Radiation Report

TPS7H3134-SP Total Ionizing Dose (TID) Report

ABSTRACT

This report discusses the total ionizing dose (TID) parametric results for TPS7H3134-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 TPS7H3134-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 TPS7H3134-SP is packaged in a 22-pin CFP (ceramic flat package) package. A standard microcircuit drawing (SMD) is available for the QML variant, 5962R2420604VXC.

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	TPS7H3134-SP
TI Part Name	5962R2420604VXC
Package	22-pin CFP (HFT)
Technology	LBC7
Quantity Tested	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

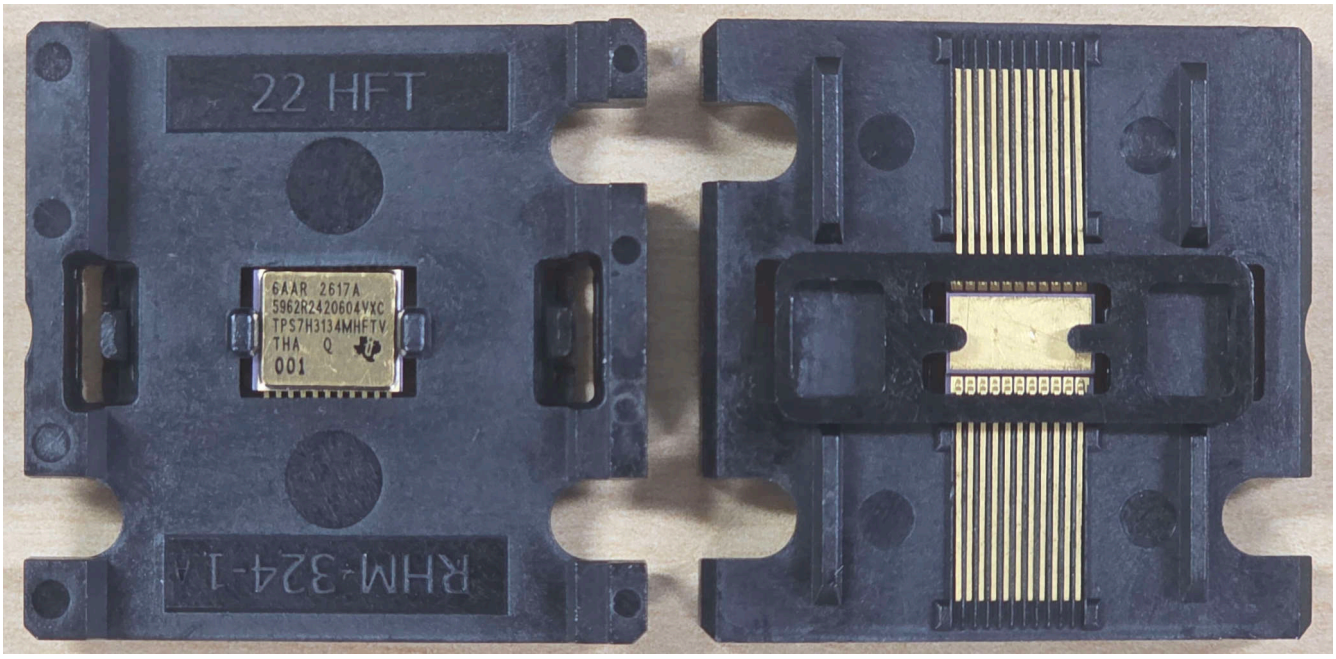

Figure 1-1. TPS7H3134-SP Device

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2 Total Dose Test Setup

2.1 Test Overview

The TPS7H3134-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 TPS7H3134-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 163.7473 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.

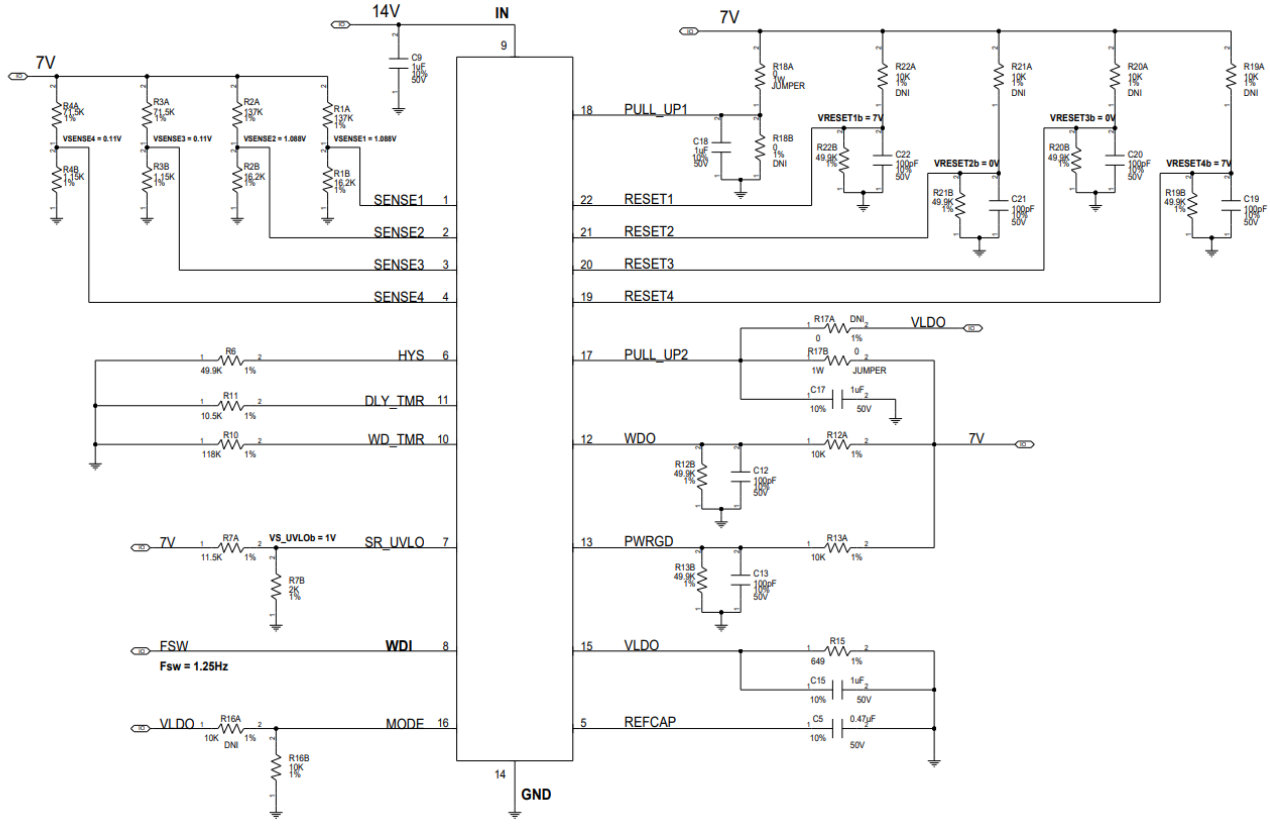

Figure 2-1. Bias Diagram Used in TID Exposure

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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)
51, 52, 53, 54, 55	1, 2, 3, 4, 5	11, 12, 13, 14, 15	21, 22, 23, 24, 25	31, 32, 33, 34, 35	41, 42, 43, 44, 45

Table 2-2. HDR Unbiased Device Information

Total Samples: 25					
Exposure Levels					
Control	3krad(Si)	10krad(Si)	30krad(Si)	50krad(Si)	100krad(Si)
51, 52, 53, 54, 55	6, 7, 8, 9, 10	16, 17, 18, 19, 20	26, 27, 28, 29, 30	36, 37, 38, 39, 40	46, 47, 48, 49, 50

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3 TID Characterization Test Results

3.1 TID Characterization Summary Results

The parametric data for the TPS7H3134-SP passes up to 100krad(Si) HDR TID irradiation. The drifts of the electrical parameters through HDR were within the datasheet limits.

Overall, the TPS7H3134-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 *TPS7H3xx4-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 6.0
V_{IN} rising undervoltage lockout		1, 2, 3	2.73	2.80	2.88	V	6.38
V_{IN} falling undervoltage lockout		1, 2, 3	2.58	2.65	2.72		6.39
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		6.40, 6.41, 6.42, 6.43, 6.44, 6.45, 6.46, 6.47, 6.48, 6.49
V_{HYS}	R_{HYS} = 49.9kΩ	1, 2, 3	1.164	1.2	1.236		6.51
SENSE1 TO SENSE4, SR_UVLO, WDI AND MODE 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 SR_$\overline{SVLO}$		1, 2, 3	580	602	618	mV	13.33, 13.36, 13.39, 13.42
Falling threshold voltage at SR_$\overline{SVLO}$		1, 2, 3	475	499	517		13.34, 13.37, 13.40, 13.43
Input leakage current at SR_$\overline{SVLO}$	$V_{SR_\overline{UVLO}}$ = 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
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	6.36, 6.37

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3.2.1 Electrical Characteristics (continued)

Parameter	Test Conditions		Sub-Group	MIN	TYP	MAX	UNIT	Test Number
RESET1 TO RESET4, PWRGD AND WDO OPEN DRAIN								
$\overline{\text{RESETx}}$ leakage current	**$V_{\overline{\text{RESETx}}}$ = 7V**		**1, 2, 3**		**23**	**600**	**nA**	6.52, 6.53, 6.54, 6.55, 6.58, 6.59, 6.60, 6.61
PWRGD leakage current			**1, 2, 3**		**23**	**600**		6.56, 6.62
WDO leakage current			**1, 2, 3**		**23**	**600**		6.57, 6.63
RESET NMOS sink output resistance			1, 2, 3		131	200	Ω	18.7, 18.8, 18.9, 18.10, 18.13, 18.14, 18.15, 18.16, 18.19, 18.20, 18.20, 18.22
PWRGD NMOS sink output resistance			1, 2, 3		131	200		18.5, 18.11, 18.17, 18.23
$\overline{\text{WDO}}$ NMOS sink output resistance			1, 2, 3		131	200		18.6, 18.12, 18.18, 18.24
Low level $\overline{\text{RESETx}}$ output voltage	1.6V ≤ V_{PULL_UP} ≤ 7V	I_{LOAD} = -2mA	1, 2, 3		0.262	0.4	V	6.64, 6.65, 6.66, 6.67, 6.70, 6.71, 6.72, 6.73, 6.76, 6.77, 6.78, 6.79, 6.82, 6.83, 6.84, 6.85
		I_{LOAD} = -10mA	1, 2, 3		1.31	2		6.88, 6.89, 6.90, 6.91, 6.94, 6.95, 6.96, 6.97, 6.100, 6.101, 6.102, 6.103, 6.106, 6.107, 6.108, 6.109
Low level PWRGD output voltage	1.6V ≤ V_{PULL_UP} ≤ 7V	I_{LOAD} = –2mA	1, 2, 3		0.262	0.4		6.69, 6.75, 6.81, 6.87

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3.2.1 Electrical Characteristics (continued)

Parameter	Test Conditions		Sub-Group	MIN	TYP	MAX	UNIT	Test Number
		I_{LOAD} = –10mA	1, 2, 3		1.31	2		6.93, 6.99, 6.105, 6.111
Low level $\overline{WDO}$ output voltage	1.6V ≤ V_{PULL_UP} ≤ 7V	I_{LOAD} = -2mA	1, 2, 3		0.262	0.4		6.68, 6.74, 6.80, 6.86
		I_{LOAD} = -10mA	1, 2, 3		1.31	2		6.92, 6.98, 6.104, 6.110
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	$V_{REFCAP} \geq 1.1V$		1, 2, 3		0.3	2.8	ms	6.50
$\overline{RESET}$ propagation delay			1, 2, 3		2.6	4.9	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			1, 2, 3		2.6	4.9	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
WDI propagation delay		t_{WD_TMR} = 0.52s	1, 2, 3		30	48	µs	5.93, 5.94, 5.95, 5.96
		t_{WD_TMR} = 1s			54	94		5.97, 5.98, 5.99, 5.100
		t_{WD_TMR} = 1.5s			76	131		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, *TPS7H3024EVM-CVAL Evaluation Module User's Guide*, user's guide.

4.2 Reference Documents

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

A Appendix: HDR TID Report Data

This appendix contains the HDR TID report data.

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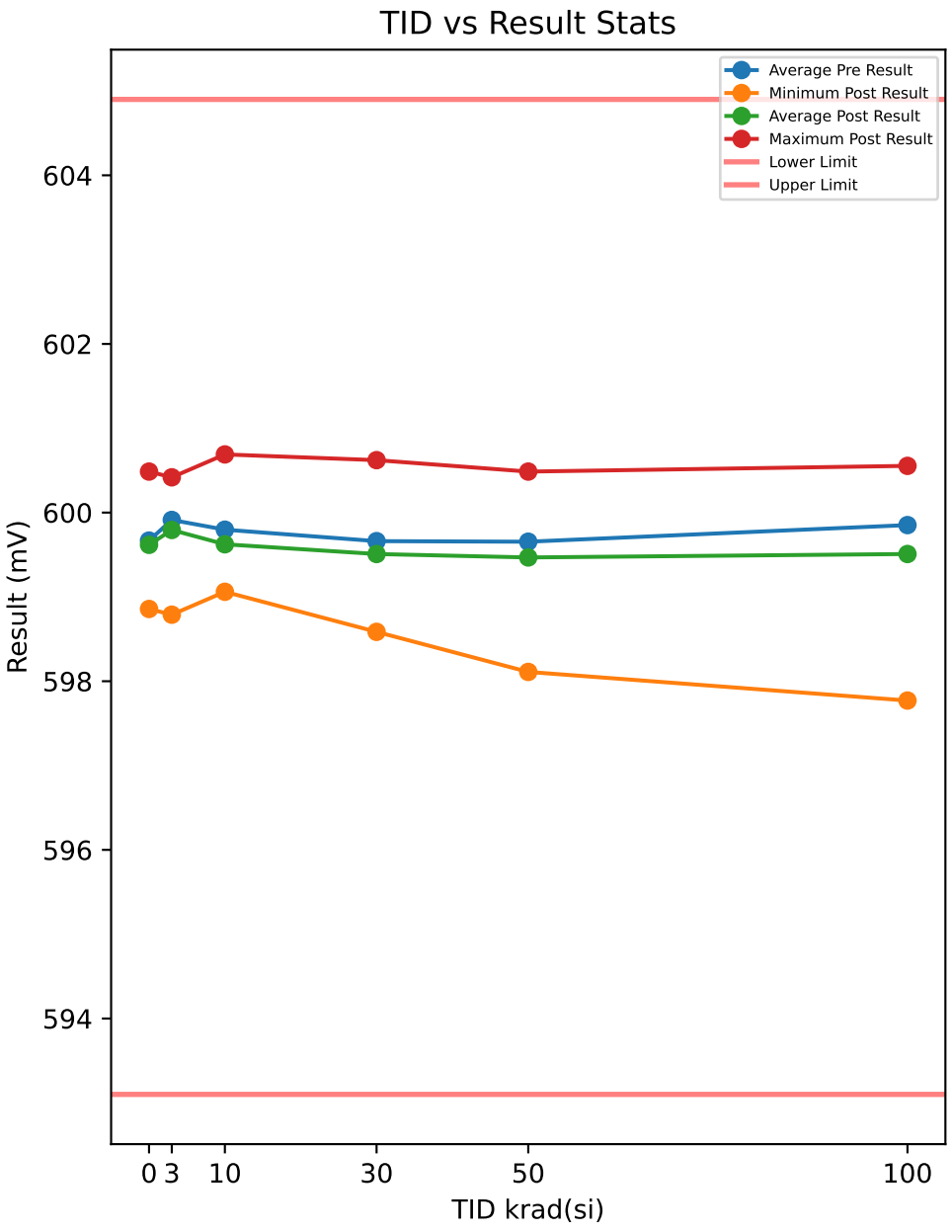
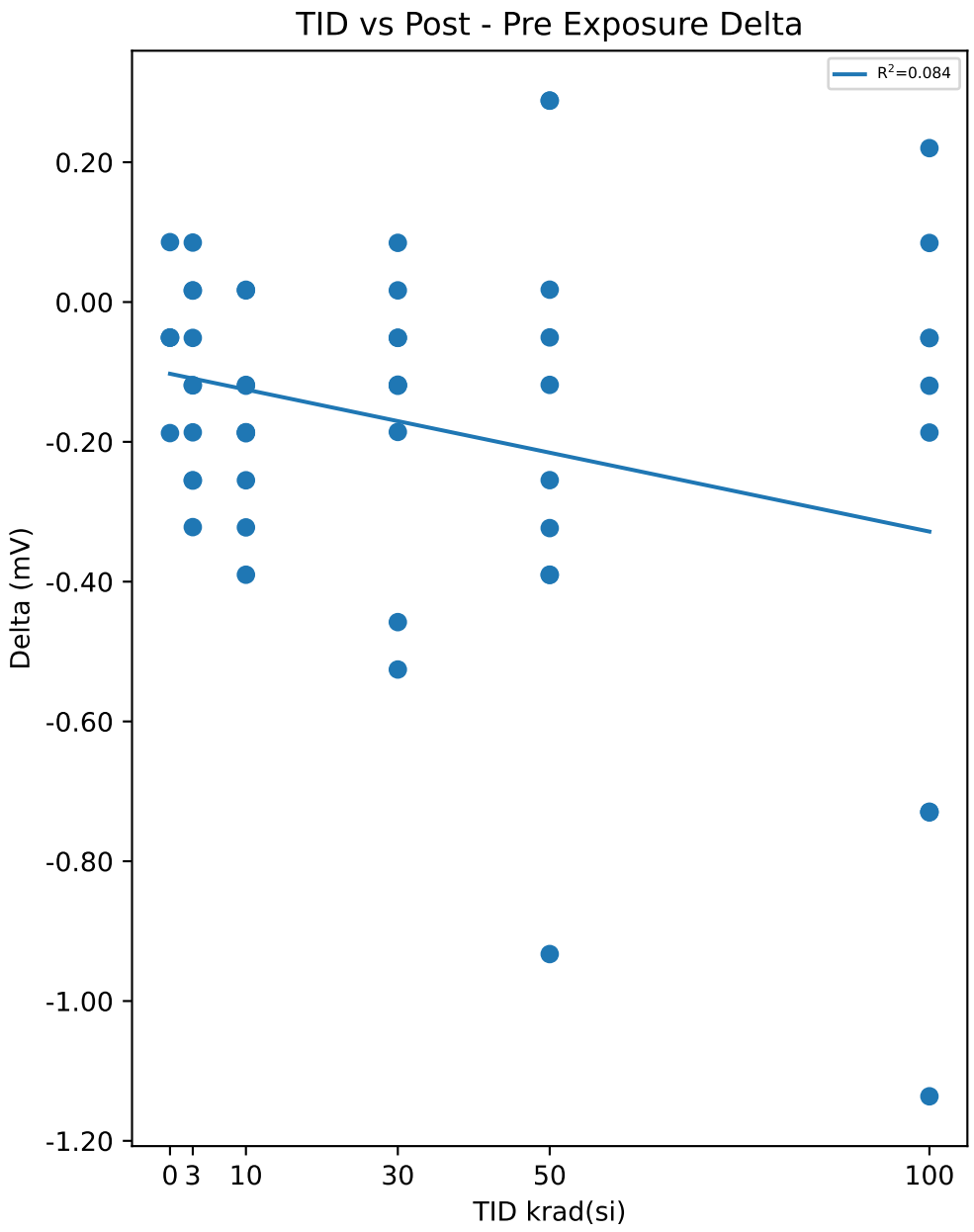
Device Test: 13.1; VTH_SENSE





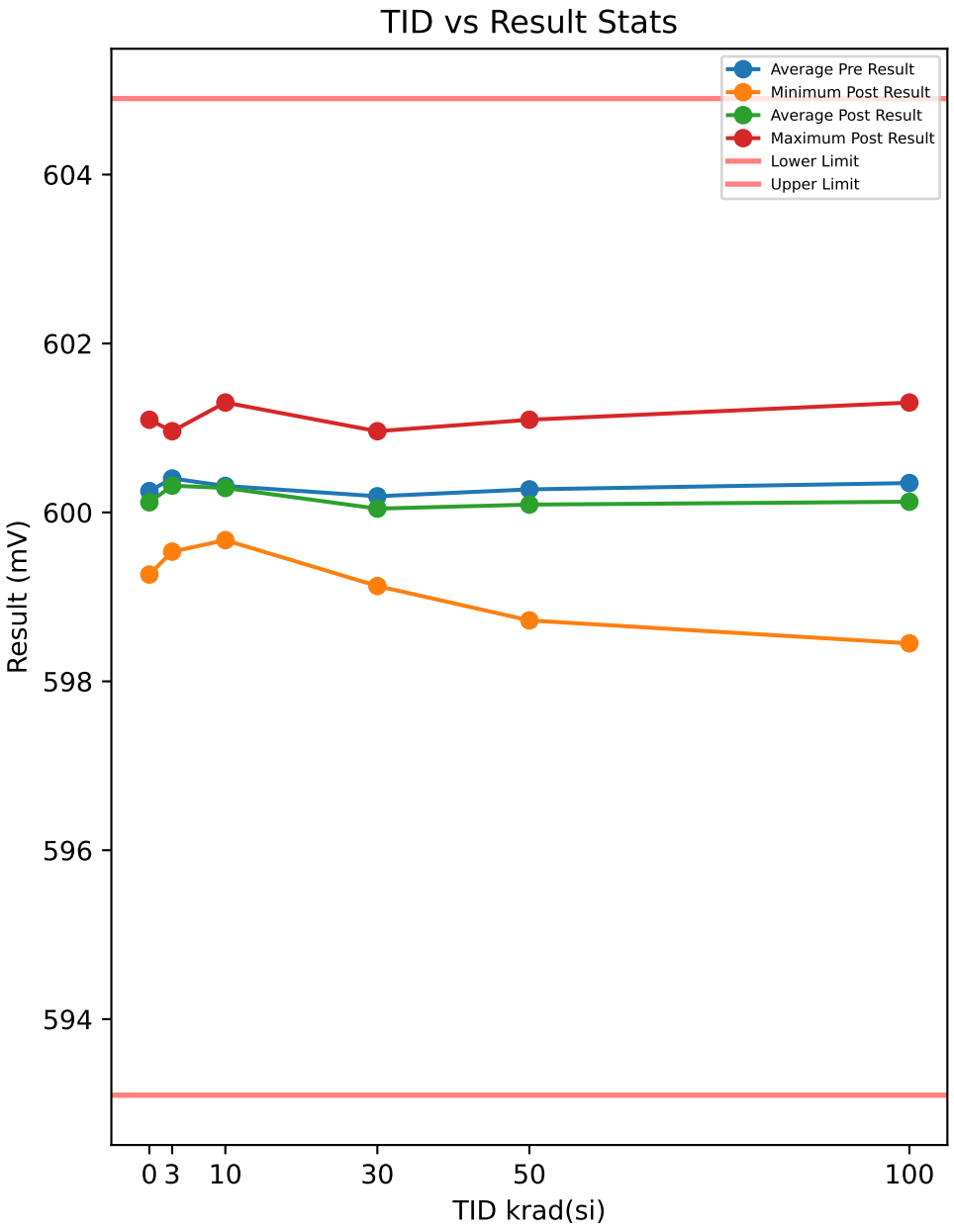
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

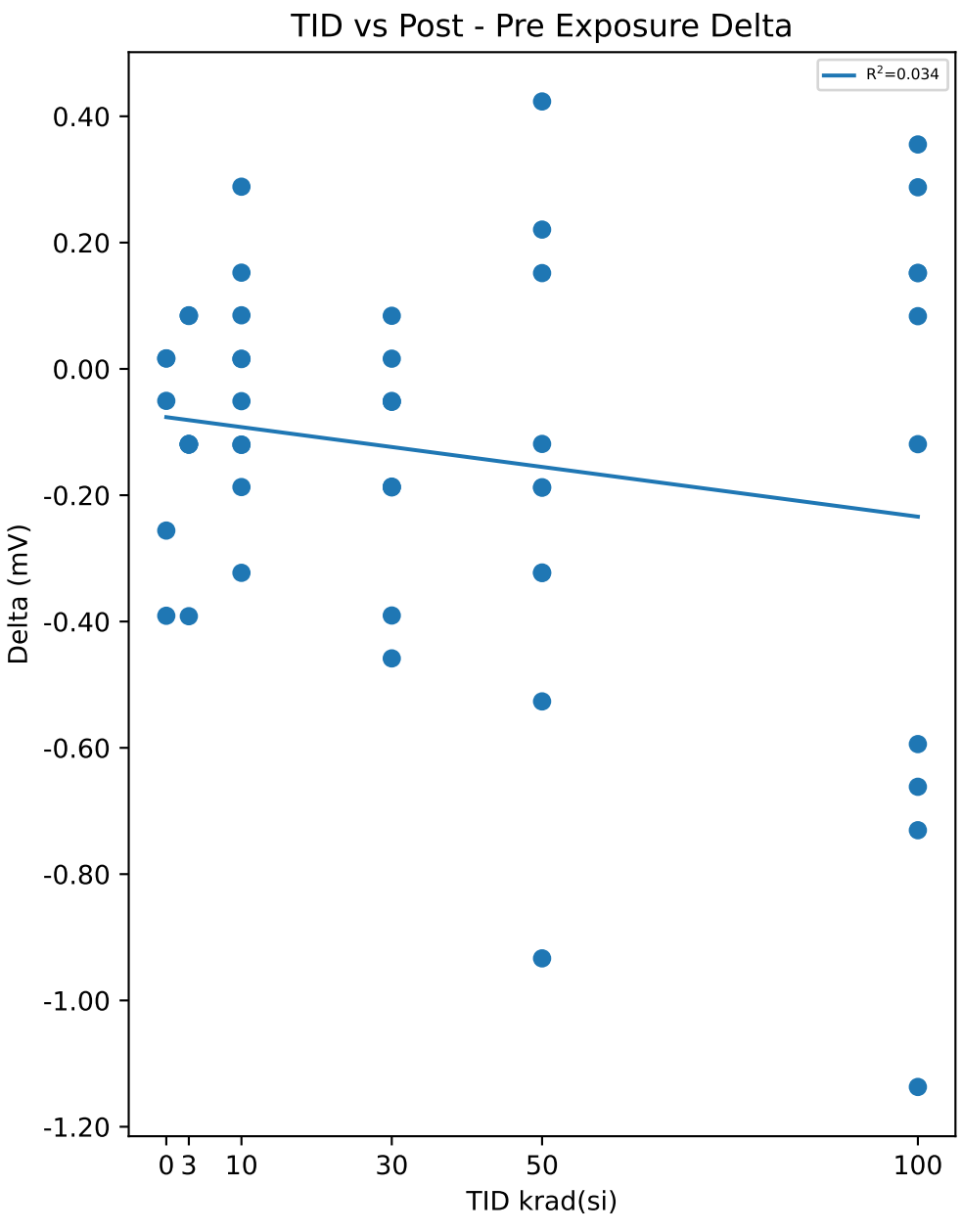
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	599.31	599.13	-0.1864
2	3	Biased	600.27	600.15	-0.1192
3	3	Biased	600.67	600.42	-0.2554
4	3	Biased	600.27	600.21	-0.0513
5	3	Biased	599.93	599.94	0.0167
6	3	Unbiased	599.99	599.74	-0.2549
7	3	Unbiased	599.79	599.67	-0.1189
8	3	Unbiased	599.38	599.47	0.0851
9	3	Unbiased	600.4	600.42	0.0164
10	3	Unbiased	599.11	598.79	-0.322
11	10	Biased	599.31	599.2	-0.1185
12	10	Biased	599.59	599.26	-0.3224
13	10	Biased	600.67	600.55	-0.1197
14	10	Biased	600.2	600.21	0.0166
15	10	Biased	600.06	599.81	-0.255
16	10	Unbiased	599.25	599.06	-0.1862
17	10	Unbiased	599.52	599.33	-0.1865
18	10	Unbiased	600.88	600.69	-0.1877
19	10	Unbiased	599.04	599.06	0.0176
20	10	Unbiased	599.45	599.06	-0.3901
21	30	Biased	599.18	598.65	-0.5257
22	30	Biased	600.2	600.15	-0.0513
23	30	Biased	600.74	600.62	-0.1198
24	30	Biased	599.93	599.94	0.0167
25	30	Biased	599.86	599.94	0.0847
26	30	Unbiased	598.98	598.86	-0.1182
27	30	Unbiased	598.77	598.59	-0.1858
28	30	Unbiased	599.86	599.74	-0.119
29	30	Unbiased	599.79	599.74	-0.0511
30	30	Unbiased	599.31	598.86	-0.4579
31	50	Biased	598.84	598.86	0.0177
32	50	Biased	600.81	600.49	-0.3234
33	50	Biased	599.38	598.99	-0.39
34	50	Biased	599.79	599.4	-0.3905
35	50	Biased	599.93	599.67	-0.2548
36	50	Unbiased	600.13	600.42	0.2881
37	50	Unbiased	599.04	598.11	-0.9328
38	50	Unbiased	599.31	599.26	-0.0506
39	50	Unbiased	599.38	599.26	-0.1185
40	50	Unbiased	599.93	600.21	0.2883
41	100	Biased	600.06	599.33	-0.7301
42	100	Biased	598.91	597.77	-1.1363
43	100	Biased	600.13	600.08	-0.0513
44	100	Biased	600.67	600.55	-0.1197
45	100	Biased	598.98	598.25	-0.7292
46	100	Unbiased	600.13	600.35	0.2202
47	100	Unbiased	599.59	599.4	-0.1867
48	100	Unbiased	600.13	600.21	0.0845
49	100	Unbiased	600.54	600.49	-0.0516
50	100	Unbiased	599.38	598.65	-0.7295
51	0	Correlation	600.67	600.49	-0.1875
52	0	Correlation	599.45	599.4	-0.0508
53	0	Correlation	599.72	599.67	-0.0509
54	0	Correlation	599.72	599.67	-0.0509
55	0	Correlation	598.77	598.86	0.0857

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	598.77	599.67	600.67	0.68349	598.86	599.62	600.49	0.58868	-0.1875	-0.05088	0.0857	0.096591
3	599.11	599.91	600.67	0.51322	598.79	599.79	600.42	0.54571	-0.322	-0.11899	0.0851	0.13573
10	599.04	599.8	600.88	0.6247	599.06	599.62	600.69	0.644	-0.3901	-0.17319	0.0176	0.13116
30	598.77	599.66	600.74	0.59959	598.59	599.51	600.62	0.71209	-0.5257	-0.15274	0.0847	0.19506
50	598.84	599.65	600.81	0.58006	598.11	599.47	600.49	0.75047	-0.9328	-0.18665	0.2883	0.36192
100	598.91	599.85	600.67	0.61227	597.77	599.51	600.55	0.99829	-1.1363	-0.34297	0.2202	0.44993

Device Test: 13.10; VTH_SENSE





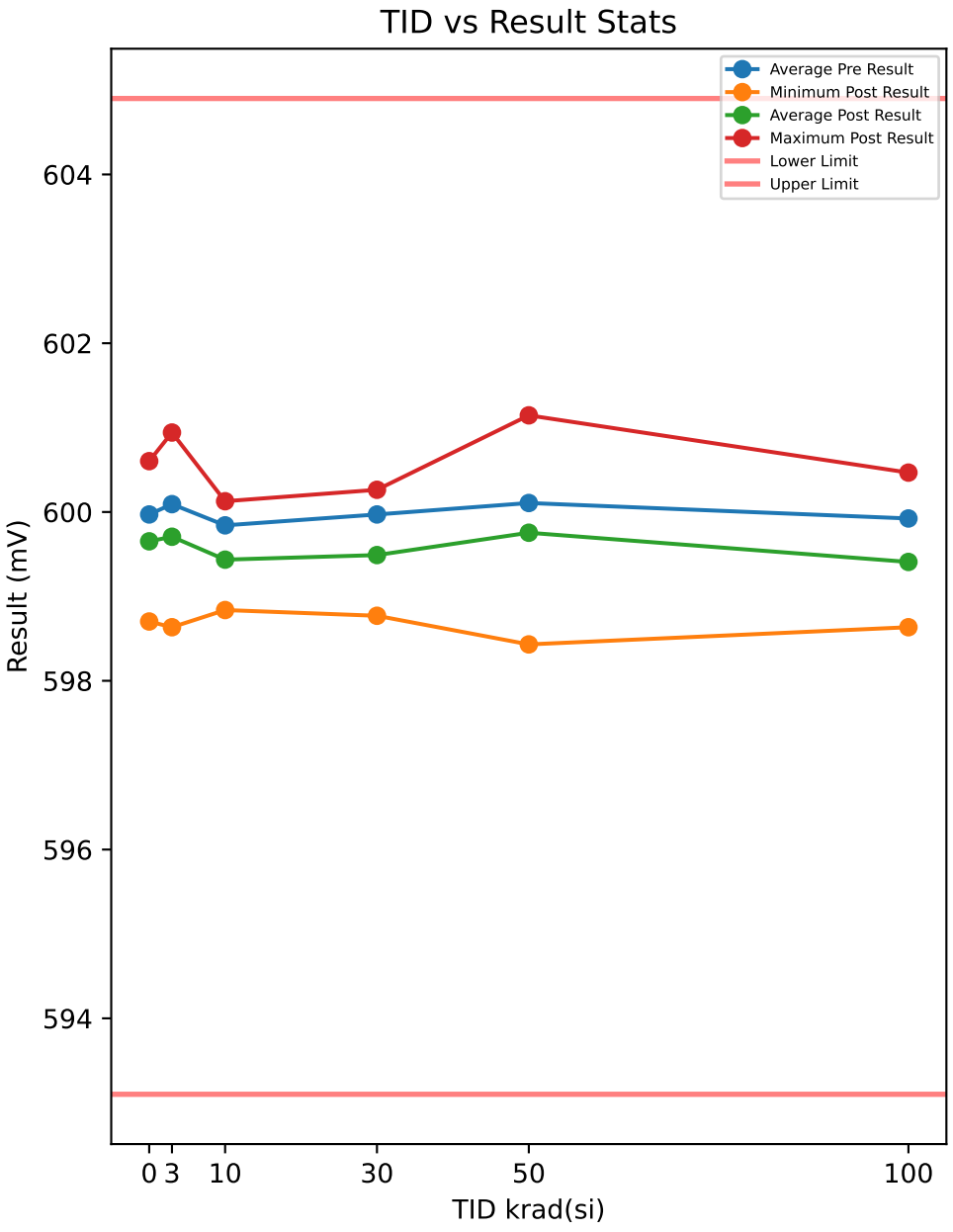
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

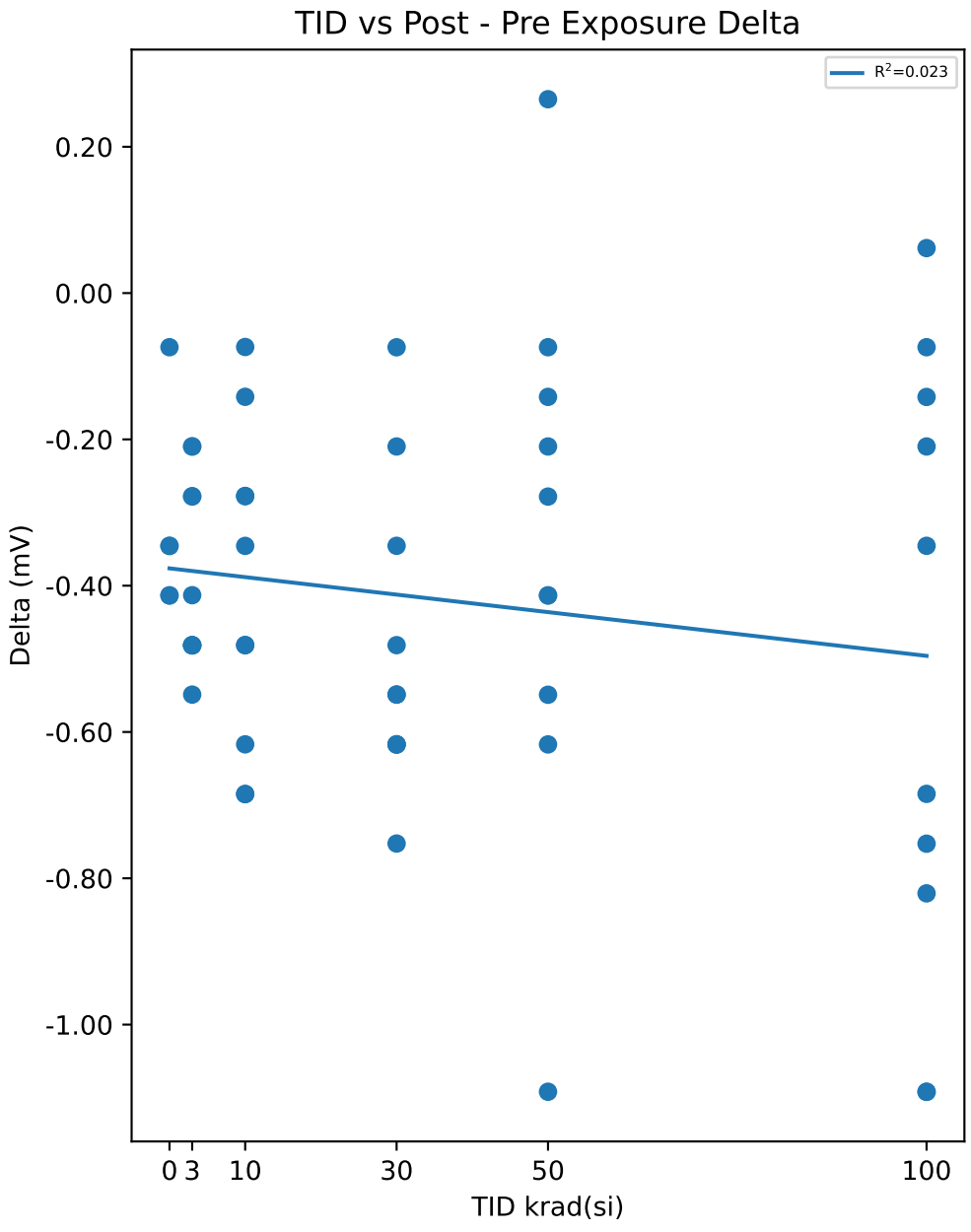
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	599.65	599.54	-0.1188
2	3	Biased	600.74	600.62	-0.1198
3	3	Biased	601.15	600.76	-0.3916
4	3	Biased	600.88	600.96	0.0838
5	3	Biased	600.4	600.49	0.0843
6	3	Unbiased	600.4	600.28	-0.1194
7	3	Unbiased	600.27	600.15	-0.1192
8	3	Unbiased	600.06	599.94	-0.1192
9	3	Unbiased	600.88	600.76	-0.1198
10	3	Unbiased	599.59	599.67	0.0849
11	10	Biased	600.06	599.74	-0.3229
12	10	Biased	600.06	599.88	-0.1871
13	10	Biased	601.22	601.23	0.0156
14	10	Biased	600.74	600.62	-0.1198
15	10	Biased	600.61	600.62	0.0161
16	10	Unbiased	599.59	599.67	0.0849
17	10	Unbiased	600.06	600.21	0.1524
18	10	Unbiased	601.42	601.3	-0.1203
19	10	Unbiased	599.59	599.88	0.2885
20	10	Unbiased	599.79	599.74	-0.0511
21	30	Biased	599.86	599.4	-0.4584
22	30	Biased	600.54	600.62	0.0841
23	30	Biased	601.01	600.96	-0.0521
24	30	Biased	600.54	600.55	0.0162
25	30	Biased	600.47	600.28	-0.1874
26	30	Unbiased	599.52	599.47	-0.0508
27	30	Unbiased	599.31	599.13	-0.1864
28	30	Unbiased	600.47	600.28	-0.1874
29	30	Unbiased	600.33	600.28	-0.0515
30	30	Unbiased	599.86	599.47	-0.3905
31	50	Biased	599.65	599.33	-0.3224
32	50	Biased	601.29	601.1	-0.1881
33	50	Biased	600.13	599.6	-0.5265
34	50	Biased	600.67	600.35	-0.3233
35	50	Biased	600.54	600.35	-0.1874
36	50	Unbiased	600.81	600.96	0.1517
37	50	Unbiased	599.65	598.72	-0.9334
38	50	Unbiased	599.72	599.94	0.2206
39	50	Unbiased	599.72	599.6	-0.1188
40	50	Unbiased	600.54	600.96	0.4235
41	100	Biased	600.54	599.81	-0.7305
42	100	Biased	599.59	598.45	-1.137
43	100	Biased	600.4	600.55	0.1521
44	100	Biased	601.22	601.3	0.0835
45	100	Biased	599.45	598.79	-0.6617
46	100	Unbiased	600.67	600.96	0.2876
47	100	Unbiased	600.06	599.94	-0.1192
48	100	Unbiased	600.81	601.16	0.3554
49	100	Unbiased	600.95	601.1	0.1516
50	100	Unbiased	599.79	599.2	-0.5941
51	0	Correlation	601.35	601.1	-0.256
52	0	Correlation	599.93	599.94	0.0167
53	0	Correlation	600.27	600.28	0.0165
54	0	Correlation	600.4	600.01	-0.3909
55	0	Correlation	599.31	599.26	-0.0506

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	600.25	601.35	0.74486	599.26	600.12	601.1	0.66267	-0.3909	-0.13286	0.0167	0.18248
3	599.59	600.4	601.15	0.52528	599.54	600.32	600.96	0.48556	-0.3916	-0.08548	0.0849	0.14419
10	599.59	600.31	601.42	0.65249	599.67	600.29	601.3	0.6209	-0.3229	-0.02437	0.2885	0.17605
30	599.31	600.19	601.01	0.53059	599.13	600.04	600.96	0.62564	-0.4584	-0.14642	0.0841	0.17272
50	599.65	600.27	601.29	0.57779	598.72	600.09	601.1	0.78955	-0.9334	-0.18041	0.4235	0.38974
100	599.45	600.35	601.22	0.60072	598.45	600.13	601.3	1.0478	-1.137	-0.22123	0.3554	0.51684

Device Test: 13.11; VTH_SENSE





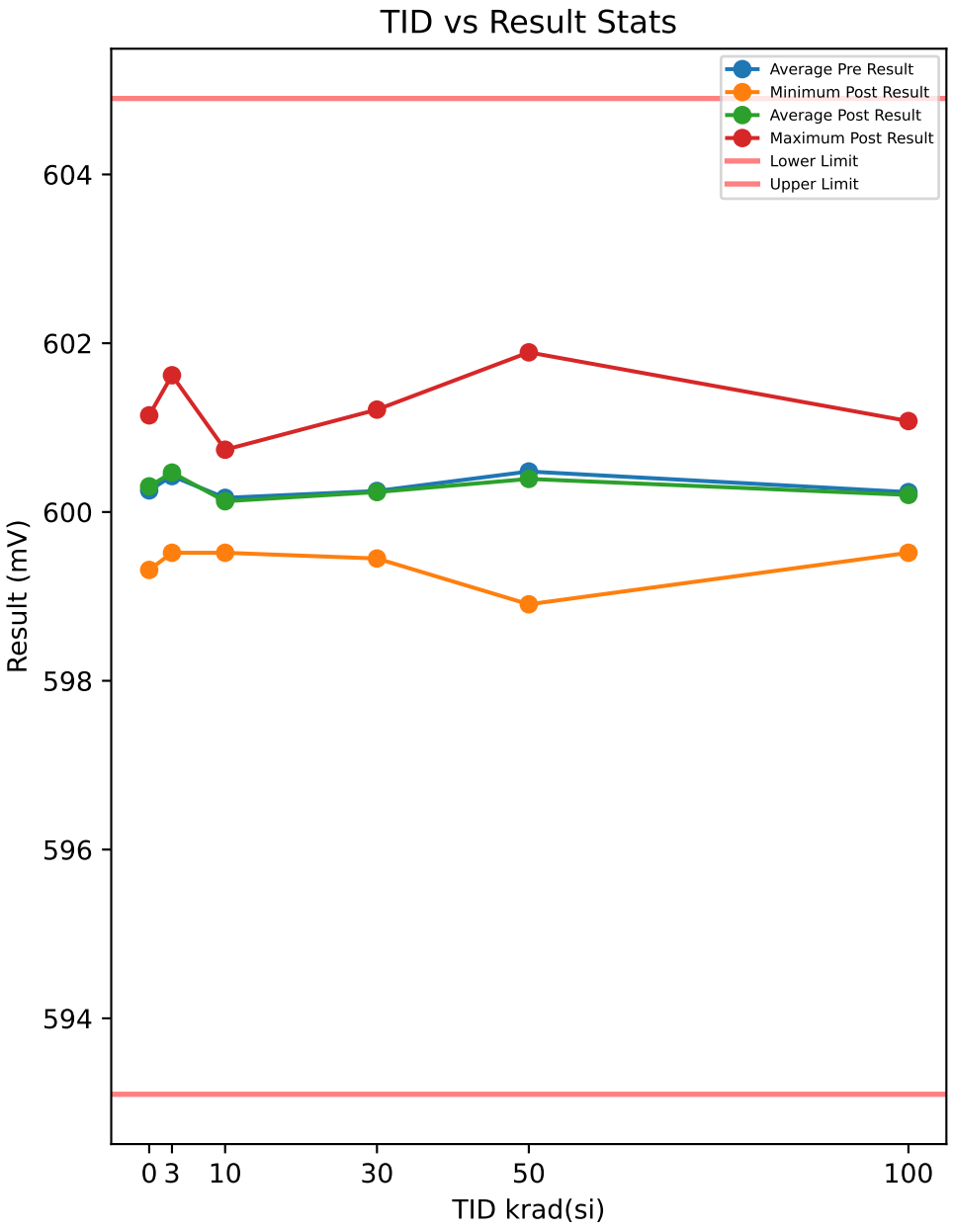
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

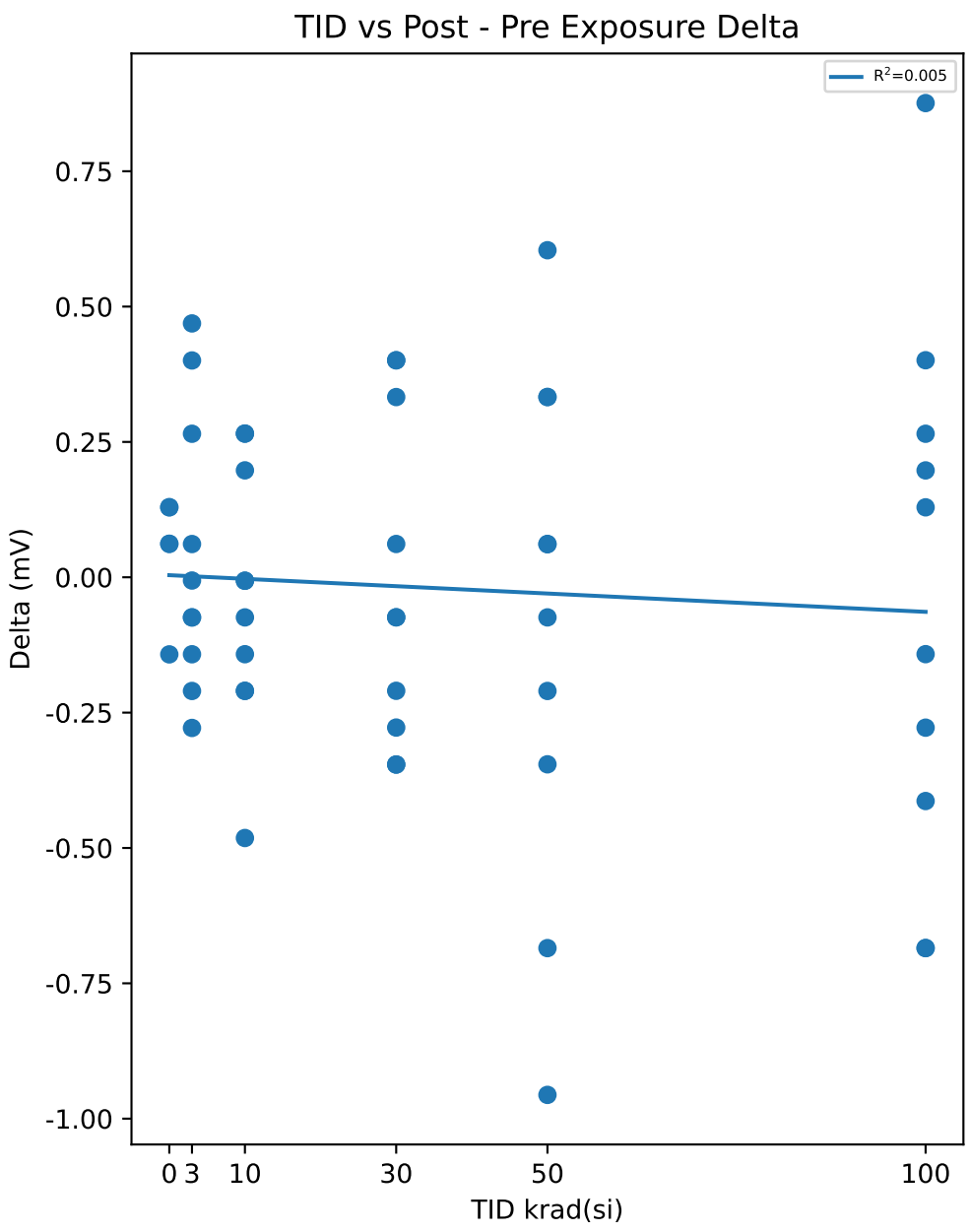
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	599.05	598.63	-0.413
2	3	Biased	600.13	599.65	-0.4812
3	3	Biased	601.22	600.94	-0.2781
4	3	Biased	599.86	599.58	-0.2776
5	3	Biased	600.27	599.79	-0.4814
6	3	Unbiased	601.15	600.67	-0.4817
7	3	Unbiased	600.68	600.2	-0.4815
8	3	Unbiased	598.98	598.77	-0.2094
9	3	Unbiased	600.27	600.06	-0.2099
10	3	Unbiased	599.32	598.77	-0.5489
11	10	Biased	599.73	599.11	-0.6169
12	10	Biased	599.66	598.97	-0.6847
13	10	Biased	600.41	600.06	-0.3456
14	10	Biased	600.2	599.92	-0.2777
15	10	Biased	600.27	599.79	-0.4814
16	10	Unbiased	599.12	598.84	-0.2773
17	10	Unbiased	599.66	599.52	-0.1418
18	10	Unbiased	600.81	600.13	-0.685
19	10	Unbiased	599.05	598.97	-0.0737
20	10	Unbiased	599.52	599.04	-0.4811
21	30	Biased	599.52	598.77	-0.7525
22	30	Biased	600.07	599.72	-0.3455
23	30	Biased	600.68	600.06	-0.6172
24	30	Biased	599.86	599.65	-0.2097
25	30	Biased	600.47	599.99	-0.4813
26	30	Unbiased	599.32	598.77	-0.5489
27	30	Unbiased	599.46	598.91	-0.5488
28	30	Unbiased	600.61	599.99	-0.6171
29	30	Unbiased	600.34	600.26	-0.0741
30	30	Unbiased	599.39	598.77	-0.6167
31	50	Biased	599.93	599.38	-0.5491
32	50	Biased	601.42	601.15	-0.2782
33	50	Biased	599.52	599.11	-0.4132
34	50	Biased	600.2	599.58	-0.617
35	50	Biased	600.13	599.72	-0.4134
36	50	Unbiased	599.73	599.58	-0.1419
37	50	Unbiased	599.52	598.43	-1.0918
38	50	Unbiased	599.73	599.52	-0.2097
39	50	Unbiased	600.07	599.99	-0.074
40	50	Unbiased	600.81	601.08	0.265
41	100	Biased	600.2	599.38	-0.8206
42	100	Biased	599.93	598.84	-1.0919
43	100	Biased	600.41	600.47	0.0615
44	100	Biased	599.93	599.58	-0.3455
45	100	Biased	599.46	598.77	-0.6846
46	100	Unbiased	599.93	599.79	-0.142
47	100	Unbiased	600.13	599.38	-0.7527
48	100	Unbiased	599.73	599.65	-0.074
49	100	Unbiased	599.79	599.58	-0.2097
50	100	Unbiased	599.73	598.63	-1.0919
51	0	Correlation	600.27	599.86	-0.4135
52	0	Correlation	600.95	600.6	-0.3458
53	0	Correlation	599.73	599.65	-0.074
54	0	Correlation	599.79	599.45	-0.3454
55	0	Correlation	599.12	598.7	-0.4131

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	599.12	599.97	600.95	0.68321	598.7	599.65	600.6	0.68703	-0.4135	-0.31836	-0.074	0.14073
3	598.98	600.09	601.22	0.80141	598.63	599.71	600.94	0.79893	-0.5489	-0.38627	-0.2094	0.1288
10	599.05	599.84	600.81	0.56887	598.84	599.44	600.13	0.50355	-0.685	-0.40652	-0.0737	0.21813
30	599.32	599.97	600.68	0.5318	598.77	599.49	600.26	0.61465	-0.7525	-0.48118	-0.0741	0.20975
50	599.52	600.11	601.42	0.60053	598.43	599.75	601.15	0.82754	-1.0918	-0.35233	0.265	0.36388
100	599.46	599.92	600.41	0.27235	598.63	599.41	600.47	0.54959	-1.0919	-0.51514	0.0615	0.42586

Device Test: 13.12; VTH_SENSE





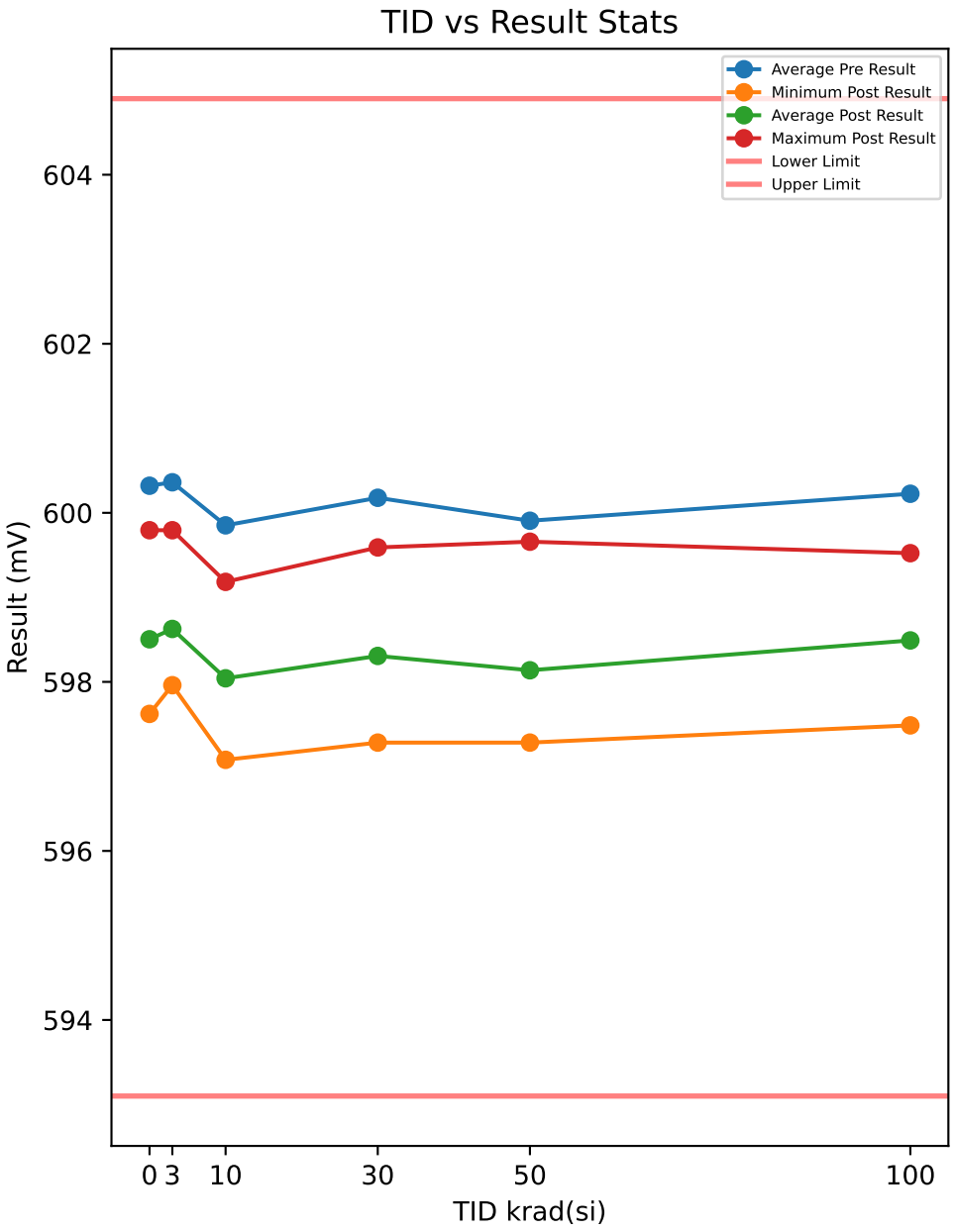
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

