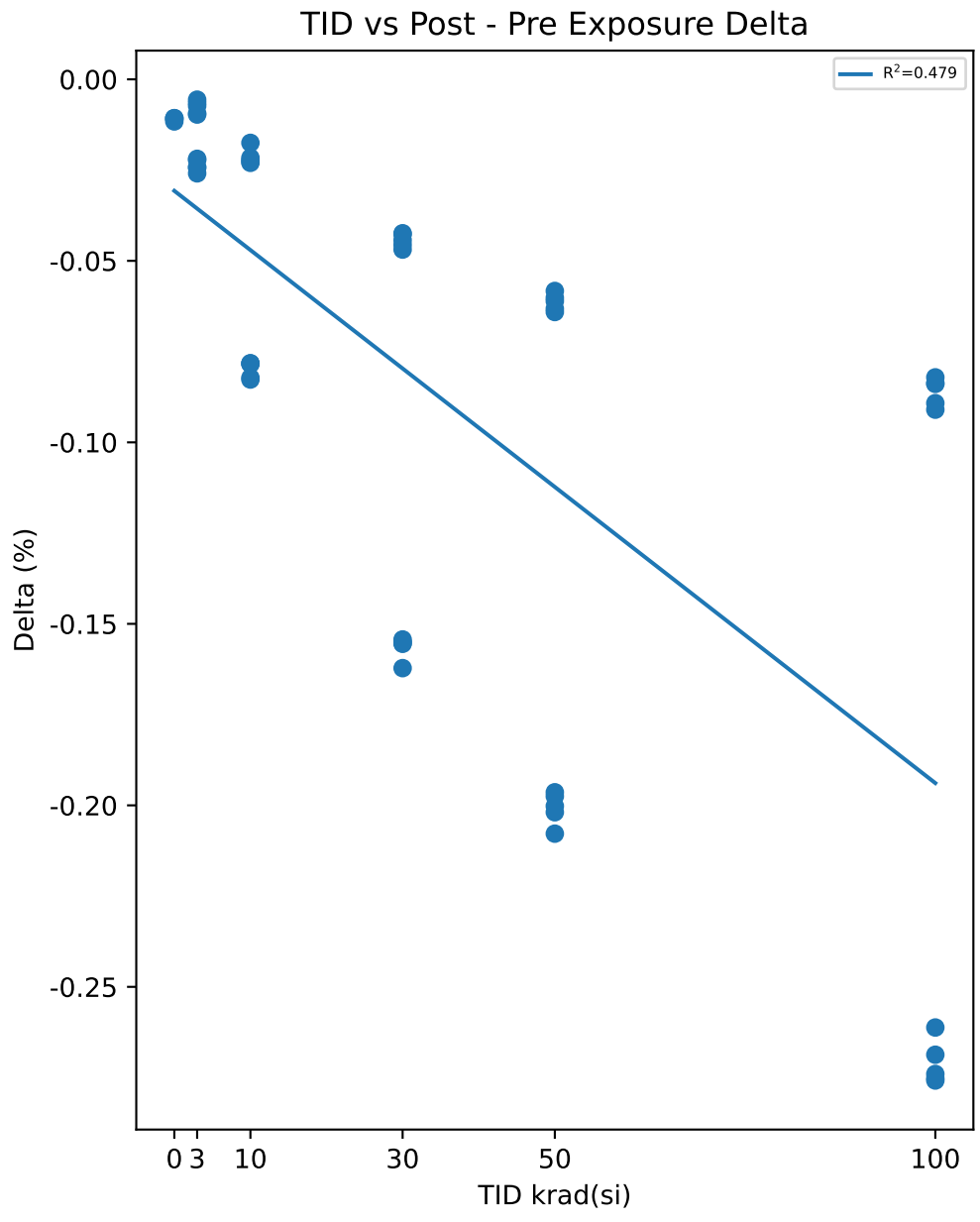
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.7487	2.7285	-0.0202
3	3	Biased	2.7881	2.765	-0.0231
4	3	Biased	2.7529	2.7299	-0.023
5	3	Biased	2.7863	2.7636	-0.0227
6	3	Biased	2.7511	2.7289	-0.0222
7	3	Unbiased	2.7508	2.7453	-0.0055
8	3	Unbiased	2.7684	2.7633	-0.0051
9	3	Unbiased	2.7915	2.7841	-0.0074
10	3	Unbiased	2.7648	2.7574	-0.0074
11	3	Unbiased	2.7842	2.7764	-0.0078
12	10	Unbiased	2.8098	2.79	-0.0198
13	10	Unbiased	2.8241	2.8061	-0.018
14	10	Unbiased	2.7935	2.7719	-0.0216
15	10	Unbiased	2.7971	2.7743	-0.0228
16	10	Unbiased	2.8111	2.7882	-0.0229
17	10	Biased	2.7987	2.7216	-0.0771
18	10	Biased	2.8051	2.7221	-0.083
19	10	Biased	2.8534	2.7746	-0.0788
20	10	Biased	2.7853	2.7028	-0.0825
21	10	Biased	2.7948	2.7173	-0.0775
22	30	Biased	2.8104	2.6547	-0.1557
23	30	Biased	2.8159	2.66	-0.1559
24	30	Biased	2.7938	2.6386	-0.1552
25	30	Biased	2.7714	2.612	-0.1594
26	30	Biased	2.7954	2.6393	-0.1561
27	30	Unbiased	2.7945	2.7517	-0.0428
28	30	Unbiased	2.7934	2.7525	-0.0409
29	30	Unbiased	2.7801	2.7339	-0.0462
30	30	Unbiased	2.7981	2.7535	-0.0446
31	30	Unbiased	2.8274	2.7816	-0.0458
32	50	Biased	2.8	2.601	-0.199
33	50	Biased	2.7778	2.5841	-0.1937
34	50	Biased	2.7909	2.5906	-0.2003
35	50	Biased	2.8203	2.6125	-0.2078
36	50	Biased	2.8131	2.612	-0.2011
37	50	Unbiased	2.7856	2.7252	-0.0604
39	50	Unbiased	2.8022	2.7374	-0.0648
40	50	Unbiased	2.8081	2.7461	-0.062
41	50	Unbiased	2.7996	2.7359	-0.0637
42	50	Unbiased	2.7994	2.738	-0.0614
43	100	Biased	2.8396	2.5665	-0.2731
44	100	Biased	2.8053	2.5289	-0.2764
45	100	Biased	2.8113	2.5418	-0.2695
46	100	Biased	2.81	2.5448	-0.2652
47	100	Biased	2.8122	2.5404	-0.2718
48	100	Unbiased	2.7805	2.695	-0.0855
49	100	Unbiased	2.7856	2.6973	-0.0883
50	100	Unbiased	2.7843	2.701	-0.0833
51	100	Unbiased	2.8379	2.7521	-0.0858
52	100	Unbiased	2.8039	2.7186	-0.0853
53	0	Correlation	2.7819	2.7726	-0.0093
54	0	Correlation	2.8	2.7912	-0.0088
55	0	Correlation	2.786	2.775	-0.011
56	0	Correlation	2.8223	2.8114	-0.0109

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	2.7819	2.7975	2.8223	0.018229	2.7726	2.7875	2.8114	0.017918	-0.011	-0.01	-0.0088	0.0011165
3	2.7487	2.7687	2.7915	0.017453	2.7285	2.7542	2.7841	0.020153	-0.0231	-0.01444	-0.0051	0.0083017
10	2.7853	2.8073	2.8534	0.019555	2.7028	2.7569	2.8061	0.036952	-0.083	-0.0504	-0.018	0.031057
30	2.7714	2.798	2.8274	0.016412	2.612	2.6978	2.7816	0.062272	-0.1594	-0.10026	-0.0409	0.059269
50	2.7778	2.7997	2.8203	0.012635	2.5841	2.6683	2.7461	0.072597	-0.2078	-0.13142	-0.0604	0.072778
100	2.7805	2.8071	2.8396	0.02044	2.5289	2.6286	2.7521	0.090588	-0.2764	-0.17842	-0.0833	0.097846

Device Test: 6.135; VOL_RESET_10MA





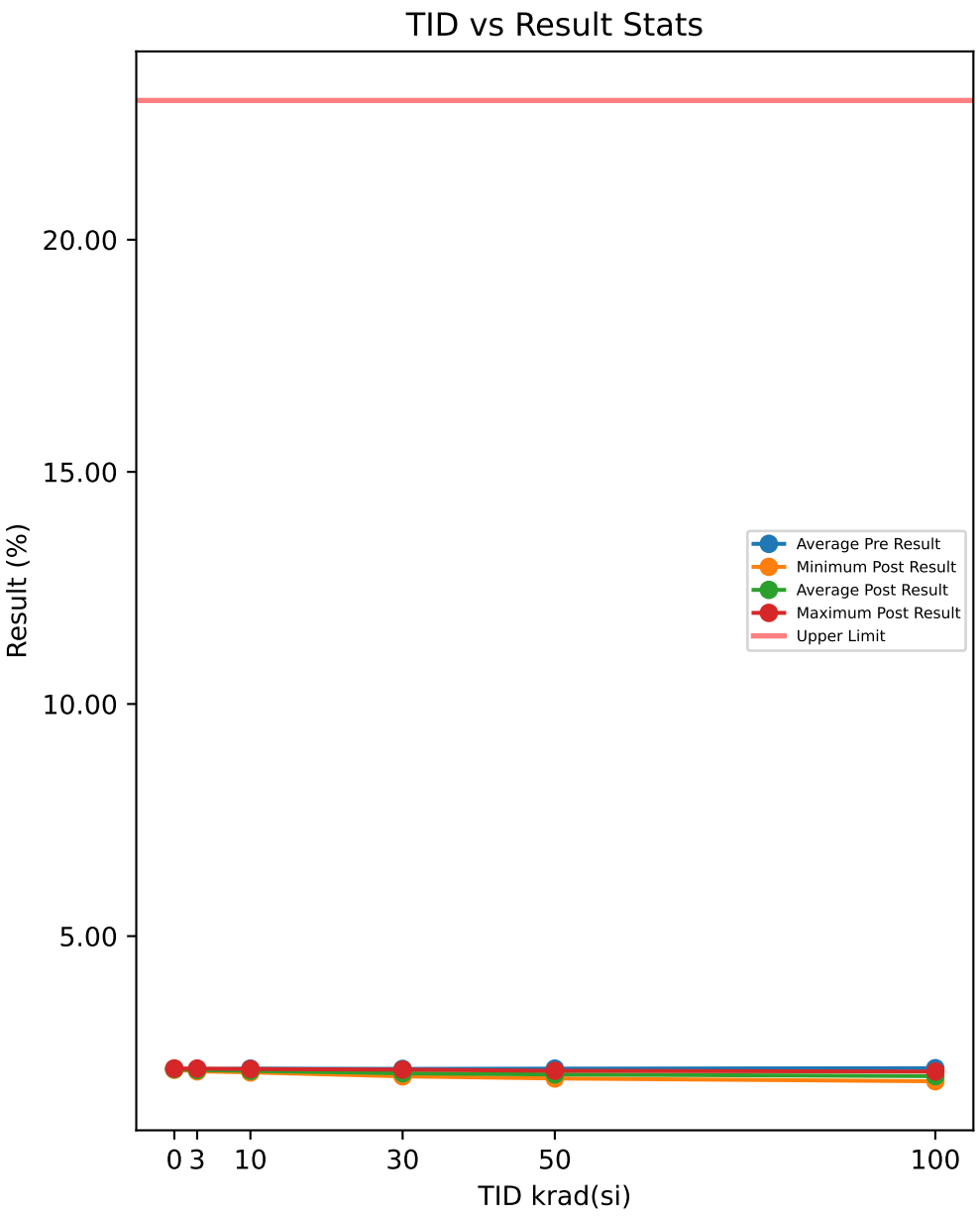
Test Results (Upper Limit = 23.0 (%))

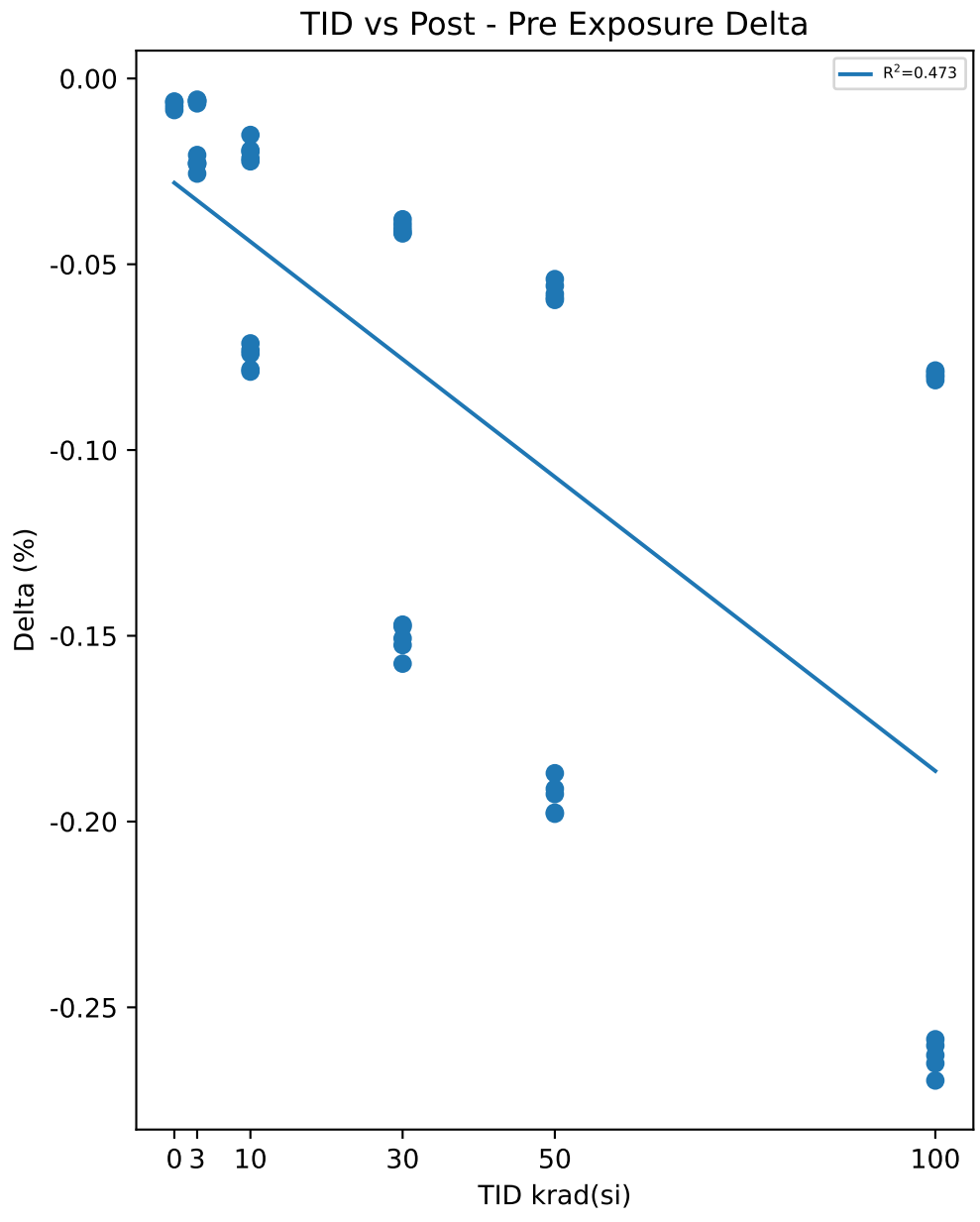
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.6668	2.6446	-0.0222
3	3	Biased	2.7078	2.6819	-0.0259
4	3	Biased	2.6578	2.6359	-0.0219
5	3	Biased	2.6999	2.6756	-0.0243
6	3	Biased	2.6605	2.6363	-0.0242
7	3	Unbiased	2.6616	2.6543	-0.0073
8	3	Unbiased	2.6733	2.6668	-0.0065
9	3	Unbiased	2.7049	2.6952	-0.0097
10	3	Unbiased	2.6758	2.6702	-0.0056
11	3	Unbiased	2.704	2.6946	-0.0094
12	10	Unbiased	2.7143	2.6927	-0.0216
13	10	Unbiased	2.7159	2.6984	-0.0175
14	10	Unbiased	2.7006	2.6776	-0.023
15	10	Unbiased	2.6902	2.668	-0.0222
16	10	Unbiased	2.732	2.7093	-0.0227
17	10	Biased	2.72	2.6418	-0.0782
18	10	Biased	2.722	2.6398	-0.0822
19	10	Biased	2.7505	2.6721	-0.0784
20	10	Biased	2.7001	2.6174	-0.0827
21	10	Biased	2.7054	2.6271	-0.0783
22	30	Biased	2.7103	2.5554	-0.1549
23	30	Biased	2.7209	2.5656	-0.1553
24	30	Biased	2.6953	2.541	-0.1543
25	30	Biased	2.6916	2.5294	-0.1622
26	30	Biased	2.6951	2.5396	-0.1555
27	30	Unbiased	2.7039	2.6583	-0.0456
28	30	Unbiased	2.7081	2.6657	-0.0424
29	30	Unbiased	2.6804	2.6361	-0.0443
30	30	Unbiased	2.6887	2.646	-0.0427
31	30	Unbiased	2.7477	2.7008	-0.0469
32	50	Biased	2.7082	2.5107	-0.1975
33	50	Biased	2.6921	2.4957	-0.1964
34	50	Biased	2.6949	2.4947	-0.2002
35	50	Biased	2.7248	2.517	-0.2078
36	50	Biased	2.7211	2.5192	-0.2019
37	50	Unbiased	2.6863	2.628	-0.0583
39	50	Unbiased	2.7147	2.6515	-0.0632
40	50	Unbiased	2.7004	2.6393	-0.0611
41	50	Unbiased	2.7073	2.6432	-0.0641
42	50	Unbiased	2.7033	2.6431	-0.0602
43	100	Biased	2.7477	2.4737	-0.274
44	100	Biased	2.7077	2.4325	-0.2752
45	100	Biased	2.7126	2.4439	-0.2687
46	100	Biased	2.7111	2.4499	-0.2612
47	100	Biased	2.742	2.4662	-0.2758
48	100	Unbiased	2.6871	2.6032	-0.0839
49	100	Unbiased	2.7072	2.618	-0.0892
50	100	Unbiased	2.6923	2.6102	-0.0821
51	100	Unbiased	2.7837	2.6927	-0.091
52	100	Unbiased	2.7082	2.6245	-0.0837
53	0	Correlation	2.693	2.6823	-0.0107
54	0	Correlation	2.705	2.6941	-0.0109
55	0	Correlation	2.6927	2.682	-0.0107
56	0	Correlation	2.7377	2.7261	-0.0116

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	2.6927	2.7071	2.7377	0.021189	2.682	2.6961	2.7261	0.020763	-0.0116	-0.010975	-0.0107	0.0004272
3	2.6578	2.6812	2.7078	0.020542	2.6359	2.6655	2.6952	0.022148	-0.0259	-0.0157	-0.0056	0.0085884
10	2.6902	2.7151	2.7505	0.017515	2.6174	2.6644	2.7093	0.031509	-0.0827	-0.05068	-0.0175	0.030937
30	2.6804	2.7042	2.7477	0.019296	2.5294	2.6038	2.7008	0.063629	-0.1622	-0.10041	-0.0424	0.059114
50	2.6863	2.7053	2.7248	0.012481	2.4947	2.5742	2.6515	0.071046	-0.2078	-0.13107	-0.0583	0.073537
100	2.6871	2.72	2.7837	0.029339	2.4325	2.5415	2.6927	0.09672	-0.2758	-0.17848	-0.0821	0.097624

Device Test: 6.136; VOL_WDO_10MA





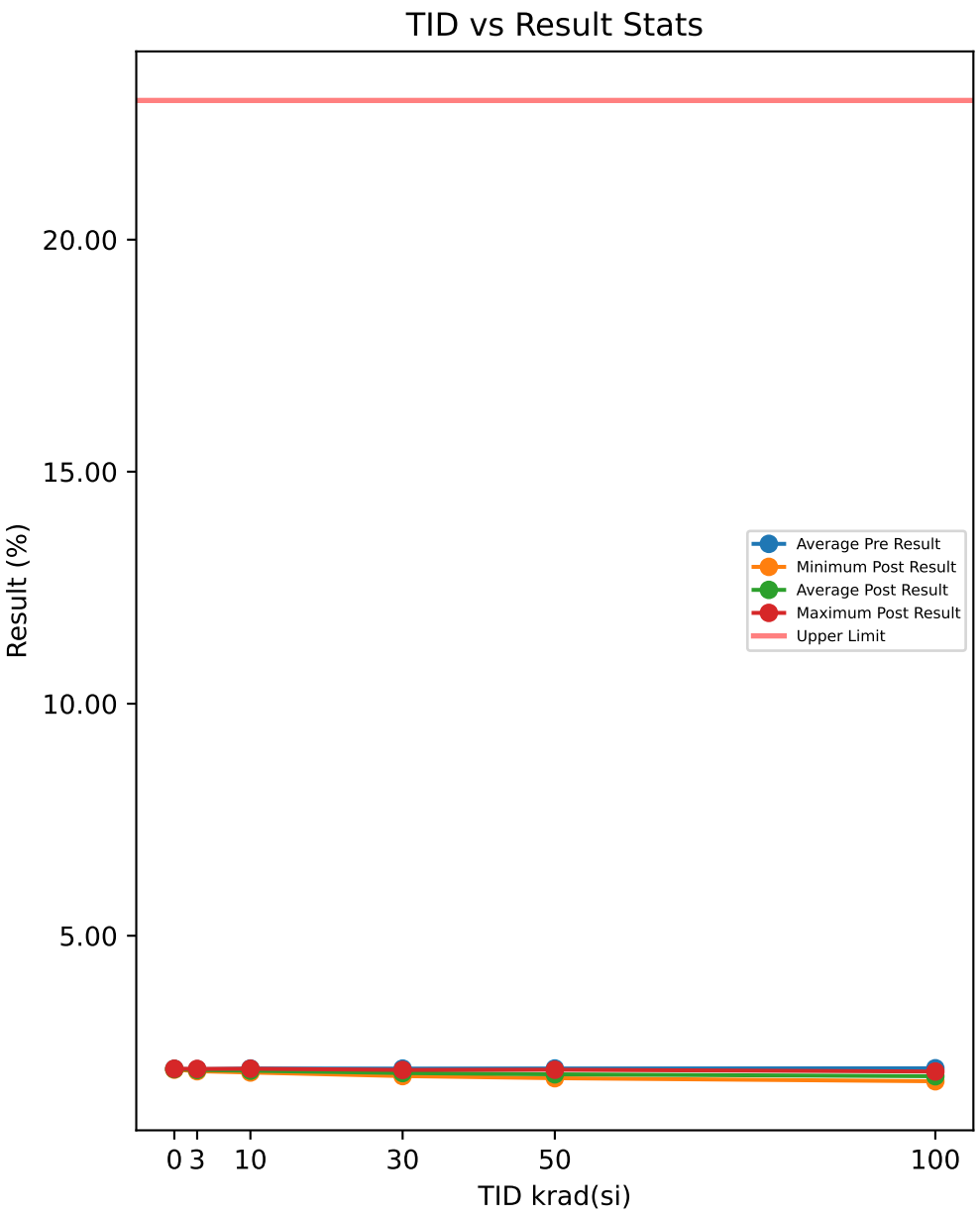
Test Results (Upper Limit = 23.0 (%))

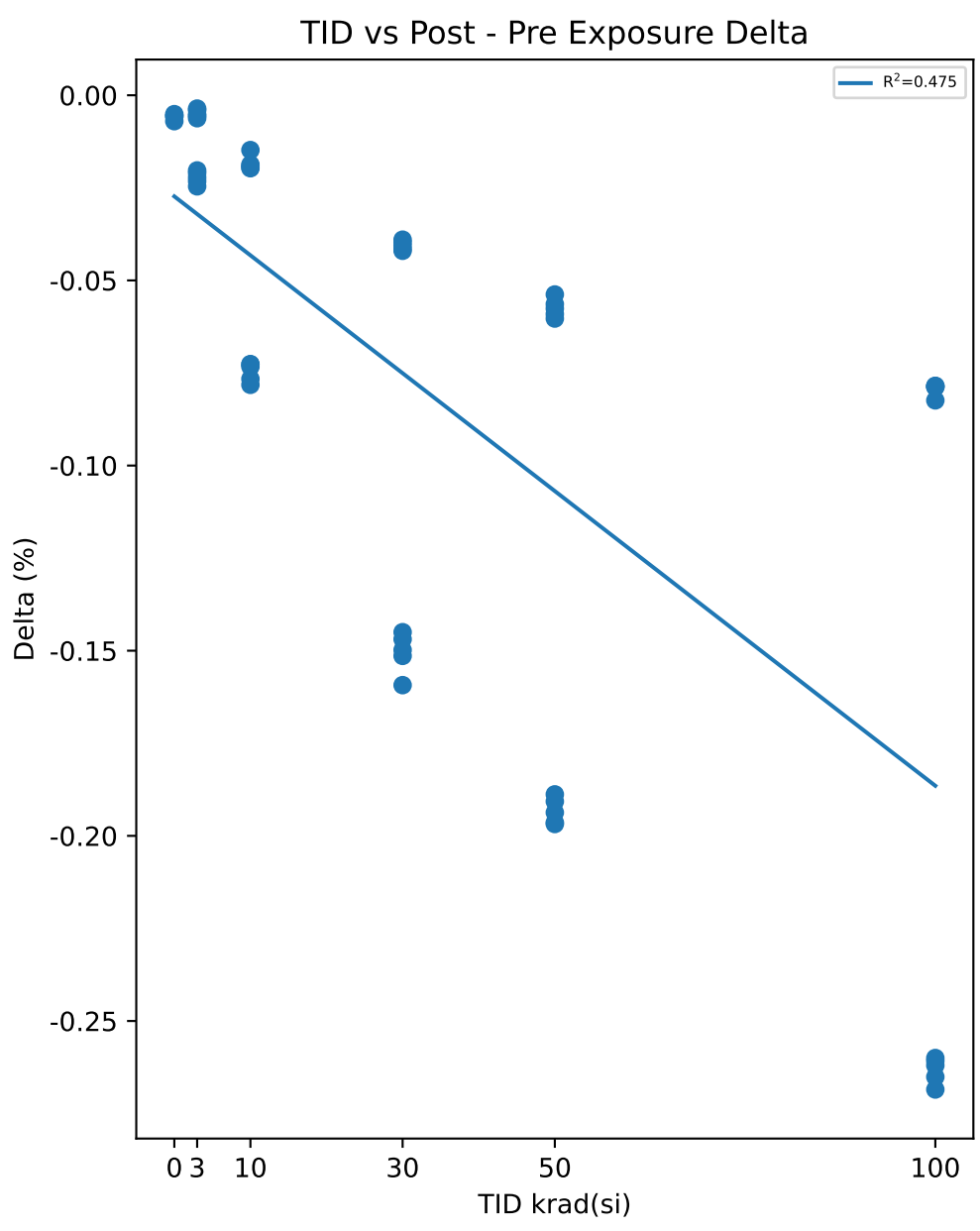
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.1114	2.0908	-0.0206
3	3	Biased	2.1412	2.1156	-0.0256
4	3	Biased	2.1111	2.0884	-0.0227
5	3	Biased	2.1298	2.1068	-0.023
6	3	Biased	2.1292	2.1063	-0.0229
7	3	Unbiased	2.1366	2.1305	-0.0061
8	3	Unbiased	2.1314	2.1257	-0.0057
9	3	Unbiased	2.153	2.147	-0.006
10	3	Unbiased	2.1368	2.1308	-0.006
11	3	Unbiased	2.1293	2.1226	-0.0067
12	10	Unbiased	2.1496	2.1303	-0.0193
13	10	Unbiased	2.1368	2.1216	-0.0152
14	10	Unbiased	2.1297	2.11	-0.0197
15	10	Unbiased	2.1371	2.1148	-0.0223
16	10	Unbiased	2.1578	2.1363	-0.0215
17	10	Biased	2.1619	2.0888	-0.0731
18	10	Biased	2.1473	2.069	-0.0783
19	10	Biased	2.147	2.0757	-0.0713
20	10	Biased	2.1476	2.0687	-0.0789
21	10	Biased	2.1384	2.0643	-0.0741
22	30	Biased	2.1317	1.9792	-0.1525
23	30	Biased	2.1345	1.9875	-0.147
24	30	Biased	2.1377	1.987	-0.1507
25	30	Biased	2.1431	1.9856	-0.1575
26	30	Biased	2.1401	1.9926	-0.1475
27	30	Unbiased	2.1369	2.0977	-0.0392
28	30	Unbiased	2.1532	2.1153	-0.0379
29	30	Unbiased	2.1318	2.0901	-0.0417
30	30	Unbiased	2.1231	2.0827	-0.0404
31	30	Unbiased	2.1647	2.1233	-0.0414
32	50	Biased	2.1474	1.9498	-0.1976
33	50	Biased	2.1403	1.9533	-0.187
34	50	Biased	2.1253	1.9341	-0.1912
35	50	Biased	2.1479	1.95	-0.1979
36	50	Biased	2.1624	1.9698	-0.1926
37	50	Unbiased	2.1284	2.0744	-0.054
39	50	Unbiased	2.144	2.085	-0.059
40	50	Unbiased	2.1472	2.0914	-0.0558
41	50	Unbiased	2.1559	2.0963	-0.0596
42	50	Unbiased	2.1564	2.0984	-0.058
43	100	Biased	2.174	1.9137	-0.2603
44	100	Biased	2.1389	1.8738	-0.2651
45	100	Biased	2.1541	1.8912	-0.2629
46	100	Biased	2.1647	1.9061	-0.2586
47	100	Biased	2.1732	1.9035	-0.2697
48	100	Unbiased	2.1359	2.0573	-0.0786
49	100	Unbiased	2.145	2.0638	-0.0812
50	100	Unbiased	2.1493	2.0702	-0.0791
51	100	Unbiased	2.1628	2.0825	-0.0803
52	100	Unbiased	2.1545	2.0746	-0.0799
53	0	Correlation	2.1435	2.1373	-0.0062
54	0	Correlation	2.1278	2.1214	-0.0064
55	0	Correlation	2.1369	2.1294	-0.0075
56	0	Correlation	2.1572	2.1487	-0.0085

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	2.1278	2.1414	2.1572	0.012373	2.1214	2.1342	2.1487	0.011644	-0.0085	-0.00715	-0.0062	0.0010661
3	2.1111	2.131	2.153	0.012653	2.0884	2.1164	2.147	0.018564	-0.0256	-0.01453	-0.0057	0.0089678
10	2.1297	2.1453	2.1619	0.0099607	2.0643	2.0979	2.1363	0.02771	-0.0789	-0.04737	-0.0152	0.029413
30	2.1231	2.1397	2.1647	0.011831	1.9792	2.0441	2.1233	0.061978	-0.1575	-0.09558	-0.0379	0.058539
50	2.1253	2.1455	2.1624	0.011807	1.9341	2.0202	2.0984	0.073353	-0.1979	-0.12527	-0.054	0.07175
100	2.1359	2.1552	2.174	0.013351	1.8738	1.9837	2.0825	0.091486	-0.2697	-0.17157	-0.0786	0.096759

Device Test: 6.137; VOL_PWRGD_10MA





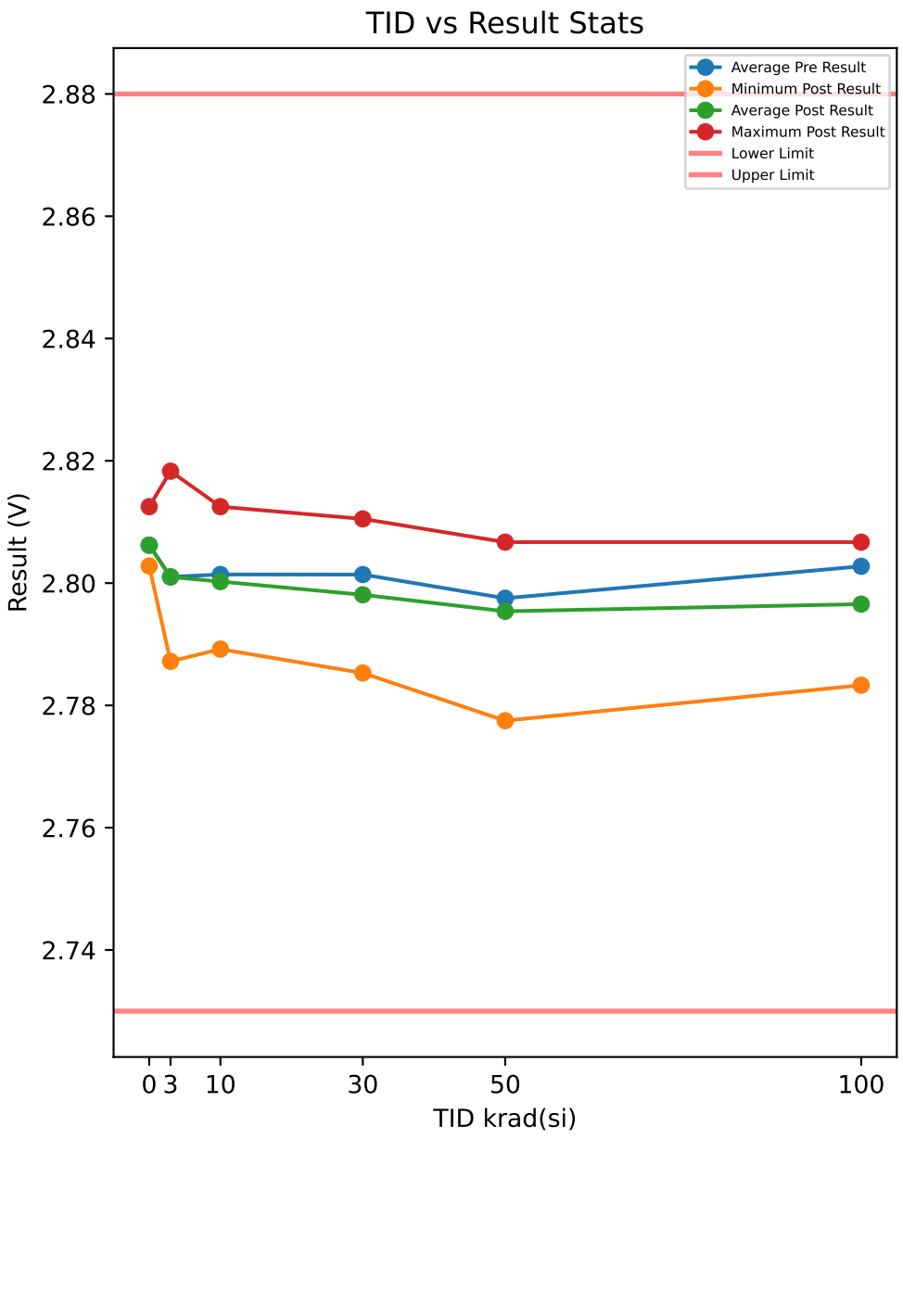
Test Results (Upper Limit = 23.0 (%))

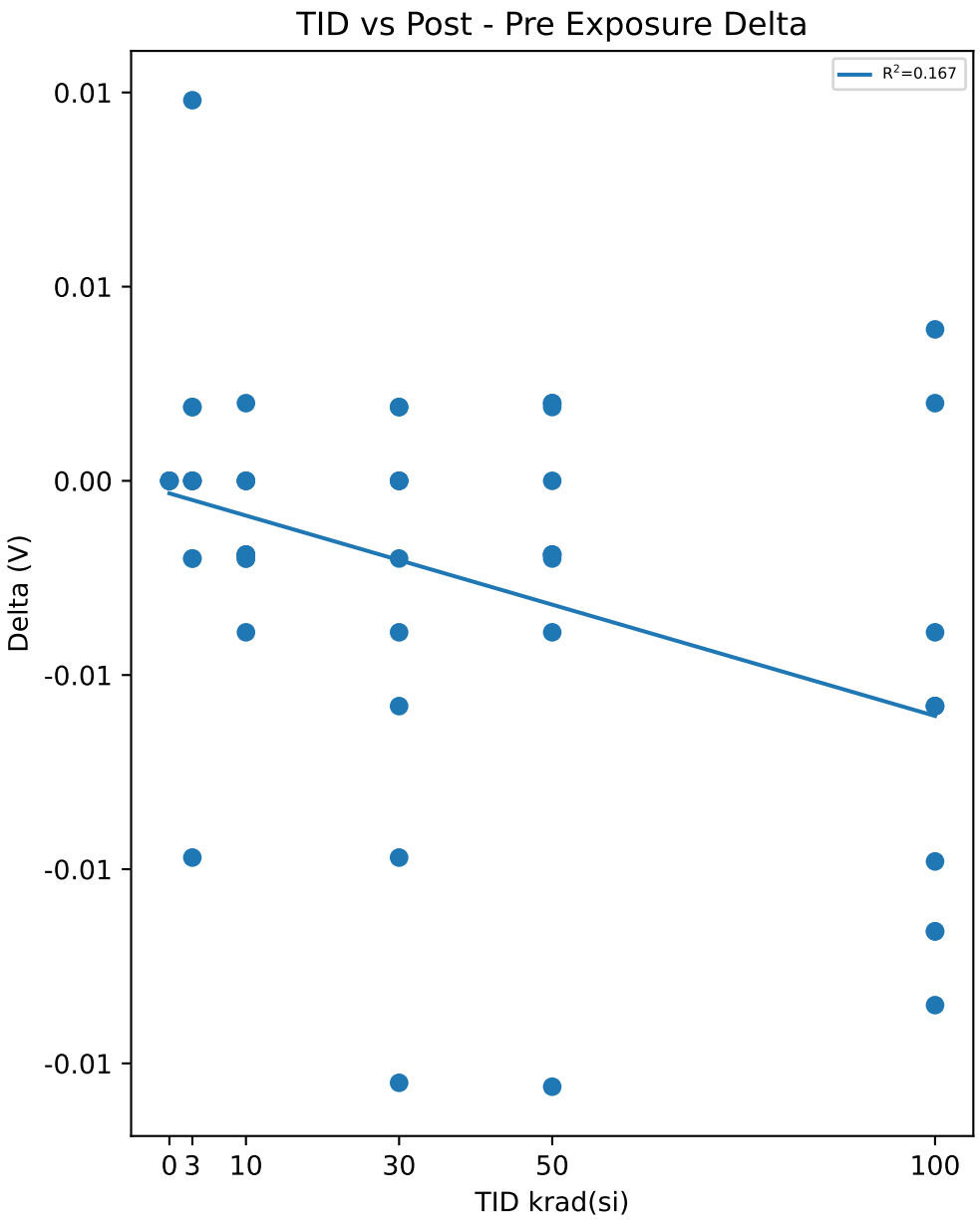
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.1096	2.0893	-0.0203
3	3	Biased	2.1296	2.105	-0.0246
4	3	Biased	2.1014	2.0804	-0.021
5	3	Biased	2.121	2.0988	-0.0222
6	3	Biased	2.1122	2.089	-0.0232
7	3	Unbiased	2.1263	2.1211	-0.0052
8	3	Unbiased	2.1172	2.1132	-0.004
9	3	Unbiased	2.1363	2.1301	-0.0062
10	3	Unbiased	2.1329	2.1293	-0.0036
11	3	Unbiased	2.1206	2.115	-0.0056
12	10	Unbiased	2.1479	2.1289	-0.019
13	10	Unbiased	2.1483	2.1335	-0.0148
14	10	Unbiased	2.1265	2.1068	-0.0197
15	10	Unbiased	2.1368	2.1173	-0.0195
16	10	Unbiased	2.1387	2.12	-0.0187
17	10	Biased	2.1376	2.0643	-0.0733
18	10	Biased	2.129	2.0524	-0.0766
19	10	Biased	2.1502	2.0775	-0.0727
20	10	Biased	2.1316	2.0534	-0.0782
21	10	Biased	2.1313	2.0587	-0.0726
22	30	Biased	2.1266	1.9752	-0.1514
23	30	Biased	2.1298	1.9829	-0.1469
24	30	Biased	2.1464	1.9966	-0.1498
25	30	Biased	2.1452	1.9859	-0.1593
26	30	Biased	2.121	1.976	-0.145
27	30	Unbiased	2.1391	2.0985	-0.0406
28	30	Unbiased	2.1449	2.1052	-0.0397
29	30	Unbiased	2.1251	2.0831	-0.042
30	30	Unbiased	2.1356	2.0966	-0.039
31	30	Unbiased	2.1489	2.1074	-0.0415
32	50	Biased	2.1397	1.9429	-0.1968
33	50	Biased	2.1361	1.9473	-0.1888
34	50	Biased	2.1234	1.9297	-0.1937
35	50	Biased	2.1301	1.9337	-0.1964
36	50	Biased	2.1442	1.9535	-0.1907
37	50	Unbiased	2.1275	2.0737	-0.0538
39	50	Unbiased	2.1464	2.0861	-0.0603
40	50	Unbiased	2.1697	2.1121	-0.0576
41	50	Unbiased	2.1361	2.077	-0.0591
42	50	Unbiased	2.1344	2.078	-0.0564
43	100	Biased	2.164	1.902	-0.262
44	100	Biased	2.1288	1.8637	-0.2651
45	100	Biased	2.1376	1.8776	-0.26
46	100	Biased	2.1631	1.9023	-0.2608
47	100	Biased	2.1512	1.8827	-0.2685
48	100	Unbiased	2.1279	2.0492	-0.0787
49	100	Unbiased	2.133	2.0506	-0.0824
50	100	Unbiased	2.1447	2.0659	-0.0788
51	100	Unbiased	2.1293	2.0508	-0.0785
52	100	Unbiased	2.152	2.0735	-0.0785
53	0	Correlation	2.1386	2.1335	-0.0051
54	0	Correlation	2.1213	2.1143	-0.007
55	0	Correlation	2.1233	2.1177	-0.0056
56	0	Correlation	2.1389	2.1332	-0.0057

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	2.1213	2.1305	2.1389	0.0095332	2.1143	2.1247	2.1335	0.010113	-0.007	-0.00585	-0.0051	0.00081035
3	2.1014	2.1207	2.1363	0.01097	2.0804	2.1071	2.1301	0.017474	-0.0246	-0.01359	-0.0036	0.0092391
10	2.1265	2.1378	2.1502	0.0085224	2.0524	2.0913	2.1335	0.03311	-0.0782	-0.04651	-0.0148	0.029773
30	2.121	2.1363	2.1489	0.0101	1.9752	2.0407	2.1074	0.061135	-0.1593	-0.09552	-0.039	0.058056
50	2.1234	2.1388	2.1697	0.012983	1.9297	2.0134	2.1121	0.076859	-0.1968	-0.12536	-0.0538	0.071652
100	2.1279	2.1432	2.164	0.013914	1.8637	1.9718	2.0735	0.091796	-0.2685	-0.17133	-0.0785	0.096959

Device Test: 6.138; UVLO_RISE





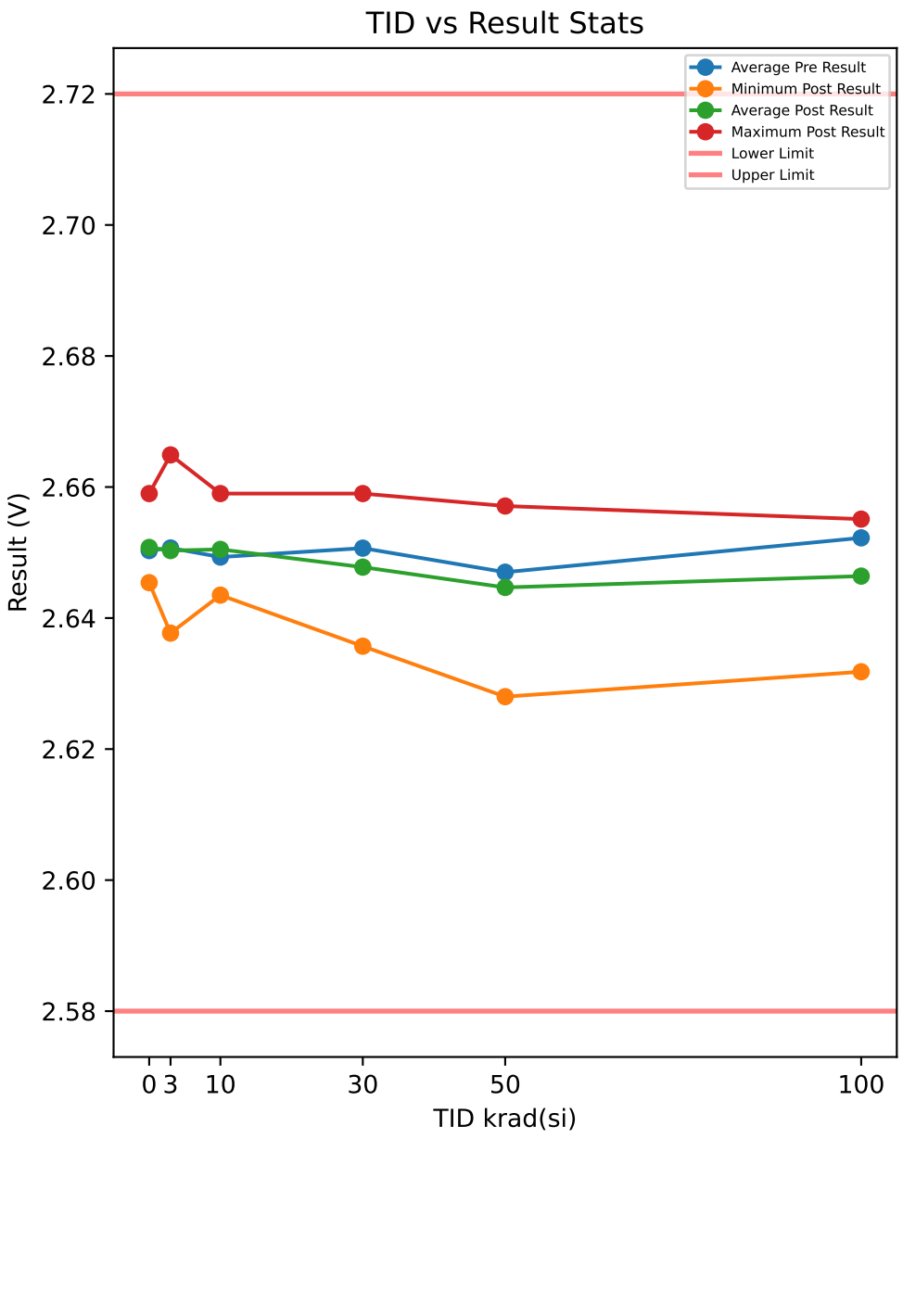
Test Results (Lower Limit = 2.73, Upper Limit = 2.88 (V))

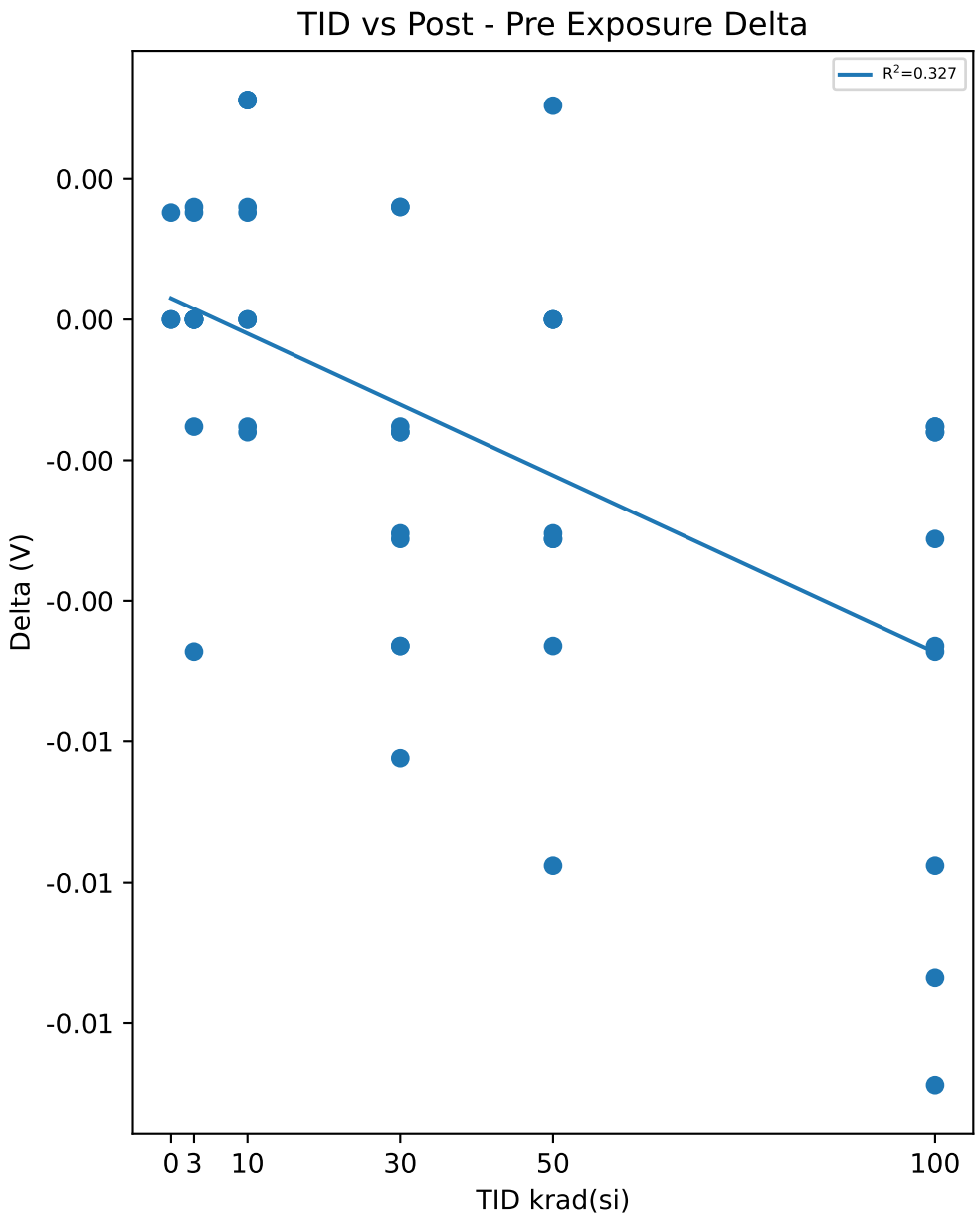
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.7989	2.8008	0.0019
3	3	Biased	2.7892	2.7892	0
4	3	Biased	2.7969	2.7872	-0.0097
5	3	Biased	2.8183	2.8183	0
6	3	Biased	2.7969	2.7969	0
7	3	Unbiased	2.7989	2.7989	0
8	3	Unbiased	2.7969	2.8067	0.0098
9	3	Unbiased	2.8028	2.8047	0.0019
10	3	Unbiased	2.8125	2.8105	-0.002
11	3	Unbiased	2.7989	2.7969	-0.002
12	10	Unbiased	2.8008	2.8008	0
13	10	Unbiased	2.8144	2.8125	-0.0019
14	10	Unbiased	2.8028	2.8008	-0.002
15	10	Unbiased	2.795	2.795	0
16	10	Unbiased	2.7969	2.7989	0.002
17	10	Biased	2.8008	2.7989	-0.0019
18	10	Biased	2.8047	2.8028	-0.0019
19	10	Biased	2.7931	2.7892	-0.0039
20	10	Biased	2.7931	2.7911	-0.002
21	10	Biased	2.8125	2.8125	0
22	30	Biased	2.8086	2.8105	0.0019
23	30	Biased	2.795	2.7853	-0.0097
24	30	Biased	2.8047	2.7892	-0.0155
25	30	Biased	2.7969	2.7911	-0.0058
26	30	Biased	2.7911	2.7911	0
27	30	Unbiased	2.8067	2.8086	0.0019
28	30	Unbiased	2.8008	2.7969	-0.0039
29	30	Unbiased	2.7969	2.7969	0
30	30	Unbiased	2.8125	2.8105	-0.002
31	30	Unbiased	2.8008	2.8008	0
32	50	Biased	2.7911	2.7911	0
33	50	Biased	2.7892	2.7853	-0.0039
34	50	Biased	2.7969	2.795	-0.0019
35	50	Biased	2.8008	2.7989	-0.0019
36	50	Biased	2.7931	2.7775	-0.0156
37	50	Unbiased	2.8028	2.8008	-0.002
39	50	Unbiased	2.7989	2.8008	0.0019
40	50	Unbiased	2.7969	2.7989	0.002
41	50	Unbiased	2.8047	2.8067	0.002
42	50	Unbiased	2.8008	2.7989	-0.0019
43	100	Biased	2.7931	2.7833	-0.0098
44	100	Biased	2.8047	2.7931	-0.0116
45	100	Biased	2.8202	2.8067	-0.0135
46	100	Biased	2.8105	2.8047	-0.0058
47	100	Biased	2.8047	2.7931	-0.0116
48	100	Unbiased	2.8047	2.8067	0.002
49	100	Unbiased	2.8008	2.7969	-0.0039
50	100	Unbiased	2.7911	2.795	0.0039
51	100	Unbiased	2.7969	2.7911	-0.0058
52	100	Unbiased	2.8008	2.795	-0.0058
53	0	Correlation	2.8028	2.8028	0
54	0	Correlation	2.8067	2.8067	0
55	0	Correlation	2.8028	2.8028	0
56	0	Correlation	2.8125	2.8125	0

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	2.8028	2.8062	2.8125	0.0045848	2.8028	2.8062	2.8125	0.0045848	0	0	0	0
3	2.7892	2.801	2.8183	0.0084174	2.7872	2.801	2.8183	0.0094485	-0.0097	-1e-05	0.0098	0.0047767
10	2.7931	2.8014	2.8144	0.007489	2.7892	2.8003	2.8125	0.0077765	-0.0039	-0.00116	0.002	0.0016527
30	2.7911	2.8014	2.8125	0.0066858	2.7853	2.7981	2.8105	0.0092436	-0.0155	-0.00331	0.0019	0.0056258
50	2.7892	2.7975	2.8047	0.0050946	2.7775	2.7954	2.8067	0.0085883	-0.0156	-0.00213	0.002	0.0051601
100	2.7911	2.8028	2.8202	0.0084764	2.7833	2.7966	2.8067	0.0075016	-0.0135	-0.00619	0.0039	0.0057695

Device Test: 6.139; UVLO_FALL





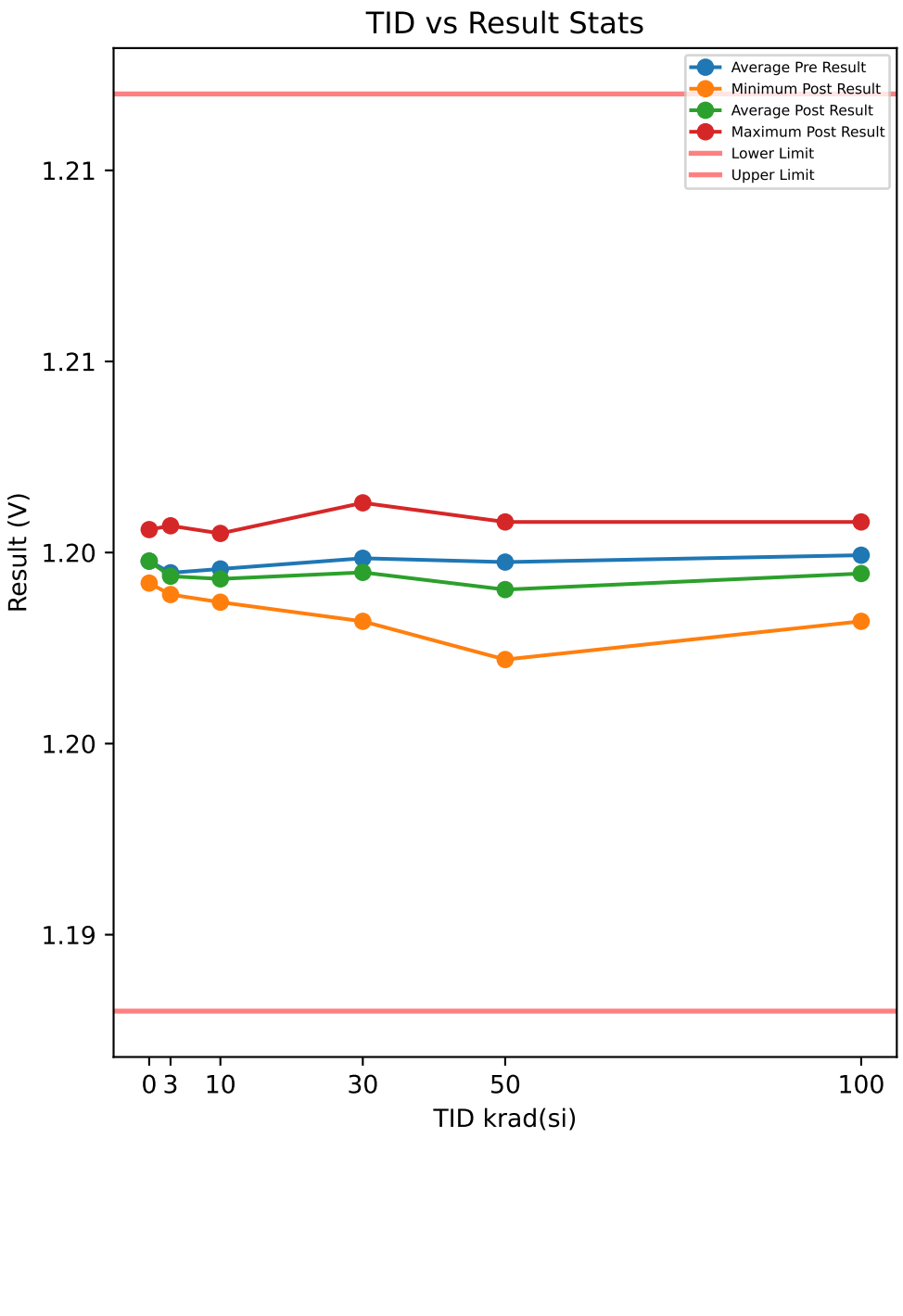
Test Results (Lower Limit = 2.58, Upper Limit = 2.72 (V))

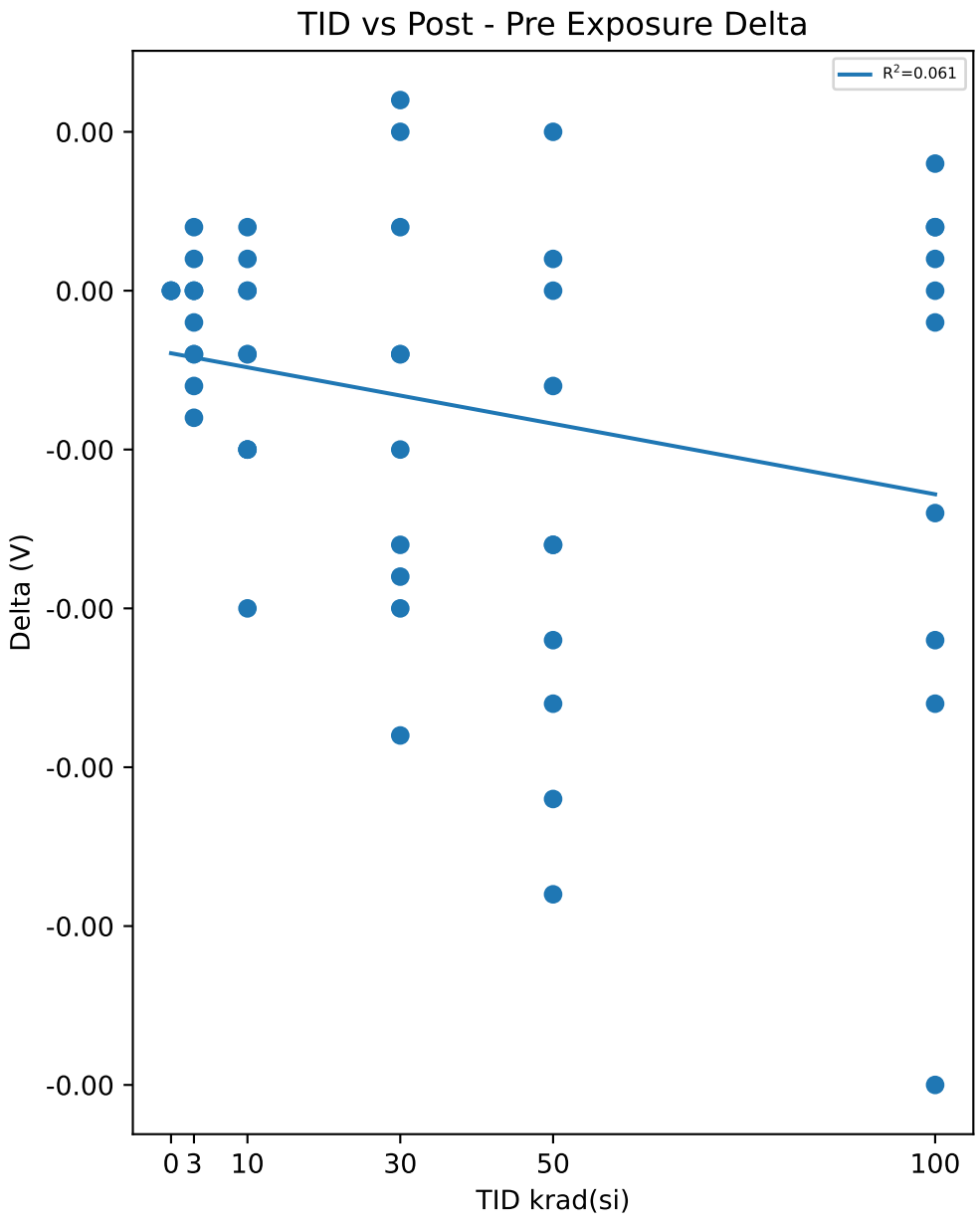
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.6435	2.6435	0
3	3	Biased	2.6396	2.6377	-0.0019
4	3	Biased	2.6435	2.6435	0
5	3	Biased	2.6649	2.6649	0
6	3	Biased	2.6416	2.6416	0
7	3	Unbiased	2.6513	2.6532	0.0019
8	3	Unbiased	2.6551	2.6571	0.002
9	3	Unbiased	2.6513	2.6513	0
10	3	Unbiased	2.661	2.6551	-0.0059
11	3	Unbiased	2.6551	2.6551	0
12	10	Unbiased	2.6532	2.6532	0
13	10	Unbiased	2.659	2.659	0
14	10	Unbiased	2.6474	2.6474	0
15	10	Unbiased	2.6435	2.6454	0.0019
16	10	Unbiased	2.6513	2.6493	-0.002
17	10	Biased	2.6454	2.6435	-0.0019
18	10	Biased	2.6493	2.6532	0.0039
19	10	Biased	2.6396	2.6435	0.0039
20	10	Biased	2.6493	2.6513	0.002
21	10	Biased	2.6551	2.659	0.0039
22	30	Biased	2.661	2.659	-0.002
23	30	Biased	2.6435	2.6357	-0.0078
24	30	Biased	2.6474	2.6454	-0.002
25	30	Biased	2.6435	2.6416	-0.0019
26	30	Biased	2.6454	2.6416	-0.0038
27	30	Unbiased	2.6551	2.6571	0.002
28	30	Unbiased	2.6532	2.6493	-0.0039
29	30	Unbiased	2.6493	2.6435	-0.0058
30	30	Unbiased	2.6629	2.6571	-0.0058
31	30	Unbiased	2.6454	2.6474	0.002
32	50	Biased	2.6416	2.6377	-0.0039
33	50	Biased	2.6454	2.6416	-0.0038
34	50	Biased	2.6493	2.6493	0
35	50	Biased	2.6493	2.6435	-0.0058
36	50	Biased	2.6377	2.628	-0.0097
37	50	Unbiased	2.6493	2.6493	0
39	50	Unbiased	2.6474	2.6474	0
40	50	Unbiased	2.6416	2.6454	0.0038
41	50	Unbiased	2.6571	2.6571	0
42	50	Unbiased	2.6513	2.6474	-0.0039
43	100	Biased	2.6454	2.6318	-0.0136
44	100	Biased	2.6513	2.6493	-0.002
45	100	Biased	2.6649	2.6532	-0.0117
46	100	Biased	2.6532	2.6474	-0.0058
47	100	Biased	2.6571	2.6474	-0.0097
48	100	Unbiased	2.661	2.6551	-0.0059
49	100	Unbiased	2.6474	2.6454	-0.002
50	100	Unbiased	2.6454	2.6435	-0.0019
51	100	Unbiased	2.6454	2.6435	-0.0019
52	100	Unbiased	2.6513	2.6474	-0.0039
53	0	Correlation	2.6454	2.6454	0
54	0	Correlation	2.6513	2.6513	0
55	0	Correlation	2.6474	2.6474	0
56	0	Correlation	2.6571	2.659	0.0019

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	2.6454	2.6503	2.6571	0.005153	2.6454	2.6508	2.659	0.0060058	0	0.000475	0.0019	0.00095
3	2.6396	2.6507	2.6649	0.0085432	2.6377	2.6503	2.6649	0.0084447	-0.0059	-0.00039	0.002	0.0022238
10	2.6396	2.6493	2.659	0.0057105	2.6435	2.6505	2.659	0.005723	-0.002	0.00117	0.0039	0.0022891
30	2.6435	2.6507	2.6629	0.0070965	2.6357	2.6478	2.659	0.0078057	-0.0078	-0.0029	0.002	0.0032194
50	2.6377	2.647	2.6571	0.0056164	2.628	2.6447	2.6571	0.0078179	-0.0097	-0.00233	0.0038	0.0038404
100	2.6454	2.6522	2.6649	0.0068888	2.6318	2.6464	2.6551	0.0063624	-0.0136	-0.00584	-0.0019	0.004394

Device Test: 6.14; REFCAP





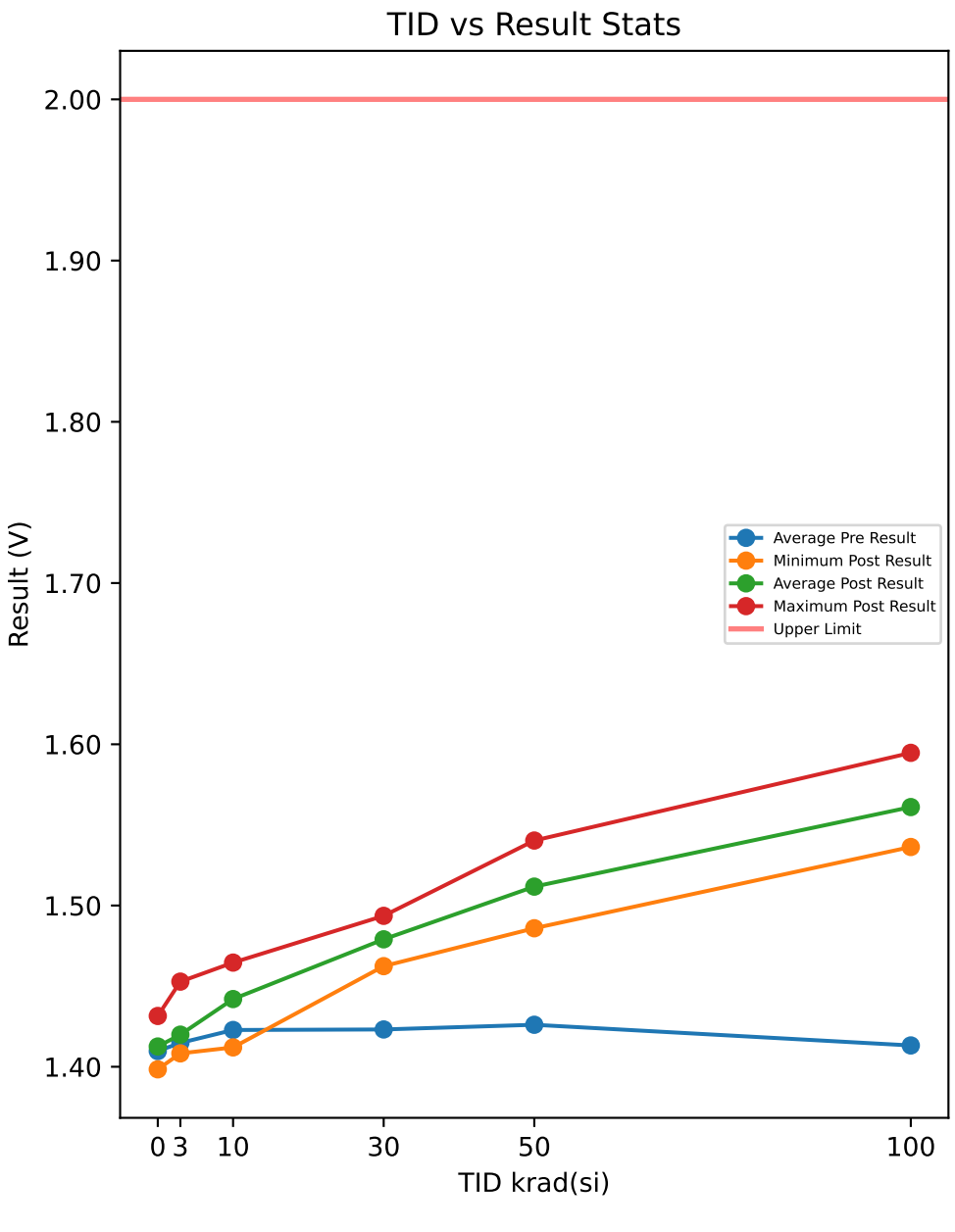
Test Results (Lower Limit = 1.188, Upper Limit = 1.212 (V))

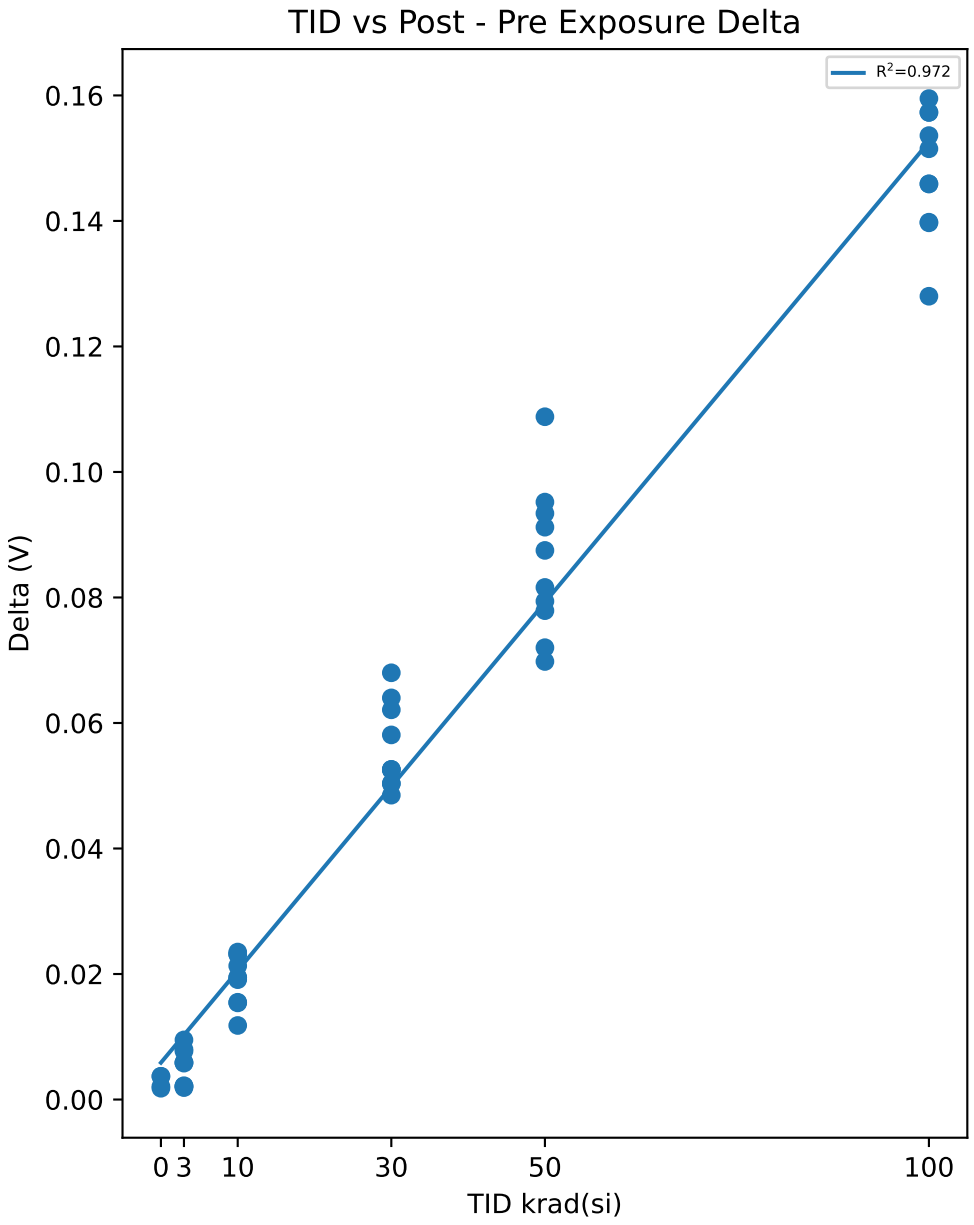
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.1997	1.1993	-0.0004
3	3	Biased	1.1992	1.1991	-0.0001
4	3	Biased	1.1997	1.1995	-0.0002
5	3	Biased	1.2007	1.2007	0
6	3	Biased	1.1989	1.1989	0
7	3	Unbiased	1.199	1.1992	0.0002
8	3	Unbiased	1.1995	1.1993	-0.0002
9	3	Unbiased	1.1996	1.1997	0.0001
10	3	Unbiased	1.1992	1.1992	0
11	3	Unbiased	1.1992	1.1989	-0.0003
12	10	Unbiased	1.1985	1.1987	0.0002
13	10	Unbiased	1.1999	1.1997	-0.0002
14	10	Unbiased	1.1989	1.1989	0
15	10	Unbiased	1.201	1.2005	-0.0005
16	10	Unbiased	1.1989	1.1987	-0.0002
17	10	Biased	1.2003	1.1993	-0.001
18	10	Biased	1.1993	1.1993	0
19	10	Biased	1.1999	1.2	0.0001
20	10	Biased	1.1994	1.1989	-0.0005
21	10	Biased	1.1996	1.1991	-0.0005
22	30	Biased	1.1996	1.1987	-0.0009
23	30	Biased	1.1994	1.1986	-0.0008
24	30	Biased	1.2008	1.1994	-0.0014
25	30	Biased	1.1997	1.1999	0.0002
26	30	Biased	1.1992	1.199	-0.0002
27	30	Unbiased	1.1987	1.1982	-0.0005
28	30	Unbiased	1.2003	1.2001	-0.0002
29	30	Unbiased	1.2007	1.2013	0.0006
30	30	Unbiased	1.2	1.199	-0.001
31	30	Unbiased	1.2001	1.2006	0.0005
32	50	Biased	1.1995	1.1984	-0.0011
33	50	Biased	1.1996	1.1983	-0.0013
34	50	Biased	1.2005	1.2002	-0.0003
35	50	Biased	1.1993	1.1994	0.0001
36	50	Biased	1.1993	1.1977	-0.0016
37	50	Unbiased	1.1991	1.1972	-0.0019
39	50	Unbiased	1.2002	1.1994	-0.0008
40	50	Unbiased	1.1989	1.1994	0.0005
41	50	Unbiased	1.2003	1.1995	-0.0008
42	50	Unbiased	1.2008	1.2008	0
43	100	Biased	1.199	1.1992	0.0002
44	100	Biased	1.2007	1.1996	-0.0011
45	100	Biased	1.1988	1.1988	0
46	100	Biased	1.2007	1.1982	-0.0025
47	100	Biased	1.1996	1.1989	-0.0007
48	100	Unbiased	1.2004	1.1991	-0.0013
49	100	Unbiased	1.2005	1.2007	0.0002
50	100	Unbiased	1.2004	1.2008	0.0004
51	100	Unbiased	1.2004	1.2005	0.0001
52	100	Unbiased	1.1988	1.1987	-0.0001
53	0	Correlation	1.2006	1.2006	0
54	0	Correlation	1.1993	1.1993	0
55	0	Correlation	1.2	1.2	0
56	0	Correlation	1.1992	1.1992	0

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	1.1992	1.1998	1.2006	0.00065511	1.1992	1.1998	1.2006	0.00065511	0	0	0	0
3	1.1989	1.1995	1.2007	0.00051651	1.1989	1.1994	1.2007	0.00052451	-0.0004	-9e-05	0.0002	0.00018529
10	1.1985	1.1996	1.201	0.00074095	1.1987	1.1993	1.2005	0.00059339	-0.001	-0.00026	0.0002	0.00036576
30	1.1987	1.1999	1.2008	0.00066207	1.1982	1.1995	1.2013	0.00097843	-0.0014	-0.00037	0.0006	0.00066841
50	1.1989	1.1998	1.2008	0.00065021	1.1972	1.199	1.2008	0.0011146	-0.0019	-0.00072	0.0005	0.00078287
100	1.1988	1.1999	1.2007	0.00079589	1.1982	1.1995	1.2008	0.00091561	-0.0025	-0.00048	0.0004	0.00091869

Device Test: 6.140; VIN_VALID





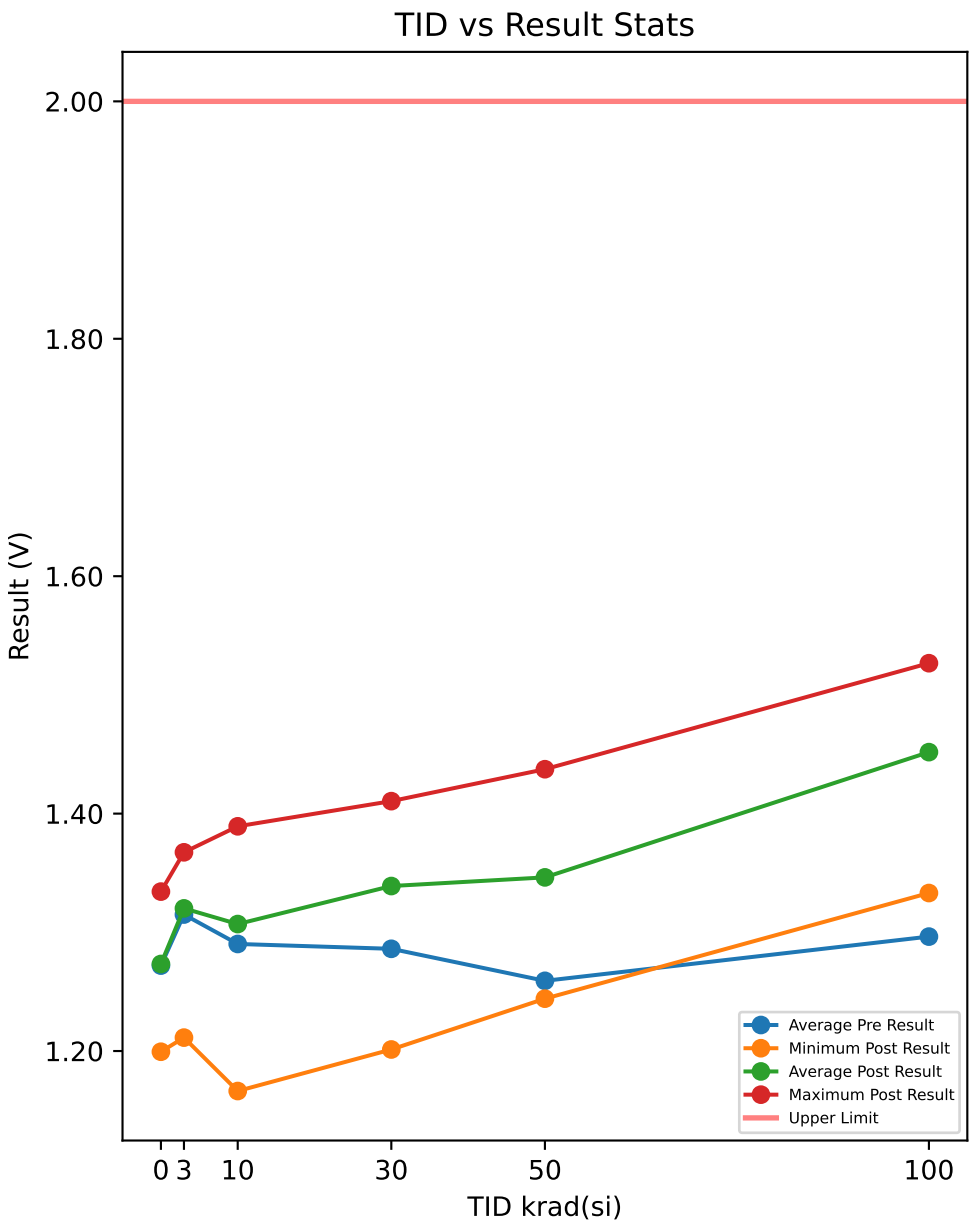
Test Results (Upper Limit = 2.0 (V))

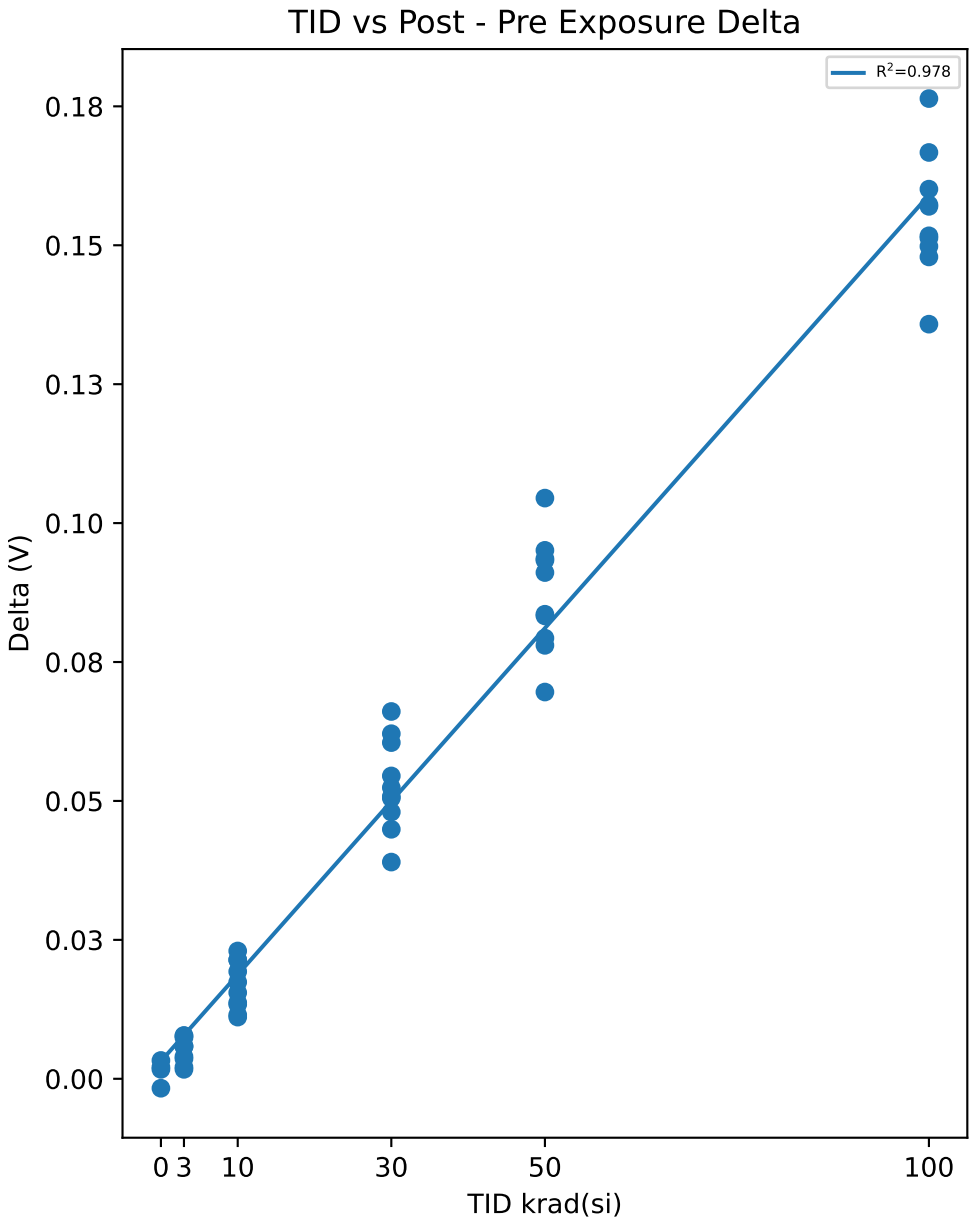
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.4275	1.4297	0.0022
3	3	Biased	1.4083	1.4102	0.0019
4	3	Biased	1.4062	1.4083	0.0021
5	3	Biased	1.4198	1.4219	0.0021
6	3	Biased	1.4043	1.4102	0.0059
7	3	Unbiased	1.4043	1.412	0.0077
8	3	Unbiased	1.4043	1.4102	0.0059
9	3	Unbiased	1.4433	1.4528	0.0095
10	3	Unbiased	1.4297	1.4355	0.0058
11	3	Unbiased	1.4003	1.4083	0.008
12	10	Unbiased	1.4297	1.4528	0.0231
13	10	Unbiased	1.4433	1.4624	0.0191
14	10	Unbiased	1.4411	1.4646	0.0235
15	10	Unbiased	1.4219	1.4451	0.0232
16	10	Unbiased	1.412	1.4315	0.0195
17	10	Biased	1.4102	1.4315	0.0213
18	10	Biased	1.4315	1.4433	0.0118
19	10	Biased	1.4102	1.4256	0.0154
20	10	Biased	1.3926	1.412	0.0194
21	10	Biased	1.4355	1.451	0.0155
22	30	Biased	1.4315	1.4819	0.0504
23	30	Biased	1.4411	1.4936	0.0525
24	30	Biased	1.4256	1.4782	0.0526
25	30	Biased	1.4297	1.48	0.0503
26	30	Biased	1.4139	1.4624	0.0485
27	30	Unbiased	1.4083	1.4723	0.064
28	30	Unbiased	1.4315	1.4896	0.0581
29	30	Unbiased	1.4139	1.476	0.0621
30	30	Unbiased	1.4102	1.4782	0.068
31	30	Unbiased	1.4256	1.4782	0.0526
32	50	Biased	1.3984	1.4859	0.0875
33	50	Biased	1.4334	1.5054	0.072
34	50	Biased	1.4411	1.519	0.0779
35	50	Biased	1.412	1.4936	0.0816
36	50	Biased	1.4198	1.4896	0.0698
37	50	Unbiased	1.4256	1.519	0.0934
39	50	Unbiased	1.4451	1.5403	0.0952
40	50	Unbiased	1.4297	1.5091	0.0794
41	50	Unbiased	1.4198	1.5286	0.1088
42	50	Unbiased	1.4355	1.5267	0.0912
43	100	Biased	1.4083	1.5363	0.128
44	100	Biased	1.4139	1.5598	0.1459
45	100	Biased	1.4374	1.5771	0.1397
46	100	Biased	1.4275	1.5734	0.1459
47	100	Biased	1.4024	1.5422	0.1398
48	100	Unbiased	1.4062	1.5635	0.1573
49	100	Unbiased	1.412	1.5635	0.1515
50	100	Unbiased	1.3867	1.5403	0.1536
51	100	Unbiased	1.4003	1.5598	0.1595
52	100	Unbiased	1.4374	1.5947	0.1573
53	0	Correlation	1.4297	1.4315	0.0018
54	0	Correlation	1.4083	1.412	0.0037
55	0	Correlation	1.3947	1.3984	0.0037
56	0	Correlation	1.4062	1.4083	0.0021

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	1.3947	1.4097	1.4297	0.014597	1.3984	1.4125	1.4315	0.013877	0.0018	0.002825	0.0037	0.0010178
3	1.4003	1.4148	1.4433	0.014444	1.4083	1.4199	1.4528	0.015054	0.0019	0.00511	0.0095	0.002847
10	1.3926	1.4228	1.4433	0.016285	1.412	1.442	1.4646	0.016751	0.0118	0.01918	0.0235	0.0039035
30	1.4083	1.4231	1.4411	0.010934	1.4624	1.479	1.4936	0.0086042	0.0485	0.05591	0.068	0.0067083
50	1.3984	1.426	1.4451	0.014088	1.4859	1.5117	1.5403	0.018145	0.0698	0.08568	0.1088	0.0119
100	1.3867	1.4132	1.4374	0.016452	1.5363	1.5611	1.5947	0.018123	0.128	0.14785	0.1595	0.0099642

Device Test: 6.141; VIN_VALID





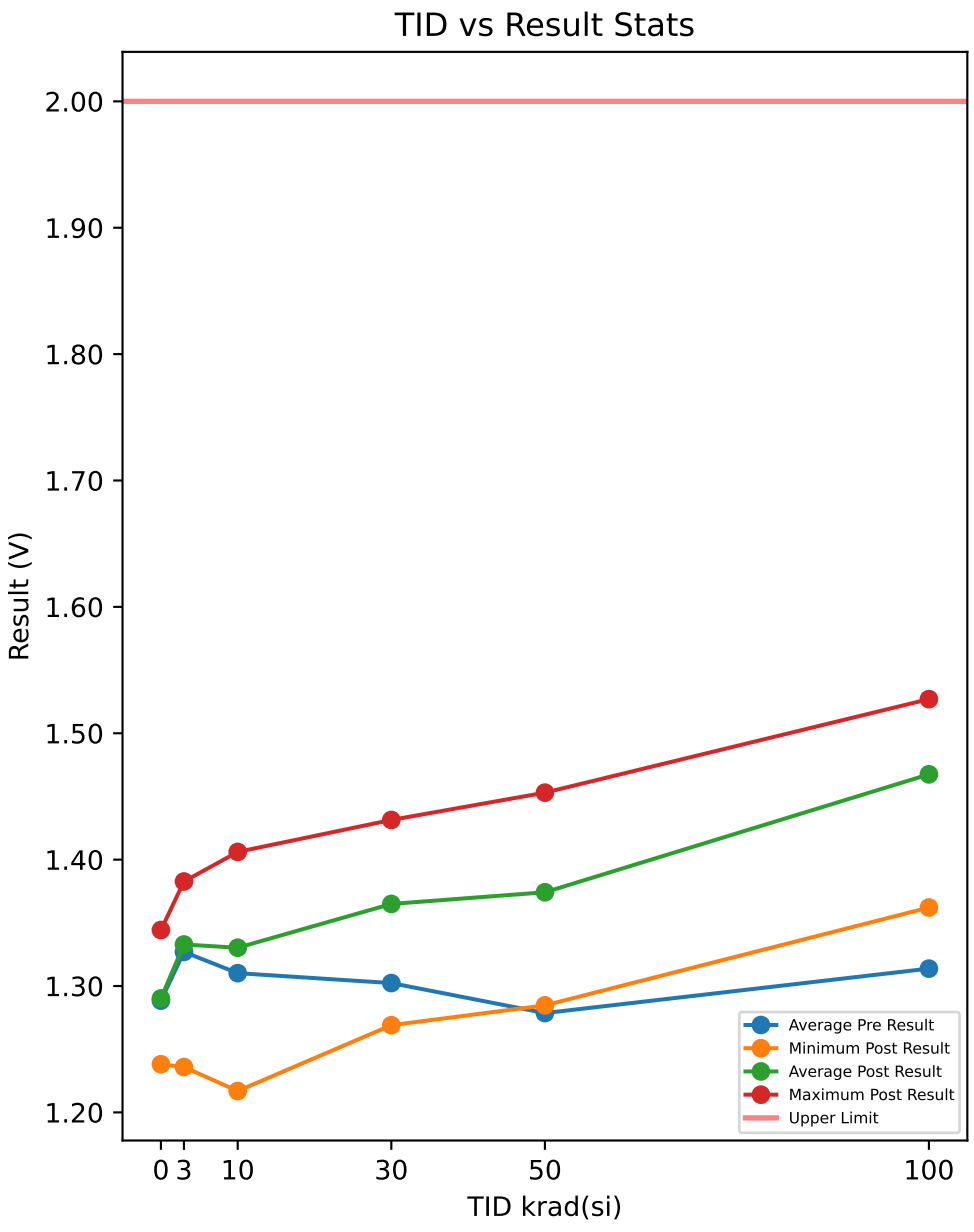
Test Results (Upper Limit = 2.0 (V))

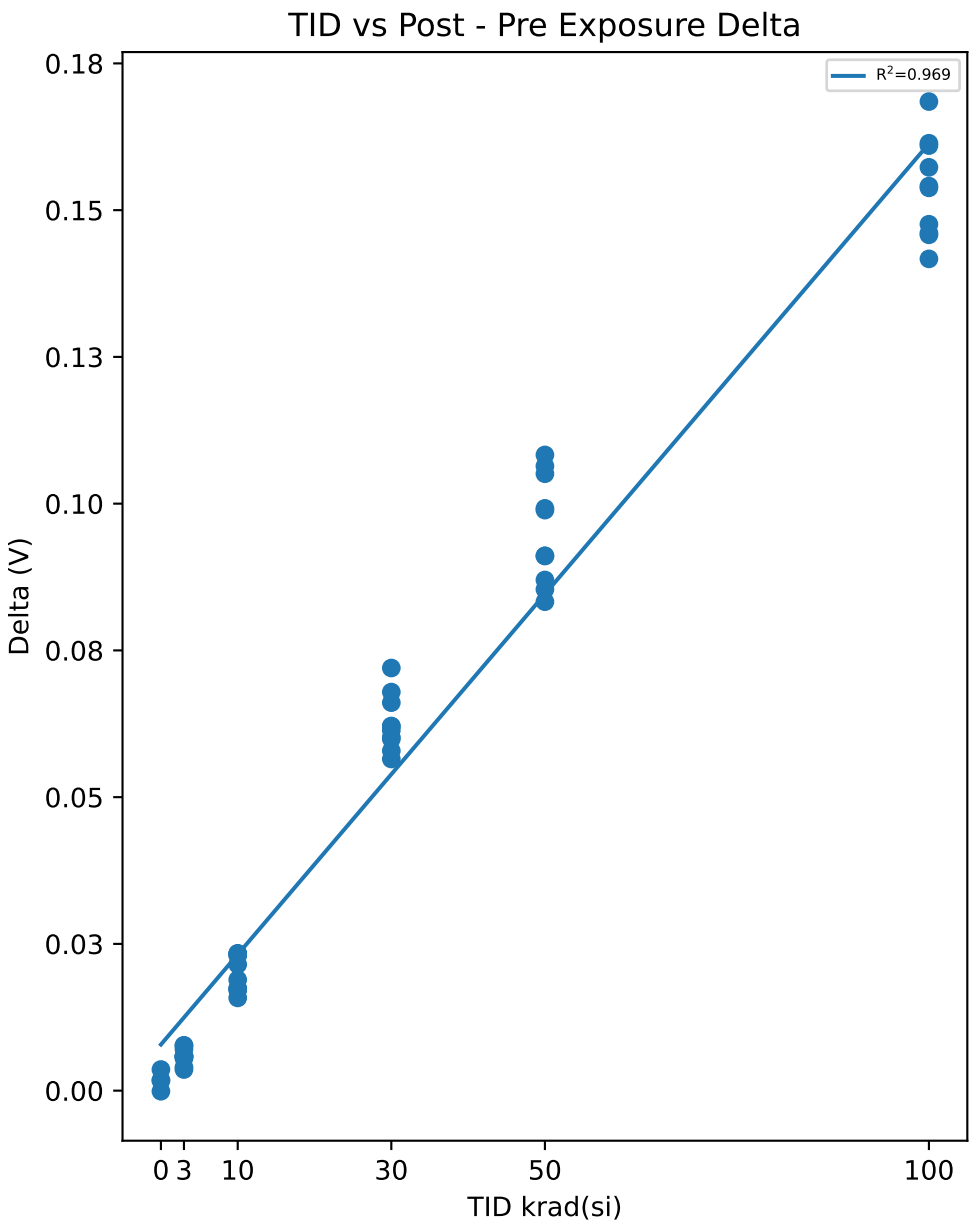
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.3407	1.3424	0.0017
3	3	Biased	1.3057	1.3093	0.0036
4	3	Biased	1.3269	1.3309	0.004
5	3	Biased	1.3403	1.3424	0.0021
6	3	Biased	1.2922	1.3	0.0078
7	3	Unbiased	1.3191	1.3249	0.0058
8	3	Unbiased	1.3132	1.319	0.0058
9	3	Unbiased	1.36	1.3674	0.0074
10	3	Unbiased	1.3463	1.354	0.0077
11	3	Unbiased	1.2054	1.2113	0.0059
12	10	Unbiased	1.1548	1.1663	0.0115
13	10	Unbiased	1.37	1.3893	0.0193
14	10	Unbiased	1.2904	1.3118	0.0214
15	10	Unbiased	1.3407	1.3637	0.023
16	10	Unbiased	1.157	1.1704	0.0134
17	10	Biased	1.331	1.3524	0.0214
18	10	Biased	1.3466	1.3577	0.0111
19	10	Biased	1.3232	1.3387	0.0155
20	10	Biased	1.2863	1.3037	0.0174
21	10	Biased	1.3019	1.3156	0.0137
22	30	Biased	1.2282	1.2731	0.0449
23	30	Biased	1.36	1.4105	0.0505
24	30	Biased	1.3022	1.3502	0.048
25	30	Biased	1.2997	1.3505	0.0508
26	30	Biased	1.1623	1.2013	0.039
27	30	Unbiased	1.3328	1.3949	0.0621
28	30	Unbiased	1.1992	1.2537	0.0545
29	30	Unbiased	1.321	1.3815	0.0605
30	30	Unbiased	1.3366	1.4027	0.0661
31	30	Unbiased	1.3191	1.3715	0.0524
32	50	Biased	1.1664	1.2575	0.0911
33	50	Biased	1.2769	1.3562	0.0793
34	50	Biased	1.3425	1.4261	0.0836
35	50	Biased	1.3344	1.4124	0.078
36	50	Biased	1.1745	1.2441	0.0696
37	50	Unbiased	1.3425	1.4358	0.0933
39	50	Unbiased	1.207	1.3021	0.0951
40	50	Unbiased	1.3541	1.4374	0.0833
41	50	Unbiased	1.1995	1.304	0.1045
42	50	Unbiased	1.1936	1.2872	0.0936
43	100	Biased	1.3347	1.4705	0.1358
44	100	Biased	1.2801	1.4402	0.1601
45	100	Biased	1.3269	1.4748	0.1479
46	100	Biased	1.3541	1.5054	0.1513
47	100	Biased	1.1567	1.3331	0.1764
48	100	Unbiased	1.2613	1.4111	0.1498
49	100	Unbiased	1.3369	1.4942	0.1573
50	100	Unbiased	1.2941	1.4511	0.157
51	100	Unbiased	1.2591	1.4108	0.1517
52	100	Unbiased	1.36	1.5267	0.1667
53	0	Correlation	1.2011	1.1994	-0.0017
54	0	Correlation	1.2848	1.2865	0.0017
55	0	Correlation	1.271	1.2731	0.0021
56	0	Correlation	1.331	1.3343	0.0033

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	1.2011	1.272	1.331	0.053767	1.1994	1.2733	1.3343	0.055846	-0.0017	0.00135	0.0033	0.002144
3	1.2054	1.315	1.36	0.04357	1.2113	1.3202	1.3674	0.043308	0.0017	0.00518	0.0078	0.002234
10	1.1548	1.2902	1.37	0.075337	1.1663	1.307	1.3893	0.077595	0.0111	0.01677	0.023	0.0043564
30	1.1623	1.2861	1.36	0.065975	1.2013	1.339	1.4105	0.071488	0.039	0.05288	0.0661	0.0082384
50	1.1664	1.2591	1.3541	0.078337	1.2441	1.3463	1.4374	0.076529	0.0696	0.08714	0.1045	0.01022
100	1.1567	1.2964	1.36	0.061303	1.3331	1.4518	1.5267	0.056492	0.1358	0.1554	0.1764	0.011051

Device Test: 6.142; VIN_VALID





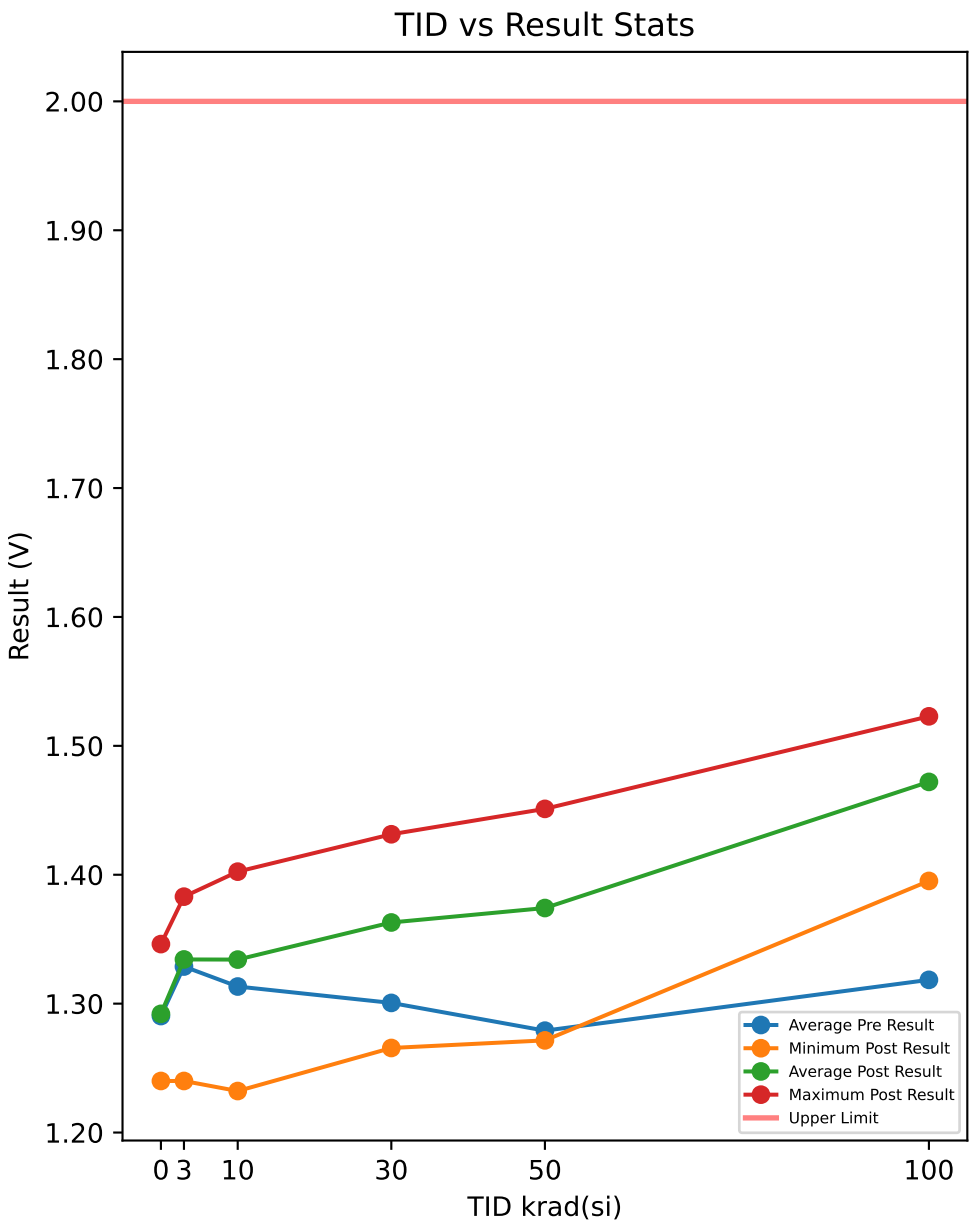
Test Results (Upper Limit = 2.0 (V))

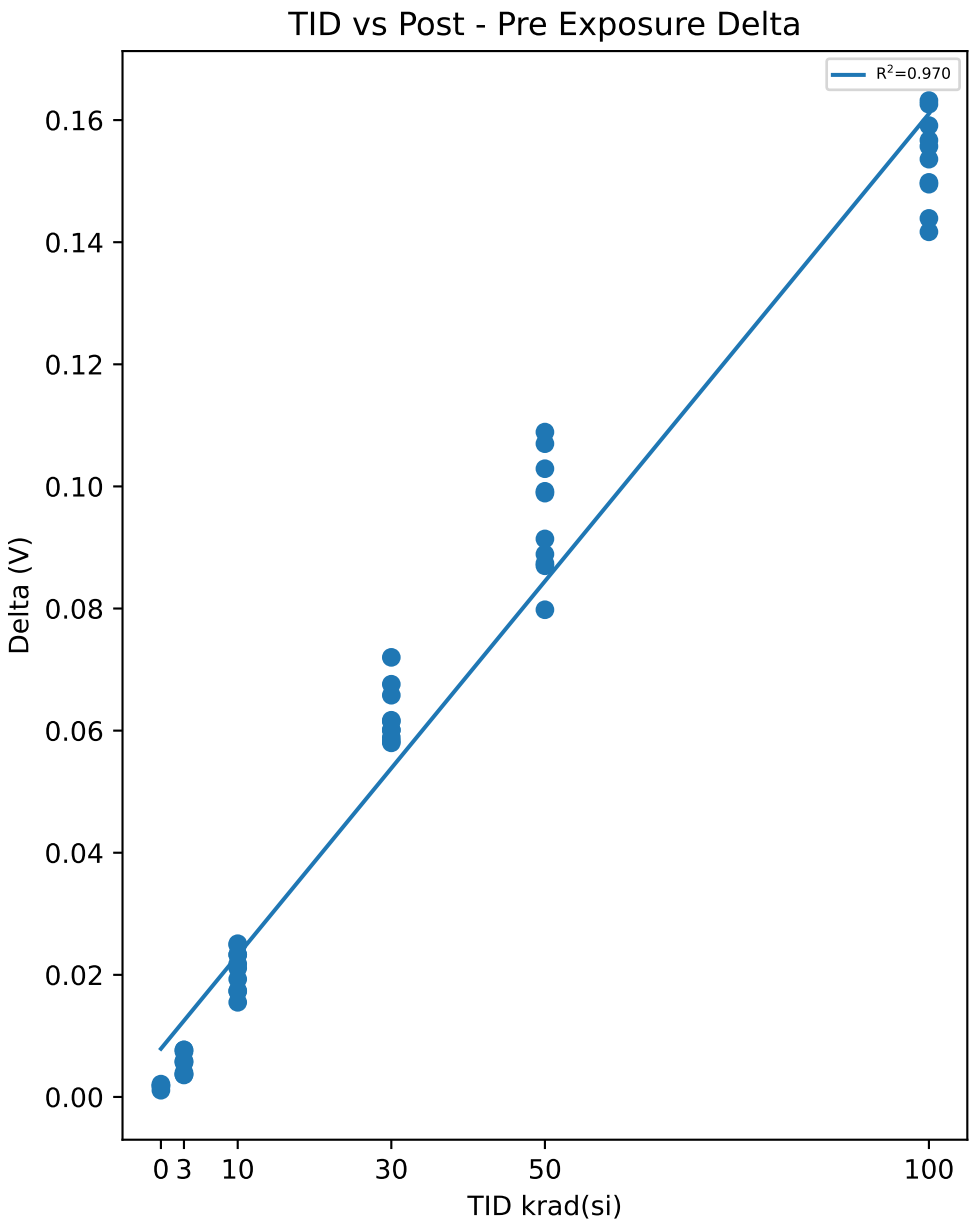
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.3482	1.3518	0.0036
3	3	Biased	1.3135	1.3193	0.0058
4	3	Biased	1.3347	1.3406	0.0059
5	3	Biased	1.3519	1.3559	0.004
6	3	Biased	1.3019	1.3096	0.0077
7	3	Unbiased	1.331	1.3365	0.0055
8	3	Unbiased	1.3269	1.3327	0.0058
9	3	Unbiased	1.375	1.3827	0.0077
10	3	Unbiased	1.3566	1.3637	0.0071
11	3	Unbiased	1.2301	1.2359	0.0058
12	10	Unbiased	1.1954	1.2169	0.0215
13	10	Unbiased	1.3872	1.4061	0.0189
14	10	Unbiased	1.2997	1.3231	0.0234
15	10	Unbiased	1.3538	1.3771	0.0233
16	10	Unbiased	1.2054	1.2228	0.0174
17	10	Biased	1.3444	1.3674	0.023
18	10	Biased	1.3519	1.3677	0.0158
19	10	Biased	1.3347	1.3521	0.0174
20	10	Biased	1.3076	1.3309	0.0233
21	10	Biased	1.3216	1.3387	0.0171
22	30	Biased	1.2304	1.2925	0.0621
23	30	Biased	1.37	1.4314	0.0614
24	30	Biased	1.3172	1.3793	0.0621
25	30	Biased	1.3194	1.3796	0.0602
26	30	Biased	1.2111	1.269	0.0579
27	30	Unbiased	1.3407	1.4086	0.0679
28	30	Unbiased	1.2229	1.2828	0.0599
29	30	Unbiased	1.3347	1.4008	0.0661
30	30	Unbiased	1.3519	1.4239	0.072
31	30	Unbiased	1.325	1.3815	0.0565
32	50	Biased	1.1783	1.2847	0.1064
33	50	Biased	1.3079	1.399	0.0911
34	50	Biased	1.3563	1.4474	0.0911
35	50	Biased	1.3463	1.4317	0.0854
36	50	Biased	1.2245	1.3078	0.0833
37	50	Unbiased	1.3541	1.453	0.0989
39	50	Unbiased	1.2011	1.3062	0.1051
40	50	Unbiased	1.3619	1.4489	0.087
41	50	Unbiased	1.2132	1.3215	0.1083
42	50	Unbiased	1.2423	1.3415	0.0992
43	100	Biased	1.3503	1.492	0.1417
44	100	Biased	1.3057	1.4667	0.161
45	100	Biased	1.3366	1.4842	0.1476
46	100	Biased	1.3653	1.5226	0.1573
47	100	Biased	1.1936	1.3621	0.1685
48	100	Unbiased	1.2844	1.4302	0.1458
49	100	Unbiased	1.3463	1.5004	0.1541
50	100	Unbiased	1.3132	1.467	0.1538
51	100	Unbiased	1.2766	1.4227	0.1461
52	100	Unbiased	1.3656	1.527	0.1614
53	0	Correlation	1.2382	1.2381	-0.0001
54	0	Correlation	1.2922	1.294	0.0018
55	0	Correlation	1.2826	1.2843	0.0017
56	0	Correlation	1.3407	1.3443	0.0036

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	1.2382	1.2884	1.3407	0.042045	1.2381	1.2902	1.3443	0.043553	-0.0001	0.00175	0.0036	0.0015111
3	1.2301	1.327	1.375	0.040176	1.2359	1.3329	1.3827	0.040172	0.0036	0.00589	0.0077	0.0013747
10	1.1954	1.3102	1.3872	0.063024	1.2169	1.3303	1.4061	0.063003	0.0158	0.02011	0.0234	0.0030777
30	1.2111	1.3023	1.37	0.058108	1.269	1.3649	1.4314	0.060534	0.0565	0.06261	0.072	0.0047491
50	1.1783	1.2786	1.3619	0.073565	1.2847	1.3742	1.453	0.06828	0.0833	0.09558	0.1083	0.0092003
100	1.1936	1.3138	1.3656	0.052711	1.3621	1.4675	1.527	0.050603	0.1417	0.15373	0.1685	0.008473

Device Test: 6.143; VIN_VALID





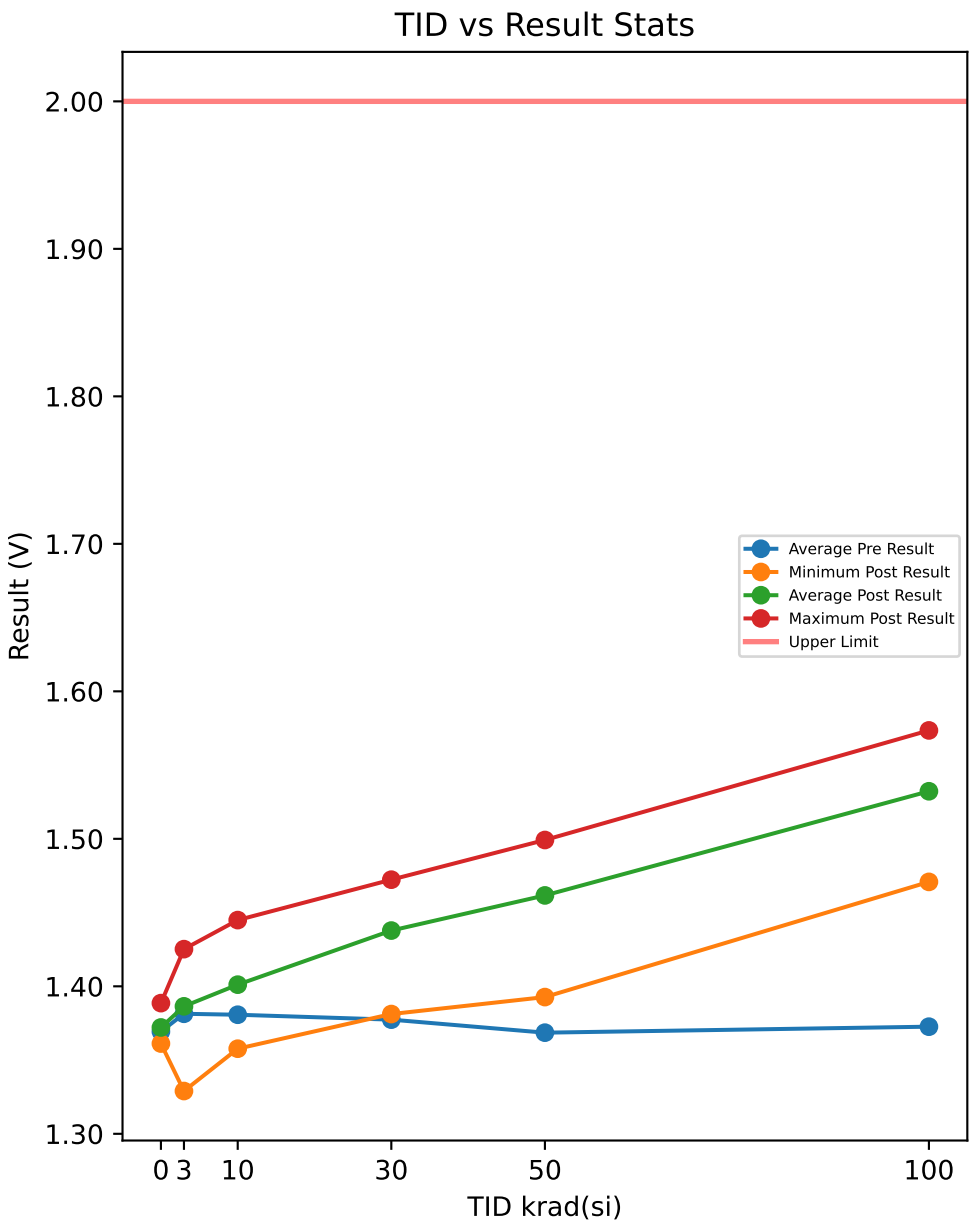
Test Results (Upper Limit = 2.0 (V))

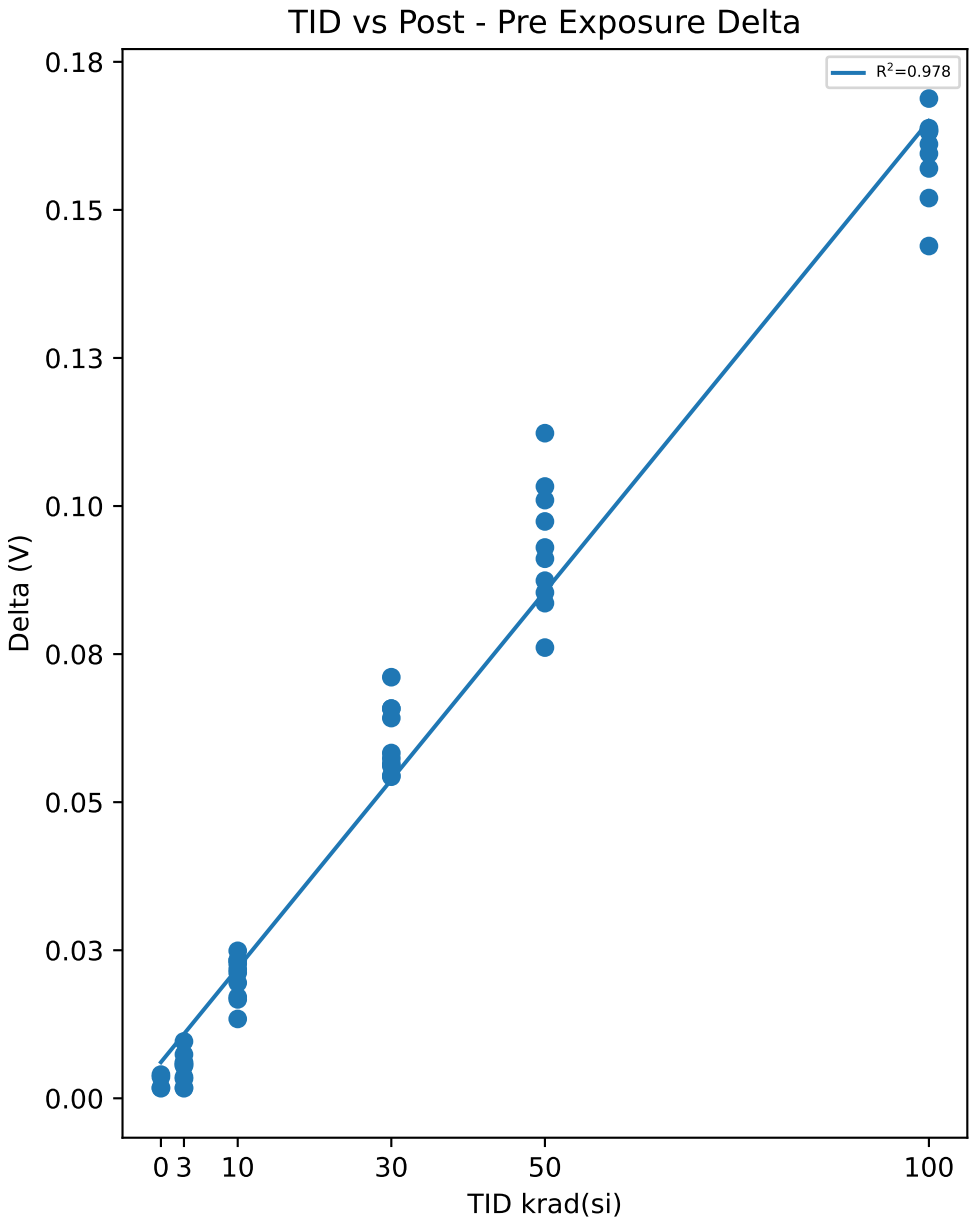
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.3503	1.354	0.0037
3	3	Biased	1.3116	1.3153	0.0037
4	3	Biased	1.3385	1.3421	0.0036
5	3	Biased	1.3519	1.3559	0.004
6	3	Biased	1.3097	1.3153	0.0056
7	3	Unbiased	1.331	1.3387	0.0077
8	3	Unbiased	1.325	1.3309	0.0059
9	3	Unbiased	1.3753	1.383	0.0077
10	3	Unbiased	1.3603	1.3677	0.0074
11	3	Unbiased	1.2342	1.24	0.0058
12	10	Unbiased	1.2089	1.2322	0.0233
13	10	Unbiased	1.3831	1.4024	0.0193
14	10	Unbiased	1.2944	1.3193	0.0249
15	10	Unbiased	1.3482	1.3733	0.0251
16	10	Unbiased	1.2264	1.2437	0.0173
17	10	Biased	1.3482	1.3715	0.0233
18	10	Biased	1.356	1.3715	0.0155
19	10	Biased	1.3347	1.3521	0.0174
20	10	Biased	1.3094	1.3312	0.0218
21	10	Biased	1.3235	1.3446	0.0211
22	30	Biased	1.2151	1.2731	0.058
23	30	Biased	1.3697	1.4314	0.0617
24	30	Biased	1.3232	1.3833	0.0601
25	30	Biased	1.3232	1.3833	0.0601
26	30	Biased	1.2067	1.2656	0.0589
27	30	Unbiased	1.3385	1.4061	0.0676
28	30	Unbiased	1.2232	1.2847	0.0615
29	30	Unbiased	1.3313	1.3971	0.0658
30	30	Unbiased	1.346	1.418	0.072
31	30	Unbiased	1.3288	1.3871	0.0583
32	50	Biased	1.1645	1.2715	0.107
33	50	Biased	1.306	1.3949	0.0889
34	50	Biased	1.3578	1.4492	0.0914
35	50	Biased	1.3425	1.4299	0.0874
36	50	Biased	1.2476	1.3274	0.0798
37	50	Unbiased	1.3519	1.4511	0.0992
39	50	Unbiased	1.1936	1.2965	0.1029
40	50	Unbiased	1.3619	1.4489	0.087
41	50	Unbiased	1.207	1.3159	0.1089
42	50	Unbiased	1.2576	1.3565	0.0989
43	100	Biased	1.3463	1.488	0.1417
44	100	Biased	1.3001	1.4592	0.1591
45	100	Biased	1.3347	1.4842	0.1495
46	100	Biased	1.3656	1.5223	0.1567
47	100	Biased	1.232	1.3952	0.1632
48	100	Unbiased	1.2785	1.4224	0.1439
49	100	Unbiased	1.35	1.5036	0.1536
50	100	Unbiased	1.3132	1.4689	0.1557
51	100	Unbiased	1.3038	1.4536	0.1498
52	100	Unbiased	1.3603	1.5229	0.1626
53	0	Correlation	1.2382	1.24	0.0018
54	0	Correlation	1.2926	1.2937	0.0011
55	0	Correlation	1.2863	1.2884	0.0021
56	0	Correlation	1.3444	1.3462	0.0018

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	1.2382	1.2904	1.3444	0.043445	1.24	1.2921	1.3462	0.043426	0.0011	0.0017	0.0021	0.00042426
3	1.2342	1.3288	1.3753	0.039262	1.24	1.3343	1.383	0.039508	0.0036	0.00551	0.0077	0.001696
10	1.2089	1.3133	1.3831	0.05629	1.2322	1.3342	1.4024	0.055993	0.0155	0.0209	0.0251	0.003382
30	1.2067	1.3006	1.3697	0.06069	1.2656	1.363	1.4314	0.063095	0.058	0.0624	0.072	0.0046075
50	1.1645	1.279	1.3619	0.074676	1.2715	1.3742	1.4511	0.069231	0.0798	0.09514	0.1089	0.0096335
100	1.232	1.3184	1.3656	0.041711	1.3952	1.472	1.5229	0.041358	0.1417	0.15358	0.1632	0.0073362

Device Test: 6.144; VIN_VALID





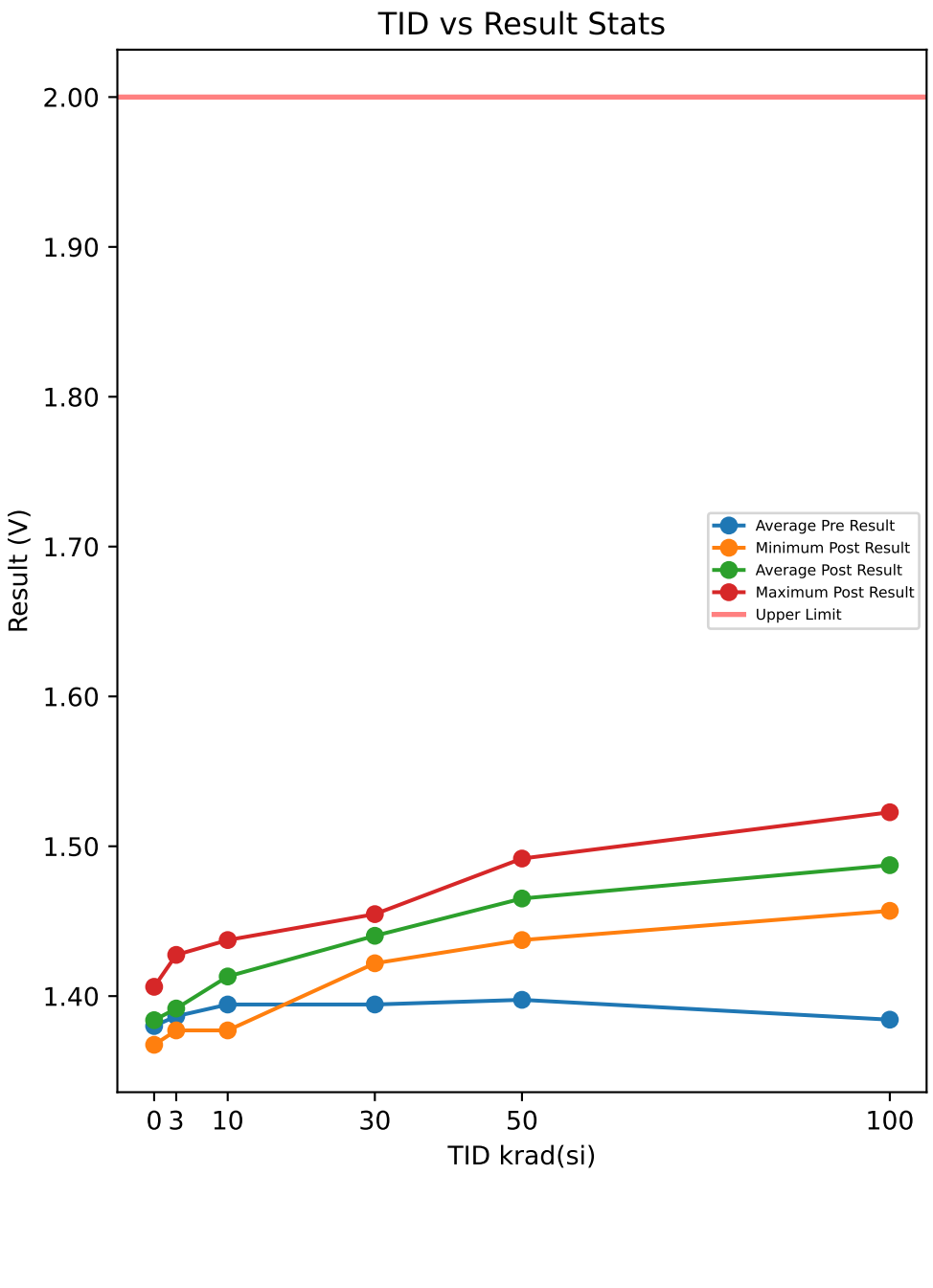
Test Results (Upper Limit = 2.0 (V))

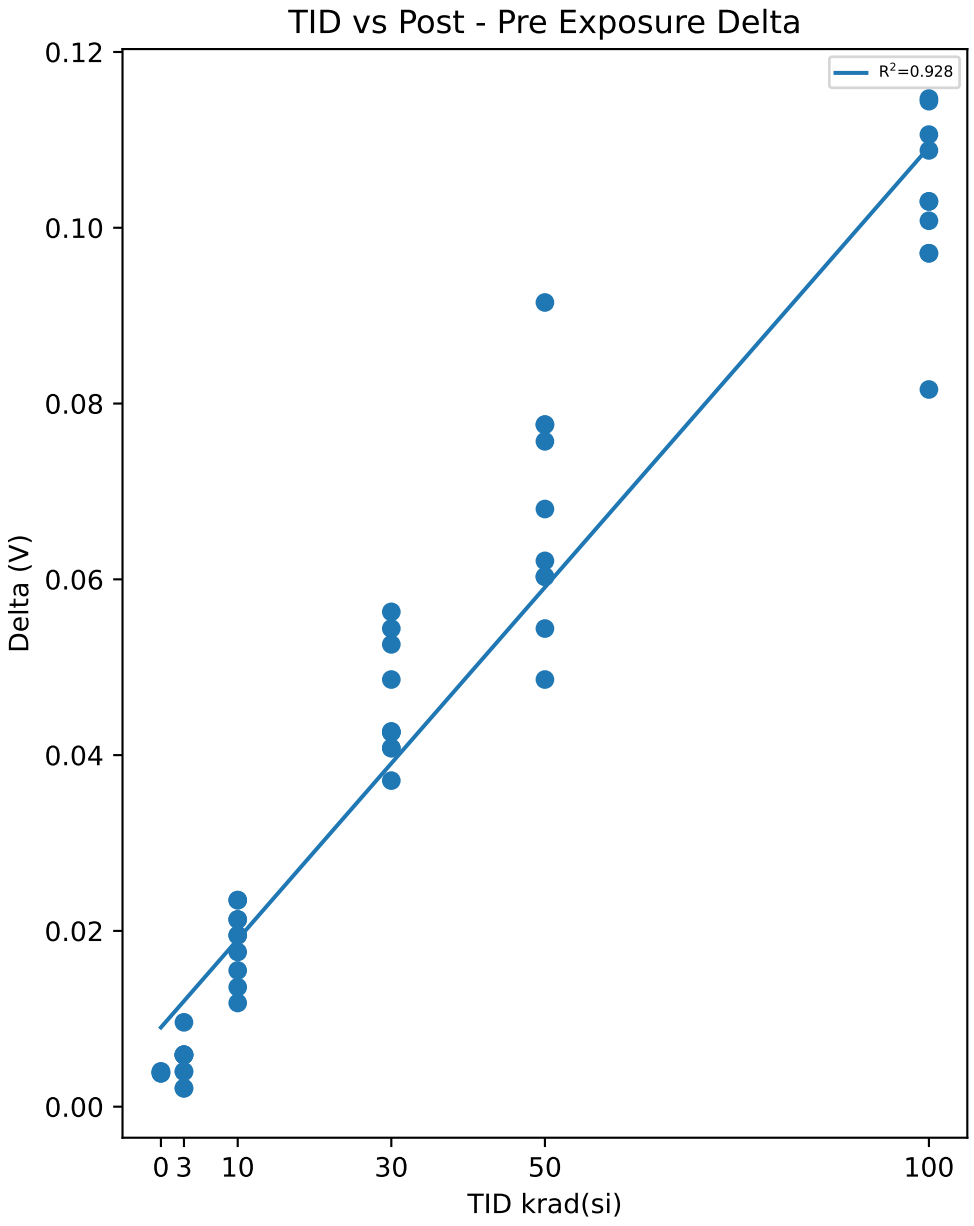
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.3966	1.3983	0.0017
3	3	Biased	1.3594	1.363	0.0036
4	3	Biased	1.3794	1.3827	0.0033
5	3	Biased	1.3925	1.3943	0.0018
6	3	Biased	1.3731	1.3787	0.0056
7	3	Unbiased	1.3831	1.3905	0.0074
8	3	Unbiased	1.3831	1.389	0.0059
9	3	Unbiased	1.4156	1.4252	0.0096
10	3	Unbiased	1.4081	1.4136	0.0055
11	3	Unbiased	1.3229	1.329	0.0061
12	10	Unbiased	1.3563	1.3812	0.0249
13	10	Unbiased	1.4237	1.4449	0.0212
14	10	Unbiased	1.3622	1.3849	0.0227
15	10	Unbiased	1.3947	1.418	0.0233
16	10	Unbiased	1.3382	1.3577	0.0195
17	10	Biased	1.3869	1.4102	0.0233
18	10	Biased	1.3984	1.4118	0.0134
19	10	Biased	1.385	1.4021	0.0171
20	10	Biased	1.365	1.3868	0.0218
21	10	Biased	1.3969	1.4136	0.0167
22	30	Biased	1.3269	1.3812	0.0543
23	30	Biased	1.414	1.4723	0.0583
24	30	Biased	1.3928	1.4502	0.0574
25	30	Biased	1.3909	1.447	0.0561
26	30	Biased	1.3635	1.418	0.0545
27	30	Unbiased	1.3809	1.4467	0.0658
28	30	Unbiased	1.3385	1.4027	0.0642
29	30	Unbiased	1.3872	1.453	0.0658
30	30	Unbiased	1.3909	1.462	0.0711
31	30	Unbiased	1.3884	1.4449	0.0565
32	50	Biased	1.2997	1.3927	0.093
33	50	Biased	1.3981	1.4817	0.0836
34	50	Biased	1.4081	1.4992	0.0911
35	50	Biased	1.3828	1.4702	0.0874
36	50	Biased	1.3578	1.4339	0.0761
37	50	Unbiased	1.3966	1.4976	0.101
39	50	Unbiased	1.3366	1.4399	0.1033
40	50	Unbiased	1.41	1.4954	0.0854
41	50	Unbiased	1.3154	1.4277	0.1123
42	50	Unbiased	1.3806	1.478	0.0974
43	100	Biased	1.385	1.5289	0.1439
44	100	Biased	1.3594	1.5226	0.1632
45	100	Biased	1.3944	1.5464	0.152
46	100	Biased	1.4081	1.5651	0.157
47	100	Biased	1.3097	1.4708	0.1611
48	100	Unbiased	1.3653	1.5248	0.1595
49	100	Unbiased	1.3887	1.552	0.1633
50	100	Unbiased	1.3672	1.5307	0.1635
51	100	Unbiased	1.3438	1.5076	0.1638
52	100	Unbiased	1.4047	1.5735	0.1688
53	0	Correlation	1.3638	1.3674	0.0036
54	0	Correlation	1.3672	1.3712	0.004
55	0	Correlation	1.3594	1.3612	0.0018
56	0	Correlation	1.3869	1.3886	0.0017

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	1.3594	1.3693	1.3869	0.012144	1.3612	1.3721	1.3886	0.011747	0.0017	0.002775	0.004	0.0011955
3	1.3229	1.3814	1.4156	0.026293	1.329	1.3864	1.4252	0.026642	0.0017	0.00505	0.0096	0.0024834
10	1.3382	1.3807	1.4237	0.025095	1.3577	1.4011	1.4449	0.024279	0.0134	0.02039	0.0249	0.0036416
30	1.3269	1.3774	1.414	0.026723	1.3812	1.4378	1.4723	0.028289	0.0543	0.0604	0.0711	0.0058346
50	1.2997	1.3686	1.41	0.03943	1.3927	1.4616	1.4992	0.036107	0.0761	0.09306	0.1123	0.010691
100	1.3097	1.3726	1.4081	0.030224	1.4708	1.5322	1.5735	0.029659	0.1439	0.15961	0.1688	0.007129

Device Test: 6.145; VIN_VALID





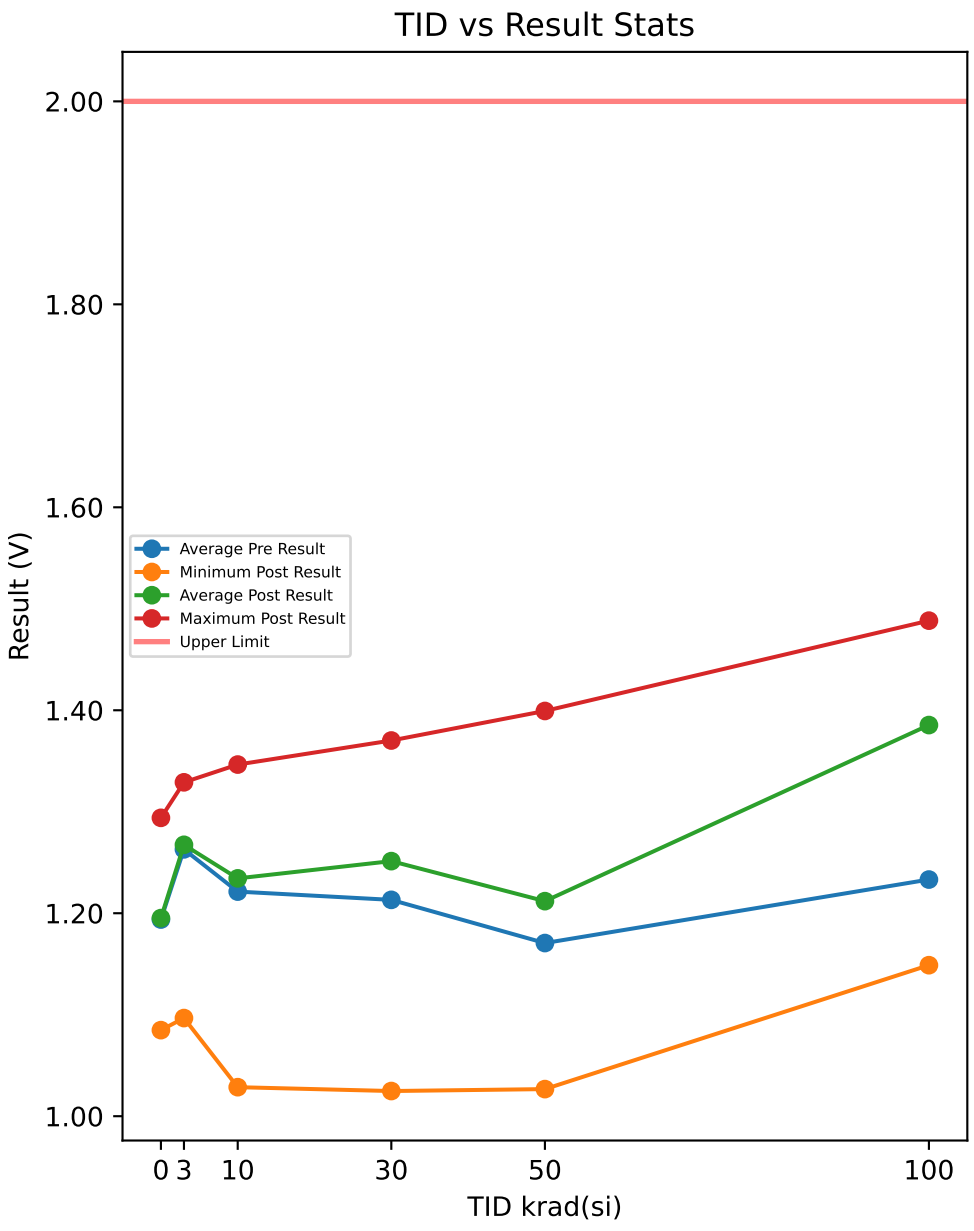
Test Results (Upper Limit = 2.0 (V))

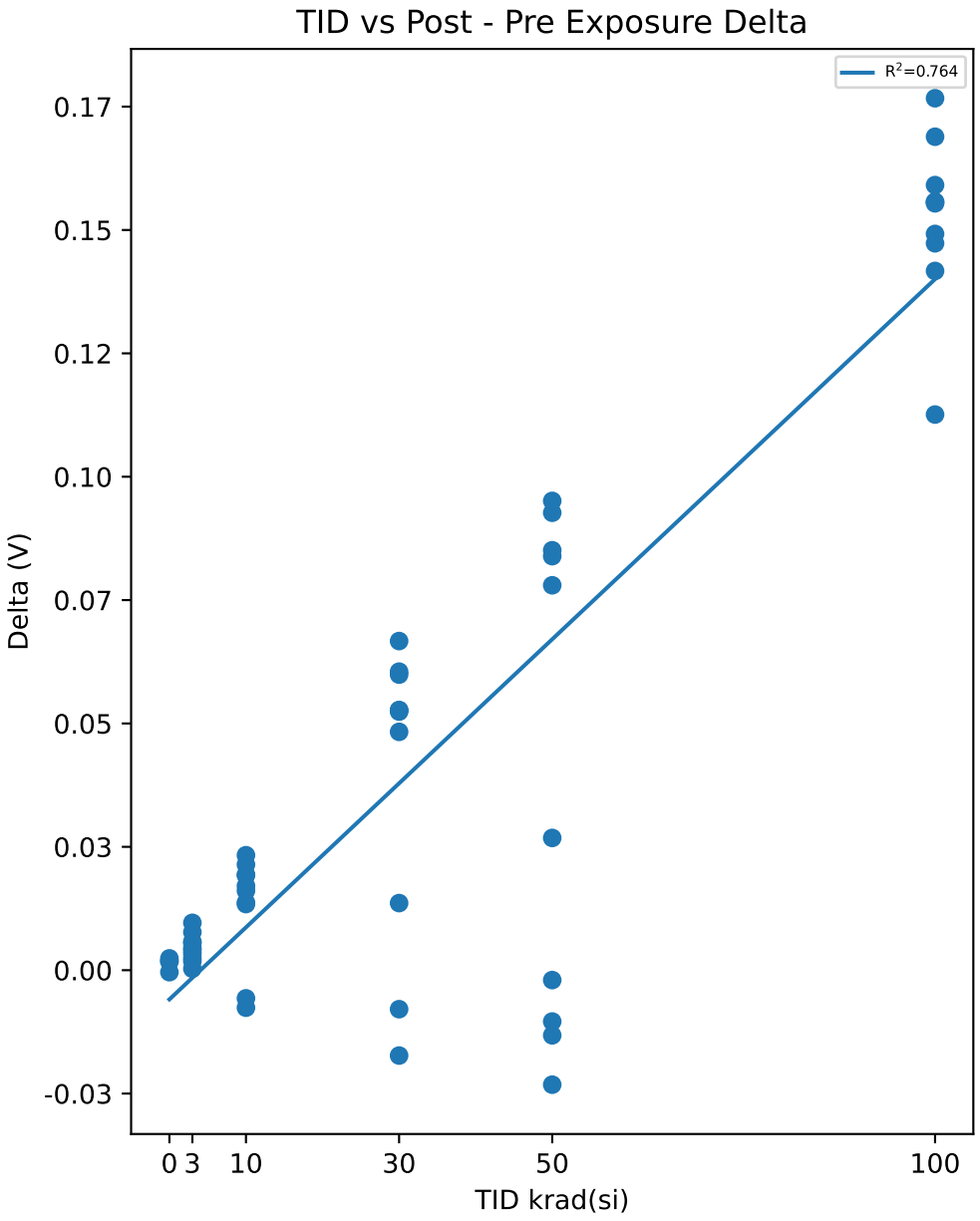
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.4003	1.4024	0.0021
3	3	Biased	1.379	1.383	0.004
4	3	Biased	1.3771	1.3811	0.004
5	3	Biased	1.3926	1.3947	0.0021
6	3	Biased	1.3752	1.3811	0.0059
7	3	Unbiased	1.3771	1.383	0.0059
8	3	Unbiased	1.3731	1.379	0.0059
9	3	Unbiased	1.4179	1.4275	0.0096
10	3	Unbiased	1.4024	1.4083	0.0059
11	3	Unbiased	1.3712	1.3771	0.0059
12	10	Unbiased	1.4003	1.4238	0.0235
13	10	Unbiased	1.412	1.4315	0.0195
14	10	Unbiased	1.4161	1.4374	0.0213
15	10	Unbiased	1.3926	1.4161	0.0235
16	10	Unbiased	1.3867	1.4043	0.0176
17	10	Biased	1.383	1.4043	0.0213
18	10	Biased	1.4043	1.4161	0.0118
19	10	Biased	1.383	1.3966	0.0136
20	10	Biased	1.3576	1.3771	0.0195
21	10	Biased	1.4083	1.4238	0.0155
22	30	Biased	1.4043	1.4451	0.0408
23	30	Biased	1.412	1.4547	0.0427
24	30	Biased	1.3966	1.4392	0.0426
25	30	Biased	1.4003	1.4411	0.0408
26	30	Biased	1.3848	1.4219	0.0371
27	30	Unbiased	1.3811	1.4355	0.0544
28	30	Unbiased	1.4024	1.451	0.0486
29	30	Unbiased	1.3848	1.4374	0.0526
30	30	Unbiased	1.3811	1.4374	0.0563
31	30	Unbiased	1.3966	1.4392	0.0426
32	50	Biased	1.3694	1.4374	0.068
33	50	Biased	1.4043	1.4587	0.0544
34	50	Biased	1.4139	1.4742	0.0603
35	50	Biased	1.383	1.4433	0.0603
36	50	Biased	1.3888	1.4374	0.0486
37	50	Unbiased	1.3984	1.476	0.0776
39	50	Unbiased	1.4161	1.4918	0.0757
40	50	Unbiased	1.4003	1.4624	0.0621
41	50	Unbiased	1.3926	1.4841	0.0915
42	50	Unbiased	1.4083	1.4859	0.0776
43	100	Biased	1.379	1.4606	0.0816
44	100	Biased	1.3848	1.4878	0.103
45	100	Biased	1.412	1.5091	0.0971
46	100	Biased	1.4003	1.5091	0.1088
47	100	Biased	1.3712	1.4683	0.0971
48	100	Unbiased	1.379	1.4896	0.1106
49	100	Unbiased	1.3811	1.4819	0.1008
50	100	Unbiased	1.3539	1.4569	0.103
51	100	Unbiased	1.3731	1.4878	0.1147
52	100	Unbiased	1.4083	1.5227	0.1144
53	0	Correlation	1.4024	1.4062	0.0038
54	0	Correlation	1.379	1.383	0.004
55	0	Correlation	1.3635	1.3675	0.004
56	0	Correlation	1.3752	1.379	0.0038

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	1.3635	1.38	1.4024	0.01631	1.3675	1.3839	1.4062	0.016239	0.0038	0.0039	0.004	0.00011547
3	1.3712	1.3866	1.4179	0.015778	1.3771	1.3917	1.4275	0.016436	0.0021	0.00513	0.0096	0.0022076
10	1.3576	1.3944	1.4161	0.017586	1.3771	1.4131	1.4374	0.017948	0.0118	0.01871	0.0235	0.004027
30	1.3811	1.3944	1.412	0.010824	1.4219	1.4403	1.4547	0.0089836	0.0371	0.04585	0.0563	0.0066169
50	1.3694	1.3975	1.4161	0.014476	1.4374	1.4651	1.4918	0.020457	0.0486	0.06761	0.0915	0.012949
100	1.3539	1.3843	1.412	0.017911	1.4569	1.4874	1.5227	0.021696	0.0816	0.10311	0.1147	0.0099474

Device Test: 6.146; VIN_VALID





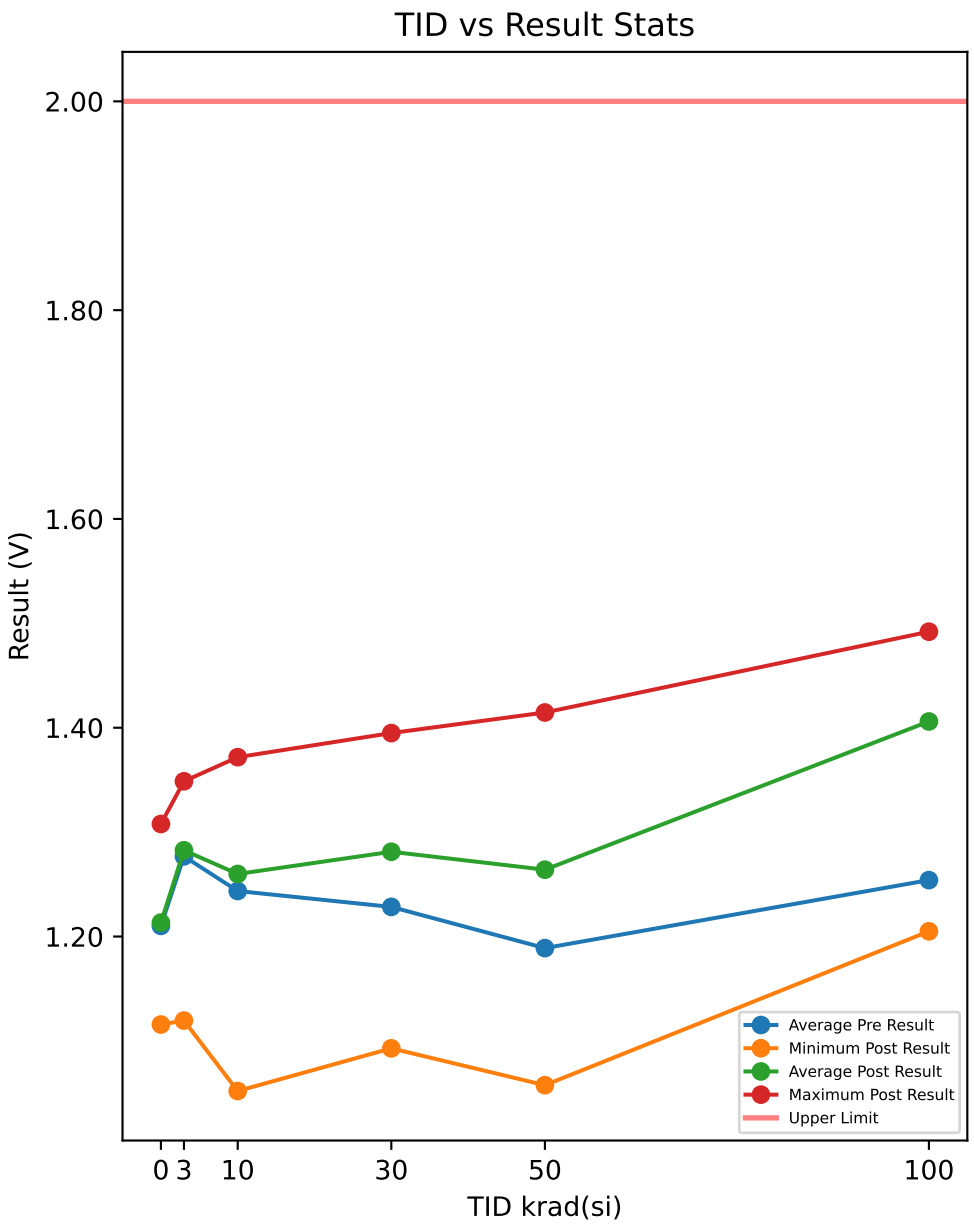
Test Results (Upper Limit = 2.0 (V))

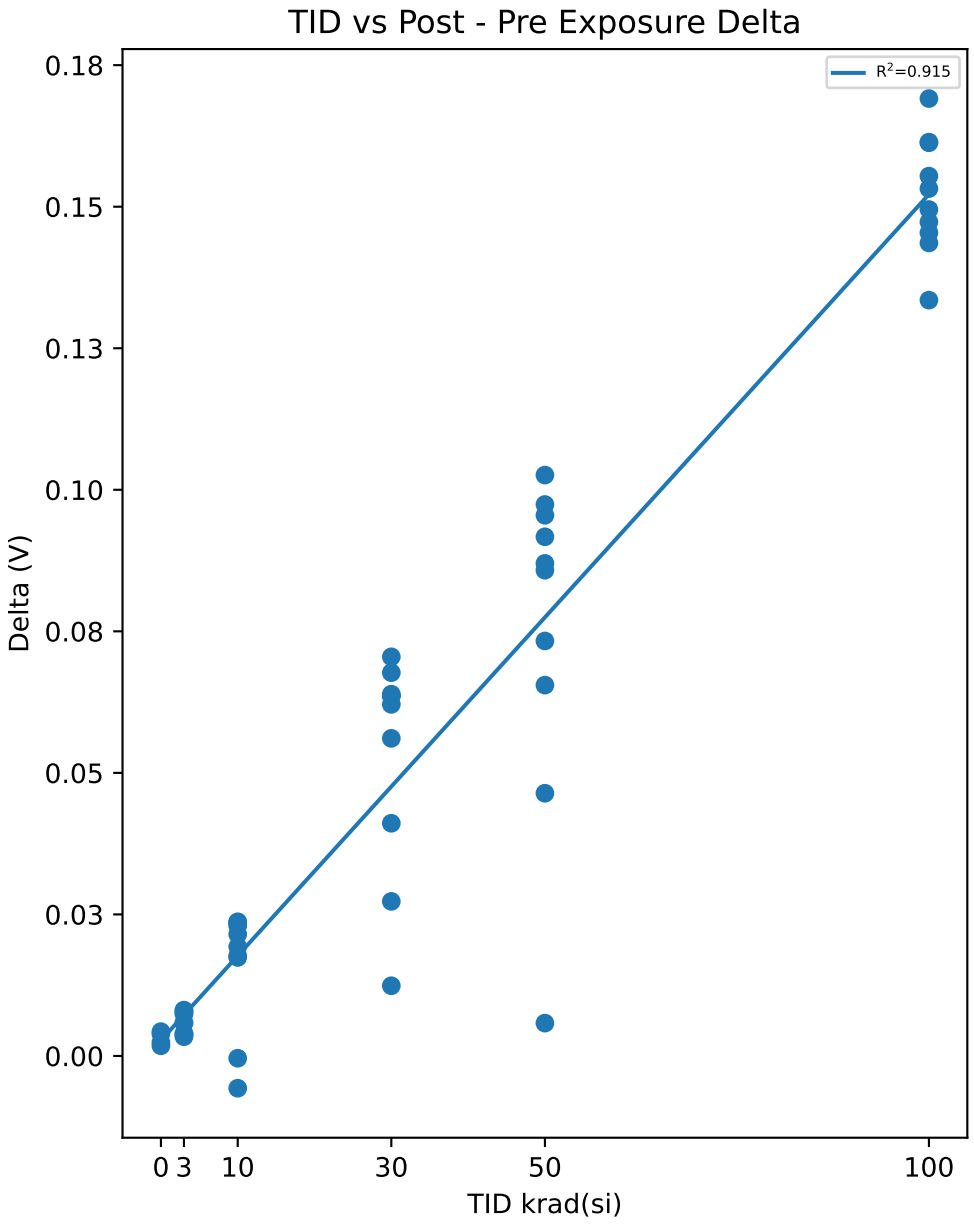
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.3019	1.3059	0.004
3	3	Biased	1.2498	1.2531	0.0033
4	3	Biased	1.2882	1.2906	0.0024
5	3	Biased	1.3057	1.3075	0.0018
6	3	Biased	1.2267	1.2322	0.0055
7	3	Unbiased	1.2729	1.2787	0.0058
8	3	Unbiased	1.2645	1.269	0.0045
9	3	Unbiased	1.3194	1.329	0.0096
10	3	Unbiased	1.3038	1.3115	0.0077
11	3	Unbiased	1.0964	1.0967	0.0003
12	10	Unbiased	1.0362	1.0286	-0.0076
13	10	Unbiased	1.3272	1.3465	0.0193
14	10	Unbiased	1.1976	1.2169	0.0193
15	10	Unbiased	1.3001	1.3234	0.0233
16	10	Unbiased	1.038	1.0323	-0.0057
17	10	Biased	1.2882	1.3096	0.0214
18	10	Biased	1.3019	1.3156	0.0137
19	10	Biased	1.2769	1.2903	0.0134
20	10	Biased	1.2207	1.2378	0.0171
21	10	Biased	1.2264	1.2425	0.0161
22	30	Biased	1.1102	1.1238	0.0136
23	30	Biased	1.3175	1.3702	0.0527
24	30	Biased	1.2342	1.2825	0.0483
25	30	Biased	1.2282	1.2809	0.0527
26	30	Biased	1.0421	1.0248	-0.0173
27	30	Unbiased	1.2963	1.3562	0.0599
28	30	Unbiased	1.0715	1.0636	-0.0079
29	30	Unbiased	1.2729	1.3334	0.0605
30	30	Unbiased	1.2976	1.3643	0.0667
31	30	Unbiased	1.2613	1.3137	0.0524
32	50	Biased	1.0562	1.0458	-0.0104
33	50	Biased	1.1745	1.2672	0.0927
34	50	Biased	1.2926	1.3777	0.0851
35	50	Biased	1.2941	1.3721	0.078
36	50	Biased	1.0499	1.0267	-0.0232
37	50	Unbiased	1.2979	1.393	0.0951
39	50	Unbiased	1.0693	1.0673	-0.002
40	50	Unbiased	1.3154	1.3993	0.0839
41	50	Unbiased	1.0852	1.112	0.0268
42	50	Unbiased	1.0711	1.0579	-0.0132
43	100	Biased	1.2922	1.4339	0.1417
44	100	Biased	1.1995	1.3762	0.1767
45	100	Biased	1.2707	1.4261	0.1554
46	100	Biased	1.3191	1.4748	0.1557
47	100	Biased	1.0362	1.1488	0.1126
48	100	Unbiased	1.1801	1.3293	0.1492
49	100	Unbiased	1.2979	1.4536	0.1557
50	100	Unbiased	1.2423	1.4014	0.1591
51	100	Unbiased	1.1745	1.3218	0.1473
52	100	Unbiased	1.3194	1.4883	0.1689
53	0	Correlation	1.0824	1.0848	0.0024
54	0	Correlation	1.207	1.2088	0.0018
55	0	Correlation	1.1936	1.1932	-0.0004
56	0	Correlation	1.2922	1.294	0.0018

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	1.0824	1.1938	1.2922	0.086153	1.0848	1.1952	1.294	0.085904	-0.0004	0.0014	0.0024	0.0012329
3	1.0964	1.2629	1.3194	0.065119	1.0967	1.2674	1.329	0.066733	0.0003	0.00449	0.0096	0.0027882
10	1.0362	1.2213	1.3272	0.10538	1.0286	1.2344	1.3465	0.1152	-0.0076	0.01303	0.0233	0.010838
30	1.0421	1.2132	1.3175	0.10078	1.0248	1.2513	1.3702	0.13046	-0.0173	0.03816	0.0667	0.030396
50	1.0499	1.1706	1.3154	0.11664	1.0267	1.2119	1.3993	0.16351	-0.0232	0.04128	0.0951	0.050006
100	1.0362	1.2332	1.3194	0.088302	1.1488	1.3854	1.4883	0.10042	0.1126	0.15223	0.1767	0.017233

Device Test: 6.147; VIN_VALID





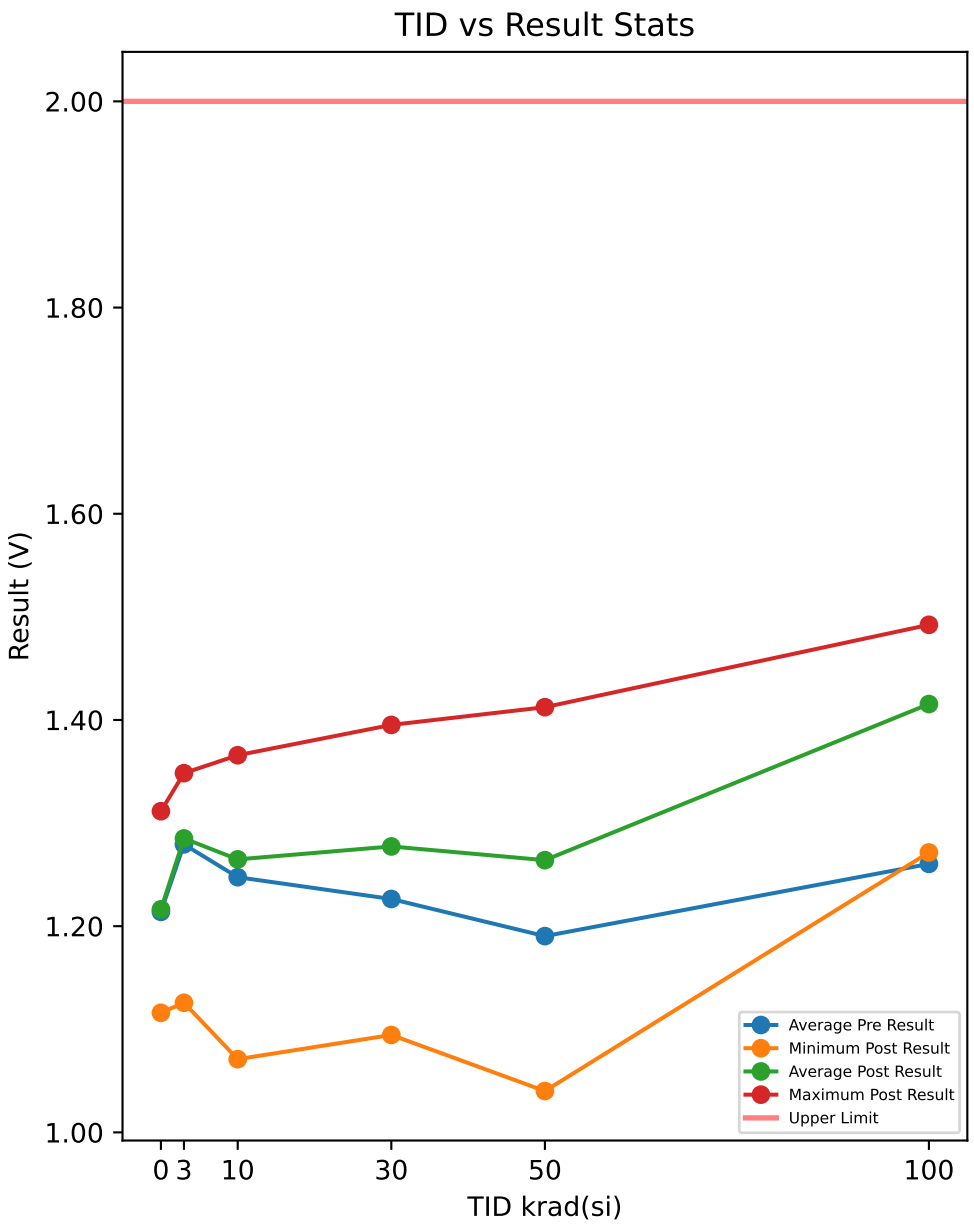
Test Results (Upper Limit = 2.0 (V))

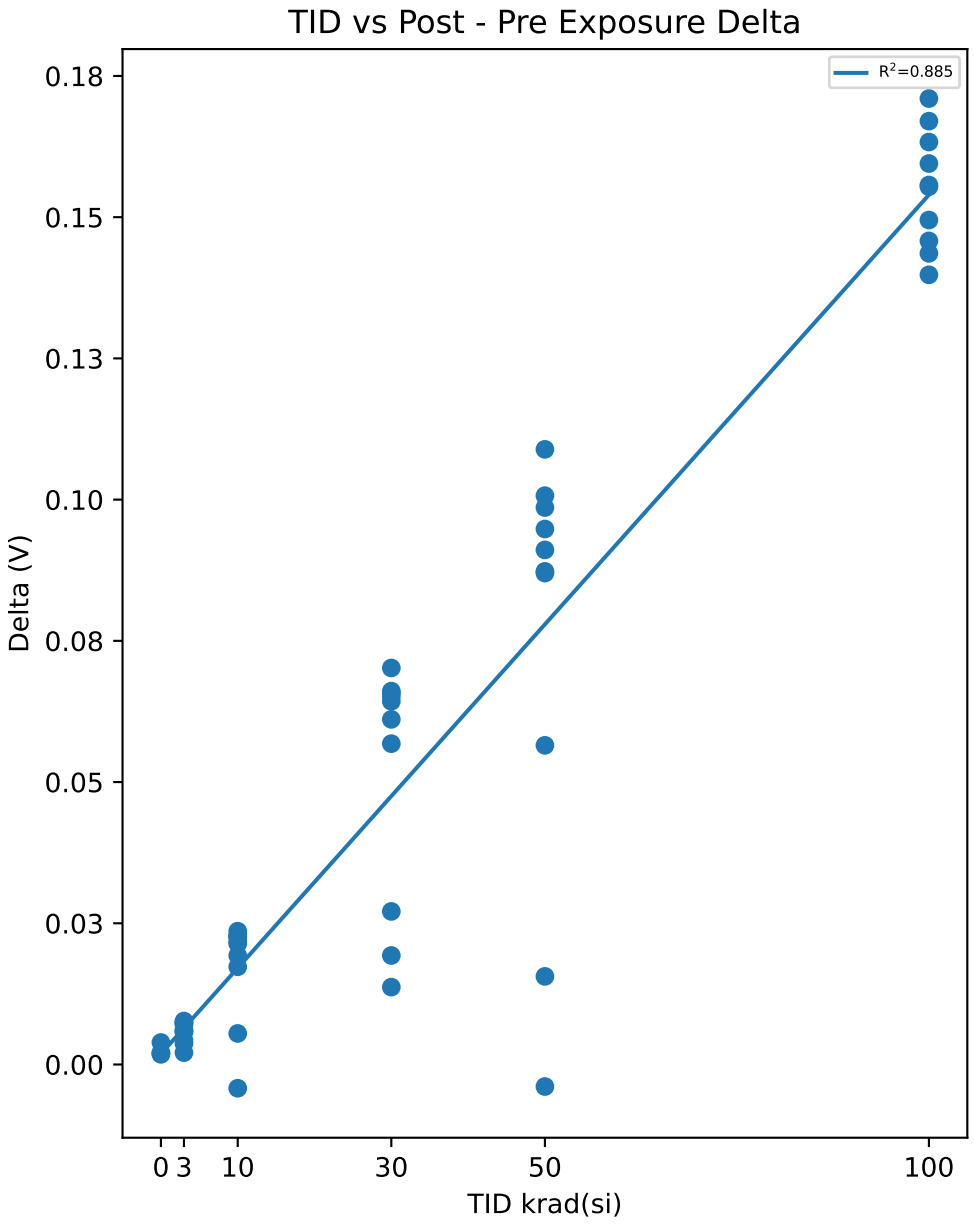
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.3116	1.3153	0.0037
3	3	Biased	1.261	1.2669	0.0059
4	3	Biased	1.2976	1.3015	0.0039
5	3	Biased	1.3191	1.3231	0.004
6	3	Biased	1.2382	1.2456	0.0074
7	3	Unbiased	1.2882	1.294	0.0058
8	3	Unbiased	1.2807	1.2884	0.0077
9	3	Unbiased	1.3407	1.3487	0.008
10	3	Unbiased	1.315	1.3231	0.0081
11	3	Unbiased	1.1161	1.1195	0.0034
12	10	Unbiased	1.0577	1.052	-0.0057
13	10	Unbiased	1.3503	1.3718	0.0215
14	10	Unbiased	1.2107	1.2344	0.0237
15	10	Unbiased	1.3172	1.3406	0.0234
16	10	Unbiased	1.0774	1.077	-0.0004
17	10	Biased	1.3076	1.3312	0.0236
18	10	Biased	1.3116	1.329	0.0174
19	10	Biased	1.2941	1.3118	0.0177
20	10	Biased	1.2535	1.2765	0.023
21	10	Biased	1.2557	1.275	0.0193
22	30	Biased	1.1024	1.1435	0.0411
23	30	Biased	1.3313	1.3949	0.0636
24	30	Biased	1.2557	1.3178	0.0621
25	30	Biased	1.256	1.3196	0.0636
26	30	Biased	1.079	1.1063	0.0273
27	30	Unbiased	1.306	1.3737	0.0677
28	30	Unbiased	1.0805	1.0929	0.0124
29	30	Unbiased	1.2904	1.3543	0.0639
30	30	Unbiased	1.3169	1.3874	0.0705
31	30	Unbiased	1.2654	1.3215	0.0561
32	50	Biased	1.0518	1.0982	0.0464
33	50	Biased	1.2323	1.3349	0.1026
34	50	Biased	1.3094	1.4049	0.0955
35	50	Biased	1.3094	1.3952	0.0858
36	50	Biased	1.0927	1.166	0.0733
37	50	Unbiased	1.3172	1.4146	0.0974
39	50	Unbiased	1.0518	1.0576	0.0058
40	50	Unbiased	1.3254	1.4124	0.087
41	50	Unbiased	1.0911	1.1566	0.0655
42	50	Unbiased	1.108	1.1997	0.0917
43	100	Biased	1.3135	1.4589	0.1454
44	100	Biased	1.2398	1.4089	0.1691
45	100	Biased	1.2829	1.4361	0.1532
46	100	Biased	1.3307	1.492	0.1613
47	100	Biased	1.0577	1.205	0.1473
48	100	Unbiased	1.2132	1.3568	0.1436
49	100	Unbiased	1.3094	1.4589	0.1495
50	100	Unbiased	1.267	1.4224	0.1554
51	100	Unbiased	1.2011	1.3346	0.1335
52	100	Unbiased	1.325	1.4864	0.1614
53	0	Correlation	1.1139	1.1157	0.0018
54	0	Correlation	1.2167	1.2206	0.0039
55	0	Correlation	1.2067	1.2091	0.0024
56	0	Correlation	1.3035	1.3078	0.0043

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	1.1139	1.2102	1.3035	0.077531	1.1157	1.2133	1.3078	0.078585	0.0018	0.0031	0.0043	0.0011916
3	1.1161	1.2768	1.3407	0.063844	1.1195	1.2826	1.3487	0.064513	0.0034	0.00579	0.0081	0.0019244
10	1.0577	1.2436	1.3503	0.10087	1.052	1.2599	1.3718	0.11026	-0.0057	0.01635	0.0237	0.010569
30	1.079	1.2284	1.3313	0.10068	1.0929	1.2812	1.3949	0.11905	0.0124	0.05283	0.0705	0.019461
50	1.0518	1.1889	1.3254	0.11971	1.0576	1.264	1.4146	0.14227	0.0058	0.0751	0.1026	0.02967
100	1.0577	1.254	1.3307	0.082822	1.205	1.406	1.492	0.08728	0.1335	0.15197	0.1691	0.010355

Device Test: 6.148; VIN_VALID





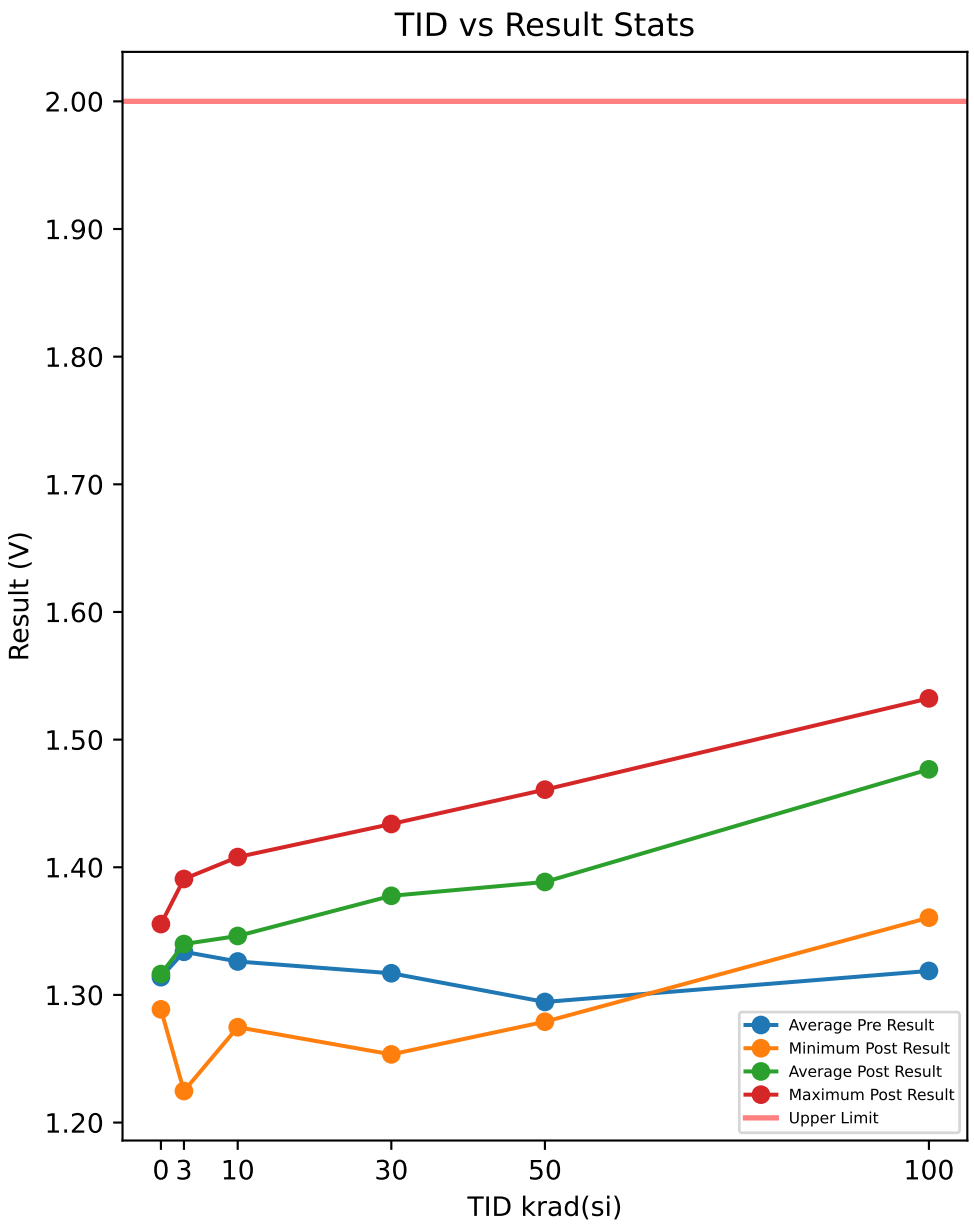
Test Results (Upper Limit = 2.0 (V))

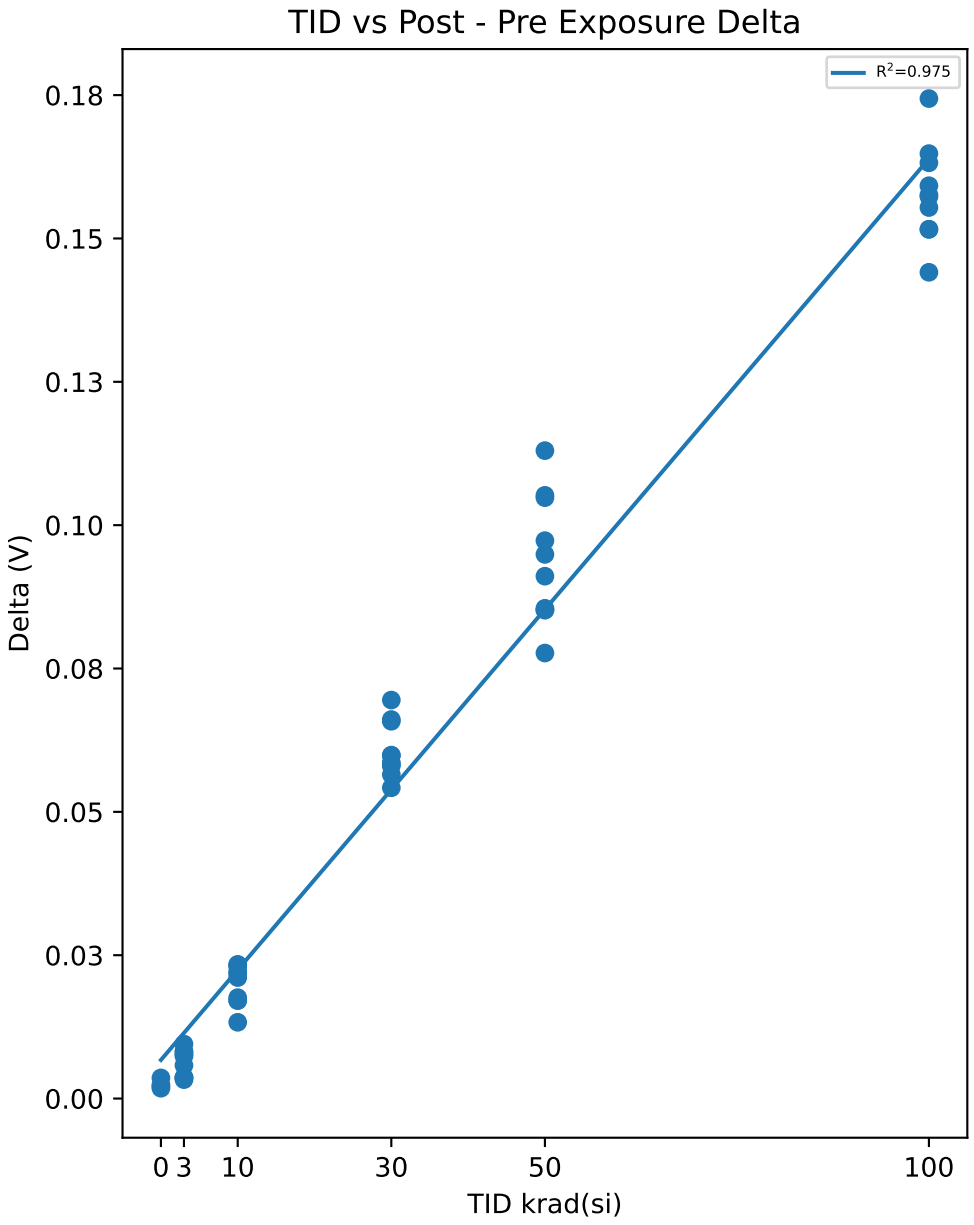
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.3135	1.3193	0.0058
3	3	Biased	1.2554	1.2625	0.0071
4	3	Biased	1.3016	1.3059	0.0043
5	3	Biased	1.3191	1.3228	0.0037
6	3	Biased	1.2495	1.2572	0.0077
7	3	Unbiased	1.2901	1.2959	0.0058
8	3	Unbiased	1.2785	1.2847	0.0062
9	3	Unbiased	1.341	1.3484	0.0074
10	3	Unbiased	1.3213	1.3287	0.0074
11	3	Unbiased	1.1236	1.1257	0.0021
12	10	Unbiased	1.0752	1.071	-0.0042
13	10	Unbiased	1.3444	1.3658	0.0214
14	10	Unbiased	1.2011	1.2247	0.0236
15	10	Unbiased	1.3119	1.3346	0.0227
16	10	Unbiased	1.1024	1.1079	0.0055
17	10	Biased	1.3135	1.3362	0.0227
18	10	Biased	1.3154	1.3327	0.0173
19	10	Biased	1.2941	1.3134	0.0193
20	10	Biased	1.2557	1.2784	0.0227
21	10	Biased	1.2613	1.2831	0.0218
22	30	Biased	1.083	1.1023	0.0193
23	30	Biased	1.3291	1.3952	0.0661
24	30	Biased	1.266	1.3271	0.0611
25	30	Biased	1.2591	1.3234	0.0643
26	30	Biased	1.0752	1.1023	0.0271
27	30	Unbiased	1.3022	1.3674	0.0652
28	30	Unbiased	1.0808	1.0945	0.0137
29	30	Unbiased	1.2844	1.3502	0.0658
30	30	Unbiased	1.3094	1.3796	0.0702
31	30	Unbiased	1.2744	1.3312	0.0568
32	50	Biased	1.038	1.0536	0.0156
33	50	Biased	1.2267	1.3274	0.1007
34	50	Biased	1.3138	1.4086	0.0948
35	50	Biased	1.306	1.393	0.087
36	50	Biased	1.1258	1.2169	0.0911
37	50	Unbiased	1.3138	1.4124	0.0986
39	50	Unbiased	1.044	1.0401	-0.0039
40	50	Unbiased	1.3213	1.4086	0.0873
41	50	Unbiased	1.0808	1.1373	0.0565
42	50	Unbiased	1.1333	1.2422	0.1089
43	100	Biased	1.3097	1.4533	0.1436
44	100	Biased	1.2301	1.3971	0.167
45	100	Biased	1.2804	1.4361	0.1557
46	100	Biased	1.3328	1.4923	0.1595
47	100	Biased	1.1005	1.2715	0.171
48	100	Unbiased	1.2051	1.3449	0.1398
49	100	Unbiased	1.3135	1.463	0.1495
50	100	Unbiased	1.2688	1.4242	0.1554
51	100	Unbiased	1.2457	1.3915	0.1458
52	100	Unbiased	1.3172	1.4805	0.1633
53	0	Correlation	1.1142	1.116	0.0018
54	0	Correlation	1.2189	1.2209	0.002
55	0	Correlation	1.2148	1.2169	0.0021
56	0	Correlation	1.3076	1.3115	0.0039

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	1.1142	1.2139	1.3076	0.079048	1.116	1.2163	1.3115	0.079885	0.0018	0.00245	0.0039	0.00097468
3	1.1236	1.2794	1.341	0.06204	1.1257	1.2851	1.3484	0.063022	0.0021	0.00575	0.0077	0.0018531
10	1.0752	1.2475	1.3444	0.092992	1.071	1.2648	1.3658	0.1008	-0.0042	0.01728	0.0236	0.0092479
30	1.0752	1.2264	1.3291	0.10334	1.0945	1.2773	1.3952	0.12471	0.0137	0.05096	0.0702	0.021851
50	1.038	1.1904	1.3213	0.1185	1.0401	1.264	1.4124	0.14819	-0.0039	0.07366	0.1089	0.038573
100	1.1005	1.2604	1.3328	0.06988	1.2715	1.4154	1.4923	0.067448	0.1398	0.15506	0.171	0.010358

Device Test: 6.149; VIN_VALID





Test Results (Upper Limit = 2.0 (V))

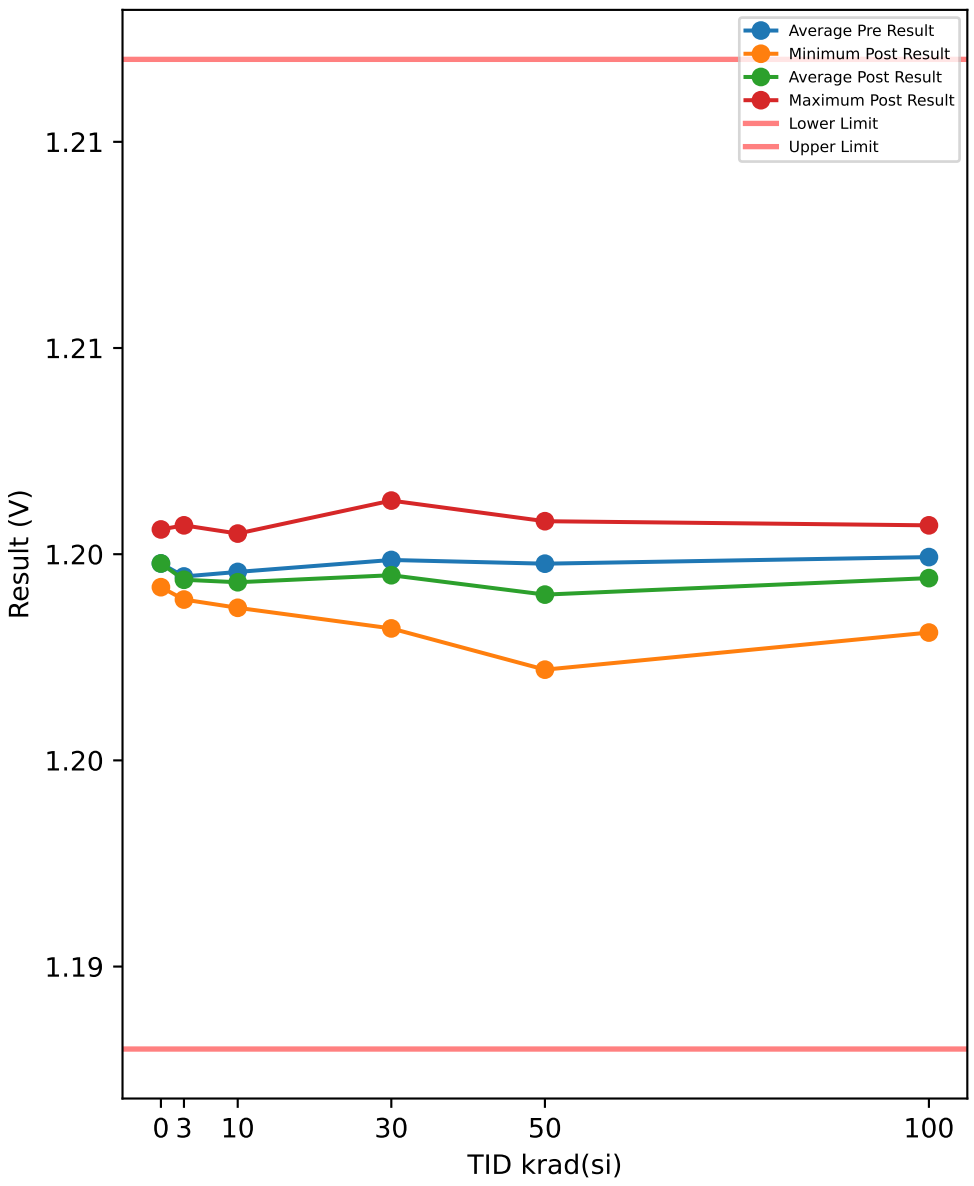
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.36	1.3637	0.0037
3	3	Biased	1.3041	1.3078	0.0037
4	3	Biased	1.3407	1.344	0.0033
5	3	Biased	1.356	1.3596	0.0036
6	3	Biased	1.3194	1.3268	0.0074
7	3	Unbiased	1.3444	1.3521	0.0077
8	3	Unbiased	1.3441	1.3521	0.008
9	3	Unbiased	1.3813	1.3908	0.0095
10	3	Unbiased	1.3713	1.3771	0.0058
11	3	Unbiased	1.2164	1.2247	0.0083
12	10	Unbiased	1.2691	1.2925	0.0234
13	10	Unbiased	1.3869	1.408	0.0211
14	10	Unbiased	1.2663	1.2884	0.0221
15	10	Unbiased	1.36	1.383	0.023
16	10	Unbiased	1.2576	1.2747	0.0171
17	10	Biased	1.35	1.3733	0.0233
18	10	Biased	1.36	1.3733	0.0133
19	10	Biased	1.3482	1.3658	0.0176
20	10	Biased	1.3172	1.339	0.0218
21	10	Biased	1.3466	1.3637	0.0171
22	30	Biased	1.1936	1.2534	0.0598
23	30	Biased	1.3753	1.4339	0.0586
24	30	Biased	1.3463	1.4046	0.0583
25	30	Biased	1.3425	1.4005	0.058
26	30	Biased	1.3001	1.3543	0.0542
27	30	Unbiased	1.3444	1.4102	0.0658
28	30	Unbiased	1.2229	1.2828	0.0599
29	30	Unbiased	1.346	1.4121	0.0661
30	30	Unbiased	1.356	1.4255	0.0695
31	30	Unbiased	1.3425	1.399	0.0565
32	50	Biased	1.1742	1.279	0.1048
33	50	Biased	1.3503	1.4355	0.0852
34	50	Biased	1.3697	1.4608	0.0911
35	50	Biased	1.3444	1.4299	0.0855
36	50	Biased	1.2766	1.3543	0.0777
37	50	Unbiased	1.3597	1.457	0.0973
39	50	Unbiased	1.1876	1.2928	0.1052
40	50	Unbiased	1.3734	1.4586	0.0852
41	50	Unbiased	1.1895	1.3025	0.113
42	50	Unbiased	1.3194	1.4143	0.0949
43	100	Biased	1.346	1.4901	0.1441
44	100	Biased	1.2976	1.4608	0.1632
45	100	Biased	1.3463	1.4979	0.1516
46	100	Biased	1.375	1.5323	0.1573
47	100	Biased	1.1861	1.3605	0.1744
48	100	Unbiased	1.3154	1.467	0.1516
49	100	Unbiased	1.3519	1.5073	0.1554
50	100	Unbiased	1.3269	1.4861	0.1592
51	100	Unbiased	1.2826	1.4402	0.1576
52	100	Unbiased	1.36	1.5248	0.1648
53	0	Correlation	1.2863	1.2887	0.0024
54	0	Correlation	1.3116	1.3134	0.0018
55	0	Correlation	1.3057	1.3078	0.0021
56	0	Correlation	1.3519	1.3555	0.0036

Test Statistics (V)

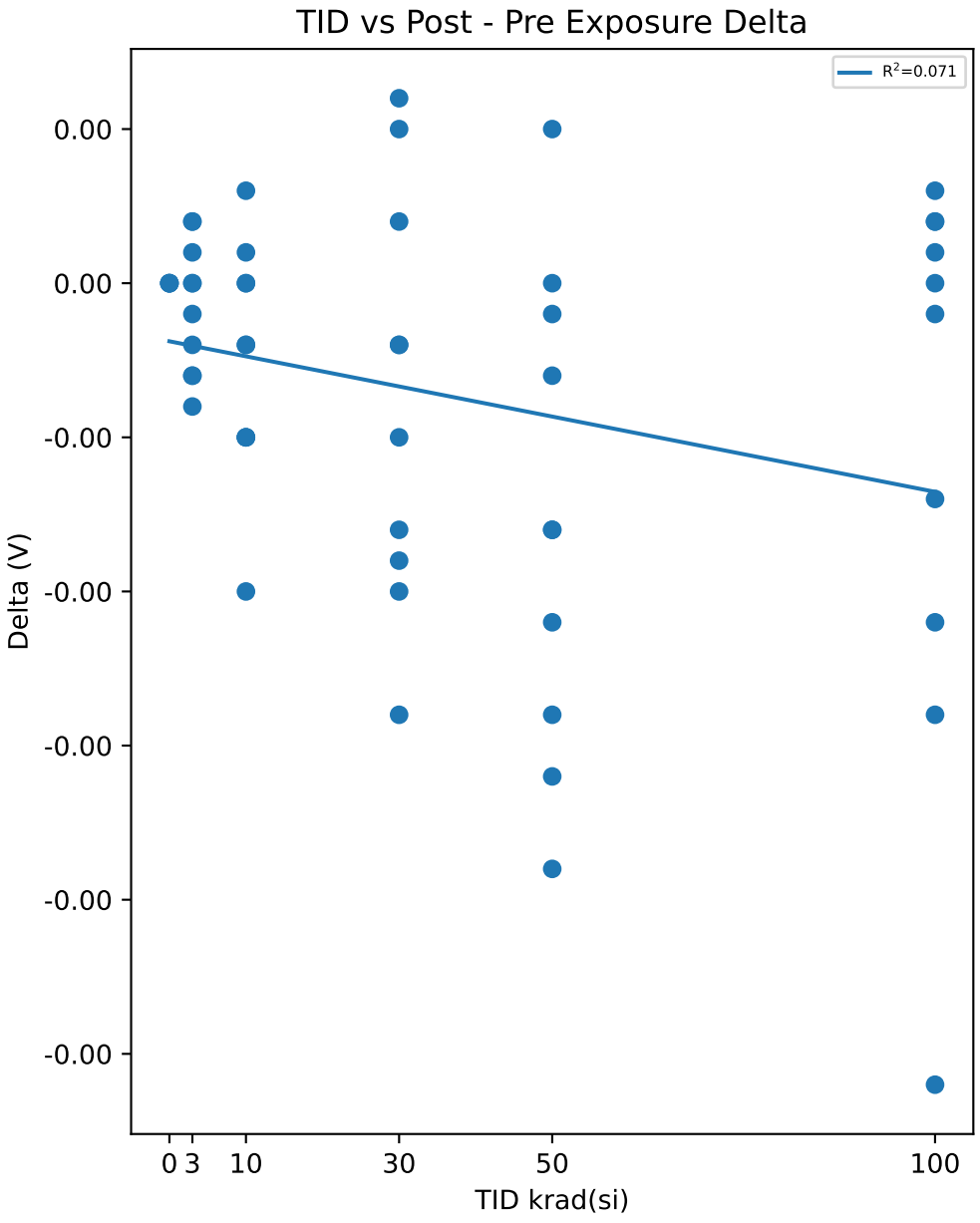
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.2863	1.3139	1.3519	0.027558	1.2887	1.3163	1.3555	0.028161	0.0018	0.002475	0.0036	0.00078899
3	1.2164	1.3338	1.3813	0.047117	1.2247	1.3399	1.3908	0.046805	0.0033	0.0061	0.0095	0.0023561
10	1.2576	1.3262	1.3869	0.046033	1.2747	1.3462	1.408	0.045609	0.0133	0.01998	0.0234	0.0034605
30	1.1936	1.317	1.3753	0.060588	1.2534	1.3776	1.4339	0.06181	0.0542	0.06067	0.0695	0.0048465
50	1.1742	1.2945	1.3734	0.081377	1.279	1.3885	1.4608	0.073889	0.0777	0.09399	0.113	0.011136
100	1.1861	1.3188	1.375	0.054665	1.3605	1.4767	1.5323	0.049711	0.1441	0.15792	0.1744	0.008341

Device Test: 6.15; REFCAP

TID vs Result Stats



TID vs Post - Pre Exposure Delta



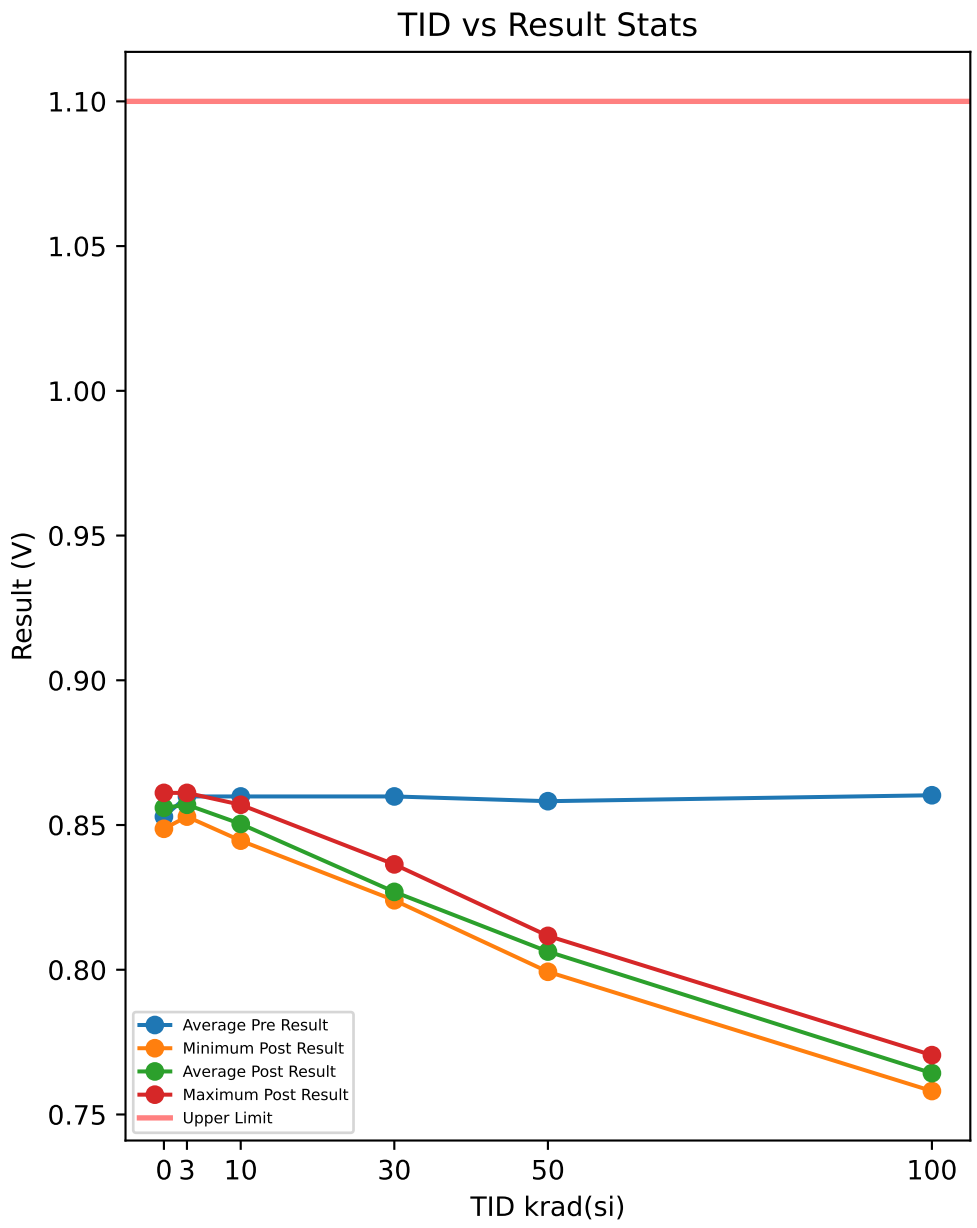
Test Results (Lower Limit = 1.188, Upper Limit = 1.212 (V))

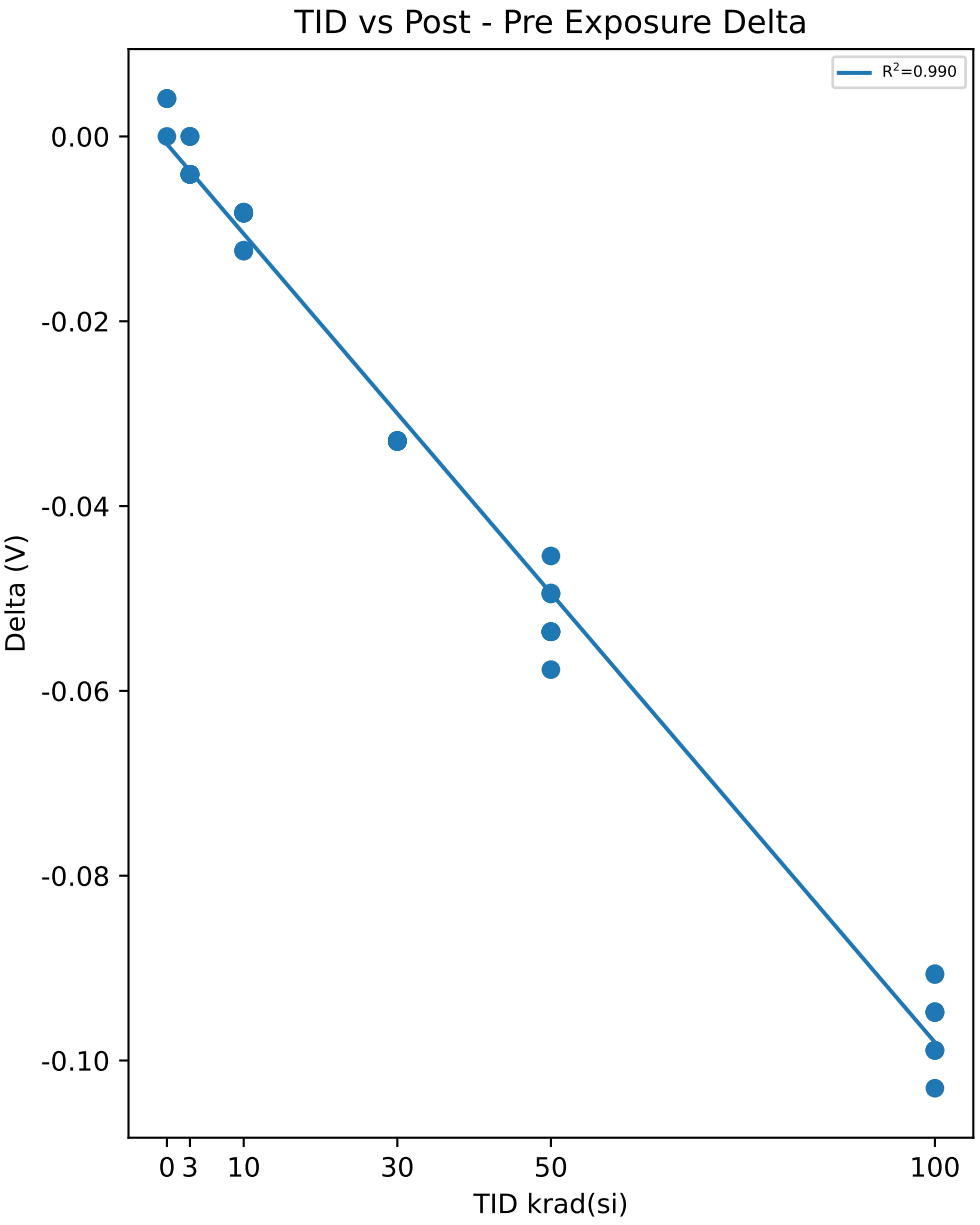
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.1997	1.1993	-0.0004
3	3	Biased	1.1992	1.1991	-0.0001
4	3	Biased	1.1997	1.1994	-0.0003
5	3	Biased	1.2007	1.2007	0
6	3	Biased	1.1988	1.199	0.0002
7	3	Unbiased	1.199	1.1992	0.0002
8	3	Unbiased	1.1995	1.1993	-0.0002
9	3	Unbiased	1.1996	1.1997	0.0001
10	3	Unbiased	1.1992	1.1992	0
11	3	Unbiased	1.1992	1.1989	-0.0003
12	10	Unbiased	1.1985	1.1988	0.0003
13	10	Unbiased	1.1999	1.1997	-0.0002
14	10	Unbiased	1.1989	1.1989	0
15	10	Unbiased	1.201	1.2005	-0.0005
16	10	Unbiased	1.1989	1.1987	-0.0002
17	10	Biased	1.2003	1.1993	-0.001
18	10	Biased	1.1993	1.1993	0
19	10	Biased	1.1999	1.2	0.0001
20	10	Biased	1.1994	1.1989	-0.0005
21	10	Biased	1.1996	1.1991	-0.0005
22	30	Biased	1.1996	1.1987	-0.0009
23	30	Biased	1.1994	1.1986	-0.0008
24	30	Biased	1.2008	1.1994	-0.0014
25	30	Biased	1.1997	1.1999	0.0002
26	30	Biased	1.1992	1.199	-0.0002
27	30	Unbiased	1.1987	1.1982	-0.0005
28	30	Unbiased	1.2003	1.2001	-0.0002
29	30	Unbiased	1.2007	1.2013	0.0006
30	30	Unbiased	1.2001	1.1991	-0.001
31	30	Unbiased	1.2001	1.2006	0.0005
32	50	Biased	1.1995	1.1984	-0.0011
33	50	Biased	1.1997	1.1983	-0.0014
34	50	Biased	1.2005	1.2002	-0.0003
35	50	Biased	1.1993	1.1993	0
36	50	Biased	1.1993	1.1977	-0.0016
37	50	Unbiased	1.1991	1.1972	-0.0019
39	50	Unbiased	1.2002	1.1994	-0.0008
40	50	Unbiased	1.1989	1.1994	0.0005
41	50	Unbiased	1.2003	1.1995	-0.0008
42	50	Unbiased	1.2009	1.2008	-0.0001
43	100	Biased	1.1991	1.1992	0.0001
44	100	Biased	1.2007	1.1996	-0.0011
45	100	Biased	1.1988	1.1988	0
46	100	Biased	1.2007	1.1981	-0.0026
47	100	Biased	1.1996	1.1989	-0.0007
48	100	Unbiased	1.2004	1.199	-0.0014
49	100	Unbiased	1.2005	1.2007	0.0002
50	100	Unbiased	1.2004	1.2007	0.0003
51	100	Unbiased	1.2003	1.2005	0.0002
52	100	Unbiased	1.1988	1.1987	-0.0001
53	0	Correlation	1.2006	1.2006	0
54	0	Correlation	1.1993	1.1993	0
55	0	Correlation	1.2	1.2	0
56	0	Correlation	1.1992	1.1992	0

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	1.1992	1.1998	1.2006	0.00065511	1.1992	1.1998	1.2006	0.00065511	0	0	0	0
3	1.1988	1.1995	1.2007	0.00052957	1.1989	1.1994	1.2007	0.00051381	-0.0004	-8e-05	0.0002	0.00021499
10	1.1985	1.1996	1.201	0.00074095	1.1987	1.1993	1.2005	0.00058271	-0.001	-0.00025	0.0003	0.00038079
30	1.1987	1.1999	1.2008	0.00066533	1.1982	1.1995	1.2013	0.00097348	-0.0014	-0.00037	0.0006	0.00066841
50	1.1989	1.1998	1.2009	0.00066675	1.1972	1.199	1.2008	0.0011114	-0.0019	-0.00075	0.0005	0.00077064
100	1.1988	1.1999	1.2007	0.00077753	1.1981	1.1994	1.2007	0.0009199	-0.0026	-0.00051	0.0003	0.00094334

Device Test: 6.150; VPULLUP_VALID





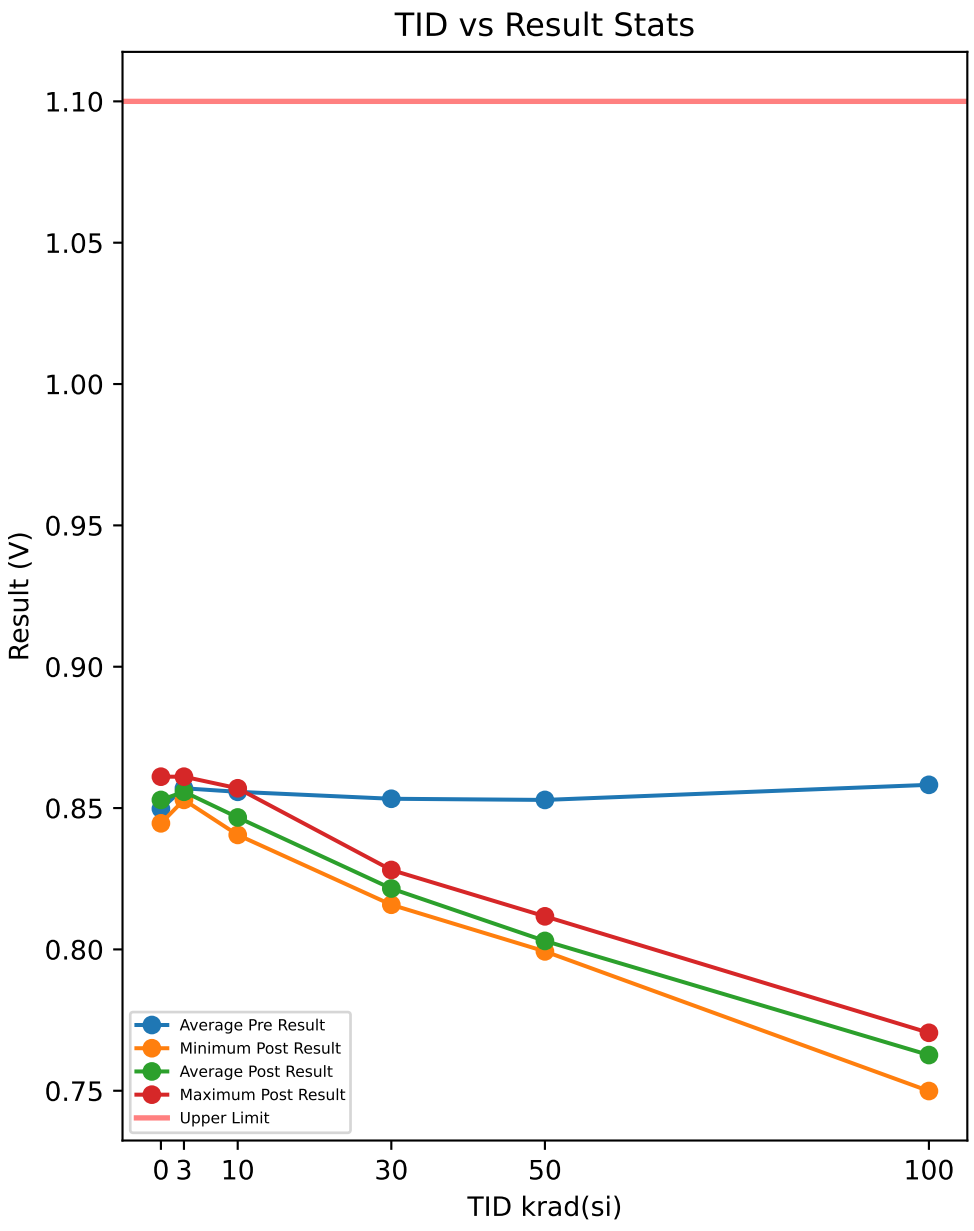
Test Results (Upper Limit = 1.1 (V))

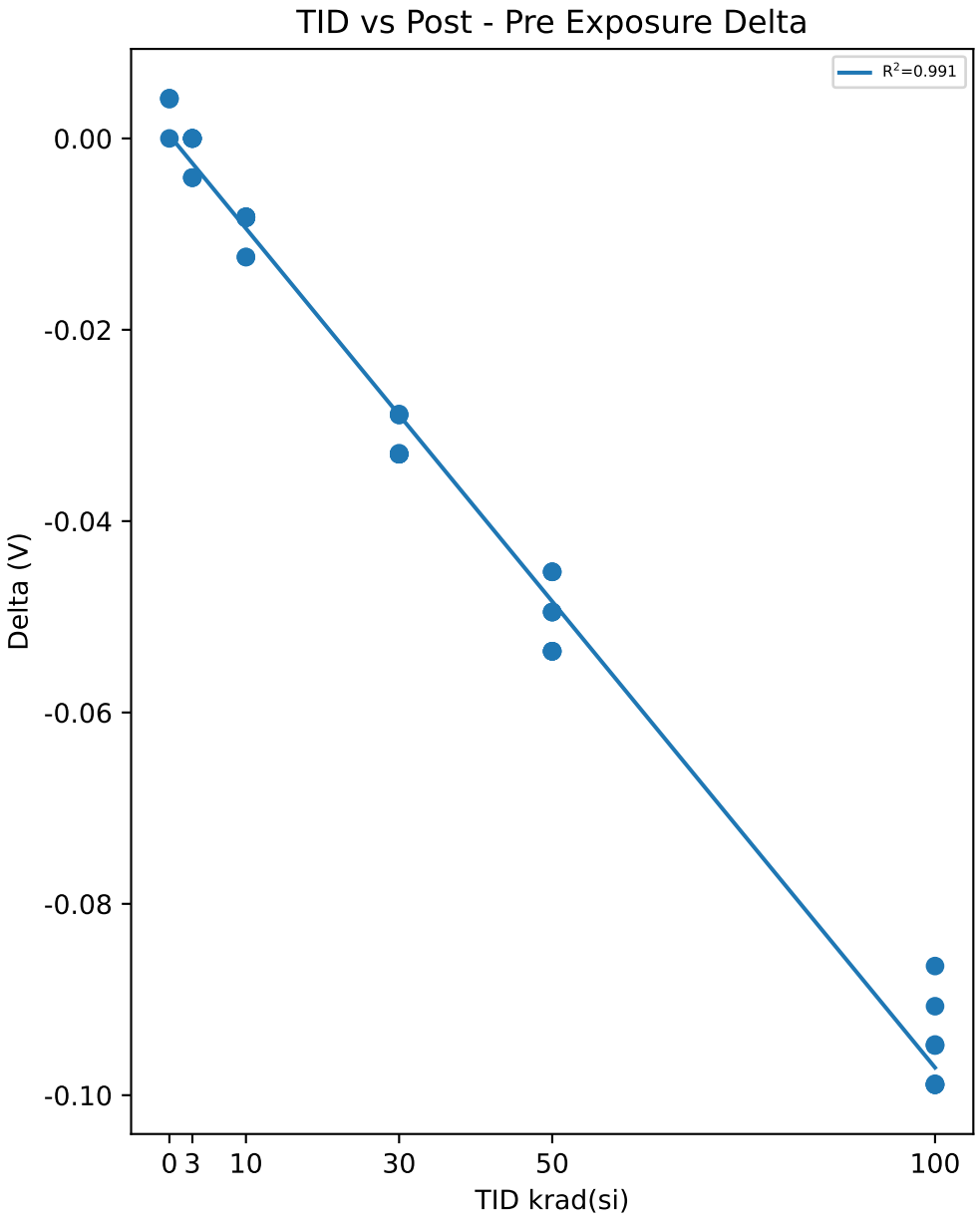
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.857	0.857	0
3	3	Biased	0.8611	0.8611	0
4	3	Biased	0.8611	0.857	-0.0041
5	3	Biased	0.8611	0.857	-0.0041
6	3	Biased	0.8611	0.857	-0.0041
7	3	Unbiased	0.857	0.8529	-0.0041
8	3	Unbiased	0.8611	0.857	-0.0041
9	3	Unbiased	0.8611	0.8611	0
10	3	Unbiased	0.857	0.8529	-0.0041
11	3	Unbiased	0.8611	0.857	-0.0041
12	10	Unbiased	0.857	0.8487	-0.0083
13	10	Unbiased	0.8611	0.8487	-0.0124
14	10	Unbiased	0.8611	0.8529	-0.0082
15	10	Unbiased	0.8611	0.8529	-0.0082
16	10	Unbiased	0.8611	0.8487	-0.0124
17	10	Biased	0.857	0.8487	-0.0083
18	10	Biased	0.8693	0.857	-0.0123
19	10	Biased	0.857	0.8487	-0.0083
20	10	Biased	0.8611	0.8529	-0.0082
21	10	Biased	0.8529	0.8446	-0.0083
22	30	Biased	0.8652	0.8323	-0.0329
23	30	Biased	0.857	0.824	-0.033
24	30	Biased	0.857	0.824	-0.033
25	30	Biased	0.857	0.824	-0.033
26	30	Biased	0.857	0.824	-0.033
27	30	Unbiased	0.857	0.824	-0.033
28	30	Unbiased	0.8652	0.8323	-0.0329
29	30	Unbiased	0.857	0.824	-0.033
30	30	Unbiased	0.857	0.824	-0.033
31	30	Unbiased	0.8693	0.8364	-0.0329
32	50	Biased	0.8611	0.8075	-0.0536
33	50	Biased	0.857	0.8034	-0.0536
34	50	Biased	0.857	0.7993	-0.0577
35	50	Biased	0.8611	0.8075	-0.0536
36	50	Biased	0.8611	0.8117	-0.0494
37	50	Unbiased	0.857	0.8075	-0.0495
39	50	Unbiased	0.8611	0.8075	-0.0536
40	50	Unbiased	0.8529	0.8075	-0.0454
41	50	Unbiased	0.8611	0.8075	-0.0536
42	50	Unbiased	0.8529	0.8034	-0.0495
43	100	Biased	0.8652	0.7705	-0.0947
44	100	Biased	0.8652	0.7663	-0.0989
45	100	Biased	0.8611	0.7581	-0.103
46	100	Biased	0.857	0.7663	-0.0907
47	100	Biased	0.8611	0.7705	-0.0906
48	100	Unbiased	0.8529	0.7581	-0.0948
49	100	Unbiased	0.857	0.7581	-0.0989
50	100	Unbiased	0.8611	0.7663	-0.0948
51	100	Unbiased	0.8652	0.7663	-0.0989
52	100	Unbiased	0.857	0.7622	-0.0948
53	0	Correlation	0.8487	0.8487	0
54	0	Correlation	0.8529	0.857	0.0041
55	0	Correlation	0.8529	0.857	0.0041
56	0	Correlation	0.857	0.8611	0.0041

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	0.8487	0.85288	0.857	0.0033886	0.8487	0.85595	0.8611	0.0052054	0	0.003075	0.0041	0.00205
3	0.857	0.85987	0.8611	0.0019805	0.8529	0.857	0.8611	0.0027333	-0.0041	-0.00287	0	0.0019805
10	0.8529	0.85987	0.8693	0.0043433	0.8446	0.85038	0.857	0.0035023	-0.0124	-0.00949	-0.0082	0.0019858
30	0.857	0.85987	0.8693	0.004754	0.824	0.8269	0.8364	0.0048009	-0.033	-0.03297	-0.0329	4.8305e-05
50	0.8529	0.85823	0.8611	0.0033754	0.7993	0.80628	0.8117	0.0033931	-0.0577	-0.05195	-0.0454	0.0034655
100	0.8529	0.86028	0.8652	0.0042345	0.7581	0.76427	0.7705	0.0048603	-0.103	-0.09601	-0.0906	0.0039085

Device Test: 6.151; VPULLUP_VALID





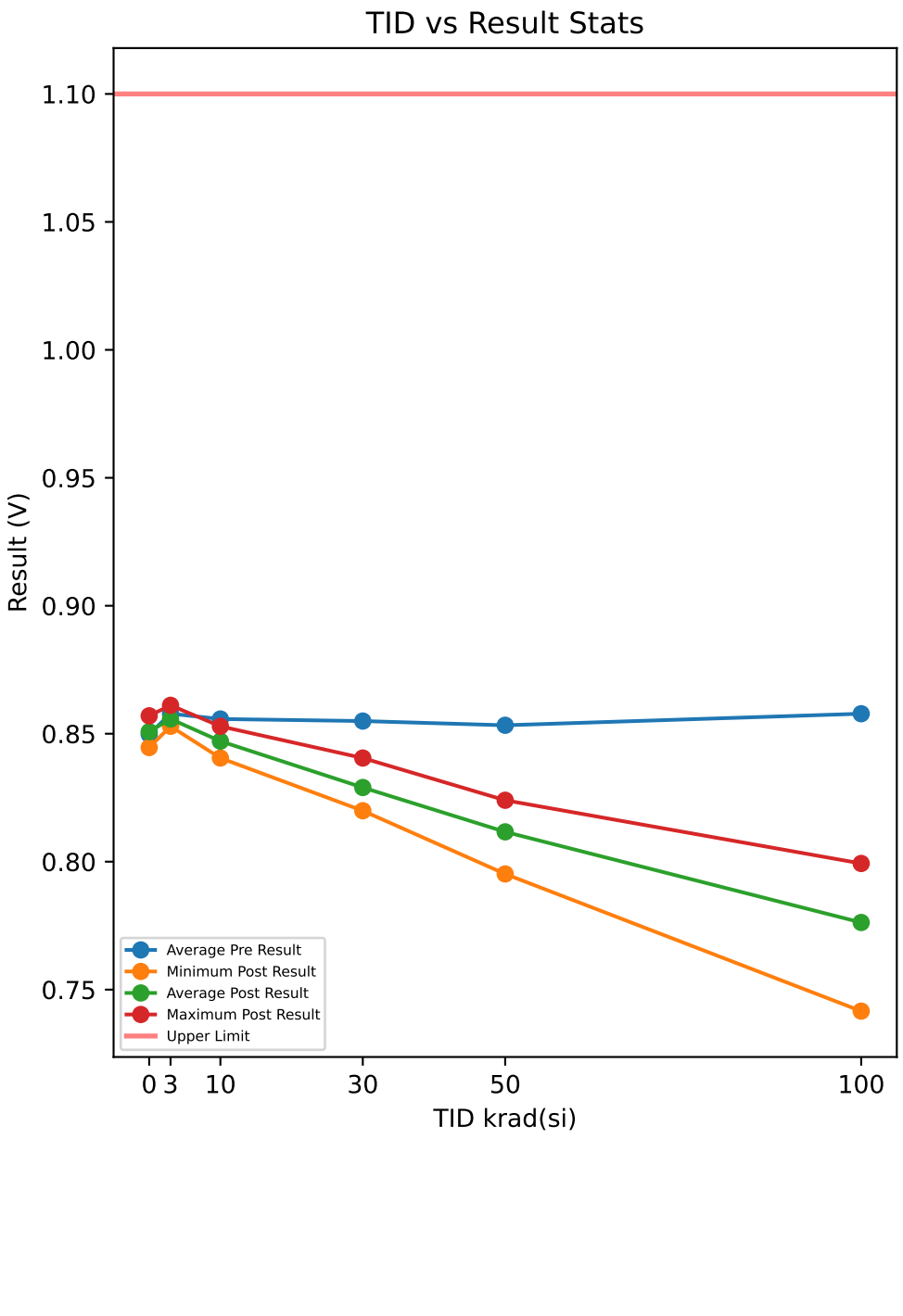
Test Results (Upper Limit = 1.1 (V))

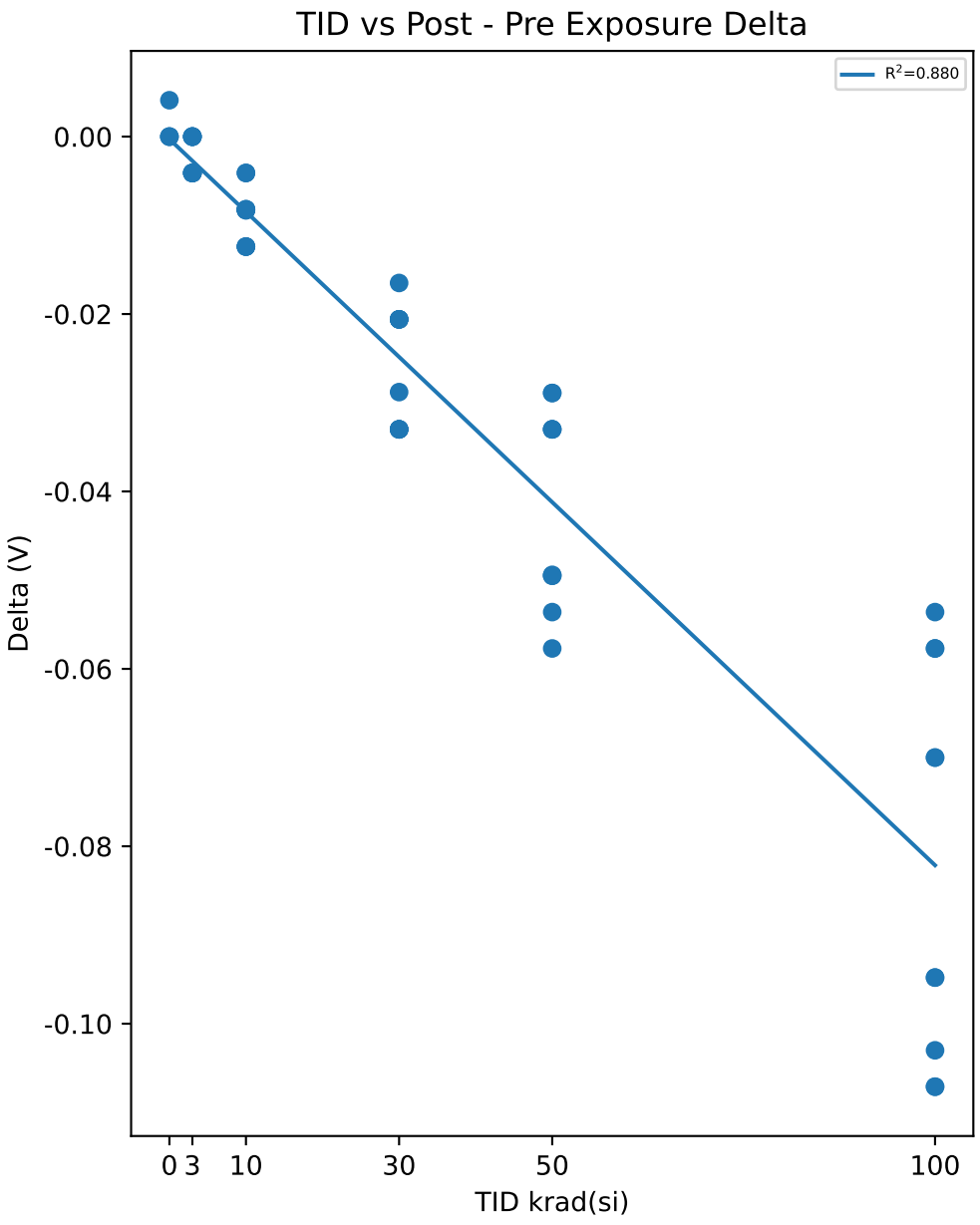
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.857	0.857	0
3	3	Biased	0.8652	0.8611	-0.0041
4	3	Biased	0.857	0.8529	-0.0041
5	3	Biased	0.857	0.857	0
6	3	Biased	0.857	0.857	0
7	3	Unbiased	0.8529	0.8529	0
8	3	Unbiased	0.857	0.8529	-0.0041
9	3	Unbiased	0.8611	0.8611	0
10	3	Unbiased	0.8529	0.8529	0
11	3	Unbiased	0.8529	0.8529	0
12	10	Unbiased	0.8487	0.8405	-0.0082
13	10	Unbiased	0.8529	0.8446	-0.0083
14	10	Unbiased	0.857	0.8487	-0.0083
15	10	Unbiased	0.8529	0.8446	-0.0083
16	10	Unbiased	0.857	0.8446	-0.0124
17	10	Biased	0.8611	0.8529	-0.0082
18	10	Biased	0.8652	0.857	-0.0082
19	10	Biased	0.8487	0.8405	-0.0082
20	10	Biased	0.8611	0.8529	-0.0082
21	10	Biased	0.8529	0.8405	-0.0124
22	30	Biased	0.857	0.824	-0.033
23	30	Biased	0.8529	0.8199	-0.033
24	30	Biased	0.857	0.8281	-0.0289
25	30	Biased	0.8529	0.8199	-0.033
26	30	Biased	0.8487	0.8199	-0.0288
27	30	Unbiased	0.8529	0.8199	-0.033
28	30	Unbiased	0.8529	0.8199	-0.033
29	30	Unbiased	0.8487	0.8158	-0.0329
30	30	Unbiased	0.8529	0.8199	-0.033
31	30	Unbiased	0.857	0.8281	-0.0289
32	50	Biased	0.8487	0.8034	-0.0453
33	50	Biased	0.8529	0.8034	-0.0495
34	50	Biased	0.8529	0.7993	-0.0536
35	50	Biased	0.857	0.8034	-0.0536
36	50	Biased	0.857	0.8117	-0.0453
37	50	Unbiased	0.8529	0.8034	-0.0495
39	50	Unbiased	0.8529	0.8034	-0.0495
40	50	Unbiased	0.8487	0.8034	-0.0453
41	50	Unbiased	0.8529	0.7993	-0.0536
42	50	Unbiased	0.8529	0.7993	-0.0536
43	100	Biased	0.8652	0.7705	-0.0947
44	100	Biased	0.8611	0.7622	-0.0989
45	100	Biased	0.857	0.7581	-0.0989
46	100	Biased	0.857	0.7663	-0.0907
47	100	Biased	0.857	0.7705	-0.0865
48	100	Unbiased	0.8487	0.7499	-0.0988
49	100	Unbiased	0.8529	0.754	-0.0989
50	100	Unbiased	0.8611	0.7663	-0.0948
51	100	Unbiased	0.8652	0.7663	-0.0989
52	100	Unbiased	0.857	0.7622	-0.0948
53	0	Correlation	0.8446	0.8446	0
54	0	Correlation	0.8487	0.8529	0.0042
55	0	Correlation	0.8487	0.8529	0.0042
56	0	Correlation	0.857	0.8611	0.0041

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	0.8446	0.84975	0.857	0.0052054	0.8446	0.85288	0.8611	0.0067362	0	0.003125	0.0042	0.0020839
3	0.8529	0.857	0.8652	0.0038655	0.8529	0.85577	0.8611	0.0033754	-0.0041	-0.00123	0	0.0019805
10	0.8487	0.85575	0.8652	0.0055121	0.8405	0.84668	0.857	0.0059209	-0.0124	-0.00907	-0.0082	0.0017557
30	0.8487	0.85329	0.857	0.0030585	0.8158	0.82154	0.8281	0.003961	-0.033	-0.03175	-0.0288	0.0019901
50	0.8487	0.85288	0.857	0.0027668	0.7993	0.803	0.8117	0.0036166	-0.0536	-0.04988	-0.0453	0.0036319
100	0.8487	0.85822	0.8652	0.0051523	0.7499	0.76263	0.7705	0.0068451	-0.0989	-0.09559	-0.0865	0.0042519

Device Test: 6.152; VPULLUP_VALID





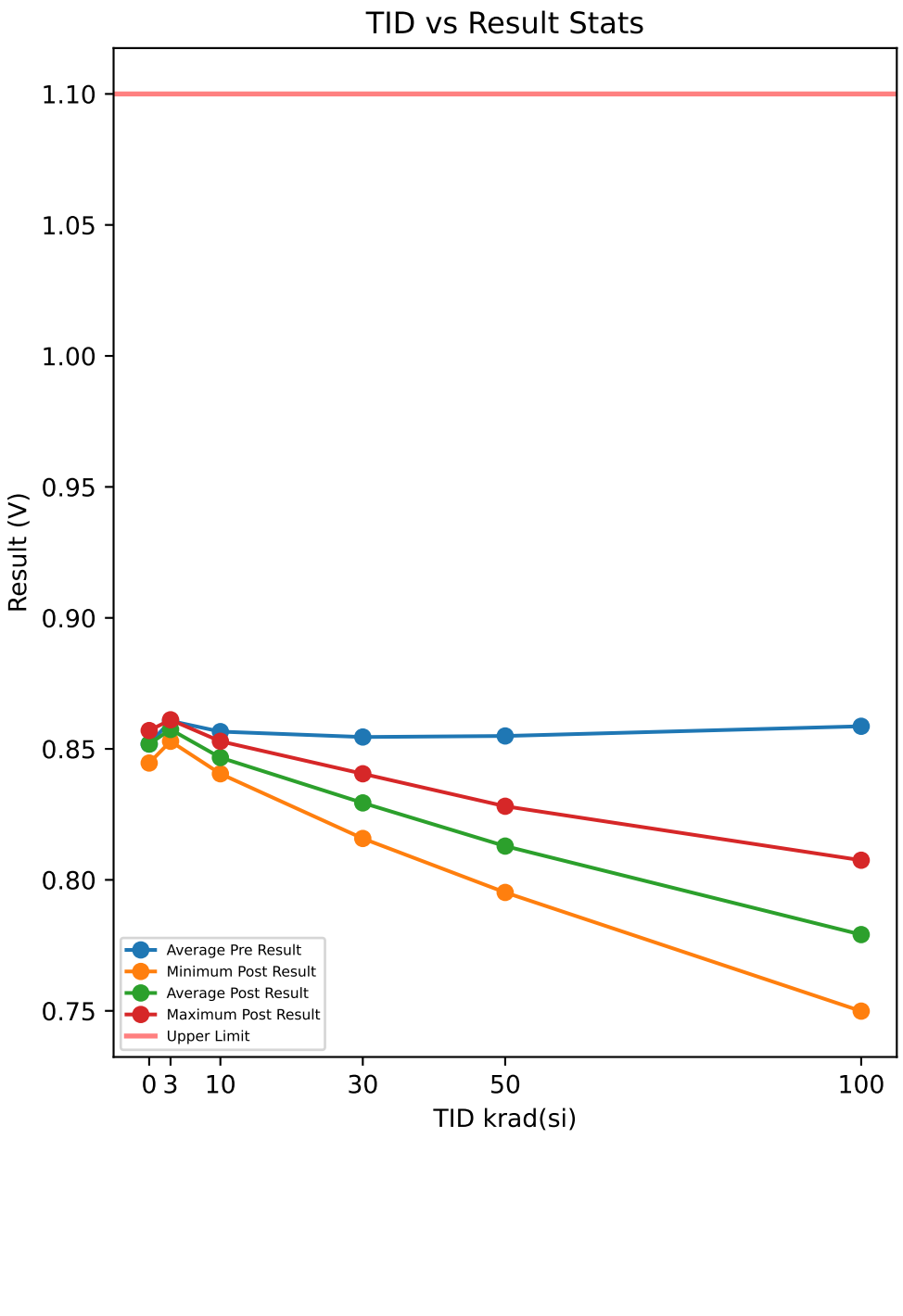
Test Results (Upper Limit = 1.1 (V))

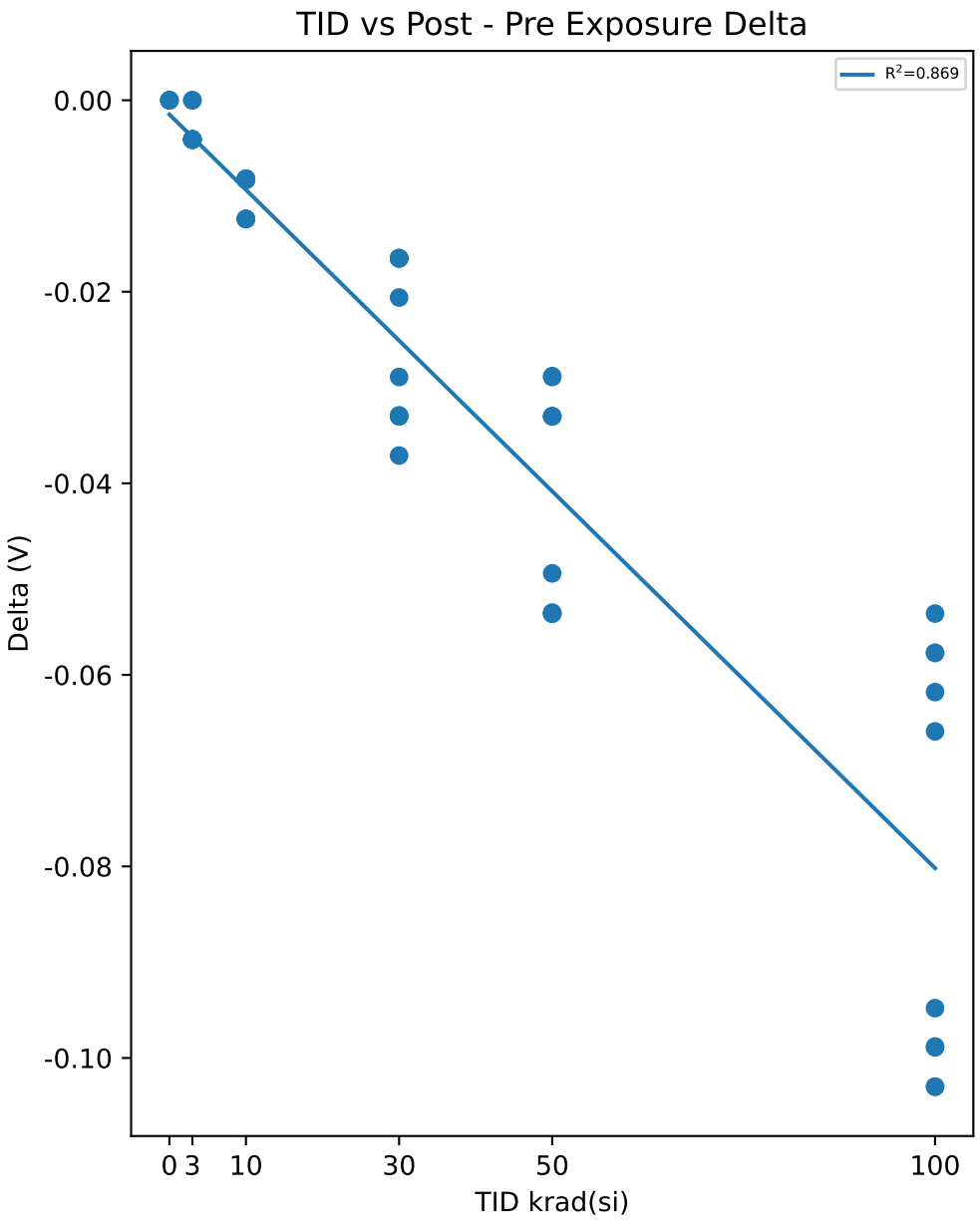
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.857	0.857	0
3	3	Biased	0.8611	0.8611	0
4	3	Biased	0.8529	0.8529	0
5	3	Biased	0.8611	0.857	-0.0041
6	3	Biased	0.857	0.857	0
7	3	Unbiased	0.8529	0.8529	0
8	3	Unbiased	0.857	0.8529	-0.0041
9	3	Unbiased	0.8652	0.8611	-0.0041
10	3	Unbiased	0.857	0.8529	-0.0041
11	3	Unbiased	0.857	0.8529	-0.0041
12	10	Unbiased	0.8529	0.8405	-0.0124
13	10	Unbiased	0.857	0.8446	-0.0124
14	10	Unbiased	0.857	0.8446	-0.0124
15	10	Unbiased	0.857	0.8487	-0.0083
16	10	Unbiased	0.8529	0.8446	-0.0083
17	10	Biased	0.8611	0.8529	-0.0082
18	10	Biased	0.8611	0.8529	-0.0082
19	10	Biased	0.8487	0.8446	-0.0041
20	10	Biased	0.8611	0.8529	-0.0082
21	10	Biased	0.8487	0.8446	-0.0041
22	30	Biased	0.857	0.8364	-0.0206
23	30	Biased	0.8529	0.8323	-0.0206
24	30	Biased	0.8611	0.8405	-0.0206
25	30	Biased	0.8529	0.8364	-0.0165
26	30	Biased	0.8529	0.8323	-0.0206
27	30	Unbiased	0.8529	0.8199	-0.033
28	30	Unbiased	0.8529	0.8199	-0.033
29	30	Unbiased	0.8529	0.8199	-0.033
30	30	Unbiased	0.8529	0.8199	-0.033
31	30	Unbiased	0.8611	0.8323	-0.0288
32	50	Biased	0.8529	0.824	-0.0289
33	50	Biased	0.8529	0.824	-0.0289
34	50	Biased	0.8529	0.8199	-0.033
35	50	Biased	0.857	0.824	-0.033
36	50	Biased	0.857	0.824	-0.033
37	50	Unbiased	0.8529	0.8034	-0.0495
39	50	Unbiased	0.8487	0.7993	-0.0494
40	50	Unbiased	0.8529	0.8034	-0.0495
41	50	Unbiased	0.8529	0.7952	-0.0577
42	50	Unbiased	0.8529	0.7993	-0.0536
43	100	Biased	0.857	0.7993	-0.0577
44	100	Biased	0.8652	0.7952	-0.07
45	100	Biased	0.8611	0.7911	-0.07
46	100	Biased	0.857	0.7993	-0.0577
47	100	Biased	0.8529	0.7993	-0.0536
48	100	Unbiased	0.8487	0.7416	-0.1071
49	100	Unbiased	0.857	0.754	-0.103
50	100	Unbiased	0.8611	0.7663	-0.0948
51	100	Unbiased	0.8611	0.754	-0.1071
52	100	Unbiased	0.857	0.7622	-0.0948
53	0	Correlation	0.8405	0.8446	0.0041
54	0	Correlation	0.8487	0.8487	0
55	0	Correlation	0.8529	0.8529	0
56	0	Correlation	0.857	0.857	0

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	0.8405	0.84977	0.857	0.0070509	0.8446	0.8508	0.857	0.0053448	0	0.001025	0.0041	0.00205
3	0.8529	0.85782	0.8652	0.0037676	0.8529	0.85577	0.8611	0.0033754	-0.0041	-0.00205	0	0.0021609
10	0.8487	0.85575	0.8611	0.0047866	0.8405	0.84709	0.8529	0.0044508	-0.0124	-0.00866	-0.0041	0.0030631
30	0.8529	0.85495	0.8611	0.0034843	0.8199	0.82898	0.8405	0.0082035	-0.033	-0.02597	-0.0165	0.0067554
50	0.8487	0.8533	0.857	0.002349	0.7952	0.81165	0.824	0.012427	-0.0577	-0.04165	-0.0289	0.011222
100	0.8487	0.85781	0.8652	0.0046763	0.7416	0.77623	0.7993	0.022756	-0.1071	-0.08158	-0.0536	0.021864

Device Test: 6.153; VPULLUP_VALID





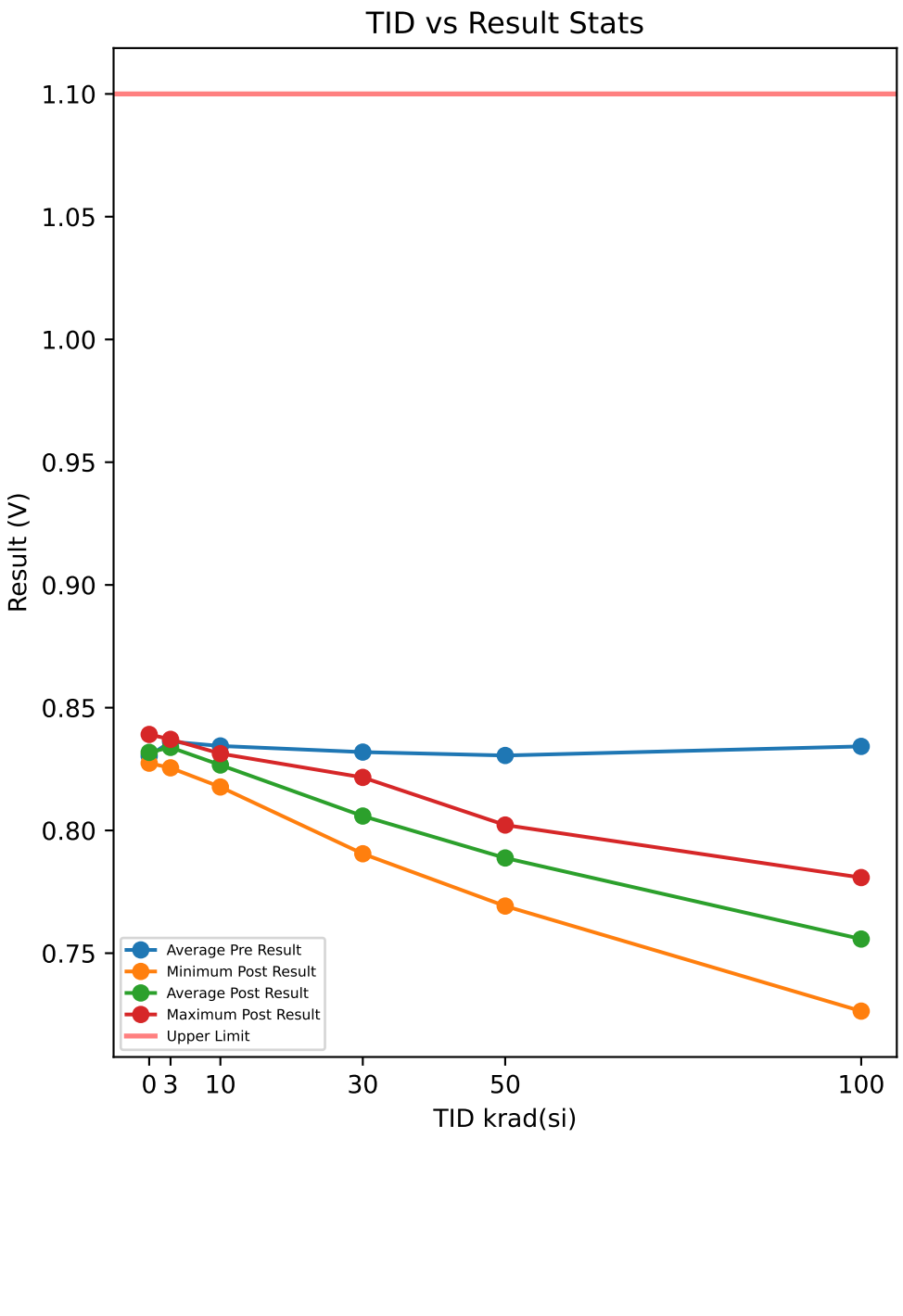
Test Results (Upper Limit = 1.1 (V))

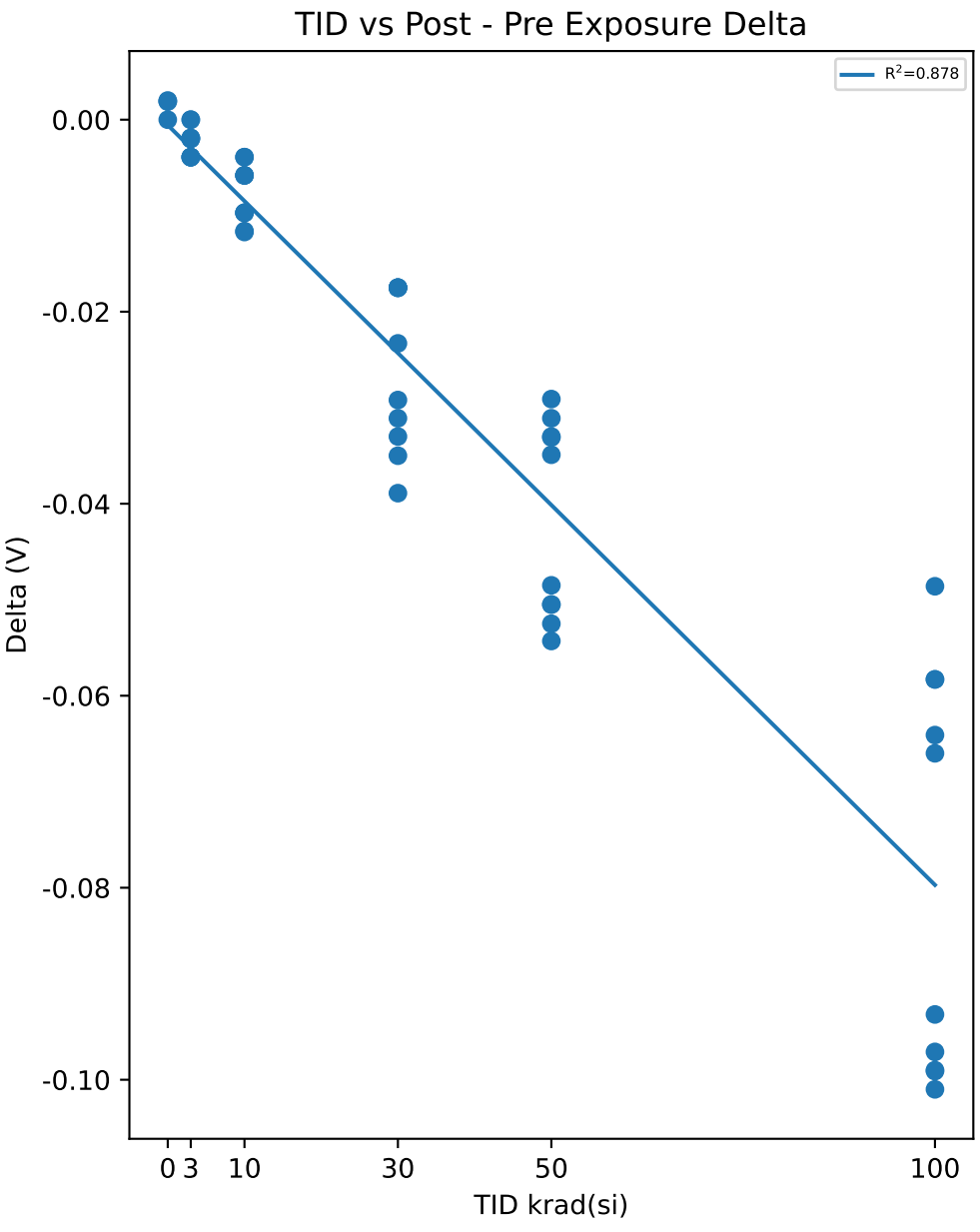
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.8611	0.857	-0.0041
3	3	Biased	0.8611	0.8611	0
4	3	Biased	0.857	0.857	0
5	3	Biased	0.8611	0.857	-0.0041
6	3	Biased	0.8611	0.857	-0.0041
7	3	Unbiased	0.857	0.8529	-0.0041
8	3	Unbiased	0.8611	0.857	-0.0041
9	3	Unbiased	0.8652	0.8611	-0.0041
10	3	Unbiased	0.8652	0.8611	-0.0041
11	3	Unbiased	0.857	0.8529	-0.0041
12	10	Unbiased	0.8529	0.8405	-0.0124
13	10	Unbiased	0.857	0.8487	-0.0083
14	10	Unbiased	0.857	0.8446	-0.0124
15	10	Unbiased	0.857	0.8446	-0.0124
16	10	Unbiased	0.8529	0.8405	-0.0124
17	10	Biased	0.8611	0.8529	-0.0082
18	10	Biased	0.8611	0.8529	-0.0082
19	10	Biased	0.8529	0.8446	-0.0083
20	10	Biased	0.8611	0.8529	-0.0082
21	10	Biased	0.8529	0.8446	-0.0083
22	30	Biased	0.857	0.8364	-0.0206
23	30	Biased	0.8529	0.8364	-0.0165
24	30	Biased	0.857	0.8405	-0.0165
25	30	Biased	0.857	0.8405	-0.0165
26	30	Biased	0.8529	0.8364	-0.0165
27	30	Unbiased	0.8529	0.8199	-0.033
28	30	Unbiased	0.8529	0.8199	-0.033
29	30	Unbiased	0.8487	0.8158	-0.0329
30	30	Unbiased	0.857	0.8199	-0.0371
31	30	Unbiased	0.857	0.8281	-0.0289
32	50	Biased	0.8487	0.8199	-0.0288
33	50	Biased	0.8529	0.824	-0.0289
34	50	Biased	0.8529	0.8199	-0.033
35	50	Biased	0.857	0.824	-0.033
36	50	Biased	0.8611	0.8281	-0.033
37	50	Unbiased	0.8529	0.7993	-0.0536
39	50	Unbiased	0.8487	0.7952	-0.0535
40	50	Unbiased	0.8652	0.8158	-0.0494
41	50	Unbiased	0.857	0.8034	-0.0536
42	50	Unbiased	0.8529	0.7993	-0.0536
43	100	Biased	0.857	0.7993	-0.0577
44	100	Biased	0.8611	0.7993	-0.0618
45	100	Biased	0.857	0.7911	-0.0659
46	100	Biased	0.8652	0.8075	-0.0577
47	100	Biased	0.857	0.8034	-0.0536
48	100	Unbiased	0.8487	0.7499	-0.0988
49	100	Unbiased	0.857	0.754	-0.103
50	100	Unbiased	0.8611	0.7663	-0.0948
51	100	Unbiased	0.8652	0.7622	-0.103
52	100	Unbiased	0.857	0.7581	-0.0989
53	0	Correlation	0.8446	0.8446	0
54	0	Correlation	0.8529	0.8529	0
55	0	Correlation	0.8529	0.8529	0
56	0	Correlation	0.857	0.857	0

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	0.8446	0.85185	0.857	0.0052054	0.8446	0.85185	0.857	0.0052054	0	0	0	0
3	0.857	0.86069	0.8652	0.0030252	0.8529	0.85741	0.8611	0.0030252	-0.0041	-0.00328	0	0.0017287
10	0.8529	0.85659	0.8611	0.0035899	0.8405	0.84668	0.8529	0.0048744	-0.0124	-0.00991	-0.0082	0.0021434
30	0.8487	0.85453	0.857	0.0028891	0.8158	0.82938	0.8405	0.0097229	-0.0371	-0.02515	-0.0165	0.0085646
50	0.8487	0.85493	0.8652	0.0052305	0.7952	0.81289	0.8281	0.012281	-0.0536	-0.04204	-0.0288	0.011448
100	0.8487	0.85863	0.8652	0.0048353	0.7499	0.77911	0.8075	0.022926	-0.103	-0.07952	-0.0536	0.02162

Device Test: 6.154; VPULLUP_VALID





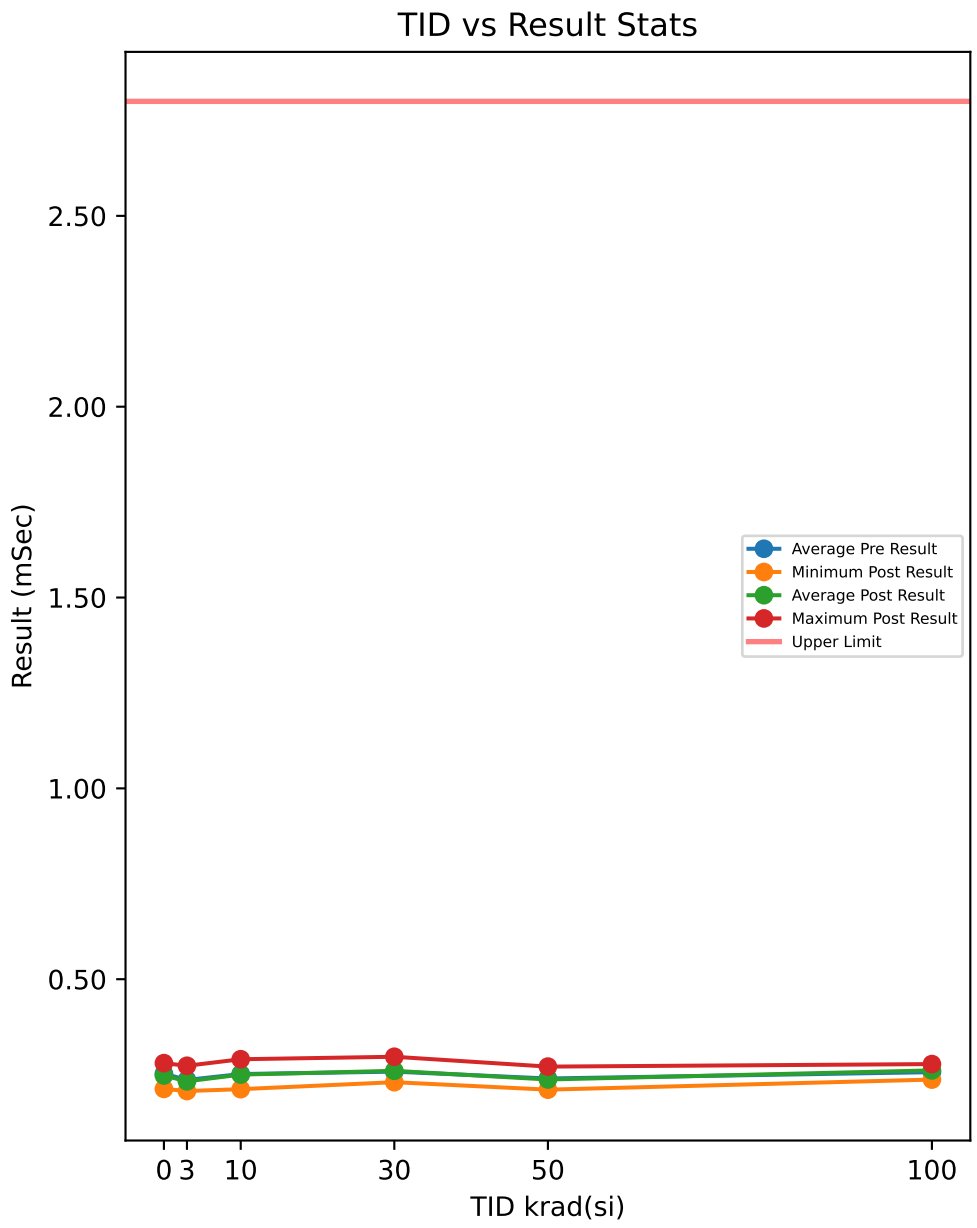
Test Results (Upper Limit = 1.1 (V))

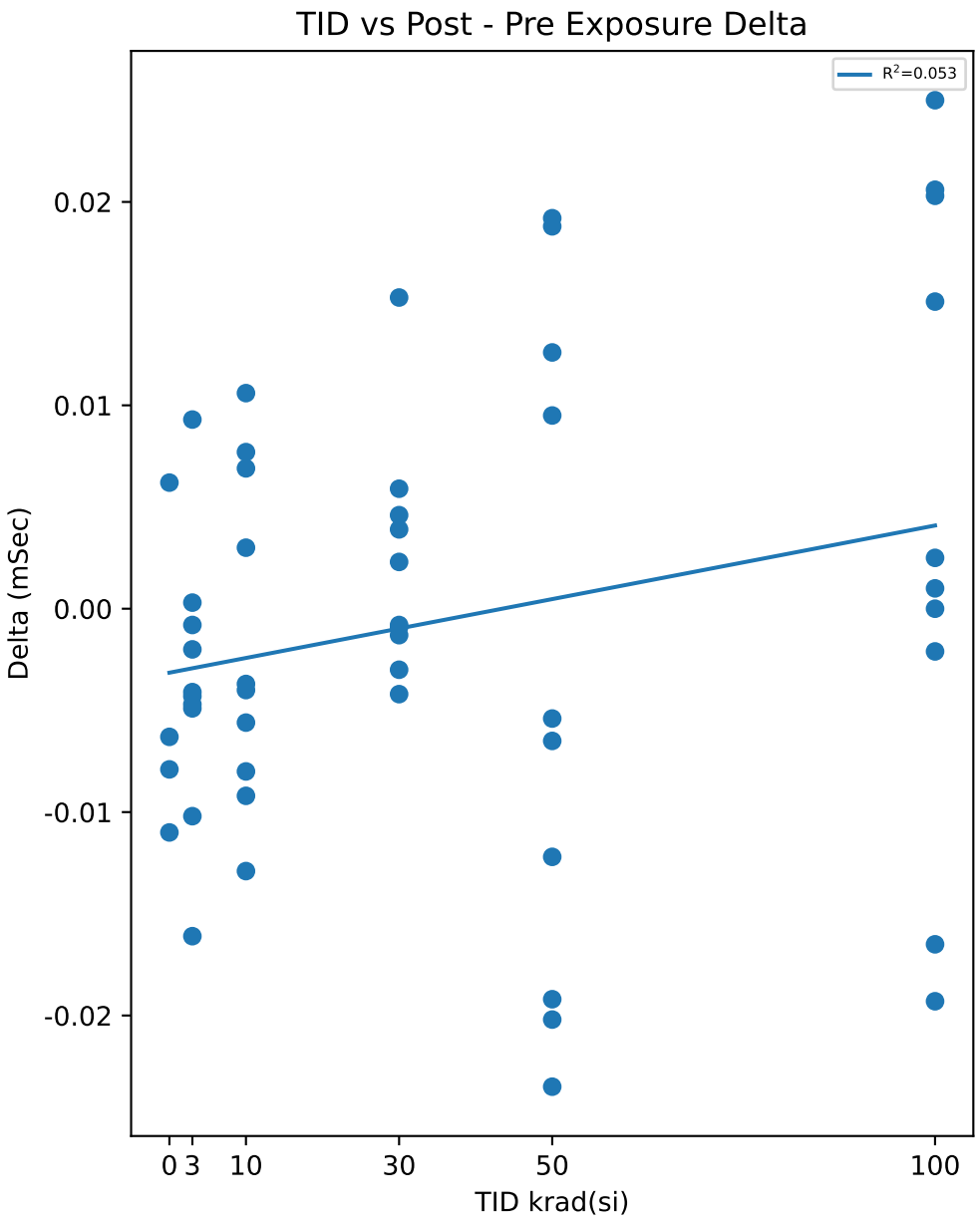
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.8371	0.8352	-0.0019
3	3	Biased	0.8391	0.8371	-0.002
4	3	Biased	0.8333	0.8333	0
5	3	Biased	0.8371	0.8371	0
6	3	Biased	0.8391	0.8371	-0.002
7	3	Unbiased	0.841	0.8371	-0.0039
8	3	Unbiased	0.8294	0.8255	-0.0039
9	3	Unbiased	0.8391	0.8352	-0.0039
10	3	Unbiased	0.8371	0.8352	-0.0019
11	3	Unbiased	0.8294	0.8255	-0.0039
12	10	Unbiased	0.8294	0.8177	-0.0117
13	10	Unbiased	0.8371	0.8274	-0.0097
14	10	Unbiased	0.8313	0.8197	-0.0116
15	10	Unbiased	0.8371	0.8274	-0.0097
16	10	Unbiased	0.8352	0.8255	-0.0097
17	10	Biased	0.8371	0.8313	-0.0058
18	10	Biased	0.8352	0.8313	-0.0039
19	10	Biased	0.8333	0.8294	-0.0039
20	10	Biased	0.8371	0.8313	-0.0058
21	10	Biased	0.8313	0.8255	-0.0058
22	30	Biased	0.8197	0.7964	-0.0233
23	30	Biased	0.8313	0.8138	-0.0175
24	30	Biased	0.8352	0.8177	-0.0175
25	30	Biased	0.8391	0.8216	-0.0175
26	30	Biased	0.8274	0.8099	-0.0175
27	30	Unbiased	0.8333	0.8022	-0.0311
28	30	Unbiased	0.8294	0.7905	-0.0389
29	30	Unbiased	0.8294	0.7964	-0.033
30	30	Unbiased	0.8352	0.8002	-0.035
31	30	Unbiased	0.8391	0.8099	-0.0292
32	50	Biased	0.8235	0.7886	-0.0349
33	50	Biased	0.8313	0.8022	-0.0291
34	50	Biased	0.8333	0.8002	-0.0331
35	50	Biased	0.8313	0.7983	-0.033
36	50	Biased	0.8333	0.8022	-0.0311
37	50	Unbiased	0.8352	0.7847	-0.0505
39	50	Unbiased	0.8235	0.773	-0.0505
40	50	Unbiased	0.8371	0.7886	-0.0485
41	50	Unbiased	0.8235	0.7692	-0.0543
42	50	Unbiased	0.8333	0.7808	-0.0525
43	100	Biased	0.8391	0.7808	-0.0583
44	100	Biased	0.8313	0.7653	-0.066
45	100	Biased	0.8333	0.7692	-0.0641
46	100	Biased	0.8352	0.7769	-0.0583
47	100	Biased	0.8255	0.7769	-0.0486
48	100	Unbiased	0.8255	0.7264	-0.0991
49	100	Unbiased	0.8313	0.7323	-0.099
50	100	Unbiased	0.8449	0.7517	-0.0932
51	100	Unbiased	0.841	0.74	-0.101
52	100	Unbiased	0.8352	0.7381	-0.0971
53	0	Correlation	0.8255	0.8274	0.0019
54	0	Correlation	0.8294	0.8313	0.0019
55	0	Correlation	0.8294	0.8294	0
56	0	Correlation	0.8371	0.8391	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	0.8255	0.83035	0.8371	0.0048611	0.8274	0.8318	0.8391	0.0051205	0	0.00145	0.002	0.00096782
3	0.8294	0.83617	0.841	0.0041039	0.8255	0.83383	0.8371	0.0045639	-0.0039	-0.00234	0	0.0015385
10	0.8294	0.83441	0.8371	0.0029034	0.8177	0.82665	0.8313	0.004768	-0.0117	-0.00776	-0.0039	0.0030347
30	0.8197	0.83191	0.8391	0.005863	0.7905	0.80586	0.8216	0.010241	-0.0389	-0.02605	-0.0175	0.0083595
50	0.8235	0.83053	0.8371	0.0051364	0.7692	0.78878	0.8022	0.011991	-0.0543	-0.04175	-0.0291	0.010239
100	0.8255	0.83423	0.8449	0.006287	0.7264	0.75576	0.7808	0.020498	-0.101	-0.07847	-0.0486	0.021047

Device Test: 6.155; START_DLY





Test Results (Upper Limit = 2.8 (mSec))

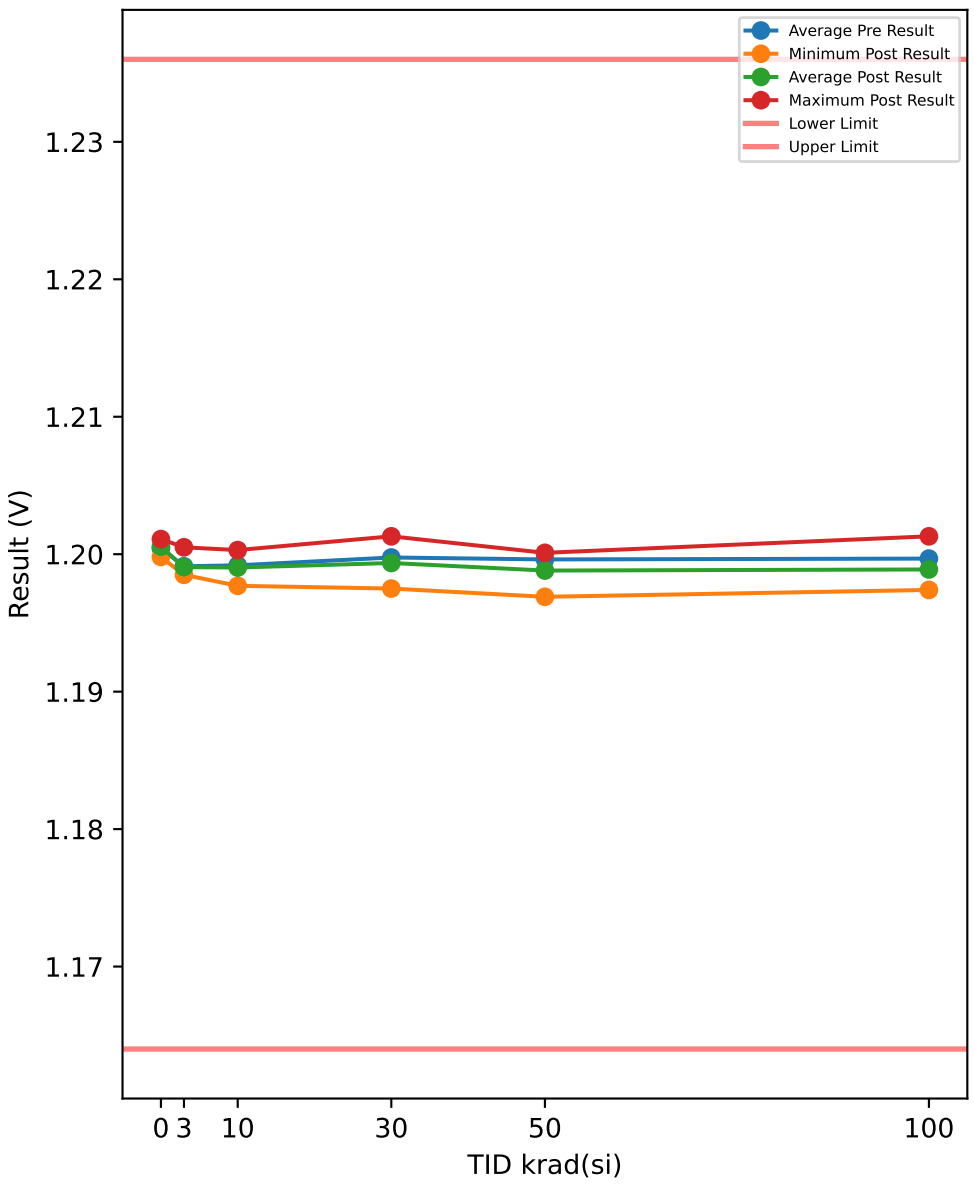
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2238	0.2195	-0.0043
3	3	Biased	0.2773	0.2732	-0.0041
4	3	Biased	0.2576	0.2669	0.0093
5	3	Biased	0.2177	0.2157	-0.002
6	3	Biased	0.2215	0.2113	-0.0102
7	3	Unbiased	0.2452	0.2403	-0.0049
8	3	Unbiased	0.2078	0.207	-0.0008
9	3	Unbiased	0.2404	0.2243	-0.0161
10	3	Unbiased	0.2496	0.2499	0.0003
11	3	Unbiased	0.22	0.2153	-0.0047
12	10	Unbiased	0.2499	0.237	-0.0129
13	10	Unbiased	0.2089	0.2119	0.003
14	10	Unbiased	0.2224	0.233	0.0106
15	10	Unbiased	0.2842	0.2802	-0.004
16	10	Unbiased	0.268	0.2588	-0.0092
17	10	Biased	0.2822	0.2742	-0.008
18	10	Biased	0.2095	0.2172	0.0077
19	10	Biased	0.2229	0.2298	0.0069
20	10	Biased	0.2737	0.2681	-0.0056
21	10	Biased	0.294	0.2903	-0.0037
22	30	Biased	0.2263	0.2302	0.0039
23	30	Biased	0.2977	0.2968	-0.0009
24	30	Biased	0.2973	0.2965	-0.0008
25	30	Biased	0.2715	0.2702	-0.0013
26	30	Biased	0.2729	0.2788	0.0059
27	30	Unbiased	0.2353	0.2376	0.0023
28	30	Unbiased	0.2958	0.2916	-0.0042
29	30	Unbiased	0.2342	0.2312	-0.003
30	30	Unbiased	0.2259	0.2305	0.0046
31	30	Unbiased	0.2209	0.2362	0.0153
32	50	Biased	0.2317	0.2195	-0.0122
33	50	Biased	0.2308	0.2106	-0.0202
34	50	Biased	0.234	0.2286	-0.0054
35	50	Biased	0.2902	0.271	-0.0192
36	50	Biased	0.244	0.2375	-0.0065
37	50	Unbiased	0.2707	0.2472	-0.0235
39	50	Unbiased	0.23	0.2492	0.0192
40	50	Unbiased	0.2233	0.2328	0.0095
41	50	Unbiased	0.2108	0.2234	0.0126
42	50	Unbiased	0.2334	0.2522	0.0188
43	100	Biased	0.2895	0.273	-0.0165
44	100	Biased	0.2468	0.2674	0.0206
45	100	Biased	0.2717	0.2742	0.0025
46	100	Biased	0.2571	0.2581	0.001
47	100	Biased	0.2565	0.2544	-0.0021
48	100	Unbiased	0.2219	0.237	0.0151
49	100	Unbiased	0.2969	0.2776	-0.0193
50	100	Unbiased	0.271	0.271	0
51	100	Unbiased	0.2285	0.2535	0.025
52	100	Unbiased	0.2242	0.2445	0.0203
53	0	Correlation	0.2205	0.2126	-0.0079
54	0	Correlation	0.2739	0.2801	0.0062
55	0	Correlation	0.227	0.2207	-0.0063
56	0	Correlation	0.2883	0.2773	-0.011

Test Statistics (mSec)

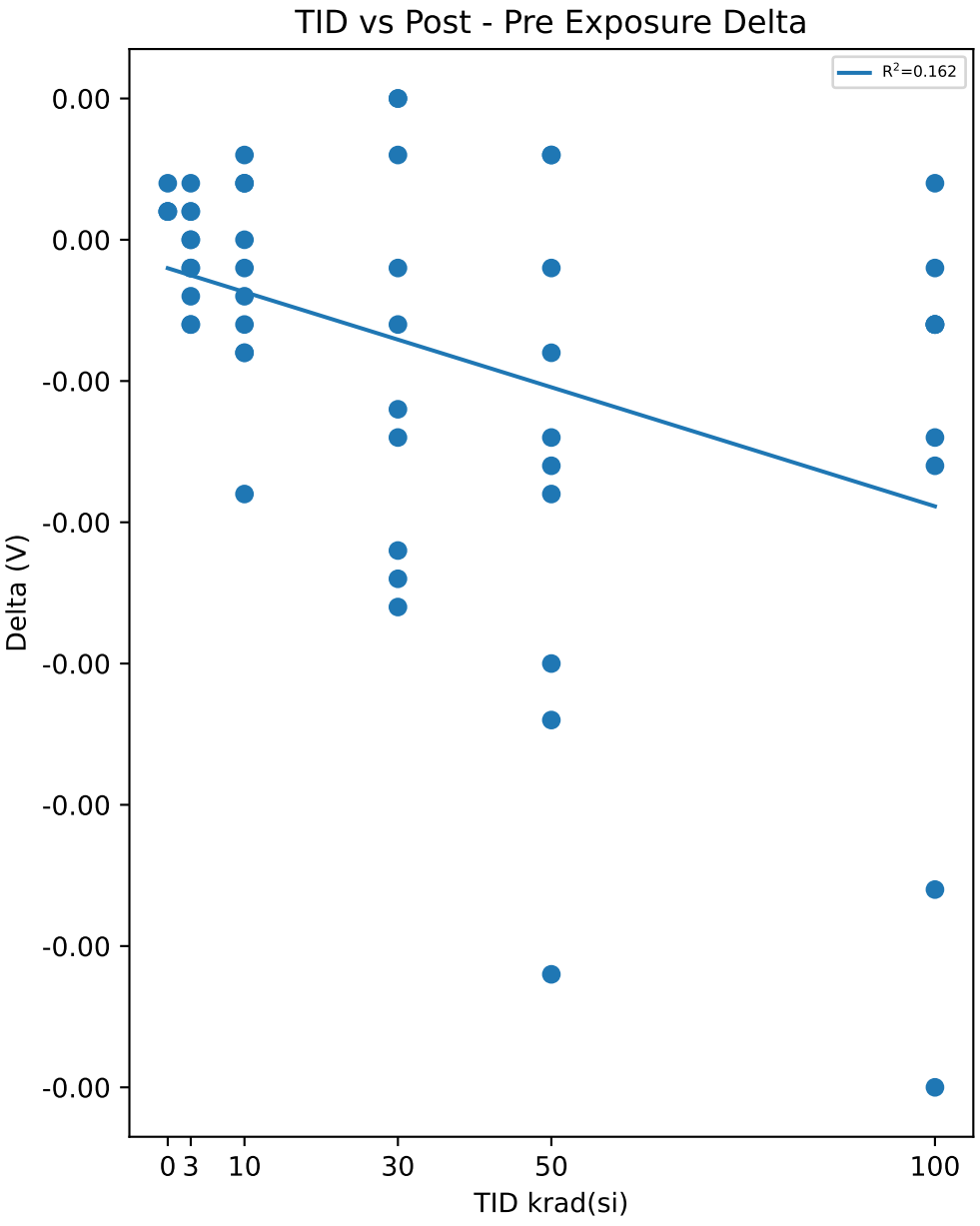
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2205	0.25243	0.2883	0.033733	0.2126	0.24768	0.2801	0.035995	-0.011	-0.00475	0.0062	0.0075562
3	0.2078	0.23609	0.2773	0.021619	0.207	0.23234	0.2732	0.023845	-0.0161	-0.00375	0.0093	0.0066269
10	0.2089	0.25157	0.294	0.033047	0.2119	0.25005	0.2903	0.027729	-0.0129	-0.00152	0.0106	0.0080364
30	0.2209	0.25778	0.2977	0.032398	0.2302	0.25996	0.2968	0.029436	-0.0042	0.00218	0.0153	0.005704
50	0.2108	0.23989	0.2902	0.023436	0.2106	0.2372	0.271	0.018	-0.0235	-0.00269	0.0192	0.016492
100	0.2219	0.25641	0.2969	0.026418	0.237	0.26107	0.2776	0.013708	-0.0193	0.00466	0.025	0.015379

Device Test: 6.156; VHYS

TID vs Result Stats



TID vs Post - Pre Exposure Delta



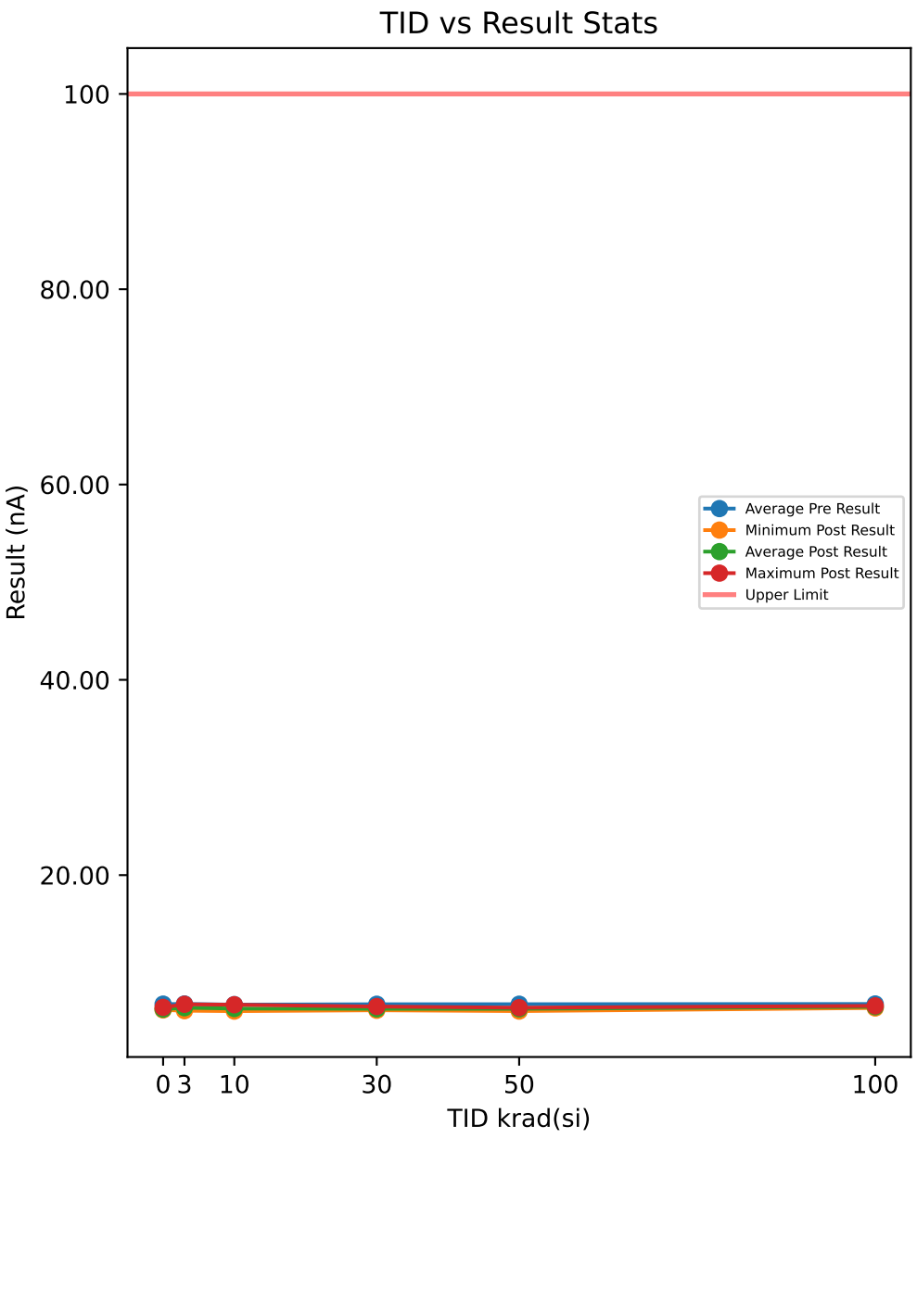
Test Results (Lower Limit = 1.164, Upper Limit = 1.236 (V))

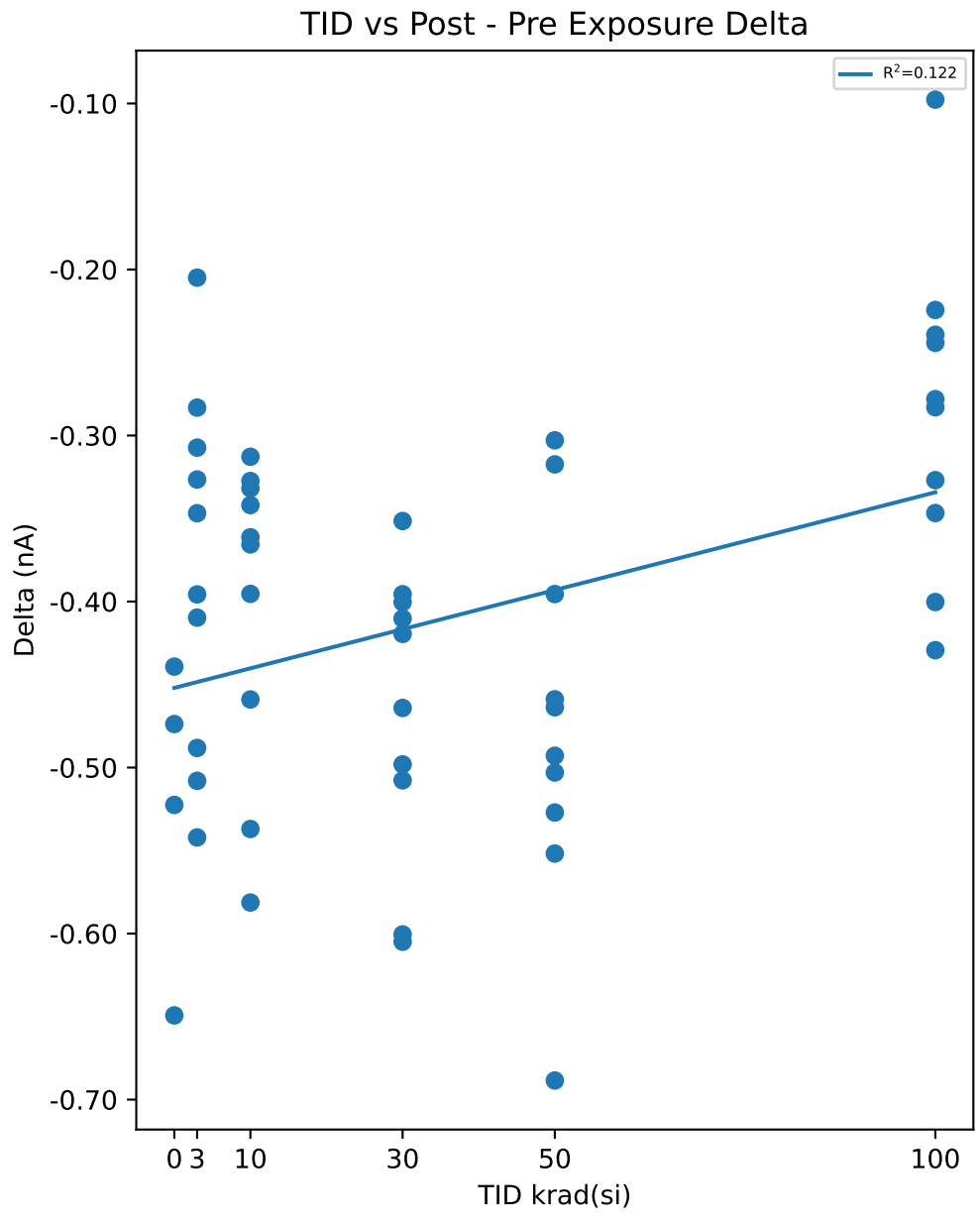
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.199	1.1987	-0.0003
3	3	Biased	1.1989	1.1989	0
4	3	Biased	1.1986	1.1985	-0.0001
5	3	Biased	1.2004	1.2005	0.0001
6	3	Biased	1.1985	1.1986	0.0001
7	3	Unbiased	1.1992	1.1994	0.0002
8	3	Unbiased	1.2002	1.2	-0.0002
9	3	Unbiased	1.1986	1.1986	0
10	3	Unbiased	1.199	1.1989	-0.0001
11	3	Unbiased	1.1988	1.1985	-0.0003
12	10	Unbiased	1.1975	1.1977	0.0002
13	10	Unbiased	1.1999	1.1998	-0.0001
14	10	Unbiased	1.1992	1.1995	0.0003
15	10	Unbiased	1.2007	1.2003	-0.0004
16	10	Unbiased	1.1987	1.1985	-0.0002
17	10	Biased	1.1988	1.1979	-0.0009
18	10	Biased	1.1988	1.1988	0
19	10	Biased	1.2001	1.2003	0.0002
20	10	Biased	1.1988	1.1984	-0.0004
21	10	Biased	1.1994	1.1991	-0.0003
22	30	Biased	1.2002	1.1991	-0.0011
23	30	Biased	1.199	1.1983	-0.0007
24	30	Biased	1.2011	1.1999	-0.0012
25	30	Biased	1.1995	1.1998	0.0003
26	30	Biased	1.1995	1.1994	-0.0001
27	30	Unbiased	1.1982	1.1976	-0.0006
28	30	Unbiased	1.2003	1.2	-0.0003
29	30	Unbiased	1.2008	1.2013	0.0005
30	30	Unbiased	1.1988	1.1975	-0.0013
31	30	Unbiased	1.2002	1.2007	0.0005
32	50	Biased	1.1991	1.1982	-0.0009
33	50	Biased	1.1996	1.1981	-0.0015
34	50	Biased	1.1997	1.1993	-0.0004
35	50	Biased	1.1986	1.1989	0.0003
36	50	Biased	1.1986	1.1969	-0.0017
37	50	Unbiased	1.2004	1.1978	-0.0026
39	50	Unbiased	1.2004	1.1996	-0.0008
40	50	Unbiased	1.1994	1.1997	0.0003
41	50	Unbiased	1.2002	1.1995	-0.0007
42	50	Unbiased	1.2002	1.2001	-0.0001
43	100	Biased	1.1992	1.1994	0.0002
44	100	Biased	1.2001	1.1993	-0.0008
45	100	Biased	1.199	1.1987	-0.0003
46	100	Biased	1.2004	1.1974	-0.003
47	100	Biased	1.1992	1.1985	-0.0007
48	100	Unbiased	1.2003	1.198	-0.0023
49	100	Unbiased	1.1999	1.1998	-0.0001
50	100	Unbiased	1.2016	1.2013	-0.0003
51	100	Unbiased	1.1989	1.1986	-0.0003
52	100	Unbiased	1.1982	1.1979	-0.0003
53	0	Correlation	1.201	1.2011	0.0001
54	0	Correlation	1.2003	1.2004	0.0001
55	0	Correlation	1.2007	1.2009	0.0002
56	0	Correlation	1.1997	1.1998	0.0001

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	1.1997	1.2004	1.201	0.00056199	1.1998	1.2006	1.2011	0.00058023	0.0001	0.000125	0.0002	5e-05
3	1.1985	1.1991	1.2004	0.00065963	1.1985	1.1991	1.2005	0.00069154	-0.0003	-6e-05	0.0002	0.00017127
10	1.1975	1.1992	1.2007	0.00089499	1.1977	1.199	1.2003	0.0009322	-0.0009	-0.00016	0.0003	0.00036271
30	1.1982	1.1998	1.2011	0.00092039	1.1975	1.1994	1.2013	0.0012563	-0.0013	-0.0004	0.0005	0.00068961
50	1.1986	1.1996	1.2004	0.00069089	1.1969	1.1988	1.2001	0.0010192	-0.0026	-0.00081	0.0003	0.00092069
100	1.1982	1.1997	1.2016	0.00097388	1.1974	1.1989	1.2013	0.001122	-0.003	-0.00079	0.0002	0.0010322

Device Test: 6.16; ILKG_SR_UVLO





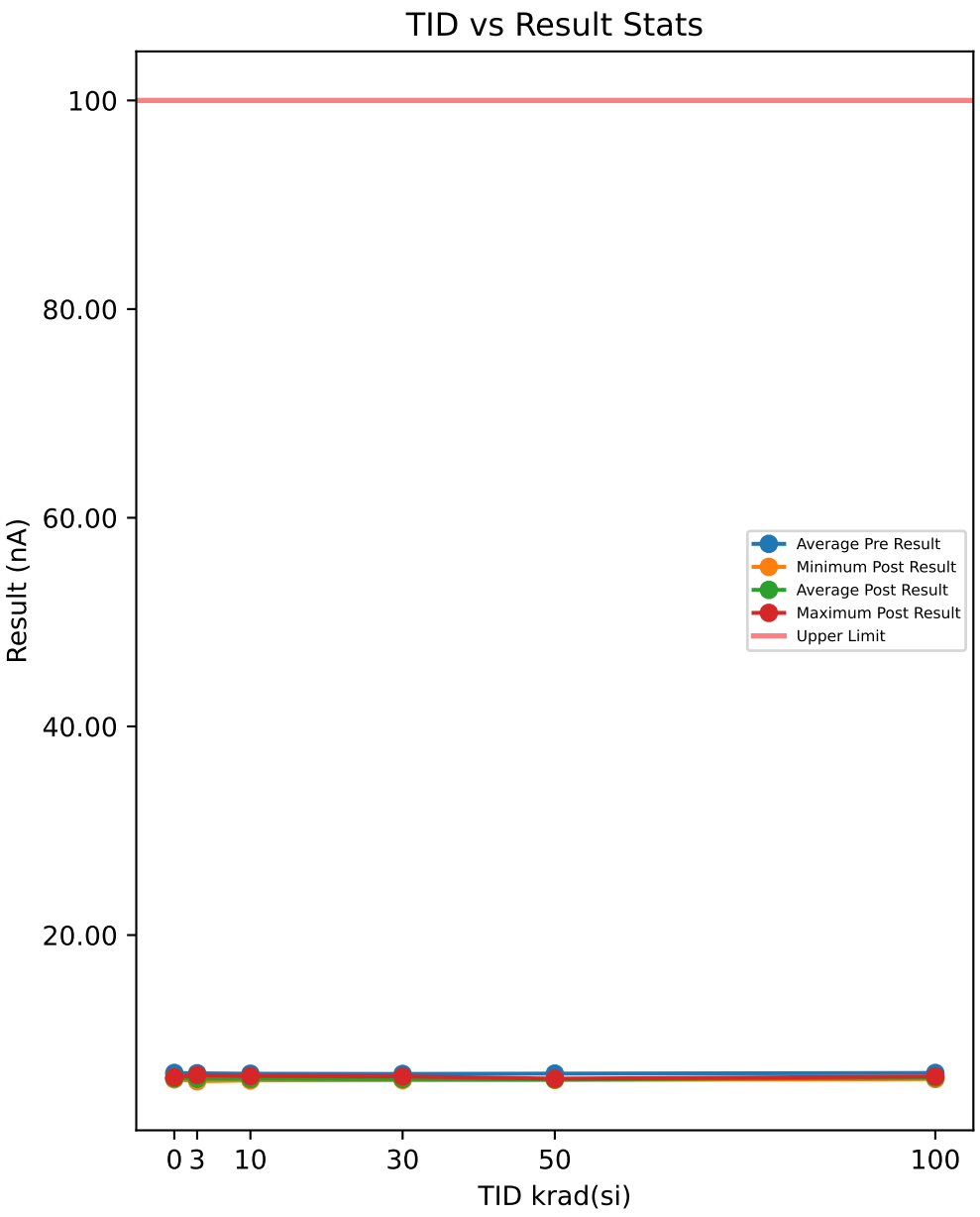
Test Results (Upper Limit = 100.0 (nA))

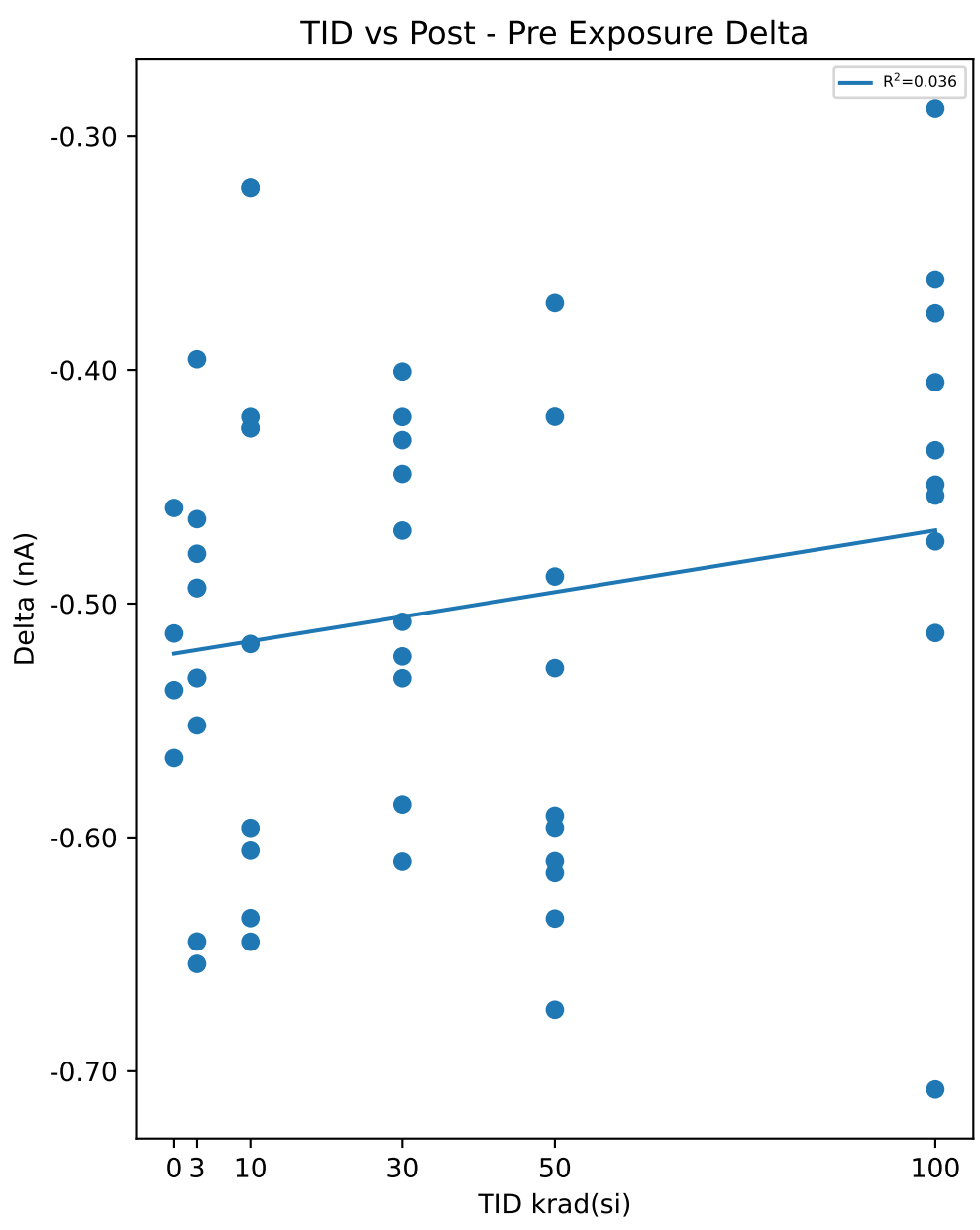
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	6.7163	6.4331	-0.2832
3	3	Biased	6.6627	6.3159	-0.3468
4	3	Biased	6.653	6.2573	-0.3957
5	3	Biased	6.6237	6.1157	-0.508
6	3	Biased	7.0966	6.7701	-0.3265
7	3	Unbiased	6.731	6.1889	-0.5421
8	3	Unbiased	6.7992	6.311	-0.4882
9	3	Unbiased	6.8138	6.6089	-0.2049
10	3	Unbiased	6.9406	6.6333	-0.3073
11	3	Unbiased	6.9942	6.5845	-0.4097
12	10	Unbiased	6.6676	6.3257	-0.3419
13	10	Unbiased	6.5262	6.2134	-0.3128
14	10	Unbiased	6.653	6.0717	-0.5813
15	10	Unbiased	6.7212	6.2622	-0.459
16	10	Unbiased	6.5554	6.228	-0.3274
17	10	Biased	6.8333	6.5015	-0.3318
18	10	Biased	7.0917	6.7261	-0.3656
19	10	Biased	6.7163	6.355	-0.3613
20	10	Biased	6.7943	6.3989	-0.3954
21	10	Biased	6.8138	6.2768	-0.537
22	30	Biased	6.6237	6.1596	-0.4641
23	30	Biased	6.7407	6.3892	-0.3515
24	30	Biased	6.9601	6.5406	-0.4195
25	30	Biased	6.8138	6.3061	-0.5077
26	30	Biased	6.7163	6.2182	-0.4981
27	30	Unbiased	6.6237	6.2134	-0.4103
28	30	Unbiased	6.6383	6.2427	-0.3956
29	30	Unbiased	7.121	6.5161	-0.6049
30	30	Unbiased	6.7748	6.1743	-0.6005
31	30	Unbiased	6.7456	6.3452	-0.4004
32	50	Biased	6.731	6.228	-0.503
33	50	Biased	6.7943	6.3354	-0.4589
34	50	Biased	6.9162	6.4233	-0.4929
35	50	Biased	6.7651	6.0766	-0.6885
36	50	Biased	6.7261	6.4087	-0.3174
37	50	Unbiased	6.6481	6.3452	-0.3029
39	50	Unbiased	6.8577	6.3306	-0.5271
40	50	Unbiased	6.77	6.3745	-0.3955
41	50	Unbiased	6.7456	6.1938	-0.5518
42	50	Unbiased	6.8431	6.3794	-0.4637
43	100	Biased	6.731	6.4917	-0.2393
44	100	Biased	6.8236	6.5992	-0.2244
45	100	Biased	6.7407	6.394	-0.3467
46	100	Biased	6.7066	6.4624	-0.2442
47	100	Biased	6.7066	6.6089	-0.0977
48	100	Unbiased	6.8382	6.5601	-0.2781
49	100	Unbiased	6.8431	6.5601	-0.283
50	100	Unbiased	6.8577	6.5308	-0.3269
51	100	Unbiased	6.8041	6.4038	-0.4003
52	100	Unbiased	6.9699	6.5406	-0.4293
53	0	Correlation	6.8431	6.1938	-0.6493
54	0	Correlation	6.7261	6.2036	-0.5225
55	0	Correlation	6.8918	6.4526	-0.4392
56	0	Correlation	6.692	6.2182	-0.4738

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	6.692	6.7882	6.8918	0.094618	6.1938	6.2671	6.4526	0.12411	-0.6493	-0.5212	-0.4392	0.091982
3	6.6237	6.8031	7.0966	0.15946	6.1157	6.4219	6.7701	0.2176	-0.5421	-0.38124	-0.2049	0.10789
10	6.5262	6.7373	7.0917	0.16133	6.0717	6.3359	6.7261	0.17935	-0.5813	-0.40135	-0.3128	0.093515
30	6.6237	6.7758	7.121	0.15827	6.1596	6.3105	6.5406	0.13601	-0.6049	-0.46526	-0.3515	0.086785
50	6.6481	6.7797	6.9162	0.076726	6.0766	6.3095	6.4233	0.10983	-0.6885	-0.47017	-0.3029	0.11364
100	6.7066	6.8022	6.9699	0.082841	6.394	6.5152	6.6089	0.075422	-0.4293	-0.28699	-0.0977	0.095567

Device Test: 6.17; ILKG_SR_UVLO





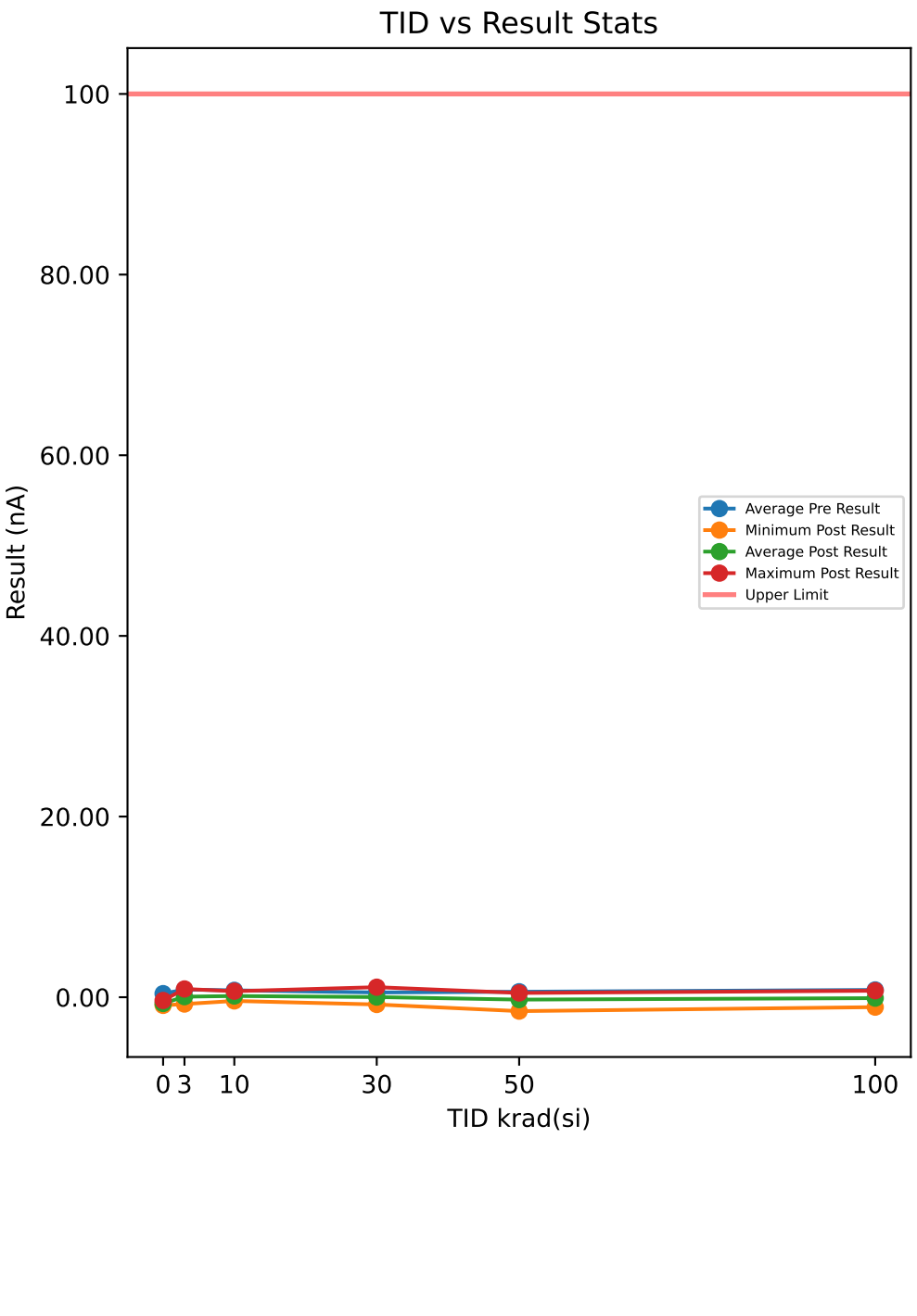
Test Results (Upper Limit = 100.0 (nA))

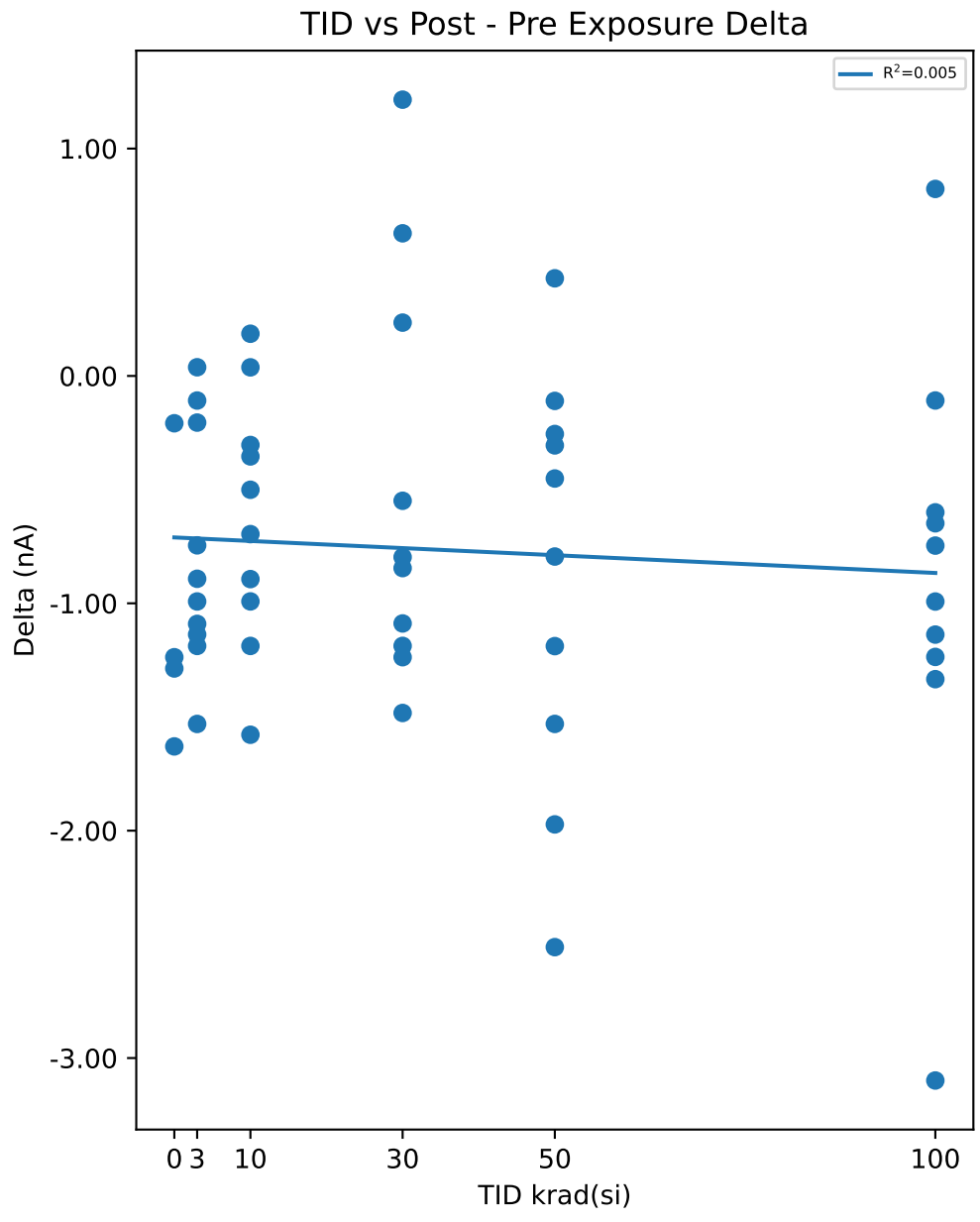
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	6.7163	6.2231	-0.4932
3	3	Biased	6.6773	6.2134	-0.4639
4	3	Biased	6.5408	5.9887	-0.5521
5	3	Biased	6.5944	6.1157	-0.4787
6	3	Biased	7.1064	6.5747	-0.5317
7	3	Unbiased	6.5554	6.062	-0.4934
8	3	Unbiased	6.7553	6.1108	-0.6445
9	3	Unbiased	6.7797	6.3843	-0.3954
10	3	Unbiased	6.9211	6.3892	-0.5319
11	3	Unbiased	6.887	6.2329	-0.6541
12	10	Unbiased	6.5798	6.1548	-0.425
13	10	Unbiased	6.6627	6.0668	-0.5959
14	10	Unbiased	6.7163	6.0717	-0.6446
15	10	Unbiased	6.5798	6.1548	-0.425
16	10	Unbiased	6.6725	6.0668	-0.6057
17	10	Biased	6.809	6.4868	-0.3222
18	10	Biased	6.9211	6.4038	-0.5173
19	10	Biased	6.5847	6.1645	-0.4202
20	10	Biased	6.8723	6.2378	-0.6345
21	10	Biased	6.6871	6.3647	-0.3224
22	30	Biased	6.6139	6.1694	-0.4445
23	30	Biased	6.7797	6.1938	-0.5859
24	30	Biased	6.6968	6.228	-0.4688
25	30	Biased	6.6871	6.1645	-0.5226
26	30	Biased	6.7358	6.228	-0.5078
27	30	Unbiased	6.5262	6.0961	-0.4301
28	30	Unbiased	6.5408	6.1401	-0.4007
29	30	Unbiased	6.9845	6.4526	-0.5319
30	30	Unbiased	6.7212	6.1108	-0.6104
31	30	Unbiased	6.6091	6.1889	-0.4202
32	50	Biased	6.5944	6.1743	-0.4201
33	50	Biased	6.653	6.1254	-0.5276
34	50	Biased	6.8382	6.228	-0.6102
35	50	Biased	6.7066	6.2182	-0.4884
36	50	Biased	6.7017	6.1059	-0.5958
37	50	Unbiased	6.7895	6.1743	-0.6152
39	50	Unbiased	6.8285	6.2378	-0.5907
40	50	Unbiased	6.7748	6.1401	-0.6347
41	50	Unbiased	6.5018	6.1303	-0.3715
42	50	Unbiased	6.8236	6.1499	-0.6737
43	100	Biased	6.8236	6.3892	-0.4344
44	100	Biased	6.9065	6.1987	-0.7078
45	100	Biased	6.731	6.3696	-0.3614
46	100	Biased	6.6042	6.3159	-0.2883
47	100	Biased	6.7358	6.3599	-0.3759
48	100	Unbiased	6.7943	6.3452	-0.4491
49	100	Unbiased	6.7846	6.272	-0.5126
50	100	Unbiased	6.6773	6.272	-0.4053
51	100	Unbiased	6.9016	6.4478	-0.4538
52	100	Unbiased	6.8772	6.4038	-0.4734
53	0	Correlation	6.6822	6.1694	-0.5128
54	0	Correlation	6.8041	6.2671	-0.537
55	0	Correlation	6.9357	6.3696	-0.5661
56	0	Correlation	6.7115	6.2524	-0.4591

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	6.6822	6.7834	6.9357	0.11407	6.1694	6.2646	6.3696	0.082144	-0.5661	-0.51875	-0.4591	0.045345
3	6.5408	6.7534	7.1064	0.17893	5.9887	6.2295	6.5747	0.17702	-0.6541	-0.52389	-0.3954	0.079194
10	6.5798	6.7085	6.9211	0.12225	6.0668	6.2172	6.4868	0.15153	-0.6446	-0.49128	-0.3222	0.12458
30	6.5262	6.6895	6.9845	0.13305	6.0961	6.1972	6.4526	0.099998	-0.6104	-0.49229	-0.4007	0.071282
50	6.5018	6.7212	6.8382	0.1119	6.1059	6.1684	6.2378	0.04627	-0.6737	-0.55279	-0.3715	0.098353
100	6.6042	6.7836	6.9065	0.098905	6.1987	6.3374	6.4478	0.073891	-0.7078	-0.4462	-0.2883	0.11182

Device Test: 6.18; ILKG_SENSE





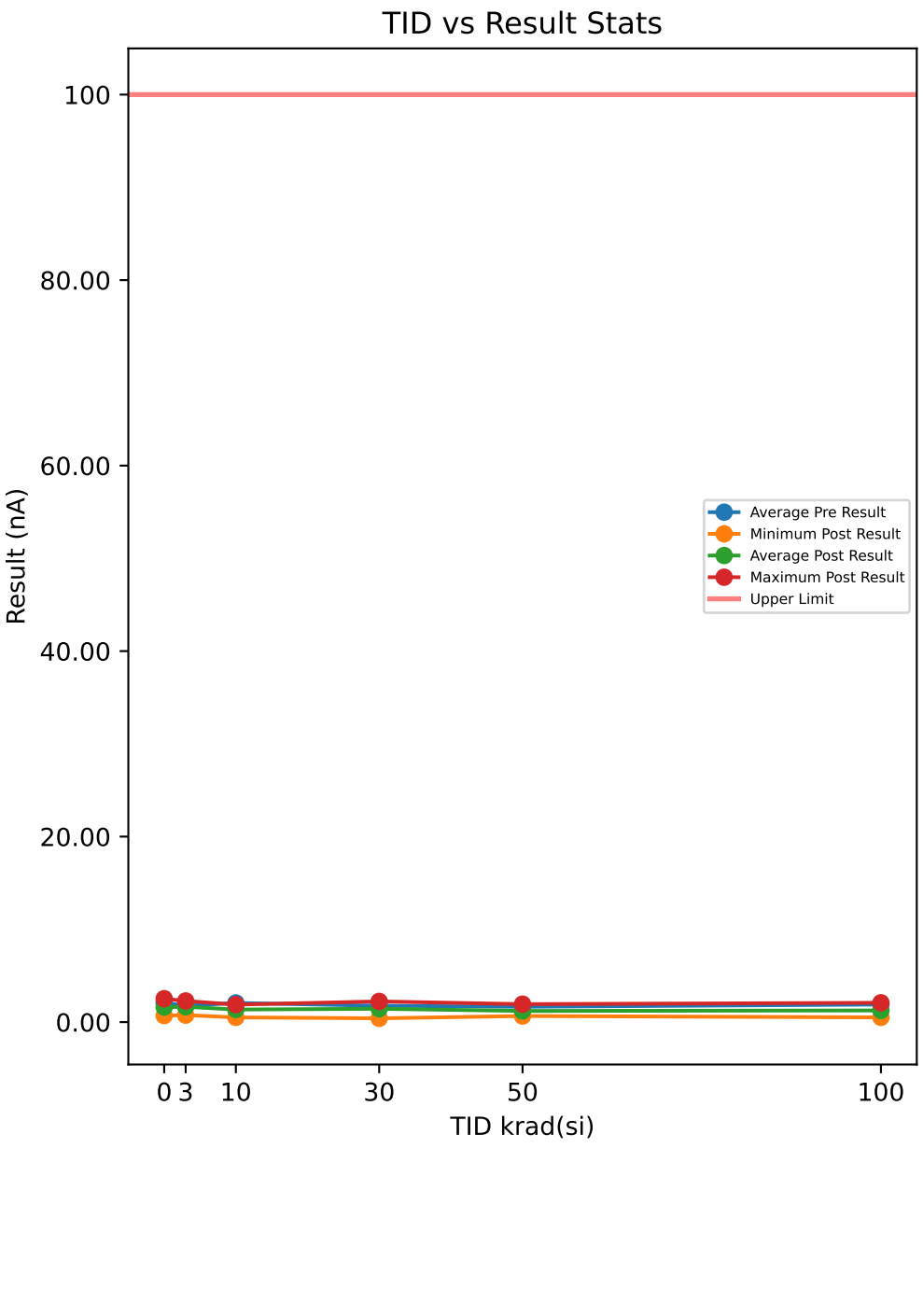
Test Results (Upper Limit = 100.0 (nA))

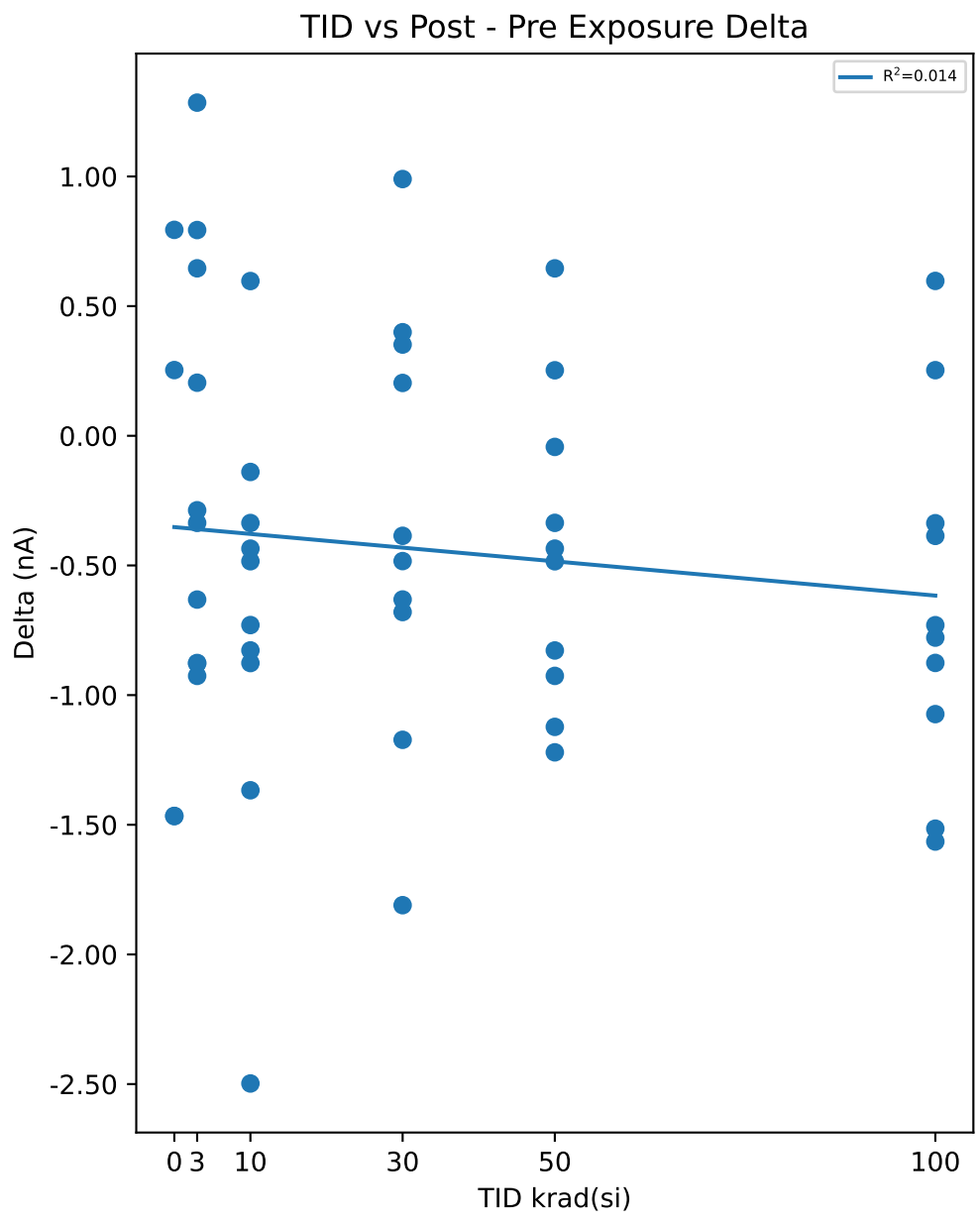
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.8254	-0.3621	-1.1875
3	3	Biased	1.1191	0.9139	-0.2052
4	3	Biased	1.1191	0.374	-0.7451
5	3	Biased	1.0212	-0.5094	-1.5306
6	3	Biased	1.2171	0.325	-0.8921
7	3	Unbiased	0.6295	0.5213	-0.1082
8	3	Unbiased	0.5316	-0.4603	-0.9919
9	3	Unbiased	1.3639	0.2268	-1.1371
10	3	Unbiased	0.2868	0.325	0.0382
11	3	Unbiased	0.3357	-0.7548	-1.0905
12	10	Unbiased	0.1399	0.1777	0.0378
13	10	Unbiased	0.4826	0.1286	-0.354
14	10	Unbiased	0.6295	-0.264	-0.8935
15	10	Unbiased	1.266	0.5703	-0.6957
16	10	Unbiased	0.3357	0.5213	0.1856
17	10	Biased	1.6577	0.0796	-1.5781
18	10	Biased	0.9722	0.6685	-0.3037
19	10	Biased	0.5805	-0.4112	-0.9917
20	10	Biased	0.7274	0.2268	-0.5006
21	10	Biased	0.8254	-0.3621	-1.1875
22	30	Biased	0.9233	-0.264	-1.1873
23	30	Biased	1.1191	0.0305	-1.0886
24	30	Biased	0.9722	0.4231	-0.5491
25	30	Biased	-0.1049	1.1102	1.2151
26	30	Biased	0.6785	-0.5585	-1.237
27	30	Unbiased	0.3357	-0.5094	-0.8451
28	30	Unbiased	0.3357	0.963	0.6273
29	30	Unbiased	0.2868	0.5213	0.2345
30	30	Unbiased	0.6785	-0.8038	-1.4823
31	30	Unbiased	0.042	-0.7548	-0.7968
32	50	Biased	0.9722	-1.54	-2.5122
33	50	Biased	-0.056	-0.1658	-0.1098
34	50	Biased	0.2378	-0.0677	-0.3055
35	50	Biased	-0.3008	0.1286	0.4294
36	50	Biased	0.9722	-1.0002	-1.9724
37	50	Unbiased	0.4826	-0.7057	-1.1883
39	50	Unbiased	1.0702	-0.4603	-1.5305
40	50	Unbiased	1.0702	0.2759	-0.7943
41	50	Unbiased	0.9233	0.4722	-0.4511
42	50	Unbiased	0.6785	0.4231	-0.2554
43	100	Biased	0.6295	-0.0186	-0.6481
44	100	Biased	1.1191	-0.1167	-1.2358
45	100	Biased	0.3847	-0.6075	-0.9922
46	100	Biased	2.0005	-1.0983	-3.0988
47	100	Biased	0.7274	0.6194	-0.108
48	100	Unbiased	1.1681	0.0305	-1.1376
49	100	Unbiased	0.1888	-0.4112	-0.6
50	100	Unbiased	-0.1049	0.7176	0.8225
51	100	Unbiased	1.315	-0.0186	-1.3336
52	100	Unbiased	0.6295	-0.1167	-0.7462
53	0	Correlation	0.4337	-0.8529	-1.2866
54	0	Correlation	0.5805	-0.6566	-1.2371
55	0	Correlation	-0.1539	-0.3621	-0.2082
56	0	Correlation	0.7274	-0.902	-1.6294

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	-0.1539	0.39692	0.7274	0.3863	-0.902	-0.6934	-0.3621	0.245	-1.6294	-1.0903	-0.2082	0.61341
3	0.2868	0.84494	1.3639	0.38079	-0.7548	0.05994	0.9139	0.5422	-1.5306	-0.785	0.0382	0.52313
10	0.1399	0.76169	1.6577	0.44759	-0.4112	0.13355	0.6685	0.38605	-1.5781	-0.62814	0.1856	0.55023
30	-0.1049	0.52669	1.1191	0.41058	-0.8038	0.01576	1.1102	0.70443	-1.4823	-0.51093	1.2151	0.89983
50	-0.3008	0.60502	1.0702	0.49626	-1.54	-0.26399	0.4722	0.65927	-2.5122	-0.86901	0.4294	0.91855
100	-0.1049	0.80577	2.0005	0.61207	-1.0983	-0.10201	0.7176	0.53415	-3.0988	-0.90778	0.8225	0.9984

Device Test: 6.19; ILKG_SENSE





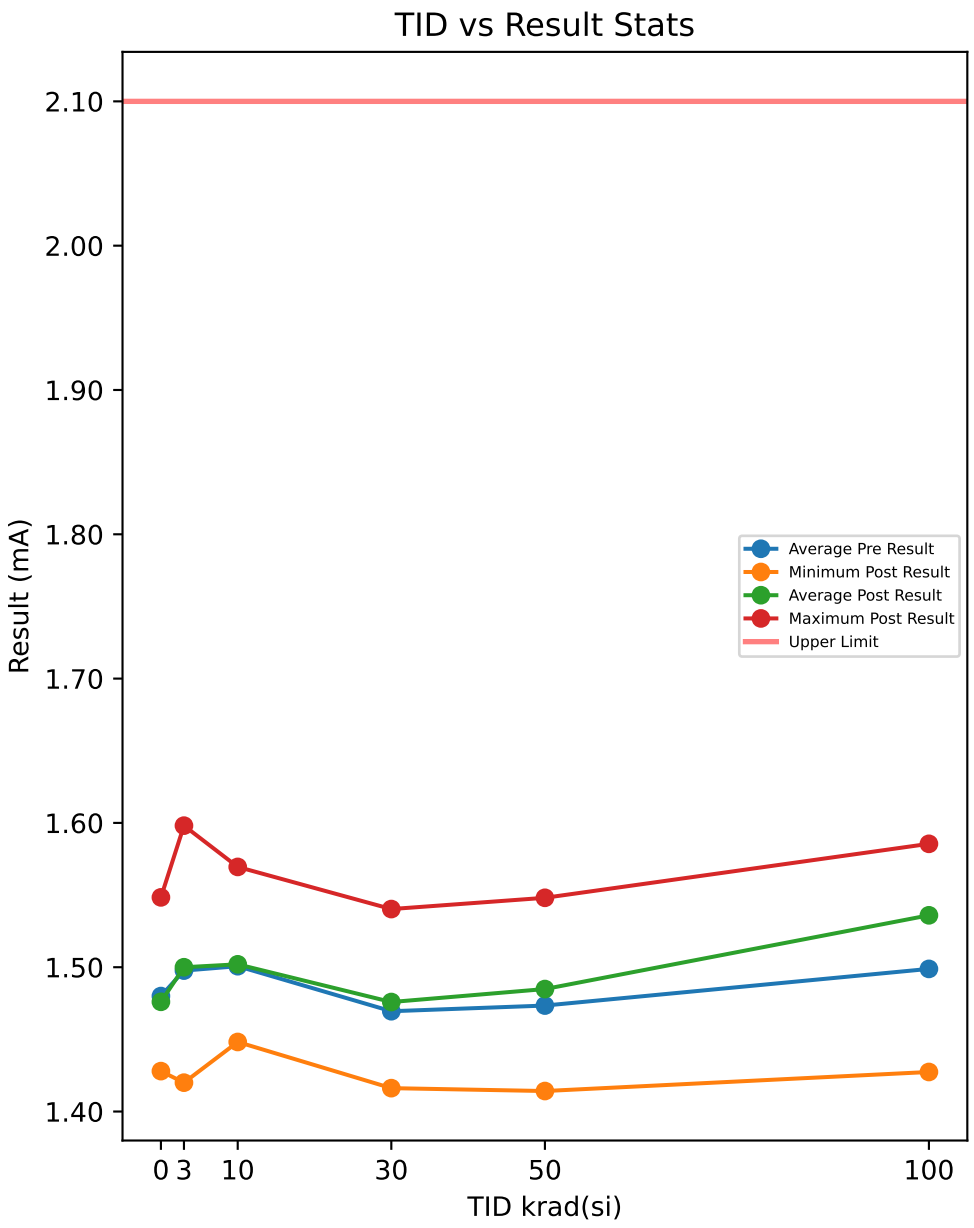
Test Results (Upper Limit = 100.0 (nA))

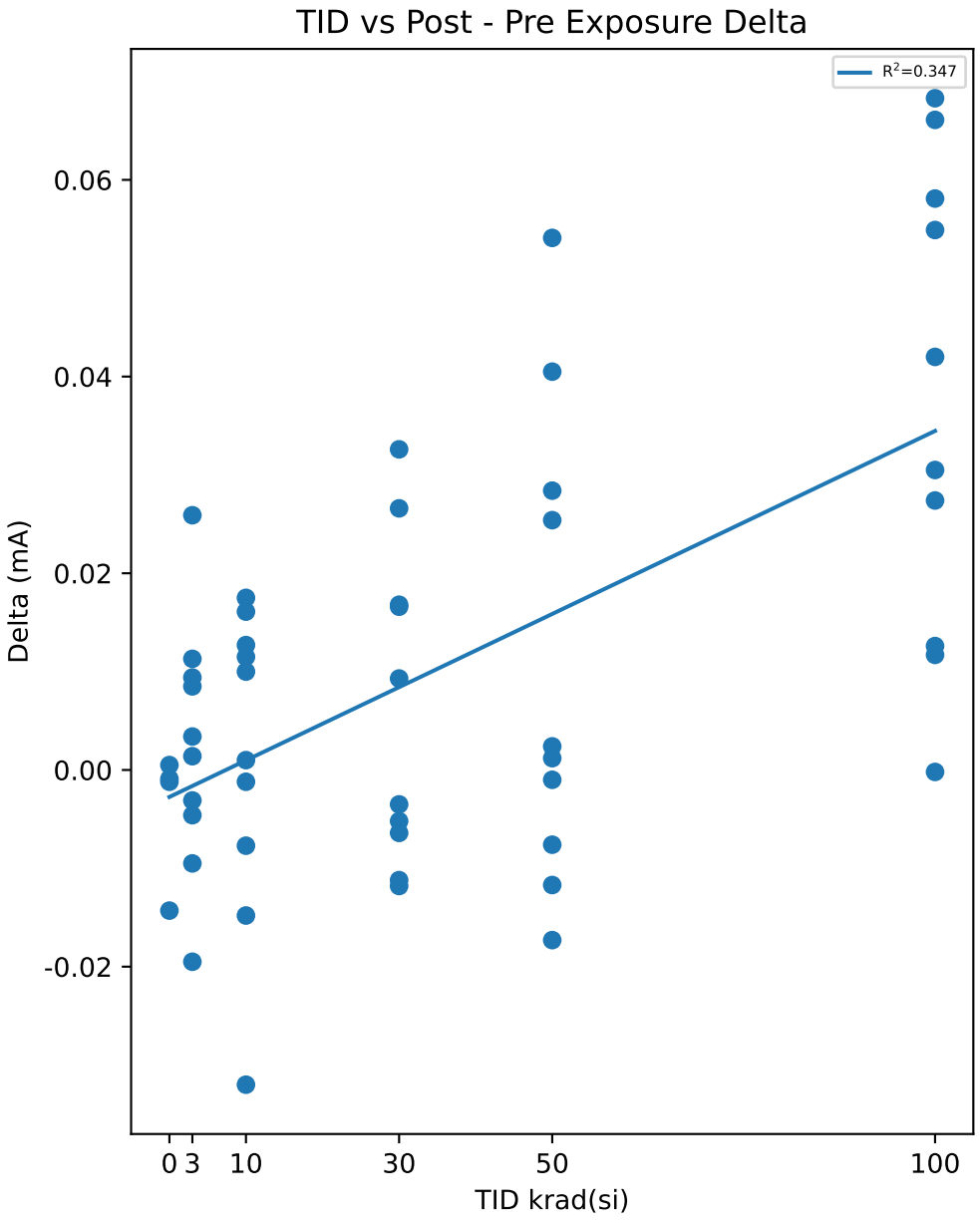
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.9255	1.6383	-0.2872
3	3	Biased	2.0727	2.2774	0.2047
4	3	Biased	2.4655	1.5892	-0.8763
5	3	Biased	2.3182	1.9824	-0.3358
6	3	Biased	2.1218	1.1959	-0.9259
7	3	Unbiased	0.9927	2.2774	1.2847
8	3	Unbiased	1.5818	0.9502	-0.6316
9	3	Unbiased	1.6309	0.7535	-0.8774
10	3	Unbiased	1.14	1.7858	0.6458
11	3	Unbiased	1.2382	2.0316	0.7934
12	10	Unbiased	2.0727	1.2451	-0.8276
13	10	Unbiased	2.0236	1.8841	-0.1395
14	10	Unbiased	1.1891	1.7858	0.5967
15	10	Unbiased	1.9255	1.4417	-0.4838
16	10	Unbiased	1.4345	0.9993	-0.4352
17	10	Biased	3.1037	1.7367	-1.367
18	10	Biased	2.3673	1.4909	-0.8764
19	10	Biased	1.8764	1.54	-0.3364
20	10	Biased	1.6309	0.901	-0.7299
21	10	Biased	3.0055	0.5078	-2.4977
22	30	Biased	1.7291	1.3434	-0.3857
23	30	Biased	1.1891	2.1791	0.99
24	30	Biased	0.6491	1.0485	0.3994
25	30	Biased	1.8764	2.2282	0.3518
26	30	Biased	1.8764	1.2451	-0.6313
27	30	Unbiased	2.3182	1.835	-0.4832
28	30	Unbiased	2.5636	0.7535	-1.8101
29	30	Unbiased	1.5818	0.4094	-1.1724
30	30	Unbiased	2.4164	1.7367	-0.6797
31	30	Unbiased	1.3854	1.5892	0.2038
32	50	Biased	2.2691	1.9333	-0.3358
33	50	Biased	1.14	1.3926	0.2526
34	50	Biased	2.0727	0.9502	-1.1225
35	50	Biased	0.6981	0.6552	-0.0429
36	50	Biased	1.7291	1.2451	-0.484
37	50	Unbiased	1.8764	1.0485	-0.8279
39	50	Unbiased	1.4836	1.0485	-0.4351
40	50	Unbiased	2.1218	1.1959	-0.9259
41	50	Unbiased	2.1709	0.9502	-1.2207
42	50	Unbiased	0.9436	1.5892	0.6456
43	100	Biased	2.22	1.4417	-0.7783
44	100	Biased	1.2382	0.5078	-0.7304
45	100	Biased	1.4345	1.6875	0.253
46	100	Biased	2.7109	1.1959	-1.515
47	100	Biased	2.1709	1.0976	-1.0733
48	100	Unbiased	2.2691	0.7044	-1.5647
49	100	Unbiased	1.1891	0.8519	-0.3372
50	100	Unbiased	1.4836	2.0808	0.5972
51	100	Unbiased	2.76	1.8841	-0.8759
52	100	Unbiased	1.4836	1.0976	-0.386
53	0	Correlation	1.7782	2.0316	0.2534
54	0	Correlation	2.6618	1.1959	-1.4659
55	0	Correlation	1.7291	2.5232	0.7941
56	0	Correlation	2.1709	0.7044	-1.4665