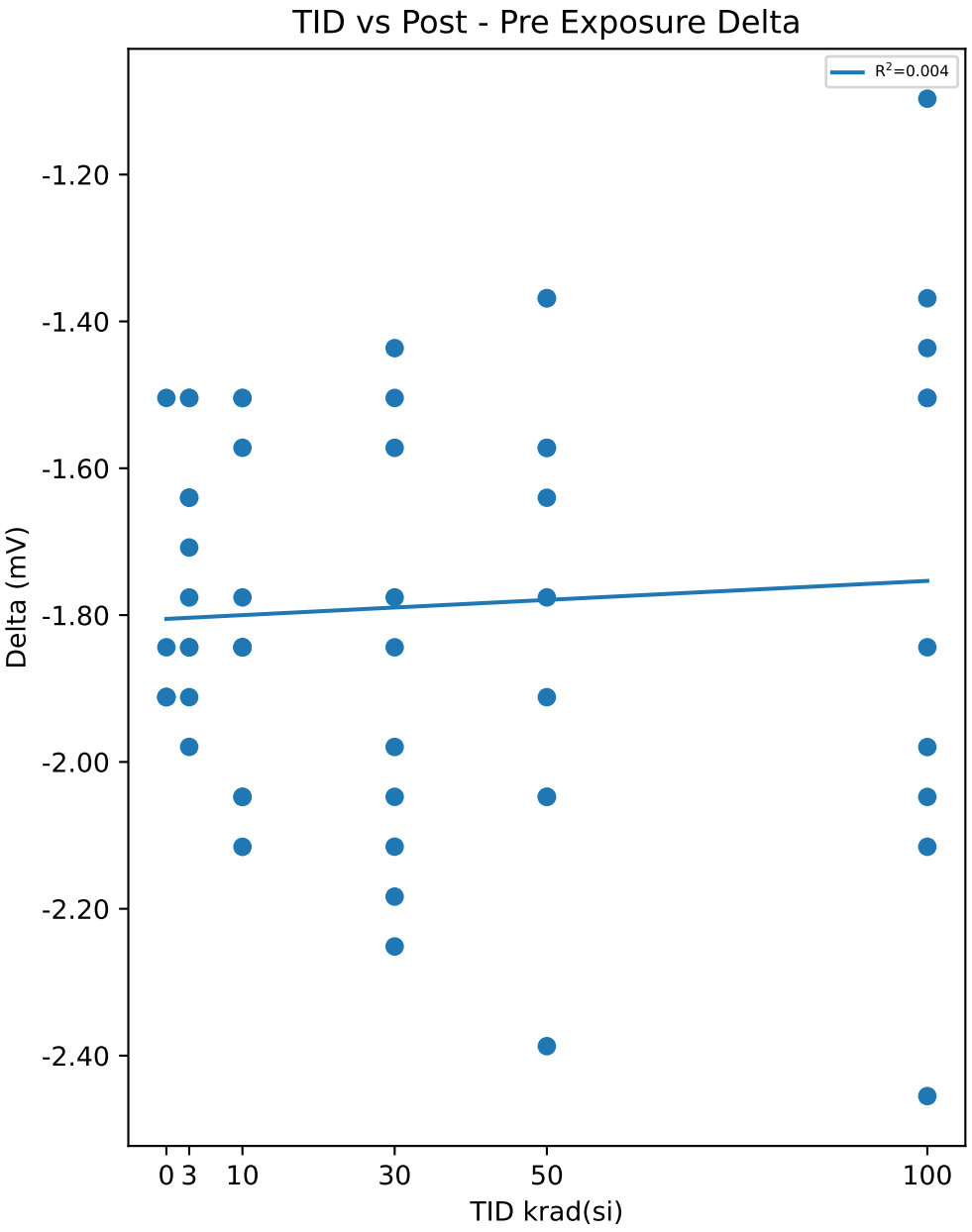
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	599.52	599.52	-0.006
2	3	Biased	600.61	600.47	-0.1422
3	3	Biased	601.7	601.42	-0.2783
4	3	Biased	600.2	600.47	0.2651
5	3	Biased	600.61	600.4	-0.21
6	3	Unbiased	601.22	601.62	0.4005
7	3	Unbiased	600.81	600.87	0.0614
8	3	Unbiased	599.32	599.79	0.4689
9	3	Unbiased	600.68	600.6	-0.0743
10	3	Unbiased	599.59	599.52	-0.0739
11	10	Biased	600.07	599.86	-0.2098
12	10	Biased	599.93	599.72	-0.2098
13	10	Biased	600.54	600.53	-0.0064
14	10	Biased	600.74	600.74	-0.0064
15	10	Biased	600.47	600.33	-0.1421
16	10	Unbiased	599.25	599.52	0.2655
17	10	Unbiased	600.13	600.06	-0.0741
18	10	Unbiased	601.08	600.6	-0.4816
19	10	Unbiased	599.66	599.92	0.2653
20	10	Unbiased	599.79	599.99	0.1975
21	30	Biased	599.73	599.45	-0.2776
22	30	Biased	600.27	600.33	0.0615
23	30	Biased	601.02	600.67	-0.3459
24	30	Biased	600.13	600.53	0.4009
25	30	Biased	600.54	600.87	0.3329
26	30	Unbiased	599.52	599.45	-0.0739
27	30	Unbiased	599.73	599.65	-0.074
28	30	Unbiased	600.95	600.6	-0.3458
29	30	Unbiased	600.81	601.21	0.4007
30	30	Unbiased	599.79	599.58	-0.2097
31	50	Biased	600.13	600.47	0.333
32	50	Biased	601.83	601.89	0.061
33	50	Biased	600	599.92	-0.0741
34	50	Biased	600.68	599.99	-0.685
35	50	Biased	600.34	599.99	-0.3455
36	50	Unbiased	600	600.33	0.333
37	50	Unbiased	599.86	598.91	-0.9561
38	50	Unbiased	600.13	600.2	0.0616
39	50	Unbiased	600.61	600.4	-0.21
40	50	Unbiased	601.22	601.82	0.6041
41	100	Biased	600.47	599.79	-0.685
42	100	Biased	600.2	599.52	-0.6848
43	100	Biased	600.95	601.08	0.1292
44	100	Biased	600.47	600.2	-0.2778
45	100	Biased	599.73	599.92	0.1974
46	100	Unbiased	600.2	600.47	0.2651
47	100	Unbiased	600.34	600.2	-0.142
48	100	Unbiased	599.93	600.81	0.8759
49	100	Unbiased	600	600.4	0.4009
50	100	Unbiased	600.07	599.65	-0.4133
51	0	Correlation	600.68	600.81	0.1292
52	0	Correlation	601.29	601.15	-0.1424
53	0	Correlation	600	600.13	0.1295
54	0	Correlation	600.07	600.13	0.0617
55	0	Correlation	599.25	599.31	0.0619

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	600.26	601.29	0.76708	599.31	600.3	601.15	0.70777	-0.1424	0.04798	0.1295	0.11166
3	599.32	600.43	601.7	0.76801	599.52	600.47	601.62	0.72167	-0.2783	0.04112	0.4689	0.25608
10	599.25	600.17	601.08	0.5489	599.52	600.13	600.74	0.40588	-0.4816	-0.04019	0.2655	0.23792
30	599.52	600.25	601.02	0.5552	599.45	600.24	601.21	0.64866	-0.3459	-0.01309	0.4009	0.29914
50	599.86	600.48	601.83	0.62659	598.91	600.39	601.89	0.88787	-0.9561	-0.0878	0.6041	0.47952
100	599.73	600.24	600.95	0.345	599.52	600.2	601.08	0.50115	-0.685	-0.03344	0.8759	0.49989

Device Test: 13.13; VTH_SENSE





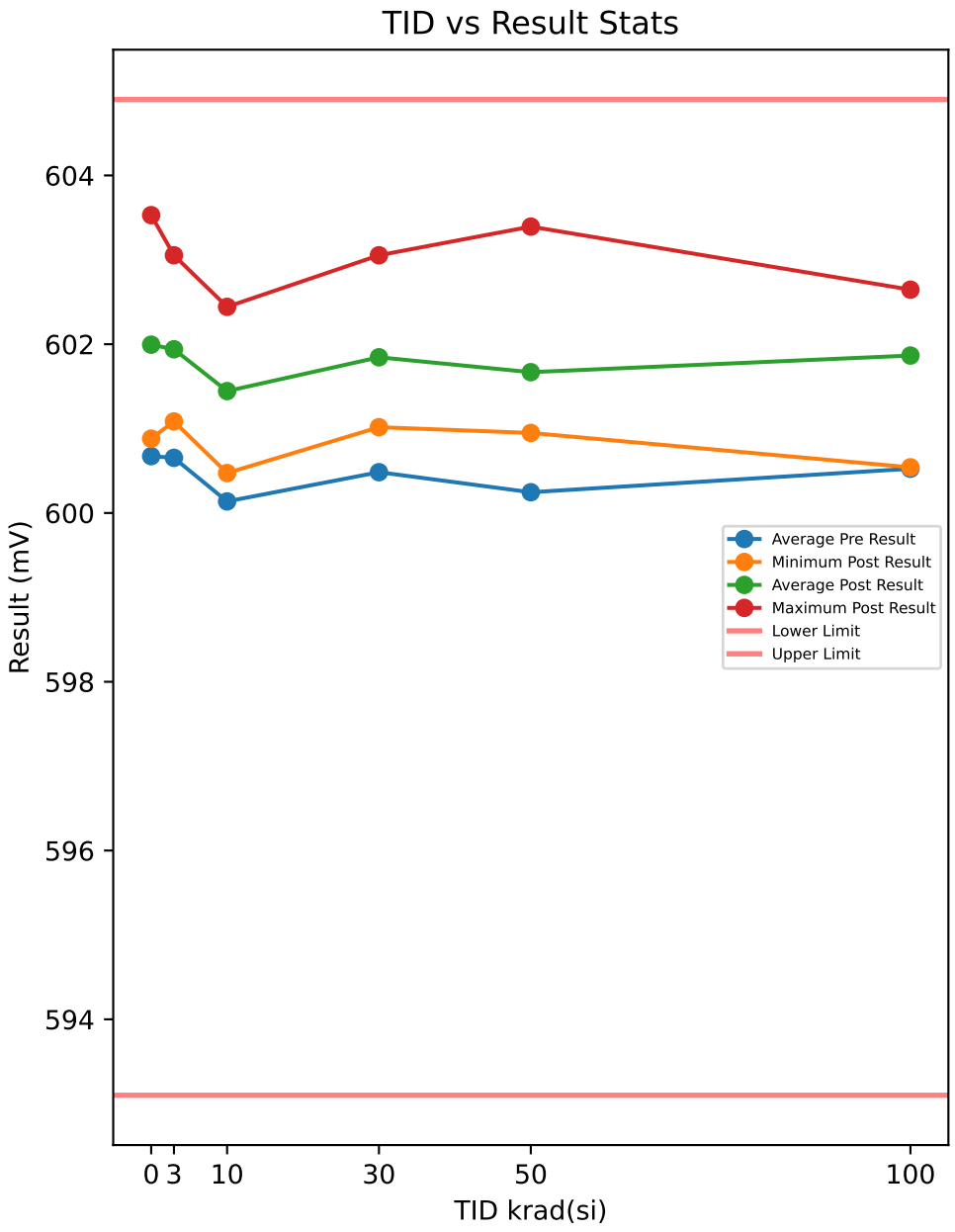
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

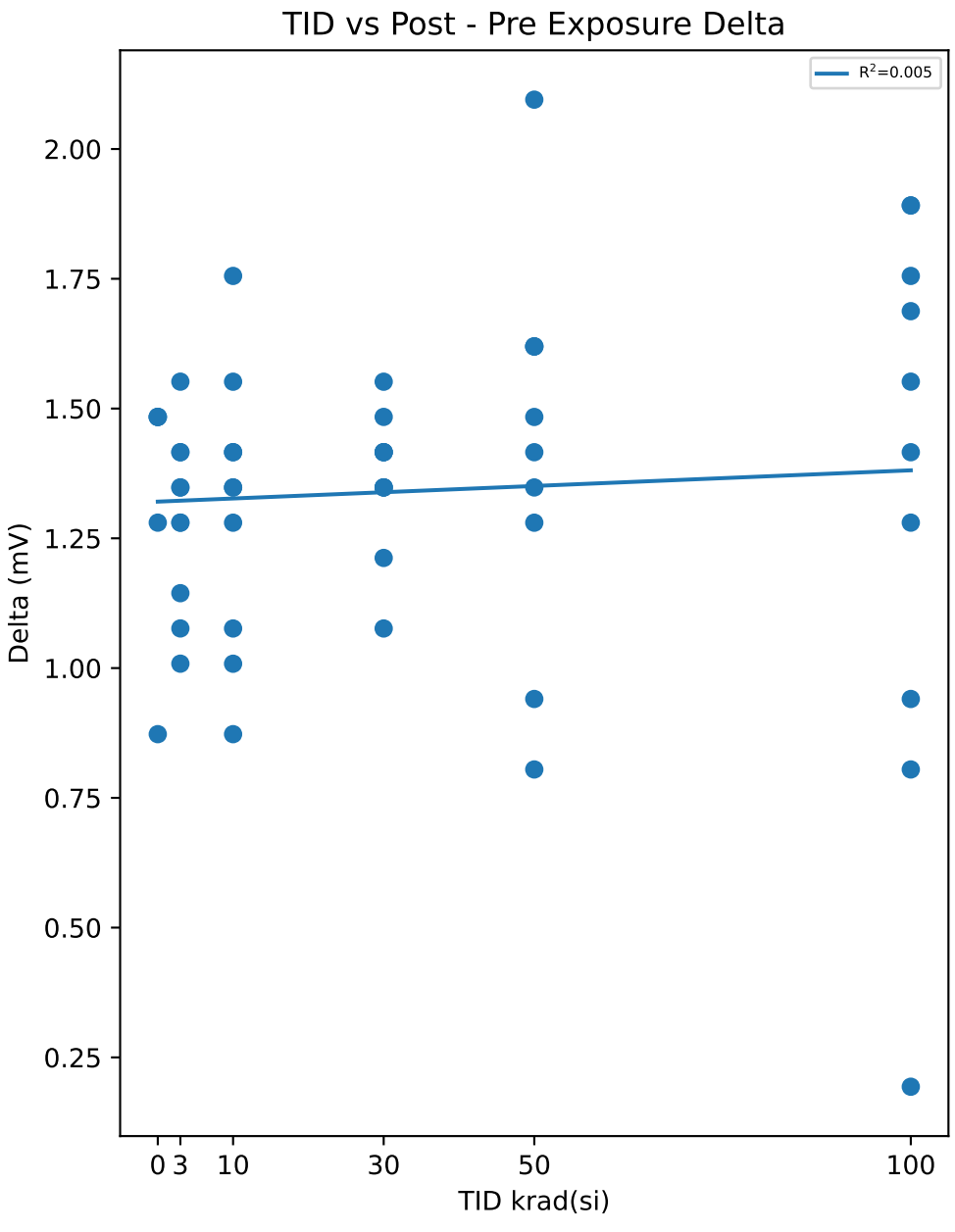
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	599.94	598.16	-1.776
2	3	Biased	600.14	598.23	-1.9118
3	3	Biased	601.3	599.79	-1.5042
4	3	Biased	600.42	598.71	-1.708
5	3	Biased	600.62	598.78	-1.8438
6	3	Unbiased	600.35	598.5	-1.8439
7	3	Unbiased	600.28	598.78	-1.5043
8	3	Unbiased	599.6	597.96	-1.6401
9	3	Unbiased	601.37	599.39	-1.9795
10	3	Unbiased	599.6	597.96	-1.6401
11	10	Biased	599.74	597.89	-1.8438
12	10	Biased	599.19	597.08	-2.1156
13	10	Biased	599.94	598.44	-1.5043
14	10	Biased	600.42	598.57	-1.8439
15	10	Biased	600.42	598.64	-1.7759
16	10	Unbiased	599.19	597.15	-2.0477
17	10	Unbiased	600.01	598.44	-1.5721
18	10	Unbiased	601.23	599.18	-2.0475
19	10	Unbiased	599.26	597.76	-1.5044
20	10	Unbiased	599.13	597.28	-1.8439
21	30	Biased	599.74	597.49	-2.2513
22	30	Biased	600.35	598.91	-1.4364
23	30	Biased	601.64	599.59	-2.0475
24	30	Biased	599.94	598.44	-1.5043
25	30	Biased	600.69	598.91	-1.7759
26	30	Unbiased	599.53	597.35	-2.1834
27	30	Unbiased	599.13	597.28	-1.8439
28	30	Unbiased	600.55	598.44	-2.1154
29	30	Unbiased	600.35	598.78	-1.5722
30	30	Unbiased	599.87	597.89	-1.9796
31	50	Biased	599.53	598.16	-1.3685
32	50	Biased	601.09	599.05	-2.0475
33	50	Biased	600.01	597.96	-2.0475
34	50	Biased	599.74	597.96	-1.7759
35	50	Biased	598.92	597.28	-1.6402
36	50	Unbiased	599.26	597.69	-1.5723
37	50	Unbiased	600.01	597.62	-2.3871
38	50	Unbiased	599.8	598.23	-1.5722
39	50	Unbiased	599.67	597.76	-1.9118
40	50	Unbiased	601.03	599.66	-1.3684
41	100	Biased	600.28	598.23	-2.0476
42	100	Biased	600.55	598.57	-1.9797
43	100	Biased	600.62	599.52	-1.0967
44	100	Biased	600.42	598.91	-1.5043
45	100	Biased	599.67	598.3	-1.3685
46	100	Unbiased	600.48	598.98	-1.5042
47	100	Unbiased	600.14	598.03	-2.1155
48	100	Unbiased	600.42	598.98	-1.4363
49	100	Unbiased	599.74	597.89	-1.8438
50	100	Unbiased	599.94	597.49	-2.4551
51	0	Correlation	600.82	599.32	-1.5042
52	0	Correlation	601.71	599.79	-1.9115
53	0	Correlation	599.8	597.89	-1.9117
54	0	Correlation	599.74	597.89	-1.8438
55	0	Correlation	599.53	597.62	-1.9118

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	599.53	600.32	601.71	0.92184	597.62	598.5	599.79	0.98178	-1.9118	-1.8166	-1.5042	0.17709
3	599.6	600.36	601.37	0.60972	597.96	598.63	599.79	0.60216	-1.9795	-1.7352	-1.5042	0.16386
10	599.13	599.85	601.23	0.69329	597.08	598.04	599.18	0.72	-2.1156	-1.8099	-1.5043	0.22468
30	599.13	600.18	601.64	0.7037	597.28	598.31	599.59	0.77788	-2.2513	-1.871	-1.4364	0.29199
50	598.92	599.91	601.09	0.69193	597.28	598.14	599.66	0.71166	-2.3871	-1.7691	-1.3684	0.32872
100	599.67	600.23	600.62	0.33999	597.49	598.49	599.52	0.61564	-2.4551	-1.7352	-1.0967	0.41769

Device Test: 13.14; VTH_SENSE





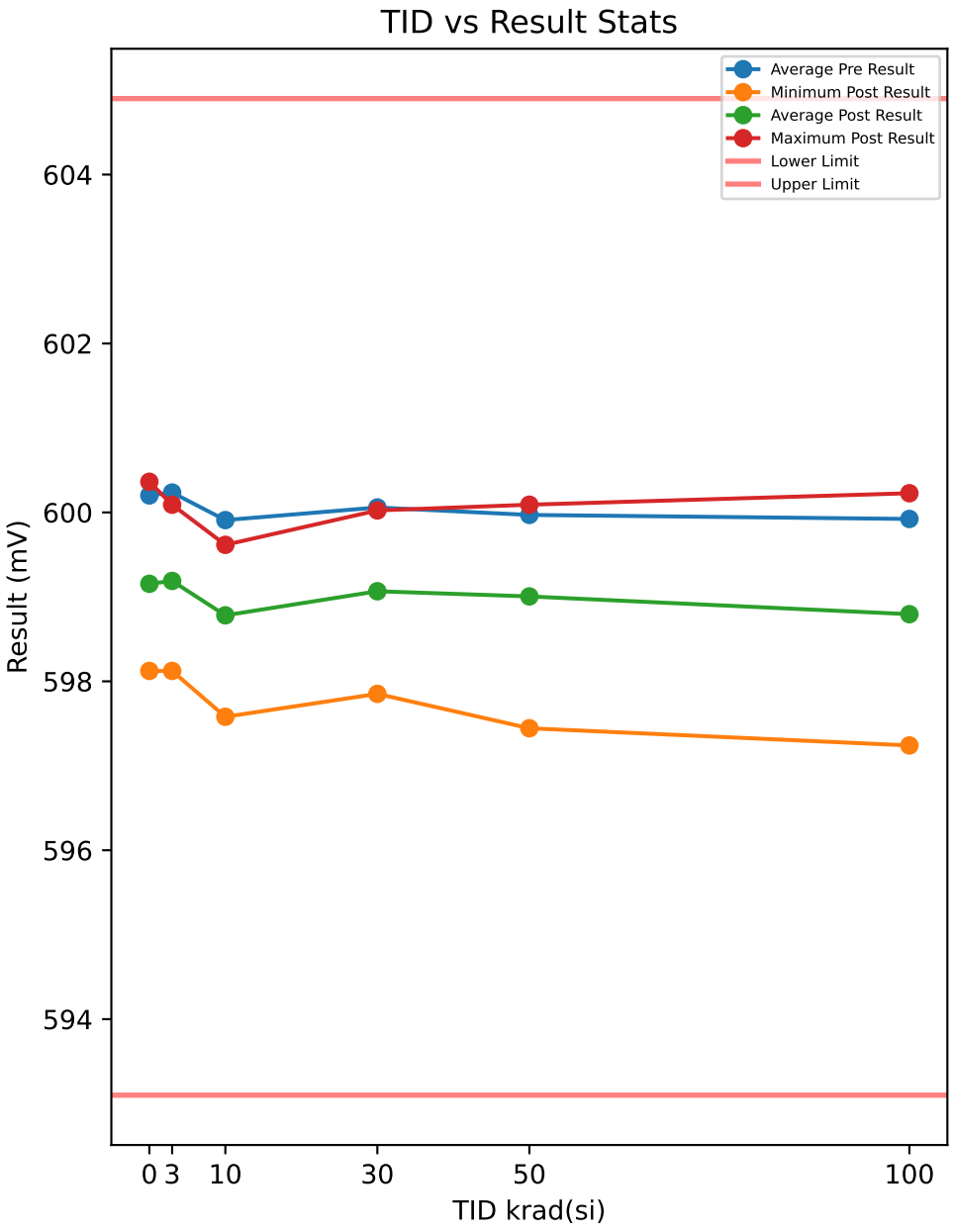
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

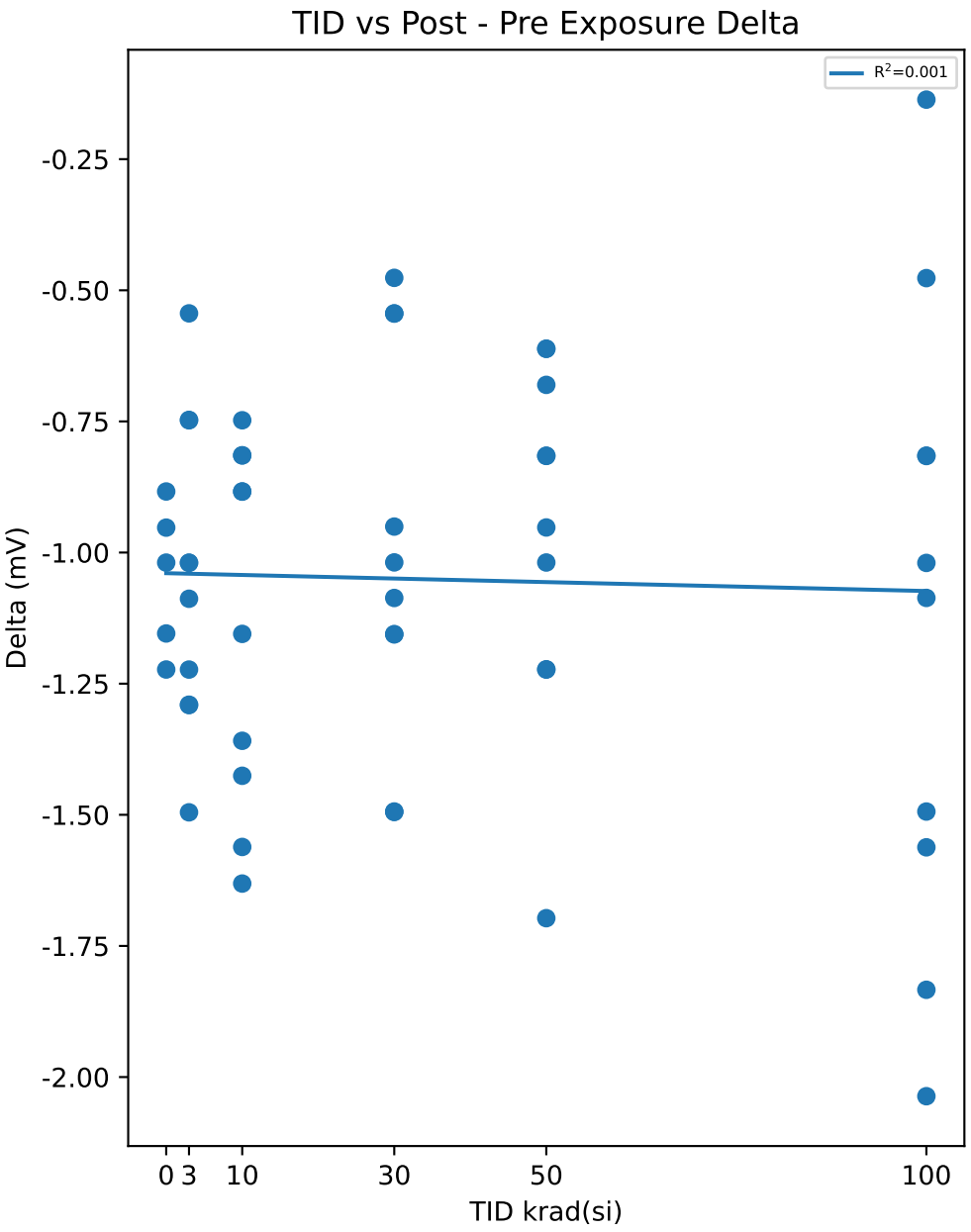
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	599.87	601.29	1.4159
2	3	Biased	600.42	601.83	1.4159
3	3	Biased	601.57	602.92	1.3481
4	3	Biased	600.96	602.24	1.2802
5	3	Biased	601.03	602.31	1.2802
6	3	Unbiased	600.62	601.76	1.1443
7	3	Unbiased	600.55	601.63	1.0764
8	3	Unbiased	599.94	601.29	1.3479
9	3	Unbiased	601.5	603.05	1.5518
10	3	Unbiased	600.08	601.08	1.0085
11	10	Biased	600.08	601.49	1.4159
12	10	Biased	599.47	600.47	1.0084
13	10	Biased	600.14	601.7	1.5517
14	10	Biased	600.55	601.97	1.416
15	10	Biased	600.69	602.44	1.7555
16	10	Unbiased	599.4	600.75	1.3479
17	10	Unbiased	600.35	601.63	1.2801
18	10	Unbiased	601.57	602.44	0.8727
19	10	Unbiased	599.6	600.95	1.348
20	10	Unbiased	599.53	600.61	1.0763
21	30	Biased	599.87	601.08	1.2122
22	30	Biased	600.82	602.24	1.416
23	30	Biased	601.64	603.05	1.416
24	30	Biased	600.28	601.83	1.5517
25	30	Biased	601.03	602.37	1.3481
26	30	Unbiased	599.74	601.08	1.348
27	30	Unbiased	599.6	601.02	1.4159
28	30	Unbiased	600.96	602.44	1.4839
29	30	Unbiased	600.62	601.97	1.3481
30	30	Unbiased	600.28	601.36	1.0763
31	50	Biased	600.01	601.36	1.348
32	50	Biased	601.37	602.99	1.6198
33	50	Biased	600.21	601.15	0.9405
34	50	Biased	600.28	601.7	1.4159
35	50	Biased	599.33	600.95	1.6196
36	50	Unbiased	599.53	601.15	1.6196
37	50	Unbiased	600.42	601.22	0.8047
38	50	Unbiased	600.14	601.63	1.4838
39	50	Unbiased	599.87	601.15	1.2801
40	50	Unbiased	601.3	603.39	2.0951
41	100	Biased	600.55	601.49	0.9405
42	100	Biased	600.89	602.17	1.2802
43	100	Biased	600.76	602.65	1.8913
44	100	Biased	600.82	602.37	1.5518
45	100	Biased	600.01	601.7	1.6876
46	100	Unbiased	600.69	602.58	1.8913
47	100	Unbiased	600.48	601.29	0.8047
48	100	Unbiased	600.82	602.58	1.7555
49	100	Unbiased	599.87	601.29	1.4159
50	100	Unbiased	600.35	600.54	0.1935
51	0	Correlation	601.37	602.65	1.2802
52	0	Correlation	602.05	603.53	1.484
53	0	Correlation	599.94	601.42	1.4838
54	0	Correlation	600.01	600.88	0.8727
55	0	Correlation	600.01	601.49	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	599.94	600.67	602.05	0.97272	600.88	601.99	603.53	1.0722	0.8727	1.3209	1.484	0.26562
3	599.87	600.65	601.57	0.60674	601.08	601.94	603.05	0.67851	1.0085	1.2869	1.5518	0.16772
10	599.4	600.14	601.57	0.68541	600.47	601.44	602.44	0.72584	0.8727	1.3072	1.7555	0.26243
30	599.6	600.48	601.64	0.64818	601.02	601.85	603.05	0.69536	1.0763	1.3616	1.5517	0.13508
50	599.33	600.25	601.37	0.66244	600.95	601.67	603.39	0.83862	0.8047	1.4227	2.0951	0.36707
100	599.87	600.52	600.89	0.35242	600.54	601.87	602.65	0.71243	0.1935	1.3412	1.8913	0.54936

Device Test: 13.15; VTH_SENSE





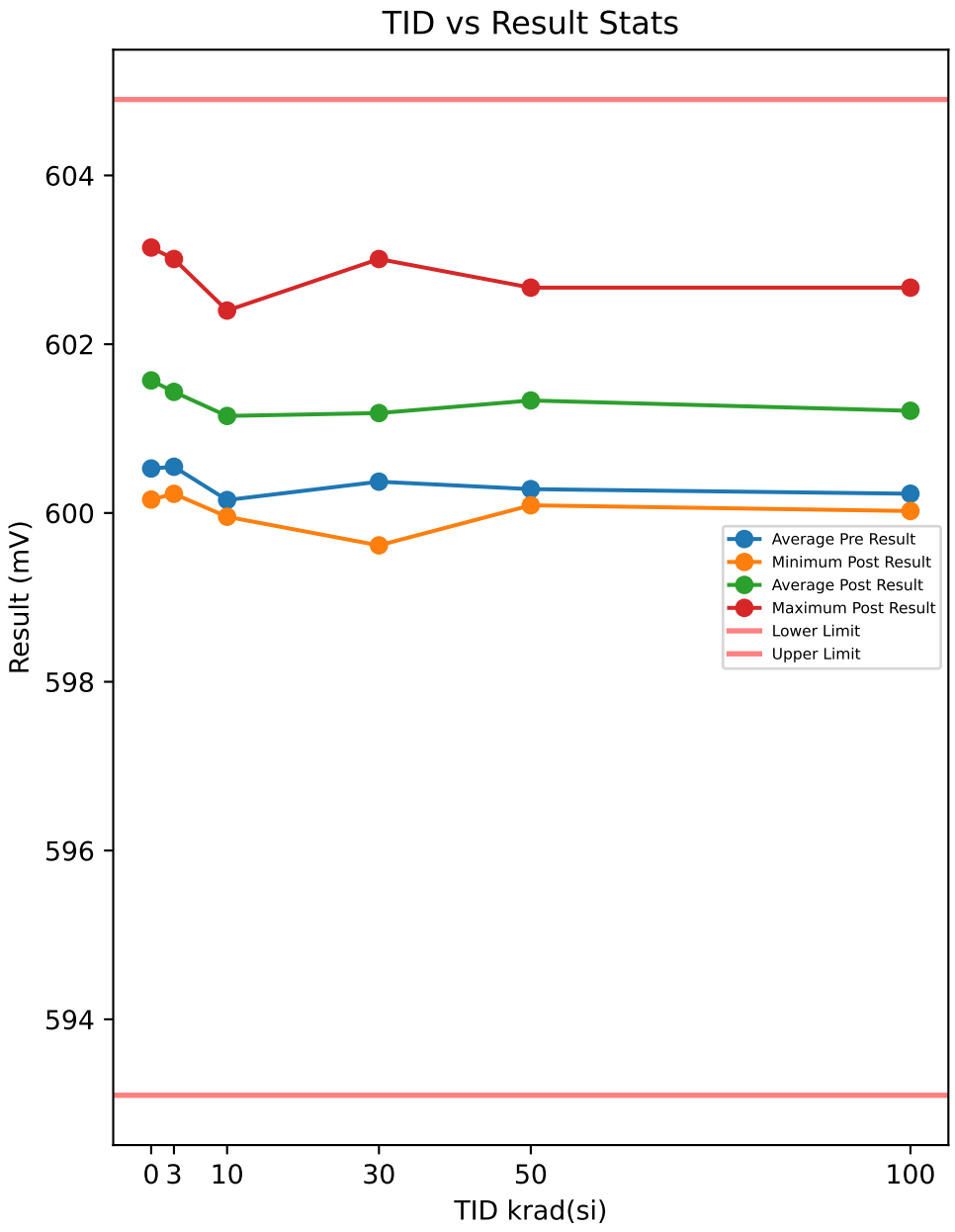
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

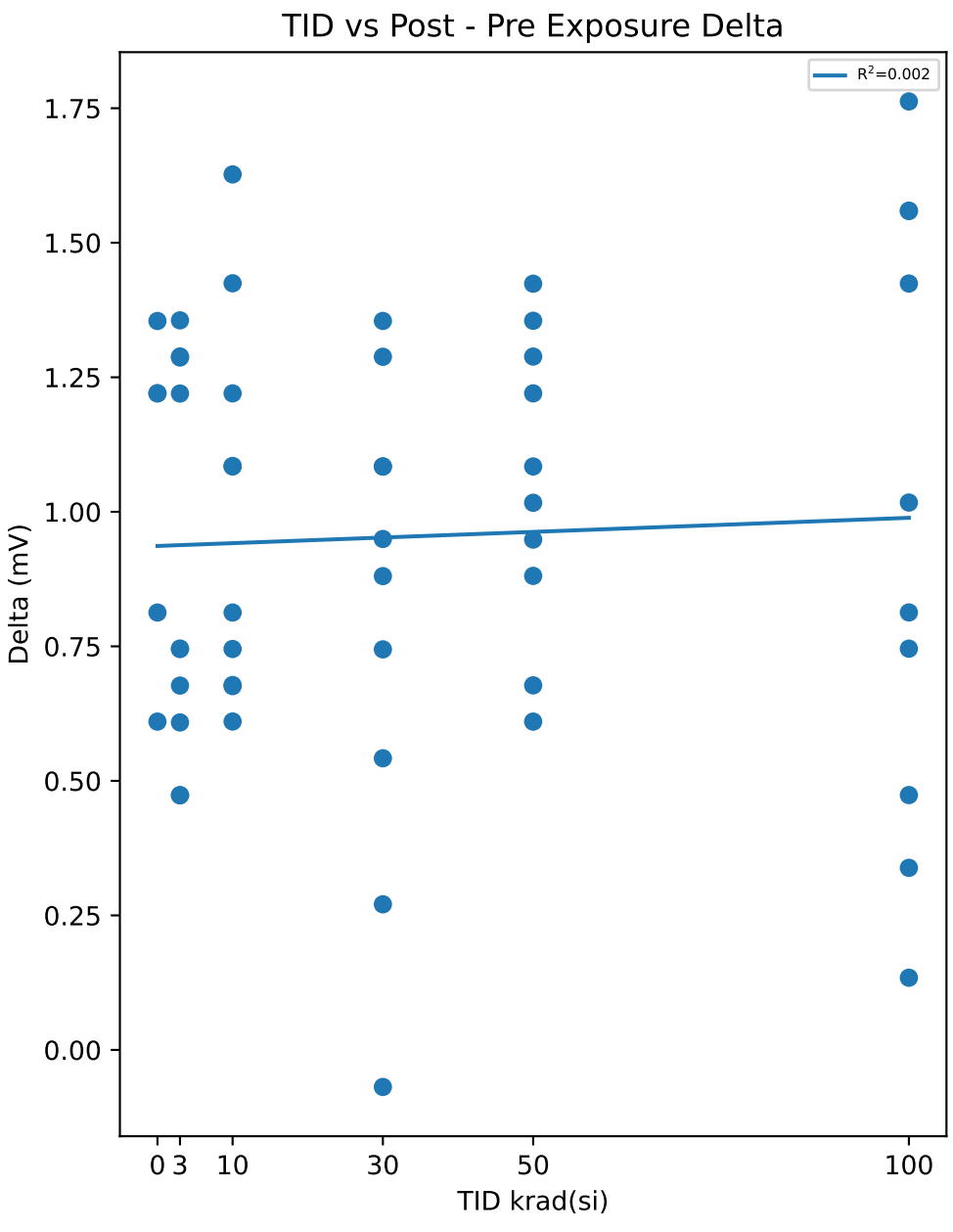
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	599.35	598.6	-0.7471
2	3	Biased	601.11	599.62	-1.4953
3	3	Biased	601.18	600.09	-1.0881
4	3	Biased	599.96	599.41	-0.544
5	3	Biased	600.23	599.21	-1.0194
6	3	Unbiased	600.43	599.41	-1.0196
7	3	Unbiased	600.36	599.14	-1.2231
8	3	Unbiased	600.16	598.87	-1.2908
9	3	Unbiased	600.16	599.41	-0.7479
10	3	Unbiased	599.41	598.12	-1.2901
11	10	Biased	600.09	599.21	-0.8835
12	10	Biased	599.01	598.19	-0.8146
13	10	Biased	600.09	599.34	-0.7478
14	10	Biased	600.5	599.14	-1.3589
15	10	Biased	600.16	599.01	-1.1551
16	10	Unbiased	599.14	597.58	-1.5613
17	10	Unbiased	600.5	599.62	-0.8839
18	10	Unbiased	601.25	599.62	-1.6311
19	10	Unbiased	599.14	597.72	-1.4256
20	10	Unbiased	599.21	598.39	-0.8148
21	30	Biased	599.48	598.39	-1.0866
22	30	Biased	599.96	599.41	-0.544
23	30	Biased	601.18	600.02	-1.156
24	30	Biased	600.02	599.55	-0.4763
25	30	Biased	600.77	599.62	-1.1556
26	30	Unbiased	599.35	597.85	-1.4937
27	30	Unbiased	599.21	598.26	-0.9505
28	30	Unbiased	600.64	599.14	-1.4947
29	30	Unbiased	600.36	599.82	-0.5445
30	30	Unbiased	599.62	598.6	-1.0188
31	50	Biased	599.41	598.8	-0.6114
32	50	Biased	601.04	600.09	-0.9522
33	50	Biased	599.62	599.01	-0.6116
34	50	Biased	599.82	599.01	-0.8154
35	50	Biased	599.82	598.6	-1.2226
36	50	Unbiased	600.23	599.41	-0.8158
37	50	Unbiased	599.14	597.44	-1.6971
38	50	Unbiased	599.82	598.8	-1.019
39	50	Unbiased	600.36	599.14	-1.2231
40	50	Unbiased	600.43	599.75	-0.6803
41	100	Biased	599.48	597.99	-1.4938
42	100	Biased	599.28	597.24	-2.0365
43	100	Biased	600.7	600.23	-0.4768
44	100	Biased	600.36	599.55	-0.816
45	100	Biased	599.75	598.94	-0.8152
46	100	Unbiased	600.7	599.68	-1.0198
47	100	Unbiased	599.89	598.33	-1.562
48	100	Unbiased	599.62	599.48	-0.1365
49	100	Unbiased	599.41	598.33	-1.0865
50	100	Unbiased	600.02	598.19	-1.8336
51	0	Correlation	600.16	599.28	-0.8836
52	0	Correlation	601.32	600.36	-0.9525
53	0	Correlation	600.02	599.01	-1.0192
54	0	Correlation	600.23	599.01	-1.223
55	0	Correlation	599.28	598.12	-1.1543

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	599.28	600.2	601.32	0.72942	598.12	599.15	600.36	0.80362	-1.223	-1.0465	-0.8836	0.14044
3	599.35	600.24	601.18	0.60289	598.12	599.19	600.09	0.55141	-1.4953	-1.0465	-0.544	0.29555
10	599.01	599.91	601.25	0.75308	597.58	598.78	599.62	0.75645	-1.6311	-1.1277	-0.7478	0.34054
30	599.21	600.06	601.18	0.66345	597.85	599.07	600.02	0.741	-1.4947	-0.99207	-0.4763	0.37064
50	599.14	599.97	601.04	0.55539	597.44	599.01	600.09	0.7154	-1.6971	-0.96485	-0.6114	0.34118
100	599.28	599.92	600.7	0.51858	597.24	598.8	600.23	0.92916	-2.0365	-1.1277	-0.1365	0.60196

Device Test: 13.16; VTH_SENSE





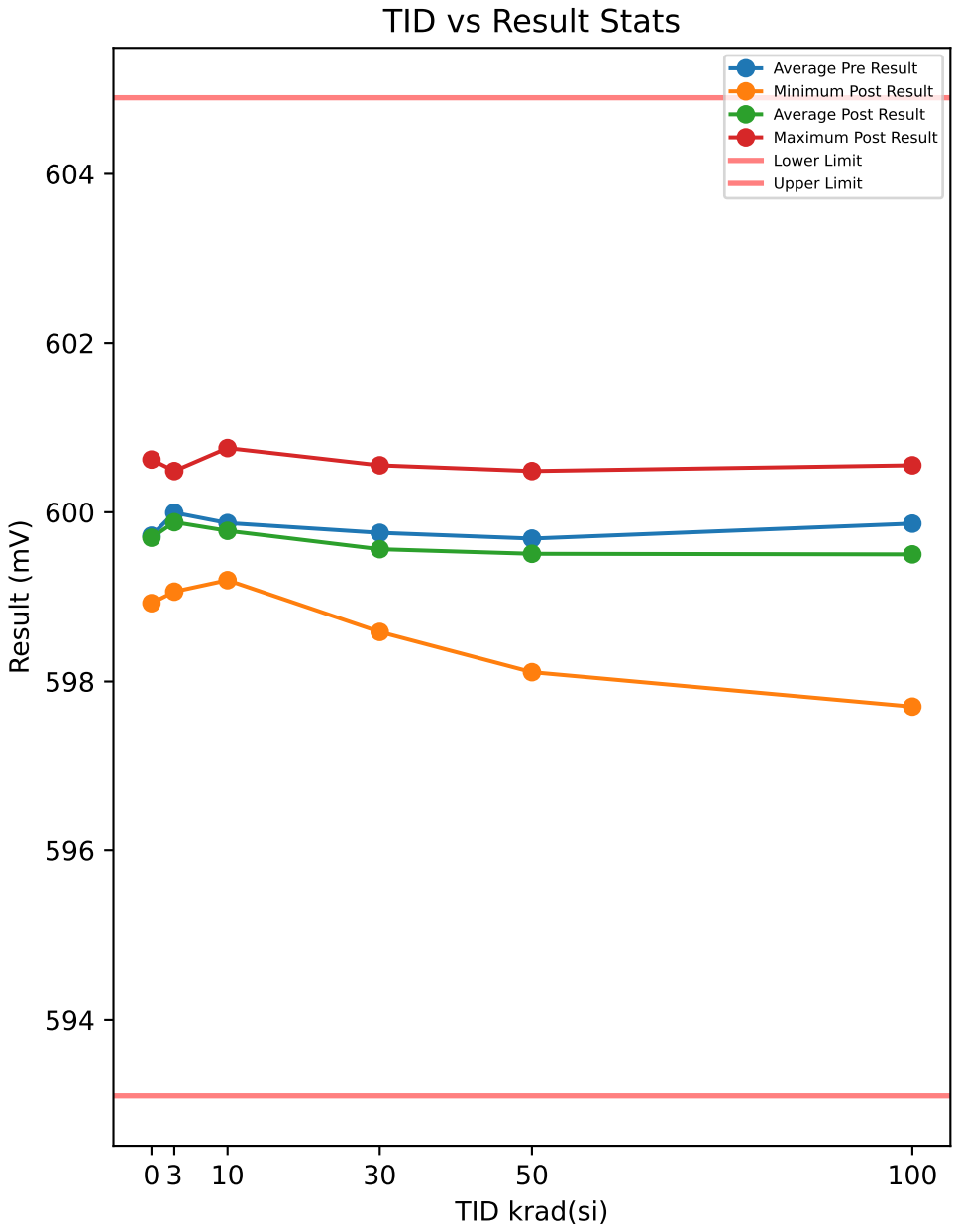
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

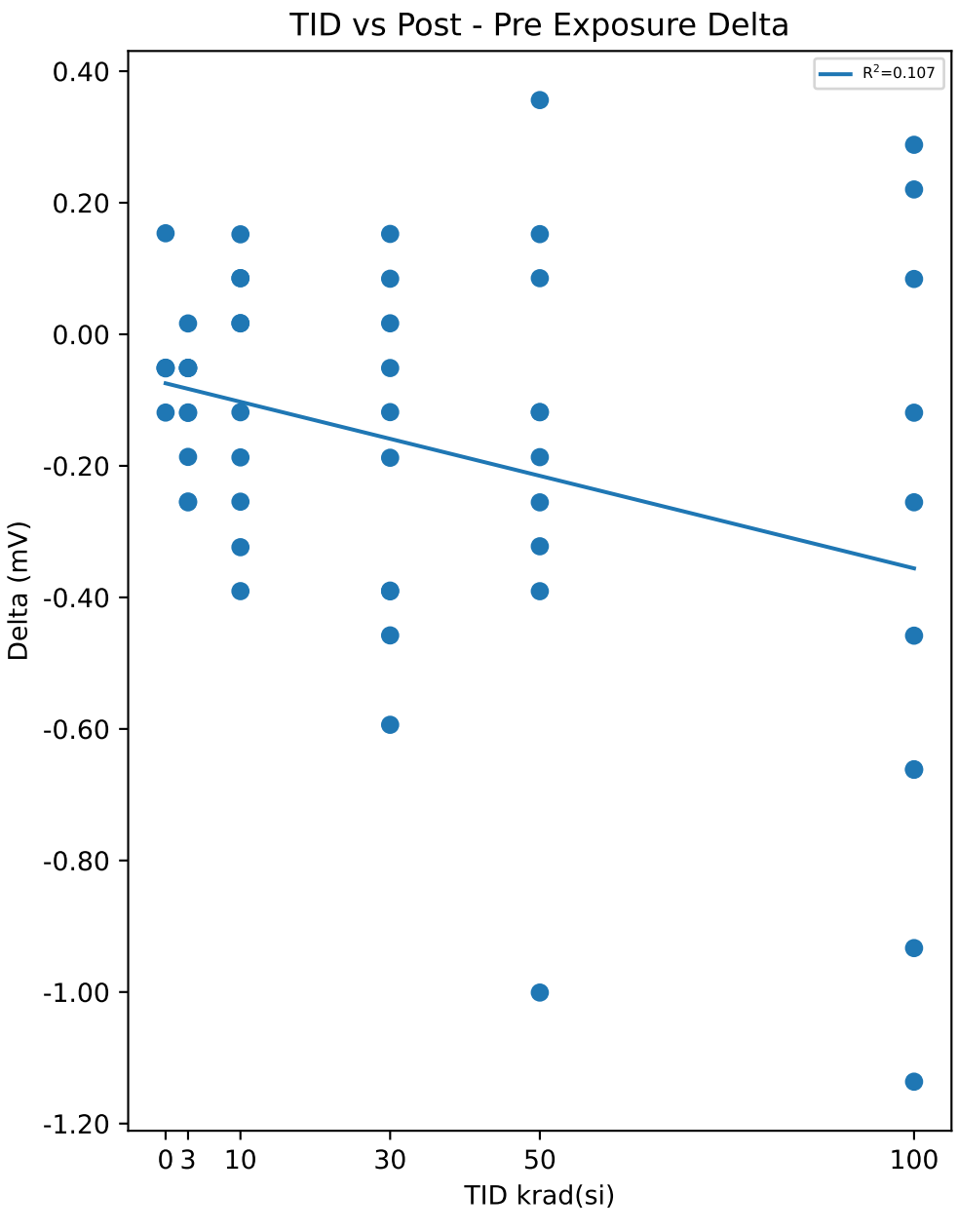
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	599.68	600.97	1.2886
2	3	Biased	601.25	601.86	0.6086
3	3	Biased	601.72	603.01	1.2868
4	3	Biased	600.43	601.11	0.6771
5	3	Biased	600.57	601.04	0.4733
6	3	Unbiased	600.77	601.99	1.2198
7	3	Unbiased	600.64	601.11	0.4734
8	3	Unbiased	600.43	601.18	0.745
9	3	Unbiased	600.5	601.86	1.3558
10	3	Unbiased	599.48	600.23	0.7459
11	10	Biased	600.43	601.25	0.8128
12	10	Biased	599.35	600.02	0.6781
13	10	Biased	600.3	601.04	0.7451
14	10	Biased	600.77	602.4	1.627
15	10	Biased	600.5	601.72	1.2201
16	10	Unbiased	599.28	600.7	1.4247
17	10	Unbiased	600.43	601.52	1.0843
18	10	Unbiased	601.65	602.33	0.6761
19	10	Unbiased	599.48	600.57	1.0852
20	10	Unbiased	599.35	599.96	0.6103
21	30	Biased	599.82	600.36	0.542
22	30	Biased	600.23	601.52	1.2881
23	30	Biased	601.65	603.01	1.3547
24	30	Biased	600.36	601.45	1.0844
25	30	Biased	601.18	601.92	0.7444
26	30	Unbiased	599.48	600.43	0.9495
27	30	Unbiased	599.68	599.62	-0.0688
28	30	Unbiased	600.84	601.72	0.8805
29	30	Unbiased	600.77	601.86	1.0841
30	30	Unbiased	599.68	599.96	0.2706
31	50	Biased	599.82	601.11	1.2885
32	50	Biased	601.32	602.67	1.355
33	50	Biased	600.02	601.04	1.0168
34	50	Biased	600.23	601.11	0.8809
35	50	Biased	600.09	600.77	0.6775
36	50	Unbiased	600.36	601.58	1.2201
37	50	Unbiased	599.48	600.09	0.6101
38	50	Unbiased	600.16	601.58	1.4239
39	50	Unbiased	600.7	601.65	0.9484
40	50	Unbiased	600.64	601.72	1.0843
41	100	Biased	599.75	600.5	0.7457
42	100	Biased	599.68	600.02	0.3384
43	100	Biased	600.98	602.53	1.559
44	100	Biased	600.36	601.92	1.5595
45	100	Biased	600.23	601.04	0.813
46	100	Unbiased	600.91	602.67	1.7626
47	100	Unbiased	600.36	600.5	0.1342
48	100	Unbiased	599.89	601.31	1.4242
49	100	Unbiased	599.75	600.77	1.0172
50	100	Unbiased	600.36	600.84	0.4736
51	0	Correlation	600.64	601.45	0.8128
52	0	Correlation	601.79	603.15	1.3546
53	0	Correlation	600.43	601.65	1.2201
54	0	Correlation	600.23	601.45	1.2203
55	0	Correlation	599.55	600.16	0.6101

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	599.55	600.53	601.79	0.81601	600.16	601.57	603.15	1.0617	0.6101	1.0436	1.3546	0.31634
3	599.48	600.55	601.72	0.65314	600.23	601.44	603.01	0.76369	0.4733	0.88743	1.3558	0.35831
10	599.28	600.15	601.65	0.77877	599.96	601.15	602.4	0.86098	0.6103	0.99637	1.627	0.34906
30	599.48	600.37	601.65	0.72559	599.62	601.18	603.01	1.0545	-0.0688	0.81295	1.3547	0.45208
50	599.48	600.28	601.32	0.51115	600.09	601.33	602.67	0.68399	0.6101	1.0506	1.4239	0.27731
100	599.68	600.23	600.98	0.46407	600.02	601.21	602.67	0.89369	0.1342	0.98274	1.7626	0.57236