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	1.7291	2.085	2.6618	0.43238	0.7044	1.6138	2.5232	0.81715	-1.4665	-0.47122	0.7941	1.1699
3	0.9927	1.7487	2.4655	0.51186	0.7535	1.6482	2.2774	0.53388	-0.9259	-0.10056	1.2847	0.79071
10	1.1891	2.0629	3.1037	0.62046	0.5078	1.3532	1.8841	0.43892	-2.4977	-0.70968	0.5967	0.81436
30	0.6491	1.7586	2.5636	0.59145	0.4094	1.4368	2.2282	0.59327	-1.8101	-0.32174	0.99	0.82755
50	0.6981	1.6505	2.2691	0.5584	0.6552	1.2009	1.9333	0.36452	-1.2207	-0.44966	0.6456	0.60458
100	1.1891	1.896	2.76	0.59776	0.5078	1.2549	2.0808	0.51388	-1.5647	-0.64106	0.5972	0.69727

Device Test: 6.2; ISD





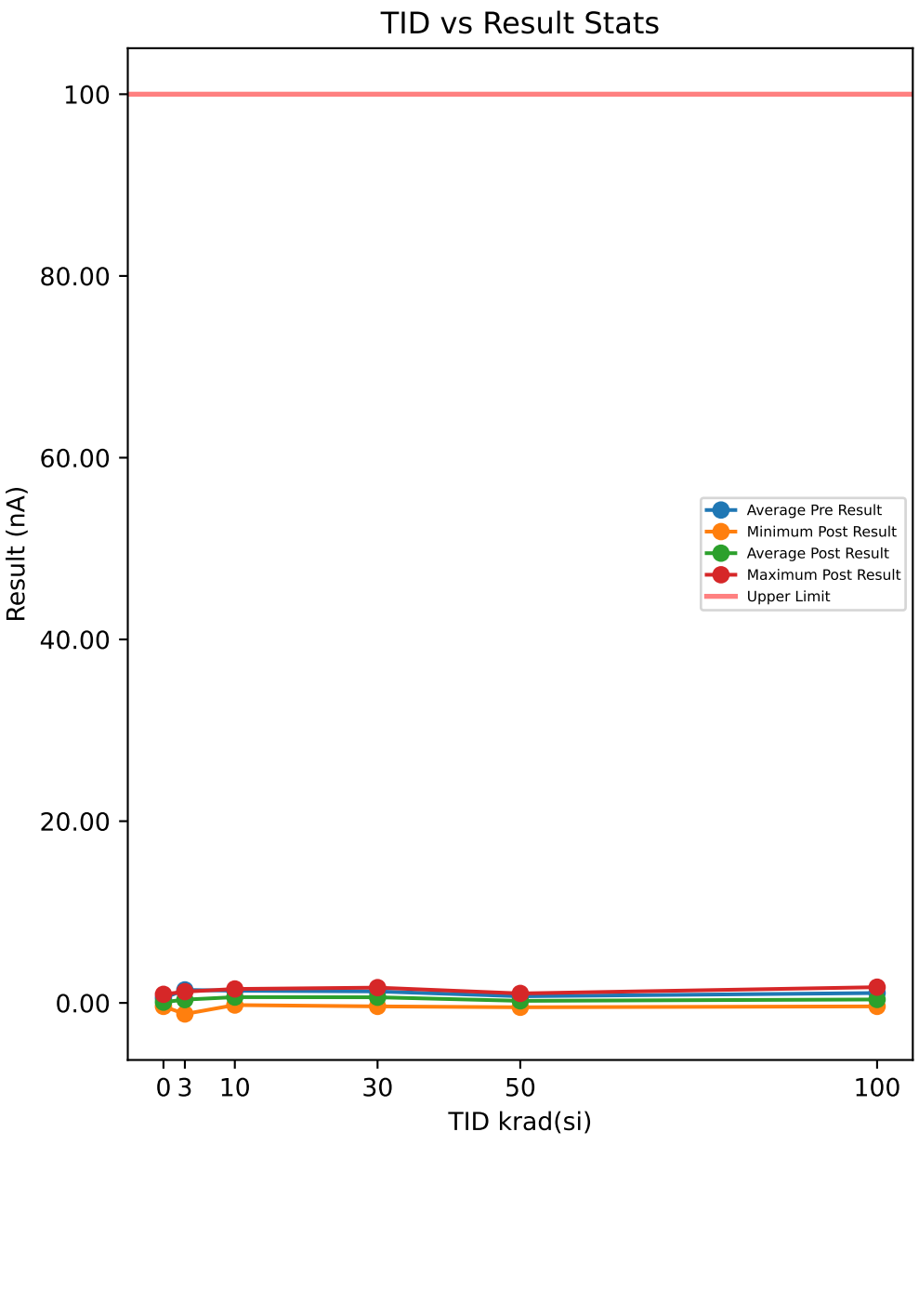
Test Results (Upper Limit = 2.1 (mA))

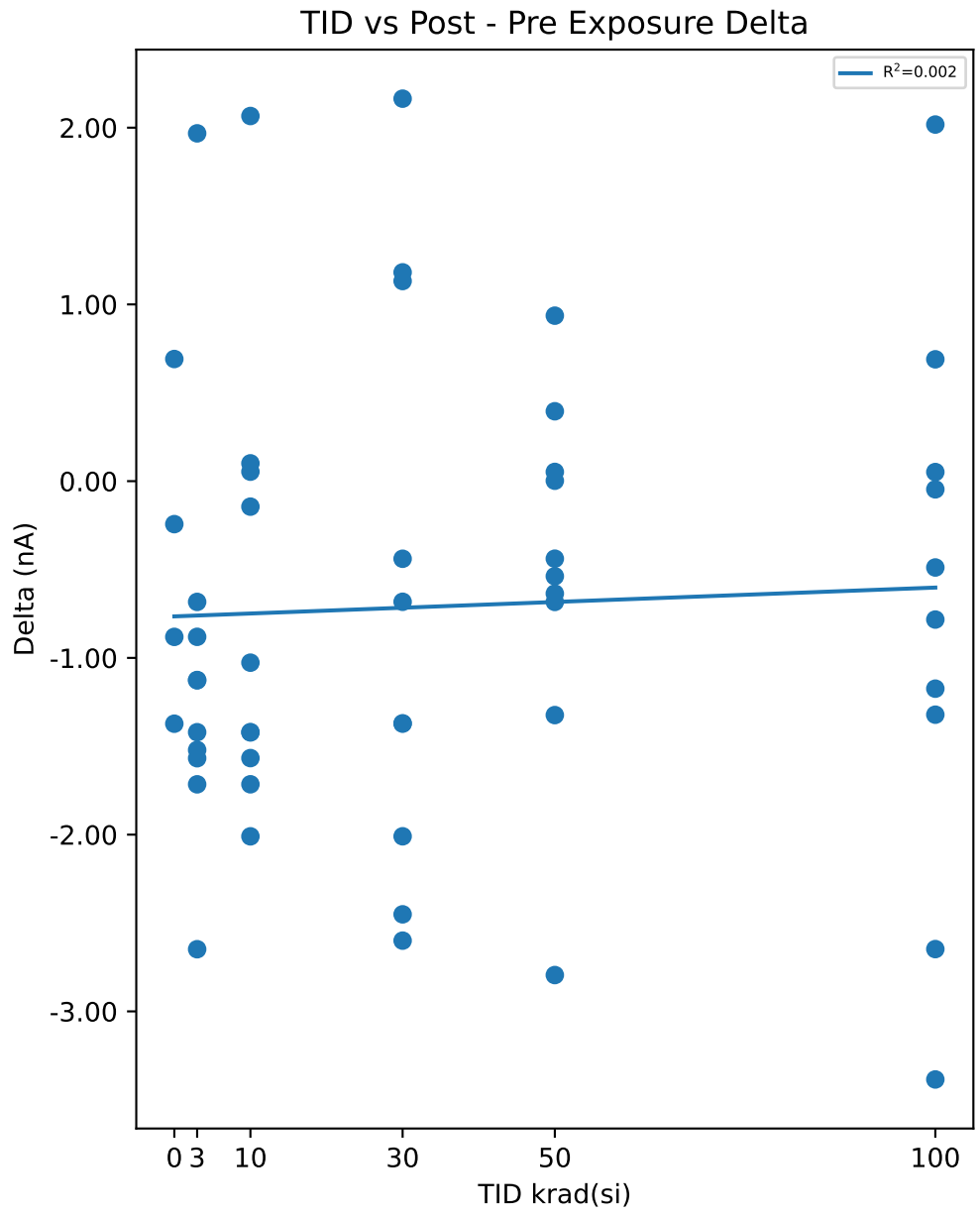
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.4618	1.4731	0.0113
3	3	Biased	1.5451	1.542	-0.0031
4	3	Biased	1.4494	1.4528	0.0034
5	3	Biased	1.5722	1.5981	0.0259
6	3	Biased	1.5264	1.5069	-0.0195
7	3	Unbiased	1.435	1.4304	-0.0046
8	3	Unbiased	1.4799	1.4893	0.0094
9	3	Unbiased	1.5083	1.5168	0.0085
10	3	Unbiased	1.4295	1.42	-0.0095
11	3	Unbiased	1.569	1.5704	0.0014
12	10	Unbiased	1.4802	1.4482	-0.032
13	10	Unbiased	1.5504	1.5356	-0.0148
14	10	Unbiased	1.4486	1.4613	0.0127
15	10	Unbiased	1.4456	1.4571	0.0115
16	10	Unbiased	1.4828	1.4928	0.01
17	10	Biased	1.5414	1.5402	-0.0012
18	10	Biased	1.5685	1.5695	0.001
19	10	Biased	1.4697	1.4872	0.0175
20	10	Biased	1.5255	1.5178	-0.0077
21	10	Biased	1.4943	1.5104	0.0161
22	30	Biased	1.5235	1.5403	0.0168
23	30	Biased	1.4686	1.4634	-0.0052
24	30	Biased	1.4819	1.4784	-0.0035
25	30	Biased	1.5031	1.5124	0.0093
26	30	Biased	1.4614	1.4496	-0.0118
27	30	Unbiased	1.4226	1.4162	-0.0064
28	30	Unbiased	1.4341	1.4607	0.0266
29	30	Unbiased	1.4357	1.4523	0.0166
30	30	Unbiased	1.4404	1.473	0.0326
31	30	Unbiased	1.5237	1.5125	-0.0112
32	50	Biased	1.463	1.5171	0.0541
33	50	Biased	1.4752	1.4579	-0.0173
34	50	Biased	1.4827	1.4851	0.0024
35	50	Biased	1.5506	1.5389	-0.0117
36	50	Biased	1.4763	1.5047	0.0284
37	50	Unbiased	1.484	1.4852	0.0012
39	50	Unbiased	1.4661	1.4585	-0.0076
40	50	Unbiased	1.4152	1.4142	-0.001
41	50	Unbiased	1.4136	1.439	0.0254
42	50	Unbiased	1.5076	1.5481	0.0405
43	100	Biased	1.4803	1.5108	0.0305
44	100	Biased	1.5027	1.5688	0.0661
45	100	Biased	1.5581	1.5855	0.0274
46	100	Biased	1.4276	1.4274	-0.0002
47	100	Biased	1.524	1.5357	0.0117
48	100	Unbiased	1.5001	1.5582	0.0581
49	100	Unbiased	1.5217	1.5766	0.0549
50	100	Unbiased	1.4697	1.538	0.0683
51	100	Unbiased	1.5411	1.5831	0.042
52	100	Unbiased	1.463	1.4756	0.0126
53	0	Correlation	1.4685	1.4673	-0.0012
54	0	Correlation	1.4289	1.428	-0.0009
55	0	Correlation	1.4747	1.4604	-0.0143
56	0	Correlation	1.5479	1.5484	0.0005

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	1.4289	1.48	1.5479	0.049605	1.428	1.476	1.5484	0.051202	-0.0143	-0.003975	0.0005	0.0069231
3	1.4295	1.4977	1.5722	0.054096	1.42	1.5	1.5981	0.058674	-0.0195	0.00232	0.0259	0.012561
10	1.4456	1.5007	1.5685	0.043245	1.4482	1.502	1.5695	0.03991	-0.032	0.00131	0.0175	0.015799
30	1.4226	1.4695	1.5237	0.037483	1.4162	1.4759	1.5403	0.036566	-0.0118	0.00638	0.0326	0.016168
50	1.4136	1.4734	1.5506	0.04009	1.4142	1.4849	1.5481	0.043295	-0.0173	0.01144	0.0541	0.024065
100	1.4276	1.4988	1.5581	0.039472	1.4274	1.536	1.5855	0.051604	-0.0002	0.03714	0.0683	0.024428

Device Test: 6.20; ILKG_SENSE





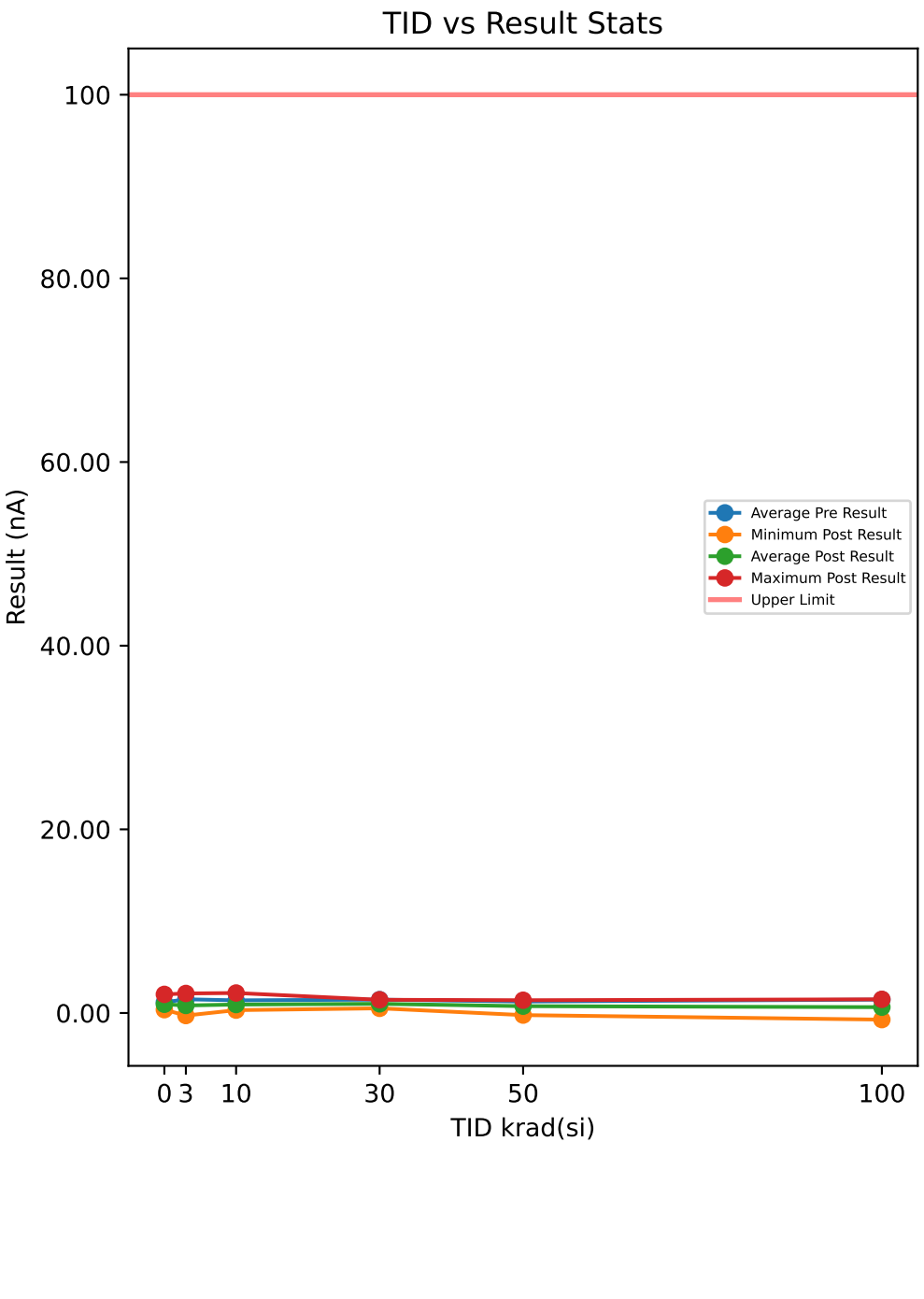
Test Results (Upper Limit = 100.0 (nA))

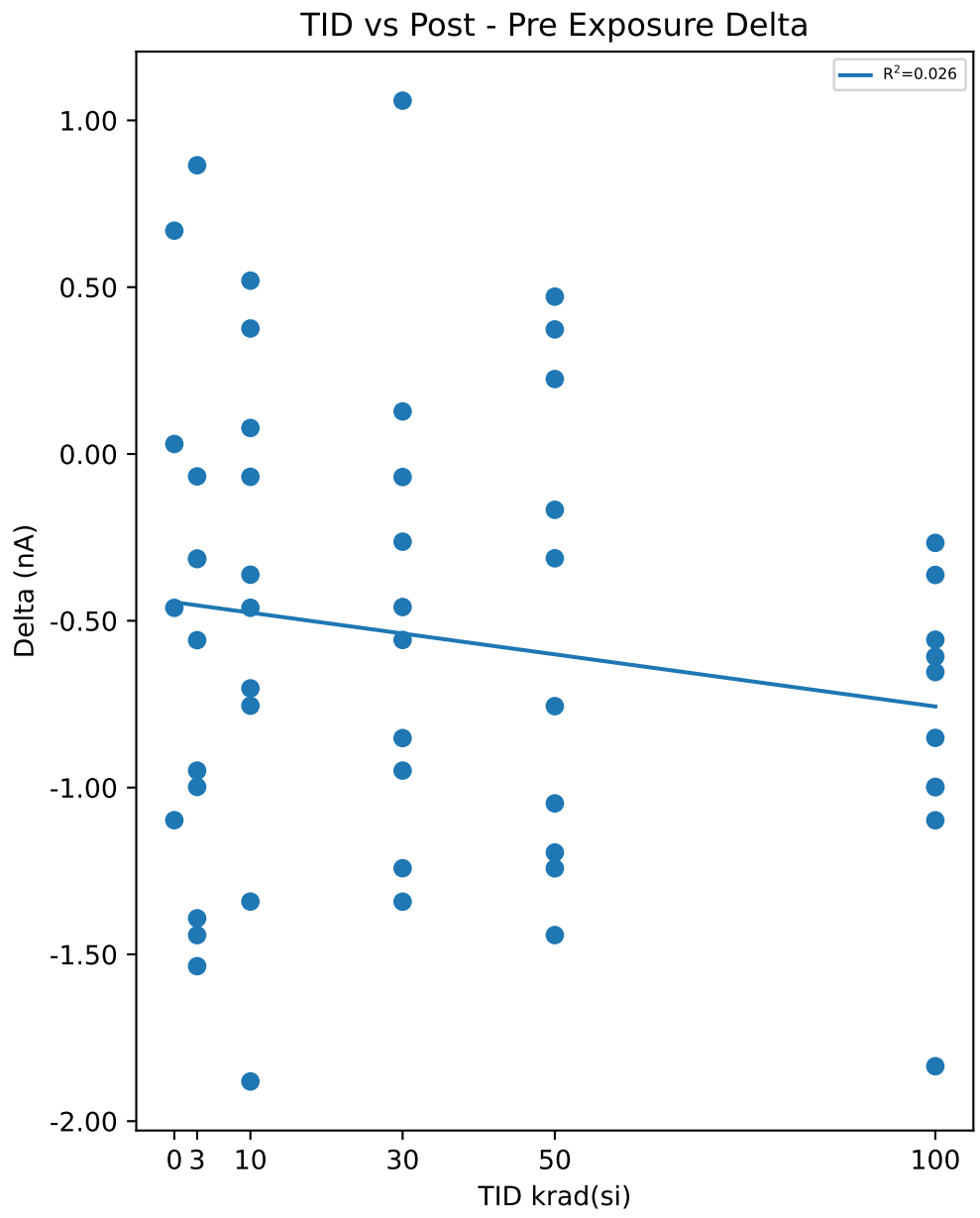
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.8737	1.1905	-0.6832
3	3	Biased	1.0882	0.2074	-0.8808
4	3	Biased	2.1683	1.0431	-1.1252
5	3	Biased	2.7574	0.1091	-2.6483
6	3	Biased	2.1683	0.6007	-1.5676
7	3	Unbiased	0.3028	-1.2181	-1.5209
8	3	Unbiased	2.021	0.3057	-1.7153
9	3	Unbiased	0.8428	-0.2841	-1.1269
10	3	Unbiased	-0.7282	1.2397	1.9679
11	3	Unbiased	1.8246	0.4041	-1.4205
12	10	Unbiased	-0.9246	1.1414	2.066
13	10	Unbiased	2.0701	0.6498	-1.4203
14	10	Unbiased	-0.1882	-0.0875	0.1007
15	10	Unbiased	2.1192	0.4041	-1.7151
16	10	Unbiased	1.481	1.5346	0.0536
17	10	Biased	2.7574	1.1905	-1.5669
18	10	Biased	2.0701	1.0431	-1.027
19	10	Biased	2.3646	0.3549	-2.0097
20	10	Biased	1.1864	-0.235	-1.4214
21	10	Biased	0.4991	0.3549	-0.1442
22	30	Biased	2.2173	-0.3824	-2.5997
23	30	Biased	2.3646	0.9939	-1.3707
24	30	Biased	-0.7773	0.4041	1.1814
25	30	Biased	0.4991	0.06	-0.4391
26	30	Biased	-0.7282	0.4041	1.1323
27	30	Unbiased	2.6592	0.6498	-2.0094
28	30	Unbiased	2.3646	1.6821	-0.6825
29	30	Unbiased	3.2974	0.8465	-2.4509
30	30	Unbiased	1.7755	0.4041	-1.3714
31	30	Unbiased	-1.0227	1.1414	2.1641
32	50	Biased	-0.2373	0.699	0.9363
33	50	Biased	0.3518	-0.2841	-0.6359
34	50	Biased	0.3518	0.4041	0.0523
35	50	Biased	-0.3354	0.06	0.3954
36	50	Biased	-0.1391	-0.1367	0.0024
37	50	Unbiased	0.8919	0.4532	-0.4387
39	50	Unbiased	0.1555	-0.3824	-0.5379
40	50	Unbiased	3.6901	0.8956	-2.7945
41	50	Unbiased	1.7264	1.0431	-0.6833
42	50	Unbiased	0.8428	-0.4808	-1.3236
43	100	Biased	2.3155	1.1414	-1.1741
44	100	Biased	3.2974	0.6498	-2.6476
45	100	Biased	0.3518	-0.1367	-0.4885
46	100	Biased	3.0519	-0.3333	-3.3852
47	100	Biased	-0.1882	-0.1367	0.0515
48	100	Unbiased	0.6464	-0.1367	-0.7831
49	100	Unbiased	0.2046	0.1583	-0.0463
50	100	Unbiased	-0.2864	1.7313	2.0177
51	100	Unbiased	2.561	1.2397	-1.3213
52	100	Unbiased	-1.0718	-0.3824	0.6894
53	0	Correlation	0.99	-0.3824	-1.3724
54	0	Correlation	0.0082	-0.235	-0.2432
55	0	Correlation	0.8919	0.0108	-0.8811
56	0	Correlation	0.2537	0.9448	0.6911

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	0.0082	0.53595	0.99	0.47995	-0.3824	0.08455	0.9448	0.59599	-1.3724	-0.4514	0.6911	0.89098
3	-0.7282	1.4319	2.7574	1.0511	-1.2181	0.35981	1.2397	0.7442	-2.6483	-1.0721	1.9679	1.1973
10	-0.9246	1.3435	2.7574	1.1994	-0.235	0.63508	1.5346	0.58025	-2.0097	-0.70843	2.066	1.2388
30	-1.0227	1.265	3.2974	1.6202	-0.3824	0.62036	1.6821	0.58216	-2.5997	-0.64459	2.1641	1.6475
50	-0.3354	0.72985	3.6901	1.2127	-0.4808	0.2271	1.0431	0.54895	-2.7945	-0.50275	0.9363	1.0232
100	-1.0718	1.0882	3.2974	1.5675	-0.3824	0.37947	1.7313	0.75702	-3.3852	-0.70875	2.0177	1.5625

Device Test: 6.21; ILKG_SENSE





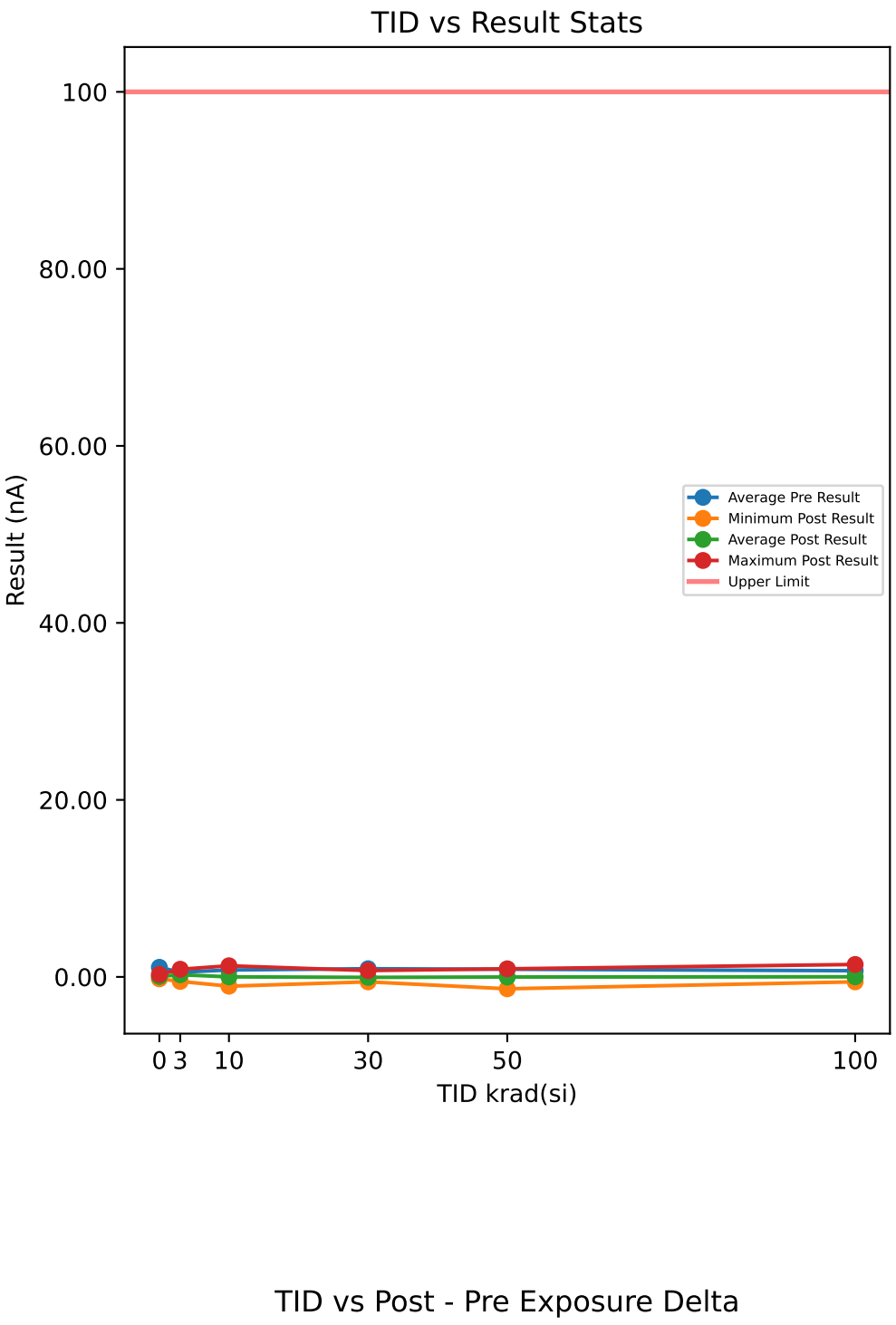
Test Results (Upper Limit = 100.0 (nA))

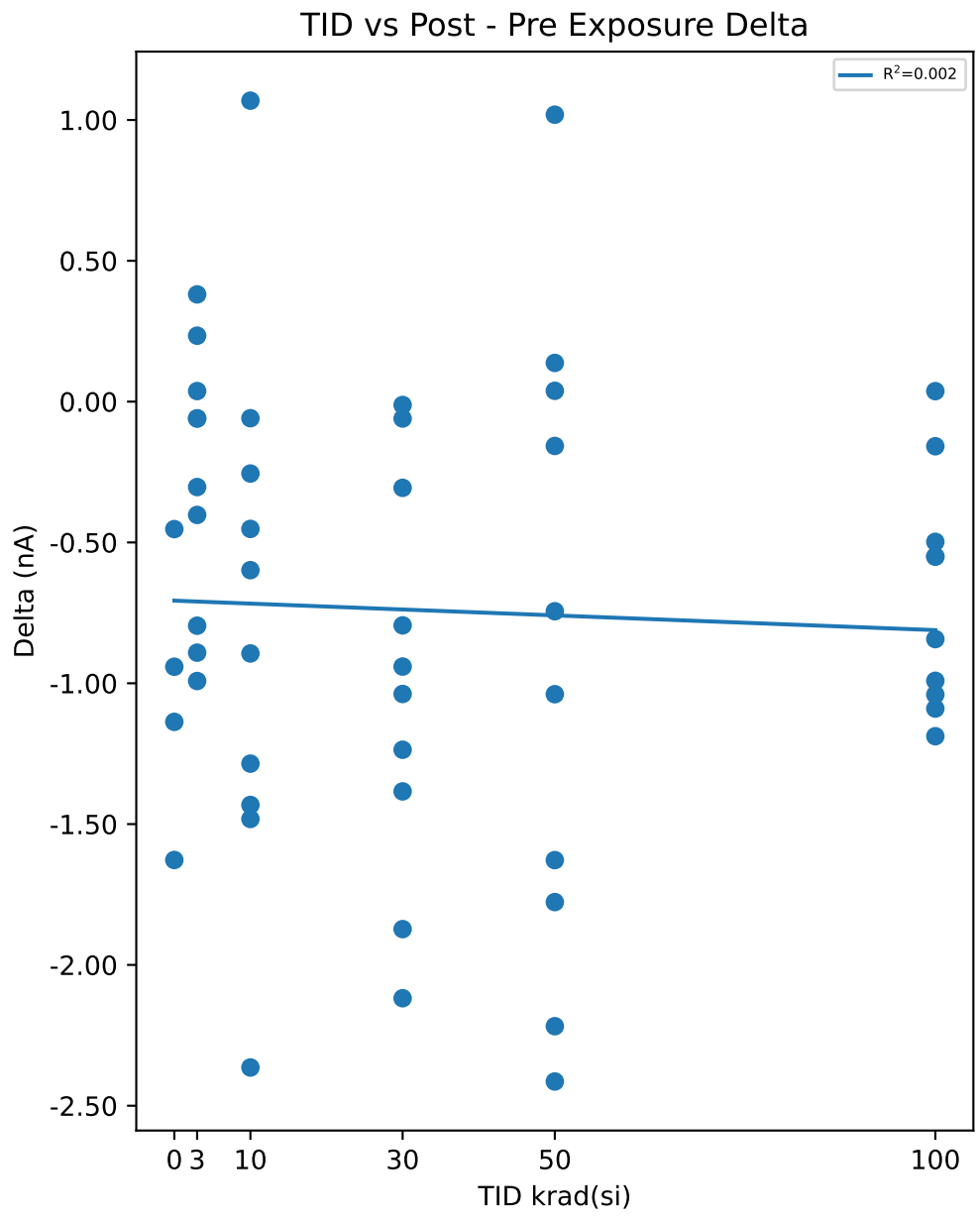
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.1647	-0.2777	-1.4424
3	3	Biased	1.9478	0.9497	-0.9981
4	3	Biased	1.8989	0.9497	-0.9492
5	3	Biased	2.8288	1.2934	-1.5354
6	3	Biased	1.2626	2.128	0.8654
7	3	Unbiased	1.0668	0.7533	-0.3135
8	3	Unbiased	1.6052	0.2133	-1.3919
9	3	Unbiased	0.5284	0.2133	-0.3151
10	3	Unbiased	1.3115	1.2443	-0.0672
11	3	Unbiased	1.3115	0.7533	-0.5582
12	10	Unbiased	0.9689	0.5078	-0.4611
13	10	Unbiased	2.1925	1.4898	-0.7027
14	10	Unbiased	1.2626	0.9006	-0.362
15	10	Unbiased	1.9968	0.6551	-1.3417
16	10	Unbiased	1.3115	0.5569	-0.7546
17	10	Biased	1.801	2.1771	0.3761
18	10	Biased	0.92	0.8515	-0.0685
19	10	Biased	2.1925	0.3115	-1.881
20	10	Biased	0.6263	0.7042	0.0779
21	10	Biased	0.5284	1.0479	0.5195
22	30	Biased	1.6541	0.8024	-0.8517
23	30	Biased	1.5073	1.2443	-0.263
24	30	Biased	0.3816	1.4407	1.0591
25	30	Biased	2.5352	1.2934	-1.2418
26	30	Biased	0.7242	0.6551	-0.0691
27	30	Unbiased	1.8499	0.5078	-1.3421
28	30	Unbiased	1.5563	0.9988	-0.5575
29	30	Unbiased	1.6541	1.1952	-0.4589
30	30	Unbiased	1.8989	0.9497	-0.9492
31	30	Unbiased	0.7731	0.9006	0.1275
32	50	Biased	0.4305	0.6551	0.2246
33	50	Biased	1.8989	0.8515	-1.0474
34	50	Biased	1.2136	-0.2286	-1.4422
35	50	Biased	0.92	1.3916	0.4716
36	50	Biased	0.871	0.1151	-0.7559
37	50	Unbiased	1.3115	0.9988	-0.3127
39	50	Unbiased	0.92	1.2934	0.3734
40	50	Unbiased	2.3883	1.1461	-1.2422
41	50	Unbiased	0.6752	0.5078	-0.1674
42	50	Unbiased	1.8989	0.7042	-1.1947
43	100	Biased	1.9968	0.9988	-0.998
44	100	Biased	2.1436	1.4898	-0.6538
45	100	Biased	1.0668	0.7042	-0.3626
46	100	Biased	1.8499	0.9988	-0.8511
47	100	Biased	1.3605	0.2624	-1.0981
48	100	Unbiased	1.2136	0.606	-0.6076
49	100	Unbiased	1.1157	-0.7196	-1.8353
50	100	Unbiased	1.7031	0.7042	-0.9989
51	100	Unbiased	1.752	1.1952	-0.5568
52	100	Unbiased	0.3816	0.1151	-0.2665
53	0	Correlation	1.4584	0.3606	-1.0978
54	0	Correlation	1.3605	2.0299	0.6694
55	0	Correlation	0.871	0.4097	-0.4613
56	0	Correlation	0.9689	0.9988	0.0299

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	0.871	1.1647	1.4584	0.28821	0.3606	0.94975	2.0299	0.77629	-1.0978	-0.21495	0.6694	0.74881
3	0.5284	1.4926	2.8288	0.62427	-0.2777	0.82206	2.128	0.67483	-1.5354	-0.67056	0.8654	0.74823
10	0.5284	1.38	2.1925	0.62985	0.3115	0.92024	2.1771	0.54926	-1.881	-0.45981	0.5195	0.7493
30	0.3816	1.4535	2.5352	0.64664	0.5078	0.9988	1.4407	0.29641	-1.3421	-0.45467	1.0591	0.71769
50	0.4305	1.2528	2.3883	0.62417	-0.2286	0.7435	1.3916	0.51274	-1.4422	-0.50929	0.4716	0.7198
100	0.3816	1.4584	2.1436	0.53318	-0.7196	0.63549	1.4898	0.62926	-1.8353	-0.82287	-0.2665	0.45097

Device Test: 6.22; ILKG_SENSE





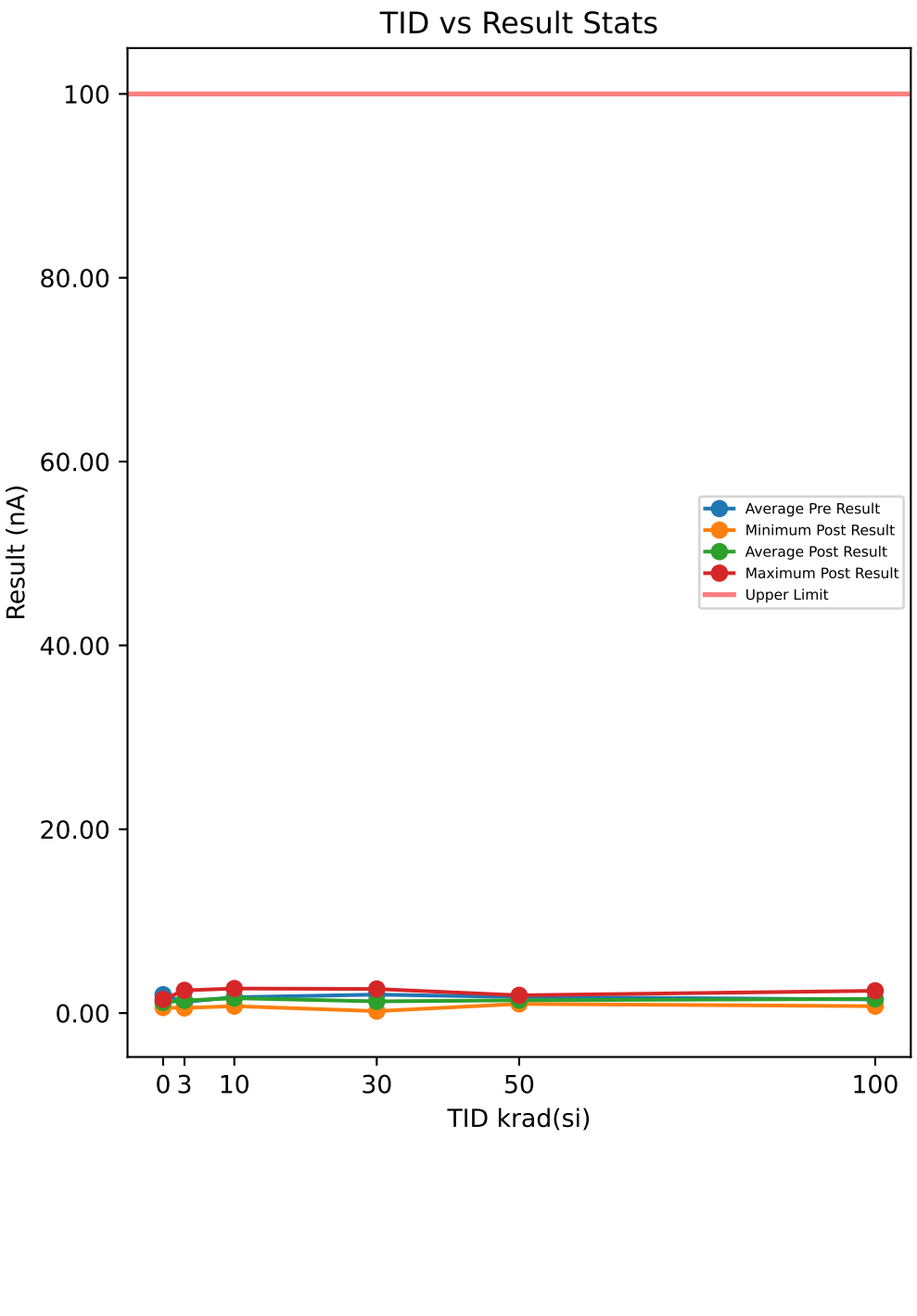
Test Results (Upper Limit = 100.0 (nA))

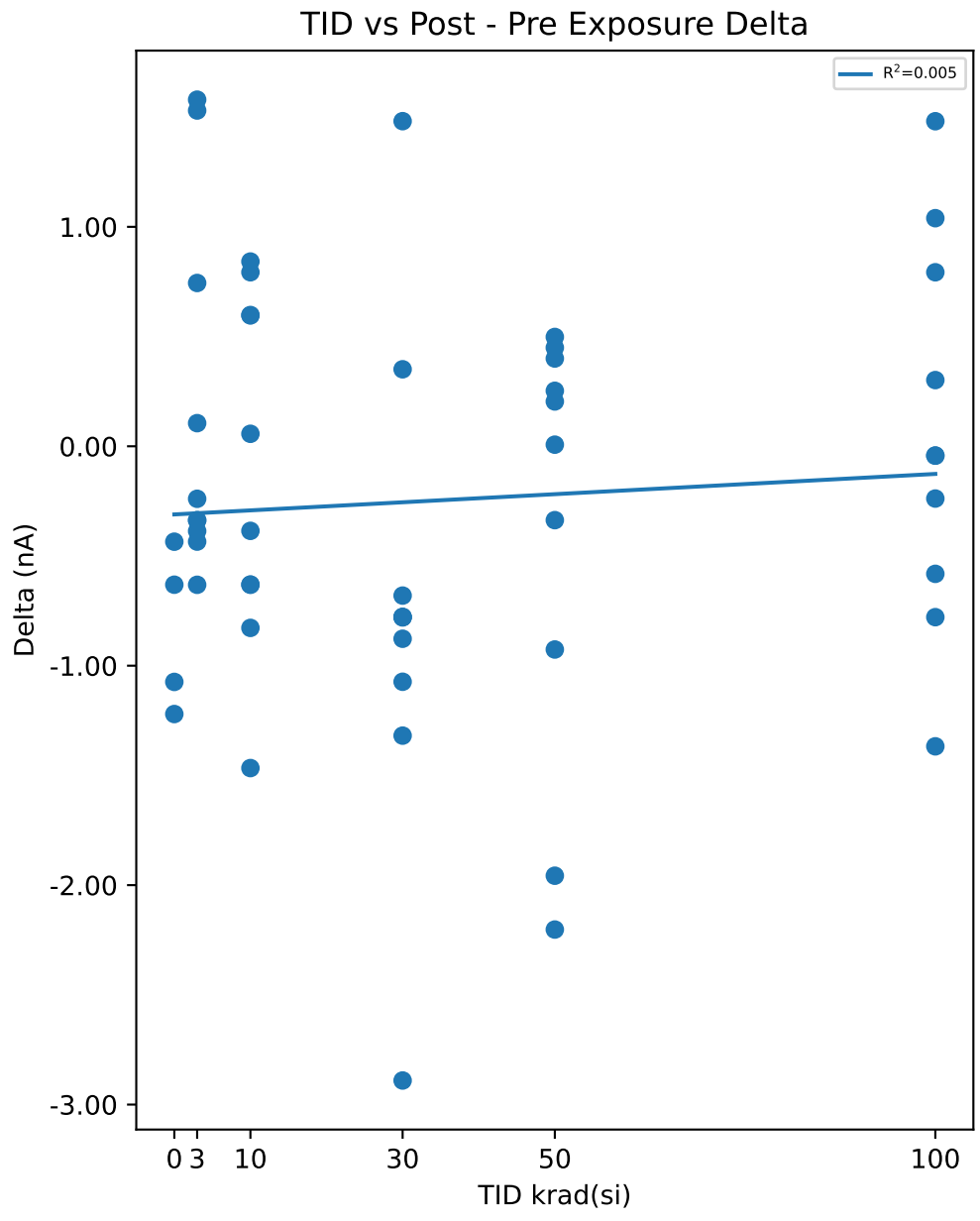
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.5805	0.5213	-0.0592
3	3	Biased	-0.007	0.0305	0.0375
4	3	Biased	0.5316	-0.264	-0.7956
5	3	Biased	0.2378	0.1777	-0.0601
6	3	Biased	-0.1539	0.2268	0.3807
7	3	Unbiased	0.4826	-0.5094	-0.992
8	3	Unbiased	0.8254	0.4231	-0.4023
9	3	Unbiased	0.0909	0.325	0.2341
10	3	Unbiased	1.1681	0.8648	-0.3033
11	3	Unbiased	1.5598	0.6685	-0.8913
12	10	Unbiased	0.9722	-0.3131	-1.2853
13	10	Unbiased	0.5805	0.1286	-0.4519
14	10	Unbiased	0.3357	-0.5585	-0.8942
15	10	Unbiased	0.1888	1.2574	1.0686
16	10	Unbiased	1.2171	-0.2149	-1.432
17	10	Biased	1.315	-1.0492	-2.3642
18	10	Biased	0.6785	0.4231	-0.2554
19	10	Biased	0.7274	0.6685	-0.0589
20	10	Biased	0.8743	0.2759	-0.5984
21	10	Biased	0.9233	-0.5585	-1.4818
22	30	Biased	1.5598	-0.5585	-2.1183
23	30	Biased	0.8254	-0.5585	-1.3839
24	30	Biased	1.4129	0.4722	-0.9407
25	30	Biased	-0.1539	-0.1658	-0.0119
26	30	Biased	1.0212	0.2268	-0.7944
27	30	Unbiased	0.2868	0.2268	-0.06
28	30	Unbiased	1.0212	-0.2149	-1.2361
29	30	Unbiased	1.5598	-0.3131	-1.8729
30	30	Unbiased	-0.056	-0.3621	-0.3061
31	30	Unbiased	1.7556	0.7176	-1.038
32	50	Biased	0.3847	0.4231	0.0384
33	50	Biased	1.4619	0.4231	-1.0388
34	50	Biased	1.0702	-1.3437	-2.4139
35	50	Biased	1.3639	-0.264	-1.6279
36	50	Biased	0.5805	0.4231	-0.1574
37	50	Unbiased	-0.1049	0.9139	1.0188
39	50	Unbiased	1.4619	0.7176	-0.7443
40	50	Unbiased	0.6295	-1.1474	-1.7769
41	50	Unbiased	0.7274	0.8648	0.1374
42	50	Unbiased	1.0702	-1.1474	-2.2176
43	100	Biased	0.6295	0.0796	-0.5499
44	100	Biased	0.8254	-0.2149	-1.0403
45	100	Biased	0.5805	-0.5094	-1.0899
46	100	Biased	0.4337	-0.1167	-0.5504
47	100	Biased	0.6295	-0.5585	-1.188
48	100	Unbiased	-0.1049	-0.0677	0.0372
49	100	Unbiased	1.9025	1.4047	-0.4978
50	100	Unbiased	0.8254	-0.1658	-0.9912
51	100	Unbiased	1.1191	0.2759	-0.8432
52	100	Unbiased	0.1399	-0.0186	-0.1585
53	0	Correlation	1.4129	0.2759	-1.137
54	0	Correlation	1.5108	-0.1167	-1.6275
55	0	Correlation	1.1681	0.2268	-0.9413
56	0	Correlation	0.2378	-0.2149	-0.4527

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	0.2378	1.0824	1.5108	0.58122	-0.2149	0.042775	0.2759	0.24498	-1.6275	-1.0396	-0.4527	0.48622
3	-0.1539	0.53158	1.5598	0.53686	-0.5094	0.24643	0.8648	0.41593	-0.992	-0.28515	0.3807	0.47848
10	0.1888	0.78128	1.315	0.35644	-1.0492	0.00593	1.2574	0.68053	-2.3642	-0.77535	1.0686	0.94567
30	-0.1539	0.92328	1.7556	0.69089	-0.5585	-0.05295	0.7176	0.43962	-2.1183	-0.97623	-0.0119	0.71482
50	-0.1049	0.86453	1.4619	0.51342	-1.3437	-0.01369	0.9139	0.89079	-2.4139	-0.87822	1.0188	1.1331
100	-0.1049	0.69806	1.9025	0.54871	-0.5585	0.01086	1.4047	0.54955	-1.188	-0.6872	0.0372	0.4126

Device Test: 6.23; ILKG_SENSE





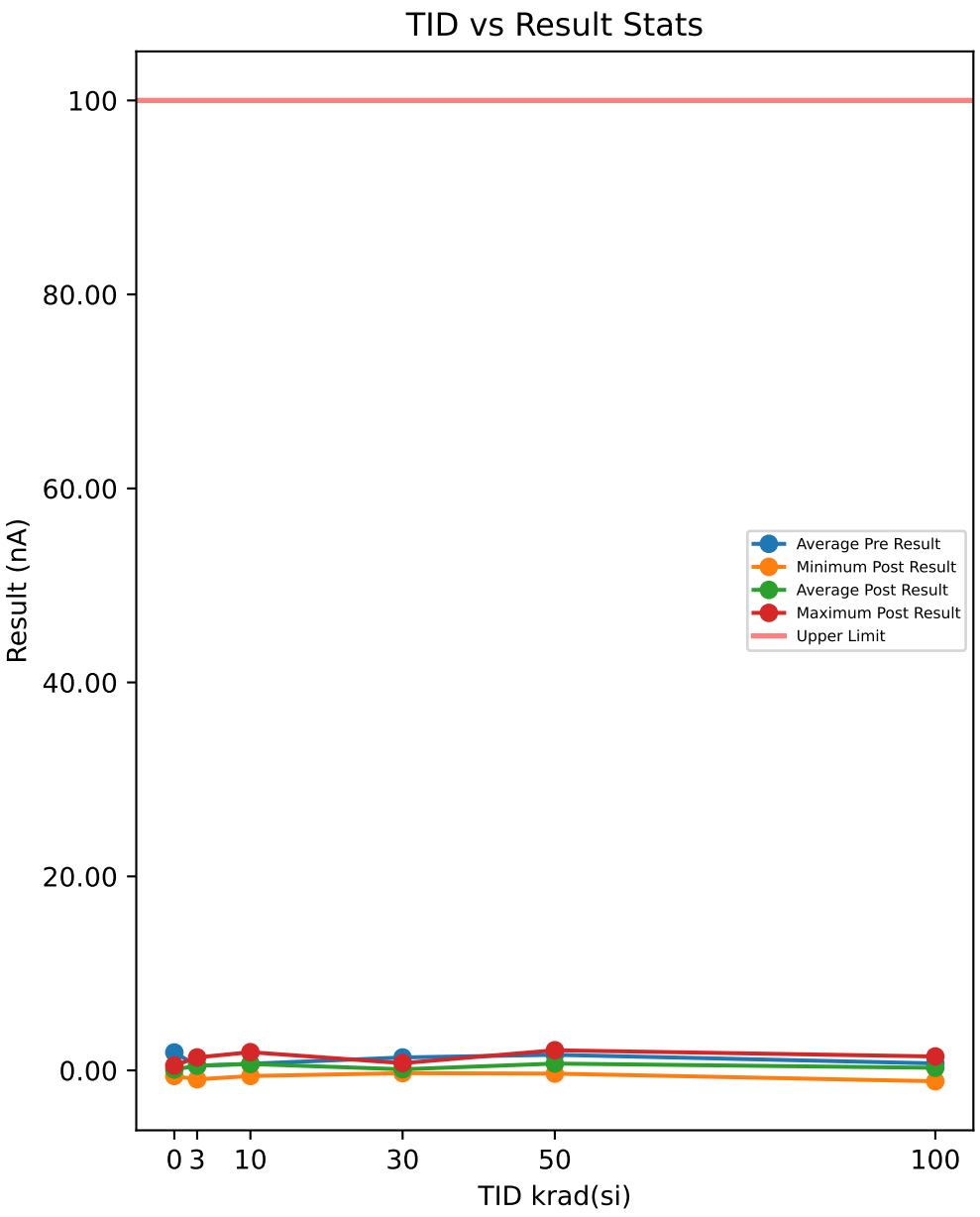
Test Results (Upper Limit = 100.0 (nA))

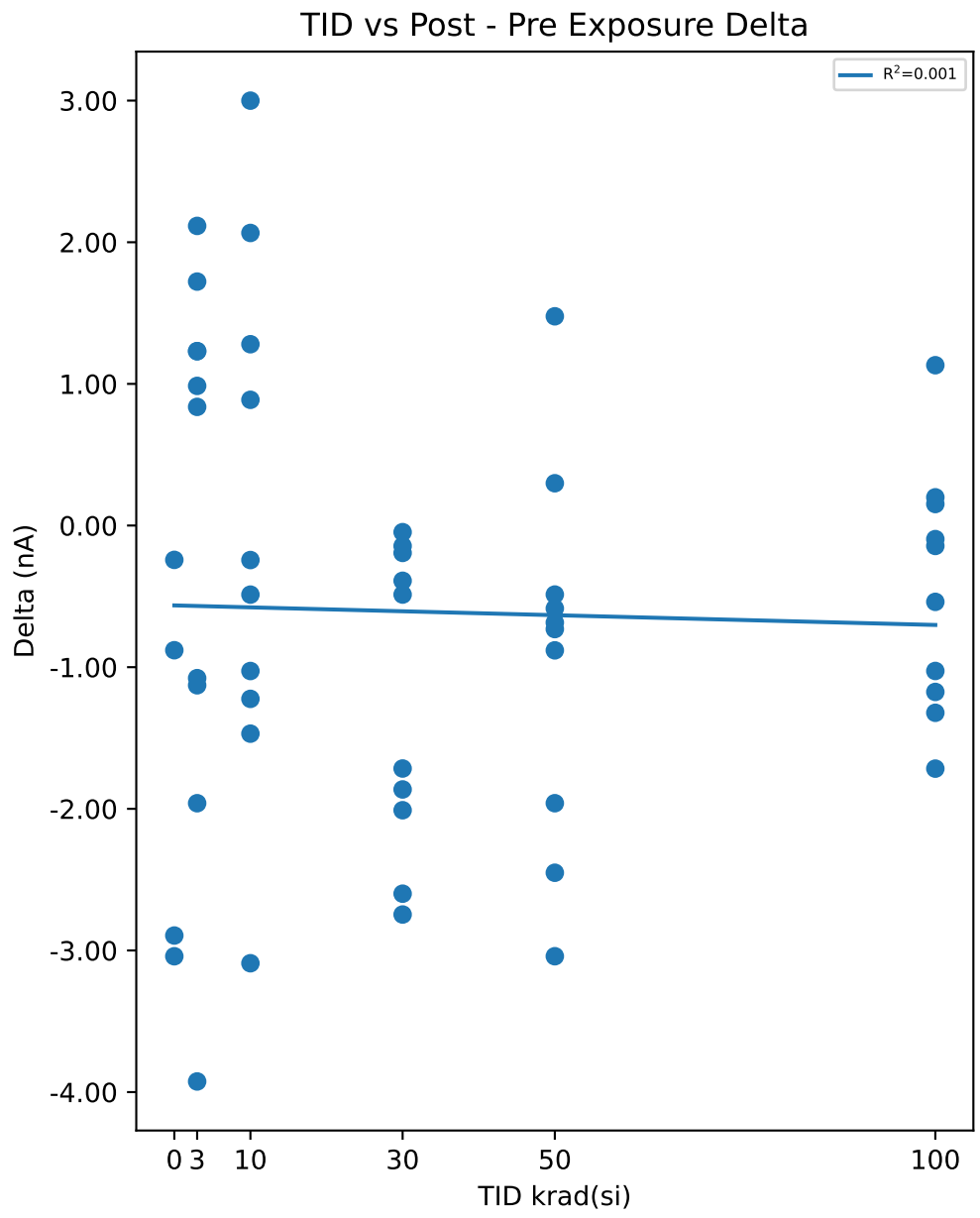
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.6981	2.2282	1.5301
3	3	Biased	1.0909	1.835	0.7441
4	3	Biased	1.0909	0.7535	-0.3374
5	3	Biased	1.8764	1.2451	-0.6313
6	3	Biased	1.1891	0.8519	-0.3372
7	3	Unbiased	0.8945	2.474	1.5795
8	3	Unbiased	1.2382	0.8519	-0.3863
9	3	Unbiased	1.2873	1.3926	0.1053
10	3	Unbiased	1.9745	1.54	-0.4345
11	3	Unbiased	0.7963	0.5569	-0.2394
12	10	Unbiased	2.1709	1.54	-0.6309
13	10	Unbiased	2.0236	1.1959	-0.8277
14	10	Unbiased	0.8945	1.4909	0.5964
15	10	Unbiased	2.0727	2.6706	0.5979
16	10	Unbiased	1.8764	1.4909	-0.3855
17	10	Biased	2.22	0.7535	-1.4665
18	10	Biased	0.6491	1.4909	0.8418
19	10	Biased	2.6127	1.9824	-0.6303
20	10	Biased	1.8273	1.8841	0.0568
21	10	Biased	0.8945	1.6875	0.793
22	30	Biased	2.22	1.1468	-1.0732
23	30	Biased	3.5455	0.6552	-2.8903
24	30	Biased	2.4164	1.6383	-0.7781
25	30	Biased	0.9927	0.2128	-0.7799
26	30	Biased	1.7782	0.901	-0.8772
27	30	Unbiased	1.0909	1.4417	0.3508
28	30	Unbiased	2.5636	1.7858	-0.7778
29	30	Unbiased	1.8764	1.1959	-0.6805
30	30	Unbiased	1.14	2.6215	1.4815
31	30	Unbiased	2.4655	1.1468	-1.3187
32	50	Biased	1.2873	1.54	0.2527
33	50	Biased	1.4836	1.4909	0.0073
34	50	Biased	1.7291	1.9333	0.2042
35	50	Biased	2.9564	0.9993	-1.9571
36	50	Biased	1.5818	1.2451	-0.3367
37	50	Unbiased	1.9255	0.9993	-0.9262
39	50	Unbiased	1.2382	1.6875	0.4493
40	50	Unbiased	3.3	1.0976	-2.2024
41	50	Unbiased	0.9436	1.4417	0.4981
42	50	Unbiased	1.0909	1.4909	0.4
43	100	Biased	1.2382	1.1959	-0.0423
44	100	Biased	2.6618	1.2943	-1.3675
45	100	Biased	0.7963	1.5892	0.7929
46	100	Biased	1.8273	1.0485	-0.7788
47	100	Biased	1.0418	1.3434	0.3016
48	100	Unbiased	1.3854	2.4248	1.0394
49	100	Unbiased	2.4655	1.8841	-0.5814
50	100	Unbiased	0.7963	0.7535	-0.0428
51	100	Unbiased	1.6309	1.3926	-0.2383
52	100	Unbiased	0.9436	2.4248	1.4812
53	0	Correlation	1.68	1.2451	-0.4349
54	0	Correlation	2.1218	1.4909	-0.6309
55	0	Correlation	2.5146	1.2943	-1.2203
56	0	Correlation	1.68	0.6061	-1.0739

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	1.68	1.9991	2.5146	0.40185	0.6061	1.1591	1.4909	0.38366	-1.2203	-0.84	-0.4349	0.3684
3	0.6981	1.2136	1.9745	0.42121	0.5569	1.3729	2.474	0.64932	-0.6313	0.15929	1.5795	0.82788
10	0.6491	1.7242	2.6127	0.66769	0.7535	1.6187	2.6706	0.50514	-1.4665	-0.1055	0.8418	0.79737
30	0.9927	2.0089	3.5455	0.80202	0.2128	1.2746	2.6215	0.6604	-2.8903	-0.73434	1.4815	1.1166
50	0.9436	1.7536	3.3	0.78521	0.9993	1.3926	1.9333	0.30568	-2.2024	-0.36108	0.4981	1.0035
100	0.7963	1.4787	2.6618	0.66611	0.7535	1.5351	2.4248	0.55634	-1.3675	0.0564	1.4812	0.8716

Device Test: 6.24; ILKG_SENSE





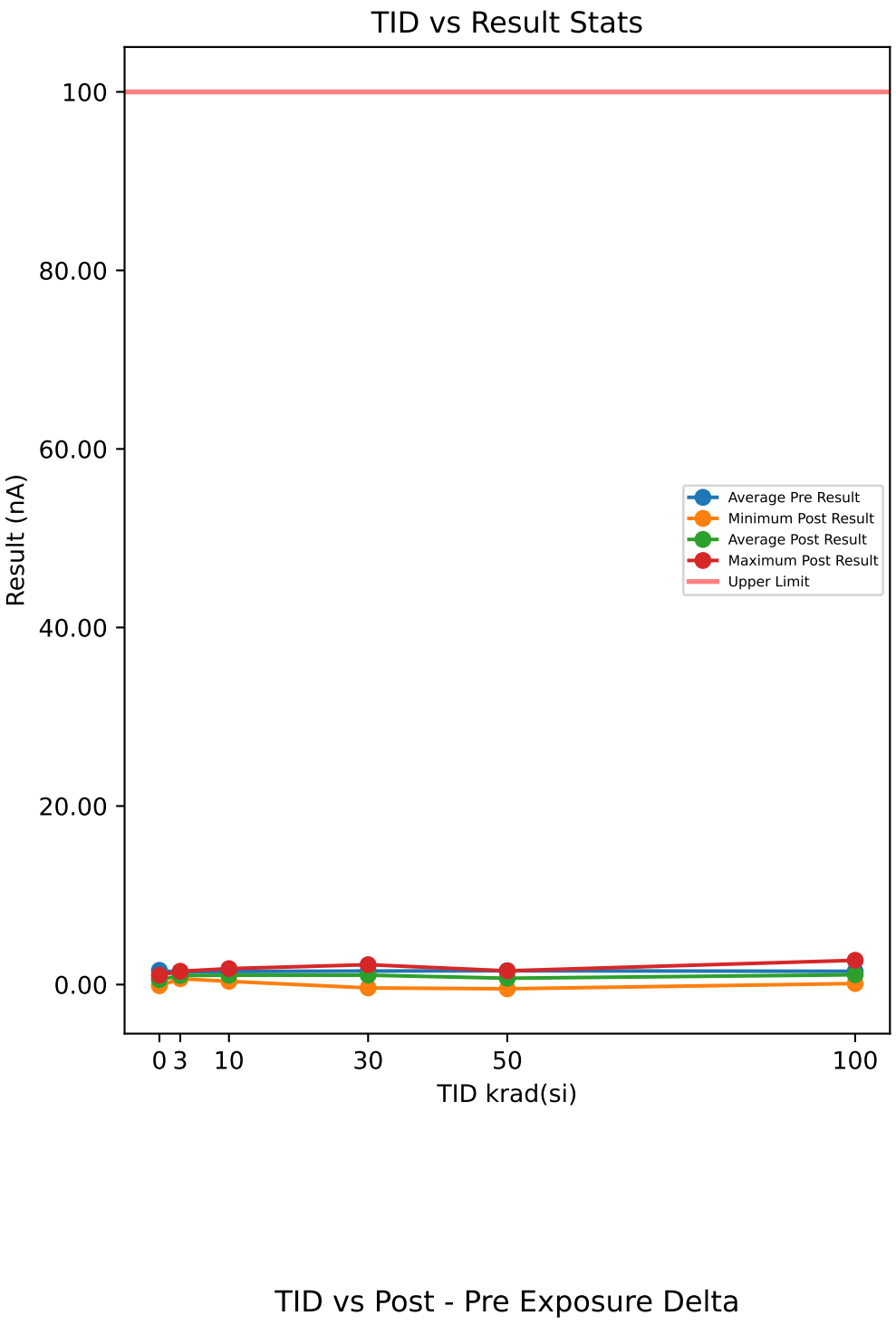
Test Results (Upper Limit = 100.0 (nA))

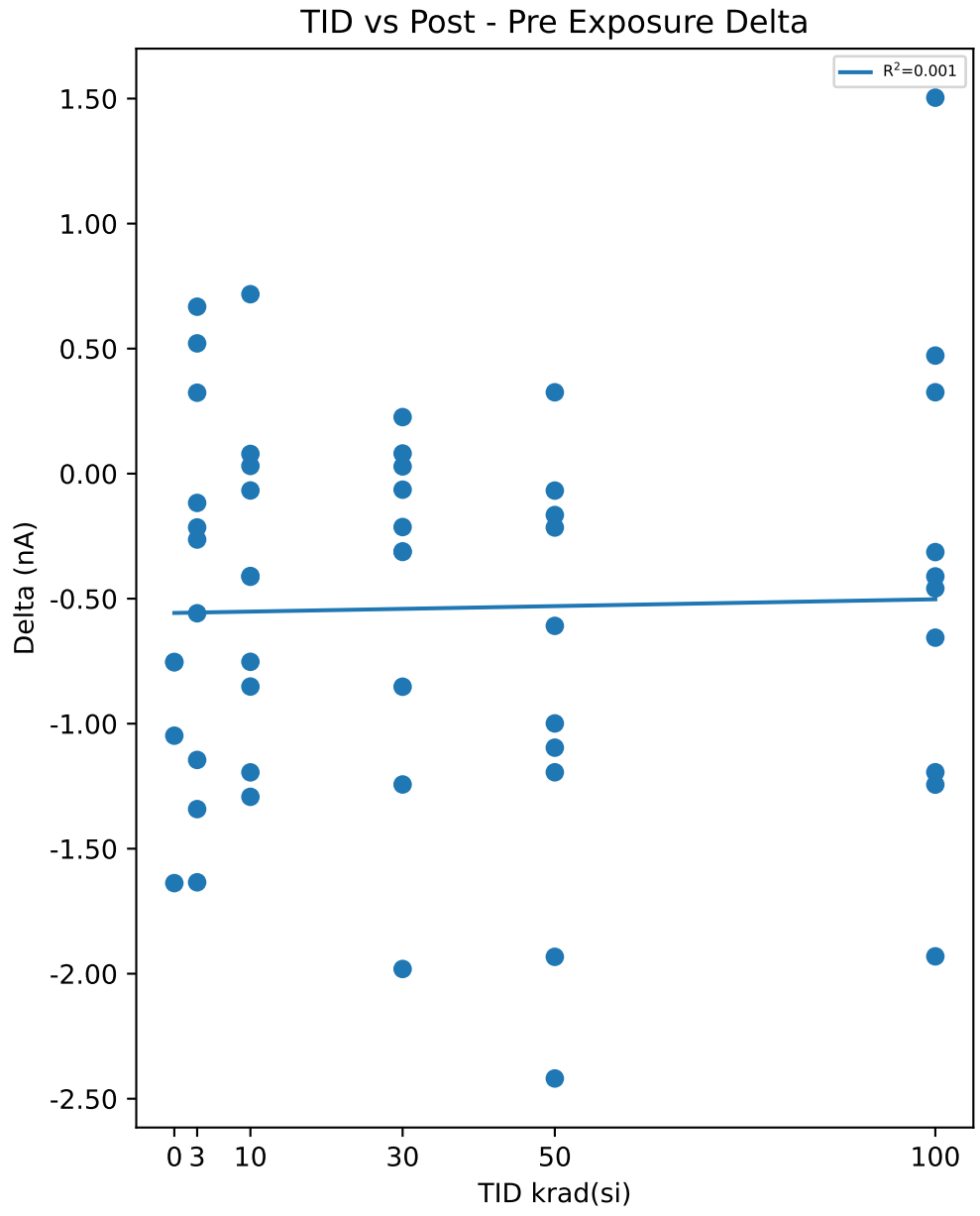
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	-0.1391	1.0922	1.2313
3	3	Biased	-0.6791	1.0431	1.7222
4	3	Biased	0.2046	-0.9232	-1.1278
5	3	Biased	-0.3845	0.4532	0.8377
6	3	Biased	0.0573	1.0431	0.9858
7	3	Unbiased	2.4137	0.4532	-1.9605
8	3	Unbiased	-0.8264	0.4041	1.2305
9	3	Unbiased	1.0391	-0.0384	-1.0775
10	3	Unbiased	3.8865	-0.0384	-3.9249
11	3	Unbiased	-0.7773	1.338	2.1153
12	10	Unbiased	2.021	0.7973	-1.2237
13	10	Unbiased	3.0028	-0.0875	-3.0903
14	10	Unbiased	-0.4827	0.7973	1.28
15	10	Unbiased	0.0573	0.9448	0.8875
16	10	Unbiased	0.941	0.4532	-0.4878
17	10	Biased	1.9719	0.9448	-1.0271
18	10	Biased	-1.1209	1.8787	2.9996
19	10	Biased	2.0701	0.6007	-1.4694
20	10	Biased	-0.3354	-0.5791	-0.2437
21	10	Biased	-1.2682	0.7973	2.0655
22	30	Biased	2.1683	0.1583	-2.01
23	30	Biased	0.45	0.2566	-0.1934
24	30	Biased	2.9537	0.2074	-2.7463
25	30	Biased	-0.2373	-0.2841	-0.0468
26	30	Biased	0.3028	0.1583	-0.1445
27	30	Unbiased	1.2355	0.7481	-0.4874
28	30	Unbiased	1.5792	-0.2841	-1.8633
29	30	Unbiased	2.7083	0.1091	-2.5992
30	30	Unbiased	0.4009	0.0108	-0.3901
31	30	Unbiased	1.7755	0.06	-1.7155
32	50	Biased	1.3337	0.8465	-0.4872
33	50	Biased	2.9046	0.4532	-2.4514
34	50	Biased	0.7446	-0.1367	-0.8813
35	50	Biased	2.8065	2.0754	-0.7311
36	50	Biased	0.7937	1.0922	0.2985
37	50	Unbiased	0.3518	-0.3333	-0.6851
39	50	Unbiased	-0.1391	1.338	1.4771
40	50	Unbiased	3.3465	0.3057	-3.0408
41	50	Unbiased	2.4628	0.5024	-1.9604
42	50	Unbiased	1.481	0.8956	-0.5854
43	100	Biased	1.2846	1.4363	0.1517
44	100	Biased	0.5973	0.4532	-0.1441
45	100	Biased	-1.0718	0.06	1.1318
46	100	Biased	1.9719	0.6498	-1.3221
47	100	Biased	1.8246	0.6498	-1.1748
48	100	Unbiased	-0.09	0.1091	0.1991
49	100	Unbiased	2.2173	1.1905	-1.0268
50	100	Unbiased	-0.5809	-1.1198	-0.5389
51	100	Unbiased	1.2355	-0.4808	-1.7163
52	100	Unbiased	-0.1882	-0.2841	-0.0959
53	0	Correlation	2.3155	-0.5791	-2.8946
54	0	Correlation	3.1501	0.1091	-3.041
55	0	Correlation	1.3828	0.5024	-0.8804
56	0	Correlation	0.5482	0.3057	-0.2425

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	0.5482	1.8492	3.1501	1.1284	-0.5791	0.084525	0.5024	0.47065	-3.041	-1.7646	-0.2425	1.4148
3	-0.8264	0.47948	3.8865	1.5518	-0.9232	0.48269	1.338	0.68789	-3.9249	0.00321	2.1153	1.9387
10	-1.2682	0.68569	3.0028	1.5156	-0.5791	0.65475	1.8787	0.65355	-3.0903	-0.03094	2.9996	1.833
30	-0.2373	1.3337	2.9537	1.0882	-0.2841	0.11404	0.7481	0.29167	-2.7463	-1.2197	-0.0468	1.0712
50	-0.1391	1.6086	3.3465	1.2019	-0.3333	0.7039	2.0754	0.70988	-3.0408	-0.90471	1.4771	1.3143
100	-1.0718	0.72003	2.2173	1.1553	-1.1198	0.2664	1.4363	0.77472	-1.7163	-0.45363	1.1318	0.86502

Device Test: 6.25; ILKG_SENSE





Test Results (Upper Limit = 100.0 (nA))

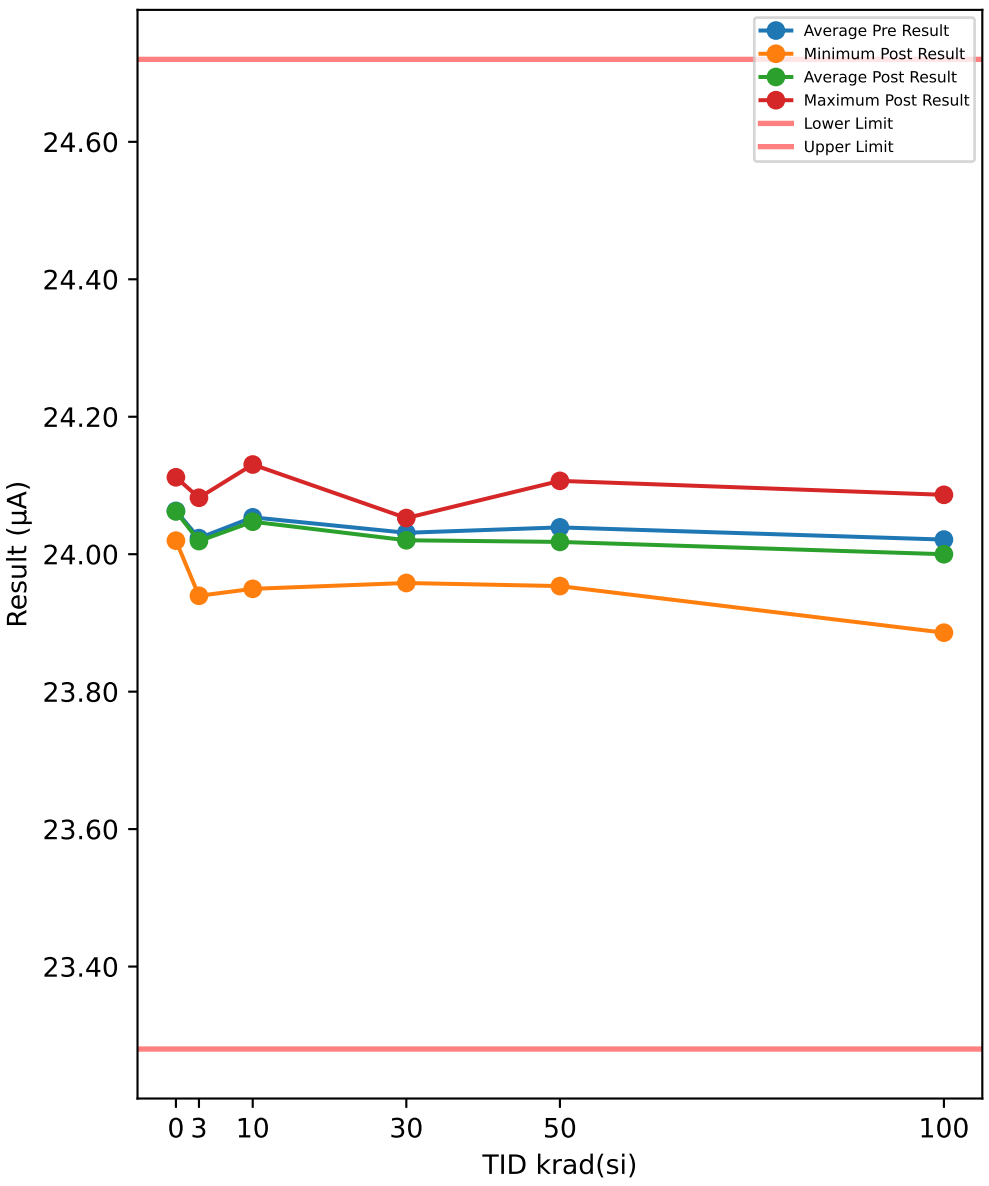
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.0668	0.9497	-0.1171
3	3	Biased	2.0947	0.9497	-1.145
4	3	Biased	1.2626	0.7042	-0.5584
5	3	Biased	0.6752	0.9988	0.3236
6	3	Biased	1.1157	0.9006	-0.2151
7	3	Unbiased	1.9968	0.6551	-1.3417
8	3	Unbiased	0.7731	1.4407	0.6676
9	3	Unbiased	1.3605	1.097	-0.2635
10	3	Unbiased	2.5841	0.9497	-1.6344
11	3	Unbiased	0.9689	1.4898	0.5209
12	10	Unbiased	1.9968	0.7042	-1.2926
13	10	Unbiased	1.2626	1.1952	-0.0674
14	10	Unbiased	1.0668	1.7844	0.7176
15	10	Unbiased	0.92	0.9988	0.0788
16	10	Unbiased	1.8989	0.7042	-1.1947
17	10	Biased	1.801	1.3916	-0.4094
18	10	Biased	1.2626	1.2934	0.0308
19	10	Biased	0.7731	0.3606	-0.4125
20	10	Biased	1.7031	0.8515	-0.8516
21	10	Biased	1.9478	1.1952	-0.7526
22	30	Biased	2.0947	0.8515	-1.2432
23	30	Biased	1.5073	0.6551	-0.8522
24	30	Biased	1.1647	0.8515	-0.3132
25	30	Biased	1.8989	1.588	-0.3109
26	30	Biased	1.6052	1.3916	-0.2136
27	30	Unbiased	2.2904	2.2262	-0.0642
28	30	Unbiased	0.6263	0.6551	0.0288
29	30	Unbiased	1.4584	1.5389	0.0805
30	30	Unbiased	1.6052	-0.3759	-1.9811
31	30	Unbiased	0.92	1.1461	0.2261
32	50	Biased	2.8778	0.4588	-2.419
33	50	Biased	1.9968	0.8024	-1.1944
34	50	Biased	1.6541	0.6551	-0.999
35	50	Biased	1.2136	1.5389	0.3253
36	50	Biased	1.2626	1.097	-0.1656
37	50	Unbiased	1.1157	1.0479	-0.0678
39	50	Unbiased	1.0179	0.8024	-0.2155
40	50	Unbiased	1.4584	-0.4741	-1.9325
41	50	Unbiased	0.8221	0.2133	-0.6088
42	50	Unbiased	2.0457	0.9497	-1.096
43	100	Biased	1.6052	1.1461	-0.4591
44	100	Biased	1.2626	1.588	0.3254
45	100	Biased	1.0179	0.7042	-0.3137
46	100	Biased	1.2626	0.8515	-0.4111
47	100	Biased	2.0457	0.1151	-1.9306
48	100	Unbiased	1.4584	0.8024	-0.656
49	100	Unbiased	1.8989	0.6551	-1.2438
50	100	Unbiased	1.0668	1.5389	0.4721
51	100	Unbiased	2.0457	0.8515	-1.1942
52	100	Unbiased	1.2136	2.7172	1.5036
53	0	Correlation	1.7031	0.6551	-1.048
54	0	Correlation	1.801	1.0479	-0.7531
55	0	Correlation	1.5073	-0.1304	-1.6377
56	0	Correlation	1.3605	0.606	-0.7545

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	1.3605	1.593	1.801	0.1973	-0.1304	0.54465	1.0479	0.49157	-1.6377	-1.0483	-0.7531	0.41667
3	0.6752	1.3898	2.5841	0.62861	0.6551	1.0135	1.4898	0.27195	-1.6344	-0.37631	0.6676	0.79087
10	0.7731	1.4633	1.9968	0.45826	0.3606	1.0479	1.7844	0.41013	-1.2926	-0.41536	0.7176	0.62618
30	0.6263	1.5171	2.2904	0.51323	-0.3759	1.0528	2.2262	0.70409	-1.9811	-0.4643	0.2261	0.69472
50	0.8221	1.5465	2.8778	0.61688	-0.4741	0.70914	1.5389	0.55181	-2.419	-0.83733	0.3253	0.86639
100	1.0179	1.4877	2.0457	0.39169	0.1151	1.097	2.7172	0.71374	-1.9306	-0.39074	1.5036	0.98159

Device Test: 6.26; IHYS

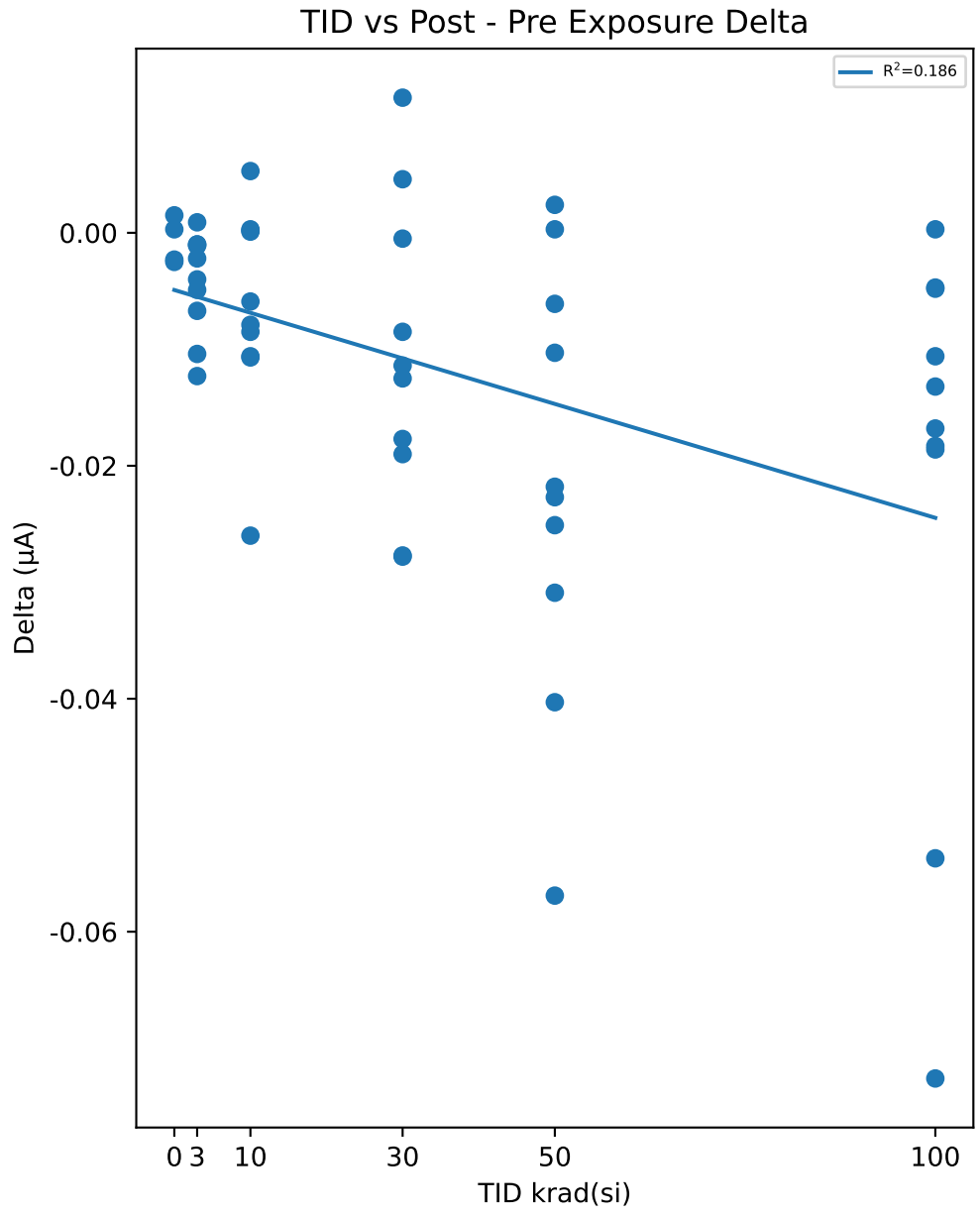
TID vs Result Stats



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

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	24.068	24.056	-0.0123
3	3	Biased	24.045	24.044	-0.001
4	3	Biased	24.009	24.004	-0.0049
5	3	Biased	24.083	24.082	-0.0011
6	3	Biased	24.045	24.044	-0.001
7	3	Unbiased	24.039	24.04	0.0009
8	3	Unbiased	24.01	24.003	-0.0067
9	3	Unbiased	24.038	24.034	-0.004
10	3	Unbiased	23.946	23.944	-0.0022
11	3	Unbiased	23.95	23.939	-0.0104
12	10	Unbiased	23.944	23.95	0.0053
13	10	Unbiased	24.126	24.118	-0.0079
14	10	Unbiased	24.044	24.045	0.0002
15	10	Unbiased	24.141	24.131	-0.0107
16	10	Unbiased	24.007	23.998	-0.0085
17	10	Biased	24.05	24.024	-0.026
18	10	Biased	24.068	24.068	0.0003
19	10	Biased	24.126	24.126	0.0001
20	10	Biased	24.032	24.021	-0.0106
21	10	Biased	23.998	23.992	-0.0059
22	30	Biased	24.041	24.022	-0.019
23	30	Biased	23.976	23.958	-0.0177
24	30	Biased	24.08	24.053	-0.0277
25	30	Biased	24.05	24.049	-0.0005
26	30	Biased	24.014	24.002	-0.0114
27	30	Unbiased	24.062	24.05	-0.0125
28	30	Unbiased	24.044	24.036	-0.0085
29	30	Unbiased	23.967	23.979	0.0116
30	30	Unbiased	24.06	24.032	-0.0278
31	30	Unbiased	24.017	24.022	0.0046
32	50	Biased	24.007	23.982	-0.0251
33	50	Biased	24.025	23.994	-0.0309
34	50	Biased	24.104	24.094	-0.0103
35	50	Biased	23.953	23.954	0.0003
36	50	Biased	24.003	23.963	-0.0403
37	50	Unbiased	24.025	23.968	-0.0569
39	50	Unbiased	24.082	24.059	-0.0227
40	50	Unbiased	24.104	24.107	0.0024
41	50	Unbiased	24.053	24.031	-0.0218
42	50	Unbiased	24.033	24.027	-0.0061
43	100	Biased	23.996	23.997	0.0003
44	100	Biased	24.105	24.086	-0.0183
45	100	Biased	23.941	23.927	-0.0132
46	100	Biased	23.958	23.886	-0.0726
47	100	Biased	24.027	24.008	-0.0186
48	100	Unbiased	24.019	23.965	-0.0537
49	100	Unbiased	24.06	24.043	-0.0168
50	100	Unbiased	23.998	23.994	-0.0047
51	100	Unbiased	24.064	24.053	-0.0106
52	100	Unbiased	24.044	24.04	-0.0048
53	0	Correlation	24.032	24.029	-0.0025
54	0	Correlation	24.112	24.112	0.0003
55	0	Correlation	24.087	24.088	0.0015
56	0	Correlation	24.022	24.02	-0.0023

TID vs Post - Pre Exposure Delta

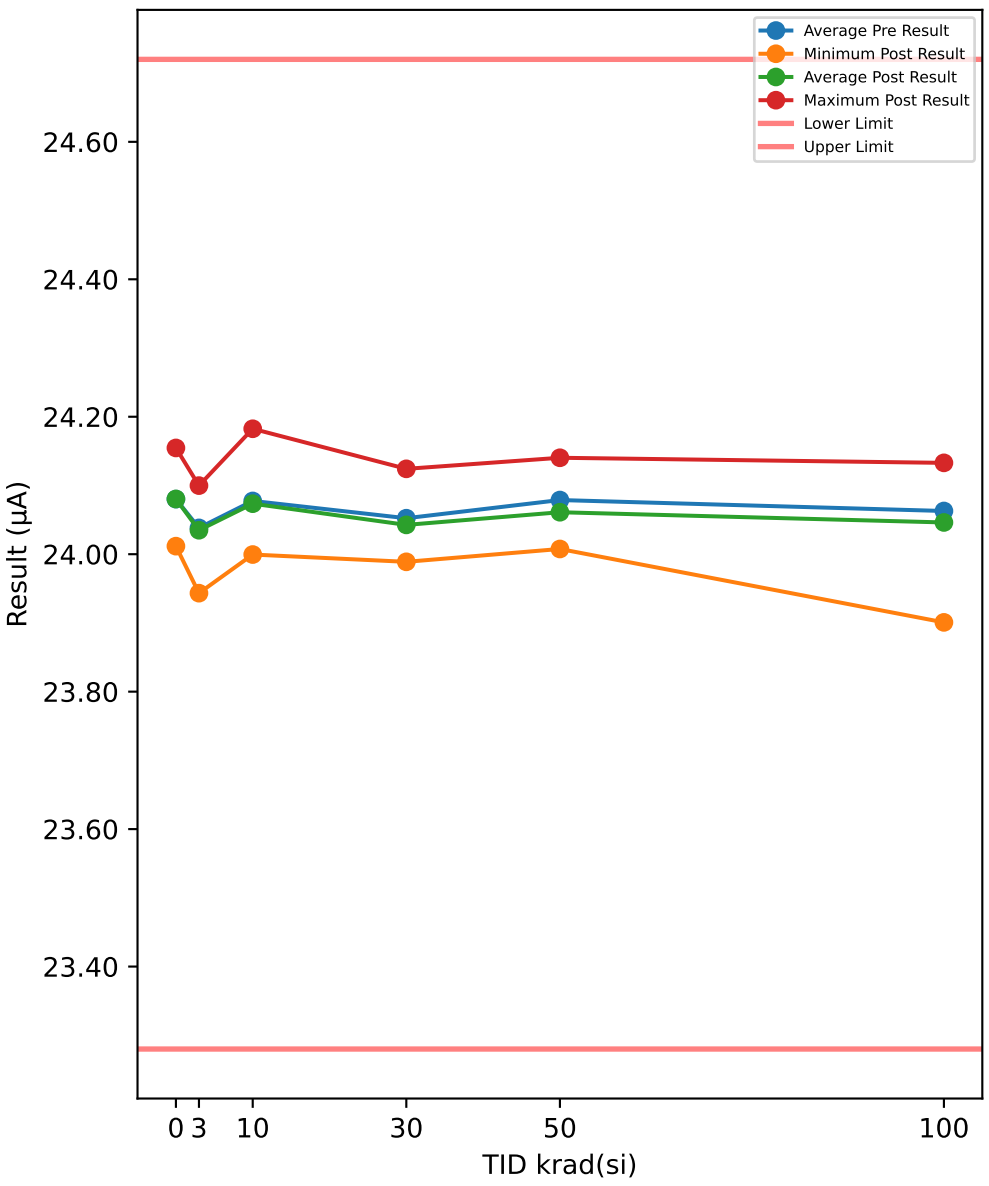


Test Statistics (µA)

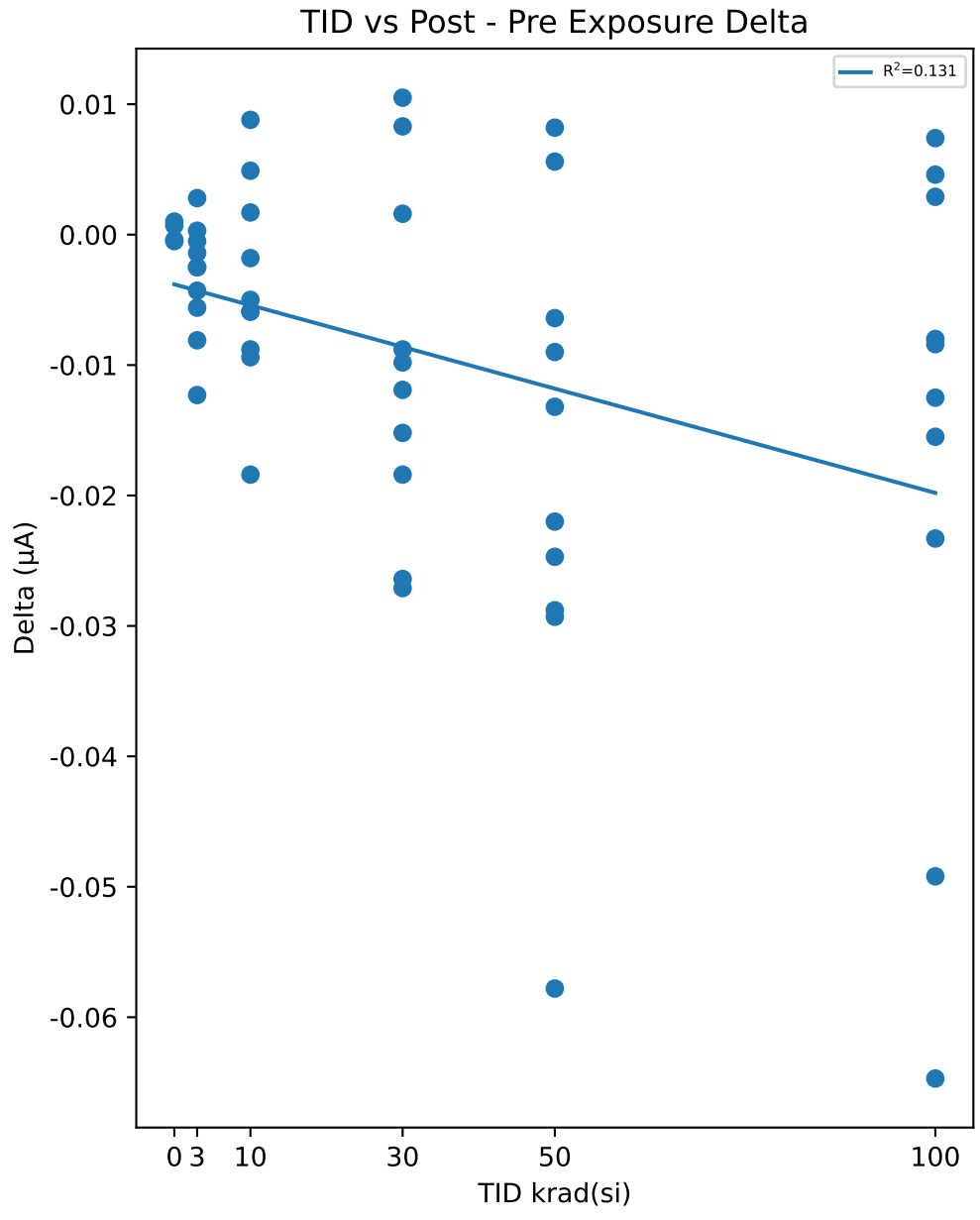
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	24.022	24.063	24.112	0.043248	24.02	24.062	24.112	0.044982	-0.0025	-0.00075	0.0015	0.0019689
3	23.946	24.023	24.083	0.045592	23.939	24.019	24.082	0.046741	-0.0123	-0.00427	0.0009	0.0043574
10	23.944	24.054	24.141	0.063447	23.95	24.047	24.131	0.062258	-0.026	-0.00637	0.0053	0.0087862
30	23.967	24.031	24.08	0.037294	23.958	24.02	24.053	0.031771	-0.0278	-0.01089	0.0116	0.013093
50	23.953	24.039	24.104	0.047846	23.954	24.018	24.107	0.054865	-0.0569	-0.02114	0.0024	0.018611
100	23.941	24.021	24.105	0.049987	23.886	24	24.086	0.060929	-0.0726	-0.0213	0.0003	0.023363

Device Test: 6.27; IHYS

TID vs Result Stats



TID vs Post - Pre Exposure Delta



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

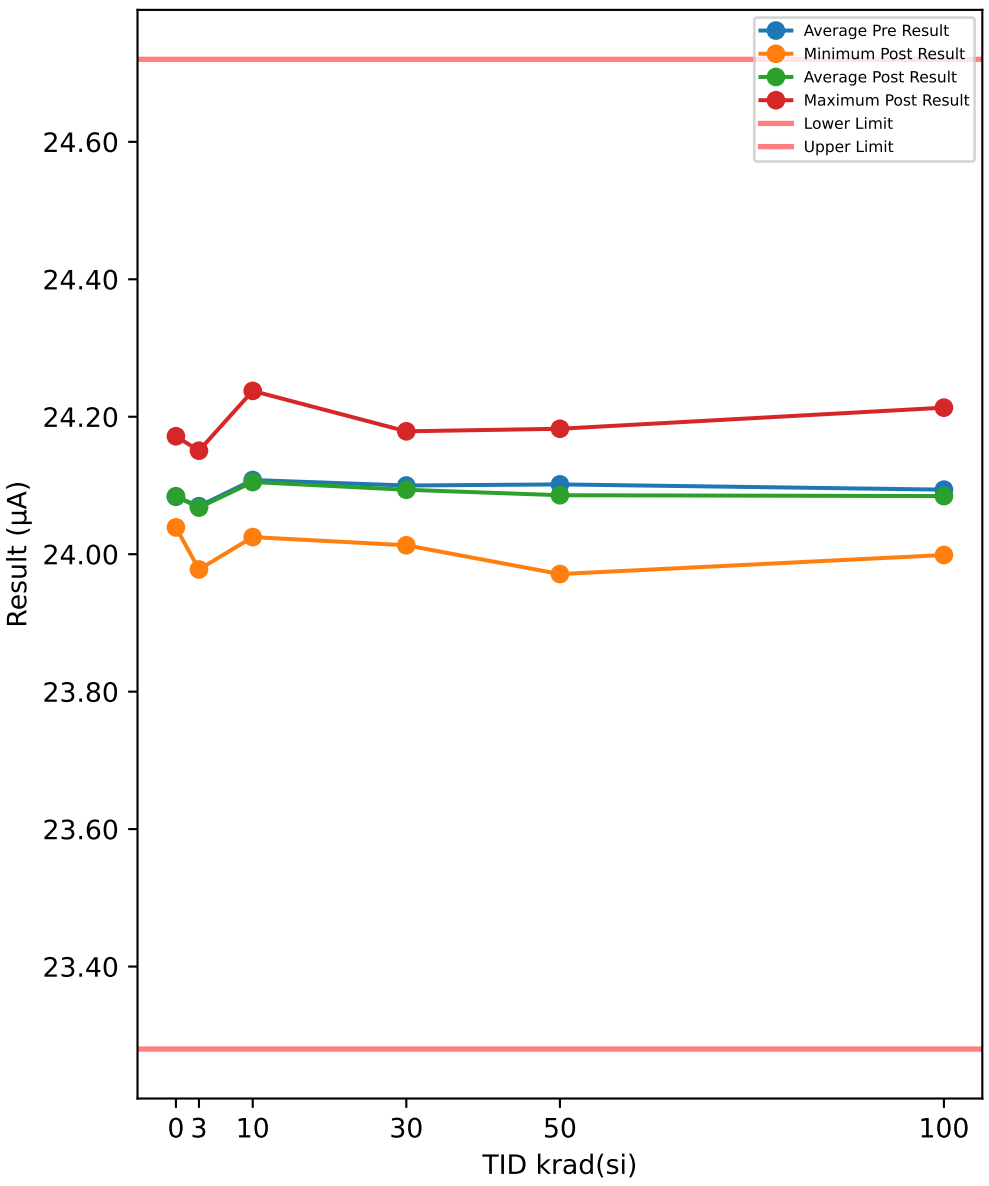
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	24.048	24.036	-0.0123
3	3	Biased	24.043	24.041	-0.0014
4	3	Biased	24.062	24.057	-0.0043
5	3	Biased	24.047	24.047	0.0003
6	3	Biased	23.941	23.943	0.0028
7	3	Unbiased	24.06	24.06	-0.0005
8	3	Unbiased	24.105	24.1	-0.0056
9	3	Unbiased	24.052	24.05	-0.0025
10	3	Unbiased	24.034	24.032	-0.0025
11	3	Unbiased	23.991	23.983	-0.0081
12	10	Unbiased	24.012	24.021	0.0088
13	10	Unbiased	24.044	24.038	-0.0059
14	10	Unbiased	24.031	24.033	0.0017
15	10	Unbiased	24.191	24.183	-0.0088
16	10	Unbiased	24.009	24.003	-0.0059
17	10	Biased	24.165	24.147	-0.0184
18	10	Biased	24.05	24.048	-0.0018
19	10	Biased	24.172	24.177	0.0049
20	10	Biased	24.009	24	-0.0094
21	10	Biased	24.091	24.086	-0.005
22	30	Biased	24.034	24.016	-0.0184
23	30	Biased	24.026	24.01	-0.0152
24	30	Biased	24.11	24.084	-0.0264
25	30	Biased	24.046	24.048	0.0016
26	30	Biased	24.133	24.124	-0.0088
27	30	Unbiased	24.06	24.048	-0.0119
28	30	Unbiased	24.06	24.05	-0.0098
29	30	Unbiased	23.984	23.995	0.0105
30	30	Unbiased	24.016	23.989	-0.0271
31	30	Unbiased	24.054	24.062	0.0083
32	50	Biased	24.086	24.064	-0.022
33	50	Biased	24.08	24.051	-0.0288
34	50	Biased	24.017	24.008	-0.009
35	50	Biased	24.043	24.048	0.0056
36	50	Biased	24.061	24.032	-0.0293
37	50	Unbiased	24.083	24.025	-0.0578
39	50	Unbiased	24.079	24.055	-0.0247
40	50	Unbiased	24.113	24.121	0.0082
41	50	Unbiased	24.154	24.14	-0.0132
42	50	Unbiased	24.073	24.066	-0.0064
43	100	Biased	24.108	24.116	0.0074
44	100	Biased	24.078	24.062	-0.0155
45	100	Biased	24.069	24.06	-0.0084
46	100	Biased	23.965	23.901	-0.0647
47	100	Biased	24.055	24.032	-0.0233
48	100	Unbiased	24.042	23.992	-0.0492
49	100	Unbiased	24.017	24.005	-0.0125
50	100	Unbiased	24.101	24.103	0.0029
51	100	Unbiased	24.141	24.133	-0.008
52	100	Unbiased	24.053	24.058	0.0046
53	0	Correlation	24.078	24.077	-0.0005
54	0	Correlation	24.011	24.012	0.001
55	0	Correlation	24.155	24.155	-0.0004
56	0	Correlation	24.077	24.078	0.0007

Test Statistics (µA)

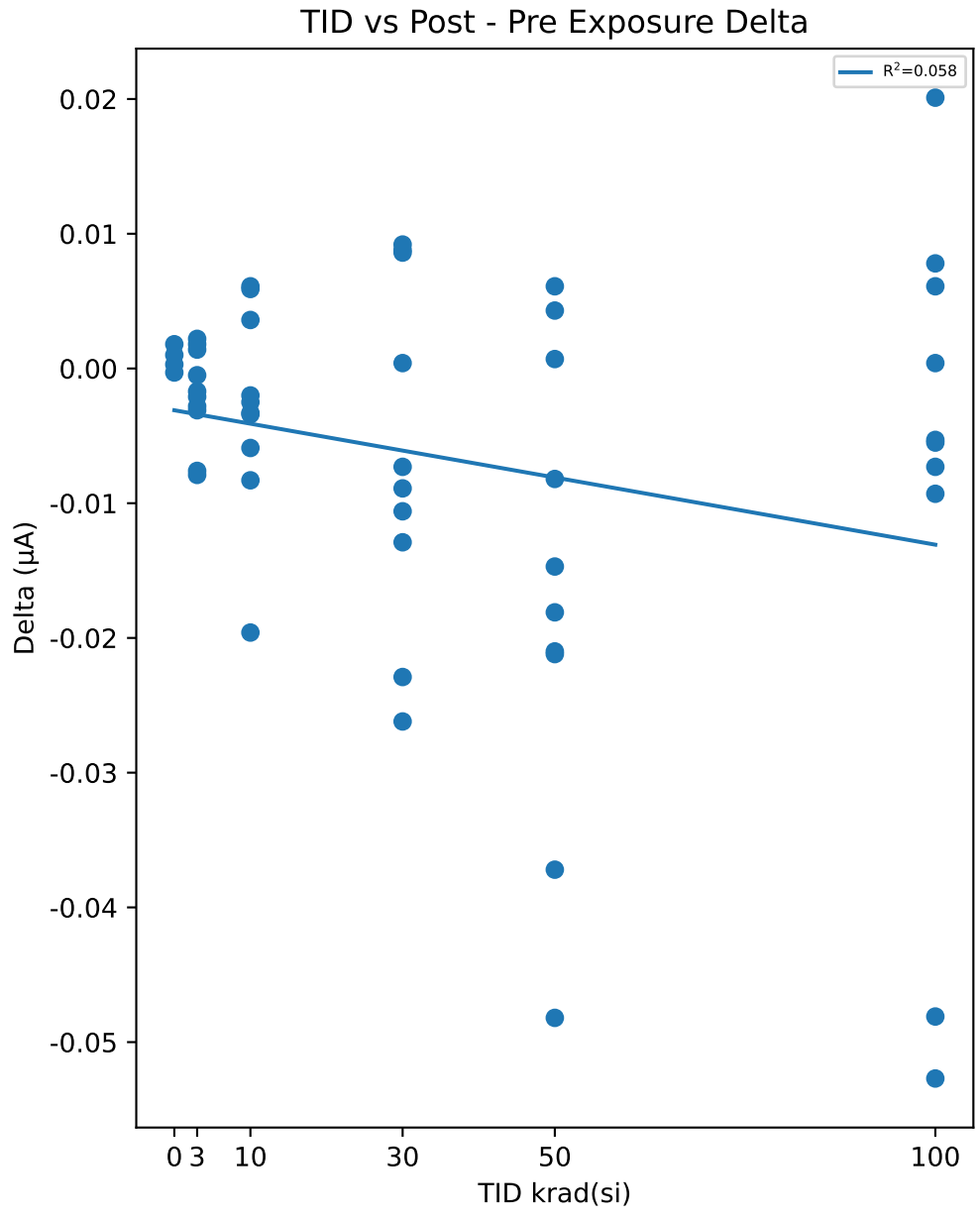
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	24.011	24.08	24.155	0.058993	24.012	24.08	24.155	0.058429	-0.0005	0.0002	0.001	0.00076158
3	23.941	24.038	24.105	0.044406	23.943	24.035	24.1	0.043292	-0.0123	-0.00341	0.0028	0.0043857
10	24.009	24.077	24.191	0.072541	24	24.073	24.183	0.070512	-0.0184	-0.00398	0.0088	0.0078042
30	23.984	24.052	24.133	0.043473	23.989	24.043	24.124	0.041884	-0.0271	-0.00972	0.0105	0.013136
50	24.017	24.079	24.154	0.037042	24.008	24.061	24.14	0.041171	-0.0578	-0.01774	0.0082	0.019352
100	23.965	24.063	24.141	0.049432	23.901	24.046	24.133	0.068446	-0.0647	-0.01667	0.0074	0.023537

Device Test: 6.28; IHYS

TID vs Result Stats



TID vs Post - Pre Exposure Delta



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

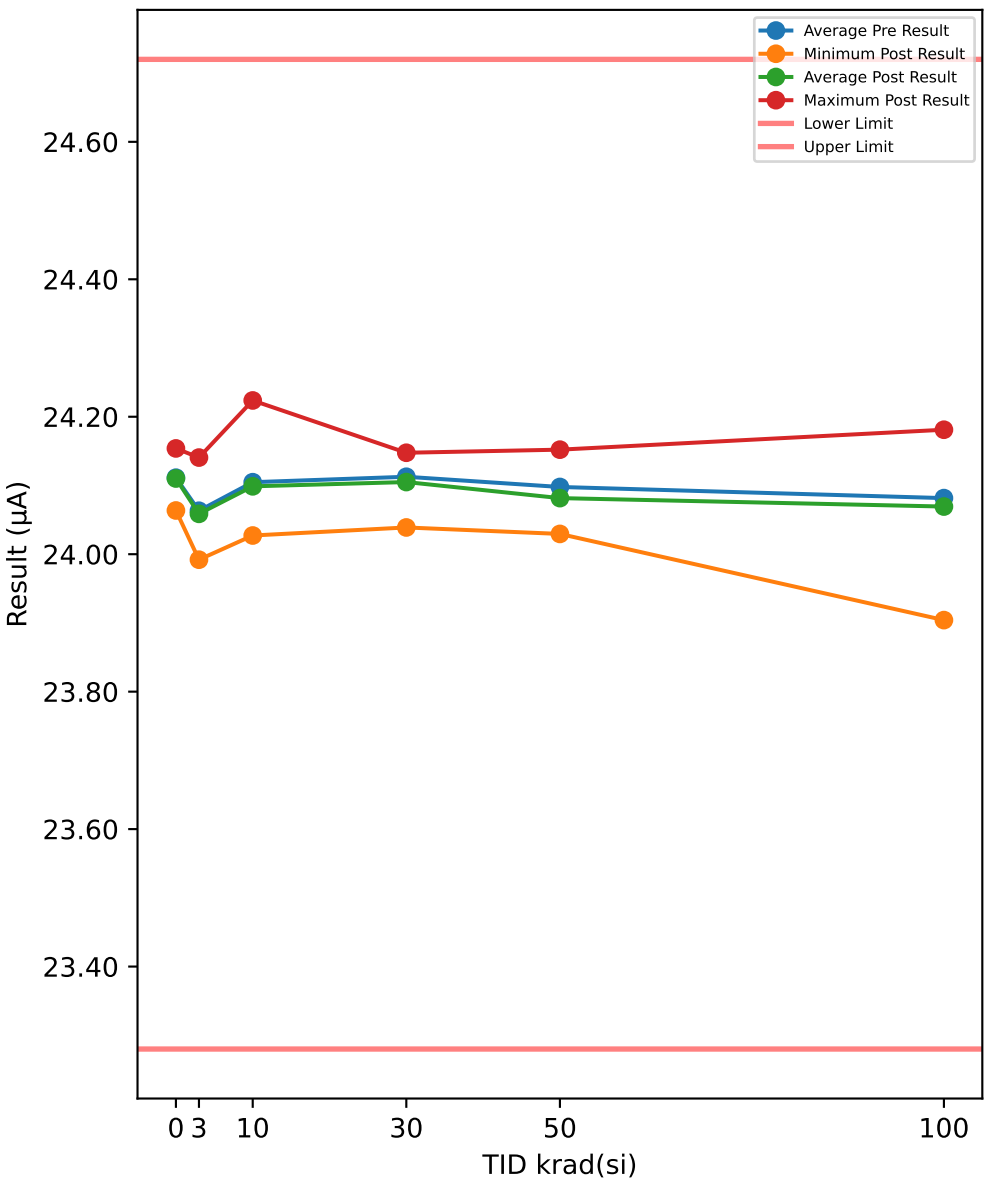
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	24.115	24.108	-0.0076
3	3	Biased	24.087	24.088	0.0014
4	3	Biased	24.043	24.041	-0.0021
5	3	Biased	24.087	24.089	0.0018
6	3	Biased	24.058	24.061	0.0022
7	3	Unbiased	24.043	24.042	-0.0005
8	3	Unbiased	24.091	24.088	-0.0031
9	3	Unbiased	24.153	24.151	-0.0028
10	3	Unbiased	24.033	24.032	-0.0017
11	3	Unbiased	23.986	23.978	-0.0079
12	10	Unbiased	24.024	24.029	0.0059
13	10	Unbiased	24.077	24.073	-0.0034
14	10	Unbiased	24.059	24.063	0.0036
15	10	Unbiased	24.246	24.238	-0.0083
16	10	Unbiased	24.031	24.025	-0.0059
17	10	Biased	24.128	24.108	-0.0196
18	10	Biased	24.122	24.12	-0.002
19	10	Biased	24.152	24.158	0.0061
20	10	Biased	24.147	24.145	-0.0025
21	10	Biased	24.094	24.091	-0.0033
22	30	Biased	24.067	24.055	-0.0129
23	30	Biased	24.117	24.11	-0.0073
24	30	Biased	24.202	24.179	-0.0229
25	30	Biased	24.113	24.121	0.0088
26	30	Biased	24.063	24.063	0.0004
27	30	Unbiased	24.089	24.08	-0.0089
28	30	Unbiased	24.156	24.145	-0.0106
29	30	Unbiased	24.03	24.039	0.0086
30	30	Unbiased	24.039	24.013	-0.0262
31	30	Unbiased	24.123	24.133	0.0092
32	50	Biased	24.118	24.103	-0.0147
33	50	Biased	23.992	23.971	-0.0212
34	50	Biased	24.087	24.088	0.0007
35	50	Biased	24.056	24.061	0.0043
36	50	Biased	24.119	24.081	-0.0372
37	50	Unbiased	24.086	24.038	-0.0482
39	50	Unbiased	24.131	24.11	-0.021
40	50	Unbiased	24.132	24.138	0.0061
41	50	Unbiased	24.201	24.183	-0.0181
42	50	Unbiased	24.093	24.085	-0.0082
43	100	Biased	24.128	24.148	0.0201
44	100	Biased	24.175	24.176	0.0004
45	100	Biased	24.019	24.025	0.0061
46	100	Biased	24.052	23.999	-0.0527
47	100	Biased	24.028	24.023	-0.0053
48	100	Unbiased	24.105	24.057	-0.0481
49	100	Unbiased	24.011	24.005	-0.0055
50	100	Unbiased	24.205	24.213	0.0078
51	100	Unbiased	24.151	24.142	-0.0093
52	100	Unbiased	24.066	24.059	-0.0073
53	0	Correlation	24.048	24.05	0.0018
54	0	Correlation	24.039	24.039	-0.0003
55	0	Correlation	24.171	24.172	0.001
56	0	Correlation	24.076	24.077	0.0003

Test Statistics (µA)

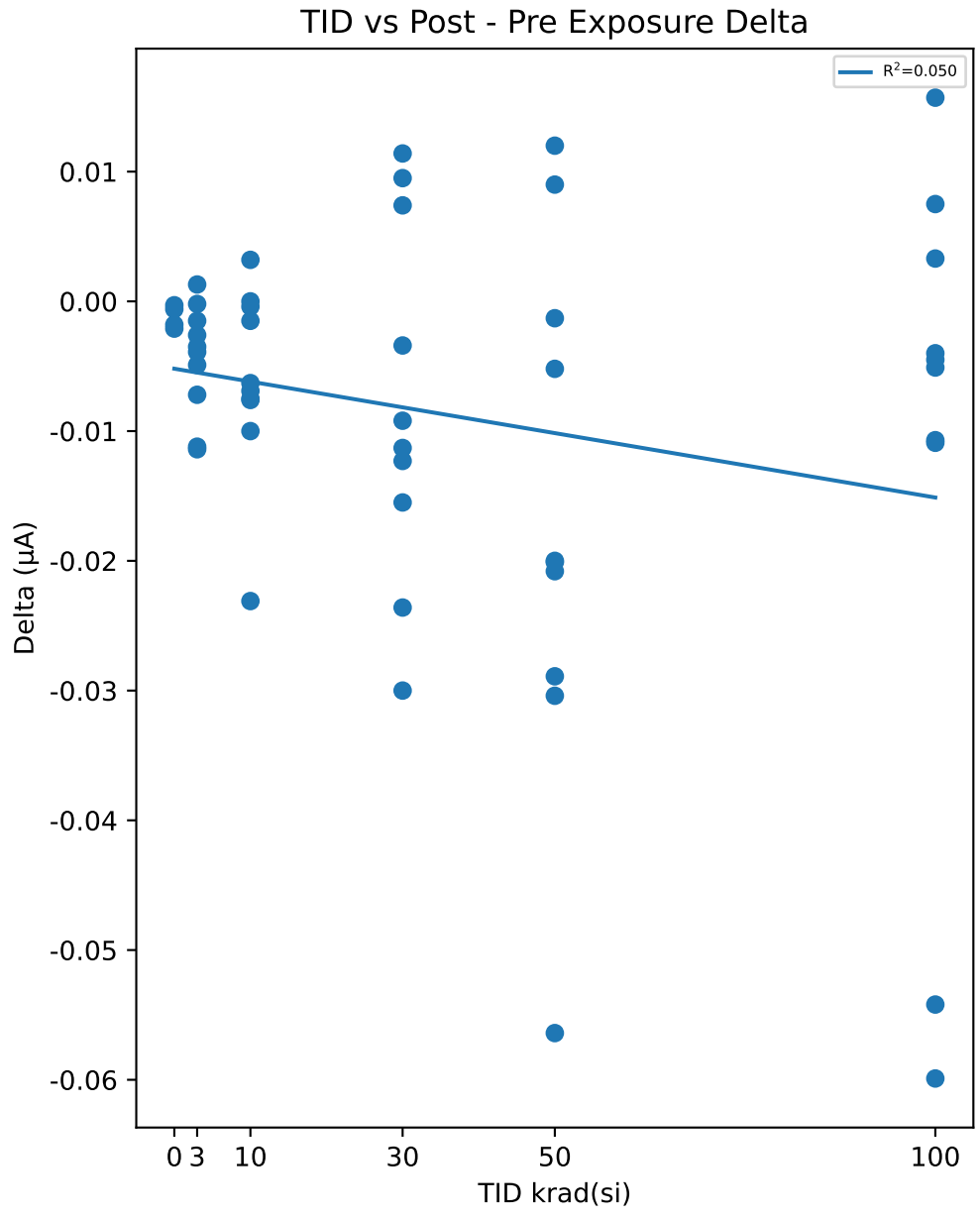
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	24.039	24.084	24.171	0.060105	24.039	24.084	24.172	0.060302	-0.0003	0.0007	0.0018	0.00090554
3	23.986	24.07	24.153	0.047261	23.978	24.068	24.151	0.047815	-0.0079	-0.00203	0.0022	0.003559
10	24.024	24.108	24.246	0.06641	24.025	24.105	24.238	0.064374	-0.0196	-0.00294	0.0061	0.0075946
30	24.03	24.1	24.202	0.053307	24.013	24.094	24.179	0.052276	-0.0262	-0.00618	0.0092	0.012808
50	23.992	24.102	24.201	0.054421	23.971	24.086	24.183	0.056836	-0.0482	-0.01575	0.0061	0.017588
100	24.011	24.094	24.205	0.069098	23.999	24.085	24.213	0.077838	-0.0527	-0.00938	0.0201	0.02336

Device Test: 6.29; IHYS

TID vs Result Stats



TID vs Post - Pre Exposure Delta



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

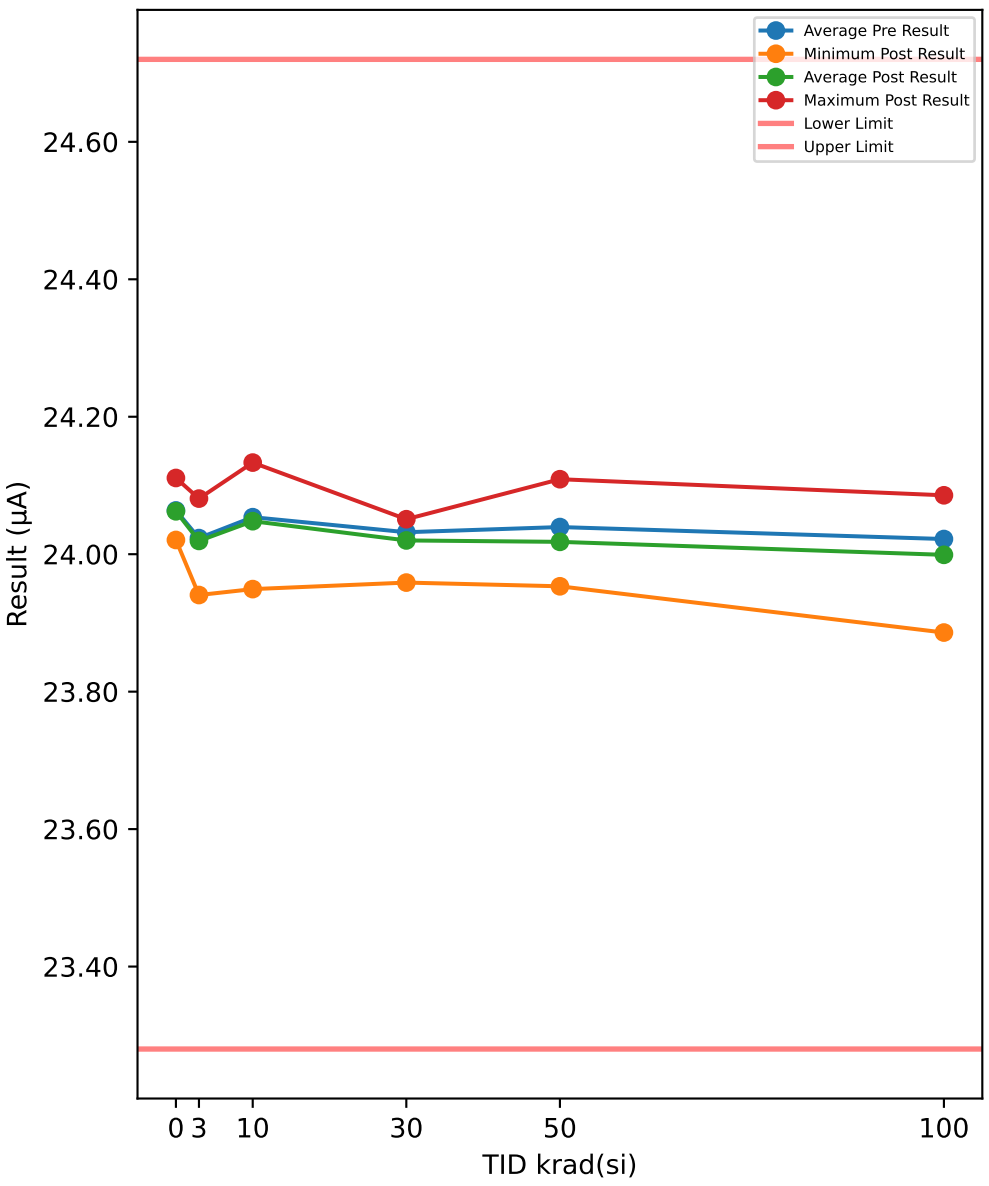
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	24.093	24.082	-0.0114
3	3	Biased	24.045	24.041	-0.0039
4	3	Biased	24.061	24.056	-0.0049
5	3	Biased	24.142	24.141	-0.0015
6	3	Biased	24.04	24.039	-0.0002
7	3	Unbiased	24.045	24.046	0.0013
8	3	Unbiased	24.096	24.089	-0.0072
9	3	Unbiased	24.113	24.109	-0.0035
10	3	Unbiased	23.995	23.992	-0.0026
11	3	Unbiased	24.004	23.993	-0.0112
12	10	Unbiased	24.043	24.043	0
13	10	Unbiased	24.087	24.079	-0.0075
14	10	Unbiased	24.047	24.05	0.0032
15	10	Unbiased	24.234	24.224	-0.01
16	10	Unbiased	24.034	24.027	-0.0063
17	10	Biased	24.074	24.051	-0.0231
18	10	Biased	24.135	24.134	-0.0015
19	10	Biased	24.183	24.183	-0.0004
20	10	Biased	24.121	24.114	-0.0069
21	10	Biased	24.09	24.083	-0.0076
22	30	Biased	24.13	24.115	-0.0155
23	30	Biased	24.061	24.048	-0.0123
24	30	Biased	24.146	24.123	-0.0236
25	30	Biased	24.121	24.129	0.0074
26	30	Biased	24.147	24.143	-0.0034
27	30	Unbiased	24.116	24.104	-0.0113
28	30	Unbiased	24.086	24.076	-0.0092
29	30	Unbiased	24.115	24.125	0.0095
30	30	Unbiased	24.069	24.039	-0.03
31	30	Unbiased	24.136	24.148	0.0114
32	50	Biased	24.084	24.064	-0.02
33	50	Biased	24.099	24.07	-0.0289
34	50	Biased	24.153	24.152	-0.0013
35	50	Biased	24.053	24.065	0.012
36	50	Biased	24.113	24.083	-0.0304
37	50	Unbiased	24.095	24.038	-0.0564
39	50	Unbiased	24.05	24.029	-0.0208
40	50	Unbiased	24.098	24.107	0.009
41	50	Unbiased	24.117	24.097	-0.0201
42	50	Unbiased	24.116	24.11	-0.0052
43	100	Biased	24.051	24.067	0.0157
44	100	Biased	24.098	24.087	-0.0107
45	100	Biased	24.041	24.049	0.0075
46	100	Biased	23.964	23.904	-0.0599
47	100	Biased	24.095	24.09	-0.004
48	100	Unbiased	24.048	23.993	-0.0542
49	100	Unbiased	24.065	24.054	-0.0109
50	100	Unbiased	24.16	24.164	0.0033
51	100	Unbiased	24.186	24.181	-0.0045
52	100	Unbiased	24.108	24.103	-0.0051
53	0	Correlation	24.113	24.11	-0.0021
54	0	Correlation	24.064	24.064	-0.0006
55	0	Correlation	24.113	24.113	-0.0003
56	0	Correlation	24.156	24.154	-0.0018

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	24.064	24.111	24.156	0.037389	24.064	24.11	24.154	0.03691	-0.0021	-0.0012	-0.0003	0.00088318
3	23.995	24.063	24.142	0.047292	23.992	24.059	24.141	0.047578	-0.0114	-0.00451	0.0013	0.0042953
10	24.034	24.105	24.234	0.064727	24.027	24.099	24.224	0.06468	-0.0231	-0.00601	0.0032	0.0073513
30	24.061	24.113	24.147	0.03095	24.039	24.105	24.148	0.038092	-0.03	-0.0077	0.0114	0.013962
50	24.05	24.098	24.153	0.030763	24.029	24.082	24.152	0.036561	-0.0564	-0.01621	0.012	0.020556
100	23.964	24.082	24.186	0.063221	23.904	24.069	24.181	0.079607	-0.0599	-0.01228	0.0157	0.025004

Device Test: 6.30; IHYS

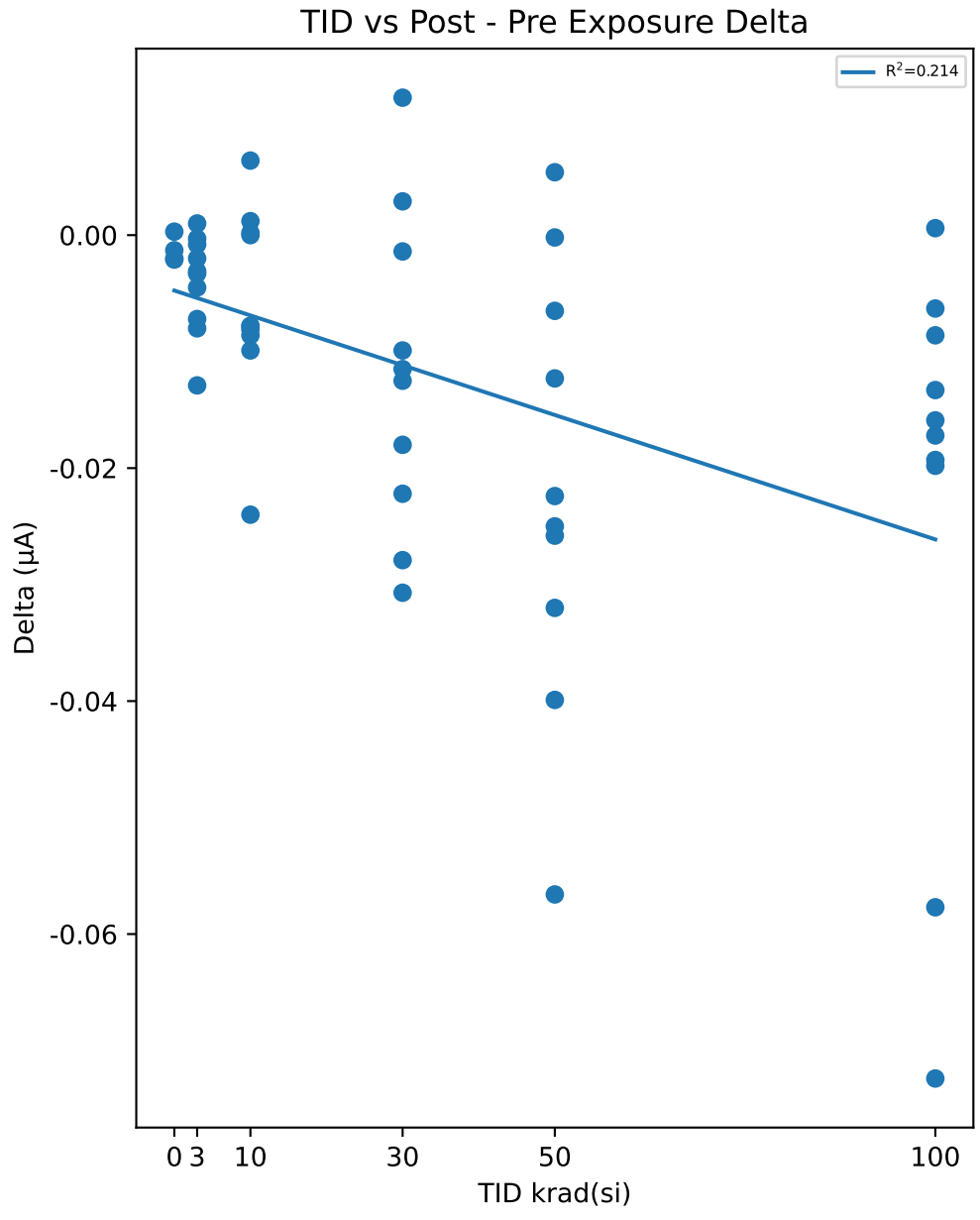
TID vs Result Stats



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

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	24.068	24.055	-0.0129
3	3	Biased	24.046	24.045	-0.0003
4	3	Biased	24.008	24.004	-0.0045
5	3	Biased	24.083	24.081	-0.002
6	3	Biased	24.044	24.045	0.001
7	3	Unbiased	24.041	24.04	-0.0008
8	3	Unbiased	24.011	24.004	-0.0072
9	3	Unbiased	24.037	24.034	-0.0033
10	3	Unbiased	23.948	23.945	-0.0031
11	3	Unbiased	23.949	23.941	-0.008
12	10	Unbiased	23.943	23.949	0.0064
13	10	Unbiased	24.128	24.12	-0.0081
14	10	Unbiased	24.045	24.046	0.0012
15	10	Unbiased	24.142	24.133	-0.0086
16	10	Unbiased	24.006	23.998	-0.0078
17	10	Biased	24.05	24.026	-0.024
18	10	Biased	24.069	24.069	0.0002
19	10	Biased	24.126	24.126	0
20	10	Biased	24.031	24.021	-0.0099
21	10	Biased	23.999	23.991	-0.0078
22	30	Biased	24.042	24.02	-0.0222
23	30	Biased	23.977	23.959	-0.018
24	30	Biased	24.082	24.051	-0.0307
25	30	Biased	24.05	24.049	-0.0014
26	30	Biased	24.016	24.004	-0.0125
27	30	Unbiased	24.062	24.05	-0.0115
28	30	Unbiased	24.046	24.036	-0.0099
29	30	Unbiased	23.968	23.98	0.0118
30	30	Unbiased	24.059	24.031	-0.0279
31	30	Unbiased	24.018	24.021	0.0029
32	50	Biased	24.008	23.983	-0.025
33	50	Biased	24.026	23.994	-0.032
34	50	Biased	24.106	24.094	-0.0123
35	50	Biased	23.953	23.953	-0.0002
36	50	Biased	24.004	23.964	-0.0399
37	50	Unbiased	24.024	23.968	-0.0566
39	50	Unbiased	24.082	24.06	-0.0224
40	50	Unbiased	24.104	24.109	0.0054
41	50	Unbiased	24.054	24.028	-0.0258
42	50	Unbiased	24.034	24.027	-0.0065
43	100	Biased	23.996	23.996	0.0006
44	100	Biased	24.105	24.086	-0.0193
45	100	Biased	23.942	23.926	-0.0159
46	100	Biased	23.958	23.886	-0.0724
47	100	Biased	24.028	24.008	-0.0198
48	100	Unbiased	24.02	23.963	-0.0577
49	100	Unbiased	24.061	24.044	-0.0172
50	100	Unbiased	23.999	23.992	-0.0063
51	100	Unbiased	24.065	24.052	-0.0133
52	100	Unbiased	24.047	24.038	-0.0086
53	0	Correlation	24.031	24.029	-0.0013
54	0	Correlation	24.113	24.111	-0.0021
55	0	Correlation	24.088	24.089	0.0003
56	0	Correlation	24.023	24.021	-0.002

TID vs Post - Pre Exposure Delta

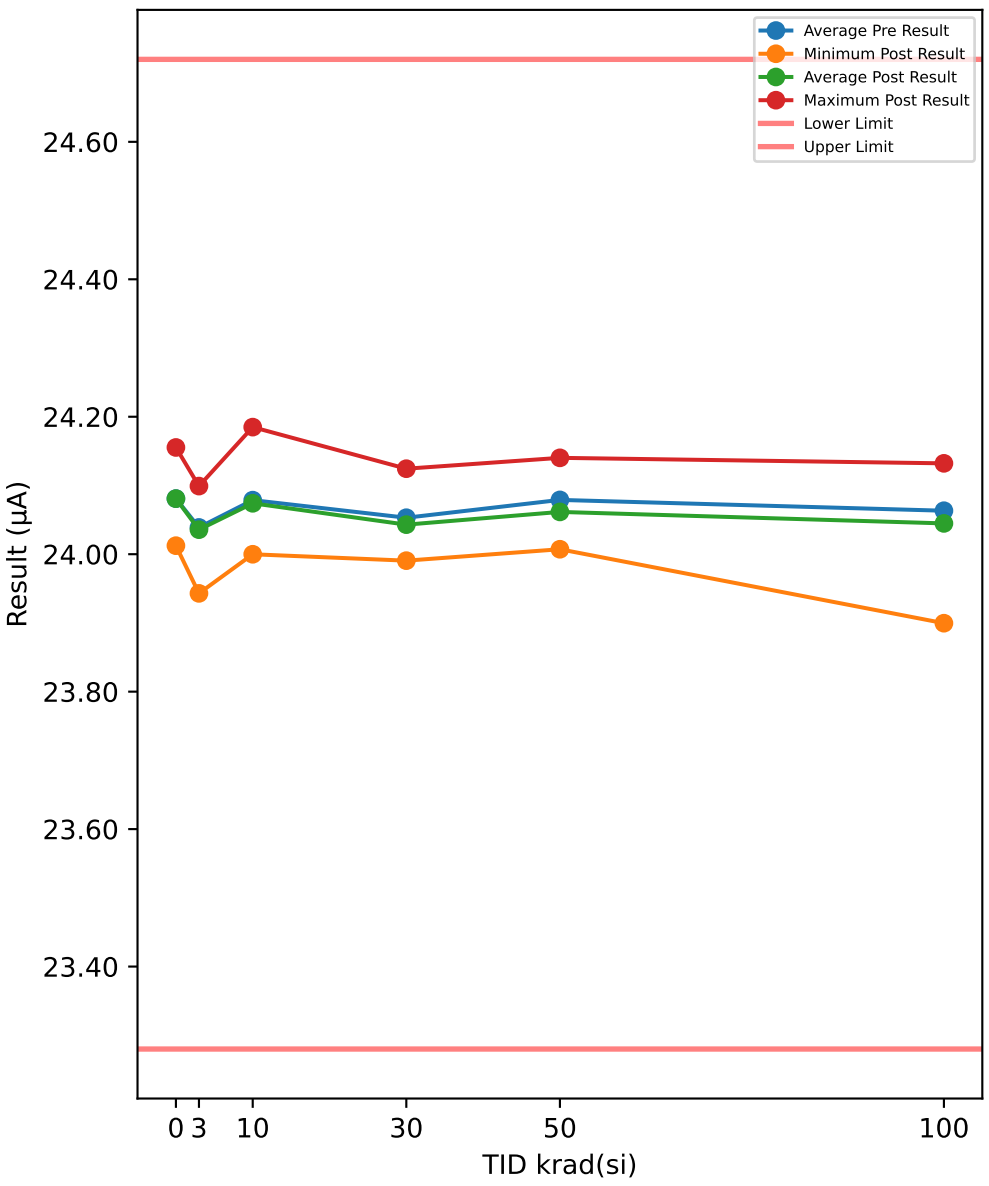


Test Statistics (µA)

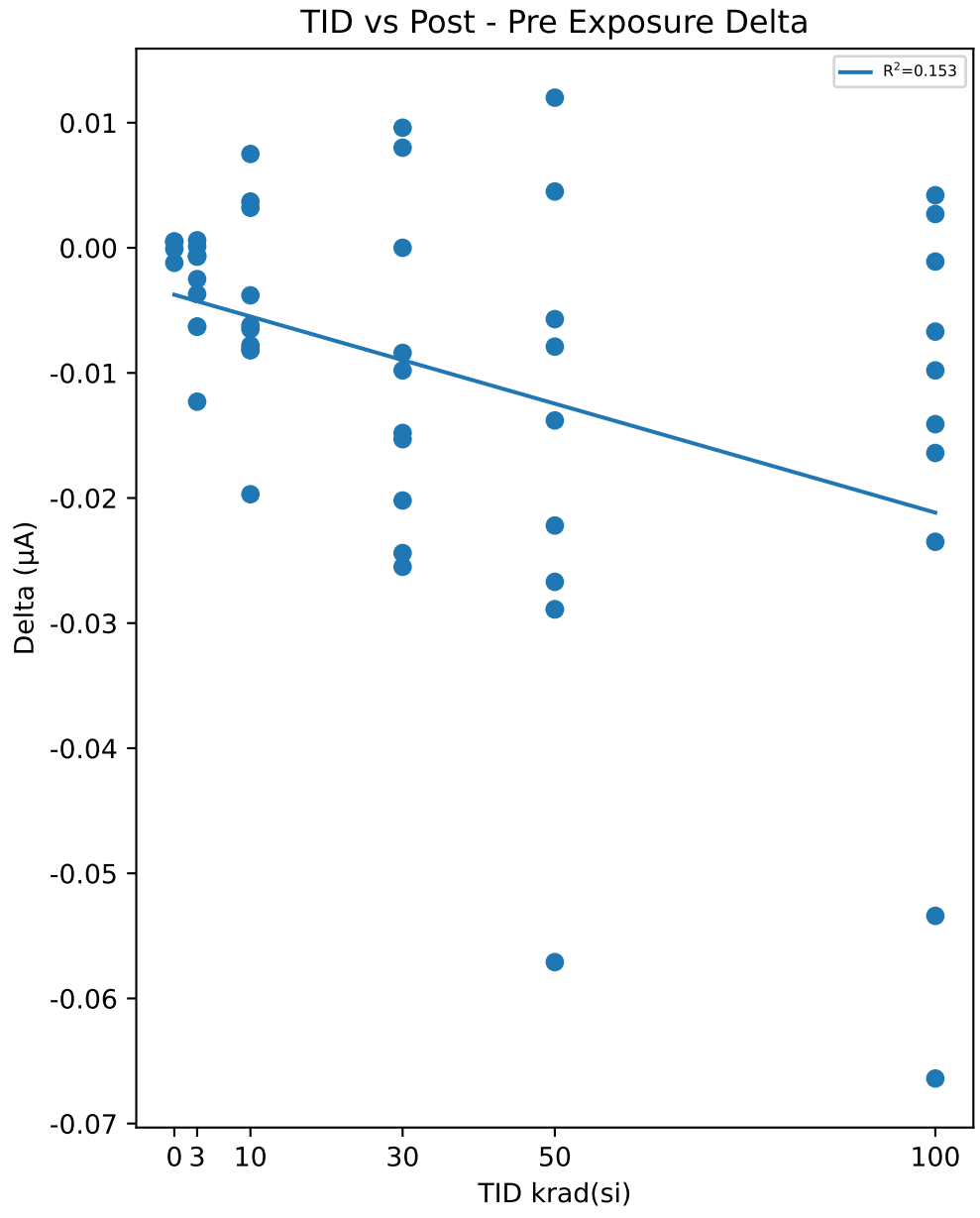
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	24.023	24.064	24.113	0.044035	24.021	24.062	24.111	0.044266	-0.0021	-0.001275	0.0003	0.0011087
3	23.948	24.023	24.083	0.045404	23.941	24.019	24.081	0.046201	-0.0129	-0.00411	0.001	0.0042139
10	23.943	24.054	24.142	0.064021	23.949	24.048	24.133	0.062888	-0.024	-0.00584	0.0064	0.0084106
30	23.968	24.032	24.082	0.037029	23.959	24.02	24.051	0.031201	-0.0307	-0.01194	0.0118	0.013533
50	23.953	24.039	24.106	0.047965	23.953	24.018	24.109	0.055208	-0.0566	-0.02153	0.0054	0.018854
100	23.942	24.022	24.105	0.05015	23.886	23.999	24.086	0.060931	-0.0724	-0.02299	0.0006	0.023309

Device Test: 6.31; IHYS

TID vs Result Stats



TID vs Post - Pre Exposure Delta



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

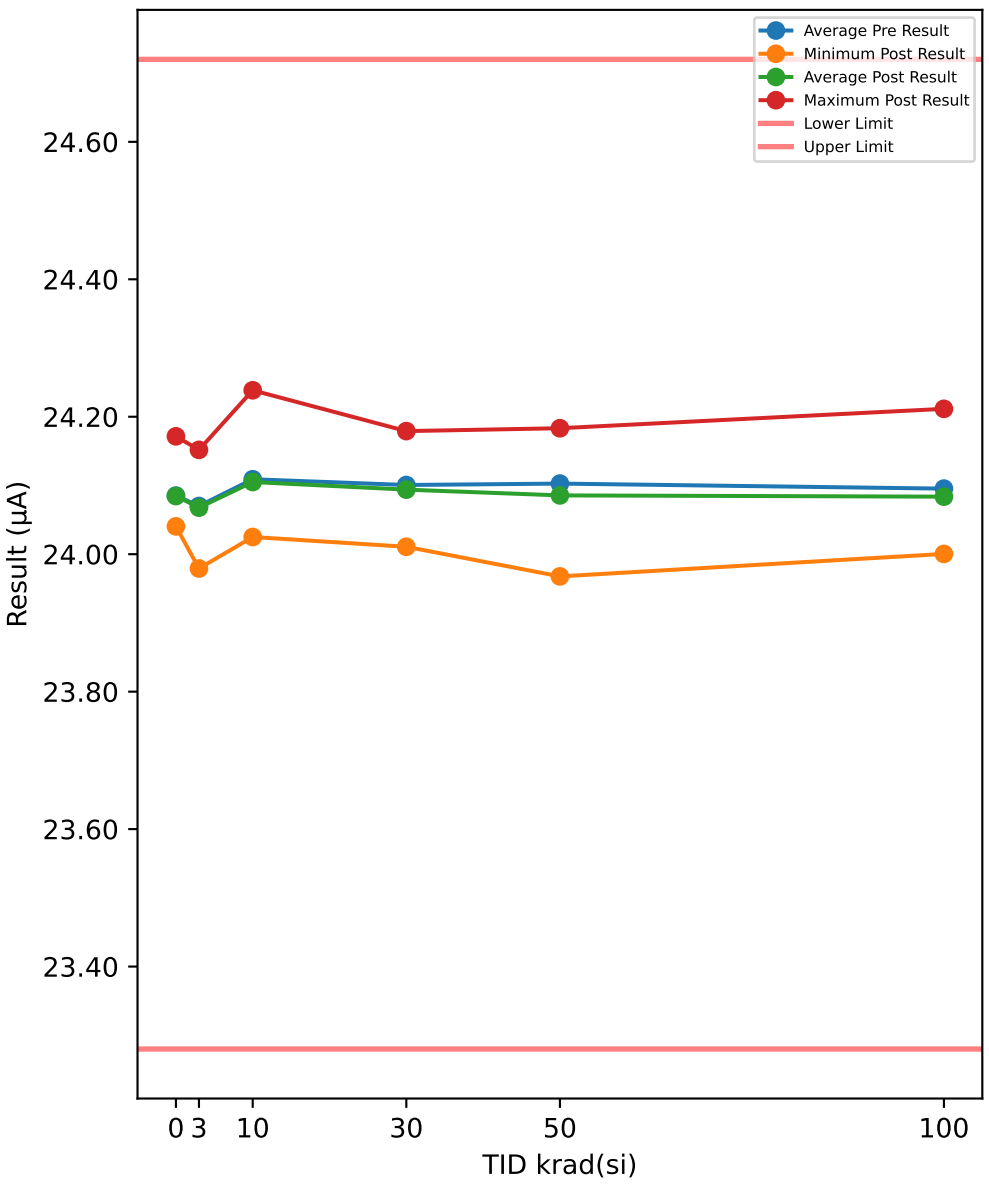
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	24.049	24.037	-0.0123
3	3	Biased	24.046	24.042	-0.0037
4	3	Biased	24.06	24.057	-0.0025
5	3	Biased	24.048	24.047	-0.0006
6	3	Biased	23.943	23.943	0.0001
7	3	Unbiased	24.06	24.061	0.0006
8	3	Unbiased	24.105	24.099	-0.0063
9	3	Unbiased	24.053	24.052	-0.0007
10	3	Unbiased	24.034	24.034	-0.0007
11	3	Unbiased	23.991	23.985	-0.0063
12	10	Unbiased	24.015	24.023	0.0075
13	10	Unbiased	24.046	24.04	-0.0062
14	10	Unbiased	24.03	24.033	0.0032
15	10	Unbiased	24.193	24.185	-0.0078
16	10	Unbiased	24.009	24.003	-0.0065
17	10	Biased	24.167	24.147	-0.0197
18	10	Biased	24.05	24.047	-0.0038
19	10	Biased	24.174	24.177	0.0037
20	10	Biased	24.008	24	-0.0082
21	10	Biased	24.094	24.086	-0.0081
22	30	Biased	24.036	24.016	-0.0202
23	30	Biased	24.026	24.01	-0.0153
24	30	Biased	24.11	24.085	-0.0255
25	30	Biased	24.049	24.049	0
26	30	Biased	24.134	24.124	-0.0098
27	30	Unbiased	24.063	24.048	-0.0148
28	30	Unbiased	24.058	24.05	-0.0084
29	30	Unbiased	23.986	23.994	0.008
30	30	Unbiased	24.015	23.991	-0.0244
31	30	Unbiased	24.054	24.064	0.0096
32	50	Biased	24.088	24.066	-0.0222
33	50	Biased	24.079	24.051	-0.0289
34	50	Biased	24.015	24.007	-0.0079
35	50	Biased	24.045	24.049	0.0045
36	50	Biased	24.062	24.033	-0.0289
37	50	Unbiased	24.083	24.026	-0.0571
39	50	Unbiased	24.082	24.055	-0.0267
40	50	Unbiased	24.111	24.123	0.012
41	50	Unbiased	24.154	24.14	-0.0138
42	50	Unbiased	24.071	24.065	-0.0057
43	100	Biased	24.11	24.114	0.0042
44	100	Biased	24.078	24.062	-0.0164
45	100	Biased	24.069	24.059	-0.0098
46	100	Biased	23.966	23.9	-0.0664
47	100	Biased	24.053	24.03	-0.0235
48	100	Unbiased	24.044	23.99	-0.0534
49	100	Unbiased	24.017	24.003	-0.0141
50	100	Unbiased	24.101	24.104	0.0027
51	100	Unbiased	24.139	24.132	-0.0067
52	100	Unbiased	24.055	24.054	-0.0011
53	0	Correlation	24.078	24.077	-0.0012
54	0	Correlation	24.012	24.012	0.0005
55	0	Correlation	24.155	24.155	-0.0001
56	0	Correlation	24.078	24.079	0.0005

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	24.012	24.081	24.155	0.05867	24.012	24.081	24.155	0.058451	-0.0012	-7.5e-05	0.0005	0.00080156
3	23.943	24.039	24.105	0.043822	23.943	24.036	24.099	0.043165	-0.0123	-0.00324	0.0006	0.0040462
10	24.008	24.079	24.193	0.073102	24	24.074	24.185	0.070908	-0.0197	-0.00459	0.0075	0.0077918
30	23.986	24.053	24.134	0.043437	23.991	24.043	24.124	0.041991	-0.0255	-0.01008	0.0096	0.012532
50	24.015	24.079	24.154	0.037077	24.007	24.062	24.14	0.041284	-0.0571	-0.01747	0.012	0.019816
100	23.966	24.063	24.139	0.049059	23.9	24.045	24.132	0.068685	-0.0664	-0.01845	0.0042	0.023673

Device Test: 6.32; IHYS

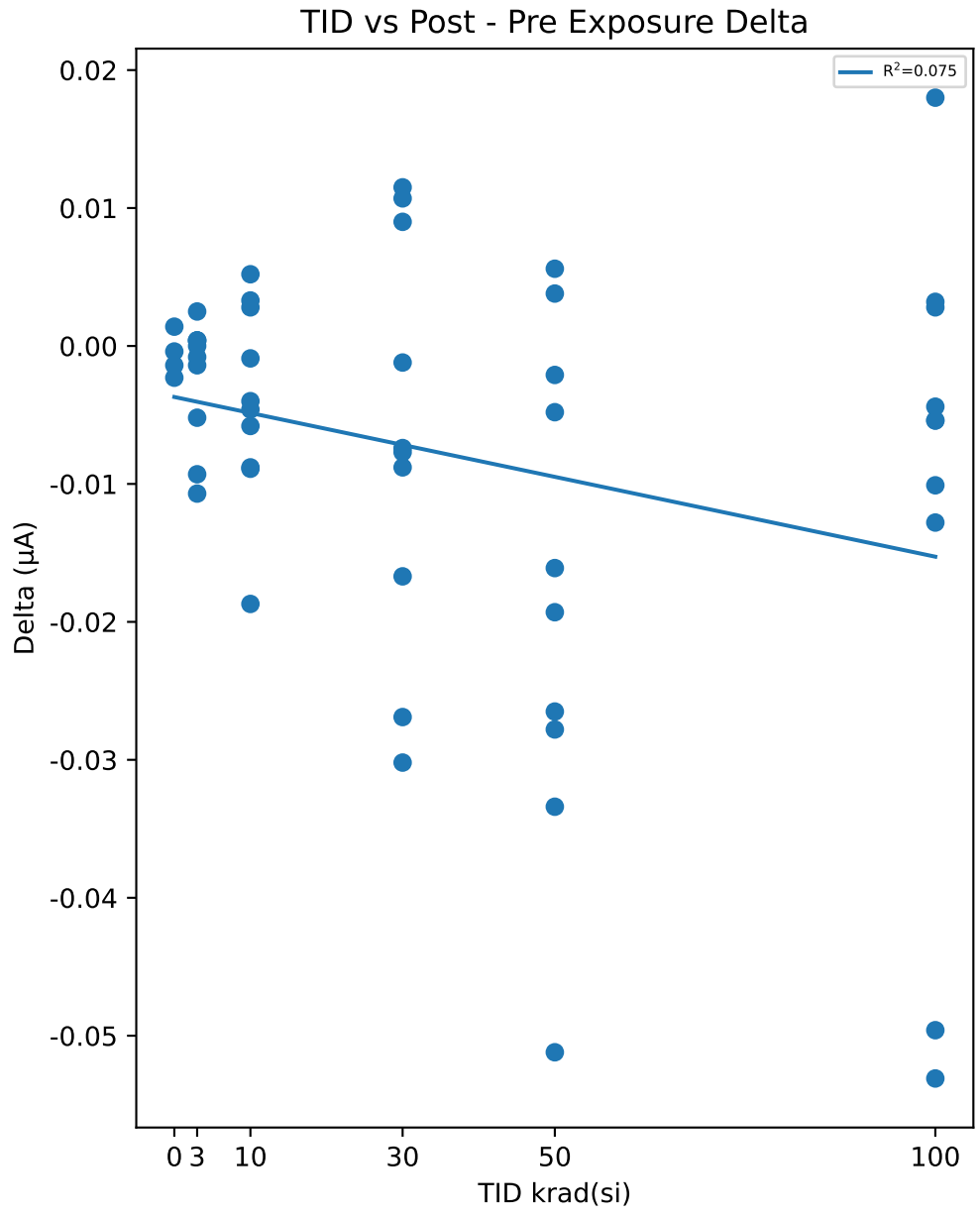
TID vs Result Stats



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

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	24.119	24.108	-0.0107
3	3	Biased	24.088	24.088	0
4	3	Biased	24.041	24.039	-0.0014
5	3	Biased	24.089	24.089	0.0004
6	3	Biased	24.059	24.059	0.0004
7	3	Unbiased	24.041	24.044	0.0025
8	3	Unbiased	24.092	24.087	-0.0052
9	3	Unbiased	24.153	24.152	-0.0008
10	3	Unbiased	24.032	24.032	0.0004
11	3	Unbiased	23.988	23.979	-0.0093
12	10	Unbiased	24.025	24.03	0.0052
13	10	Unbiased	24.078	24.074	-0.004
14	10	Unbiased	24.06	24.063	0.0028
15	10	Unbiased	24.247	24.238	-0.0088
16	10	Unbiased	24.034	24.025	-0.0089
17	10	Biased	24.127	24.109	-0.0187
18	10	Biased	24.119	24.118	-0.0009
19	10	Biased	24.153	24.157	0.0033
20	10	Biased	24.151	24.145	-0.0058
21	10	Biased	24.096	24.092	-0.0046
22	30	Biased	24.069	24.052	-0.0167
23	30	Biased	24.12	24.111	-0.0088
24	30	Biased	24.206	24.179	-0.0269
25	30	Biased	24.113	24.122	0.009
26	30	Biased	24.065	24.063	-0.0012
27	30	Unbiased	24.09	24.082	-0.0077
28	30	Unbiased	24.153	24.145	-0.0074
29	30	Unbiased	24.03	24.041	0.0107
30	30	Unbiased	24.041	24.011	-0.0302
31	30	Unbiased	24.121	24.133	0.0115
32	50	Biased	24.122	24.102	-0.0193
33	50	Biased	23.995	23.968	-0.0278
34	50	Biased	24.088	24.085	-0.0021
35	50	Biased	24.056	24.062	0.0056
36	50	Biased	24.118	24.084	-0.0334
37	50	Unbiased	24.089	24.038	-0.0512
39	50	Unbiased	24.135	24.109	-0.0265
40	50	Unbiased	24.134	24.137	0.0038
41	50	Unbiased	24.199	24.183	-0.0161
42	50	Unbiased	24.091	24.086	-0.0048
43	100	Biased	24.129	24.147	0.018
44	100	Biased	24.179	24.174	-0.0044
45	100	Biased	24.022	24.025	0.0032
46	100	Biased	24.053	24	-0.0531
47	100	Biased	24.027	24.021	-0.0054
48	100	Unbiased	24.105	24.055	-0.0496
49	100	Unbiased	24.009	24.004	-0.0054
50	100	Unbiased	24.209	24.212	0.0028
51	100	Unbiased	24.154	24.141	-0.0128
52	100	Unbiased	24.067	24.057	-0.0101
53	0	Correlation	24.052	24.05	-0.0014
54	0	Correlation	24.039	24.041	0.0014
55	0	Correlation	24.172	24.172	-0.0004
56	0	Correlation	24.078	24.076	-0.0023

TID vs Post - Pre Exposure Delta

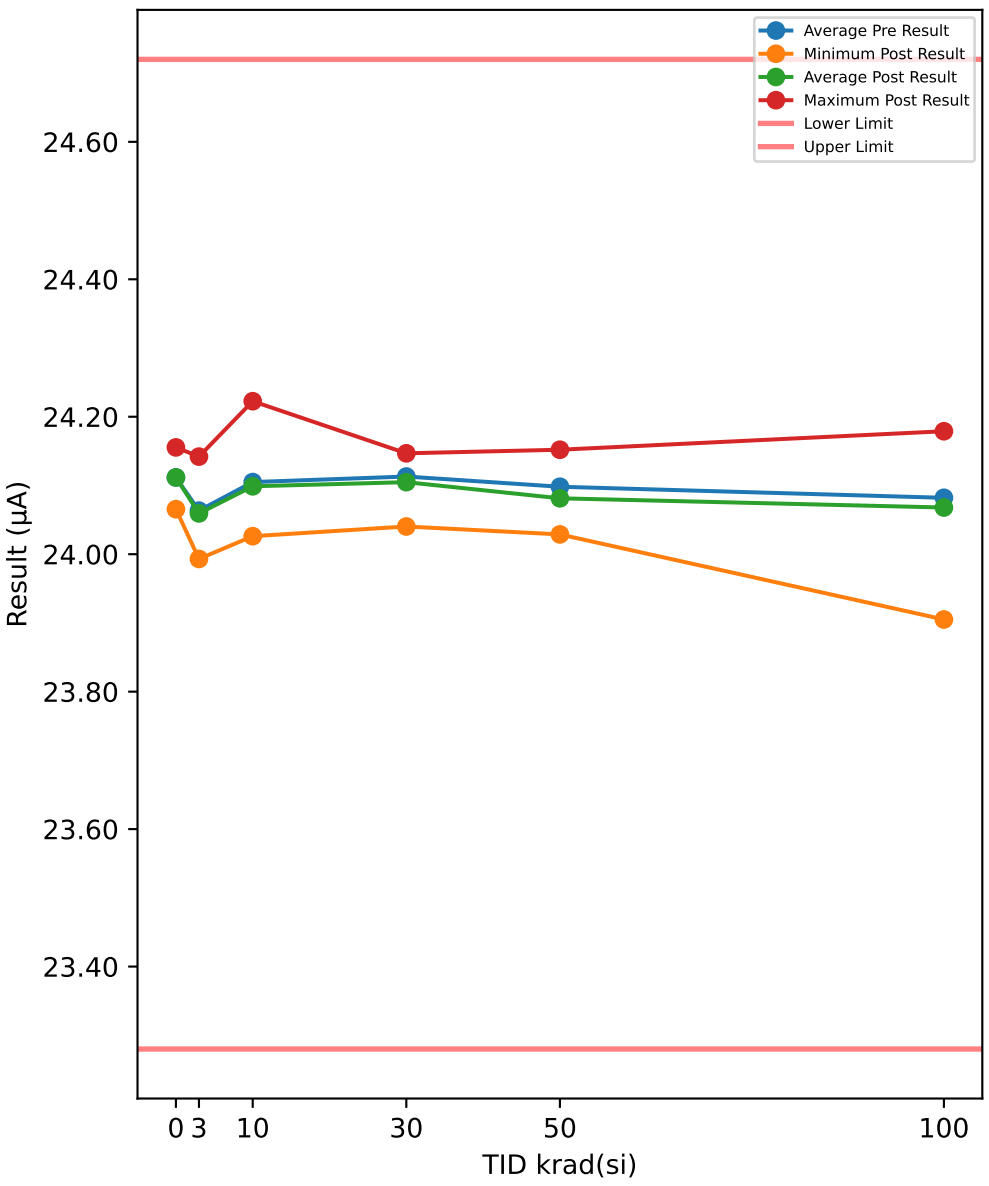


Test Statistics (µA)

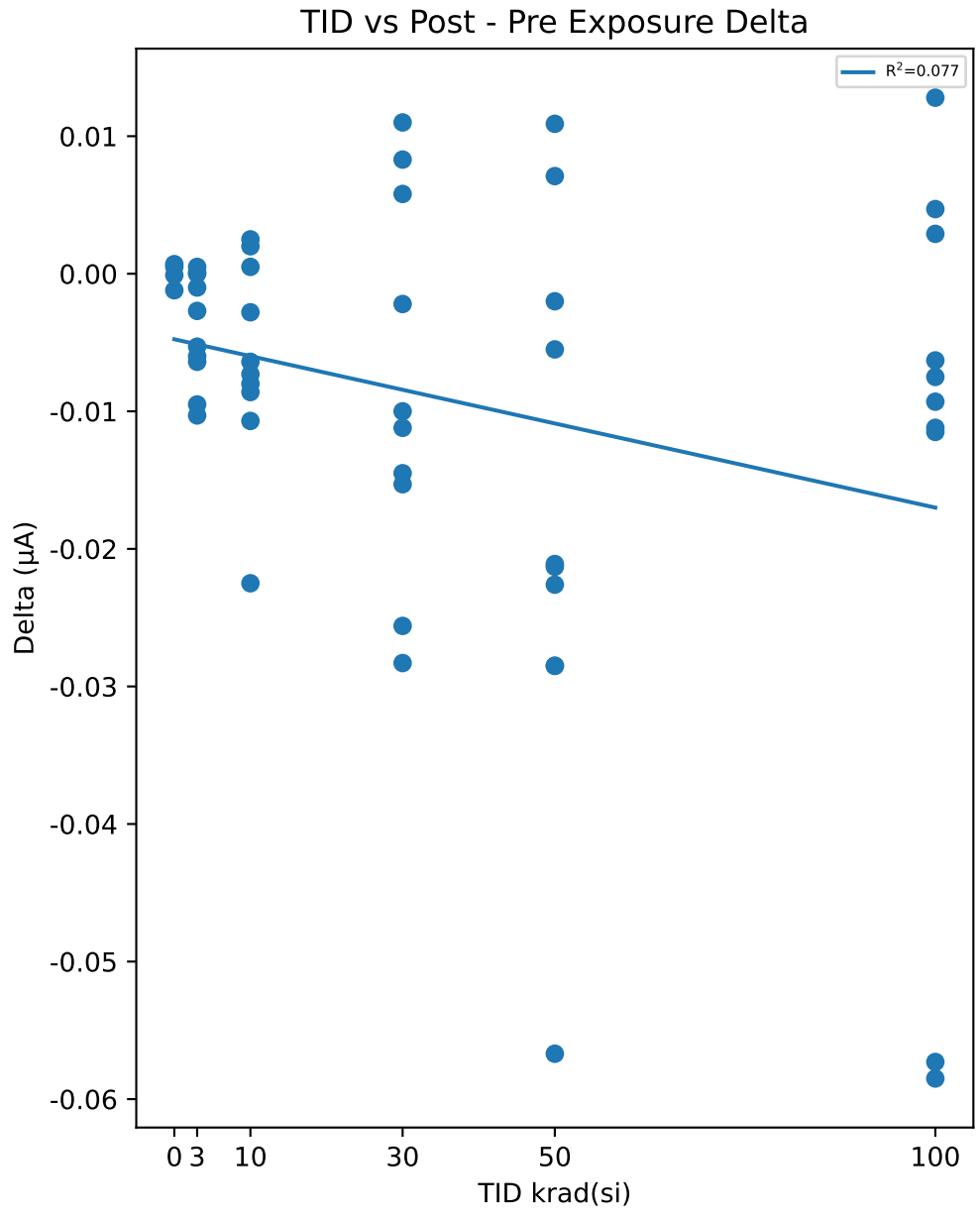
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	24.039	24.085	24.172	0.060015	24.041	24.085	24.172	0.059833	-0.0023	-0.000675	0.0014	0.0015861
3	23.988	24.07	24.153	0.047405	23.979	24.068	24.152	0.04766	-0.0107	-0.00237	0.0025	0.0044868
10	24.025	24.109	24.247	0.066241	24.025	24.105	24.238	0.064277	-0.0187	-0.00404	0.0052	0.0071531
30	24.03	24.101	24.206	0.053413	24.011	24.094	24.179	0.052692	-0.0302	-0.00677	0.0115	0.014821
50	23.995	24.103	24.199	0.053889	23.968	24.086	24.183	0.057517	-0.0512	-0.01718	0.0056	0.018152
100	24.009	24.095	24.209	0.070354	24	24.084	24.212	0.077515	-0.0531	-0.01168	0.018	0.022611