Device Test: 13.17; VTH_SENSE





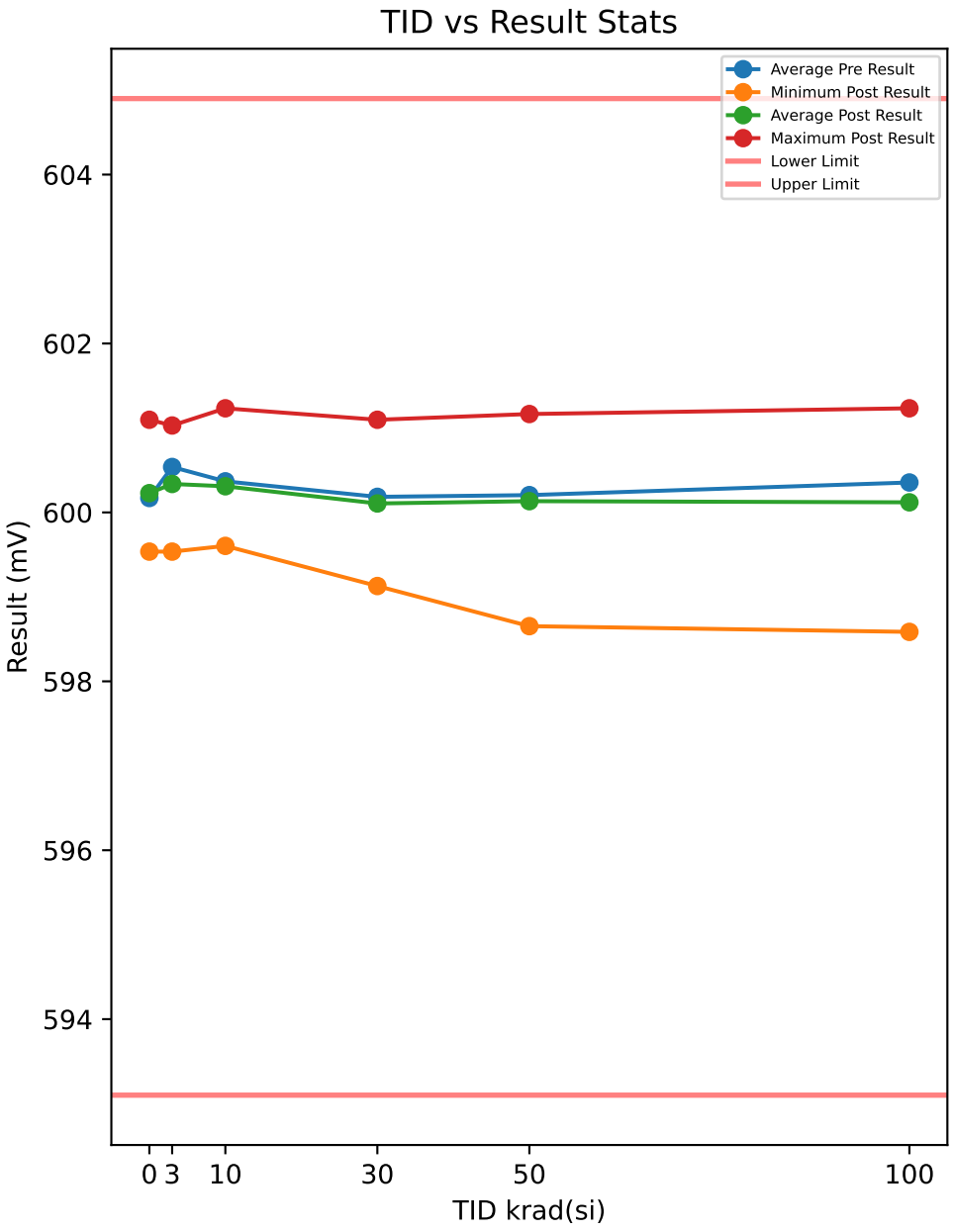
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

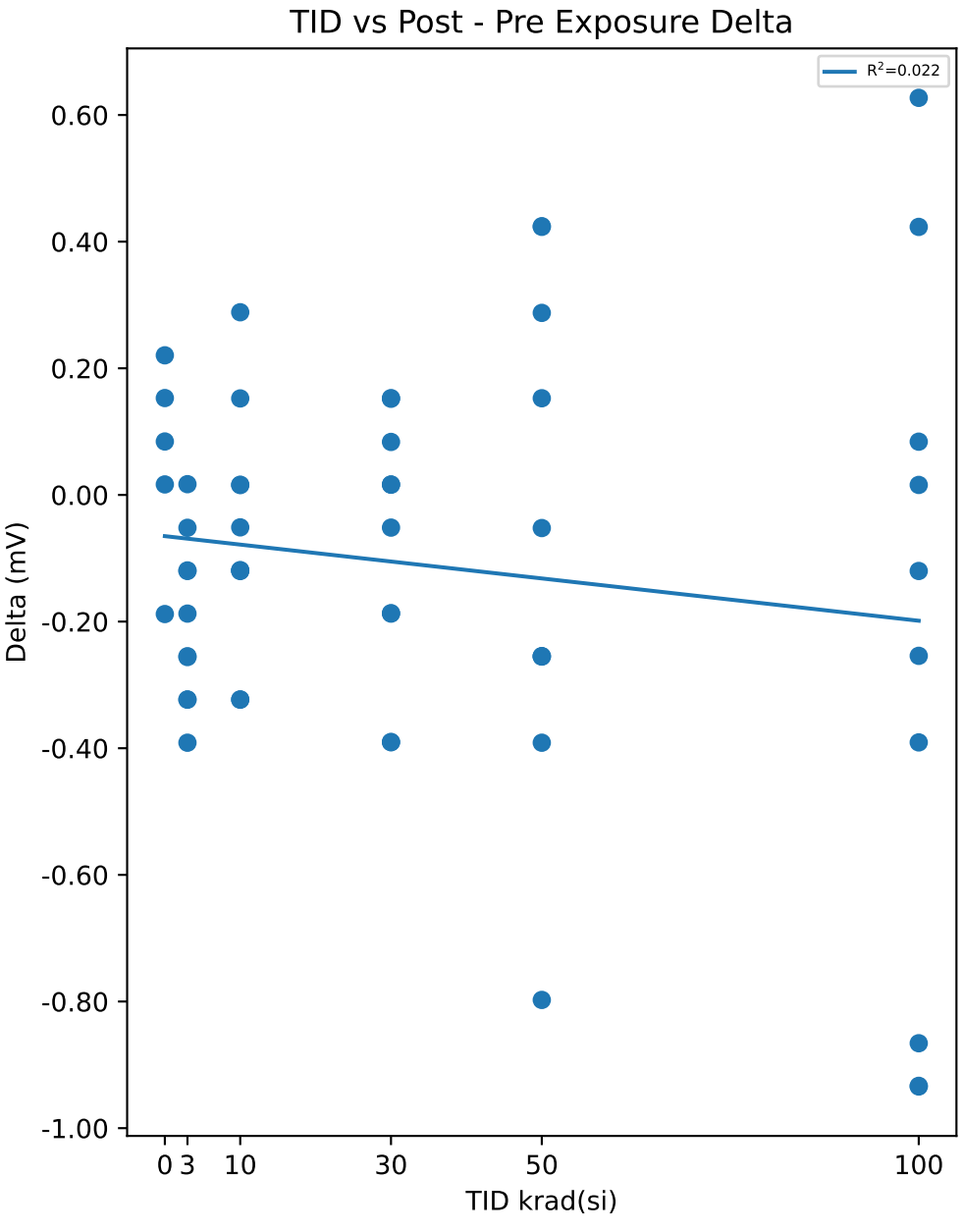
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	599.38	599.2	-0.1864
2	3	Biased	600.27	600.28	0.0165
3	3	Biased	600.74	600.49	-0.2555
4	3	Biased	600.4	600.35	-0.0515
5	3	Biased	599.93	599.88	-0.0512
6	3	Unbiased	600.06	600.01	-0.0513
7	3	Unbiased	599.72	599.67	-0.0509
8	3	Unbiased	599.65	599.54	-0.1188
9	3	Unbiased	600.47	600.35	-0.1195
10	3	Unbiased	599.31	599.06	-0.2542
11	10	Biased	599.59	599.33	-0.2545
12	10	Biased	599.79	599.4	-0.3905
13	10	Biased	600.54	600.69	0.152
14	10	Biased	600.4	600.21	-0.1872
15	10	Biased	600.06	600.08	0.0166
16	10	Unbiased	599.18	599.26	0.0853
17	10	Unbiased	599.59	599.6	0.017
18	10	Unbiased	601.08	600.76	-0.3237
19	10	Unbiased	599.11	599.2	0.0853
20	10	Unbiased	599.38	599.26	-0.1185
21	30	Biased	599.25	598.79	-0.4578
22	30	Biased	600.06	600.15	0.0845
23	30	Biased	600.74	600.55	-0.1877
24	30	Biased	599.99	600.01	0.0167
25	30	Biased	600.06	600.01	-0.0513
26	30	Unbiased	599.11	598.99	-0.1183
27	30	Unbiased	598.98	598.59	-0.3897
28	30	Unbiased	600.13	599.74	-0.3908
29	30	Unbiased	599.86	600.01	0.1526
30	30	Unbiased	599.38	598.79	-0.5937
31	50	Biased	599.04	598.92	-0.1182
32	50	Biased	600.74	600.49	-0.2555
33	50	Biased	599.31	599.2	-0.1185
34	50	Biased	599.93	599.54	-0.3906
35	50	Biased	599.79	599.6	-0.1868
36	50	Unbiased	600.27	600.42	0.1523
37	50	Unbiased	599.11	598.11	-1.0008
38	50	Unbiased	599.18	599.26	0.0853
39	50	Unbiased	599.52	599.2	-0.3223
40	50	Unbiased	599.99	600.35	0.3561
41	100	Biased	599.93	599.26	-0.6621
42	100	Biased	598.84	597.7	-1.1363
43	100	Biased	600.2	600.08	-0.1192
44	100	Biased	600.67	600.42	-0.2554
45	100	Biased	598.98	598.31	-0.6613
46	100	Unbiased	600.2	600.42	0.2202
47	100	Unbiased	599.72	599.26	-0.4582
48	100	Unbiased	600.13	600.42	0.2881
49	100	Unbiased	600.47	600.55	0.0841
50	100	Unbiased	599.52	598.59	-0.9332
51	0	Correlation	600.67	600.62	-0.0518
52	0	Correlation	599.52	599.47	-0.0508
53	0	Correlation	599.86	599.74	-0.119
54	0	Correlation	599.79	599.74	-0.0511
55	0	Correlation	598.77	598.92	0.1536

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	598.77	599.72	600.67	0.68451	598.92	599.7	600.62	0.61393	-0.119	-0.02382	0.1536	0.10343
3	599.31	599.99	600.74	0.47828	599.06	599.88	600.49	0.50439	-0.2555	-0.11228	0.0165	0.092938
10	599.11	599.87	601.08	0.64039	599.2	599.78	600.76	0.60649	-0.3905	-0.09182	0.152	0.19004
30	598.98	599.76	600.74	0.55683	598.59	599.56	600.55	0.70195	-0.5937	-0.19355	0.1526	0.25267
50	599.04	599.69	600.74	0.5559	598.11	599.51	600.49	0.74924	-1.0008	-0.1799	0.3561	0.36816
100	598.84	599.87	600.67	0.60553	597.7	599.5	600.55	1.0306	-1.1363	-0.36333	0.2881	0.48826

Device Test: 13.18; VTH_SENSE





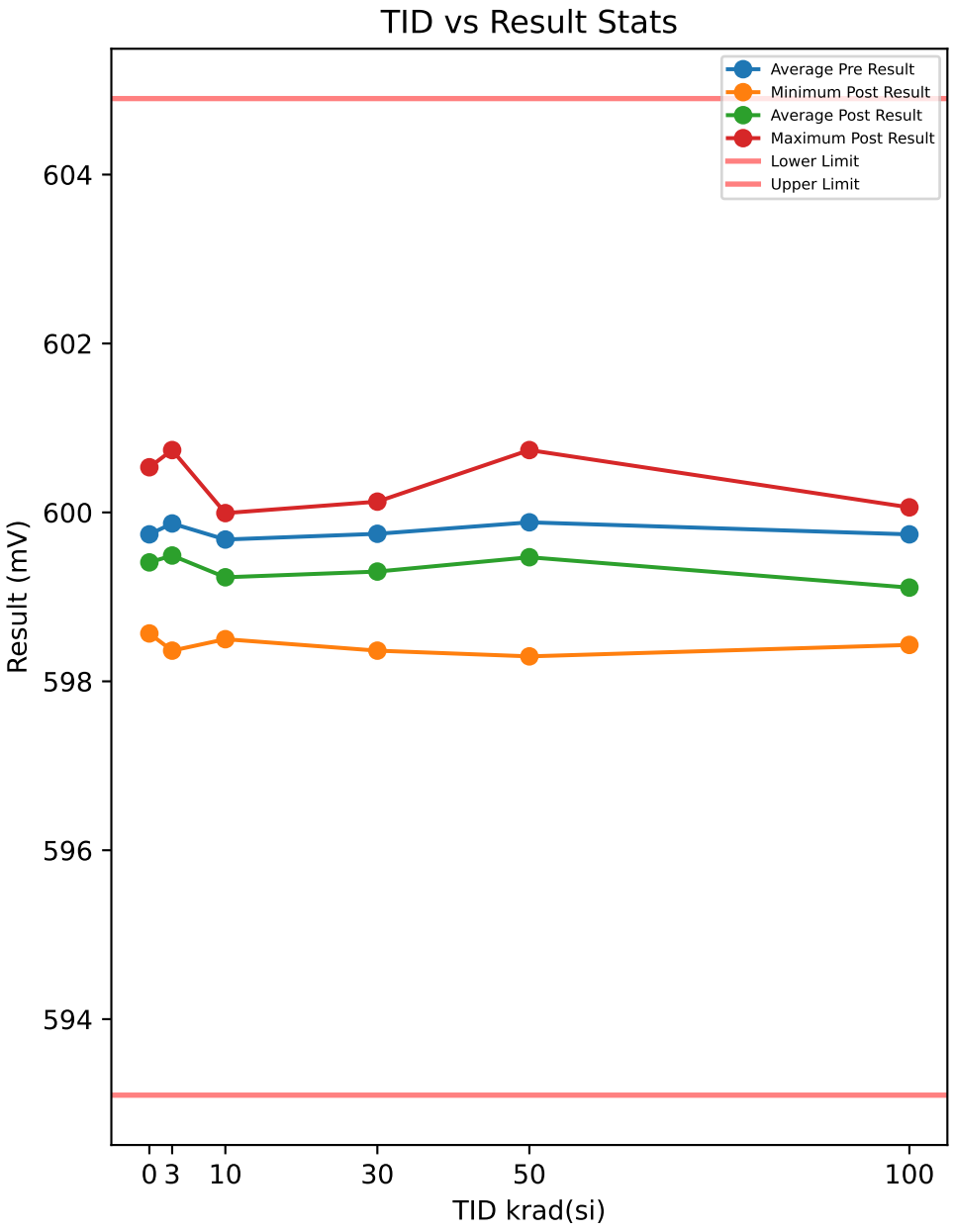
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

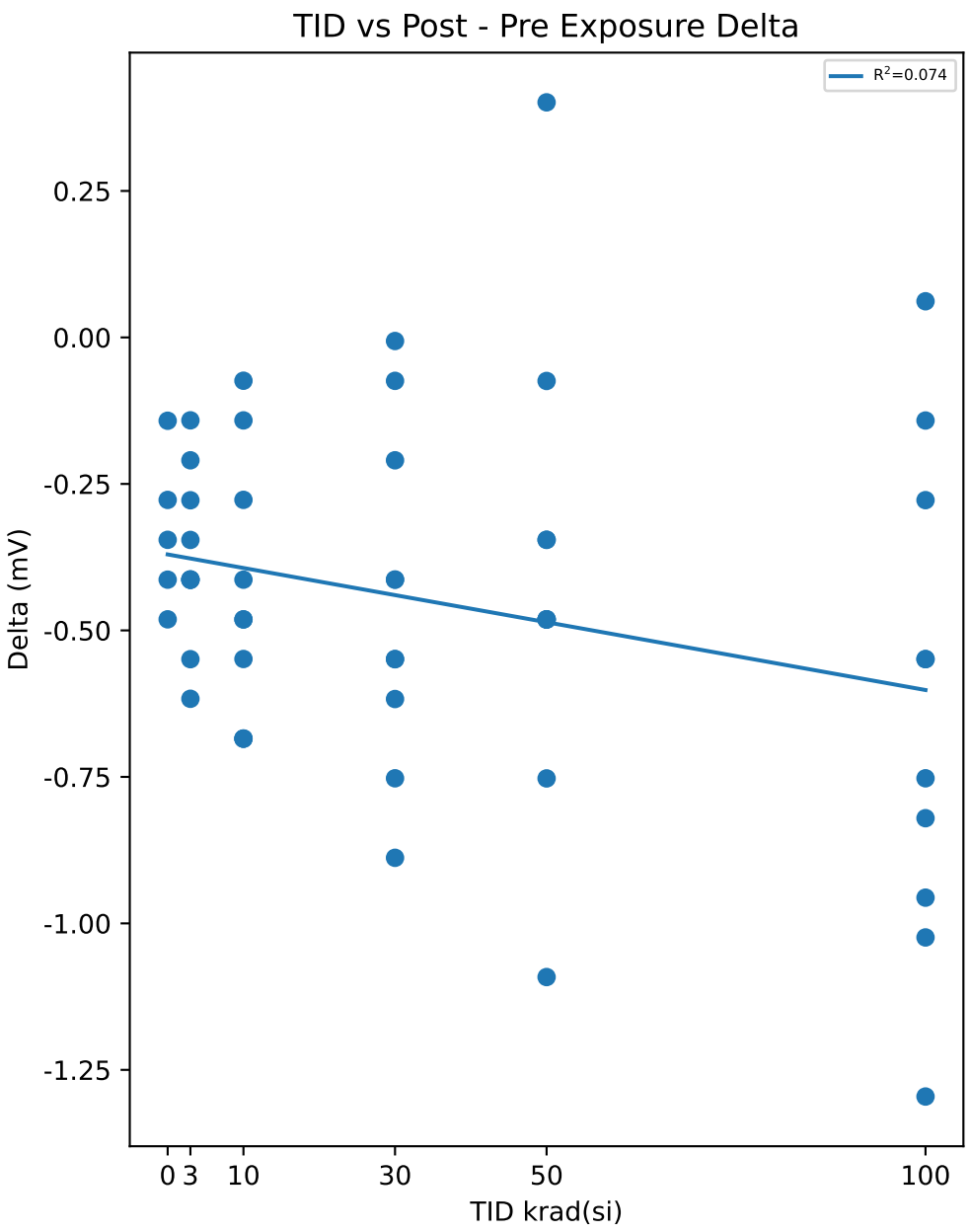
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	599.65	599.67	0.017
2	3	Biased	600.81	600.42	-0.3913
3	3	Biased	601.29	601.03	-0.256
4	3	Biased	600.81	600.76	-0.0519
5	3	Biased	600.54	600.35	-0.1874
6	3	Unbiased	600.67	600.35	-0.3233
7	3	Unbiased	600.4	600.08	-0.323
8	3	Unbiased	600.27	600.15	-0.1192
9	3	Unbiased	601.15	601.03	-0.1201
10	3	Unbiased	599.79	599.54	-0.2547
11	10	Biased	600.13	600.01	-0.1192
12	10	Biased	600.2	599.88	-0.3229
13	10	Biased	601.08	601.1	0.0157
14	10	Biased	600.74	600.76	0.016
15	10	Biased	600.81	600.49	-0.3234
16	10	Unbiased	599.59	599.88	0.2885
17	10	Unbiased	600.06	600.21	0.1524
18	10	Unbiased	601.35	601.23	-0.1202
19	10	Unbiased	599.99	599.94	-0.0512
20	10	Unbiased	599.72	599.6	-0.1188
21	30	Biased	599.79	599.4	-0.3905
22	30	Biased	600.61	600.76	0.1519
23	30	Biased	601.01	601.1	0.0837
24	30	Biased	600.54	600.55	0.0162
25	30	Biased	600.54	600.49	-0.0516
26	30	Unbiased	599.45	599.6	0.1529
27	30	Unbiased	599.52	599.13	-0.3902
28	30	Unbiased	600.47	600.28	-0.1874
29	30	Unbiased	600.27	600.28	0.0165
30	30	Unbiased	599.65	599.47	-0.1867
31	50	Biased	599.59	599.33	-0.2545
32	50	Biased	601.22	601.16	-0.0523
33	50	Biased	599.99	599.74	-0.2549
34	50	Biased	600.74	600.35	-0.3913
35	50	Biased	600.47	600.21	-0.2552
36	50	Unbiased	600.74	601.03	0.2875
37	50	Unbiased	599.45	598.65	-0.7975
38	50	Unbiased	599.52	599.94	0.4244
39	50	Unbiased	599.72	599.88	0.1527
40	50	Unbiased	600.61	601.03	0.4234
41	100	Biased	600.61	599.67	-0.9342
42	100	Biased	599.52	598.59	-0.9332
43	100	Biased	600.54	600.62	0.0841
44	100	Biased	601.08	600.96	-0.1201
45	100	Biased	599.18	598.92	-0.2541
46	100	Unbiased	600.61	601.23	0.6271
47	100	Unbiased	600.2	599.81	-0.3908
48	100	Unbiased	600.74	601.16	0.4233
49	100	Unbiased	601.01	601.03	0.0158
50	100	Unbiased	600.06	599.2	-0.8659
51	0	Correlation	601.29	601.1	-0.1881
52	0	Correlation	599.86	600.08	0.2205
53	0	Correlation	600.27	600.35	0.0844
54	0	Correlation	600.06	600.08	0.0166
55	0	Correlation	599.38	599.54	0.153

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	599.38	600.17	601.29	0.70379	599.54	600.23	601.1	0.56875	-0.1881	0.05728	0.2205	0.15685
3	599.65	600.54	601.29	0.53016	599.54	600.34	601.03	0.50878	-0.3913	-0.20099	0.017	0.13129
10	599.59	600.37	601.35	0.59251	599.6	600.31	601.23	0.55905	-0.3234	-0.05831	0.2885	0.19067
30	599.45	600.18	601.01	0.53954	599.13	600.11	601.1	0.66064	-0.3905	-0.07852	0.1529	0.20268
50	599.45	600.2	601.22	0.62636	598.65	600.13	601.16	0.80371	-0.7975	-0.07177	0.4244	0.39449
100	599.18	600.35	601.08	0.62027	598.59	600.12	601.23	1.0029	-0.9342	-0.2348	0.6271	0.55313

Device Test: 13.19; VTH_SENSE





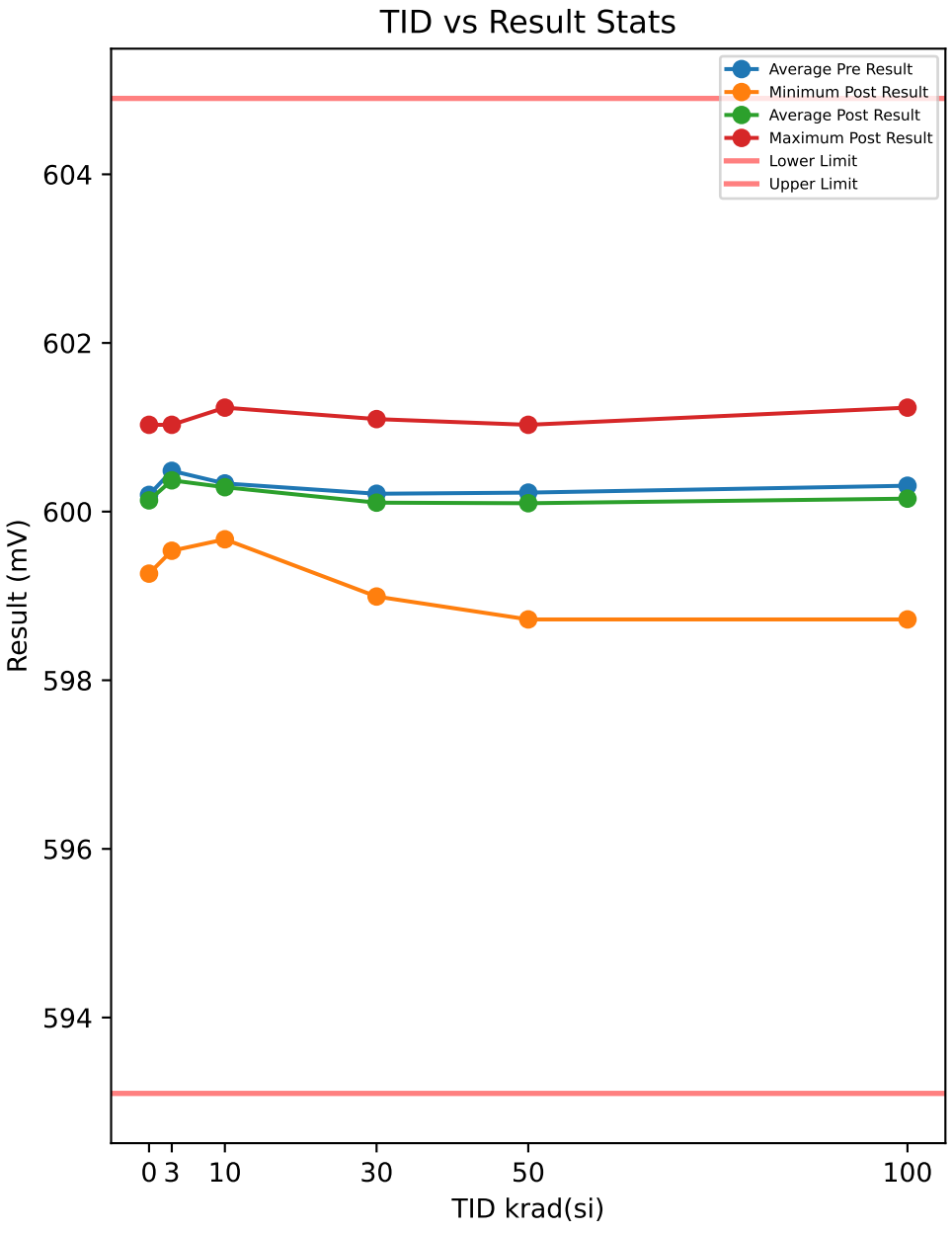
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

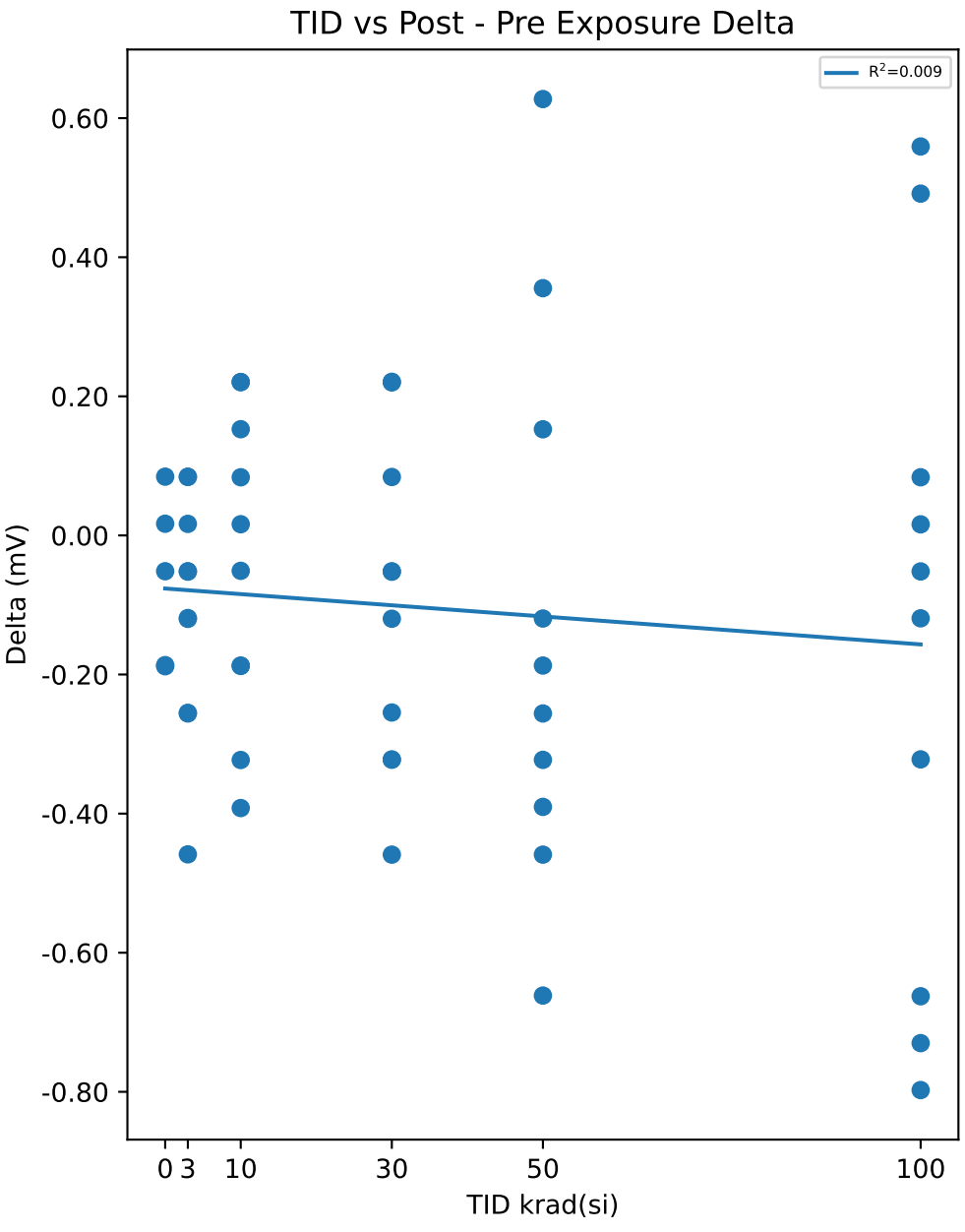
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	598.78	598.36	-0.4129
2	3	Biased	599.86	599.65	-0.2097
3	3	Biased	601.15	600.74	-0.4138
4	3	Biased	599.59	599.18	-0.4133
5	3	Biased	600.13	599.58	-0.5491
6	3	Unbiased	600.61	600.33	-0.2779
7	3	Unbiased	600.27	599.92	-0.3456
8	3	Unbiased	598.91	598.77	-0.1415
9	3	Unbiased	600.13	599.72	-0.4134
10	3	Unbiased	599.25	598.63	-0.6167
11	10	Biased	599.59	598.91	-0.6846
12	10	Biased	599.39	598.84	-0.5488
13	10	Biased	600.13	599.72	-0.4134
14	10	Biased	600.34	599.65	-0.6848
15	10	Biased	600.07	599.58	-0.4812
16	10	Unbiased	598.78	598.5	-0.2772
17	10	Unbiased	599.59	599.52	-0.0739
18	10	Unbiased	600.47	599.99	-0.4813
19	10	Unbiased	599.12	598.97	-0.1416
20	10	Unbiased	599.32	598.63	-0.6846
21	30	Biased	599.25	598.5	-0.7524
22	30	Biased	599.73	599.52	-0.2097
23	30	Biased	600.47	599.92	-0.5492
24	30	Biased	599.66	599.65	-0.0061
25	30	Biased	600.27	599.86	-0.4135
26	30	Unbiased	599.12	598.7	-0.4131
27	30	Unbiased	599.12	598.57	-0.5488
28	30	Unbiased	600.41	599.79	-0.6171
29	30	Unbiased	600.2	600.13	-0.0741
30	30	Unbiased	599.25	598.36	-0.8881
31	50	Biased	599.59	599.25	-0.3454
32	50	Biased	601.22	600.74	-0.4816
33	50	Biased	599.18	598.7	-0.481
34	50	Biased	600.07	599.31	-0.7526
35	50	Biased	600	599.52	-0.4812
36	50	Unbiased	599.18	599.58	0.4012
37	50	Unbiased	599.39	598.3	-1.0916
38	50	Unbiased	599.52	599.18	-0.3454
39	50	Unbiased	599.86	599.38	-0.4812
40	50	Unbiased	600.81	600.74	-0.0743
41	100	Biased	599.93	598.91	-1.024
42	100	Biased	599.86	598.57	-1.2955
43	100	Biased	600.34	600.06	-0.2777
44	100	Biased	599.86	599.31	-0.549
45	100	Biased	599.18	598.43	-0.7524
46	100	Unbiased	599.66	599.72	0.0617
47	100	Unbiased	599.86	599.04	-0.8205
48	100	Unbiased	599.52	599.38	-0.1418
49	100	Unbiased	599.66	599.11	-0.549
50	100	Unbiased	599.52	598.57	-0.9561
51	0	Correlation	600.13	599.72	-0.4134
52	0	Correlation	600.68	600.53	-0.1422
53	0	Correlation	599.52	599.18	-0.3454
54	0	Correlation	599.52	599.04	-0.4811
55	0	Correlation	598.84	598.57	-0.2773

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	598.84	599.74	600.68	0.69458	598.57	599.41	600.53	0.75198	-0.4811	-0.33188	-0.1422	0.13043
3	598.78	599.87	601.15	0.7501	598.36	599.49	600.74	0.75712	-0.6167	-0.37939	-0.1415	0.14398
10	598.78	599.68	600.47	0.55612	598.5	599.23	599.99	0.51857	-0.6848	-0.44714	-0.0739	0.22226
30	599.12	599.75	600.47	0.5515	598.36	599.3	600.13	0.68369	-0.8881	-0.44721	-0.0061	0.28472
50	599.18	599.88	601.22	0.67808	598.3	599.47	600.74	0.77241	-1.0916	-0.41331	0.4012	0.39175
100	599.18	599.74	600.34	0.30824	598.43	599.11	600.06	0.52563	-1.2955	-0.63043	0.0617	0.42292

Device Test: 13.2; VTH_SENSE





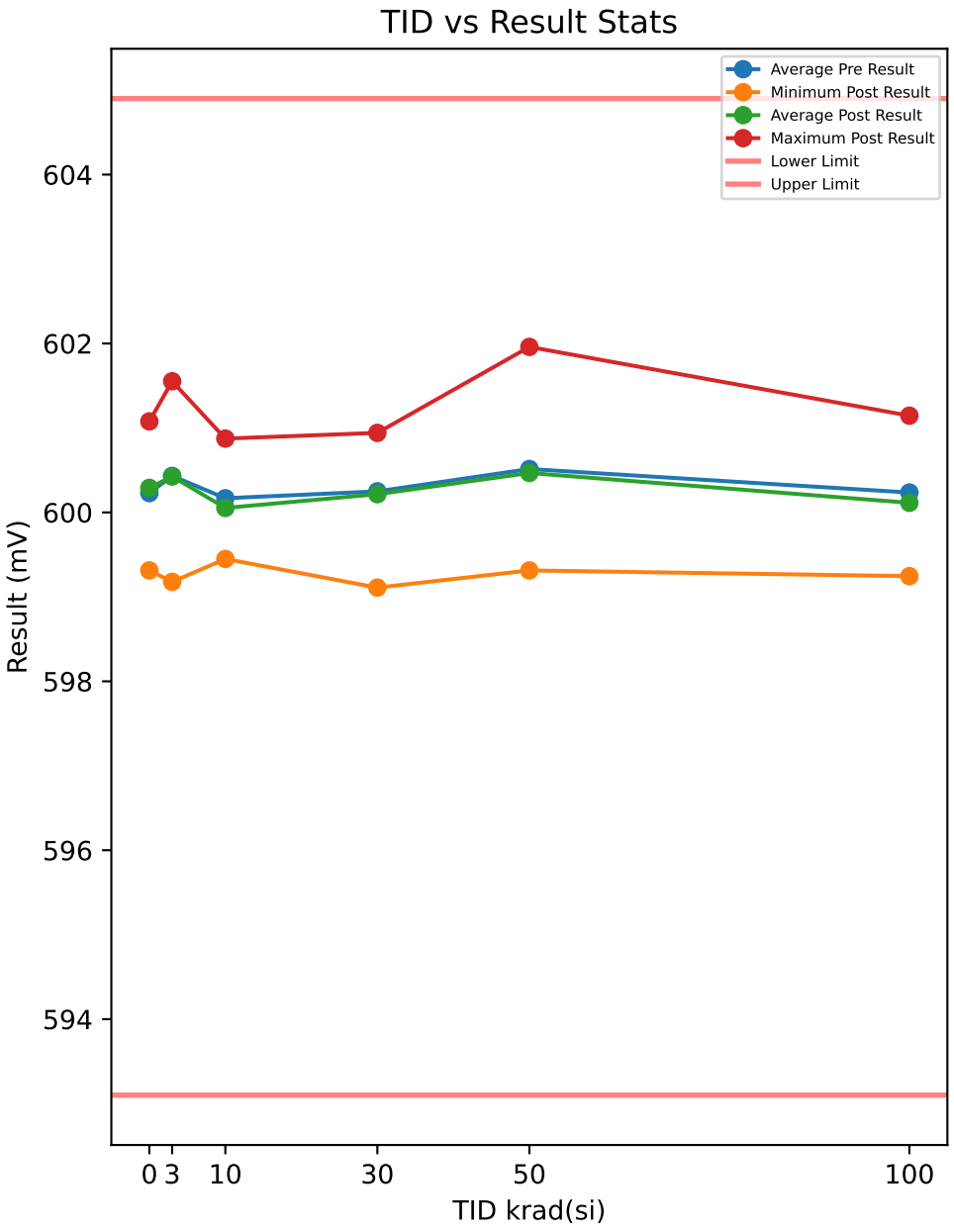
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

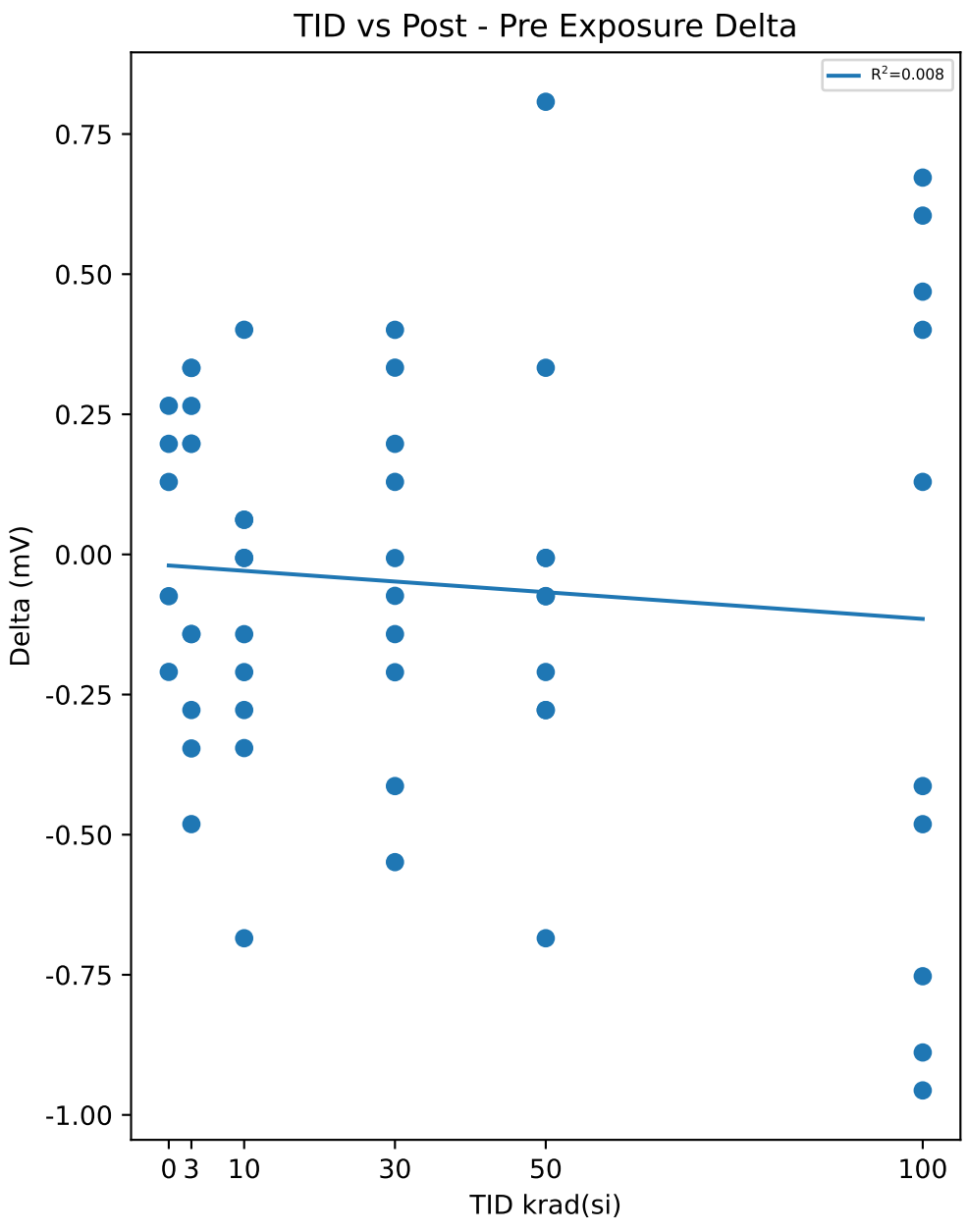
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.06	599.6	-0.4586
2	3	Biased	600.54	600.62	0.0841
3	3	Biased	601.29	601.03	-0.256
4	3	Biased	600.95	600.83	-0.12
5	3	Biased	600.4	600.49	0.0843
6	3	Unbiased	600.4	600.35	-0.0515
7	3	Unbiased	600.33	600.08	-0.2551
8	3	Unbiased	600.2	600.21	0.0166
9	3	Unbiased	601.01	600.96	-0.0521
10	3	Unbiased	599.65	599.54	-0.1188
11	10	Biased	600.2	599.88	-0.3229
12	10	Biased	600.13	599.94	-0.1871
13	10	Biased	601.08	601.16	0.0836
14	10	Biased	600.74	600.55	-0.1877
15	10	Biased	600.61	600.62	0.0161
16	10	Unbiased	599.59	599.81	0.2206
17	10	Unbiased	599.93	600.15	0.2204
18	10	Unbiased	601.62	601.23	-0.392
19	10	Unbiased	599.72	599.88	0.1527
20	10	Unbiased	599.72	599.67	-0.0509
21	30	Biased	599.65	599.4	-0.2546
22	30	Biased	600.81	600.69	-0.1198
23	30	Biased	601.15	601.1	-0.0522
24	30	Biased	600.61	600.69	0.084
25	30	Biased	600.47	600.42	-0.0516
26	30	Unbiased	599.38	599.6	0.2209
27	30	Unbiased	599.31	598.99	-0.3221
28	30	Unbiased	600.61	600.15	-0.459
29	30	Unbiased	600.4	600.62	0.22
30	30	Unbiased	599.72	599.4	-0.3225
31	50	Biased	599.72	599.33	-0.3903
32	50	Biased	601.29	601.03	-0.256
33	50	Biased	600.06	599.88	-0.1871
34	50	Biased	600.54	600.42	-0.1195
35	50	Biased	600.61	600.15	-0.459
36	50	Unbiased	600.67	601.03	0.3555
37	50	Unbiased	599.38	598.72	-0.6616
38	50	Unbiased	599.79	599.94	0.1526
39	50	Unbiased	599.93	599.6	-0.3227
40	50	Unbiased	600.27	600.89	0.6274
41	100	Biased	600.54	599.88	-0.6626
42	100	Biased	599.52	598.72	-0.7975
43	100	Biased	600.61	600.55	-0.0518
44	100	Biased	601.08	601.16	0.0836
45	100	Biased	599.25	598.92	-0.322
46	100	Unbiased	600.54	601.03	0.4914
47	100	Unbiased	600.06	599.94	-0.1192
48	100	Unbiased	600.67	601.23	0.5592
49	100	Unbiased	600.88	600.89	0.0159
50	100	Unbiased	599.93	599.2	-0.73
51	0	Correlation	601.22	601.03	-0.1881
52	0	Correlation	599.86	599.88	0.0168
53	0	Correlation	600.33	600.28	-0.0515
54	0	Correlation	600.13	600.21	0.0845
55	0	Correlation	599.45	599.26	-0.1865

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	599.45	600.2	601.22	0.65873	599.26	600.13	601.03	0.6429	-0.1881	-0.06496	0.0845	0.12159
3	599.65	600.48	601.29	0.48551	599.54	600.37	601.03	0.52291	-0.4586	-0.11271	0.0843	0.17069
10	599.59	600.33	601.62	0.66647	599.67	600.29	601.23	0.57105	-0.392	-0.04472	0.2206	0.22075
30	599.31	600.21	601.15	0.6404	598.99	600.11	601.1	0.70849	-0.459	-0.10569	0.2209	0.23465
50	599.38	600.23	601.29	0.56136	598.72	600.1	601.03	0.76535	-0.6616	-0.12607	0.6274	0.39498
100	599.25	600.31	601.08	0.59679	598.72	600.15	601.23	0.9581	-0.7975	-0.1533	0.5592	0.47783

Device Test: 13.20; VTH_SENSE





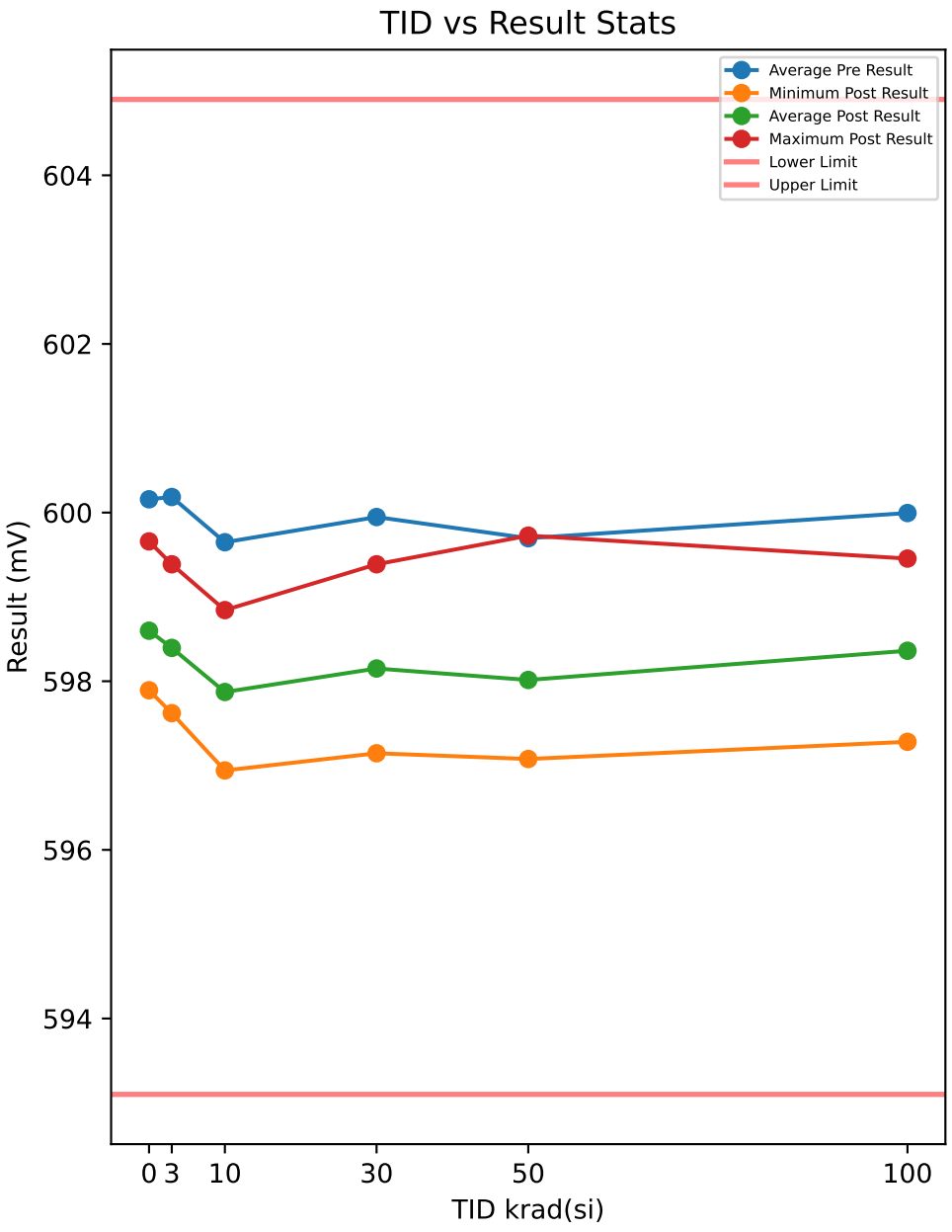
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

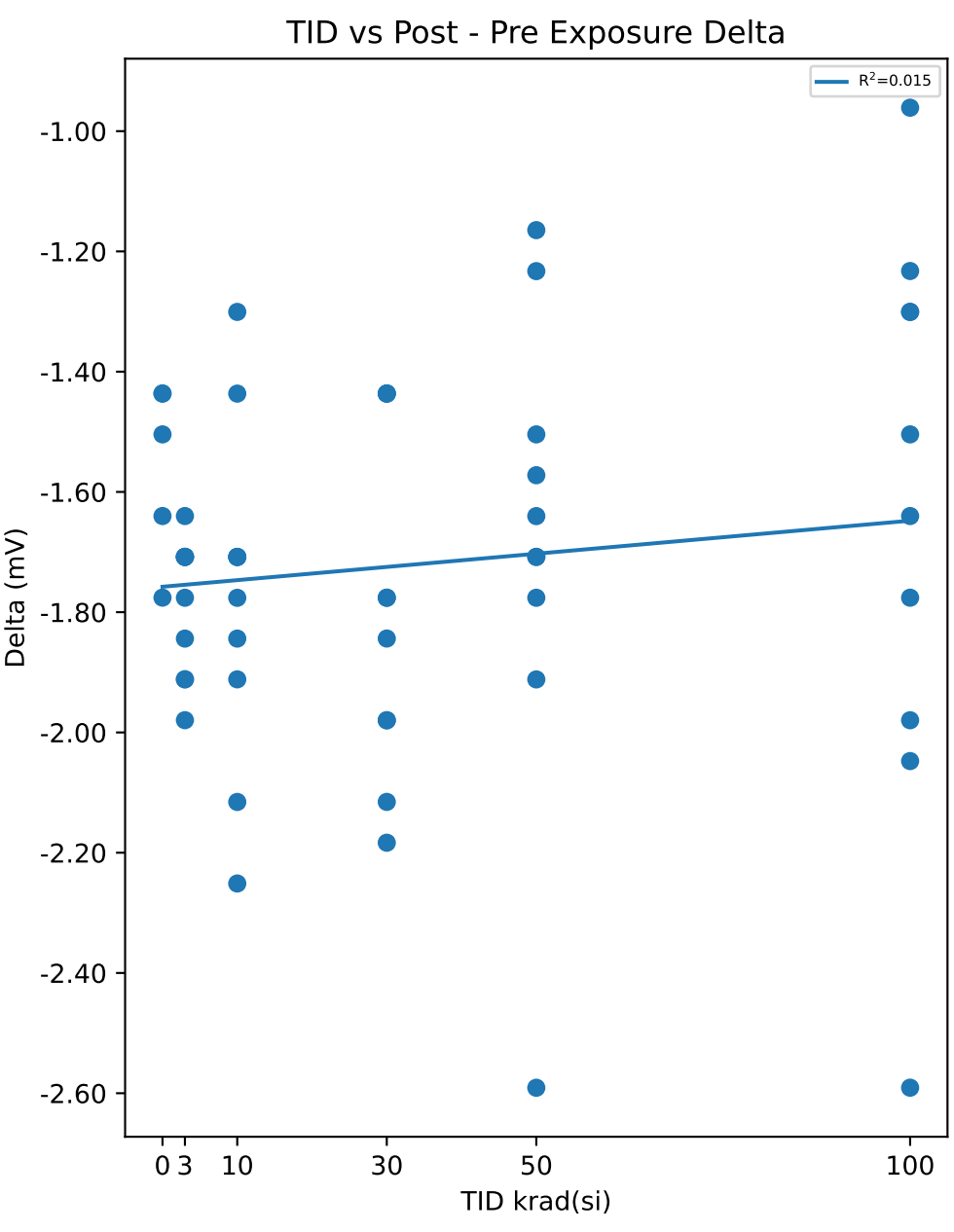
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	599.66	599.18	-0.4812
2	3	Biased	600.54	600.4	-0.1421
3	3	Biased	601.9	601.55	-0.3462
4	3	Biased	600.07	600.26	0.1974
5	3	Biased	600.61	600.87	0.265
6	3	Unbiased	601.15	601.48	0.3326
7	3	Unbiased	600.74	600.6	-0.1421
8	3	Unbiased	599.46	599.65	0.1976
9	3	Unbiased	600.47	600.81	0.3329
10	3	Unbiased	599.73	599.45	-0.2776
11	10	Biased	600.2	599.52	-0.6848
12	10	Biased	599.86	599.58	-0.2776
13	10	Biased	600.47	600.87	0.4008
14	10	Biased	600.74	600.53	-0.21
15	10	Biased	600.54	600.53	-0.0064
16	10	Unbiased	599.39	599.45	0.0619
17	10	Unbiased	600.07	600.06	-0.0062
18	10	Unbiased	600.95	600.81	-0.1423
19	10	Unbiased	599.52	599.58	0.0618
20	10	Unbiased	599.93	599.58	-0.3455
21	30	Biased	599.66	599.11	-0.549
22	30	Biased	600.2	600.33	0.1294
23	30	Biased	600.81	600.67	-0.1422
24	30	Biased	600.34	600.53	0.1973
25	30	Biased	600.54	600.94	0.4007
26	30	Unbiased	599.59	599.52	-0.0739
27	30	Unbiased	599.59	599.92	0.3332
28	30	Unbiased	601.02	600.81	-0.2102
29	30	Unbiased	600.88	600.87	-0.0065
30	30	Unbiased	599.86	599.45	-0.4133
31	50	Biased	600.2	600.2	-0.0063
32	50	Biased	601.7	601.62	-0.0747
33	50	Biased	600.13	599.86	-0.2777
34	50	Biased	600.74	600.67	-0.0743
35	50	Biased	600.41	600.4	-0.0063
36	50	Unbiased	600.13	600.47	0.333
37	50	Unbiased	600	599.31	-0.6848
38	50	Unbiased	600.13	599.92	-0.2098
39	50	Unbiased	600.54	600.26	-0.2778
40	50	Unbiased	601.15	601.96	0.8076
41	100	Biased	600.61	599.72	-0.8886
42	100	Biased	600.2	599.25	-0.9563
43	100	Biased	600.74	601.15	0.4007
44	100	Biased	600.27	600.4	0.1294
45	100	Biased	599.86	599.45	-0.4133
46	100	Unbiased	600.13	600.74	0.6045
47	100	Unbiased	600.41	599.92	-0.4813
48	100	Unbiased	600	600.67	0.6723
49	100	Unbiased	600.07	600.53	0.4688
50	100	Unbiased	600.07	599.31	-0.7526
51	0	Correlation	600.54	600.67	0.1293
52	0	Correlation	601.15	601.08	-0.0745
53	0	Correlation	600	600.2	0.1973
54	0	Correlation	599.93	600.2	0.2652
55	0	Correlation	599.52	599.31	-0.2096

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	599.52	600.23	601.15	0.63061	599.31	600.29	601.08	0.65895	-0.2096	0.06154	0.2652	0.19782
3	599.46	600.43	601.9	0.7451	599.18	600.43	601.55	0.81	-0.4812	-0.00637	0.3329	0.30517
10	599.39	600.17	600.95	0.51224	599.45	600.05	600.87	0.57883	-0.6848	-0.11483	0.4008	0.29178
30	599.59	600.25	601.02	0.55428	599.11	600.22	600.94	0.66795	-0.549	-0.03345	0.4007	0.3088
50	600	600.51	601.7	0.54419	599.31	600.47	601.96	0.79713	-0.6848	-0.04711	0.8076	0.39712
100	599.86	600.24	600.74	0.27758	599.25	600.11	601.15	0.67083	-0.9563	-0.12164	0.6723	0.64459