Device Test: 6.33; IHYS

TID vs Result Stats



TID vs Post - Pre Exposure Delta



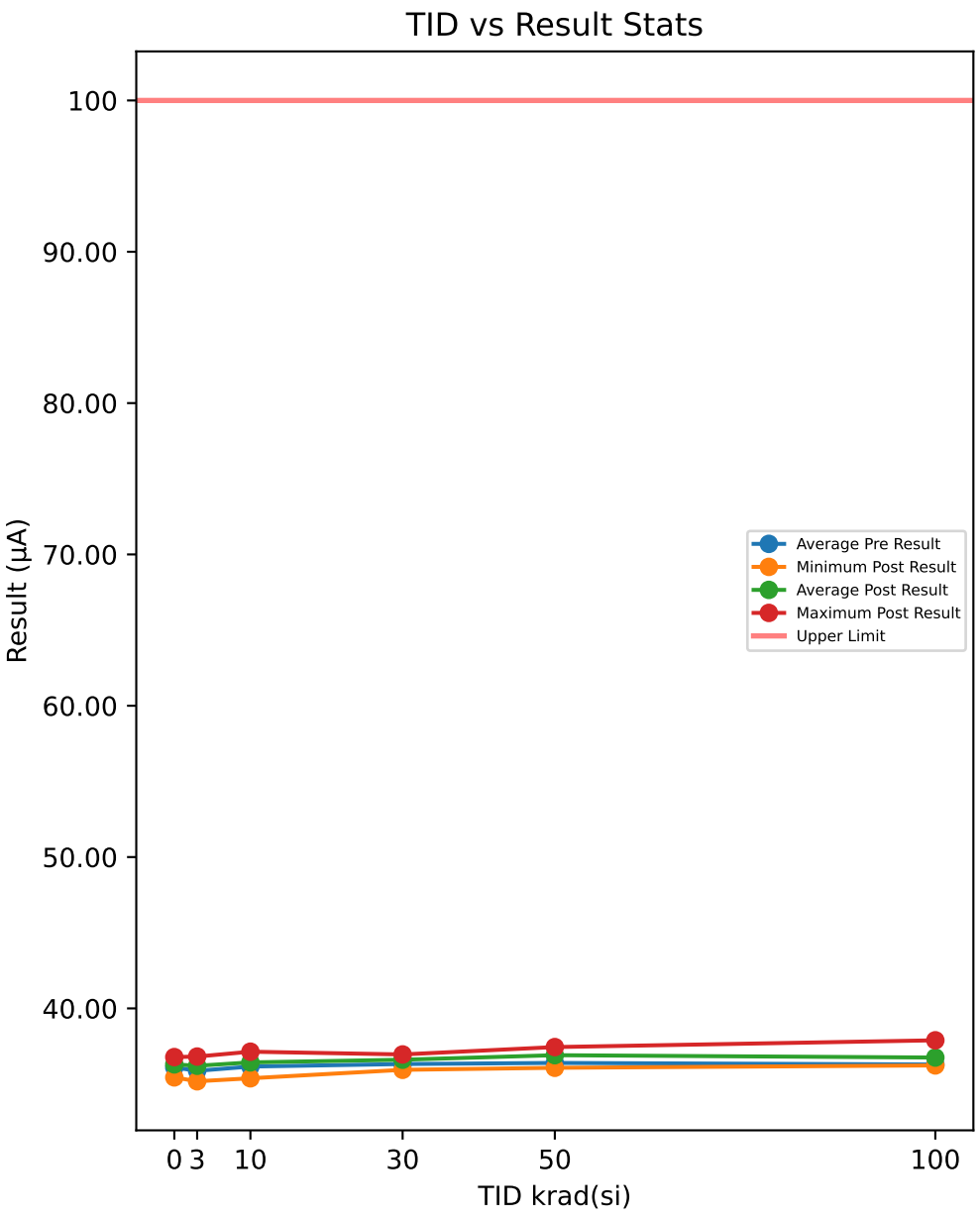
Test Results (Lower Limit = 23.28, Upper Limit = 24.72 (µA))

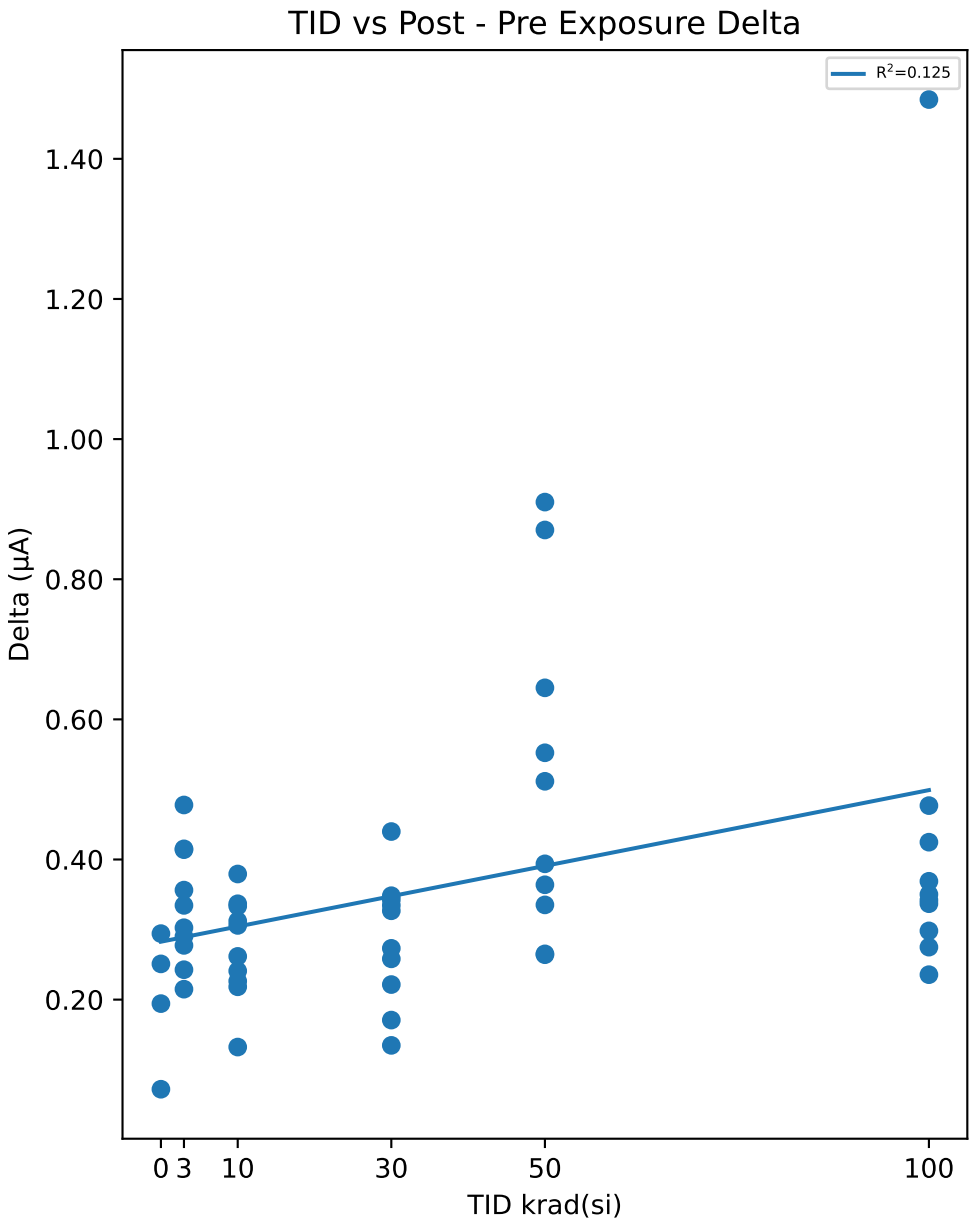
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	24.093	24.083	-0.0103
3	3	Biased	24.043	24.042	-0.001
4	3	Biased	24.061	24.055	-0.006
5	3	Biased	24.142	24.142	0.0001
6	3	Biased	24.039	24.039	0
7	3	Unbiased	24.046	24.047	0.0005
8	3	Unbiased	24.096	24.089	-0.0064
9	3	Unbiased	24.114	24.109	-0.0053
10	3	Unbiased	23.996	23.993	-0.0027
11	3	Unbiased	24.004	23.994	-0.0095
12	10	Unbiased	24.042	24.044	0.002
13	10	Unbiased	24.088	24.08	-0.008
14	10	Unbiased	24.047	24.05	0.0025
15	10	Unbiased	24.233	24.223	-0.0107
16	10	Unbiased	24.034	24.026	-0.0073
17	10	Biased	24.075	24.052	-0.0225
18	10	Biased	24.136	24.133	-0.0028
19	10	Biased	24.183	24.183	0.0005
20	10	Biased	24.122	24.114	-0.0086
21	10	Biased	24.09	24.083	-0.0064
22	30	Biased	24.131	24.115	-0.0153
23	30	Biased	24.062	24.047	-0.0145
24	30	Biased	24.148	24.122	-0.0256
25	30	Biased	24.123	24.128	0.0058
26	30	Biased	24.146	24.144	-0.0022
27	30	Unbiased	24.115	24.104	-0.0112
28	30	Unbiased	24.086	24.076	-0.01
29	30	Unbiased	24.116	24.125	0.0083
30	30	Unbiased	24.069	24.04	-0.0283
31	30	Unbiased	24.136	24.147	0.011
32	50	Biased	24.085	24.064	-0.0211
33	50	Biased	24.098	24.07	-0.0285
34	50	Biased	24.154	24.152	-0.002
35	50	Biased	24.054	24.064	0.0109
36	50	Biased	24.112	24.084	-0.0285
37	50	Unbiased	24.095	24.038	-0.0567
39	50	Unbiased	24.05	24.029	-0.0213
40	50	Unbiased	24.1	24.107	0.0071
41	50	Unbiased	24.118	24.096	-0.0226
42	50	Unbiased	24.115	24.109	-0.0055
43	100	Biased	24.052	24.065	0.0128
44	100	Biased	24.098	24.086	-0.0115
45	100	Biased	24.042	24.047	0.0047
46	100	Biased	23.963	23.905	-0.0585
47	100	Biased	24.096	24.09	-0.0063
48	100	Unbiased	24.048	23.991	-0.0573
49	100	Unbiased	24.065	24.054	-0.0112
50	100	Unbiased	24.161	24.164	0.0029
51	100	Unbiased	24.186	24.179	-0.0075
52	100	Unbiased	24.109	24.1	-0.0093
53	0	Correlation	24.112	24.112	-0.0001
54	0	Correlation	24.065	24.066	0.0005
55	0	Correlation	24.113	24.114	0.0007
56	0	Correlation	24.157	24.155	-0.0012

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	24.112	24.157	0.03741	24.066	24.112	24.155	0.036733	-0.0012	-2.5e-05	0.0007	0.00085391
3	23.996	24.063	24.142	0.047246	23.993	24.059	24.142	0.047418	-0.0103	-0.00406	0.0005	0.0040153
10	24.034	24.105	24.233	0.064653	24.026	24.099	24.223	0.064386	-0.0225	-0.00613	0.0025	0.0074201
30	24.062	24.113	24.148	0.030947	24.04	24.105	24.147	0.038024	-0.0283	-0.0082	0.011	0.013671
50	24.05	24.098	24.154	0.030717	24.029	24.081	24.152	0.036508	-0.0567	-0.01682	0.0109	0.020065
100	23.963	24.082	24.186	0.063448	23.905	24.068	24.179	0.079191	-0.0585	-0.01412	0.0128	0.024373

Device Test: 6.34; PULL_UP_LKG





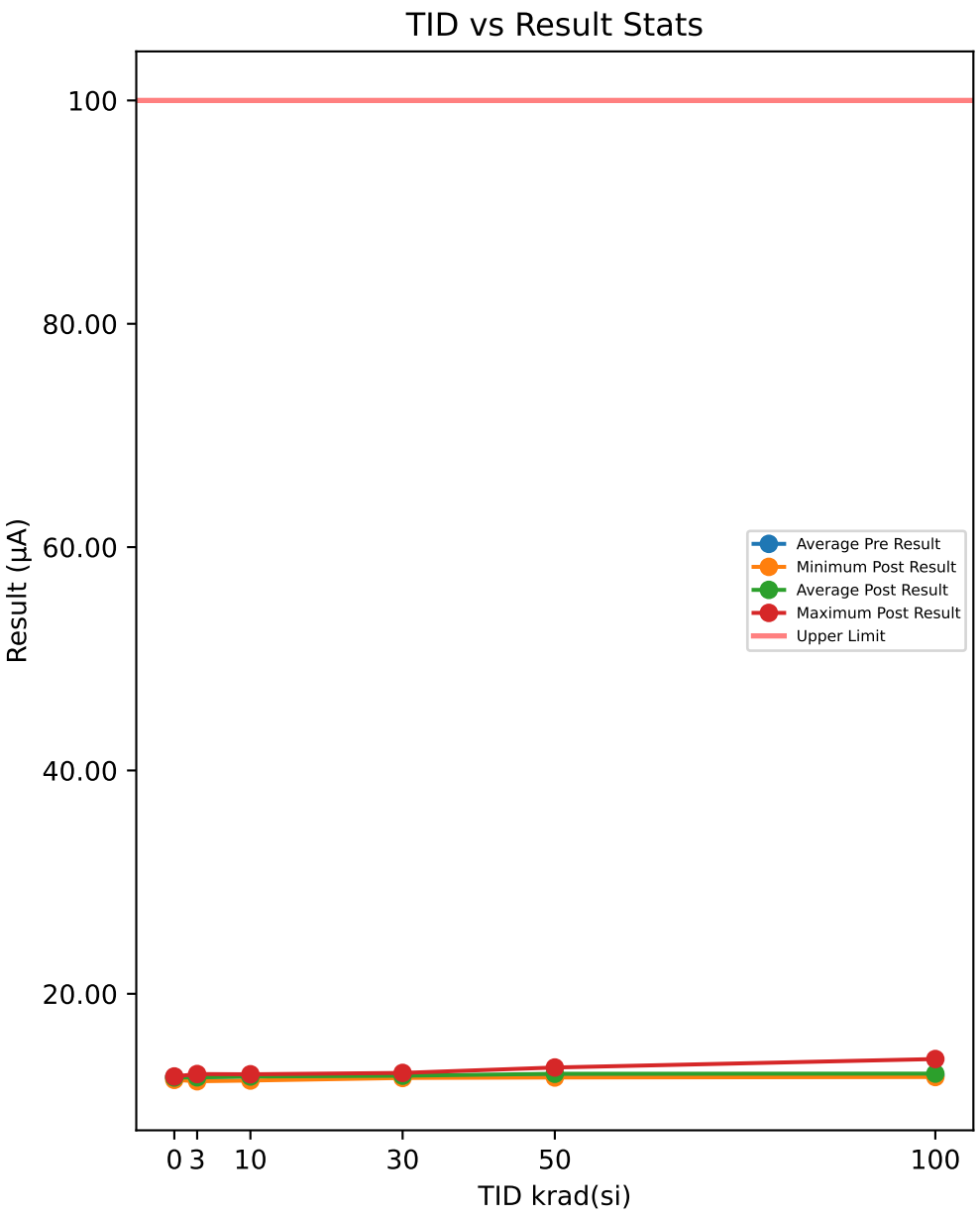
Test Results (Upper Limit = 100.0 (µA))

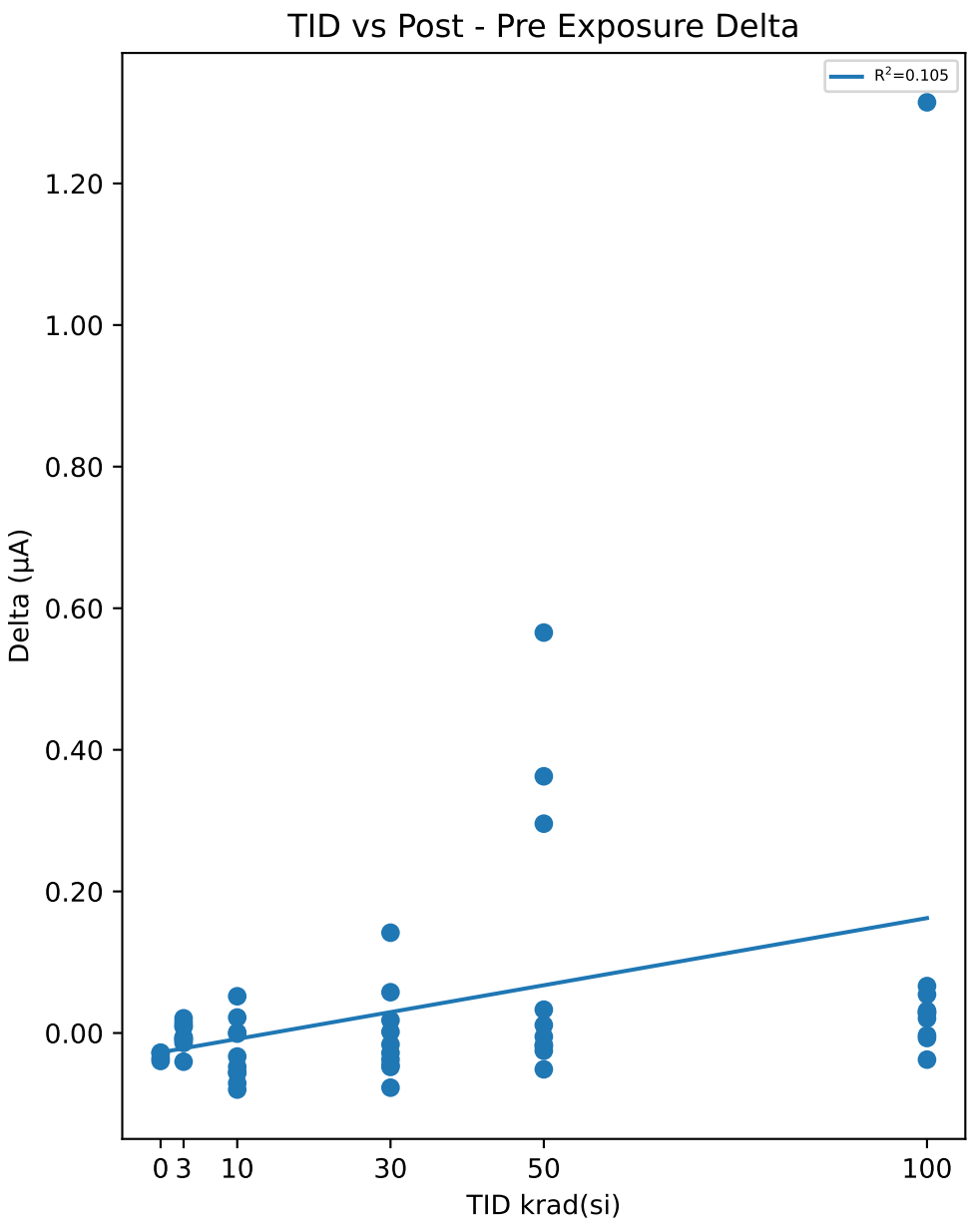
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	36.193	36.671	0.4778
3	3	Biased	35.732	36.088	0.3563
4	3	Biased	34.94	35.182	0.2427
5	3	Biased	36.11	36.325	0.2149
6	3	Biased	35.76	36.175	0.4152
7	3	Unbiased	35.829	36.163	0.3345
8	3	Unbiased	35.999	36.413	0.414
9	3	Unbiased	36.212	36.515	0.3026
10	3	Unbiased	35.433	35.723	0.2902
11	3	Unbiased	36.539	36.816	0.2774
12	10	Unbiased	36.876	37.138	0.2617
13	10	Unbiased	36.278	36.519	0.2409
14	10	Unbiased	36.451	36.669	0.2183
15	10	Unbiased	36.346	36.679	0.3334
16	10	Unbiased	36.115	36.428	0.3122
17	10	Biased	35.967	36.304	0.3368
18	10	Biased	36.242	36.621	0.3793
19	10	Biased	35.075	35.381	0.3059
20	10	Biased	35.858	35.99	0.1323
21	10	Biased	36.348	36.575	0.2264
22	30	Biased	36.476	36.734	0.2582
23	30	Biased	36.446	36.773	0.3268
24	30	Biased	36.371	36.505	0.1347
25	30	Biased	35.769	35.94	0.1708
26	30	Biased	36.442	36.785	0.3425
27	30	Unbiased	36.013	36.361	0.3483
28	30	Unbiased	36.516	36.956	0.4399
29	30	Unbiased	36.391	36.664	0.2732
30	30	Unbiased	36.552	36.773	0.2215
31	30	Unbiased	36.243	36.577	0.3346
32	50	Biased	36.533	37.443	0.9101
33	50	Biased	36.35	36.714	0.3639
34	50	Biased	36.495	36.76	0.2641
35	50	Biased	36.349	36.743	0.3938
36	50	Biased	36.731	37.242	0.5116
37	50	Unbiased	36.027	36.292	0.2653
39	50	Unbiased	36.506	37.376	0.8703
40	50	Unbiased	35.739	36.074	0.3352
41	50	Unbiased	36.697	37.342	0.645
42	50	Unbiased	36.53	37.082	0.5523
43	100	Biased	36.192	36.49	0.2981
44	100	Biased	36.405	36.774	0.3689
45	100	Biased	36.491	36.727	0.2356
46	100	Biased	35.806	36.23	0.4247
47	100	Biased	36.405	37.89	1.4846
48	100	Unbiased	36.617	36.959	0.342
49	100	Unbiased	36.212	36.549	0.3369
50	100	Unbiased	36.03	36.381	0.3502
51	100	Unbiased	36.249	36.726	0.4769
52	100	Unbiased	36.514	36.789	0.2749
53	0	Correlation	36.468	36.663	0.1943
54	0	Correlation	36.531	36.782	0.251
55	0	Correlation	35.369	35.441	0.0721
56	0	Correlation	36.017	36.311	0.2942

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	35.369	36.096	36.531	0.53636	35.441	36.299	36.782	0.6061	0.0721	0.2029	0.2942	0.096319
3	34.94	35.875	36.539	0.45122	35.182	36.207	36.816	0.47591	0.2149	0.33256	0.4778	0.083518
10	35.075	36.156	36.876	0.47093	35.381	36.43	37.138	0.47096	0.1323	0.27472	0.3793	0.072821
30	35.769	36.322	36.552	0.24923	35.94	36.607	36.956	0.28774	0.1347	0.28505	0.4399	0.091915
50	35.739	36.396	36.731	0.30443	36.074	36.907	37.443	0.47117	0.2641	0.51116	0.9101	0.23467
100	35.806	36.292	36.617	0.24579	36.23	36.751	37.89	0.45472	0.2356	0.45928	1.4846	0.36691

Device Test: 6.35; PULL_UP_LKG





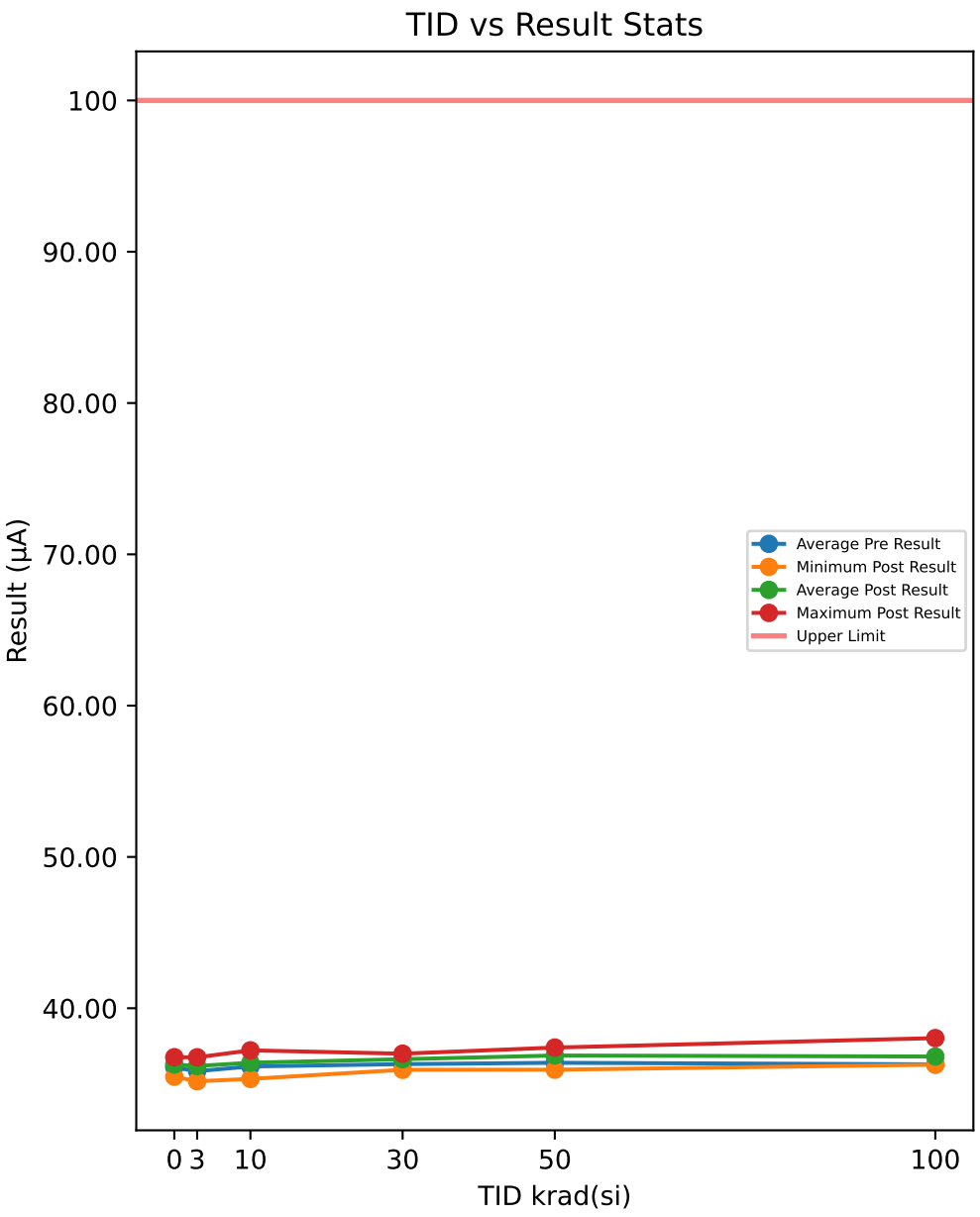
Test Results (Upper Limit = 100.0 (µA))

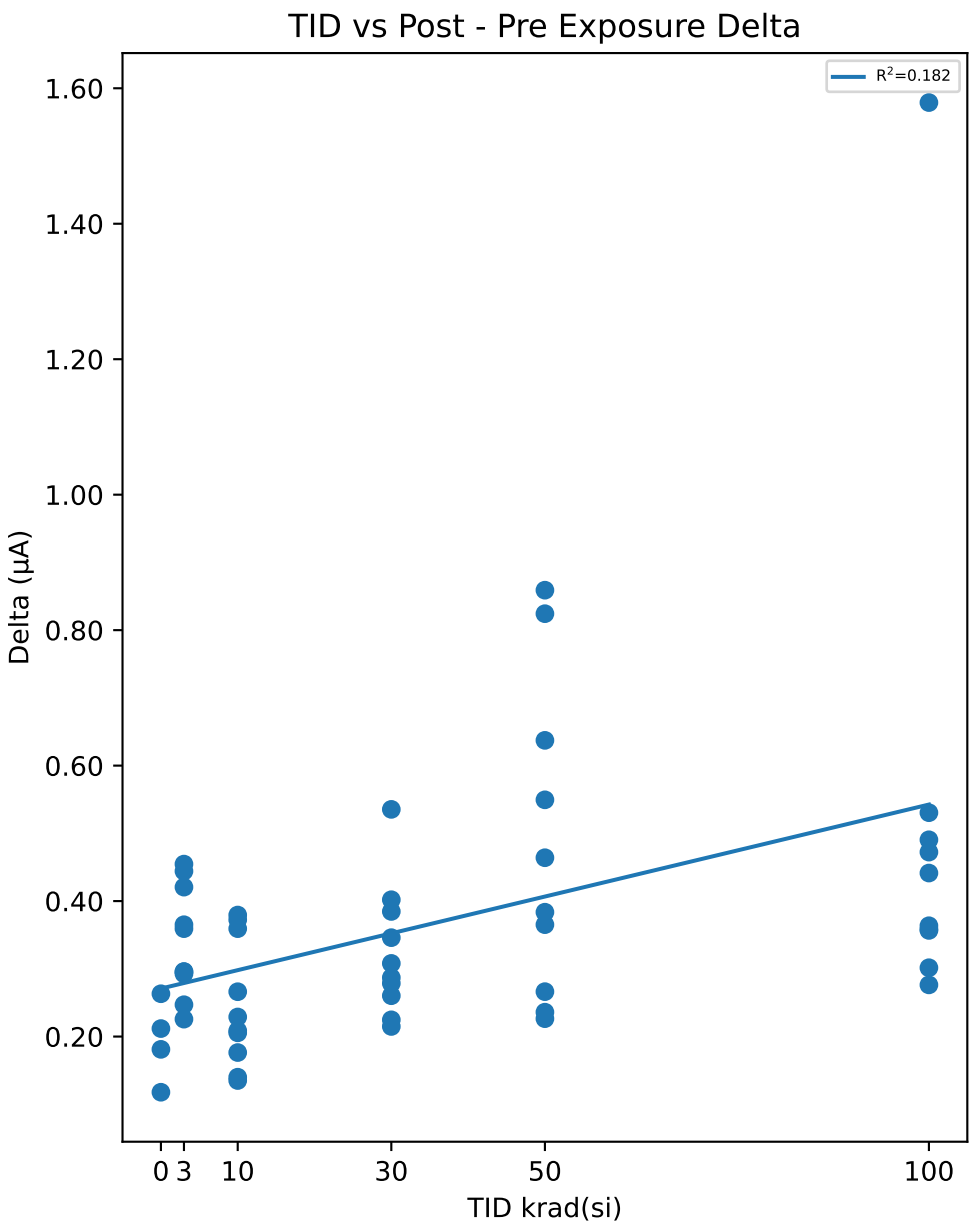
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.568	12.584	0.0155
3	3	Biased	12.552	12.573	0.0208
4	3	Biased	12.16	12.168	0.0088
5	3	Biased	12.597	12.583	-0.014
6	3	Biased	12.427	12.421	-0.006
7	3	Unbiased	12.528	12.518	-0.0097
8	3	Unbiased	12.545	12.556	0.0109
9	3	Unbiased	12.651	12.611	-0.0405
10	3	Unbiased	12.393	12.386	-0.0065
11	3	Unbiased	12.824	12.815	-0.0097
12	10	Unbiased	12.794	12.793	-0.0009
13	10	Unbiased	12.588	12.554	-0.0332
14	10	Unbiased	12.742	12.694	-0.0477
15	10	Unbiased	12.629	12.681	0.0519
16	10	Unbiased	12.638	12.66	0.0219
17	10	Biased	12.578	12.579	0.0007
18	10	Biased	12.67	12.599	-0.0709
19	10	Biased	12.289	12.233	-0.0554
20	10	Biased	12.643	12.586	-0.0563
21	10	Biased	12.632	12.552	-0.0799
22	30	Biased	12.768	12.826	0.0576
23	30	Biased	12.634	12.652	0.018
24	30	Biased	12.632	12.584	-0.0479
25	30	Biased	12.478	12.462	-0.0162
26	30	Biased	12.754	12.677	-0.0772
27	30	Unbiased	12.594	12.548	-0.0455
28	30	Unbiased	12.774	12.915	0.1417
29	30	Unbiased	12.62	12.622	0.0017
30	30	Unbiased	12.666	12.637	-0.0281
31	30	Unbiased	12.76	12.723	-0.0374
32	50	Biased	12.835	13.13	0.2957
33	50	Biased	12.675	12.67	-0.0051
34	50	Biased	12.72	12.701	-0.0187
35	50	Biased	12.713	12.724	0.0112
36	50	Biased	12.762	12.795	0.033
37	50	Unbiased	12.629	12.578	-0.0513
39	50	Unbiased	12.834	13.4	0.5656
40	50	Unbiased	12.53	12.505	-0.025
41	50	Unbiased	12.846	13.209	0.3626
42	50	Unbiased	12.694	12.677	-0.0168
43	100	Biased	12.667	12.733	0.0663
44	100	Biased	12.715	12.736	0.0206
45	100	Biased	12.658	12.713	0.0544
46	100	Biased	12.586	12.548	-0.0376
47	100	Biased	12.844	14.159	1.3146
48	100	Unbiased	12.659	12.691	0.0314
49	100	Unbiased	12.709	12.738	0.0295
50	100	Unbiased	12.647	12.64	-0.0071
51	100	Unbiased	12.769	12.796	0.0276
52	100	Unbiased	12.778	12.775	-0.0033
53	0	Correlation	12.604	12.568	-0.0357
54	0	Correlation	12.577	12.549	-0.0283
55	0	Correlation	12.334	12.294	-0.0395
56	0	Correlation	12.625	12.597	-0.0277

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	12.334	12.535	12.625	0.13545	12.294	12.502	12.597	0.13992	-0.0395	-0.0328	-0.0277	0.0057608
3	12.16	12.524	12.824	0.17457	12.168	12.521	12.815	0.16943	-0.0405	-0.00304	0.0208	0.017887
10	12.289	12.62	12.794	0.13393	12.233	12.593	12.793	0.14737	-0.0799	-0.02698	0.0519	0.043362
30	12.478	12.668	12.774	0.096341	12.462	12.665	12.915	0.1318	-0.0772	-0.00333	0.1417	0.063585
50	12.53	12.724	12.846	0.10051	12.505	12.839	13.4	0.29903	-0.0513	0.11512	0.5656	0.21381
100	12.586	12.703	12.844	0.076222	12.548	12.853	14.159	0.46432	-0.0376	0.14964	1.3146	0.41044

Device Test: 6.36; PULL_UP_LKG





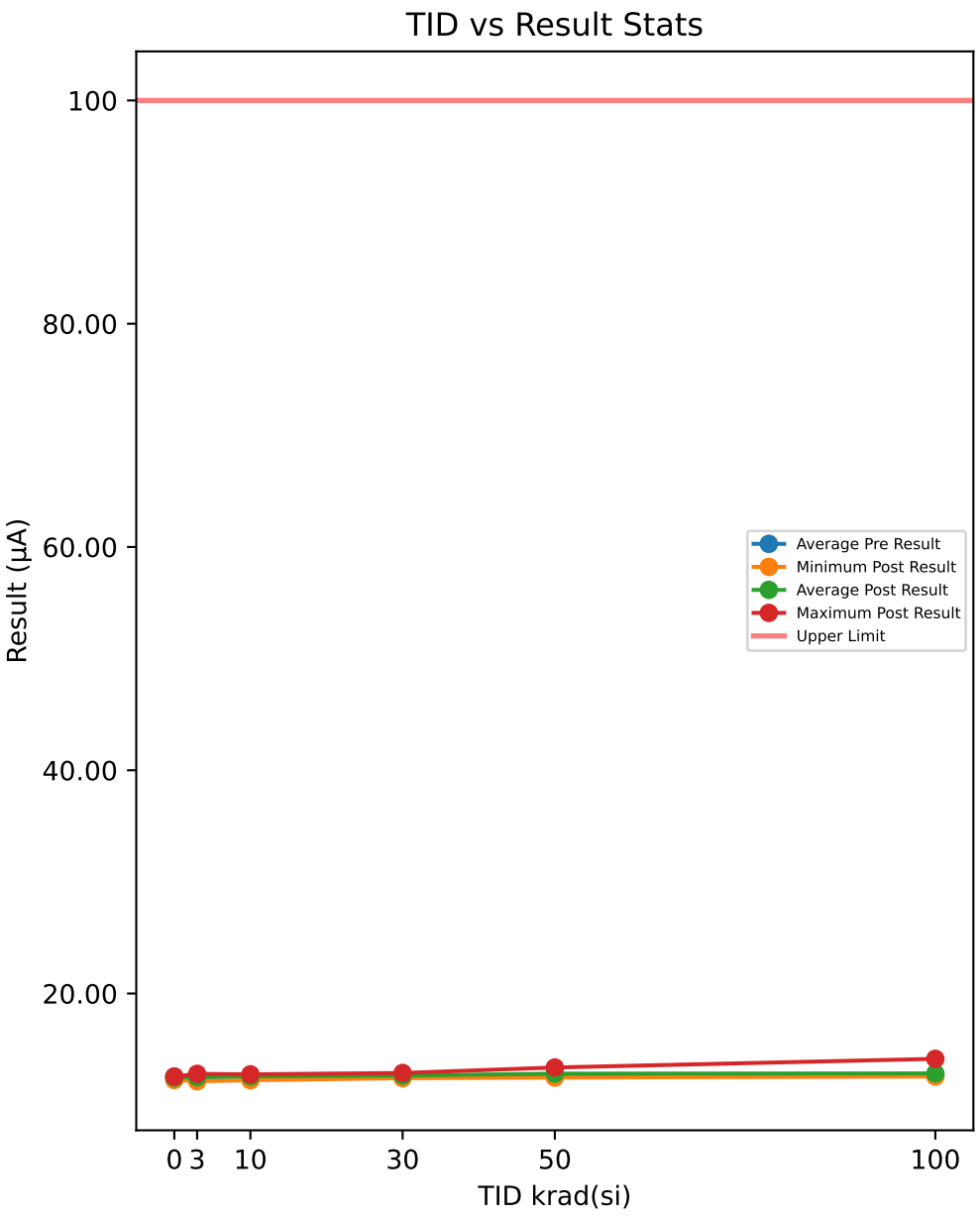
Test Results (Upper Limit = 100.0 (µA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	36.17	36.625	0.4546
3	3	Biased	35.755	36.199	0.4442
4	3	Biased	34.808	35.173	0.3651
5	3	Biased	36.099	36.325	0.2257
6	3	Biased	35.751	36.172	0.4206
7	3	Unbiased	35.763	36.122	0.3593
8	3	Unbiased	35.966	36.262	0.2956
9	3	Unbiased	36.132	36.428	0.296
10	3	Unbiased	35.446	35.739	0.2927
11	3	Unbiased	36.508	36.755	0.247
12	10	Unbiased	36.836	37.215	0.3794
13	10	Unbiased	36.312	36.452	0.14
14	10	Unbiased	36.423	36.796	0.3724
15	10	Unbiased	36.362	36.629	0.2662
16	10	Unbiased	36.128	36.337	0.2086
17	10	Biased	35.939	36.298	0.3593
18	10	Biased	36.22	36.425	0.2055
19	10	Biased	35.098	35.327	0.2289
20	10	Biased	35.818	35.994	0.1764
21	10	Biased	36.371	36.506	0.1351
22	30	Biased	36.44	36.825	0.3847
23	30	Biased	36.43	36.655	0.2247
24	30	Biased	36.328	36.73	0.402
25	30	Biased	35.716	35.931	0.2149
26	30	Biased	36.446	36.733	0.287
27	30	Unbiased	36.038	36.346	0.308
28	30	Unbiased	36.459	36.995	0.5354
29	30	Unbiased	36.374	36.635	0.2603
30	30	Unbiased	36.563	36.842	0.2786
31	30	Unbiased	36.261	36.607	0.346
32	50	Biased	36.575	37.4	0.8243
33	50	Biased	36.342	36.568	0.2264
34	50	Biased	36.434	36.67	0.236
35	50	Biased	36.307	36.672	0.3652
36	50	Biased	36.758	37.222	0.464
37	50	Unbiased	36.033	36.417	0.3836
39	50	Unbiased	36.529	37.388	0.859
40	50	Unbiased	35.671	35.937	0.2663
41	50	Unbiased	36.732	37.369	0.6373
42	50	Unbiased	36.555	37.105	0.5495
43	100	Biased	36.21	36.512	0.3016
44	100	Biased	36.452	36.729	0.2763
45	100	Biased	36.442	36.798	0.3567
46	100	Biased	35.826	36.267	0.4414
47	100	Biased	36.445	38.024	1.5789
48	100	Unbiased	36.546	37.037	0.4905
49	100	Unbiased	36.19	36.662	0.4723
50	100	Unbiased	36.094	36.452	0.3583
51	100	Unbiased	36.246	36.777	0.5305
52	100	Unbiased	36.459	36.822	0.3636
53	0	Correlation	36.47	36.651	0.1811
54	0	Correlation	36.498	36.761	0.2632
55	0	Correlation	35.356	35.474	0.1178
56	0	Correlation	36.021	36.233	0.2118

Test Statistics (µA)

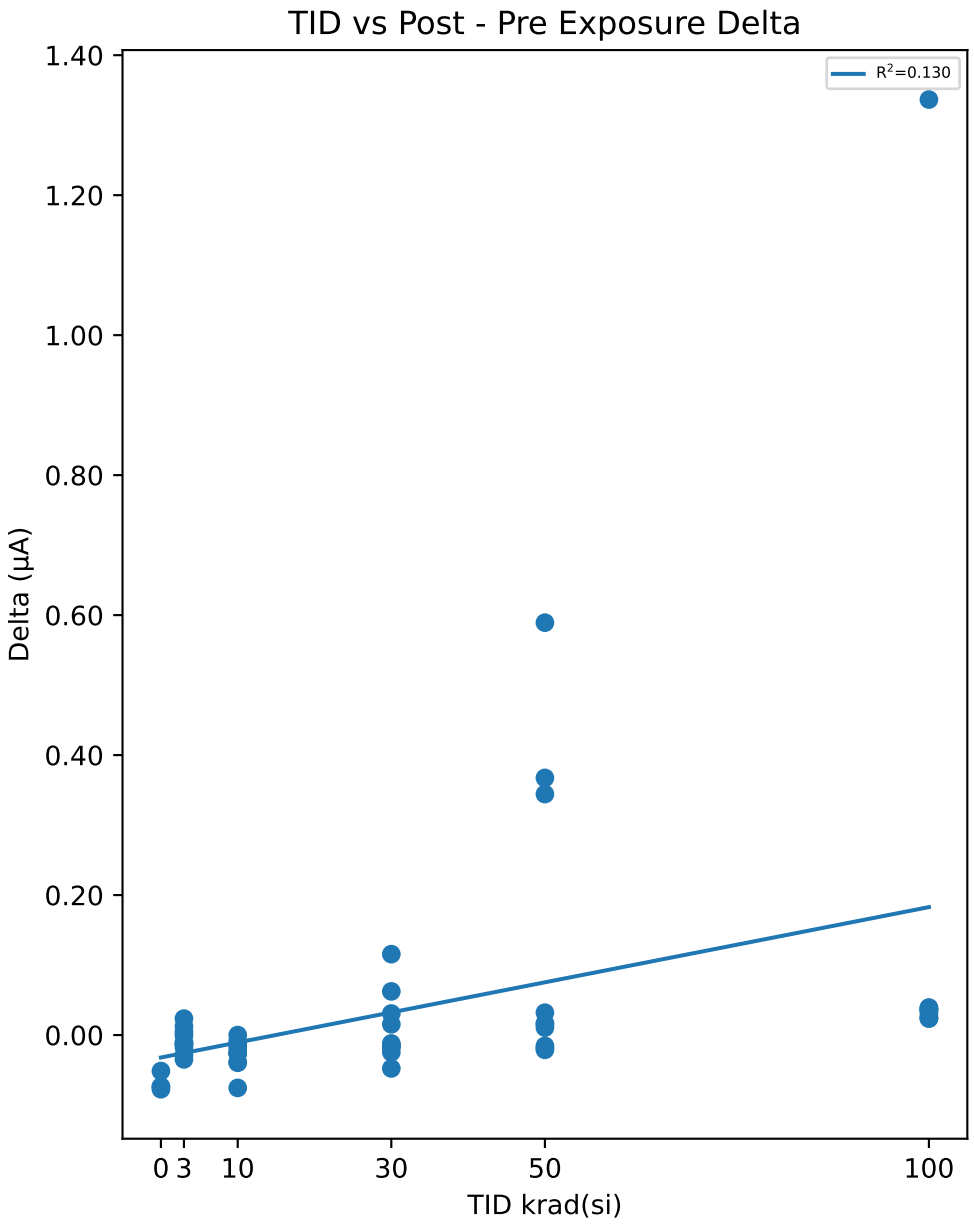
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	35.356	36.086	36.498	0.53343	35.474	36.28	36.761	0.58329	0.1178	0.19348	0.2632	0.060765
3	34.808	35.84	36.508	0.46735	35.173	36.18	36.755	0.45103	0.2257	0.34008	0.4546	0.081205
10	35.098	36.151	36.836	0.46343	35.327	36.398	37.215	0.49657	0.1351	0.24718	0.3794	0.09352
30	35.716	36.306	36.563	0.25171	35.931	36.63	36.995	0.29954	0.2149	0.32416	0.5354	0.096867
50	35.671	36.394	36.758	0.33153	35.937	36.875	37.4	0.49703	0.2264	0.48116	0.859	0.2319
100	35.826	36.291	36.546	0.22106	36.267	36.808	38.024	0.47918	0.2763	0.51701	1.5789	0.38224

Device Test: 6.37; PULL_UP_LKG



Test Results (Upper Limit = 100.0 (µA))

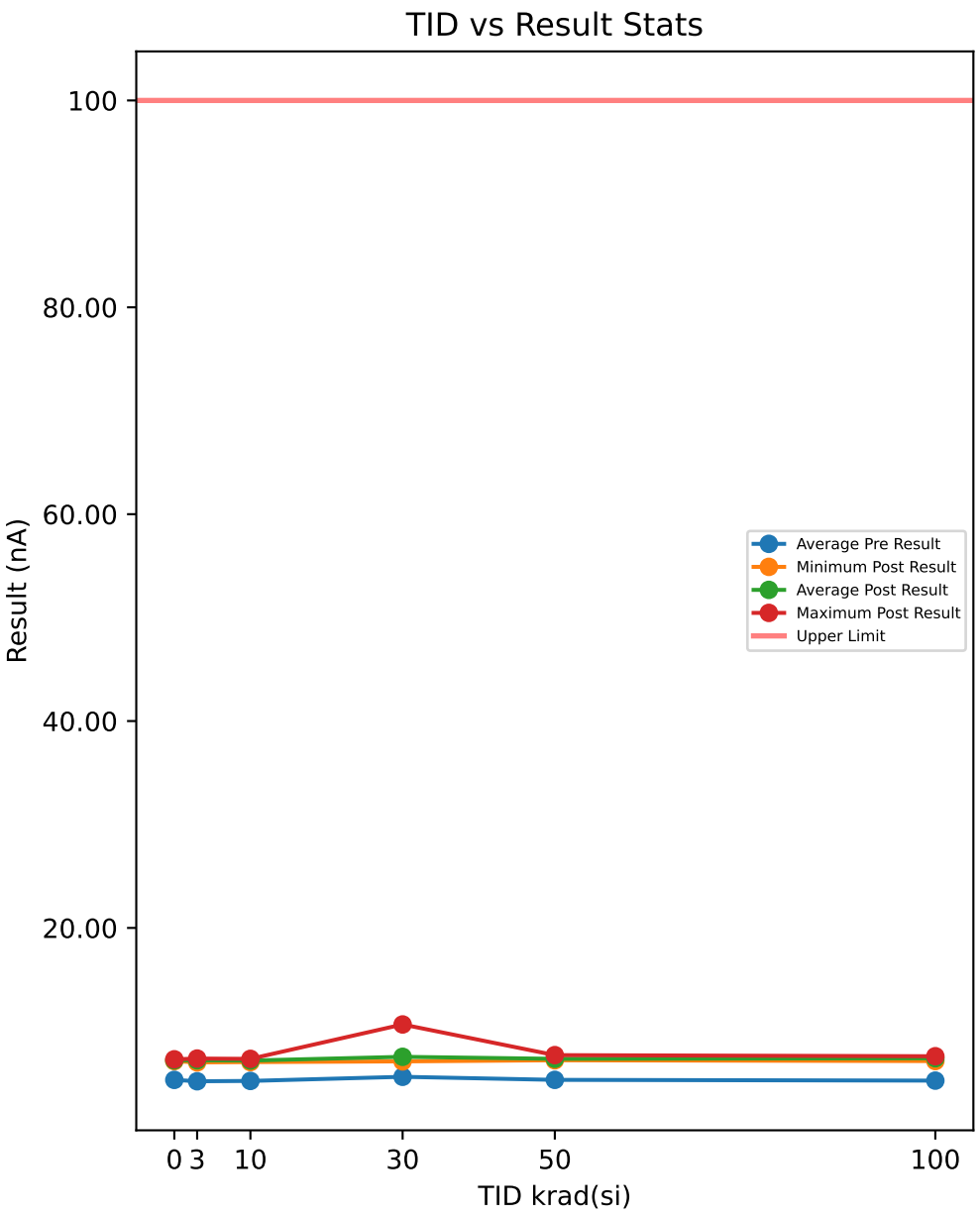
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.555	12.543	-0.0126
3	3	Biased	12.553	12.524	-0.0283
4	3	Biased	12.154	12.141	-0.0129
5	3	Biased	12.571	12.576	0.0046
6	3	Biased	12.432	12.456	0.0235
7	3	Unbiased	12.513	12.478	-0.0348
8	3	Unbiased	12.541	12.531	-0.0101
9	3	Unbiased	12.619	12.632	0.0126
10	3	Unbiased	12.378	12.361	-0.0174
11	3	Unbiased	12.803	12.803	-0.0004
12	10	Unbiased	12.769	12.76	-0.0088
13	10	Unbiased	12.579	12.54	-0.0396
14	10	Unbiased	12.697	12.697	0
15	10	Unbiased	12.657	12.644	-0.0134
16	10	Unbiased	12.653	12.628	-0.0253
17	10	Biased	12.589	12.513	-0.0755
18	10	Biased	12.65	12.612	-0.0385
19	10	Biased	12.259	12.234	-0.0254
20	10	Biased	12.612	12.585	-0.0267
21	10	Biased	12.581	12.563	-0.018
22	30	Biased	12.755	12.817	0.0624
23	30	Biased	12.613	12.599	-0.014
24	30	Biased	12.602	12.59	-0.012
25	30	Biased	12.465	12.417	-0.0477
26	30	Biased	12.693	12.676	-0.0168
27	30	Unbiased	12.57	12.553	-0.017
28	30	Unbiased	12.767	12.883	0.1156
29	30	Unbiased	12.584	12.599	0.0154
30	30	Unbiased	12.62	12.651	0.0308
31	30	Unbiased	12.743	12.719	-0.0246
32	50	Biased	12.812	13.18	0.3674
33	50	Biased	12.659	12.64	-0.0188
34	50	Biased	12.689	12.699	0.0107
35	50	Biased	12.662	12.678	0.0161
36	50	Biased	12.729	12.761	0.032
37	50	Unbiased	12.568	12.584	0.0164
39	50	Unbiased	12.785	13.374	0.5892
40	50	Unbiased	12.495	12.474	-0.0211
41	50	Unbiased	12.824	13.168	0.3443
42	50	Unbiased	12.696	12.681	-0.0154
43	100	Biased	12.646	12.676	0.0303
44	100	Biased	12.731	12.768	0.0364
45	100	Biased	12.667	12.69	0.0235
46	100	Biased	12.54	12.566	0.0252
47	100	Biased	12.812	14.149	1.3366
48	100	Unbiased	12.625	12.661	0.0352
49	100	Unbiased	12.71	12.734	0.0241
50	100	Unbiased	12.603	12.642	0.0386
51	100	Unbiased	12.753	12.789	0.0359
52	100	Unbiased	12.727	12.767	0.0393
53	0	Correlation	12.603	12.529	-0.074
54	0	Correlation	12.603	12.53	-0.0735
55	0	Correlation	12.334	12.257	-0.0774
56	0	Correlation	12.62	12.569	-0.0514

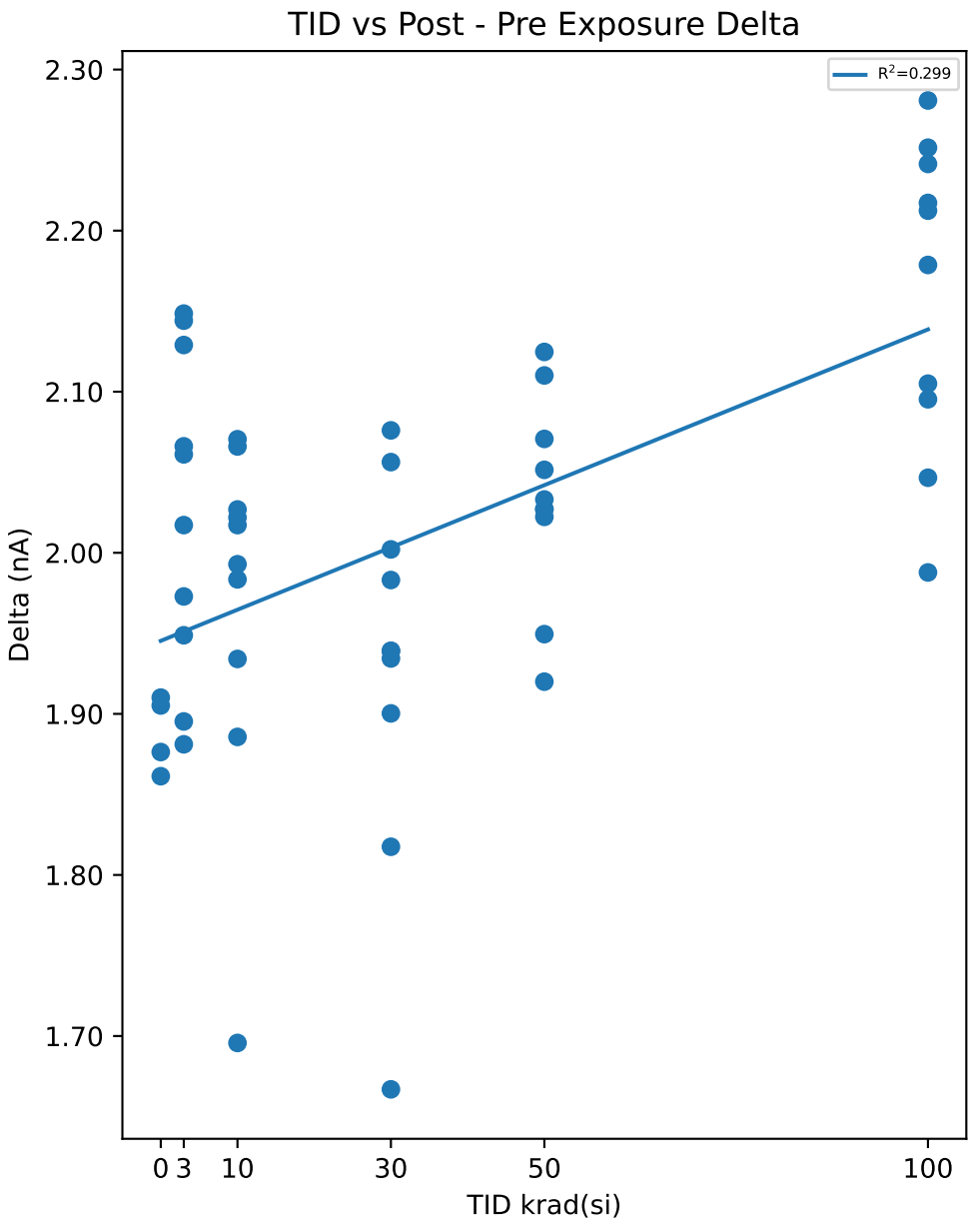


Test Statistics (µA)

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	12.334	12.54	12.62	0.13761	12.257	12.471	12.569	0.14413	-0.0774	-0.069075	-0.0514	0.01191
3	12.154	12.512	12.803	0.16881	12.141	12.504	12.803	0.17271	-0.0348	-0.00758	0.0235	0.017949
10	12.259	12.605	12.769	0.13489	12.234	12.578	12.76	0.1414	-0.0755	-0.02712	0	0.021015
30	12.465	12.641	12.767	0.096676	12.417	12.65	12.883	0.13331	-0.0477	0.00921	0.1156	0.048747
50	12.495	12.692	12.824	0.10457	12.474	12.824	13.374	0.30245	-0.0211	0.13208	0.5892	0.21831
100	12.54	12.682	12.812	0.080495	12.566	12.844	14.149	0.46354	0.0235	0.16251	1.3366	0.41258

Device Test: 6.38; ILKG_WDI





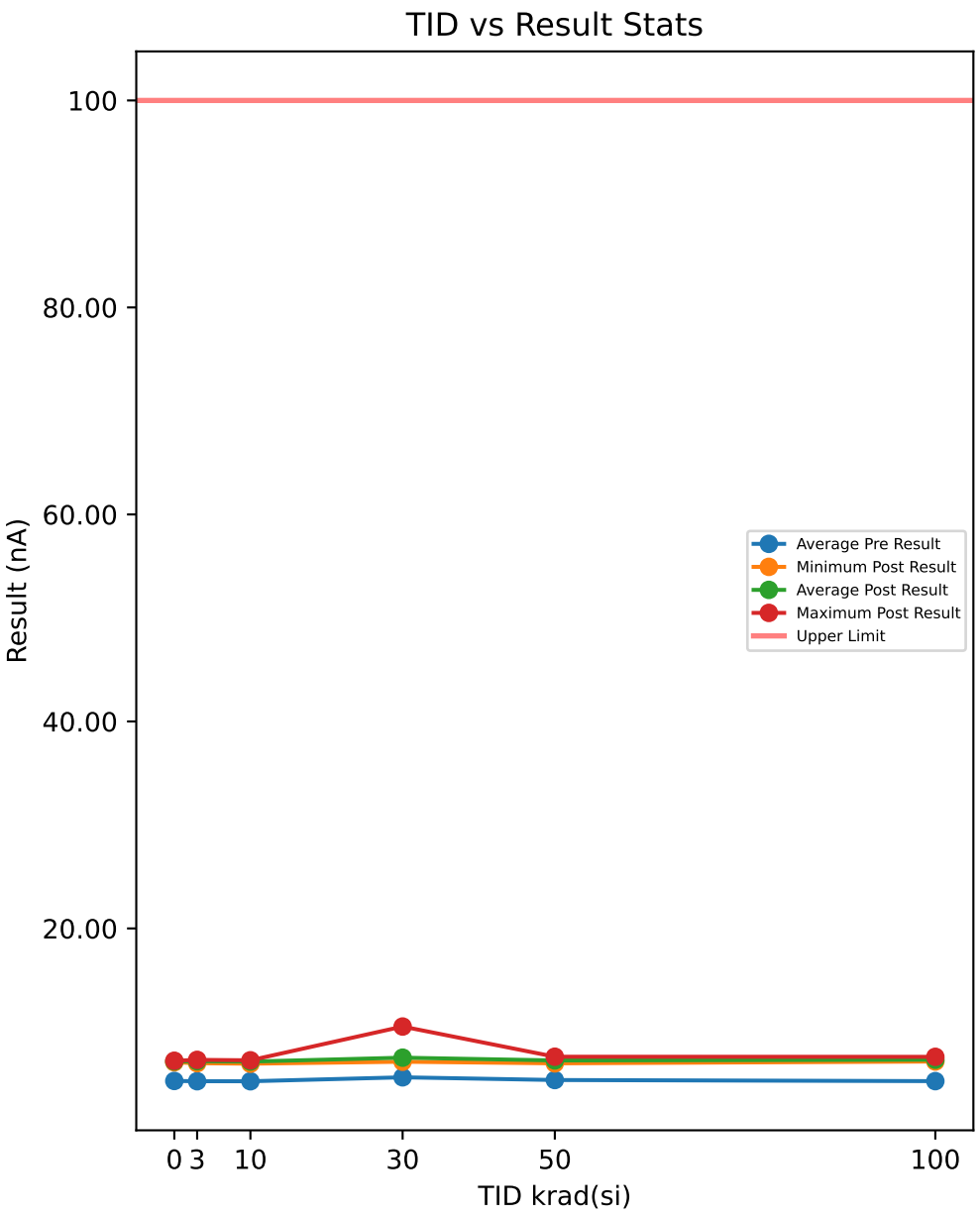
Test Results (Upper Limit = 100.0 (nA))

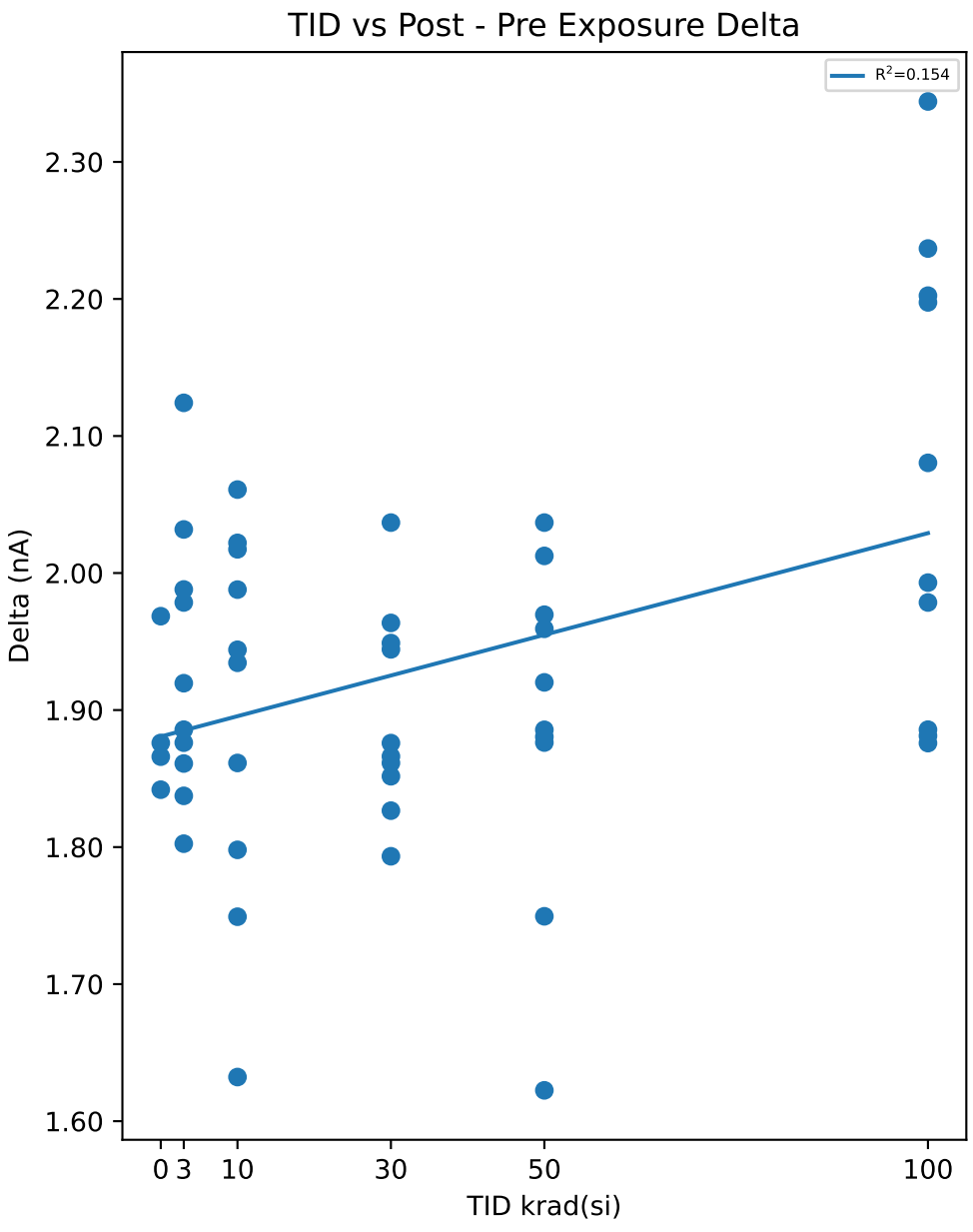
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	5.0845	7.2135	2.129
3	3	Biased	5.2353	7.1306	1.8953
4	3	Biased	5.0261	6.999	1.9729
5	3	Biased	5.2401	7.3062	2.0661
6	3	Biased	5.3471	7.2282	1.8811
7	3	Unbiased	5.1623	7.1111	1.9488
8	3	Unbiased	5.1866	7.2477	2.0611
9	3	Unbiased	5.172	7.1892	2.0172
10	3	Unbiased	5.2255	7.3696	2.1441
11	3	Unbiased	5.0699	7.2184	2.1485
12	10	Unbiased	5.065	7.1355	2.0705
13	10	Unbiased	5.1817	7.1989	2.0172
14	10	Unbiased	5.3325	7.0282	1.6957
15	10	Unbiased	5.2012	7.2672	2.066
16	10	Unbiased	5.1331	7.0672	1.9341
17	10	Biased	5.1866	7.2135	2.0269
18	10	Biased	5.1477	7.1696	2.0219
19	10	Biased	5.2109	7.2038	1.9929
20	10	Biased	5.2498	7.1355	1.8857
21	10	Biased	5.3568	7.3403	1.9835
22	30	Biased	5.2985	7.3745	2.076
23	30	Biased	5.2304	7.2867	2.0563
24	30	Biased	5.2742	7.1745	1.9003
25	30	Biased	5.493	7.1599	1.6669
26	30	Biased	5.1574	7.0965	1.9391
27	30	Unbiased	5.1915	7.1306	1.9391
28	30	Unbiased	5.2936	7.1111	1.8175
29	30	Unbiased	5.2304	7.2135	1.9831
30	30	Unbiased	8.6643	10.666	2.0021
31	30	Unbiased	5.2255	7.1599	1.9344
32	50	Biased	5.6681	7.7012	2.0331
33	50	Biased	5.4201	7.3696	1.9495
34	50	Biased	5.2498	7.3745	2.1247
35	50	Biased	5.279	7.3062	2.0272
36	50	Biased	5.3228	7.2428	1.92
37	50	Unbiased	5.2839	7.3062	2.0223
39	50	Unbiased	5.2693	7.3794	2.1101
40	50	Unbiased	5.2353	7.2623	2.027
41	50	Unbiased	5.1331	7.2038	2.0707
42	50	Unbiased	5.2401	7.2916	2.0515
43	100	Biased	5.2401	7.4525	2.2124
44	100	Biased	5.2936	7.5744	2.2808
45	100	Biased	5.2158	7.433	2.2172
46	100	Biased	5.2742	7.5257	2.2515
47	100	Biased	5.4152	7.5939	2.1787
48	100	Unbiased	5.2061	7.3111	2.105
49	100	Unbiased	5.2207	7.316	2.0953
50	100	Unbiased	5.2255	7.2721	2.0466
51	100	Unbiased	5.1428	7.3842	2.2414
52	100	Unbiased	5.138	7.1258	1.9878
53	0	Correlation	5.2596	7.1209	1.8613
54	0	Correlation	5.2888	7.194	1.9052
55	0	Correlation	5.2644	7.1745	1.9101
56	0	Correlation	5.4201	7.2964	1.8763

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	5.2596	5.3082	5.4201	0.075671	7.1209	7.1965	7.2964	0.073452	1.8613	1.8882	1.9101	0.023337
3	5.0261	5.1749	5.3471	0.095309	6.999	7.2013	7.3696	0.10374	1.8811	2.0264	2.1485	0.099631
10	5.065	5.2065	5.3568	0.08836	7.0282	7.176	7.3403	0.091299	1.6957	1.9694	2.0705	0.11146
30	5.1574	5.6059	8.6643	1.0785	7.0965	7.5374	10.666	1.1027	1.6669	1.9315	2.076	0.11935
50	5.1331	5.3102	5.6681	0.14499	7.2038	7.3438	7.7012	0.13849	1.92	2.0336	2.1247	0.063279
100	5.138	5.2372	5.4152	0.079463	7.1258	7.3989	7.5939	0.14697	1.9878	2.1617	2.2808	0.097556

Device Test: 6.39; ILKG_WDI





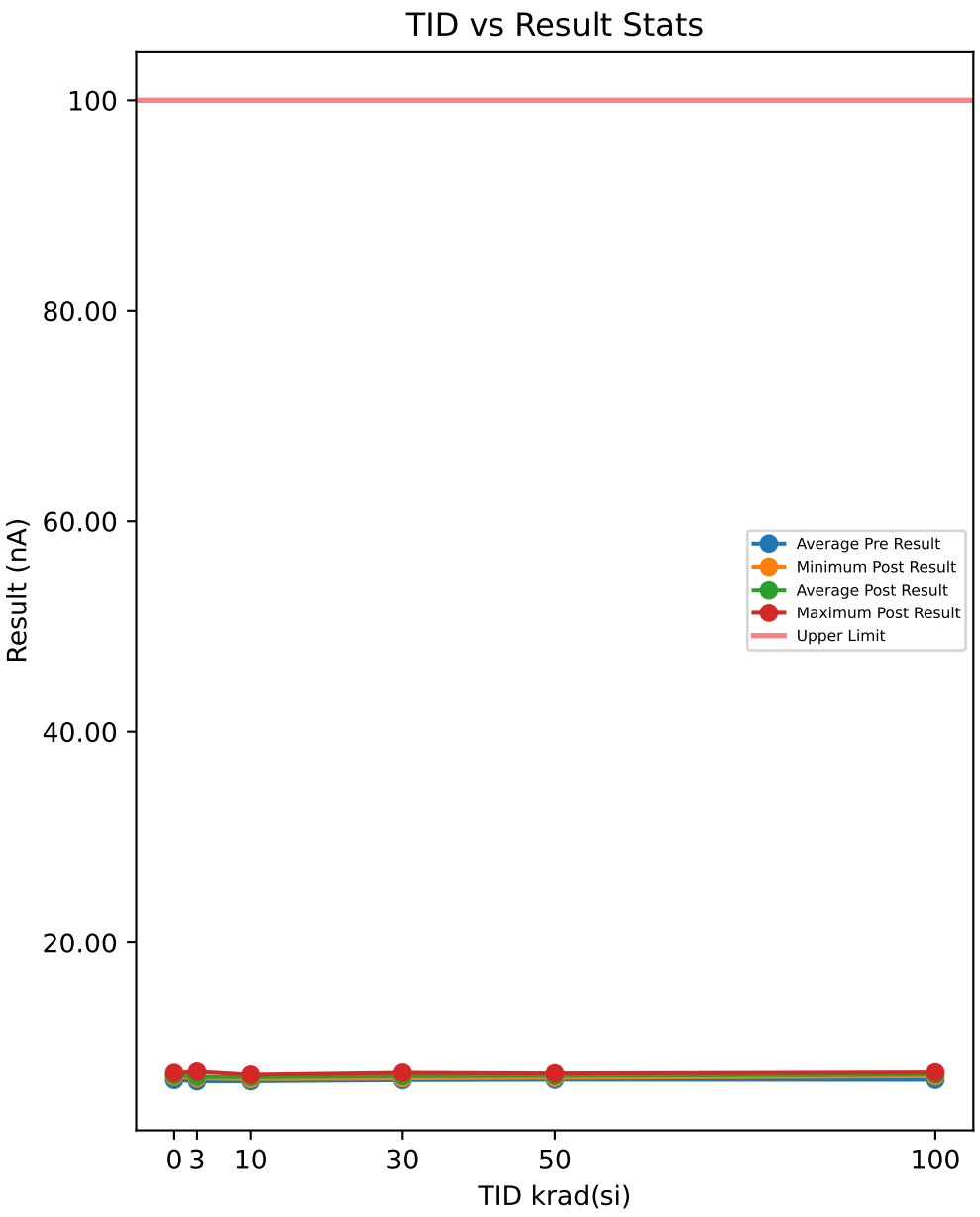
Test Results (Upper Limit = 100.0 (nA))

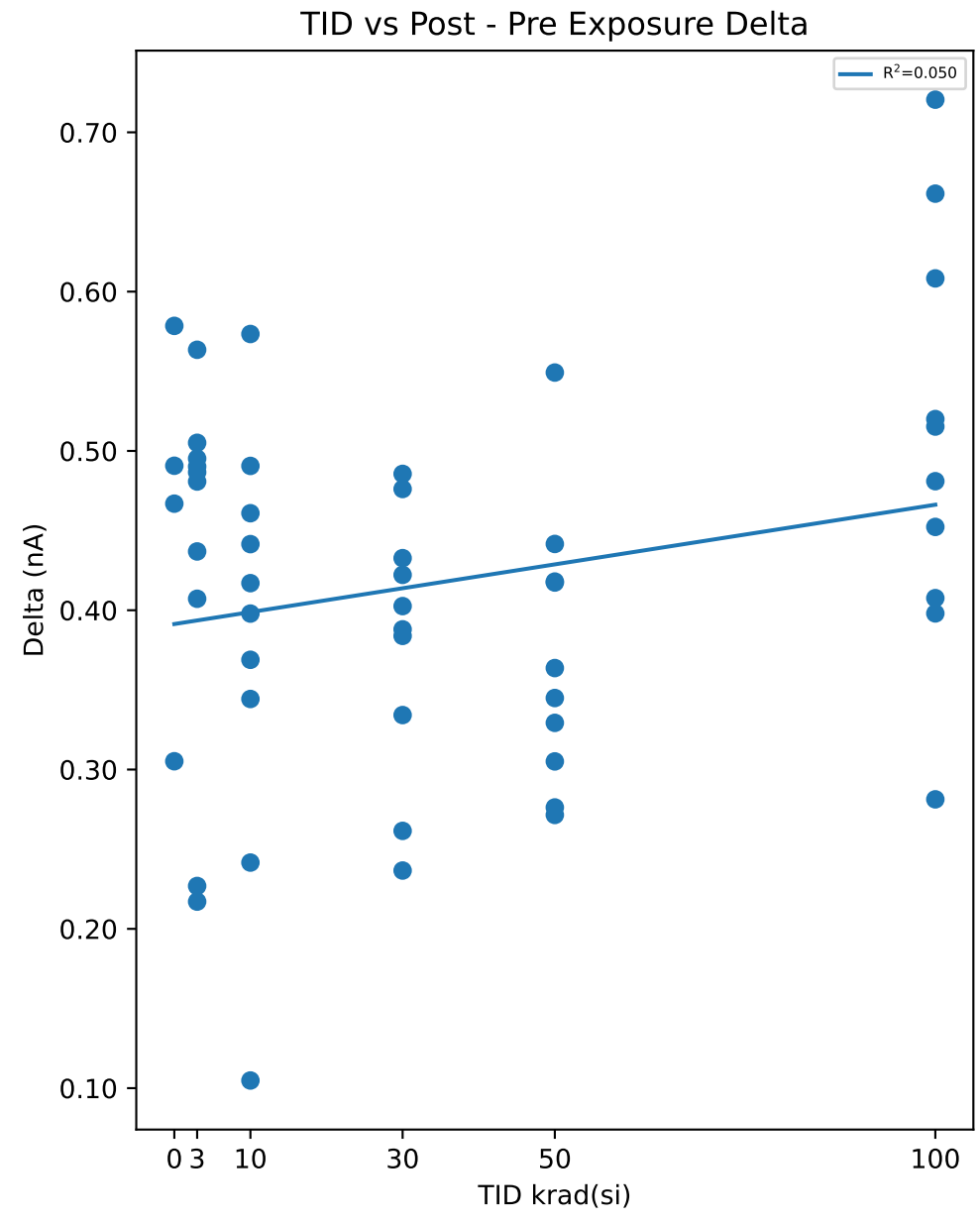
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	5.0845	7.2087	2.1242
3	3	Biased	5.2207	7.2087	1.988
4	3	Biased	5.1672	7.0282	1.861
5	3	Biased	5.1817	7.2135	2.0318
6	3	Biased	5.3228	7.3013	1.9785
7	3	Unbiased	5.1769	6.9794	1.8025
8	3	Unbiased	5.3471	7.2233	1.8762
9	3	Unbiased	5.2693	7.155	1.8857
10	3	Unbiased	5.4347	7.2721	1.8374
11	3	Unbiased	5.1769	7.0965	1.9196
12	10	Unbiased	5.138	7.1989	2.0609
13	10	Unbiased	5.1769	7.1209	1.944
14	10	Unbiased	5.2498	7.1843	1.9345
15	10	Unbiased	5.1915	7.1794	1.9879
16	10	Unbiased	5.2839	7.1453	1.8614
17	10	Biased	5.2985	6.9307	1.6322
18	10	Biased	5.2401	7.2574	2.0173
19	10	Biased	5.1623	7.1843	2.022
20	10	Biased	5.2985	7.0965	1.798
21	10	Biased	5.2936	7.0428	1.7492
22	30	Biased	5.3568	7.1501	1.7933
23	30	Biased	5.2936	7.2379	1.9443
24	30	Biased	5.2888	7.155	1.8662
25	30	Biased	5.3131	7.1745	1.8614
26	30	Biased	5.1915	7.1404	1.9489
27	30	Unbiased	5.2109	7.1745	1.9636
28	30	Unbiased	5.2401	7.2769	2.0368
29	30	Unbiased	5.3131	7.1648	1.8517
30	30	Unbiased	8.6935	10.52	1.8266
31	30	Unbiased	5.245	7.1209	1.8759
32	50	Biased	5.6341	7.6037	1.9696
33	50	Biased	5.4639	7.4232	1.9593
34	50	Biased	5.4055	7.2818	1.8763
35	50	Biased	5.386	7.3062	1.9202
36	50	Biased	5.2888	7.3013	2.0125
37	50	Unbiased	5.3763	7.1258	1.7495
39	50	Unbiased	5.245	7.2818	2.0368
40	50	Unbiased	5.2304	7.116	1.8856
41	50	Unbiased	5.1623	7.0428	1.8805
42	50	Unbiased	5.3423	6.9648	1.6225
43	100	Biased	5.1477	7.3501	2.2024
44	100	Biased	5.2498	7.5939	2.3441
45	100	Biased	5.1623	7.3598	2.1975
46	100	Biased	5.1331	7.2135	2.0804
47	100	Biased	5.2401	7.4769	2.2368
48	100	Unbiased	5.2547	7.1404	1.8857
49	100	Unbiased	5.3909	7.2721	1.8812
50	100	Unbiased	5.2644	7.2574	1.993
51	100	Unbiased	5.3423	7.3208	1.9785
52	100	Unbiased	5.2742	7.1501	1.8759
53	0	Correlation	5.2012	7.0672	1.866
54	0	Correlation	5.2936	7.1696	1.876
55	0	Correlation	5.3131	7.155	1.8419
56	0	Correlation	5.245	7.2135	1.9685

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	5.2012	5.2632	5.3131	0.050297	7.0672	7.1513	7.2135	0.061347	1.8419	1.8881	1.9685	0.055478
3	5.0845	5.2382	5.4347	0.1045	6.9794	7.1687	7.3013	0.10405	1.8025	1.9305	2.1242	0.099078
10	5.138	5.2333	5.2985	0.061525	6.9307	7.1341	7.2574	0.093044	1.6322	1.9007	2.0609	0.13813
30	5.1915	5.6146	8.6935	1.083	7.1209	7.5115	10.52	1.0581	1.7933	1.8969	2.0368	0.074037
50	5.1623	5.3535	5.6341	0.13458	6.9648	7.2447	7.6037	0.18865	1.6225	1.8913	2.0368	0.1248
100	5.1331	5.2459	5.3909	0.082289	7.1404	7.3135	7.5939	0.14157	1.8759	2.0675	2.3441	0.16944

Device Test: 6.40; ILKG_MODE





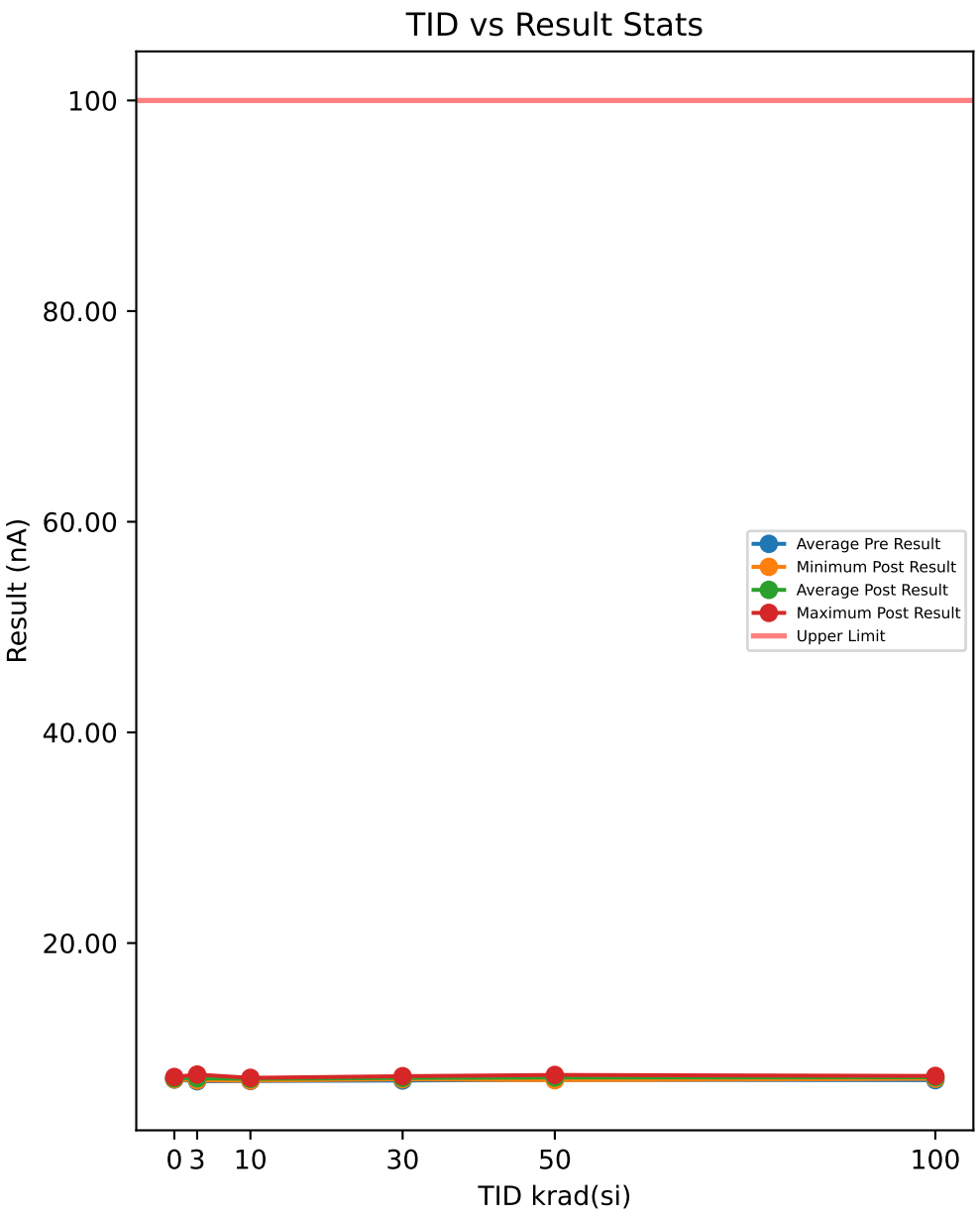
Test Results (Upper Limit = 100.0 (nA))

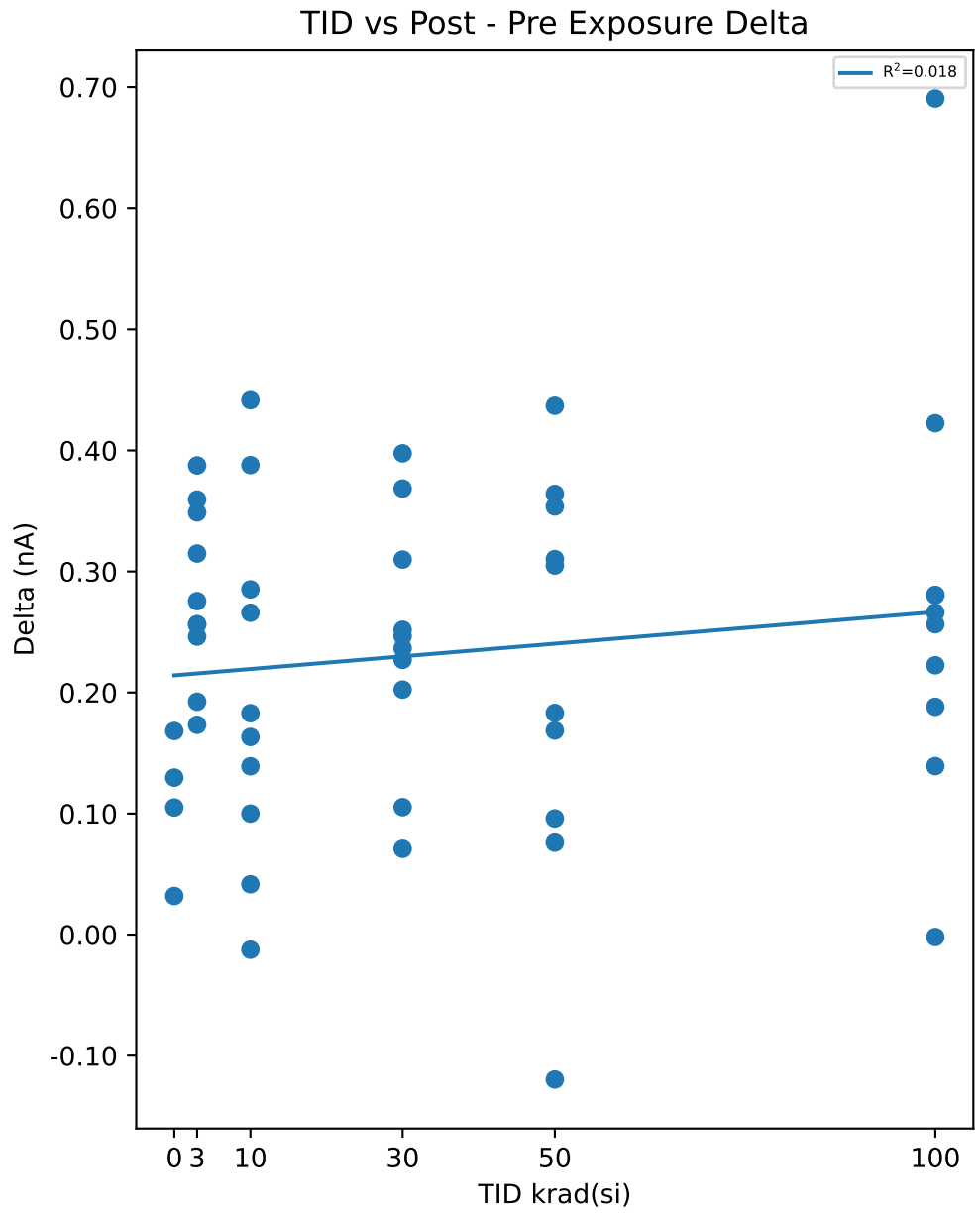
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	6.6741	7.2376	0.5635
3	3	Biased	6.7034	7.1106	0.4072
4	3	Biased	7.2494	7.736	0.4866
5	3	Biased	6.8935	7.1204	0.2269
6	3	Biased	6.9081	7.1252	0.2171
7	3	Unbiased	6.8545	7.2914	0.4369
8	3	Unbiased	6.679	7.1692	0.4902
9	3	Unbiased	6.8399	7.3207	0.4808
10	3	Unbiased	6.7667	7.2718	0.5051
11	3	Unbiased	6.7082	7.2034	0.4952
12	10	Unbiased	6.8057	7.2963	0.4906
13	10	Unbiased	7.0788	7.4477	0.3689
14	10	Unbiased	6.9471	7.2914	0.3443
15	10	Unbiased	6.7082	7.1252	0.417
16	10	Unbiased	6.9325	7.0373	0.1048
17	10	Biased	6.6643	7.1252	0.4609
18	10	Biased	6.7424	7.1839	0.4415
19	10	Biased	6.913	7.1546	0.2416
20	10	Biased	6.6838	7.2572	0.5734
21	10	Biased	6.8886	7.2865	0.3979
22	30	Biased	6.9179	7.394	0.4761
23	30	Biased	7.2007	7.6334	0.4327
24	30	Biased	7.186	7.5699	0.3839
25	30	Biased	6.8252	7.2132	0.388
26	30	Biased	6.874	7.1106	0.2366
27	30	Unbiased	7.1032	7.3647	0.2615
28	30	Unbiased	6.835	7.1692	0.3342
29	30	Unbiased	6.796	7.2816	0.4856
30	30	Unbiased	6.8496	7.2718	0.4222
31	30	Unbiased	6.8057	7.2083	0.4026
32	50	Biased	7.1568	7.5748	0.418
33	50	Biased	7.1958	7.4673	0.2715
34	50	Biased	6.8399	7.3891	0.5492
35	50	Biased	6.7911	7.2327	0.4416
36	50	Biased	6.9228	7.2865	0.3637
37	50	Unbiased	7.0983	7.3745	0.2762
39	50	Unbiased	7.2299	7.5748	0.3449
40	50	Unbiased	6.8447	7.2621	0.4174
41	50	Unbiased	6.9228	7.2279	0.3051
42	50	Unbiased	6.8301	7.1594	0.3293
43	100	Biased	7.2007	7.482	0.2813
44	100	Biased	6.9471	7.6676	0.7205
45	100	Biased	7.0447	7.653	0.6083
46	100	Biased	6.9276	7.4429	0.5153
47	100	Biased	6.7716	7.4331	0.6615
48	100	Unbiased	7.186	7.6383	0.4523
49	100	Unbiased	6.9569	7.3549	0.398
50	100	Unbiased	6.874	7.394	0.52
51	100	Unbiased	6.9033	7.3109	0.4076
52	100	Unbiased	6.8935	7.3745	0.481
53	0	Correlation	6.8106	7.3891	0.5785
54	0	Correlation	7.147	7.6139	0.4669
55	0	Correlation	6.9715	7.2767	0.3052
56	0	Correlation	6.8789	7.3696	0.4907

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	6.8106	6.952	7.147	0.14577	7.2767	7.4123	7.6139	0.14305	0.3052	0.46033	0.5785	0.11401
3	6.6741	6.8277	7.2494	0.17277	7.1106	7.2586	7.736	0.18357	0.2171	0.43095	0.5635	0.1175
10	6.6643	6.8364	7.0788	0.13661	7.0373	7.2205	7.4477	0.11809	0.1048	0.38409	0.5734	0.1324
30	6.796	6.9393	7.2007	0.16024	7.1106	7.3217	7.6334	0.17075	0.2366	0.38234	0.4856	0.083122
50	6.7911	6.9832	7.2299	0.16892	7.1594	7.3549	7.5748	0.14662	0.2715	0.37169	0.5492	0.086153
100	6.7716	6.9705	7.2007	0.13615	7.3109	7.4751	7.6676	0.13178	0.2813	0.50458	0.7205	0.13177

Device Test: 6.41; ILKG_MODE





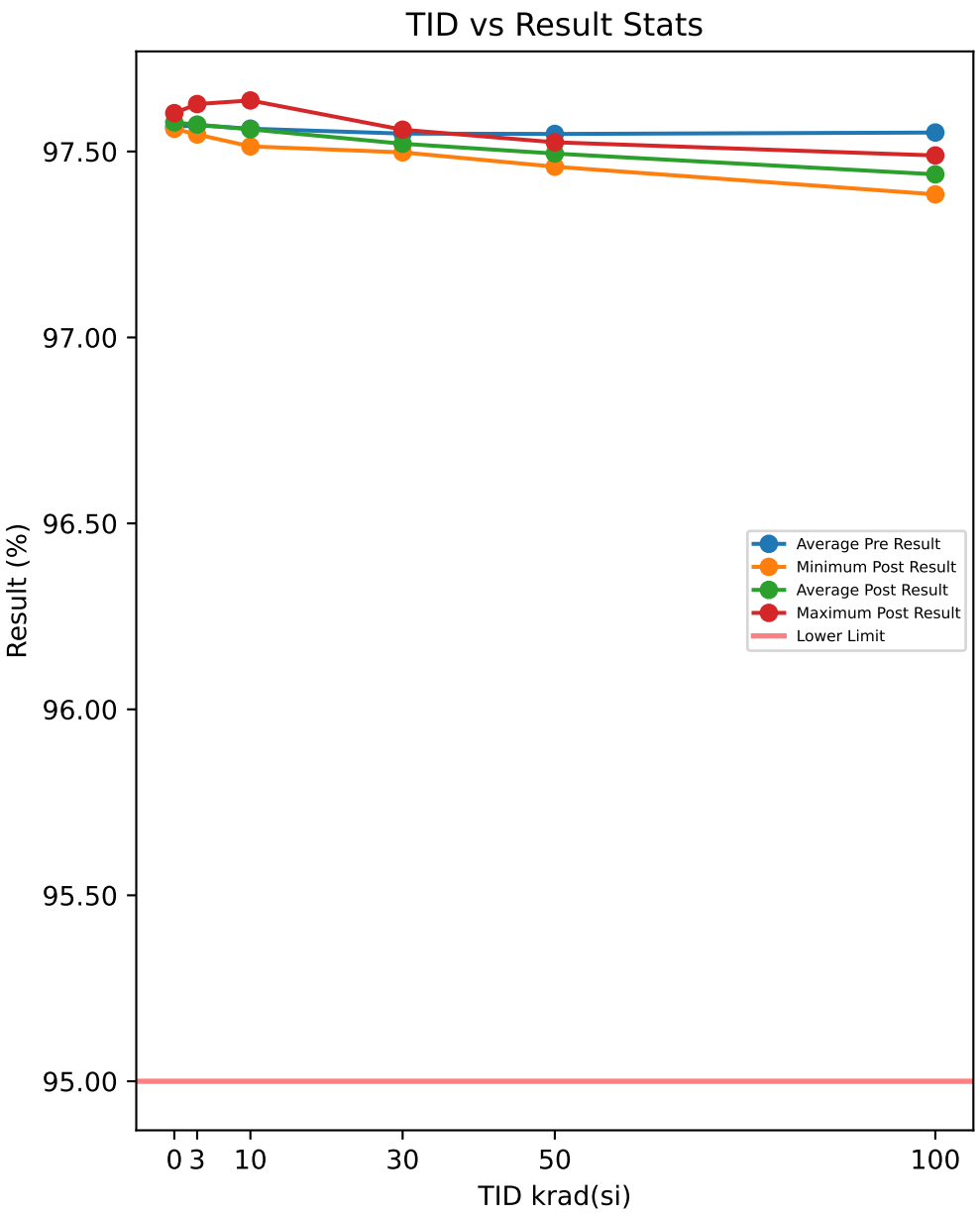
Test Results (Upper Limit = 100.0 (nA))

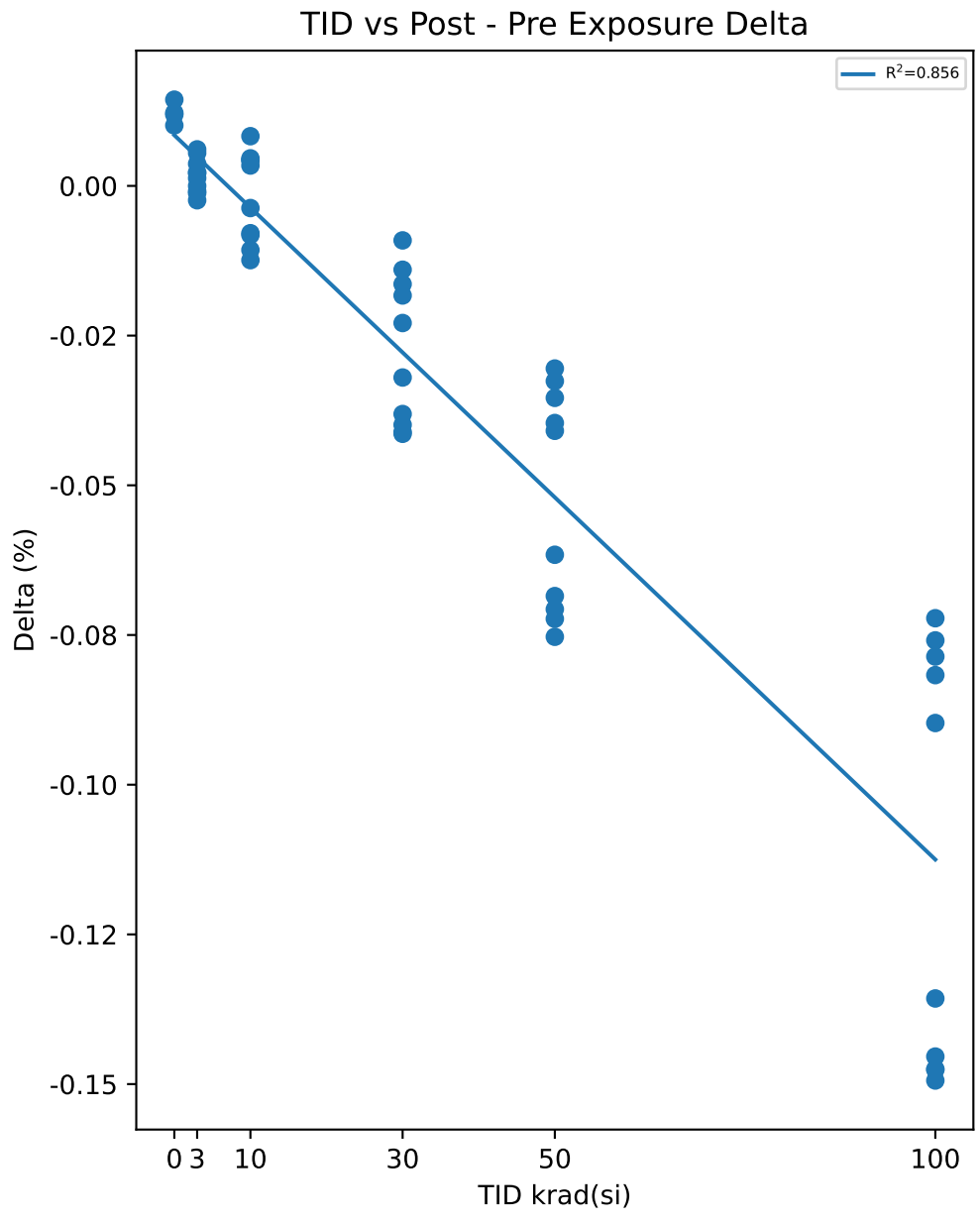
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	6.8009	7.1497	0.3488
3	3	Biased	6.9228	7.179	0.2562
4	3	Biased	7.1519	7.5113	0.3594
5	3	Biased	6.7667	6.9591	0.1924
6	3	Biased	6.9471	7.1204	0.1733
7	3	Unbiased	6.8204	7.0959	0.2755
8	3	Unbiased	6.6741	7.0617	0.3876
9	3	Unbiased	6.8886	7.2034	0.3148
10	3	Unbiased	6.8009	7.0471	0.2462
11	3	Unbiased	7.0154	7.2718	0.2564
12	10	Unbiased	6.9569	6.9444	-0.0125
13	10	Unbiased	6.7619	7.2034	0.4415
14	10	Unbiased	7.0008	7.1008	0.1
15	10	Unbiased	6.7911	7.179	0.3879
16	10	Unbiased	6.9423	7.1252	0.1829
17	10	Biased	6.8984	7.0617	0.1633
18	10	Biased	6.757	7.0422	0.2852
19	10	Biased	6.9959	7.135	0.1391
20	10	Biased	6.8642	7.1301	0.2659
21	10	Biased	7.0983	7.1399	0.0416
22	30	Biased	6.9764	7.223	0.2466
23	30	Biased	7.0837	7.1546	0.0709
24	30	Biased	7.1617	7.267	0.1053
25	30	Biased	6.8106	7.1204	0.3098
26	30	Biased	6.8838	7.2523	0.3685
27	30	Unbiased	7.108	7.3598	0.2518
28	30	Unbiased	6.7716	7.1692	0.3976
29	30	Unbiased	6.9033	7.1399	0.2366
30	30	Unbiased	6.9471	7.1741	0.227
31	30	Unbiased	6.8642	7.0666	0.2024
32	50	Biased	7.2056	7.2816	0.076
33	50	Biased	7.1032	7.4673	0.3641
34	50	Biased	6.7862	7.1399	0.3537
35	50	Biased	6.9715	7.1546	0.1831
36	50	Biased	7.1032	6.9835	-0.1197
37	50	Unbiased	6.9861	7.2963	0.3102
39	50	Unbiased	7.3811	7.4771	0.096
40	50	Unbiased	6.8252	7.2621	0.4369
41	50	Unbiased	7.0251	7.1937	0.1686
42	50	Unbiased	6.8301	7.135	0.3049
43	100	Biased	7.0934	7.2816	0.1882
44	100	Biased	6.9471	7.3696	0.4225
45	100	Biased	7.2494	7.2474	-0.002
46	100	Biased	6.952	7.2181	0.2661
47	100	Biased	6.6887	7.3793	0.6906
48	100	Unbiased	7.1617	7.3842	0.2225
49	100	Unbiased	6.991	7.2474	0.2564
50	100	Unbiased	7.0251	7.1643	0.1392
51	100	Unbiased	6.835	7.1155	0.2805
52	100	Unbiased	6.8984	7.179	0.2806
53	0	Correlation	7.1227	7.1546	0.0319
54	0	Correlation	7.1519	7.2816	0.1297
55	0	Correlation	6.8935	7.0617	0.1682
56	0	Correlation	7.0251	7.1301	0.105

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	6.8935	7.0483	7.1519	0.11658	7.0617	7.157	7.2816	0.0919	0.0319	0.1087	0.1682	0.057426
3	6.6741	6.8789	7.1519	0.13742	6.9591	7.1599	7.5113	0.15155	0.1733	0.28106	0.3876	0.070836
10	6.757	6.9067	7.0983	0.11349	6.9444	7.1062	7.2034	0.074483	-0.0125	0.19949	0.4415	0.14561
30	6.7716	6.951	7.1617	0.13061	7.0666	7.1927	7.3598	0.084445	0.0709	0.24165	0.3976	0.10258
50	6.7862	7.0217	7.3811	0.18585	6.9835	7.2391	7.4771	0.15258	-0.1197	0.21738	0.4369	0.16881
100	6.6887	6.9842	7.2494	0.16153	7.1155	7.2586	7.3842	0.094746	-0.002	0.27446	0.6906	0.1827

Device Test: 6.42; VOH_RESET_2MA





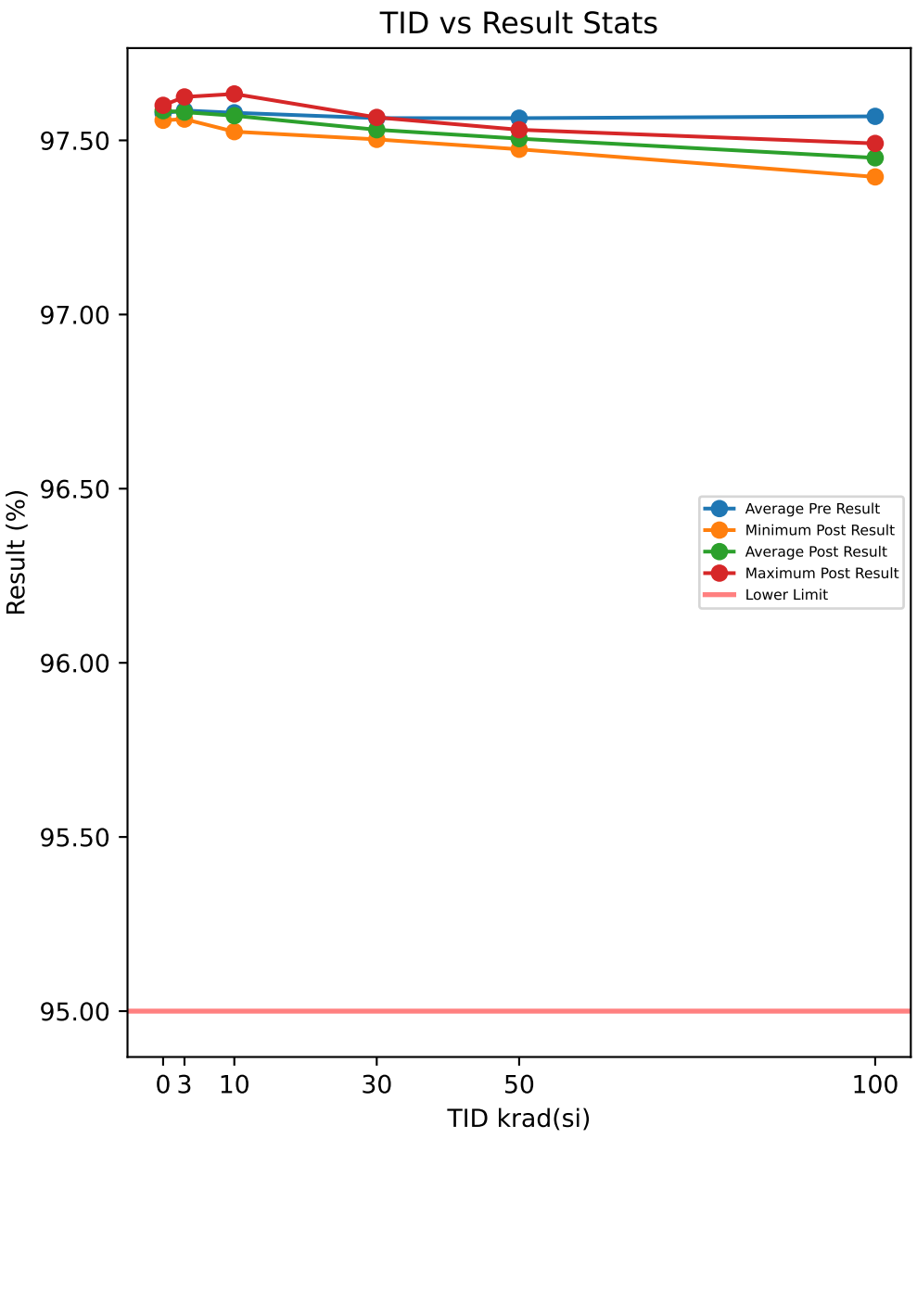
Test Results (Lower Limit = 95.0 (%))

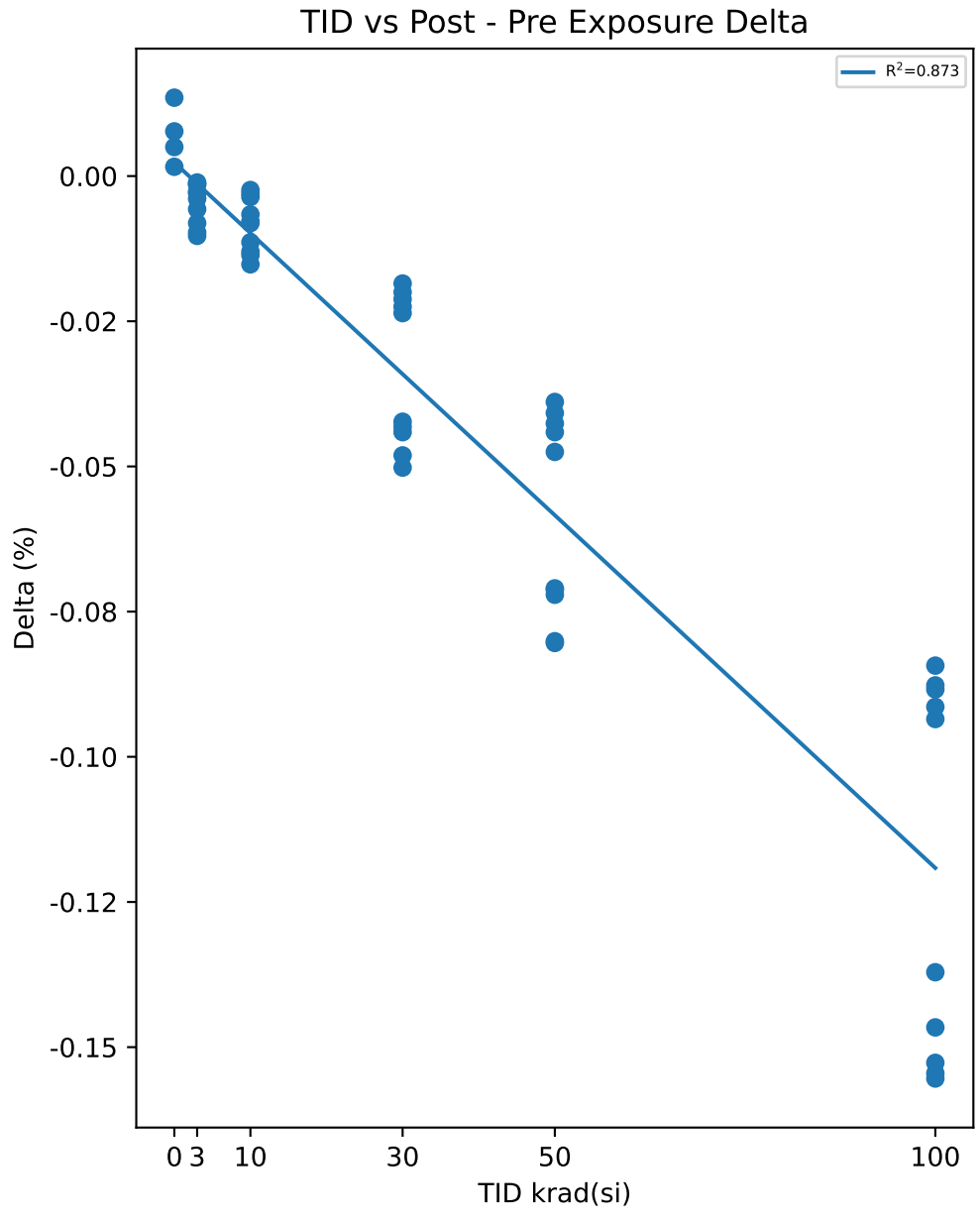
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	97.55	97.548	-0.0024
3	3	Biased	97.574	97.574	0
4	3	Biased	97.625	97.627	0.0022
5	3	Biased	97.54	97.546	0.0061
6	3	Biased	97.593	97.592	-0.0009
7	3	Unbiased	97.572	97.573	0.0013
8	3	Unbiased	97.573	97.572	-0.0012
9	3	Unbiased	97.553	97.558	0.0055
10	3	Unbiased	97.575	97.579	0.0037
11	3	Unbiased	97.551	97.553	0.0022
12	10	Unbiased	97.526	97.518	-0.0082
13	10	Unbiased	97.524	97.514	-0.0107
14	10	Unbiased	97.537	97.534	-0.0037
15	10	Unbiased	97.553	97.541	-0.0124
16	10	Unbiased	97.576	97.569	-0.0079
17	10	Biased	97.565	97.57	0.0046
18	10	Biased	97.564	97.568	0.0043
19	10	Biased	97.634	97.637	0.0034
20	10	Biased	97.577	97.585	0.0083
21	10	Biased	97.555	97.559	0.0043
22	30	Biased	97.529	97.512	-0.0164
23	30	Biased	97.507	97.498	-0.0091
24	30	Biased	97.537	97.515	-0.0229
25	30	Biased	97.577	97.558	-0.0183
26	30	Biased	97.554	97.54	-0.014
27	30	Unbiased	97.549	97.51	-0.0381
28	30	Unbiased	97.542	97.501	-0.0411
29	30	Unbiased	97.571	97.53	-0.0414
30	30	Unbiased	97.54	97.501	-0.0399
31	30	Unbiased	97.576	97.544	-0.032
32	50	Biased	97.555	97.525	-0.0305
33	50	Biased	97.556	97.515	-0.0409
34	50	Biased	97.533	97.5	-0.0326
35	50	Biased	97.551	97.511	-0.0396
36	50	Biased	97.526	97.49	-0.0354
37	50	Unbiased	97.554	97.486	-0.0685
39	50	Unbiased	97.547	97.477	-0.0707
40	50	Unbiased	97.571	97.509	-0.0616
41	50	Unbiased	97.531	97.459	-0.0723
42	50	Unbiased	97.547	97.472	-0.0753
43	100	Biased	97.565	97.489	-0.0759
44	100	Biased	97.543	97.462	-0.0817
45	100	Biased	97.531	97.441	-0.0897
46	100	Biased	97.552	97.479	-0.0722
47	100	Biased	97.552	97.474	-0.0786
48	100	Unbiased	97.547	97.402	-0.1454
49	100	Unbiased	97.557	97.408	-0.1494
50	100	Unbiased	97.563	97.427	-0.1357
51	100	Unbiased	97.566	97.419	-0.1475
52	100	Unbiased	97.532	97.385	-0.1476
53	0	Correlation	97.551	97.563	0.0122
54	0	Correlation	97.547	97.561	0.0144
55	0	Correlation	97.593	97.603	0.0101
56	0	Correlation	97.574	97.586	0.0119

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	97.547	97.566	97.593	0.021628	97.561	97.578	97.603	0.020077	0.0101	0.01215	0.0144	0.0017635
3	97.54	97.571	97.625	0.024929	97.546	97.572	97.627	0.024347	-0.0024	0.00165	0.0061	0.0028539
10	97.524	97.561	97.634	0.031652	97.514	97.559	97.637	0.036204	-0.0124	-0.0018	0.0083	0.0075849
30	97.507	97.548	97.577	0.022261	97.498	97.521	97.558	0.021008	-0.0414	-0.02732	-0.0091	0.012535
50	97.526	97.547	97.571	0.013597	97.459	97.494	97.525	0.021189	-0.0753	-0.05274	-0.0305	0.018423
100	97.531	97.551	97.566	0.012606	97.385	97.439	97.489	0.036113	-0.1494	-0.11237	-0.0722	0.034993

Device Test: 6.43; VOH_RESET_2MA





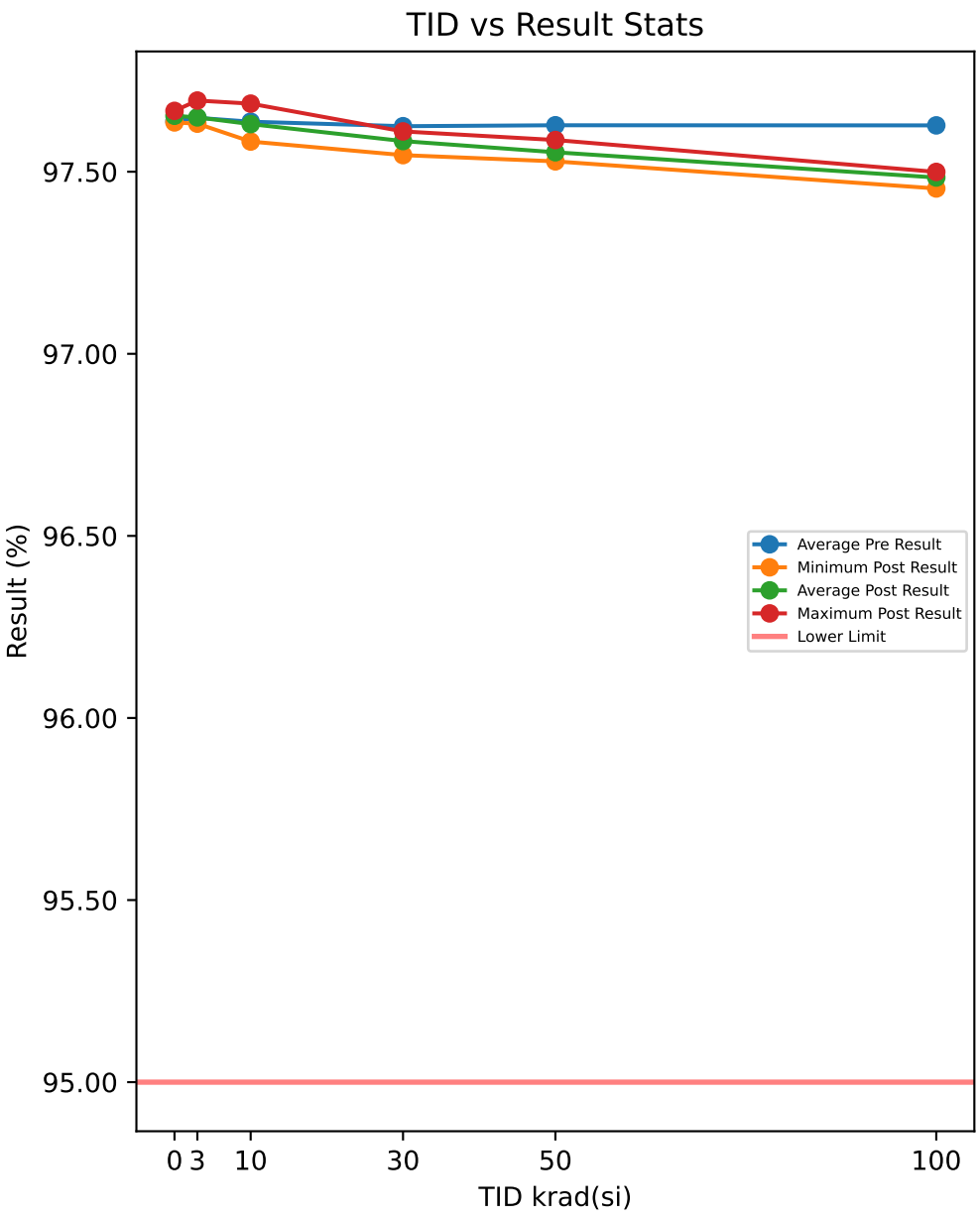
Test Results (Lower Limit = 95.0 (%))

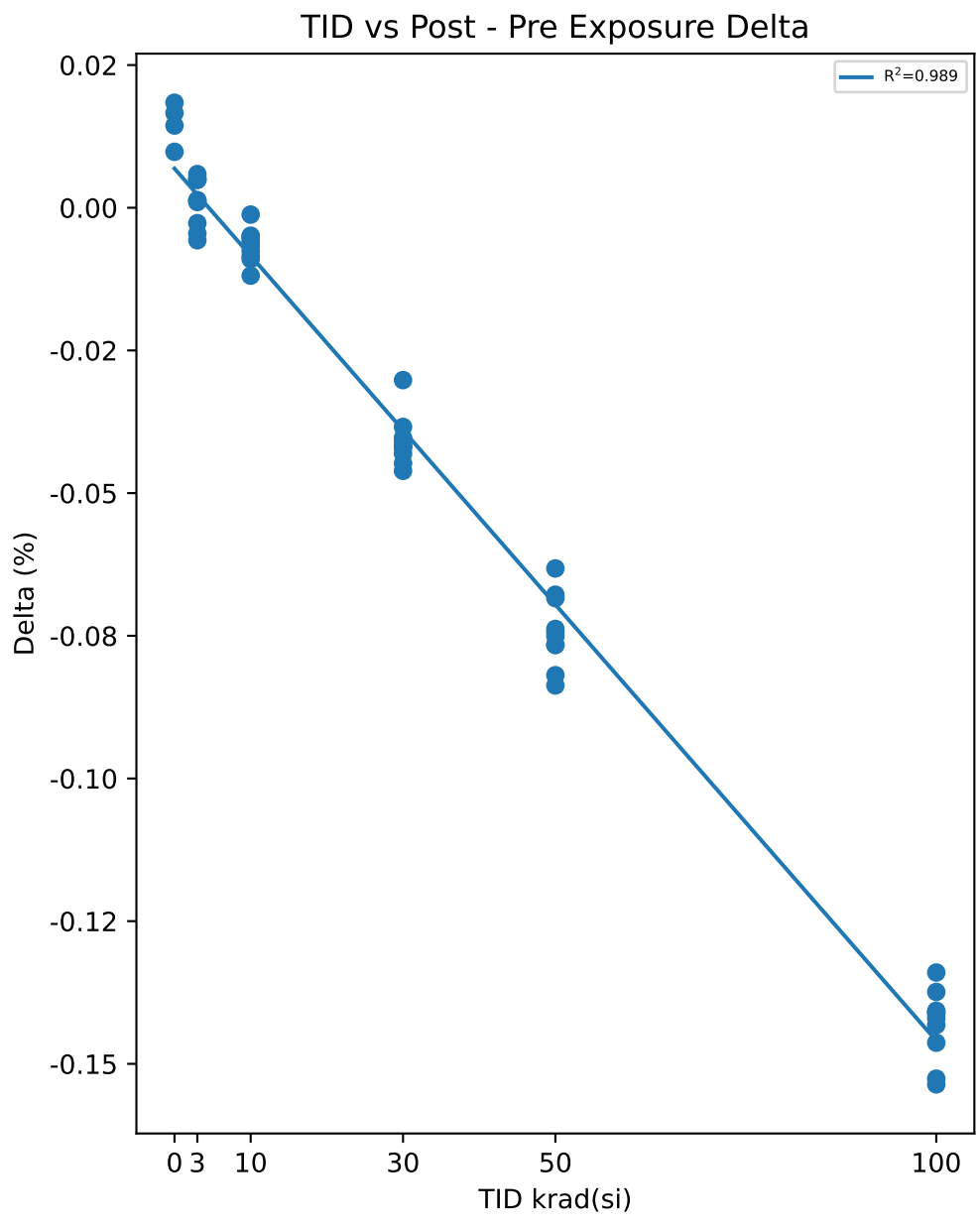
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	97.575	97.564	-0.0103
3	3	Biased	97.588	97.587	-0.0014
4	3	Biased	97.634	97.625	-0.0097
5	3	Biased	97.573	97.565	-0.0081
6	3	Biased	97.589	97.586	-0.0027
7	3	Unbiased	97.578	97.572	-0.0057
8	3	Unbiased	97.586	97.585	-0.0014
9	3	Unbiased	97.582	97.579	-0.0029
10	3	Unbiased	97.588	97.587	-0.0011
11	3	Unbiased	97.565	97.561	-0.0039
12	10	Unbiased	97.545	97.534	-0.0114
13	10	Unbiased	97.54	97.525	-0.0152
14	10	Unbiased	97.56	97.547	-0.013
15	10	Unbiased	97.569	97.563	-0.0066
16	10	Unbiased	97.604	97.59	-0.0136
17	10	Biased	97.591	97.588	-0.003
18	10	Biased	97.581	97.573	-0.0081
19	10	Biased	97.637	97.633	-0.0036
20	10	Biased	97.584	97.581	-0.0024
21	10	Biased	97.581	97.573	-0.0078
22	30	Biased	97.561	97.542	-0.0185
23	30	Biased	97.526	97.503	-0.0236
24	30	Biased	97.549	97.528	-0.0212
25	30	Biased	97.588	97.566	-0.0225
26	30	Biased	97.579	97.559	-0.02
27	30	Unbiased	97.555	97.513	-0.0423
28	30	Unbiased	97.556	97.505	-0.0502
29	30	Unbiased	97.579	97.536	-0.0432
30	30	Unbiased	97.561	97.513	-0.0481
31	30	Unbiased	97.584	97.54	-0.0441
32	50	Biased	97.571	97.531	-0.0408
33	50	Biased	97.571	97.528	-0.0426
34	50	Biased	97.546	97.499	-0.0475
35	50	Biased	97.559	97.515	-0.0441
36	50	Biased	97.54	97.501	-0.0389
37	50	Unbiased	97.563	97.492	-0.0712
39	50	Unbiased	97.579	97.499	-0.0801
40	50	Unbiased	97.584	97.513	-0.071
41	50	Unbiased	97.555	97.474	-0.0804
42	50	Unbiased	97.569	97.497	-0.0721
43	100	Biased	97.576	97.488	-0.0884
44	100	Biased	97.575	97.483	-0.0914
45	100	Biased	97.549	97.455	-0.0935
46	100	Biased	97.579	97.491	-0.0877
47	100	Biased	97.569	97.484	-0.0843
48	100	Unbiased	97.565	97.41	-0.1545
49	100	Unbiased	97.579	97.427	-0.1527
50	100	Unbiased	97.564	97.427	-0.1371
51	100	Unbiased	97.584	97.437	-0.1466
52	100	Unbiased	97.55	97.395	-0.1554
53	0	Correlation	97.585	97.59	0.005
54	0	Correlation	97.556	97.558	0.0016
55	0	Correlation	97.593	97.601	0.0077
56	0	Correlation	97.578	97.591	0.0135

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	97.556	97.578	97.593	0.015864	97.558	97.585	97.601	0.018809	0.0016	0.00695	0.0135	0.0050296
3	97.565	97.586	97.634	0.018797	97.561	97.581	97.625	0.018338	-0.0103	-0.00472	-0.0011	0.0035204
10	97.54	97.579	97.637	0.028387	97.525	97.571	97.633	0.03128	-0.0152	-0.00847	-0.0024	0.0046581
30	97.526	97.564	97.588	0.01906	97.503	97.53	97.566	0.022086	-0.0502	-0.03337	-0.0185	0.013137
50	97.54	97.564	97.584	0.014001	97.474	97.505	97.531	0.017042	-0.0804	-0.05887	-0.0389	0.017403
100	97.549	97.569	97.584	0.011984	97.395	97.45	97.491	0.035417	-0.1554	-0.11916	-0.0843	0.032218

Device Test: 6.44; VOH_RESET_2MA





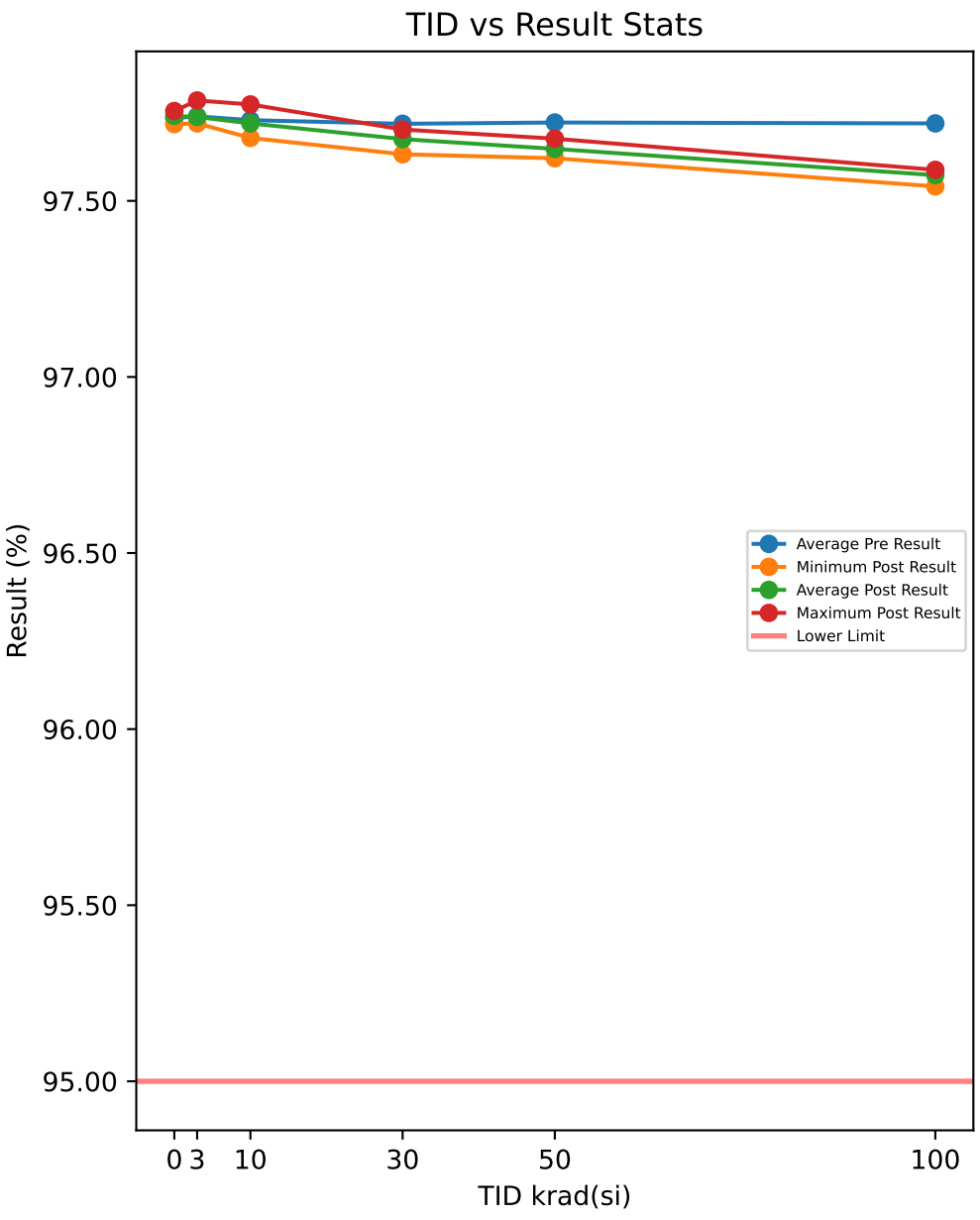
Test Results (Lower Limit = 95.0 (%))

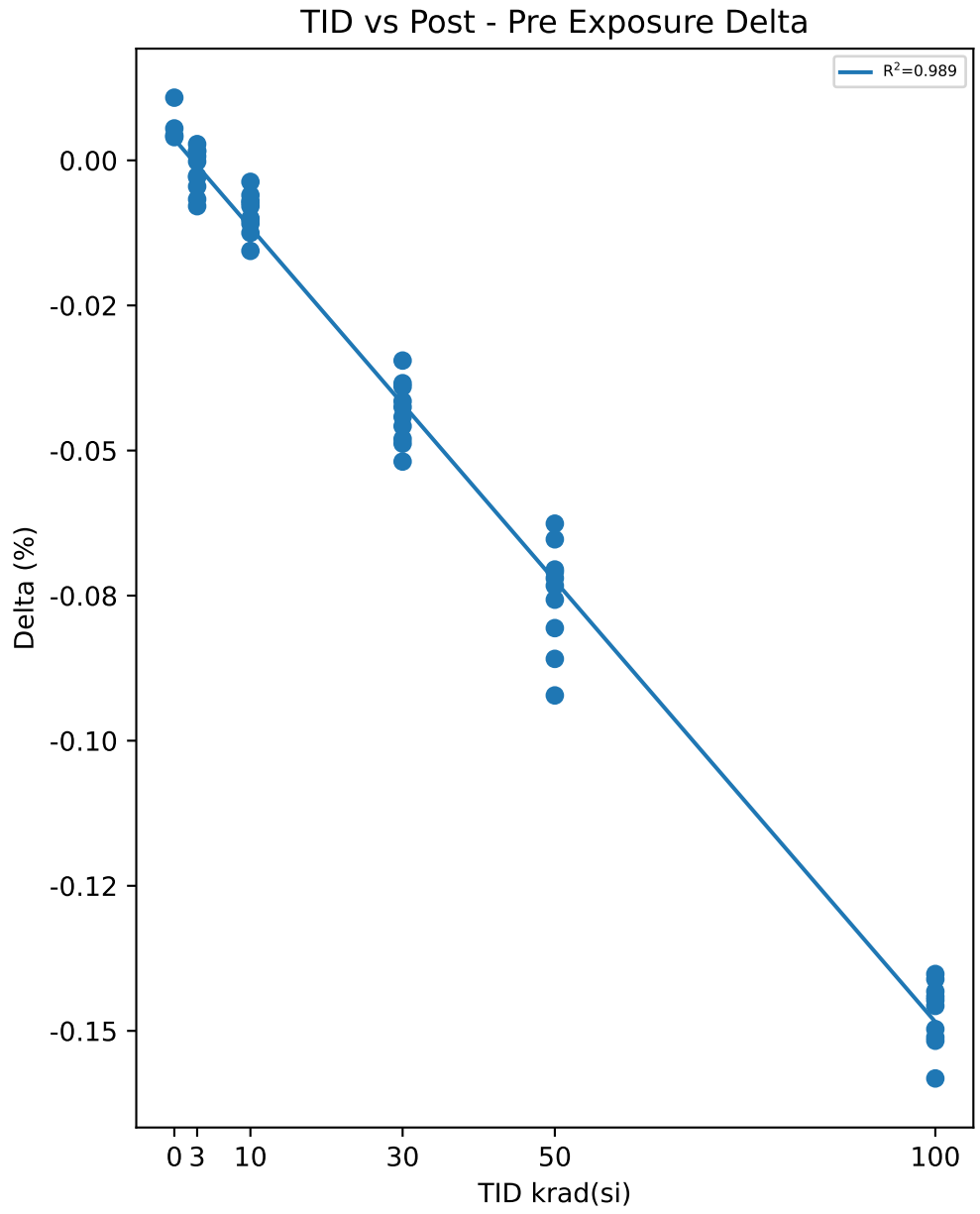
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	97.642	97.636	-0.0057
3	3	Biased	97.647	97.642	-0.0045
4	3	Biased	97.694	97.695	0.0013
5	3	Biased	97.634	97.64	0.0059
6	3	Biased	97.65	97.647	-0.0027
7	3	Unbiased	97.637	97.642	0.0049
8	3	Unbiased	97.649	97.654	0.0052
9	3	Unbiased	97.645	97.646	0.001
10	3	Unbiased	97.656	97.658	0.0013
11	3	Unbiased	97.627	97.632	0.0049
12	10	Unbiased	97.606	97.601	-0.0049
13	10	Unbiased	97.595	97.583	-0.0119
14	10	Unbiased	97.612	97.606	-0.0055
15	10	Unbiased	97.639	97.633	-0.0061
16	10	Unbiased	97.659	97.65	-0.0085
17	10	Biased	97.662	97.654	-0.0076
18	10	Biased	97.633	97.632	-0.0012
19	10	Biased	97.696	97.687	-0.009
20	10	Biased	97.644	97.637	-0.0067
21	10	Biased	97.629	97.624	-0.0051
22	30	Biased	97.628	97.586	-0.0418
23	30	Biased	97.589	97.546	-0.0431
24	30	Biased	97.613	97.567	-0.0461
25	30	Biased	97.656	97.611	-0.0448
26	30	Biased	97.639	97.597	-0.0421
27	30	Unbiased	97.62	97.58	-0.0403
28	30	Unbiased	97.619	97.578	-0.0415
29	30	Unbiased	97.633	97.595	-0.0384
30	30	Unbiased	97.623	97.582	-0.0406
31	30	Unbiased	97.631	97.601	-0.0302
32	50	Biased	97.637	97.56	-0.0766
33	50	Biased	97.635	97.561	-0.0738
34	50	Biased	97.612	97.531	-0.0819
35	50	Biased	97.612	97.528	-0.0837
36	50	Biased	97.608	97.532	-0.0766
37	50	Unbiased	97.637	97.569	-0.0684
39	50	Unbiased	97.64	97.566	-0.0744
40	50	Unbiased	97.65	97.587	-0.0632
41	50	Unbiased	97.613	97.538	-0.0751
42	50	Unbiased	97.631	97.563	-0.0678
43	100	Biased	97.627	97.486	-0.1407
44	100	Biased	97.646	97.493	-0.1526
45	100	Biased	97.608	97.454	-0.1536
46	100	Biased	97.636	97.49	-0.1463
47	100	Biased	97.621	97.479	-0.142
48	100	Unbiased	97.621	97.48	-0.1411
49	100	Unbiased	97.637	97.499	-0.1374
50	100	Unbiased	97.627	97.493	-0.134
51	100	Unbiased	97.637	97.496	-0.1411
52	100	Unbiased	97.614	97.471	-0.1432
53	0	Correlation	97.644	97.654	0.0098
54	0	Correlation	97.617	97.635	0.0184
55	0	Correlation	97.653	97.667	0.0144
56	0	Correlation	97.642	97.658	0.0166

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	97.617	97.639	97.653	0.01534	97.635	97.654	97.667	0.013363	0.0098	0.0148	0.0184	0.003713
3	97.627	97.648	97.694	0.018273	97.632	97.649	97.695	0.017978	-0.0057	0.00116	0.0059	0.0042272
10	97.595	97.637	97.696	0.029924	97.583	97.631	97.687	0.029706	-0.0119	-0.00665	-0.0012	0.0028714
30	97.589	97.625	97.656	0.017551	97.546	97.584	97.611	0.01861	-0.0461	-0.04089	-0.0302	0.0043575
50	97.608	97.628	97.65	0.014712	97.528	97.553	97.587	0.019885	-0.0837	-0.07415	-0.0632	0.0063038
100	97.608	97.627	97.646	0.01178	97.454	97.484	97.499	0.013708	-0.1536	-0.1432	-0.134	0.0061547

Device Test: 6.45; VOH_RESET_2MA





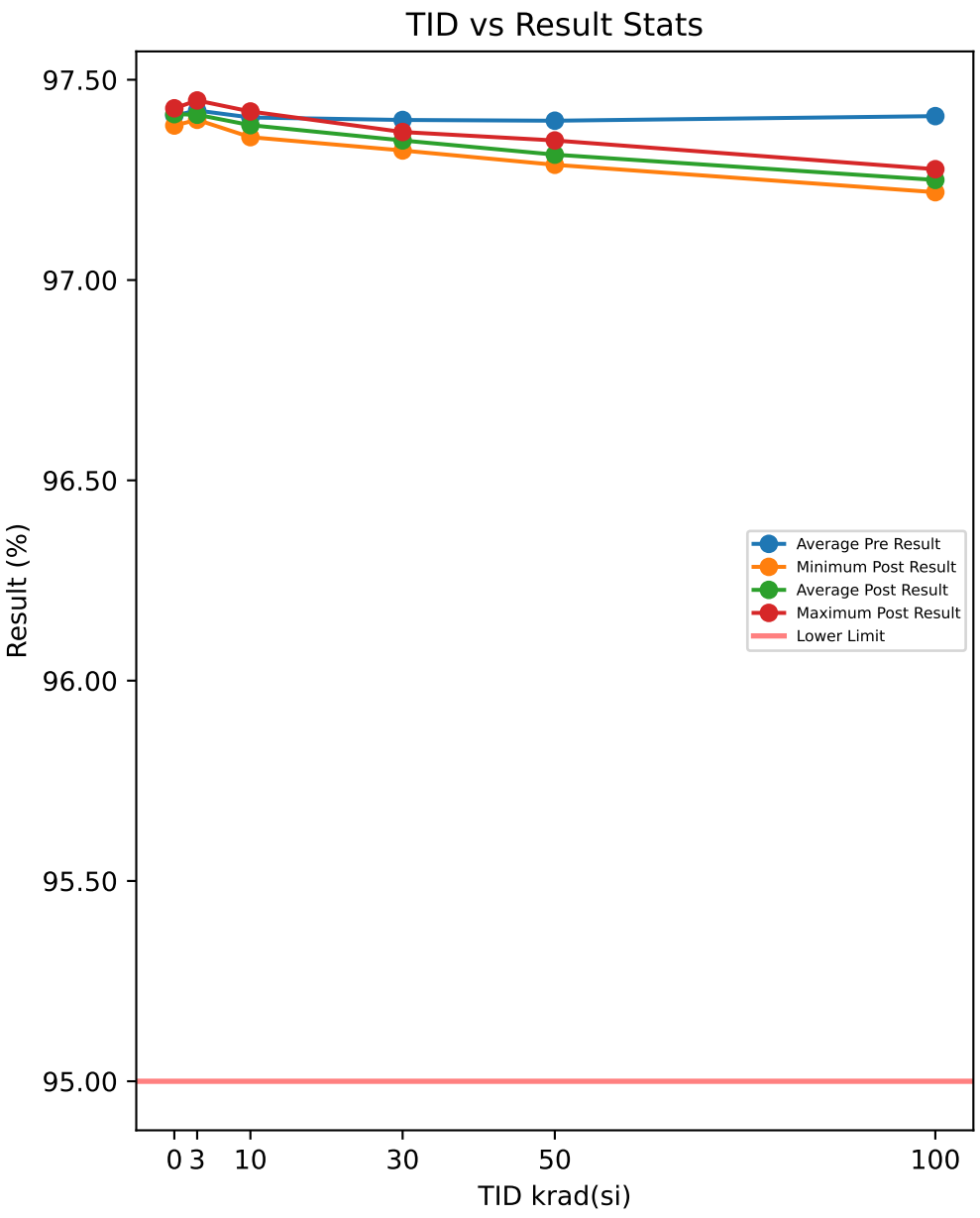
Test Results (Lower Limit = 95.0 (%))

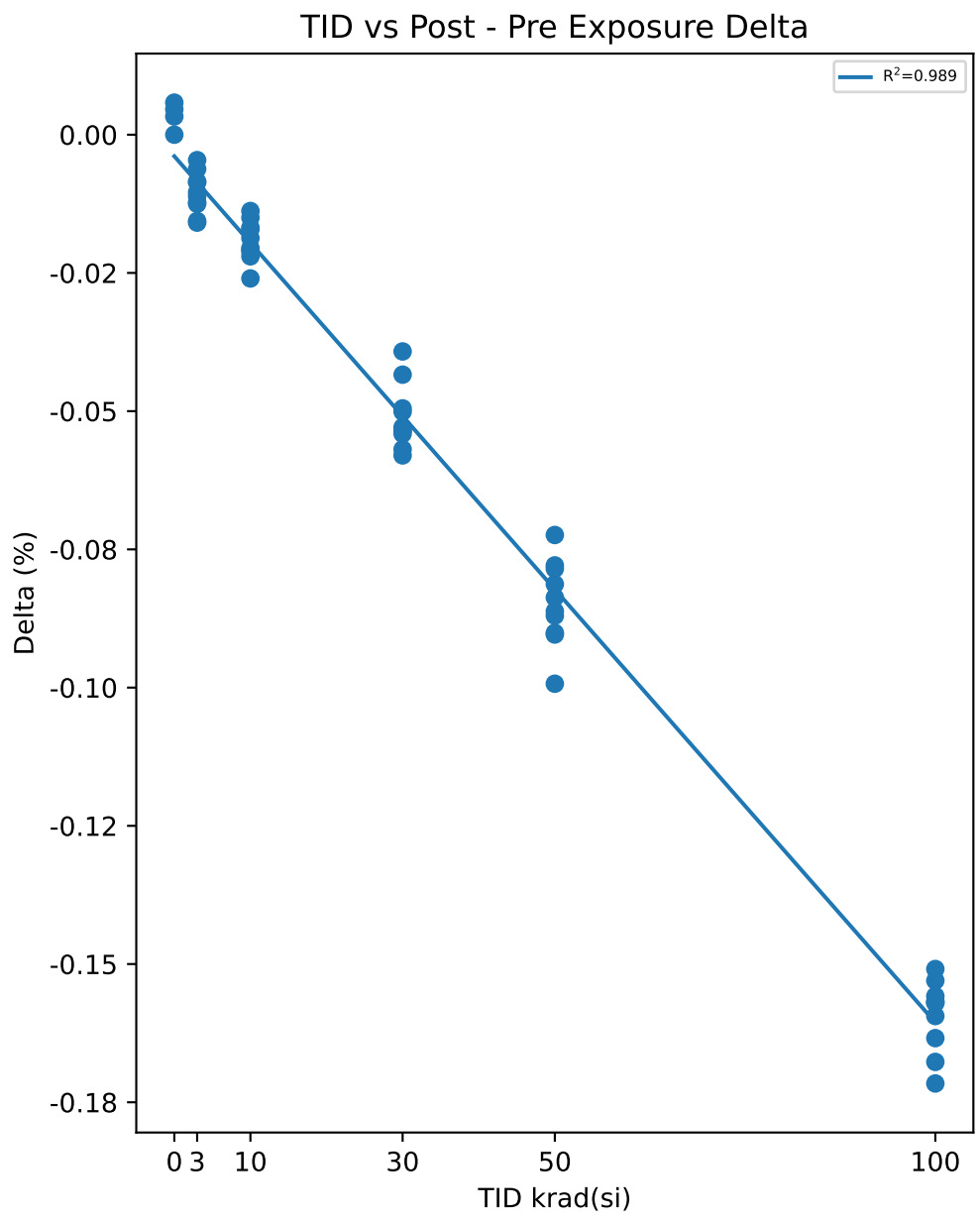
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	97.733	97.73	-0.0027
3	3	Biased	97.745	97.737	-0.0079
4	3	Biased	97.788	97.785	-0.0029
5	3	Biased	97.733	97.726	-0.0067
6	3	Biased	97.738	97.741	0.0028
7	3	Unbiased	97.718	97.72	0.0016
8	3	Unbiased	97.74	97.735	-0.0045
9	3	Unbiased	97.734	97.735	0.0007
10	3	Unbiased	97.747	97.748	0.0016
11	3	Unbiased	97.725	97.724	-0.0002
12	10	Unbiased	97.707	97.691	-0.0156
13	10	Unbiased	97.686	97.679	-0.0073
14	10	Unbiased	97.711	97.703	-0.0079
15	10	Unbiased	97.736	97.725	-0.0109
16	10	Unbiased	97.74	97.733	-0.007
17	10	Biased	97.747	97.741	-0.006
18	10	Biased	97.732	97.719	-0.0125
19	10	Biased	97.784	97.774	-0.0102
20	10	Biased	97.734	97.724	-0.01
21	10	Biased	97.715	97.711	-0.0037
22	30	Biased	97.723	97.677	-0.0458
23	30	Biased	97.675	97.632	-0.0425
24	30	Biased	97.712	97.66	-0.0519
25	30	Biased	97.751	97.703	-0.0488
26	30	Biased	97.73	97.686	-0.0442
27	30	Unbiased	97.717	97.675	-0.0415
28	30	Unbiased	97.72	97.672	-0.048
29	30	Unbiased	97.725	97.686	-0.0384
30	30	Unbiased	97.711	97.677	-0.0345
31	30	Unbiased	97.725	97.686	-0.039
32	50	Biased	97.728	97.652	-0.0757
33	50	Biased	97.729	97.658	-0.0705
34	50	Biased	97.707	97.621	-0.0859
35	50	Biased	97.716	97.624	-0.0922
36	50	Biased	97.706	97.625	-0.0806
37	50	Unbiased	97.731	97.665	-0.0653
39	50	Unbiased	97.734	97.662	-0.072
40	50	Unbiased	97.739	97.677	-0.0626
41	50	Unbiased	97.71	97.636	-0.0733
42	50	Unbiased	97.726	97.655	-0.0709
43	100	Biased	97.72	97.579	-0.1402
44	100	Biased	97.733	97.582	-0.1511
45	100	Biased	97.699	97.541	-0.1582
46	100	Biased	97.74	97.588	-0.1517
47	100	Biased	97.717	97.572	-0.1447
48	100	Unbiased	97.718	97.574	-0.1432
49	100	Unbiased	97.726	97.576	-0.1497
50	100	Unbiased	97.718	97.576	-0.1411
51	100	Unbiased	97.728	97.584	-0.1441
52	100	Unbiased	97.702	97.556	-0.1457
53	0	Correlation	97.736	97.747	0.0108
54	0	Correlation	97.714	97.718	0.004
55	0	Correlation	97.75	97.755	0.0055
56	0	Correlation	97.74	97.745	0.0043

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	97.714	97.735	97.75	0.015152	97.718	97.741	97.755	0.016133	0.004	0.00615	0.0108	0.003167
3	97.718	97.74	97.788	0.018954	97.72	97.738	97.785	0.018505	-0.0079	-0.00182	0.0028	0.0037061
10	97.686	97.729	97.784	0.0267	97.679	97.72	97.774	0.026764	-0.0156	-0.00911	-0.0037	0.0034469
30	97.675	97.719	97.751	0.019205	97.632	97.675	97.703	0.018806	-0.0519	-0.04346	-0.0345	0.0053429
50	97.706	97.722	97.739	0.011972	97.621	97.648	97.677	0.019608	-0.0922	-0.0749	-0.0626	0.0090872
100	97.699	97.72	97.74	0.012725	97.541	97.573	97.588	0.014181	-0.1582	-0.14697	-0.1402	0.0056026

Device Test: 6.46; VOH_WDO_2MA





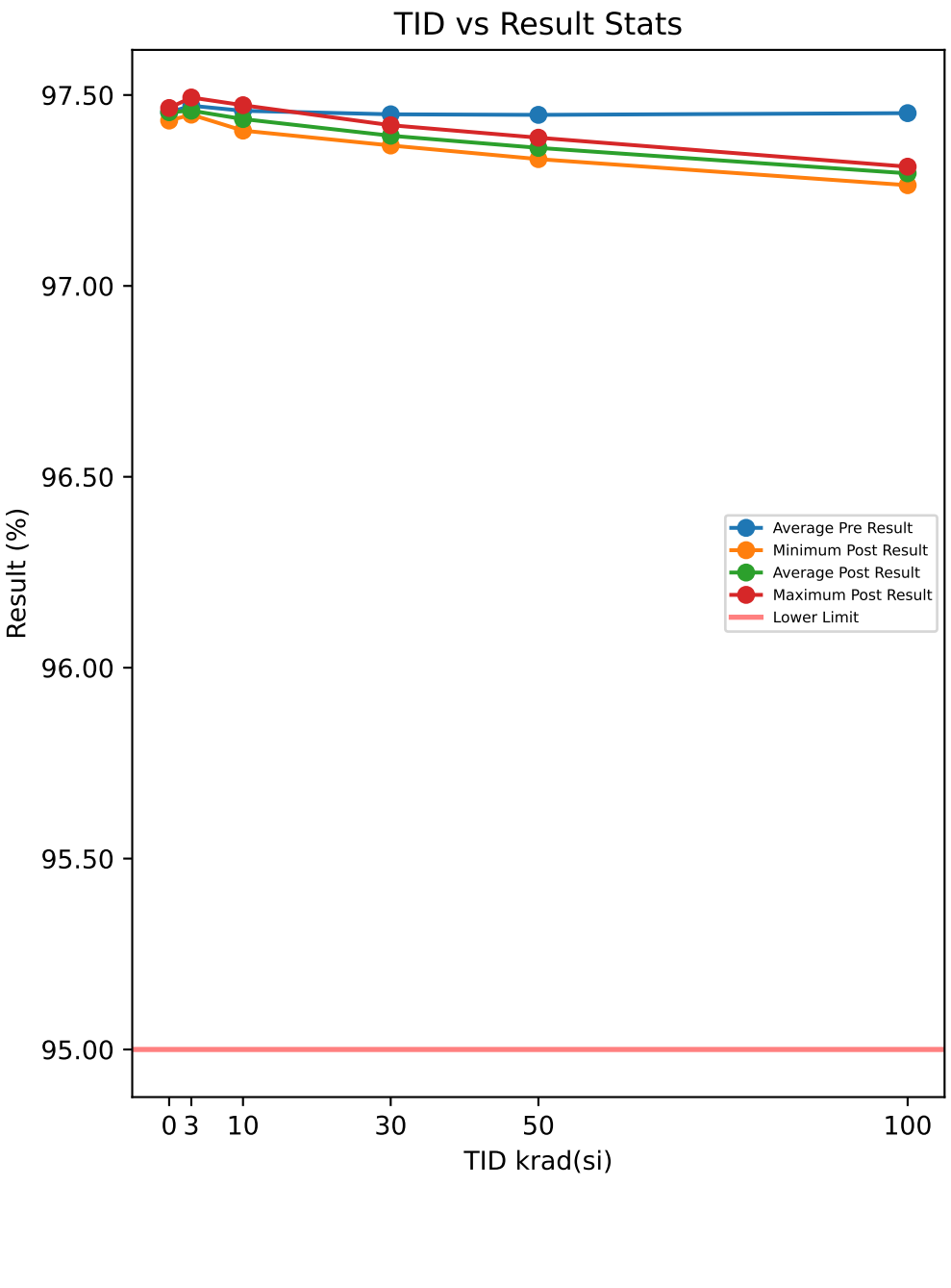
Test Results (Lower Limit = 95.0 (%))

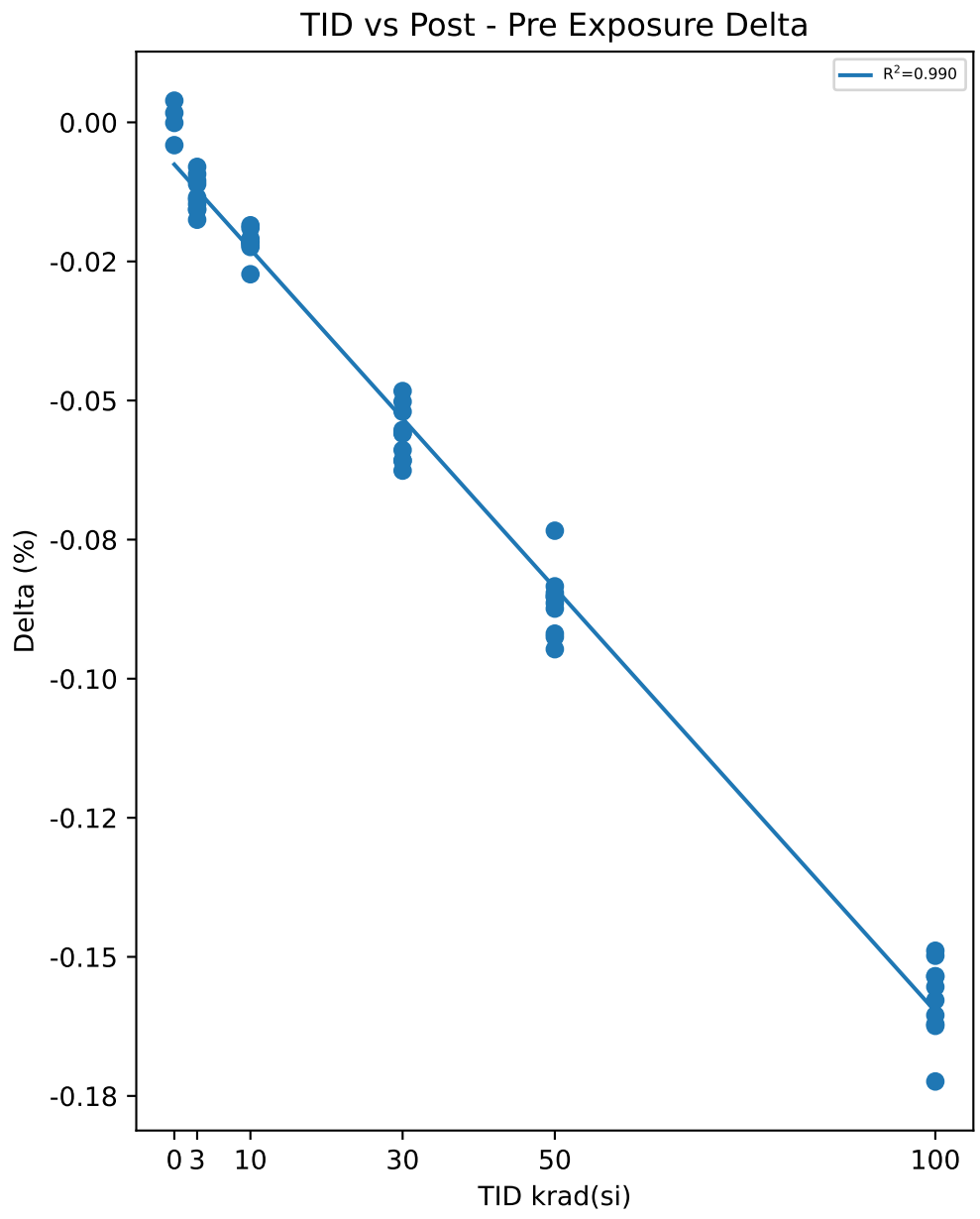
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	97.431	97.415	-0.0159
3	3	Biased	97.424	97.408	-0.0156
4	3	Biased	97.457	97.448	-0.0085
5	3	Biased	97.406	97.4	-0.0062
6	3	Biased	97.424	97.415	-0.0086
7	3	Unbiased	97.41	97.4	-0.0104
8	3	Unbiased	97.419	97.414	-0.0046
9	3	Unbiased	97.427	97.415	-0.0122
10	3	Unbiased	97.423	97.41	-0.0125
11	3	Unbiased	97.411	97.4	-0.0111
12	10	Unbiased	97.385	97.371	-0.0138
13	10	Unbiased	97.377	97.357	-0.0208
14	10	Unbiased	97.395	97.377	-0.0187
15	10	Unbiased	97.41	97.389	-0.0205
16	10	Unbiased	97.423	97.402	-0.0211
17	10	Biased	97.415	97.4	-0.015
18	10	Biased	97.403	97.381	-0.022
19	10	Biased	97.438	97.421	-0.0168
20	10	Biased	97.415	97.389	-0.026
21	10	Biased	97.396	97.379	-0.0171
22	30	Biased	97.406	97.353	-0.0535
23	30	Biased	97.38	97.323	-0.0569
24	30	Biased	97.384	97.33	-0.0541
25	30	Biased	97.427	97.37	-0.058
26	30	Biased	97.413	97.363	-0.0501
27	30	Unbiased	97.396	97.347	-0.0495
28	30	Unbiased	97.397	97.354	-0.0434
29	30	Unbiased	97.395	97.342	-0.0529
30	30	Unbiased	97.397	97.344	-0.0535
31	30	Unbiased	97.4	97.36	-0.0392
32	50	Biased	97.404	97.318	-0.0862
33	50	Biased	97.421	97.331	-0.0901
34	50	Biased	97.378	97.288	-0.0904
35	50	Biased	97.397	97.298	-0.0993
36	50	Biased	97.372	97.288	-0.0837
37	50	Unbiased	97.394	97.316	-0.0785
39	50	Unbiased	97.407	97.326	-0.0813
40	50	Unbiased	97.421	97.348	-0.0724
41	50	Unbiased	97.391	97.305	-0.087
42	50	Unbiased	97.39	97.312	-0.0779
43	100	Biased	97.402	97.245	-0.157
44	100	Biased	97.431	97.263	-0.1677
45	100	Biased	97.391	97.219	-0.1716
46	100	Biased	97.421	97.262	-0.1594
47	100	Biased	97.409	97.259	-0.1509
48	100	Unbiased	97.415	97.258	-0.157
49	100	Unbiased	97.412	97.256	-0.1558
50	100	Unbiased	97.397	97.241	-0.1567
51	100	Unbiased	97.43	97.277	-0.153
52	100	Unbiased	97.384	97.22	-0.1634
53	0	Correlation	97.416	97.421	0.0046
54	0	Correlation	97.382	97.386	0.0033
55	0	Correlation	97.421	97.421	0
56	0	Correlation	97.423	97.429	0.0058

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	97.382	97.411	97.423	0.019021	97.386	97.414	97.429	0.019267	0	0.003425	0.0058	0.0025012
3	97.406	97.423	97.457	0.01424	97.4	97.413	97.448	0.014138	-0.0159	-0.01056	-0.0046	0.0037014
10	97.377	97.406	97.438	0.018038	97.357	97.387	97.421	0.017967	-0.026	-0.01918	-0.0138	0.0036386
30	97.38	97.4	97.427	0.013598	97.323	97.348	97.37	0.014438	-0.058	-0.05111	-0.0392	0.0058639
50	97.372	97.398	97.421	0.016207	97.288	97.313	97.348	0.019217	-0.0993	-0.08468	-0.0724	0.0076802
100	97.384	97.409	97.431	0.015778	97.219	97.25	97.277	0.018651	-0.1716	-0.15925	-0.1509	0.0064849

Device Test: 6.47; VOH_PWRGD_2MA





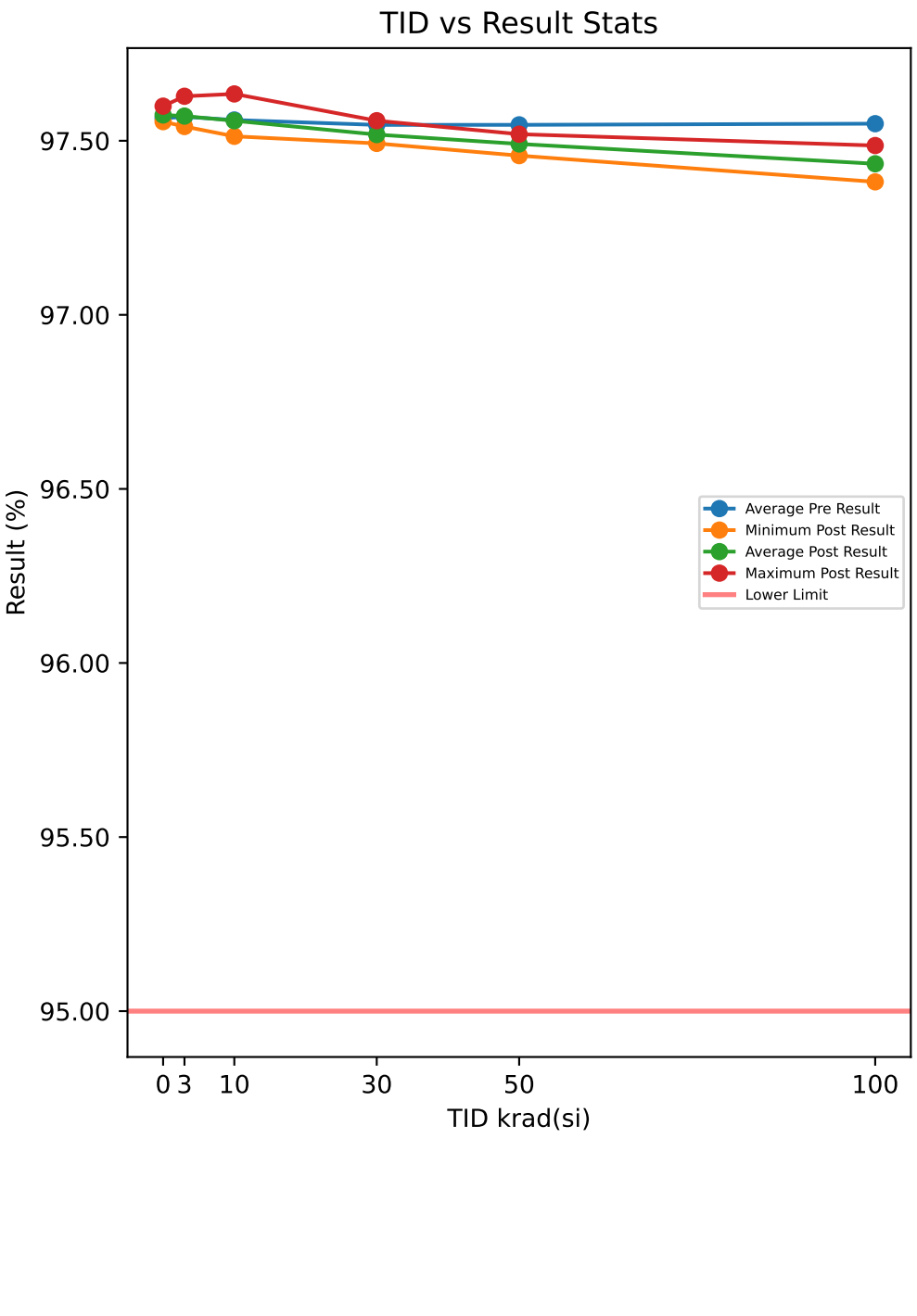
Test Results (Lower Limit = 95.0 (%))

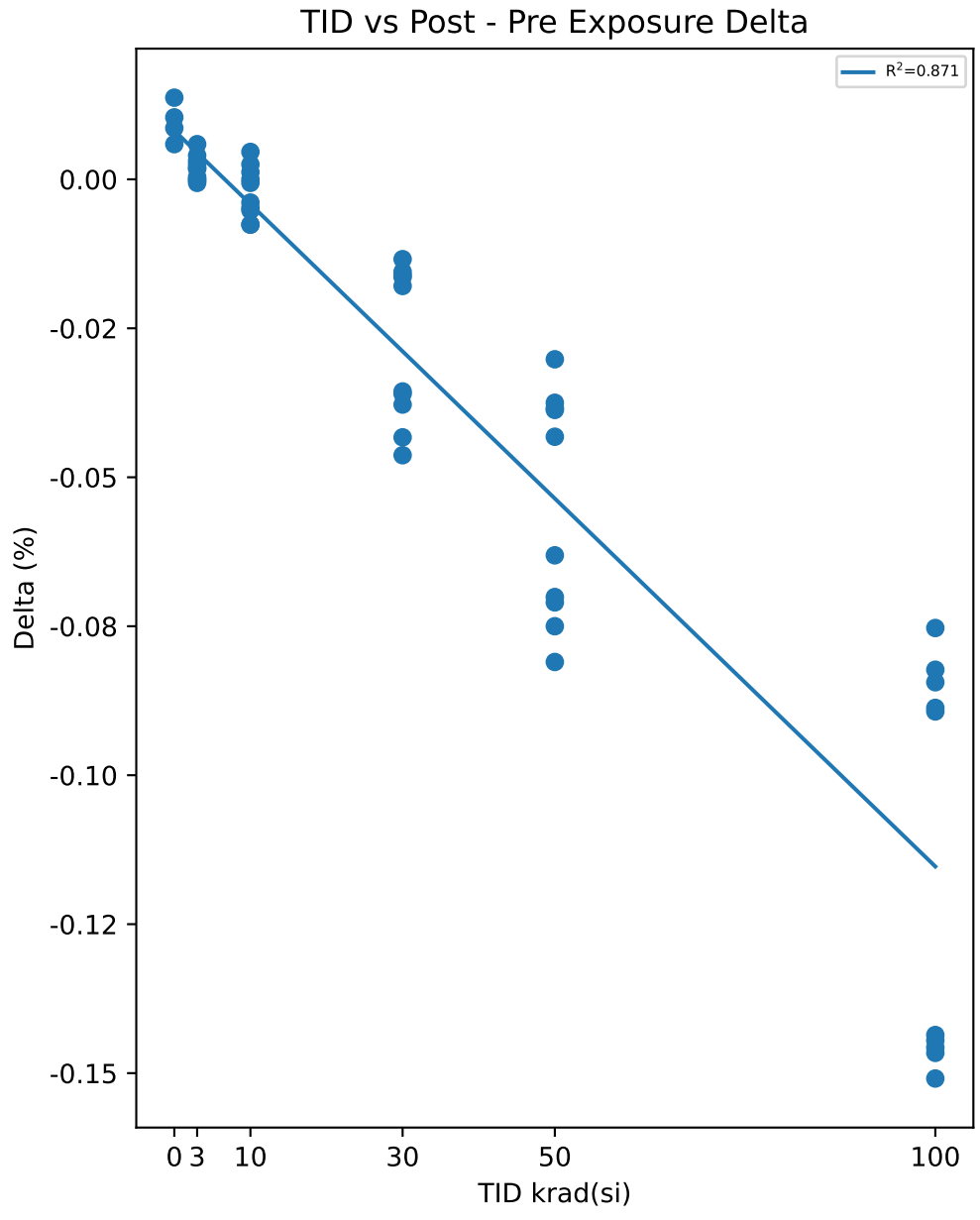
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	97.47	97.454	-0.0157
3	3	Biased	97.472	97.455	-0.0175
4	3	Biased	97.509	97.493	-0.0156
5	3	Biased	97.465	97.45	-0.0147
6	3	Biased	97.469	97.455	-0.0139
7	3	Unbiased	97.459	97.449	-0.0105
8	3	Unbiased	97.471	97.463	-0.008
9	3	Unbiased	97.468	97.459	-0.0093
10	3	Unbiased	97.471	97.46	-0.0111
11	3	Unbiased	97.465	97.451	-0.0135
12	10	Unbiased	97.445	97.417	-0.0273
13	10	Unbiased	97.429	97.407	-0.0221
14	10	Unbiased	97.442	97.42	-0.0214
15	10	Unbiased	97.465	97.444	-0.0209
16	10	Unbiased	97.472	97.453	-0.019
17	10	Biased	97.476	97.453	-0.0224
18	10	Biased	97.454	97.432	-0.0217
19	10	Biased	97.492	97.473	-0.0185
20	10	Biased	97.464	97.442	-0.0215
21	10	Biased	97.451	97.429	-0.0215
22	30	Biased	97.463	97.402	-0.0608
23	30	Biased	97.424	97.368	-0.0559
24	30	Biased	97.44	97.377	-0.0626
25	30	Biased	97.482	97.421	-0.0608
26	30	Biased	97.468	97.416	-0.052
27	30	Unbiased	97.442	97.386	-0.0559
28	30	Unbiased	97.449	97.39	-0.0589
29	30	Unbiased	97.432	97.382	-0.0502
30	30	Unbiased	97.44	97.385	-0.0553
31	30	Unbiased	97.455	97.406	-0.0483
32	50	Biased	97.444	97.356	-0.0874
33	50	Biased	97.473	97.38	-0.0925
34	50	Biased	97.427	97.332	-0.0947
35	50	Biased	97.439	97.347	-0.0919
36	50	Biased	97.437	97.352	-0.0852
37	50	Unbiased	97.454	97.37	-0.0846
39	50	Unbiased	97.468	97.382	-0.0853
40	50	Unbiased	97.462	97.388	-0.0734
41	50	Unbiased	97.437	97.35	-0.0864
42	50	Unbiased	97.441	97.358	-0.0834
43	100	Biased	97.44	97.291	-0.1489
44	100	Biased	97.474	97.312	-0.1621
45	100	Biased	97.436	97.264	-0.1724
46	100	Biased	97.464	97.303	-0.1605
47	100	Biased	97.458	97.3	-0.1578
48	100	Unbiased	97.456	97.3	-0.1554
49	100	Unbiased	97.463	97.301	-0.1624
50	100	Unbiased	97.442	97.292	-0.1498
51	100	Unbiased	97.464	97.31	-0.1535
52	100	Unbiased	97.429	97.275	-0.1535
53	0	Correlation	97.456	97.458	0.0017
54	0	Correlation	97.433	97.433	-0.0001
55	0	Correlation	97.47	97.466	-0.0041
56	0	Correlation	97.459	97.463	0.0039

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	97.433	97.455	97.47	0.0155	97.433	97.455	97.466	0.014972	-0.0041	0.00035	0.0039	0.0033877
3	97.459	97.472	97.509	0.013644	97.449	97.459	97.493	0.012935	-0.0175	-0.01298	-0.008	0.0031055
10	97.429	97.459	97.492	0.018502	97.407	97.437	97.473	0.019916	-0.0273	-0.02163	-0.0185	0.0023641
30	97.424	97.449	97.482	0.017608	97.368	97.393	97.421	0.017319	-0.0626	-0.05607	-0.0483	0.0048009
50	97.427	97.448	97.473	0.015194	97.332	97.362	97.388	0.017981	-0.0947	-0.08648	-0.0734	0.0059738
100	97.429	97.453	97.474	0.014895	97.264	97.295	97.312	0.015203	-0.1724	-0.15763	-0.1489	0.0070377

Device Test: 6.48; VOH_RESET_2MA





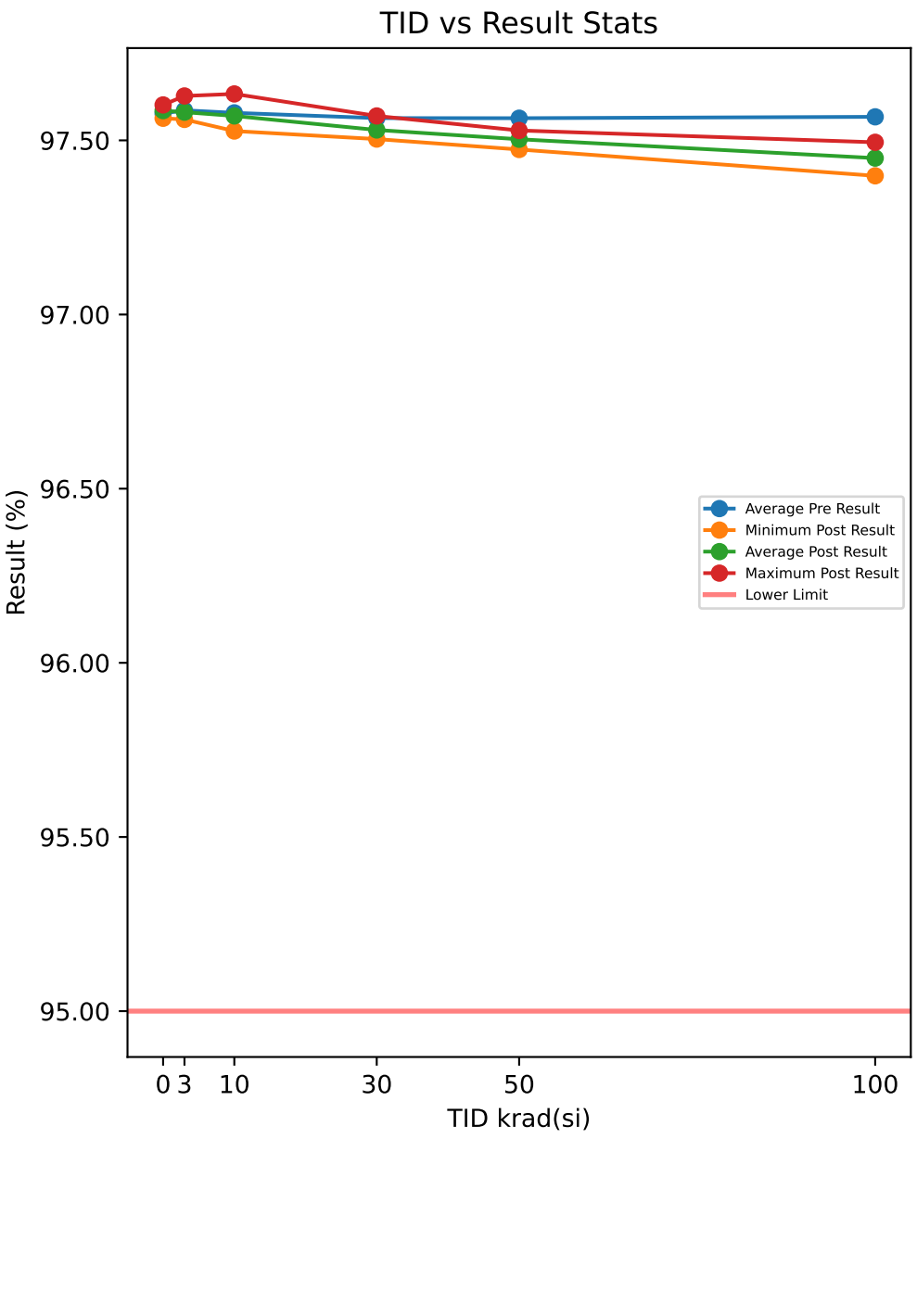
Test Results (Lower Limit = 95.0 (%))

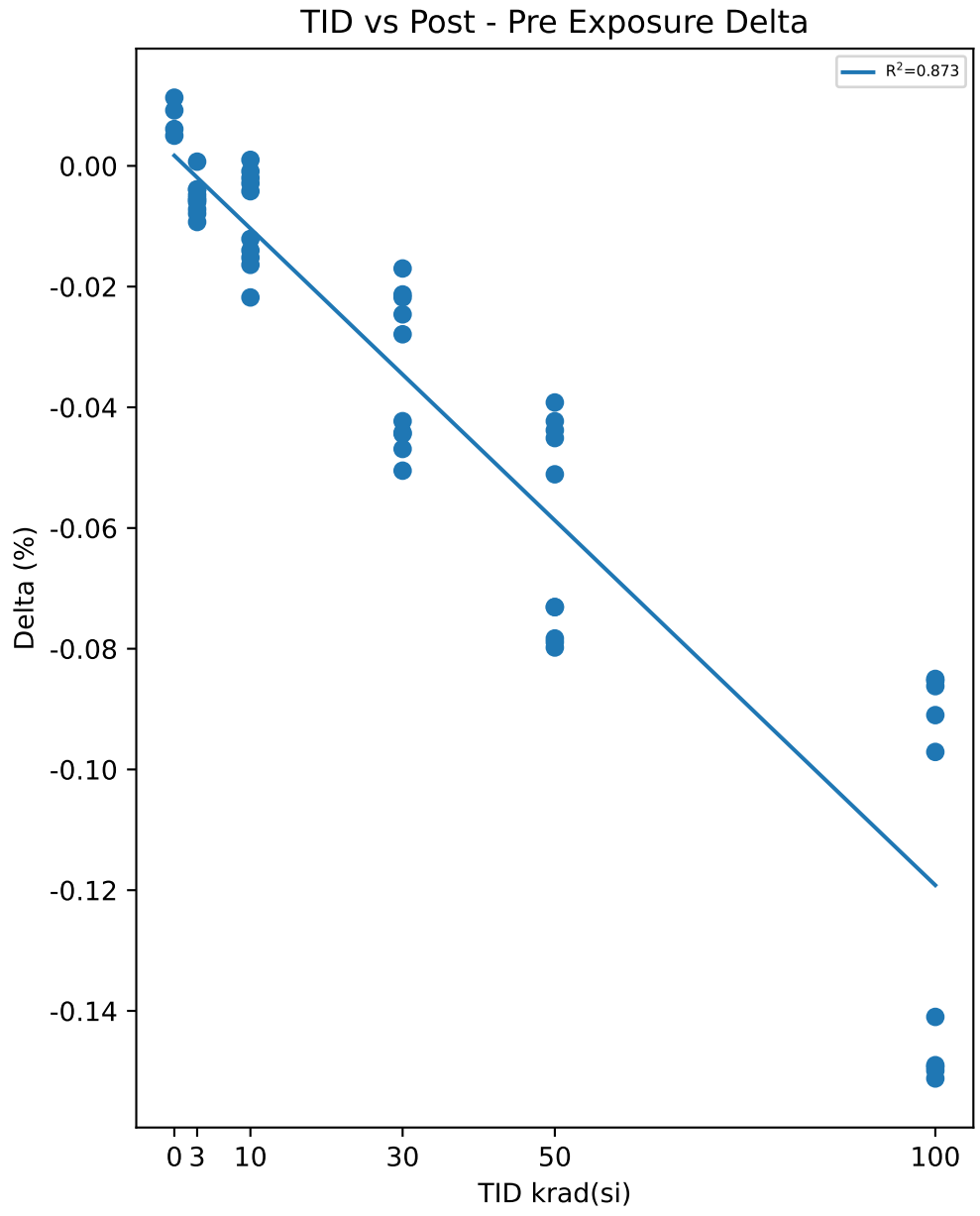
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	97.544	97.544	0
3	3	Biased	97.577	97.578	0.0004
4	3	Biased	97.622	97.628	0.0059
5	3	Biased	97.538	97.541	0.0025
6	3	Biased	97.59	97.59	-0.0002
7	3	Unbiased	97.57	97.571	0.0019
8	3	Unbiased	97.567	97.571	0.004
9	3	Unbiased	97.557	97.56	0.0031
10	3	Unbiased	97.573	97.575	0.0018
11	3	Unbiased	97.551	97.55	-0.0006
12	10	Unbiased	97.528	97.523	-0.0048
13	10	Unbiased	97.52	97.513	-0.0076
14	10	Unbiased	97.539	97.534	-0.0052
15	10	Unbiased	97.55	97.542	-0.0076
16	10	Unbiased	97.572	97.568	-0.0039
17	10	Biased	97.562	97.562	-0.0006
18	10	Biased	97.564	97.564	0
19	10	Biased	97.63	97.635	0.0046
20	10	Biased	97.577	97.579	0.0025
21	10	Biased	97.555	97.556	0.0012
22	30	Biased	97.527	97.511	-0.0161
23	30	Biased	97.51	97.493	-0.0164
24	30	Biased	97.529	97.511	-0.0179
25	30	Biased	97.571	97.558	-0.0134
26	30	Biased	97.554	97.538	-0.0155
27	30	Unbiased	97.542	97.506	-0.036
28	30	Unbiased	97.539	97.492	-0.0463
29	30	Unbiased	97.569	97.526	-0.0433
30	30	Unbiased	97.539	97.501	-0.0378
31	30	Unbiased	97.576	97.541	-0.0356
32	50	Biased	97.556	97.519	-0.0375
33	50	Biased	97.555	97.516	-0.0384
34	50	Biased	97.53	97.492	-0.0387
35	50	Biased	97.548	97.505	-0.0432
36	50	Biased	97.519	97.489	-0.0302
37	50	Unbiased	97.55	97.479	-0.071
39	50	Unbiased	97.548	97.478	-0.0701
40	50	Unbiased	97.57	97.507	-0.0631
41	50	Unbiased	97.532	97.457	-0.075
42	50	Unbiased	97.547	97.466	-0.081
43	100	Biased	97.562	97.486	-0.0753
44	100	Biased	97.547	97.457	-0.0893
45	100	Biased	97.528	97.439	-0.0887
46	100	Biased	97.551	97.466	-0.0844
47	100	Biased	97.553	97.471	-0.0823
48	100	Unbiased	97.545	97.4	-0.1445
49	100	Unbiased	97.556	97.405	-0.1509
50	100	Unbiased	97.562	97.419	-0.1436
51	100	Unbiased	97.559	97.413	-0.1466
52	100	Unbiased	97.528	97.382	-0.1457
53	0	Correlation	97.554	97.56	0.0059
54	0	Correlation	97.544	97.555	0.0104
55	0	Correlation	97.591	97.599	0.0086
56	0	Correlation	97.568	97.582	0.0137

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	97.544	97.564	97.591	0.020101	97.555	97.574	97.599	0.020552	0.0059	0.00965	0.0137	0.0032726
3	97.538	97.569	97.622	0.024383	97.541	97.571	97.628	0.025417	-0.0006	0.00188	0.0059	0.0020746
10	97.52	97.56	97.63	0.030736	97.513	97.557	97.635	0.034249	-0.0076	-0.00214	0.0046	0.0042717
30	97.51	97.546	97.576	0.021614	97.492	97.518	97.558	0.02194	-0.0463	-0.02783	-0.0134	0.013056
50	97.519	97.546	97.57	0.014699	97.457	97.491	97.519	0.020841	-0.081	-0.05482	-0.0302	0.018936
100	97.528	97.549	97.562	0.012619	97.382	97.434	97.486	0.035077	-0.1509	-0.11513	-0.0753	0.033085

Device Test: 6.49; VOH_RESET_2MA





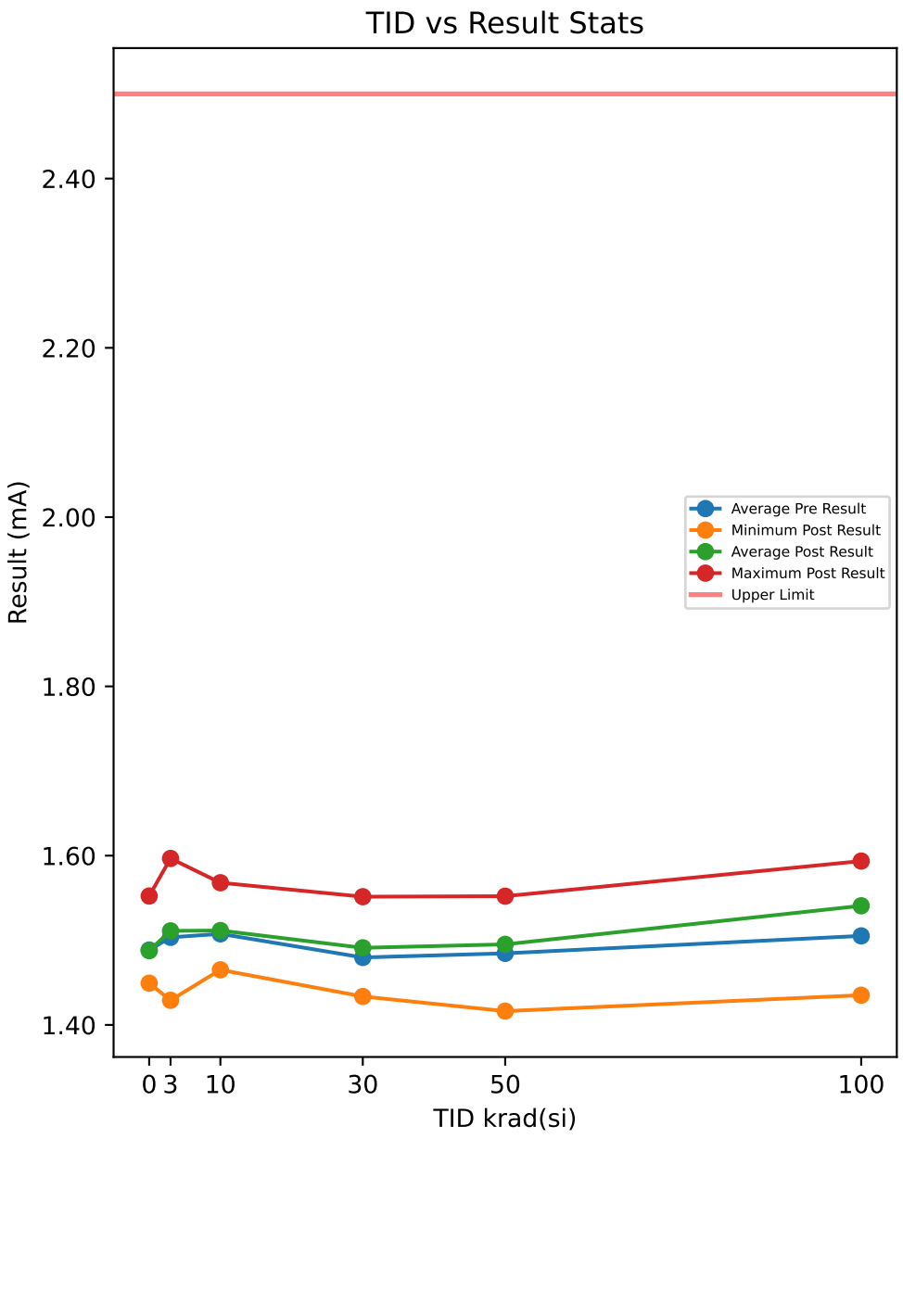
Test Results (Lower Limit = 95.0 (%))

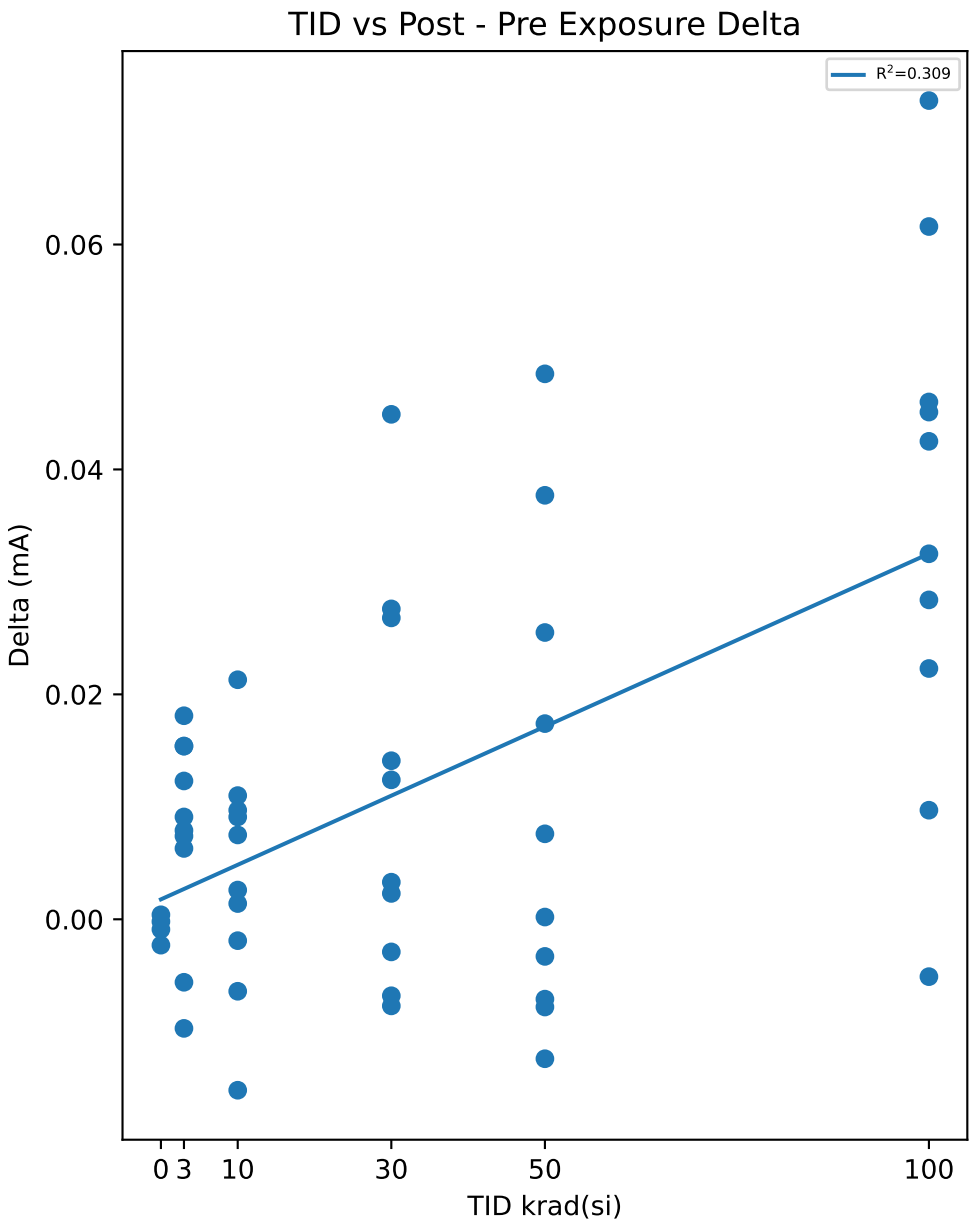
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	97.572	97.564	-0.0079
3	3	Biased	97.589	97.583	-0.0054
4	3	Biased	97.632	97.627	-0.0048
5	3	Biased	97.571	97.567	-0.0039
6	3	Biased	97.589	97.585	-0.0039
7	3	Unbiased	97.581	97.571	-0.0093
8	3	Unbiased	97.588	97.589	0.0007
9	3	Unbiased	97.582	97.575	-0.0072
10	3	Unbiased	97.593	97.587	-0.006
11	3	Unbiased	97.566	97.56	-0.0057
12	10	Unbiased	97.55	97.529	-0.0218
13	10	Unbiased	97.541	97.527	-0.014
14	10	Unbiased	97.558	97.546	-0.0121
15	10	Unbiased	97.573	97.556	-0.0164
16	10	Unbiased	97.603	97.588	-0.0152
17	10	Biased	97.593	97.588	-0.0042
18	10	Biased	97.576	97.576	-0.0009
19	10	Biased	97.636	97.633	-0.0029
20	10	Biased	97.584	97.585	0.001
21	10	Biased	97.575	97.573	-0.002
22	30	Biased	97.563	97.539	-0.0246
23	30	Biased	97.522	97.505	-0.017
24	30	Biased	97.551	97.523	-0.0279
25	30	Biased	97.591	97.57	-0.0213
26	30	Biased	97.581	97.559	-0.0218
27	30	Unbiased	97.557	97.513	-0.0444
28	30	Unbiased	97.554	97.504	-0.0505
29	30	Unbiased	97.578	97.536	-0.0423
30	30	Unbiased	97.558	97.511	-0.0469
31	30	Unbiased	97.583	97.539	-0.0442
32	50	Biased	97.571	97.528	-0.0423
33	50	Biased	97.566	97.522	-0.0438
34	50	Biased	97.547	97.502	-0.0451
35	50	Biased	97.56	97.509	-0.0511
36	50	Biased	97.54	97.5	-0.0392
37	50	Unbiased	97.566	97.492	-0.0731
39	50	Unbiased	97.578	97.499	-0.0789
40	50	Unbiased	97.585	97.512	-0.0731
41	50	Unbiased	97.552	97.474	-0.0783
42	50	Unbiased	97.573	97.493	-0.0798
43	100	Biased	97.576	97.49	-0.0862
44	100	Biased	97.57	97.479	-0.091
45	100	Biased	97.551	97.454	-0.0971
46	100	Biased	97.579	97.495	-0.085
47	100	Biased	97.566	97.481	-0.0853
48	100	Unbiased	97.563	97.413	-0.1499
49	100	Unbiased	97.574	97.425	-0.149
50	100	Unbiased	97.563	97.422	-0.141
51	100	Unbiased	97.585	97.433	-0.1512
52	100	Unbiased	97.547	97.398	-0.1493
53	0	Correlation	97.582	97.587	0.005
54	0	Correlation	97.554	97.563	0.0092
55	0	Correlation	97.591	97.602	0.0113
56	0	Correlation	97.583	97.589	0.0061

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	97.554	97.577	97.591	0.015928	97.563	97.585	97.602	0.016016	0.005	0.0079	0.0113	0.002881
3	97.566	97.586	97.632	0.018502	97.56	97.581	97.627	0.019211	-0.0093	-0.00534	0.0007	0.0027322
10	97.541	97.579	97.636	0.027538	97.527	97.57	97.633	0.032069	-0.0218	-0.00885	0.001	0.0079322
30	97.522	97.564	97.591	0.020249	97.504	97.53	97.57	0.022697	-0.0505	-0.03409	-0.017	0.012668
50	97.54	97.564	97.585	0.014188	97.474	97.503	97.528	0.015679	-0.0798	-0.06047	-0.0392	0.017432
100	97.547	97.568	97.585	0.011823	97.398	97.449	97.495	0.035029	-0.1512	-0.1185	-0.085	0.031486

Device Test: 6.5; IQ





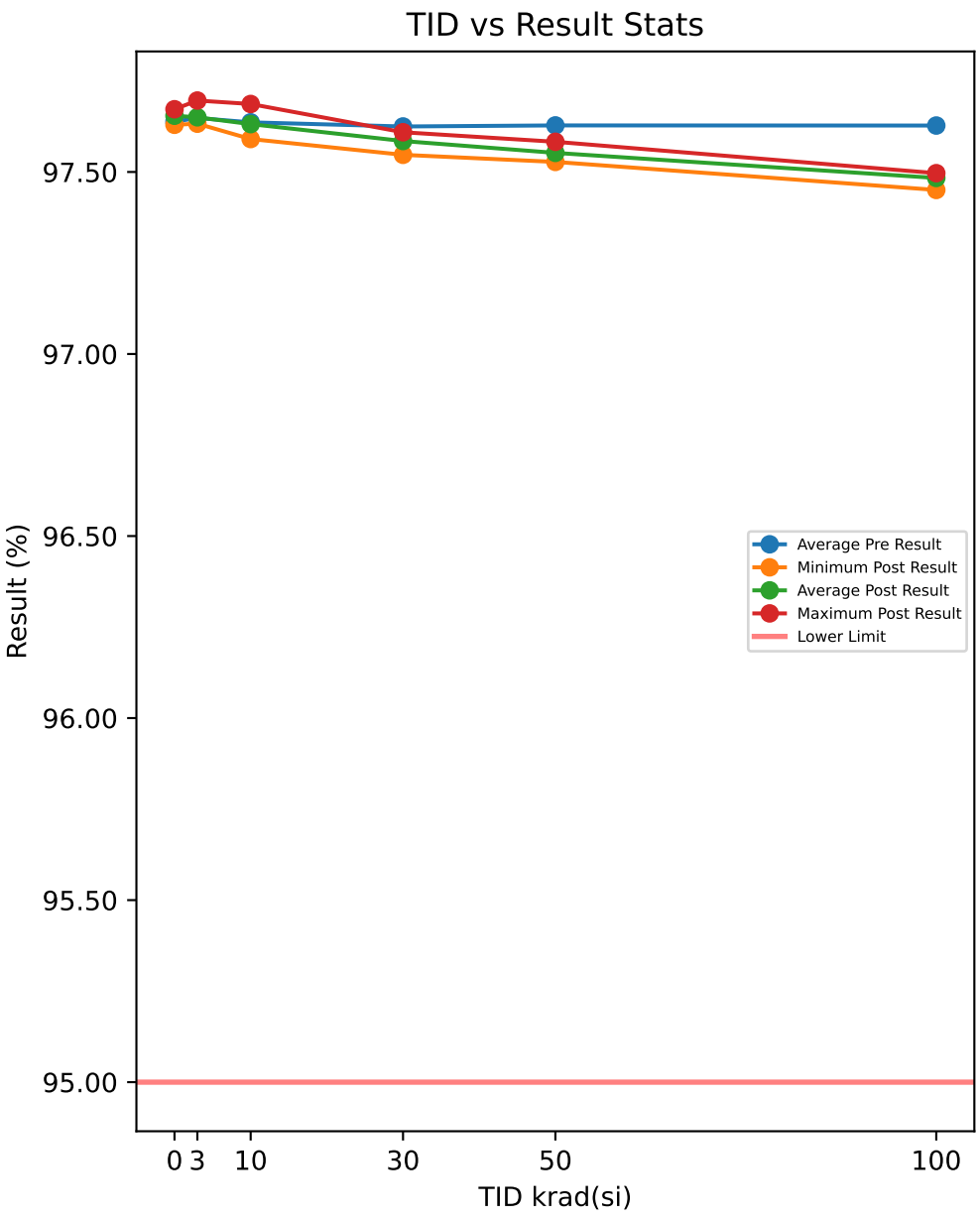
Test Results (Upper Limit = 2.5 (mA))

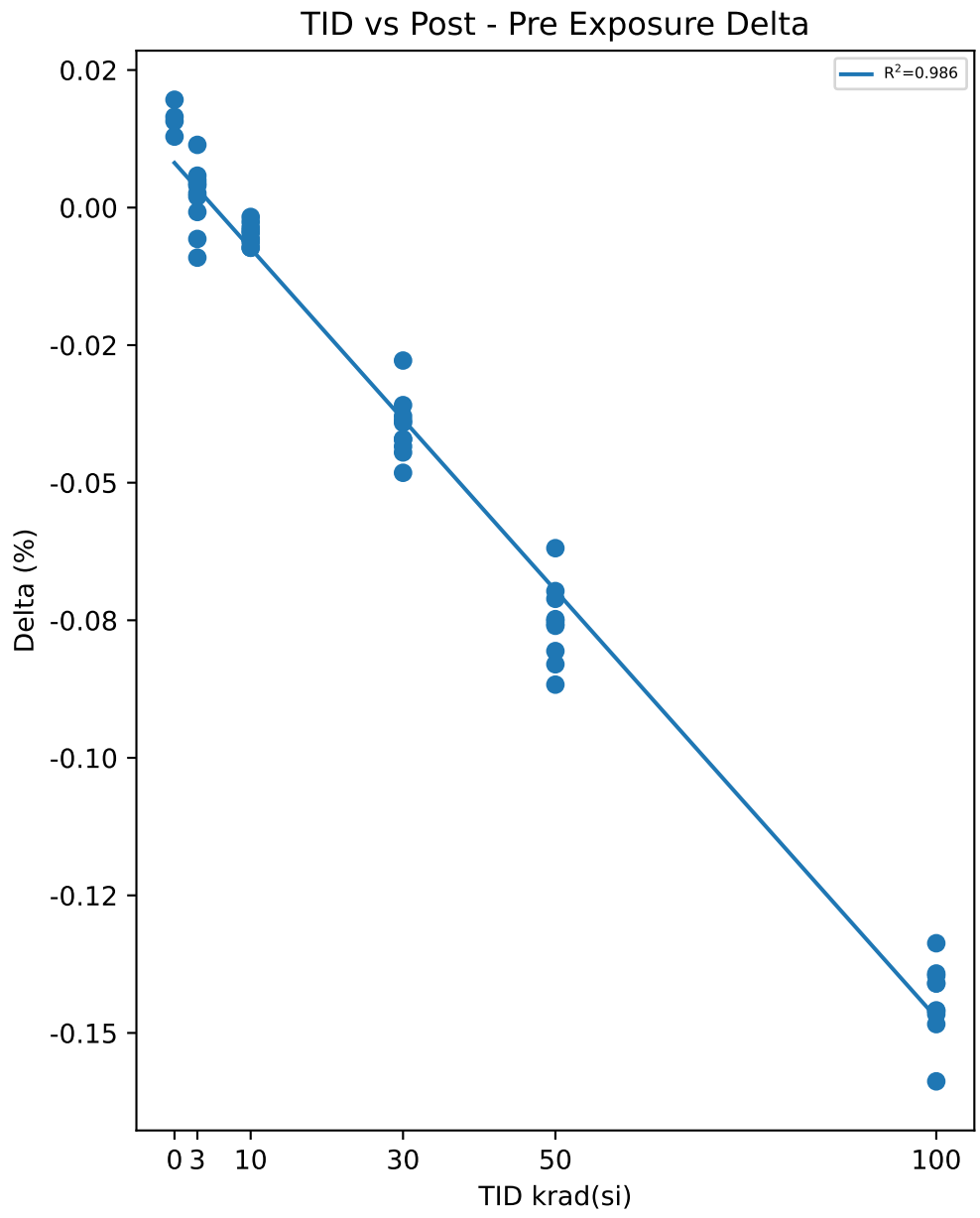
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.4648	1.4739	0.0091
3	3	Biased	1.5392	1.5515	0.0123
4	3	Biased	1.4574	1.4728	0.0154
5	3	Biased	1.5786	1.5967	0.0181
6	3	Biased	1.5301	1.5245	-0.0056
7	3	Unbiased	1.4423	1.4497	0.0074
8	3	Unbiased	1.488	1.5034	0.0154
9	3	Unbiased	1.5275	1.5338	0.0063
10	3	Unbiased	1.4388	1.4291	-0.0097
11	3	Unbiased	1.5681	1.576	0.0079
12	10	Unbiased	1.4812	1.466	-0.0152
13	10	Unbiased	1.551	1.5524	0.0014
14	10	Unbiased	1.4625	1.4651	0.0026
15	10	Unbiased	1.4626	1.4717	0.0091
16	10	Unbiased	1.4991	1.5066	0.0075
17	10	Biased	1.5409	1.5519	0.011
18	10	Biased	1.5699	1.568	-0.0019
19	10	Biased	1.4785	1.4882	0.0097
20	10	Biased	1.5307	1.5243	-0.0064
21	10	Biased	1.4996	1.5209	0.0213
22	30	Biased	1.5239	1.5515	0.0276
23	30	Biased	1.4734	1.4705	-0.0029
24	30	Biased	1.4906	1.4929	0.0023
25	30	Biased	1.5124	1.5265	0.0141
26	30	Biased	1.4725	1.4657	-0.0068
27	30	Unbiased	1.4413	1.4336	-0.0077
28	30	Unbiased	1.4536	1.4804	0.0268
29	30	Unbiased	1.4575	1.4699	0.0124
30	30	Unbiased	1.4419	1.4868	0.0449
31	30	Unbiased	1.5299	1.5332	0.0033
32	50	Biased	1.4828	1.5313	0.0485
33	50	Biased	1.4898	1.482	-0.0078
34	50	Biased	1.4905	1.4981	0.0076
35	50	Biased	1.5519	1.5521	0.0002
36	50	Biased	1.4974	1.5229	0.0255
37	50	Unbiased	1.4954	1.4921	-0.0033
39	50	Unbiased	1.4793	1.4669	-0.0124
40	50	Unbiased	1.4234	1.4163	-0.0071
41	50	Unbiased	1.4235	1.4409	0.0174
42	50	Unbiased	1.5117	1.5494	0.0377
43	100	Biased	1.4866	1.5191	0.0325
44	100	Biased	1.4993	1.5721	0.0728
45	100	Biased	1.5586	1.587	0.0284
46	100	Biased	1.4402	1.4351	-0.0051
47	100	Biased	1.5161	1.5384	0.0223
48	100	Unbiased	1.5175	1.5626	0.0451
49	100	Unbiased	1.5308	1.5733	0.0425
50	100	Unbiased	1.4827	1.5443	0.0616
51	100	Unbiased	1.5476	1.5936	0.046
52	100	Unbiased	1.4724	1.4821	0.0097
53	0	Correlation	1.4742	1.4719	-0.0023
54	0	Correlation	1.4495	1.4493	-0.0002
55	0	Correlation	1.4783	1.4774	-0.0009
56	0	Correlation	1.5519	1.5523	0.0004

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	1.4495	1.4885	1.5519	0.044155	1.4493	1.4877	1.5523	0.044734	-0.0023	-0.00075	0.0004	0.0011619
3	1.4388	1.5035	1.5786	0.051818	1.4291	1.5111	1.5967	0.055046	-0.0097	0.00766	0.0181	0.0090159
10	1.4625	1.5076	1.5699	0.038219	1.4651	1.5115	1.568	0.038186	-0.0152	0.00391	0.0213	0.010216
30	1.4413	1.4797	1.5299	0.03305	1.4336	1.4911	1.5515	0.035955	-0.0077	0.0114	0.0449	0.017253
50	1.4234	1.4846	1.5519	0.038175	1.4163	1.4952	1.5521	0.045231	-0.0124	0.01063	0.0485	0.020897
100	1.4402	1.5052	1.5586	0.036152	1.4351	1.5408	1.5936	0.050045	-0.0051	0.03558	0.0728	0.023265

Device Test: 6.50; VOH_RESET_2MA





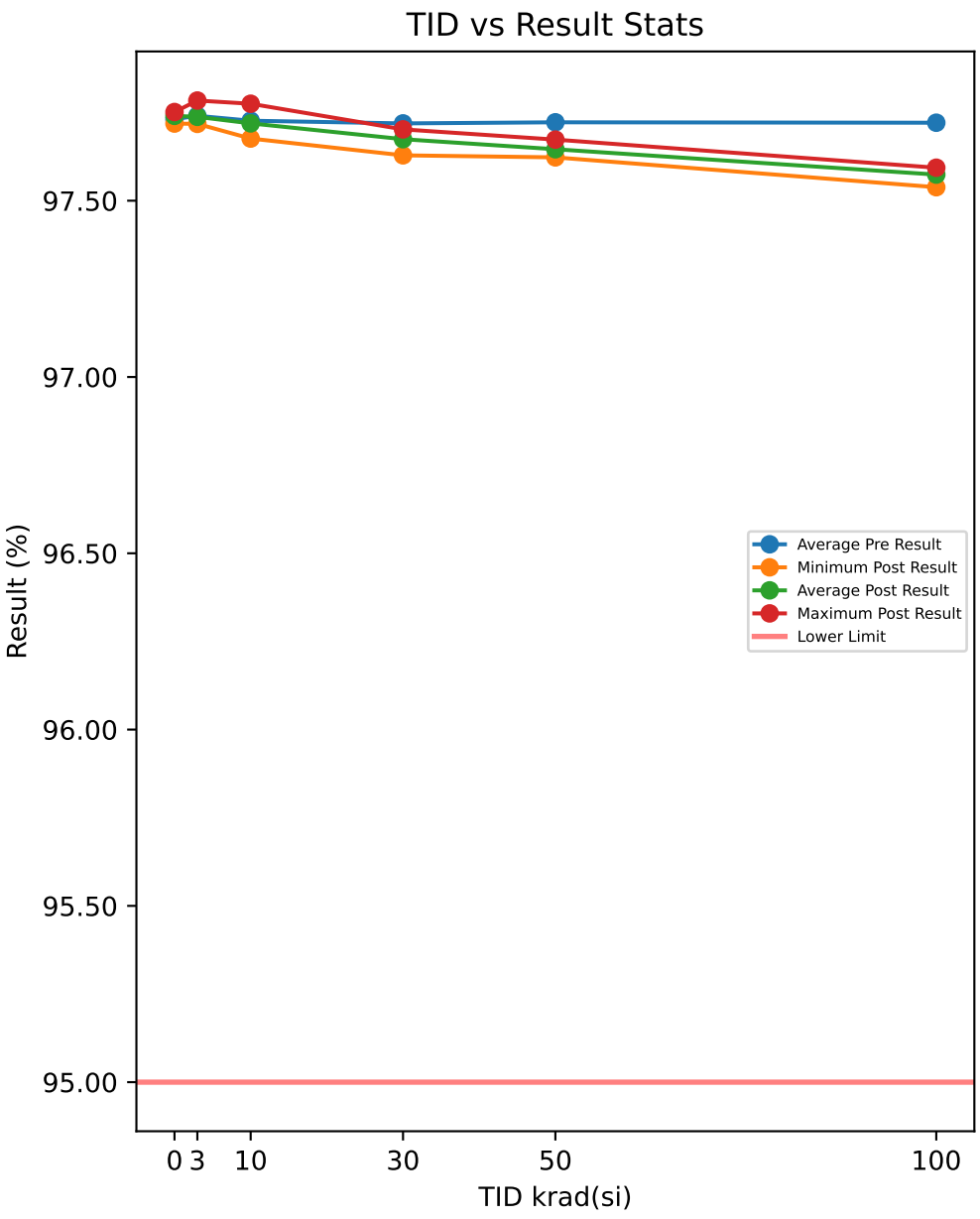
Test Results (Lower Limit = 95.0 (%))

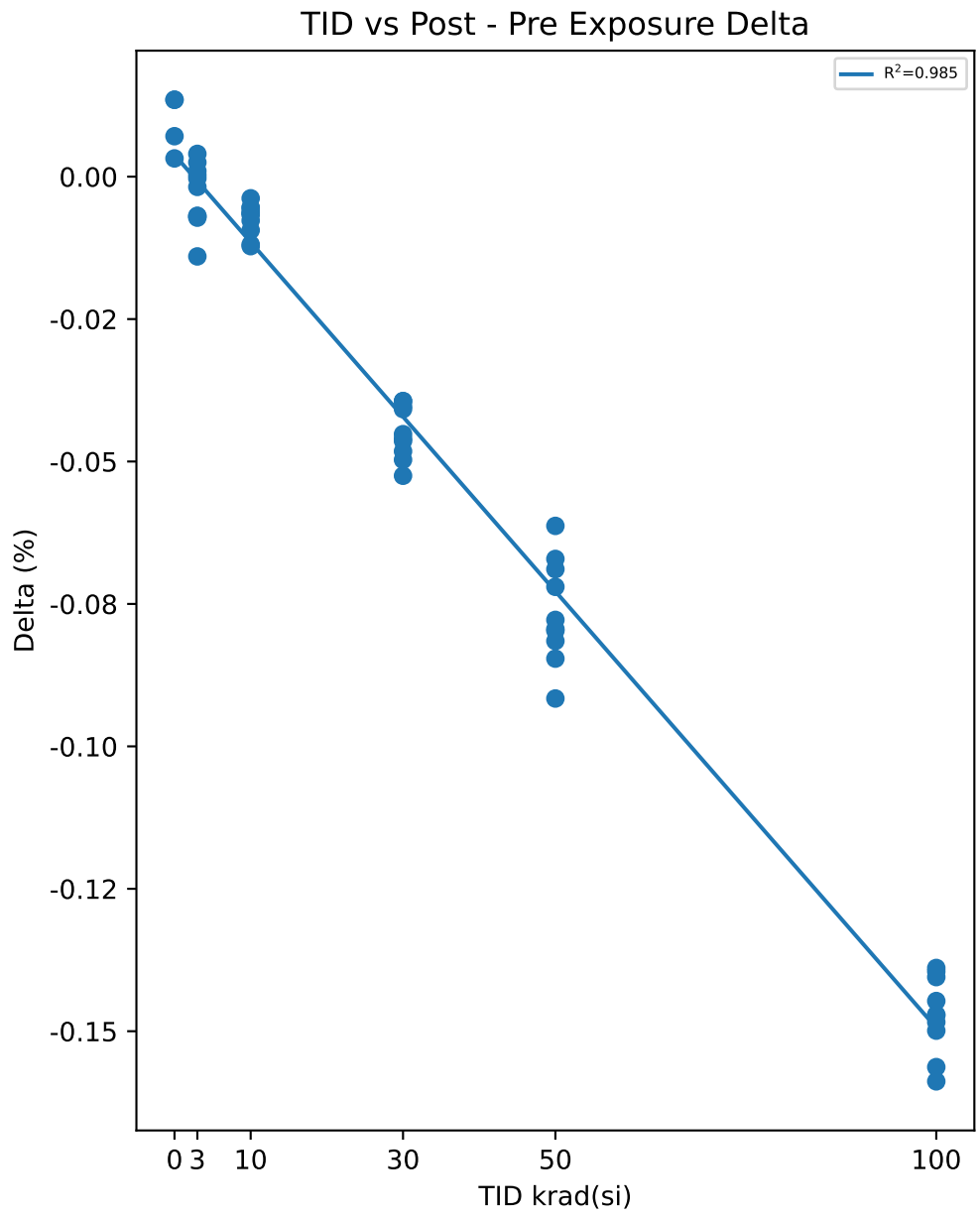
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	97.642	97.633	-0.0091
3	3	Biased	97.647	97.641	-0.0057
4	3	Biased	97.694	97.696	0.002
5	3	Biased	97.635	97.639	0.0044
6	3	Biased	97.652	97.652	-0.0008
7	3	Unbiased	97.638	97.642	0.004
8	3	Unbiased	97.648	97.651	0.0026
9	3	Unbiased	97.642	97.653	0.0114
10	3	Unbiased	97.654	97.659	0.005
11	3	Unbiased	97.63	97.636	0.0058
12	10	Unbiased	97.608	97.601	-0.0073
13	10	Unbiased	97.595	97.591	-0.0046
14	10	Unbiased	97.609	97.603	-0.0058
15	10	Unbiased	97.638	97.634	-0.0042
16	10	Unbiased	97.653	97.651	-0.0017
17	10	Biased	97.654	97.651	-0.0026
18	10	Biased	97.638	97.634	-0.0036
19	10	Biased	97.692	97.687	-0.0057
20	10	Biased	97.645	97.639	-0.0063
21	10	Biased	97.632	97.625	-0.0073
22	30	Biased	97.626	97.584	-0.0421
23	30	Biased	97.591	97.547	-0.0434
24	30	Biased	97.61	97.572	-0.0387
25	30	Biased	97.654	97.609	-0.0445
26	30	Biased	97.642	97.6	-0.0421
27	30	Unbiased	97.618	97.58	-0.0379
28	30	Unbiased	97.615	97.576	-0.0391
29	30	Unbiased	97.636	97.6	-0.0359
30	30	Unbiased	97.627	97.579	-0.0482
31	30	Unbiased	97.631	97.603	-0.0278
32	50	Biased	97.639	97.559	-0.0806
33	50	Biased	97.635	97.559	-0.076
34	50	Biased	97.615	97.528	-0.0867
35	50	Biased	97.611	97.528	-0.083
36	50	Biased	97.611	97.535	-0.0757
37	50	Unbiased	97.64	97.565	-0.0748
39	50	Unbiased	97.638	97.563	-0.0751
40	50	Unbiased	97.645	97.583	-0.0619
41	50	Unbiased	97.612	97.542	-0.0697
42	50	Unbiased	97.634	97.563	-0.0711
43	100	Biased	97.629	97.488	-0.141
44	100	Biased	97.643	97.497	-0.146
45	100	Biased	97.609	97.451	-0.1588
46	100	Biased	97.63	97.491	-0.1396
47	100	Biased	97.62	97.48	-0.1392
48	100	Unbiased	97.624	97.478	-0.1466
49	100	Unbiased	97.64	97.494	-0.1459
50	100	Unbiased	97.629	97.496	-0.1337
51	100	Unbiased	97.635	97.494	-0.141
52	100	Unbiased	97.615	97.467	-0.1484
53	0	Correlation	97.642	97.659	0.0165
54	0	Correlation	97.617	97.63	0.0129
55	0	Correlation	97.653	97.672	0.0196
56	0	Correlation	97.641	97.657	0.0157

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	97.617	97.638	97.653	0.015279	97.63	97.654	97.672	0.017916	0.0129	0.016175	0.0196	0.0027561
3	97.63	97.648	97.694	0.017757	97.633	97.65	97.696	0.018129	-0.0091	0.00196	0.0114	0.0058901
10	97.595	97.636	97.692	0.028101	97.591	97.631	97.687	0.028672	-0.0073	-0.00491	-0.0017	0.001907
30	97.591	97.625	97.654	0.017697	97.547	97.585	97.609	0.018619	-0.0482	-0.03997	-0.0278	0.0055819
50	97.611	97.628	97.645	0.014049	97.528	97.552	97.583	0.018253	-0.0867	-0.07546	-0.0619	0.0070442
100	97.609	97.628	97.643	0.010564	97.451	97.484	97.497	0.014961	-0.1588	-0.14402	-0.1337	0.0068252

Device Test: 6.51; VOH_RESET_2MA





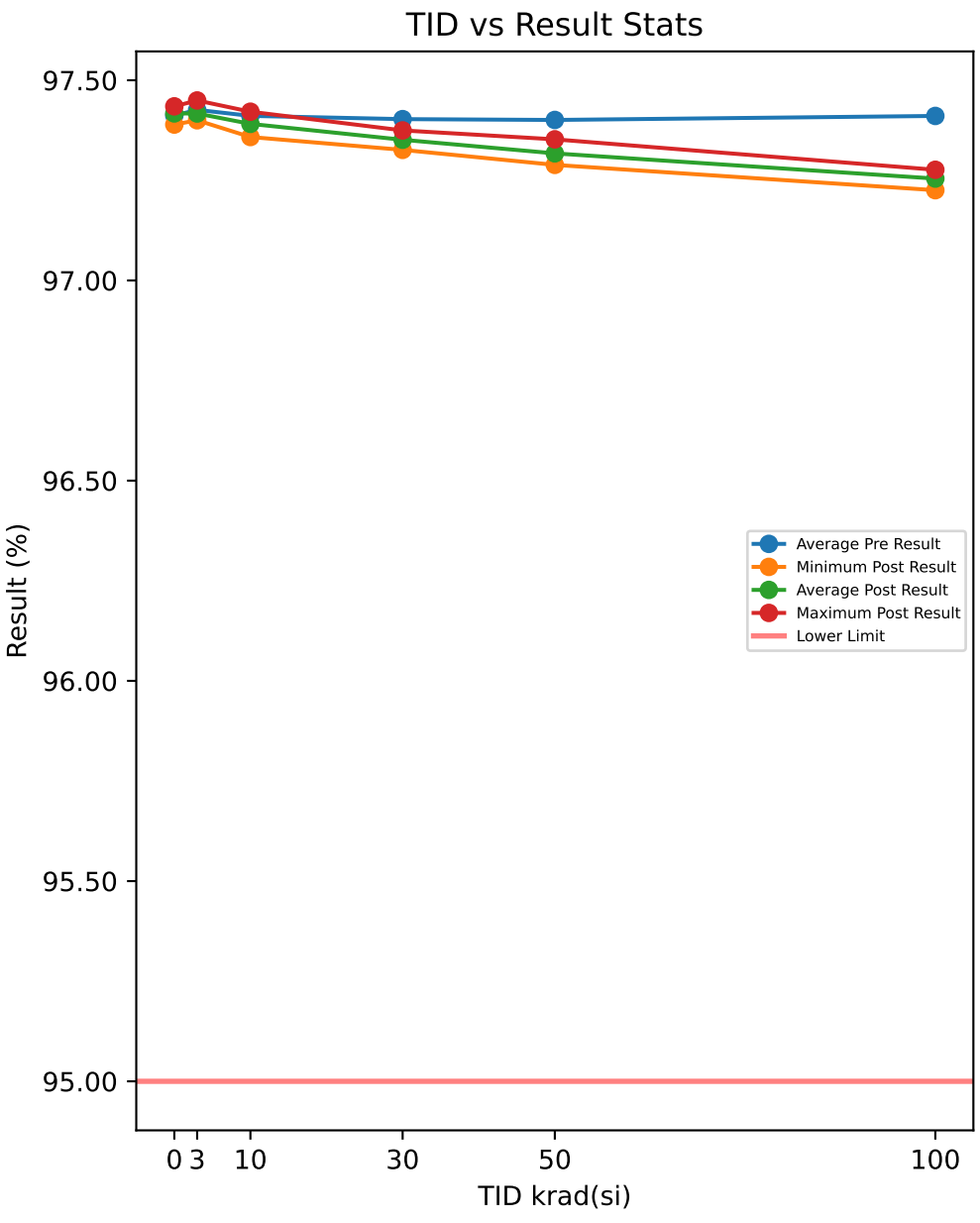
Test Results (Lower Limit = 95.0 (%))

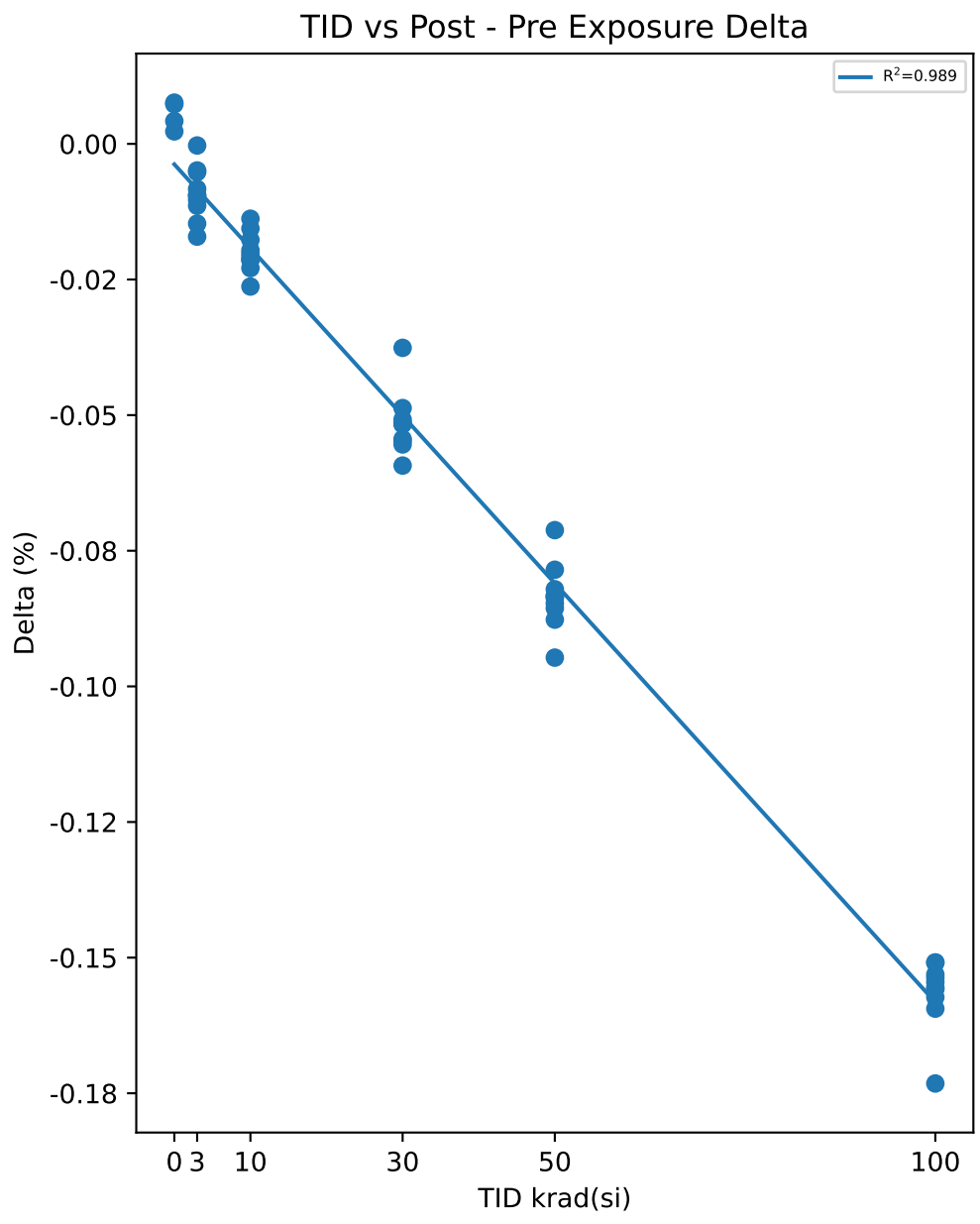
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	97.737	97.73	-0.0072
3	3	Biased	97.747	97.733	-0.014
4	3	Biased	97.791	97.784	-0.0069
5	3	Biased	97.729	97.73	0.001
6	3	Biased	97.738	97.739	0.0003
7	3	Unbiased	97.725	97.718	-0.0069
8	3	Unbiased	97.74	97.738	-0.0018
9	3	Unbiased	97.733	97.733	-0.0003
10	3	Unbiased	97.745	97.749	0.004
11	3	Unbiased	97.722	97.725	0.0025
12	10	Unbiased	97.7	97.694	-0.0055
13	10	Unbiased	97.684	97.676	-0.0077
14	10	Unbiased	97.711	97.701	-0.0094
15	10	Unbiased	97.73	97.724	-0.0063
16	10	Unbiased	97.736	97.731	-0.0054
17	10	Biased	97.751	97.739	-0.0122
18	10	Biased	97.733	97.721	-0.0119
19	10	Biased	97.779	97.775	-0.0038
20	10	Biased	97.729	97.722	-0.0064
21	10	Biased	97.716	97.71	-0.0067
22	30	Biased	97.724	97.676	-0.0482
23	30	Biased	97.681	97.629	-0.0525
24	30	Biased	97.709	97.662	-0.0464
25	30	Biased	97.752	97.702	-0.0497
26	30	Biased	97.73	97.689	-0.0408
27	30	Unbiased	97.71	97.671	-0.0394
28	30	Unbiased	97.716	97.671	-0.0452
29	30	Unbiased	97.73	97.684	-0.046
30	30	Unbiased	97.715	97.675	-0.0394
31	30	Unbiased	97.726	97.686	-0.0403
32	50	Biased	97.732	97.653	-0.0794
33	50	Biased	97.734	97.656	-0.0778
34	50	Biased	97.707	97.623	-0.0846
35	50	Biased	97.715	97.623	-0.0916
36	50	Biased	97.707	97.627	-0.0797
37	50	Unbiased	97.723	97.656	-0.0671
39	50	Unbiased	97.73	97.661	-0.0689
40	50	Unbiased	97.735	97.673	-0.0613
41	50	Unbiased	97.718	97.636	-0.0815
42	50	Unbiased	97.723	97.651	-0.072
43	100	Biased	97.724	97.574	-0.1499
44	100	Biased	97.741	97.585	-0.1563
45	100	Biased	97.697	97.538	-0.1588
46	100	Biased	97.733	97.594	-0.1395
47	100	Biased	97.718	97.571	-0.1471
48	100	Unbiased	97.718	97.579	-0.1389
49	100	Unbiased	97.727	97.58	-0.1472
50	100	Unbiased	97.724	97.579	-0.1447
51	100	Unbiased	97.726	97.578	-0.1484
52	100	Unbiased	97.703	97.562	-0.1405
53	0	Correlation	97.74	97.747	0.0071
54	0	Correlation	97.705	97.719	0.0135
55	0	Correlation	97.748	97.751	0.0032
56	0	Correlation	97.732	97.745	0.0135

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	97.705	97.731	97.748	0.018598	97.719	97.741	97.751	0.014796	0.0032	0.009325	0.0135	0.005077
3	97.722	97.741	97.791	0.019369	97.718	97.738	97.784	0.018267	-0.014	-0.00293	0.004	0.0056163
10	97.684	97.727	97.779	0.026607	97.676	97.719	97.775	0.026978	-0.0122	-0.00753	-0.0038	0.0027984
30	97.681	97.719	97.752	0.018363	97.629	97.674	97.702	0.019649	-0.0525	-0.04479	-0.0394	0.0046379
50	97.707	97.722	97.735	0.010414	97.623	97.646	97.673	0.017498	-0.0916	-0.07639	-0.0613	0.0090446
100	97.697	97.721	97.741	0.013144	97.538	97.574	97.594	0.015021	-0.1588	-0.14713	-0.1389	0.0067114

Device Test: 6.52; VOH_WDO_2MA





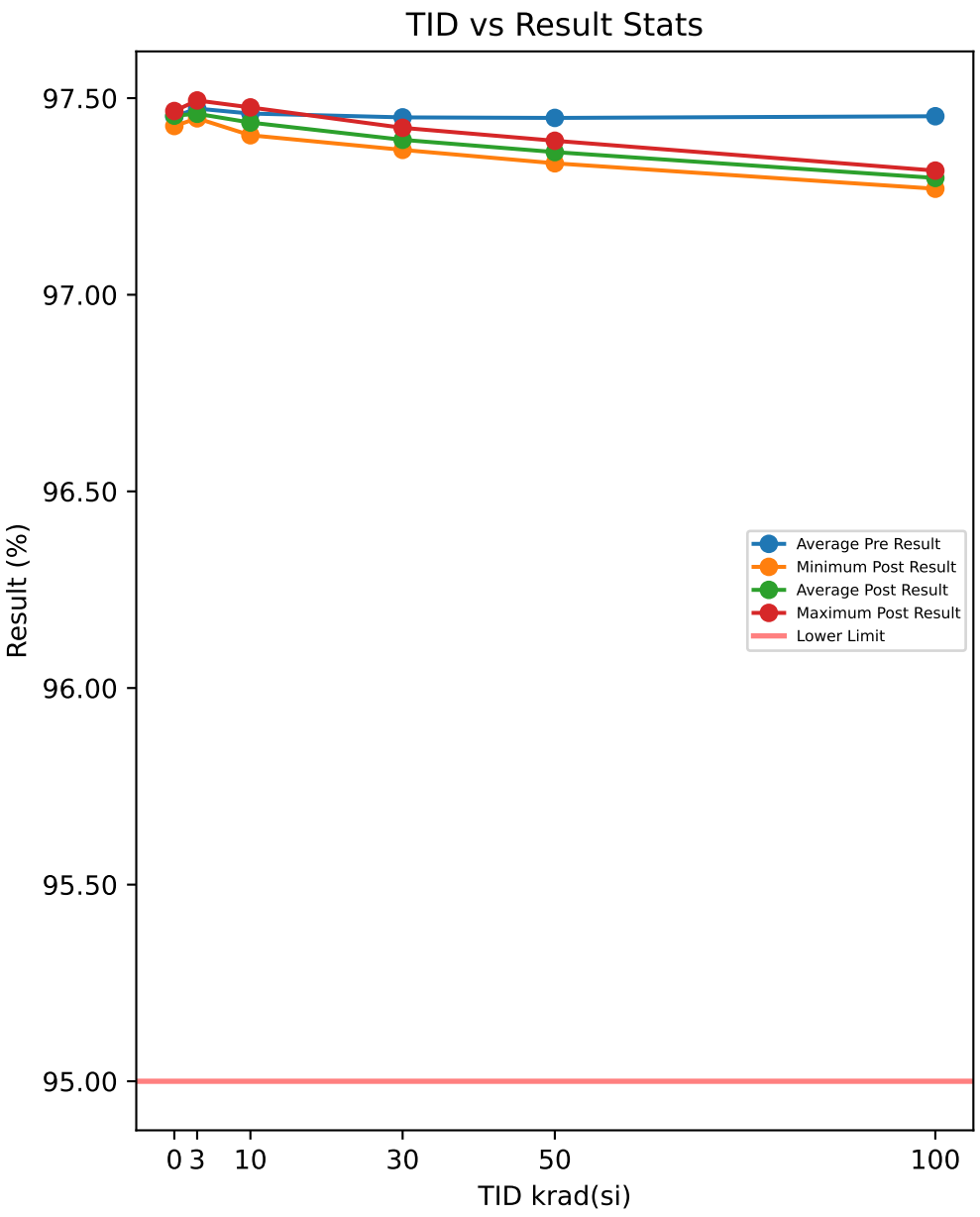
Test Results (Lower Limit = 95.0 (%))

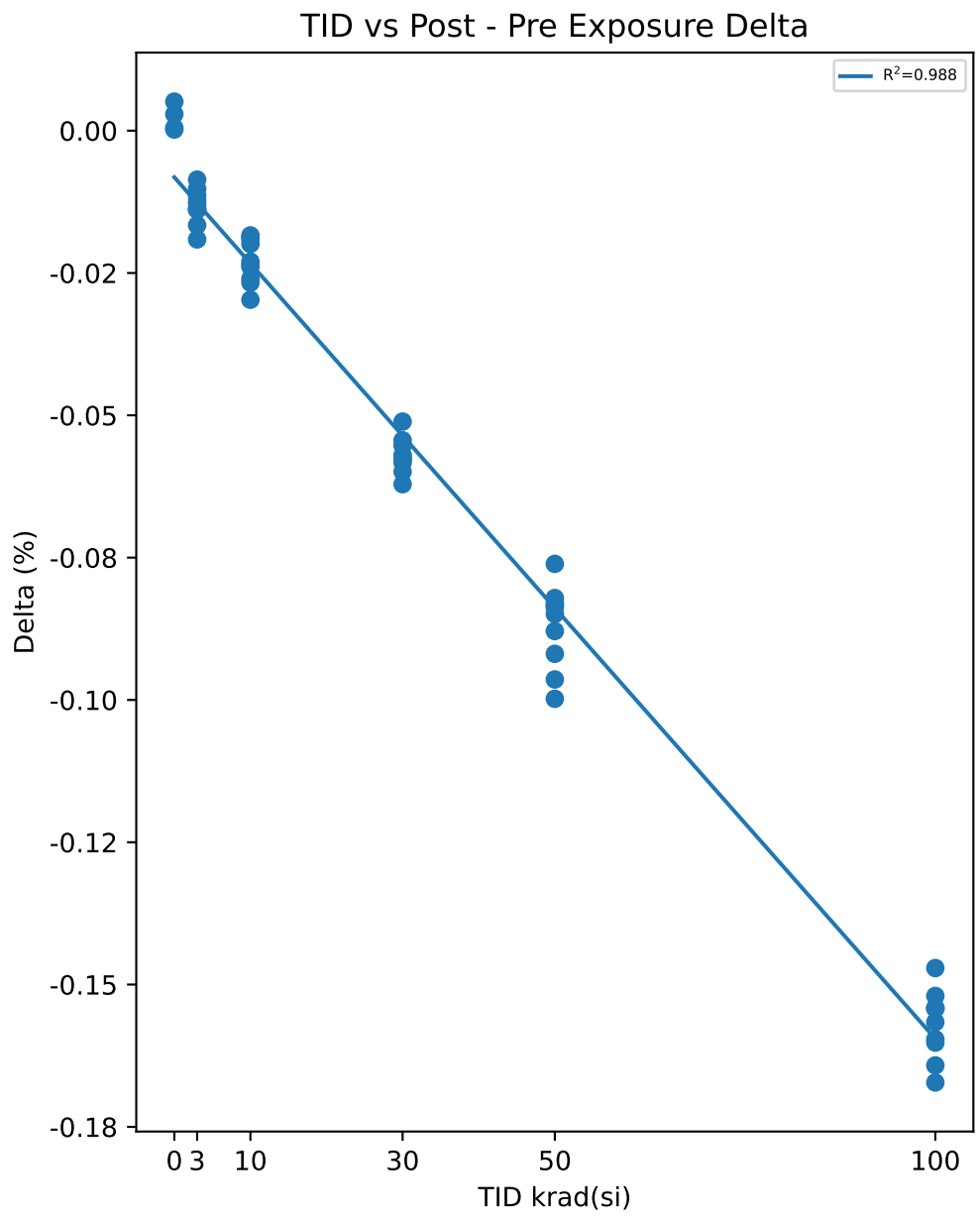
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	97.434	97.417	-0.0171
3	3	Biased	97.426	97.418	-0.0083
4	3	Biased	97.46	97.45	-0.0103
5	3	Biased	97.411	97.4	-0.0114
6	3	Biased	97.427	97.417	-0.0095
7	3	Unbiased	97.412	97.403	-0.0095
8	3	Unbiased	97.421	97.421	-0.0003
9	3	Unbiased	97.43	97.425	-0.0052
10	3	Unbiased	97.422	97.417	-0.0049
11	3	Unbiased	97.417	97.402	-0.0147
12	10	Unbiased	97.391	97.376	-0.0156
13	10	Unbiased	97.378	97.358	-0.0196
14	10	Unbiased	97.396	97.382	-0.0138
15	10	Unbiased	97.418	97.397	-0.0202
16	10	Unbiased	97.43	97.408	-0.0214
17	10	Biased	97.423	97.405	-0.0177
18	10	Biased	97.41	97.383	-0.0263
19	10	Biased	97.442	97.421	-0.0208
20	10	Biased	97.419	97.396	-0.0229
21	10	Biased	97.404	97.382	-0.0214
22	30	Biased	97.411	97.352	-0.0593
23	30	Biased	97.382	97.326	-0.0554
24	30	Biased	97.387	97.336	-0.0508
25	30	Biased	97.426	97.375	-0.0516
26	30	Biased	97.418	97.363	-0.0544
27	30	Unbiased	97.403	97.349	-0.0547
28	30	Unbiased	97.404	97.353	-0.0517
29	30	Unbiased	97.392	97.344	-0.0487
30	30	Unbiased	97.401	97.35	-0.0514
31	30	Unbiased	97.404	97.366	-0.0376
32	50	Biased	97.402	97.319	-0.0834
33	50	Biased	97.422	97.339	-0.0833
34	50	Biased	97.383	97.289	-0.0947
35	50	Biased	97.395	97.307	-0.0877
36	50	Biased	97.381	97.296	-0.0847
37	50	Unbiased	97.403	97.319	-0.0837
39	50	Unbiased	97.41	97.328	-0.0821
40	50	Unbiased	97.424	97.352	-0.0712
41	50	Unbiased	97.392	97.307	-0.0856
42	50	Unbiased	97.397	97.318	-0.0785
43	100	Biased	97.404	97.253	-0.1509
44	100	Biased	97.433	97.274	-0.1594
45	100	Biased	97.399	97.225	-0.1732
46	100	Biased	97.419	97.263	-0.1558
47	100	Biased	97.411	97.258	-0.1537
48	100	Unbiased	97.413	97.262	-0.1509
49	100	Unbiased	97.415	97.257	-0.1573
50	100	Unbiased	97.4	97.245	-0.1555
51	100	Unbiased	97.431	97.276	-0.1545
52	100	Unbiased	97.382	97.229	-0.1531
53	0	Correlation	97.413	97.421	0.0073
54	0	Correlation	97.387	97.389	0.0023
55	0	Correlation	97.419	97.424	0.0042
56	0	Correlation	97.427	97.435	0.0076

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	97.387	97.412	97.427	0.017429	97.389	97.417	97.435	0.0195	0.0023	0.00535	0.0076	0.0025489
3	97.411	97.426	97.46	0.014	97.4	97.417	97.45	0.014349	-0.0171	-0.00912	-0.0003	0.0048687
10	97.378	97.411	97.442	0.019262	97.358	97.391	97.421	0.01828	-0.0263	-0.01997	-0.0138	0.0035892
30	97.382	97.403	97.426	0.013574	97.326	97.351	97.375	0.014349	-0.0593	-0.05156	-0.0376	0.0057374
50	97.381	97.401	97.424	0.014526	97.289	97.317	97.352	0.019171	-0.0947	-0.08349	-0.0712	0.0060302
100	97.382	97.411	97.433	0.015325	97.225	97.254	97.276	0.016972	-0.1732	-0.15643	-0.1509	0.0064593

Device Test: 6.53; VOH_PWRGD_2MA





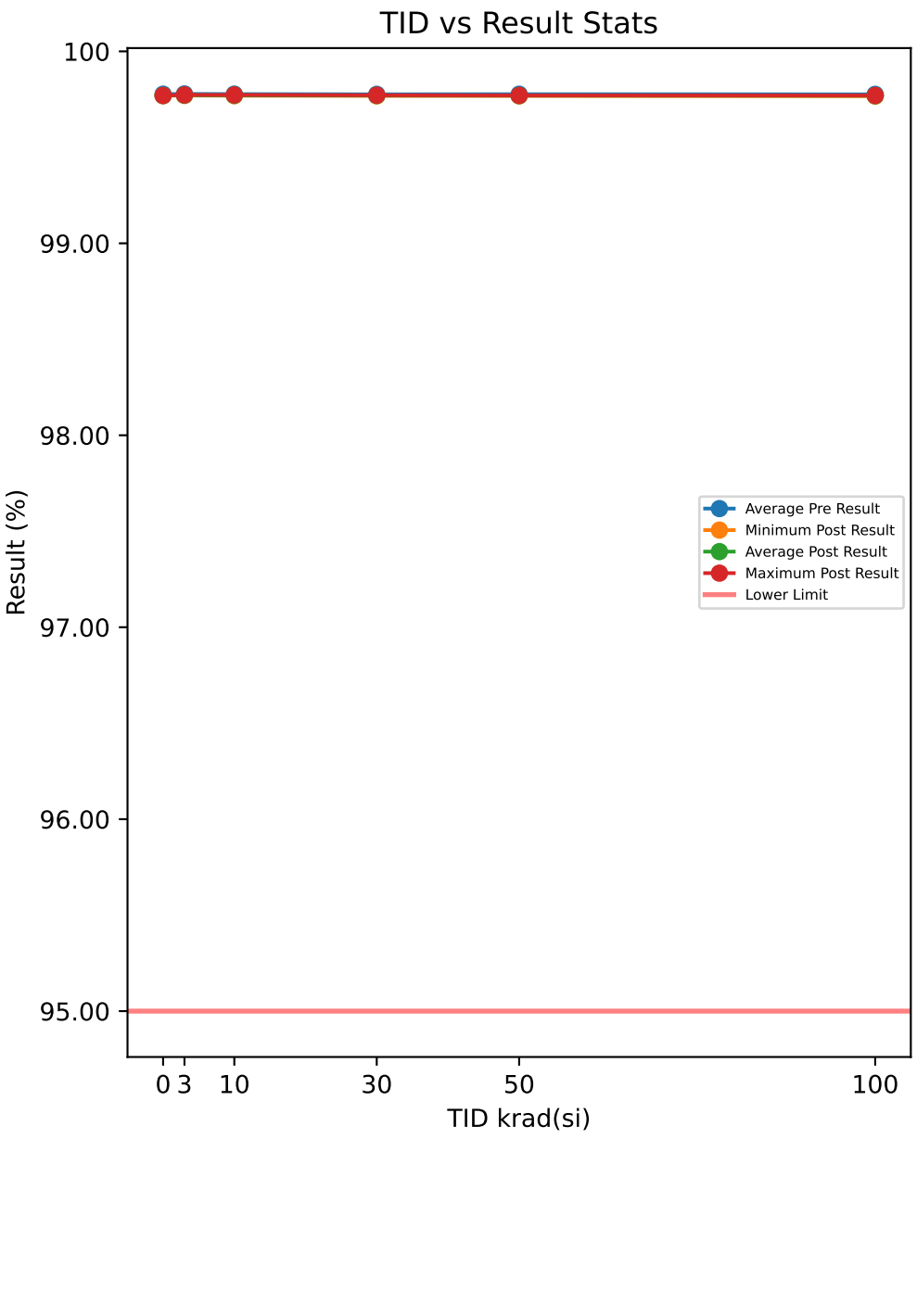
Test Results (Lower Limit = 95.0 (%))

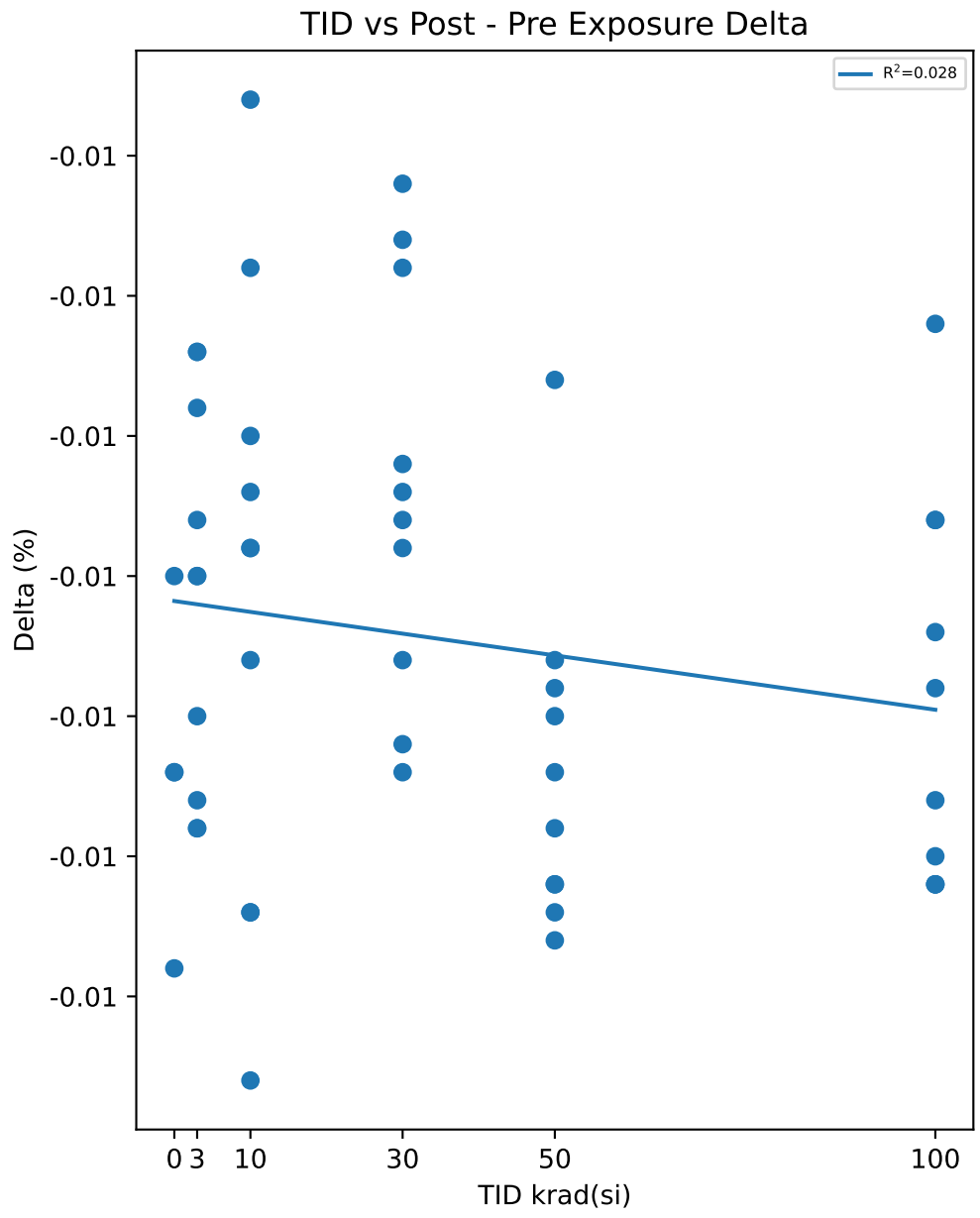
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	97.471	97.455	-0.0166
3	3	Biased	97.472	97.461	-0.0114
4	3	Biased	97.508	97.494	-0.0138
5	3	Biased	97.468	97.449	-0.0191
6	3	Biased	97.47	97.457	-0.0129
7	3	Unbiased	97.463	97.451	-0.0123
8	3	Unbiased	97.472	97.464	-0.0086
9	3	Unbiased	97.471	97.457	-0.0138
10	3	Unbiased	97.476	97.462	-0.0139
11	3	Unbiased	97.462	97.452	-0.0102
12	10	Unbiased	97.446	97.42	-0.026
13	10	Unbiased	97.432	97.406	-0.0267
14	10	Unbiased	97.449	97.42	-0.0297
15	10	Unbiased	97.464	97.441	-0.023
16	10	Unbiased	97.474	97.455	-0.0191
17	10	Biased	97.475	97.456	-0.0187
18	10	Biased	97.454	97.431	-0.0236
19	10	Biased	97.495	97.476	-0.0184
20	10	Biased	97.466	97.446	-0.0199
21	10	Biased	97.452	97.428	-0.0239
22	30	Biased	97.464	97.404	-0.0599
23	30	Biased	97.426	97.368	-0.0578
24	30	Biased	97.438	97.376	-0.0621
25	30	Biased	97.482	97.424	-0.0578
26	30	Biased	97.471	97.414	-0.0571
27	30	Unbiased	97.443	97.388	-0.0544
28	30	Unbiased	97.446	97.391	-0.0553
29	30	Unbiased	97.441	97.383	-0.0583
30	30	Unbiased	97.442	97.385	-0.0571
31	30	Unbiased	97.457	97.406	-0.0511
32	50	Biased	97.449	97.357	-0.0919
33	50	Biased	97.473	97.385	-0.0879
34	50	Biased	97.431	97.334	-0.0964
35	50	Biased	97.442	97.342	-0.0998
36	50	Biased	97.433	97.35	-0.0834
37	50	Unbiased	97.452	97.37	-0.0821
39	50	Unbiased	97.467	97.382	-0.0849
40	50	Unbiased	97.468	97.392	-0.0761
41	50	Unbiased	97.44	97.356	-0.0837
42	50	Unbiased	97.443	97.36	-0.083
43	100	Biased	97.442	97.29	-0.152
44	100	Biased	97.475	97.316	-0.1596
45	100	Biased	97.437	97.27	-0.1672
46	100	Biased	97.465	97.304	-0.1602
47	100	Biased	97.463	97.306	-0.1566
48	100	Unbiased	97.457	97.303	-0.1541
49	100	Unbiased	97.463	97.298	-0.1642
50	100	Unbiased	97.439	97.292	-0.1471
51	100	Unbiased	97.468	97.314	-0.1542
52	100	Unbiased	97.432	97.278	-0.1542
53	0	Correlation	97.461	97.461	0.0002
54	0	Correlation	97.429	97.429	0.0005
55	0	Correlation	97.464	97.467	0.0029
56	0	Correlation	97.46	97.465	0.0051

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	97.429	97.453	97.464	0.016587	97.429	97.455	97.467	0.01778	0.0002	0.002175	0.0051	0.002294
3	97.462	97.473	97.508	0.012844	97.449	97.46	97.494	0.012926	-0.0191	-0.01326	-0.0086	0.0030156
10	97.432	97.461	97.495	0.017835	97.406	97.438	97.476	0.021203	-0.0297	-0.0229	-0.0184	0.0038459
30	97.426	97.451	97.482	0.017013	97.368	97.394	97.424	0.01754	-0.0621	-0.05709	-0.0511	0.0030146
50	97.431	97.45	97.473	0.014972	97.334	97.363	97.392	0.018998	-0.0998	-0.08692	-0.0761	0.0071805
100	97.432	97.454	97.475	0.015164	97.27	97.297	97.316	0.01492	-0.1672	-0.15694	-0.1471	0.0059638

Device Test: 6.54; VOH_RESET_2MA





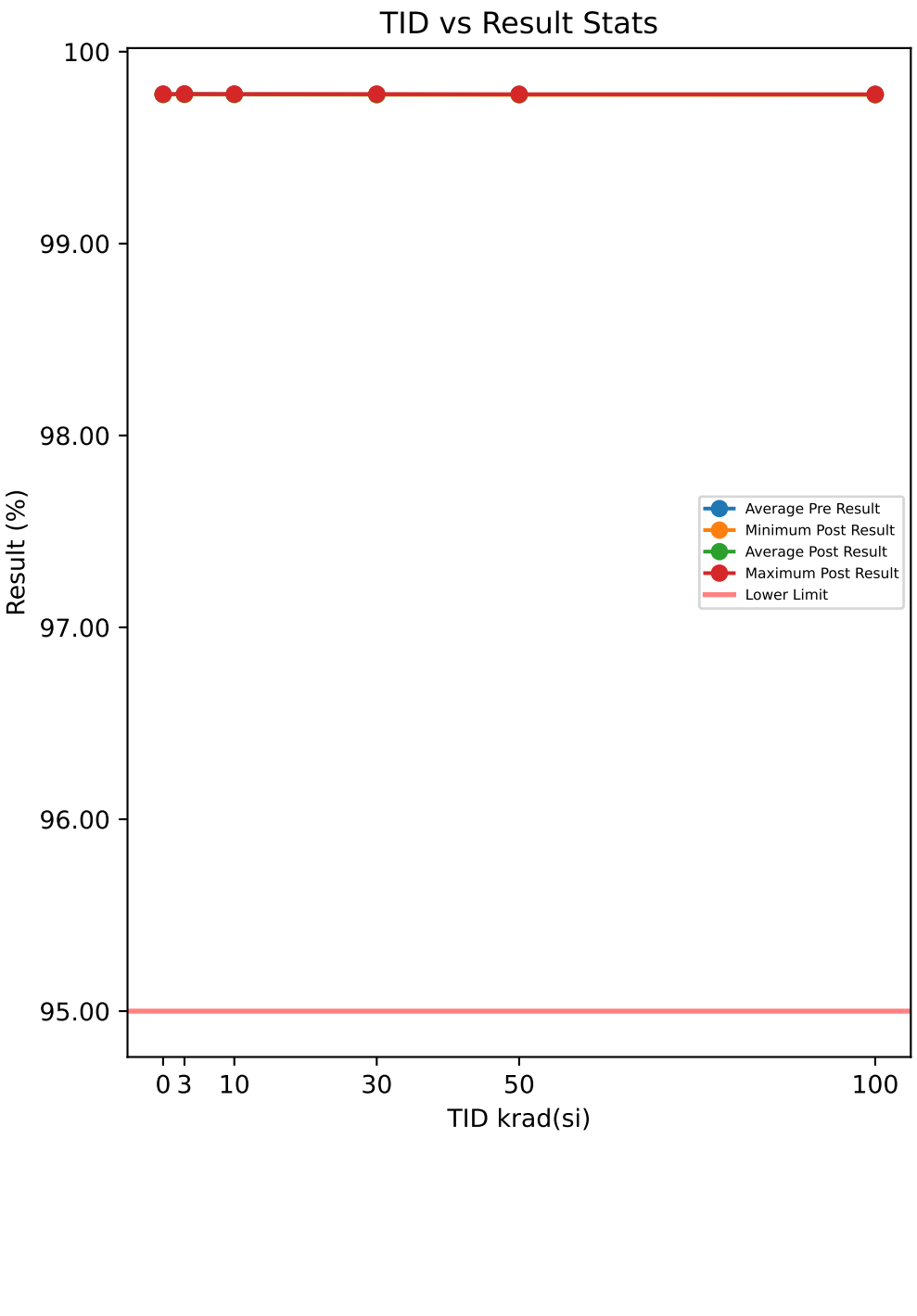
Test Results (Lower Limit = 95.0 (%))

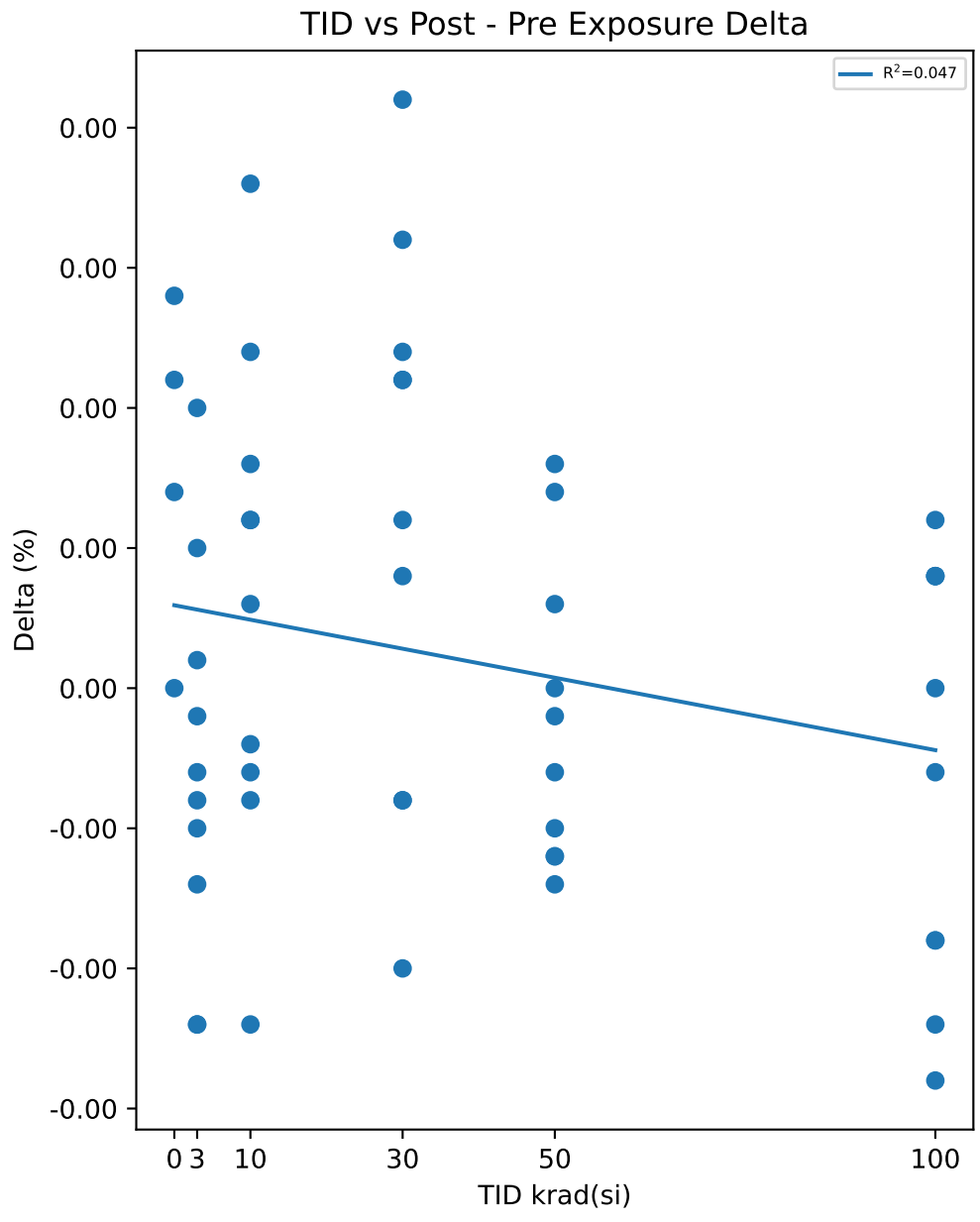
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	99.78	99.772	-0.0074
3	3	Biased	99.777	99.77	-0.007
4	3	Biased	99.781	99.773	-0.0074
5	3	Biased	99.776	99.77	-0.0057
6	3	Biased	99.779	99.773	-0.0063
7	3	Unbiased	99.778	99.772	-0.0059
8	3	Unbiased	99.777	99.771	-0.0057
9	3	Unbiased	99.778	99.771	-0.0073
10	3	Unbiased	99.778	99.771	-0.0065
11	3	Unbiased	99.778	99.771	-0.0065
12	10	Unbiased	99.775	99.77	-0.0048
13	10	Unbiased	99.777	99.769	-0.0077
14	10	Unbiased	99.777	99.771	-0.006
15	10	Unbiased	99.777	99.769	-0.0077
16	10	Unbiased	99.778	99.77	-0.0083
17	10	Biased	99.778	99.771	-0.0068
18	10	Biased	99.777	99.771	-0.0062
19	10	Biased	99.779	99.773	-0.0064
20	10	Biased	99.778	99.771	-0.0064
21	10	Biased	99.776	99.771	-0.0054
22	30	Biased	99.775	99.77	-0.0053
23	30	Biased	99.775	99.768	-0.0072
24	30	Biased	99.776	99.769	-0.0064
25	30	Biased	99.778	99.77	-0.0071
26	30	Biased	99.777	99.77	-0.0068
27	30	Unbiased	99.775	99.77	-0.0051
28	30	Unbiased	99.776	99.769	-0.0063
29	30	Unbiased	99.777	99.772	-0.0054
30	30	Unbiased	99.776	99.77	-0.0061
31	30	Unbiased	99.777	99.77	-0.0062
32	50	Biased	99.778	99.77	-0.0076
33	50	Biased	99.777	99.769	-0.0072
34	50	Biased	99.776	99.768	-0.0077
35	50	Biased	99.777	99.769	-0.0078
36	50	Biased	99.775	99.768	-0.007
37	50	Unbiased	99.778	99.771	-0.0069
39	50	Unbiased	99.777	99.77	-0.0076
40	50	Unbiased	99.778	99.77	-0.0074
41	50	Unbiased	99.776	99.769	-0.0068
42	50	Unbiased	99.776	99.771	-0.0058
43	100	Biased	99.777	99.769	-0.0076
44	100	Biased	99.777	99.77	-0.0067
45	100	Biased	99.775	99.769	-0.0056
46	100	Biased	99.777	99.77	-0.0069
47	100	Biased	99.775	99.768	-0.0063
48	100	Unbiased	99.776	99.77	-0.0063
49	100	Unbiased	99.777	99.77	-0.0076
50	100	Unbiased	99.776	99.769	-0.0075
51	100	Unbiased	99.774	99.767	-0.0076
52	100	Unbiased	99.776	99.768	-0.0073
53	0	Correlation	99.778	99.77	-0.0079
54	0	Correlation	99.777	99.77	-0.0065
55	0	Correlation	99.777	99.77	-0.0072
56	0	Correlation	99.776	99.769	-0.0072

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	99.776	99.777	99.778	0.0005099	99.769	99.77	99.77	0.00040825	-0.0079	-0.0072	-0.0065	0.00057155
3	99.776	99.778	99.781	0.0013522	99.77	99.772	99.773	0.0010288	-0.0074	-0.00657	-0.0057	0.00067831
10	99.775	99.777	99.779	0.0012083	99.769	99.771	99.773	0.0011795	-0.0083	-0.00657	-0.0048	0.0010863
30	99.775	99.776	99.778	0.00083958	99.768	99.77	99.772	0.00088851	-0.0072	-0.00619	-0.0051	0.00073704
50	99.775	99.777	99.778	0.00092952	99.768	99.77	99.771	0.0009228	-0.0078	-0.00718	-0.0058	0.00059777
100	99.774	99.776	99.777	0.0011571	99.767	99.769	99.77	0.0011375	-0.0076	-0.00694	-0.0056	0.00070111

Device Test: 6.55; VOH_RESET_2MA





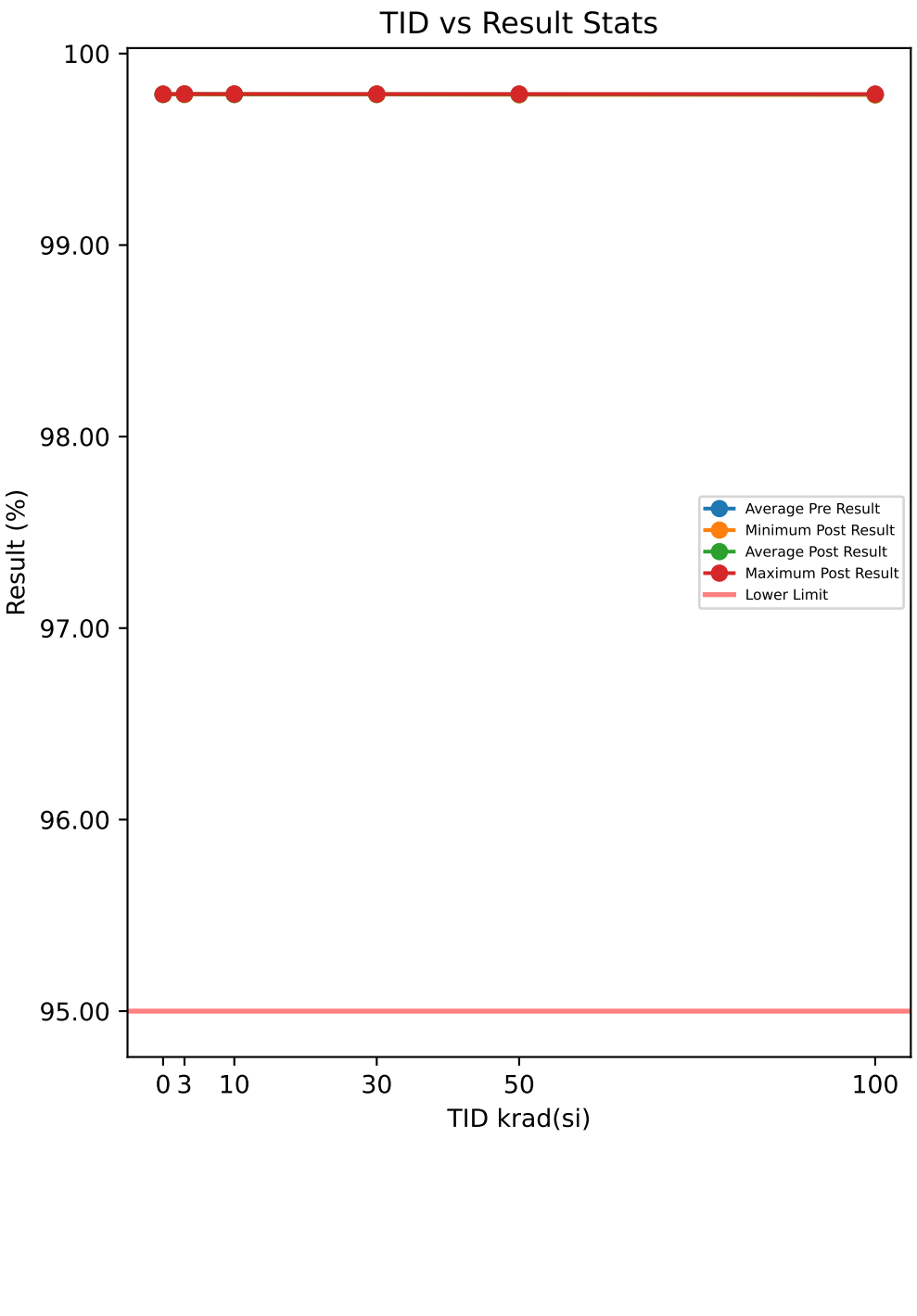
Test Results (Lower Limit = 95.0 (%))

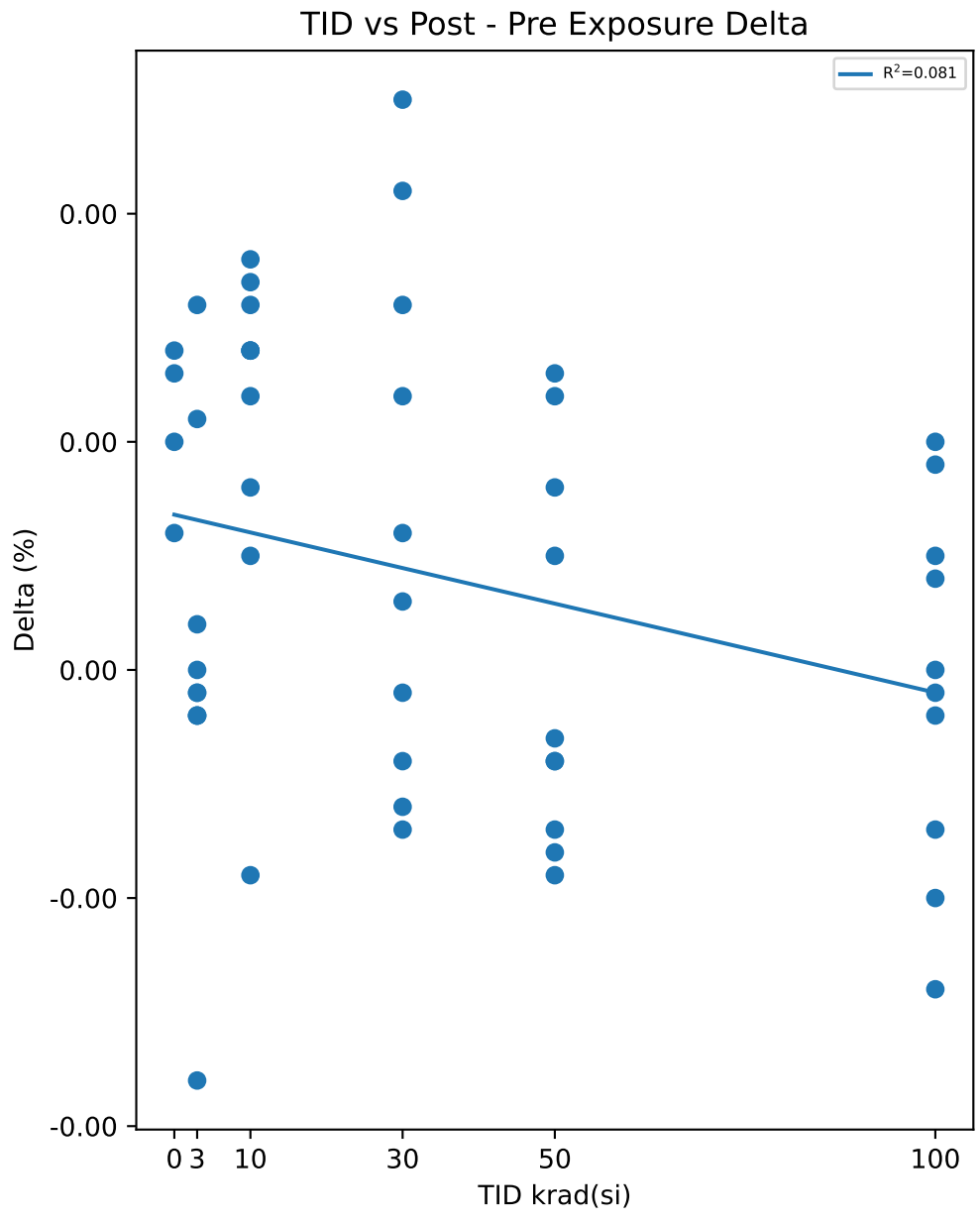
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	99.781	99.78	-0.0012
3	3	Biased	99.778	99.778	-0.0004
4	3	Biased	99.779	99.779	-0.0003
5	3	Biased	99.778	99.777	-0.0007
6	3	Biased	99.779	99.78	0.0005
7	3	Unbiased	99.779	99.779	-0.0001
8	3	Unbiased	99.778	99.779	0.001
9	3	Unbiased	99.779	99.779	-0.0005
10	3	Unbiased	99.778	99.778	0.0001
11	3	Unbiased	99.778	99.777	-0.0012
12	10	Unbiased	99.777	99.777	-0.0004
13	10	Unbiased	99.777	99.777	0.0003
14	10	Unbiased	99.776	99.778	0.0018
15	10	Unbiased	99.777	99.778	0.0012
16	10	Unbiased	99.78	99.779	-0.0012
17	10	Biased	99.778	99.778	-0.0002
18	10	Biased	99.778	99.779	0.0008
19	10	Biased	99.779	99.779	0.0006
20	10	Biased	99.777	99.777	-0.0003
21	10	Biased	99.778	99.778	0.0006
22	30	Biased	99.777	99.778	0.0011
23	30	Biased	99.775	99.776	0.0004
24	30	Biased	99.776	99.777	0.0011
25	30	Biased	99.777	99.778	0.0016
26	30	Biased	99.778	99.778	0.0006
27	30	Unbiased	99.776	99.776	-0.0004
28	30	Unbiased	99.777	99.776	-0.001
29	30	Unbiased	99.778	99.779	0.0012
30	30	Unbiased	99.776	99.778	0.0021
31	30	Unbiased	99.777	99.776	-0.0004
32	50	Biased	99.778	99.777	-0.0006
33	50	Biased	99.776	99.776	-0.0003
34	50	Biased	99.775	99.775	0.0003
35	50	Biased	99.777	99.777	0
36	50	Biased	99.776	99.776	-0.0001
37	50	Unbiased	99.777	99.777	-0.0006
39	50	Unbiased	99.778	99.778	0.0007
40	50	Unbiased	99.777	99.778	0.0008
41	50	Unbiased	99.777	99.776	-0.0005
42	50	Unbiased	99.778	99.778	-0.0007
43	100	Biased	99.777	99.778	0.0004
44	100	Biased	99.778	99.777	-0.0009
45	100	Biased	99.776	99.776	0
46	100	Biased	99.778	99.778	-0.0003
47	100	Biased	99.776	99.775	-0.0009
48	100	Unbiased	99.777	99.777	0.0004
49	100	Unbiased	99.778	99.778	0.0004
50	100	Unbiased	99.777	99.776	-0.0012
51	100	Unbiased	99.775	99.775	0.0006
52	100	Unbiased	99.777	99.775	-0.0014
53	0	Correlation	99.778	99.779	0.0007
54	0	Correlation	99.777	99.778	0.0011
55	0	Correlation	99.777	99.778	0.0014
56	0	Correlation	99.777	99.777	0

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	99.777	99.777	99.778	0.00088459	99.777	99.778	99.779	0.0010243	0	0.0008	0.0014	0.00060553
3	99.778	99.779	99.781	0.00094991	99.777	99.779	99.78	0.0010824	-0.0012	-0.00028	0.001	0.0006957
10	99.776	99.778	99.78	0.0010875	99.777	99.778	99.779	0.00086384	-0.0012	0.00032	0.0018	0.00087152
30	99.775	99.777	99.778	0.00078429	99.776	99.777	99.779	0.0013144	-0.001	0.00063	0.0021	0.00098325
50	99.775	99.777	99.778	0.0010436	99.775	99.777	99.778	0.0010489	-0.0007	-0.0001	0.0008	0.00054569
100	99.775	99.777	99.778	0.00107	99.775	99.777	99.778	0.0011749	-0.0014	-0.00029	0.0006	0.00075344

Device Test: 6.56; VOH_RESET_2MA





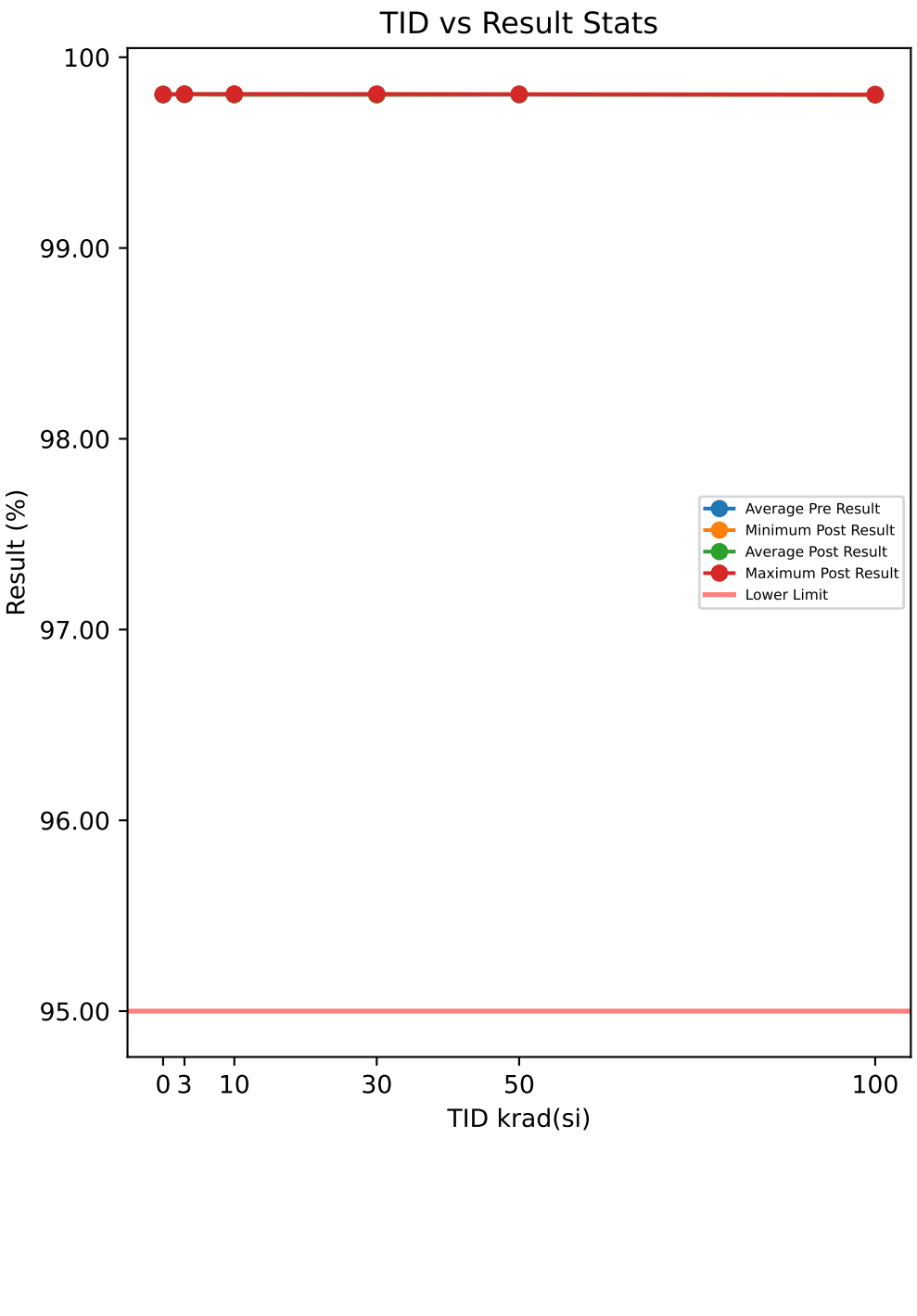
Test Results (Lower Limit = 95.0 (%))

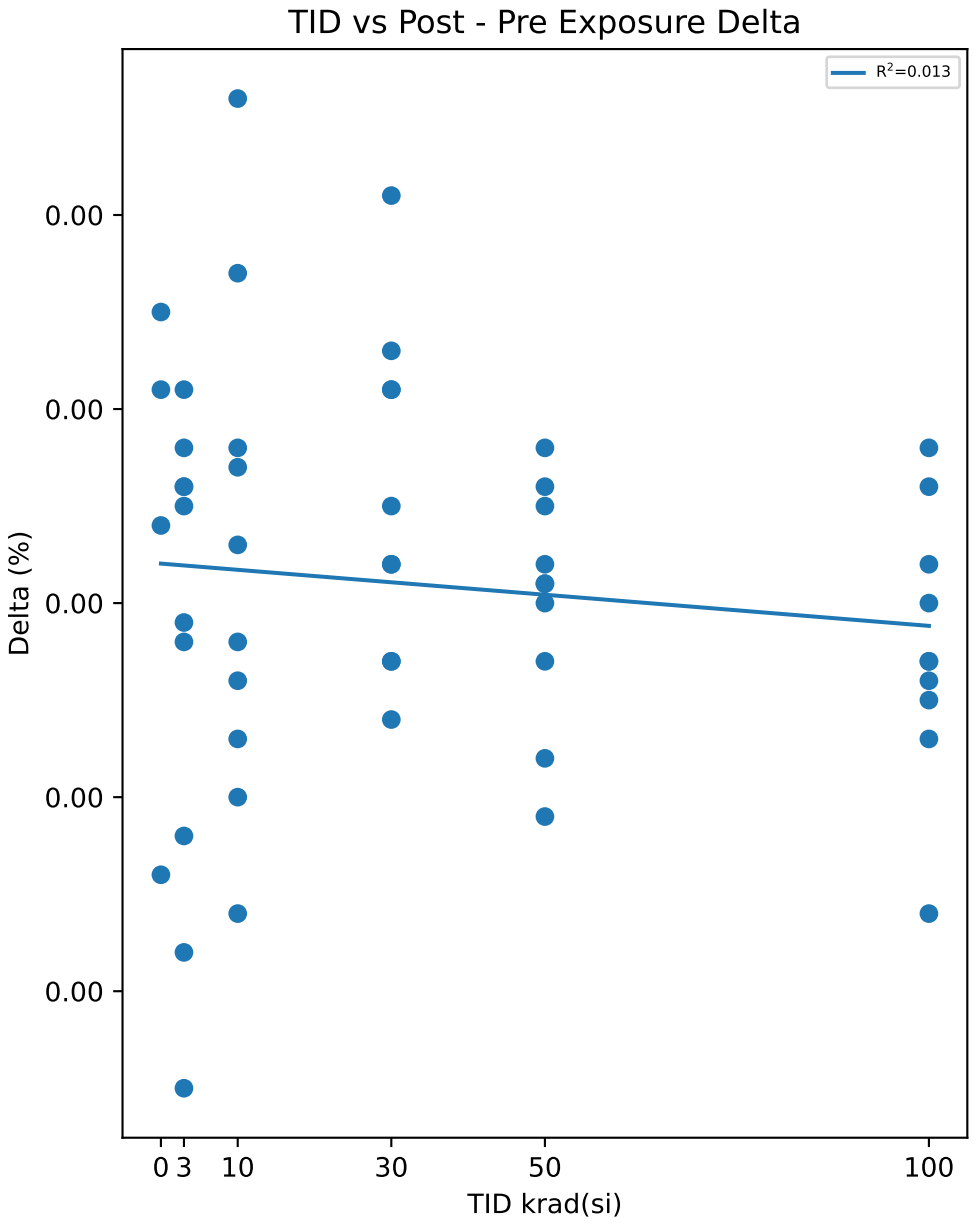
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	99.79	99.788	-0.0018
3	3	Biased	99.786	99.786	-0.0002
4	3	Biased	99.789	99.789	-0.0002
5	3	Biased	99.788	99.787	-0.0001
6	3	Biased	99.789	99.788	-0.0002
7	3	Unbiased	99.788	99.789	0.0002
8	3	Unbiased	99.787	99.787	0
9	3	Unbiased	99.789	99.789	-0.0001
10	3	Unbiased	99.787	99.789	0.0011
11	3	Unbiased	99.787	99.788	0.0016
12	10	Unbiased	99.785	99.787	0.0014
13	10	Unbiased	99.785	99.786	0.0018
14	10	Unbiased	99.786	99.786	0.0005
15	10	Unbiased	99.786	99.788	0.0012
16	10	Unbiased	99.787	99.789	0.0014
17	10	Biased	99.788	99.789	0.0016
18	10	Biased	99.788	99.787	-0.0009
19	10	Biased	99.787	99.788	0.0017
20	10	Biased	99.787	99.787	0.0008
21	10	Biased	99.785	99.787	0.0014
22	30	Biased	99.788	99.788	-0.0001
23	30	Biased	99.784	99.786	0.0025
24	30	Biased	99.786	99.787	0.0012
25	30	Biased	99.787	99.788	0.0016
26	30	Biased	99.788	99.788	-0.0004
27	30	Unbiased	99.787	99.786	-0.0007
28	30	Unbiased	99.787	99.786	-0.0006
29	30	Unbiased	99.787	99.788	0.0006
30	30	Unbiased	99.787	99.789	0.0021
31	30	Unbiased	99.786	99.787	0.0003
32	50	Biased	99.786	99.787	0.0008
33	50	Biased	99.788	99.787	-0.0009
34	50	Biased	99.787	99.786	-0.0004
35	50	Biased	99.785	99.787	0.0012
36	50	Biased	99.785	99.785	-0.0007
37	50	Unbiased	99.787	99.789	0.0013
39	50	Unbiased	99.787	99.788	0.0005
40	50	Unbiased	99.788	99.788	-0.0008
41	50	Unbiased	99.785	99.785	-0.0003
42	50	Unbiased	99.787	99.787	-0.0004
43	100	Biased	99.787	99.786	-0.0014
44	100	Biased	99.788	99.788	0.0004
45	100	Biased	99.786	99.786	0
46	100	Biased	99.787	99.788	0.0005
47	100	Biased	99.785	99.784	-0.0007
48	100	Unbiased	99.786	99.786	-0.0001
49	100	Unbiased	99.787	99.788	0.001
50	100	Unbiased	99.787	99.787	-0.0002
51	100	Unbiased	99.785	99.784	-0.001
52	100	Unbiased	99.784	99.785	0.0009
53	0	Correlation	99.787	99.787	0.0006
54	0	Correlation	99.786	99.787	0.001
55	0	Correlation	99.787	99.788	0.0014
56	0	Correlation	99.785	99.786	0.0013

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	99.786	99.787	0.00090692	99.786	99.787	99.788	0.00079582	0.0006	0.001075	0.0014	0.0003594
3	99.786	99.788	99.79	0.0011138	99.786	99.788	99.789	0.00093506	-0.0018	3e-05	0.0016	0.00089325
10	99.785	99.786	99.788	0.0010002	99.786	99.787	99.789	0.00097758	-0.0009	0.00109	0.0018	0.00080478
30	99.784	99.787	99.788	0.0011721	99.786	99.787	99.789	0.00093625	-0.0007	0.00065	0.0025	0.0011501
50	99.785	99.787	99.788	0.0010229	99.785	99.787	99.789	0.0011237	-0.0009	3e-05	0.0013	0.0008407
100	99.784	99.786	99.788	0.0012526	99.784	99.786	99.788	0.0016208	-0.0014	-6e-05	0.001	0.0007947

Device Test: 6.57; VOH_RESET_2MA





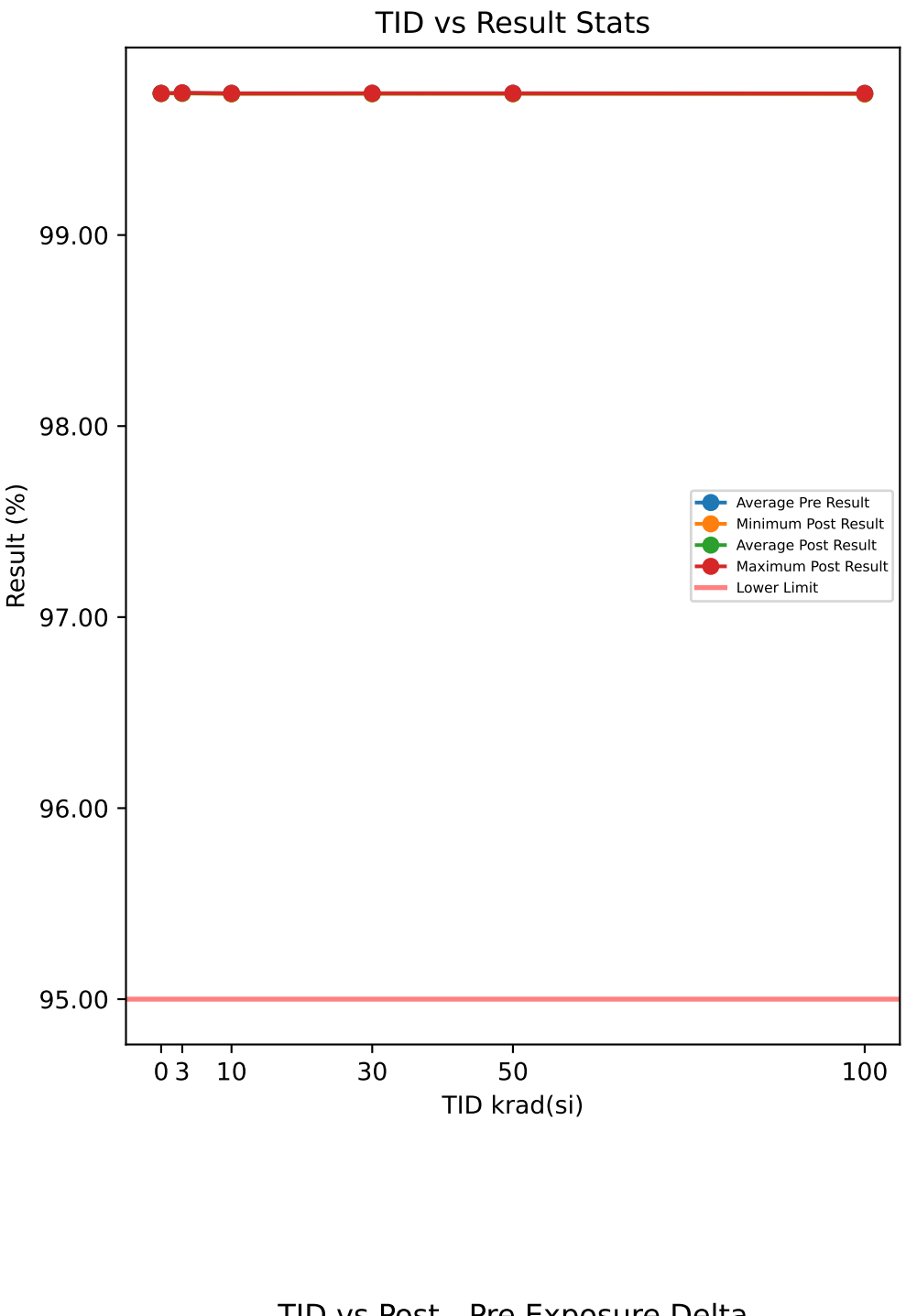
Test Results (Lower Limit = 95.0 (%))

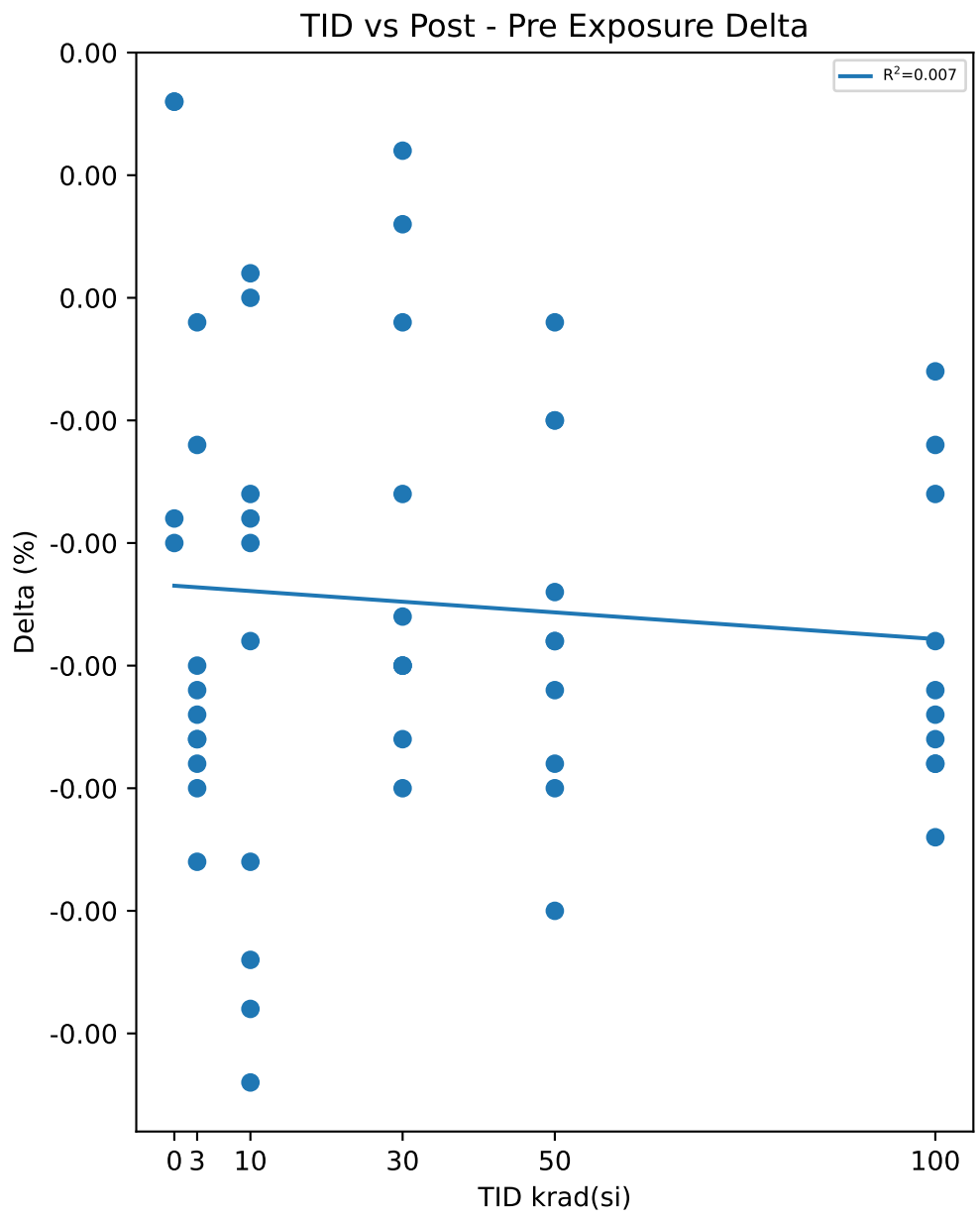
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	99.806	99.807	0.0008
3	3	Biased	99.802	99.805	0.0026
4	3	Biased	99.806	99.807	0.0002
5	3	Biased	99.804	99.806	0.0028
6	3	Biased	99.806	99.805	-0.0005
7	3	Unbiased	99.804	99.806	0.0018
8	3	Unbiased	99.803	99.805	0.0025
9	3	Unbiased	99.804	99.806	0.0019
10	3	Unbiased	99.804	99.807	0.0031
11	3	Unbiased	99.804	99.806	0.0026
12	10	Unbiased	99.802	99.805	0.0027
13	10	Unbiased	99.802	99.803	0.0016
14	10	Unbiased	99.804	99.805	0.001
15	10	Unbiased	99.805	99.807	0.0023
16	10	Unbiased	99.804	99.804	0.0004
17	10	Biased	99.805	99.806	0.0013
18	10	Biased	99.803	99.805	0.0018
19	10	Biased	99.805	99.808	0.0028
20	10	Biased	99.801	99.805	0.0037
21	10	Biased	99.802	99.807	0.0046
22	30	Biased	99.804	99.805	0.0017
23	30	Biased	99.801	99.803	0.0025
24	30	Biased	99.803	99.805	0.0022
25	30	Biased	99.804	99.807	0.0031
26	30	Biased	99.803	99.806	0.0031
27	30	Unbiased	99.804	99.805	0.0014
28	30	Unbiased	99.803	99.805	0.0017
29	30	Unbiased	99.802	99.806	0.0041
30	30	Unbiased	99.804	99.806	0.0022
31	30	Unbiased	99.801	99.804	0.0033
32	50	Biased	99.804	99.806	0.0021
33	50	Biased	99.804	99.806	0.0017
34	50	Biased	99.802	99.804	0.002
35	50	Biased	99.804	99.805	0.0009
36	50	Biased	99.802	99.805	0.0025
37	50	Unbiased	99.803	99.806	0.0028
39	50	Unbiased	99.805	99.806	0.0012
40	50	Unbiased	99.804	99.806	0.0022
41	50	Unbiased	99.802	99.805	0.0026
42	50	Unbiased	99.803	99.805	0.0021
43	100	Biased	99.802	99.805	0.0028
44	100	Biased	99.803	99.805	0.0015
45	100	Biased	99.802	99.804	0.0017
46	100	Biased	99.804	99.805	0.0013
47	100	Biased	99.801	99.803	0.0017
48	100	Unbiased	99.803	99.805	0.0022
49	100	Unbiased	99.804	99.804	0.0004
50	100	Unbiased	99.802	99.804	0.0016
51	100	Unbiased	99.8	99.802	0.0026
52	100	Unbiased	99.803	99.805	0.002
53	0	Correlation	99.805	99.806	0.0006
54	0	Correlation	99.802	99.805	0.0031
55	0	Correlation	99.802	99.805	0.0024
56	0	Correlation	99.801	99.805	0.0035

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	99.801	99.803	99.805	0.0019114	99.805	99.805	99.806	0.00066833	0.0006	0.0024	0.0035	0.0012832
3	99.802	99.804	99.806	0.001469	99.805	99.806	99.807	0.0008034	-0.0005	0.00178	0.0031	0.0012164
10	99.801	99.803	99.805	0.001303	99.803	99.805	99.808	0.0013282	0.0004	0.00222	0.0046	0.0012752
30	99.801	99.803	99.804	0.0012109	99.803	99.805	99.807	0.001115	0.0014	0.00253	0.0041	0.00085512
50	99.802	99.803	99.805	0.00091536	99.804	99.805	99.806	0.00071212	0.0009	0.00201	0.0028	0.00060083
100	99.8	99.802	99.804	0.0012876	99.802	99.804	99.805	0.00098798	0.0004	0.00178	0.0028	0.0006828

Device Test: 6.58; VOH_WDO_2MA





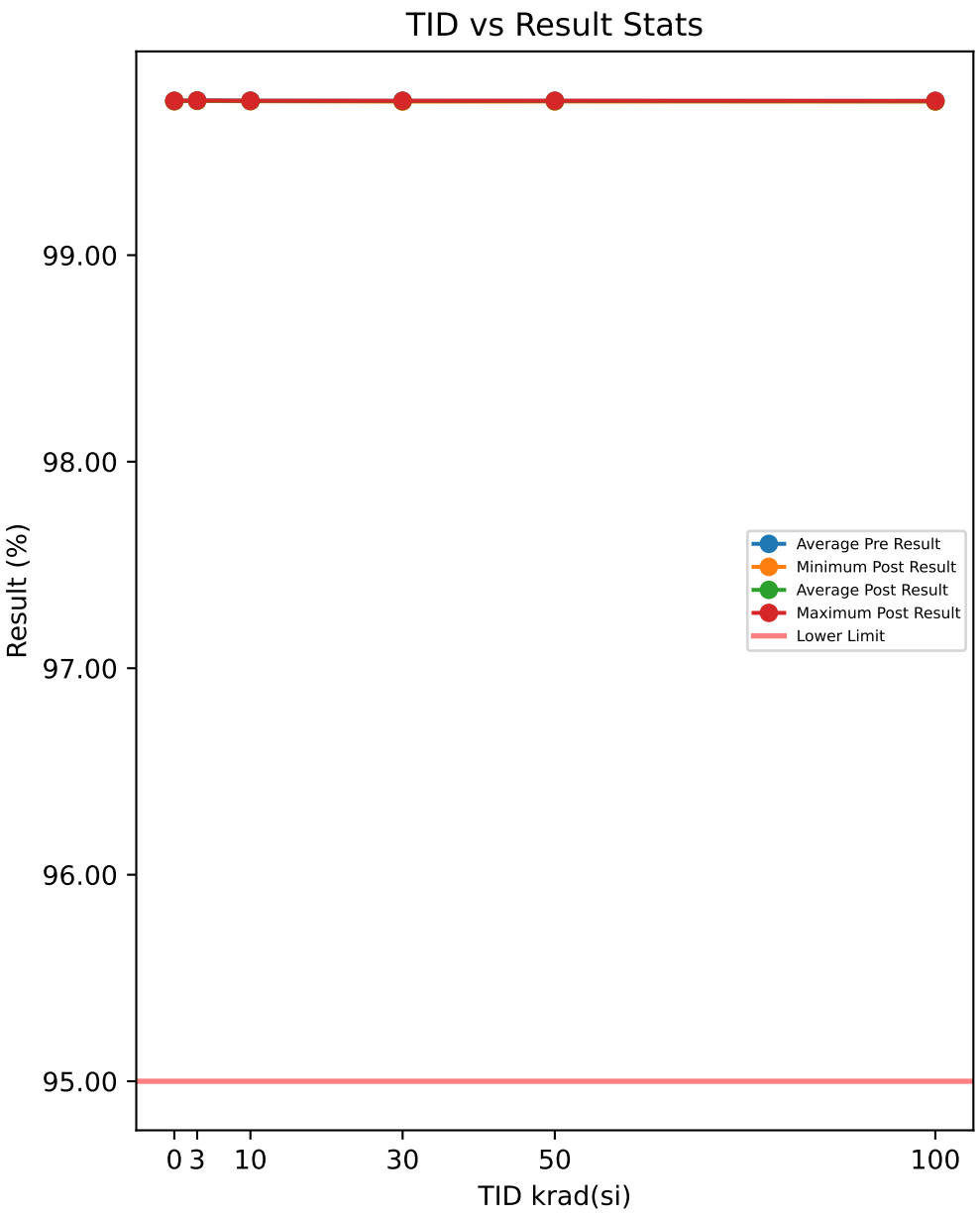
Test Results (Lower Limit = 95.0 (%))

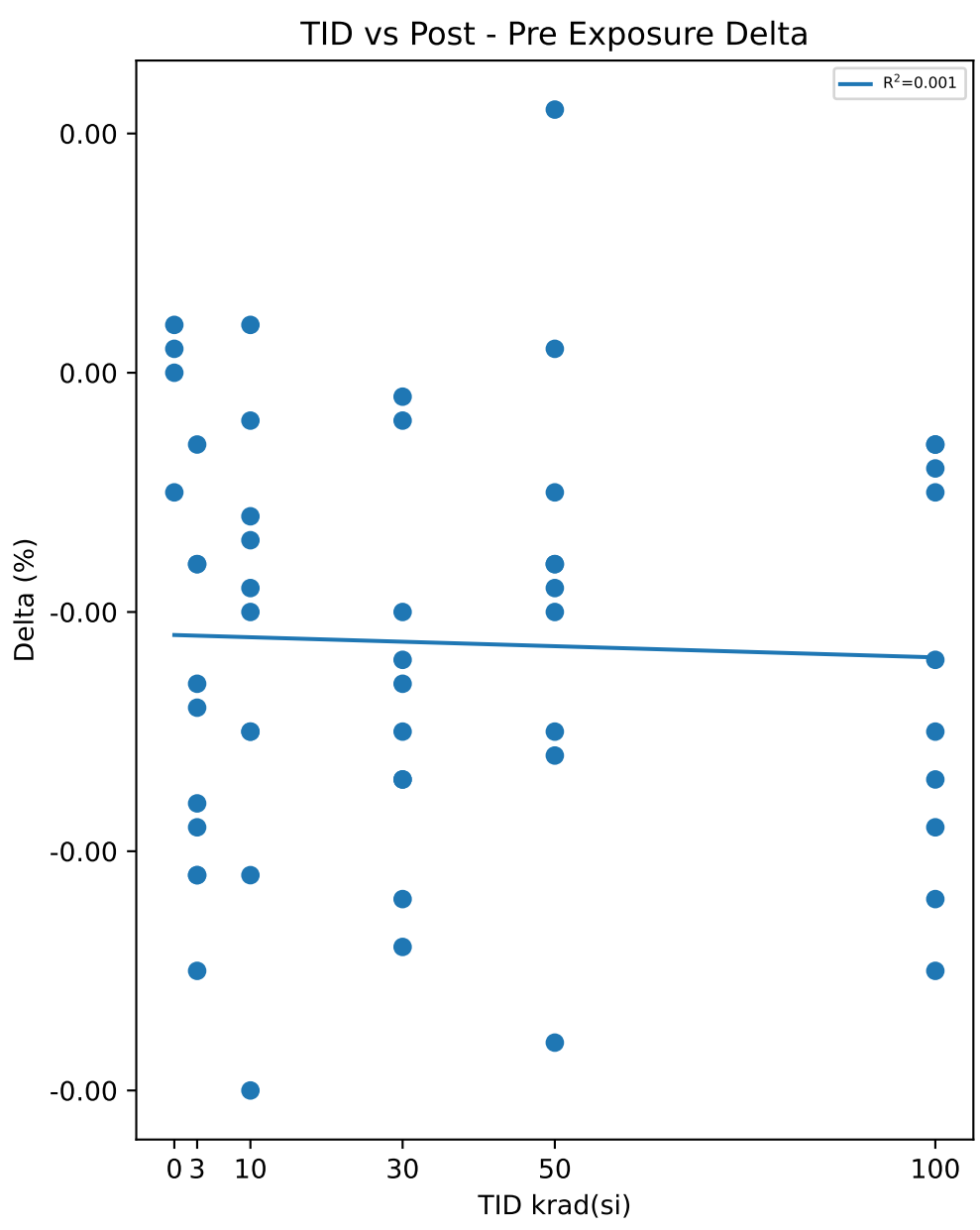
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	99.745	99.745	-0.0006
3	3	Biased	99.743	99.741	-0.0018
4	3	Biased	99.744	99.744	-0.0001
5	3	Biased	99.743	99.741	-0.002
6	3	Biased	99.744	99.743	-0.0015
7	3	Unbiased	99.744	99.742	-0.0018
8	3	Unbiased	99.744	99.742	-0.0023
9	3	Unbiased	99.744	99.742	-0.0019
10	3	Unbiased	99.743	99.741	-0.0016
11	3	Unbiased	99.744	99.742	-0.0017
12	10	Unbiased	99.743	99.74	-0.0027
13	10	Unbiased	99.742	99.739	-0.0032
14	10	Unbiased	99.741	99.74	-0.0009
15	10	Unbiased	99.742	99.742	0.0001
16	10	Unbiased	99.741	99.74	-0.0008
17	10	Biased	99.743	99.742	-0.001
18	10	Biased	99.742	99.74	-0.0014
19	10	Biased	99.741	99.741	0
20	10	Biased	99.742	99.739	-0.0029
21	10	Biased	99.743	99.74	-0.0023
22	30	Biased	99.743	99.741	-0.0018
23	30	Biased	99.742	99.74	-0.0015
24	30	Biased	99.742	99.74	-0.002
25	30	Biased	99.742	99.743	0.0003
26	30	Biased	99.743	99.742	-0.0013
27	30	Unbiased	99.742	99.741	-0.0008
28	30	Unbiased	99.742	99.74	-0.0015
29	30	Unbiased	99.742	99.74	-0.0015
30	30	Unbiased	99.74	99.741	0.0006
31	30	Unbiased	99.739	99.739	-0.0001
32	50	Biased	99.741	99.74	-0.0019
33	50	Biased	99.742	99.742	-0.0001
34	50	Biased	99.742	99.74	-0.002
35	50	Biased	99.741	99.739	-0.0025
36	50	Biased	99.741	99.74	-0.0012
37	50	Unbiased	99.742	99.741	-0.0016
39	50	Unbiased	99.742	99.742	-0.0005
40	50	Unbiased	99.743	99.742	-0.0014
41	50	Unbiased	99.742	99.74	-0.0014
42	50	Unbiased	99.742	99.741	-0.0005
43	100	Biased	99.742	99.74	-0.0019
44	100	Biased	99.743	99.741	-0.0018
45	100	Biased	99.742	99.74	-0.0017
46	100	Biased	99.742	99.742	-0.0003
47	100	Biased	99.74	99.738	-0.0019
48	100	Unbiased	99.742	99.741	-0.0014
49	100	Unbiased	99.742	99.742	-0.0008
50	100	Unbiased	99.742	99.74	-0.0022
51	100	Unbiased	99.74	99.738	-0.0016
52	100	Unbiased	99.74	99.74	-0.0006
53	0	Correlation	99.741	99.742	0.0008
54	0	Correlation	99.742	99.741	-0.001
55	0	Correlation	99.742	99.741	-0.0009
56	0	Correlation	99.74	99.741	0.0008

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	99.74	99.741	99.742	0.00096393	99.741	99.741	99.742	0.00052281	-0.001	-7.5e-05	0.0008	0.0010112
3	99.743	99.744	99.745	0.00073643	99.741	99.742	99.745	0.0011607	-0.0023	-0.00153	-0.0001	0.00067007
10	99.741	99.742	99.743	0.0006996	99.739	99.74	99.742	0.0010298	-0.0032	-0.00151	0.0001	0.0011949
30	99.739	99.742	99.743	0.0011952	99.739	99.741	99.743	0.0010448	-0.002	-0.00096	0.0006	0.00091676
50	99.741	99.742	99.743	0.0006186	99.739	99.741	99.742	0.0011235	-0.0025	-0.00131	-0.0001	0.00075491
100	99.74	99.742	99.743	0.0012605	99.738	99.74	99.742	0.0014014	-0.0022	-0.00142	-0.0003	0.00063561

Device Test: 6.59; VOH_PWRGD_2MA





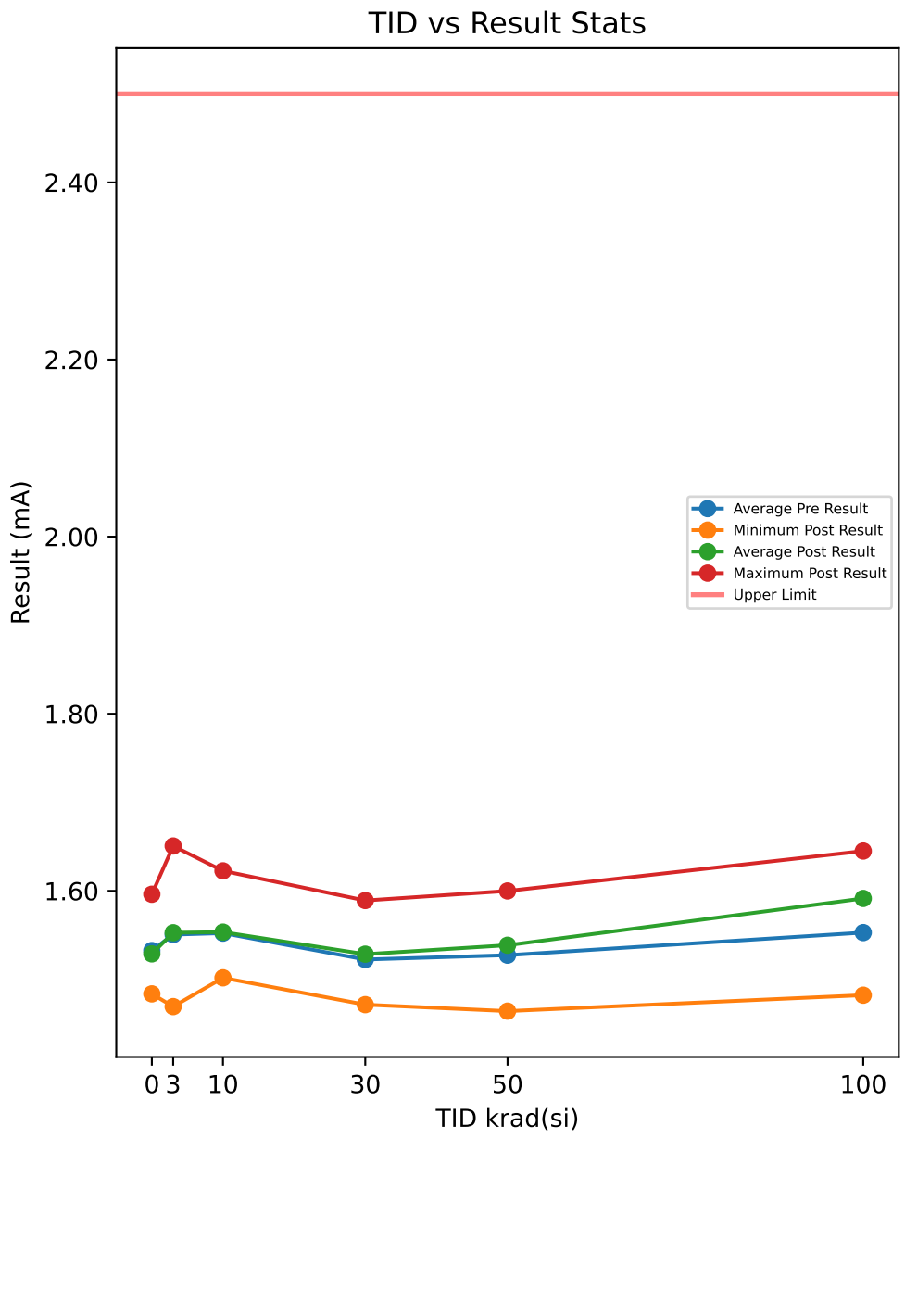
Test Results (Lower Limit = 95.0 (%))

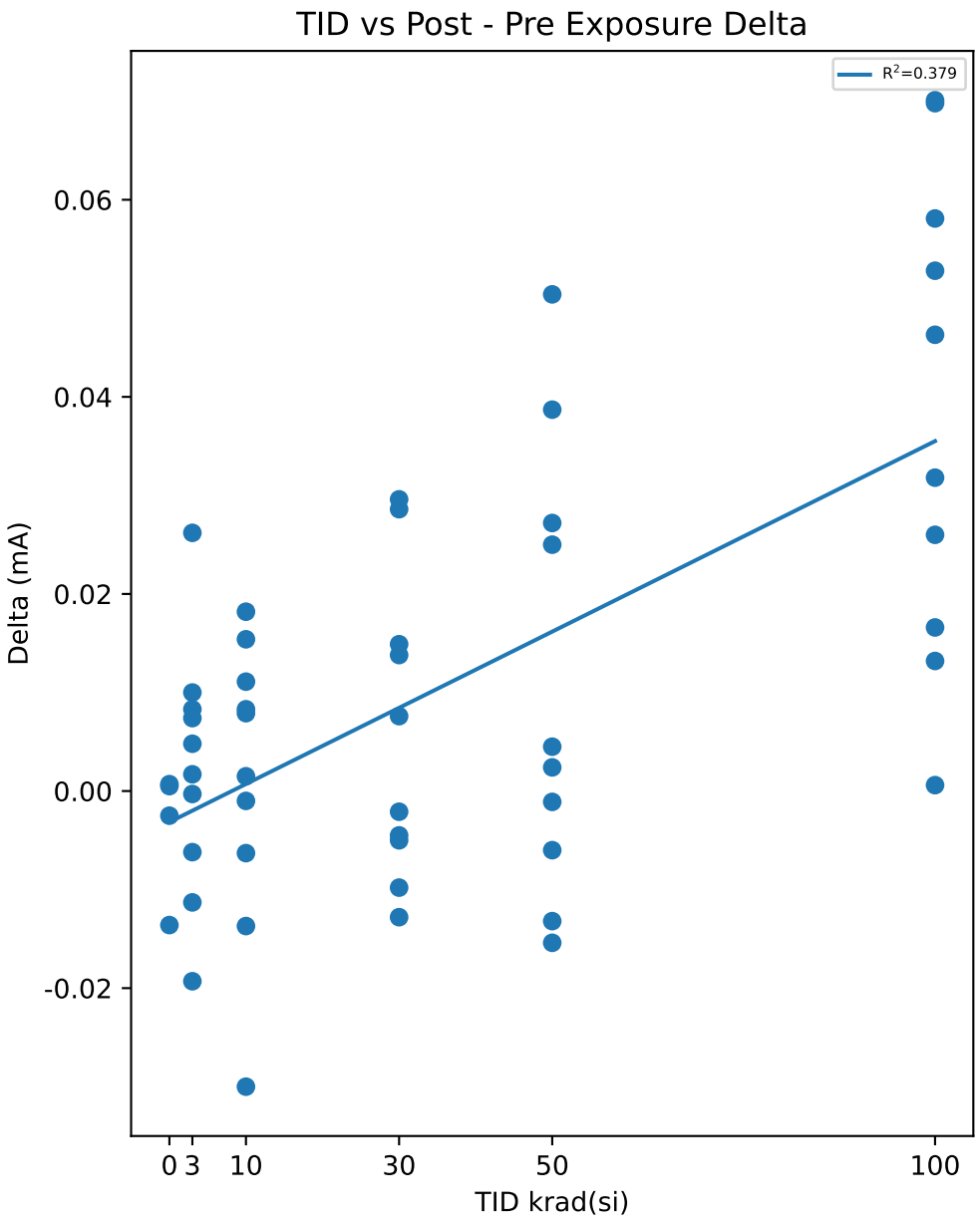
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	99.75	99.749	-0.0014
3	3	Biased	99.748	99.747	-0.0003
4	3	Biased	99.75	99.748	-0.0021
5	3	Biased	99.749	99.747	-0.0018
6	3	Biased	99.749	99.749	-0.0008
7	3	Unbiased	99.748	99.747	-0.0008
8	3	Unbiased	99.748	99.747	-0.0013
9	3	Unbiased	99.75	99.747	-0.0025
10	3	Unbiased	99.75	99.748	-0.0019
11	3	Unbiased	99.749	99.747	-0.0021
12	10	Unbiased	99.748	99.745	-0.003
13	10	Unbiased	99.748	99.746	-0.0021
14	10	Unbiased	99.748	99.747	-0.0006
15	10	Unbiased	99.748	99.747	-0.0015
16	10	Unbiased	99.747	99.746	-0.0007
17	10	Biased	99.748	99.747	-0.001
18	10	Biased	99.747	99.747	0.0002
19	10	Biased	99.747	99.746	-0.0015
20	10	Biased	99.747	99.746	-0.0009
21	10	Biased	99.748	99.748	-0.0002
22	30	Biased	99.748	99.747	-0.0013
23	30	Biased	99.747	99.746	-0.001
24	30	Biased	99.747	99.746	-0.0015
25	30	Biased	99.75	99.747	-0.0022
26	30	Biased	99.748	99.746	-0.0017
27	30	Unbiased	99.748	99.745	-0.0024
28	30	Unbiased	99.747	99.746	-0.0012
29	30	Unbiased	99.746	99.746	-0.0002
30	30	Unbiased	99.747	99.747	-0.0001
31	30	Unbiased	99.745	99.743	-0.0017
32	50	Biased	99.747	99.746	-0.0008
33	50	Biased	99.748	99.747	-0.0015
34	50	Biased	99.746	99.744	-0.0016
35	50	Biased	99.747	99.744	-0.0028
36	50	Biased	99.746	99.746	-0.0008
37	50	Unbiased	99.748	99.747	-0.0005
39	50	Unbiased	99.749	99.748	-0.001
40	50	Unbiased	99.747	99.748	0.0011
41	50	Unbiased	99.746	99.745	-0.0009
42	50	Unbiased	99.746	99.746	0.0001
43	100	Biased	99.746	99.746	-0.0005
44	100	Biased	99.749	99.747	-0.0017
45	100	Biased	99.745	99.745	-0.0003
46	100	Biased	99.749	99.747	-0.0019
47	100	Biased	99.745	99.743	-0.0015
48	100	Unbiased	99.748	99.747	-0.0004
49	100	Unbiased	99.748	99.746	-0.0025
50	100	Unbiased	99.747	99.745	-0.0022
51	100	Unbiased	99.744	99.743	-0.0003
52	100	Unbiased	99.746	99.744	-0.0012
53	0	Correlation	99.748	99.747	-0.0005
54	0	Correlation	99.746	99.746	0.0001
55	0	Correlation	99.747	99.747	0
56	0	Correlation	99.745	99.745	0.0002

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	99.745	99.746	99.748	0.0013441	99.745	99.746	99.747	0.001063	-0.0005	-5e-05	0.0002	0.00031091
3	99.748	99.749	99.75	0.00099001	99.747	99.748	99.749	0.00076746	-0.0025	-0.0015	-0.0003	0.00070238
10	99.747	99.748	99.748	0.00062548	99.745	99.746	99.748	0.00072755	-0.003	-0.00113	0.0002	0.00093577
30	99.745	99.747	99.75	0.0011499	99.743	99.746	99.747	0.0010883	-0.0024	-0.00133	-0.0001	0.00075432
50	99.746	99.747	99.749	0.0010001	99.744	99.746	99.748	0.0014259	-0.0028	-0.00087	0.0011	0.001035
100	99.744	99.747	99.749	0.0016873	99.743	99.745	99.747	0.0013461	-0.0025	-0.00125	-0.0003	0.000833

Device Test: 6.6; IQ





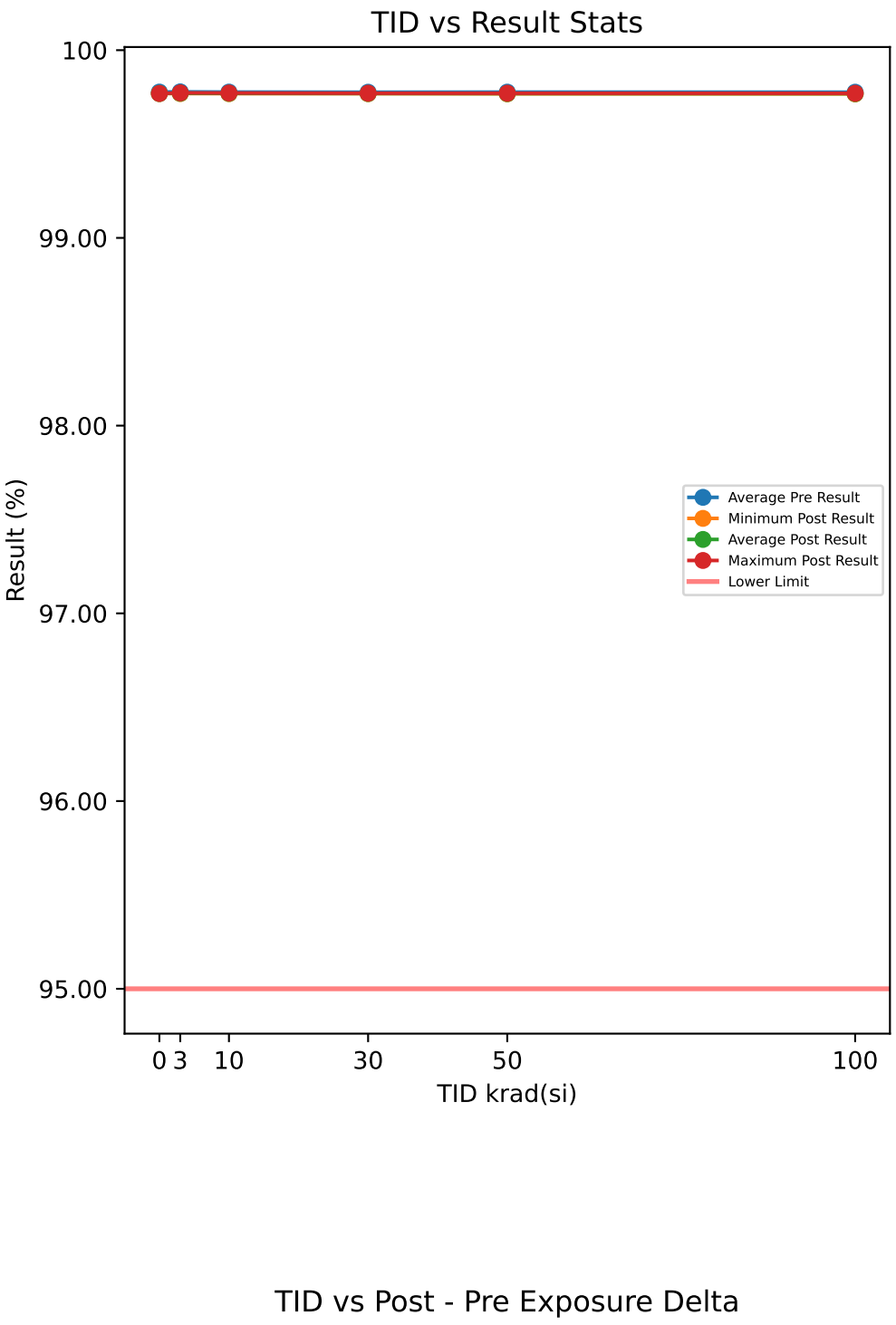
Test Results (Upper Limit = 2.5 (mA))

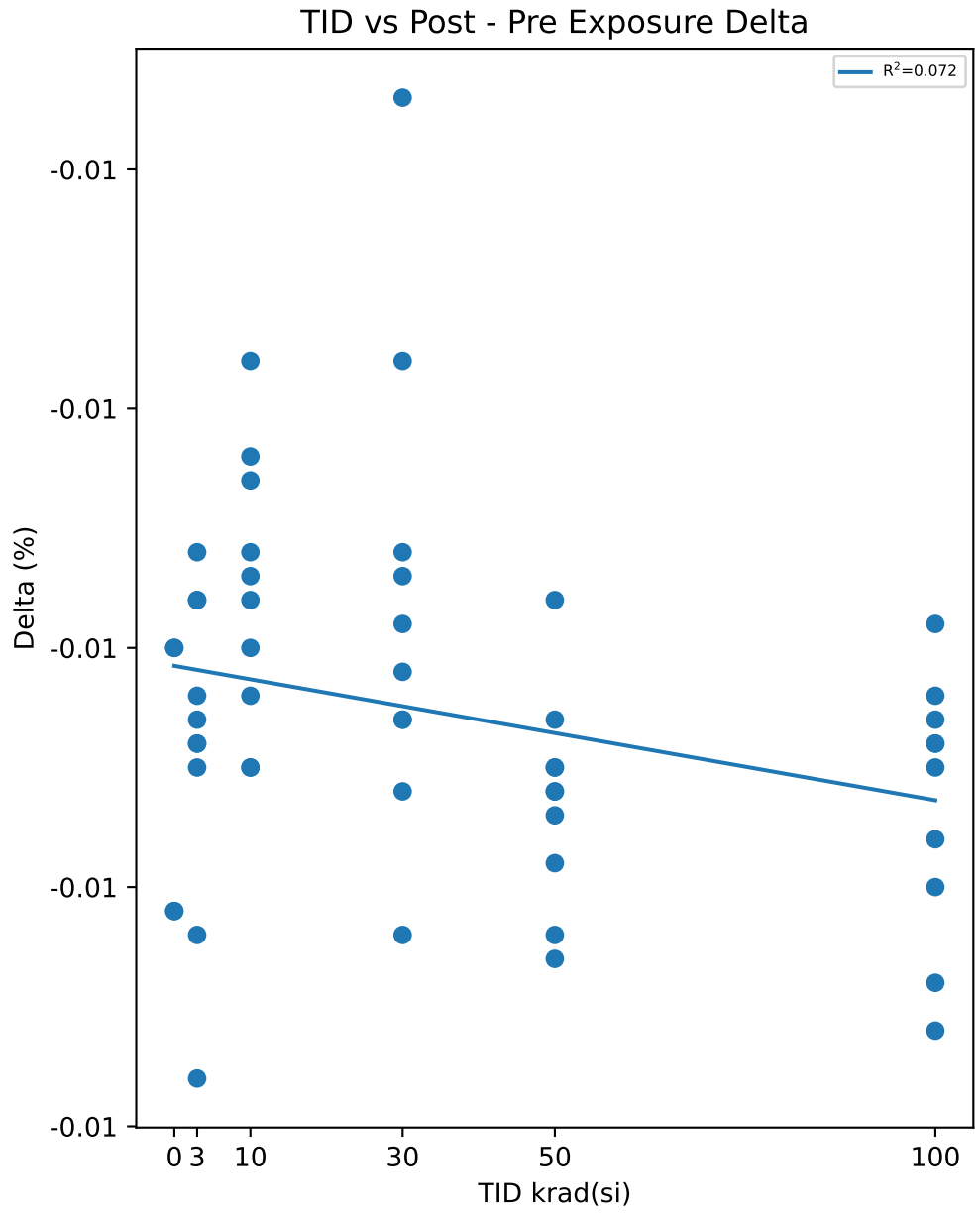
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.507	1.517	0.01
3	3	Biased	1.5967	1.5964	-0.0003
4	3	Biased	1.5053	1.5101	0.0048
5	3	Biased	1.6245	1.6507	0.0262
6	3	Biased	1.58	1.5607	-0.0193
7	3	Unbiased	1.4919	1.4857	-0.0062
8	3	Unbiased	1.5371	1.5454	0.0083
9	3	Unbiased	1.5618	1.5692	0.0074
10	3	Unbiased	1.4806	1.4693	-0.0113
11	3	Unbiased	1.6212	1.6229	0.0017
12	10	Unbiased	1.5318	1.5018	-0.03
13	10	Unbiased	1.6035	1.5898	-0.0137
14	10	Unbiased	1.5047	1.5158	0.0111
15	10	Unbiased	1.4983	1.5066	0.0083
16	10	Unbiased	1.5356	1.5435	0.0079
17	10	Biased	1.5916	1.5906	-0.001
18	10	Biased	1.6211	1.6226	0.0015
19	10	Biased	1.5182	1.5364	0.0182
20	10	Biased	1.5741	1.5678	-0.0063
21	10	Biased	1.5441	1.5595	0.0154
22	30	Biased	1.5753	1.5891	0.0138
23	30	Biased	1.5151	1.513	-0.0021
24	30	Biased	1.536	1.531	-0.005
25	30	Biased	1.5527	1.5603	0.0076
26	30	Biased	1.516	1.5032	-0.0128
27	30	Unbiased	1.476	1.4715	-0.0045
28	30	Unbiased	1.4877	1.5163	0.0286
29	30	Unbiased	1.4944	1.5093	0.0149
30	30	Unbiased	1.4927	1.5223	0.0296
31	30	Unbiased	1.5788	1.569	-0.0098
32	50	Biased	1.5194	1.5698	0.0504
33	50	Biased	1.5312	1.5158	-0.0154
34	50	Biased	1.5341	1.5365	0.0024
35	50	Biased	1.6041	1.5909	-0.0132
36	50	Biased	1.5347	1.5597	0.025
37	50	Unbiased	1.5373	1.5418	0.0045
39	50	Unbiased	1.521	1.515	-0.006
40	50	Unbiased	1.4653	1.4642	-0.0011
41	50	Unbiased	1.4654	1.4926	0.0272
42	50	Unbiased	1.5612	1.5999	0.0387
43	100	Biased	1.5359	1.5677	0.0318
44	100	Biased	1.5561	1.6259	0.0698
45	100	Biased	1.6108	1.6368	0.026
46	100	Biased	1.4816	1.4822	0.0006
47	100	Biased	1.5777	1.5909	0.0132
48	100	Unbiased	1.5551	1.6132	0.0581
49	100	Unbiased	1.5733	1.6261	0.0528
50	100	Unbiased	1.5241	1.5942	0.0701
51	100	Unbiased	1.5987	1.645	0.0463
52	100	Unbiased	1.5157	1.5323	0.0166
53	0	Correlation	1.5227	1.5232	0.0005
54	0	Correlation	1.4862	1.4837	-0.0025
55	0	Correlation	1.5259	1.5123	-0.0136
56	0	Correlation	1.5955	1.5962	0.0007