Device Test: 13.21; VTH_SENSE





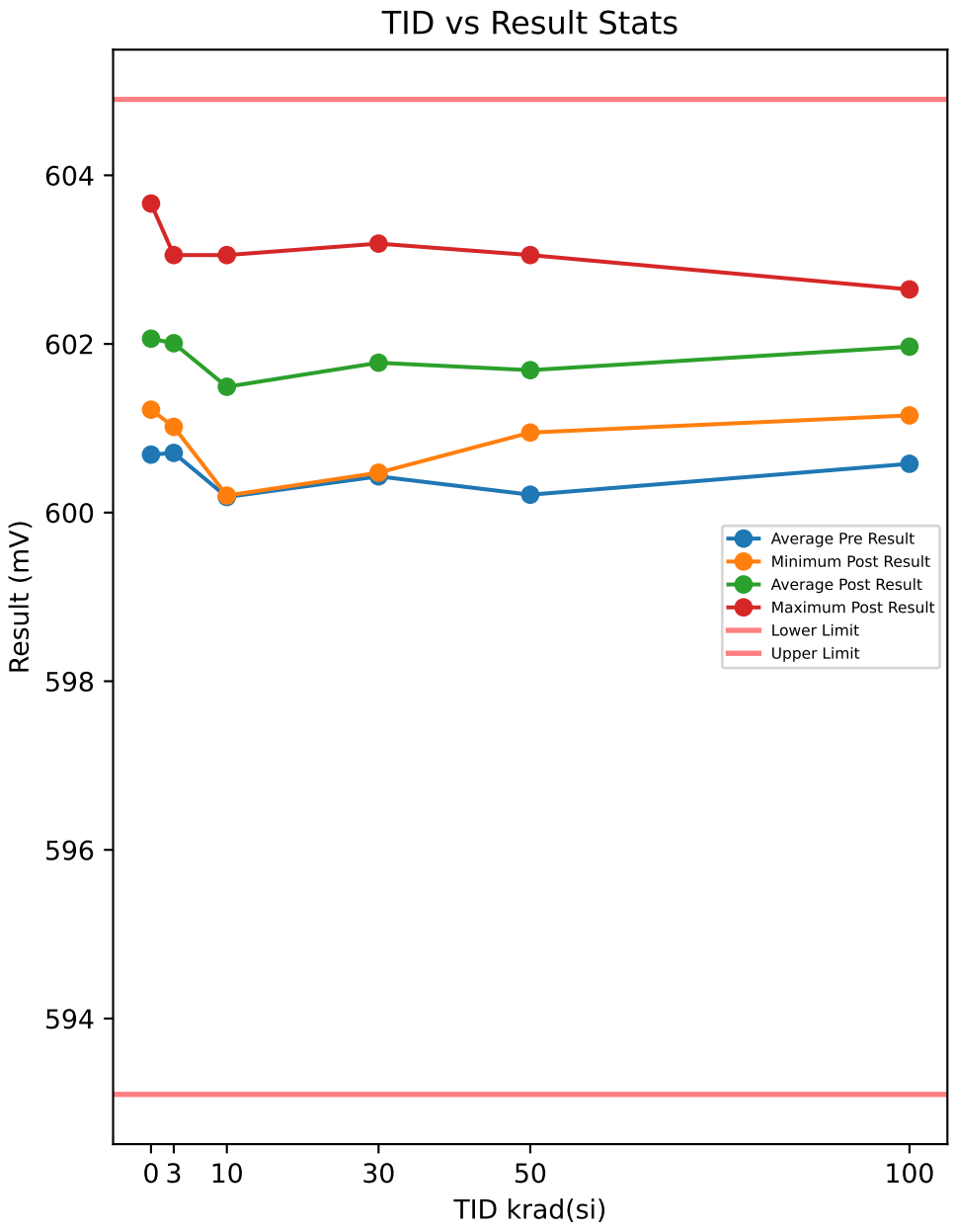
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

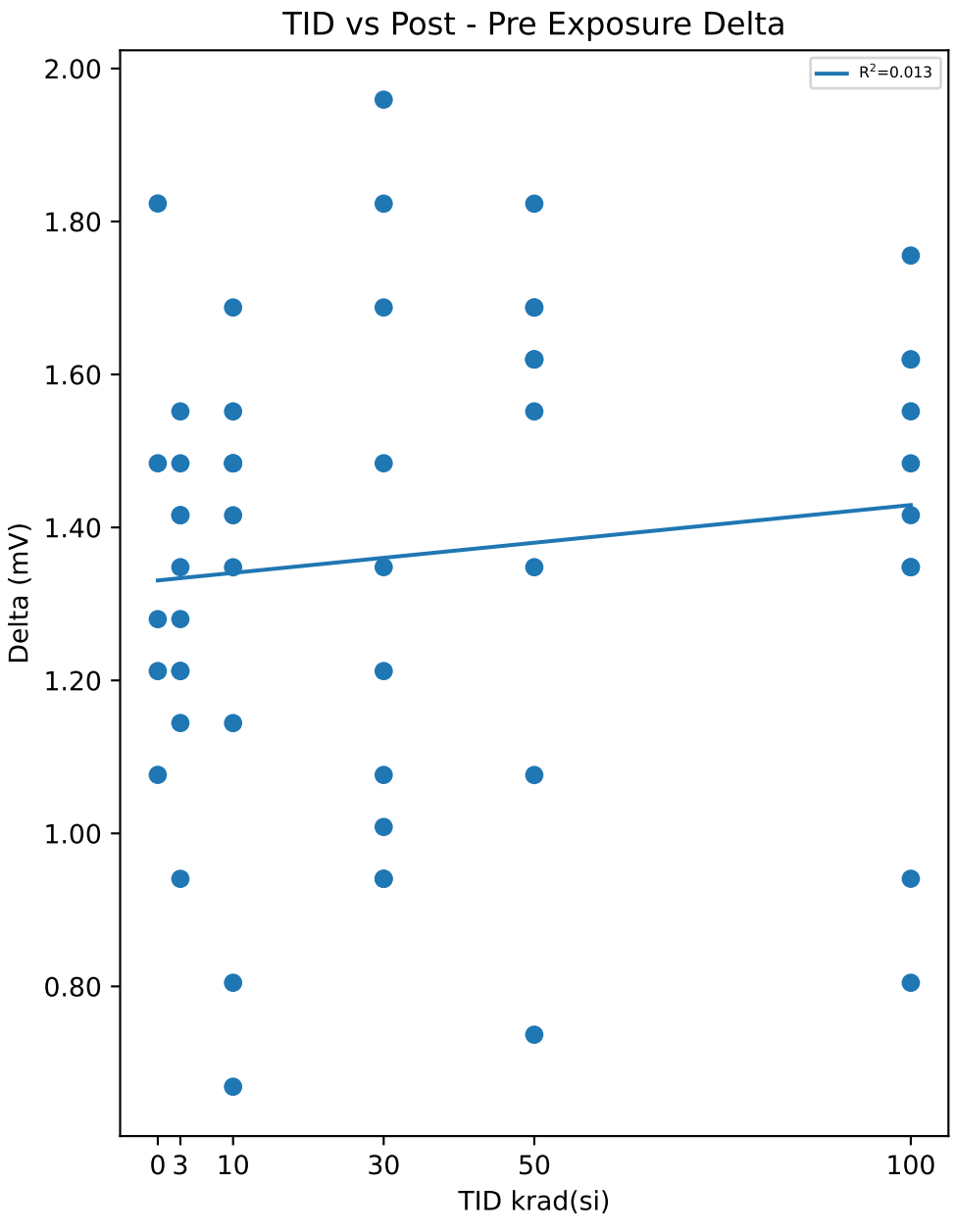
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	599.74	598.03	-1.708
2	3	Biased	600.08	598.1	-1.9796
3	3	Biased	601.09	599.18	-1.9116
4	3	Biased	600.35	598.44	-1.9117
5	3	Biased	600.28	598.64	-1.6401
6	3	Unbiased	600.08	598.37	-1.708
7	3	Unbiased	600.21	598.37	-1.8439
8	3	Unbiased	599.53	597.82	-1.7081
9	3	Unbiased	601.09	599.39	-1.7079
10	3	Unbiased	599.4	597.62	-1.776
11	10	Biased	599.47	597.76	-1.7081
12	10	Biased	598.85	597.15	-1.7082
13	10	Biased	599.6	598.3	-1.3006
14	10	Biased	600.08	598.37	-1.708
15	10	Biased	600.42	598.57	-1.8439
16	10	Unbiased	598.99	597.21	-1.7761
17	10	Unbiased	599.87	597.96	-1.9117
18	10	Unbiased	601.09	598.84	-2.2512
19	10	Unbiased	599.06	597.62	-1.4365
20	10	Unbiased	599.06	596.94	-2.1156
21	30	Biased	599.4	597.42	-1.9797
22	30	Biased	600.21	598.78	-1.4364
23	30	Biased	601.16	599.39	-1.7758
24	30	Biased	599.8	598.37	-1.4364
25	30	Biased	600.48	598.64	-1.8438
26	30	Unbiased	599.19	597.21	-1.9798
27	30	Unbiased	598.92	597.15	-1.7761
28	30	Unbiased	600.48	598.37	-2.1155
29	30	Unbiased	600.14	598.71	-1.4364
30	30	Unbiased	599.67	597.49	-2.1834
31	50	Biased	599.47	597.96	-1.5043
32	50	Biased	600.89	599.18	-1.7079
33	50	Biased	599.53	597.76	-1.776
34	50	Biased	599.74	597.82	-1.9118
35	50	Biased	598.72	597.08	-1.6402
36	50	Unbiased	598.92	597.69	-1.2328
37	50	Unbiased	599.94	597.35	-2.5909
38	50	Unbiased	599.53	597.96	-1.5722
39	50	Unbiased	599.33	597.62	-1.7081
40	50	Unbiased	600.89	599.73	-1.1646
41	100	Biased	600.01	598.23	-1.7759
42	100	Biased	600.35	598.37	-1.9797
43	100	Biased	600.42	599.45	-0.961
44	100	Biased	600.21	598.98	-1.2326
45	100	Biased	599.47	598.16	-1.3006
46	100	Unbiased	600.28	598.64	-1.6401
47	100	Unbiased	599.94	597.89	-2.0476
48	100	Unbiased	600.01	598.5	-1.5043
49	100	Unbiased	599.4	598.1	-1.3006
50	100	Unbiased	599.87	597.28	-2.5908
51	0	Correlation	600.82	599.39	-1.4363
52	0	Correlation	601.43	599.66	-1.7758
53	0	Correlation	599.6	597.96	-1.6401
54	0	Correlation	599.6	598.1	-1.5043
55	0	Correlation	599.33	597.89	-1.4364

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	599.33	600.16	601.43	0.91909	597.89	598.6	599.66	0.85171	-1.7758	-1.5586	-1.4363	0.14719
3	599.4	600.18	601.09	0.5737	597.62	598.4	599.39	0.55929	-1.9796	-1.7895	-1.6401	0.11451
10	598.85	599.65	601.09	0.72363	596.94	597.87	598.84	0.64747	-2.2512	-1.776	-1.3006	0.2827
30	598.92	599.95	601.16	0.68164	597.15	598.15	599.39	0.77682	-2.1834	-1.7963	-1.4364	0.28101
50	598.72	599.7	600.89	0.72376	597.08	598.01	599.73	0.81546	-2.5909	-1.6809	-1.1646	0.39496
100	599.4	599.99	600.42	0.34744	597.28	598.36	599.45	0.59501	-2.5908	-1.6333	-0.961	0.48067

Device Test: 13.22; VTH_SENSE





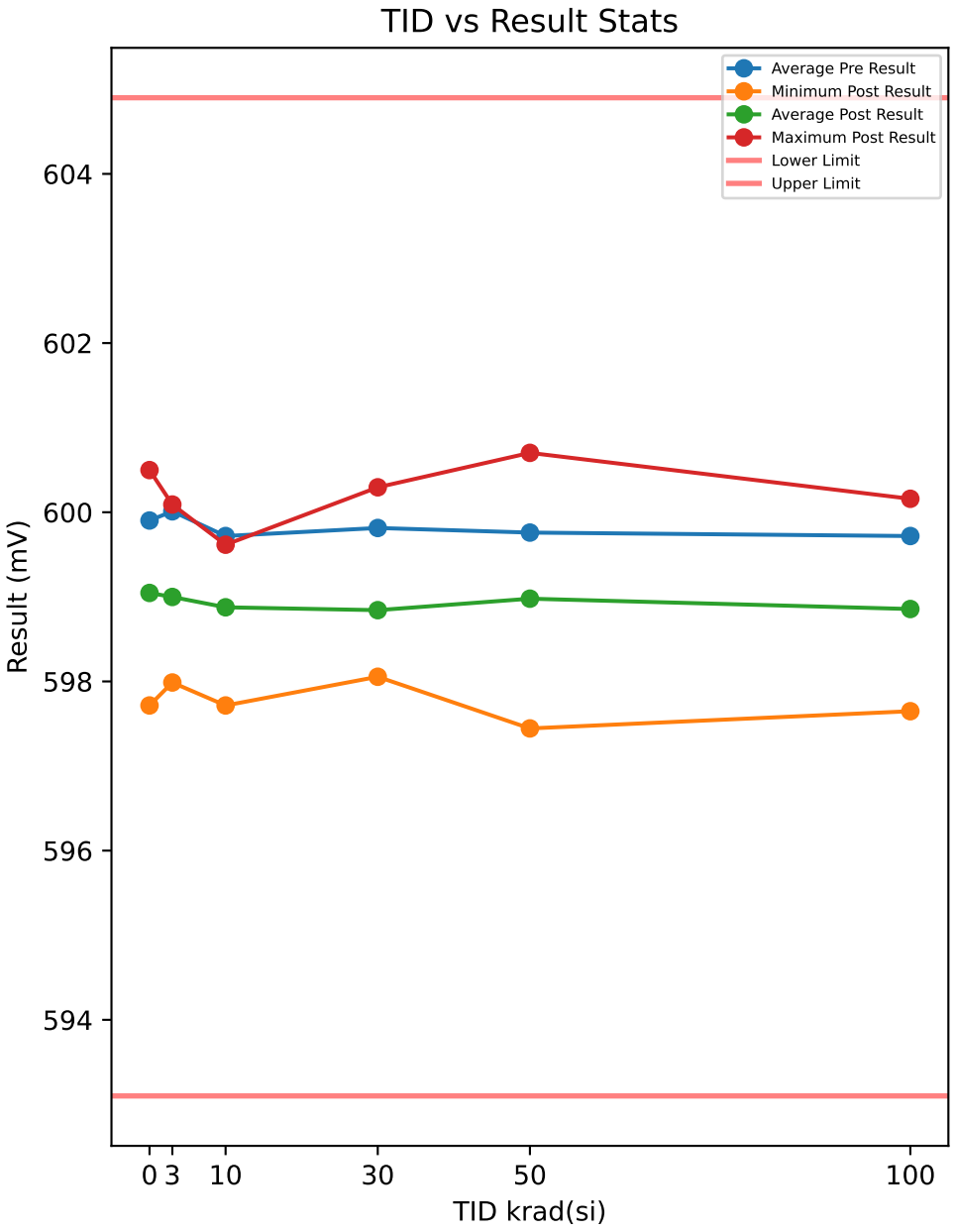
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

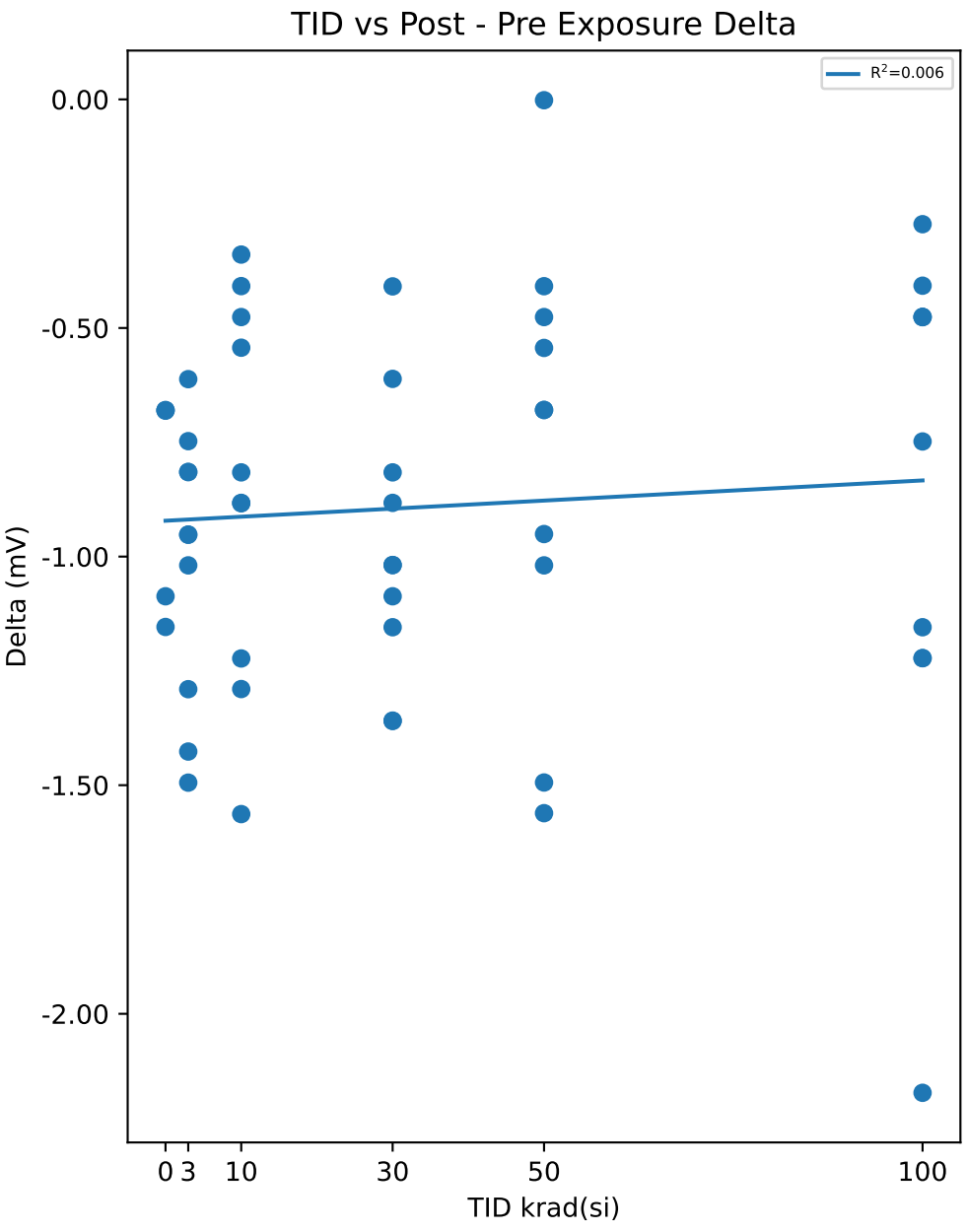
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.01	601.49	1.4838
2	3	Biased	600.55	601.97	1.416
3	3	Biased	601.64	603.05	1.416
4	3	Biased	600.89	602.04	1.1443
5	3	Biased	601.16	602.37	1.2123
6	3	Unbiased	600.35	601.9	1.5517
7	3	Unbiased	600.69	601.97	1.2802
8	3	Unbiased	600.01	601.36	1.348
9	3	Unbiased	601.71	602.92	1.2124
10	3	Unbiased	600.08	601.02	0.9406
11	10	Biased	600.14	601.49	1.3479
12	10	Biased	599.4	600.54	1.1442
13	10	Biased	600.21	601.7	1.4838
14	10	Biased	600.62	602.1	1.4838
15	10	Biased	600.69	602.37	1.6876
16	10	Unbiased	599.47	600.88	1.4159
17	10	Unbiased	600.48	601.29	0.8047
18	10	Unbiased	601.57	603.05	1.4839
19	10	Unbiased	599.74	601.29	1.5517
20	10	Unbiased	599.53	600.2	0.6688
21	30	Biased	599.87	600.81	0.9406
22	30	Biased	600.55	602.51	1.9593
23	30	Biased	601.5	603.19	1.6876
24	30	Biased	600.28	602.1	1.8233
25	30	Biased	600.89	602.37	1.4839
26	30	Unbiased	599.8	600.88	1.0764
27	30	Unbiased	599.47	600.47	1.0084
28	30	Unbiased	601.03	602.37	1.3481
29	30	Unbiased	600.82	602.04	1.2122
30	30	Unbiased	600.08	601.02	0.9406
31	50	Biased	599.94	601.56	1.6196
32	50	Biased	601.3	602.99	1.6876
33	50	Biased	600.21	601.29	1.0763
34	50	Biased	600.28	601.83	1.5517
35	50	Biased	599.26	600.95	1.6875
36	50	Unbiased	599.53	601.36	1.8233
37	50	Unbiased	600.35	601.08	0.7368
38	50	Unbiased	600.08	601.7	1.6197
39	50	Unbiased	599.74	601.08	1.348
40	50	Unbiased	601.43	603.05	1.6198
41	100	Biased	600.48	602.1	1.6196
42	100	Biased	601.03	601.97	0.9407
43	100	Biased	600.89	602.65	1.7555
44	100	Biased	600.89	602.44	1.5518
45	100	Biased	600.01	601.63	1.6197
46	100	Unbiased	600.89	602.24	1.3481
47	100	Unbiased	600.42	601.76	1.348
48	100	Unbiased	600.82	602.24	1.416
49	100	Unbiased	600.01	601.49	1.4838
50	100	Unbiased	600.35	601.15	0.8047
51	0	Correlation	601.37	602.44	1.0765
52	0	Correlation	601.84	603.67	1.8235
53	0	Correlation	600.14	601.42	1.2801
54	0	Correlation	600.08	601.56	1.4839
55	0	Correlation	600.01	601.22	1.2122

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	600.01	600.69	601.84	0.85491	601.22	602.06	603.67	1.0102	1.0765	1.3752	1.8235	0.29053
3	600.01	600.71	601.71	0.63544	601.02	602.01	603.05	0.64522	0.9406	1.3005	1.5517	0.1812
10	599.4	600.18	601.57	0.68448	600.2	601.49	603.05	0.86021	0.6688	1.3072	1.6876	0.33303
30	599.47	600.43	601.5	0.63847	600.47	601.78	603.19	0.90874	0.9406	1.348	1.9593	0.37607
50	599.26	600.21	601.43	0.69766	600.95	601.69	603.05	0.75517	0.7368	1.477	1.8233	0.33339
100	600.01	600.58	601.03	0.37903	601.15	601.97	602.65	0.45948	0.8047	1.3888	1.7555	0.30234

Device Test: 13.23; VTH_SENSE





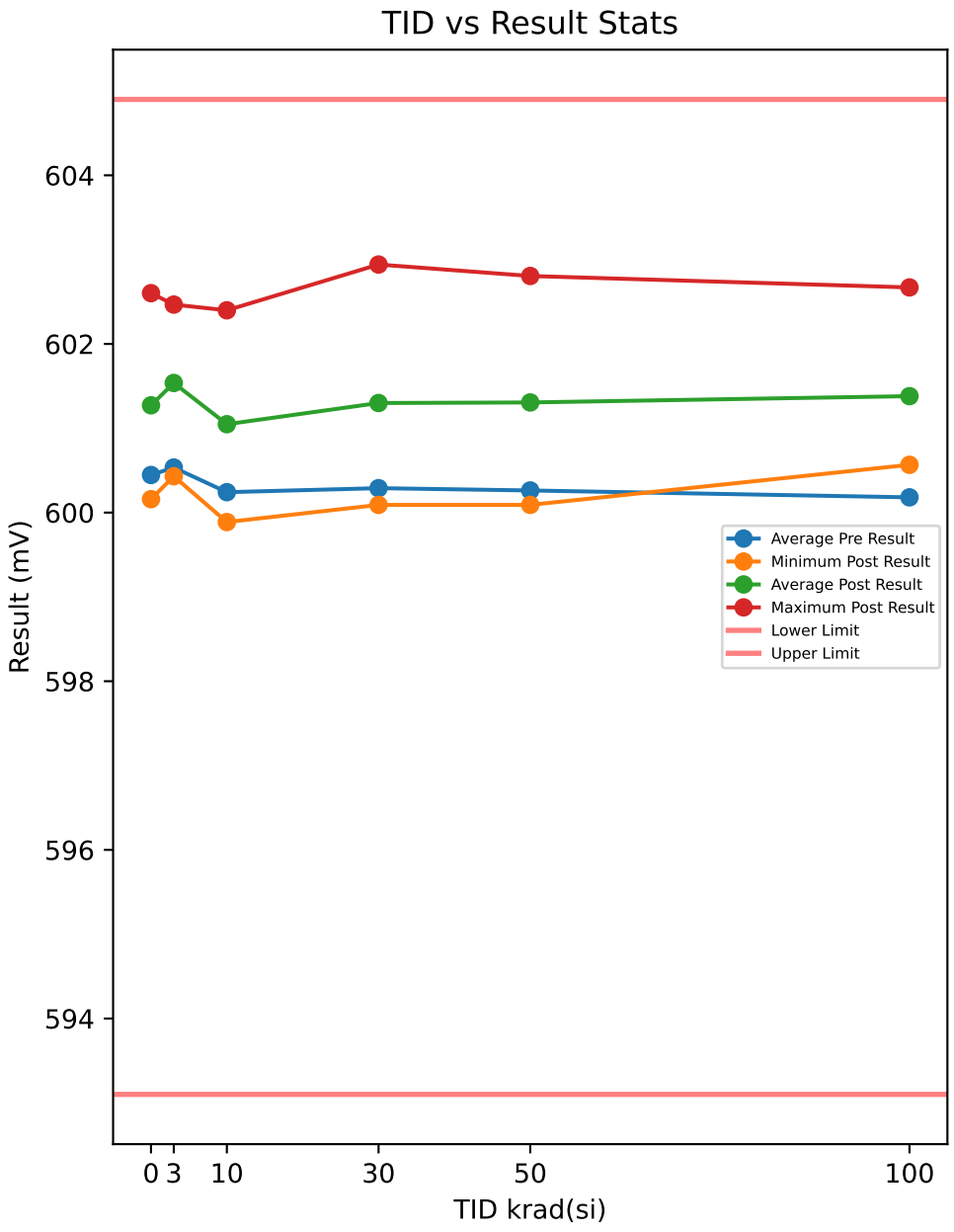
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

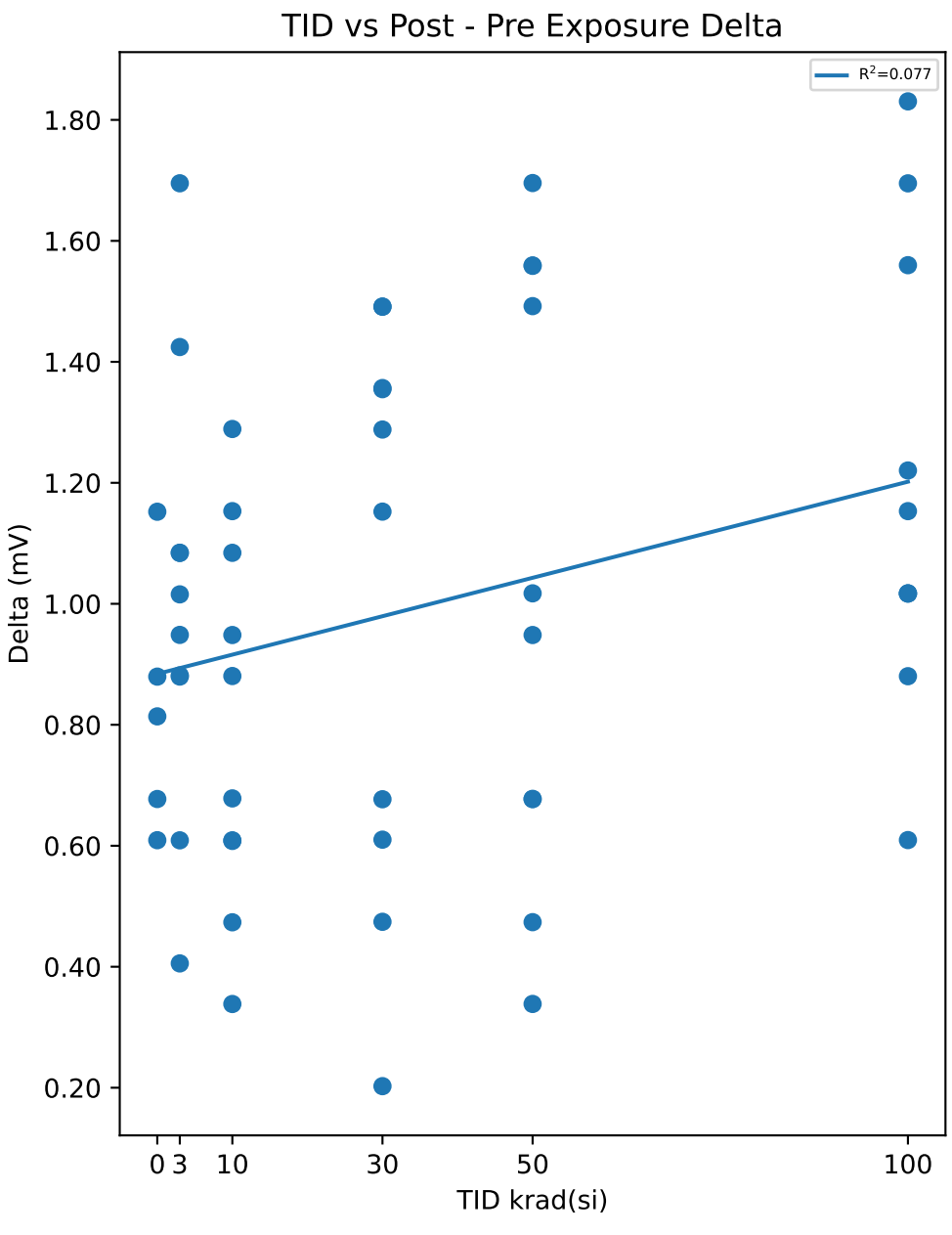
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	599.21	598.39	-0.8148
2	3	Biased	600.64	599.68	-0.9518
3	3	Biased	601.04	600.09	-0.9522
4	3	Biased	599.75	598.94	-0.8152
5	3	Biased	600.09	599.07	-1.0192
6	3	Unbiased	600.23	598.73	-1.4944
7	3	Unbiased	600.02	598.6	-1.4264
8	3	Unbiased	599.89	599.14	-0.7475
9	3	Unbiased	599.96	599.34	-0.6119
10	3	Unbiased	599.28	597.99	-1.29
11	10	Biased	600.09	598.87	-1.2228
12	10	Biased	599.01	597.72	-1.2897
13	10	Biased	599.96	599.48	-0.4761
14	10	Biased	600.3	599.48	-0.8158
15	10	Biased	600.02	599.14	-0.8834
16	10	Unbiased	598.8	598.46	-0.3394
17	10	Unbiased	600.02	599.62	-0.4084
18	10	Unbiased	601.18	599.62	-1.5632
19	10	Unbiased	598.87	598.33	-0.5431
20	10	Unbiased	598.94	598.06	-0.8825
21	30	Biased	599.28	598.67	-0.6113
22	30	Biased	599.68	598.6	-1.0868
23	30	Biased	601.11	599.75	-1.3596
24	30	Biased	599.62	598.46	-1.1545
25	30	Biased	600.7	600.29	-0.409
26	30	Unbiased	599.07	598.06	-1.0184
27	30	Unbiased	598.94	598.06	-0.8825
28	30	Unbiased	600.16	598.8	-1.3587
29	30	Unbiased	600.23	599.41	-0.8158
30	30	Unbiased	599.35	598.33	-1.0186
31	50	Biased	599.41	598.46	-0.9507
32	50	Biased	600.7	600.7	-0.0018
33	50	Biased	599.35	598.67	-0.6792
34	50	Biased	599.89	598.39	-1.4941
35	50	Biased	599.55	598.87	-0.6794
36	50	Unbiased	599.89	599.41	-0.4761
37	50	Unbiased	599.01	597.44	-1.5612
38	50	Unbiased	599.48	598.94	-0.5436
39	50	Unbiased	600.09	599.07	-1.0192
40	50	Unbiased	600.23	599.82	-0.4086
41	100	Biased	599.28	598.06	-1.2222
42	100	Biased	599.21	597.99	-1.222
43	100	Biased	600.43	600.16	-0.273
44	100	Biased	600.09	599.62	-0.4763
45	100	Biased	599.62	599.14	-0.4758
46	100	Unbiased	600.5	599.75	-0.7482
47	100	Unbiased	599.62	598.46	-1.1545
48	100	Unbiased	599.48	599.01	-0.4758
49	100	Unbiased	599.14	598.73	-0.4075
50	100	Unbiased	599.82	597.65	-2.1728
51	0	Correlation	599.96	599.28	-0.6797
52	0	Correlation	601.18	600.5	-0.6809
53	0	Correlation	599.68	599.01	-0.6796
54	0	Correlation	599.82	598.73	-1.0868
55	0	Correlation	598.87	597.72	-1.1539

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	598.87	599.9	601.18	0.82974	597.72	599.05	600.5	1.0039	-1.1539	-0.85618	-0.6796	0.24232
3	599.21	600.01	601.04	0.55537	597.99	599	600.09	0.61743	-1.4944	-1.0123	-0.6119	0.29751
10	598.8	599.72	601.18	0.78389	597.72	598.88	599.62	0.69835	-1.5632	-0.84244	-0.3394	0.41278
30	598.94	599.81	601.11	0.71852	598.06	598.84	600.29	0.74566	-1.3596	-0.97152	-0.409	0.30369
50	599.01	599.76	600.7	0.49862	597.44	598.98	600.7	0.87862	-1.5612	-0.78139	-0.0018	0.48518
100	599.14	599.72	600.5	0.48696	597.65	598.86	600.16	0.83048	-2.1728	-0.86281	-0.273	0.58467

Device Test: 13.24; VTH_SENSE





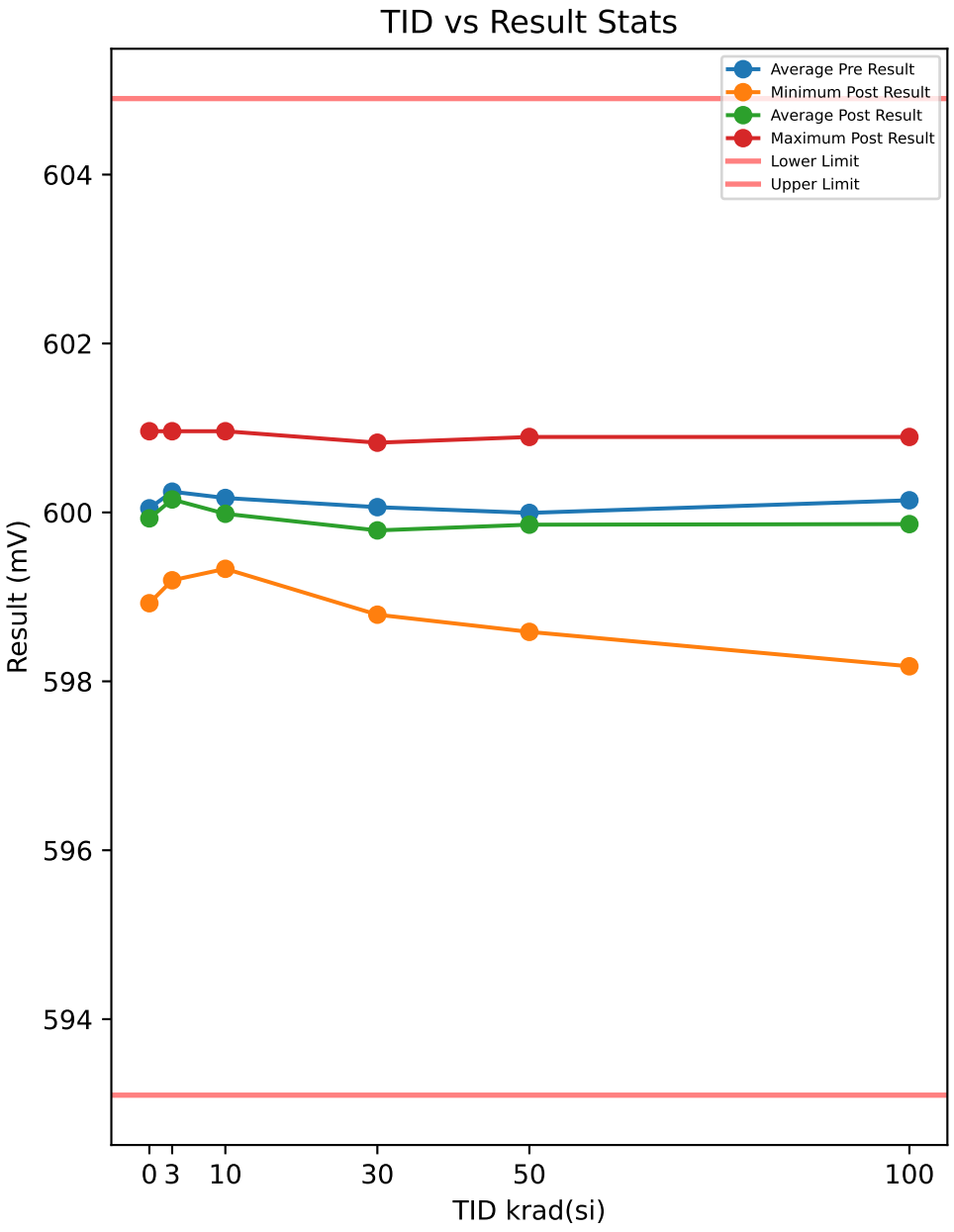
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

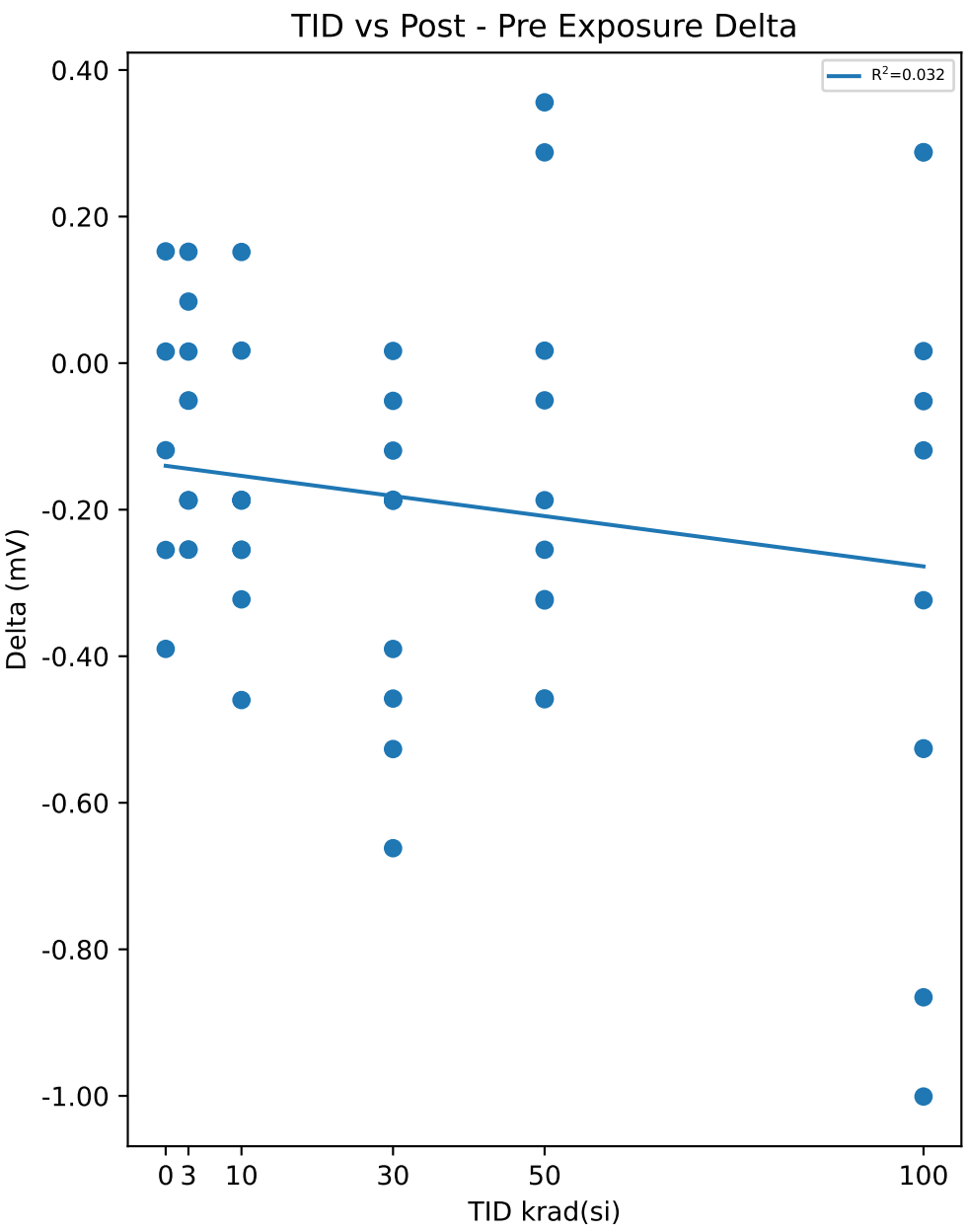
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	599.55	600.43	0.8816
2	3	Biased	601.38	602.4	1.0156
3	3	Biased	601.59	602.47	0.8797
4	3	Biased	600.36	601.31	0.9486
5	3	Biased	600.77	601.86	1.0841
6	3	Unbiased	600.84	601.45	0.609
7	3	Unbiased	600.36	601.45	1.0844
8	3	Unbiased	600.36	602.06	1.6952
9	3	Unbiased	600.57	600.97	0.4055
10	3	Unbiased	599.55	600.97	1.4245
11	10	Biased	600.43	600.91	0.4735
12	10	Biased	599.21	599.89	0.6783
13	10	Biased	600.57	601.52	0.9484
14	10	Biased	600.64	601.72	1.0843
15	10	Biased	600.64	601.52	0.8806
16	10	Unbiased	599.35	600.63	1.289
17	10	Unbiased	600.7	601.31	0.609
18	10	Unbiased	601.79	602.4	0.608
19	10	Unbiased	599.41	600.57	1.1532
20	10	Unbiased	599.68	600.02	0.3384
21	30	Biased	599.75	600.23	0.4743
22	30	Biased	600.16	601.31	1.1524
23	30	Biased	601.59	602.94	1.3548
24	30	Biased	600.3	601.58	1.2881
25	30	Biased	600.91	602.4	1.4911
26	30	Unbiased	599.48	600.84	1.3567
27	30	Unbiased	599.48	600.09	0.6101
28	30	Unbiased	600.77	601.45	0.6769
29	30	Unbiased	600.57	602.06	1.4914
30	30	Unbiased	599.89	600.09	0.2026
31	50	Biased	599.62	600.63	1.0173
32	50	Biased	601.25	602.81	1.5587
33	50	Biased	600.02	600.7	0.6775
34	50	Biased	600.23	600.7	0.4737
35	50	Biased	599.96	601.45	1.4921
36	50	Unbiased	600.5	602.06	1.5594
37	50	Unbiased	599.75	600.09	0.3385
38	50	Unbiased	600.02	601.72	1.6956
39	50	Unbiased	600.5	601.18	0.6771
40	50	Unbiased	600.77	601.72	0.9484
41	100	Biased	599.68	600.7	1.0171
42	100	Biased	599.41	600.57	1.1532
43	100	Biased	601.04	601.92	0.8803
44	100	Biased	600.64	602.33	1.6951
45	100	Biased	600.09	601.31	1.2204
46	100	Unbiased	600.84	602.67	1.8306
47	100	Unbiased	600.09	601.65	1.5598
48	100	Unbiased	599.96	600.97	1.017
49	100	Unbiased	599.75	600.77	1.0172
50	100	Unbiased	600.3	600.91	0.6094
51	0	Correlation	600.43	601.04	0.6092
52	0	Correlation	601.72	602.6	0.8796
53	0	Correlation	600.3	600.97	0.6773
54	0	Correlation	600.43	601.58	1.1522
55	0	Correlation	599.35	600.16	0.8139

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	599.35	600.45	601.72	0.84625	600.16	601.27	602.6	0.90112	0.6092	0.82644	1.1522	0.21127
3	599.55	600.53	601.59	0.6673	600.43	601.54	602.47	0.65881	0.4055	1.0028	1.6952	0.36747
10	599.21	600.24	601.79	0.81189	599.89	601.05	602.4	0.78917	0.3384	0.80627	1.289	0.31281
30	599.48	600.29	601.59	0.67889	600.09	601.3	602.94	0.99272	0.2026	1.0098	1.4914	0.47254
50	599.62	600.26	601.25	0.49738	600.09	601.31	602.81	0.80649	0.3385	1.0438	1.6956	0.50085
100	599.41	600.18	601.04	0.52524	600.57	601.38	602.67	0.73237	0.6094	1.2	1.8306	0.38387

Device Test: 13.25; VTH_SENSE





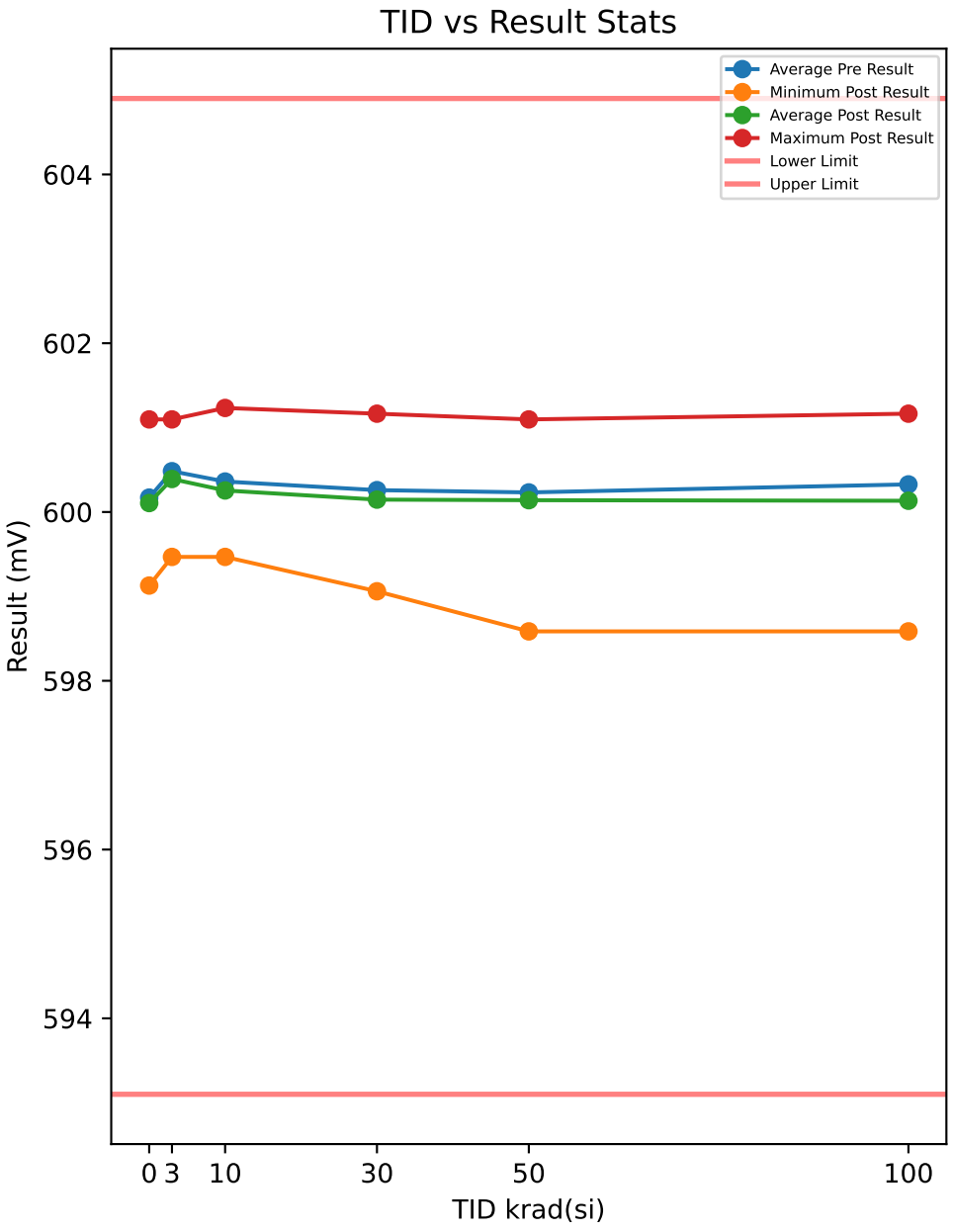
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

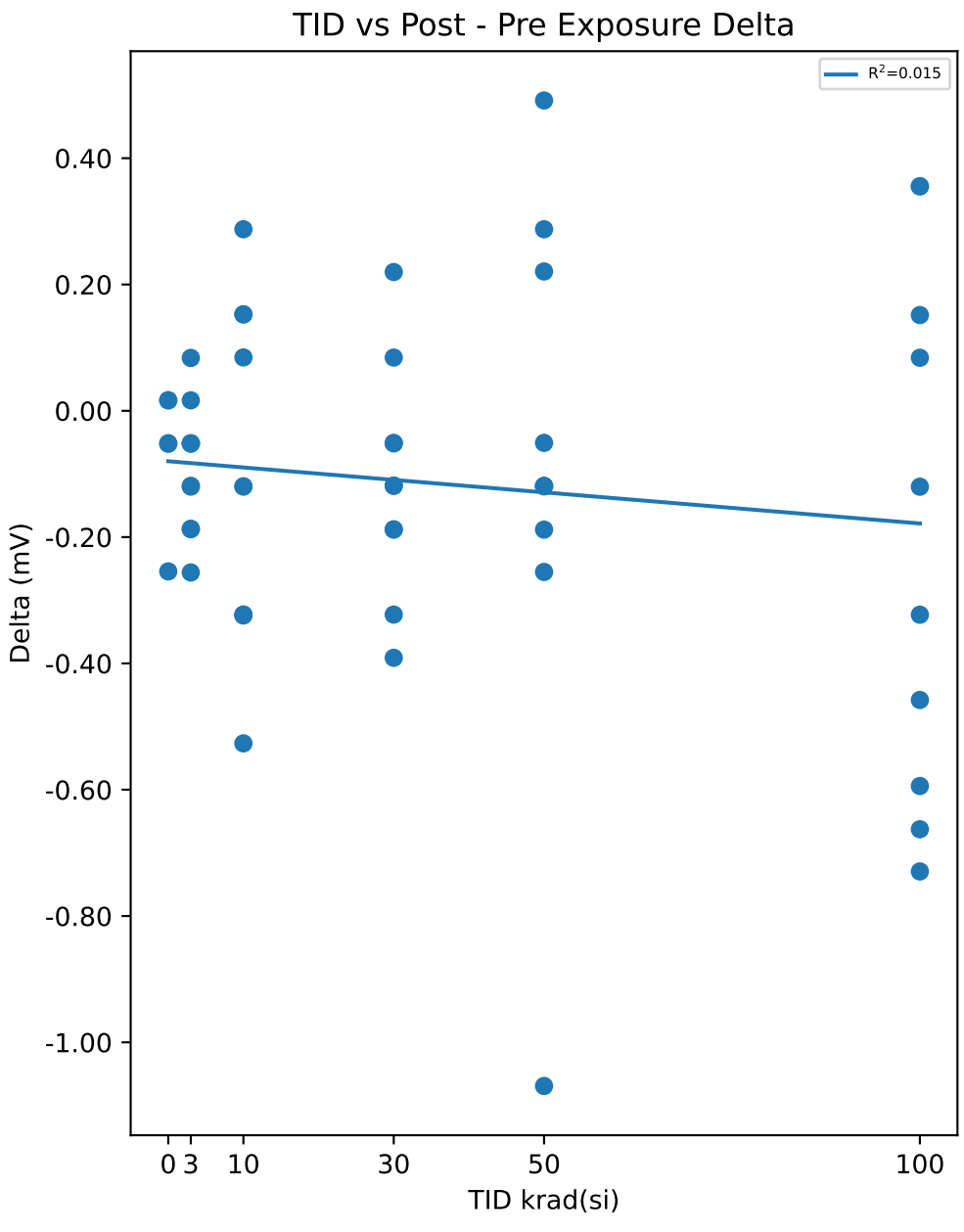
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	599.65	599.4	-0.2546
2	3	Biased	600.61	600.42	-0.1875
3	3	Biased	600.95	600.96	0.0158
4	3	Biased	600.67	600.76	0.084
5	3	Biased	600.33	600.15	-0.1872
6	3	Unbiased	600.4	600.21	-0.1872
7	3	Unbiased	600.13	600.08	-0.0513
8	3	Unbiased	599.72	599.67	-0.0509
9	3	Unbiased	600.54	600.69	0.152
10	3	Unbiased	599.45	599.2	-0.2544
11	10	Biased	599.86	599.67	-0.1868
12	10	Biased	599.86	599.6	-0.2547
13	10	Biased	600.81	600.96	0.1517
14	10	Biased	600.67	600.49	-0.1875
15	10	Biased	600.47	600.28	-0.1874
16	10	Unbiased	599.59	599.4	-0.1867
17	10	Unbiased	599.93	599.67	-0.2548
18	10	Unbiased	601.42	600.96	-0.4598
19	10	Unbiased	599.45	599.47	0.0171
20	10	Unbiased	599.65	599.33	-0.3224
21	30	Biased	599.45	599.06	-0.3901
22	30	Biased	600.47	600.28	-0.1874
23	30	Biased	601.01	600.83	-0.1879
24	30	Biased	600.4	600.35	-0.0515
25	30	Biased	600.4	600.28	-0.1194
26	30	Unbiased	599.38	599.2	-0.1864
27	30	Unbiased	599.25	598.79	-0.4578
28	30	Unbiased	600.33	599.81	-0.5267
29	30	Unbiased	600.13	600.15	0.0166
30	30	Unbiased	599.79	599.13	-0.662
31	50	Biased	599.38	599.06	-0.3221
32	50	Biased	601.22	600.89	-0.3239
33	50	Biased	599.79	599.54	-0.2547
34	50	Biased	600.27	599.81	-0.4587
35	50	Biased	600.2	600.01	-0.1871
36	50	Unbiased	600.61	600.89	0.2876
37	50	Unbiased	599.04	598.59	-0.4576
38	50	Unbiased	599.52	599.47	-0.0508
39	50	Unbiased	599.65	599.67	0.017
40	50	Unbiased	600.27	600.62	0.3559
41	100	Biased	600.2	599.67	-0.5265
42	100	Biased	599.18	598.18	-1.0009
43	100	Biased	600.33	600.35	0.0164
44	100	Biased	601.01	600.69	-0.3236
45	100	Biased	599.25	598.72	-0.5257
46	100	Unbiased	600.4	600.69	0.2879
47	100	Unbiased	599.93	599.81	-0.1191
48	100	Unbiased	600.61	600.89	0.2876
49	100	Unbiased	600.81	600.76	-0.0519
50	100	Unbiased	599.72	598.86	-0.8655
51	0	Correlation	600.95	600.96	0.0158
52	0	Correlation	599.79	599.67	-0.1189
53	0	Correlation	600.27	600.01	-0.255
54	0	Correlation	599.93	600.08	0.1525
55	0	Correlation	599.31	598.92	-0.39

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	600.05	600.95	0.60654	598.92	599.93	600.96	0.73643	-0.39	-0.11912	0.1525	0.21437
3	599.45	600.25	600.95	0.49311	599.2	600.15	600.96	0.58696	-0.2546	-0.09213	0.152	0.14358
10	599.45	600.17	601.42	0.64071	599.33	599.98	600.96	0.63453	-0.4598	-0.18713	0.1517	0.16941
30	599.25	600.06	601.01	0.57293	598.79	599.79	600.83	0.69303	-0.662	-0.27526	0.0166	0.22163
50	599.04	599.99	601.22	0.64297	598.59	599.85	600.89	0.76733	-0.4587	-0.13944	0.3559	0.28793
100	599.18	600.14	601.01	0.62171	598.18	599.86	600.89	0.981	-1.0009	-0.28213	0.2879	0.44671