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	1.4862	1.5326	1.5955	0.045652	1.4837	1.5289	1.5962	0.04789	-0.0136	-0.003725	0.0007	0.0067441
3	1.4806	1.5506	1.6245	0.053791	1.4693	1.5527	1.6507	0.059034	-0.0193	0.00213	0.0262	0.012602
10	1.4983	1.5523	1.6211	0.042799	1.5018	1.5534	1.6226	0.039994	-0.03	0.00114	0.0182	0.014684
30	1.476	1.5225	1.5788	0.036818	1.4715	1.5285	1.5891	0.034985	-0.0128	0.00603	0.0296	0.015313
50	1.4653	1.5274	1.6041	0.040881	1.4642	1.5386	1.5999	0.043017	-0.0154	0.01125	0.0504	0.022636
100	1.4816	1.5529	1.6108	0.039556	1.4822	1.5914	1.645	0.051414	0.0006	0.03853	0.0701	0.024461

Device Test: 6.60; VOH_RESET_2MA





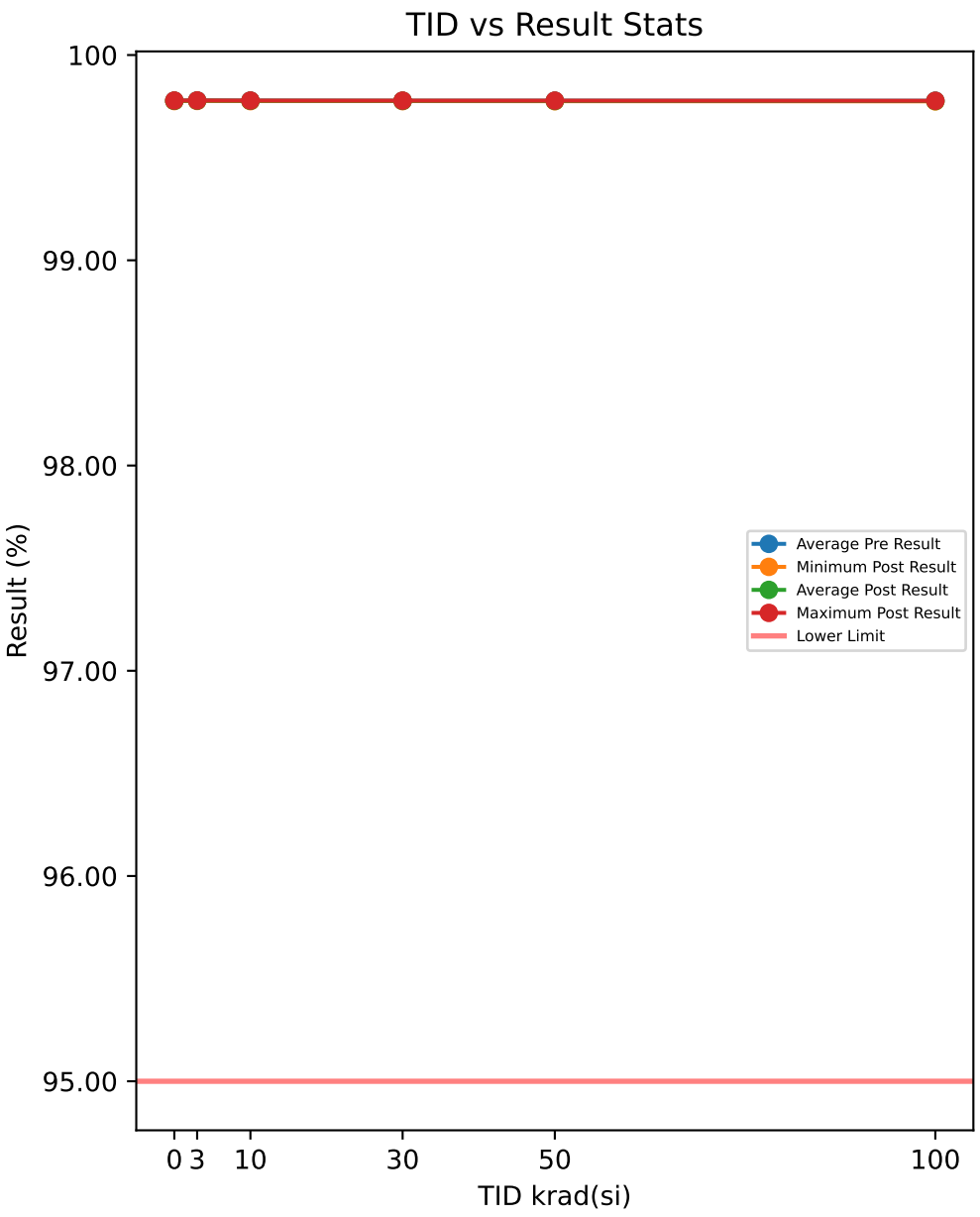
Test Results (Lower Limit = 95.0 (%))

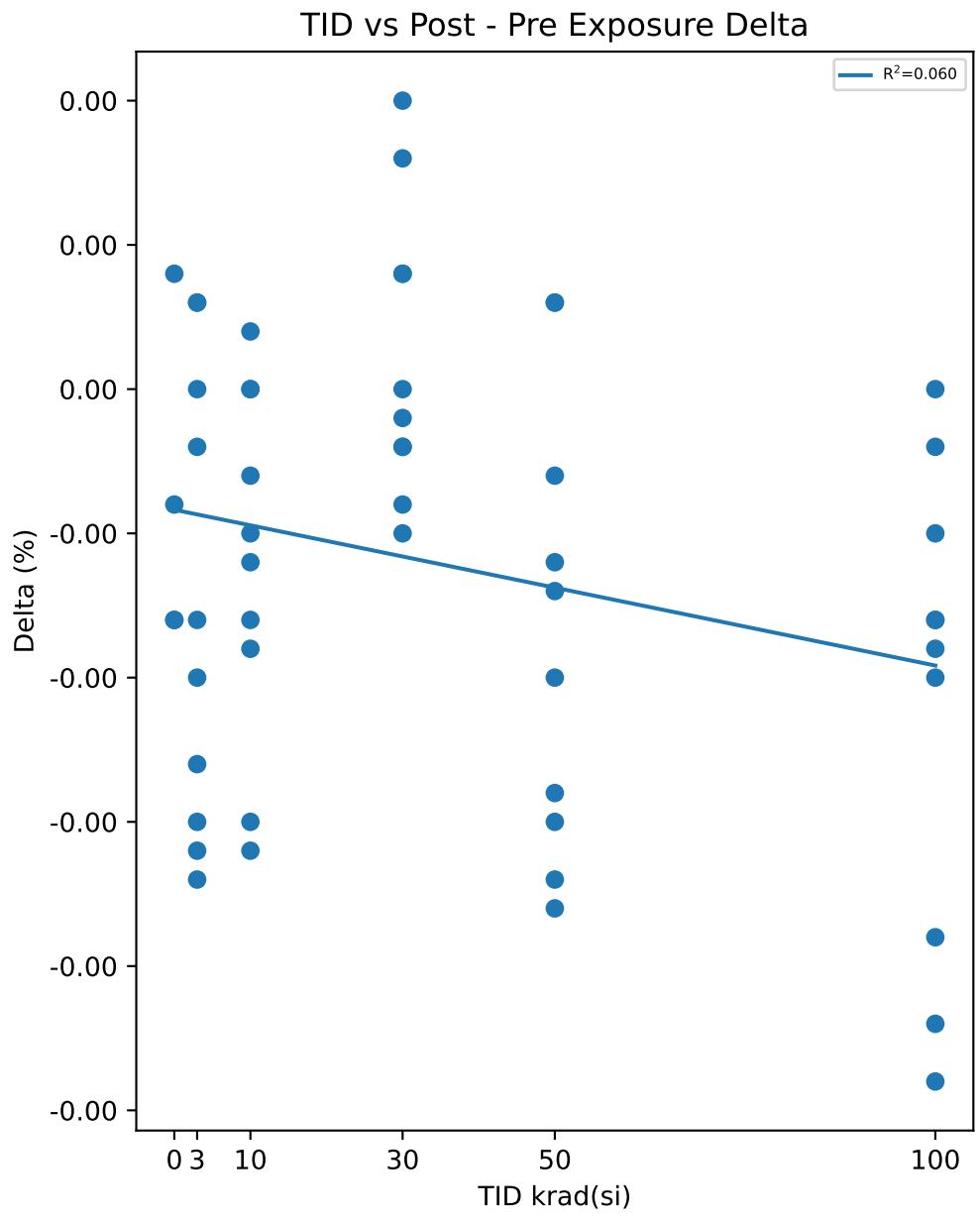
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	99.778	99.771	-0.0073
3	3	Biased	99.777	99.77	-0.0074
4	3	Biased	99.779	99.772	-0.0074
5	3	Biased	99.776	99.769	-0.0072
6	3	Biased	99.78	99.773	-0.0075
7	3	Unbiased	99.779	99.771	-0.0088
8	3	Unbiased	99.777	99.769	-0.0082
9	3	Unbiased	99.777	99.77	-0.0066
10	3	Unbiased	99.778	99.771	-0.0068
11	3	Unbiased	99.777	99.77	-0.0068
12	10	Unbiased	99.776	99.769	-0.0075
13	10	Unbiased	99.775	99.769	-0.0062
14	10	Unbiased	99.776	99.77	-0.0063
15	10	Unbiased	99.776	99.769	-0.0067
16	10	Unbiased	99.778	99.77	-0.0072
17	10	Biased	99.777	99.77	-0.0068
18	10	Biased	99.778	99.77	-0.0075
19	10	Biased	99.778	99.772	-0.0066
20	10	Biased	99.777	99.77	-0.007
21	10	Biased	99.776	99.77	-0.0058
22	30	Biased	99.774	99.769	-0.0047
23	30	Biased	99.774	99.768	-0.0058
24	30	Biased	99.776	99.769	-0.0067
25	30	Biased	99.776	99.769	-0.0071
26	30	Biased	99.777	99.769	-0.0076
27	30	Unbiased	99.776	99.769	-0.0066
28	30	Unbiased	99.776	99.768	-0.0073
29	30	Unbiased	99.778	99.771	-0.0069
30	30	Unbiased	99.777	99.769	-0.0073
31	30	Unbiased	99.778	99.769	-0.0082
32	50	Biased	99.777	99.77	-0.0073
33	50	Biased	99.777	99.769	-0.0077
34	50	Biased	99.775	99.768	-0.0068
35	50	Biased	99.777	99.769	-0.0083
36	50	Biased	99.775	99.768	-0.0076
37	50	Unbiased	99.776	99.769	-0.0076
39	50	Unbiased	99.777	99.769	-0.0082
40	50	Unbiased	99.778	99.771	-0.0075
41	50	Unbiased	99.775	99.767	-0.0075
42	50	Unbiased	99.777	99.769	-0.0079
43	100	Biased	99.777	99.77	-0.0074
44	100	Biased	99.776	99.768	-0.008
45	100	Biased	99.775	99.768	-0.0073
46	100	Biased	99.777	99.769	-0.0075
47	100	Biased	99.775	99.768	-0.0072
48	100	Unbiased	99.777	99.768	-0.0086
49	100	Unbiased	99.777	99.77	-0.0069
50	100	Unbiased	99.777	99.769	-0.0074
51	100	Unbiased	99.775	99.767	-0.0084
52	100	Unbiased	99.775	99.768	-0.0078
53	0	Correlation	99.778	99.769	-0.0081
54	0	Correlation	99.776	99.769	-0.007
55	0	Correlation	99.778	99.769	-0.0081
56	0	Correlation	99.776	99.769	-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	99.776	99.777	99.778	0.00086603	99.769	99.769	99.769	0.00023094	-0.0081	-0.00755	-0.007	0.00063509
3	99.776	99.778	99.78	0.0012528	99.769	99.771	99.773	0.0011198	-0.0088	-0.0074	-0.0066	0.00066833
10	99.775	99.777	99.778	0.00095038	99.769	99.77	99.772	0.00087946	-0.0075	-0.00676	-0.0058	0.00056016
30	99.774	99.776	99.778	0.0012056	99.768	99.769	99.771	0.00063675	-0.0082	-0.00682	-0.0047	0.0009807
50	99.775	99.776	99.778	0.0010644	99.767	99.769	99.771	0.00096747	-0.0083	-0.00764	-0.0068	0.00043256
100	99.775	99.776	99.777	0.00086049	99.767	99.769	99.77	0.0010661	-0.0086	-0.00765	-0.0069	0.00054212

Device Test: 6.61; VOH_RESET_2MA





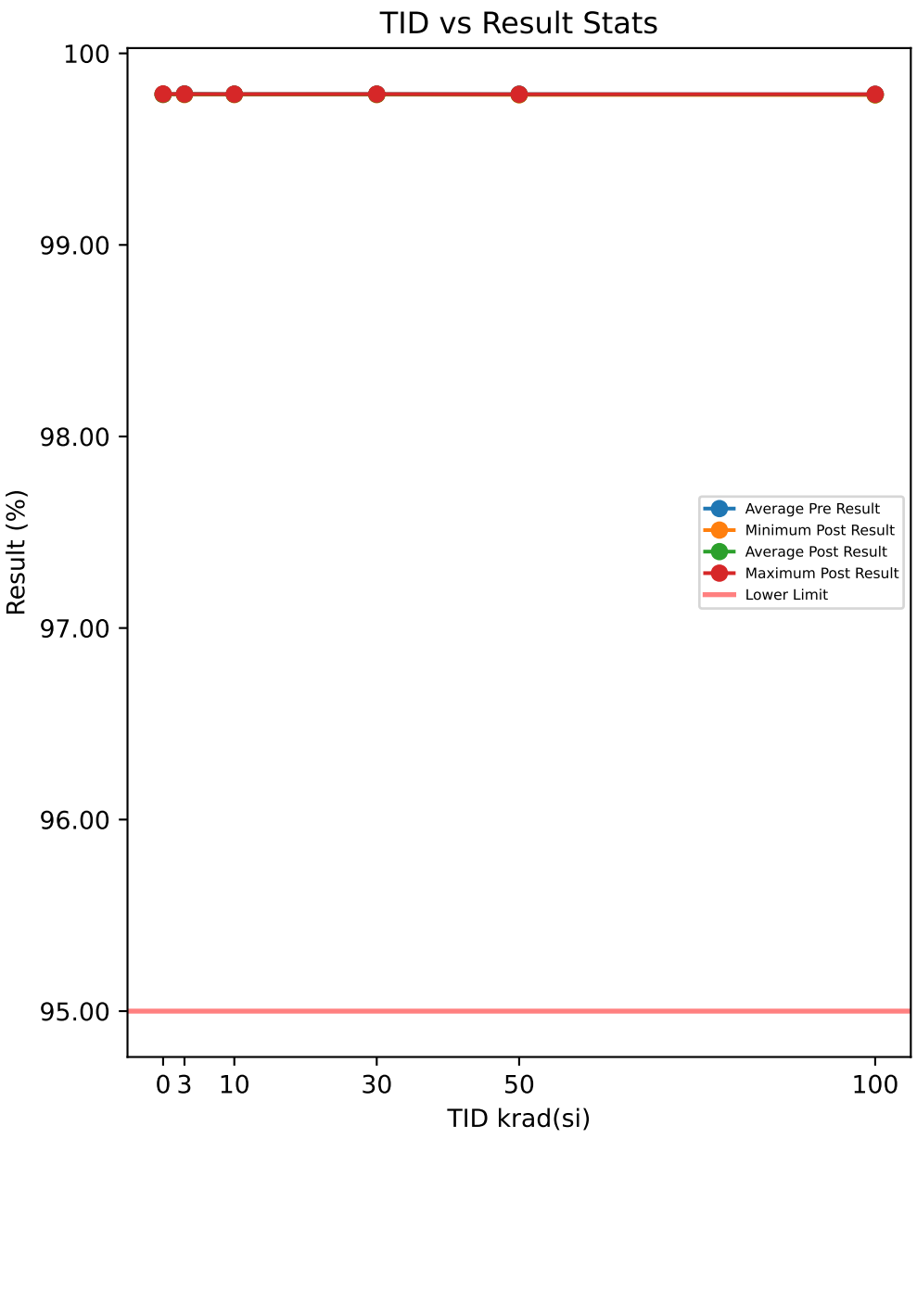
Test Results (Lower Limit = 95.0 (%))

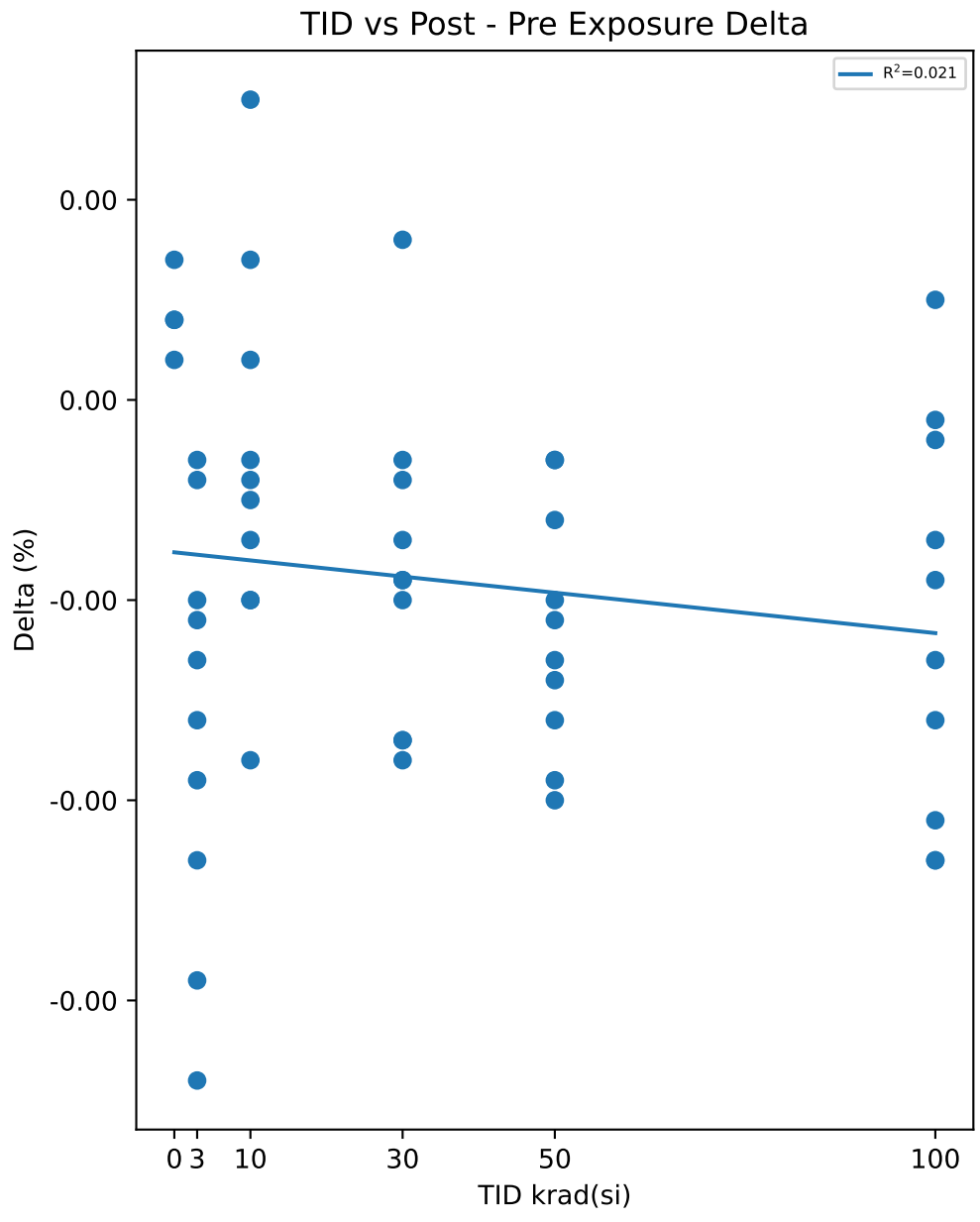
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	99.779	99.778	-0.0017
3	3	Biased	99.778	99.776	-0.0015
4	3	Biased	99.779	99.779	-0.0008
5	3	Biased	99.778	99.777	-0.001
6	3	Biased	99.779	99.778	-0.0013
7	3	Unbiased	99.778	99.778	0
8	3	Unbiased	99.779	99.777	-0.0016
9	3	Unbiased	99.778	99.779	0.0003
10	3	Unbiased	99.777	99.778	0.0003
11	3	Unbiased	99.778	99.777	-0.0002
12	10	Unbiased	99.777	99.775	-0.0015
13	10	Unbiased	99.776	99.775	-0.0005
14	10	Unbiased	99.776	99.776	0.0002
15	10	Unbiased	99.777	99.777	-0.0006
16	10	Unbiased	99.779	99.778	-0.0008
17	10	Biased	99.778	99.777	-0.0016
18	10	Biased	99.777	99.777	0
19	10	Biased	99.779	99.778	-0.0009
20	10	Biased	99.778	99.778	0
21	10	Biased	99.778	99.777	-0.0003
22	30	Biased	99.777	99.777	0
23	30	Biased	99.775	99.776	0.0004
24	30	Biased	99.776	99.777	0.001
25	30	Biased	99.777	99.778	0.0008
26	30	Biased	99.777	99.777	-0.0004
27	30	Unbiased	99.776	99.776	-0.0001
28	30	Unbiased	99.776	99.776	-0.0005
29	30	Unbiased	99.777	99.778	0.0004
30	30	Unbiased	99.777	99.777	-0.0002
31	30	Unbiased	99.777	99.777	-0.0002
32	50	Biased	99.778	99.776	-0.0014
33	50	Biased	99.776	99.776	0.0003
34	50	Biased	99.775	99.775	0.0003
35	50	Biased	99.777	99.777	-0.0006
36	50	Biased	99.776	99.775	-0.0015
37	50	Unbiased	99.778	99.776	-0.0017
39	50	Unbiased	99.779	99.778	-0.0007
40	50	Unbiased	99.778	99.776	-0.0018
41	50	Unbiased	99.777	99.777	-0.0003
42	50	Unbiased	99.778	99.777	-0.001
43	100	Biased	99.778	99.776	-0.0024
44	100	Biased	99.778	99.776	-0.0019
45	100	Biased	99.776	99.776	0
46	100	Biased	99.778	99.777	-0.0008
47	100	Biased	99.776	99.776	-0.0002
48	100	Unbiased	99.778	99.775	-0.0022
49	100	Unbiased	99.778	99.777	-0.0009
50	100	Unbiased	99.777	99.776	-0.001
51	100	Unbiased	99.775	99.774	-0.0005
52	100	Unbiased	99.776	99.775	-0.0008
53	0	Correlation	99.778	99.778	0.0004
54	0	Correlation	99.777	99.776	-0.0008
55	0	Correlation	99.777	99.777	-0.0004
56	0	Correlation	99.777	99.776	-0.0008

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	99.777	99.777	99.778	0.00049244	99.776	99.777	99.778	0.001021	-0.0008	-0.0004	0.0004	0.00056569
3	99.777	99.778	99.779	0.00084518	99.776	99.778	99.779	0.00075159	-0.0017	-0.00075	0.0003	0.00079057
10	99.776	99.778	99.779	0.00097434	99.775	99.777	99.778	0.00091797	-0.0016	-0.0006	0.0002	0.00061464
30	99.775	99.777	99.777	0.00062902	99.776	99.777	99.778	0.00070151	-0.0005	0.00012	0.001	0.00050728
50	99.775	99.777	99.779	0.0010231	99.775	99.776	99.778	0.00079924	-0.0018	-0.00084	0.0003	0.00077488
100	99.775	99.777	99.778	0.0012618	99.774	99.776	99.777	0.00086436	-0.0024	-0.00107	0	0.00082603

Device Test: 6.62; VOH_RESET_2MA





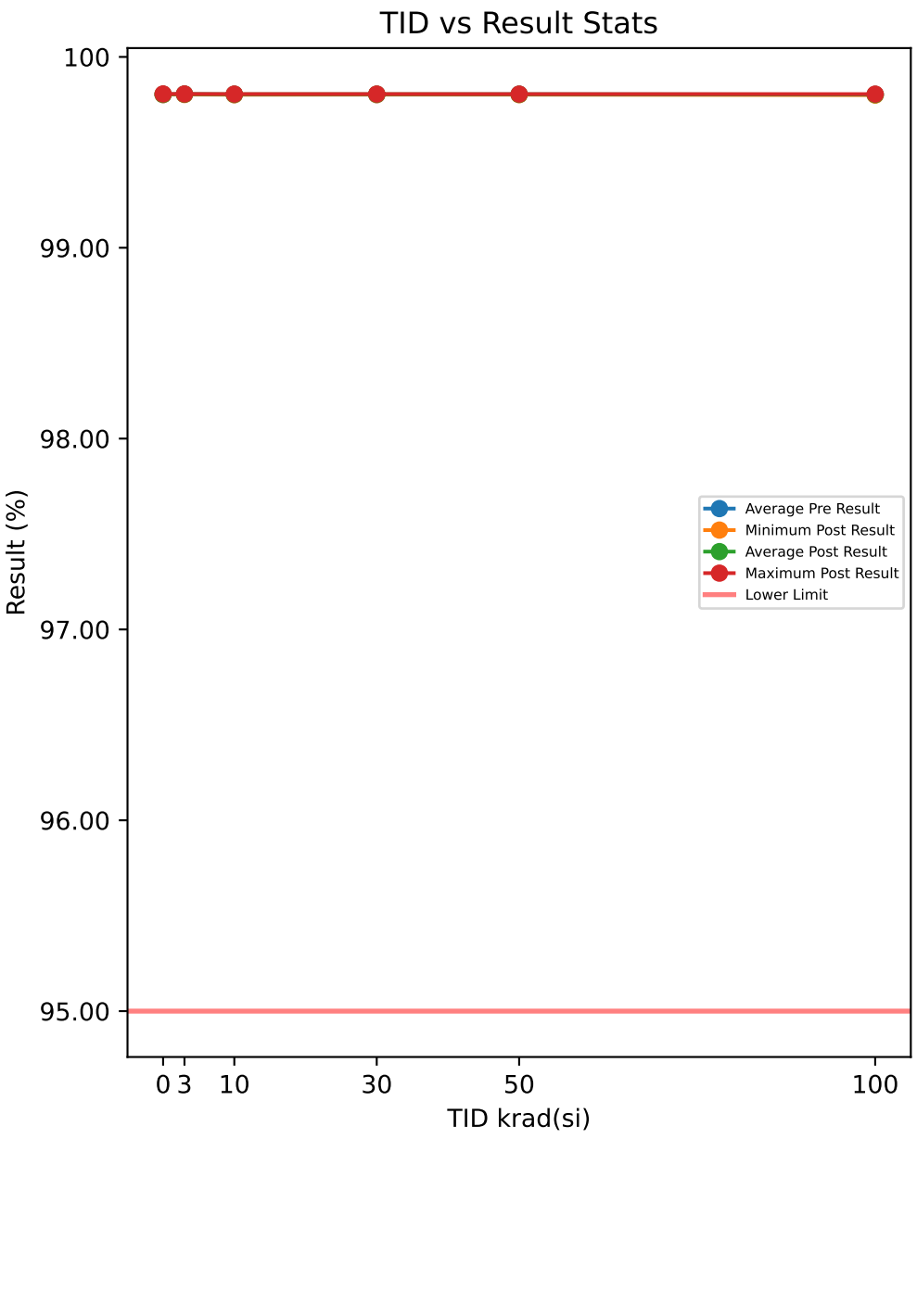
Test Results (Lower Limit = 95.0 (%))

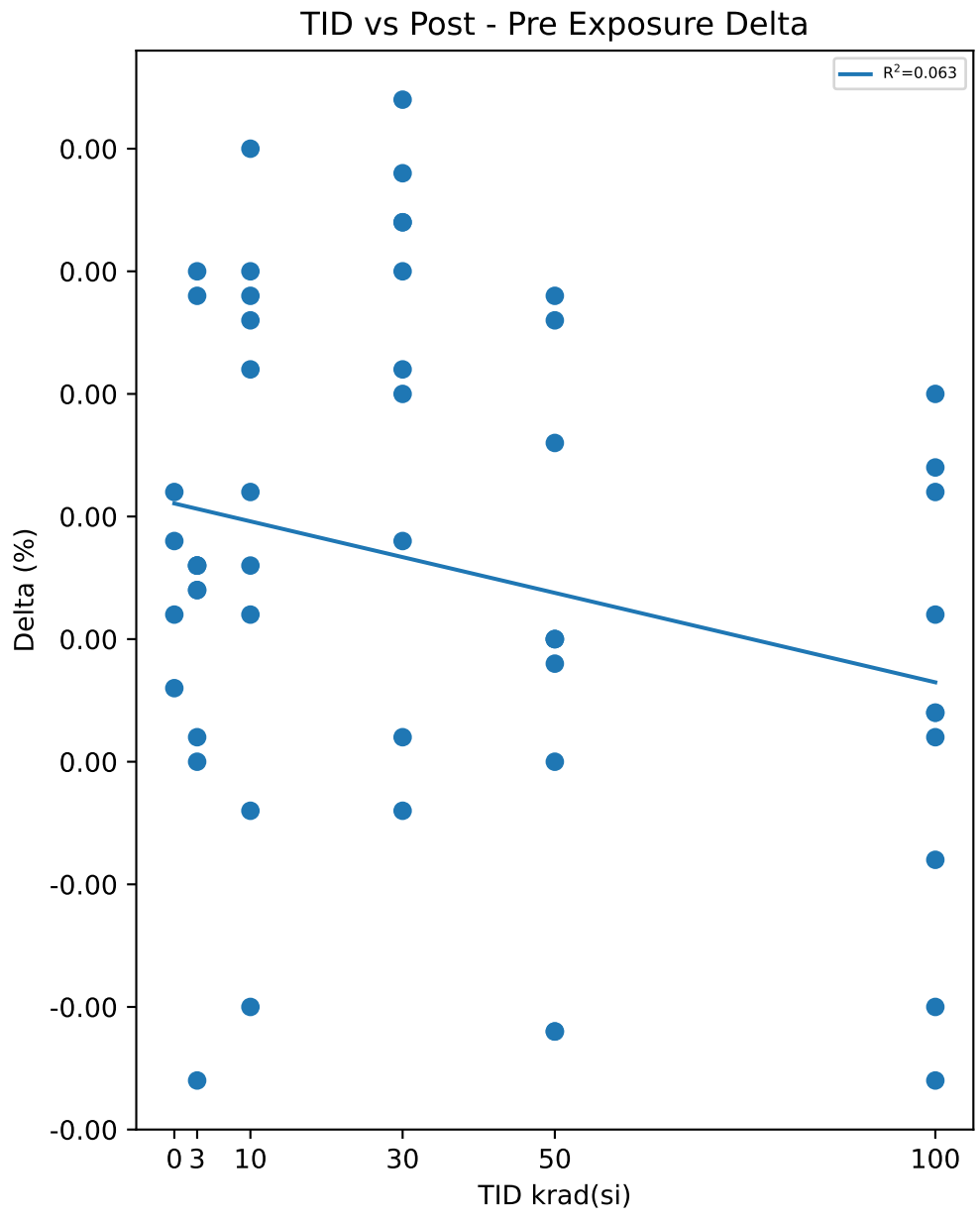
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	99.789	99.786	-0.0034
3	3	Biased	99.787	99.785	-0.0023
4	3	Biased	99.79	99.787	-0.0029
5	3	Biased	99.788	99.787	-0.0011
6	3	Biased	99.788	99.787	-0.0004
7	3	Unbiased	99.789	99.787	-0.0019
8	3	Unbiased	99.787	99.786	-0.001
9	3	Unbiased	99.788	99.787	-0.0016
10	3	Unbiased	99.788	99.788	-0.0003
11	3	Unbiased	99.788	99.787	-0.0013
12	10	Unbiased	99.787	99.786	-0.0007
13	10	Unbiased	99.785	99.785	-0.0005
14	10	Unbiased	99.786	99.785	-0.001
15	10	Unbiased	99.787	99.786	-0.0003
16	10	Unbiased	99.788	99.786	-0.0018
17	10	Biased	99.788	99.787	-0.0004
18	10	Biased	99.787	99.786	-0.001
19	10	Biased	99.787	99.787	0.0002
20	10	Biased	99.786	99.786	0.0007
21	10	Biased	99.785	99.787	0.0015
22	30	Biased	99.788	99.787	-0.001
23	30	Biased	99.786	99.785	-0.0009
24	30	Biased	99.786	99.786	-0.0003
25	30	Biased	99.787	99.787	0.0008
26	30	Biased	99.788	99.787	-0.0009
27	30	Unbiased	99.787	99.785	-0.0017
28	30	Unbiased	99.787	99.785	-0.0018
29	30	Unbiased	99.788	99.787	-0.0007
30	30	Unbiased	99.787	99.787	-0.0004
31	30	Unbiased	99.787	99.785	-0.0017
32	50	Biased	99.787	99.786	-0.0003
33	50	Biased	99.788	99.786	-0.0014
34	50	Biased	99.786	99.784	-0.002
35	50	Biased	99.785	99.785	-0.0003
36	50	Biased	99.785	99.783	-0.0019
37	50	Unbiased	99.787	99.786	-0.0011
39	50	Unbiased	99.787	99.786	-0.0013
40	50	Unbiased	99.787	99.787	-0.001
41	50	Unbiased	99.786	99.785	-0.0006
42	50	Unbiased	99.788	99.786	-0.0016
43	100	Biased	99.787	99.785	-0.0023
44	100	Biased	99.787	99.787	-0.0007
45	100	Biased	99.786	99.784	-0.0013
46	100	Biased	99.787	99.786	-0.0016
47	100	Biased	99.784	99.784	-0.0001
48	100	Unbiased	99.787	99.785	-0.0021
49	100	Unbiased	99.788	99.786	-0.0023
50	100	Unbiased	99.786	99.785	-0.0009
51	100	Unbiased	99.783	99.783	-0.0002
52	100	Unbiased	99.784	99.785	0.0005
53	0	Correlation	99.788	99.788	0.0004
54	0	Correlation	99.785	99.785	0.0007
55	0	Correlation	99.786	99.786	0.0004
56	0	Correlation	99.785	99.785	0.0002

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	99.786	99.788	0.0013745	99.785	99.786	99.788	0.0013229	0.0002	0.000425	0.0007	0.00020616
3	99.787	99.788	99.79	0.00077172	99.785	99.787	99.788	0.00083506	-0.0034	-0.00162	-0.0003	0.0010185
10	99.785	99.787	99.788	0.00091311	99.785	99.786	99.787	0.00079169	-0.0018	-0.00033	0.0015	0.00093814
30	99.786	99.787	99.788	0.00080554	99.785	99.786	99.787	0.0011157	-0.0018	-0.00086	0.0008	0.0007905
50	99.785	99.787	99.788	0.00096701	99.783	99.786	99.787	0.0010478	-0.002	-0.00115	-0.0003	0.00060964
100	99.783	99.786	99.788	0.0017017	99.783	99.785	99.787	0.0010709	-0.0023	-0.0011	0.0005	0.00098545

Device Test: 6.63; VOH_RESET_2MA





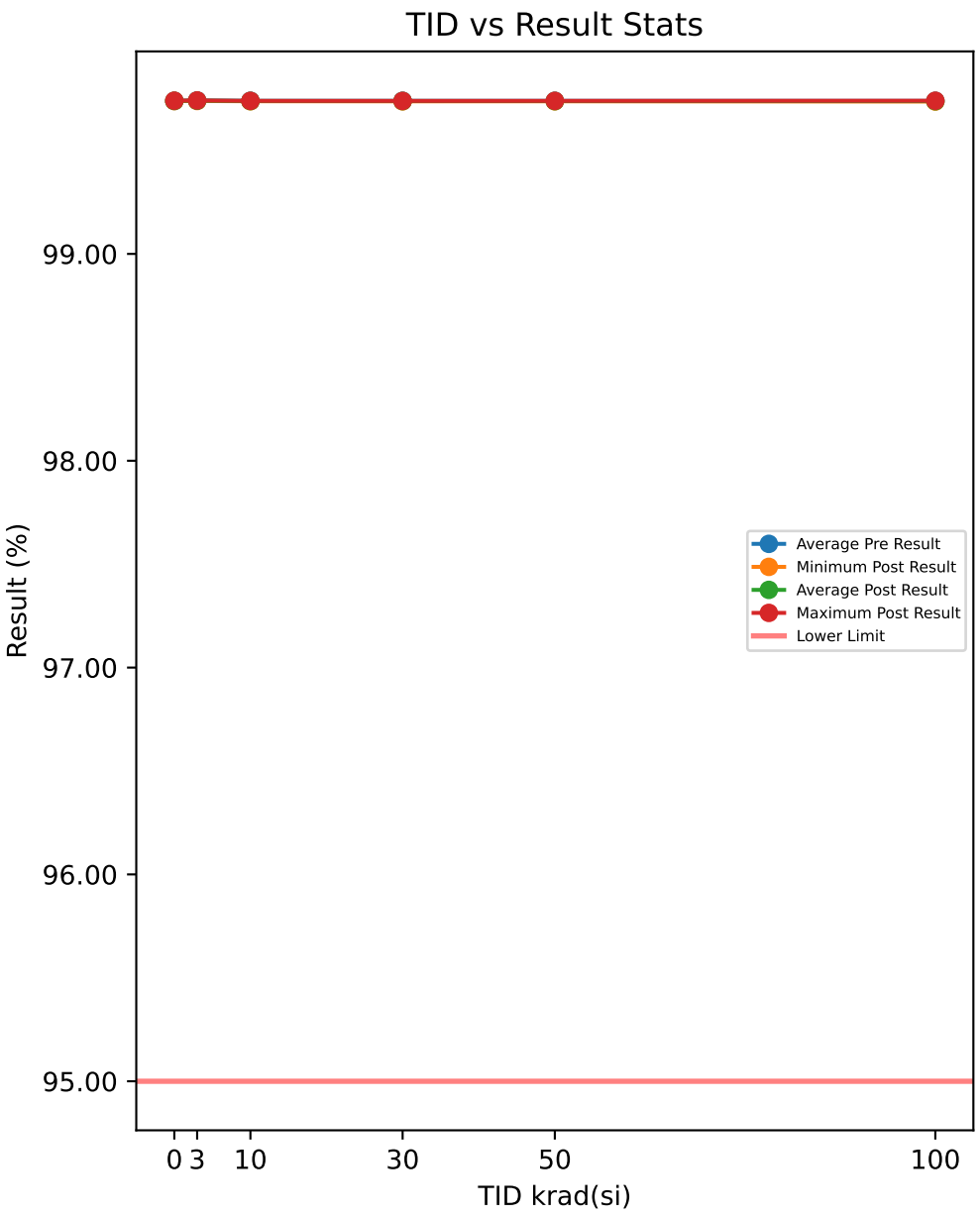
Test Results (Lower Limit = 95.0 (%))

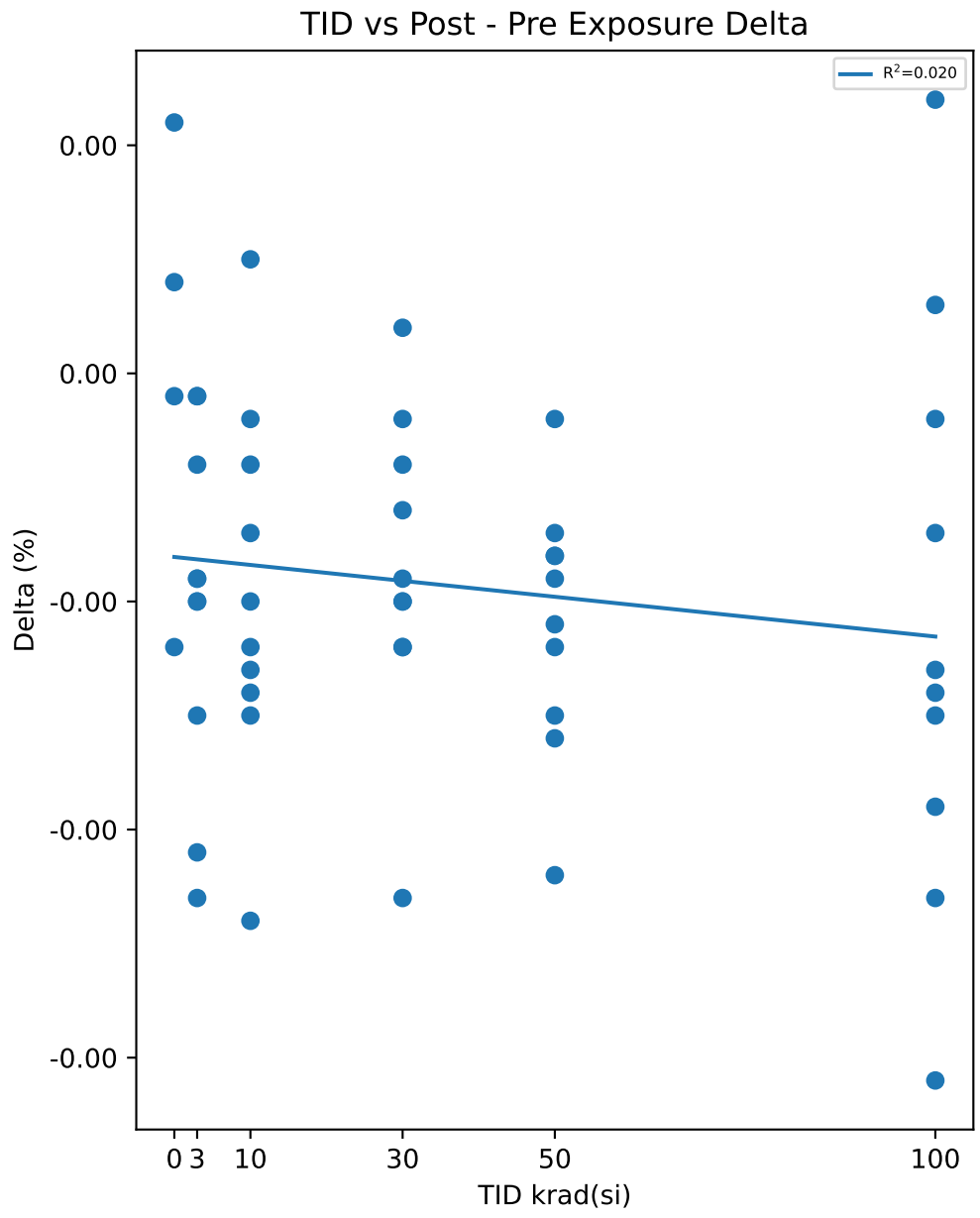
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	99.805	99.806	0.0008
3	3	Biased	99.802	99.803	0.0007
4	3	Biased	99.805	99.805	0.0008
5	3	Biased	99.804	99.805	0.0007
6	3	Biased	99.806	99.805	-0.0013
7	3	Unbiased	99.804	99.804	0.0001
8	3	Unbiased	99.804	99.805	0.0008
9	3	Unbiased	99.803	99.805	0.0019
10	3	Unbiased	99.805	99.805	0
11	3	Unbiased	99.804	99.806	0.002
12	10	Unbiased	99.802	99.803	0.0008
13	10	Unbiased	99.803	99.802	-0.001
14	10	Unbiased	99.802	99.804	0.0025
15	10	Unbiased	99.803	99.805	0.002
16	10	Unbiased	99.802	99.804	0.0018
17	10	Biased	99.803	99.805	0.0019
18	10	Biased	99.803	99.803	-0.0002
19	10	Biased	99.805	99.805	0.0006
20	10	Biased	99.803	99.805	0.0011
21	10	Biased	99.803	99.804	0.0016
22	30	Biased	99.802	99.805	0.0022
23	30	Biased	99.8	99.802	0.0022
24	30	Biased	99.802	99.804	0.0015
25	30	Biased	99.805	99.805	0.0009
26	30	Biased	99.803	99.805	0.002
27	30	Unbiased	99.804	99.804	-0.0002
28	30	Unbiased	99.804	99.804	0.0001
29	30	Unbiased	99.802	99.805	0.0027
30	30	Unbiased	99.803	99.805	0.0016
31	30	Unbiased	99.801	99.804	0.0024
32	50	Biased	99.805	99.805	0.0005
33	50	Biased	99.804	99.804	0.0005
34	50	Biased	99.802	99.802	0
35	50	Biased	99.804	99.803	-0.0011
36	50	Biased	99.802	99.803	0.0018
37	50	Unbiased	99.803	99.804	0.0013
39	50	Unbiased	99.805	99.805	0.0004
40	50	Unbiased	99.806	99.805	-0.0011
41	50	Unbiased	99.803	99.803	0.0005
42	50	Unbiased	99.803	99.805	0.0019
43	100	Biased	99.802	99.803	0.0006
44	100	Biased	99.803	99.804	0.0011
45	100	Biased	99.802	99.802	-0.0004
46	100	Biased	99.805	99.805	0.0002
47	100	Biased	99.801	99.801	0.0002
48	100	Unbiased	99.802	99.804	0.0012
49	100	Unbiased	99.802	99.804	0.0015
50	100	Unbiased	99.804	99.802	-0.0013
51	100	Unbiased	99.801	99.8	-0.001
52	100	Unbiased	99.803	99.803	0.0001
53	0	Correlation	99.805	99.806	0.0006
54	0	Correlation	99.803	99.803	0.0003
55	0	Correlation	99.803	99.803	0.0009
56	0	Correlation	99.802	99.803	0.0011

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	99.803	99.805	0.001607	99.803	99.804	99.806	0.0014989	0.0003	0.000725	0.0011	0.00035
3	99.802	99.804	99.806	0.00099532	99.803	99.805	99.806	0.00083805	-0.0013	0.00065	0.002	0.00094192
10	99.802	99.803	99.805	0.00089716	99.802	99.804	99.805	0.001048	-0.001	0.00111	0.0025	0.0010847
30	99.8	99.803	99.805	0.0013049	99.802	99.804	99.805	0.00089443	-0.0002	0.00154	0.0027	0.00098229
50	99.802	99.804	99.806	0.0011768	99.802	99.804	99.805	0.00095853	-0.0011	0.00047	0.0019	0.0010361
100	99.801	99.803	99.805	0.0011745	99.8	99.803	99.805	0.0015253	-0.0013	0.00022	0.0015	0.00092592

Device Test: 6.64; VOH_WDO_2MA





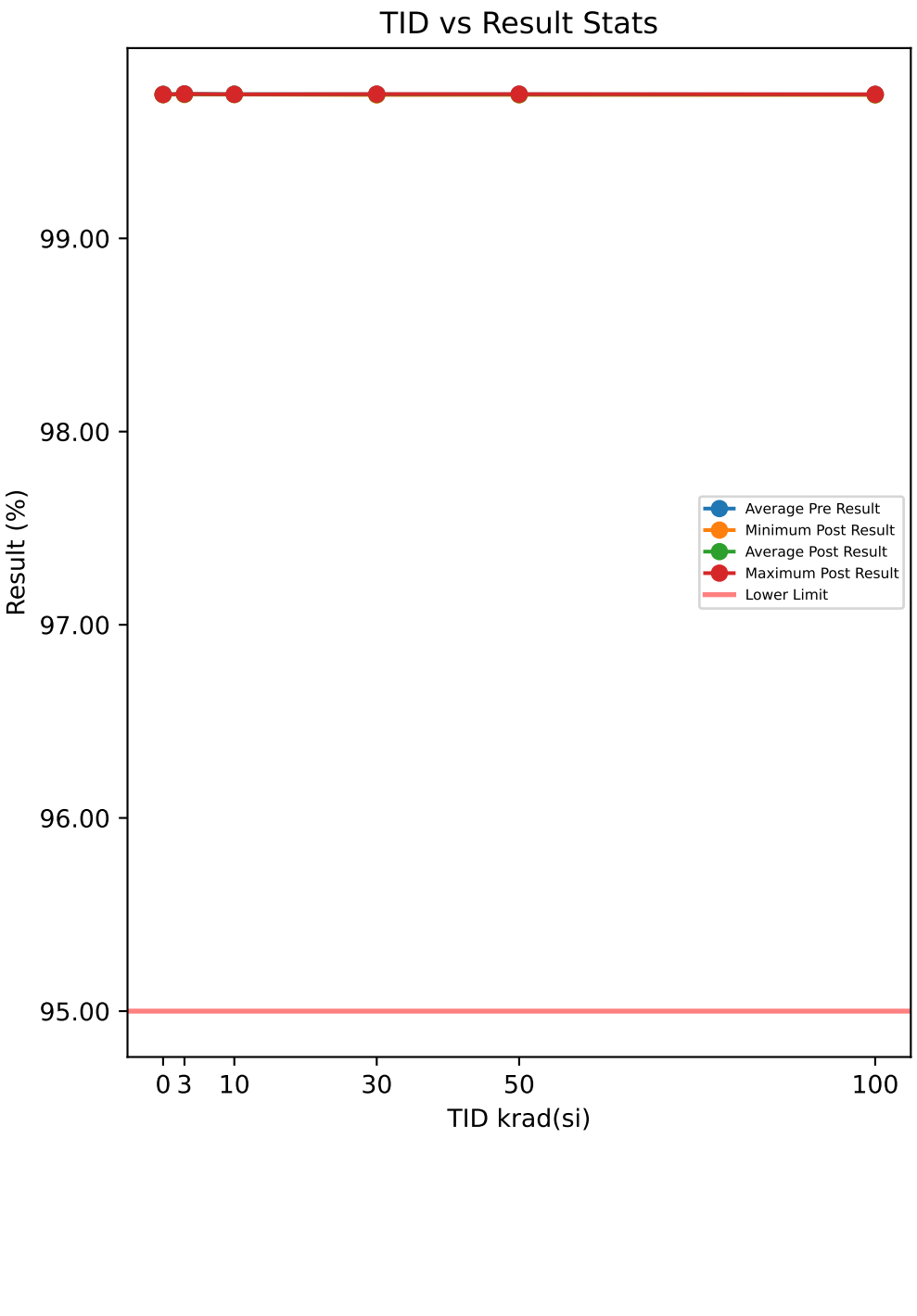
Test Results (Lower Limit = 95.0 (%))

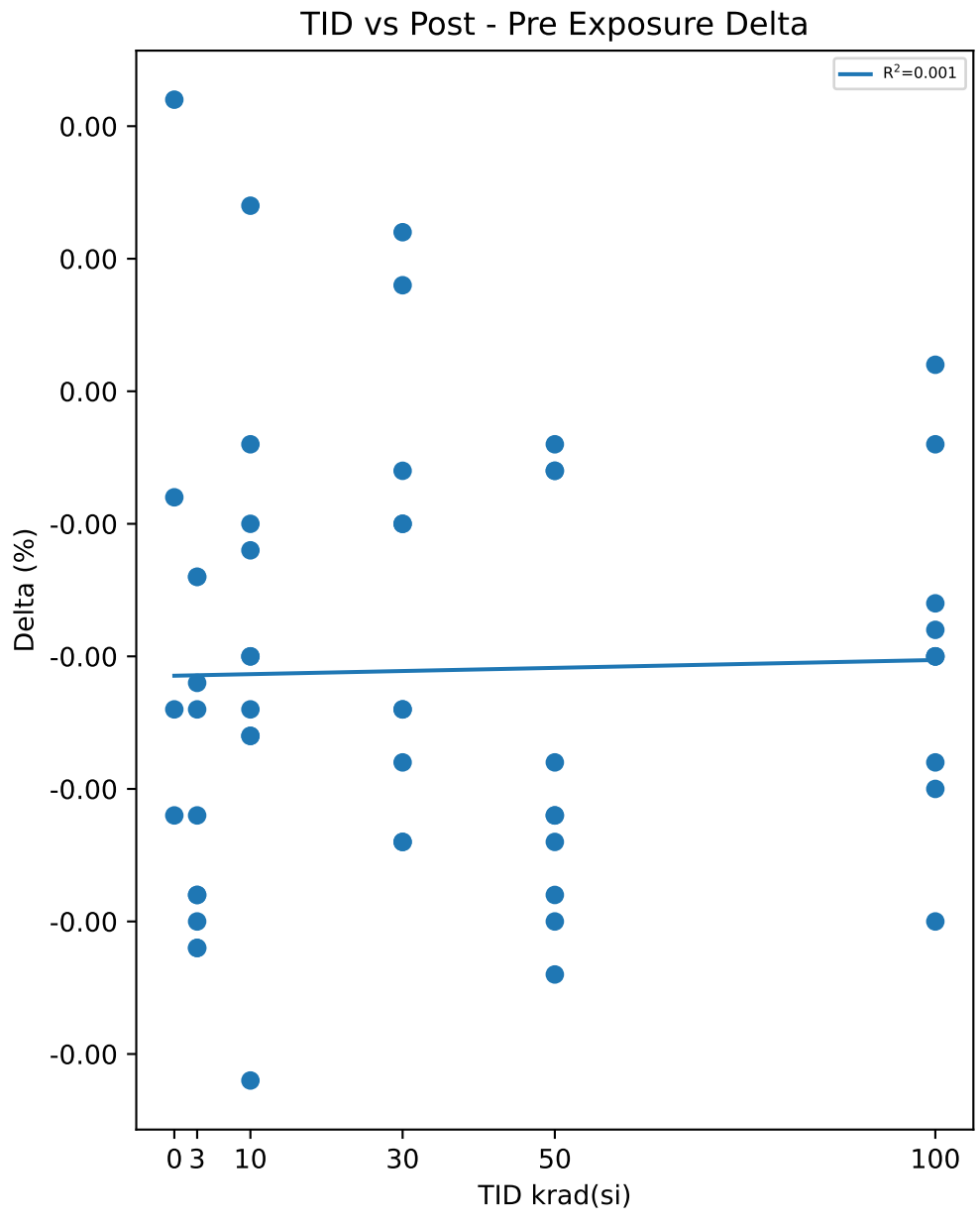
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	99.743	99.742	-0.001
3	3	Biased	99.74	99.739	-0.0009
4	3	Biased	99.743	99.741	-0.0021
5	3	Biased	99.742	99.739	-0.0023
6	3	Biased	99.742	99.742	-0.0004
7	3	Unbiased	99.741	99.741	-0.0001
8	3	Unbiased	99.74	99.74	-0.0001
9	3	Unbiased	99.742	99.741	-0.001
10	3	Unbiased	99.741	99.74	-0.0009
11	3	Unbiased	99.743	99.741	-0.0015
12	10	Unbiased	99.74	99.739	-0.0015
13	10	Unbiased	99.739	99.739	0.0005
14	10	Unbiased	99.741	99.738	-0.0024
15	10	Unbiased	99.741	99.74	-0.001
16	10	Unbiased	99.739	99.738	-0.0007
17	10	Biased	99.741	99.74	-0.0013
18	10	Biased	99.741	99.739	-0.0014
19	10	Biased	99.738	99.738	-0.0004
20	10	Biased	99.739	99.739	-0.0002
21	10	Biased	99.741	99.74	-0.0012
22	30	Biased	99.741	99.739	-0.0023
23	30	Biased	99.74	99.74	-0.0006
24	30	Biased	99.74	99.739	-0.0004
25	30	Biased	99.74	99.739	-0.001
26	30	Biased	99.74	99.74	-0.0002
27	30	Unbiased	99.739	99.739	0.0002
28	30	Unbiased	99.74	99.739	-0.0009
29	30	Unbiased	99.74	99.739	-0.0012
30	30	Unbiased	99.74	99.739	-0.0012
31	30	Unbiased	99.739	99.737	-0.001
32	50	Biased	99.74	99.739	-0.0007
33	50	Biased	99.741	99.74	-0.0012
34	50	Biased	99.739	99.738	-0.0011
35	50	Biased	99.74	99.739	-0.0016
36	50	Biased	99.739	99.738	-0.0008
37	50	Unbiased	99.741	99.739	-0.0015
39	50	Unbiased	99.74	99.739	-0.0009
40	50	Unbiased	99.74	99.74	-0.0008
41	50	Unbiased	99.739	99.739	-0.0002
42	50	Unbiased	99.74	99.738	-0.0022
43	100	Biased	99.74	99.738	-0.0023
44	100	Biased	99.742	99.741	-0.0013
45	100	Biased	99.739	99.738	-0.0002
46	100	Biased	99.742	99.738	-0.0031
47	100	Biased	99.738	99.737	-0.0015
48	100	Unbiased	99.74	99.74	0.0003
49	100	Unbiased	99.742	99.74	-0.0014
50	100	Unbiased	99.74	99.738	-0.0019
51	100	Unbiased	99.737	99.738	0.0012
52	100	Unbiased	99.738	99.737	-0.0007
53	0	Correlation	99.74	99.741	0.0011
54	0	Correlation	99.739	99.74	0.0004
55	0	Correlation	99.74	99.74	-0.0001
56	0	Correlation	99.74	99.739	-0.0012

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	99.739	99.74	99.74	0.0003304	99.739	99.74	99.741	0.00083016	-0.0012	5e-05	0.0011	0.00096782
3	99.74	99.742	99.743	0.0010328	99.739	99.741	99.742	0.00091536	-0.0023	-0.00103	-0.0001	0.00075579
10	99.738	99.74	99.741	0.0010867	99.738	99.739	99.74	0.00073068	-0.0024	-0.00096	0.0005	0.00080443
30	99.739	99.74	99.741	0.00075689	99.737	99.739	99.74	0.00062397	-0.0023	-0.00086	0.0002	0.00068183
50	99.739	99.74	99.741	0.00084387	99.738	99.739	99.74	0.00072641	-0.0022	-0.0011	-0.0002	0.00055976
100	99.737	99.74	99.742	0.0018178	99.737	99.739	99.741	0.0014096	-0.0031	-0.00109	0.0012	0.0012732

Device Test: 6.65; VOH_PWRGD_2MA





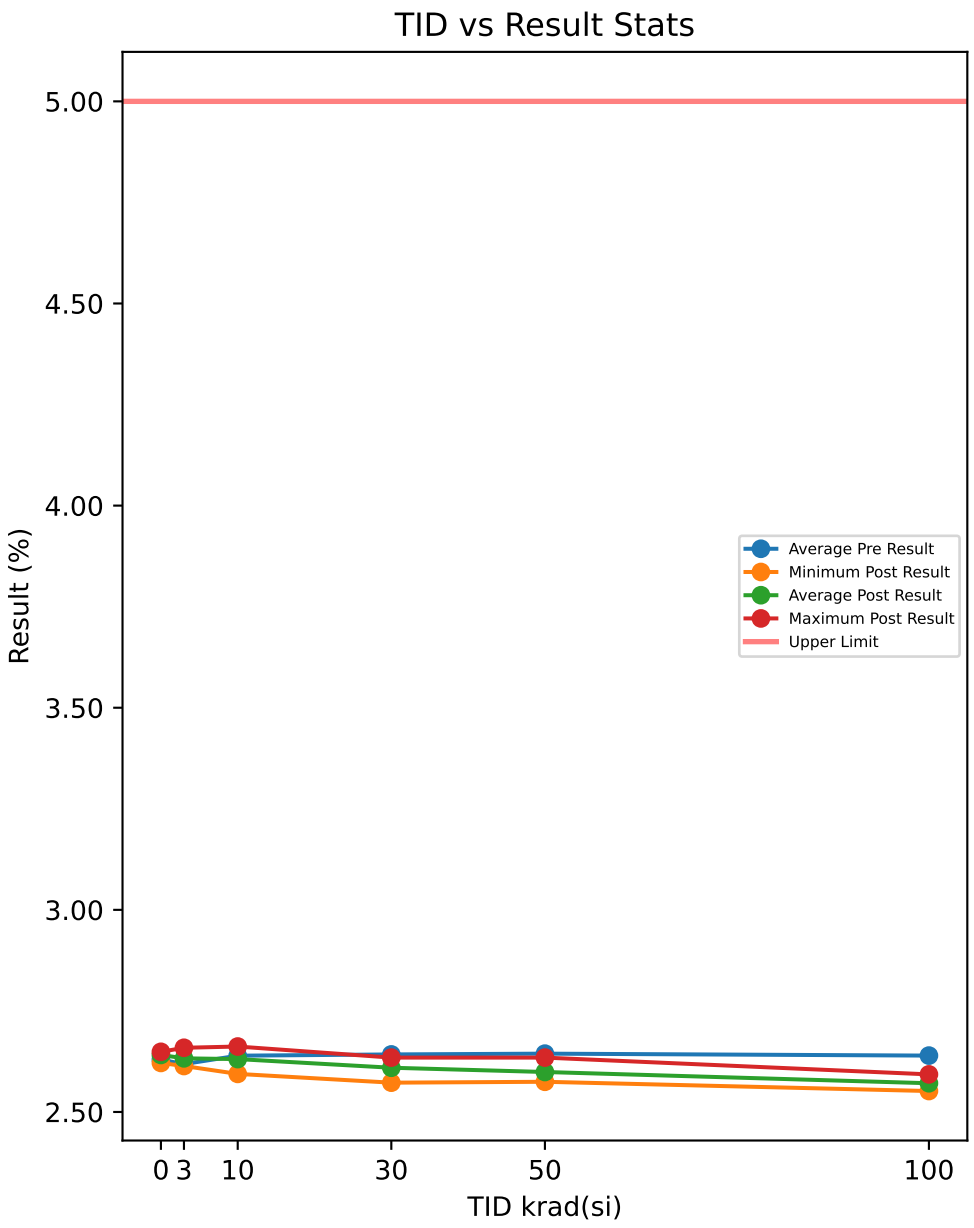
Test Results (Lower Limit = 95.0 (%))

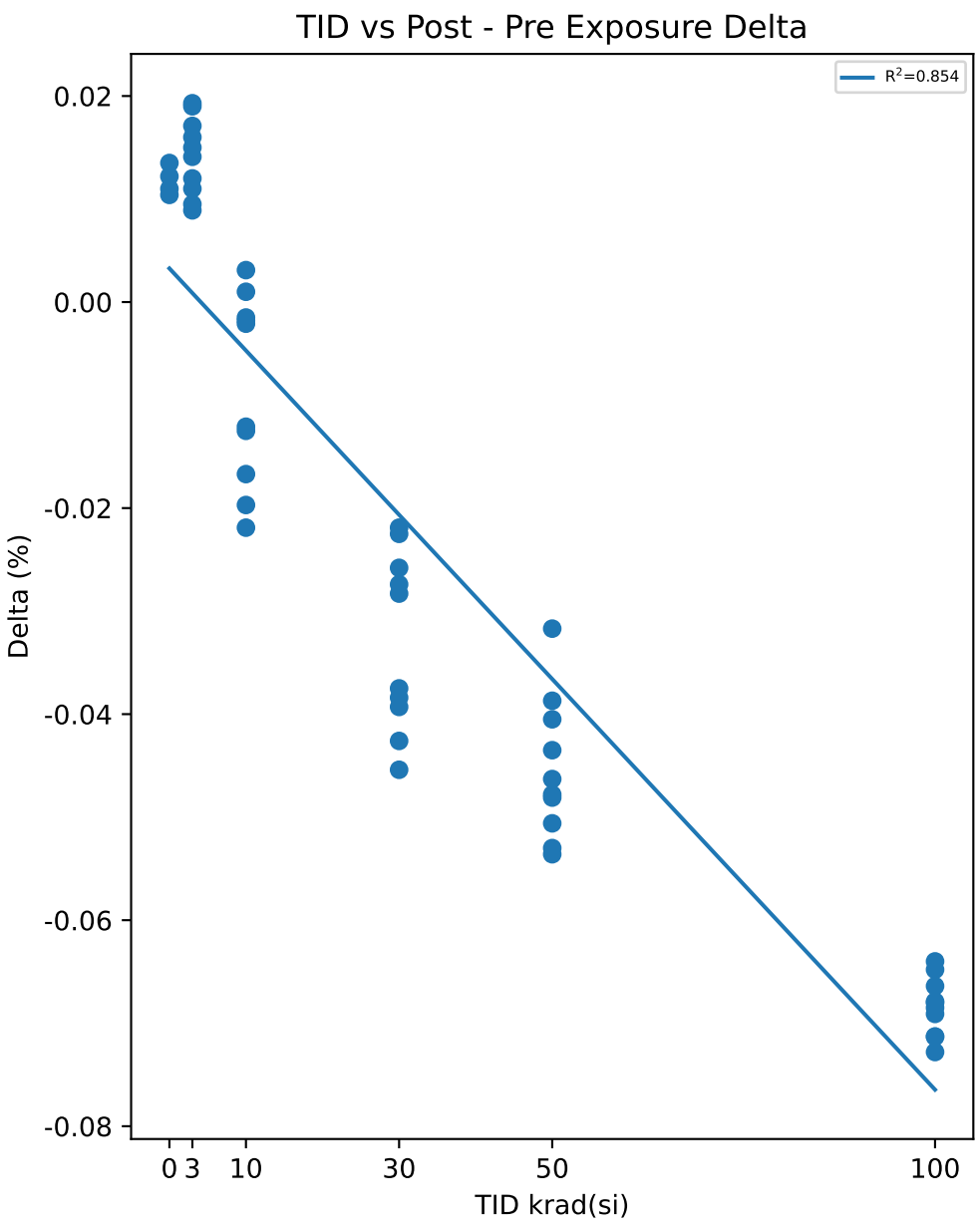
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	99.75	99.748	-0.0021
3	3	Biased	99.746	99.745	-0.0012
4	3	Biased	99.749	99.748	-0.0007
5	3	Biased	99.747	99.747	-0.0007
6	3	Biased	99.749	99.747	-0.0019
7	3	Unbiased	99.747	99.746	-0.0019
8	3	Unbiased	99.748	99.746	-0.002
9	3	Unbiased	99.748	99.746	-0.0021
10	3	Unbiased	99.747	99.746	-0.0011
11	3	Unbiased	99.747	99.746	-0.0016
12	10	Unbiased	99.747	99.745	-0.0013
13	10	Unbiased	99.746	99.746	-0.0006
14	10	Unbiased	99.745	99.746	0.0007
15	10	Unbiased	99.746	99.745	-0.0013
16	10	Unbiased	99.746	99.745	-0.001
17	10	Biased	99.747	99.745	-0.0026
18	10	Biased	99.746	99.745	-0.0002
19	10	Biased	99.746	99.745	-0.0005
20	10	Biased	99.746	99.745	-0.0012
21	10	Biased	99.746	99.746	-0.001
22	30	Biased	99.746	99.746	-0.0003
23	30	Biased	99.745	99.745	0.0004
24	30	Biased	99.746	99.744	-0.0017
25	30	Biased	99.748	99.747	-0.0012
26	30	Biased	99.748	99.746	-0.0017
27	30	Unbiased	99.746	99.745	-0.0005
28	30	Unbiased	99.746	99.744	-0.0014
29	30	Unbiased	99.745	99.745	0.0006
30	30	Unbiased	99.745	99.745	-0.0005
31	30	Unbiased	99.744	99.743	-0.0012
32	50	Biased	99.746	99.744	-0.0022
33	50	Biased	99.747	99.745	-0.0019
34	50	Biased	99.745	99.743	-0.0016
35	50	Biased	99.745	99.744	-0.0016
36	50	Biased	99.746	99.744	-0.0017
37	50	Unbiased	99.747	99.745	-0.002
39	50	Unbiased	99.747	99.747	-0.0002
40	50	Unbiased	99.746	99.745	-0.0014
41	50	Unbiased	99.745	99.745	-0.0003
42	50	Unbiased	99.745	99.745	-0.0003
43	100	Biased	99.745	99.743	-0.001
44	100	Biased	99.747	99.746	-0.0009
45	100	Biased	99.744	99.743	-0.0014
46	100	Biased	99.748	99.746	-0.002
47	100	Biased	99.744	99.743	-0.001
48	100	Unbiased	99.746	99.745	-0.0015
49	100	Unbiased	99.746	99.745	-0.001
50	100	Unbiased	99.746	99.745	-0.0008
51	100	Unbiased	99.743	99.743	-0.0002
52	100	Unbiased	99.744	99.745	0.0001
53	0	Correlation	99.746	99.745	-0.0012
54	0	Correlation	99.745	99.744	-0.0016
55	0	Correlation	99.746	99.745	-0.0004
56	0	Correlation	99.743	99.744	0.0011

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	99.743	99.745	99.746	0.0013342	99.744	99.745	99.745	0.00070887	-0.0016	-0.000525	0.0011	0.0011927
3	99.746	99.748	99.75	0.0010347	99.745	99.746	99.748	0.00096177	-0.0021	-0.00153	-0.0007	0.00055986
10	99.745	99.746	99.747	0.0006186	99.745	99.745	99.746	0.00038644	-0.0026	-0.0009	0.0007	0.00085765
30	99.744	99.746	99.748	0.001309	99.743	99.745	99.747	0.0012354	-0.0017	-0.00075	0.0006	0.00082361
50	99.745	99.746	99.747	0.00085739	99.743	99.745	99.747	0.00098905	-0.0022	-0.00132	-0.0002	0.00076129
100	99.743	99.745	99.748	0.0015392	99.743	99.744	99.746	0.0012411	-0.002	-0.00097	0.0001	0.00060562

Device Test: 6.66; VOL_RESET_2MA





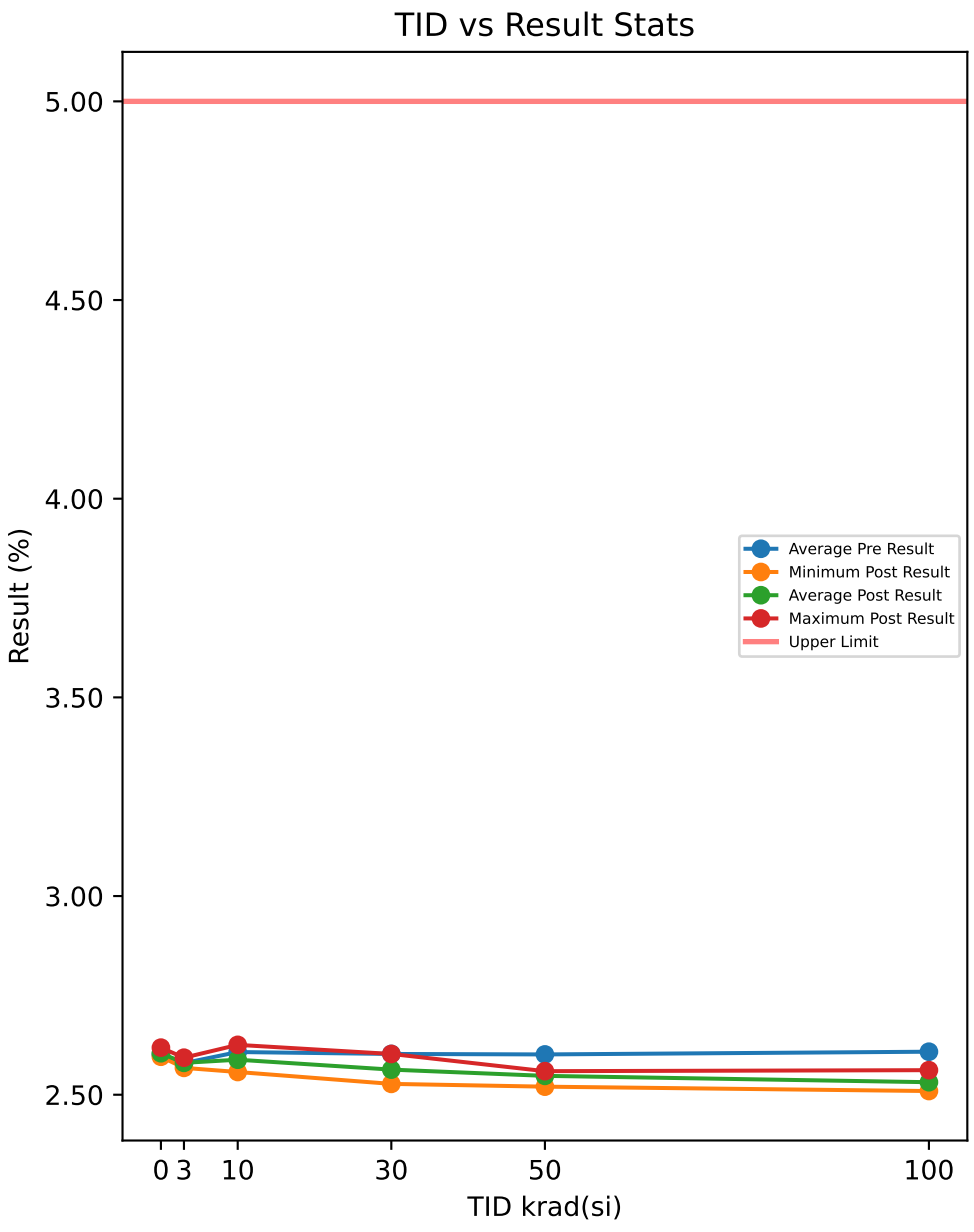
Test Results (Upper Limit = 5.0 (%))

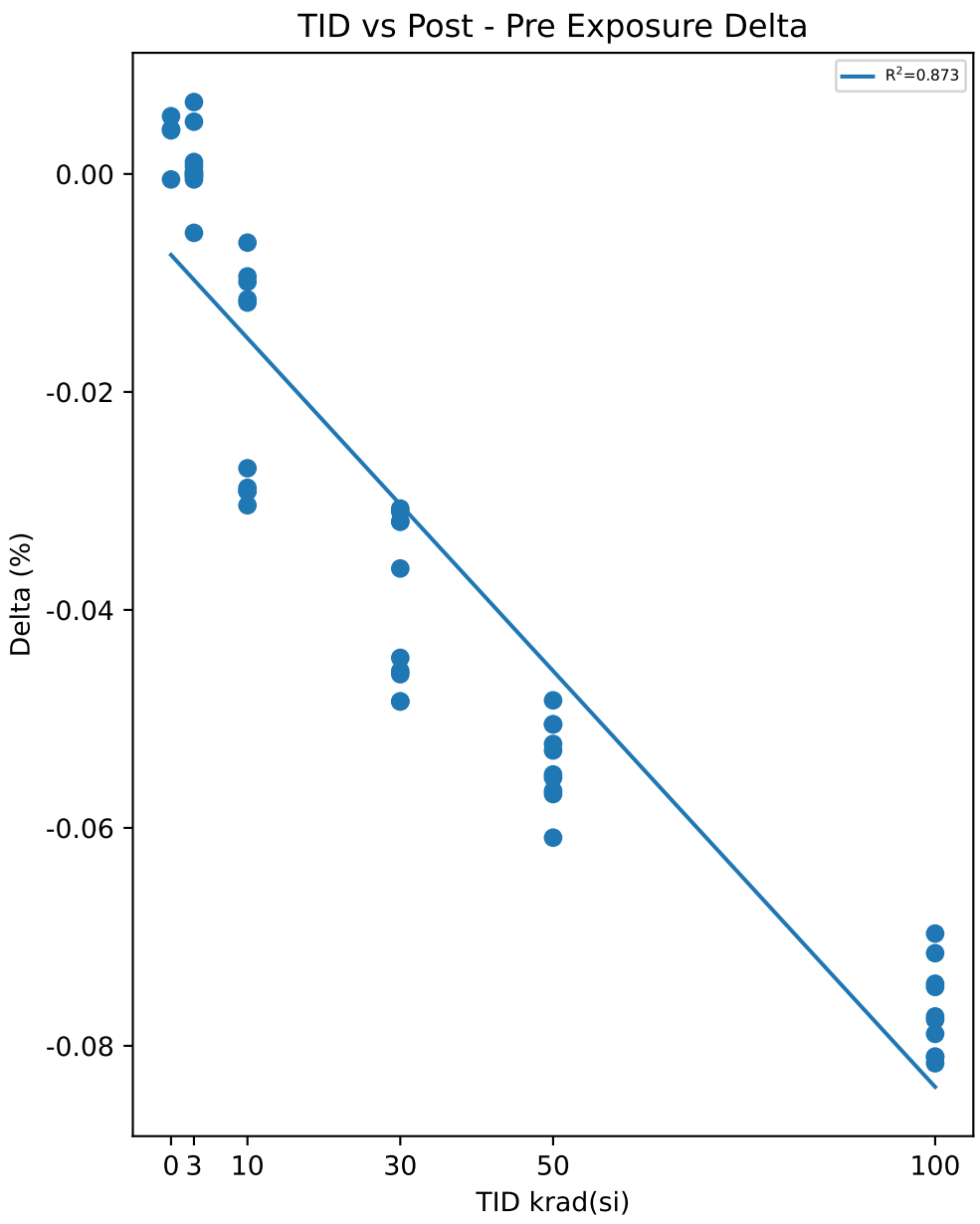
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.6182	2.6323	0.0141
3	3	Biased	2.614	2.625	0.011
4	3	Biased	2.6103	2.6223	0.012
5	3	Biased	2.6499	2.6588	0.0089
6	3	Biased	2.6042	2.6137	0.0095
7	3	Unbiased	2.6057	2.6247	0.019
8	3	Unbiased	2.624	2.6433	0.0193
9	3	Unbiased	2.6198	2.6348	0.015
10	3	Unbiased	2.6005	2.6165	0.016
11	3	Unbiased	2.6384	2.6555	0.0171
12	10	Unbiased	2.6609	2.6619	0.001
13	10	Unbiased	2.6411	2.6442	0.0031
14	10	Unbiased	2.6521	2.6503	-0.0018
15	10	Unbiased	2.6564	2.6543	-0.0021
16	10	Unbiased	2.6167	2.6152	-0.0015
17	10	Biased	2.6063	2.5942	-0.0121
18	10	Biased	2.6191	2.5994	-0.0197
19	10	Biased	2.6783	2.6616	-0.0167
20	10	Biased	2.6219	2.6	-0.0219
21	10	Biased	2.6396	2.6271	-0.0125
22	30	Biased	2.6463	2.6079	-0.0384
23	30	Biased	2.6445	2.6052	-0.0393
24	30	Biased	2.6609	2.6183	-0.0426
25	30	Biased	2.6179	2.5725	-0.0454
26	30	Biased	2.6286	2.5911	-0.0375
27	30	Unbiased	2.646	2.6241	-0.0219
28	30	Unbiased	2.6603	2.6345	-0.0258
29	30	Unbiased	2.6429	2.6146	-0.0283
30	30	Unbiased	2.6338	2.6064	-0.0274
31	30	Unbiased	2.6423	2.6198	-0.0225
32	50	Biased	2.6359	2.5881	-0.0478
33	50	Biased	2.6228	2.5747	-0.0481
34	50	Biased	2.6408	2.5872	-0.0536
35	50	Biased	2.6451	2.5921	-0.053
36	50	Biased	2.6786	2.628	-0.0506
37	50	Unbiased	2.6329	2.5942	-0.0387
39	50	Unbiased	2.6387	2.5924	-0.0463
40	50	Unbiased	2.624	2.5835	-0.0405
41	50	Unbiased	2.678	2.6345	-0.0435
42	50	Unbiased	2.646	2.6143	-0.0317
43	100	Biased	2.6198	2.5518	-0.068
44	100	Biased	2.6182	2.5518	-0.0664
45	100	Biased	2.6615	2.593	-0.0685
46	100	Biased	2.6307	2.5628	-0.0679
47	100	Biased	2.6408	2.568	-0.0728
48	100	Unbiased	2.6377	2.5729	-0.0648
49	100	Unbiased	2.646	2.5747	-0.0713
50	100	Unbiased	2.6396	2.5756	-0.064
51	100	Unbiased	2.6384	2.5671	-0.0713
52	100	Unbiased	2.6621	2.593	-0.0691
53	0	Correlation	2.6335	2.6457	0.0122
54	0	Correlation	2.635	2.6485	0.0135
55	0	Correlation	2.6103	2.6213	0.011
56	0	Correlation	2.6384	2.6488	0.0104

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	2.6103	2.6293	2.6384	0.012831	2.6213	2.6411	2.6488	0.013257	0.0104	0.011775	0.0135	0.001372
3	2.6005	2.6185	2.6499	0.015613	2.6137	2.6327	2.6588	0.015538	0.0089	0.01419	0.0193	0.0037507
10	2.6063	2.6392	2.6783	0.022992	2.5942	2.6308	2.6619	0.026996	-0.0219	-0.00842	0.0031	0.0091942
30	2.6179	2.6423	2.6609	0.013166	2.5725	2.6094	2.6345	0.017594	-0.0454	-0.03291	-0.0219	0.0086518
50	2.6228	2.6443	2.6786	0.019534	2.5747	2.5989	2.6345	0.019828	-0.0536	-0.04538	-0.0317	0.0068807
100	2.6182	2.6395	2.6621	0.014766	2.5518	2.5711	2.593	0.01428	-0.0728	-0.06841	-0.064	0.002856

Device Test: 6.67; VOL_RESET_2MA





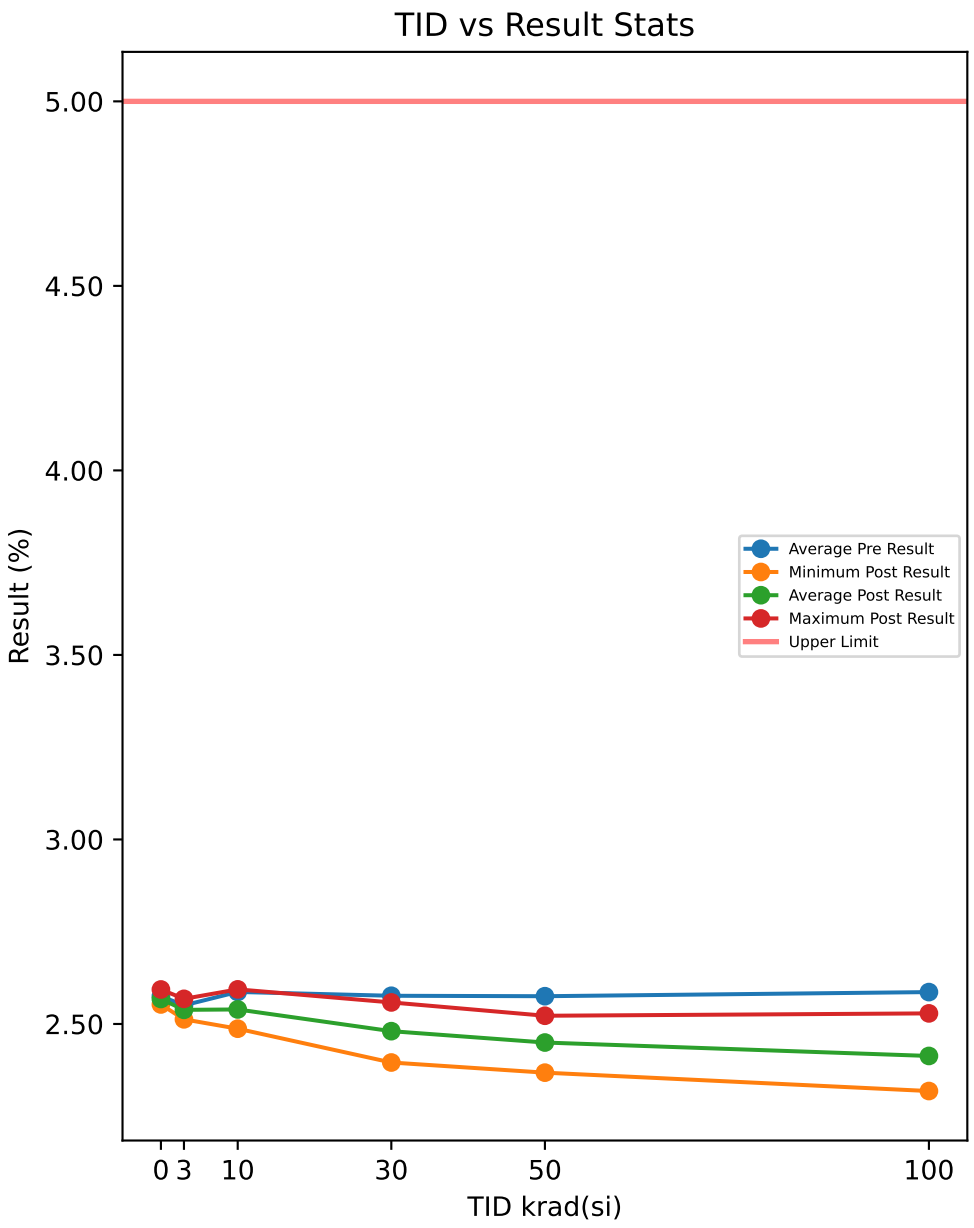
Test Results (Upper Limit = 5.0 (%))

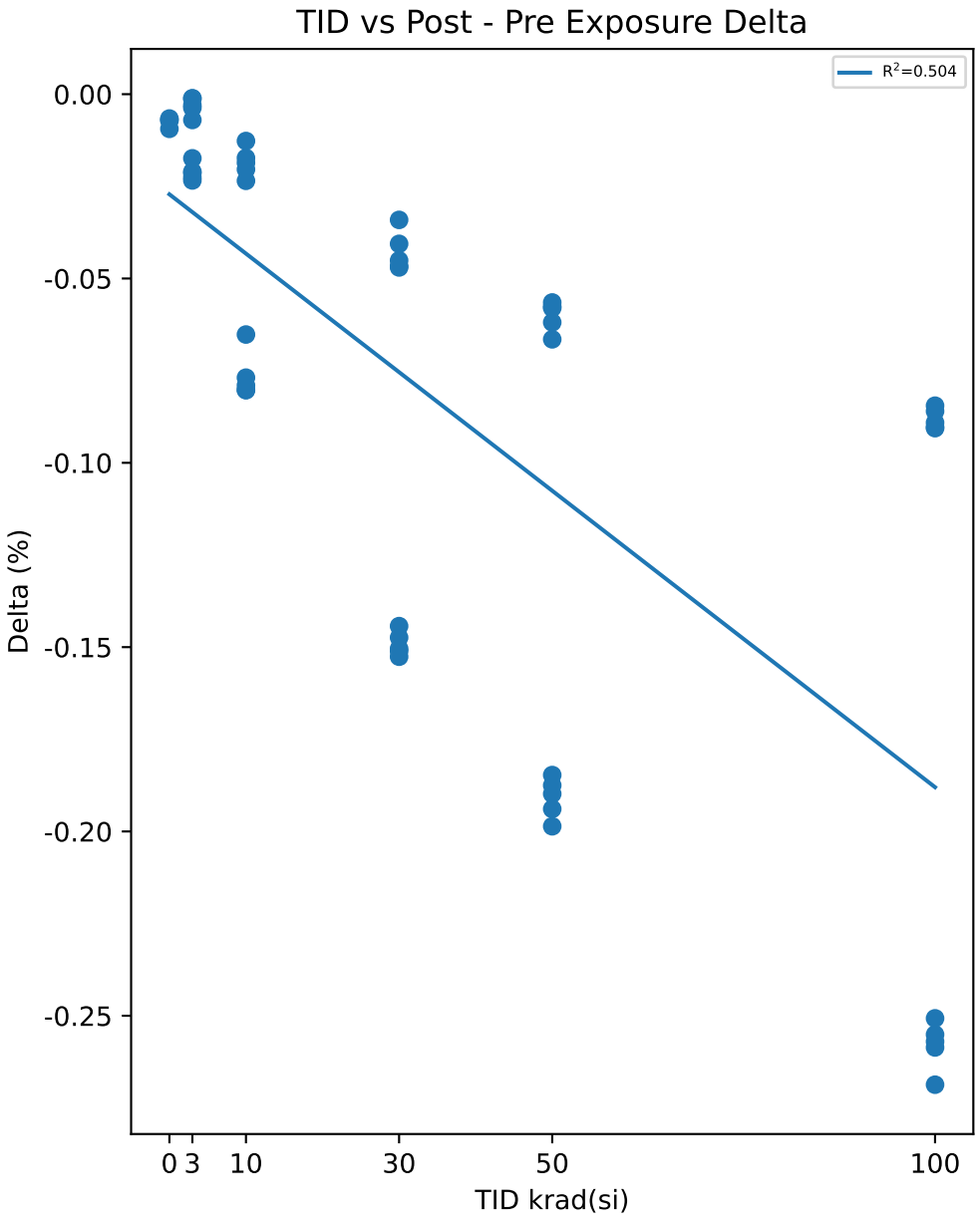
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.5668	2.5679	0.0011
3	3	Biased	2.5958	2.5904	-0.0054
4	3	Biased	2.5769	2.5767	-0.0002
5	3	Biased	2.5848	2.5849	0.0001
6	3	Biased	2.5811	2.5813	0.0002
7	3	Unbiased	2.5747	2.5813	0.0066
8	3	Unbiased	2.5628	2.5676	0.0048
9	3	Unbiased	2.5775	2.5782	0.0007
10	3	Unbiased	2.5815	2.581	-0.0005
11	3	Unbiased	2.5933	2.5932	-0.0001
12	10	Unbiased	2.6013	2.5895	-0.0118
13	10	Unbiased	2.6104	2.6041	-0.0063
14	10	Unbiased	2.6077	2.5983	-0.0094
15	10	Unbiased	2.5915	2.5816	-0.0099
16	10	Unbiased	2.6089	2.5974	-0.0115
17	10	Biased	2.5985	2.5694	-0.0291
18	10	Biased	2.6156	2.5865	-0.0291
19	10	Biased	2.6525	2.6255	-0.027
20	10	Biased	2.586	2.5572	-0.0288
21	10	Biased	2.6022	2.5718	-0.0304
22	30	Biased	2.6135	2.5651	-0.0484
23	30	Biased	2.6077	2.5633	-0.0444
24	30	Biased	2.6052	2.5593	-0.0459
25	30	Biased	2.5757	2.5273	-0.0484
26	30	Biased	2.5921	2.5465	-0.0456
27	30	Unbiased	2.6031	2.5721	-0.031
28	30	Unbiased	2.6004	2.5685	-0.0319
29	30	Unbiased	2.5946	2.5627	-0.0319
30	30	Unbiased	2.5952	2.5645	-0.0307
31	30	Unbiased	2.6388	2.6026	-0.0362
32	50	Biased	2.6016	2.5462	-0.0554
33	50	Biased	2.5754	2.5203	-0.0551
34	50	Biased	2.597	2.5401	-0.0569
35	50	Biased	2.6156	2.5547	-0.0609
36	50	Biased	2.6159	2.5593	-0.0566
37	50	Unbiased	2.5933	2.545	-0.0483
39	50	Unbiased	2.6065	2.556	-0.0505
40	50	Unbiased	2.6092	2.5569	-0.0523
41	50	Unbiased	2.6019	2.549	-0.0529
42	50	Unbiased	2.5979	2.5474	-0.0505
43	100	Biased	2.6254	2.5444	-0.081
44	100	Biased	2.5924	2.5108	-0.0816
45	100	Biased	2.6113	2.5337	-0.0776
46	100	Biased	2.6138	2.5349	-0.0789
47	100	Biased	2.6181	2.5435	-0.0746
48	100	Unbiased	2.5863	2.5148	-0.0715
49	100	Unbiased	2.5836	2.5093	-0.0743
50	100	Unbiased	2.5991	2.5218	-0.0773
51	100	Unbiased	2.6428	2.5618	-0.081
52	100	Unbiased	2.6098	2.5401	-0.0697
53	0	Correlation	2.5937	2.5977	0.004
54	0	Correlation	2.6019	2.606	0.0041
55	0	Correlation	2.5961	2.5956	-0.0005
56	0	Correlation	2.6132	2.6185	0.0053

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	2.5937	2.6012	2.6132	0.0086938	2.5956	2.6044	2.6185	0.010387	-0.0005	0.003225	0.0053	0.0025526
3	2.5628	2.5795	2.5958	0.010354	2.5676	2.5803	2.5932	0.0083298	-0.0054	0.00073	0.0066	0.0032056
10	2.586	2.6075	2.6525	0.018156	2.5572	2.5881	2.6255	0.019614	-0.0304	-0.01933	-0.0063	0.010205
30	2.5757	2.6026	2.6388	0.016397	2.5273	2.5632	2.6026	0.018997	-0.0484	-0.03944	-0.0307	0.007722
50	2.5754	2.6014	2.6159	0.011889	2.5203	2.5475	2.5593	0.011336	-0.0609	-0.05394	-0.0483	0.0037565
100	2.5836	2.6083	2.6428	0.018414	2.5093	2.5315	2.5618	0.01704	-0.0816	-0.07675	-0.0697	0.0041256

Device Test: 6.68; VOL_RESET_2MA





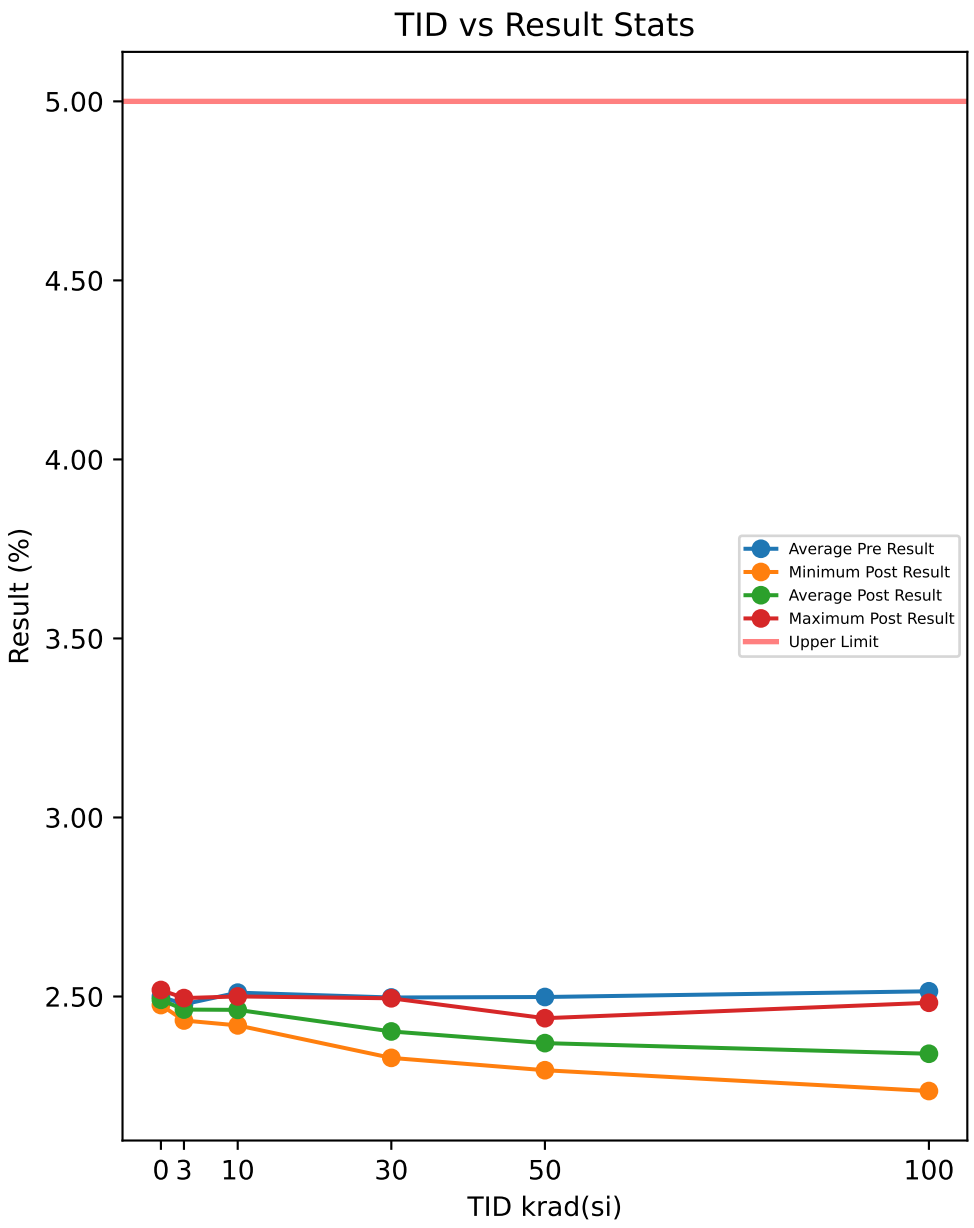
Test Results (Upper Limit = 5.0 (%))

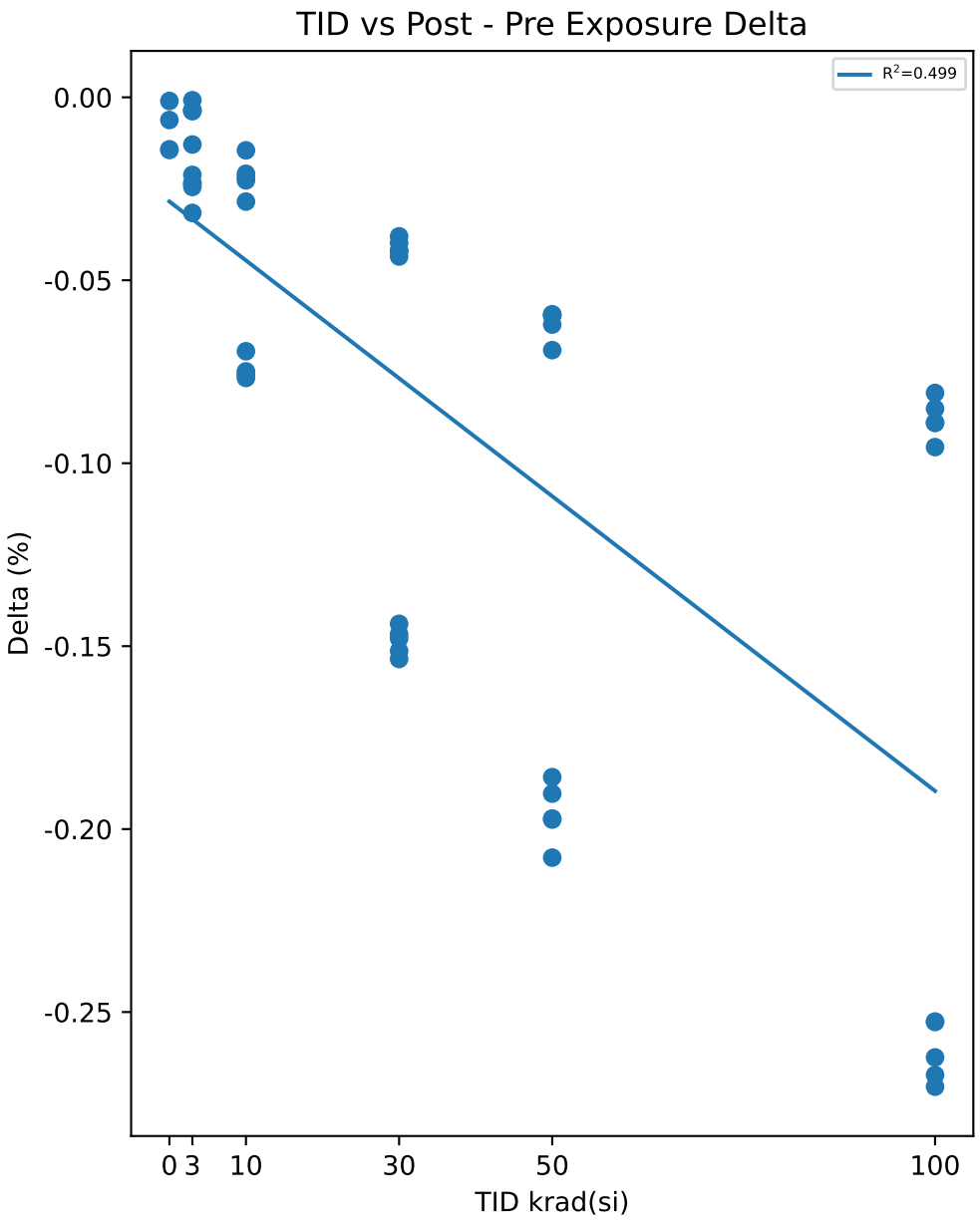
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.5336	2.5126	-0.021
3	3	Biased	2.5678	2.5452	-0.0226
4	3	Biased	2.537	2.5156	-0.0214
5	3	Biased	2.5723	2.5489	-0.0234
6	3	Biased	2.5342	2.5168	-0.0174
7	3	Unbiased	2.5339	2.5269	-0.007
8	3	Unbiased	2.5467	2.5455	-0.0012
9	3	Unbiased	2.5711	2.5681	-0.003
10	3	Unbiased	2.5422	2.5385	-0.0037
11	3	Unbiased	2.5659	2.5648	-0.0011
12	10	Unbiased	2.5916	2.5712	-0.0204
13	10	Unbiased	2.6065	2.5938	-0.0127
14	10	Unbiased	2.5745	2.551	-0.0235
15	10	Unbiased	2.576	2.5587	-0.0173
16	10	Unbiased	2.5861	2.5675	-0.0186
17	10	Biased	2.5845	2.5043	-0.0802
18	10	Biased	2.5845	2.5055	-0.079
19	10	Biased	2.6172	2.552	-0.0652
20	10	Biased	2.5675	2.4872	-0.0803
21	10	Biased	2.5794	2.5025	-0.0769
22	30	Biased	2.5891	2.4387	-0.1504
23	30	Biased	2.5903	2.4429	-0.1474
24	30	Biased	2.5784	2.4258	-0.1526
25	30	Biased	2.5467	2.3956	-0.1511
26	30	Biased	2.5717	2.4274	-0.1443
27	30	Unbiased	2.573	2.5324	-0.0406
28	30	Unbiased	2.5632	2.5291	-0.0341
29	30	Unbiased	2.5611	2.5141	-0.047
30	30	Unbiased	2.5858	2.5407	-0.0451
31	30	Unbiased	2.605	2.5584	-0.0466
32	50	Biased	2.5736	2.3861	-0.1875
33	50	Biased	2.5528	2.3681	-0.1847
34	50	Biased	2.5687	2.3748	-0.1939
35	50	Biased	2.6028	2.4042	-0.1986
36	50	Biased	2.5894	2.3996	-0.1898
37	50	Unbiased	2.5623	2.5058	-0.0565
39	50	Unbiased	2.5711	2.5135	-0.0576
40	50	Unbiased	2.5842	2.5223	-0.0619
41	50	Unbiased	2.5803	2.5138	-0.0665
42	50	Unbiased	2.5672	2.5092	-0.058
43	100	Biased	2.6144	2.3593	-0.2551
44	100	Biased	2.587	2.3183	-0.2687
45	100	Biased	2.5855	2.3269	-0.2586
46	100	Biased	2.5919	2.3412	-0.2507
47	100	Biased	2.5842	2.3272	-0.257
48	100	Unbiased	2.5626	2.4735	-0.0891
49	100	Unbiased	2.5717	2.4811	-0.0906
50	100	Unbiased	2.5647	2.4802	-0.0845
51	100	Unbiased	2.619	2.5287	-0.0903
52	100	Unbiased	2.583	2.497	-0.086
53	0	Correlation	2.5595	2.5529	-0.0066
54	0	Correlation	2.5778	2.5706	-0.0072
55	0	Correlation	2.5635	2.5541	-0.0094
56	0	Correlation	2.6004	2.5935	-0.0069

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	2.5595	2.5753	2.6004	0.018485	2.5529	2.5678	2.5935	0.018956	-0.0094	-0.007525	-0.0066	0.0012738
3	2.5336	2.5505	2.5723	0.016761	2.5126	2.5383	2.5681	0.019917	-0.0234	-0.01218	-0.0011	0.0097231
10	2.5675	2.5868	2.6172	0.015061	2.4872	2.5394	2.5938	0.036353	-0.0803	-0.04741	-0.0127	0.030883
30	2.5467	2.5764	2.605	0.01696	2.3956	2.4805	2.5584	0.059682	-0.1526	-0.09592	-0.0341	0.05628
50	2.5528	2.5752	2.6028	0.014392	2.3681	2.4497	2.5223	0.067521	-0.1986	-0.1255	-0.0565	0.069088
100	2.5626	2.5864	2.619	0.018702	2.3183	2.4133	2.5287	0.085008	-0.2687	-0.17306	-0.0845	0.089684

Device Test: 6.69; VOL_RESET_2MA





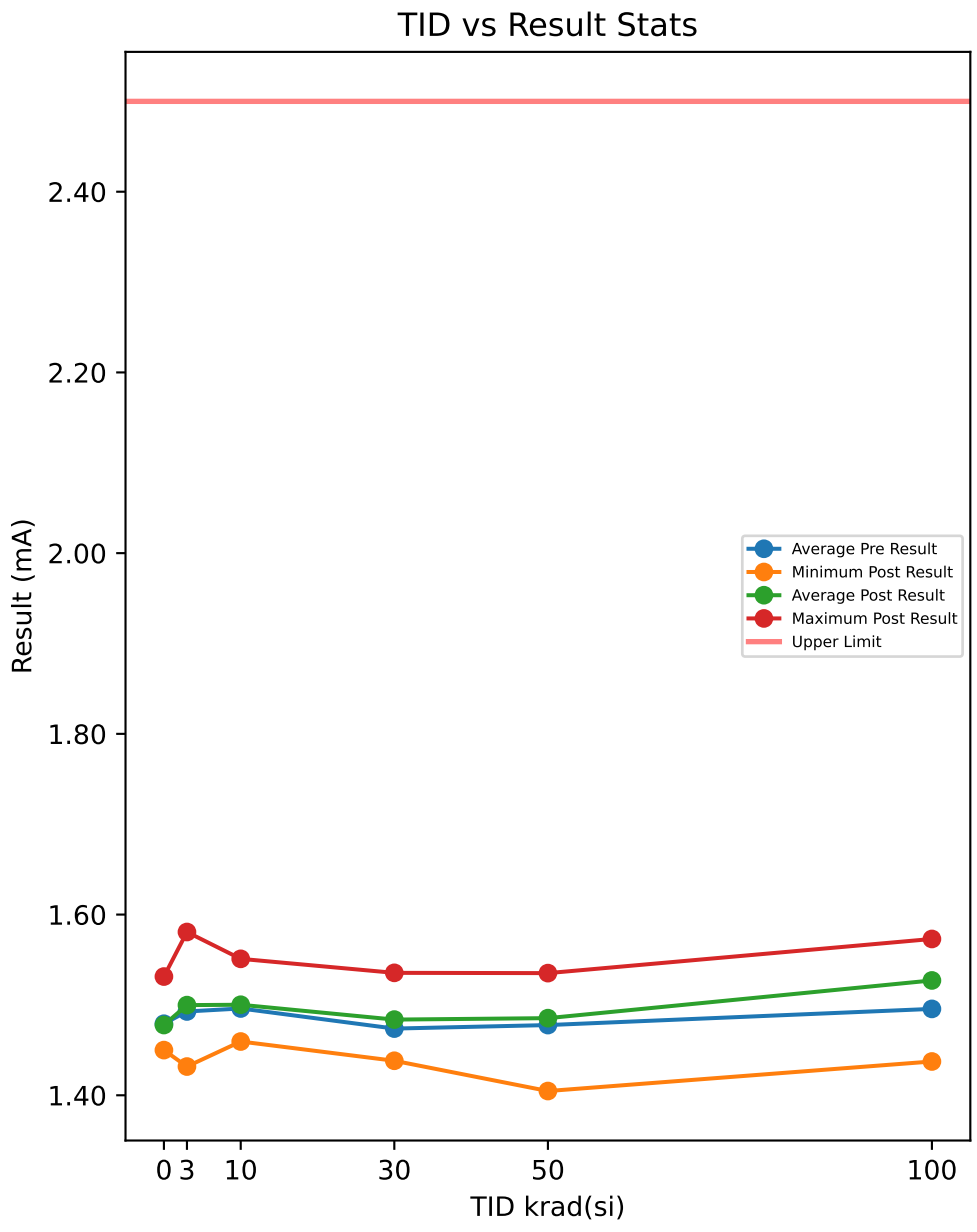
Test Results (Upper Limit = 5.0 (%))

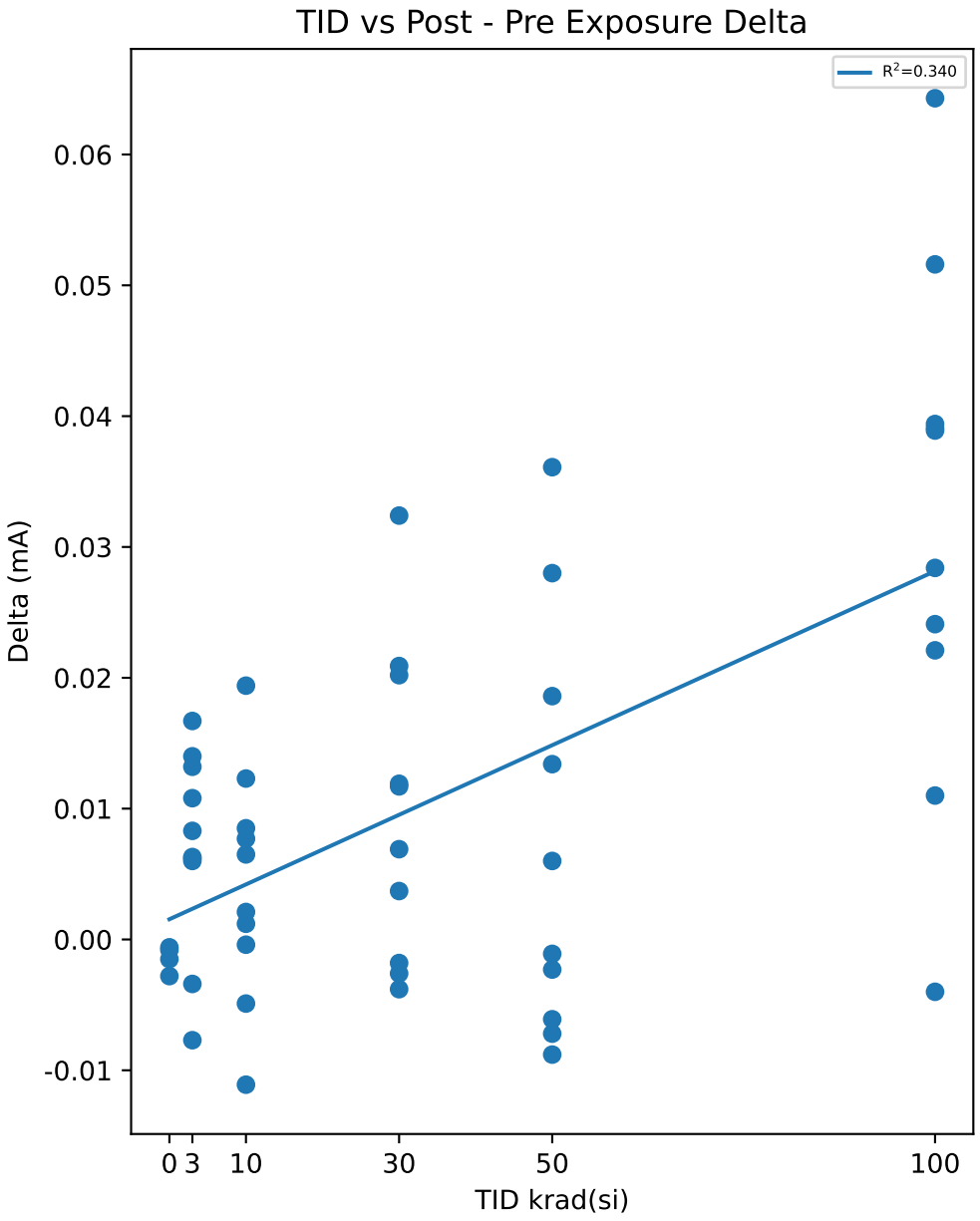
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.4698	2.4462	-0.0236
3	3	Biased	2.4997	2.4785	-0.0212
4	3	Biased	2.4628	2.4394	-0.0234
5	3	Biased	2.4991	2.4746	-0.0245
6	3	Biased	2.4646	2.433	-0.0316
7	3	Unbiased	2.4533	2.4498	-0.0035
8	3	Unbiased	2.4628	2.462	-0.0008
9	3	Unbiased	2.5018	2.4889	-0.0129
10	3	Unbiased	2.471	2.4672	-0.0038
11	3	Unbiased	2.4991	2.4956	-0.0035
12	10	Unbiased	2.5104	2.4886	-0.0218
13	10	Unbiased	2.5098	2.4953	-0.0145
14	10	Unbiased	2.4988	2.4779	-0.0209
15	10	Unbiased	2.4899	2.4672	-0.0227
16	10	Unbiased	2.5287	2.5002	-0.0285
17	10	Biased	2.518	2.4486	-0.0694
18	10	Biased	2.5125	2.437	-0.0755
19	10	Biased	2.5397	2.4636	-0.0761
20	10	Biased	2.4942	2.4193	-0.0749
21	10	Biased	2.5058	2.4291	-0.0767
22	30	Biased	2.5012	2.3545	-0.1467
23	30	Biased	2.5061	2.3622	-0.1439
24	30	Biased	2.4982	2.3503	-0.1479
25	30	Biased	2.4799	2.3286	-0.1513
26	30	Biased	2.4909	2.3374	-0.1535
27	30	Unbiased	2.4988	2.4569	-0.0419
28	30	Unbiased	2.4964	2.4584	-0.038
29	30	Unbiased	2.4793	2.4358	-0.0435
30	30	Unbiased	2.4869	2.4449	-0.042
31	30	Unbiased	2.5348	2.495	-0.0398
32	50	Biased	2.5018	2.3115	-0.1903
33	50	Biased	2.4802	2.2944	-0.1858
34	50	Biased	2.4915	2.2941	-0.1974
35	50	Biased	2.5281	2.3203	-0.2078
36	50	Biased	2.5159	2.3188	-0.1971
37	50	Unbiased	2.4805	2.4184	-0.0621
39	50	Unbiased	2.4991	2.4394	-0.0597
40	50	Unbiased	2.4945	2.4352	-0.0593
41	50	Unbiased	2.5024	2.4333	-0.0691
42	50	Unbiased	2.4921	2.4327	-0.0594
43	100	Biased	2.5445	2.2773	-0.2672
44	100	Biased	2.5064	2.236	-0.2704
45	100	Biased	2.5024	2.2498	-0.2526
46	100	Biased	2.5052	2.2525	-0.2527
47	100	Biased	2.5317	2.2693	-0.2624
48	100	Unbiased	2.479	2.3939	-0.0851
49	100	Unbiased	2.5046	2.4156	-0.089
50	100	Unbiased	2.4866	2.4058	-0.0808
51	100	Unbiased	2.5781	2.4825	-0.0956
52	100	Unbiased	2.5076	2.4187	-0.0889
53	0	Correlation	2.4903	2.4761	-0.0142
54	0	Correlation	2.4939	2.4877	-0.0062
55	0	Correlation	2.482	2.481	-0.001
56	0	Correlation	2.5326	2.5182	-0.0144

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	2.482	2.4997	2.5326	0.022492	2.4761	2.4908	2.5182	0.018908	-0.0144	-0.00895	-0.001	0.0065327
3	2.4533	2.4784	2.5018	0.019131	2.433	2.4635	2.4956	0.021181	-0.0316	-0.01488	-0.0008	0.011277
10	2.4899	2.5108	2.5397	0.015249	2.4193	2.4627	2.5002	0.028409	-0.0767	-0.0481	-0.0145	0.028116
30	2.4793	2.4973	2.5348	0.015912	2.3286	2.4024	2.495	0.061372	-0.1535	-0.09485	-0.038	0.056795
50	2.4802	2.4986	2.5281	0.014795	2.2941	2.3698	2.4394	0.066112	-0.2078	-0.1288	-0.0593	0.070772
100	2.479	2.5146	2.5781	0.029294	2.236	2.3401	2.4825	0.09128	-0.2704	-0.17447	-0.0808	0.09151

Device Test: 6.7; IQ





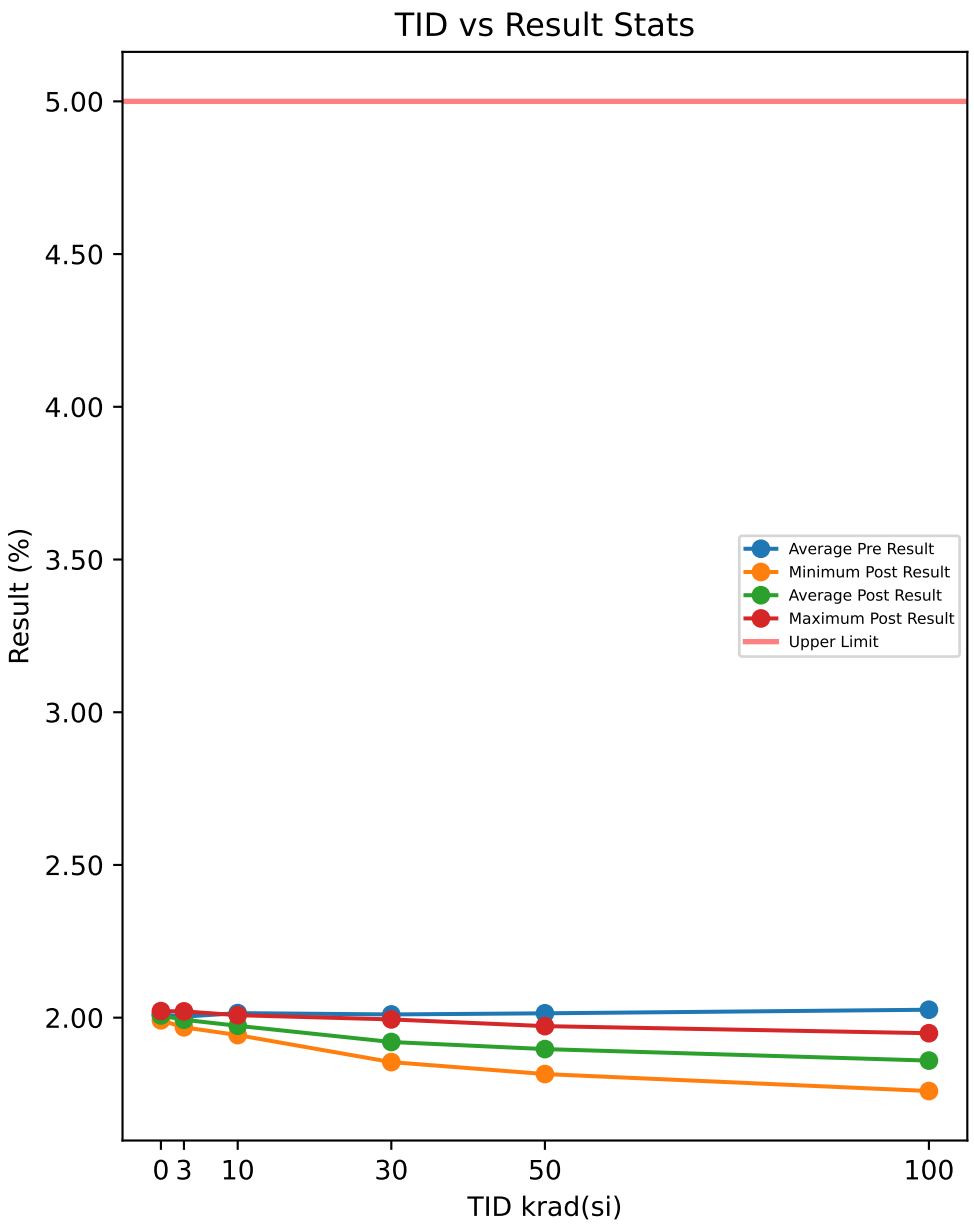
Test Results (Upper Limit = 2.5 (mA))

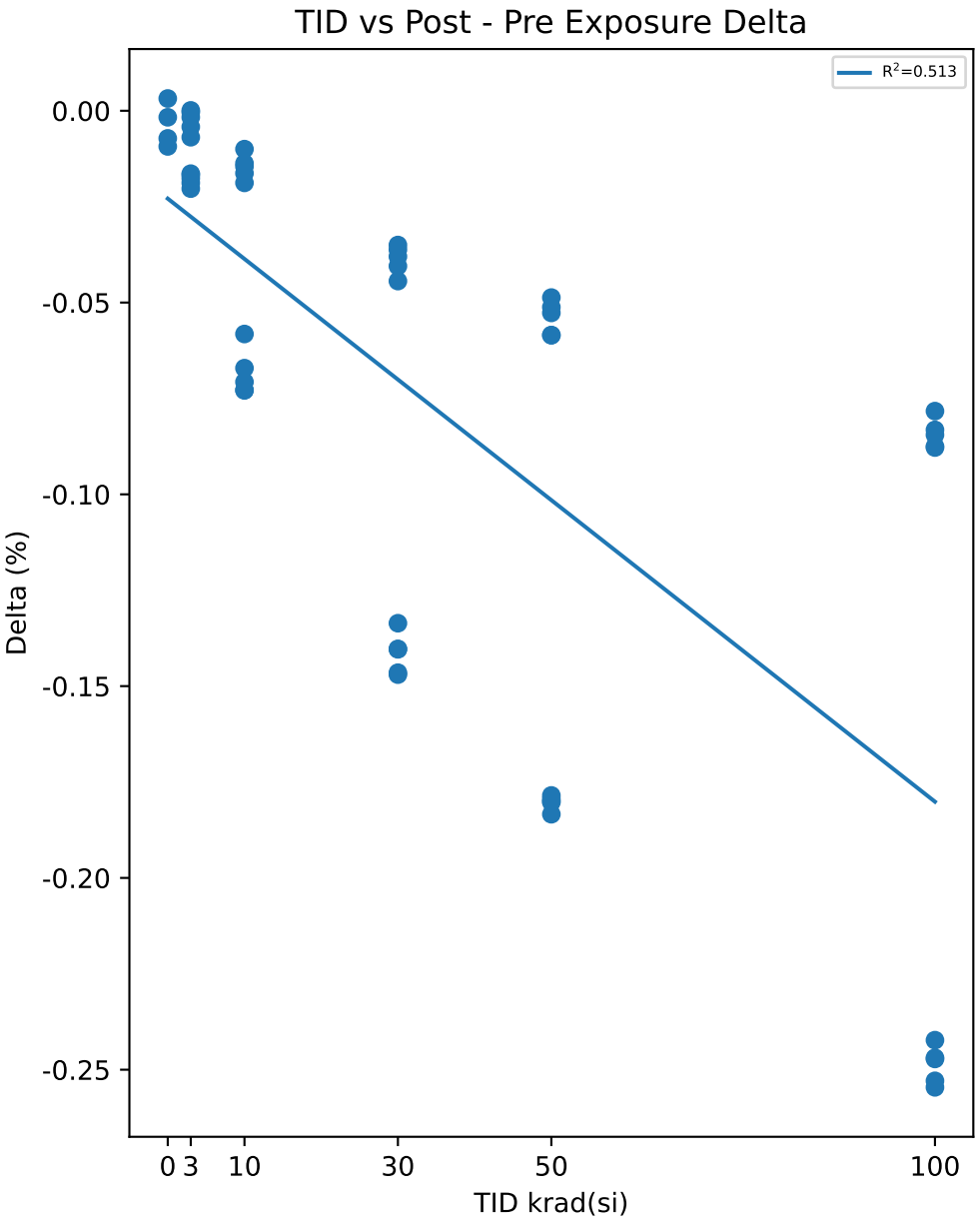
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.4609	1.4692	0.0083
3	3	Biased	1.5236	1.5344	0.0108
4	3	Biased	1.4539	1.4706	0.0167
5	3	Biased	1.5667	1.5807	0.014
6	3	Biased	1.5074	1.504	-0.0034
7	3	Unbiased	1.4387	1.445	0.0063
8	3	Unbiased	1.4755	1.4887	0.0132
9	3	Unbiased	1.5127	1.5189	0.0062
10	3	Unbiased	1.4395	1.4318	-0.0077
11	3	Unbiased	1.5486	1.5546	0.006
12	10	Unbiased	1.4732	1.4621	-0.0111
13	10	Unbiased	1.5314	1.5326	0.0012
14	10	Unbiased	1.4574	1.4595	0.0021
15	10	Unbiased	1.462	1.4705	0.0085
16	10	Unbiased	1.4881	1.4946	0.0065
17	10	Biased	1.5211	1.5334	0.0123
18	10	Biased	1.5514	1.551	-0.0004
19	10	Biased	1.4759	1.4836	0.0077
20	10	Biased	1.5113	1.5064	-0.0049
21	10	Biased	1.4888	1.5082	0.0194
22	30	Biased	1.5146	1.5355	0.0209
23	30	Biased	1.4671	1.4653	-0.0018
24	30	Biased	1.4792	1.4829	0.0037
25	30	Biased	1.503	1.5149	0.0119
26	30	Biased	1.4604	1.4578	-0.0026
27	30	Unbiased	1.442	1.4382	-0.0038
28	30	Unbiased	1.4507	1.4709	0.0202
29	30	Unbiased	1.4548	1.4665	0.0117
30	30	Unbiased	1.4454	1.4778	0.0324
31	30	Unbiased	1.521	1.5279	0.0069
32	50	Biased	1.4815	1.5176	0.0361
33	50	Biased	1.4816	1.4805	-0.0011
34	50	Biased	1.4874	1.4934	0.006
35	50	Biased	1.5375	1.5352	-0.0023
36	50	Biased	1.4924	1.511	0.0186
37	50	Unbiased	1.4862	1.4801	-0.0061
39	50	Unbiased	1.4742	1.467	-0.0072
40	50	Unbiased	1.4135	1.4047	-0.0088
41	50	Unbiased	1.4216	1.435	0.0134
42	50	Unbiased	1.5011	1.5291	0.028
43	100	Biased	1.4811	1.5095	0.0284
44	100	Biased	1.4876	1.5519	0.0643
45	100	Biased	1.5354	1.5595	0.0241
46	100	Biased	1.4414	1.4374	-0.004
47	100	Biased	1.5051	1.5272	0.0221
48	100	Unbiased	1.5035	1.5429	0.0394
49	100	Unbiased	1.5177	1.5566	0.0389
50	100	Unbiased	1.4811	1.5327	0.0516
51	100	Unbiased	1.5339	1.573	0.0391
52	100	Unbiased	1.4692	1.4802	0.011
53	0	Correlation	1.4678	1.465	-0.0028
54	0	Correlation	1.4508	1.45	-0.0008
55	0	Correlation	1.4661	1.4646	-0.0015
56	0	Correlation	1.532	1.5314	-0.0006

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	1.4508	1.4792	1.532	0.036037	1.45	1.4777	1.5314	0.036441	-0.0028	-0.001425	-0.0006	0.00099457
3	1.4387	1.4928	1.5667	0.04562	1.4318	1.4998	1.5807	0.04792	-0.0077	0.00704	0.0167	0.0076305
10	1.4574	1.4961	1.5514	0.031394	1.4595	1.5002	1.551	0.031854	-0.0111	0.00413	0.0194	0.0087184
30	1.442	1.4738	1.521	0.029271	1.4382	1.4838	1.5355	0.031946	-0.0038	0.00995	0.0324	0.011874
50	1.4135	1.4777	1.5375	0.036235	1.4047	1.4854	1.5352	0.041619	-0.0088	0.00766	0.0361	0.015758
100	1.4414	1.4956	1.5354	0.02946	1.4374	1.5271	1.573	0.041471	-0.004	0.03149	0.0643	0.019686

Device Test: 6.70; VOL_WDO_2MA





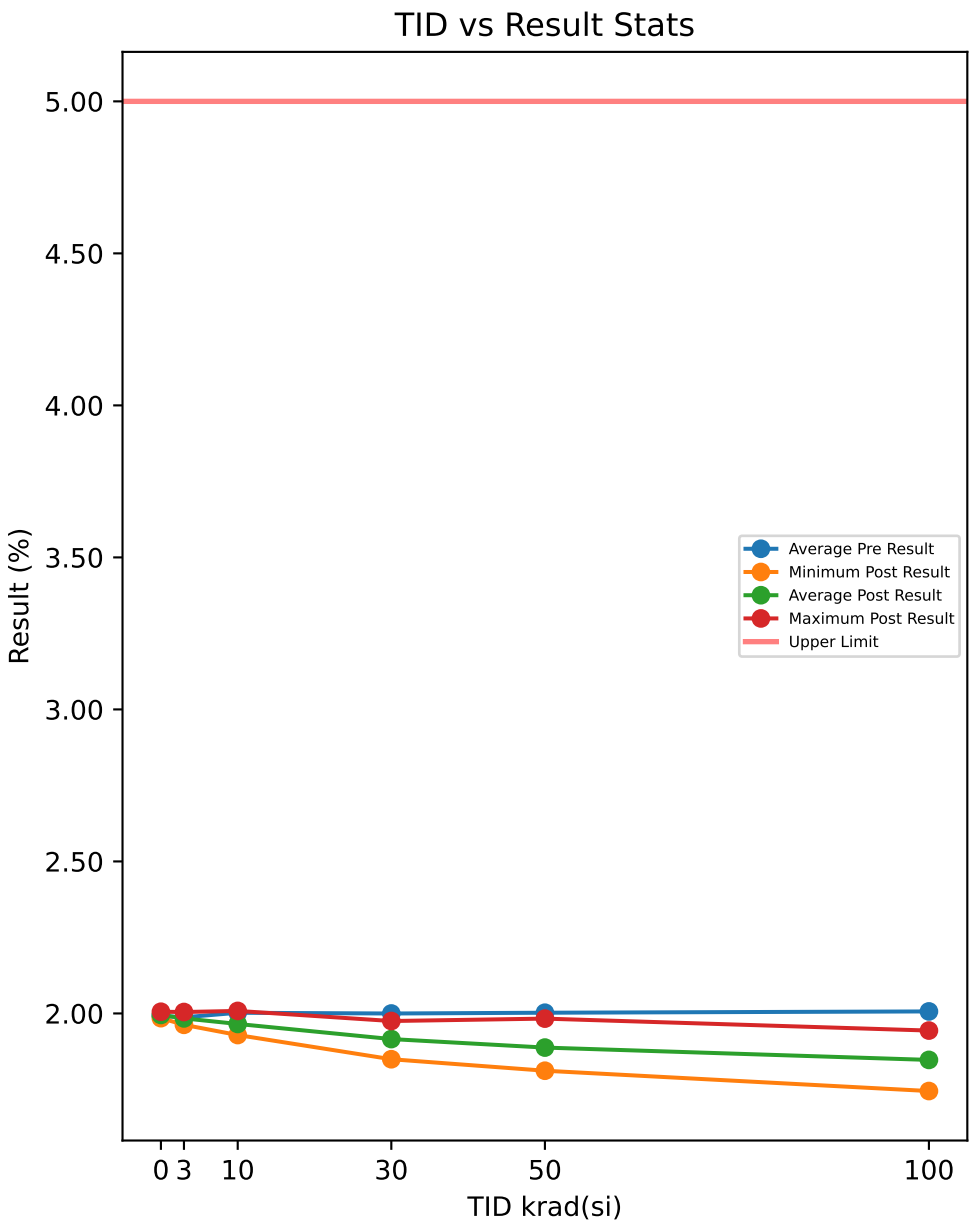
Test Results (Upper Limit = 5.0 (%))

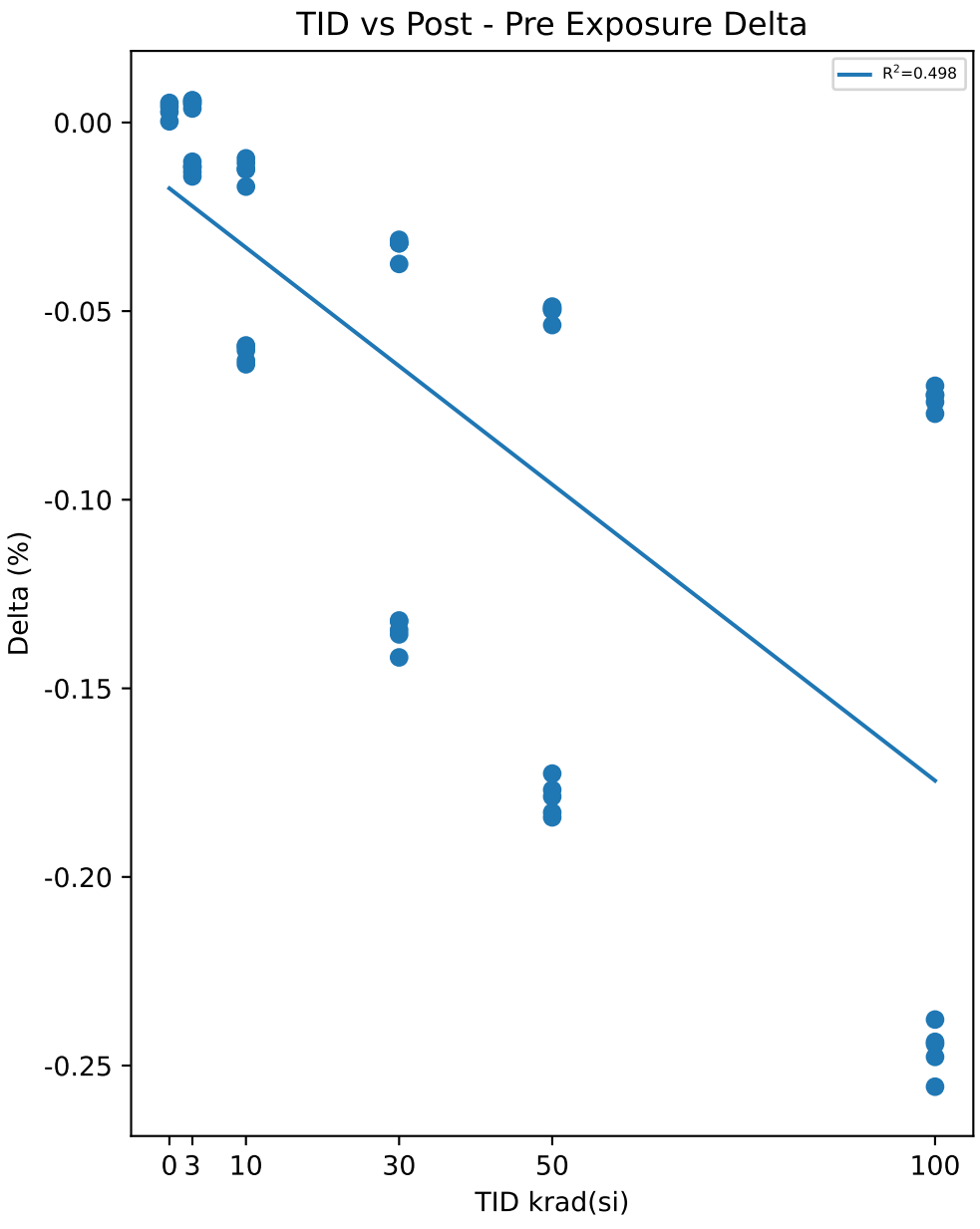
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.9887	1.9723	-0.0164
3	3	Biased	2.0085	1.9882	-0.0203
4	3	Biased	1.9872	1.9684	-0.0188
5	3	Biased	2.0049	1.9882	-0.0167
6	3	Biased	2.004	1.9864	-0.0176
7	3	Unbiased	2.0104	2.0062	-0.0042
8	3	Unbiased	1.9967	1.9968	0.0001
9	3	Unbiased	2.021	2.0206	-0.0004
10	3	Unbiased	2.0064	2.0047	-0.0017
11	3	Unbiased	2.0061	1.9992	-0.0069
12	10	Unbiased	2.018	2.0017	-0.0163
13	10	Unbiased	2.011	2.001	-0.01
14	10	Unbiased	1.9964	1.9827	-0.0137
15	10	Unbiased	2.0079	1.9891	-0.0188
16	10	Unbiased	2.0226	2.0081	-0.0145
17	10	Biased	2.0406	1.9699	-0.0707
18	10	Biased	2.0201	1.9473	-0.0728
19	10	Biased	2.0061	1.9479	-0.0582
20	10	Biased	2.0162	1.9433	-0.0729
21	10	Biased	2.0101	1.943	-0.0671
22	30	Biased	2.0015	1.8545	-0.147
23	30	Biased	2.0052	1.8648	-0.1404
24	30	Biased	2.0125	1.8722	-0.1403
25	30	Biased	2.0113	1.8648	-0.1465
26	30	Biased	2.0085	1.8749	-0.1336
27	30	Unbiased	2.0067	1.9705	-0.0362
28	30	Unbiased	2.0223	1.9818	-0.0405
29	30	Unbiased	2.0034	1.9684	-0.035
30	30	Unbiased	2.0018	1.9574	-0.0444
31	30	Unbiased	2.0323	1.9943	-0.038
32	50	Biased	2.0119	1.8285	-0.1834
33	50	Biased	2.0098	1.8313	-0.1785
34	50	Biased	1.9957	1.8154	-0.1803
35	50	Biased	2.0201	1.8401	-0.18
36	50	Biased	2.0308	1.8514	-0.1794
37	50	Unbiased	1.9982	1.9455	-0.0527
39	50	Unbiased	2.0073	1.9488	-0.0585
40	50	Unbiased	2.0174	1.9662	-0.0512
41	50	Unbiased	2.0302	1.9717	-0.0585
42	50	Unbiased	2.021	1.9723	-0.0487
43	100	Biased	2.0366	1.7943	-0.2423
44	100	Biased	2.0067	1.7598	-0.2469
45	100	Biased	2.0226	1.768	-0.2546
46	100	Biased	2.0403	1.7931	-0.2472
47	100	Biased	2.0332	1.7803	-0.2529
48	100	Unbiased	2.011	1.9265	-0.0845
49	100	Unbiased	2.022	1.9342	-0.0878
50	100	Unbiased	2.0238	1.9455	-0.0783
51	100	Unbiased	2.0366	1.9491	-0.0875
52	100	Unbiased	2.0271	1.9439	-0.0832
53	0	Correlation	2.0104	2.0136	0.0032
54	0	Correlation	2.0006	1.9913	-0.0093
55	0	Correlation	2.0092	2.002	-0.0072
56	0	Correlation	2.0232	2.0215	-0.0017

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	2.0006	2.0109	2.0232	0.0093186	1.9913	2.0071	2.0215	0.013232	-0.0093	-0.00375	0.0032	0.0056335
3	1.9872	2.0034	2.021	0.010149	1.9684	1.9931	2.0206	0.015808	-0.0203	-0.01029	0.0001	0.0083839
10	1.9964	2.0149	2.0406	0.011856	1.943	1.9734	2.0081	0.026402	-0.0729	-0.0415	-0.01	0.028669
30	2.0015	2.0105	2.0323	0.0098473	1.8545	1.9204	1.9943	0.058055	-0.147	-0.09019	-0.035	0.054329
50	1.9957	2.0142	2.0308	0.011988	1.8154	1.8971	1.9723	0.068361	-0.1834	-0.11712	-0.0487	0.066695
100	2.0067	2.026	2.0403	0.011116	1.7598	1.8595	1.9491	0.085545	-0.2546	-0.16652	-0.0783	0.086811

Device Test: 6.71; VOL_PWRGD_2MA





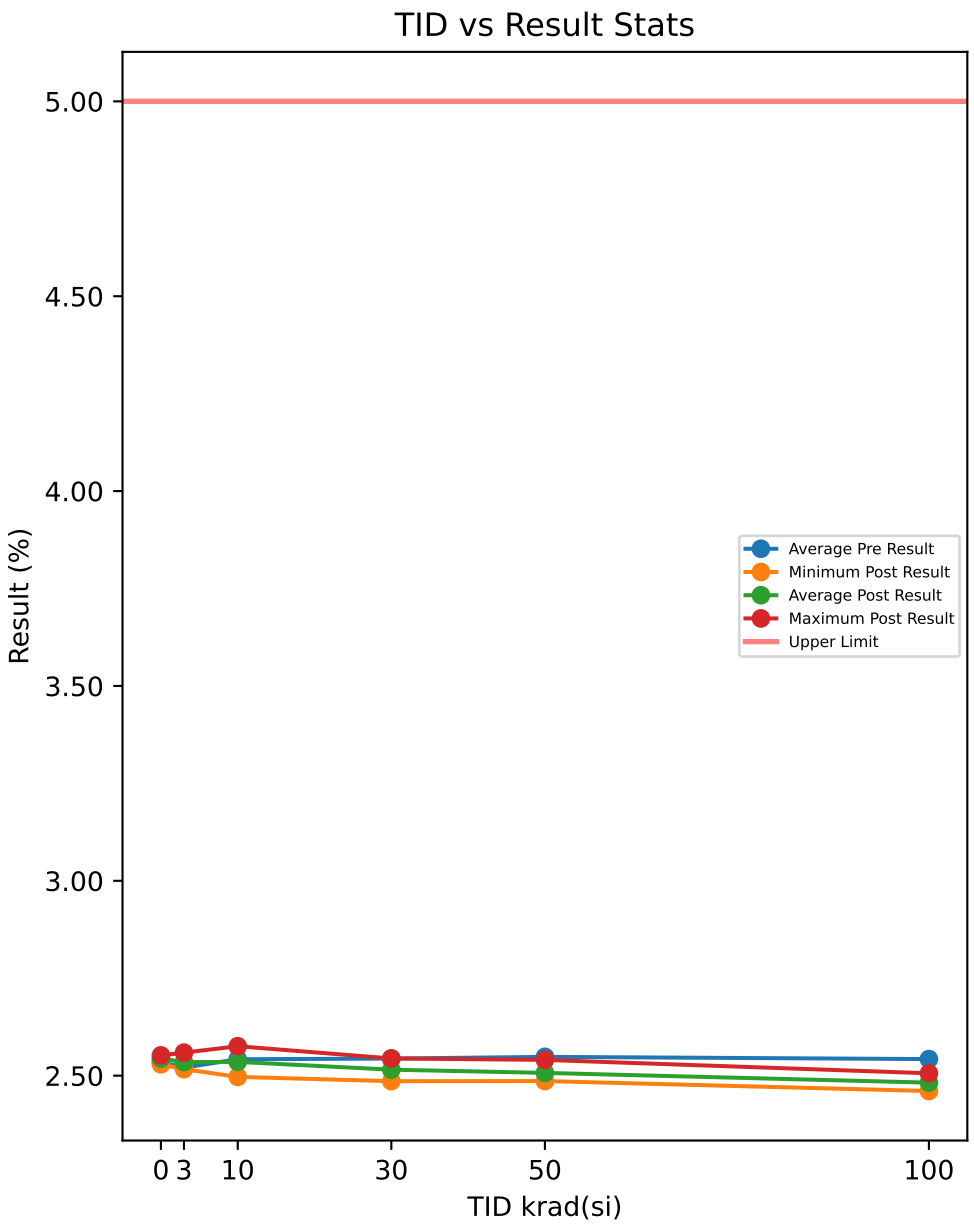
Test Results (Upper Limit = 5.0 (%))

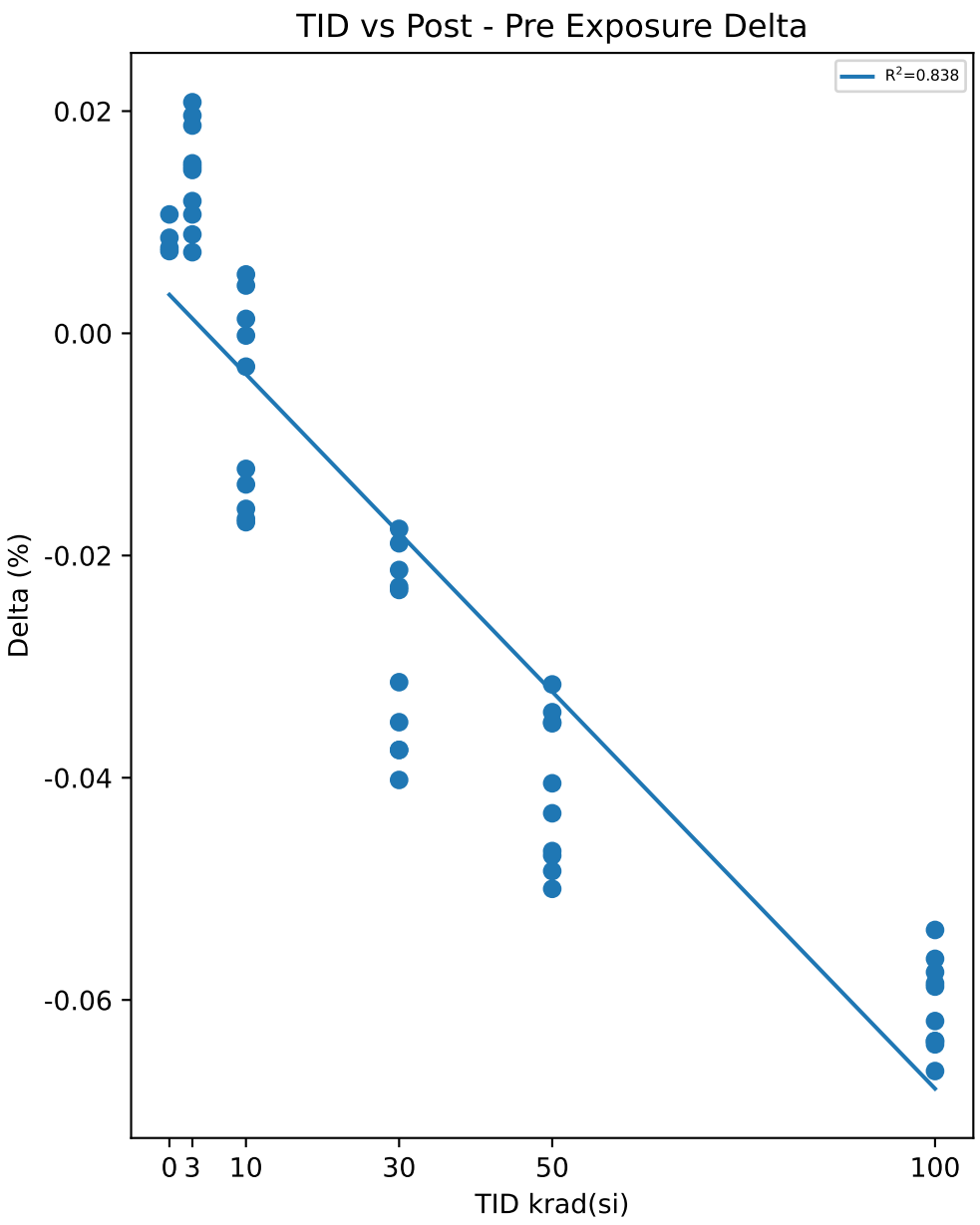
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.9821	1.9678	-0.0143
3	3	Biased	1.9928	1.9809	-0.0119
4	3	Biased	1.9742	1.9626	-0.0116
5	3	Biased	1.9882	1.9778	-0.0104
6	3	Biased	1.9796	1.9665	-0.0131
7	3	Unbiased	1.9909	1.9946	0.0037
8	3	Unbiased	1.9796	1.9855	0.0059
9	3	Unbiased	1.9998	2.0047	0.0049
10	3	Unbiased	1.9992	2.0044	0.0052
11	3	Unbiased	1.9867	1.9925	0.0058
12	10	Unbiased	2.0117	2.001	-0.0107
13	10	Unbiased	2.0178	2.0083	-0.0095
14	10	Unbiased	1.9918	1.9748	-0.017
15	10	Unbiased	2.0034	1.9912	-0.0122
16	10	Unbiased	2.0022	1.9897	-0.0125
17	10	Biased	2.0016	1.9425	-0.0591
18	10	Biased	1.9897	1.9303	-0.0594
19	10	Biased	2.0092	1.9461	-0.0631
20	10	Biased	1.9931	1.929	-0.0641
21	10	Biased	2.0019	1.9415	-0.0604
22	30	Biased	1.9851	1.8494	-0.1357
23	30	Biased	1.9912	1.8589	-0.1323
24	30	Biased	2.0175	1.883	-0.1345
25	30	Biased	2.004	1.8622	-0.1418
26	30	Biased	1.9842	1.8522	-0.132
27	30	Unbiased	2.0059	1.9748	-0.0311
28	30	Unbiased	2.0037	1.9717	-0.032
29	30	Unbiased	1.9961	1.9586	-0.0375
30	30	Unbiased	2.0034	1.9714	-0.032
31	30	Unbiased	2.0071	1.9751	-0.032
32	50	Biased	2.0025	1.8196	-0.1829
33	50	Biased	1.9986	1.826	-0.1726
34	50	Biased	1.9903	1.8116	-0.1787
35	50	Biased	2.0004	1.8162	-0.1842
36	50	Biased	2.0105	1.8336	-0.1769
37	50	Unbiased	1.9943	1.9446	-0.0497
39	50	Unbiased	2.0022	1.9485	-0.0537
40	50	Unbiased	2.0327	1.983	-0.0497
41	50	Unbiased	1.9967	1.9476	-0.0491
42	50	Unbiased	1.9955	1.9467	-0.0488
43	100	Biased	2.0254	1.7817	-0.2437
44	100	Biased	1.9925	1.7448	-0.2477
45	100	Biased	1.9976	1.7598	-0.2378
46	100	Biased	2.0303	1.786	-0.2443
47	100	Biased	2.0129	1.7573	-0.2556
48	100	Unbiased	1.9925	1.9184	-0.0741
49	100	Unbiased	1.9986	1.9214	-0.0772
50	100	Unbiased	2.0095	1.9373	-0.0722
51	100	Unbiased	1.9937	1.9214	-0.0723
52	100	Unbiased	2.0135	1.9437	-0.0698
53	0	Correlation	2.0028	2.0056	0.0028
54	0	Correlation	1.9803	1.9845	0.0042
55	0	Correlation	1.9827	1.9879	0.0052
56	0	Correlation	2.0022	2.0025	0.0003

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	1.9803	1.992	2.0028	0.012166	1.9845	1.9951	2.0056	0.010475	0.0003	0.003125	0.0052	0.002125
3	1.9742	1.9873	1.9998	0.00856	1.9626	1.9837	2.0047	0.015295	-0.0143	-0.00358	0.0059	0.0092223
10	1.9897	2.0022	2.0178	0.0090167	1.929	1.9654	2.0083	0.030691	-0.0641	-0.0368	-0.0095	0.025855
30	1.9842	1.9998	2.0175	0.010523	1.8494	1.9157	1.9751	0.058391	-0.1418	-0.08409	-0.0311	0.05403
50	1.9903	2.0024	2.0327	0.011992	1.8116	1.8877	1.983	0.070993	-0.1842	-0.11463	-0.0488	0.068
100	1.9925	2.0067	2.0303	0.013824	1.7448	1.8472	1.9437	0.086765	-0.2556	-0.15947	-0.0698	0.091143

Device Test: 6.72; VOL_RESET_2MA





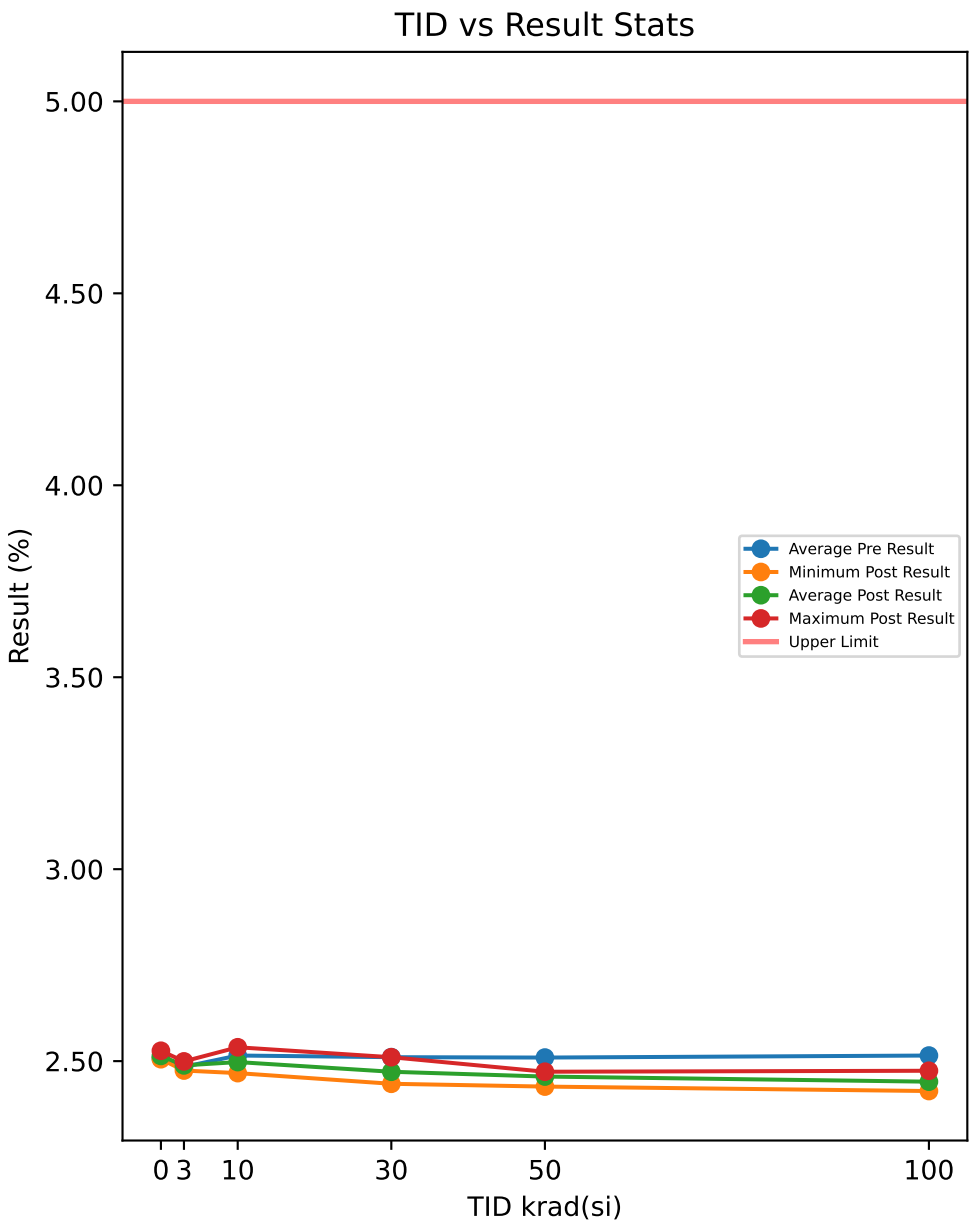
Test Results (Upper Limit = 5.0 (%))

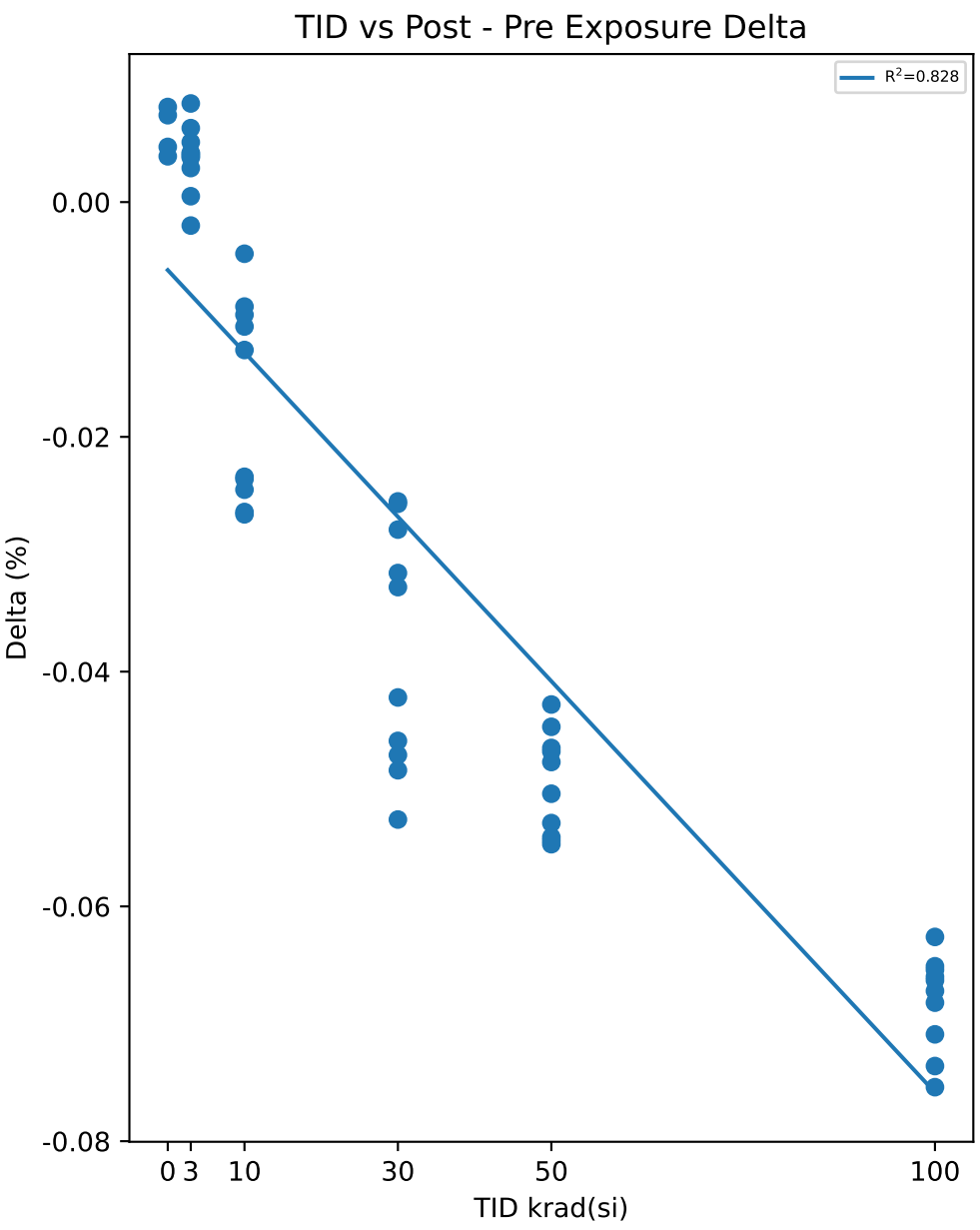
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.517	2.532	0.015
3	3	Biased	2.5155	2.5274	0.0119
4	3	Biased	2.5091	2.5198	0.0107
5	3	Biased	2.5502	2.5591	0.0089
6	3	Biased	2.5094	2.5167	0.0073
7	3	Unbiased	2.5118	2.5305	0.0187
8	3	Unbiased	2.5289	2.5485	0.0196
9	3	Unbiased	2.5213	2.5366	0.0153
10	3	Unbiased	2.5039	2.5247	0.0208
11	3	Unbiased	2.5383	2.553	0.0147
12	10	Unbiased	2.556	2.5613	0.0053
13	10	Unbiased	2.5435	2.5478	0.0043
14	10	Unbiased	2.5548	2.5546	-0.0002
15	10	Unbiased	2.5551	2.5521	-0.003
16	10	Unbiased	2.5191	2.5204	0.0013
17	10	Biased	2.5091	2.4969	-0.0122
18	10	Biased	2.5222	2.5052	-0.017
19	10	Biased	2.5923	2.5756	-0.0167
20	10	Biased	2.5261	2.5103	-0.0158
21	10	Biased	2.5435	2.5299	-0.0136
22	30	Biased	2.5487	2.5137	-0.035
23	30	Biased	2.5539	2.5137	-0.0402
24	30	Biased	2.5588	2.5213	-0.0375
25	30	Biased	2.5234	2.4859	-0.0375
26	30	Biased	2.528	2.4966	-0.0314
27	30	Unbiased	2.5478	2.5265	-0.0213
28	30	Unbiased	2.5618	2.5442	-0.0176
29	30	Unbiased	2.5411	2.518	-0.0231
30	30	Unbiased	2.5283	2.5094	-0.0189
31	30	Unbiased	2.5475	2.5247	-0.0228
32	50	Biased	2.5389	2.4957	-0.0432
33	50	Biased	2.5332	2.4862	-0.047
34	50	Biased	2.5453	2.4969	-0.0484
35	50	Biased	2.5435	2.4969	-0.0466
36	50	Biased	2.5792	2.5292	-0.05
37	50	Unbiased	2.5383	2.5067	-0.0316
39	50	Unbiased	2.5435	2.503	-0.0405
40	50	Unbiased	2.5274	2.4933	-0.0341
41	50	Unbiased	2.5755	2.5405	-0.035
42	50	Unbiased	2.5582	2.5231	-0.0351
43	100	Biased	2.5274	2.4655	-0.0619
44	100	Biased	2.5243	2.4606	-0.0637
45	100	Biased	2.5636	2.5061	-0.0575
46	100	Biased	2.5377	2.474	-0.0637
47	100	Biased	2.5484	2.4844	-0.064
48	100	Unbiased	2.5389	2.4826	-0.0563
49	100	Unbiased	2.545	2.4786	-0.0664
50	100	Unbiased	2.5463	2.4878	-0.0585
51	100	Unbiased	2.5335	2.4798	-0.0537
52	100	Unbiased	2.5609	2.5021	-0.0588
53	0	Correlation	2.5344	2.5451	0.0107
54	0	Correlation	2.5444	2.5521	0.0077
55	0	Correlation	2.5206	2.5292	0.0086
56	0	Correlation	2.5417	2.5491	0.0074

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	2.5206	2.5353	2.5444	0.010656	2.5292	2.5439	2.5521	0.010195	0.0074	0.0086	0.0107	0.00149
3	2.5039	2.5205	2.5502	0.014575	2.5167	2.5348	2.5591	0.014331	0.0073	0.01429	0.0208	0.0045732
10	2.5091	2.5422	2.5923	0.024307	2.4969	2.5354	2.5756	0.026599	-0.017	-0.00676	0.0053	0.0091388
30	2.5234	2.5439	2.5618	0.013408	2.4859	2.5154	2.5442	0.016146	-0.0402	-0.02853	-0.0176	0.0086538
50	2.5274	2.5483	2.5792	0.017323	2.4862	2.5072	2.5405	0.017771	-0.05	-0.04115	-0.0316	0.0067886
100	2.5243	2.5426	2.5636	0.012976	2.4606	2.4821	2.5061	0.014279	-0.0664	-0.06045	-0.0537	0.0040722