Device Test: 13.26; VTH_SENSE





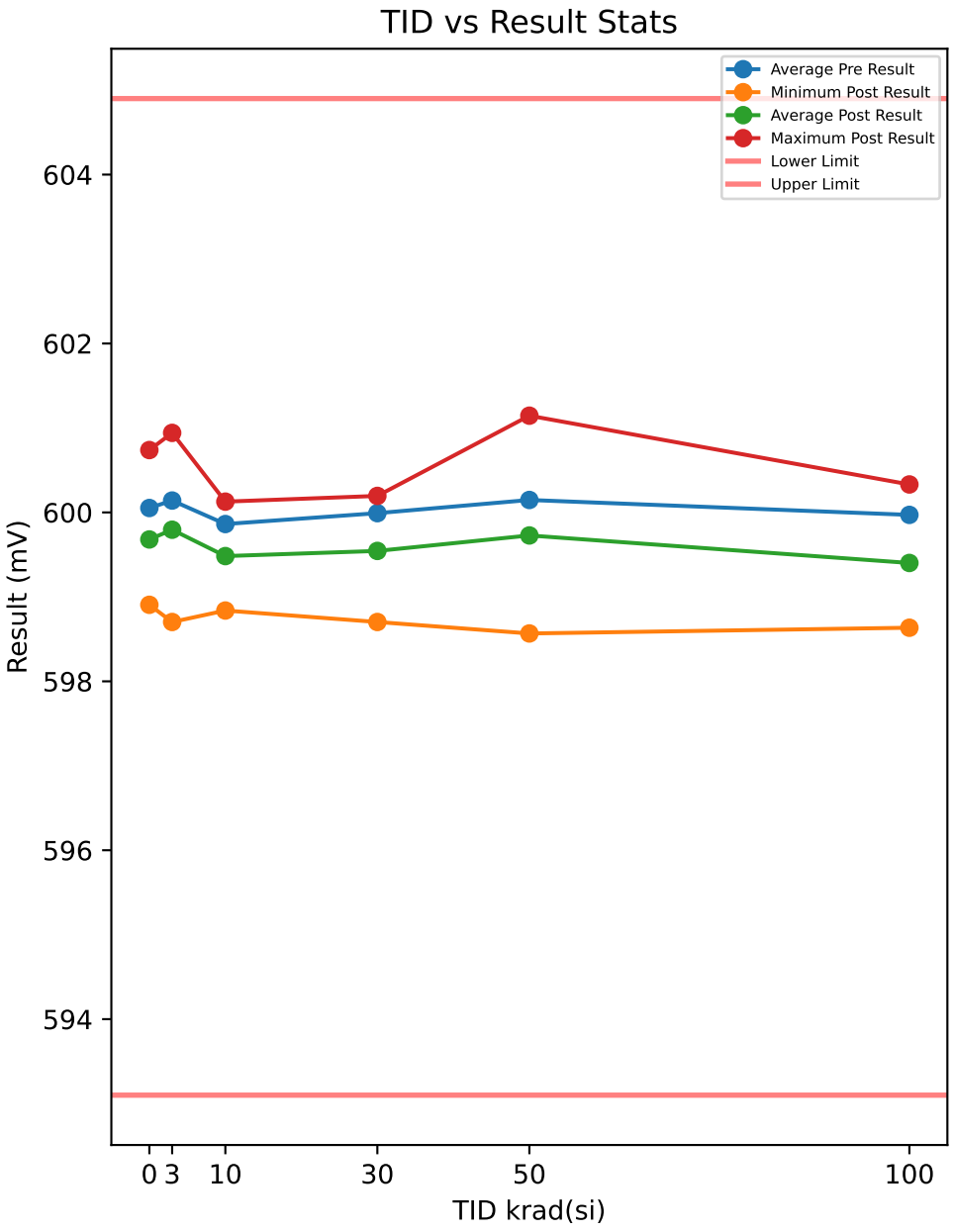
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

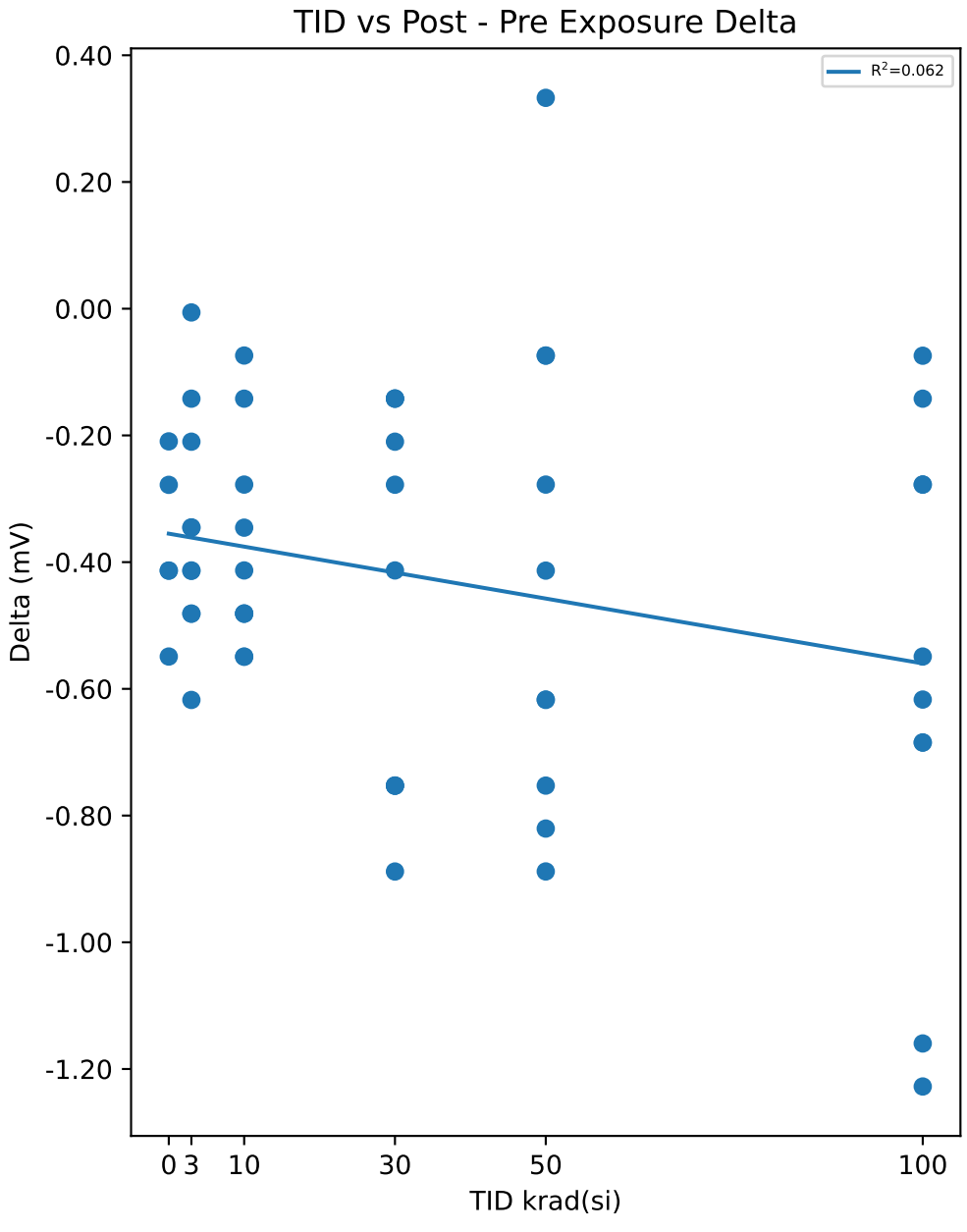
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	599.86	599.67	-0.1868
2	3	Biased	600.61	600.55	-0.0518
3	3	Biased	601.22	600.96	-0.256
4	3	Biased	601.01	600.89	-0.12
5	3	Biased	600.61	600.42	-0.1875
6	3	Unbiased	600.47	600.42	-0.0516
7	3	Unbiased	600.33	600.28	-0.0515
8	3	Unbiased	600.13	600.15	0.0166
9	3	Unbiased	601.01	601.1	0.0837
10	3	Unbiased	599.59	599.47	-0.1188
11	10	Biased	600.27	599.94	-0.3229
12	10	Biased	600.27	599.74	-0.5266
13	10	Biased	600.88	601.16	0.2875
14	10	Biased	600.81	600.69	-0.1198
15	10	Biased	600.67	600.55	-0.1197
16	10	Unbiased	599.65	599.81	0.1527
17	10	Unbiased	600.06	600.15	0.0845
18	10	Unbiased	601.56	601.23	-0.3241
19	10	Unbiased	599.65	599.81	0.1527
20	10	Unbiased	599.79	599.47	-0.3226
21	30	Biased	599.93	599.6	-0.3227
22	30	Biased	600.61	600.83	0.2197
23	30	Biased	601.35	601.16	-0.1881
24	30	Biased	600.54	600.49	-0.0516
25	30	Biased	600.74	600.55	-0.1877
26	30	Unbiased	599.59	599.54	-0.0509
27	30	Unbiased	599.18	599.06	-0.1183
28	30	Unbiased	600.61	600.21	-0.3911
29	30	Unbiased	600.33	600.42	0.0843
30	30	Unbiased	599.72	599.6	-0.1188
31	50	Biased	599.52	599.47	-0.0508
32	50	Biased	601.29	601.1	-0.1881
33	50	Biased	599.86	599.74	-0.119
34	50	Biased	600.61	600.49	-0.1196
35	50	Biased	600.47	600.21	-0.2552
36	50	Unbiased	600.81	601.1	0.2875
37	50	Unbiased	599.65	598.59	-1.0691
38	50	Unbiased	599.65	599.88	0.2206
39	50	Unbiased	599.93	599.81	-0.1191
40	50	Unbiased	600.54	601.03	0.4914
41	100	Biased	600.47	599.81	-0.6626
42	100	Biased	599.31	598.59	-0.7294
43	100	Biased	600.61	600.69	0.084
44	100	Biased	601.29	601.16	-0.1202
45	100	Biased	599.31	598.86	-0.4579
46	100	Unbiased	600.61	600.96	0.3555
47	100	Unbiased	600.27	599.94	-0.3229
48	100	Unbiased	600.67	601.03	0.3555
49	100	Unbiased	600.95	601.1	0.1516
50	100	Unbiased	599.79	599.2	-0.5941
51	0	Correlation	601.15	601.1	-0.0522
52	0	Correlation	599.93	599.94	0.0167
53	0	Correlation	600.13	600.15	0.0166
54	0	Correlation	600.27	600.21	-0.0513
55	0	Correlation	599.38	599.13	-0.2543

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	599.38	600.17	601.15	0.64204	599.13	600.11	601.1	0.70317	-0.2543	-0.0649	0.0167	0.11126
3	599.59	600.48	601.22	0.52412	599.47	600.39	601.1	0.5318	-0.256	-0.09237	0.0837	0.10223
10	599.65	600.36	601.56	0.61707	599.47	600.26	601.23	0.61986	-0.5266	-0.10583	0.2875	0.26746
30	599.18	600.26	601.35	0.64728	599.06	600.15	601.16	0.66663	-0.3911	-0.11252	0.2197	0.17945
50	599.52	600.23	601.29	0.59078	598.59	600.14	601.1	0.81361	-1.0691	-0.09214	0.4914	0.41854
100	599.31	600.33	601.29	0.6614	598.59	600.13	601.16	0.99085	-0.7294	-0.19405	0.3555	0.41615

Device Test: 13.27; VTH_SENSE





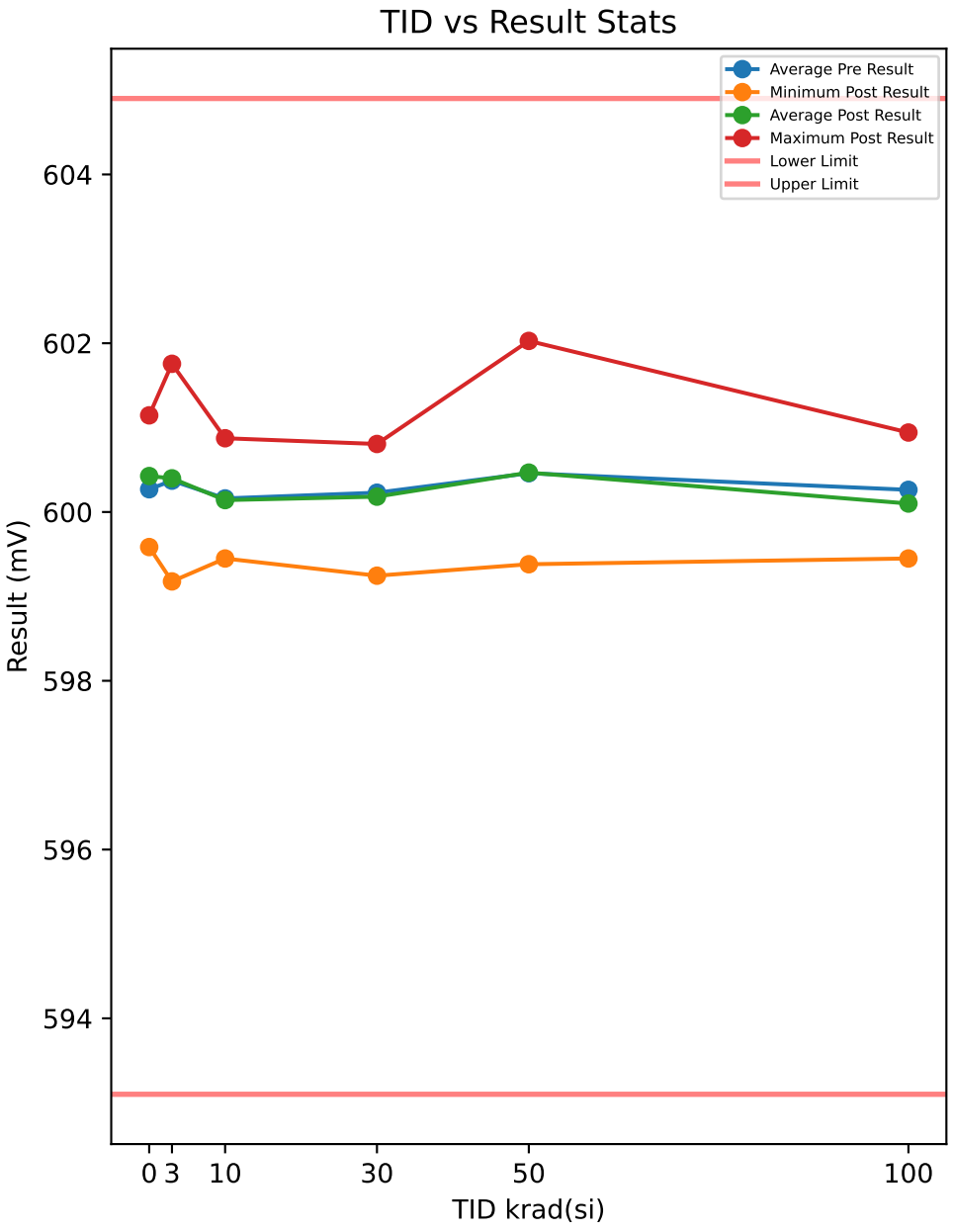
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

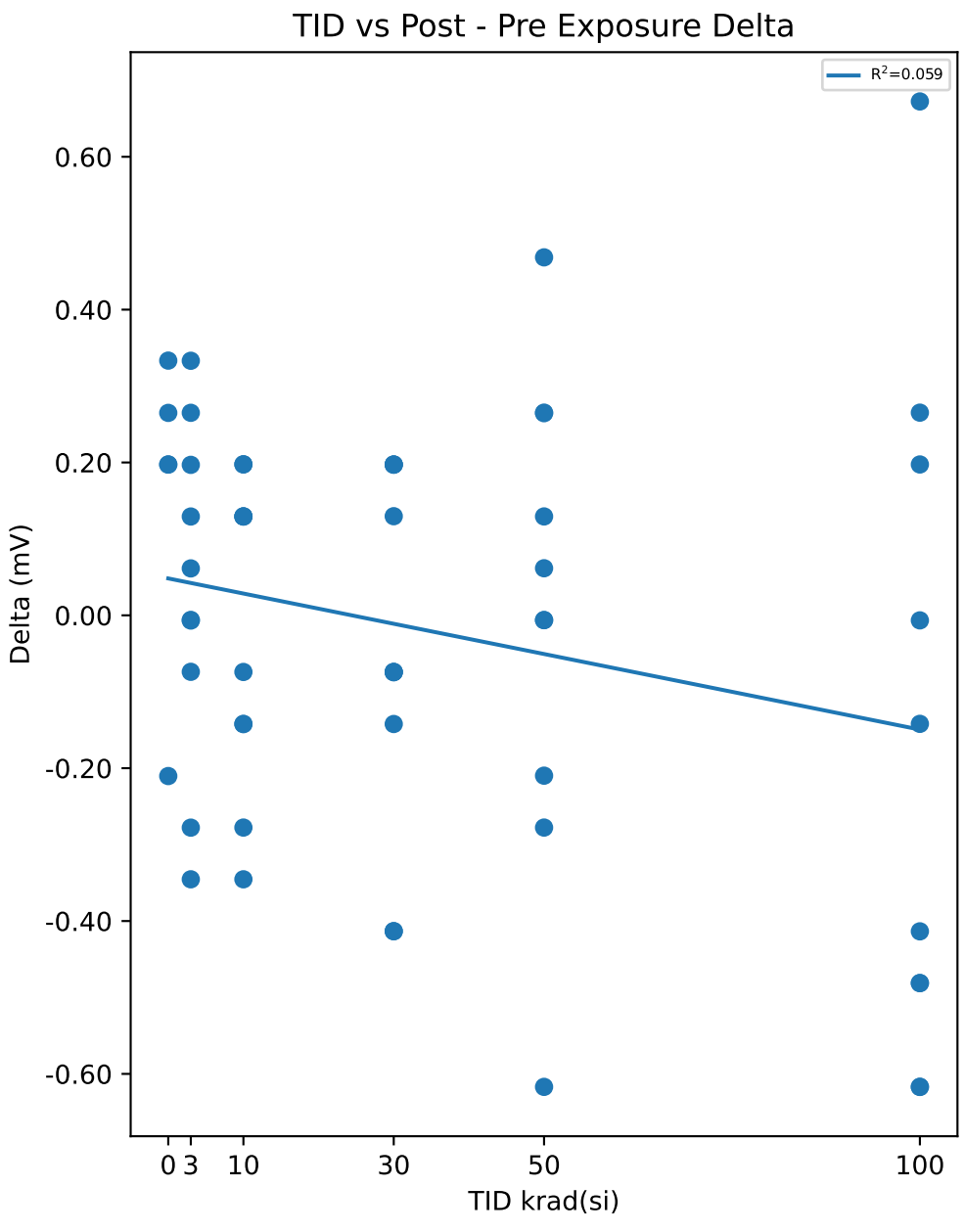
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	599.05	598.7	-0.3452
2	3	Biased	600.2	599.72	-0.4813
3	3	Biased	601.56	600.94	-0.6175
4	3	Biased	600	599.65	-0.3455
5	3	Biased	600.2	600.06	-0.142
6	3	Unbiased	601.08	600.67	-0.4138
7	3	Unbiased	600.47	600.26	-0.2099
8	3	Unbiased	599.05	599.04	-0.0059
9	3	Unbiased	600.41	599.92	-0.4813
10	3	Unbiased	599.39	598.97	-0.4131
11	10	Biased	599.73	599.18	-0.5491
12	10	Biased	599.66	599.18	-0.4812
13	10	Biased	600.27	600.13	-0.142
14	10	Biased	600.41	600.06	-0.3456
15	10	Biased	600.27	599.79	-0.4814
16	10	Unbiased	599.25	598.84	-0.4131
17	10	Unbiased	599.66	599.38	-0.2776
18	10	Unbiased	600.68	600.13	-0.5493
19	10	Unbiased	599.25	599.18	-0.0739
20	10	Unbiased	599.46	598.97	-0.481
21	30	Biased	599.59	598.7	-0.8883
22	30	Biased	600.07	599.92	-0.1419
23	30	Biased	600.74	599.99	-0.7528
24	30	Biased	600	599.79	-0.2099
25	30	Biased	600.34	600.2	-0.142
26	30	Unbiased	599.18	599.04	-0.1417
27	30	Unbiased	599.25	598.84	-0.4131
28	30	Unbiased	600.68	599.92	-0.7529
29	30	Unbiased	600.47	600.2	-0.2778
30	30	Unbiased	599.59	598.84	-0.7525
31	50	Biased	599.86	599.58	-0.2776
32	50	Biased	601.7	601.08	-0.6175
33	50	Biased	599.59	598.97	-0.6168
34	50	Biased	600.34	599.52	-0.8205
35	50	Biased	600.34	599.58	-0.7527
36	50	Unbiased	599.66	599.58	-0.074
37	50	Unbiased	599.46	598.57	-0.8882
38	50	Unbiased	599.59	599.52	-0.0739
39	50	Unbiased	600.13	599.72	-0.4134
40	50	Unbiased	600.81	601.15	0.3328
41	100	Biased	600.07	599.52	-0.549
42	100	Biased	600.07	598.84	-1.2276
43	100	Biased	600.41	600.33	-0.0742
44	100	Biased	600.13	599.45	-0.6848
45	100	Biased	599.46	598.77	-0.6846
46	100	Unbiased	599.93	599.79	-0.142
47	100	Unbiased	600.13	599.52	-0.6169
48	100	Unbiased	599.93	599.65	-0.2776
49	100	Unbiased	599.79	599.52	-0.2775
50	100	Unbiased	599.79	598.63	-1.1597
51	0	Correlation	600.41	599.99	-0.4134
52	0	Correlation	601.02	600.74	-0.278
53	0	Correlation	599.86	599.31	-0.549
54	0	Correlation	599.86	599.45	-0.4133
55	0	Correlation	599.12	598.91	-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	599.12	600.05	601.02	0.70773	598.91	599.68	600.74	0.70779	-0.549	-0.37262	-0.2094	0.13231
3	599.05	600.14	601.56	0.82112	598.7	599.8	600.94	0.73396	-0.6175	-0.34555	-0.0059	0.18112
10	599.25	599.86	600.68	0.50594	598.84	599.48	600.13	0.49686	-0.5493	-0.37942	-0.0739	0.16703
30	599.18	599.99	600.74	0.56922	598.7	599.54	600.2	0.61047	-0.8883	-0.44729	-0.1417	0.30559
50	599.46	600.15	601.7	0.69357	598.57	599.73	601.15	0.80954	-0.8882	-0.42018	0.3328	0.39364
100	599.46	599.97	600.41	0.25638	598.63	599.4	600.33	0.5188	-1.2276	-0.56939	-0.0742	0.3957

Device Test: 13.28; VTH_SENSE





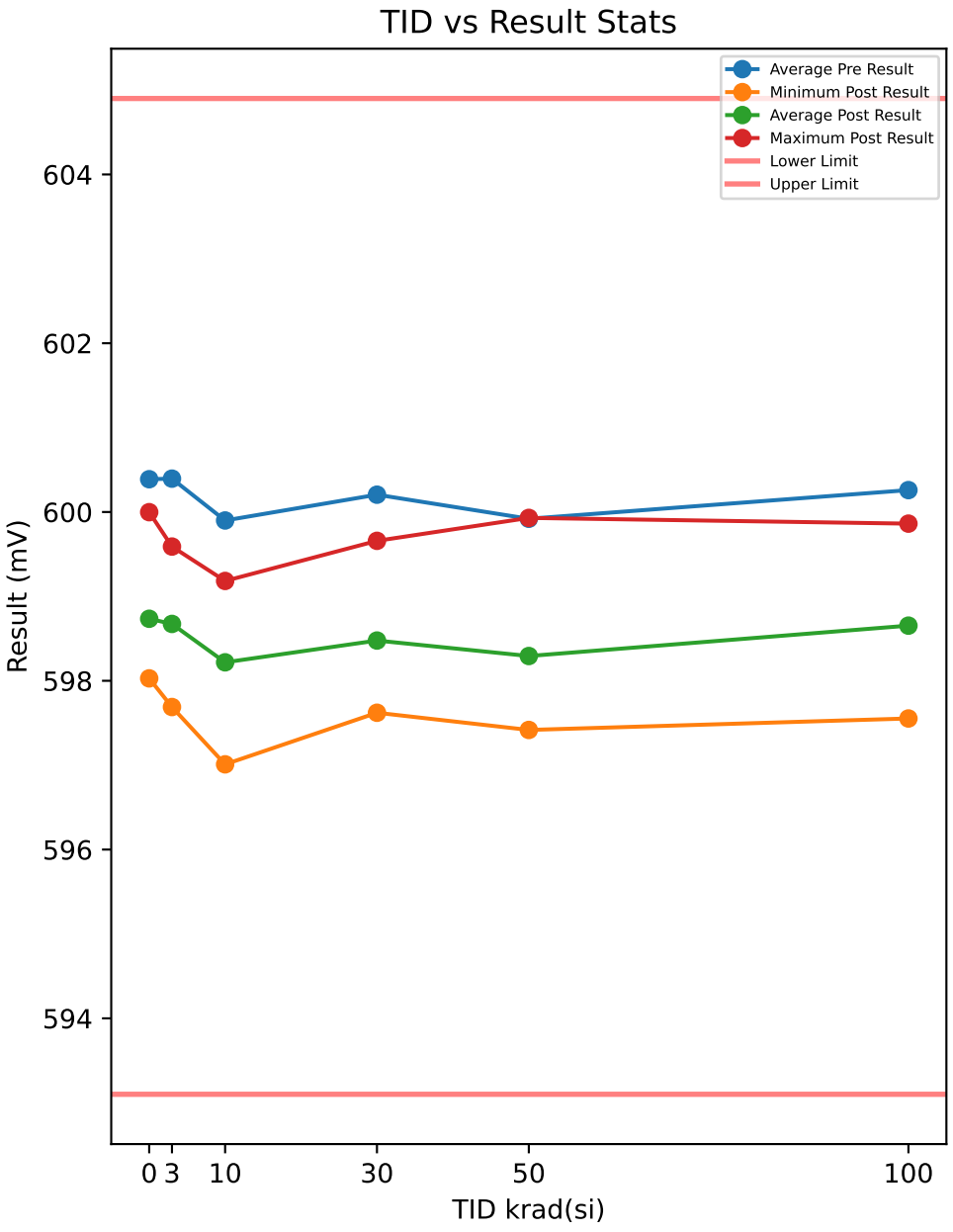
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	599.46	599.45	-0.006
2	3	Biased	600.54	600.26	-0.2778
3	3	Biased	601.76	601.76	-0.0068
4	3	Biased	600.07	600.4	0.3331
5	3	Biased	600.61	600.87	0.265
6	3	Unbiased	601.15	601.35	0.1969
7	3	Unbiased	600.68	600.74	0.0614
8	3	Unbiased	599.25	599.18	-0.0739
9	3	Unbiased	600.61	600.74	0.1293
10	3	Unbiased	599.59	599.25	-0.3454
11	10	Biased	600	600.13	0.1295
12	10	Biased	600	599.72	-0.2777
13	10	Biased	600.61	600.74	0.1293
14	10	Biased	600.74	600.87	0.1293
15	10	Biased	600.54	600.4	-0.1421
16	10	Unbiased	599.39	599.58	0.1976
17	10	Unbiased	600	599.92	-0.0741
18	10	Unbiased	601.02	600.87	-0.1423
19	10	Unbiased	599.52	599.72	0.1975
20	10	Unbiased	599.79	599.45	-0.3454
21	30	Biased	599.73	599.65	-0.074
22	30	Biased	600.07	600.26	0.1974
23	30	Biased	600.88	600.74	-0.1422
24	30	Biased	600.27	600.47	0.1972
25	30	Biased	600.61	600.81	0.1971
26	30	Unbiased	599.46	599.58	0.1297
27	30	Unbiased	599.66	599.25	-0.4133
28	30	Unbiased	600.81	600.74	-0.0743
29	30	Unbiased	600.88	600.81	-0.0744
30	30	Unbiased	599.93	599.52	-0.4133
31	50	Biased	600.2	600.26	0.0616
32	50	Biased	601.76	602.03	0.2645
33	50	Biased	600.13	599.92	-0.2098
34	50	Biased	600.41	600.4	-0.0063
35	50	Biased	600.41	600.13	-0.2777
36	50	Unbiased	600	600.26	0.2652
37	50	Unbiased	600	599.38	-0.617
38	50	Unbiased	600.07	600.06	-0.0062
39	50	Unbiased	600.41	600.53	0.1294
40	50	Unbiased	601.22	601.69	0.4684
41	100	Biased	600.47	599.86	-0.6171
42	100	Biased	600.13	599.65	-0.4812
43	100	Biased	600.95	600.94	-0.0066
44	100	Biased	600.27	600.13	-0.142
45	100	Biased	599.93	599.45	-0.4812
46	100	Unbiased	600.07	600.74	0.6724
47	100	Unbiased	600.54	600.13	-0.4135
48	100	Unbiased	600.13	600.4	0.2652
49	100	Unbiased	600.07	600.26	0.1974
50	100	Unbiased	600.07	599.45	-0.6169
51	0	Correlation	600.68	600.94	0.2649
52	0	Correlation	601.36	601.15	-0.2103
53	0	Correlation	600.07	600.26	0.1974
54	0	Correlation	600	600.2	0.1973
55	0	Correlation	599.25	599.58	0.3333

Test Statistics (mV)

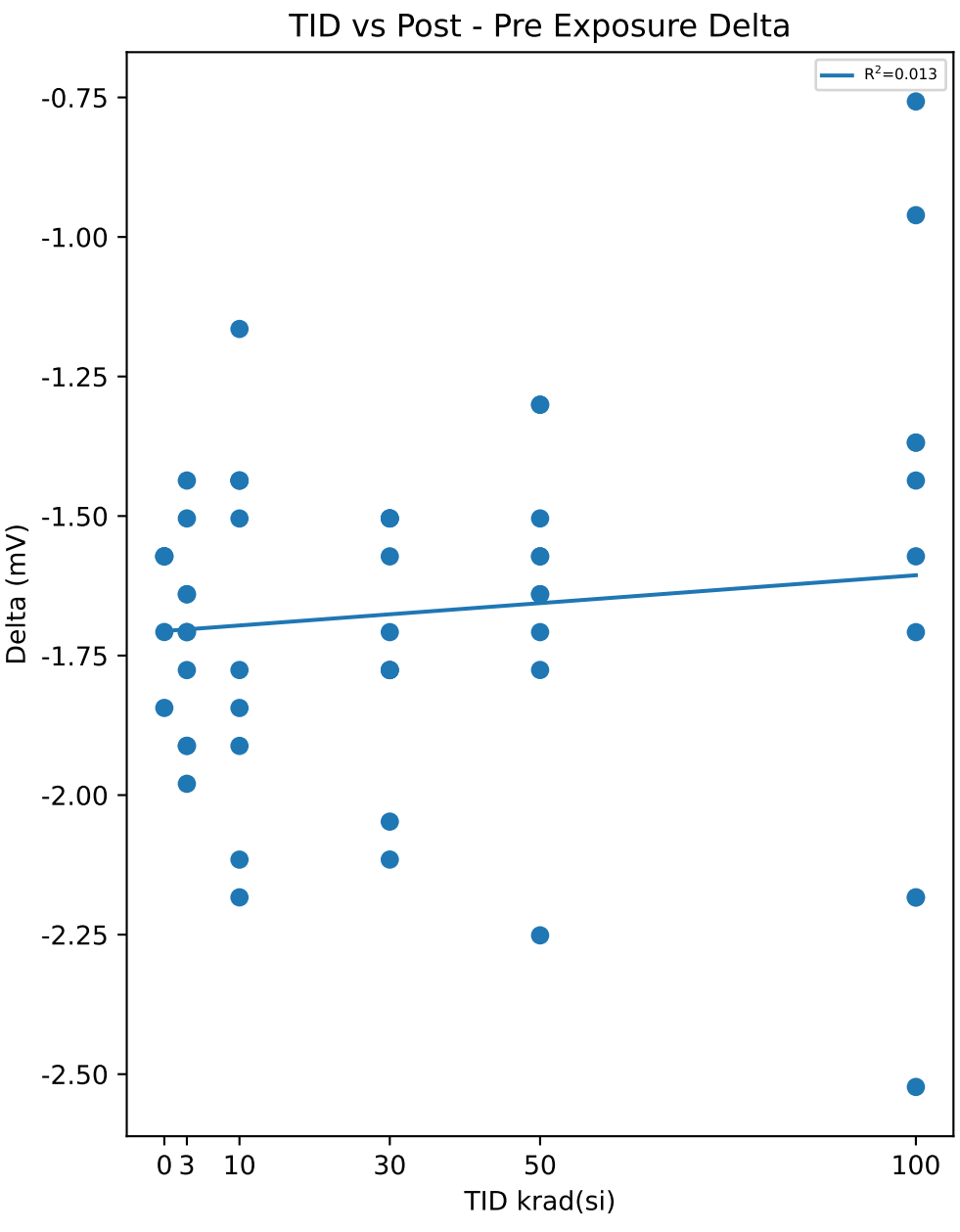
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	599.25	600.27	601.36	0.79017	599.58	600.43	601.15	0.6267	-0.2103	0.15652	0.3333	0.21265
3	599.25	600.37	601.76	0.78726	599.18	600.4	601.76	0.87839	-0.3454	0.02758	0.3331	0.21981
10	599.39	600.16	601.02	0.54135	599.45	600.14	600.87	0.54643	-0.3454	-0.01984	0.1976	0.20185
30	599.46	600.23	600.88	0.54039	599.25	600.18	600.81	0.61845	-0.4133	-0.04701	0.1974	0.23329
50	600	600.46	601.76	0.58113	599.38	600.47	602.03	0.80097	-0.617	0.00721	0.4684	0.31298
100	599.93	600.26	600.95	0.30768	599.45	600.1	600.94	0.51	-0.6171	-0.16235	0.6724	0.43634

Device Test: 13.29; VTH_SENSE



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

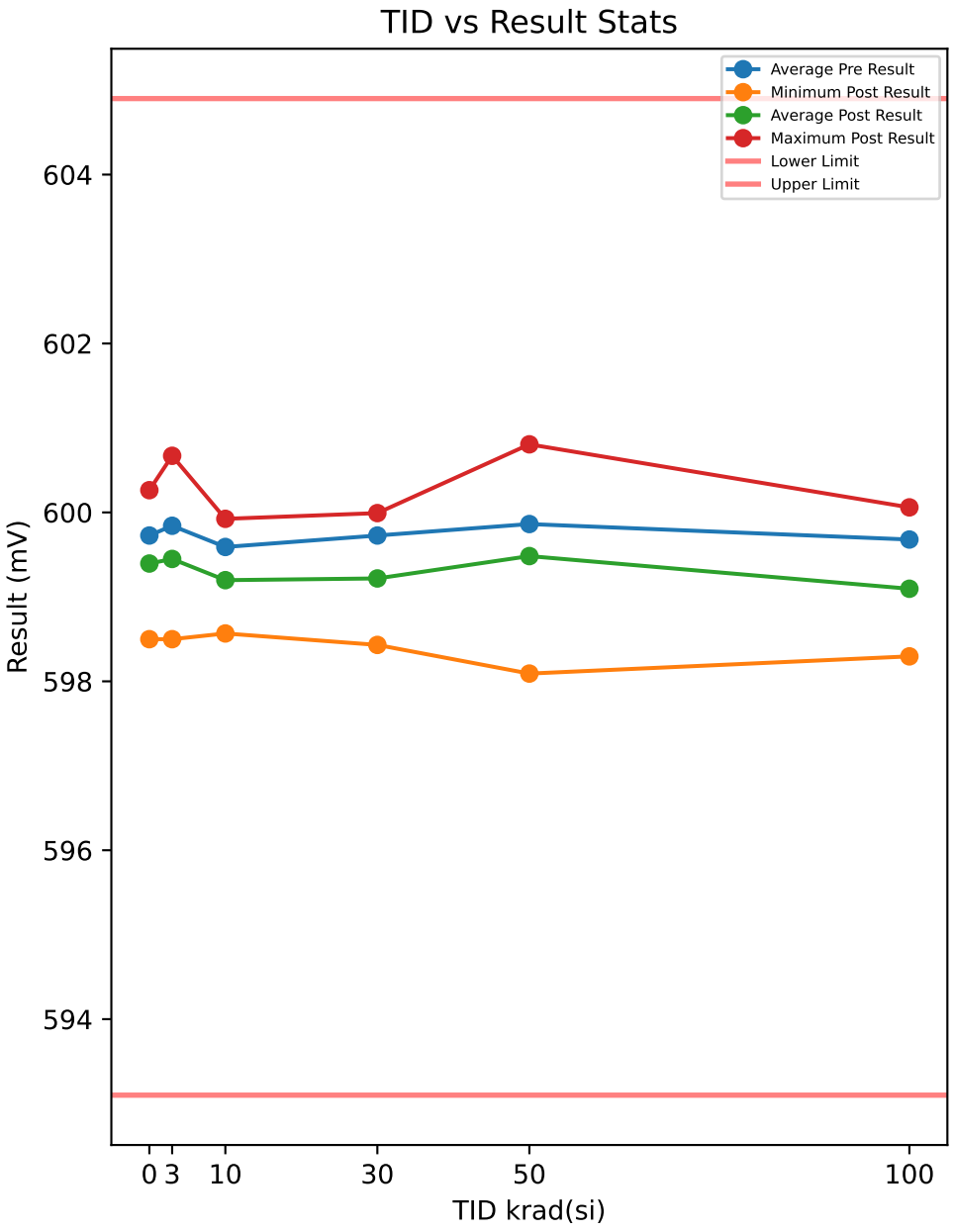
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	599.94	598.3	-1.6402
2	3	Biased	600.21	598.23	-1.9797
3	3	Biased	601.23	599.59	-1.6401
4	3	Biased	600.62	598.71	-1.9117
5	3	Biased	600.69	598.98	-1.7079
6	3	Unbiased	600.35	598.57	-1.776
7	3	Unbiased	600.42	598.91	-1.5043
8	3	Unbiased	599.6	598.16	-1.4364
9	3	Unbiased	601.3	599.59	-1.708
10	3	Unbiased	599.6	597.69	-1.9118
11	10	Biased	599.94	598.1	-1.8439
12	10	Biased	599.19	597.28	-1.9118
13	10	Biased	600.01	598.23	-1.7759
14	10	Biased	600.28	599.12	-1.1648
15	10	Biased	600.55	599.12	-1.4364
16	10	Unbiased	599.19	597.69	-1.5044
17	10	Unbiased	600.01	598.57	-1.4364
18	10	Unbiased	601.37	599.18	-2.1832
19	10	Unbiased	599.33	597.89	-1.4364
20	10	Unbiased	599.13	597.01	-2.1156
21	30	Biased	599.6	597.82	-1.776
22	30	Biased	600.48	598.98	-1.5042
23	30	Biased	601.43	599.66	-1.7758
24	30	Biased	600.08	598.57	-1.5043
25	30	Biased	600.69	599.18	-1.5042
26	30	Unbiased	599.53	597.76	-1.776
27	30	Unbiased	599.19	597.62	-1.5723
28	30	Unbiased	600.82	598.78	-2.0475
29	30	Unbiased	600.35	598.64	-1.708
30	30	Unbiased	599.87	597.76	-2.1155
31	50	Biased	599.74	598.1	-1.6401
32	50	Biased	601.09	599.32	-1.7758
33	50	Biased	599.87	598.16	-1.708
34	50	Biased	599.8	598.16	-1.6401
35	50	Biased	598.99	597.42	-1.5723
36	50	Unbiased	599.19	597.89	-1.3006
37	50	Unbiased	600.01	597.76	-2.2513
38	50	Unbiased	599.8	598.3	-1.5043
39	50	Unbiased	599.47	597.89	-1.5722
40	50	Unbiased	601.23	599.93	-1.3005
41	100	Biased	600.28	598.57	-1.7081
42	100	Biased	600.62	598.44	-2.1833
43	100	Biased	600.62	599.86	-0.7572
44	100	Biased	600.48	599.12	-1.3685
45	100	Biased	599.8	598.23	-1.5722
46	100	Unbiased	600.42	599.45	-0.961
47	100	Unbiased	600.28	598.1	-2.1834
48	100	Unbiased	600.35	598.98	-1.3684
49	100	Unbiased	599.67	598.23	-1.4364
50	100	Unbiased	600.08	597.55	-2.5229
51	0	Correlation	601.03	599.45	-1.5721
52	0	Correlation	601.71	600	-1.7078
53	0	Correlation	599.74	598.16	-1.5722
54	0	Correlation	599.87	598.03	-1.8438
55	0	Correlation	599.6	598.03	-1.5722

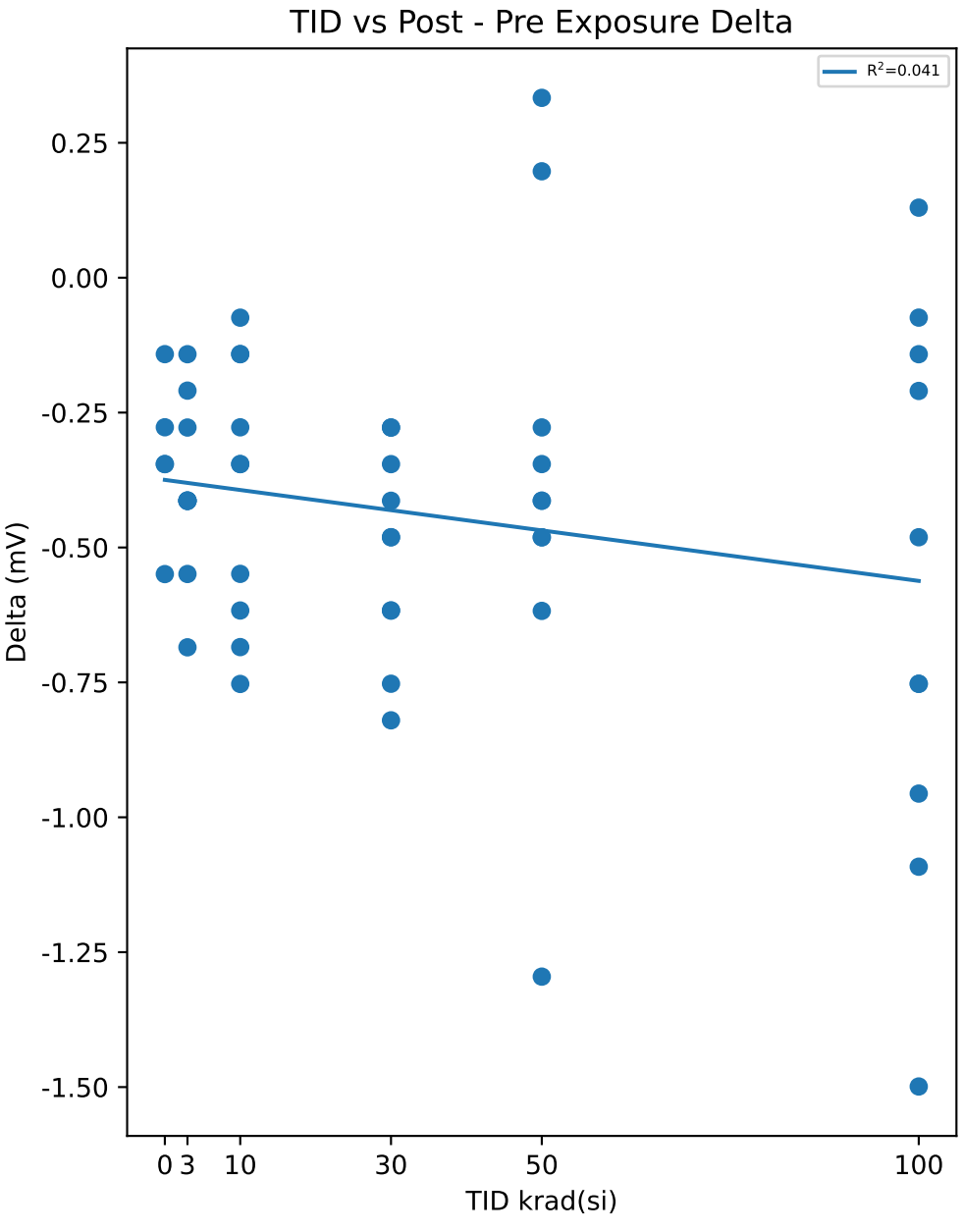


Test Statistics (mV)

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	599.6	600.39	601.71	0.92932	598.03	598.73	600	0.92692	-1.8438	-1.6536	-1.5721	0.12146
3	599.6	600.4	601.3	0.59204	597.69	598.67	599.59	0.61517	-1.9797	-1.7216	-1.4364	0.17767
10	599.13	599.9	601.37	0.72019	597.01	598.22	599.18	0.77482	-2.1832	-1.6809	-1.1648	0.3345
30	599.19	600.21	601.43	0.68239	597.62	598.48	599.66	0.70446	-2.1155	-1.7284	-1.5042	0.21959
50	598.99	599.92	601.23	0.72789	597.42	598.29	599.93	0.75856	-2.2513	-1.6265	-1.3005	0.26936
100	599.67	600.26	600.62	0.3218	597.55	598.65	599.86	0.69537	-2.5229	-1.6061	-0.7572	0.55748

Device Test: 13.3; VTH_SENSE





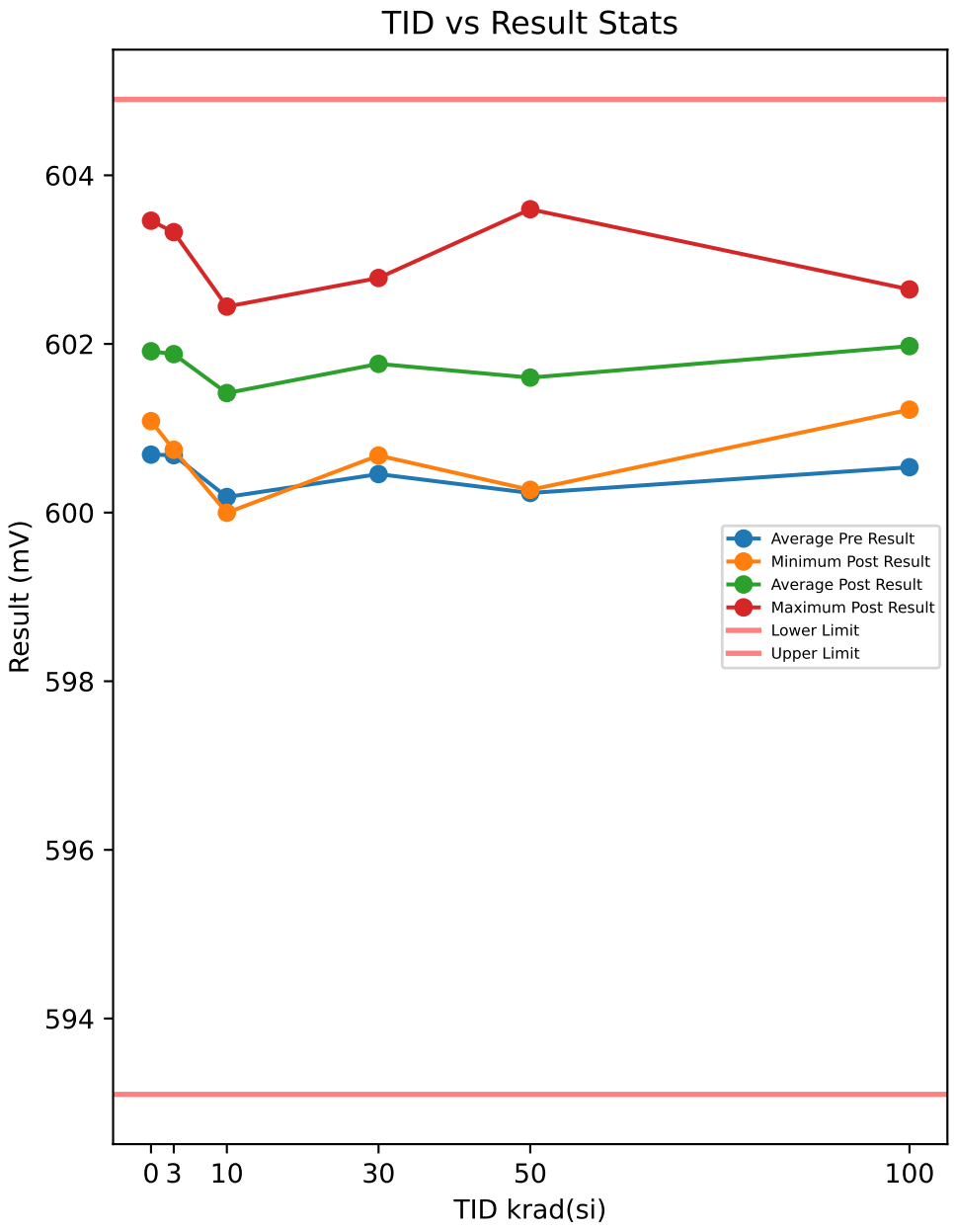
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

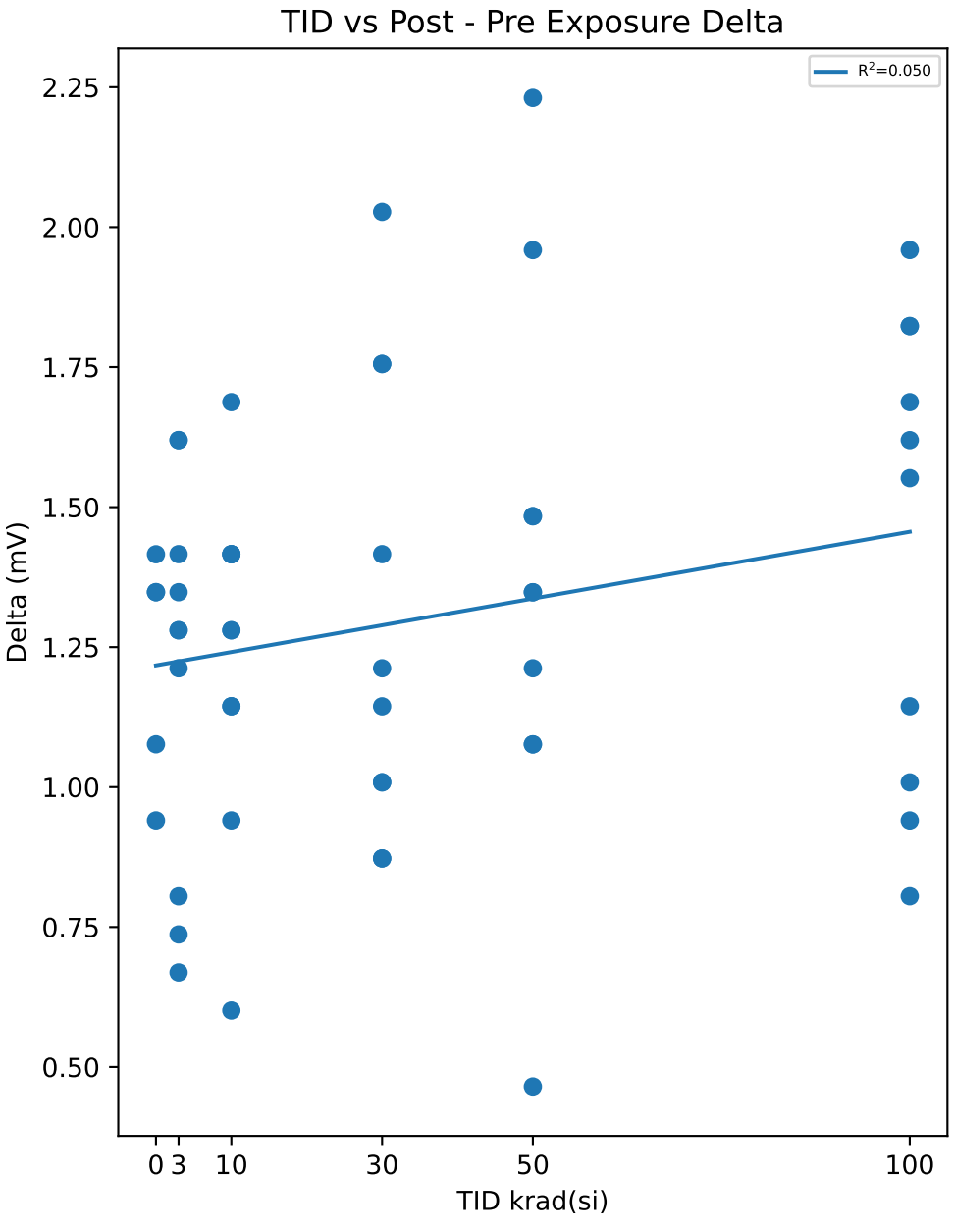
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	598.71	598.5	-0.2093
2	3	Biased	600	599.45	-0.5491
3	3	Biased	601.08	600.67	-0.4138
4	3	Biased	599.66	599.52	-0.1418
5	3	Biased	600	599.58	-0.4134
6	3	Unbiased	600.74	600.06	-0.685
7	3	Unbiased	600.2	599.79	-0.4135
8	3	Unbiased	598.91	598.5	-0.4129
9	3	Unbiased	600.07	599.79	-0.2777
10	3	Unbiased	599.05	598.63	-0.413
11	10	Biased	599.52	598.84	-0.6846
12	10	Biased	599.32	598.77	-0.5489
13	10	Biased	600	599.92	-0.0741
14	10	Biased	600.07	599.72	-0.3455
15	10	Biased	599.86	599.52	-0.3454
16	10	Unbiased	598.71	598.57	-0.1415
17	10	Unbiased	599.52	599.38	-0.1418
18	10	Unbiased	600.54	599.79	-0.7529
19	10	Unbiased	599.05	598.77	-0.2773
20	10	Unbiased	599.32	598.7	-0.6168
21	30	Biased	599.32	598.5	-0.8203
22	30	Biased	599.79	599.31	-0.4811
23	30	Biased	600.34	599.92	-0.4134
24	30	Biased	599.73	599.38	-0.3455
25	30	Biased	600.07	599.79	-0.2777
26	30	Unbiased	599.05	598.43	-0.6166
27	30	Unbiased	599.05	598.57	-0.4809
28	30	Unbiased	600.34	599.72	-0.617
29	30	Unbiased	600.27	599.99	-0.2777
30	30	Unbiased	599.32	598.57	-0.7525
31	50	Biased	599.52	599.25	-0.2775
32	50	Biased	601.42	600.81	-0.6175
33	50	Biased	599.25	598.77	-0.481
34	50	Biased	599.86	599.45	-0.4133
35	50	Biased	599.86	599.45	-0.4133
36	50	Unbiased	599.25	599.58	0.3333
37	50	Unbiased	599.39	598.09	-1.2953
38	50	Unbiased	599.59	599.25	-0.3454
39	50	Unbiased	599.93	599.45	-0.4812
40	50	Unbiased	600.54	600.74	0.1972
41	100	Biased	599.86	598.91	-0.9561
42	100	Biased	599.79	598.3	-1.4989
43	100	Biased	600.27	600.06	-0.2099
44	100	Biased	599.86	599.11	-0.7526
45	100	Biased	599.18	598.7	-0.481
46	100	Unbiased	599.73	599.65	-0.074
47	100	Unbiased	599.73	598.97	-0.7526
48	100	Unbiased	599.39	599.52	0.1298
49	100	Unbiased	599.59	599.45	-0.1418
50	100	Unbiased	599.39	598.3	-1.0916
51	0	Correlation	600.07	599.72	-0.3455
52	0	Correlation	600.81	600.26	-0.5493
53	0	Correlation	599.46	599.31	-0.1417
54	0	Correlation	599.52	599.18	-0.3454
55	0	Correlation	598.78	598.5	-0.2772