Device Test: 6.73; VOL_RESET_2MA





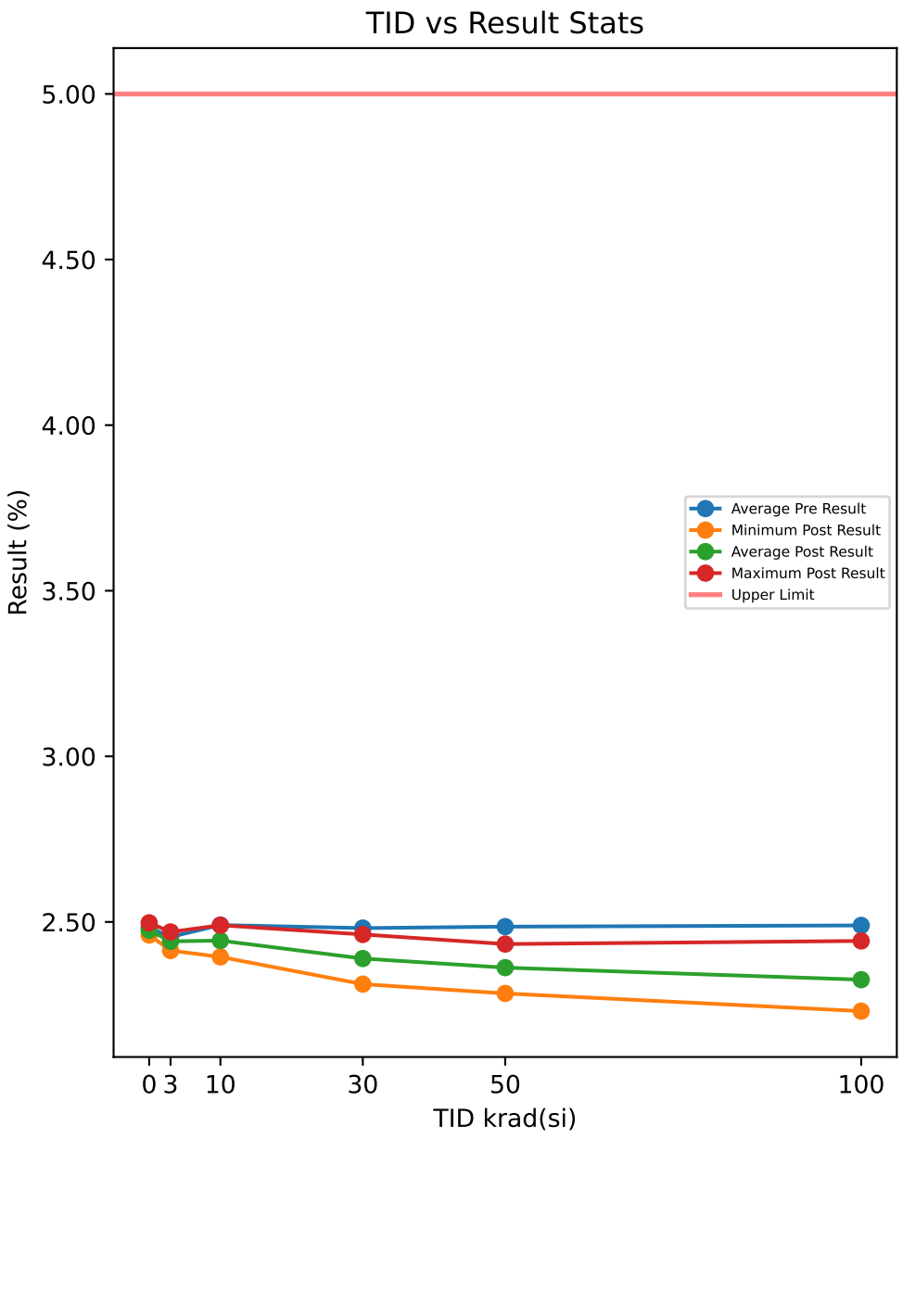
Test Results (Upper Limit = 5.0 (%))

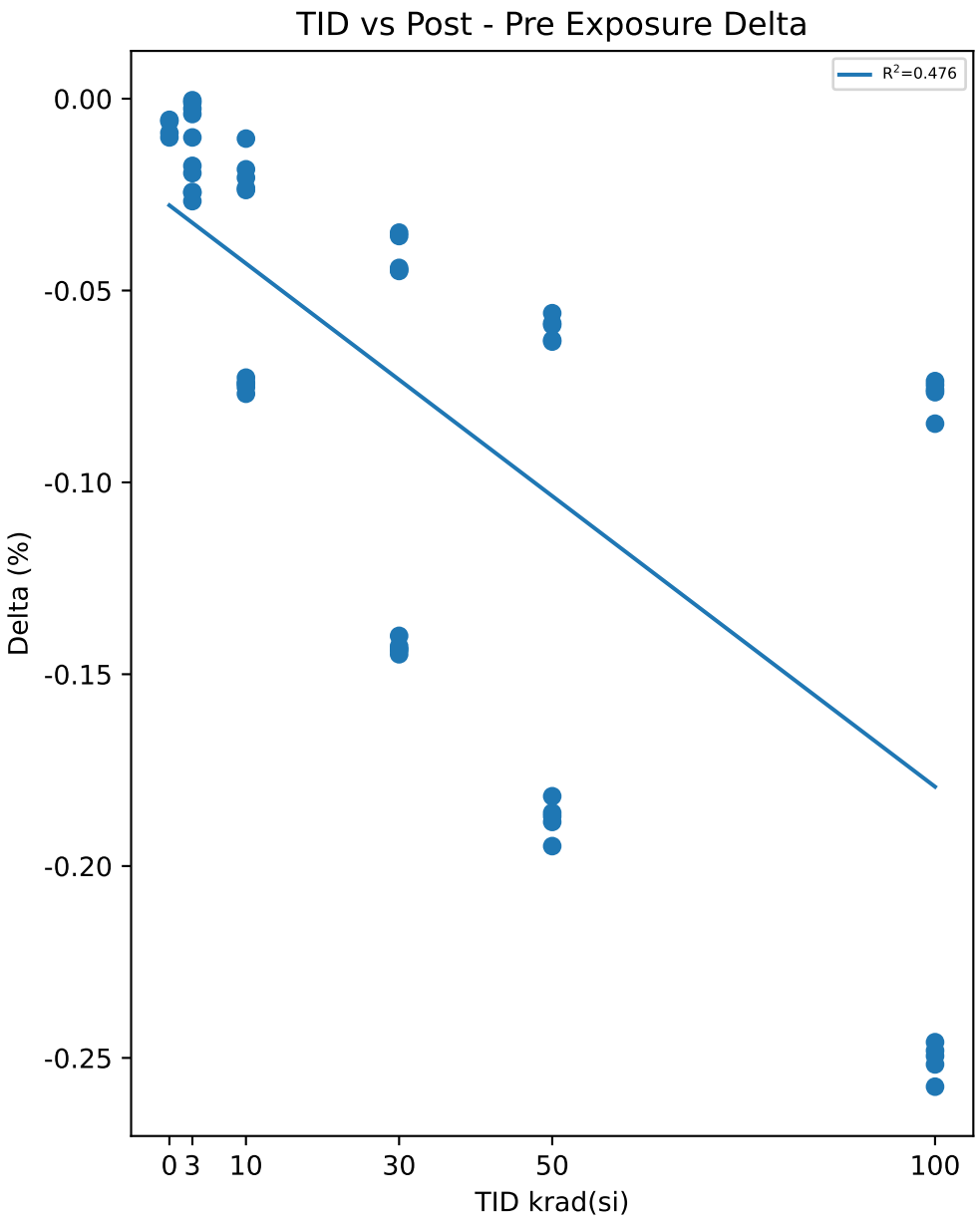
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.4671	2.4755	0.0084
3	3	Biased	2.4988	2.4993	0.0005
4	3	Biased	2.4793	2.4831	0.0038
5	3	Biased	2.4912	2.4892	-0.002
6	3	Biased	2.4851	2.4892	0.0041
7	3	Unbiased	2.4832	2.4871	0.0039
8	3	Unbiased	2.4762	2.4825	0.0063
9	3	Unbiased	2.4881	2.4932	0.0051
10	3	Unbiased	2.4887	2.4929	0.0042
11	3	Unbiased	2.4942	2.4971	0.0029
12	10	Unbiased	2.515	2.5044	-0.0106
13	10	Unbiased	2.5146	2.5102	-0.0044
14	10	Unbiased	2.5143	2.5054	-0.0089
15	10	Unbiased	2.5009	2.4883	-0.0126
16	10	Unbiased	2.5217	2.5121	-0.0096
17	10	Biased	2.5018	2.4773	-0.0245
18	10	Biased	2.5168	2.4904	-0.0264
19	10	Biased	2.5595	2.5361	-0.0234
20	10	Biased	2.4954	2.4688	-0.0266
21	10	Biased	2.5061	2.4825	-0.0236
22	30	Biased	2.5211	2.4727	-0.0484
23	30	Biased	2.5189	2.4718	-0.0471
24	30	Biased	2.5082	2.466	-0.0422
25	30	Biased	2.4936	2.441	-0.0526
26	30	Biased	2.5028	2.4569	-0.0459
27	30	Unbiased	2.5107	2.4828	-0.0279
28	30	Unbiased	2.5107	2.4852	-0.0255
29	30	Unbiased	2.4951	2.4694	-0.0257
30	30	Unbiased	2.5	2.4672	-0.0328
31	30	Unbiased	2.5418	2.5102	-0.0316
32	50	Biased	2.511	2.4566	-0.0544
33	50	Biased	2.4841	2.4337	-0.0504
34	50	Biased	2.5049	2.4502	-0.0547
35	50	Biased	2.5174	2.4633	-0.0541
36	50	Biased	2.5241	2.4712	-0.0529
37	50	Unbiased	2.5003	2.4575	-0.0428
39	50	Unbiased	2.5201	2.4724	-0.0477
40	50	Unbiased	2.5131	2.4663	-0.0468
41	50	Unbiased	2.5073	2.4608	-0.0465
42	50	Unbiased	2.5107	2.466	-0.0447
43	100	Biased	2.5326	2.4572	-0.0754
44	100	Biased	2.5052	2.4316	-0.0736
45	100	Biased	2.5189	2.448	-0.0709
46	100	Biased	2.5159	2.4477	-0.0682
47	100	Biased	2.5302	2.4639	-0.0663
48	100	Unbiased	2.4945	2.4319	-0.0626
49	100	Unbiased	2.4872	2.4221	-0.0651
50	100	Unbiased	2.5024	2.4364	-0.066
51	100	Unbiased	2.5421	2.4749	-0.0672
52	100	Unbiased	2.5165	2.4511	-0.0654
53	0	Correlation	2.5003	2.505	0.0047
54	0	Correlation	2.5089	2.5163	0.0074
55	0	Correlation	2.5021	2.506	0.0039
56	0	Correlation	2.5189	2.527	0.0081

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	2.5003	2.5076	2.5189	0.0084244	2.505	2.5136	2.527	0.010305	0.0039	0.006025	0.0081	0.0020386
3	2.4671	2.4852	2.4988	0.0092499	2.4755	2.4889	2.4993	0.007207	-0.002	0.00372	0.0084	0.0028797
10	2.4954	2.5146	2.5595	0.017839	2.4688	2.4975	2.5361	0.019906	-0.0266	-0.01706	-0.0044	0.0085681
30	2.4936	2.5103	2.5418	0.014375	2.441	2.4723	2.5102	0.018271	-0.0526	-0.03797	-0.0255	0.010337
50	2.4841	2.5093	2.5241	0.011353	2.4337	2.4598	2.4724	0.011409	-0.0547	-0.0495	-0.0428	0.0043721
100	2.4872	2.5145	2.5421	0.017446	2.4221	2.4465	2.4749	0.016266	-0.0754	-0.06807	-0.0626	0.0040329

Device Test: 6.74; VOL_RESET_2MA





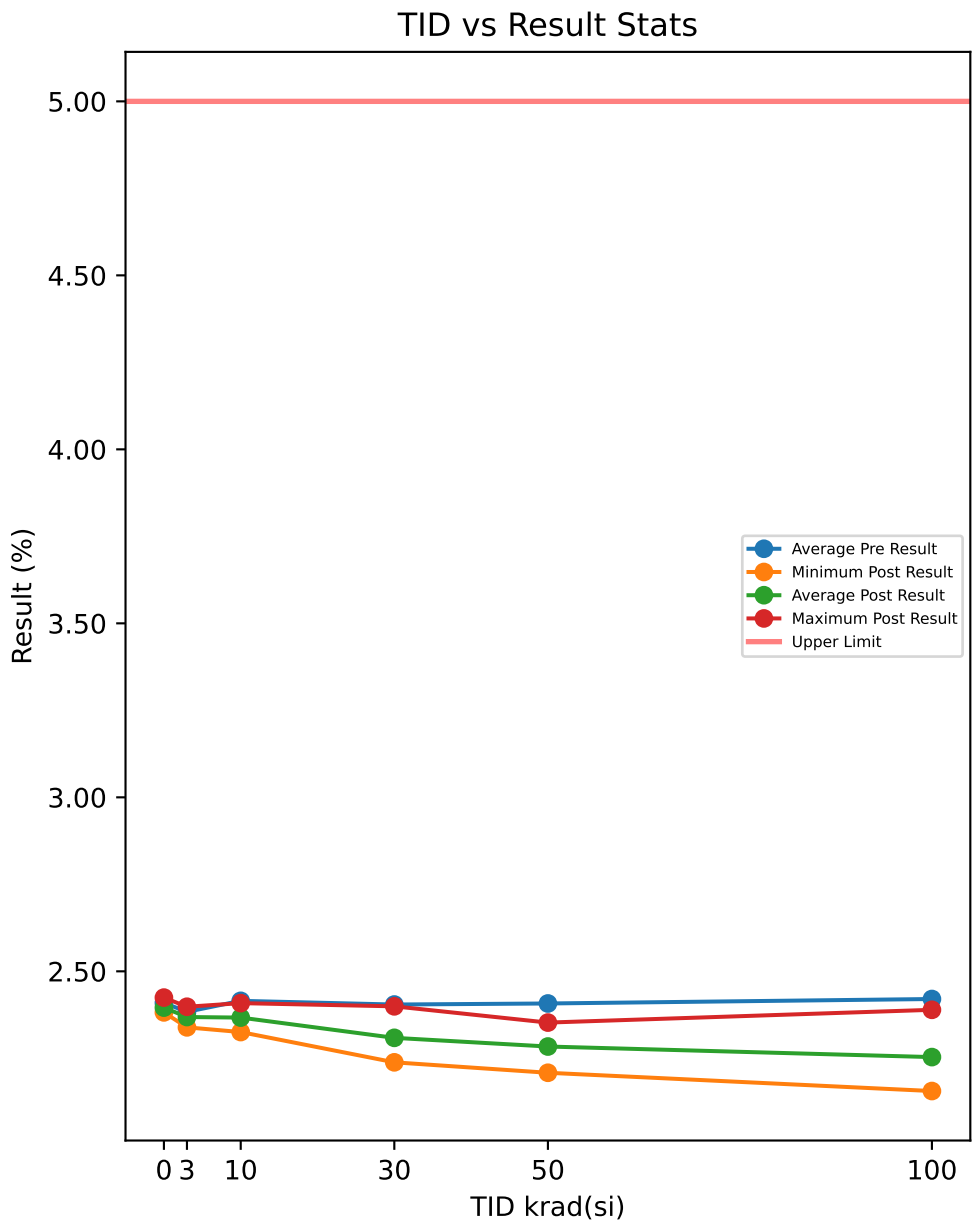
Test Results (Upper Limit = 5.0 (%))

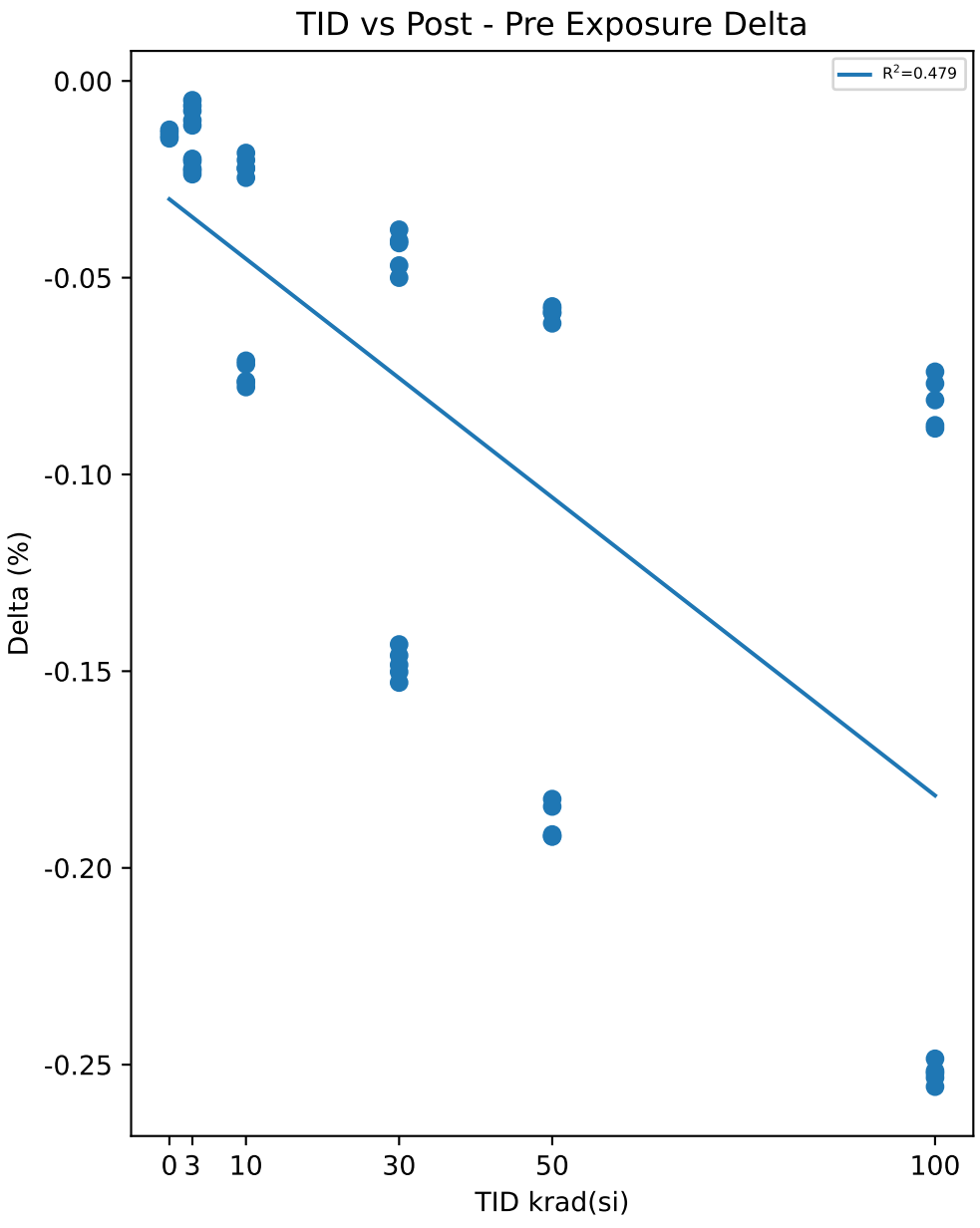
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.4388	2.4194	-0.0194
3	3	Biased	2.4754	2.4509	-0.0245
4	3	Biased	2.4403	2.4136	-0.0267
5	3	Biased	2.4681	2.4506	-0.0175
6	3	Biased	2.4434	2.4191	-0.0243
7	3	Unbiased	2.4367	2.4341	-0.0026
8	3	Unbiased	2.4537	2.4497	-0.004
9	3	Unbiased	2.4708	2.4698	-0.001
10	3	Unbiased	2.4473	2.4469	-0.0004
11	3	Unbiased	2.4714	2.4613	-0.0101
12	10	Unbiased	2.4937	2.4753	-0.0184
13	10	Unbiased	2.5004	2.49	-0.0104
14	10	Unbiased	2.4748	2.4542	-0.0206
15	10	Unbiased	2.4815	2.4582	-0.0233
16	10	Unbiased	2.4973	2.4735	-0.0238
17	10	Biased	2.4827	2.41	-0.0727
18	10	Biased	2.4922	2.4179	-0.0743
19	10	Biased	2.533	2.4561	-0.0769
20	10	Biased	2.4696	2.3944	-0.0752
21	10	Biased	2.4806	2.4066	-0.074
22	30	Biased	2.4964	2.3529	-0.1435
23	30	Biased	2.4958	2.351	-0.1448
24	30	Biased	2.4748	2.3348	-0.14
25	30	Biased	2.4559	2.3122	-0.1437
26	30	Biased	2.4797	2.337	-0.1427
27	30	Unbiased	2.4827	2.4381	-0.0446
28	30	Unbiased	2.4781	2.4432	-0.0349
29	30	Unbiased	2.4672	2.4231	-0.0441
30	30	Unbiased	2.4763	2.4405	-0.0358
31	30	Unbiased	2.5071	2.4622	-0.0449
32	50	Biased	2.4867	2.2997	-0.187
33	50	Biased	2.4659	2.2841	-0.1818
34	50	Biased	2.4772	2.2887	-0.1885
35	50	Biased	2.504	2.3092	-0.1948
36	50	Biased	2.4986	2.3125	-0.1861
37	50	Unbiased	2.4736	2.4151	-0.0585
39	50	Unbiased	2.4879	2.4246	-0.0633
40	50	Unbiased	2.4961	2.4332	-0.0629
41	50	Unbiased	2.4845	2.4255	-0.059
42	50	Unbiased	2.4833	2.4274	-0.0559
43	100	Biased	2.5184	2.2667	-0.2517
44	100	Biased	2.4882	2.2307	-0.2575
45	100	Biased	2.4952	2.2457	-0.2495
46	100	Biased	2.4934	2.2475	-0.2459
47	100	Biased	2.4925	2.2444	-0.2481
48	100	Unbiased	2.465	2.3892	-0.0758
49	100	Unbiased	2.4736	2.3889	-0.0847
50	100	Unbiased	2.4687	2.3922	-0.0765
51	100	Unbiased	2.5162	2.4426	-0.0736
52	100	Unbiased	2.4833	2.4087	-0.0746
53	0	Correlation	2.4665	2.4606	-0.0059
54	0	Correlation	2.4891	2.4802	-0.0089
55	0	Correlation	2.4723	2.4622	-0.0101
56	0	Correlation	2.5028	2.4973	-0.0055

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	2.4665	2.4827	2.5028	0.016488	2.4606	2.4751	2.4973	0.017277	-0.0101	-0.0076	-0.0055	0.0022539
3	2.4367	2.4546	2.4754	0.015325	2.4136	2.4415	2.4698	0.019102	-0.0267	-0.01305	-0.0004	0.010589
10	2.4696	2.4906	2.533	0.017909	2.3944	2.4436	2.49	0.033521	-0.0769	-0.04696	-0.0104	0.029398
30	2.4559	2.4814	2.5071	0.015018	2.3122	2.3895	2.4622	0.056575	-0.1448	-0.0919	-0.0349	0.053919
50	2.4659	2.4858	2.504	0.011705	2.2841	2.362	2.4332	0.067229	-0.1948	-0.12378	-0.0559	0.06742
100	2.465	2.4895	2.5184	0.018045	2.2307	2.3257	2.4426	0.084744	-0.2575	-0.16379	-0.0736	0.091538

Device Test: 6.75; VOL_RESET_2MA





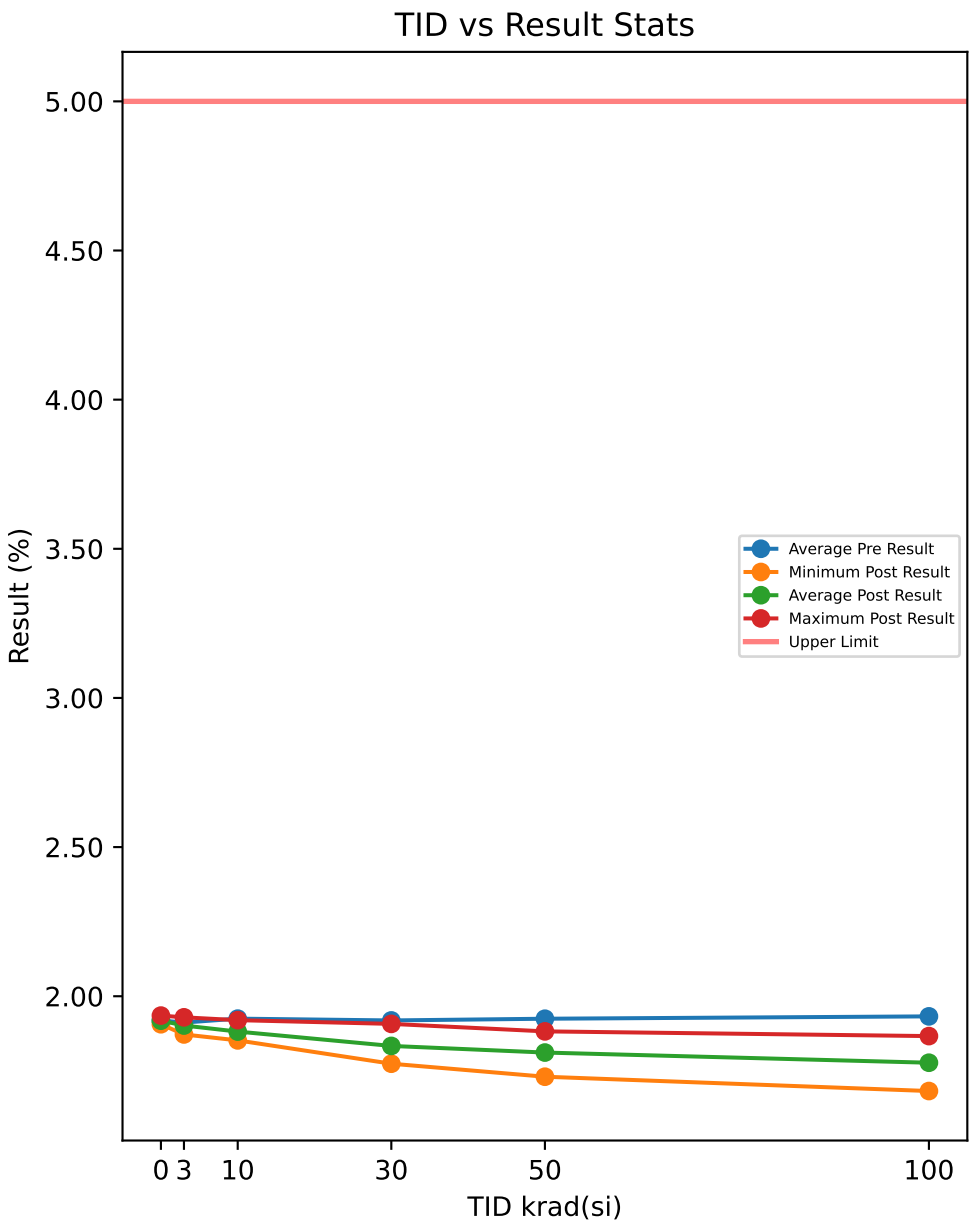
Test Results (Upper Limit = 5.0 (%))

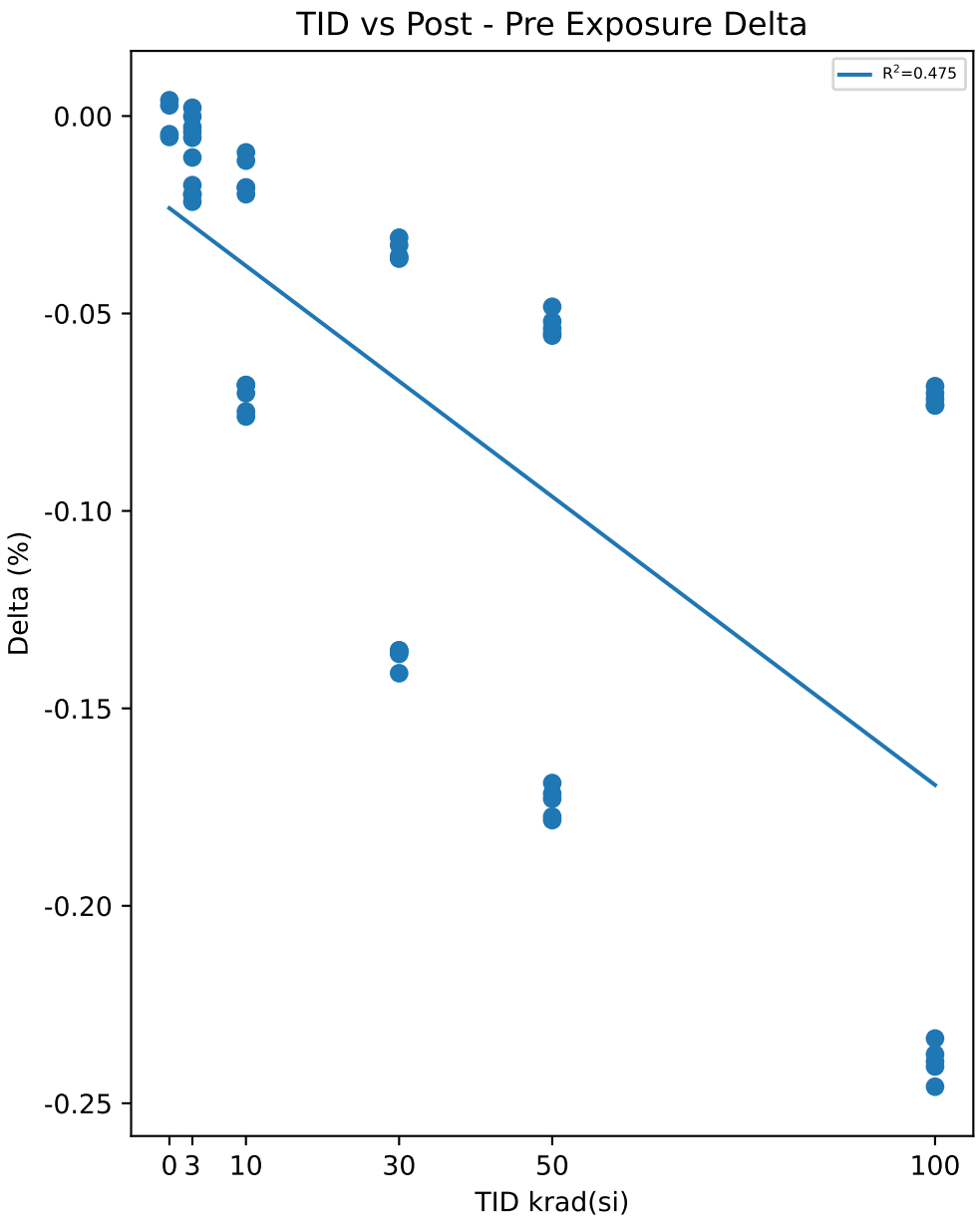
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.3695	2.3497	-0.0198
3	3	Biased	2.4097	2.386	-0.0237
4	3	Biased	2.3594	2.339	-0.0204
5	3	Biased	2.4024	2.3796	-0.0228
6	3	Biased	2.3655	2.3432	-0.0223
7	3	Unbiased	2.3655	2.3542	-0.0113
8	3	Unbiased	2.3774	2.3698	-0.0076
9	3	Unbiased	2.4018	2.3955	-0.0063
10	3	Unbiased	2.3765	2.3716	-0.0049
11	3	Unbiased	2.4082	2.3982	-0.01
12	10	Unbiased	2.4122	2.3939	-0.0183
13	10	Unbiased	2.4164	2.3942	-0.0222
14	10	Unbiased	2.403	2.3784	-0.0246
15	10	Unbiased	2.3924	2.3723	-0.0201
16	10	Unbiased	2.4308	2.4086	-0.0222
17	10	Biased	2.4235	2.3457	-0.0778
18	10	Biased	2.4192	2.3426	-0.0766
19	10	Biased	2.4479	2.3759	-0.072
20	10	Biased	2.4018	2.3255	-0.0763
21	10	Biased	2.4046	2.3335	-0.0711
22	30	Biased	2.4134	2.265	-0.1484
23	30	Biased	2.4195	2.2693	-0.1502
24	30	Biased	2.3997	2.2537	-0.146
25	30	Biased	2.3914	2.2385	-0.1529
26	30	Biased	2.3951	2.2519	-0.1432
27	30	Unbiased	2.4064	2.3564	-0.05
28	30	Unbiased	2.4039	2.3661	-0.0378
29	30	Unbiased	2.378	2.3368	-0.0412
30	30	Unbiased	2.3921	2.3515	-0.0406
31	30	Unbiased	2.4463	2.3994	-0.0469
32	50	Biased	2.4076	2.2232	-0.1844
33	50	Biased	2.3972	2.2147	-0.1825
34	50	Biased	2.4	2.2085	-0.1915
35	50	Biased	2.4241	2.2321	-0.192
36	50	Biased	2.4256	2.2336	-0.192
37	50	Unbiased	2.3908	2.3335	-0.0573
39	50	Unbiased	2.4143	2.3527	-0.0616
40	50	Unbiased	2.4021	2.3432	-0.0589
41	50	Unbiased	2.4079	2.35	-0.0579
42	50	Unbiased	2.4064	2.3475	-0.0589
43	100	Biased	2.4473	2.1917	-0.2556
44	100	Biased	2.4076	2.156	-0.2516
45	100	Biased	2.4131	2.1646	-0.2485
46	100	Biased	2.4152	2.163	-0.2522
47	100	Biased	2.4408	2.1875	-0.2533
48	100	Unbiased	2.389	2.3121	-0.0769
49	100	Unbiased	2.4091	2.3216	-0.0875
50	100	Unbiased	2.3948	2.3209	-0.0739
51	100	Unbiased	2.4777	2.3894	-0.0883
52	100	Unbiased	2.4097	2.3286	-0.0811
53	0	Correlation	2.3972	2.3832	-0.014
54	0	Correlation	2.4079	2.3933	-0.0146
55	0	Correlation	2.3951	2.382	-0.0131
56	0	Correlation	2.4369	2.4245	-0.0124

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	2.3951	2.4093	2.4369	0.019251	2.382	2.3958	2.4245	0.019825	-0.0146	-0.013525	-0.0124	0.00097082
3	2.3594	2.3836	2.4097	0.019719	2.339	2.3687	2.3982	0.021395	-0.0237	-0.01491	-0.0049	0.0075505
10	2.3924	2.4152	2.4479	0.016223	2.3255	2.3671	2.4086	0.028528	-0.0778	-0.04812	-0.0183	0.028197
30	2.378	2.4046	2.4463	0.01884	2.2385	2.3089	2.3994	0.058745	-0.1529	-0.09572	-0.0378	0.055412
50	2.3908	2.4076	2.4256	0.011161	2.2085	2.2839	2.3527	0.065401	-0.192	-0.1237	-0.0573	0.068363
100	2.389	2.4204	2.4777	0.026979	2.156	2.2535	2.3894	0.088505	-0.2556	-0.16689	-0.0739	0.090083

Device Test: 6.76; VOL_WDO_2MA





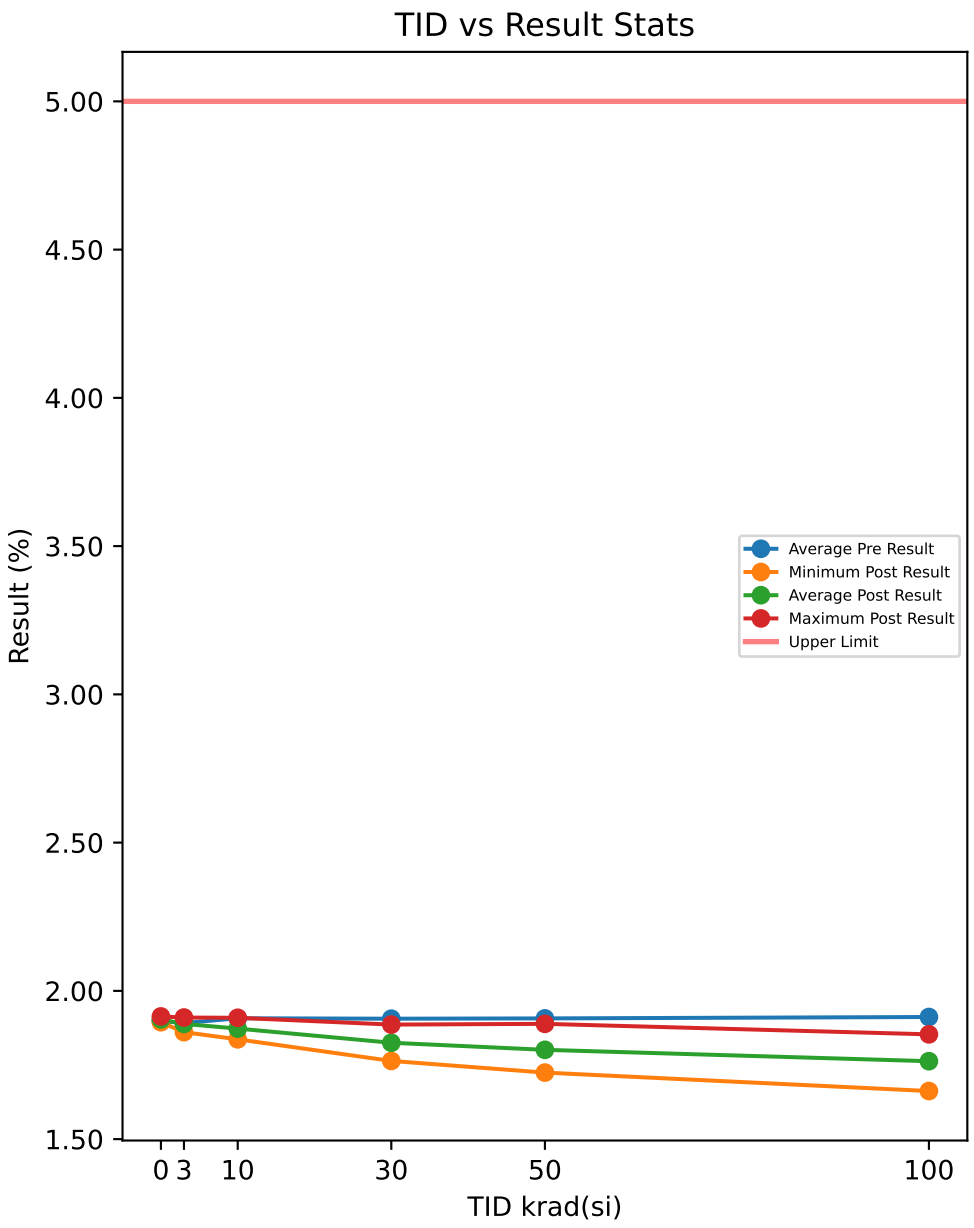
Test Results (Upper Limit = 5.0 (%))

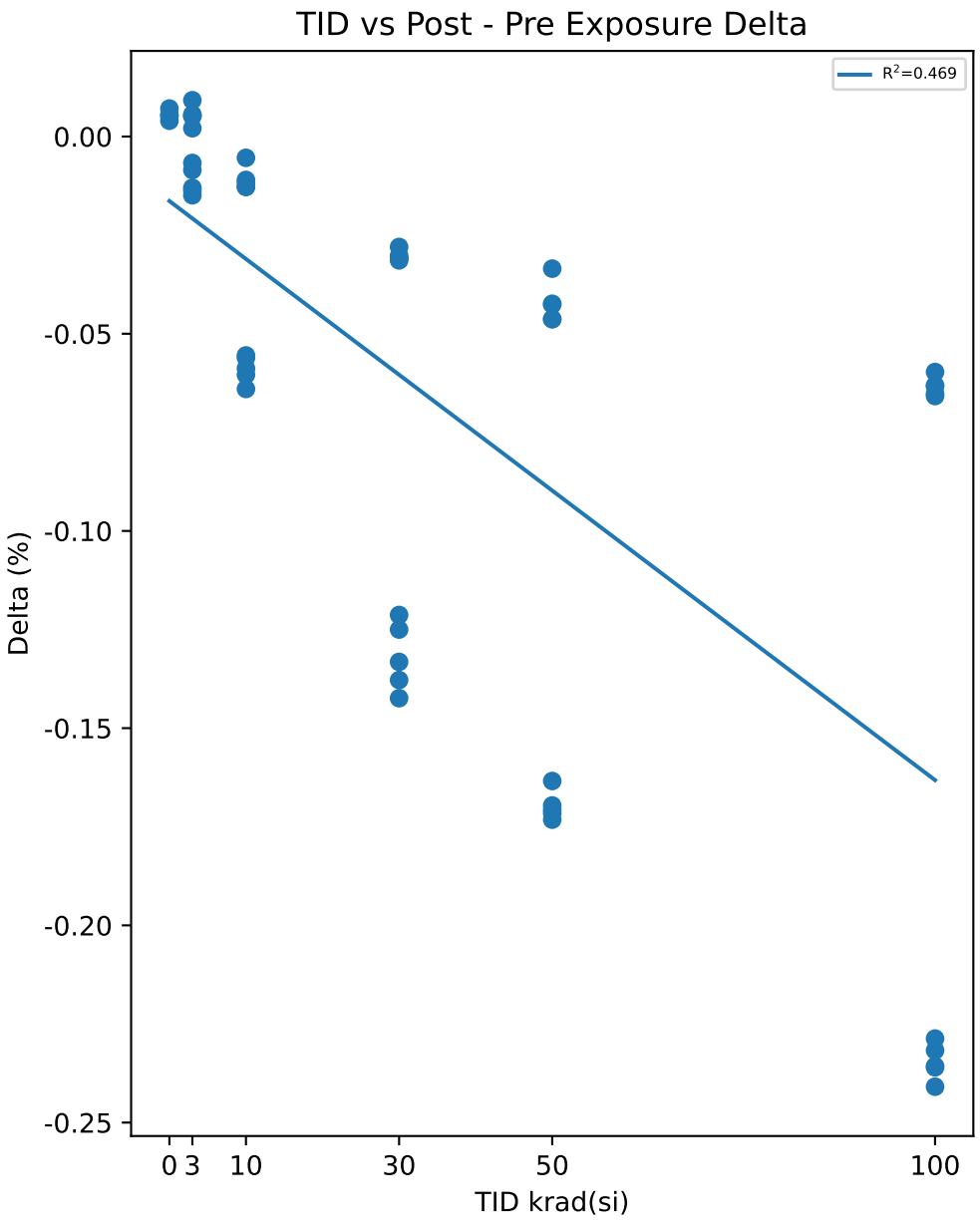
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.8912	1.8807	-0.0105
3	3	Biased	1.921	1.9012	-0.0198
4	3	Biased	1.8918	1.8719	-0.0199
5	3	Biased	1.9092	1.8917	-0.0175
6	3	Biased	1.9143	1.8926	-0.0217
7	3	Unbiased	1.918	1.9152	-0.0028
8	3	Unbiased	1.9113	1.9134	0.0021
9	3	Unbiased	1.9348	1.9293	-0.0055
10	3	Unbiased	1.9159	1.9158	-0.0001
11	3	Unbiased	1.9101	1.9061	-0.004
12	10	Unbiased	1.9259	1.9146	-0.0113
13	10	Unbiased	1.9153	1.9061	-0.0092
14	10	Unbiased	1.9116	1.8935	-0.0181
15	10	Unbiased	1.9159	1.8978	-0.0181
16	10	Unbiased	1.9396	1.9198	-0.0198
17	10	Biased	1.9393	1.8691	-0.0702
18	10	Biased	1.9281	1.852	-0.0761
19	10	Biased	1.9241	1.856	-0.0681
20	10	Biased	1.929	1.8542	-0.0748
21	10	Biased	1.9201	1.852	-0.0681
22	30	Biased	1.9095	1.7738	-0.1357
23	30	Biased	1.9165	1.7803	-0.1362
24	30	Biased	1.914	1.7787	-0.1353
25	30	Biased	1.922	1.7809	-0.1411
26	30	Biased	1.9226	1.7873	-0.1353
27	30	Unbiased	1.9143	1.8816	-0.0327
28	30	Unbiased	1.9339	1.8984	-0.0355
29	30	Unbiased	1.9146	1.8786	-0.036
30	30	Unbiased	1.9034	1.8673	-0.0361
31	30	Unbiased	1.9381	1.9073	-0.0308
32	50	Biased	1.925	1.7476	-0.1774
33	50	Biased	1.9171	1.7482	-0.1689
34	50	Biased	1.9031	1.7302	-0.1729
35	50	Biased	1.9262	1.7479	-0.1783
36	50	Biased	1.9393	1.7677	-0.1716
37	50	Unbiased	1.9113	1.863	-0.0483
39	50	Unbiased	1.9241	1.8703	-0.0538
40	50	Unbiased	1.929	1.874	-0.055
41	50	Unbiased	1.9342	1.8822	-0.052
42	50	Unbiased	1.9366	1.881	-0.0556
43	100	Biased	1.9476	1.71	-0.2376
44	100	Biased	1.9229	1.6822	-0.2407
45	100	Biased	1.932	1.6926	-0.2394
46	100	Biased	1.9384	1.7048	-0.2336
47	100	Biased	1.9491	1.7033	-0.2458
48	100	Unbiased	1.9168	1.8484	-0.0684
49	100	Unbiased	1.921	1.8493	-0.0717
50	100	Unbiased	1.9265	1.8563	-0.0702
51	100	Unbiased	1.9396	1.8664	-0.0732
52	100	Unbiased	1.9311	1.8578	-0.0733
53	0	Correlation	1.918	1.9207	0.0027
54	0	Correlation	1.9107	1.9061	-0.0046
55	0	Correlation	1.9156	1.9103	-0.0053
56	0	Correlation	1.9311	1.9351	0.004

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	1.9107	1.9188	1.9311	0.0087134	1.9061	1.9181	1.9351	0.012918	-0.0053	-0.0008	0.004	0.0048298
3	1.8912	1.9118	1.9348	0.01295	1.8719	1.9018	1.9293	0.017673	-0.0217	-0.00997	0.0021	0.0090673
10	1.9116	1.9249	1.9396	0.0095756	1.852	1.8815	1.9198	0.027623	-0.0761	-0.04338	-0.0092	0.029872
30	1.9034	1.9189	1.9381	0.01062	1.7738	1.8334	1.9073	0.0572	-0.1411	-0.08547	-0.0308	0.05407
50	1.9031	1.9246	1.9393	0.011402	1.7302	1.8112	1.8822	0.067088	-0.1783	-0.11338	-0.0483	0.063794
100	1.9168	1.9325	1.9491	0.011045	1.6822	1.7771	1.8664	0.083252	-0.2458	-0.15539	-0.0684	0.088636

Device Test: 6.77; VOL_PWRGD_2MA





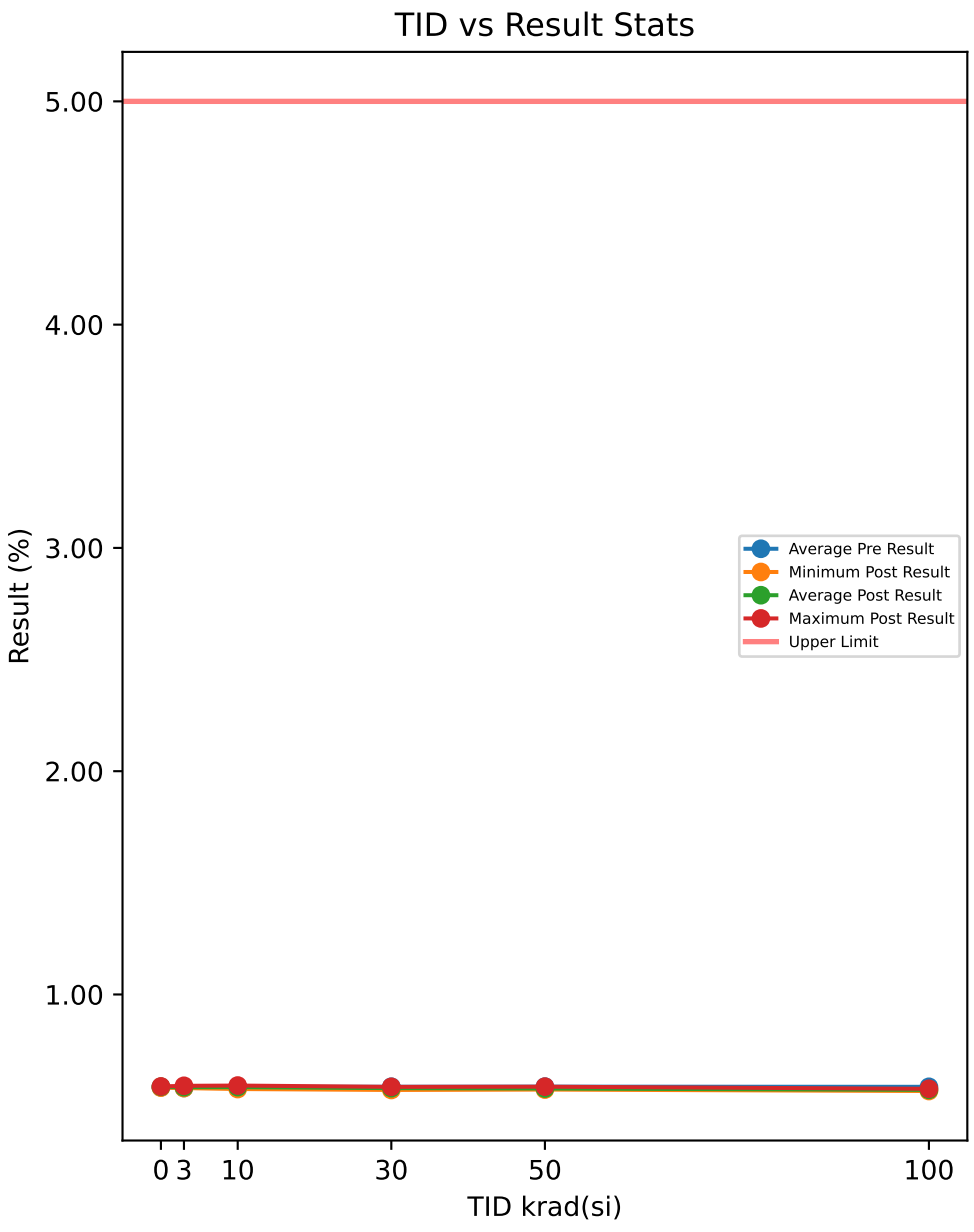
Test Results (Upper Limit = 5.0 (%))

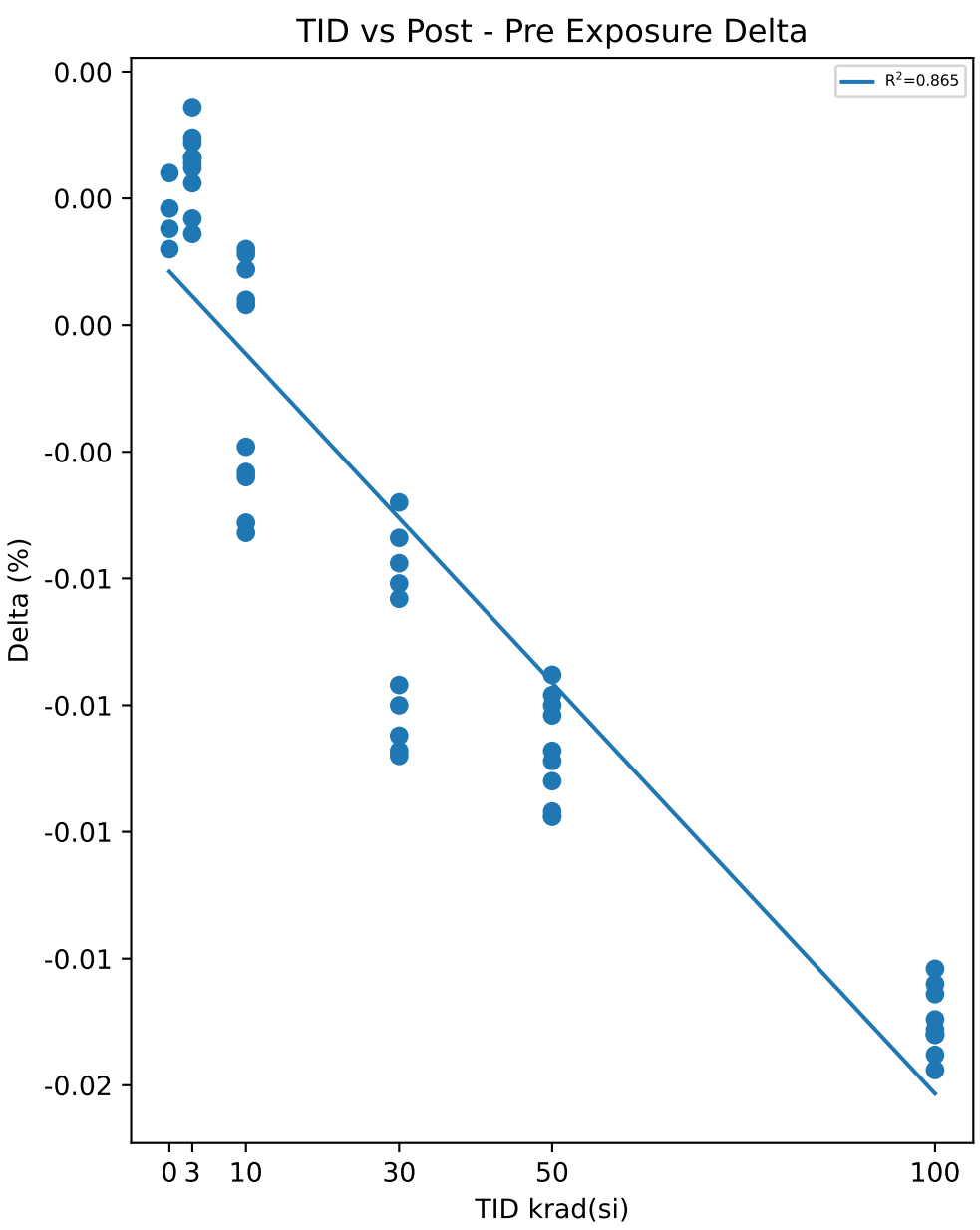
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.8814	1.8747	-0.0067
3	3	Biased	1.9003	1.8866	-0.0137
4	3	Biased	1.8756	1.8607	-0.0149
5	3	Biased	1.8927	1.8842	-0.0085
6	3	Biased	1.8832	1.8702	-0.013
7	3	Unbiased	1.897	1.8991	0.0021
8	3	Unbiased	1.8884	1.894	0.0056
9	3	Unbiased	1.9049	1.9101	0.0052
10	3	Unbiased	1.9003	1.9095	0.0092
11	3	Unbiased	1.8912	1.8964	0.0052
12	10	Unbiased	1.9195	1.9068	-0.0127
13	10	Unbiased	1.9202	1.9092	-0.011
14	10	Unbiased	1.8982	1.8866	-0.0116
15	10	Unbiased	1.9104	1.8976	-0.0128
16	10	Unbiased	1.9058	1.9004	-0.0054
17	10	Biased	1.9079	1.8491	-0.0588
18	10	Biased	1.8982	1.8378	-0.0604
19	10	Biased	1.9168	1.8613	-0.0555
20	10	Biased	1.9006	1.8366	-0.064
21	10	Biased	1.8988	1.8427	-0.0561
22	30	Biased	1.9015	1.7637	-0.1378
23	30	Biased	1.8973	1.7723	-0.125
24	30	Biased	1.9168	1.7836	-0.1332
25	30	Biased	1.9165	1.7741	-0.1424
26	30	Biased	1.8875	1.7662	-0.1213
27	30	Unbiased	1.9092	1.879	-0.0302
28	30	Unbiased	1.915	1.8836	-0.0314
29	30	Unbiased	1.8933	1.8653	-0.028
30	30	Unbiased	1.9073	1.8763	-0.031
31	30	Unbiased	1.9171	1.8863	-0.0308
32	50	Biased	1.9098	1.7366	-0.1732
33	50	Biased	1.904	1.7406	-0.1634
34	50	Biased	1.896	1.7244	-0.1716
35	50	Biased	1.8994	1.7287	-0.1707
36	50	Biased	1.9144	1.7448	-0.1696
37	50	Unbiased	1.8924	1.8589	-0.0335
39	50	Unbiased	1.9128	1.8702	-0.0426
40	50	Unbiased	1.9351	1.8888	-0.0463
41	50	Unbiased	1.9052	1.8589	-0.0463
42	50	Unbiased	1.9022	1.8598	-0.0424
43	100	Biased	1.9339	1.6979	-0.236
44	100	Biased	1.8979	1.6622	-0.2357
45	100	Biased	1.9031	1.6744	-0.2287
46	100	Biased	1.9299	1.6982	-0.2317
47	100	Biased	1.9208	1.6799	-0.2409
48	100	Unbiased	1.8991	1.836	-0.0631
49	100	Unbiased	1.9018	1.8385	-0.0633
50	100	Unbiased	1.911	1.8513	-0.0597
51	100	Unbiased	1.9018	1.8366	-0.0652
52	100	Unbiased	1.9192	1.8534	-0.0658
53	0	Correlation	1.9083	1.9135	0.0052
54	0	Correlation	1.8872	1.8943	0.0071
55	0	Correlation	1.8906	1.8946	0.004
56	0	Correlation	1.9083	1.9138	0.0055

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	1.8872	1.8986	1.9083	0.011286	1.8943	1.9041	1.9138	0.011086	0.004	0.00545	0.0071	0.0012767
3	1.8756	1.8915	1.9049	0.0094254	1.8607	1.8885	1.9101	0.016441	-0.0149	-0.00295	0.0092	0.0093292
10	1.8982	1.9076	1.9202	0.0088149	1.8366	1.8728	1.9092	0.030154	-0.064	-0.03483	-0.0054	0.02562
30	1.8875	1.9061	1.9171	0.010761	1.7637	1.825	1.8863	0.056431	-0.1424	-0.08111	-0.028	0.053904
50	1.8924	1.9071	1.9351	0.012078	1.7244	1.8012	1.8888	0.070481	-0.1732	-0.10596	-0.0335	0.067325
100	1.8979	1.9119	1.9339	0.013261	1.6622	1.7628	1.8534	0.085484	-0.2409	-0.14901	-0.0597	0.090287

Device Test: 6.78; VOL_RESET_2MA





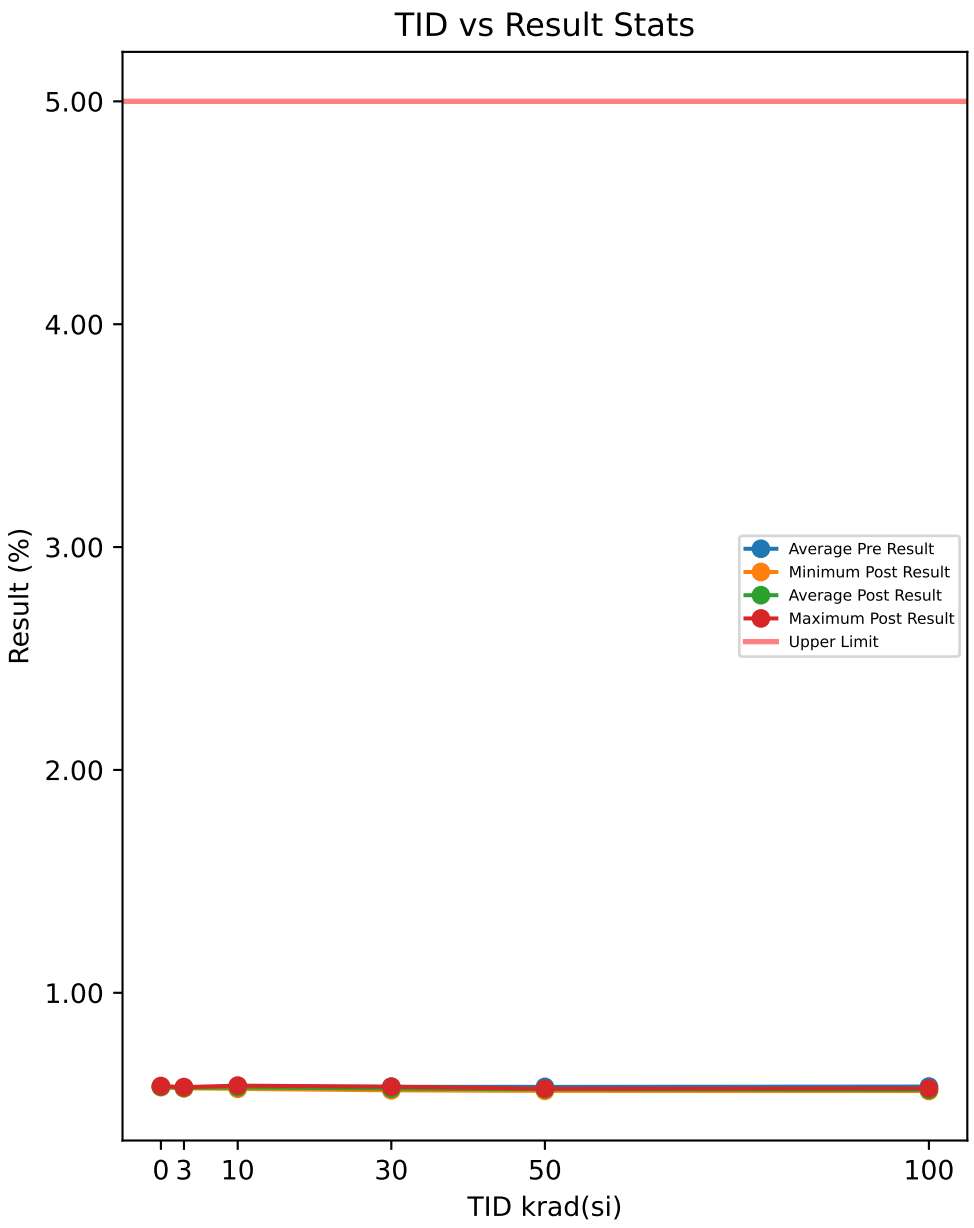
Test Results (Upper Limit = 5.0 (%))

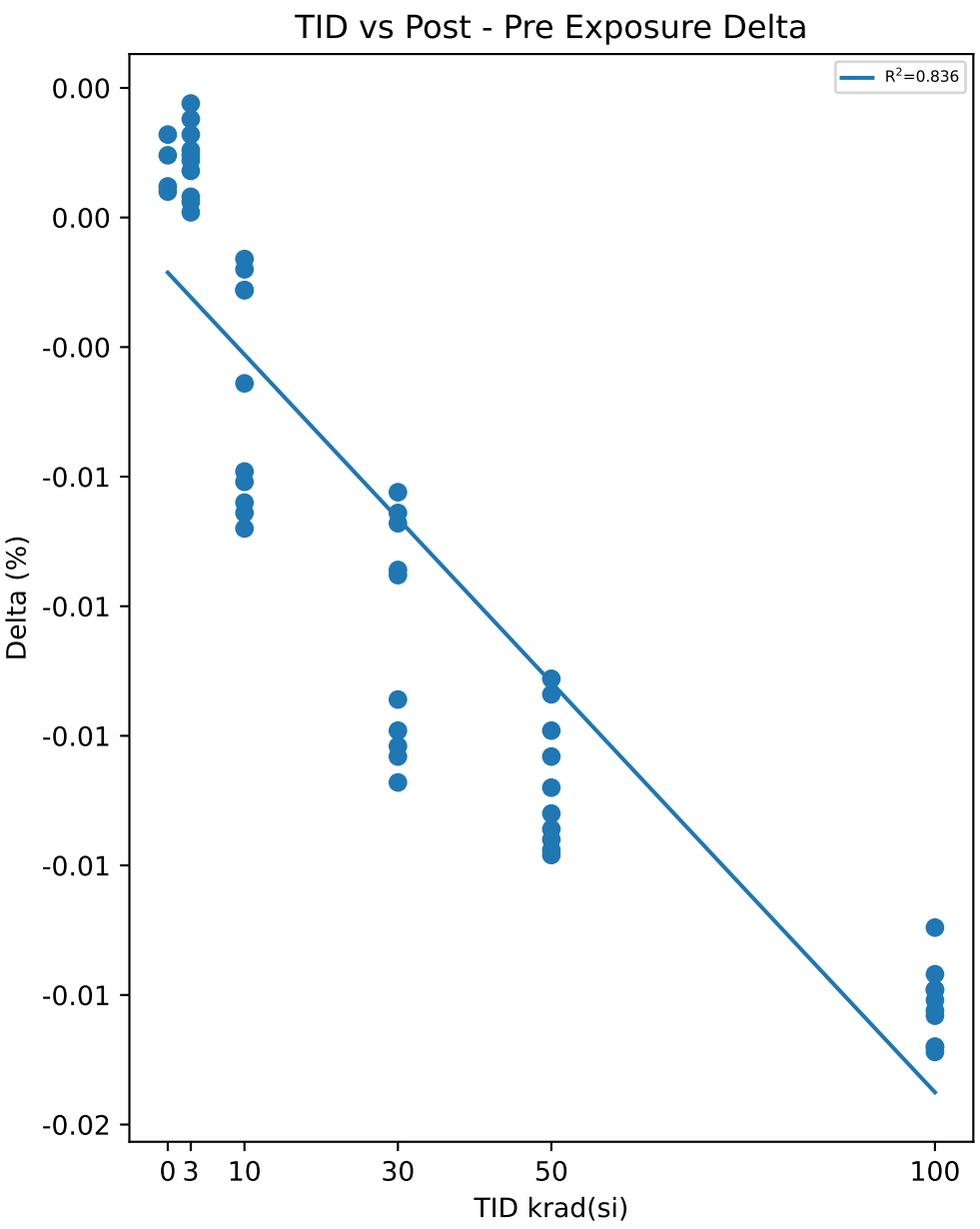
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.5815	0.5846	0.0031
3	3	Biased	0.5807	0.5828	0.0021
4	3	Biased	0.5789	0.5825	0.0036
5	3	Biased	0.5881	0.5909	0.0028
6	3	Biased	0.5788	0.5806	0.0018
7	3	Unbiased	0.5786	0.5829	0.0043
8	3	Unbiased	0.5824	0.5861	0.0037
9	3	Unbiased	0.5817	0.585	0.0033
10	3	Unbiased	0.5781	0.5813	0.0032
11	3	Unbiased	0.5861	0.5894	0.0033
12	10	Unbiased	0.5906	0.591	0.0004
13	10	Unbiased	0.587	0.5884	0.0014
14	10	Unbiased	0.5883	0.5894	0.0011
15	10	Unbiased	0.589	0.5895	0.0005
16	10	Unbiased	0.5811	0.5826	0.0015
17	10	Biased	0.5794	0.5764	-0.003
18	10	Biased	0.5812	0.5783	-0.0029
19	10	Biased	0.5945	0.5921	-0.0024
20	10	Biased	0.5821	0.578	-0.0041
21	10	Biased	0.5876	0.5837	-0.0039
22	30	Biased	0.5884	0.5803	-0.0081
23	30	Biased	0.5878	0.5793	-0.0085
24	30	Biased	0.5899	0.5828	-0.0071
25	30	Biased	0.5806	0.5722	-0.0084
26	30	Biased	0.5836	0.5761	-0.0075
27	30	Unbiased	0.5877	0.583	-0.0047
28	30	Unbiased	0.5897	0.5862	-0.0035
29	30	Unbiased	0.5867	0.5825	-0.0042
30	30	Unbiased	0.5845	0.5794	-0.0051
31	30	Unbiased	0.5876	0.5822	-0.0054
32	50	Biased	0.586	0.5763	-0.0097
33	50	Biased	0.583	0.574	-0.009
34	50	Biased	0.5867	0.5771	-0.0096
35	50	Biased	0.586	0.5774	-0.0086
36	50	Biased	0.5939	0.5842	-0.0097
37	50	Unbiased	0.5853	0.5769	-0.0084
39	50	Unbiased	0.5847	0.5778	-0.0069
40	50	Unbiased	0.5823	0.5748	-0.0075
41	50	Unbiased	0.5943	0.587	-0.0073
42	50	Unbiased	0.5896	0.5819	-0.0077
43	100	Biased	0.5811	0.5684	-0.0127
44	100	Biased	0.5819	0.5675	-0.0144
45	100	Biased	0.5918	0.5771	-0.0147
46	100	Biased	0.5846	0.5707	-0.0139
47	100	Biased	0.5867	0.5727	-0.014
48	100	Unbiased	0.5858	0.5726	-0.0132
49	100	Unbiased	0.5869	0.5732	-0.0137
50	100	Unbiased	0.5866	0.5736	-0.013
51	100	Unbiased	0.587	0.573	-0.014
52	100	Unbiased	0.5915	0.5775	-0.014
53	0	Correlation	0.5851	0.5881	0.003
54	0	Correlation	0.5856	0.5879	0.0023
55	0	Correlation	0.5809	0.5828	0.0019
56	0	Correlation	0.5864	0.5879	0.0015

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	0.5809	0.5845	0.5864	0.002459	0.5828	0.58667	0.5881	0.0025851	0.0015	0.002175	0.003	0.00063966
3	0.5781	0.58149	0.5881	0.0033371	0.5806	0.58461	0.5909	0.0033759	0.0018	0.00312	0.0043	0.00073907
10	0.5794	0.58608	0.5945	0.0049105	0.5764	0.58494	0.5921	0.0058958	-0.0041	-0.00114	0.0015	0.00231
30	0.5806	0.58665	0.5899	0.0029209	0.5722	0.5804	0.5862	0.0039688	-0.0085	-0.00625	-0.0035	0.0018739
50	0.5823	0.58718	0.5943	0.0041593	0.574	0.57874	0.587	0.0042259	-0.0097	-0.00844	-0.0069	0.0010522
100	0.5811	0.58639	0.5918	0.0034617	0.5675	0.57263	0.5775	0.0032153	-0.0147	-0.01376	-0.0127	0.00062397

Device Test: 6.79; VOL_RESET_2MA





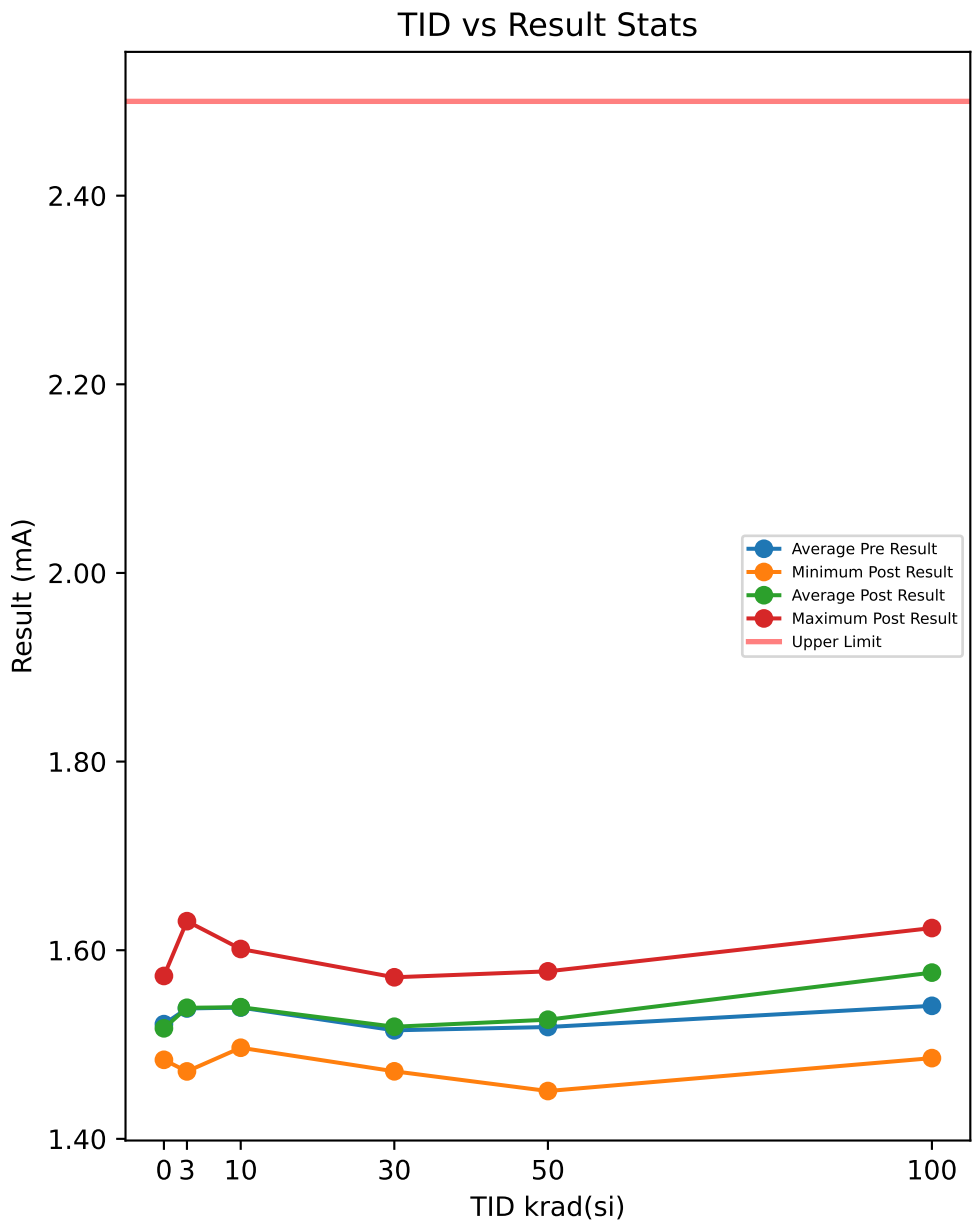
Test Results (Upper Limit = 5.0 (%))

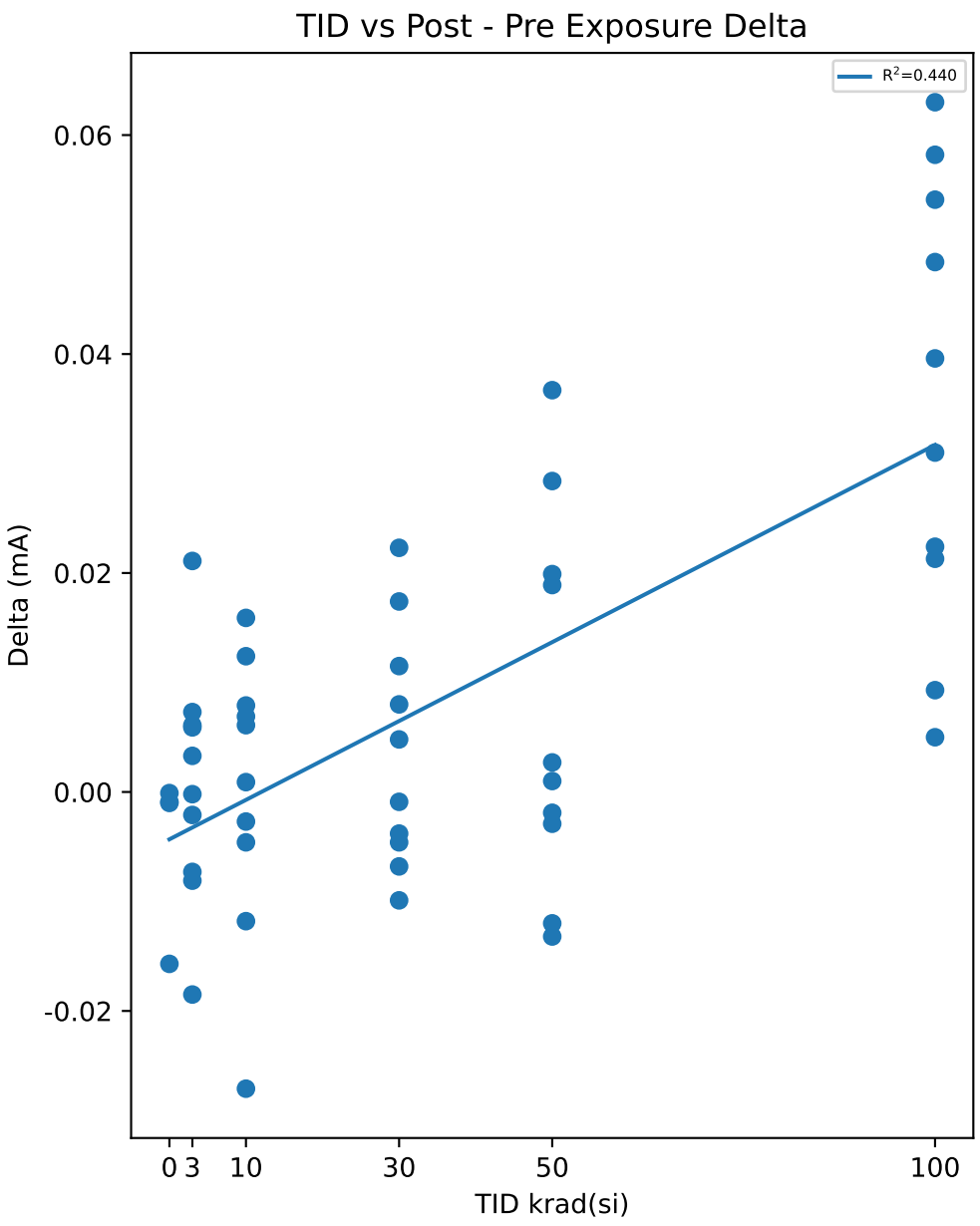
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.57	0.5719	0.0019
3	3	Biased	0.5755	0.5768	0.0013
4	3	Biased	0.5732	0.5733	0.0001
5	3	Biased	0.5747	0.575	0.0003
6	3	Biased	0.5731	0.574	0.0009
7	3	Unbiased	0.572	0.5736	0.0016
8	3	Unbiased	0.5701	0.5712	0.0011
9	3	Unbiased	0.5732	0.5736	0.0004
10	3	Unbiased	0.5725	0.5747	0.0022
11	3	Unbiased	0.5758	0.577	0.0012
12	10	Unbiased	0.5778	0.5768	-0.001
13	10	Unbiased	0.5804	0.5796	-0.0008
14	10	Unbiased	0.5799	0.5767	-0.0032
15	10	Unbiased	0.5755	0.5741	-0.0014
16	10	Unbiased	0.5803	0.5789	-0.0014
17	10	Biased	0.577	0.5721	-0.0049
18	10	Biased	0.5806	0.5751	-0.0055
19	10	Biased	0.5886	0.5835	-0.0051
20	10	Biased	0.5748	0.5688	-0.006
21	10	Biased	0.579	0.5733	-0.0057
22	30	Biased	0.5801	0.5699	-0.0102
23	30	Biased	0.58	0.5691	-0.0109
24	30	Biased	0.5785	0.5686	-0.0099
25	30	Biased	0.5725	0.5621	-0.0104
26	30	Biased	0.5757	0.5664	-0.0093
27	30	Unbiased	0.5785	0.5728	-0.0057
28	30	Unbiased	0.5774	0.5715	-0.0059
29	30	Unbiased	0.5758	0.5705	-0.0053
30	30	Unbiased	0.5769	0.57	-0.0069
31	30	Unbiased	0.5855	0.5787	-0.0068
32	50	Biased	0.5786	0.5663	-0.0123
33	50	Biased	0.5714	0.5599	-0.0115
34	50	Biased	0.5775	0.5653	-0.0122
35	50	Biased	0.5812	0.5692	-0.012
36	50	Biased	0.5815	0.5697	-0.0118
37	50	Unbiased	0.5754	0.5662	-0.0092
39	50	Unbiased	0.579	0.568	-0.011
40	50	Unbiased	0.5795	0.5696	-0.0099
41	50	Unbiased	0.5778	0.5674	-0.0104
42	50	Unbiased	0.5768	0.5679	-0.0089
43	100	Biased	0.583	0.5669	-0.0161
44	100	Biased	0.5764	0.5604	-0.016
45	100	Biased	0.5796	0.5643	-0.0153
46	100	Biased	0.5808	0.5648	-0.016
47	100	Biased	0.5815	0.5664	-0.0151
48	100	Unbiased	0.5754	0.5605	-0.0149
49	100	Unbiased	0.5746	0.5592	-0.0154
50	100	Unbiased	0.5766	0.562	-0.0146
51	100	Unbiased	0.5859	0.571	-0.0149
52	100	Unbiased	0.5797	0.566	-0.0137
53	0	Correlation	0.5756	0.5768	0.0012
54	0	Correlation	0.5782	0.5788	0.0006
55	0	Correlation	0.576	0.5776	0.0016
56	0	Correlation	0.5811	0.5816	0.0005

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	0.5756	0.57773	0.5811	0.0025237	0.5768	0.5787	0.5816	0.0021008	0.0005	0.000975	0.0016	0.00051881
3	0.57	0.57301	0.5758	0.0019925	0.5712	0.57411	0.577	0.001864	0.0001	0.0011	0.0022	0.00069282
10	0.5748	0.57939	0.5886	0.003844	0.5688	0.57589	0.5835	0.0041818	-0.006	-0.0035	-0.0008	0.0021618
30	0.5725	0.57809	0.5855	0.0034485	0.5621	0.56996	0.5787	0.0042709	-0.0109	-0.00813	-0.0053	0.0022056
50	0.5714	0.57787	0.5815	0.0029436	0.5599	0.56695	0.5697	0.0028918	-0.0123	-0.01092	-0.0089	0.001255
100	0.5746	0.57935	0.5859	0.0036142	0.5592	0.56415	0.571	0.0036503	-0.0161	-0.0152	-0.0137	0.00074087

Device Test: 6.8; IQ





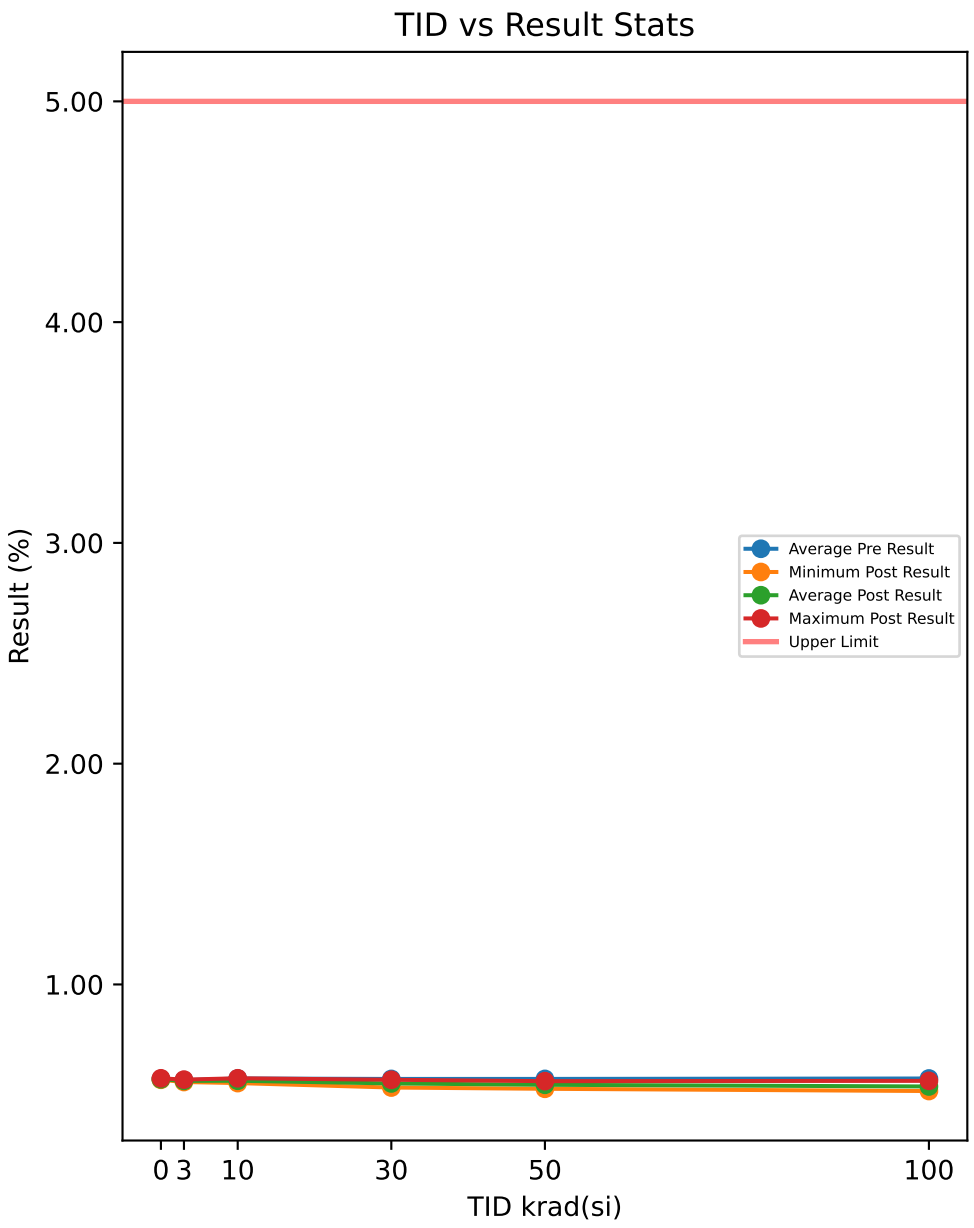
Test Results (Upper Limit = 2.5 (mA))

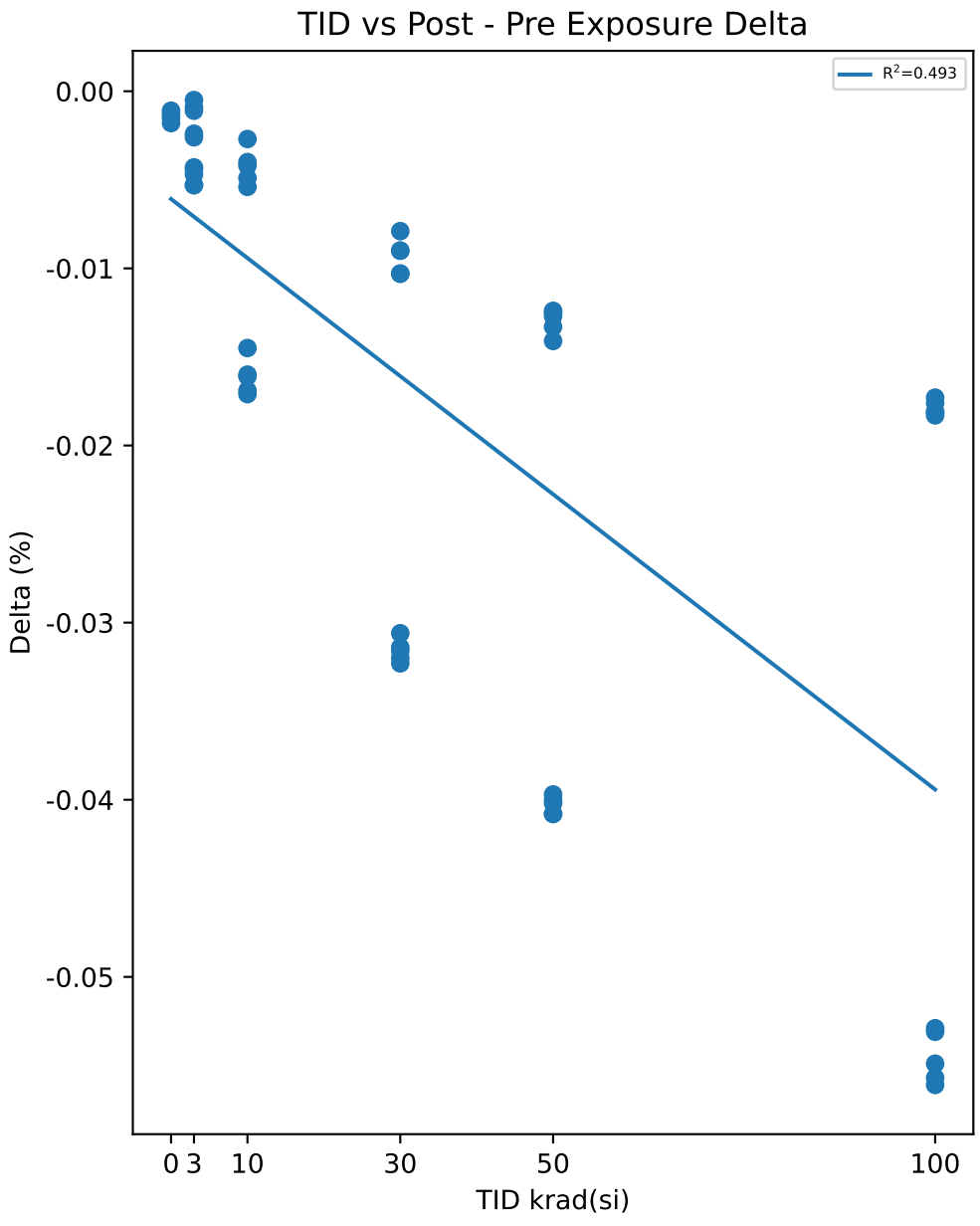
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.5027	1.51	0.0073
3	3	Biased	1.5778	1.5757	-0.0021
4	3	Biased	1.5027	1.506	0.0033
5	3	Biased	1.6097	1.6308	0.0211
6	3	Biased	1.5568	1.5383	-0.0185
7	3	Unbiased	1.4861	1.4788	-0.0073
8	3	Unbiased	1.5216	1.5275	0.0059
9	3	Unbiased	1.5468	1.5529	0.0061
10	3	Unbiased	1.4796	1.4715	-0.0081
11	3	Unbiased	1.5984	1.5982	-0.0002
12	10	Unbiased	1.5237	1.4966	-0.0271
13	10	Unbiased	1.5802	1.5684	-0.0118
14	10	Unbiased	1.4991	1.507	0.0079
15	10	Unbiased	1.4962	1.5023	0.0061
16	10	Unbiased	1.5235	1.5304	0.0069
17	10	Biased	1.57	1.5673	-0.0027
18	10	Biased	1.6004	1.6013	0.0009
19	10	Biased	1.5142	1.5301	0.0159
20	10	Biased	1.5525	1.5479	-0.0046
21	10	Biased	1.5323	1.5447	0.0124
22	30	Biased	1.5633	1.5713	0.008
23	30	Biased	1.5074	1.5065	-0.0009
24	30	Biased	1.5222	1.5176	-0.0046
25	30	Biased	1.5425	1.5473	0.0048
26	30	Biased	1.5032	1.4933	-0.0099
27	30	Unbiased	1.4754	1.4716	-0.0038
28	30	Unbiased	1.4835	1.5058	0.0223
29	30	Unbiased	1.4907	1.5022	0.0115
30	30	Unbiased	1.4951	1.5125	0.0174
31	30	Unbiased	1.5674	1.5606	-0.0068
32	50	Biased	1.5165	1.5532	0.0367
33	50	Biased	1.5229	1.5109	-0.012
34	50	Biased	1.5294	1.5304	0.001
35	50	Biased	1.5854	1.5722	-0.0132
36	50	Biased	1.5265	1.5454	0.0189
37	50	Unbiased	1.5248	1.5275	0.0027
39	50	Unbiased	1.5137	1.5118	-0.0019
40	50	Unbiased	1.4536	1.4507	-0.0029
41	50	Unbiased	1.4637	1.4836	0.0199
42	50	Unbiased	1.5492	1.5776	0.0284
43	100	Biased	1.5262	1.5572	0.031
44	100	Biased	1.5416	1.6046	0.063
45	100	Biased	1.583	1.6054	0.0224
46	100	Biased	1.4806	1.4856	0.005
47	100	Biased	1.5658	1.5751	0.0093
48	100	Unbiased	1.5401	1.5942	0.0541
49	100	Unbiased	1.5586	1.607	0.0484
50	100	Unbiased	1.5224	1.5806	0.0582
51	100	Unbiased	1.5839	1.6235	0.0396
52	100	Unbiased	1.5081	1.5294	0.0213
53	0	Correlation	1.5153	1.5144	-0.0009
54	0	Correlation	1.4848	1.4838	-0.001
55	0	Correlation	1.5136	1.4979	-0.0157
56	0	Correlation	1.5728	1.5727	-0.0001

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	1.4848	1.5216	1.5728	0.036875	1.4838	1.5172	1.5727	0.039056	-0.0157	-0.004425	-0.0001	0.0075274
3	1.4796	1.5382	1.6097	0.046748	1.4715	1.539	1.6308	0.051332	-0.0185	0.00075	0.0211	0.010757
10	1.4962	1.5392	1.6004	0.035227	1.4966	1.5396	1.6013	0.033294	-0.0271	0.00039	0.0159	0.012716
30	1.4754	1.5151	1.5674	0.032712	1.4716	1.5189	1.5713	0.031324	-0.0099	0.0038	0.0223	0.01083
50	1.4536	1.5186	1.5854	0.037862	1.4507	1.5263	1.5776	0.039202	-0.0132	0.00776	0.0367	0.017137
100	1.4806	1.541	1.5839	0.033042	1.4856	1.5763	1.6235	0.042097	0.005	0.03523	0.063	0.020576

Device Test: 6.80; VOL_RESET_2MA





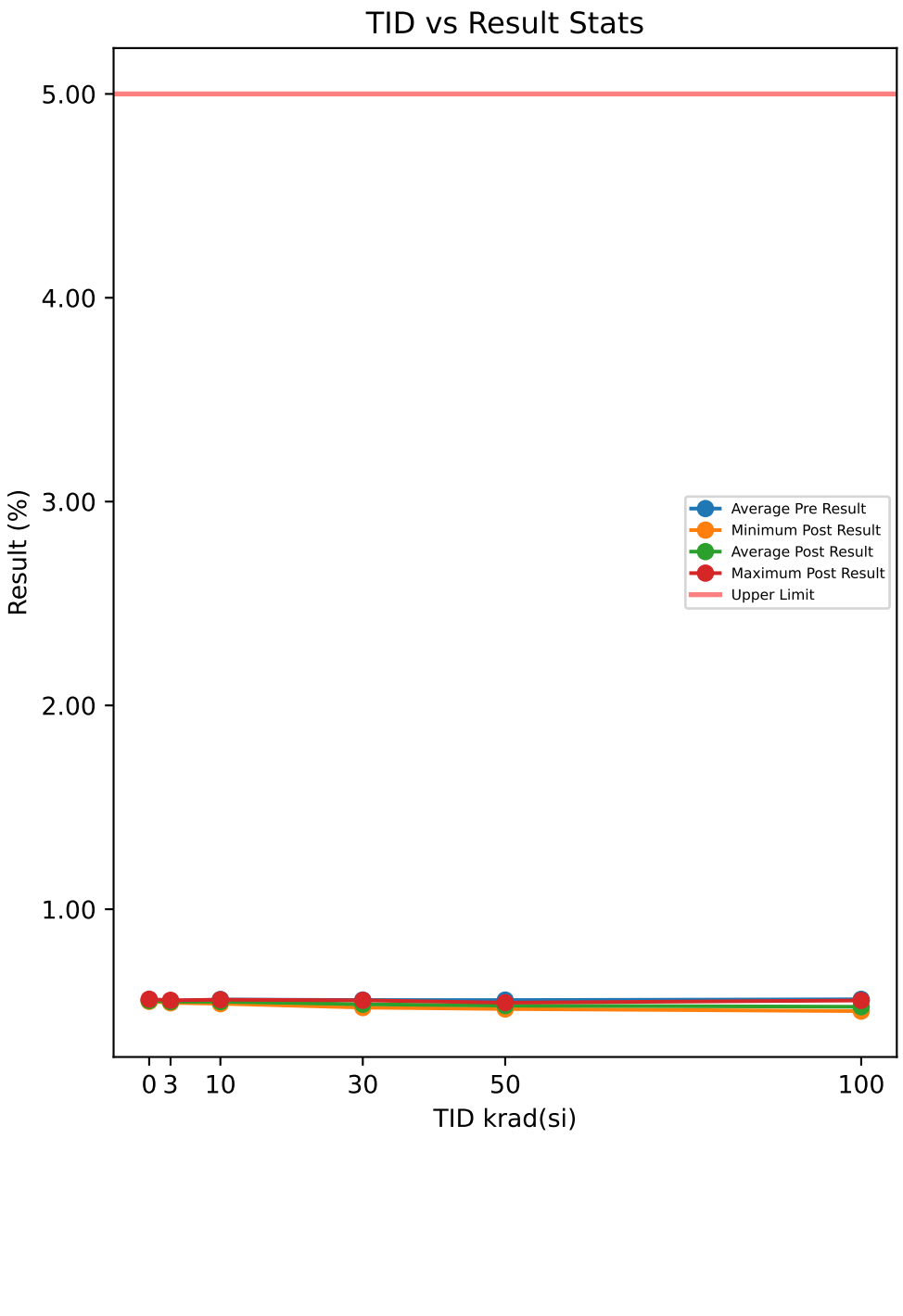
Test Results (Upper Limit = 5.0 (%))

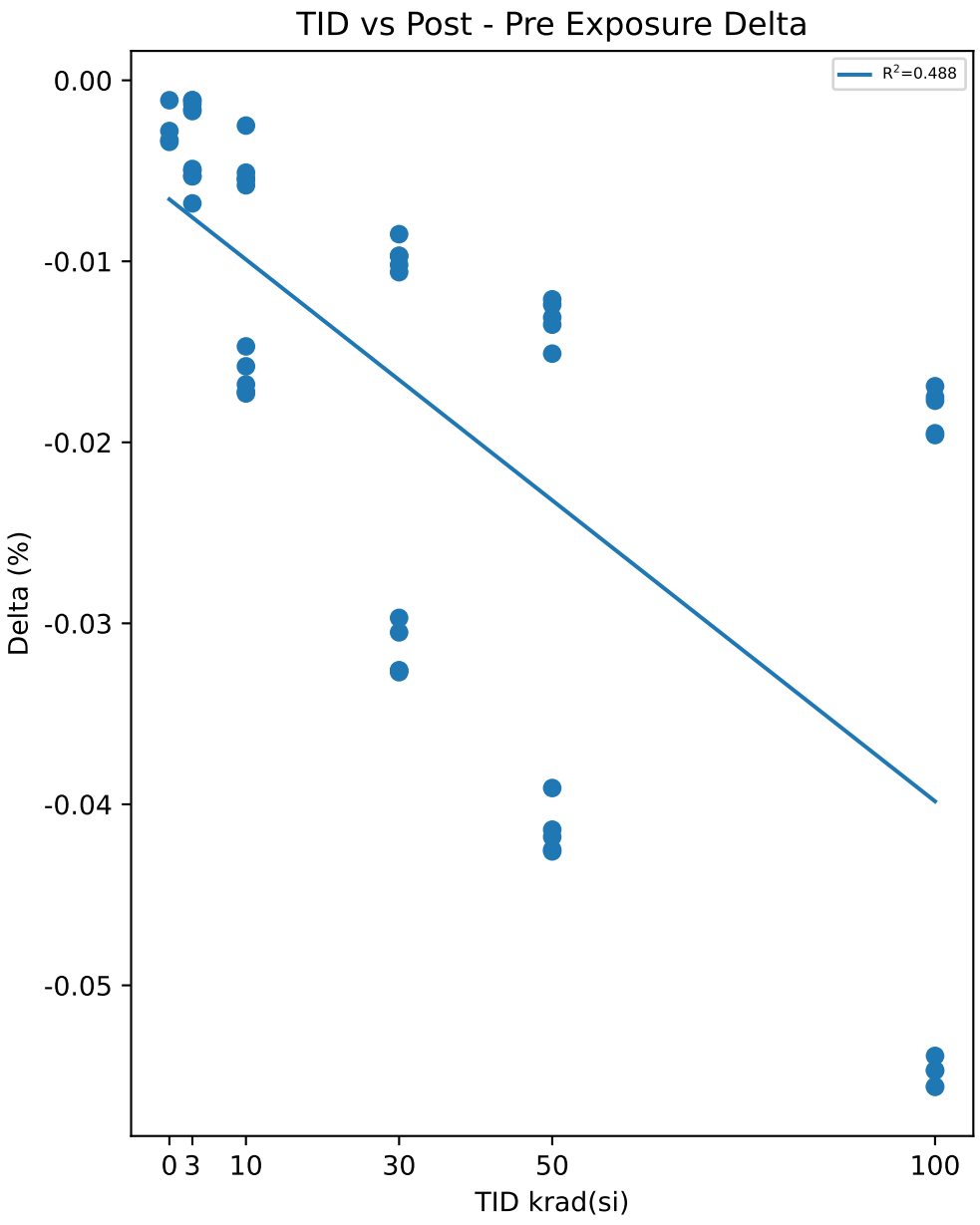
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.5629	0.5582	-0.0047
3	3	Biased	0.5705	0.5652	-0.0053
4	3	Biased	0.5632	0.5589	-0.0043
5	3	Biased	0.5702	0.5658	-0.0044
6	3	Biased	0.5633	0.558	-0.0053
7	3	Unbiased	0.5624	0.5613	-0.0011
8	3	Unbiased	0.5654	0.5645	-0.0009
9	3	Unbiased	0.5694	0.5689	-0.0005
10	3	Unbiased	0.5657	0.5633	-0.0024
11	3	Unbiased	0.5703	0.5677	-0.0026
12	10	Unbiased	0.574	0.5691	-0.0049
13	10	Unbiased	0.5777	0.575	-0.0027
14	10	Unbiased	0.5708	0.5666	-0.0042
15	10	Unbiased	0.5729	0.5675	-0.0054
16	10	Unbiased	0.5737	0.5697	-0.004
17	10	Biased	0.5729	0.5568	-0.0161
18	10	Biased	0.5738	0.5569	-0.0169
19	10	Biased	0.5822	0.5651	-0.0171
20	10	Biased	0.5692	0.5532	-0.016
21	10	Biased	0.5722	0.5577	-0.0145
22	30	Biased	0.5749	0.5426	-0.0323
23	30	Biased	0.5745	0.5439	-0.0306
24	30	Biased	0.573	0.5414	-0.0316
25	30	Biased	0.565	0.533	-0.032
26	30	Biased	0.5717	0.5403	-0.0314
27	30	Unbiased	0.5727	0.5624	-0.0103
28	30	Unbiased	0.5694	0.5615	-0.0079
29	30	Unbiased	0.5693	0.559	-0.0103
30	30	Unbiased	0.5726	0.5636	-0.009
31	30	Unbiased	0.5772	0.5682	-0.009
32	50	Biased	0.5718	0.5321	-0.0397
33	50	Biased	0.5675	0.5273	-0.0402
34	50	Biased	0.5703	0.5303	-0.04
35	50	Biased	0.5768	0.536	-0.0408
36	50	Biased	0.575	0.5342	-0.0408
37	50	Unbiased	0.5695	0.557	-0.0125
39	50	Unbiased	0.5716	0.5575	-0.0141
40	50	Unbiased	0.5743	0.5619	-0.0124
41	50	Unbiased	0.573	0.5597	-0.0133
42	50	Unbiased	0.5714	0.5587	-0.0127
43	100	Biased	0.5807	0.525	-0.0557
44	100	Biased	0.5733	0.5172	-0.0561
45	100	Biased	0.5734	0.5205	-0.0529
46	100	Biased	0.5739	0.5208	-0.0531
47	100	Biased	0.5745	0.5196	-0.0549
48	100	Unbiased	0.5691	0.5508	-0.0183
49	100	Unbiased	0.5703	0.5522	-0.0181
50	100	Unbiased	0.5698	0.5525	-0.0173
51	100	Unbiased	0.5814	0.5633	-0.0181
52	100	Unbiased	0.5741	0.5565	-0.0176
53	0	Correlation	0.5696	0.5683	-0.0013
54	0	Correlation	0.5727	0.5709	-0.0018
55	0	Correlation	0.5696	0.5681	-0.0015
56	0	Correlation	0.576	0.5749	-0.0011

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	0.5696	0.57198	0.576	0.0030555	0.5681	0.57055	0.5749	0.0031681	-0.0018	-0.001425	-0.0011	0.00029861
3	0.5624	0.56633	0.5705	0.0034157	0.558	0.56318	0.5689	0.0039347	-0.0053	-0.00315	-0.0005	0.0018763
10	0.5692	0.57394	0.5822	0.0036509	0.5532	0.56376	0.575	0.0071315	-0.0171	-0.01018	-0.0027	0.0063356
30	0.565	0.57203	0.5772	0.0034429	0.533	0.55159	0.5682	0.012503	-0.0323	-0.02044	-0.0079	0.01177
50	0.5675	0.57212	0.5768	0.0027515	0.5273	0.54547	0.5619	0.014456	-0.0408	-0.02665	-0.0124	0.0144
100	0.5691	0.57405	0.5814	0.0041645	0.5172	0.53784	0.5633	0.01856	-0.0561	-0.03621	-0.0173	0.019348

Device Test: 6.81; VOL_RESET_2MA





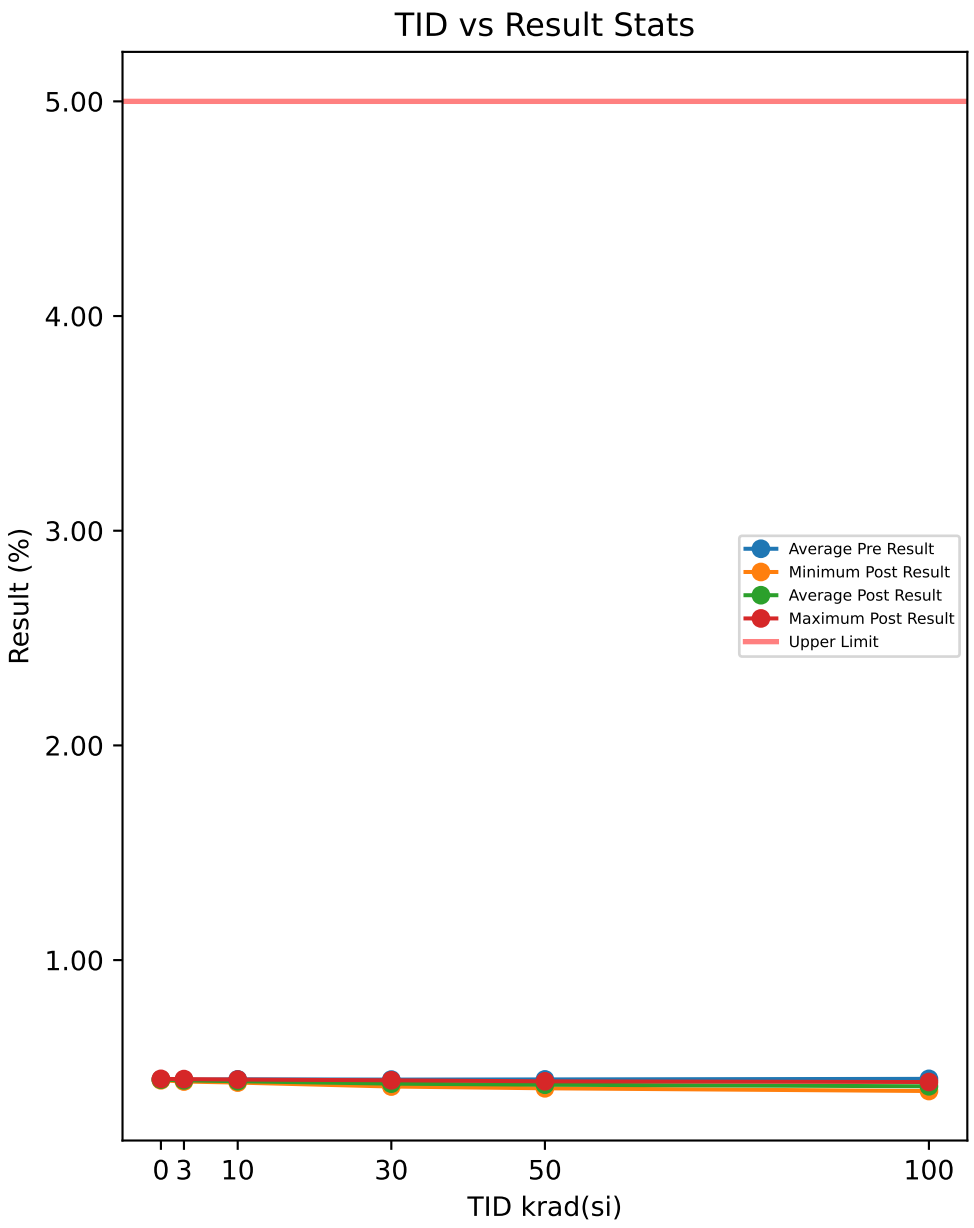
Test Results (Upper Limit = 5.0 (%))

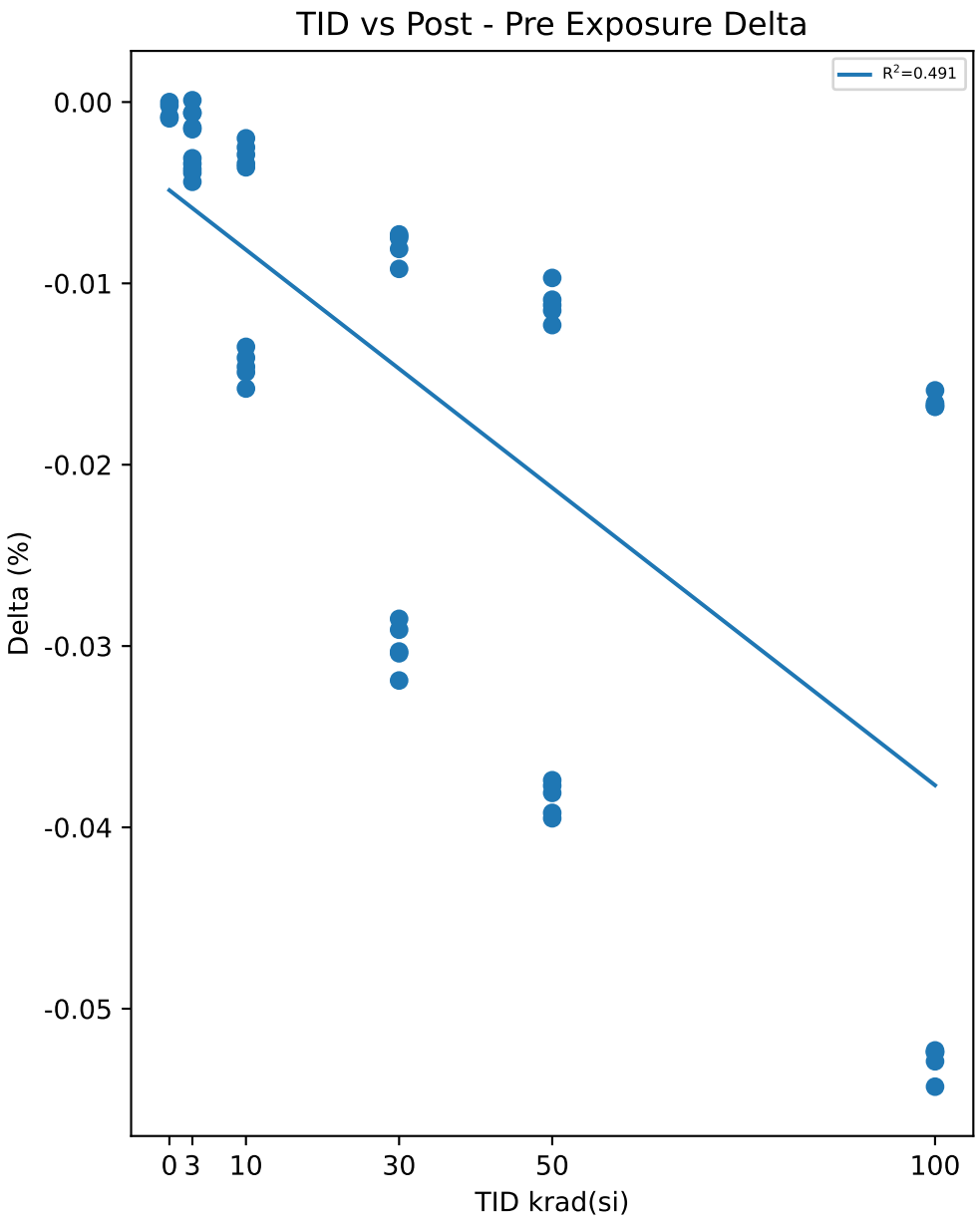
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.5486	0.5418	-0.0068
3	3	Biased	0.556	0.5507	-0.0053
4	3	Biased	0.5462	0.5413	-0.0049
5	3	Biased	0.5536	0.5486	-0.005
6	3	Biased	0.5463	0.541	-0.0053
7	3	Unbiased	0.5442	0.5431	-0.0011
8	3	Unbiased	0.5468	0.5452	-0.0016
9	3	Unbiased	0.5537	0.552	-0.0017
10	3	Unbiased	0.5481	0.5468	-0.0013
11	3	Unbiased	0.5543	0.5532	-0.0011
12	10	Unbiased	0.5569	0.5515	-0.0054
13	10	Unbiased	0.5573	0.5548	-0.0025
14	10	Unbiased	0.5542	0.5484	-0.0058
15	10	Unbiased	0.5523	0.5468	-0.0055
16	10	Unbiased	0.5612	0.5561	-0.0051
17	10	Biased	0.559	0.5422	-0.0168
18	10	Biased	0.5571	0.5413	-0.0158
19	10	Biased	0.5615	0.5468	-0.0147
20	10	Biased	0.5538	0.5365	-0.0173
21	10	Biased	0.5561	0.5389	-0.0172
22	30	Biased	0.5563	0.5237	-0.0326
23	30	Biased	0.5577	0.525	-0.0327
24	30	Biased	0.5527	0.523	-0.0297
25	30	Biased	0.5502	0.5176	-0.0326
26	30	Biased	0.5511	0.5206	-0.0305
27	30	Unbiased	0.5542	0.5445	-0.0097
28	30	Unbiased	0.5548	0.5463	-0.0085
29	30	Unbiased	0.5505	0.5408	-0.0097
30	30	Unbiased	0.5535	0.5429	-0.0106
31	30	Unbiased	0.5633	0.5531	-0.0102
32	50	Biased	0.5557	0.5143	-0.0414
33	50	Biased	0.5506	0.5115	-0.0391
34	50	Biased	0.5532	0.5106	-0.0426
35	50	Biased	0.5595	0.517	-0.0425
36	50	Biased	0.5569	0.5151	-0.0418
37	50	Unbiased	0.55	0.5379	-0.0121
39	50	Unbiased	0.555	0.5415	-0.0135
40	50	Unbiased	0.553	0.5406	-0.0124
41	50	Unbiased	0.5555	0.5404	-0.0151
42	50	Unbiased	0.5535	0.5404	-0.0131
43	100	Biased	0.5629	0.5082	-0.0547
44	100	Biased	0.5557	0.5001	-0.0556
45	100	Biased	0.5564	0.5017	-0.0547
46	100	Biased	0.557	0.5031	-0.0539
47	100	Biased	0.5624	0.5068	-0.0556
48	100	Unbiased	0.5504	0.5335	-0.0169
49	100	Unbiased	0.5562	0.5366	-0.0196
50	100	Unbiased	0.5516	0.5341	-0.0175
51	100	Unbiased	0.5719	0.5524	-0.0195
52	100	Unbiased	0.5555	0.5378	-0.0177
53	0	Correlation	0.5521	0.5488	-0.0033
54	0	Correlation	0.5527	0.5516	-0.0011
55	0	Correlation	0.5514	0.548	-0.0034
56	0	Correlation	0.5614	0.5586	-0.0028

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	0.5514	0.5544	0.5614	0.0046968	0.548	0.55175	0.5586	0.0048204	-0.0034	-0.00265	-0.0011	0.0010661
3	0.5442	0.54978	0.556	0.0041931	0.541	0.54637	0.5532	0.0045916	-0.0068	-0.00341	-0.0011	0.0022288
10	0.5523	0.55694	0.5615	0.0030358	0.5365	0.54633	0.5561	0.0066067	-0.0173	-0.01061	-0.0025	0.0061706
30	0.5502	0.55443	0.5633	0.0039629	0.5176	0.53375	0.5531	0.012943	-0.0327	-0.02068	-0.0085	0.011582
50	0.55	0.55429	0.5595	0.002856	0.5106	0.52693	0.5415	0.014084	-0.0426	-0.02736	-0.0121	0.014935
100	0.5504	0.558	0.5719	0.0062684	0.5001	0.52143	0.5524	0.019243	-0.0556	-0.03657	-0.0169	0.019345

Device Test: 6.82; VOL_WDO_2MA





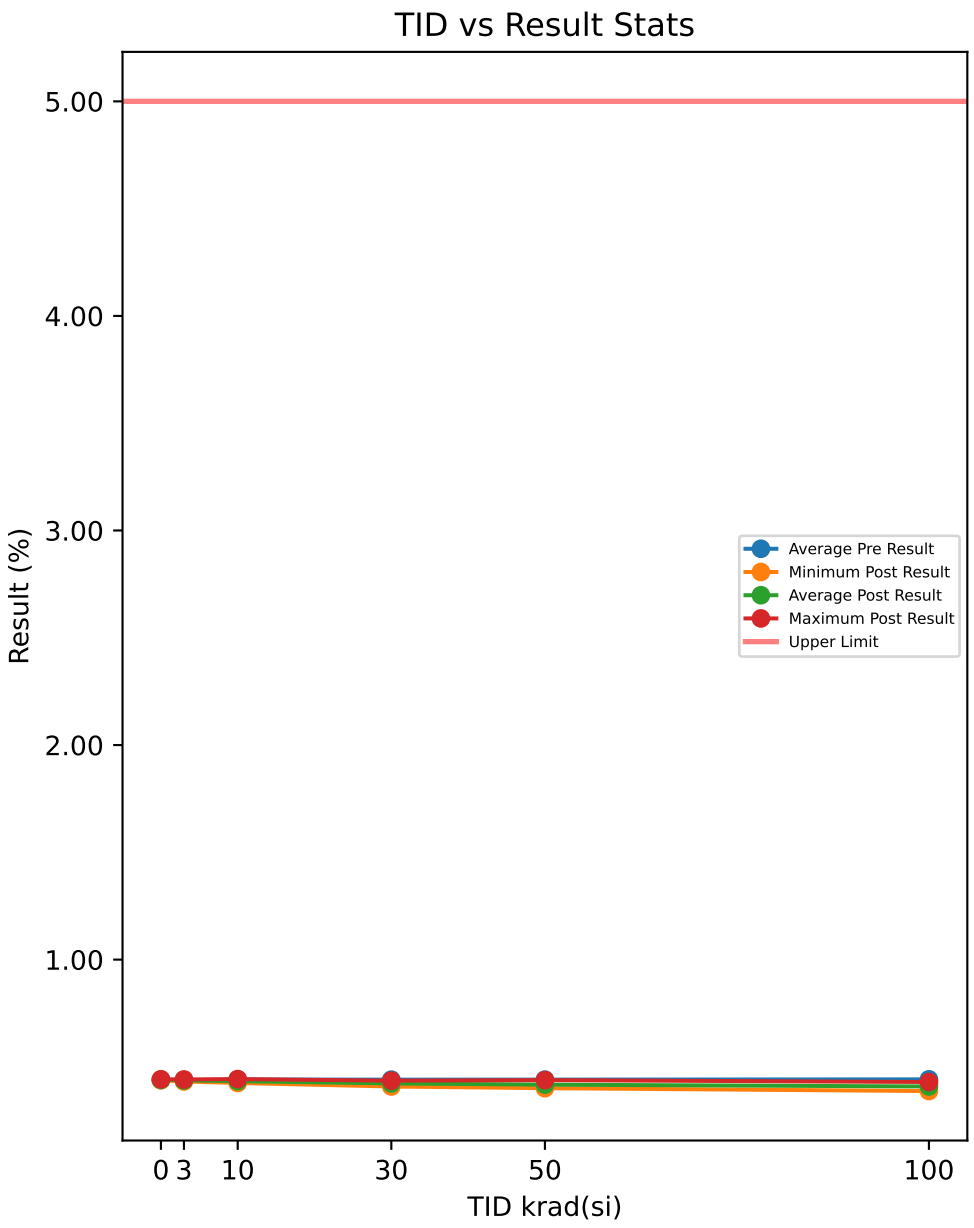
Test Results (Upper Limit = 5.0 (%))

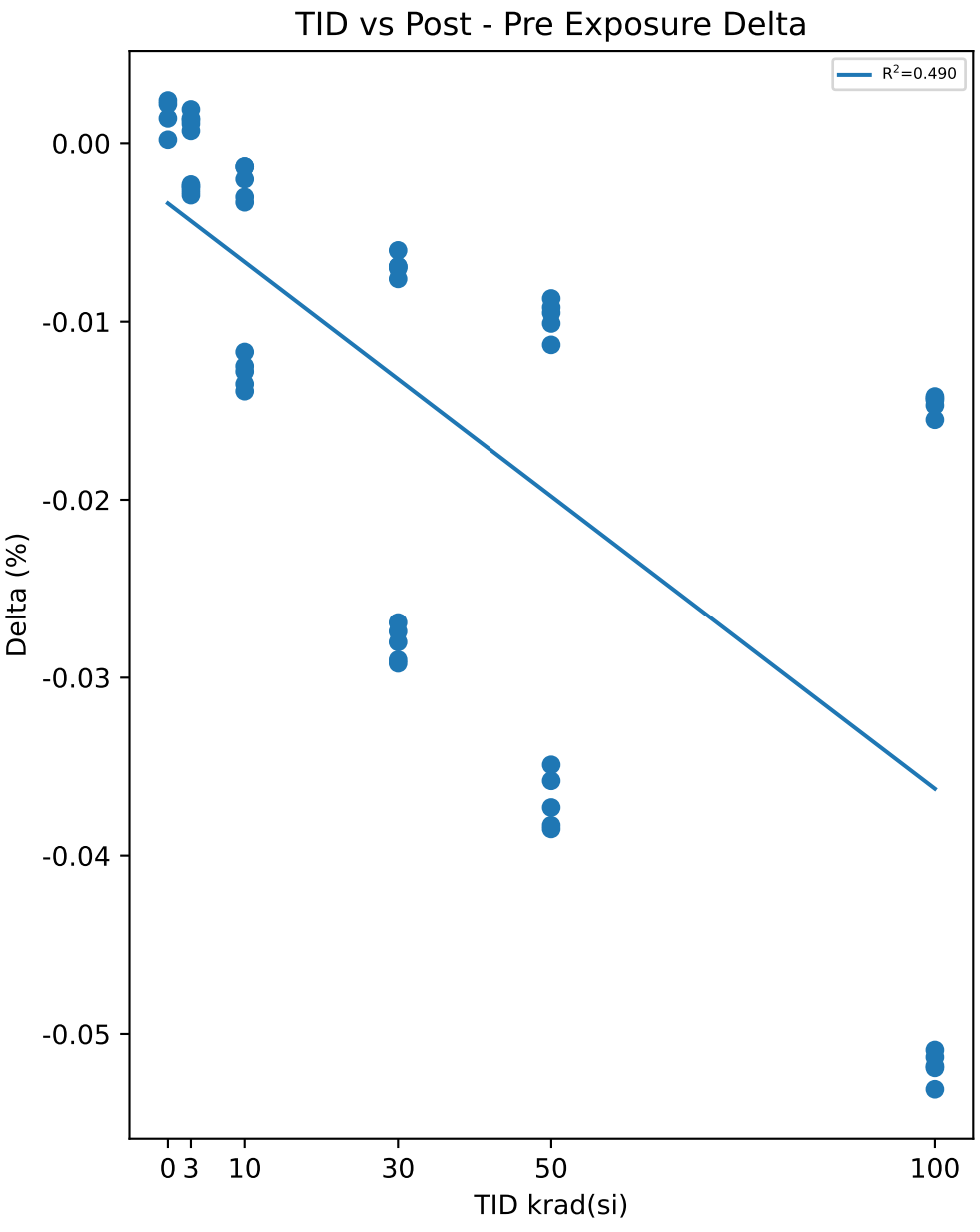
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.4395	0.4358	-0.0037
3	3	Biased	0.444	0.4396	-0.0044
4	3	Biased	0.4377	0.4343	-0.0034
5	3	Biased	0.4422	0.4383	-0.0039
6	3	Biased	0.4416	0.4385	-0.0031
7	3	Unbiased	0.4432	0.4417	-0.0015
8	3	Unbiased	0.4406	0.4407	0.0001
9	3	Unbiased	0.4463	0.4457	-0.0006
10	3	Unbiased	0.4435	0.4429	-0.0006
11	3	Unbiased	0.4423	0.4409	-0.0014
12	10	Unbiased	0.4452	0.4416	-0.0036
13	10	Unbiased	0.4431	0.4411	-0.002
14	10	Unbiased	0.441	0.4376	-0.0034
15	10	Unbiased	0.4432	0.4403	-0.0029
16	10	Unbiased	0.4461	0.4436	-0.0025
17	10	Biased	0.4485	0.435	-0.0135
18	10	Biased	0.4457	0.4299	-0.0158
19	10	Biased	0.4445	0.4299	-0.0146
20	10	Biased	0.4443	0.4294	-0.0149
21	10	Biased	0.4437	0.4296	-0.0141
22	30	Biased	0.4414	0.411	-0.0304
23	30	Biased	0.4409	0.4124	-0.0285
24	30	Biased	0.4448	0.4145	-0.0303
25	30	Biased	0.4438	0.4119	-0.0319
26	30	Biased	0.4438	0.4147	-0.0291
27	30	Unbiased	0.443	0.4357	-0.0073
28	30	Unbiased	0.4454	0.438	-0.0074
29	30	Unbiased	0.4433	0.4341	-0.0092
30	30	Unbiased	0.4404	0.4323	-0.0081
31	30	Unbiased	0.4476	0.4401	-0.0075
32	50	Biased	0.4436	0.4055	-0.0381
33	50	Biased	0.4434	0.4057	-0.0377
34	50	Biased	0.4402	0.4028	-0.0374
35	50	Biased	0.4454	0.4062	-0.0392
36	50	Biased	0.4486	0.4091	-0.0395
37	50	Unbiased	0.4414	0.4302	-0.0112
39	50	Unbiased	0.4431	0.4316	-0.0115
40	50	Unbiased	0.445	0.4341	-0.0109
41	50	Unbiased	0.4466	0.4343	-0.0123
42	50	Unbiased	0.445	0.4353	-0.0097
43	100	Biased	0.45	0.3976	-0.0524
44	100	Biased	0.443	0.3901	-0.0529
45	100	Biased	0.4456	0.3933	-0.0523
46	100	Biased	0.4495	0.3971	-0.0524
47	100	Biased	0.4495	0.3952	-0.0543
48	100	Unbiased	0.4427	0.4261	-0.0166
49	100	Unbiased	0.4452	0.4293	-0.0159
50	100	Unbiased	0.4464	0.4297	-0.0167
51	100	Unbiased	0.4489	0.4321	-0.0168
52	100	Unbiased	0.4477	0.4309	-0.0168
53	0	Correlation	0.4436	0.4434	-0.0002
54	0	Correlation	0.4401	0.4401	0
55	0	Correlation	0.4436	0.4427	-0.0009
56	0	Correlation	0.4476	0.4468	-0.0008

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	0.4401	0.44372	0.4476	0.0030653	0.4401	0.44325	0.4468	0.0027598	-0.0009	-0.000475	0	0.00044253
3	0.4377	0.44209	0.4463	0.0024287	0.4343	0.43984	0.4457	0.0033377	-0.0044	-0.00225	0.0001	0.0016243
10	0.441	0.44453	0.4485	0.0020293	0.4294	0.4358	0.4436	0.0057322	-0.0158	-0.00873	-0.002	0.0062086
30	0.4404	0.44344	0.4476	0.002194	0.411	0.42447	0.4401	0.012416	-0.0319	-0.01897	-0.0073	0.011714
50	0.4402	0.44423	0.4486	0.0024468	0.4028	0.41948	0.4353	0.014503	-0.0395	-0.02475	-0.0097	0.014394
100	0.4427	0.44685	0.45	0.0026962	0.3901	0.41214	0.4321	0.018599	-0.0543	-0.03471	-0.0159	0.019142

Device Test: 6.83; VOL_PWRGD_2MA





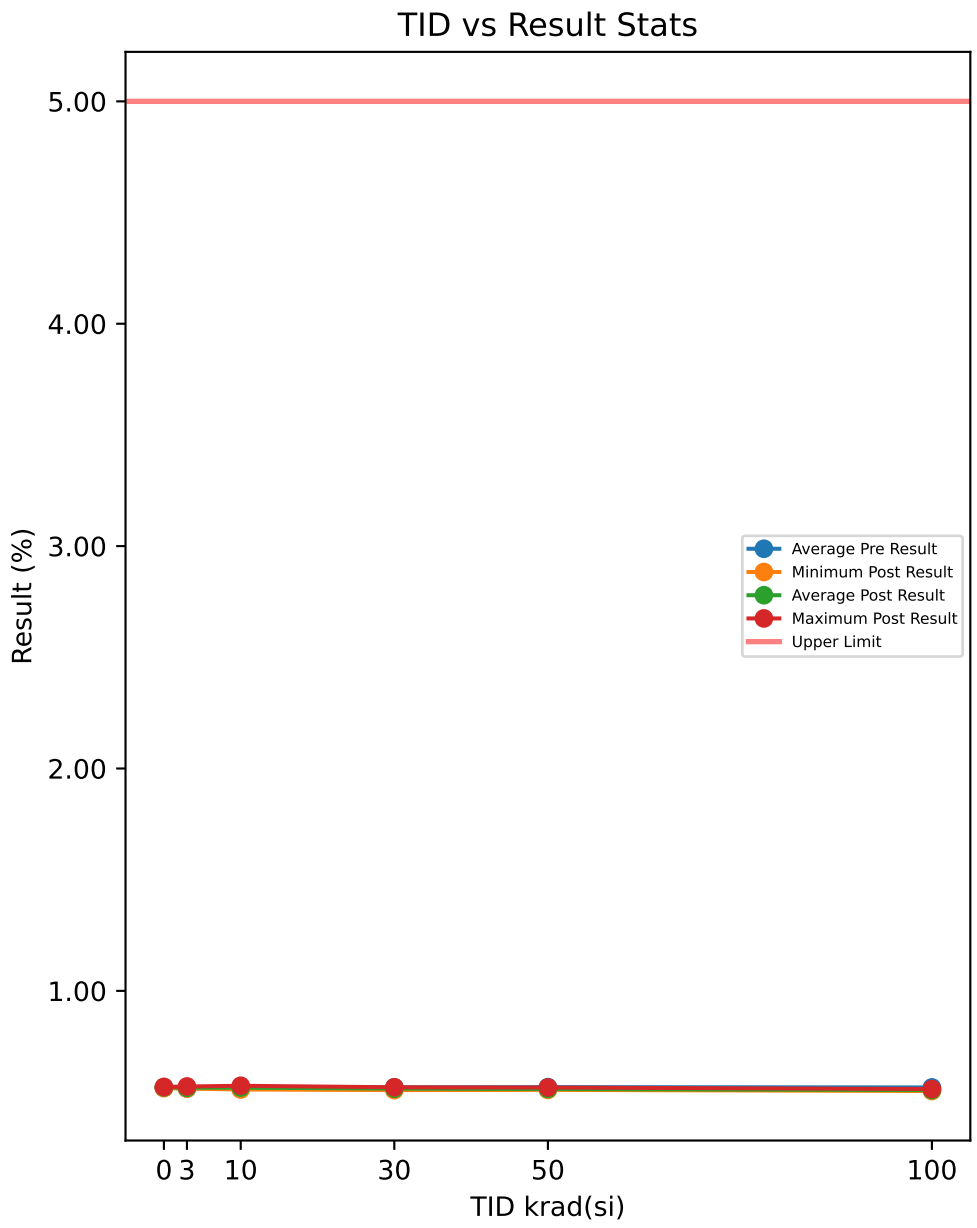
Test Results (Upper Limit = 5.0 (%))

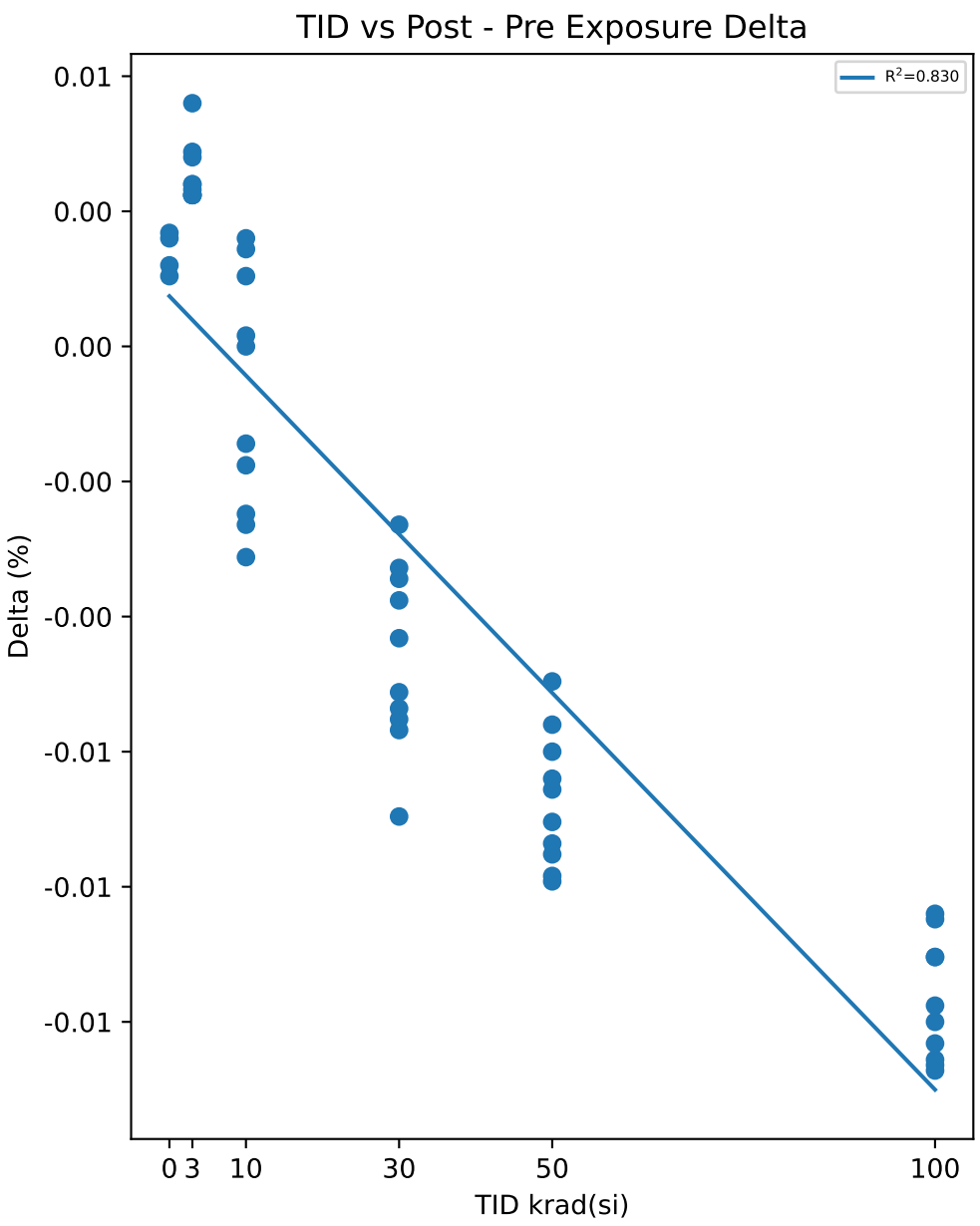
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.4361	0.4334	-0.0027
3	3	Biased	0.4388	0.4365	-0.0023
4	3	Biased	0.435	0.4321	-0.0029
5	3	Biased	0.4388	0.4363	-0.0025
6	3	Biased	0.4362	0.4338	-0.0024
7	3	Unbiased	0.4388	0.4402	0.0014
8	3	Unbiased	0.436	0.4373	0.0013
9	3	Unbiased	0.4404	0.4415	0.0011
10	3	Unbiased	0.4394	0.4413	0.0019
11	3	Unbiased	0.4374	0.4381	0.0007
12	10	Unbiased	0.4427	0.4407	-0.002
13	10	Unbiased	0.4445	0.4432	-0.0013
14	10	Unbiased	0.439	0.436	-0.003
15	10	Unbiased	0.4412	0.4379	-0.0033
16	10	Unbiased	0.4409	0.4396	-0.0013
17	10	Biased	0.4422	0.4297	-0.0125
18	10	Biased	0.4385	0.425	-0.0135
19	10	Biased	0.442	0.4303	-0.0117
20	10	Biased	0.4397	0.4258	-0.0139
21	10	Biased	0.4414	0.4286	-0.0128
22	30	Biased	0.4378	0.4086	-0.0292
23	30	Biased	0.4385	0.4111	-0.0274
24	30	Biased	0.4437	0.4157	-0.028
25	30	Biased	0.4411	0.4121	-0.029
26	30	Biased	0.4367	0.4098	-0.0269
27	30	Unbiased	0.4417	0.4341	-0.0076
28	30	Unbiased	0.4416	0.4346	-0.007
29	30	Unbiased	0.439	0.433	-0.006
30	30	Unbiased	0.4422	0.4353	-0.0069
31	30	Unbiased	0.4427	0.4358	-0.0069
32	50	Biased	0.4412	0.4029	-0.0383
33	50	Biased	0.4392	0.4034	-0.0358
34	50	Biased	0.4381	0.4008	-0.0373
35	50	Biased	0.4405	0.402	-0.0385
36	50	Biased	0.4413	0.4064	-0.0349
37	50	Unbiased	0.4386	0.4291	-0.0095
39	50	Unbiased	0.4405	0.4313	-0.0092
40	50	Unbiased	0.4471	0.4384	-0.0087
41	50	Unbiased	0.4404	0.4291	-0.0113
42	50	Unbiased	0.4394	0.4293	-0.0101
43	100	Biased	0.4454	0.3941	-0.0513
44	100	Biased	0.4393	0.3875	-0.0518
45	100	Biased	0.4408	0.3889	-0.0519
46	100	Biased	0.4467	0.3958	-0.0509
47	100	Biased	0.4426	0.3895	-0.0531
48	100	Unbiased	0.4383	0.4241	-0.0142
49	100	Unbiased	0.4405	0.425	-0.0155
50	100	Unbiased	0.4424	0.428	-0.0144
51	100	Unbiased	0.4397	0.425	-0.0147
52	100	Unbiased	0.4438	0.4295	-0.0143
53	0	Correlation	0.44	0.4424	0.0024
54	0	Correlation	0.4368	0.4382	0.0014
55	0	Correlation	0.4366	0.4388	0.0022
56	0	Correlation	0.4413	0.4415	0.0002

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	0.4366	0.43868	0.4413	0.0023429	0.4382	0.44022	0.4424	0.0020402	0.0002	0.00155	0.0024	0.00099833
3	0.435	0.43769	0.4404	0.0017916	0.4321	0.43705	0.4415	0.0033033	-0.0029	-0.00064	0.0019	0.0020511
10	0.4385	0.44121	0.4445	0.001804	0.425	0.43368	0.4432	0.0065715	-0.0139	-0.00753	-0.0013	0.0057028
30	0.4367	0.4405	0.4437	0.0023324	0.4086	0.42301	0.4358	0.01233	-0.0292	-0.01749	-0.006	0.01121
50	0.4381	0.44063	0.4471	0.0025122	0.4008	0.41727	0.4384	0.015237	-0.0385	-0.02336	-0.0087	0.014389
100	0.4383	0.44195	0.4467	0.0027355	0.3875	0.40874	0.4295	0.018748	-0.0531	-0.03321	-0.0142	0.019607

Device Test: 6.84; VOL_RESET_2MA





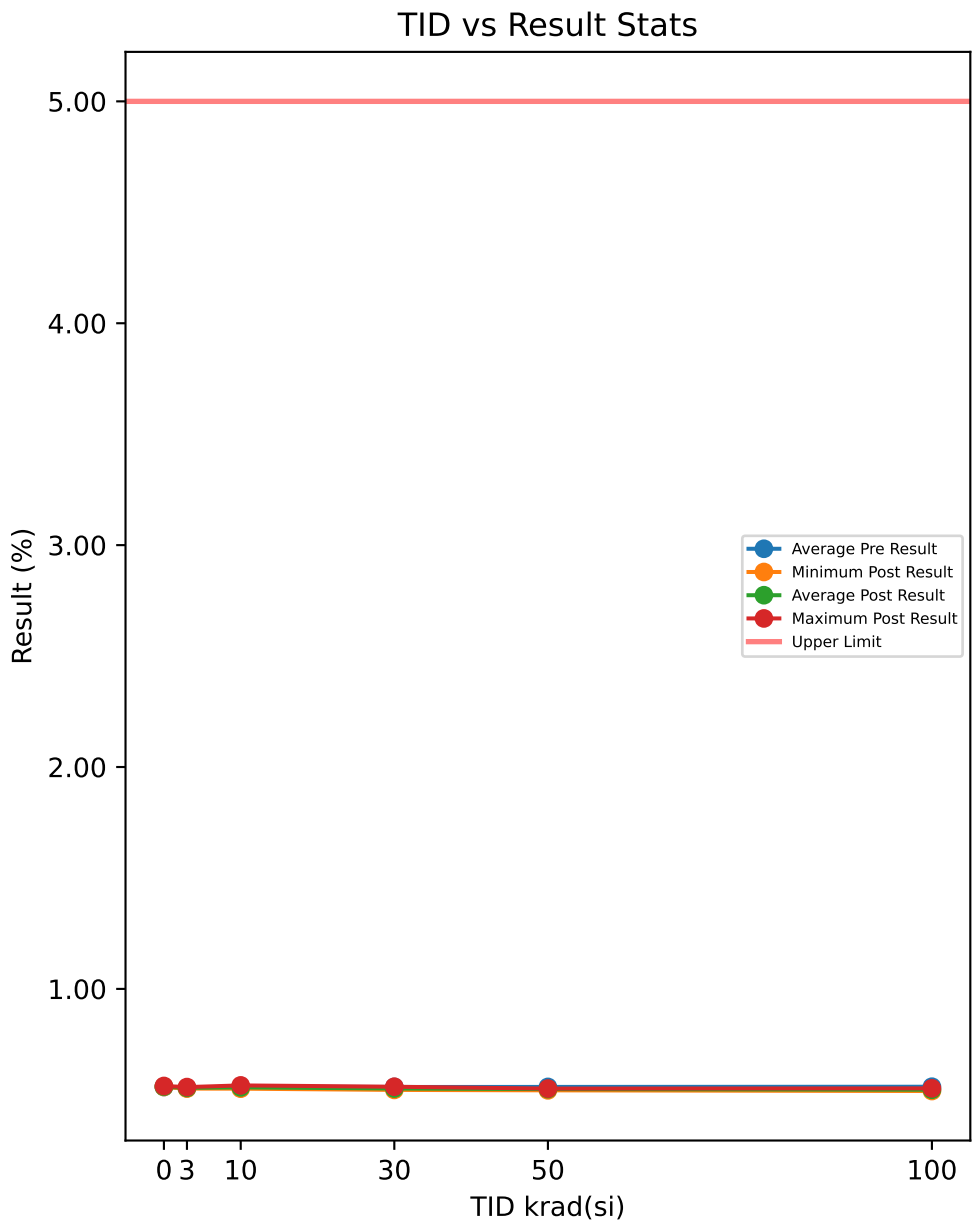
Test Results (Upper Limit = 5.0 (%))

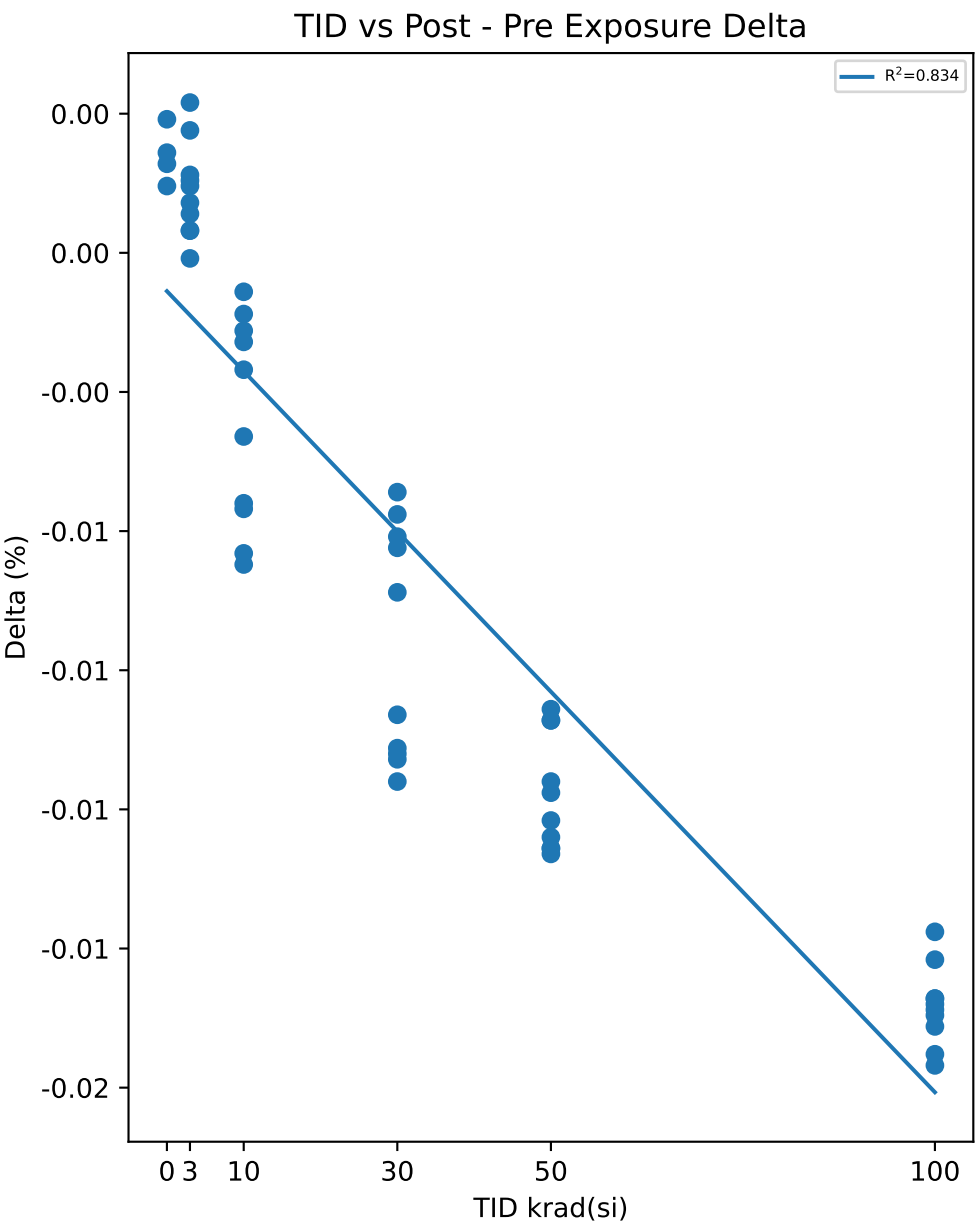
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.5605	0.5633	0.0028
3	3	Biased	0.56	0.5628	0.0028
4	3	Biased	0.559	0.5618	0.0028
5	3	Biased	0.5666	0.5701	0.0035
6	3	Biased	0.5582	0.561	0.0028
7	3	Unbiased	0.56	0.5629	0.0029
8	3	Unbiased	0.5627	0.5672	0.0045
9	3	Unbiased	0.5615	0.5645	0.003
10	3	Unbiased	0.5575	0.5605	0.003
11	3	Unbiased	0.565	0.5686	0.0036
12	10	Unbiased	0.569	0.5703	0.0013
13	10	Unbiased	0.5655	0.5673	0.0018
14	10	Unbiased	0.5679	0.5681	0.0002
15	10	Unbiased	0.5691	0.5691	0
16	10	Unbiased	0.5607	0.5627	0.002
17	10	Biased	0.5587	0.5565	-0.0022
18	10	Biased	0.5614	0.5583	-0.0031
19	10	Biased	0.5751	0.5733	-0.0018
20	10	Biased	0.5629	0.5596	-0.0033
21	10	Biased	0.5664	0.5625	-0.0039
22	30	Biased	0.5674	0.5603	-0.0071
23	30	Biased	0.5669	0.5605	-0.0064
24	30	Biased	0.5682	0.5615	-0.0067
25	30	Biased	0.5624	0.5537	-0.0087
26	30	Biased	0.5635	0.5566	-0.0069
27	30	Unbiased	0.5673	0.5619	-0.0054
28	30	Unbiased	0.5698	0.5665	-0.0033
29	30	Unbiased	0.5658	0.5611	-0.0047
30	30	Unbiased	0.5634	0.5591	-0.0043
31	30	Unbiased	0.5667	0.5626	-0.0041
32	50	Biased	0.5656	0.5564	-0.0092
33	50	Biased	0.5635	0.5547	-0.0088
34	50	Biased	0.5656	0.5562	-0.0094
35	50	Biased	0.5662	0.5564	-0.0098
36	50	Biased	0.5738	0.5639	-0.0099
37	50	Unbiased	0.5644	0.5582	-0.0062
39	50	Unbiased	0.5658	0.5583	-0.0075
40	50	Unbiased	0.5639	0.5557	-0.0082
41	50	Unbiased	0.5734	0.5654	-0.008
42	50	Unbiased	0.5693	0.5623	-0.007
43	100	Biased	0.5621	0.5499	-0.0122
44	100	Biased	0.5621	0.5496	-0.0125
45	100	Biased	0.5718	0.5586	-0.0132
46	100	Biased	0.5644	0.5511	-0.0133
47	100	Biased	0.5673	0.5539	-0.0134
48	100	Unbiased	0.5653	0.5548	-0.0105
49	100	Unbiased	0.5658	0.5529	-0.0129
50	100	Unbiased	0.5656	0.555	-0.0106
51	100	Unbiased	0.5642	0.5529	-0.0113
52	100	Unbiased	0.5697	0.5584	-0.0113
53	0	Correlation	0.5644	0.5664	0.002
54	0	Correlation	0.5662	0.5677	0.0015
55	0	Correlation	0.5613	0.5626	0.0013
56	0	Correlation	0.5661	0.5682	0.0021

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	0.5613	0.5645	0.5662	0.0022876	0.5626	0.56622	0.5682	0.0025329	0.0013	0.001725	0.0021	0.00038622
3	0.5575	0.5611	0.5666	0.00292	0.5605	0.56427	0.5701	0.0032891	0.0028	0.00317	0.0045	0.00055187
10	0.5587	0.56567	0.5751	0.0049047	0.5565	0.56477	0.5733	0.0056372	-0.0039	-0.0009	0.002	0.0022276
30	0.5624	0.56614	0.5698	0.0023581	0.5537	0.56038	0.5665	0.0034486	-0.0087	-0.00576	-0.0033	0.0016741
50	0.5635	0.56715	0.5738	0.0037548	0.5547	0.55875	0.5654	0.003758	-0.0099	-0.0084	-0.0062	0.0012392
100	0.5621	0.56583	0.5718	0.0030847	0.5496	0.55371	0.5586	0.0031328	-0.0134	-0.01212	-0.0105	0.0011173

Device Test: 6.85; VOL_RESET_2MA





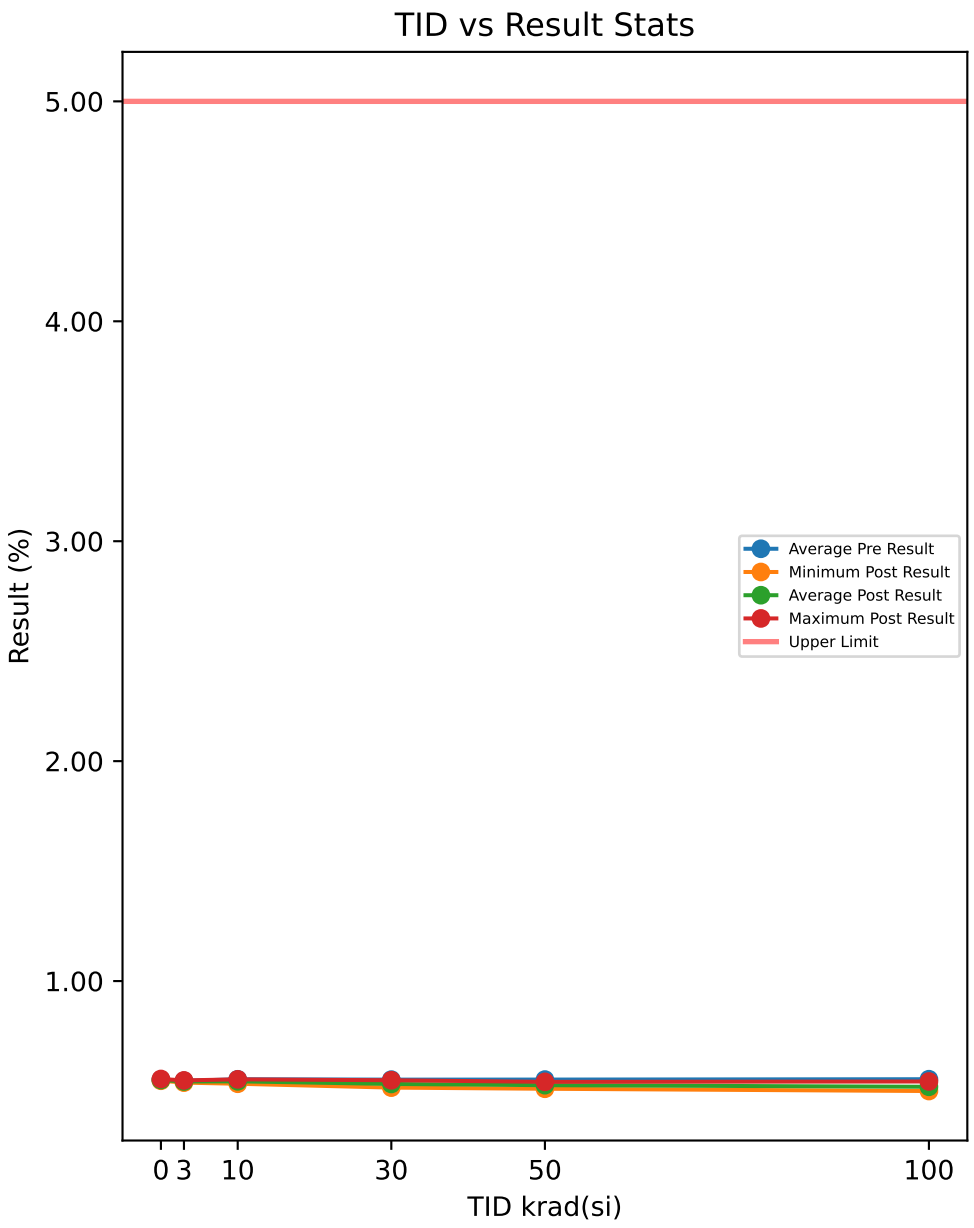
Test Results (Upper Limit = 5.0 (%))

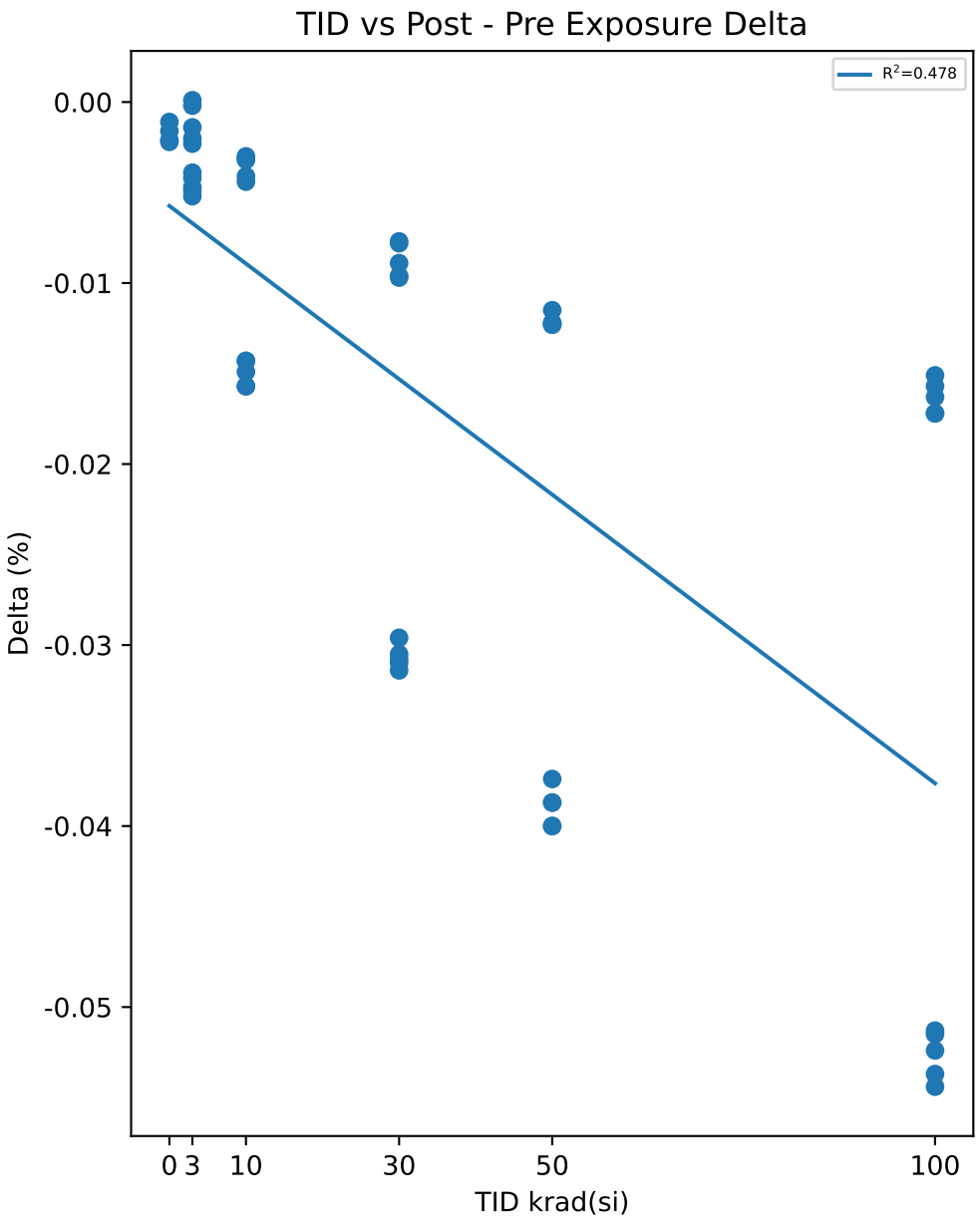
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.5495	0.5507	0.0012
3	3	Biased	0.5559	0.5558	-0.0001
4	3	Biased	0.5518	0.5522	0.0004
5	3	Biased	0.5541	0.5545	0.0004
6	3	Biased	0.5531	0.5538	0.0007
7	3	Unbiased	0.5518	0.554	0.0022
8	3	Unbiased	0.5513	0.5527	0.0014
9	3	Unbiased	0.554	0.5549	0.0009
10	3	Unbiased	0.5538	0.5551	0.0013
11	3	Unbiased	0.5548	0.5575	0.0027
12	10	Unbiased	0.5593	0.5577	-0.0016
13	10	Unbiased	0.5598	0.5591	-0.0007
14	10	Unbiased	0.5595	0.5574	-0.0021
15	10	Unbiased	0.5553	0.5542	-0.0011
16	10	Unbiased	0.5607	0.5593	-0.0014
17	10	Biased	0.5567	0.5513	-0.0054
18	10	Biased	0.5591	0.5545	-0.0046
19	10	Biased	0.5707	0.5651	-0.0056
20	10	Biased	0.5548	0.5503	-0.0045
21	10	Biased	0.5569	0.5536	-0.0033
22	30	Biased	0.5603	0.5508	-0.0095
23	30	Biased	0.5603	0.5513	-0.009
24	30	Biased	0.5574	0.5485	-0.0089
25	30	Biased	0.5538	0.5447	-0.0091
26	30	Biased	0.5557	0.5474	-0.0083
27	30	Unbiased	0.5589	0.5538	-0.0051
28	30	Unbiased	0.5585	0.5538	-0.0047
29	30	Unbiased	0.5548	0.5495	-0.0053
30	30	Unbiased	0.5547	0.5504	-0.0043
31	30	Unbiased	0.5652	0.5591	-0.0061
32	50	Biased	0.5582	0.5485	-0.0097
33	50	Biased	0.5536	0.5428	-0.0108
34	50	Biased	0.5574	0.5472	-0.0102
35	50	Biased	0.5599	0.5492	-0.0107
36	50	Biased	0.5615	0.5508	-0.0107
37	50	Unbiased	0.5562	0.5478	-0.0084
39	50	Unbiased	0.5604	0.5499	-0.0105
40	50	Unbiased	0.5587	0.5503	-0.0084
41	50	Unbiased	0.5581	0.5486	-0.0095
42	50	Unbiased	0.5583	0.5501	-0.0082
43	100	Biased	0.5624	0.5478	-0.0146
44	100	Biased	0.5557	0.542	-0.0137
45	100	Biased	0.5601	0.5465	-0.0136
46	100	Biased	0.5593	0.5459	-0.0134
47	100	Biased	0.5635	0.5491	-0.0144
48	100	Unbiased	0.5553	0.5418	-0.0135
49	100	Unbiased	0.5536	0.5397	-0.0139
50	100	Unbiased	0.5568	0.5446	-0.0122
51	100	Unbiased	0.5652	0.5518	-0.0134
52	100	Unbiased	0.5594	0.5467	-0.0127
53	0	Correlation	0.5564	0.558	0.0016
54	0	Correlation	0.5578	0.5602	0.0024
55	0	Correlation	0.557	0.5582	0.0012
56	0	Correlation	0.5607	0.5625	0.0018

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	0.5564	0.55797	0.5607	0.001905	0.558	0.55973	0.5625	0.0020998	0.0012	0.00175	0.0024	0.0005
3	0.5495	0.55301	0.5559	0.0019011	0.5507	0.55412	0.5575	0.0019286	-0.0001	0.00111	0.0027	0.00085173
10	0.5548	0.55928	0.5707	0.0044847	0.5503	0.55625	0.5651	0.0043889	-0.0056	-0.00303	-0.0007	0.001875
30	0.5538	0.55796	0.5652	0.0034622	0.5447	0.55093	0.5591	0.0039844	-0.0095	-0.00703	-0.0043	0.002104
50	0.5536	0.55823	0.5615	0.0022281	0.5428	0.54852	0.5508	0.0023146	-0.0108	-0.00971	-0.0082	0.0010418
100	0.5536	0.55913	0.5652	0.0038024	0.5397	0.54559	0.5518	0.0036644	-0.0146	-0.01354	-0.0122	0.00071212

Device Test: 6.86; VOL_RESET_2MA





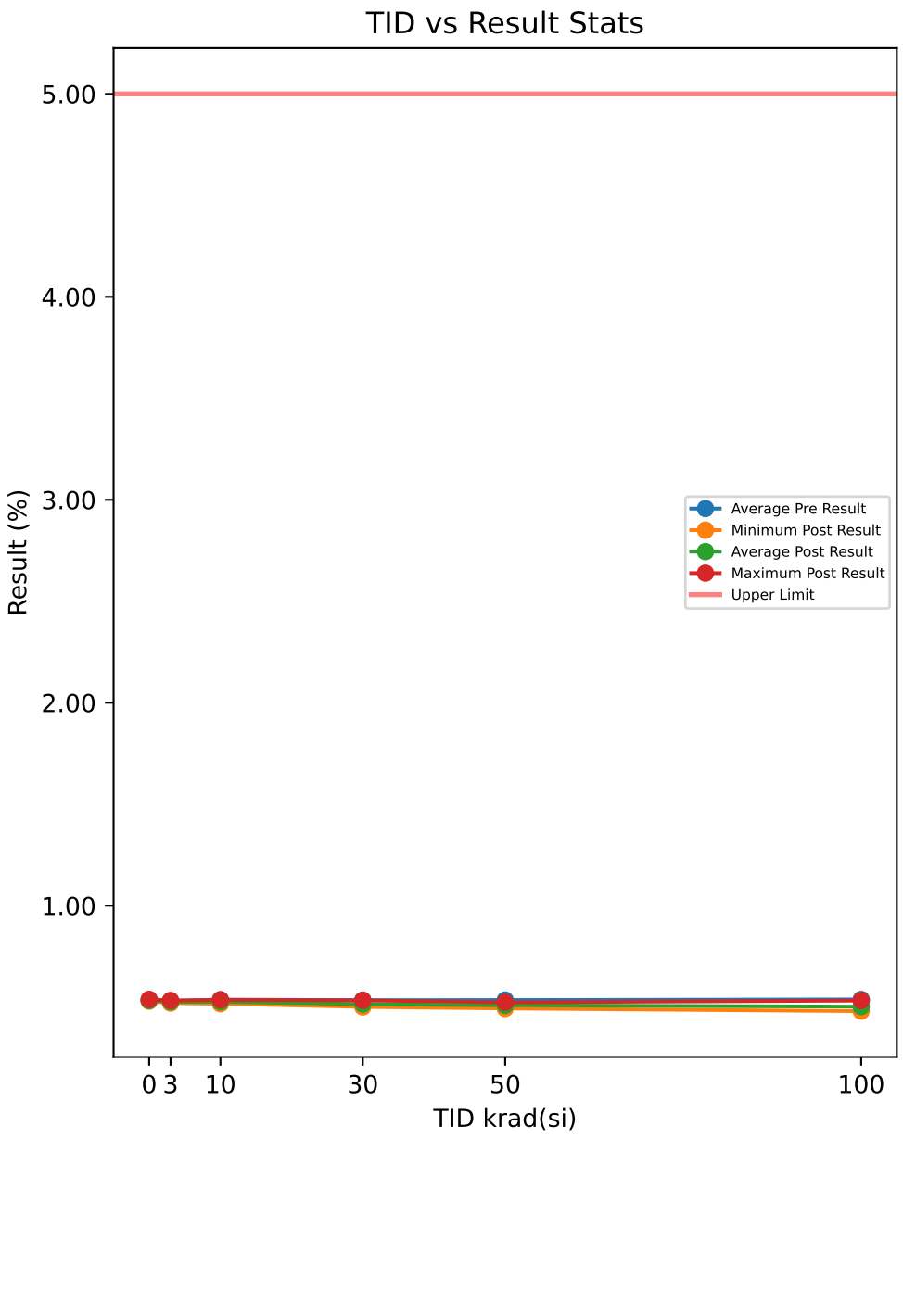
Test Results (Upper Limit = 5.0 (%))

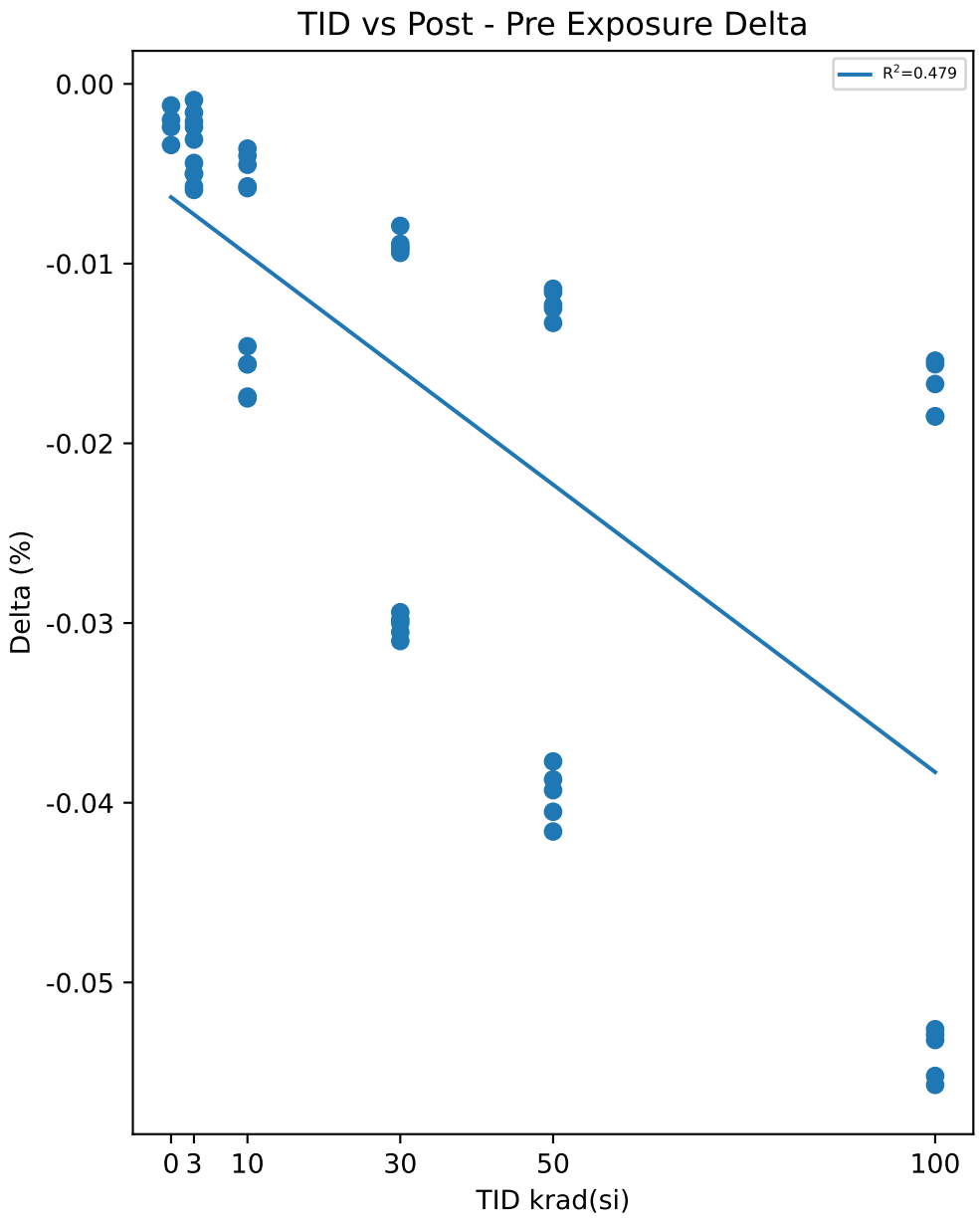
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.5424	0.5382	-0.0042
3	3	Biased	0.5505	0.5456	-0.0049
4	3	Biased	0.5436	0.5384	-0.0052
5	3	Biased	0.549	0.5451	-0.0039
6	3	Biased	0.5438	0.5391	-0.0047
7	3	Unbiased	0.5425	0.5411	-0.0014
8	3	Unbiased	0.5452	0.545	-0.0002
9	3	Unbiased	0.5507	0.5484	-0.0023
10	3	Unbiased	0.5443	0.5444	0.0001
11	3	Unbiased	0.5502	0.5482	-0.002
12	10	Unbiased	0.5542	0.5511	-0.0031
13	10	Unbiased	0.5563	0.5531	-0.0032
14	10	Unbiased	0.5505	0.5464	-0.0041
15	10	Unbiased	0.5516	0.5486	-0.003
16	10	Unbiased	0.555	0.5506	-0.0044
17	10	Biased	0.5514	0.5371	-0.0143
18	10	Biased	0.5528	0.5371	-0.0157
19	10	Biased	0.5619	0.5476	-0.0143
20	10	Biased	0.5488	0.5331	-0.0157
21	10	Biased	0.5519	0.537	-0.0149
22	30	Biased	0.5549	0.5241	-0.0308
23	30	Biased	0.5556	0.5246	-0.031
24	30	Biased	0.5509	0.5204	-0.0305
25	30	Biased	0.5469	0.5155	-0.0314
26	30	Biased	0.5505	0.5209	-0.0296
27	30	Unbiased	0.5505	0.5427	-0.0078
28	30	Unbiased	0.5503	0.5426	-0.0077
29	30	Unbiased	0.5484	0.5388	-0.0096
30	30	Unbiased	0.5519	0.543	-0.0089
31	30	Unbiased	0.5588	0.5491	-0.0097
32	50	Biased	0.5519	0.5132	-0.0387
33	50	Biased	0.5477	0.5103	-0.0374
34	50	Biased	0.5506	0.5106	-0.04
35	50	Biased	0.5557	0.5157	-0.04
36	50	Biased	0.5547	0.516	-0.0387
37	50	Unbiased	0.5494	0.5379	-0.0115
39	50	Unbiased	0.5525	0.5403	-0.0122
40	50	Unbiased	0.5539	0.5417	-0.0122
41	50	Unbiased	0.5523	0.54	-0.0123
42	50	Unbiased	0.5528	0.5405	-0.0123
43	100	Biased	0.5607	0.5063	-0.0544
44	100	Biased	0.5537	0.5	-0.0537
45	100	Biased	0.5537	0.5013	-0.0524
46	100	Biased	0.5544	0.5031	-0.0513
47	100	Biased	0.5543	0.5028	-0.0515
48	100	Unbiased	0.5481	0.5324	-0.0157
49	100	Unbiased	0.5485	0.5334	-0.0151
50	100	Unbiased	0.5496	0.5333	-0.0163
51	100	Unbiased	0.5606	0.5434	-0.0172
52	100	Unbiased	0.554	0.5368	-0.0172
53	0	Correlation	0.5489	0.5467	-0.0022
54	0	Correlation	0.5527	0.5506	-0.0021
55	0	Correlation	0.5491	0.548	-0.0011
56	0	Correlation	0.5564	0.5548	-0.0016

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	0.5489	0.55178	0.5564	0.0035434	0.5467	0.55002	0.5548	0.0035725	-0.0022	-0.00175	-0.0011	0.00050662
3	0.5424	0.54622	0.5507	0.0034615	0.5382	0.54335	0.5484	0.0038748	-0.0052	-0.00287	0.0001	0.0019698
10	0.5488	0.55344	0.5619	0.0037008	0.5331	0.54417	0.5531	0.0072984	-0.0157	-0.00927	-0.003	0.0060522
30	0.5469	0.55187	0.5588	0.0035749	0.5155	0.53217	0.5491	0.012172	-0.0314	-0.0197	-0.0077	0.011579
50	0.5477	0.55215	0.5557	0.0024167	0.5103	0.52662	0.5417	0.014332	-0.04	-0.02553	-0.0115	0.014177
100	0.5481	0.55376	0.5607	0.0043808	0.5	0.51928	0.5434	0.017807	-0.0544	-0.03448	-0.0151	0.019195

Device Test: 6.87; VOL_RESET_2MA





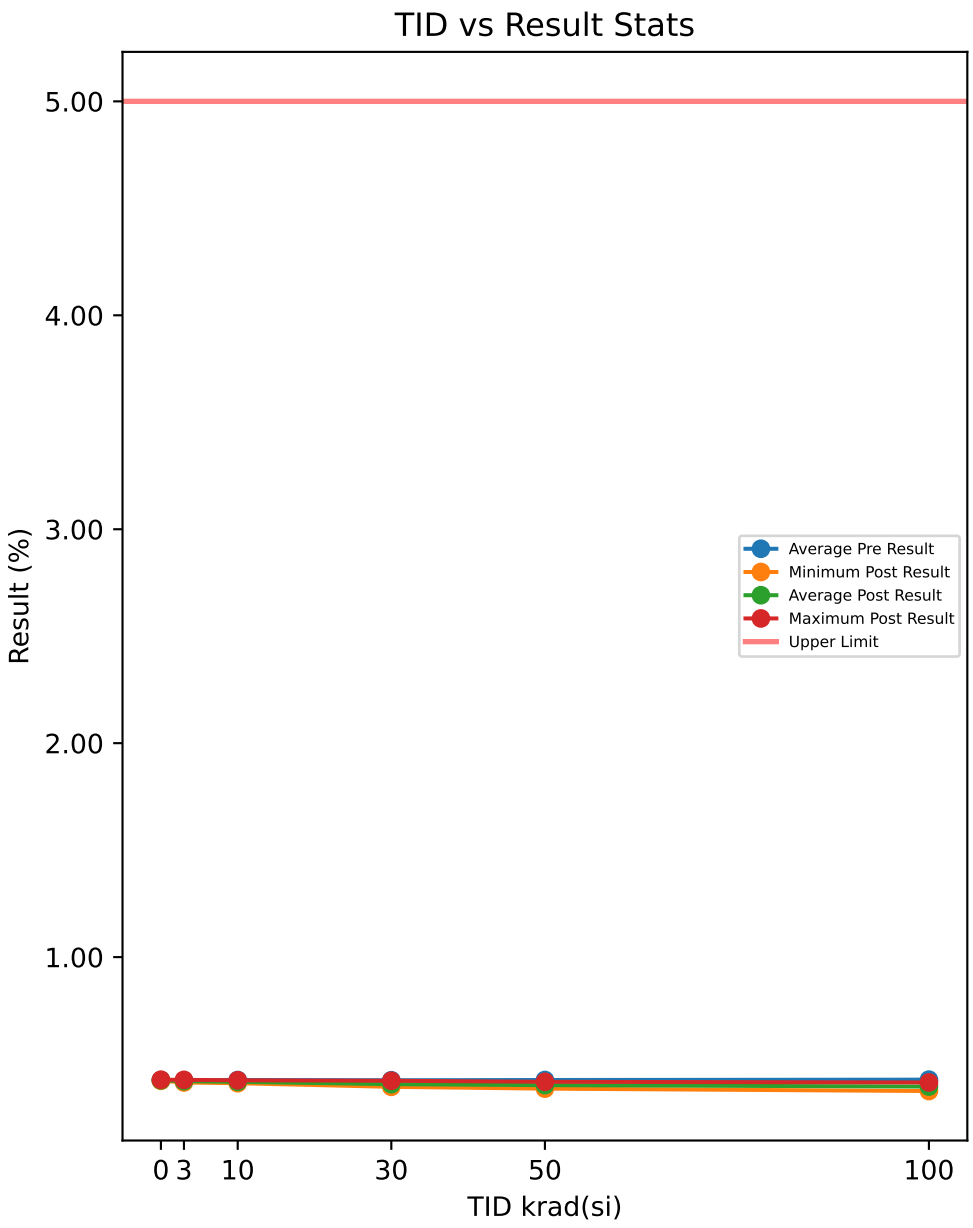
Test Results (Upper Limit = 5.0 (%))

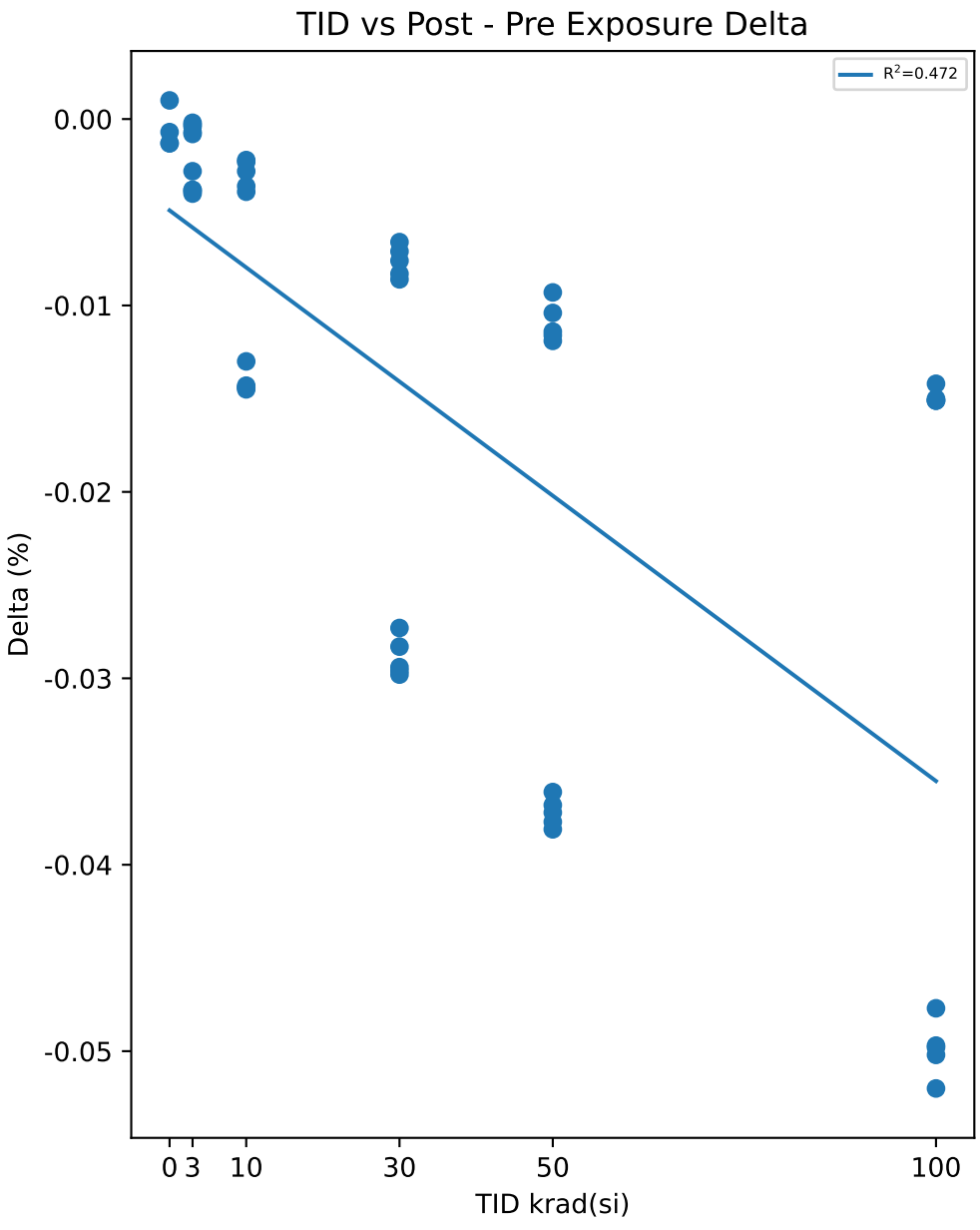
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.5265	0.5221	-0.0044
3	3	Biased	0.5355	0.5296	-0.0059
4	3	Biased	0.5251	0.5201	-0.005
5	3	Biased	0.5343	0.5286	-0.0057
6	3	Biased	0.5256	0.5206	-0.005
7	3	Unbiased	0.5265	0.5234	-0.0031
8	3	Unbiased	0.5284	0.5263	-0.0021
9	3	Unbiased	0.5333	0.5324	-0.0009
10	3	Unbiased	0.5292	0.5276	-0.0016
11	3	Unbiased	0.5352	0.5328	-0.0024
12	10	Unbiased	0.5366	0.5308	-0.0058
13	10	Unbiased	0.5364	0.5328	-0.0036
14	10	Unbiased	0.5332	0.5287	-0.0045
15	10	Unbiased	0.5327	0.527	-0.0057
16	10	Unbiased	0.5396	0.5356	-0.004
17	10	Biased	0.5381	0.5225	-0.0156
18	10	Biased	0.5384	0.521	-0.0174
19	10	Biased	0.5434	0.5278	-0.0156
20	10	Biased	0.5342	0.5167	-0.0175
21	10	Biased	0.5343	0.5197	-0.0146
22	30	Biased	0.5355	0.5057	-0.0298
23	30	Biased	0.5369	0.5075	-0.0294
24	30	Biased	0.5326	0.5026	-0.03
25	30	Biased	0.5321	0.5011	-0.031
26	30	Biased	0.5333	0.5028	-0.0305
27	30	Unbiased	0.5342	0.525	-0.0092
28	30	Unbiased	0.5348	0.5269	-0.0079
29	30	Unbiased	0.5297	0.5208	-0.0089
30	30	Unbiased	0.5316	0.5225	-0.0091
31	30	Unbiased	0.5427	0.5333	-0.0094
32	50	Biased	0.5365	0.4978	-0.0387
33	50	Biased	0.5328	0.4935	-0.0393
34	50	Biased	0.5319	0.4942	-0.0377
35	50	Biased	0.5391	0.4975	-0.0416
36	50	Biased	0.5383	0.4978	-0.0405
37	50	Unbiased	0.5307	0.5191	-0.0116
39	50	Unbiased	0.5361	0.5236	-0.0125
40	50	Unbiased	0.5344	0.5211	-0.0133
41	50	Unbiased	0.534	0.5226	-0.0114
42	50	Unbiased	0.5346	0.5223	-0.0123
43	100	Biased	0.5436	0.4884	-0.0552
44	100	Biased	0.536	0.4803	-0.0557
45	100	Biased	0.5356	0.4827	-0.0529
46	100	Biased	0.5365	0.4839	-0.0526
47	100	Biased	0.5414	0.4882	-0.0532
48	100	Unbiased	0.5319	0.5152	-0.0167
49	100	Unbiased	0.5355	0.517	-0.0185
50	100	Unbiased	0.5316	0.5162	-0.0154
51	100	Unbiased	0.5508	0.5323	-0.0185
52	100	Unbiased	0.5346	0.519	-0.0156
53	0	Correlation	0.5316	0.5304	-0.0012
54	0	Correlation	0.5348	0.5324	-0.0024
55	0	Correlation	0.5329	0.5295	-0.0034
56	0	Correlation	0.5402	0.5382	-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	0.5316	0.53487	0.5402	0.0037854	0.5295	0.53263	0.5382	0.0039093	-0.0034	-0.00225	-0.0012	0.00091469
3	0.5251	0.52996	0.5355	0.0041863	0.5201	0.52635	0.5328	0.0046462	-0.0059	-0.00361	-0.0009	0.0018101
10	0.5327	0.53669	0.5434	0.0033084	0.5167	0.52626	0.5356	0.0061076	-0.0175	-0.01043	-0.0036	0.0061136
30	0.5297	0.53434	0.5427	0.003593	0.5011	0.51482	0.5333	0.01204	-0.031	-0.01952	-0.0079	0.011209
50	0.5307	0.53484	0.5391	0.0026949	0.4935	0.50895	0.5236	0.013605	-0.0416	-0.02589	-0.0114	0.014454
100	0.5316	0.53775	0.5508	0.0059079	0.4803	0.50232	0.5323	0.019303	-0.0557	-0.03543	-0.0154	0.019539

Device Test: 6.88; VOL_WDO_2MA





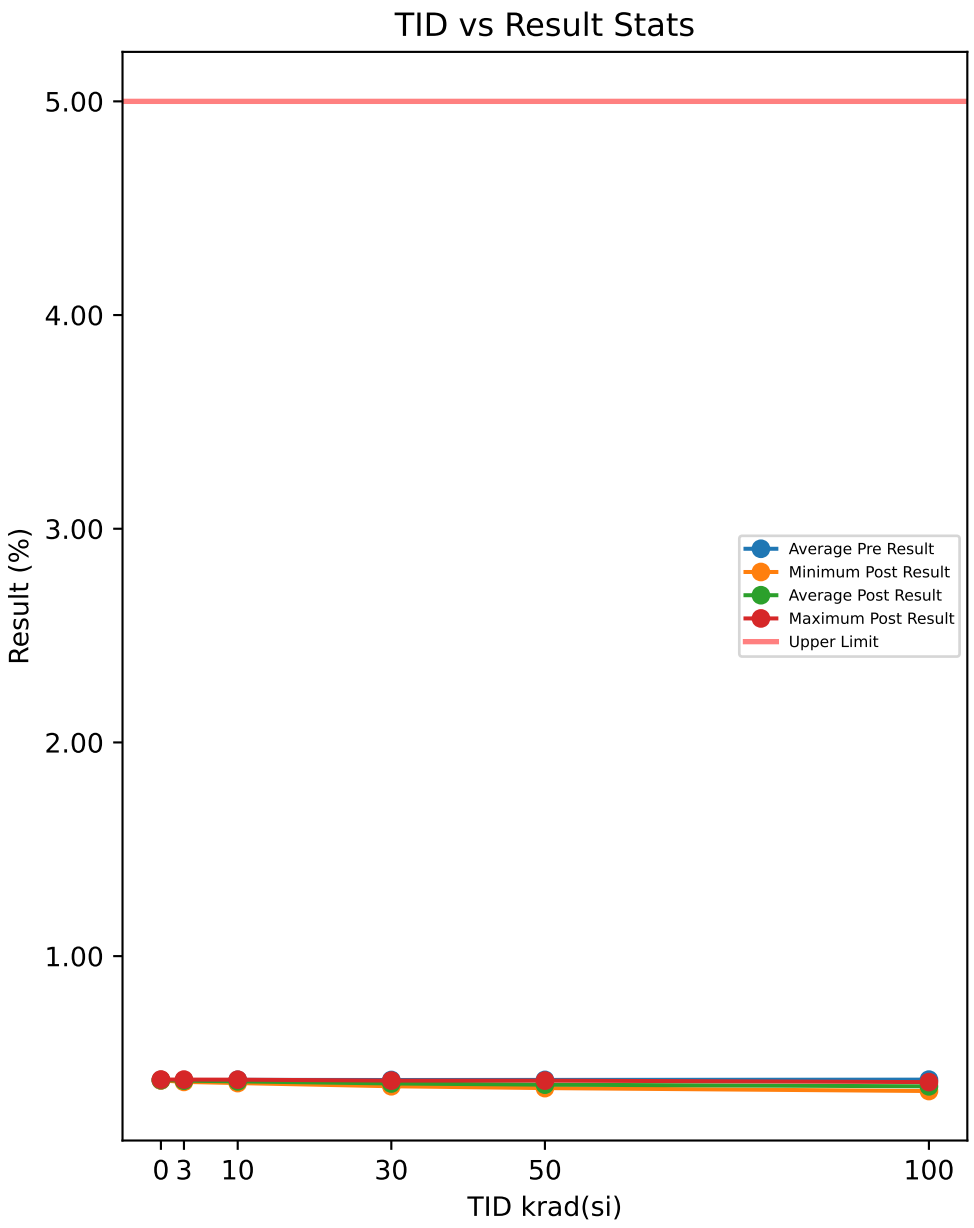
Test Results (Upper Limit = 5.0 (%))

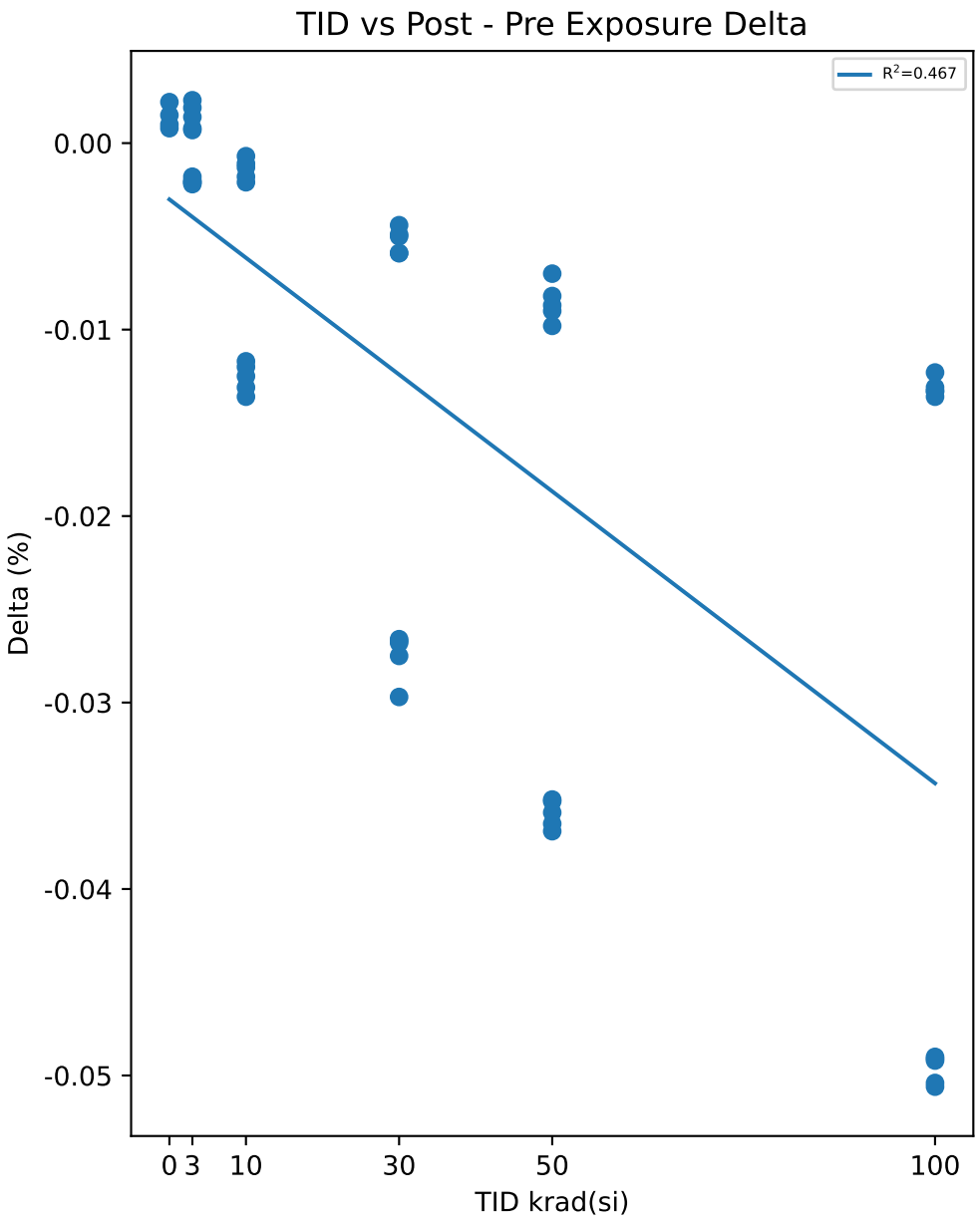
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.4179	0.4151	-0.0028
3	3	Biased	0.4242	0.4202	-0.004
4	3	Biased	0.4179	0.414	-0.0039
5	3	Biased	0.4221	0.4183	-0.0038
6	3	Biased	0.4219	0.4181	-0.0038
7	3	Unbiased	0.4232	0.4228	-0.0004
8	3	Unbiased	0.4227	0.4225	-0.0002
9	3	Unbiased	0.427	0.4262	-0.0008
10	3	Unbiased	0.4233	0.423	-0.0003
11	3	Unbiased	0.4227	0.422	-0.0007
12	10	Unbiased	0.4268	0.424	-0.0028
13	10	Unbiased	0.4238	0.4216	-0.0022
14	10	Unbiased	0.4234	0.4198	-0.0036
15	10	Unbiased	0.4228	0.4205	-0.0023
16	10	Unbiased	0.4281	0.4242	-0.0039
17	10	Biased	0.4279	0.4149	-0.013
18	10	Biased	0.4254	0.411	-0.0144
19	10	Biased	0.4261	0.4116	-0.0145
20	10	Biased	0.4256	0.4112	-0.0144
21	10	Biased	0.4248	0.4105	-0.0143
22	30	Biased	0.4219	0.3936	-0.0283
23	30	Biased	0.4238	0.3944	-0.0294
24	30	Biased	0.4242	0.3946	-0.0296
25	30	Biased	0.4247	0.3949	-0.0298
26	30	Biased	0.4236	0.3963	-0.0273
27	30	Unbiased	0.4238	0.4172	-0.0066
28	30	Unbiased	0.4275	0.4199	-0.0076
29	30	Unbiased	0.423	0.4147	-0.0083
30	30	Unbiased	0.4218	0.4132	-0.0086
31	30	Unbiased	0.4291	0.422	-0.0071
32	50	Biased	0.4255	0.3887	-0.0368
33	50	Biased	0.4245	0.3873	-0.0372
34	50	Biased	0.4213	0.3852	-0.0361
35	50	Biased	0.4252	0.3871	-0.0381
36	50	Biased	0.4298	0.3921	-0.0377
37	50	Unbiased	0.4229	0.4115	-0.0114
39	50	Unbiased	0.4255	0.4139	-0.0116
40	50	Unbiased	0.4251	0.4158	-0.0093
41	50	Unbiased	0.4286	0.4167	-0.0119
42	50	Unbiased	0.4275	0.4171	-0.0104
43	100	Biased	0.4306	0.3809	-0.0497
44	100	Biased	0.4238	0.374	-0.0498
45	100	Biased	0.4274	0.3772	-0.0502
46	100	Biased	0.4277	0.38	-0.0477
47	100	Biased	0.4318	0.3798	-0.052
48	100	Unbiased	0.4232	0.4082	-0.015
49	100	Unbiased	0.4251	0.4109	-0.0142
50	100	Unbiased	0.4263	0.4112	-0.0151
51	100	Unbiased	0.4291	0.414	-0.0151
52	100	Unbiased	0.4273	0.4122	-0.0151
53	0	Correlation	0.4256	0.4243	-0.0013
54	0	Correlation	0.4208	0.4218	0.001
55	0	Correlation	0.4247	0.424	-0.0007
56	0	Correlation	0.4282	0.4269	-0.0013

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	0.4208	0.42483	0.4282	0.0030663	0.4218	0.42425	0.4269	0.0020889	-0.0013	-0.000575	0.001	0.0010874
3	0.4179	0.42229	0.427	0.0027233	0.414	0.42022	0.4262	0.0038238	-0.004	-0.00207	-0.0002	0.001716
10	0.4228	0.42547	0.4281	0.0018154	0.4105	0.41693	0.4242	0.005652	-0.0145	-0.00854	-0.0022	0.0059187
30	0.4218	0.42434	0.4291	0.0023124	0.3936	0.40608	0.422	0.012192	-0.0298	-0.01826	-0.0066	0.01123
50	0.4213	0.42559	0.4298	0.0025313	0.3852	0.40154	0.4171	0.014374	-0.0381	-0.02405	-0.0093	0.013868
100	0.4232	0.42723	0.4318	0.0027769	0.374	0.39484	0.414	0.017508	-0.052	-0.03239	-0.0142	0.018466

Device Test: 6.89; VOL_PWRGD_2MA





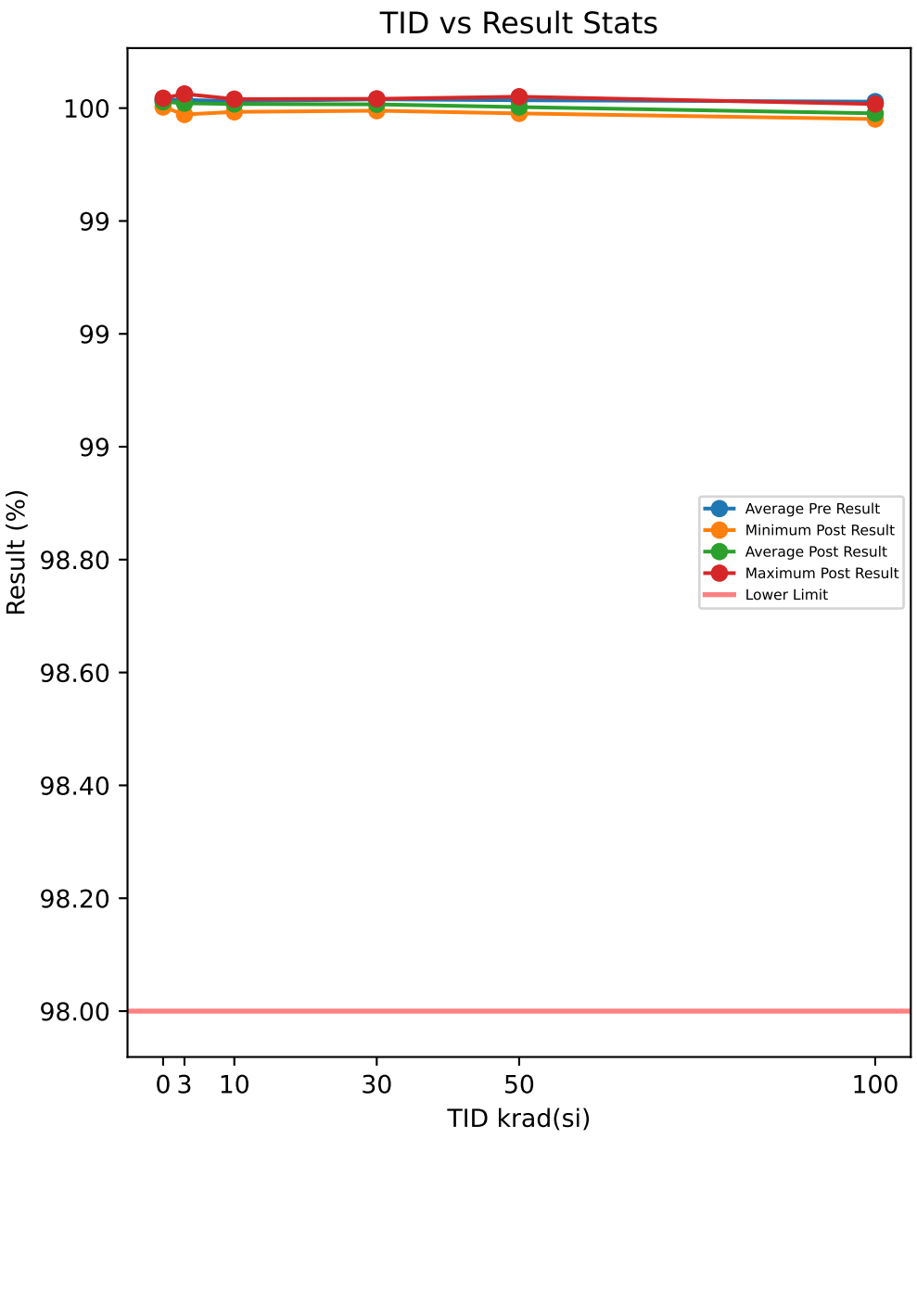
Test Results (Upper Limit = 5.0 (%))

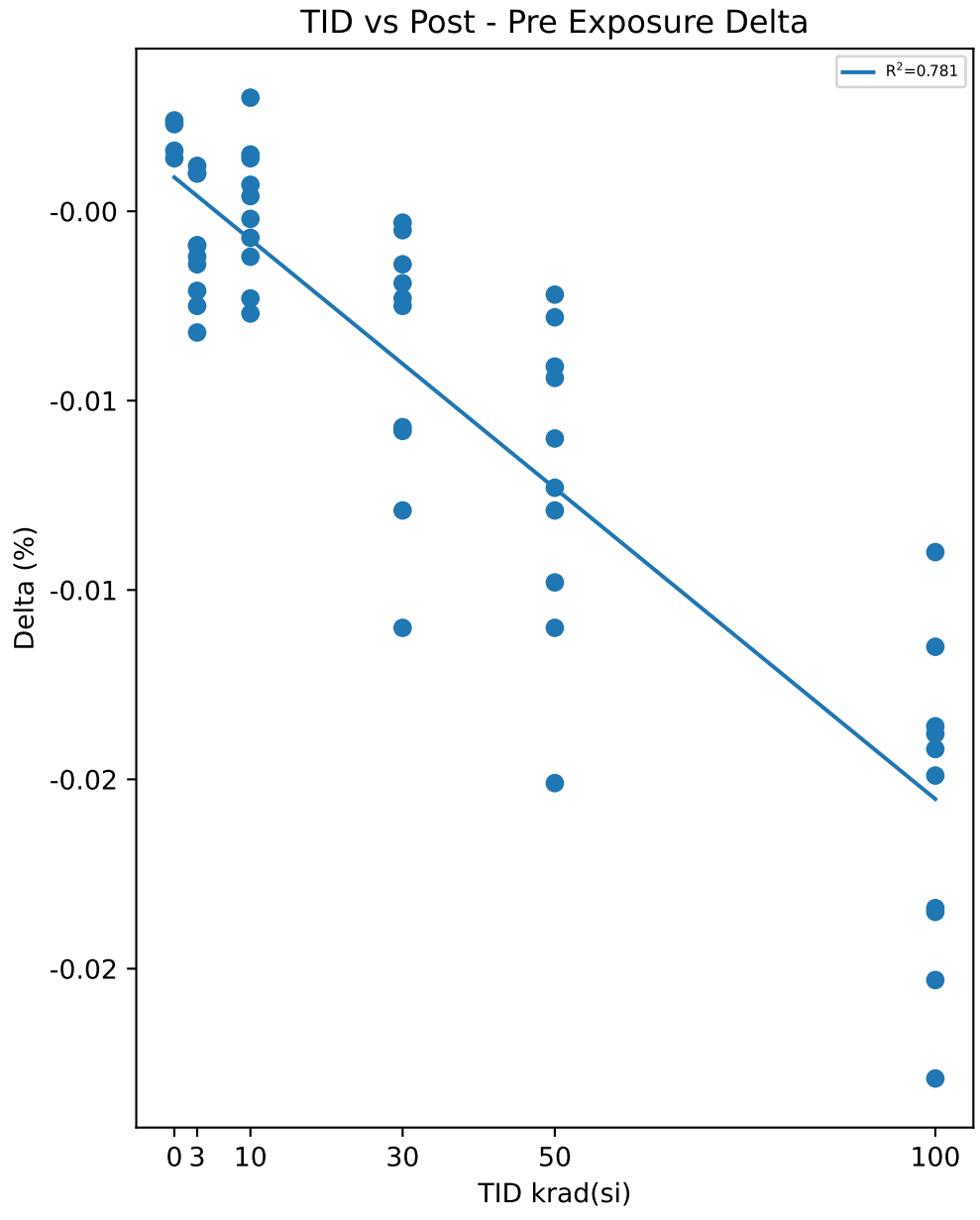
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.4161	0.414	-0.0021
3	3	Biased	0.4192	0.4172	-0.002
4	3	Biased	0.4132	0.4114	-0.0018
5	3	Biased	0.4181	0.416	-0.0021
6	3	Biased	0.4162	0.414	-0.0022
7	3	Unbiased	0.4186	0.4194	0.0008
8	3	Unbiased	0.4168	0.4187	0.0019
9	3	Unbiased	0.42	0.4223	0.0023
10	3	Unbiased	0.4202	0.4209	0.0007
11	3	Unbiased	0.4173	0.4187	0.0014
12	10	Unbiased	0.4231	0.4218	-0.0013
13	10	Unbiased	0.423	0.4219	-0.0011
14	10	Unbiased	0.4183	0.4176	-0.0007
15	10	Unbiased	0.4209	0.4188	-0.0021
16	10	Unbiased	0.4214	0.4196	-0.0018
17	10	Biased	0.4212	0.4095	-0.0117
18	10	Biased	0.419	0.4059	-0.0131
19	10	Biased	0.4232	0.4112	-0.012
20	10	Biased	0.42	0.4064	-0.0136
21	10	Biased	0.4196	0.4071	-0.0125
22	30	Biased	0.4185	0.3919	-0.0266
23	30	Biased	0.419	0.3923	-0.0267
24	30	Biased	0.4223	0.3948	-0.0275
25	30	Biased	0.4224	0.3927	-0.0297
26	30	Biased	0.4178	0.391	-0.0268
27	30	Unbiased	0.4212	0.4153	-0.0059
28	30	Unbiased	0.4219	0.4175	-0.0044
29	30	Unbiased	0.4176	0.4127	-0.0049
30	30	Unbiased	0.4201	0.4151	-0.005
31	30	Unbiased	0.4229	0.417	-0.0059
32	50	Biased	0.4215	0.385	-0.0365
33	50	Biased	0.4204	0.3852	-0.0352
34	50	Biased	0.4183	0.3824	-0.0359
35	50	Biased	0.4194	0.3825	-0.0369
36	50	Biased	0.422	0.3867	-0.0353
37	50	Unbiased	0.4176	0.4106	-0.007
39	50	Unbiased	0.4227	0.4129	-0.0098
40	50	Unbiased	0.4265	0.4175	-0.009
41	50	Unbiased	0.4199	0.4112	-0.0087
42	50	Unbiased	0.4194	0.4112	-0.0082
43	100	Biased	0.4259	0.3769	-0.049
44	100	Biased	0.4191	0.3687	-0.0504
45	100	Biased	0.4213	0.3721	-0.0492
46	100	Biased	0.4261	0.377	-0.0491
47	100	Biased	0.4238	0.3732	-0.0506
48	100	Unbiased	0.4192	0.4059	-0.0133
49	100	Unbiased	0.4199	0.4063	-0.0136
50	100	Unbiased	0.4221	0.4098	-0.0123
51	100	Unbiased	0.4197	0.4064	-0.0133
52	100	Unbiased	0.4236	0.4105	-0.0131
53	0	Correlation	0.4201	0.4216	0.0015
54	0	Correlation	0.4176	0.4184	0.0008
55	0	Correlation	0.4175	0.4185	0.001
56	0	Correlation	0.4204	0.4226	0.0022

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	0.4175	0.4189	0.4204	0.0015642	0.4184	0.42027	0.4226	0.0021469	0.0008	0.001375	0.0022	0.00062383
3	0.4132	0.41757	0.4202	0.0021245	0.4114	0.41726	0.4223	0.0034086	-0.0022	-0.00031	0.0023	0.0018835
10	0.4183	0.42097	0.4232	0.0017544	0.4059	0.41398	0.4219	0.0065801	-0.0136	-0.00699	-0.0007	0.0059269
30	0.4176	0.42037	0.4229	0.0020276	0.391	0.40403	0.4175	0.012213	-0.0297	-0.01634	-0.0044	0.011762
50	0.4176	0.42077	0.4265	0.0025691	0.3824	0.39852	0.4175	0.015096	-0.0369	-0.02225	-0.007	0.014477
100	0.4191	0.42207	0.4261	0.0026713	0.3687	0.39068	0.4105	0.018233	-0.0506	-0.03139	-0.0123	0.019268

Device Test: 6.9; VLDO_DO





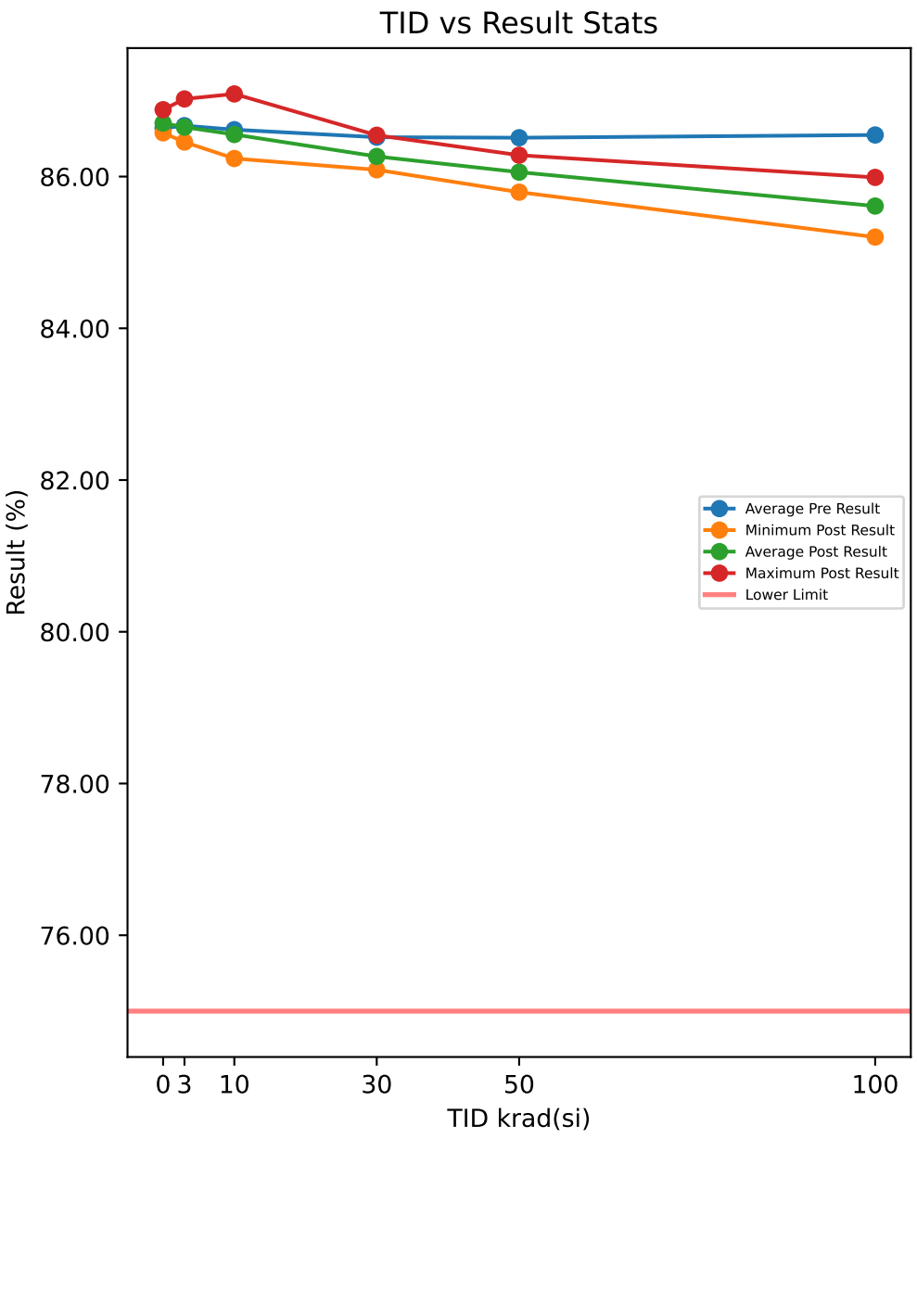
Test Results (Lower Limit = 98.0 (%))

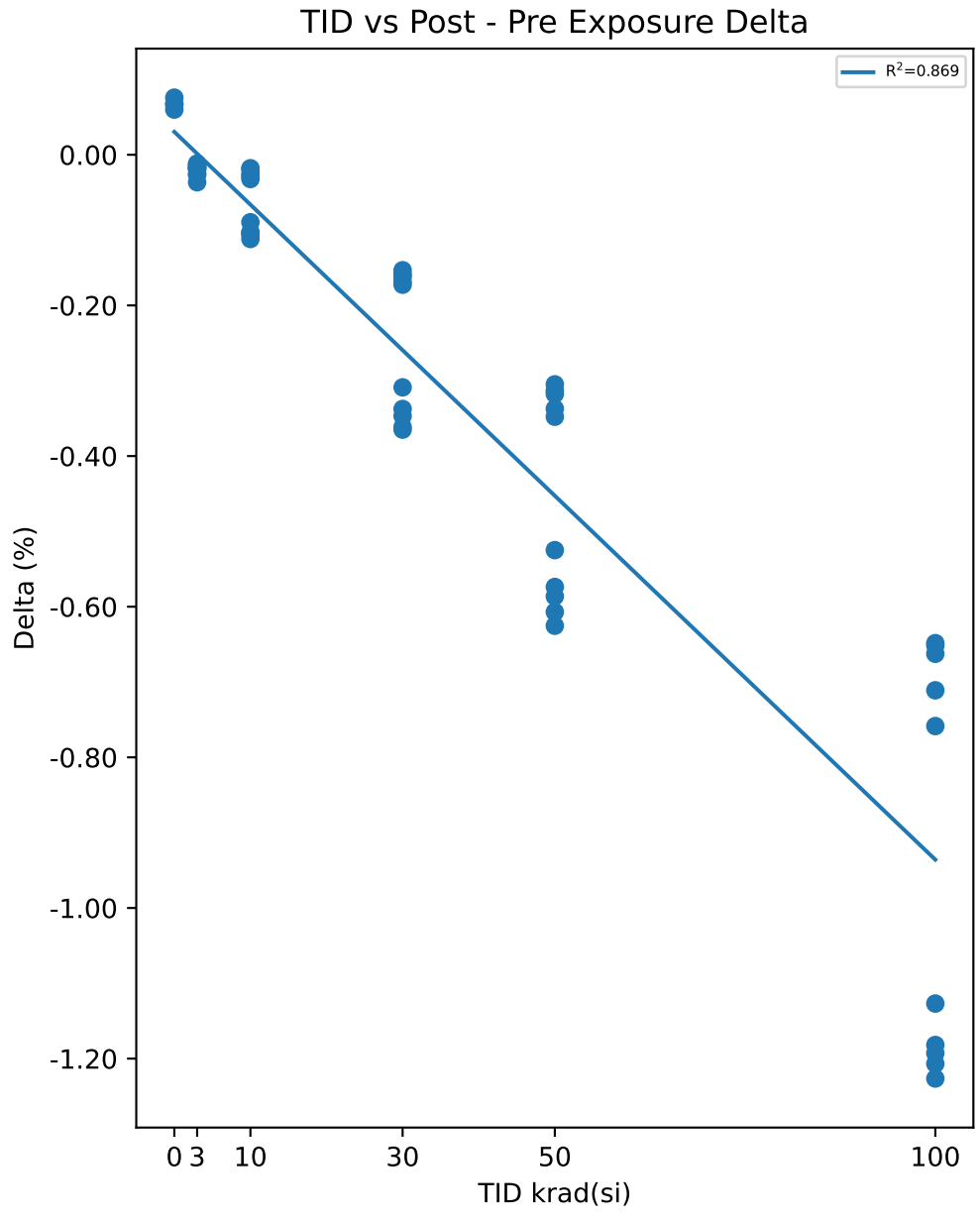
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	99.619	99.613	-0.0059
3	3	Biased	99.612	99.606	-0.0062
4	3	Biased	99.621	99.615	-0.0064
5	3	Biased	99.597	99.589	-0.0082
6	3	Biased	99.612	99.608	-0.004
7	3	Unbiased	99.625	99.619	-0.0059
8	3	Unbiased	99.62	99.612	-0.0075
9	3	Unbiased	99.612	99.605	-0.0071
10	3	Unbiased	99.629	99.625	-0.004
11	3	Unbiased	99.598	99.594	-0.0038
12	10	Unbiased	99.613	99.611	-0.002
13	10	Unbiased	99.598	99.593	-0.0046
14	10	Unbiased	99.616	99.61	-0.0057
15	10	Unbiased	99.621	99.616	-0.0052
16	10	Unbiased	99.616	99.613	-0.0035
17	10	Biased	99.613	99.606	-0.0073
18	10	Biased	99.605	99.601	-0.0043
19	10	Biased	99.617	99.611	-0.0062
20	10	Biased	99.615	99.612	-0.0036
21	10	Biased	99.608	99.6	-0.0077
22	30	Biased	99.606	99.595	-0.0108
23	30	Biased	99.614	99.609	-0.0055
24	30	Biased	99.609	99.602	-0.0069
25	30	Biased	99.613	99.606	-0.0075
26	30	Biased	99.622	99.615	-0.0073
27	30	Unbiased	99.623	99.616	-0.0064
28	30	Unbiased	99.619	99.606	-0.0129
29	30	Unbiased	99.619	99.609	-0.0107
30	30	Unbiased	99.621	99.605	-0.016
31	30	Unbiased	99.608	99.603	-0.0053
32	50	Biased	99.612	99.596	-0.016
33	50	Biased	99.616	99.608	-0.0072
34	50	Biased	99.609	99.598	-0.011
35	50	Biased	99.603	99.594	-0.0094
36	50	Biased	99.609	99.596	-0.0129
37	50	Unbiased	99.614	99.602	-0.0123
39	50	Unbiased	99.614	99.605	-0.0091
40	50	Unbiased	99.628	99.62	-0.0078
41	50	Unbiased	99.624	99.609	-0.0148
42	50	Unbiased	99.611	99.591	-0.0201
43	100	Biased	99.619	99.6	-0.0186
44	100	Biased	99.617	99.589	-0.0279
45	100	Biased	99.6	99.581	-0.0199
46	100	Biased	99.621	99.607	-0.014
47	100	Biased	99.608	99.592	-0.0165
48	100	Unbiased	99.609	99.585	-0.0235
49	100	Unbiased	99.607	99.588	-0.0192
50	100	Unbiased	99.613	99.588	-0.0253
51	100	Unbiased	99.606	99.582	-0.0234
52	100	Unbiased	99.614	99.595	-0.0188
53	0	Correlation	99.612	99.609	-0.0034
54	0	Correlation	99.619	99.616	-0.0027
55	0	Correlation	99.62	99.618	-0.0026
56	0	Correlation	99.606	99.602	-0.0036

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	99.606	99.614	99.62	0.0067148	99.602	99.611	99.618	0.0071981	-0.0036	-0.003075	-0.0026	0.00049917
3	99.597	99.615	99.629	0.010668	99.589	99.609	99.625	0.010986	-0.0082	-0.0059	-0.0038	0.001537
10	99.598	99.612	99.621	0.00684	99.593	99.607	99.616	0.0071195	-0.0077	-0.00501	-0.002	0.0017767
30	99.606	99.616	99.623	0.0061413	99.595	99.607	99.616	0.0060819	-0.016	-0.00893	-0.0053	0.0035362
50	99.603	99.614	99.628	0.0073166	99.591	99.602	99.62	0.0089606	-0.0201	-0.01206	-0.0072	0.0040437
100	99.6	99.611	99.621	0.0064934	99.581	99.591	99.607	0.0081493	-0.0279	-0.02071	-0.014	0.004237

Device Test: 6.90; VOH_RESET_10MA





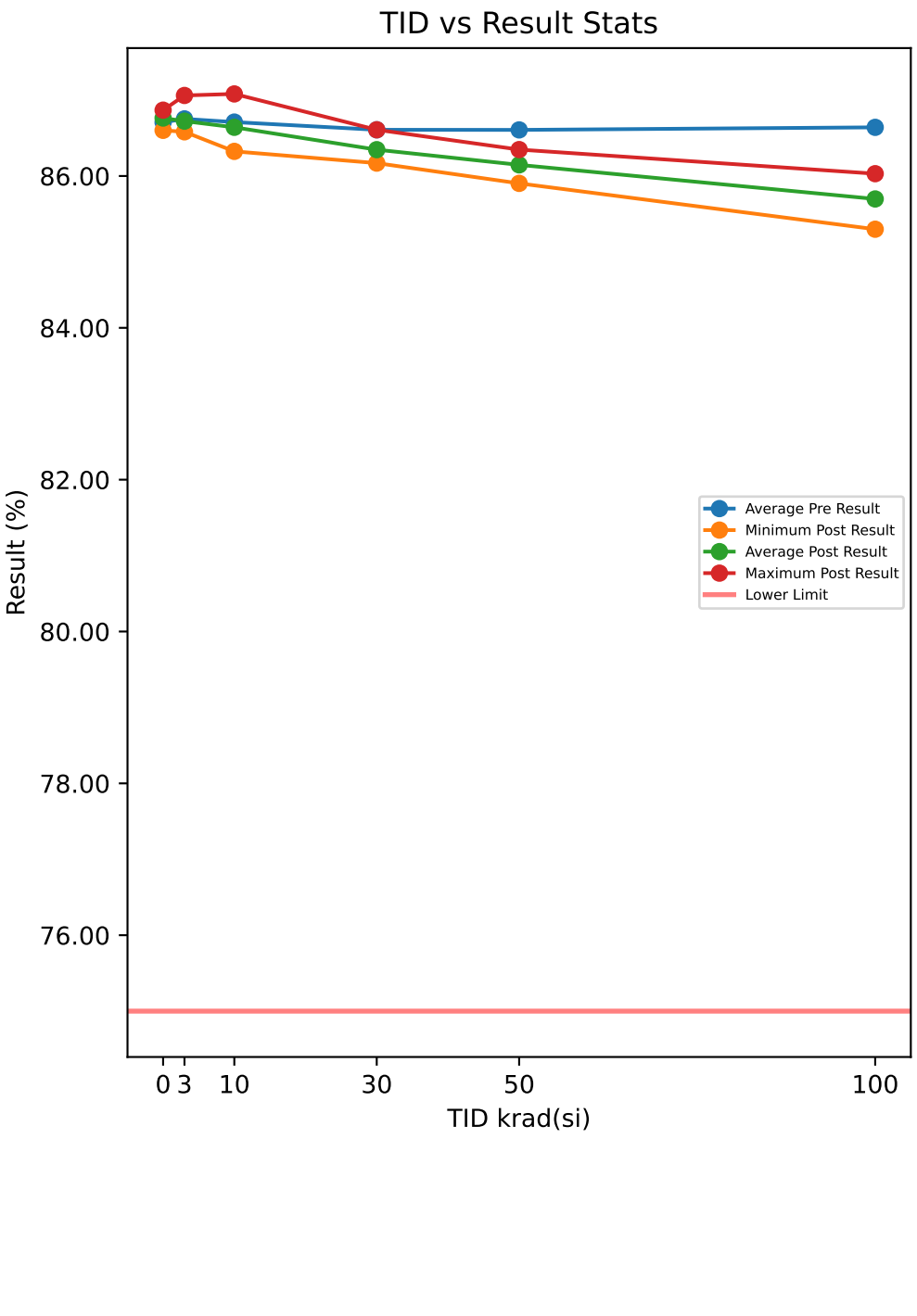
Test Results (Lower Limit = 75.0 (%))

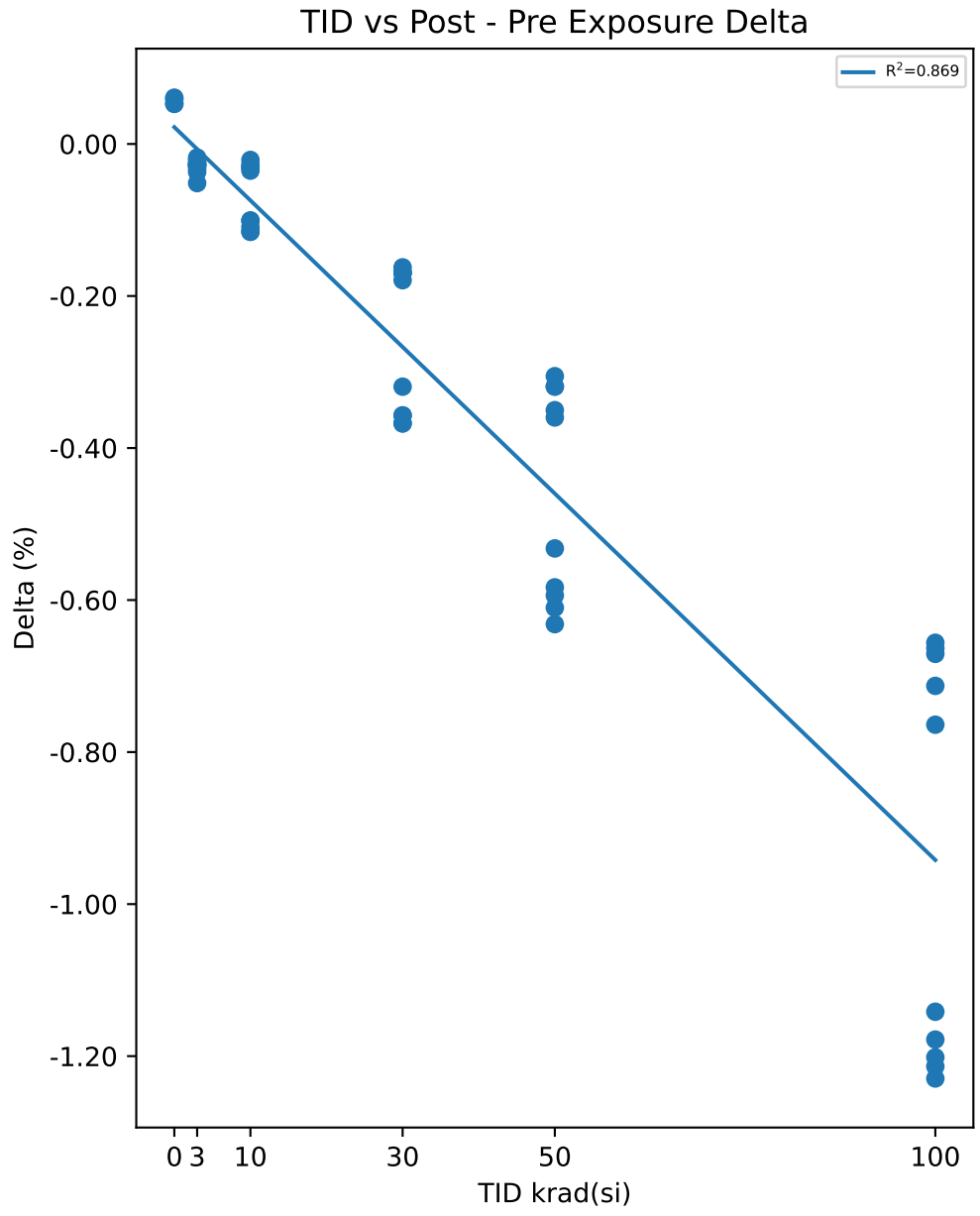
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	86.515	86.478	-0.0365
3	3	Biased	86.731	86.705	-0.0255
4	3	Biased	87.035	87.023	-0.0117
5	3	Biased	86.473	86.455	-0.0176
6	3	Biased	86.799	86.784	-0.016
7	3	Unbiased	86.683	86.657	-0.0264
8	3	Unbiased	86.681	86.663	-0.0185
9	3	Unbiased	86.569	86.556	-0.0126
10	3	Unbiased	86.701	86.686	-0.0151
11	3	Unbiased	86.524	86.505	-0.0188
12	10	Unbiased	86.4	86.296	-0.1035
13	10	Unbiased	86.35	86.238	-0.1118
14	10	Unbiased	86.465	86.358	-0.1062
15	10	Unbiased	86.542	86.439	-0.1029
16	10	Unbiased	86.724	86.635	-0.0896
17	10	Biased	86.649	86.62	-0.0285
18	10	Biased	86.62	86.595	-0.0249
19	10	Biased	87.107	87.089	-0.0179
20	10	Biased	86.742	86.723	-0.0187
21	10	Biased	86.584	86.552	-0.0322
22	30	Biased	86.388	86.219	-0.1688
23	30	Biased	86.251	86.089	-0.1621
24	30	Biased	86.413	86.24	-0.1725
25	30	Biased	86.704	86.545	-0.159
26	30	Biased	86.564	86.41	-0.1533
27	30	Unbiased	86.516	86.179	-0.3375
28	30	Unbiased	86.467	86.106	-0.3615
29	30	Unbiased	86.674	86.327	-0.3468
30	30	Unbiased	86.487	86.122	-0.3649
31	30	Unbiased	86.725	86.416	-0.3088
32	50	Biased	86.595	86.282	-0.3131
33	50	Biased	86.573	86.255	-0.3176
34	50	Biased	86.422	86.085	-0.3372
35	50	Biased	86.521	86.173	-0.3478
36	50	Biased	86.356	86.051	-0.3048
37	50	Unbiased	86.546	85.973	-0.5738
39	50	Unbiased	86.531	85.924	-0.607
40	50	Unbiased	86.686	86.161	-0.5249
41	50	Unbiased	86.42	85.795	-0.6253
42	50	Unbiased	86.472	85.885	-0.5863
43	100	Biased	86.638	85.989	-0.6484
44	100	Biased	86.511	85.8	-0.711
45	100	Biased	86.421	85.662	-0.7585
46	100	Biased	86.562	85.9	-0.6625
47	100	Biased	86.57	85.919	-0.6516
48	100	Unbiased	86.518	85.326	-1.1928
49	100	Unbiased	86.583	85.356	-1.2264
50	100	Unbiased	86.63	85.503	-1.1269
51	100	Unbiased	86.639	85.457	-1.1819
52	100	Unbiased	86.409	85.202	-1.2068
53	0	Correlation	86.53	86.597	0.0663
54	0	Correlation	86.509	86.576	0.0678
55	0	Correlation	86.821	86.881	0.06
56	0	Correlation	86.689	86.765	0.0758

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	86.509	86.637	86.821	0.14675	86.576	86.705	86.881	0.14493	0.06	0.067475	0.0758	0.0064979
3	86.473	86.671	87.035	0.16649	86.455	86.651	87.023	0.1696	-0.0365	-0.01987	-0.0117	0.0075748
10	86.35	86.618	87.107	0.21519	86.238	86.555	87.089	0.24616	-0.1118	-0.06362	-0.0179	0.04186
30	86.251	86.519	86.725	0.15135	86.089	86.265	86.545	0.1538	-0.3649	-0.25352	-0.1533	0.096582
50	86.356	86.512	86.686	0.097281	85.795	86.058	86.282	0.16267	-0.6253	-0.45378	-0.3048	0.13955
100	86.409	86.548	86.639	0.083402	85.202	85.611	85.989	0.28051	-1.2264	-0.93668	-0.6484	0.26688

Device Test: 6.91; VOH_RESET_10MA





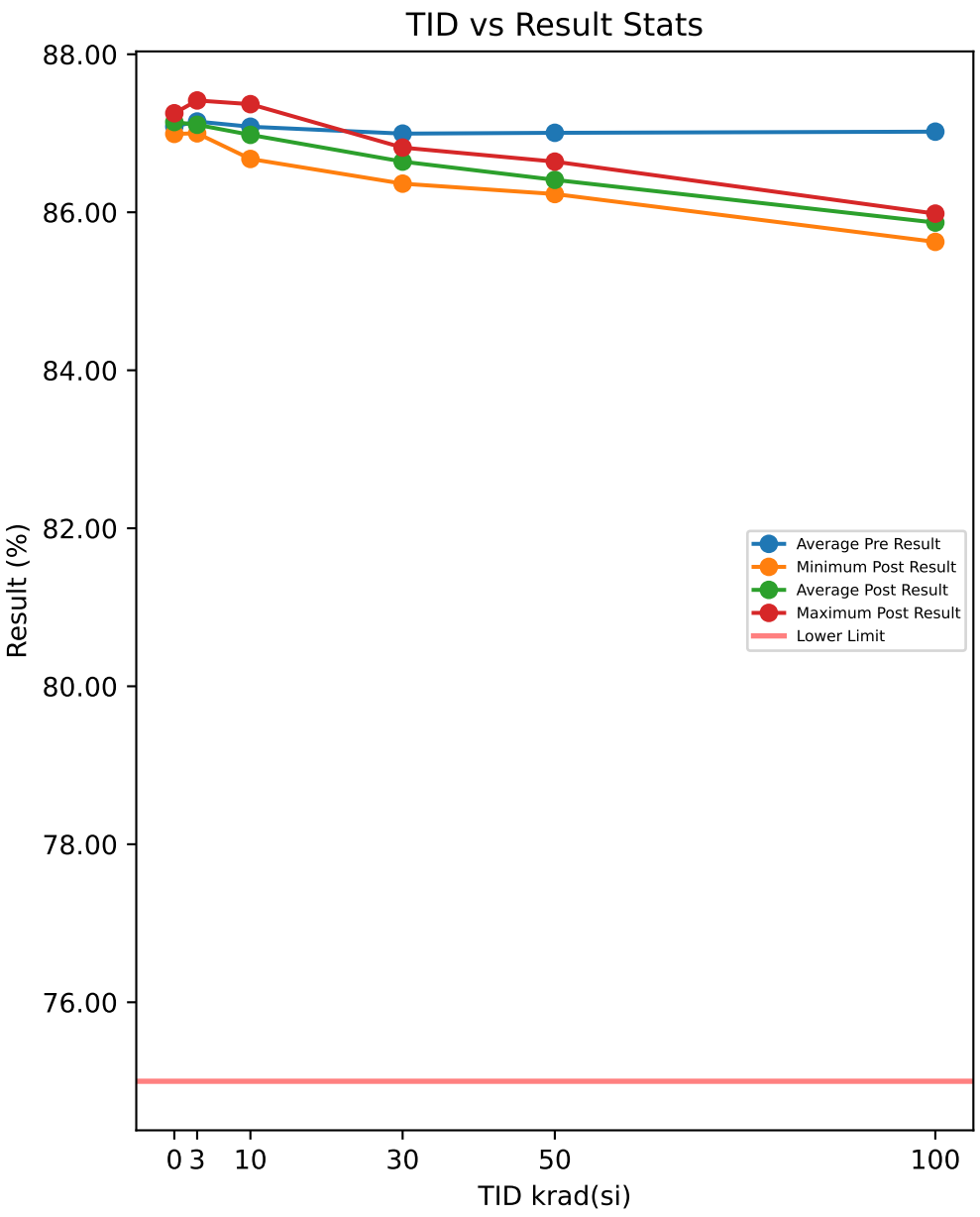
Test Results (Lower Limit = 75.0 (%))

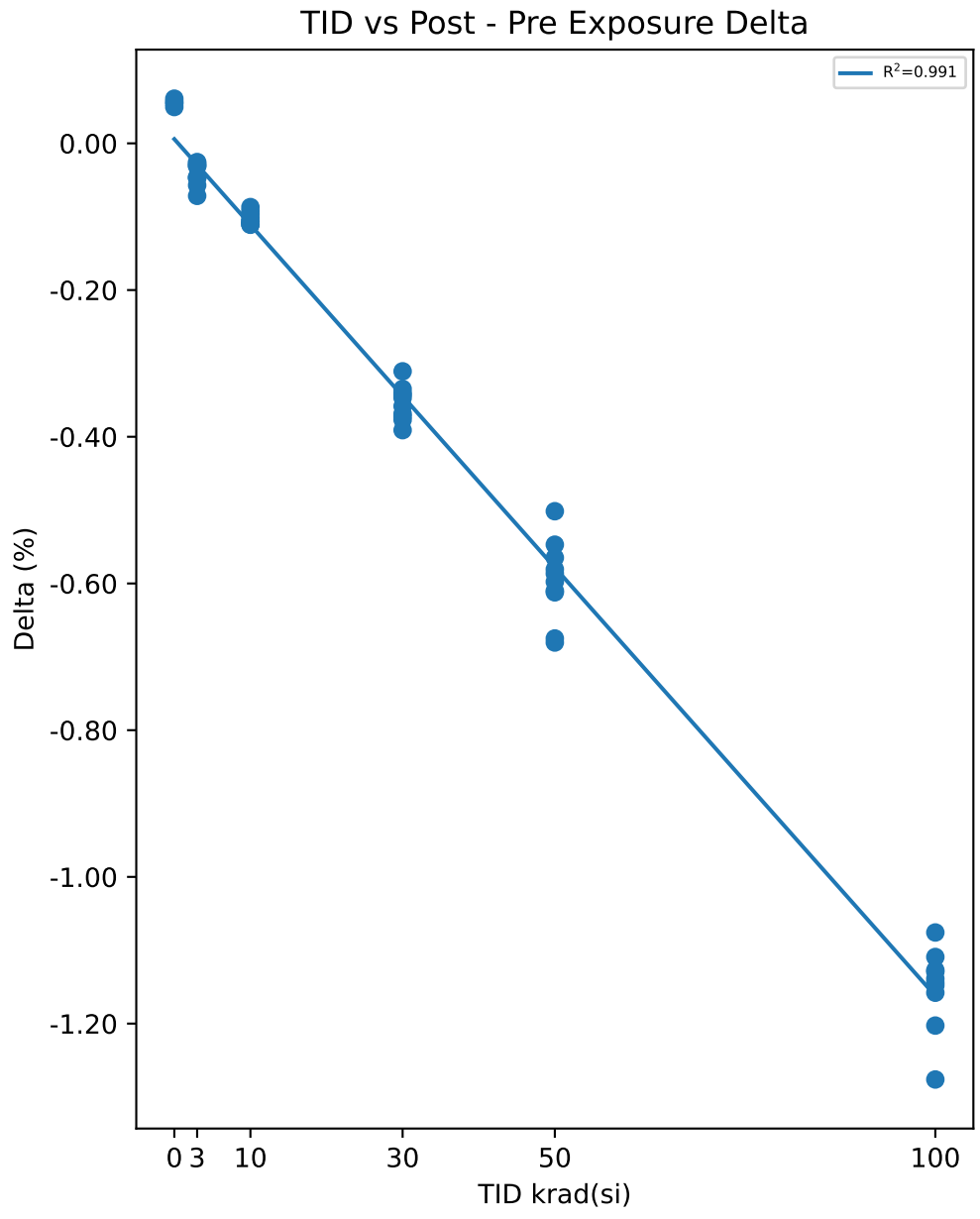
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	86.659	86.607	-0.0515
3	3	Biased	86.794	86.757	-0.037
4	3	Biased	87.079	87.061	-0.0179
5	3	Biased	86.642	86.62	-0.0217
6	3	Biased	86.776	86.75	-0.026
7	3	Unbiased	86.7	86.667	-0.0324
8	3	Unbiased	86.768	86.74	-0.0284
9	3	Unbiased	86.711	86.684	-0.0263
10	3	Unbiased	86.784	86.757	-0.0272
11	3	Unbiased	86.61	86.582	-0.028
12	10	Unbiased	86.487	86.371	-0.1155
13	10	Unbiased	86.44	86.324	-0.1155
14	10	Unbiased	86.571	86.462	-0.1092
15	10	Unbiased	86.661	86.56	-0.1007
16	10	Unbiased	86.879	86.779	-0.1008
17	10	Biased	86.792	86.763	-0.0296
18	10	Biased	86.71	86.678	-0.0315
19	10	Biased	87.102	87.081	-0.021
20	10	Biased	86.765	86.737	-0.0275
21	10	Biased	86.694	86.659	-0.0351
22	30	Biased	86.602	86.432	-0.1695
23	30	Biased	86.34	86.17	-0.1698
24	30	Biased	86.499	86.32	-0.1792
25	30	Biased	86.778	86.609	-0.169
26	30	Biased	86.715	86.553	-0.1623
27	30	Unbiased	86.576	86.219	-0.3571
28	30	Unbiased	86.541	86.173	-0.3674
29	30	Unbiased	86.725	86.368	-0.3571
30	30	Unbiased	86.572	86.205	-0.3677
31	30	Unbiased	86.739	86.419	-0.3193
32	50	Biased	86.667	86.348	-0.3193
33	50	Biased	86.635	86.316	-0.3189
34	50	Biased	86.496	86.146	-0.3502
35	50	Biased	86.577	86.217	-0.3598
36	50	Biased	86.451	86.145	-0.3055
37	50	Unbiased	86.625	86.042	-0.5833
39	50	Unbiased	86.688	86.078	-0.6101
40	50	Unbiased	86.754	86.221	-0.5321
41	50	Unbiased	86.534	85.903	-0.6317
42	50	Unbiased	86.645	86.051	-0.594
43	100	Biased	86.687	86.031	-0.6562
44	100	Biased	86.662	85.949	-0.7129
45	100	Biased	86.513	85.749	-0.764
46	100	Biased	86.692	86.021	-0.6708
47	100	Biased	86.647	85.984	-0.6634
48	100	Unbiased	86.603	85.402	-1.2016
49	100	Unbiased	86.697	85.467	-1.2294
50	100	Unbiased	86.636	85.494	-1.1416
51	100	Unbiased	86.758	85.58	-1.1782
52	100	Unbiased	86.513	85.299	-1.2135
53	0	Correlation	86.726	86.785	0.0591
54	0	Correlation	86.549	86.602	0.0531
55	0	Correlation	86.814	86.867	0.0527
56	0	Correlation	86.739	86.8	0.0609

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	86.549	86.707	86.814	0.11268	86.602	86.764	86.867	0.1137	0.0527	0.05645	0.0609	0.0041677
3	86.61	86.752	87.079	0.13157	86.582	86.722	87.061	0.13575	-0.0515	-0.02964	-0.0179	0.0092802
10	86.44	86.71	87.102	0.19343	86.324	86.641	87.081	0.22353	-0.1155	-0.06864	-0.021	0.042281
30	86.34	86.609	86.778	0.13415	86.17	86.347	86.609	0.15742	-0.3677	-0.26184	-0.1623	0.09784
50	86.451	86.607	86.754	0.09254	85.903	86.147	86.348	0.13503	-0.6317	-0.46049	-0.3055	0.13986
100	86.513	86.641	86.758	0.079042	85.299	85.698	86.031	0.28244	-1.2294	-0.94316	-0.6562	0.2659

Device Test: 6.92; VOH_RESET_10MA





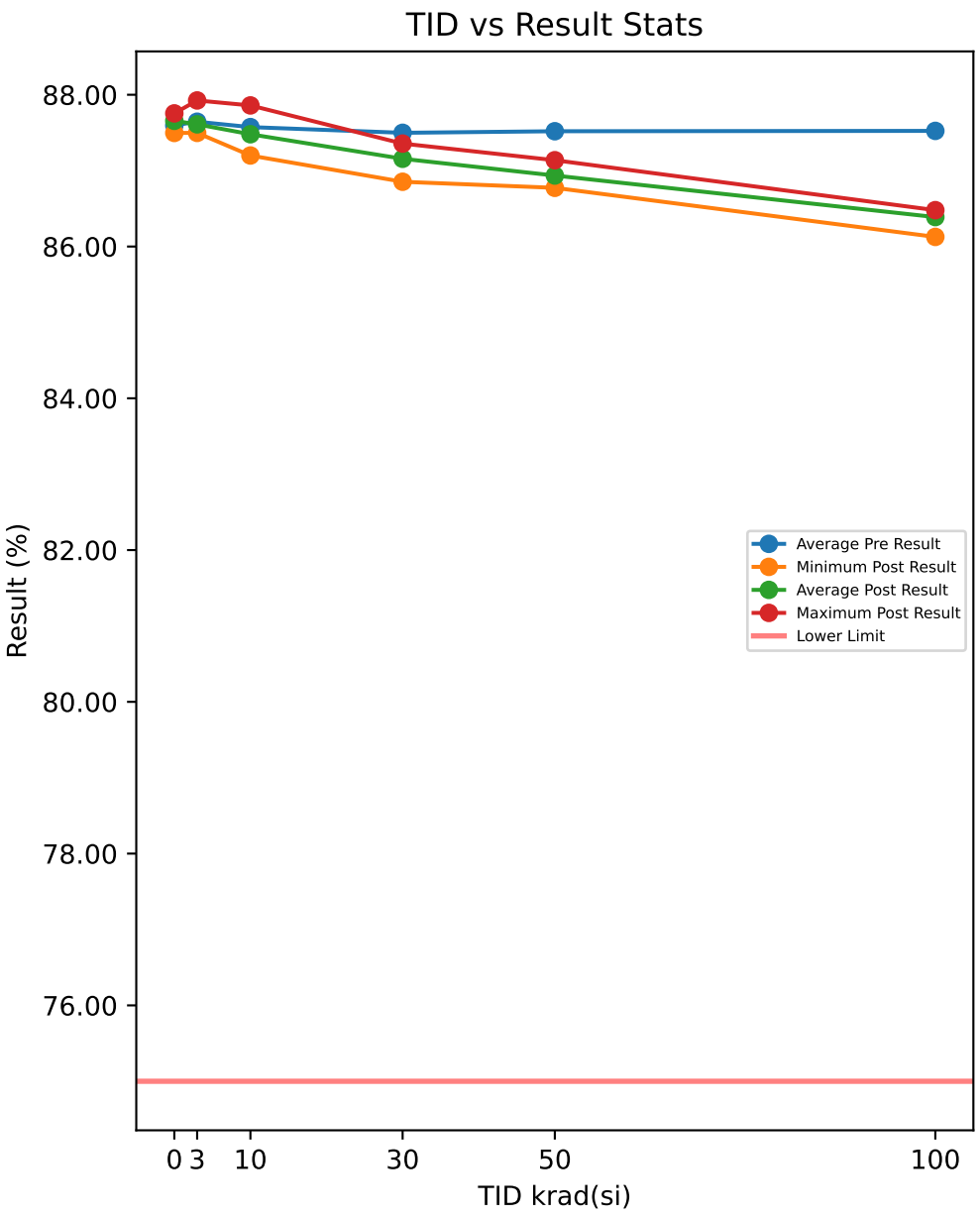
Test Results (Lower Limit = 75.0 (%))

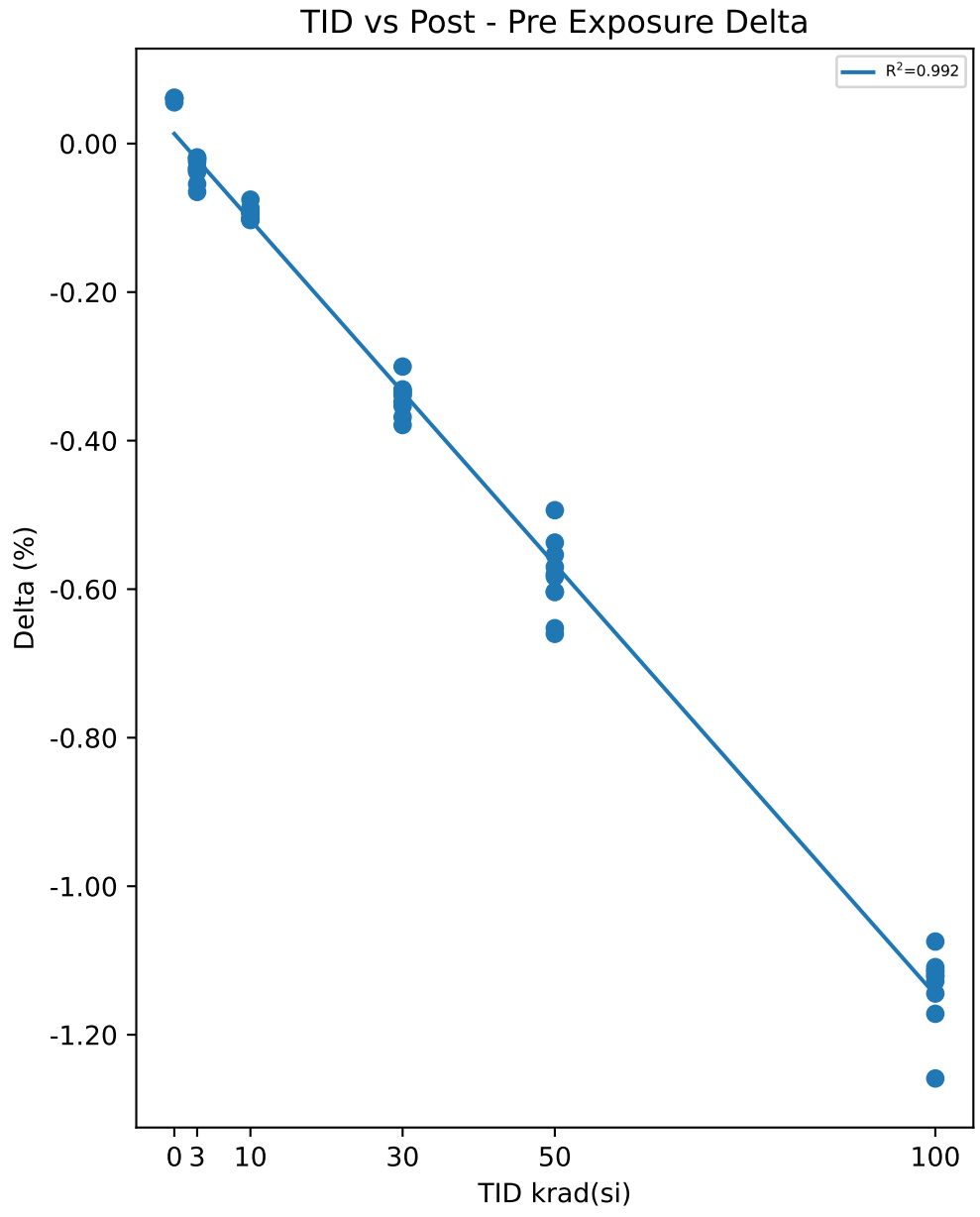
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	87.072	87.001	-0.0716
3	3	Biased	87.144	87.087	-0.0572
4	3	Biased	87.462	87.415	-0.0469
5	3	Biased	87.071	87.024	-0.0472
6	3	Biased	87.156	87.11	-0.0458
7	3	Unbiased	87.087	87.057	-0.0297
8	3	Unbiased	87.152	87.121	-0.0309
9	3	Unbiased	87.124	87.097	-0.0269
10	3	Unbiased	87.194	87.163	-0.0309
11	3	Unbiased	87.025	86.999	-0.0255
12	10	Unbiased	86.891	86.78	-0.111
13	10	Unbiased	86.785	86.675	-0.1103
14	10	Unbiased	86.919	86.812	-0.1063
15	10	Unbiased	87.09	86.993	-0.0963
16	10	Unbiased	87.208	87.116	-0.0925
17	10	Biased	87.232	87.126	-0.1062
18	10	Biased	87.088	86.981	-0.1071
19	10	Biased	87.455	87.368	-0.0869
20	10	Biased	87.119	87.017	-0.1014
21	10	Biased	87.04	86.93	-0.1099
22	30	Biased	87.013	86.641	-0.3722
23	30	Biased	86.739	86.362	-0.3769
24	30	Biased	86.908	86.517	-0.391
25	30	Biased	87.187	86.819	-0.3686
26	30	Biased	87.099	86.74	-0.3583
27	30	Unbiased	86.964	86.629	-0.3348
28	30	Unbiased	86.948	86.601	-0.347
29	30	Unbiased	87.073	86.732	-0.3406
30	30	Unbiased	86.959	86.616	-0.3427
31	30	Unbiased	87.065	86.754	-0.3108
32	50	Biased	87.072	86.462	-0.61
33	50	Biased	87.071	86.459	-0.6121
34	50	Biased	86.915	86.24	-0.675
35	50	Biased	86.911	86.231	-0.6805
36	50	Biased	86.866	86.28	-0.5865
37	50	Unbiased	87.07	86.523	-0.5471
39	50	Unbiased	87.064	86.483	-0.5807
40	50	Unbiased	87.142	86.641	-0.5015
41	50	Unbiased	86.917	86.319	-0.5977
42	50	Unbiased	87.029	86.464	-0.5649
43	100	Biased	87.022	85.895	-1.1271
44	100	Biased	87.128	85.925	-1.2027
45	100	Biased	86.901	85.625	-1.2762
46	100	Biased	87.051	85.893	-1.1579
47	100	Biased	86.994	85.85	-1.1442
48	100	Unbiased	86.963	85.834	-1.1293
49	100	Unbiased	87.102	85.954	-1.148
50	100	Unbiased	87.035	85.959	-1.0758
51	100	Unbiased	87.092	85.983	-1.1092
52	100	Unbiased	86.914	85.775	-1.1389
53	0	Correlation	87.082	87.143	0.0609
54	0	Correlation	86.935	86.992	0.0567
55	0	Correlation	87.204	87.253	0.0495
56	0	Correlation	87.127	87.181	0.0543

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	86.935	87.087	87.204	0.11283	86.992	87.142	87.253	0.11008	0.0495	0.05535	0.0609	0.0047592
3	87.025	87.149	87.462	0.12115	86.999	87.107	87.415	0.12076	-0.0716	-0.04126	-0.0255	0.015148
10	86.785	87.083	87.455	0.19217	86.675	86.98	87.368	0.19886	-0.111	-0.10279	-0.0869	0.0082953
30	86.739	86.996	87.187	0.12324	86.362	86.641	86.819	0.13257	-0.391	-0.35429	-0.3108	0.02368
50	86.866	87.006	87.142	0.094299	86.231	86.41	86.641	0.13575	-0.6805	-0.5956	-0.5015	0.054212
100	86.901	87.02	87.128	0.077391	85.625	85.869	85.983	0.10672	-1.2762	-1.1509	-1.0758	0.054814

Device Test: 6.93; VOH_RESET_10MA





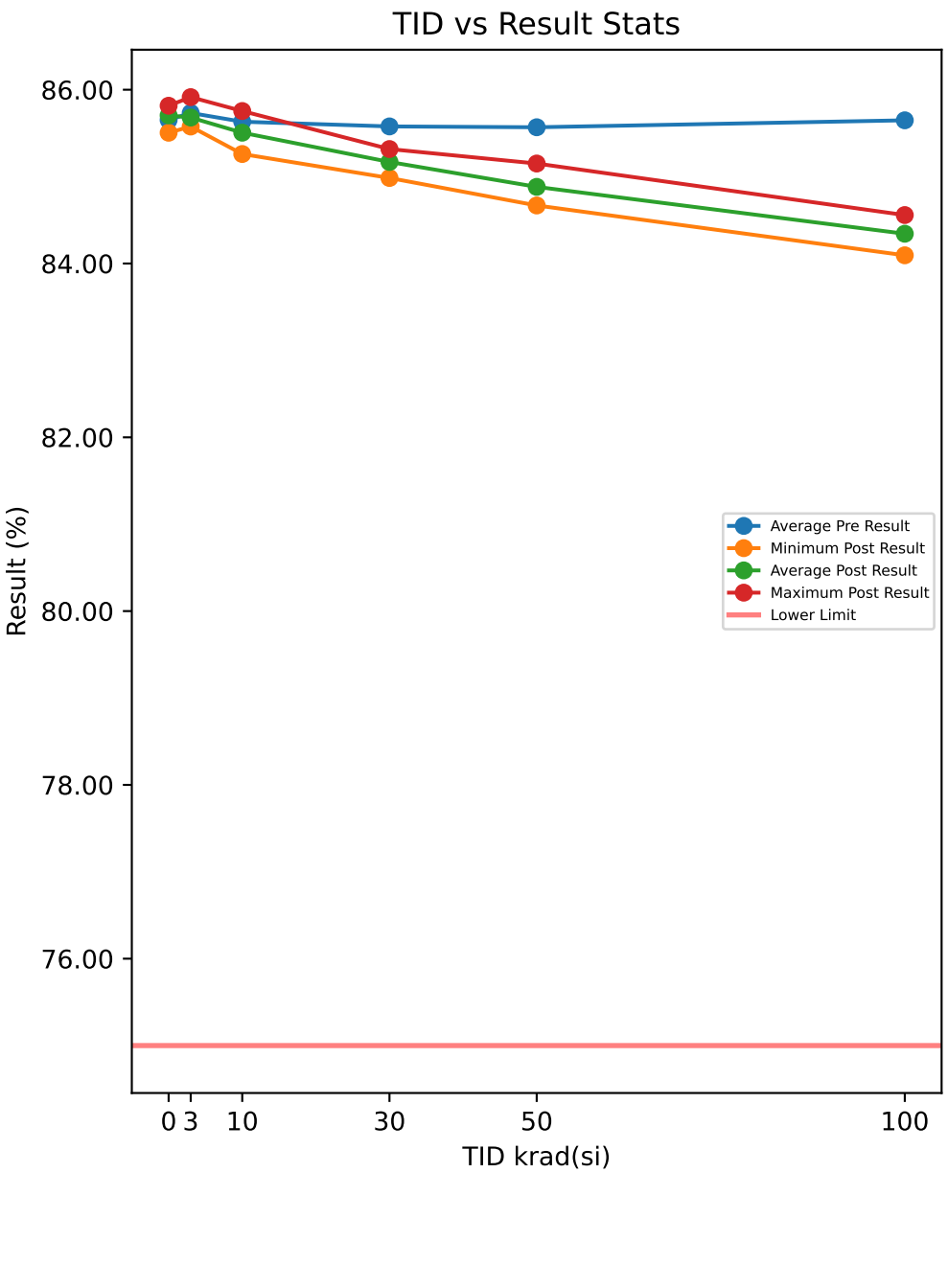
Test Results (Lower Limit = 75.0 (%))

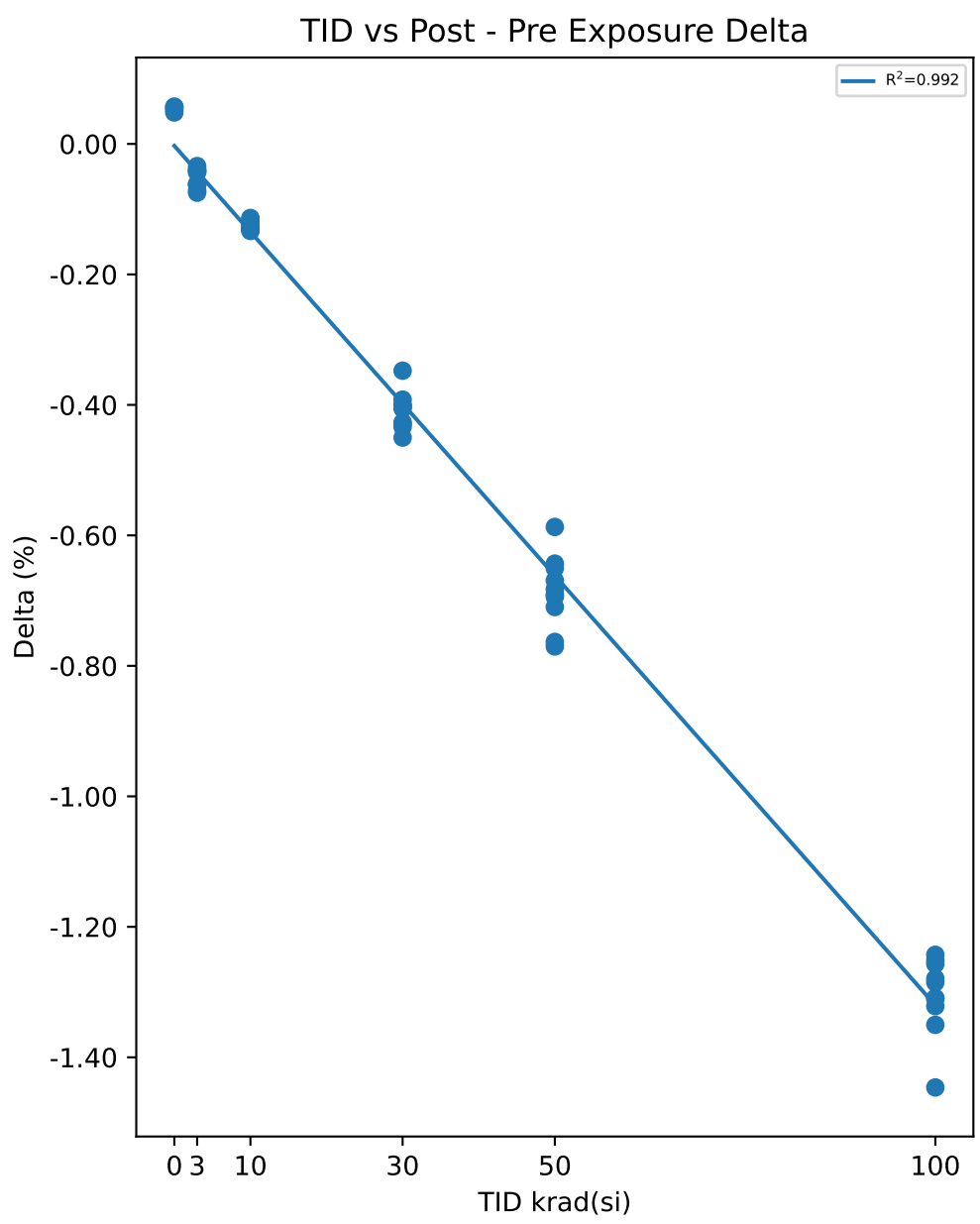
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	87.602	87.537	-0.0651
3	3	Biased	87.662	87.608	-0.0545
4	3	Biased	87.958	87.925	-0.0333
5	3	Biased	87.581	87.545	-0.0366
6	3	Biased	87.659	87.621	-0.0381
7	3	Unbiased	87.53	87.498	-0.0327
8	3	Unbiased	87.621	87.6	-0.021
9	3	Unbiased	87.593	87.575	-0.0186
10	3	Unbiased	87.691	87.672	-0.0194
11	3	Unbiased	87.547	87.523	-0.0245
12	10	Unbiased	87.4	87.297	-0.1026
13	10	Unbiased	87.302	87.2	-0.103
14	10	Unbiased	87.446	87.346	-0.1006
15	10	Unbiased	87.602	87.509	-0.0931
16	10	Unbiased	87.653	87.567	-0.0869
17	10	Biased	87.708	87.607	-0.1012
18	10	Biased	87.58	87.486	-0.0941
19	10	Biased	87.935	87.859	-0.0755
20	10	Biased	87.605	87.513	-0.0922
21	10	Biased	87.505	87.414	-0.0911
22	30	Biased	87.511	87.158	-0.3535
23	30	Biased	87.222	86.853	-0.3683
24	30	Biased	87.431	87.052	-0.379
25	30	Biased	87.704	87.356	-0.3474
26	30	Biased	87.573	87.234	-0.339
27	30	Unbiased	87.479	87.148	-0.331
28	30	Unbiased	87.481	87.144	-0.3376
29	30	Unbiased	87.56	87.227	-0.333
30	30	Unbiased	87.485	87.151	-0.3337
31	30	Unbiased	87.539	87.239	-0.3003
32	50	Biased	87.579	86.975	-0.6035
33	50	Biased	87.593	86.99	-0.6038
34	50	Biased	87.434	86.773	-0.6602
35	50	Biased	87.445	86.793	-0.6526
36	50	Biased	87.39	86.806	-0.5833
37	50	Unbiased	87.554	87.017	-0.5373
39	50	Unbiased	87.592	87.021	-0.5702
40	50	Unbiased	87.631	87.138	-0.4937
41	50	Unbiased	87.444	86.864	-0.5799
42	50	Unbiased	87.53	86.976	-0.5538
43	100	Biased	87.522	86.401	-1.1204
44	100	Biased	87.624	86.452	-1.1718
45	100	Biased	87.386	86.127	-1.2589
46	100	Biased	87.607	86.479	-1.128
47	100	Biased	87.514	86.393	-1.1216
48	100	Unbiased	87.522	86.409	-1.1131
49	100	Unbiased	87.546	86.402	-1.1445
50	100	Unbiased	87.527	86.453	-1.0745
51	100	Unbiased	87.582	86.473	-1.109
52	100	Unbiased	87.408	86.292	-1.1157
53	0	Correlation	87.617	87.677	0.0609
54	0	Correlation	87.436	87.497	0.0605
55	0	Correlation	87.699	87.754	0.0555
56	0	Correlation	87.635	87.697	0.0618

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	87.436	87.597	87.699	0.11254	87.497	87.656	87.754	0.11123	0.0555	0.059675	0.0618	0.0028359
3	87.53	87.645	87.958	0.12137	87.498	87.61	87.925	0.12216	-0.0651	-0.03438	-0.0186	0.015353
10	87.302	87.574	87.935	0.17687	87.2	87.48	87.859	0.18382	-0.103	-0.09403	-0.0755	0.0085341
30	87.222	87.499	87.704	0.12257	86.853	87.156	87.356	0.13358	-0.379	-0.34228	-0.3003	0.021755
50	87.39	87.519	87.631	0.083916	86.773	86.935	87.138	0.11991	-0.6602	-0.58383	-0.4937	0.050265
100	87.386	87.524	87.624	0.077016	86.127	86.388	86.479	0.10645	-1.2589	-1.1357	-1.0745	0.049911

Device Test: 6.94; VOH_WDO_10MA





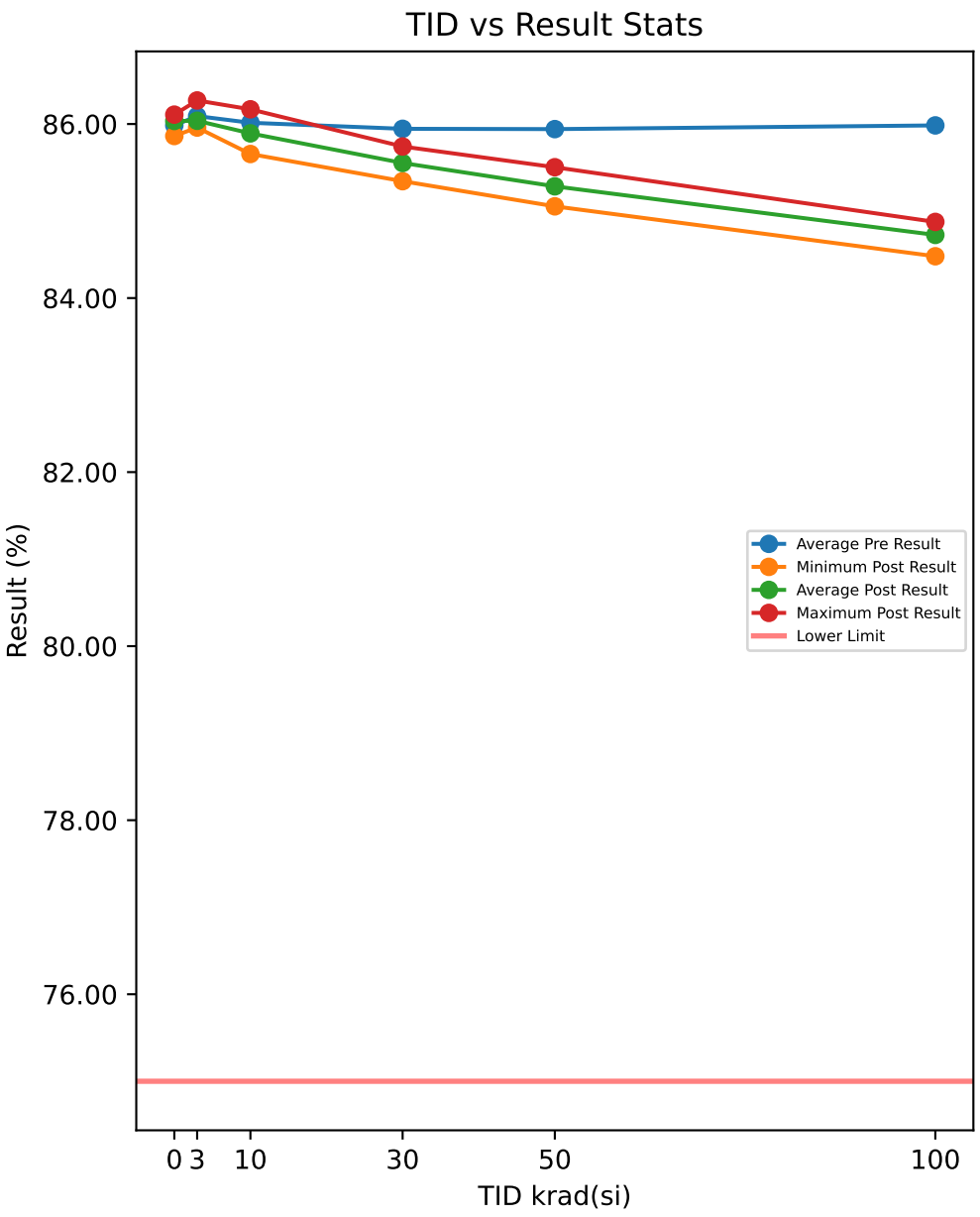
Test Results (Lower Limit = 75.0 (%))

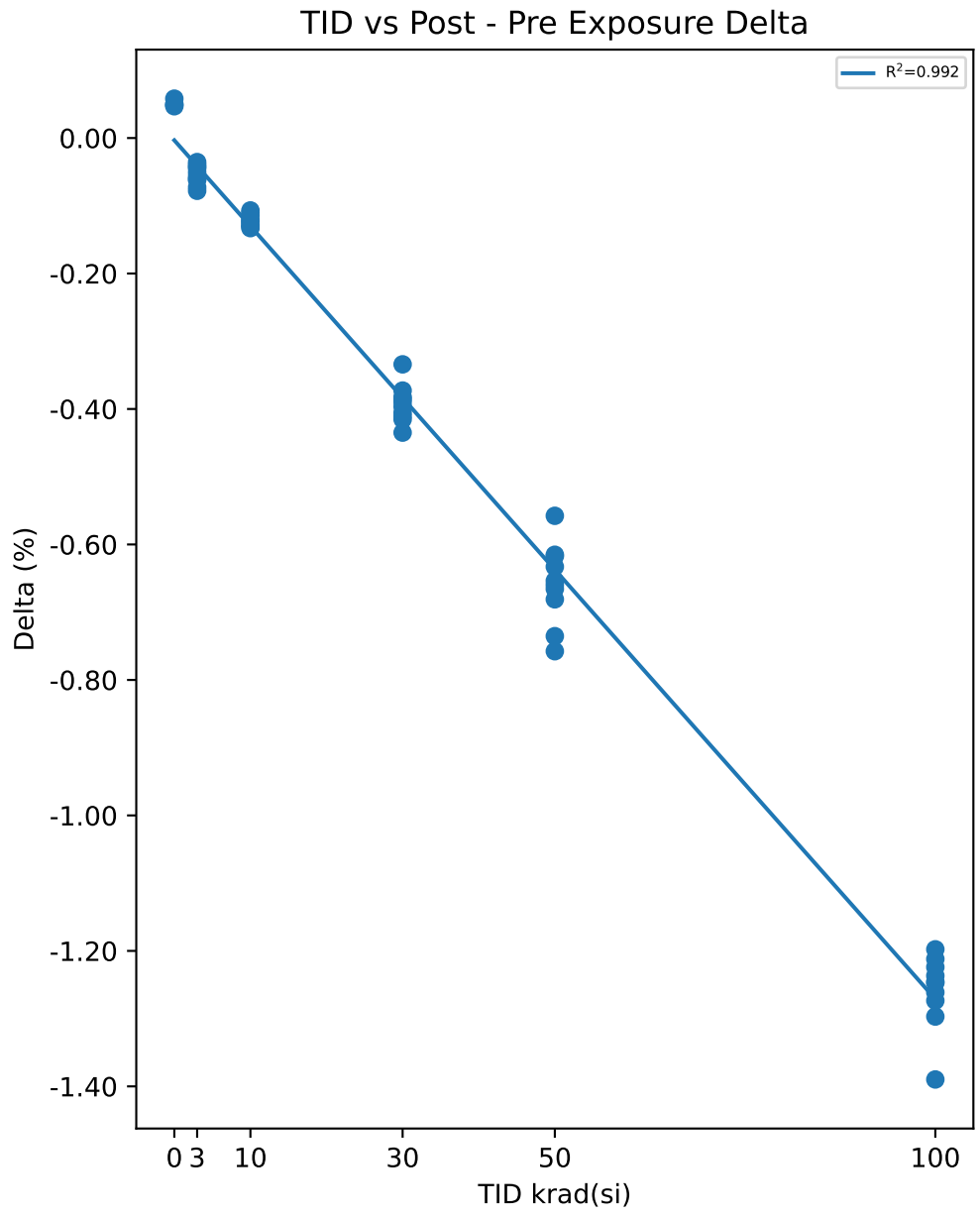
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	85.742	85.667	-0.0747
3	3	Biased	85.764	85.692	-0.0714
4	3	Biased	85.976	85.915	-0.0618
5	3	Biased	85.638	85.576	-0.0617
6	3	Biased	85.722	85.66	-0.0622
7	3	Unbiased	85.635	85.596	-0.0391
8	3	Unbiased	85.731	85.689	-0.0423
9	3	Unbiased	85.755	85.715	-0.0402
10	3	Unbiased	85.723	85.68	-0.0436
11	3	Unbiased	85.639	85.605	-0.034
12	10	Unbiased	85.476	85.348	-0.128
13	10	Unbiased	85.387	85.26	-0.1266
14	10	Unbiased	85.557	85.425	-0.1321
15	10	Unbiased	85.675	85.547	-0.1285
16	10	Unbiased	85.759	85.645	-0.1135
17	10	Biased	85.729	85.606	-0.1224
18	10	Biased	85.61	85.479	-0.1311
19	10	Biased	85.87	85.755	-0.1152
20	10	Biased	85.685	85.552	-0.1334
21	10	Biased	85.569	85.438	-0.1308
22	30	Biased	85.629	85.199	-0.4294
23	30	Biased	85.418	84.984	-0.4337
24	30	Biased	85.474	85.024	-0.4501
25	30	Biased	85.744	85.317	-0.4268
26	30	Biased	85.663	85.26	-0.4028
27	30	Unbiased	85.565	85.173	-0.392
28	30	Unbiased	85.575	85.174	-0.4005
29	30	Unbiased	85.526	85.12	-0.4057
30	30	Unbiased	85.549	85.148	-0.4008
31	30	Unbiased	85.634	85.286	-0.3476
32	50	Biased	85.609	84.9	-0.7098
33	50	Biased	85.708	85.014	-0.6941
34	50	Biased	85.438	84.668	-0.7702
35	50	Biased	85.543	84.779	-0.7633
36	50	Biased	85.4	84.718	-0.6826
37	50	Unbiased	85.559	84.909	-0.6503
39	50	Unbiased	85.646	84.977	-0.6691
40	50	Unbiased	85.738	85.15	-0.5871
41	50	Unbiased	85.5	84.809	-0.6907
42	50	Unbiased	85.538	84.895	-0.6433
43	100	Biased	85.606	84.327	-1.2793
44	100	Biased	85.79	84.439	-1.3502
45	100	Biased	85.541	84.094	-1.4462
46	100	Biased	85.722	84.412	-1.31
47	100	Biased	85.668	84.411	-1.2569
48	100	Unbiased	85.676	84.391	-1.2851
49	100	Unbiased	85.682	84.36	-1.3216
50	100	Unbiased	85.551	84.299	-1.2513
51	100	Unbiased	85.8	84.558	-1.2429
52	100	Unbiased	85.444	84.135	-1.3092
53	0	Correlation	85.654	85.71	0.0559
54	0	Correlation	85.457	85.505	0.0482
55	0	Correlation	85.736	85.788	0.0523
56	0	Correlation	85.758	85.816	0.0572

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	85.457	85.651	85.758	0.13723	85.505	85.705	85.816	0.14049	0.0482	0.0534	0.0572	0.004039
3	85.635	85.733	85.976	0.099023	85.576	85.68	85.915	0.094477	-0.0747	-0.0531	-0.034	0.014787
10	85.387	85.632	85.87	0.14195	85.26	85.506	85.755	0.14623	-0.1334	-0.12616	-0.1135	0.00697
30	85.418	85.578	85.744	0.094642	84.984	85.169	85.317	0.10697	-0.4501	-0.40894	-0.3476	0.028441
50	85.4	85.568	85.738	0.10919	84.668	84.882	85.15	0.14461	-0.7702	-0.68605	-0.5871	0.054666
100	85.444	85.648	85.8	0.11325	84.094	84.343	84.558	0.13926	-1.4462	-1.3053	-1.2429	0.060008

Device Test: 6.95; VOH_PWRGD_10MA





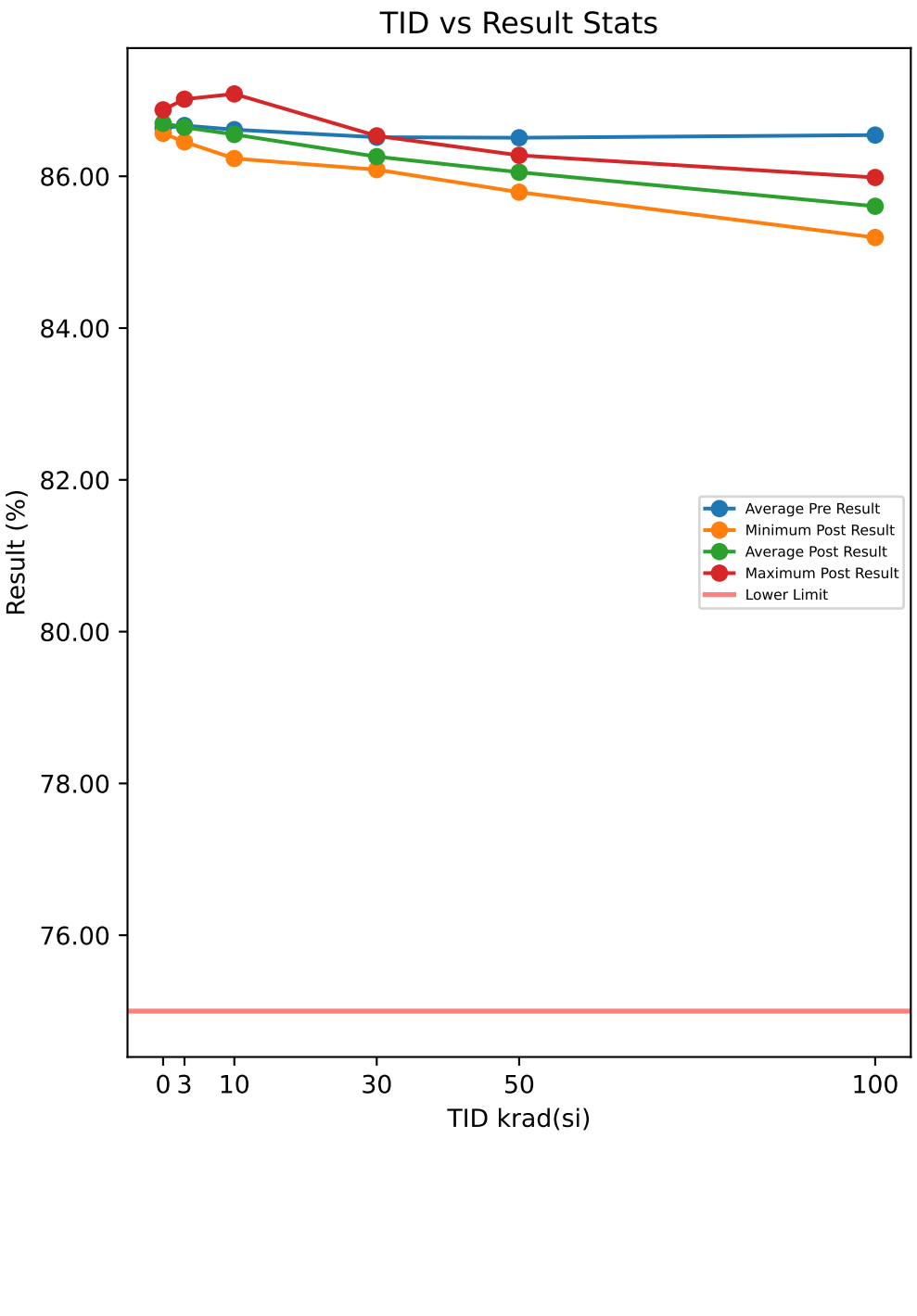
Test Results (Lower Limit = 75.0 (%))

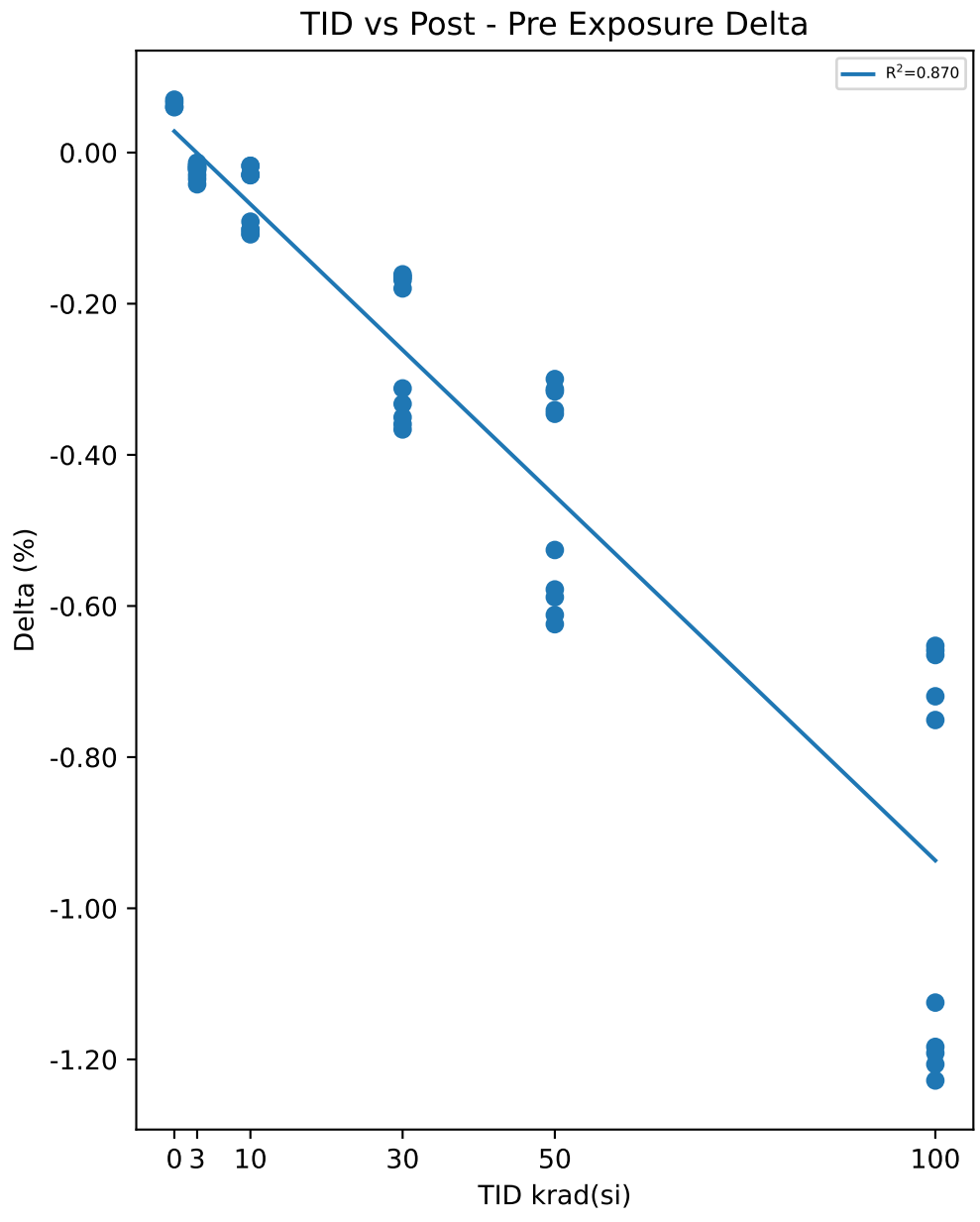
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	86.065	85.987	-0.0779
3	3	Biased	86.101	86.028	-0.0727
4	3	Biased	86.333	86.271	-0.0619
5	3	Biased	86.033	85.973	-0.0605
6	3	Biased	86.083	86.027	-0.0568
7	3	Unbiased	86.004	85.96	-0.0446
8	3	Unbiased	86.1	86.05	-0.0508
9	3	Unbiased	86.07	86.035	-0.0355
10	3	Unbiased	86.103	86.061	-0.0423
11	3	Unbiased	86.017	85.978	-0.0394
12	10	Unbiased	85.888	85.759	-0.1285
13	10	Unbiased	85.788	85.655	-0.133
14	10	Unbiased	85.899	85.768	-0.131
15	10	Unbiased	86.044	85.922	-0.1225
16	10	Unbiased	86.13	86.023	-0.1069
17	10	Biased	86.127	86.013	-0.1143
18	10	Biased	85.968	85.844	-0.1233
19	10	Biased	86.279	86.169	-0.11
20	10	Biased	86.077	85.949	-0.1282
21	10	Biased	85.945	85.824	-0.1211
22	30	Biased	86.015	85.609	-0.4054
23	30	Biased	85.758	85.343	-0.4154
24	30	Biased	85.854	85.419	-0.4349
25	30	Biased	86.152	85.742	-0.4107
26	30	Biased	86.088	85.703	-0.3853
27	30	Unbiased	85.894	85.521	-0.3728
28	30	Unbiased	85.926	85.536	-0.3898
29	30	Unbiased	85.854	85.472	-0.3822
30	30	Unbiased	85.891	85.495	-0.3965
31	30	Unbiased	86.016	85.682	-0.3341
32	50	Biased	85.933	85.252	-0.681
33	50	Biased	86.097	85.431	-0.6656
34	50	Biased	85.812	85.054	-0.7576
35	50	Biased	85.882	85.147	-0.7354
36	50	Biased	85.831	85.177	-0.6536
37	50	Unbiased	85.962	85.347	-0.6152
39	50	Unbiased	86.064	85.431	-0.6329
40	50	Unbiased	86.061	85.504	-0.5577
41	50	Unbiased	85.873	85.213	-0.6597
42	50	Unbiased	85.901	85.283	-0.6173
43	100	Biased	85.913	84.677	-1.2367
44	100	Biased	86.135	84.838	-1.2969
45	100	Biased	85.87	84.48	-1.3898
46	100	Biased	86.039	84.777	-1.2612
47	100	Biased	86.029	84.817	-1.212
48	100	Unbiased	85.996	84.75	-1.2456
49	100	Unbiased	86.025	84.751	-1.2734
50	100	Unbiased	85.895	84.697	-1.1977
51	100	Unbiased	86.099	84.875	-1.224
52	100	Unbiased	85.84	84.593	-1.2471
53	0	Correlation	86.014	86.064	0.0493
54	0	Correlation	85.812	85.862	0.0497
55	0	Correlation	86.06	86.106	0.0469
56	0	Correlation	86.05	86.108	0.0581

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	85.812	85.984	86.06	0.11599	85.862	86.035	86.108	0.11703	0.0469	0.051	0.0581	0.0048922
3	86.004	86.091	86.333	0.092009	85.96	86.037	86.271	0.089226	-0.0779	-0.05424	-0.0355	0.014235
10	85.788	86.015	86.279	0.14461	85.655	85.893	86.169	0.15217	-0.133	-0.12188	-0.1069	0.0089231
30	85.758	85.945	86.152	0.12046	85.343	85.552	85.742	0.12956	-0.4349	-0.39271	-0.3341	0.027486
50	85.812	85.942	86.097	0.10154	85.054	85.284	85.504	0.14313	-0.7576	-0.6576	-0.5577	0.058402
100	85.84	85.984	86.135	0.099602	84.48	84.726	84.875	0.1193	-1.3898	-1.2584	-1.1977	0.054533

Device Test: 6.96; VOH_RESET_10MA





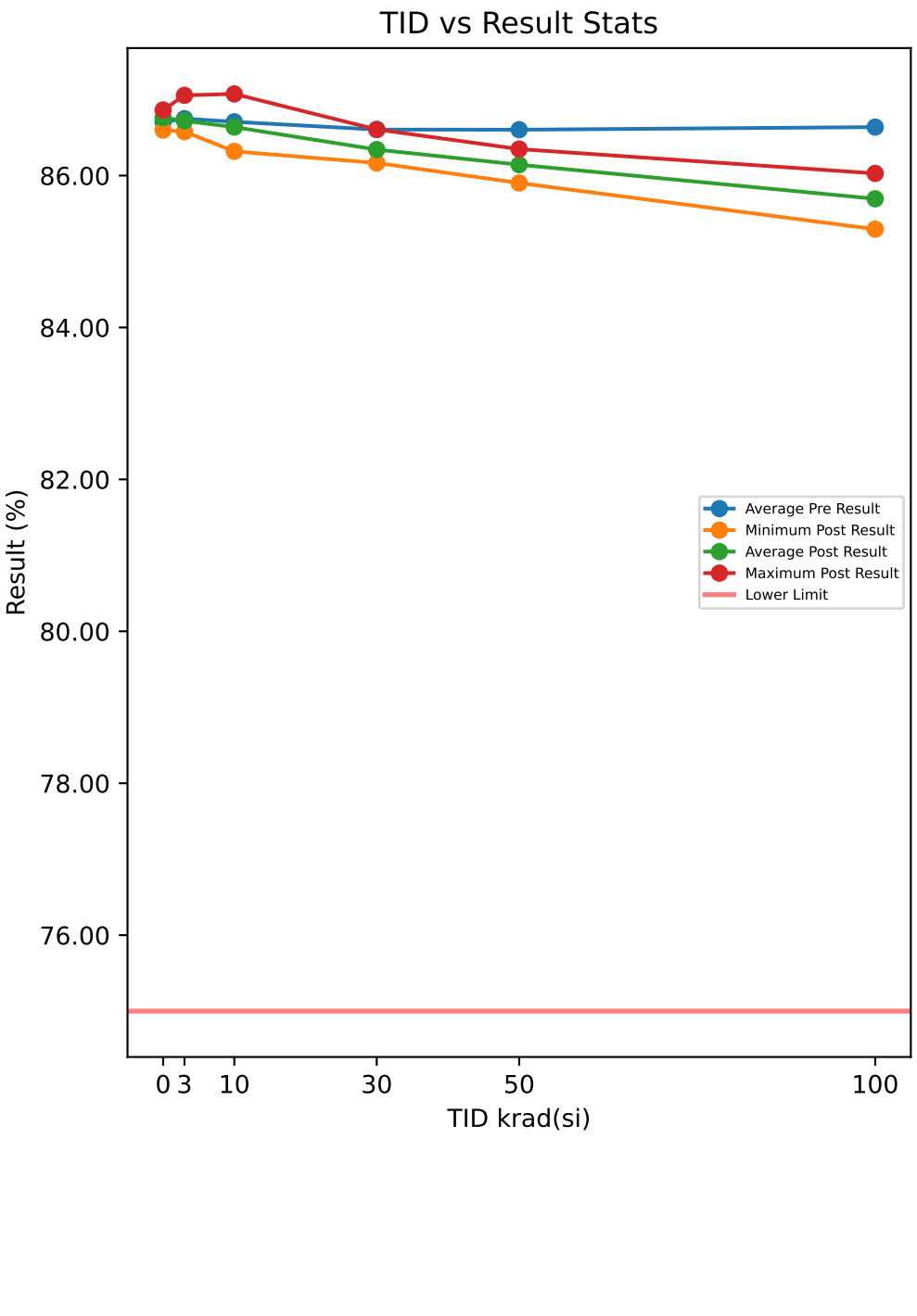
Test Results (Lower Limit = 75.0 (%))

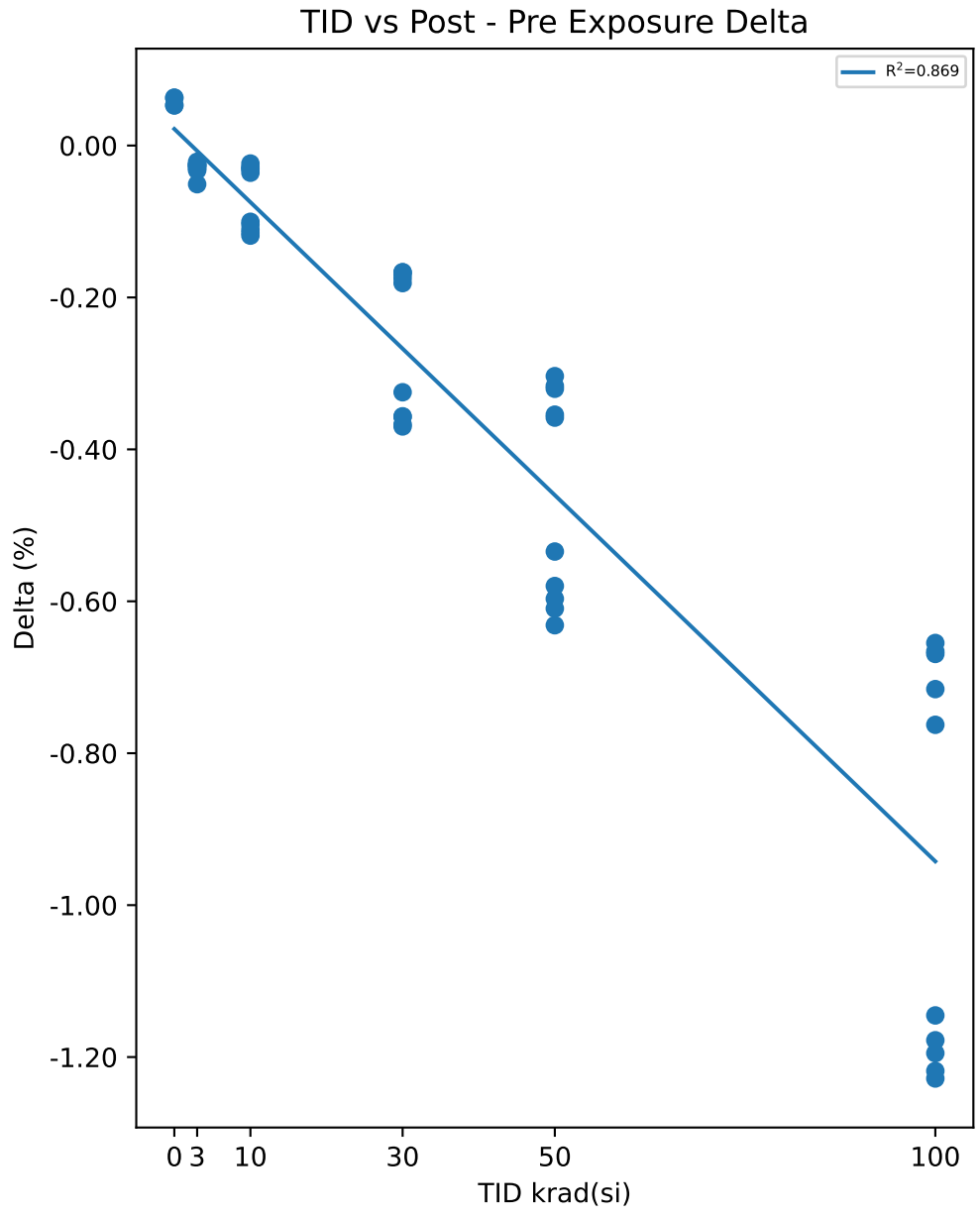
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	86.515	86.473	-0.042
3	3	Biased	86.728	86.693	-0.0349
4	3	Biased	87.033	87.016	-0.0167
5	3	Biased	86.466	86.453	-0.0133
6	3	Biased	86.794	86.775	-0.0194
7	3	Unbiased	86.68	86.65	-0.0297
8	3	Unbiased	86.684	86.662	-0.0215
9	3	Unbiased	86.568	86.55	-0.0175
10	3	Unbiased	86.706	86.683	-0.0234
11	3	Unbiased	86.517	86.496	-0.0212
12	10	Unbiased	86.398	86.29	-0.1082
13	10	Unbiased	86.341	86.234	-0.1072
14	10	Unbiased	86.462	86.36	-0.1017
15	10	Unbiased	86.536	86.434	-0.102
16	10	Unbiased	86.719	86.627	-0.0914
17	10	Biased	86.646	86.617	-0.0288
18	10	Biased	86.623	86.593	-0.0297
19	10	Biased	87.103	87.085	-0.0175
20	10	Biased	86.738	86.72	-0.0176
21	10	Biased	86.581	86.551	-0.03
22	30	Biased	86.383	86.214	-0.1688
23	30	Biased	86.248	86.087	-0.1611
24	30	Biased	86.411	86.231	-0.1798
25	30	Biased	86.698	86.532	-0.1651
26	30	Biased	86.562	86.397	-0.1642
27	30	Unbiased	86.51	86.177	-0.3326
28	30	Unbiased	86.462	86.103	-0.3594
29	30	Unbiased	86.67	86.32	-0.3503
30	30	Unbiased	86.481	86.115	-0.3664
31	30	Unbiased	86.721	86.409	-0.3121
32	50	Biased	86.589	86.276	-0.3131
33	50	Biased	86.568	86.252	-0.3161
34	50	Biased	86.419	86.078	-0.3408
35	50	Biased	86.516	86.17	-0.3457
36	50	Biased	86.349	86.049	-0.2997
37	50	Unbiased	86.547	85.969	-0.5781
39	50	Unbiased	86.525	85.913	-0.6119
40	50	Unbiased	86.682	86.156	-0.5259
41	50	Unbiased	86.415	85.79	-0.6241
42	50	Unbiased	86.471	85.883	-0.5884
43	100	Biased	86.637	85.984	-0.6527
44	100	Biased	86.508	85.789	-0.7195
45	100	Biased	86.409	85.658	-0.7509
46	100	Biased	86.557	85.892	-0.6649
47	100	Biased	86.57	85.912	-0.6586
48	100	Unbiased	86.511	85.32	-1.1916
49	100	Unbiased	86.577	85.349	-1.2279
50	100	Unbiased	86.627	85.503	-1.1248
51	100	Unbiased	86.634	85.45	-1.1834
52	100	Unbiased	86.4	85.193	-1.2065
53	0	Correlation	86.529	86.595	0.066
54	0	Correlation	86.505	86.566	0.0605
55	0	Correlation	86.816	86.876	0.06
56	0	Correlation	86.685	86.755	0.07

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	86.505	86.634	86.816	0.14495	86.566	86.698	86.876	0.14461	0.06	0.064125	0.07	0.0047675
3	86.466	86.669	87.033	0.16708	86.453	86.645	87.016	0.16872	-0.042	-0.02396	-0.0133	0.00895
10	86.341	86.614	87.103	0.21541	86.234	86.551	87.085	0.24603	-0.1082	-0.06341	-0.0175	0.041257
30	86.248	86.515	86.721	0.15107	86.087	86.259	86.532	0.1507	-0.3664	-0.25598	-0.1611	0.094218
50	86.349	86.508	86.682	0.097629	85.79	86.054	86.276	0.16303	-0.6241	-0.45438	-0.2997	0.14131
100	86.4	86.543	86.637	0.086312	85.193	85.605	85.984	0.28042	-1.2279	-0.93808	-0.6527	0.26507

Device Test: 6.97; VOH_RESET_10MA





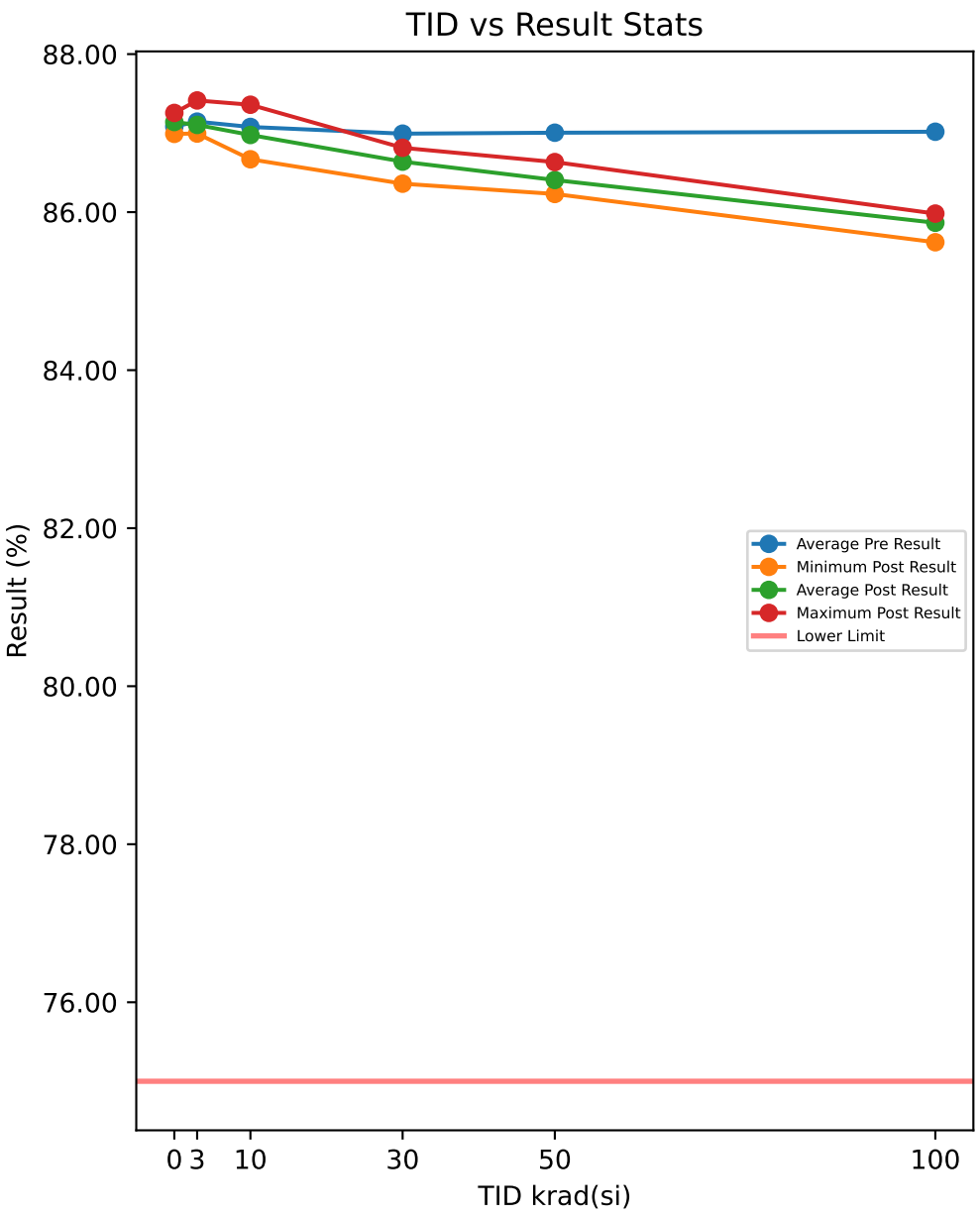
Test Results (Lower Limit = 75.0 (%))

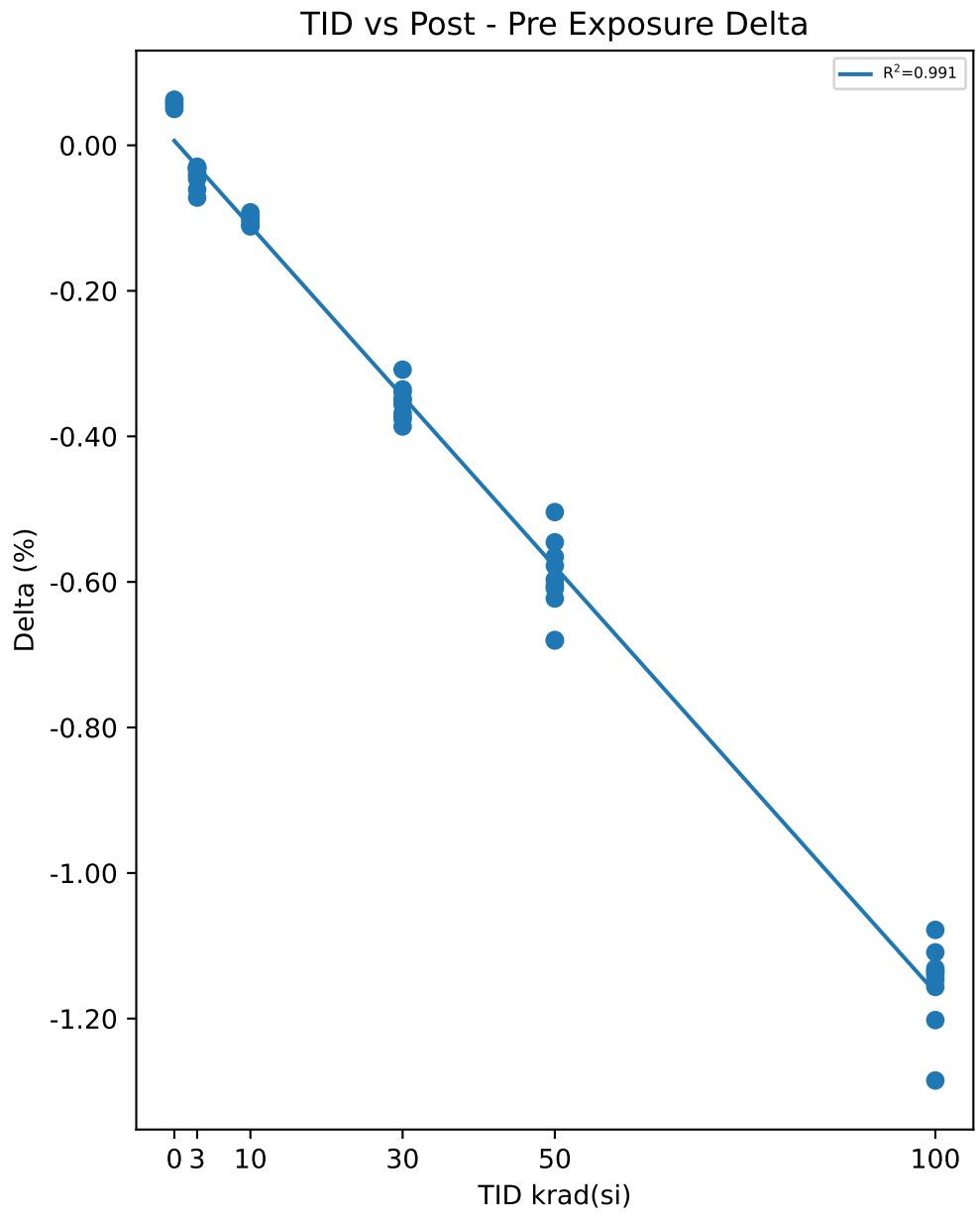
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	86.658	86.607	-0.0509
3	3	Biased	86.792	86.759	-0.0327
4	3	Biased	87.081	87.056	-0.0243
5	3	Biased	86.638	86.616	-0.0214
6	3	Biased	86.774	86.745	-0.0293
7	3	Unbiased	86.694	86.668	-0.0253
8	3	Unbiased	86.766	86.739	-0.0263
9	3	Unbiased	86.707	86.681	-0.0256
10	3	Unbiased	86.777	86.751	-0.0263
11	3	Unbiased	86.609	86.579	-0.0305
12	10	Unbiased	86.486	86.371	-0.1149
13	10	Unbiased	86.437	86.319	-0.1186
14	10	Unbiased	86.569	86.458	-0.1106
15	10	Unbiased	86.66	86.556	-0.104
16	10	Unbiased	86.876	86.776	-0.1004
17	10	Biased	86.793	86.758	-0.0358
18	10	Biased	86.706	86.677	-0.0284
19	10	Biased	87.099	87.075	-0.0237
20	10	Biased	86.764	86.734	-0.0303
21	10	Biased	86.687	86.656	-0.0308
22	30	Biased	86.603	86.428	-0.1747
23	30	Biased	86.333	86.166	-0.1669
24	30	Biased	86.498	86.317	-0.1811
25	30	Biased	86.776	86.607	-0.1693
26	30	Biased	86.713	86.546	-0.1668
27	30	Unbiased	86.569	86.213	-0.3565
28	30	Unbiased	86.537	86.169	-0.3671
29	30	Unbiased	86.724	86.367	-0.3571
30	30	Unbiased	86.569	86.199	-0.3698
31	30	Unbiased	86.735	86.41	-0.3248
32	50	Biased	86.665	86.349	-0.3165
33	50	Biased	86.633	86.312	-0.3202
34	50	Biased	86.492	86.138	-0.3543
35	50	Biased	86.569	86.21	-0.3582
36	50	Biased	86.443	86.14	-0.3036
37	50	Unbiased	86.62	86.04	-0.5799
39	50	Unbiased	86.687	86.078	-0.6095
40	50	Unbiased	86.75	86.216	-0.5345
41	50	Unbiased	86.534	85.902	-0.6315
42	50	Unbiased	86.644	86.047	-0.5967
43	100	Biased	86.684	86.029	-0.6549
44	100	Biased	86.658	85.942	-0.7156
45	100	Biased	86.51	85.747	-0.7626
46	100	Biased	86.688	86.019	-0.6693
47	100	Biased	86.646	85.981	-0.6659
48	100	Unbiased	86.598	85.403	-1.1949
49	100	Unbiased	86.694	85.466	-1.2282
50	100	Unbiased	86.635	85.49	-1.1452
51	100	Unbiased	86.755	85.577	-1.1779
52	100	Unbiased	86.513	85.294	-1.2183
53	0	Correlation	86.722	86.784	0.0627
54	0	Correlation	86.546	86.599	0.0527
55	0	Correlation	86.81	86.864	0.0533
56	0	Correlation	86.734	86.797	0.063

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	86.546	86.703	86.81	0.11156	86.599	86.761	86.864	0.11339	0.0527	0.057925	0.063	0.0056935
3	86.609	86.749	87.081	0.1328	86.579	86.72	87.056	0.13516	-0.0509	-0.02926	-0.0214	0.008264
10	86.437	86.708	87.099	0.1932	86.319	86.638	87.075	0.22295	-0.1186	-0.06975	-0.0237	0.042508
30	86.333	86.606	86.776	0.13529	86.166	86.342	86.607	0.1575	-0.3698	-0.26341	-0.1668	0.097429
50	86.443	86.604	86.75	0.093804	85.902	86.143	86.349	0.13457	-0.6315	-0.46049	-0.3036	0.14004
100	86.51	86.638	86.755	0.078612	85.294	85.695	86.029	0.2821	-1.2282	-0.94328	-0.6549	0.26575

Device Test: 6.98; VOH_RESET_10MA





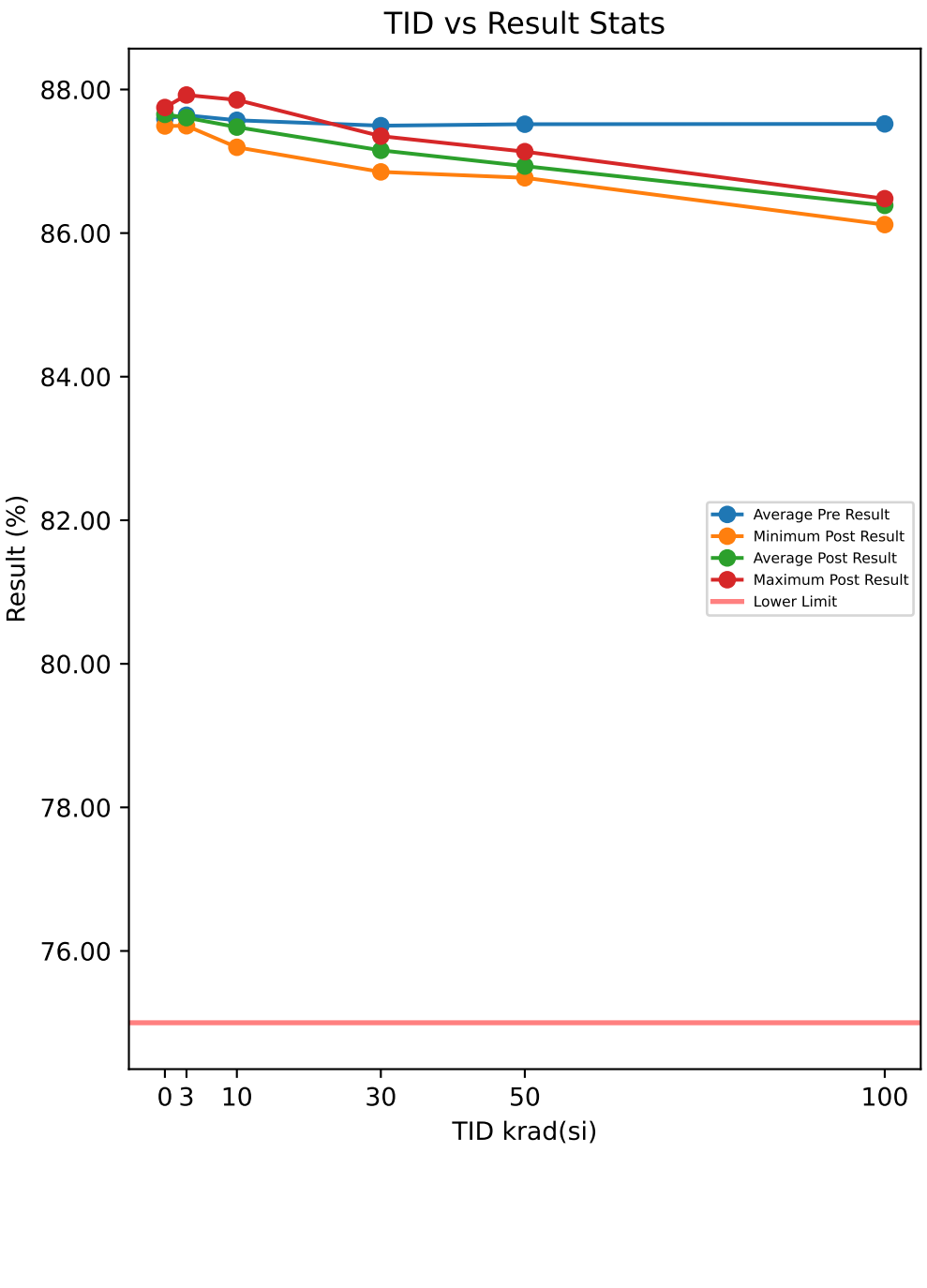
Test Results (Lower Limit = 75.0 (%))

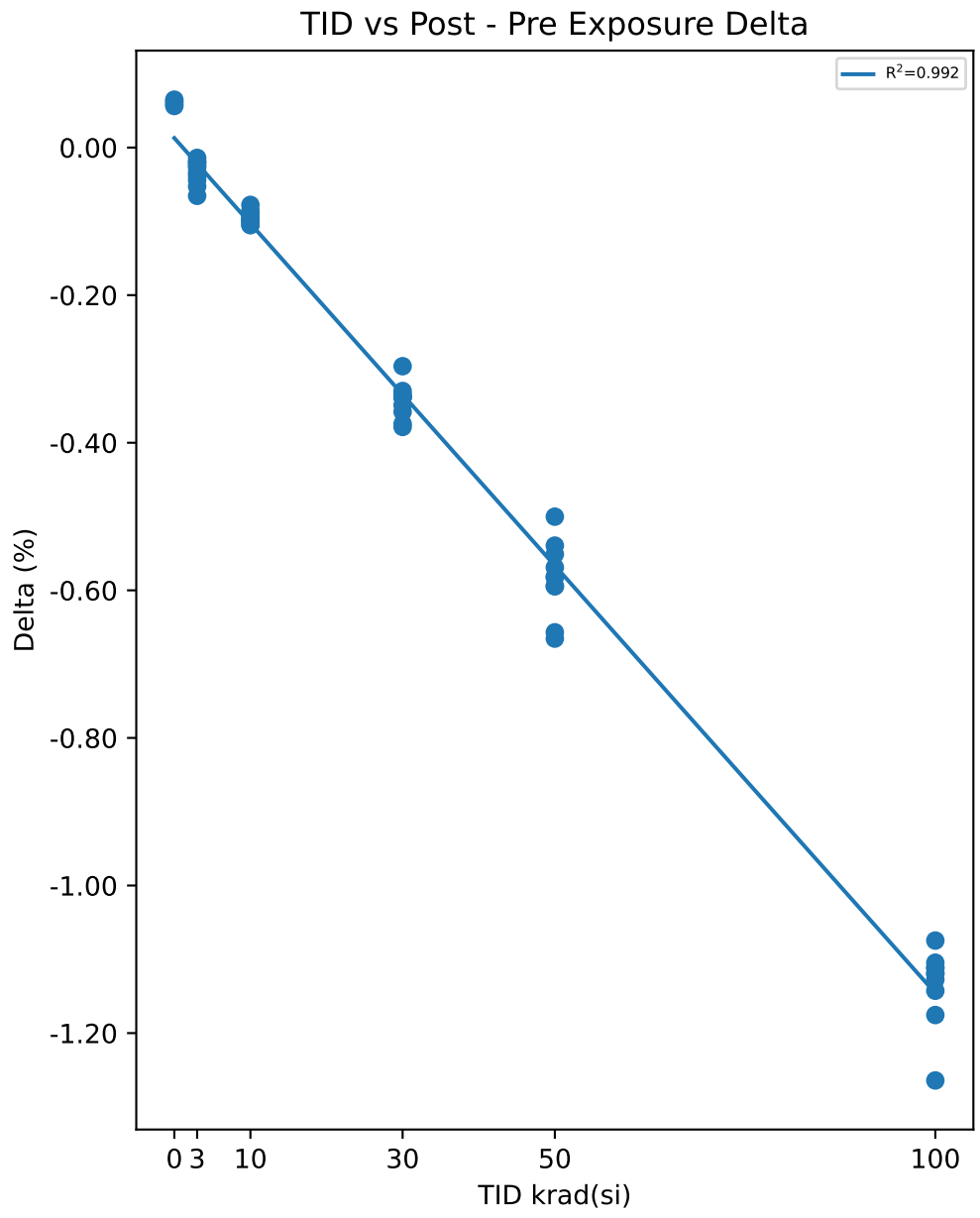
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	87.068	86.996	-0.0719
3	3	Biased	87.144	87.083	-0.0609
4	3	Biased	87.46	87.413	-0.0463
5	3	Biased	87.064	87.025	-0.0381
6	3	Biased	87.151	87.109	-0.0422
7	3	Unbiased	87.086	87.055	-0.031
8	3	Unbiased	87.148	87.115	-0.0333
9	3	Unbiased	87.119	87.088	-0.031
10	3	Unbiased	87.191	87.159	-0.0317
11	3	Unbiased	87.024	86.995	-0.0295
12	10	Unbiased	86.887	86.777	-0.1098
13	10	Unbiased	86.781	86.669	-0.1115
14	10	Unbiased	86.911	86.807	-0.1036
15	10	Unbiased	87.082	86.985	-0.0973
16	10	Unbiased	87.207	87.112	-0.0941
17	10	Biased	87.229	87.127	-0.1019
18	10	Biased	87.079	86.981	-0.0973
19	10	Biased	87.451	87.359	-0.0921
20	10	Biased	87.119	87.021	-0.0972
21	10	Biased	87.037	86.927	-0.1098
22	30	Biased	87.011	86.642	-0.3682
23	30	Biased	86.736	86.36	-0.376
24	30	Biased	86.905	86.518	-0.3864
25	30	Biased	87.188	86.814	-0.3735
26	30	Biased	87.09	86.734	-0.3562
27	30	Unbiased	86.964	86.629	-0.3354
28	30	Unbiased	86.949	86.601	-0.3482
29	30	Unbiased	87.07	86.731	-0.3392
30	30	Unbiased	86.96	86.609	-0.3503
31	30	Unbiased	87.06	86.751	-0.3083
32	50	Biased	87.071	86.462	-0.6091
33	50	Biased	87.074	86.452	-0.6228
34	50	Biased	86.919	86.239	-0.6798
35	50	Biased	86.91	86.23	-0.6805
36	50	Biased	86.873	86.268	-0.6048
37	50	Unbiased	87.062	86.517	-0.5455
39	50	Unbiased	87.063	86.486	-0.5777
40	50	Unbiased	87.138	86.634	-0.504
41	50	Unbiased	86.915	86.318	-0.5968
42	50	Unbiased	87.026	86.461	-0.5655
43	100	Biased	87.021	85.89	-1.1311
44	100	Biased	87.126	85.924	-1.2021
45	100	Biased	86.904	85.619	-1.2851
46	100	Biased	87.048	85.892	-1.1566
47	100	Biased	86.985	85.844	-1.1409
48	100	Unbiased	86.965	85.829	-1.136
49	100	Unbiased	87.096	85.949	-1.1471
50	100	Unbiased	87.031	85.953	-1.0782
51	100	Unbiased	87.091	85.982	-1.109
52	100	Unbiased	86.909	85.774	-1.1346
53	0	Correlation	87.078	87.141	0.0627
54	0	Correlation	86.932	86.991	0.0589
55	0	Correlation	87.206	87.255	0.0499
56	0	Correlation	87.122	87.177	0.0549

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	86.932	87.084	87.206	0.11463	86.991	87.141	87.255	0.11102	0.0499	0.0566	0.0627	0.0054857
3	87.024	87.145	87.46	0.12141	86.995	87.104	87.413	0.12107	-0.0719	-0.04159	-0.0295	0.014389
10	86.781	87.078	87.451	0.19292	86.669	86.977	87.359	0.19864	-0.1115	-0.10146	-0.0921	0.0069859
30	86.736	86.993	87.188	0.12286	86.36	86.639	86.814	0.13155	-0.3864	-0.35417	-0.3083	0.023145
50	86.873	87.005	87.138	0.091893	86.23	86.407	86.634	0.13518	-0.6805	-0.59865	-0.504	0.055116
100	86.904	87.018	87.126	0.07672	85.619	85.865	85.982	0.10734	-1.2851	-1.1521	-1.0782	0.056455

Device Test: 6.99; VOH_RESET_10MA





Test Results (Lower Limit = 75.0 (%))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	87.602	87.537	-0.0654
3	3	Biased	87.66	87.607	-0.0527
4	3	Biased	87.957	87.923	-0.0333
5	3	Biased	87.582	87.544	-0.0381
6	3	Biased	87.659	87.615	-0.0438
7	3	Unbiased	87.522	87.495	-0.0267
8	3	Unbiased	87.62	87.596	-0.0238
9	3	Unbiased	87.588	87.574	-0.014
10	3	Unbiased	87.688	87.669	-0.0191
11	3	Unbiased	87.535	87.515	-0.0199
12	10	Unbiased	87.396	87.294	-0.102
13	10	Unbiased	87.3	87.195	-0.1048
14	10	Unbiased	87.444	87.345	-0.0986
15	10	Unbiased	87.594	87.505	-0.0891
16	10	Unbiased	87.649	87.564	-0.0854
17	10	Biased	87.702	87.607	-0.0948
18	10	Biased	87.581	87.482	-0.0986
19	10	Biased	87.933	87.856	-0.0777
20	10	Biased	87.608	87.513	-0.0953
21	10	Biased	87.507	87.402	-0.1051
22	30	Biased	87.51	87.152	-0.3581
23	30	Biased	87.227	86.853	-0.3744
24	30	Biased	87.428	87.05	-0.3786
25	30	Biased	87.7	87.351	-0.349
26	30	Biased	87.574	87.235	-0.339
27	30	Unbiased	87.48	87.145	-0.3349
28	30	Unbiased	87.479	87.141	-0.338
29	30	Unbiased	87.557	87.227	-0.3299
30	30	Unbiased	87.478	87.141	-0.3371
31	30	Unbiased	87.53	87.234	-0.2963
32	50	Biased	87.57	86.976	-0.5944
33	50	Biased	87.583	86.989	-0.5944
34	50	Biased	87.427	86.77	-0.6569
35	50	Biased	87.449	86.783	-0.6654
36	50	Biased	87.388	86.805	-0.5825
37	50	Unbiased	87.556	87.016	-0.5394
39	50	Unbiased	87.589	87.02	-0.569
40	50	Unbiased	87.635	87.134	-0.5002
41	50	Unbiased	87.442	86.861	-0.5815
42	50	Unbiased	87.527	86.976	-0.551
43	100	Biased	87.519	86.4	-1.1195
44	100	Biased	87.623	86.448	-1.1755
45	100	Biased	87.382	86.118	-1.2642
46	100	Biased	87.607	86.479	-1.1276
47	100	Biased	87.508	86.397	-1.1112
48	100	Unbiased	87.515	86.411	-1.1046
49	100	Unbiased	87.545	86.402	-1.1426
50	100	Unbiased	87.524	86.449	-1.0746
51	100	Unbiased	87.582	86.47	-1.112
52	100	Unbiased	87.403	86.284	-1.119
53	0	Correlation	87.615	87.677	0.0627
54	0	Correlation	87.436	87.492	0.0563
55	0	Correlation	87.69	87.749	0.0591
56	0	Correlation	87.632	87.696	0.0649

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	87.436	87.593	87.69	0.10984	87.492	87.654	87.749	0.11213	0.0563	0.06075	0.0649	0.0038101
3	87.522	87.641	87.957	0.12308	87.495	87.607	87.923	0.12256	-0.0654	-0.03368	-0.014	0.016419
10	87.3	87.571	87.933	0.17664	87.195	87.476	87.856	0.18431	-0.1051	-0.09514	-0.0777	0.0088139
30	87.227	87.496	87.7	0.12039	86.853	87.153	87.351	0.13293	-0.3786	-0.34353	-0.2963	0.02359
50	87.388	87.516	87.635	0.083624	86.77	86.933	87.134	0.12131	-0.6654	-0.58347	-0.5002	0.049987
100	87.382	87.521	87.623	0.078414	86.118	86.386	86.479	0.10888	-1.2642	-1.1351	-1.0746	0.052291

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