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	599.73	600.81	0.76043	598.5	599.39	600.26	0.6551	-0.5493	-0.33182	-0.1417	0.14731
3	598.71	599.84	601.08	0.77467	598.5	599.45	600.67	0.71383	-0.685	-0.39295	-0.1418	0.157
10	598.71	599.59	600.54	0.53736	598.57	599.2	599.92	0.51882	-0.7529	-0.39288	-0.0741	0.24379
30	599.05	599.73	600.34	0.51794	598.43	599.22	599.99	0.64073	-0.8203	-0.50827	-0.2777	0.1897
50	599.25	599.86	601.42	0.67199	598.09	599.48	600.81	0.80941	-1.2953	-0.3794	0.3333	0.44353
100	599.18	599.68	600.27	0.30868	598.3	599.1	600.06	0.58002	-1.4989	-0.58287	0.1298	0.51701

Device Test: 13.30; VTH_SENSE





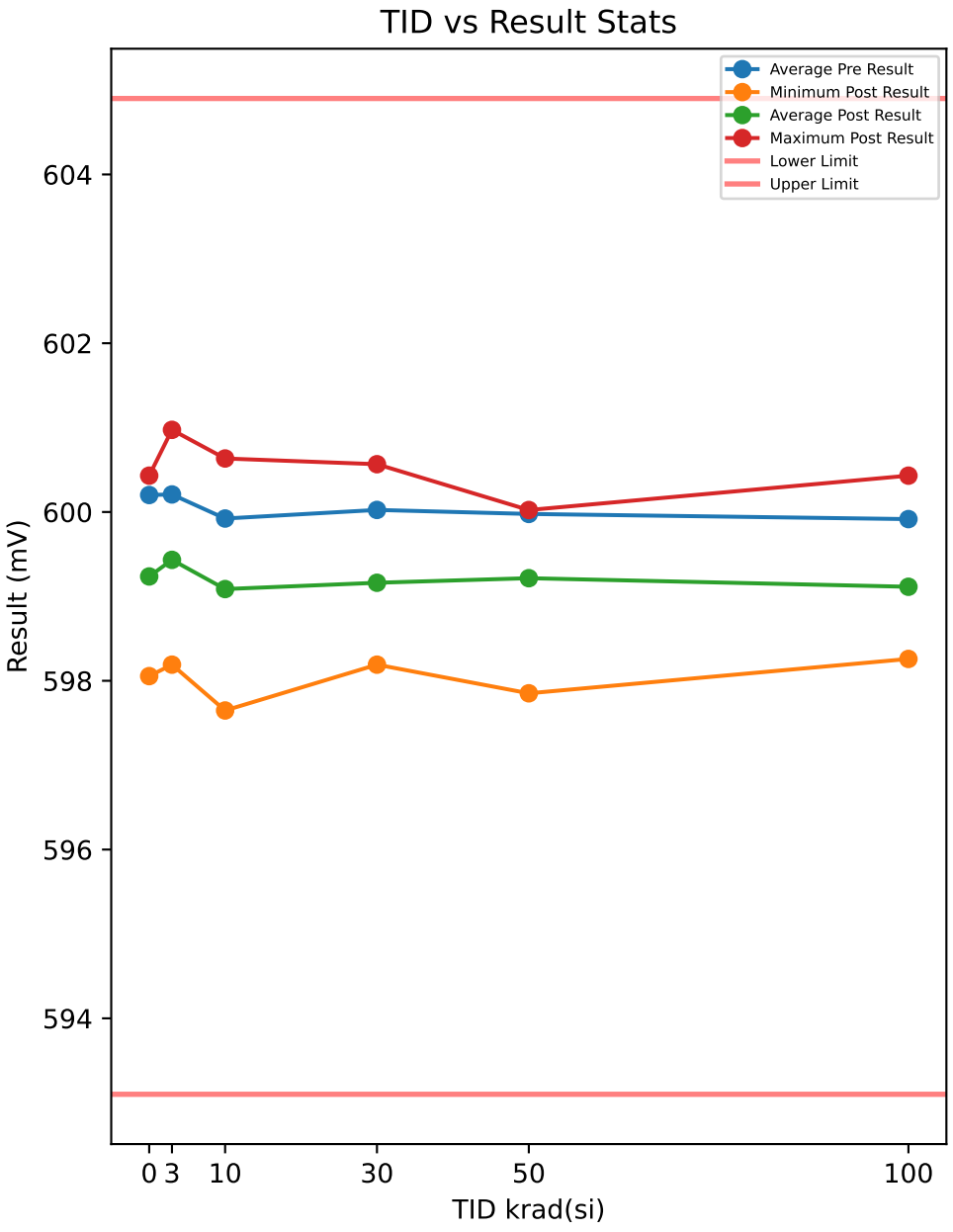
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

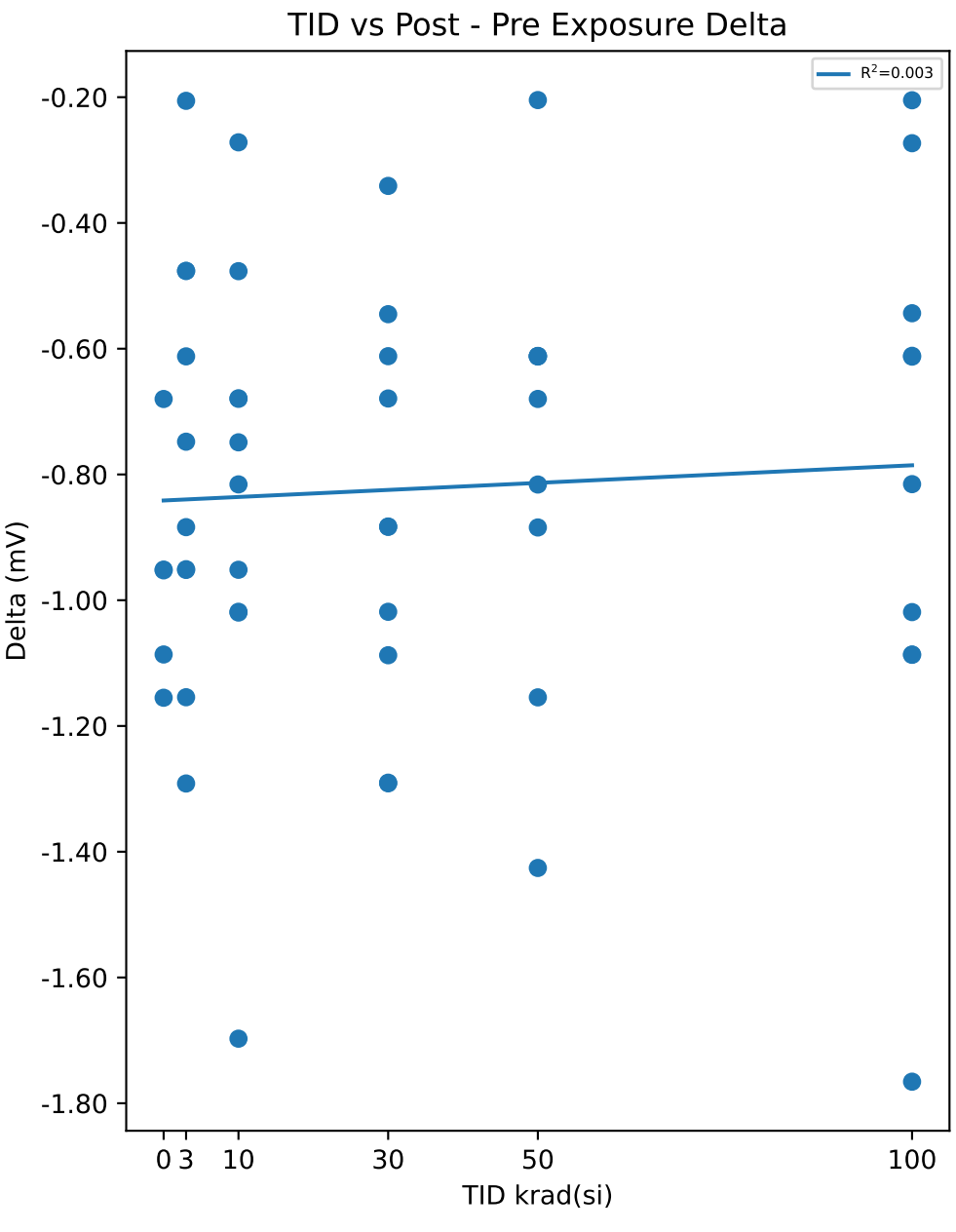
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.21	601.02	0.8047
2	3	Biased	600.48	602.1	1.6196
3	3	Biased	601.71	603.33	1.6199
4	3	Biased	600.82	602.1	1.2801
5	3	Biased	600.82	602.1	1.2801
6	3	Unbiased	600.62	601.29	0.6689
7	3	Unbiased	600.48	601.7	1.2122
8	3	Unbiased	600.08	601.42	1.3481
9	3	Unbiased	601.57	602.99	1.416
10	3	Unbiased	600.01	600.75	0.7368
11	10	Biased	600.08	601.22	1.1443
12	10	Biased	599.47	600.75	1.28
13	10	Biased	600.35	601.63	1.2801
14	10	Biased	600.62	602.31	1.6876
15	10	Biased	600.82	601.97	1.1444
16	10	Unbiased	599.53	600.95	1.4159
17	10	Unbiased	600.42	601.83	1.4159
18	10	Unbiased	601.5	602.44	0.9406
19	10	Unbiased	599.67	601.08	1.4159
20	10	Unbiased	599.4	600	0.6009
21	30	Biased	599.94	600.81	0.8726
22	30	Biased	600.69	602.44	1.7555
23	30	Biased	601.77	602.78	1.0086
24	30	Biased	600.21	601.97	1.7555
25	30	Biased	600.96	602.37	1.416
26	30	Unbiased	599.74	600.95	1.2122
27	30	Unbiased	599.53	600.68	1.1442
28	30	Unbiased	601.03	601.9	0.8727
29	30	Unbiased	600.55	602.58	2.0271
30	30	Unbiased	600.14	601.15	1.0084
31	50	Biased	600.01	601.36	1.348
32	50	Biased	601.23	602.58	1.348
33	50	Biased	600.21	601.42	1.2122
34	50	Biased	600.21	601.29	1.0763
35	50	Biased	599.19	600.27	1.0763
36	50	Unbiased	599.53	601.49	1.9591
37	50	Unbiased	600.42	600.88	0.4652
38	50	Unbiased	600.21	601.7	1.4838
39	50	Unbiased	599.94	601.42	1.4838
40	50	Unbiased	601.37	603.6	2.231
41	100	Biased	600.55	601.7	1.1443
42	100	Biased	601.03	601.83	0.8048
43	100	Biased	600.96	602.58	1.6197
44	100	Biased	600.69	602.65	1.9592
45	100	Biased	600.01	601.7	1.6876
46	100	Unbiased	600.62	602.44	1.8234
47	100	Unbiased	600.35	601.36	1.0084
48	100	Unbiased	600.82	602.37	1.5518
49	100	Unbiased	600.08	601.9	1.8234
50	100	Unbiased	600.28	601.22	0.9405
51	0	Correlation	601.3	602.24	0.9406
52	0	Correlation	602.11	603.46	1.3482
53	0	Correlation	600.01	601.08	1.0764
54	0	Correlation	600.08	601.42	1.3481
55	0	Correlation	599.94	601.36	1.4158

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	599.94	600.69	602.11	0.97463	601.08	601.91	603.46	0.96688	0.9406	1.2258	1.4158	0.20597
3	600.01	600.68	601.71	0.57748	600.75	601.88	603.33	0.82248	0.6689	1.1986	1.6199	0.3475
10	599.4	600.18	601.5	0.68746	600	601.42	602.44	0.75992	0.6009	1.2326	1.6876	0.30041
30	599.53	600.46	601.77	0.68071	600.68	601.76	602.78	0.79713	0.8726	1.3073	2.0271	0.41147
50	599.19	600.23	601.37	0.66844	600.27	601.6	603.6	0.91122	0.4652	1.3684	2.231	0.48663
100	600.01	600.54	601.03	0.35329	601.22	601.97	602.65	0.50865	0.8048	1.4363	1.9592	0.42114

Device Test: 13.31; VTH_SENSE





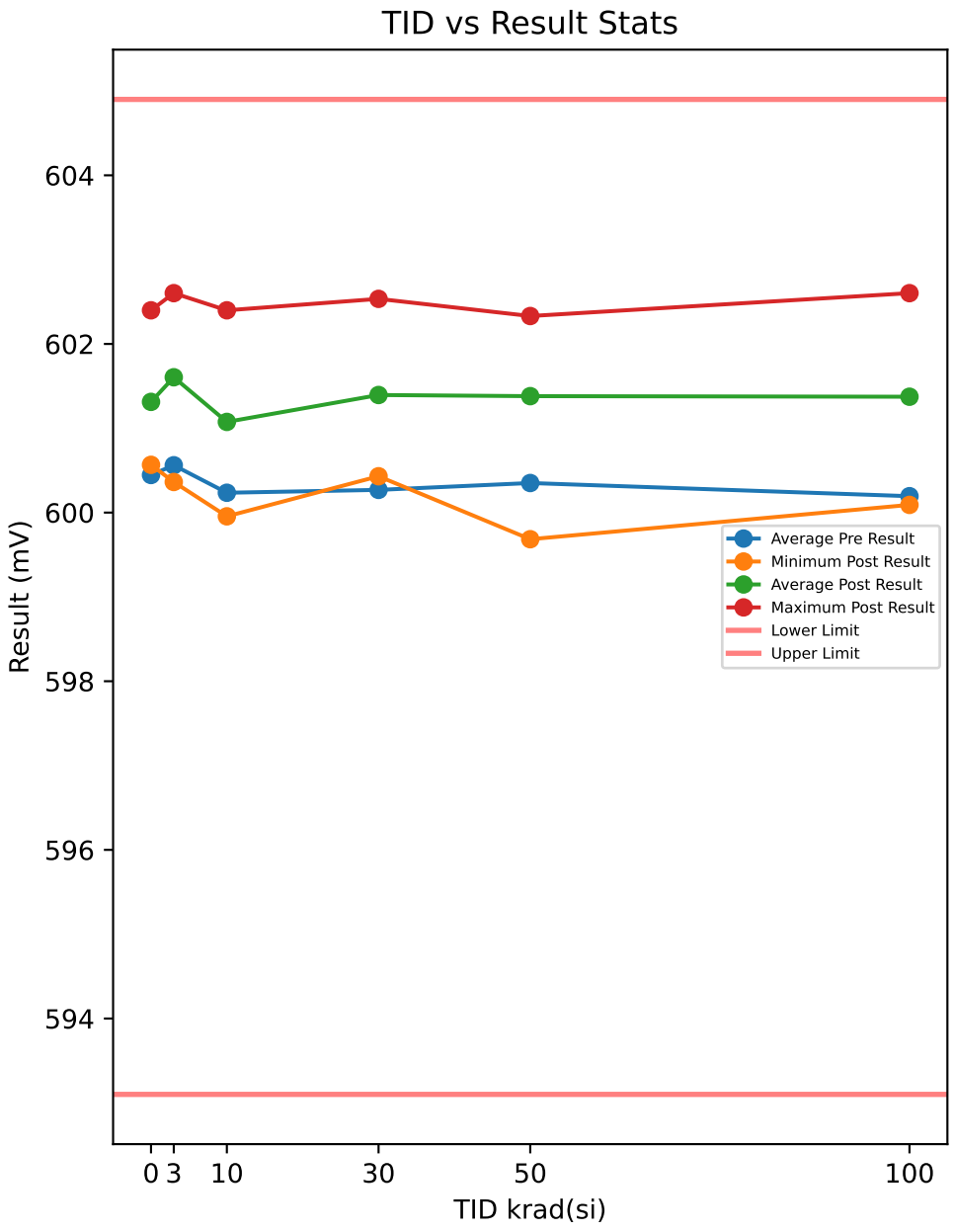
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

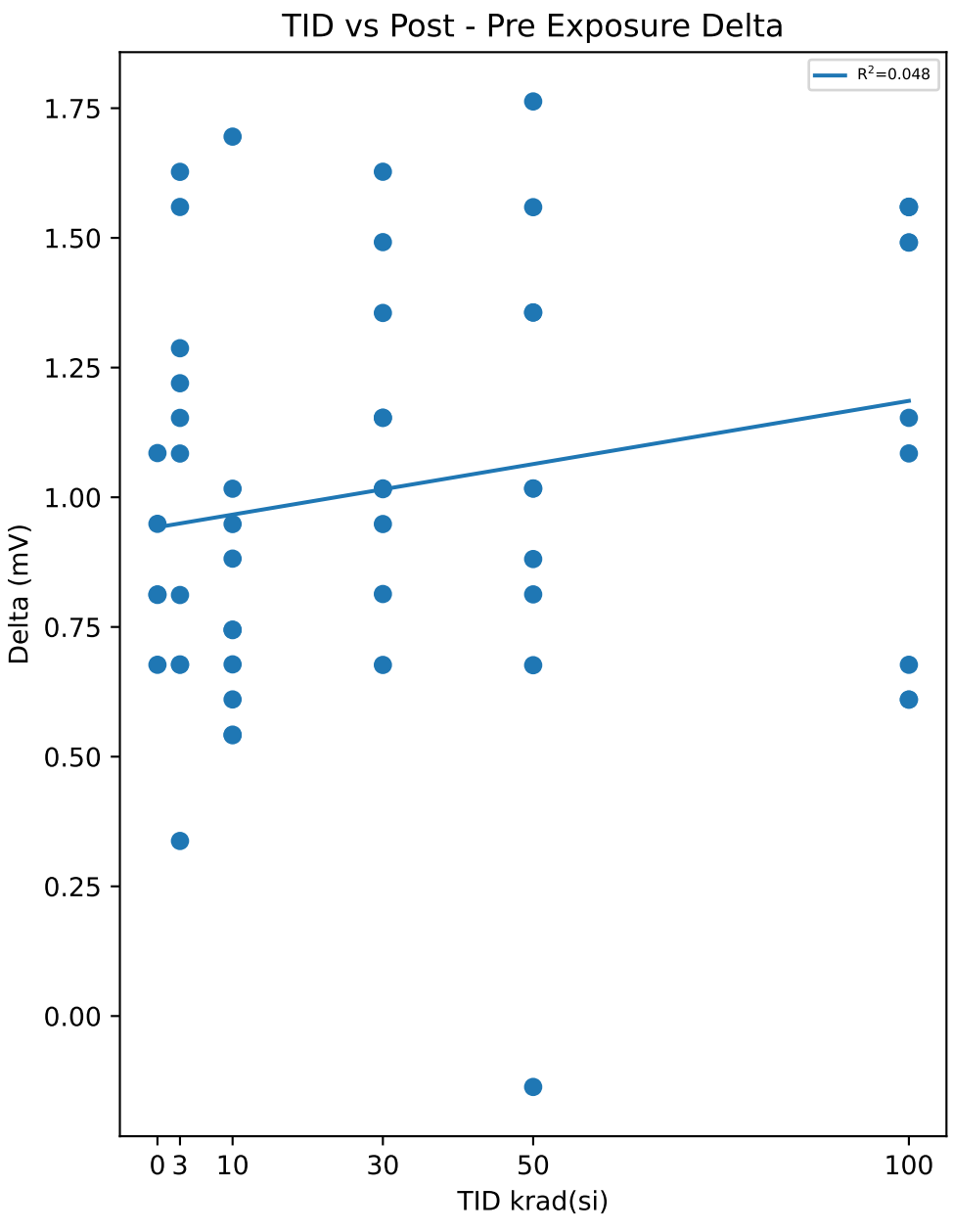
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	599.35	598.19	-1.1543
2	3	Biased	600.91	599.62	-1.2915
3	3	Biased	601.18	600.97	-0.2058
4	3	Biased	600.02	599.55	-0.4763
5	3	Biased	600.36	599.48	-0.8838
6	3	Unbiased	600.5	599.55	-0.9518
7	3	Unbiased	600.23	599.48	-0.7479
8	3	Unbiased	600.09	599.62	-0.4763
9	3	Unbiased	600.16	599.55	-0.6122
10	3	Unbiased	599.28	598.33	-0.9507
11	10	Biased	600.16	599.34	-0.8158
12	10	Biased	599.14	598.12	-1.0184
13	10	Biased	599.89	599.21	-0.6797
14	10	Biased	600.5	600.02	-0.4767
15	10	Biased	600.36	599.34	-1.0196
16	10	Unbiased	599.14	598.87	-0.2718
17	10	Unbiased	600.3	599.34	-0.9516
18	10	Unbiased	601.38	600.63	-0.7489
19	10	Unbiased	599.01	598.33	-0.6789
20	10	Unbiased	599.35	597.65	-1.6973
21	30	Biased	599.35	598.46	-0.8828
22	30	Biased	599.96	599.34	-0.6119
23	30	Biased	601.11	600.57	-0.5451
24	30	Biased	599.89	599.01	-0.8833
25	30	Biased	600.77	600.43	-0.3411
26	30	Unbiased	599.35	598.67	-0.6792
27	30	Unbiased	599.21	598.19	-1.0184
28	30	Unbiased	600.64	599.34	-1.2912
29	30	Unbiased	600.5	599.41	-1.0875
30	30	Unbiased	599.48	598.19	-1.2902
31	50	Biased	599.48	598.87	-0.6115
32	50	Biased	600.91	600.02	-0.8843
33	50	Biased	599.62	598.46	-1.1545
34	50	Biased	599.96	599.34	-0.6119
35	50	Biased	599.82	599.21	-0.6118
36	50	Unbiased	600.09	599.41	-0.6799
37	50	Unbiased	599.28	597.85	-1.4258
38	50	Unbiased	599.82	599.62	-0.2046
39	50	Unbiased	600.43	599.82	-0.6124
40	50	Unbiased	600.36	599.55	-0.816
41	100	Biased	599.35	598.73	-0.6113
42	100	Biased	599.35	598.26	-1.0864
43	100	Biased	600.7	600.43	-0.2732
44	100	Biased	600.16	599.96	-0.2049
45	100	Biased	599.89	599.07	-0.8154
46	100	Unbiased	600.7	600.09	-0.6126
47	100	Unbiased	599.82	598.73	-1.0868
48	100	Unbiased	599.68	598.67	-1.0189
49	100	Unbiased	599.48	598.94	-0.5436
50	100	Unbiased	600.02	598.26	-1.7657
51	0	Correlation	600.23	599.07	-1.1551
52	0	Correlation	601.38	600.43	-0.9525
53	0	Correlation	600.16	599.48	-0.68
54	0	Correlation	600.09	599.14	-0.9513
55	0	Correlation	599.14	598.06	-1.0863

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	600.2	601.38	0.79597	598.06	599.24	600.43	0.85394	-1.1551	-0.96504	-0.68	0.18195
3	599.28	600.21	601.18	0.59655	598.19	599.43	600.97	0.76387	-1.2915	-0.77506	-0.2058	0.3357
10	599.01	599.92	601.38	0.76404	597.65	599.09	600.63	0.88883	-1.6973	-0.83587	-0.2718	0.38394
30	599.21	600.02	601.11	0.6868	598.19	599.16	600.57	0.84043	-1.2912	-0.86307	-0.3411	0.31824
50	599.28	599.98	600.91	0.48886	597.85	599.22	600.02	0.65757	-1.4258	-0.76127	-0.2046	0.33667
100	599.35	599.92	600.7	0.49629	598.26	599.11	600.43	0.77328	-1.7657	-0.80188	-0.2049	0.46105

Device Test: 13.32; VTH_SENSE





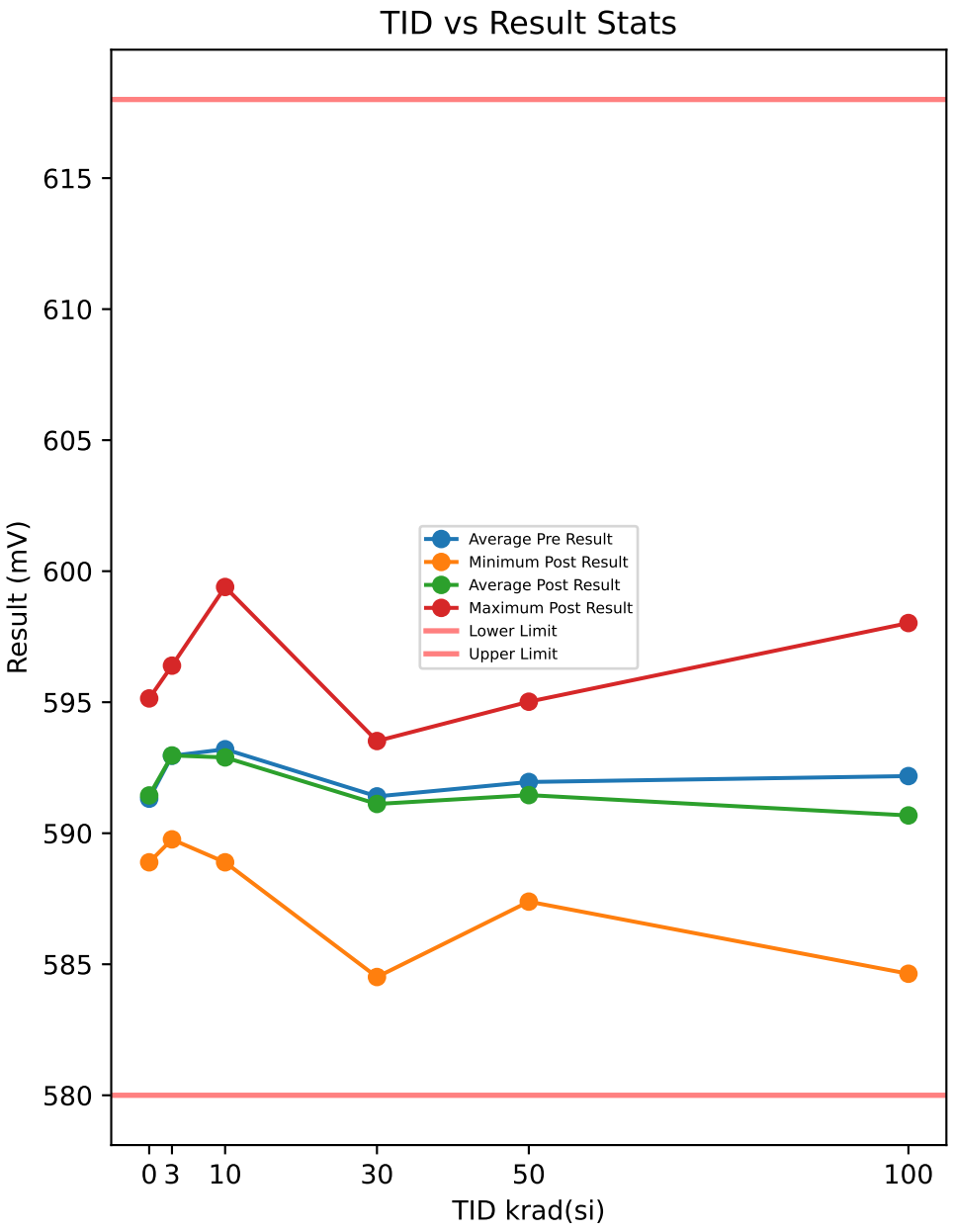
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

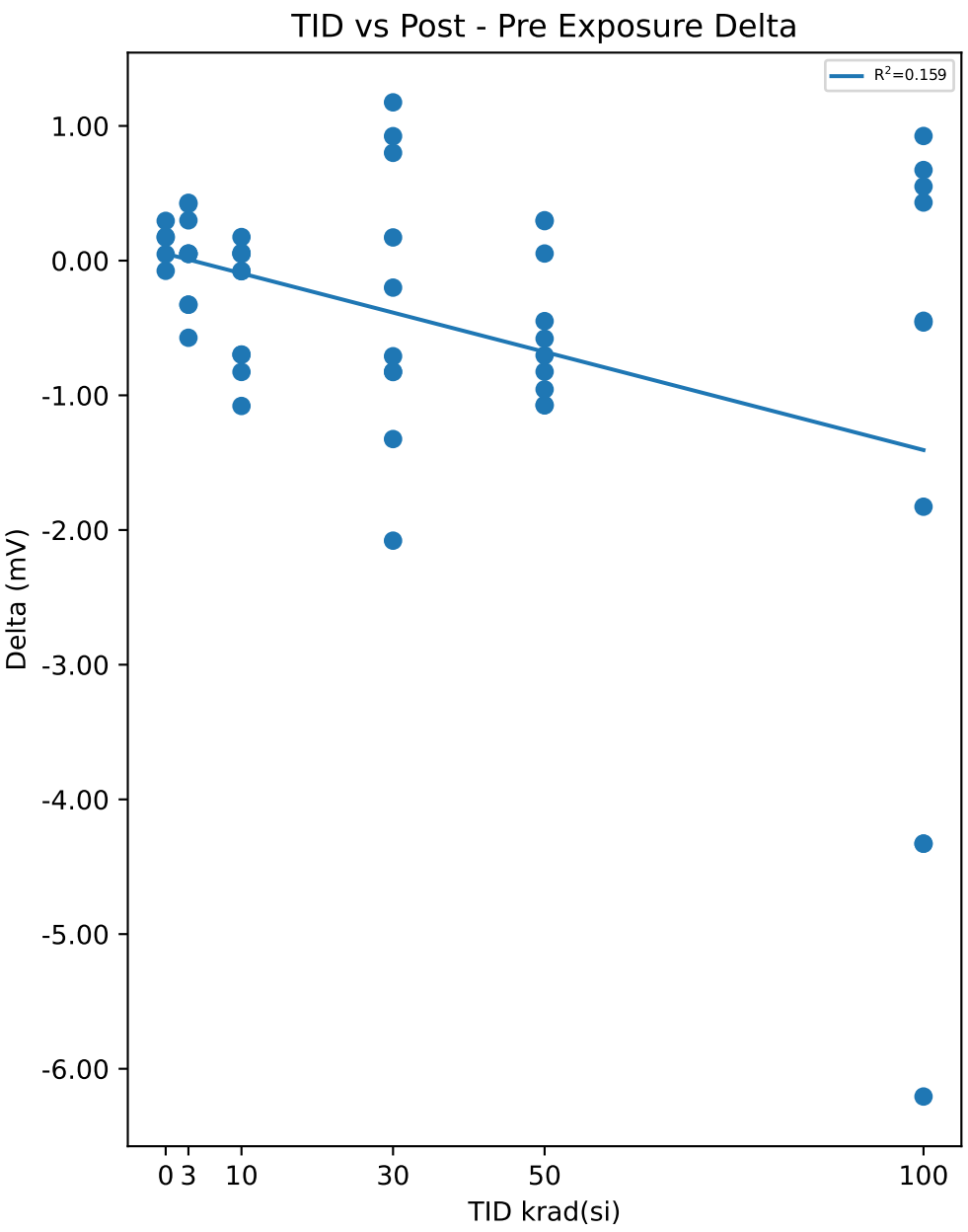
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	599.68	600.36	0.6778
2	3	Biased	601.18	602.47	1.2873
3	3	Biased	601.79	602.6	0.8116
4	3	Biased	600.5	602.13	1.6273
5	3	Biased	600.77	601.99	1.2198
6	3	Unbiased	600.84	601.18	0.3375
7	3	Unbiased	600.5	601.18	0.6771
8	3	Unbiased	600.3	601.86	1.5596
9	3	Unbiased	600.43	601.52	1.0843
10	3	Unbiased	599.62	600.77	1.153
11	10	Biased	600.43	601.45	1.0165
12	10	Biased	599.62	600.29	0.6779
13	10	Biased	600.43	602.13	1.6952
14	10	Biased	600.77	601.72	0.9484
15	10	Biased	600.64	601.18	0.5413
16	10	Unbiased	599.41	600.29	0.8817
17	10	Unbiased	600.64	601.38	0.7449
18	10	Unbiased	601.65	602.4	0.7439
19	10	Unbiased	599.35	599.96	0.6103
20	10	Unbiased	599.41	599.96	0.5424
21	30	Biased	599.68	600.7	1.0171
22	30	Biased	600.16	601.65	1.4918
23	30	Biased	601.52	602.53	1.0156
24	30	Biased	600.16	601.79	1.6275
25	30	Biased	601.04	602.4	1.3553
26	30	Unbiased	599.48	600.63	1.1531
27	30	Unbiased	599.28	600.43	1.1533
28	30	Unbiased	600.84	601.52	0.6768
29	30	Unbiased	600.7	601.65	0.9484
30	30	Unbiased	599.82	600.63	0.8135
31	50	Biased	600.09	601.45	1.3562
32	50	Biased	601.38	602.06	0.6763
33	50	Biased	599.89	600.91	1.017
34	50	Biased	600.23	601.11	0.8809
35	50	Biased	600.09	601.45	1.3562
36	50	Unbiased	600.5	602.26	1.763
37	50	Unbiased	599.82	599.68	-0.1367
38	50	Unbiased	600.09	601.11	1.0168
39	50	Unbiased	600.64	601.45	0.8128
40	50	Unbiased	600.77	602.33	1.5592
41	100	Biased	599.48	600.63	1.1531
42	100	Biased	599.48	600.09	0.6101
43	100	Biased	600.84	602.33	1.4913
44	100	Biased	600.77	602.33	1.5592
45	100	Biased	600.16	601.72	1.5597
46	100	Unbiased	601.11	602.6	1.4909
47	100	Unbiased	600.16	601.25	1.0845
48	100	Unbiased	599.75	601.31	1.5601
49	100	Unbiased	599.82	600.43	0.6099
50	100	Unbiased	600.36	601.04	0.6771
51	0	Correlation	600.43	601.25	0.8128
52	0	Correlation	601.59	602.4	0.8118
53	0	Correlation	600.5	601.18	0.6771
54	0	Correlation	600.23	601.18	0.9488
55	0	Correlation	599.48	600.57	1.0852

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	599.48	600.45	601.59	0.75551	600.57	601.31	602.4	0.66669	0.6771	0.86714	1.0852	0.1552
3	599.62	600.56	601.79	0.64718	600.36	601.6	602.6	0.73309	0.3375	1.0435	1.6273	0.41252
10	599.35	600.24	601.65	0.76214	599.96	601.08	602.4	0.8971	0.5413	0.84025	1.6952	0.34175
30	599.28	600.27	601.52	0.73383	600.43	601.39	602.53	0.7583	0.6768	1.1252	1.6275	0.2971
50	599.82	600.35	601.38	0.47799	599.68	601.38	602.33	0.77515	-0.1367	1.0302	1.763	0.53606
100	599.48	600.19	601.11	0.57484	600.09	601.37	602.6	0.86112	0.6099	1.1796	1.5601	0.41346

Device Test: 13.33; VTH_SR_UVLO_RISE





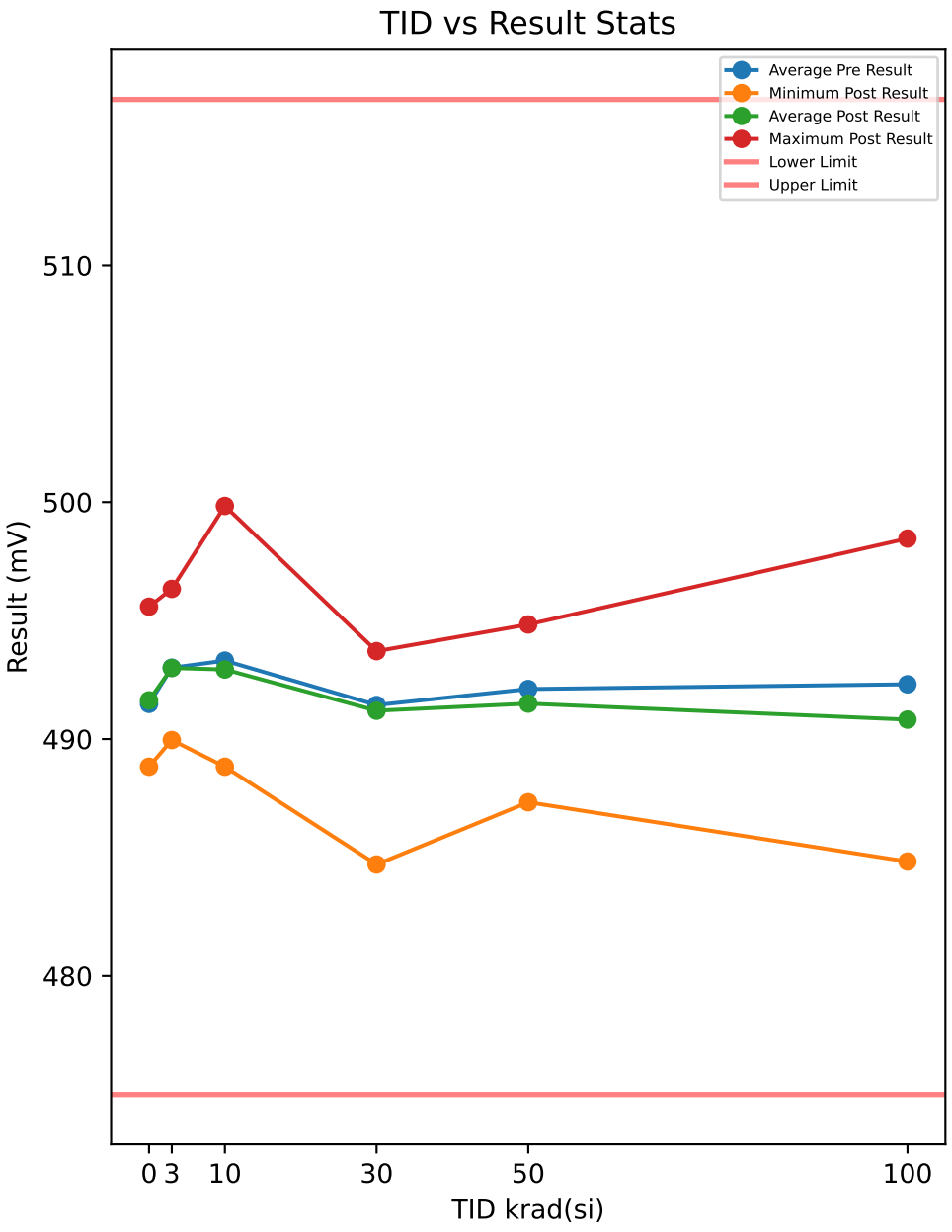
Test Results (Lower Limit = 580.0, Upper Limit = 618.0 (mV))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	592.47	592.52	0.0496
2	3	Biased	594.84	594.27	-0.5727
3	3	Biased	595.22	595.27	0.053
4	3	Biased	593.59	593.64	0.051
5	3	Biased	591.84	592.14	0.299
6	3	Unbiased	591.09	590.77	-0.3273
7	3	Unbiased	595.97	596.39	0.4293
8	3	Unbiased	589.34	589.77	0.4209
9	3	Unbiased	591.47	591.14	-0.3269
10	3	Unbiased	593.72	593.77	0.0512
11	10	Biased	595.22	594.52	-0.6974
12	10	Biased	593.84	593.89	0.0513
13	10	Biased	594.84	594.14	-0.6978
14	10	Biased	591.97	591.14	-0.8266
15	10	Biased	590.97	590.89	-0.0773
16	10	Unbiased	599.34	599.4	0.0583
17	10	Unbiased	589.97	588.89	-1.0791
18	10	Unbiased	589.97	589.89	-0.0786
19	10	Unbiased	593.22	593.27	0.0505
20	10	Unbiased	592.72	592.89	0.175
21	30	Biased	592.59	593.39	0.8002
22	30	Biased	591.34	590.52	-0.8273
23	30	Biased	594.09	593.27	-0.8239
24	30	Biased	590.47	588.39	-2.0791
25	30	Biased	593.59	592.27	-1.3248
26	30	Unbiased	592.47	592.27	-0.2005
27	30	Unbiased	585.22	584.51	-0.7099
28	30	Unbiased	592.34	593.52	1.1751
29	30	Unbiased	590.34	590.52	0.172
30	30	Unbiased	591.59	592.52	0.924
31	50	Biased	590.34	589.64	-0.7035
32	50	Biased	594.97	595.02	0.0527
33	50	Biased	593.59	592.52	-1.0747
34	50	Biased	593.72	592.89	-0.8243
35	50	Biased	588.35	587.39	-0.9561
36	50	Unbiased	592.47	592.77	0.2998
37	50	Unbiased	595.59	594.52	-1.0722
38	50	Unbiased	589.59	589.02	-0.5794
39	50	Unbiased	593.72	593.27	-0.4491
40	50	Unbiased	587.22	587.51	0.2932
41	100	Biased	592.59	593.52	0.9252
42	100	Biased	590.84	584.64	-6.206
43	100	Biased	591.97	590.14	-1.8271
44	100	Biased	592.34	588.01	-4.3281
45	100	Biased	591.59	587.26	-4.329
46	100	Unbiased	597.59	598.02	0.4313
47	100	Unbiased	592.97	593.52	0.5505
48	100	Unbiased	595.84	595.39	-0.4465
49	100	Unbiased	590.59	591.27	0.6726
50	100	Unbiased	585.47	585.01	-0.4594
51	0	Correlation	589.84	590.02	0.1714
52	0	Correlation	590.97	591.02	0.0478
53	0	Correlation	594.97	595.14	0.1778
54	0	Correlation	588.6	588.89	0.295
55	0	Correlation	592.22	592.14	-0.0757

Test Statistics (mV)

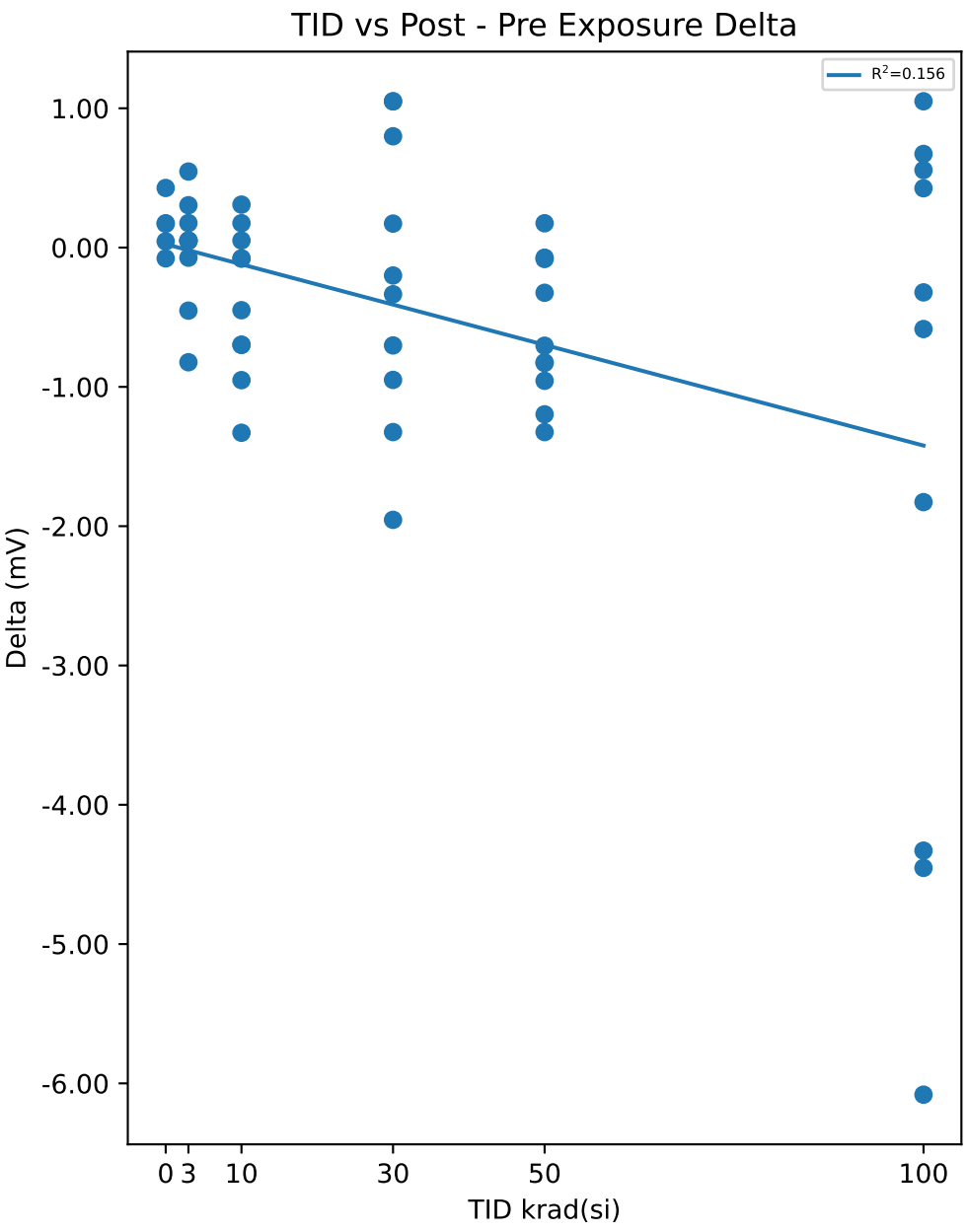
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	588.6	591.32	594.97	2.4405	588.89	591.44	595.14	2.3938	-0.0757	0.12326	0.295	0.14148
3	589.34	592.96	595.97	2.079	589.77	592.97	596.39	2.0855	-0.5727	0.01271	0.4293	0.33362
10	589.97	593.2	599.34	2.8372	588.89	592.89	599.4	2.9767	-1.0791	-0.31217	0.175	0.45921
30	585.22	591.41	594.09	2.4874	584.51	591.12	593.52	2.8275	-2.0791	-0.28942	1.1751	1.0568
50	587.22	591.96	595.59	2.8875	587.39	591.45	595.02	2.8204	-1.0747	-0.50136	0.2998	0.53702
100	585.47	592.18	597.59	3.2173	584.64	590.68	598.02	4.4751	-6.206	-1.5016	0.9252	2.56

Device Test: 13.34; VTH_SR_UVLO_FALL



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

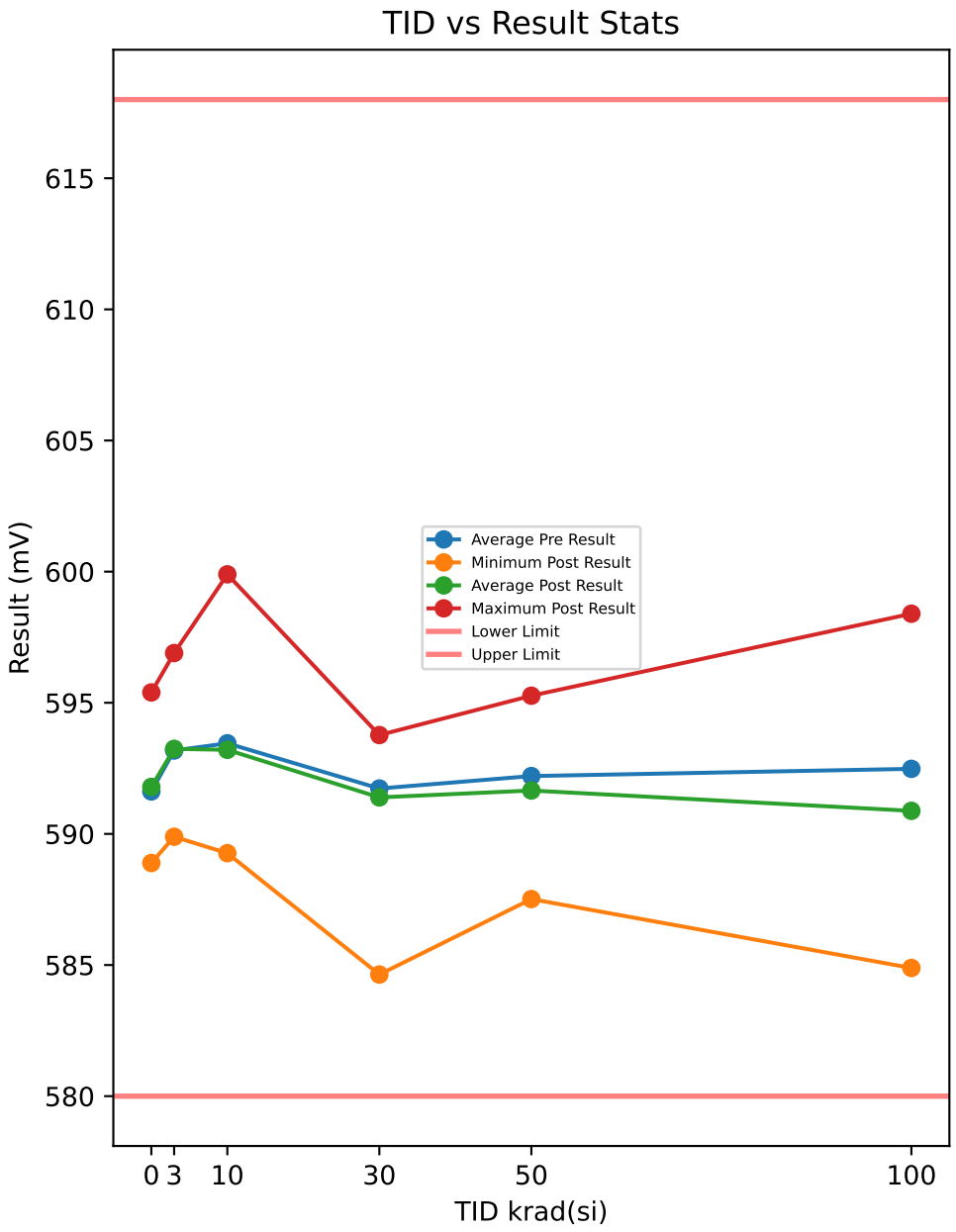
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	492.79	492.83	0.0497
2	3	Biased	494.78	493.96	-0.8232
3	3	Biased	495.16	495.09	-0.0724
4	3	Biased	493.91	493.96	0.0512
5	3	Biased	491.79	491.83	0.0485
6	3	Unbiased	491.04	490.58	-0.4527
7	3	Unbiased	496.03	496.34	0.3039
8	3	Unbiased	489.41	489.96	0.5458
9	3	Unbiased	491.41	491.46	0.048
10	3	Unbiased	493.78	493.96	0.1761
11	10	Biased	495.16	494.46	-0.6978
12	10	Biased	493.91	493.96	0.0512
13	10	Biased	494.66	493.96	-0.6983
14	10	Biased	492.16	491.21	-0.9516
15	10	Biased	491.04	490.96	-0.0775
16	10	Unbiased	499.53	499.84	0.3084
17	10	Unbiased	490.16	488.83	-1.3293
18	10	Unbiased	489.91	489.83	-0.0789
19	10	Unbiased	493.53	493.08	-0.4496
20	10	Unbiased	493.03	493.21	0.1751
21	30	Biased	492.66	493.71	1.0502
22	30	Biased	491.41	490.71	-0.7024
23	30	Biased	494.03	492.71	-1.3245
24	30	Biased	490.29	488.33	-1.9545
25	30	Biased	493.41	492.46	-0.95
26	30	Unbiased	492.79	492.58	-0.2004
27	30	Unbiased	485.04	484.7	-0.3352
28	30	Unbiased	492.29	493.33	1.0497
29	30	Unbiased	490.66	490.83	0.1722
30	30	Unbiased	491.79	492.58	0.799
31	50	Biased	490.66	489.83	-0.8284
32	50	Biased	494.91	494.84	-0.0726
33	50	Biased	493.91	492.58	-1.3246
34	50	Biased	494.03	493.21	-0.8242
35	50	Biased	488.41	487.46	-0.9563
36	50	Unbiased	492.66	492.83	0.1747
37	50	Unbiased	495.91	494.71	-1.1971
38	50	Unbiased	489.66	488.96	-0.7046
39	50	Unbiased	493.53	493.21	-0.3245
40	50	Unbiased	487.41	487.33	-0.0821
41	100	Biased	492.79	493.84	1.0503
42	100	Biased	490.91	484.83	-6.0811
43	100	Biased	492.04	490.21	-1.8273
44	100	Biased	492.66	488.21	-4.453
45	100	Biased	491.54	487.21	-4.3293
46	100	Unbiased	497.91	498.46	0.5564
47	100	Unbiased	493.41	493.84	0.4258
48	100	Unbiased	495.91	495.59	-0.3216
49	100	Unbiased	490.54	491.21	0.6723
50	100	Unbiased	485.41	484.83	-0.5848
51	0	Correlation	490.04	490.21	0.1714
52	0	Correlation	491.04	490.96	-0.0775
53	0	Correlation	495.16	495.59	0.4279
54	0	Correlation	488.79	488.83	0.0447
55	0	Correlation	492.41	492.58	0.1744



Test Statistics (mV)

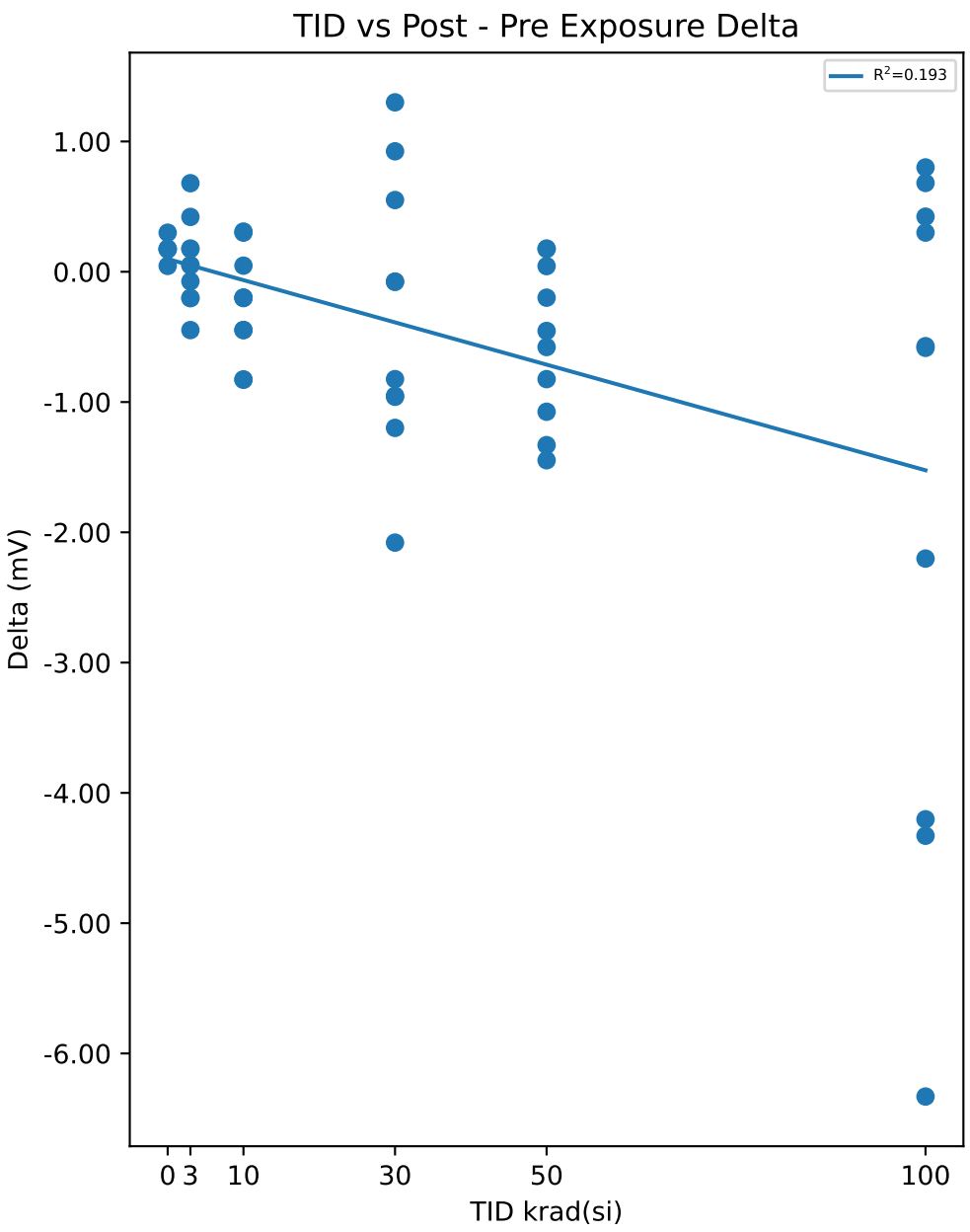
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	488.79	491.49	495.16	2.4456	488.83	491.63	495.59	2.5914	-0.0775	0.14818	0.4279	0.18782
3	489.41	493.01	496.03	2.0884	489.96	493	496.34	2.0305	-0.8232	-0.01251	0.5458	0.38258
10	489.91	493.31	499.53	2.8356	488.83	492.93	499.84	3.0828	-1.3293	-0.37483	0.3084	0.53592
30	485.04	491.44	494.03	2.5306	484.7	491.2	493.71	2.7758	-1.9545	-0.23959	1.0502	1.0232
50	487.41	492.11	495.91	2.8933	487.33	491.5	494.84	2.8521	-1.3246	-0.61397	0.1747	0.51016
100	485.41	492.31	497.91	3.319	484.83	490.82	498.46	4.6126	-6.0811	-1.4892	1.0503	2.5648

Device Test: 13.36; VTH_SR_UVLO_RISE



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

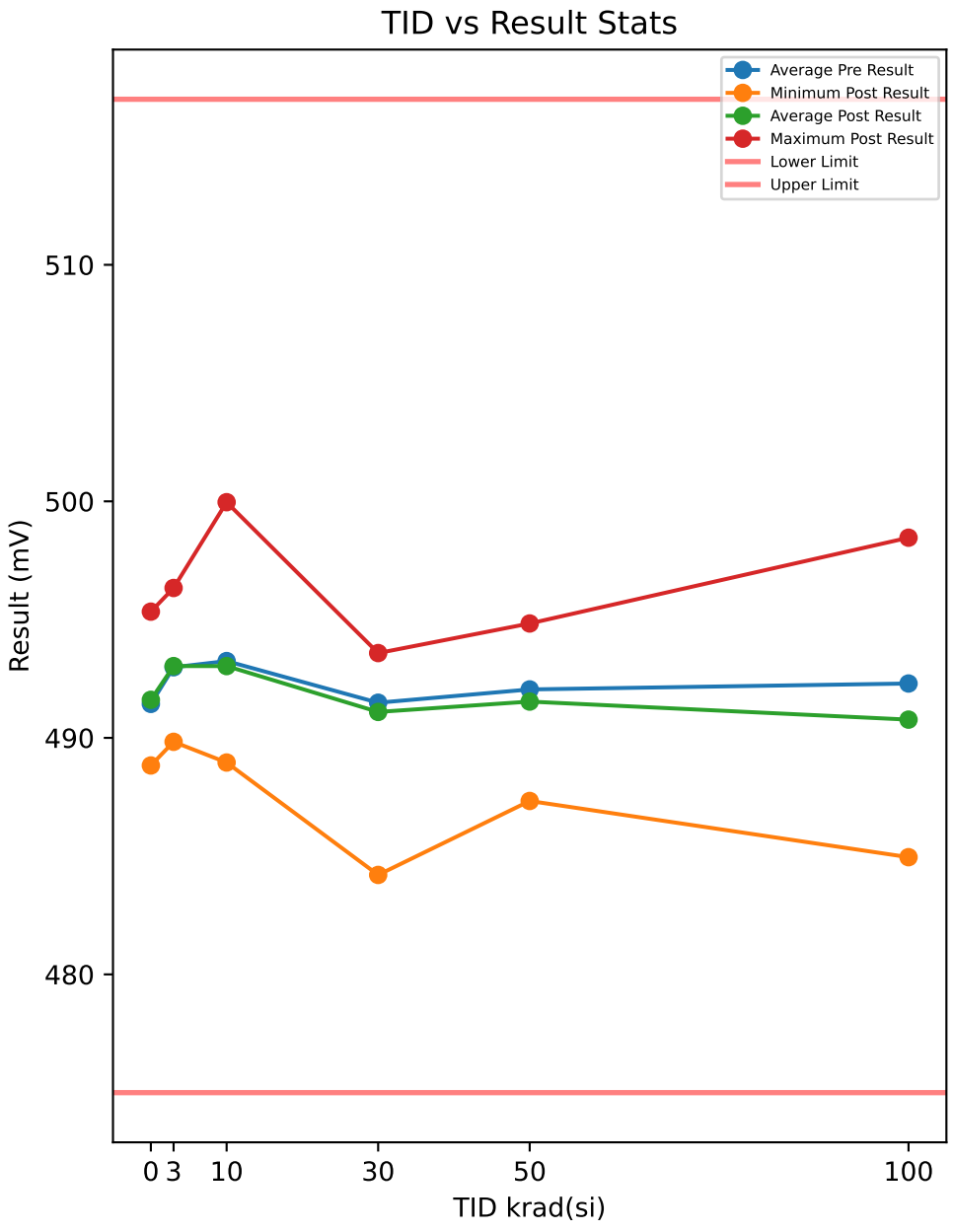
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	592.72	592.89	0.175
2	3	Biased	594.97	594.52	-0.4476
3	3	Biased	595.34	595.52	0.1782
4	3	Biased	593.97	593.89	-0.0736
5	3	Biased	592.34	592.39	0.0495
6	3	Unbiased	591.22	591.02	-0.2021
7	3	Unbiased	596.22	596.89	0.6797
8	3	Unbiased	589.47	589.89	0.421
9	3	Unbiased	591.72	591.52	-0.2014
10	3	Unbiased	593.84	593.89	0.0513
11	10	Biased	595.47	595.02	-0.4469
12	10	Biased	594.34	594.14	-0.1982
13	10	Biased	594.97	594.52	-0.4476
14	10	Biased	592.22	591.39	-0.8262
15	10	Biased	591.22	591.02	-0.2021
16	10	Unbiased	599.59	599.9	0.3086
17	10	Unbiased	590.09	589.27	-0.8289
18	10	Unbiased	590.34	590.39	0.0469
19	10	Unbiased	593.47	593.27	-0.1993
20	10	Unbiased	592.84	593.14	0.3002
21	30	Biased	592.97	593.52	0.5505
22	30	Biased	591.72	590.77	-0.9518
23	30	Biased	594.59	593.39	-1.1984
24	30	Biased	590.59	588.52	-2.079
25	30	Biased	593.84	593.02	-0.8241
26	30	Unbiased	592.72	592.64	-0.0752
27	30	Unbiased	585.6	584.64	-0.9596
28	30	Unbiased	592.47	593.77	1.3004
29	30	Unbiased	590.84	590.77	-0.0774
30	30	Unbiased	591.97	592.89	0.9245
31	50	Biased	590.72	590.14	-0.5779
32	50	Biased	595.09	595.27	0.178
33	50	Biased	593.72	592.64	-1.0745
34	50	Biased	593.97	593.14	-0.824
35	50	Biased	588.85	587.51	-1.3307
36	50	Unbiased	592.72	592.89	0.175
37	50	Unbiased	595.97	594.52	-1.4468
38	50	Unbiased	589.72	589.27	-0.4542
39	50	Unbiased	593.72	593.52	-0.199
40	50	Unbiased	587.6	587.64	0.0435
41	100	Biased	592.97	593.77	0.8007
42	100	Biased	591.22	584.89	-6.3307
43	100	Biased	592.47	590.27	-2.2016
44	100	Biased	592.72	588.52	-4.2026
45	100	Biased	591.59	587.26	-4.329
46	100	Unbiased	597.71	598.4	0.6815
47	100	Unbiased	593.22	593.52	0.3006
48	100	Unbiased	596.22	595.64	-0.5711
49	100	Unbiased	590.97	591.39	0.423
50	100	Unbiased	585.72	585.14	-0.5842
51	0	Correlation	590.34	590.52	0.172
52	0	Correlation	591.22	591.39	0.1731
53	0	Correlation	595.22	595.39	0.1781
54	0	Correlation	588.85	588.89	0.0451
55	0	Correlation	592.47	592.77	0.2998

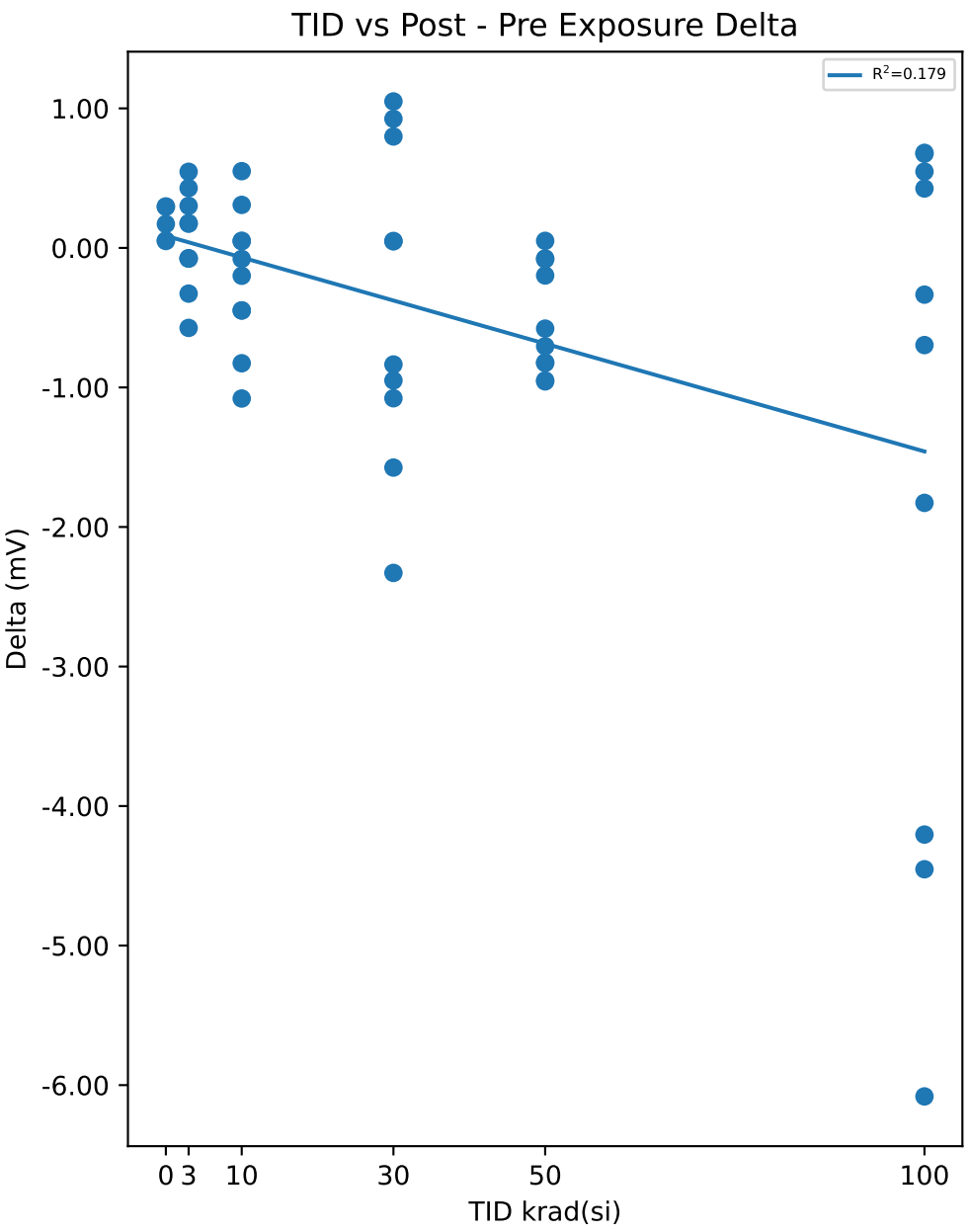


Test Statistics (mV)

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	588.85	591.62	595.22	2.4051	588.89	591.79	595.39	2.4563	0.0451	0.17362	0.2998	0.090086
3	589.47	593.18	596.22	2.0761	589.89	593.24	596.89	2.1346	-0.4476	0.063	0.6797	0.32561
10	590.09	593.45	599.59	2.8403	589.27	593.21	599.9	3.0221	-0.8289	-0.24935	0.3086	0.40213
30	585.6	591.73	594.59	2.4819	584.64	591.39	593.77	2.8926	-2.079	-0.33901	1.3004	1.0528
50	587.6	592.21	595.97	2.8151	587.51	591.65	595.27	2.8032	-1.4468	-0.55106	0.178	0.60598
100	585.72	592.48	597.71	3.2061	584.89	590.88	598.4	4.5051	-6.3307	-1.6013	0.8007	2.5326

Device Test: 13.37; VTH_SR_UVLO_FALL





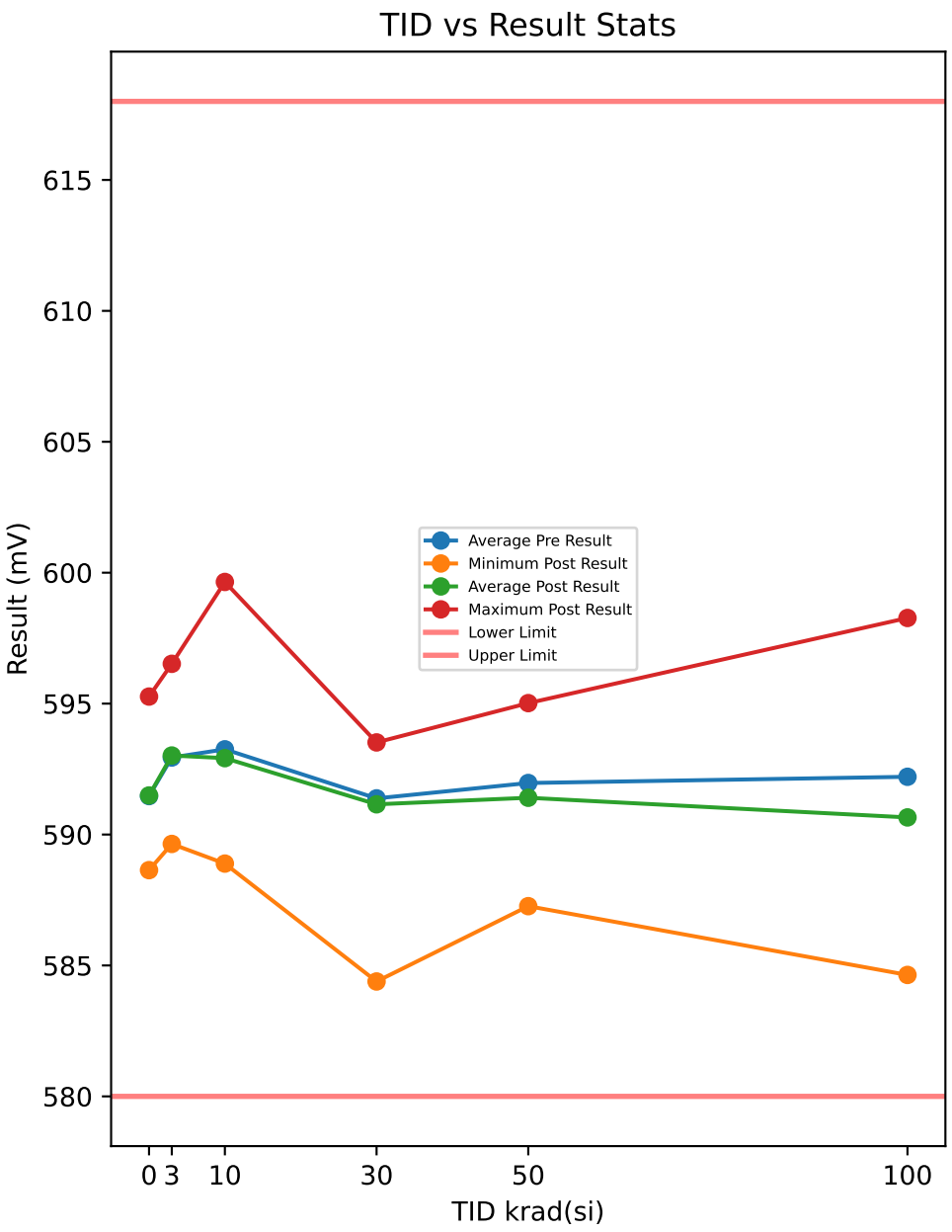
Test Results (Lower Limit = 475.0, Upper Limit = 517.0 (mV))

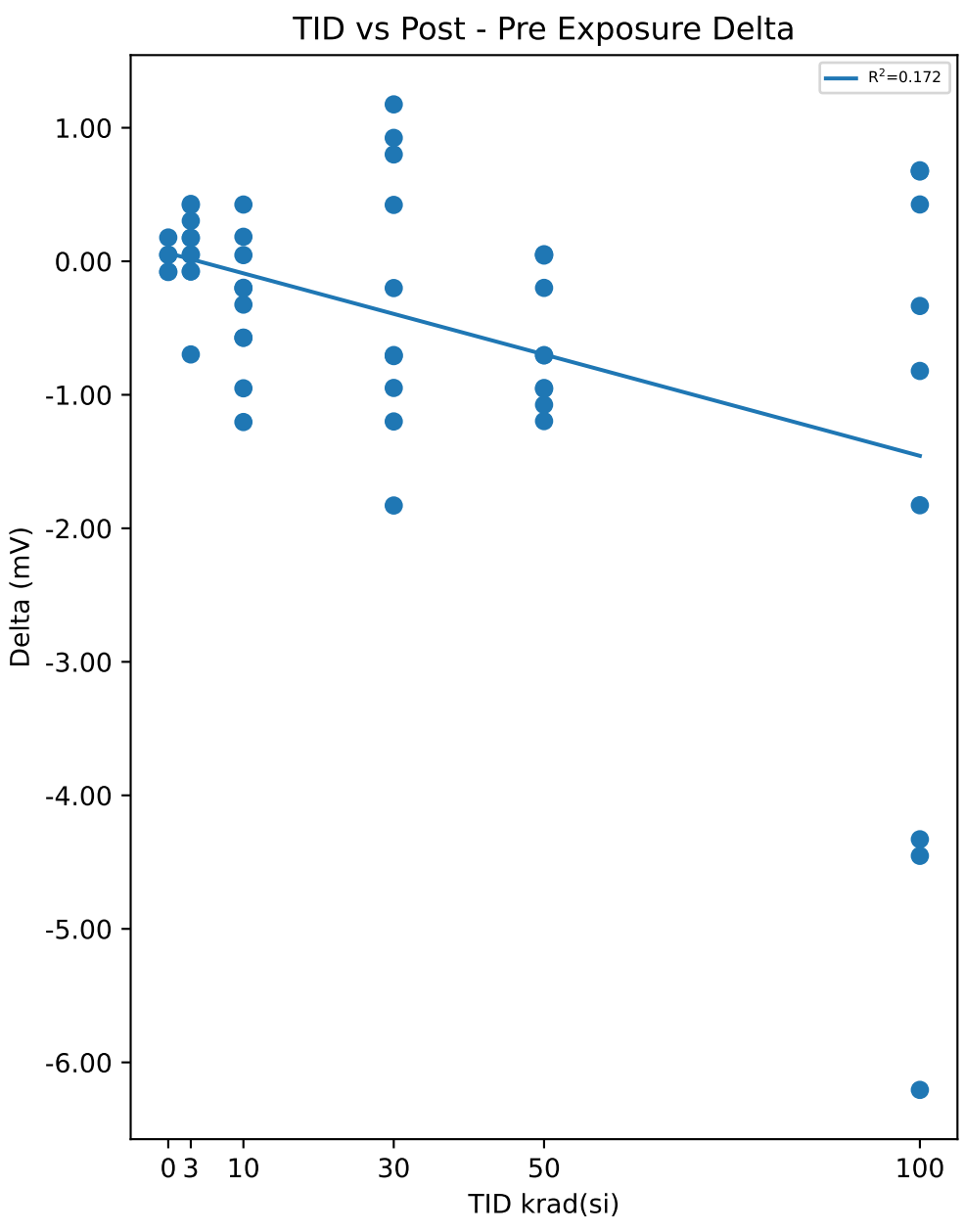
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	492.66	492.58	-0.0754
2	3	Biased	494.66	494.09	-0.5733
3	3	Biased	495.03	495.21	0.1777
4	3	Biased	493.91	493.84	-0.0739
5	3	Biased	491.79	491.96	0.1736
6	3	Unbiased	491.04	490.71	-0.3276
7	3	Unbiased	495.91	496.34	0.4288
8	3	Unbiased	489.29	489.83	0.5457
9	3	Unbiased	491.66	491.58	-0.0767
10	3	Unbiased	493.91	494.21	0.3013
11	10	Biased	495.03	494.59	-0.4477
12	10	Biased	494.03	494.09	0.0513
13	10	Biased	494.41	493.96	-0.4485
14	10	Biased	492.16	491.33	-0.8266
15	10	Biased	491.04	491.08	0.0476
16	10	Unbiased	499.66	499.96	0.3084
17	10	Unbiased	490.04	488.96	-1.0793
18	10	Unbiased	489.91	489.83	-0.0789
19	10	Unbiased	493.41	493.21	-0.1996
20	10	Unbiased	492.79	493.33	0.55
21	30	Biased	492.66	493.59	0.9251
22	30	Biased	491.54	490.46	-1.0775
23	30	Biased	494.28	492.71	-1.5743
24	30	Biased	490.66	488.33	-2.3293
25	30	Biased	493.41	492.46	-0.95
26	30	Unbiased	492.66	492.71	0.0496
27	30	Unbiased	485.04	484.2	-0.8355
28	30	Unbiased	492.29	493.33	1.0497
29	30	Unbiased	490.79	490.83	0.0473
30	30	Unbiased	491.54	492.33	0.7986
31	50	Biased	490.54	489.96	-0.5785
32	50	Biased	494.91	494.71	-0.1977
33	50	Biased	493.66	492.71	-0.9497
34	50	Biased	494.16	493.33	-0.824
35	50	Biased	488.29	487.33	-0.9565
36	50	Unbiased	492.79	492.71	-0.0754
37	50	Unbiased	495.66	494.84	-0.8221
38	50	Unbiased	489.66	488.96	-0.7046
39	50	Unbiased	493.41	493.46	0.0506
40	50	Unbiased	487.41	487.33	-0.0821
41	100	Biased	492.66	493.33	0.675
42	100	Biased	491.04	484.96	-6.081
43	100	Biased	492.04	490.21	-1.8273
44	100	Biased	492.66	488.21	-4.453
45	100	Biased	491.41	487.21	-4.2044
46	100	Unbiased	497.78	498.46	0.6813
47	100	Unbiased	493.41	493.84	0.4258
48	100	Unbiased	496.16	495.46	-0.6965
49	100	Unbiased	490.54	491.08	0.5472
50	100	Unbiased	485.29	484.96	-0.3349
51	0	Correlation	490.04	490.21	0.1714
52	0	Correlation	490.66	490.96	0.2972
53	0	Correlation	495.28	495.34	0.0529
54	0	Correlation	488.54	488.83	0.2946
55	0	Correlation	492.66	492.71	0.0496

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	491.44	495.28	2.6104	488.83	491.61	495.34	2.5099	0.0496	0.17314	0.2972	0.12234
3	489.29	492.98	495.91	2.0553	489.83	493.03	496.34	2.0519	-0.5733	0.05002	0.5457	0.34354
10	489.91	493.25	499.66	2.8668	488.96	493.03	499.96	3.0925	-1.0793	-0.21233	0.55	0.49972
30	485.04	491.49	494.28	2.5308	484.2	491.1	493.59	2.8947	-2.3293	-0.38963	1.0497	1.1425
50	487.41	492.05	495.66	2.8724	487.33	491.53	494.84	2.8898	-0.9565	-0.514	0.0506	0.3965
100	485.29	492.3	497.78	3.3521	484.96	490.77	498.46	4.5273	-6.081	-1.5268	0.6813	2.5058

Device Test: 13.39; VTH_SR_UVLO_RISE





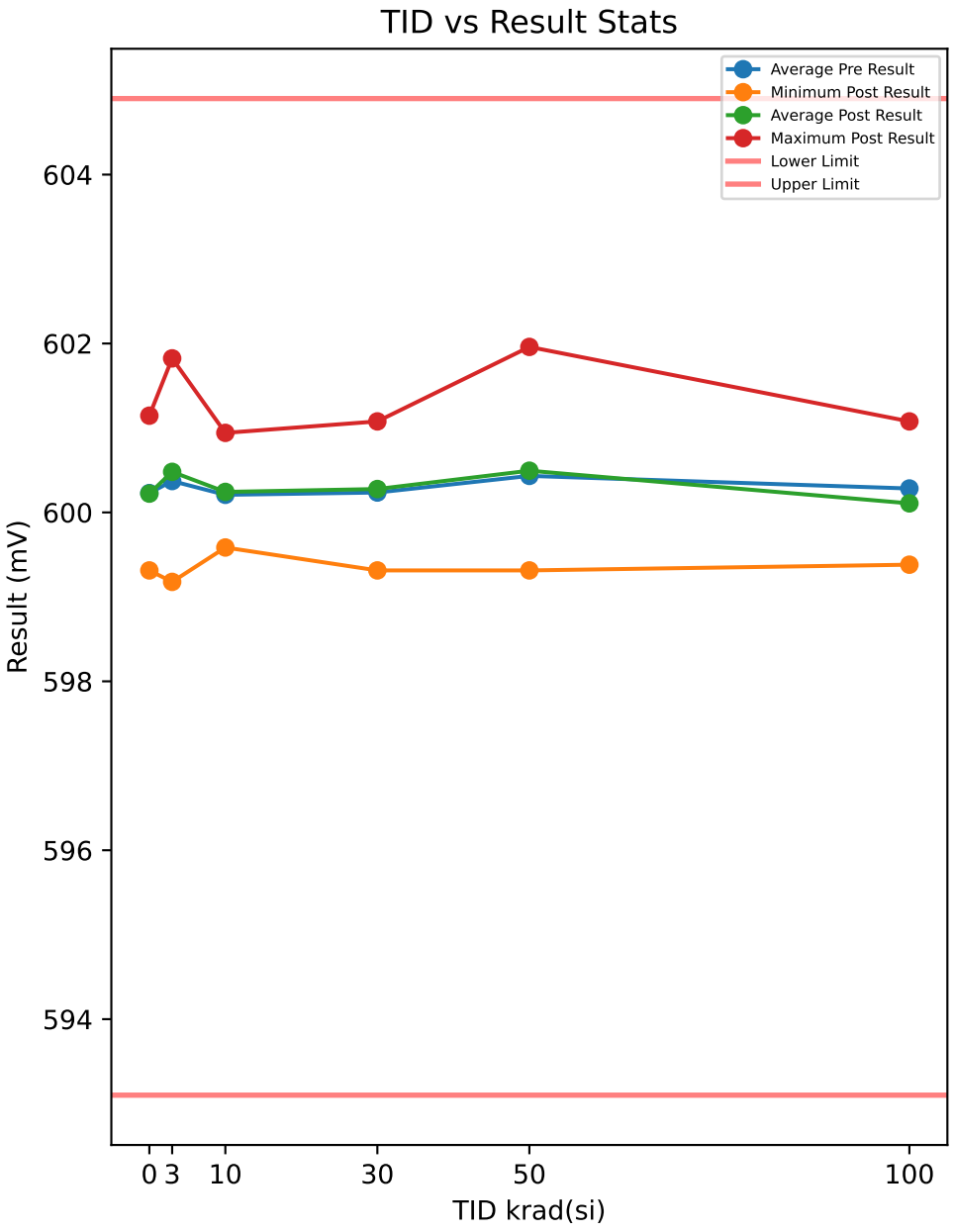
Test Results (Lower Limit = 580.0, Upper Limit = 618.0 (mV))

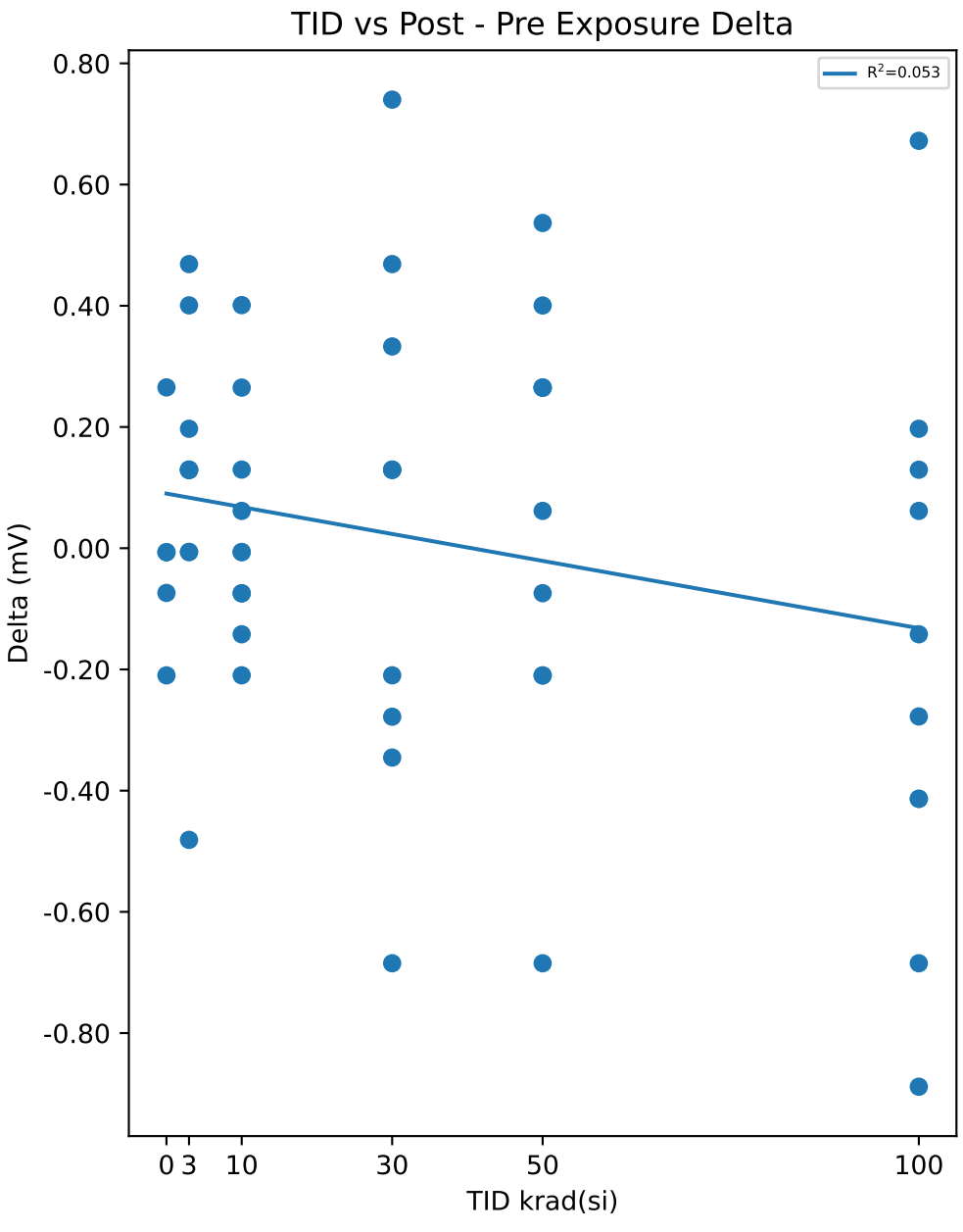
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	592.47	592.39	-0.0754
2	3	Biased	594.97	594.27	-0.6977
3	3	Biased	595.09	595.39	0.3031
4	3	Biased	593.59	593.64	0.051
5	3	Biased	591.84	592.02	0.1738
6	3	Unbiased	590.97	591.02	0.0478
7	3	Unbiased	596.09	596.52	0.4294
8	3	Unbiased	589.22	589.64	0.4208
9	3	Unbiased	591.59	591.52	-0.0765
10	3	Unbiased	593.59	593.77	0.1761
11	10	Biased	595.22	594.64	-0.5723
12	10	Biased	594.09	593.89	-0.1986
13	10	Biased	594.72	594.14	-0.573
14	10	Biased	592.22	591.27	-0.9513
15	10	Biased	591.09	590.89	-0.2023
16	10	Unbiased	599.46	599.65	0.1835
17	10	Unbiased	590.09	588.89	-1.204
18	10	Unbiased	589.84	589.89	0.0463
19	10	Unbiased	593.34	593.02	-0.3244
20	10	Unbiased	592.47	592.89	0.4249
21	30	Biased	592.59	593.39	0.8002
22	30	Biased	591.22	590.52	-0.7024
23	30	Biased	594.22	593.27	-0.9487
24	30	Biased	590.34	588.52	-1.8292
25	30	Biased	593.59	592.39	-1.1997
26	30	Unbiased	592.34	592.14	-0.2006
27	30	Unbiased	585.1	584.39	-0.71
28	30	Unbiased	592.34	593.52	1.1751
29	30	Unbiased	590.34	590.77	0.4222
30	30	Unbiased	591.72	592.64	0.9242
31	50	Biased	590.47	589.77	-0.7034
32	50	Biased	594.97	595.02	0.0527
33	50	Biased	593.47	592.39	-1.0748
34	50	Biased	593.84	592.89	-0.9492
35	50	Biased	588.47	587.51	-0.9559
36	50	Unbiased	592.47	592.52	0.0496
37	50	Unbiased	595.72	594.52	-1.197
38	50	Unbiased	589.59	588.89	-0.7044
39	50	Unbiased	593.47	593.27	-0.1993
40	50	Unbiased	587.22	587.26	0.043
41	100	Biased	592.84	593.52	0.6754
42	100	Biased	590.84	584.64	-6.206
43	100	Biased	591.97	590.14	-1.8271
44	100	Biased	592.47	588.01	-4.453
45	100	Biased	591.47	587.14	-4.3291
46	100	Unbiased	597.59	598.27	0.6814
47	100	Unbiased	592.97	593.39	0.4255
48	100	Unbiased	596.09	595.27	-0.8214
49	100	Unbiased	590.59	591.27	0.6726
50	100	Unbiased	585.22	584.89	-0.3347
51	0	Correlation	590.09	590.02	-0.0784
52	0	Correlation	591.09	591.14	0.0478
53	0	Correlation	595.09	595.27	0.178
54	0	Correlation	588.72	588.64	-0.0802
55	0	Correlation	592.34	592.39	0.0495

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	588.72	591.47	595.09	2.4222	588.64	591.49	595.27	2.5254	-0.0802	0.02334	0.178	0.10756
3	589.22	592.94	596.09	2.1206	589.64	593.02	596.52	2.0945	-0.6977	0.07524	0.4294	0.32679
10	589.84	593.25	599.46	2.8522	588.89	592.92	599.65	3.0356	-1.204	-0.33712	0.4249	0.50287
30	585.1	591.38	594.22	2.539	584.39	591.15	593.52	2.8499	-1.8292	-0.22689	1.1751	1.0144
50	587.22	591.97	595.72	2.8661	587.26	591.4	595.02	2.8273	-1.197	-0.56387	0.0527	0.50122
100	585.22	592.21	597.59	3.3157	584.64	590.65	598.27	4.5266	-6.206	-1.5516	0.6814	2.5536

Device Test: 13.4; VTH_SENSE





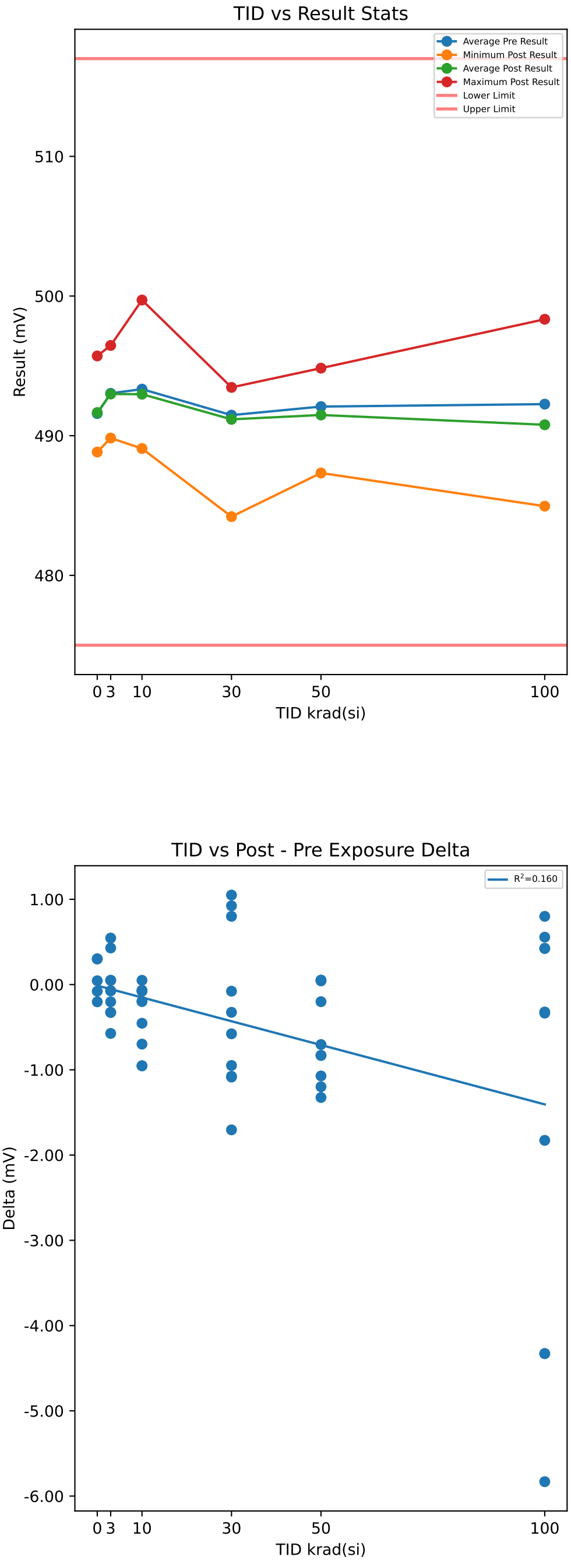
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	599.39	599.52	0.1298
2	3	Biased	600.54	600.53	-0.0064
3	3	Biased	601.7	601.82	0.1289
4	3	Biased	600.07	600.53	0.4688
5	3	Biased	600.54	600.94	0.4007
6	3	Unbiased	601.22	601.35	0.1291
7	3	Unbiased	600.68	600.87	0.1971
8	3	Unbiased	599.32	599.31	-0.006
9	3	Unbiased	600.61	600.74	0.1293
10	3	Unbiased	599.66	599.18	-0.4812
11	10	Biased	600.27	600.13	-0.142
12	10	Biased	599.86	599.86	-0.0062
13	10	Biased	600.68	600.67	-0.0065
14	10	Biased	600.61	600.87	0.265
15	10	Biased	600.61	600.53	-0.0743
16	10	Unbiased	599.46	599.58	0.1297
17	10	Unbiased	600.2	600.26	0.0616
18	10	Unbiased	601.02	600.94	-0.0745
19	10	Unbiased	599.52	599.92	0.4011
20	10	Unbiased	599.86	599.65	-0.2097
21	30	Biased	599.79	599.58	-0.2097
22	30	Biased	600.13	600.6	0.4688
23	30	Biased	600.95	601.08	0.1292
24	30	Biased	600.2	600.94	0.7401
25	30	Biased	600.54	600.67	0.1293
26	30	Unbiased	599.39	599.52	0.1298
27	30	Unbiased	599.66	599.31	-0.3454
28	30	Unbiased	600.95	600.67	-0.278
29	30	Unbiased	600.74	601.08	0.3329
30	30	Unbiased	600	599.31	-0.6848
31	50	Biased	600.13	600.2	0.0616
32	50	Biased	601.7	601.96	0.2646
33	50	Biased	599.93	599.72	-0.2098
34	50	Biased	600.54	600.33	-0.21
35	50	Biased	600.41	600.33	-0.0742
36	50	Unbiased	600	600.53	0.5366
37	50	Unbiased	600	599.31	-0.6848
38	50	Unbiased	600	600.26	0.2652
39	50	Unbiased	600.41	600.67	0.2651
40	50	Unbiased	601.22	601.62	0.4005
41	100	Biased	600.54	600.13	-0.4135
42	100	Biased	600.27	599.38	-0.8885
43	100	Biased	600.88	601.08	0.1971
44	100	Biased	600.2	600.26	0.0616
45	100	Biased	599.86	599.58	-0.2776
46	100	Unbiased	600.27	600.94	0.6722
47	100	Unbiased	600.41	599.99	-0.4134
48	100	Unbiased	600.13	600.26	0.1295
49	100	Unbiased	600.2	600.06	-0.142
50	100	Unbiased	600.07	599.38	-0.6848
51	0	Correlation	600.74	600.74	-0.0064
52	0	Correlation	601.15	601.15	-0.0067
53	0	Correlation	600.07	599.86	-0.2098
54	0	Correlation	599.79	600.06	0.2653
55	0	Correlation	599.39	599.31	-0.0738

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	600.23	601.15	0.71455	599.31	600.22	601.15	0.72546	-0.2098	-0.00628	0.2653	0.17301
3	599.32	600.37	601.7	0.77147	599.18	600.48	601.82	0.88116	-0.4812	0.10901	0.4688	0.25795
10	599.46	600.21	601.02	0.5243	599.58	600.24	600.94	0.49457	-0.2097	0.03442	0.4011	0.18713
30	599.39	600.24	600.95	0.5461	599.31	600.28	601.08	0.74936	-0.6848	0.04122	0.7401	0.42441
50	599.93	600.43	601.7	0.5902	599.31	600.49	601.96	0.79147	-0.6848	0.06148	0.5366	0.36325
100	599.86	600.28	600.88	0.2786	599.38	600.11	601.08	0.58027	-0.8885	-0.17594	0.6722	0.45937

Device Test: 13.40; VTH_SR_UVLO_FALL



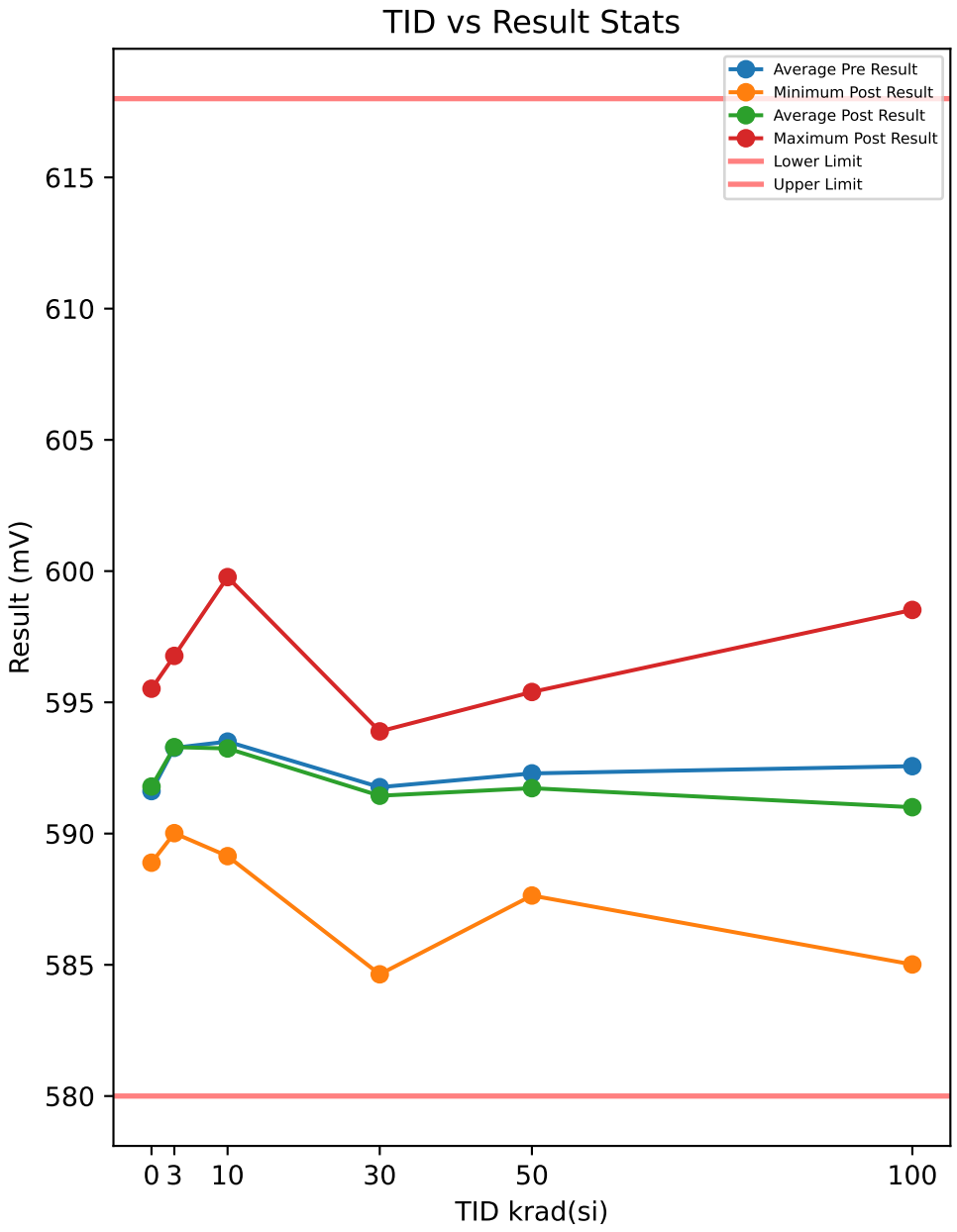
Test Results (Lower Limit = 475.0, Upper Limit = 517.0 (mV))

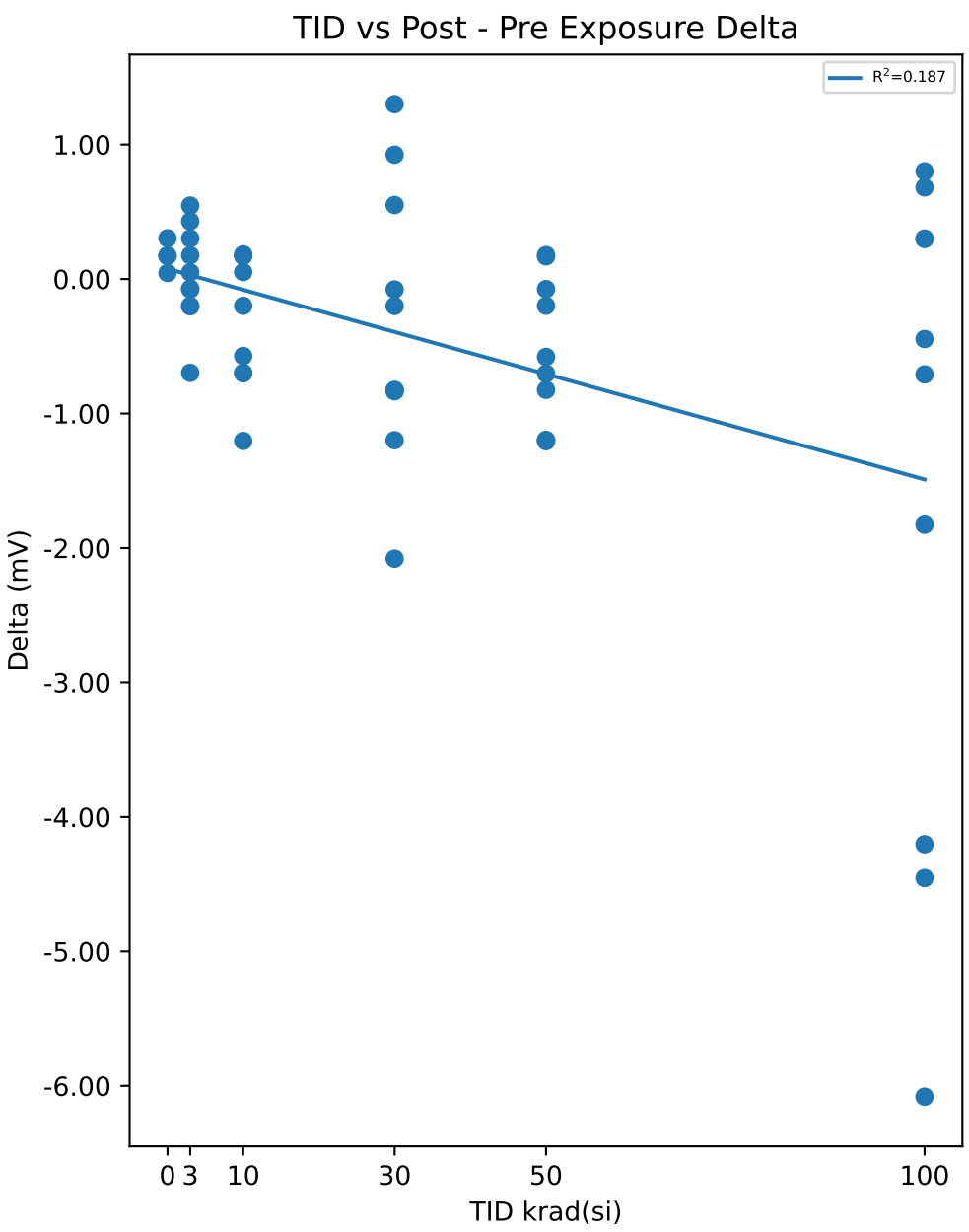
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	492.79	492.46	-0.3255
2	3	Biased	494.66	494.09	-0.5733
3	3	Biased	495.16	495.09	-0.0724
4	3	Biased	493.91	493.84	-0.0739
5	3	Biased	491.91	491.96	0.0486
6	3	Unbiased	491.04	490.71	-0.3276
7	3	Unbiased	496.03	496.46	0.429
8	3	Unbiased	489.29	489.83	0.5457
9	3	Unbiased	491.54	491.33	-0.202
10	3	Unbiased	494.03	494.09	0.0513
11	10	Biased	495.16	494.96	-0.1974
12	10	Biased	493.91	493.84	-0.0739
13	10	Biased	494.53	493.84	-0.6985
14	10	Biased	492.16	491.21	-0.9516
15	10	Biased	491.04	490.96	-0.0775
16	10	Unbiased	499.78	499.71	-0.0666
17	10	Unbiased	490.04	489.08	-0.9543
18	10	Unbiased	490.16	489.71	-0.4538
19	10	Unbiased	493.53	493.33	-0.1994
20	10	Unbiased	493.03	493.08	0.05
21	30	Biased	492.66	493.46	0.8001
22	30	Biased	491.16	490.58	-0.5776
23	30	Biased	494.16	493.21	-0.9491
24	30	Biased	490.29	488.58	-1.7043
25	30	Biased	493.28	492.21	-1.0753
26	30	Unbiased	492.91	492.58	-0.3253
27	30	Unbiased	485.29	484.2	-1.0853
28	30	Unbiased	492.41	493.46	1.0499
29	30	Unbiased	490.79	490.71	-0.0778
30	30	Unbiased	491.79	492.71	0.924
31	50	Biased	490.54	489.83	-0.7035
32	50	Biased	494.78	494.84	0.0523
33	50	Biased	493.91	492.58	-1.3246
34	50	Biased	494.41	493.21	-1.199
35	50	Biased	488.16	487.33	-0.8316
36	50	Unbiased	492.54	492.33	-0.2007
37	50	Unbiased	495.91	494.84	-1.072
38	50	Unbiased	489.66	488.83	-0.8297
39	50	Unbiased	493.53	493.59	0.0507
40	50	Unbiased	487.41	487.46	0.043
41	100	Biased	492.79	493.59	0.8001
42	100	Biased	490.91	485.08	-5.831
43	100	Biased	491.91	490.08	-1.8275
44	100	Biased	492.54	488.21	-4.3281
45	100	Biased	491.41	487.08	-4.3296
46	100	Unbiased	497.78	498.34	0.5563
47	100	Unbiased	493.53	493.96	0.426
48	100	Unbiased	495.78	495.46	-0.3217
49	100	Unbiased	490.66	491.08	0.4223
50	100	Unbiased	485.29	484.96	-0.3349
51	0	Correlation	490.29	490.21	-0.0784
52	0	Correlation	491.04	490.83	-0.2025
53	0	Correlation	495.41	495.71	0.3032
54	0	Correlation	488.79	488.83	0.0447
55	0	Correlation	492.41	492.71	0.2994

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	491.59	495.41	2.5055	488.83	491.66	495.71	2.66	-0.2025	0.07328	0.3032	0.22576
3	489.29	493.03	496.03	2.0952	489.83	492.98	496.46	2.0768	-0.5733	-0.05001	0.5457	0.34242
10	490.04	493.33	499.78	2.8747	489.08	492.97	499.71	3.0548	-0.9543	-0.3623	0.05	0.37927
30	485.29	491.47	494.16	2.4755	484.2	491.17	493.46	2.9035	-1.7043	-0.30207	1.0499	0.95852
50	487.41	492.09	495.91	2.9515	487.33	491.48	494.84	2.8871	-1.3246	-0.60151	0.0523	0.54217
100	485.29	492.26	497.78	3.3111	484.96	490.78	498.34	4.5254	-5.831	-1.4768	0.8001	2.4616

Device Test: 13.42; VTH_SR_UVLO_RISE





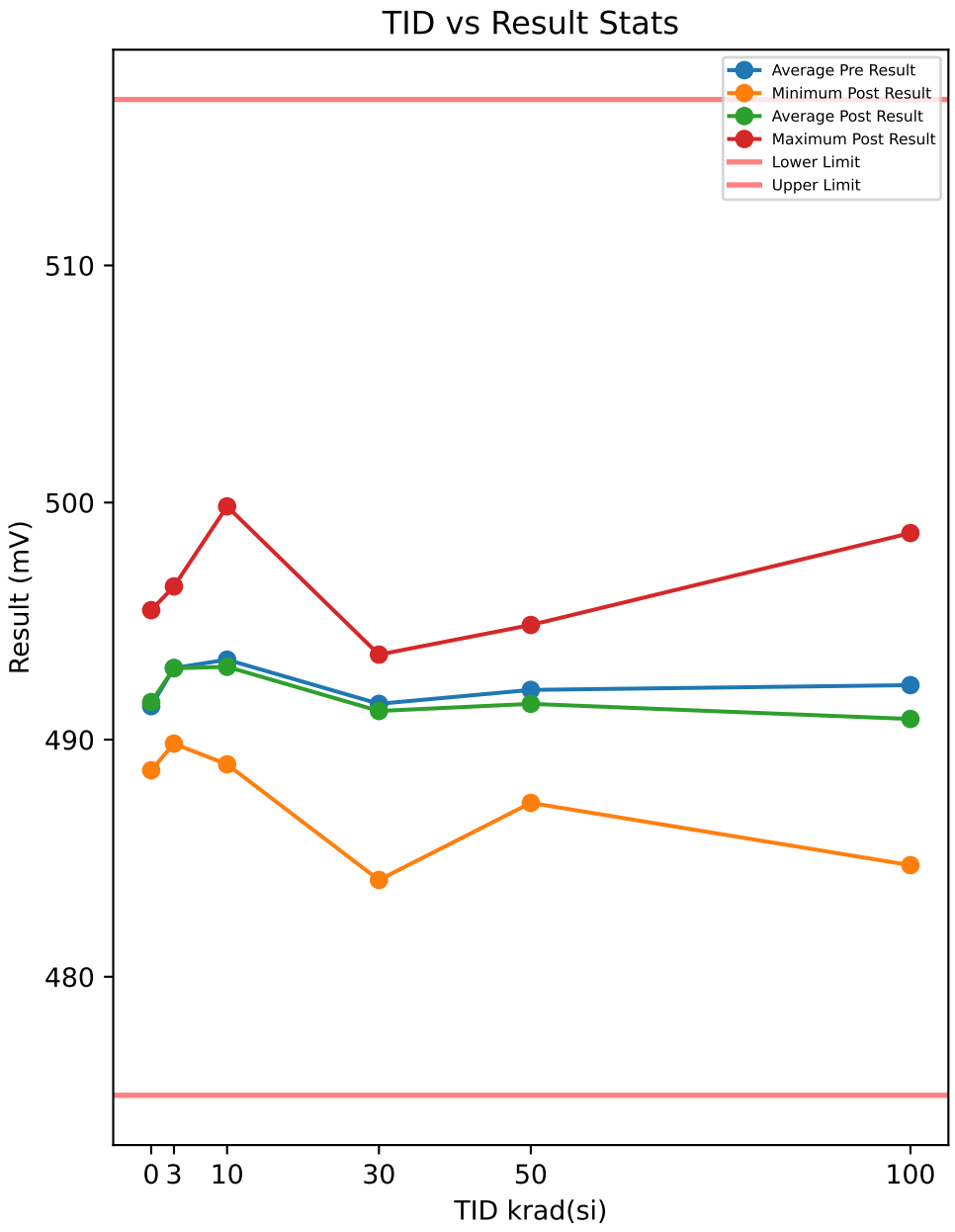
Test Results (Lower Limit = 580.0, Upper Limit = 618.0 (mV))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	592.97	592.77	-0.1999
2	3	Biased	595.22	594.52	-0.6974
3	3	Biased	595.47	595.39	-0.0717
4	3	Biased	593.84	594.02	0.1764
5	3	Biased	592.34	592.39	0.0495
6	3	Unbiased	591.34	591.14	-0.202
7	3	Unbiased	596.34	596.77	0.4297
8	3	Unbiased	589.47	590.02	0.5461
9	3	Unbiased	591.72	591.64	-0.0763
10	3	Unbiased	593.97	594.27	0.3017
11	10	Biased	595.47	594.89	-0.572
12	10	Biased	594.09	594.14	0.0516
13	10	Biased	595.09	594.39	-0.6974
14	10	Biased	592.34	591.64	-0.7009
15	10	Biased	591.34	591.52	0.1733
16	10	Unbiased	599.59	599.77	0.1835
17	10	Unbiased	590.34	589.14	-1.2038
18	10	Unbiased	590.22	590.39	0.1719
19	10	Unbiased	593.59	593.39	-0.1991
20	10	Unbiased	592.97	593.14	0.1753
21	30	Biased	592.97	593.52	0.5505
22	30	Biased	591.72	590.89	-0.8268
23	30	Biased	594.59	593.39	-1.1984
24	30	Biased	590.84	588.77	-2.0786
25	30	Biased	593.84	593.02	-0.8241
26	30	Unbiased	592.84	592.64	-0.2001
27	30	Unbiased	585.47	584.64	-0.8347
28	30	Unbiased	592.59	593.89	1.3004
29	30	Unbiased	590.84	590.77	-0.0774
30	30	Unbiased	591.97	592.89	0.9245
31	50	Biased	590.72	590.02	-0.703
32	50	Biased	595.22	595.39	0.1781
33	50	Biased	593.84	592.64	-1.1994
34	50	Biased	594.09	593.27	-0.8239
35	50	Biased	588.85	587.64	-1.2057
36	50	Unbiased	592.84	592.77	-0.075
37	50	Unbiased	595.97	594.77	-1.1966
38	50	Unbiased	589.72	589.14	-0.5792
39	50	Unbiased	593.97	593.77	-0.1986
40	50	Unbiased	587.72	587.89	0.1688
41	100	Biased	593.09	593.89	0.8008
42	100	Biased	591.09	585.01	-6.0806
43	100	Biased	592.34	590.52	-1.8266
44	100	Biased	592.72	588.52	-4.2026
45	100	Biased	591.84	587.39	-4.4538
46	100	Unbiased	597.84	598.52	0.6817
47	100	Unbiased	593.34	593.64	0.3009
48	100	Unbiased	596.22	595.77	-0.446
49	100	Unbiased	591.22	591.52	0.2982
50	100	Unbiased	585.97	585.26	-0.7089
51	0	Correlation	590.34	590.52	0.172
52	0	Correlation	591.22	591.39	0.1731
53	0	Correlation	595.22	595.52	0.3032
54	0	Correlation	588.85	588.89	0.0451
55	0	Correlation	592.47	592.64	0.1747

Test Statistics (mV)

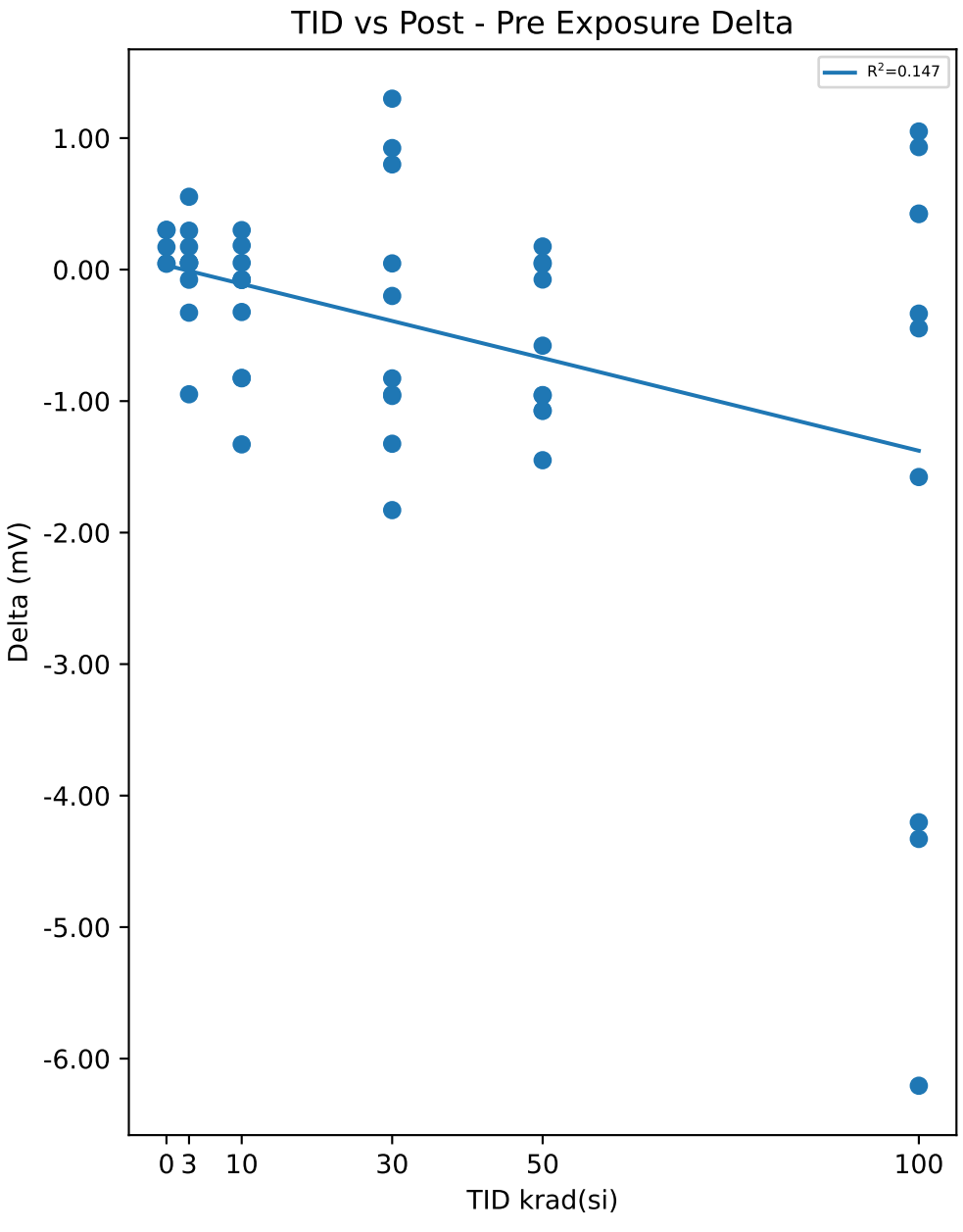
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	588.85	591.62	595.22	2.4051	588.89	591.79	595.52	2.4911	0.0451	0.17362	0.3032	0.091258
3	589.47	593.27	596.34	2.1176	590.02	593.29	596.77	2.0727	-0.6974	0.02561	0.5461	0.36194
10	590.22	593.5	599.59	2.805	589.14	593.24	599.77	2.9443	-1.2038	-0.26176	0.1835	0.49834
30	585.47	591.77	594.59	2.515	584.64	591.44	593.89	2.8747	-2.0786	-0.32647	1.3004	1.0352
50	587.72	592.29	595.97	2.8413	587.64	591.73	595.39	2.8326	-1.2057	-0.56345	0.1781	0.55409
100	585.97	592.57	597.84	3.1633	585.01	591	598.52	4.5108	-6.0806	-1.5637	0.8008	2.4798

Device Test: 13.43; VTH_SR_UVLO_FALL



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

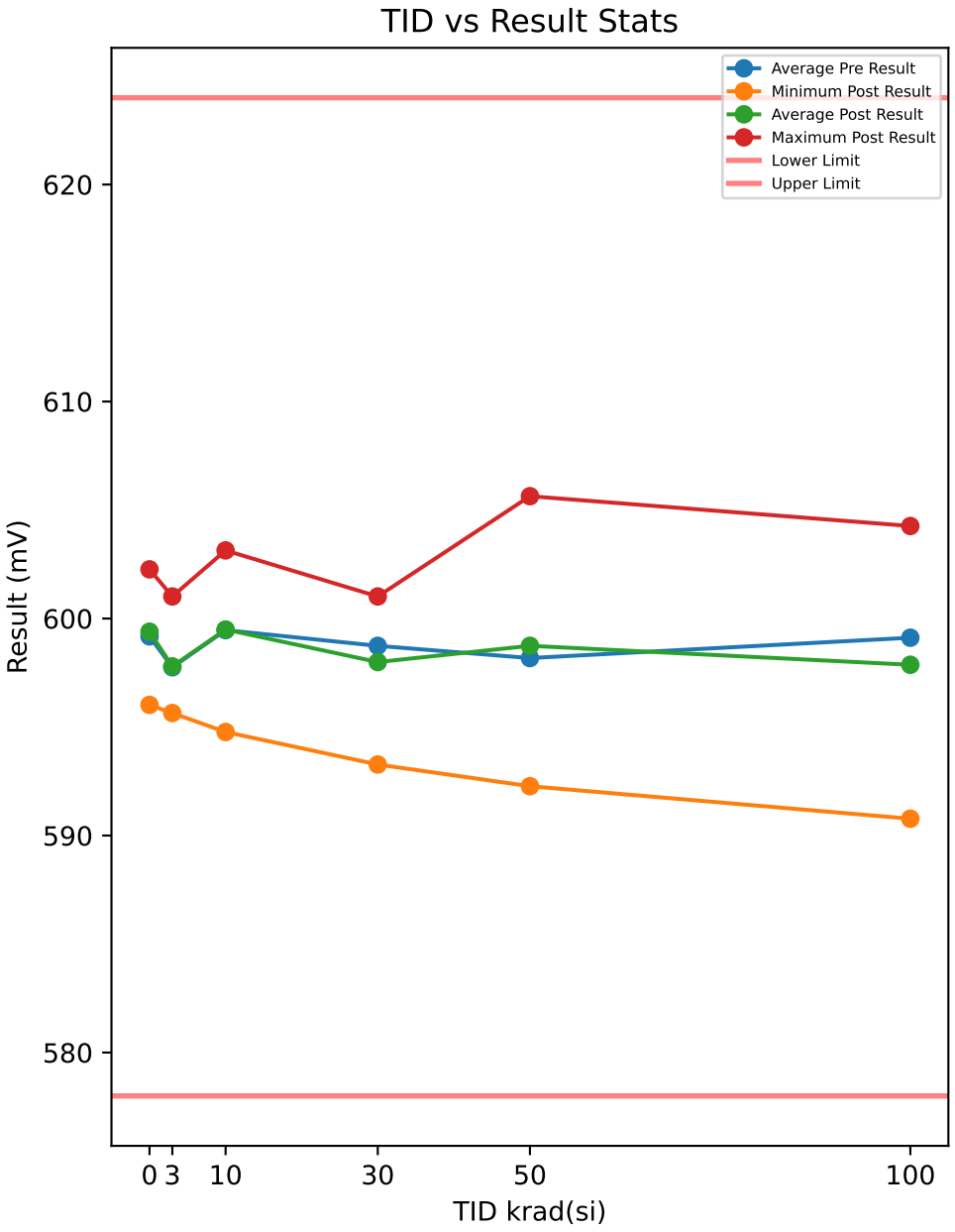
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	492.66	492.71	0.0496
2	3	Biased	494.91	493.96	-0.9481
3	3	Biased	495.03	495.09	0.0526
4	3	Biased	493.91	493.96	0.0512
5	3	Biased	491.79	491.96	0.1736
6	3	Unbiased	491.04	490.71	-0.3276
7	3	Unbiased	495.91	496.46	0.5539
8	3	Unbiased	489.54	489.83	0.2959
9	3	Unbiased	491.54	491.46	-0.0769
10	3	Unbiased	493.91	493.96	0.0512
11	10	Biased	495.16	494.84	-0.3225
12	10	Biased	494.03	494.09	0.0513
13	10	Biased	494.66	493.84	-0.8234
14	10	Biased	492.29	491.46	-0.8264
15	10	Biased	491.16	491.08	-0.0773
16	10	Unbiased	499.66	499.84	0.1834
17	10	Unbiased	490.29	488.96	-1.3291
18	10	Unbiased	490.04	489.96	-0.0788
19	10	Unbiased	493.41	493.33	-0.0745
20	10	Unbiased	493.03	493.33	0.3002
21	30	Biased	492.66	493.46	0.8001
22	30	Biased	491.54	490.71	-0.8273
23	30	Biased	494.16	492.83	-1.3243
24	30	Biased	490.66	488.83	-1.829
25	30	Biased	493.41	492.46	-0.95
26	30	Unbiased	492.79	492.58	-0.2004
27	30	Unbiased	485.04	484.08	-0.9606
28	30	Unbiased	492.29	493.59	1.2998
29	30	Unbiased	490.66	490.71	0.0471
30	30	Unbiased	491.91	492.83	0.9241
31	50	Biased	490.54	489.96	-0.5785
32	50	Biased	494.66	494.71	0.0521
33	50	Biased	494.03	492.58	-1.4495
34	50	Biased	494.03	492.96	-1.0743
35	50	Biased	488.29	487.33	-0.9565
36	50	Unbiased	492.79	492.71	-0.0754
37	50	Unbiased	495.91	494.84	-1.072
38	50	Unbiased	489.91	488.96	-0.9544
39	50	Unbiased	493.41	493.59	0.1756
40	50	Unbiased	487.41	487.46	0.043
41	100	Biased	492.66	493.71	1.0502
42	100	Biased	490.91	484.7	-6.2062
43	100	Biased	491.91	490.33	-1.5773
44	100	Biased	492.66	488.46	-4.2028
45	100	Biased	491.54	487.21	-4.3293
46	100	Unbiased	497.78	498.71	0.9315
47	100	Unbiased	493.53	493.96	0.426
48	100	Unbiased	495.91	495.46	-0.4467
49	100	Unbiased	490.79	491.21	0.4225
50	100	Unbiased	485.29	484.96	-0.3349
51	0	Correlation	490.04	490.21	0.1714
52	0	Correlation	490.66	490.71	0.0471
53	0	Correlation	495.16	495.46	0.3028
54	0	Correlation	488.66	488.71	0.0446
55	0	Correlation	492.54	492.83	0.2996

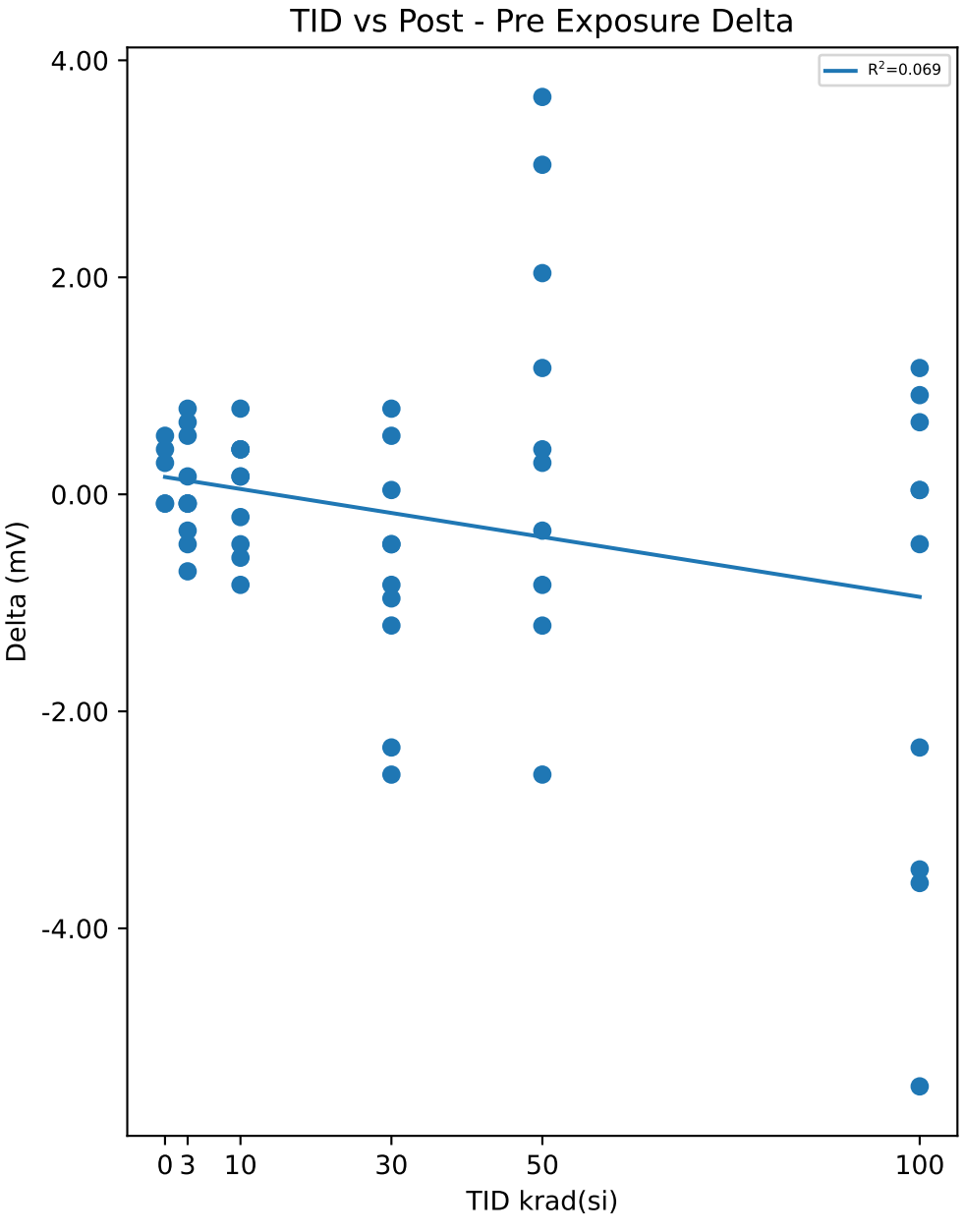


Test Statistics (mV)

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	491.41	495.16	2.5155	488.71	491.58	495.46	2.6235	0.0446	0.1731	0.3028	0.12769
3	489.54	493.02	495.91	2.0403	489.83	493.01	496.46	2.0528	-0.9481	-0.01246	0.5539	0.40077
10	490.04	493.37	499.66	2.8204	488.96	493.07	499.84	3.052	-1.3291	-0.29971	0.3002	0.52465
30	485.04	491.51	494.16	2.5306	484.08	491.21	493.59	2.9142	-1.829	-0.30205	1.2998	1.05
50	487.41	492.1	495.91	2.8759	487.33	491.51	494.84	2.8504	-1.4495	-0.58899	0.1756	0.59037
100	485.29	492.3	497.78	3.3157	484.7	490.87	498.71	4.629	-6.2062	-1.4267	1.0502	2.5755

Device Test: 13.45; VTH_WDI_RISE





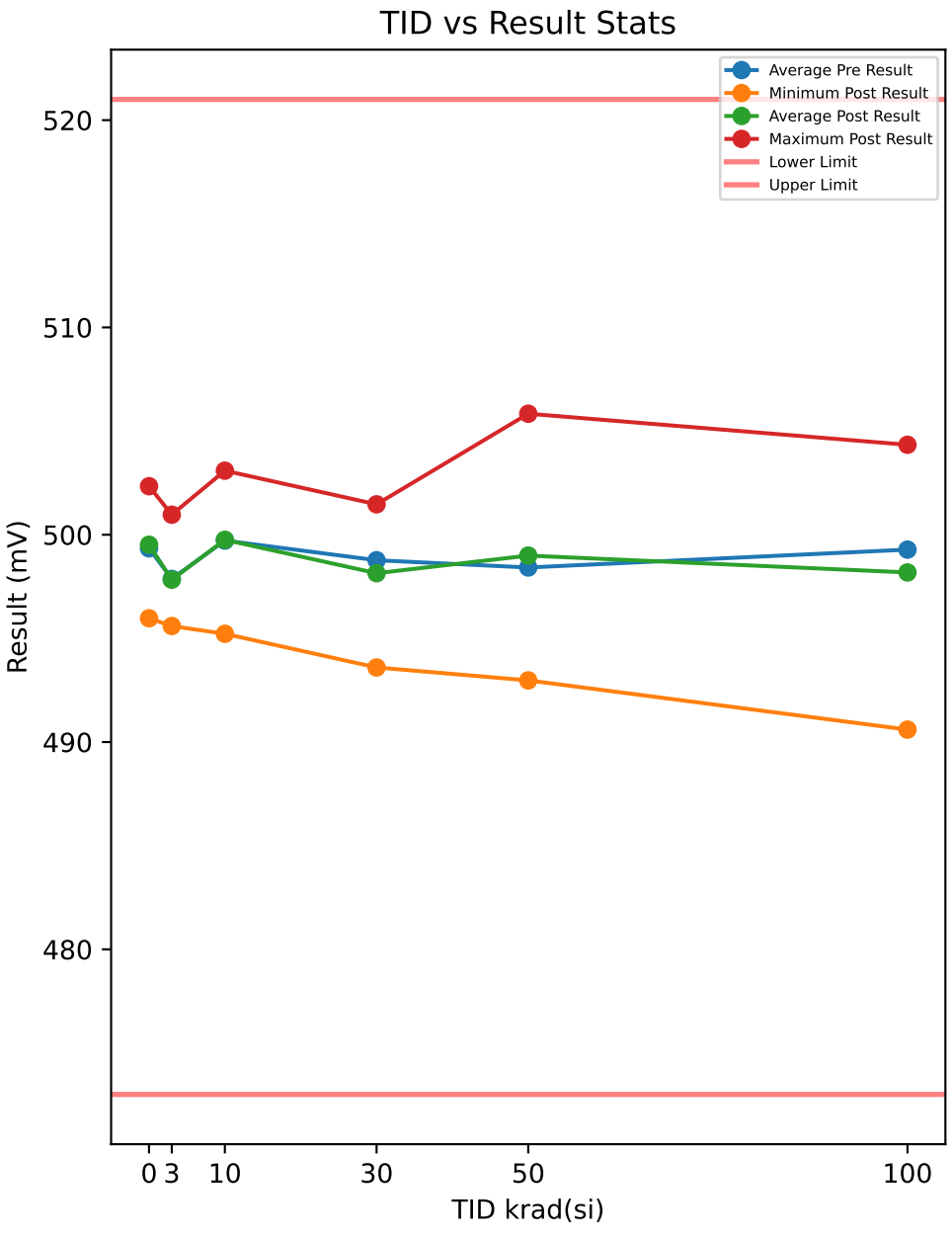
Test Results (Lower Limit = 578.0, Upper Limit = 624.0 (mV))

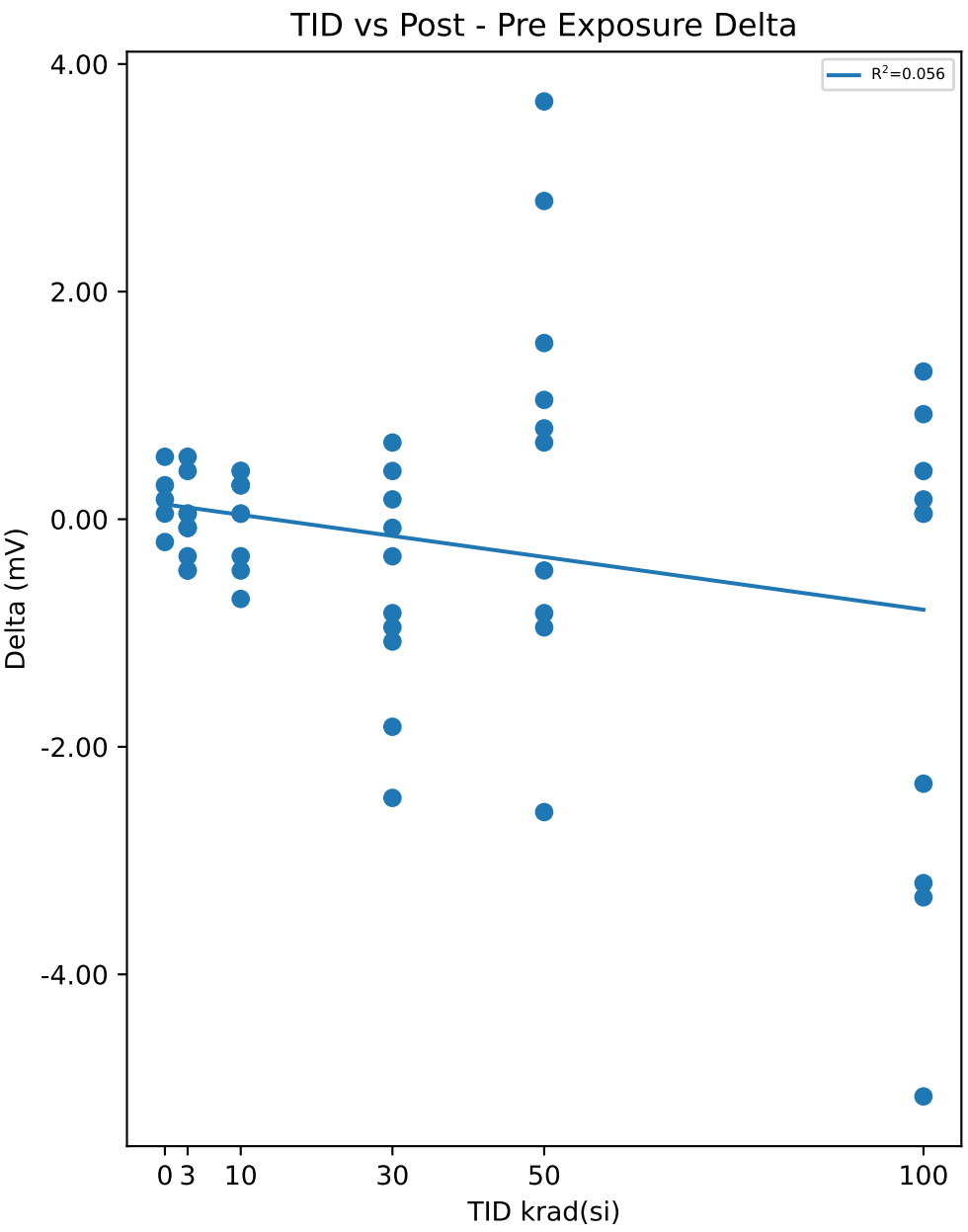
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	595.86	595.77	-0.0846
2	3	Biased	598.23	598.14	-0.0847
3	3	Biased	598.48	599.14	0.6647
4	3	Biased	598.23	597.77	-0.4595
5	3	Biased	597.73	598.27	0.5398
6	3	Unbiased	600.23	601.02	0.7894
7	3	Unbiased	595.61	595.77	0.1652
8	3	Unbiased	596.11	595.77	-0.3344
9	3	Unbiased	595.73	595.65	-0.0845
10	3	Unbiased	601.35	600.64	-0.7096
11	10	Biased	595.36	594.77	-0.5841
12	10	Biased	596.48	597.27	0.7897
13	10	Biased	603.6	603.14	-0.4601
14	10	Biased	597.85	597.64	-0.2096
15	10	Biased	599.35	599.52	0.1648
16	10	Unbiased	599.35	599.77	0.4147
17	10	Unbiased	600.23	600.64	0.4146
18	10	Unbiased	602.73	602.89	0.1646
19	10	Unbiased	601.1	601.52	0.4145
20	10	Unbiased	598.6	597.77	-0.8343
21	30	Biased	600.23	597.64	-2.5831
22	30	Biased	599.48	599.52	0.0399
23	30	Biased	596.86	596.02	-0.8341
24	30	Biased	597.48	597.02	-0.4595
25	30	Biased	595.61	593.27	-2.3329
26	30	Unbiased	601.48	601.02	-0.4598
27	30	Unbiased	599.1	598.14	-0.9591
28	30	Unbiased	598.48	597.27	-1.2089
29	30	Unbiased	600.23	600.77	0.5395
30	30	Unbiased	598.48	599.27	0.7895
31	50	Biased	599.35	598.52	-0.8344
32	50	Biased	604.35	603.14	-1.2096
33	50	Biased	591.98	592.27	0.2904
34	50	Biased	596.61	597.77	1.1644
35	50	Biased	597.35	594.77	-2.5828
36	50	Unbiased	596.61	598.64	2.0387
37	50	Unbiased	597.23	597.64	0.4149
38	50	Unbiased	598.48	602.14	3.6624
39	50	Unbiased	597.23	596.9	-0.3345
40	50	Unbiased	602.6	605.64	3.0374
41	100	Biased	595.61	592.02	-3.582
42	100	Biased	603.1	597.64	-5.4562
43	100	Biased	593.73	593.27	-0.4591
44	100	Biased	598.85	596.52	-2.3332
45	100	Biased	594.23	590.77	-3.4569
46	100	Unbiased	598.98	599.89	0.9144
47	100	Unbiased	602.73	602.77	0.0397
48	100	Unbiased	599.23	599.89	0.6646
49	100	Unbiased	604.23	604.26	0.0396
50	100	Unbiased	600.48	601.64	1.1641
51	0	Correlation	602.35	602.27	-0.0852
52	0	Correlation	601.6	601.89	0.2896
53	0	Correlation	598.1	598.64	0.5397
54	0	Correlation	595.61	596.02	0.415
55	0	Correlation	598.23	598.14	-0.0847

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	595.61	599.18	602.35	2.773	596.02	599.39	602.27	2.6452	-0.0852	0.21488	0.5397	0.28763
3	595.61	597.75	601.35	1.9741	595.65	597.79	601.02	2.0429	-0.7096	0.04018	0.7894	0.49615
10	595.36	599.47	603.6	2.5853	594.77	599.49	603.14	2.6658	-0.8343	0.02748	0.7897	0.52481
30	595.61	598.74	601.48	1.7542	593.27	597.99	601.02	2.3232	-2.5831	-0.74685	0.7895	1.1032
50	591.98	598.18	604.35	3.4145	592.27	598.74	605.64	3.9677	-2.5828	0.56469	3.6624	1.9482
100	593.73	599.12	604.23	3.6838	590.77	597.87	604.26	4.6523	-5.4562	-1.2465	1.1641	2.2926

Device Test: 13.46; VTH_WDI_FALL





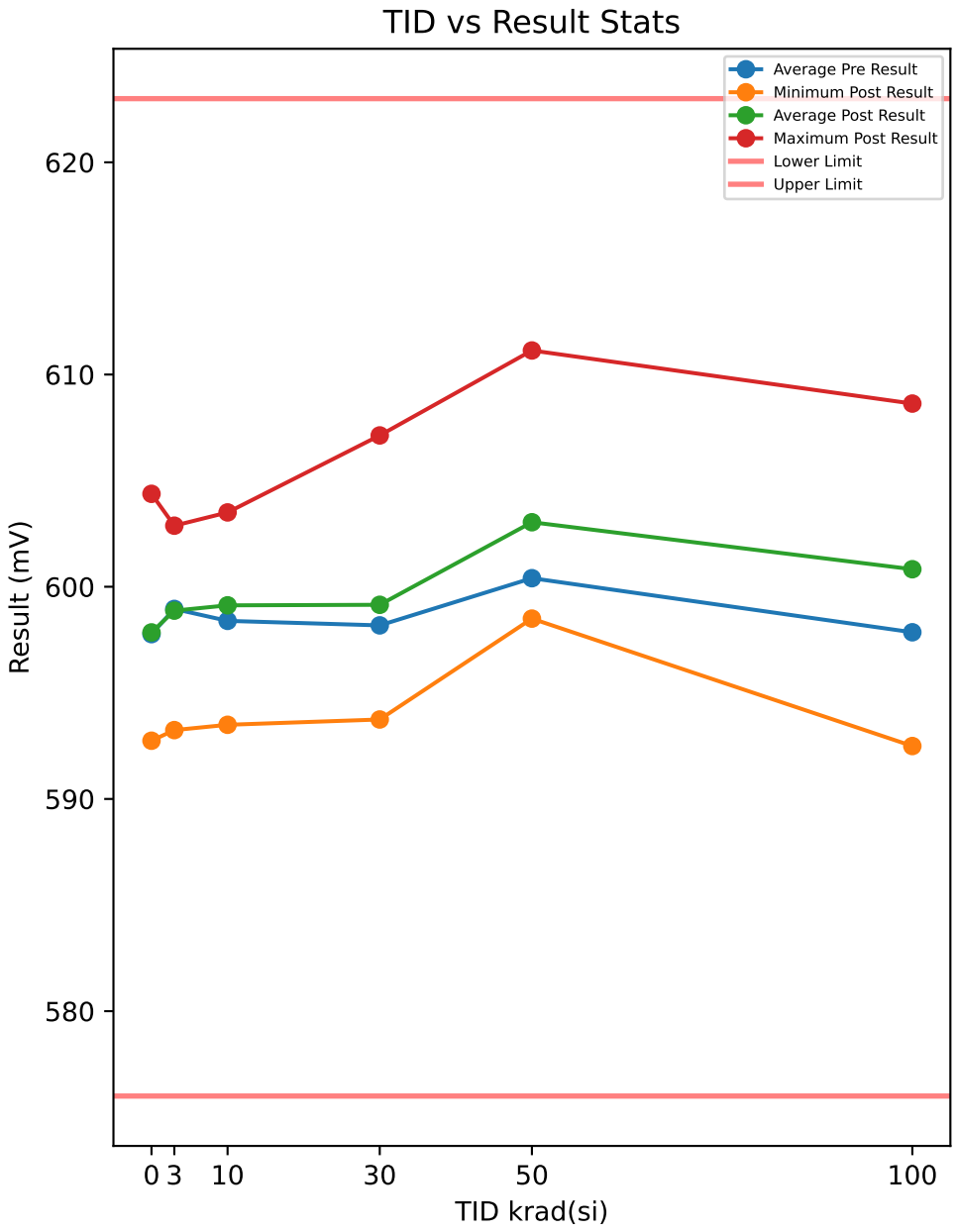
Test Results (Lower Limit = 473.0, Upper Limit = 521.0 (mV))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	495.67	495.6	-0.0756
2	3	Biased	498.17	498.09	-0.0759
3	3	Biased	498.92	498.97	0.049
4	3	Biased	498.17	498.22	0.049
5	3	Biased	497.55	498.09	0.5487
6	3	Unbiased	500.54	500.97	0.4236
7	3	Unbiased	496.17	495.72	-0.4504
8	3	Unbiased	496.42	496.1	-0.3255
9	3	Unbiased	496.05	495.6	-0.4504
10	3	Unbiased	501.04	500.97	-0.0761
11	10	Biased	495.55	495.22	-0.3254
12	10	Biased	496.92	497.22	0.2989
13	10	Biased	503.54	503.09	-0.451
14	10	Biased	497.67	497.72	0.0491
15	10	Biased	499.42	499.72	0.2987
16	10	Unbiased	499.79	500.22	0.4236
17	10	Unbiased	500.54	500.97	0.4236
18	10	Unbiased	503.04	503.09	0.0486
19	10	Unbiased	501.42	501.72	0.2985
20	10	Unbiased	499.29	498.59	-0.7006
21	30	Biased	500.54	498.09	-2.4493
22	30	Biased	499.42	499.34	-0.076
23	30	Biased	496.92	495.85	-1.075
24	30	Biased	497.17	497.35	0.174
25	30	Biased	495.42	493.6	-1.8243
26	30	Unbiased	501.79	501.47	-0.3261
27	30	Unbiased	498.8	497.97	-0.8254
28	30	Unbiased	498.55	497.6	-0.9503
29	30	Unbiased	500.54	500.97	0.4236
30	30	Unbiased	498.55	499.22	0.6735
31	50	Biased	499.67	498.84	-0.8254
32	50	Biased	503.92	502.97	-0.9508
33	50	Biased	492.3	492.97	0.6741
34	50	Biased	497.05	498.09	1.0484
35	50	Biased	497.8	495.22	-2.5739
36	50	Unbiased	496.92	498.47	1.548
37	50	Unbiased	497.3	498.09	0.7985
38	50	Unbiased	498.92	502.59	3.6713
39	50	Unbiased	497.3	496.85	-0.4506
40	50	Unbiased	503.04	505.84	2.7965
41	100	Biased	495.55	492.35	-3.1983
42	100	Biased	503.17	498.09	-5.0726
43	100	Biased	493.8	493.85	0.0494
44	100	Biased	499.29	496.97	-2.3243
45	100	Biased	493.92	490.6	-3.323
46	100	Unbiased	499.29	500.59	1.2979
47	100	Unbiased	503.04	503.47	0.4233
48	100	Unbiased	499.54	499.72	0.1738
49	100	Unbiased	504.29	504.34	0.0484
50	100	Unbiased	500.92	501.84	0.9231
51	0	Correlation	502.17	502.34	0.1735
52	0	Correlation	501.29	501.84	0.5484
53	0	Correlation	498.55	498.84	0.2988
54	0	Correlation	496.17	495.97	-0.2006
55	0	Correlation	498.55	498.59	0.0489

Test Statistics (mV)

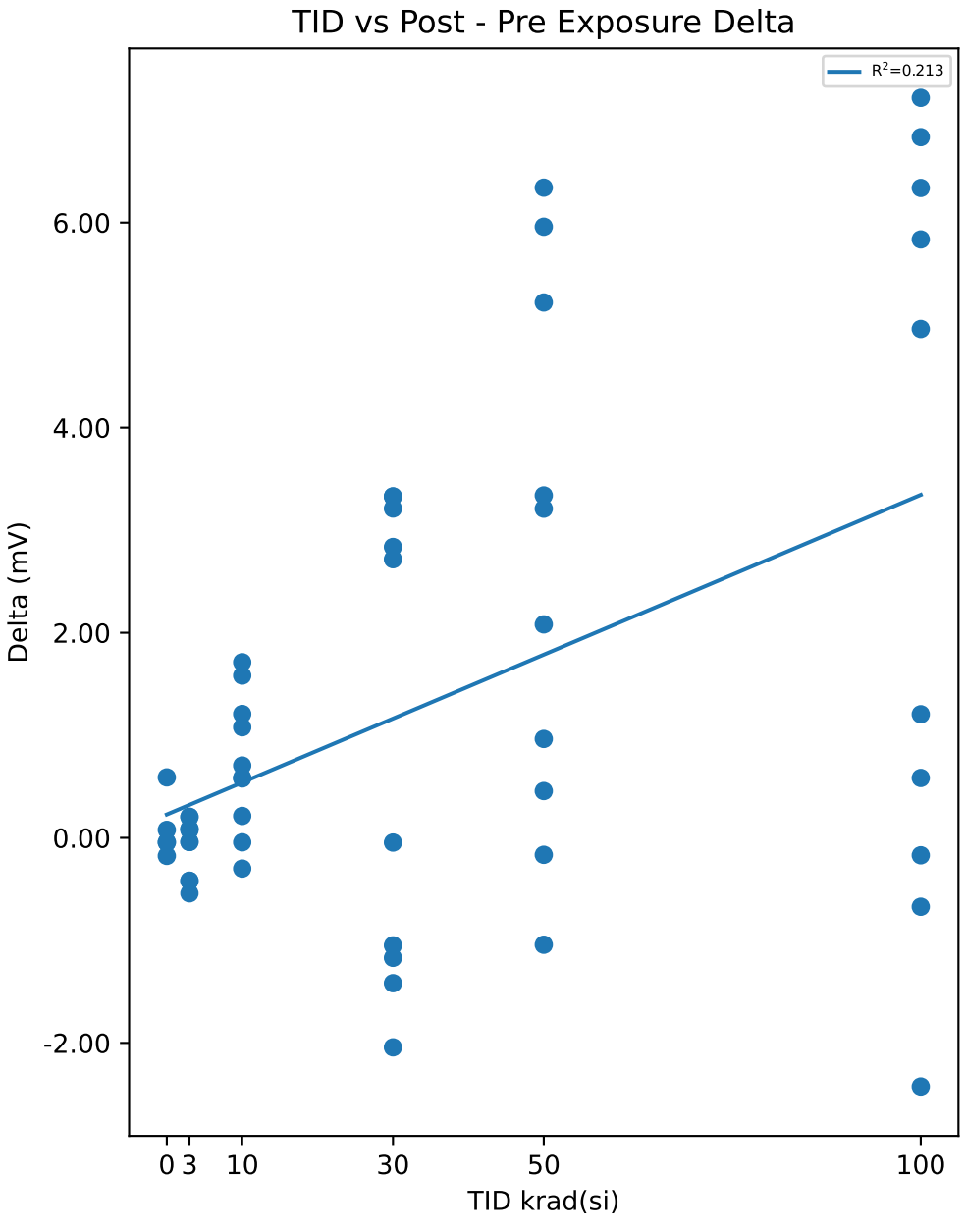
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	496.17	499.34	502.17	2.4038	495.97	499.52	502.34	2.6105	-0.2006	0.1738	0.5484	0.27916
3	495.67	497.87	501.04	1.8781	495.6	497.83	500.97	2.0738	-0.4504	-0.03836	0.5487	0.33326
10	495.55	499.72	503.54	2.5588	495.22	499.76	503.09	2.5875	-0.7006	0.0364	0.4236	0.39696
30	495.42	498.77	501.79	1.9188	493.6	498.14	501.47	2.322	-2.4493	-0.62553	0.6735	0.99609
50	492.3	498.42	503.92	3.2982	492.97	498.99	505.84	3.838	-2.5739	0.57361	3.6713	1.8562
100	493.8	499.28	504.29	3.7978	490.6	498.18	504.34	4.7043	-5.0726	-1.1002	1.2979	2.1871

Device Test: 13.48; VTH_MODE_RISE



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

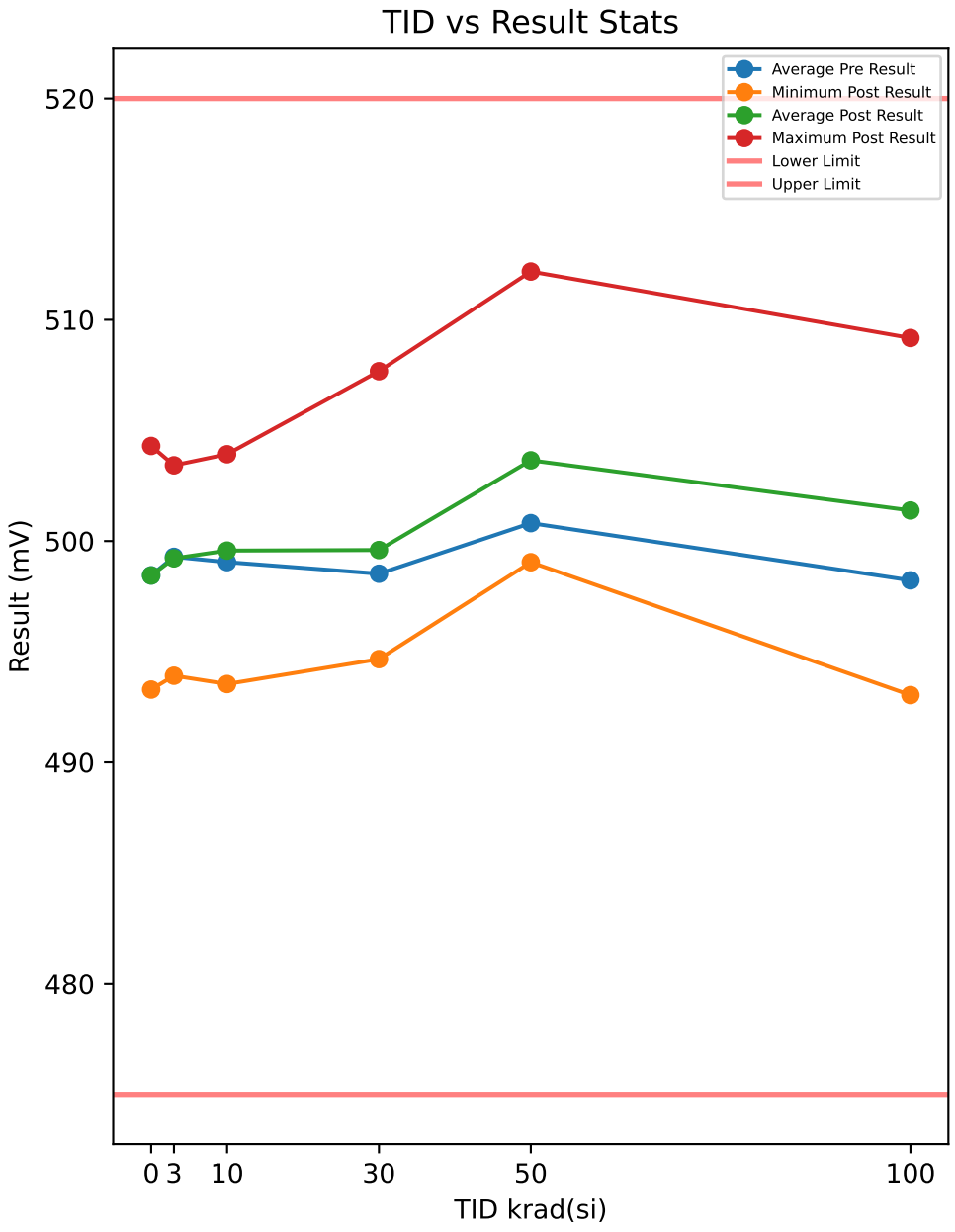
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	595.92	596.12	0.2033
2	3	Biased	597.54	597.75	0.2057
3	3	Biased	602.79	602.88	0.0877
4	3	Biased	593.17	593.24	0.0746
5	3	Biased	601.79	601.88	0.0864
6	3	Unbiased	598.54	598.12	-0.4186
7	3	Unbiased	600.17	599.62	-0.5414
8	3	Unbiased	600.67	600.63	-0.0404
9	3	Unbiased	600.79	600.75	-0.0401
10	3	Unbiased	598.17	597.75	-0.4189
11	10	Biased	598.54	599.75	1.2077
12	10	Biased	595.42	596.5	1.0783
13	10	Biased	601.66	603.38	1.7125
14	10	Biased	598.04	599.62	1.5823
15	10	Biased	603.29	603.5	0.2135
16	10	Unbiased	596.29	596.87	0.5793
17	10	Unbiased	597.04	597.75	0.7054
18	10	Unbiased	593.79	593.49	-0.3
19	10	Unbiased	601.66	602.25	0.5866
20	10	Unbiased	598.17	598.12	-0.0437
21	30	Biased	593.29	596.62	3.3273
22	30	Biased	595.42	598.75	3.3302
23	30	Biased	600.17	603.38	3.2116
24	30	Biased	600.17	603	2.8364
25	30	Biased	604.41	607.13	2.7171
26	30	Unbiased	594.79	593.74	-1.0491
27	30	Unbiased	596.54	596.5	-0.046
28	30	Unbiased	597.67	596.5	-1.1703
29	30	Unbiased	599.67	597.62	-2.0432
30	30	Unbiased	599.67	598.25	-1.4178
31	50	Biased	597.04	603	5.9596
32	50	Biased	601.29	607.63	6.3407
33	50	Biased	605.91	611.13	5.2211
34	50	Biased	601.79	605.13	3.3391
35	50	Biased	599.04	602.25	3.2101
36	50	Unbiased	600.67	600.5	-0.1655
37	50	Unbiased	599.67	598.62	-1.0425
38	50	Unbiased	598.04	598.5	0.4564
39	50	Unbiased	597.04	599.12	2.0815
40	50	Unbiased	603.54	604.5	0.9645
41	100	Biased	601.41	608.63	7.2165
42	100	Biased	600.04	605	4.9628
43	100	Biased	598.04	603.88	5.8357
44	100	Biased	595.54	602.38	6.8331
45	100	Biased	599.17	605.5	6.3377
46	100	Unbiased	599.67	600.25	0.5838
47	100	Unbiased	597.17	597	-0.1701
48	100	Unbiased	596.54	597.75	1.2051
49	100	Unbiased	596.04	595.37	-0.6722
50	100	Unbiased	594.92	592.49	-2.425
51	0	Correlation	592.92	592.74	-0.176
52	0	Correlation	603.79	604.38	0.5895
53	0	Correlation	599.67	599.62	-0.0417
54	0	Correlation	597.04	597	-0.0452
55	0	Correlation	595.42	595.5	0.0776



Test Statistics (mV)

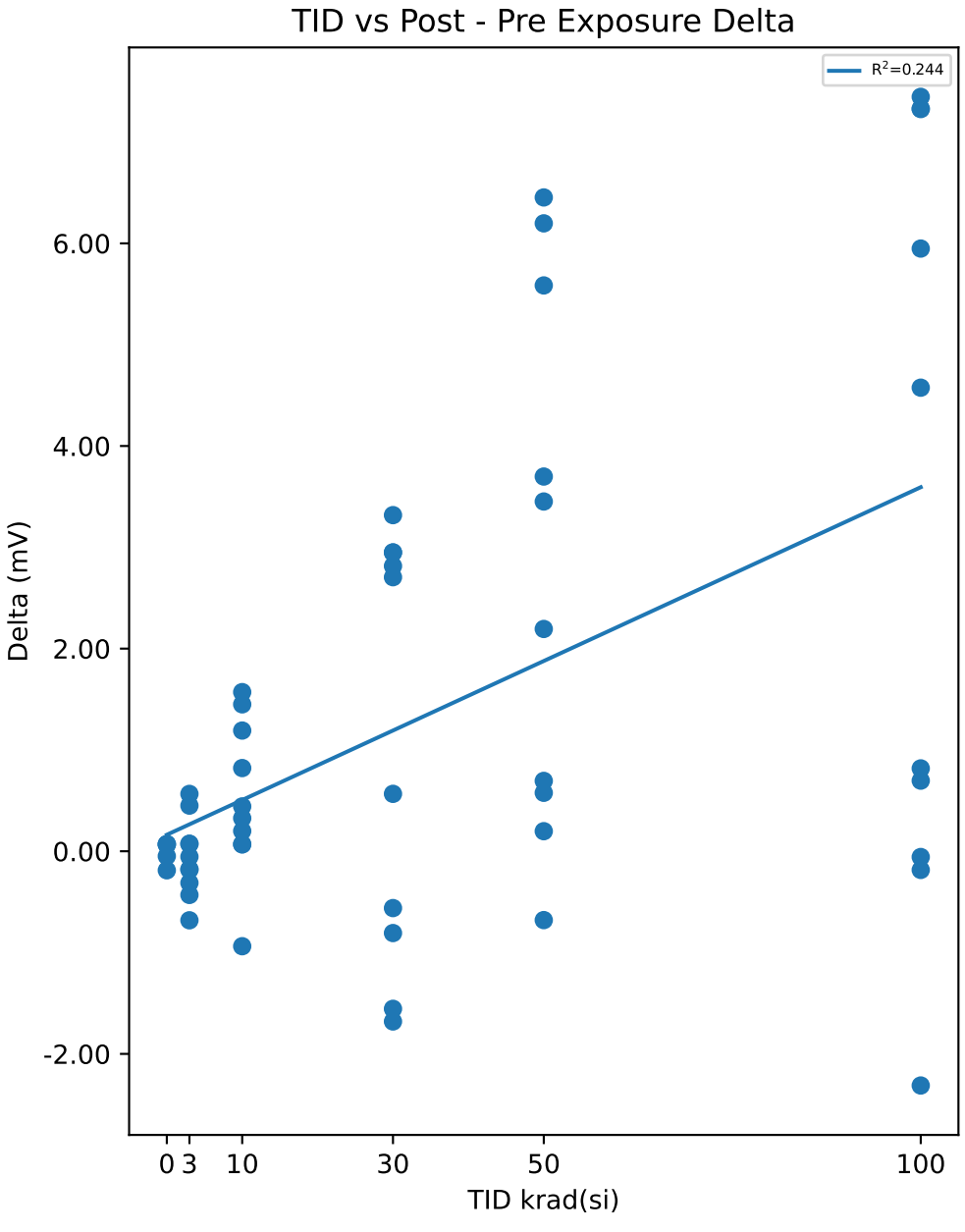
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	592.92	597.77	603.79	4.1654	592.74	597.85	604.38	4.4188	-0.176	0.08084	0.5895	0.29817
3	593.17	598.95	602.79	2.9055	593.24	598.87	602.88	2.8782	-0.5414	-0.08017	0.2057	0.27631
10	593.79	598.39	603.29	3.0149	593.49	599.12	603.5	3.236	-0.3	0.73219	1.7125	0.66761
30	593.29	598.18	604.41	3.2839	593.74	599.15	607.13	4.0741	-2.0432	0.96962	3.3302	2.2891
50	597.04	600.4	605.91	2.8582	598.5	603.04	611.13	4.1583	-1.0425	2.6365	6.3407	2.6143
100	594.92	597.85	601.41	2.1584	592.49	600.83	608.63	5.1167	-2.425	2.9707	7.2165	3.6136

Device Test: 13.49; VTH_MODE_FALL



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

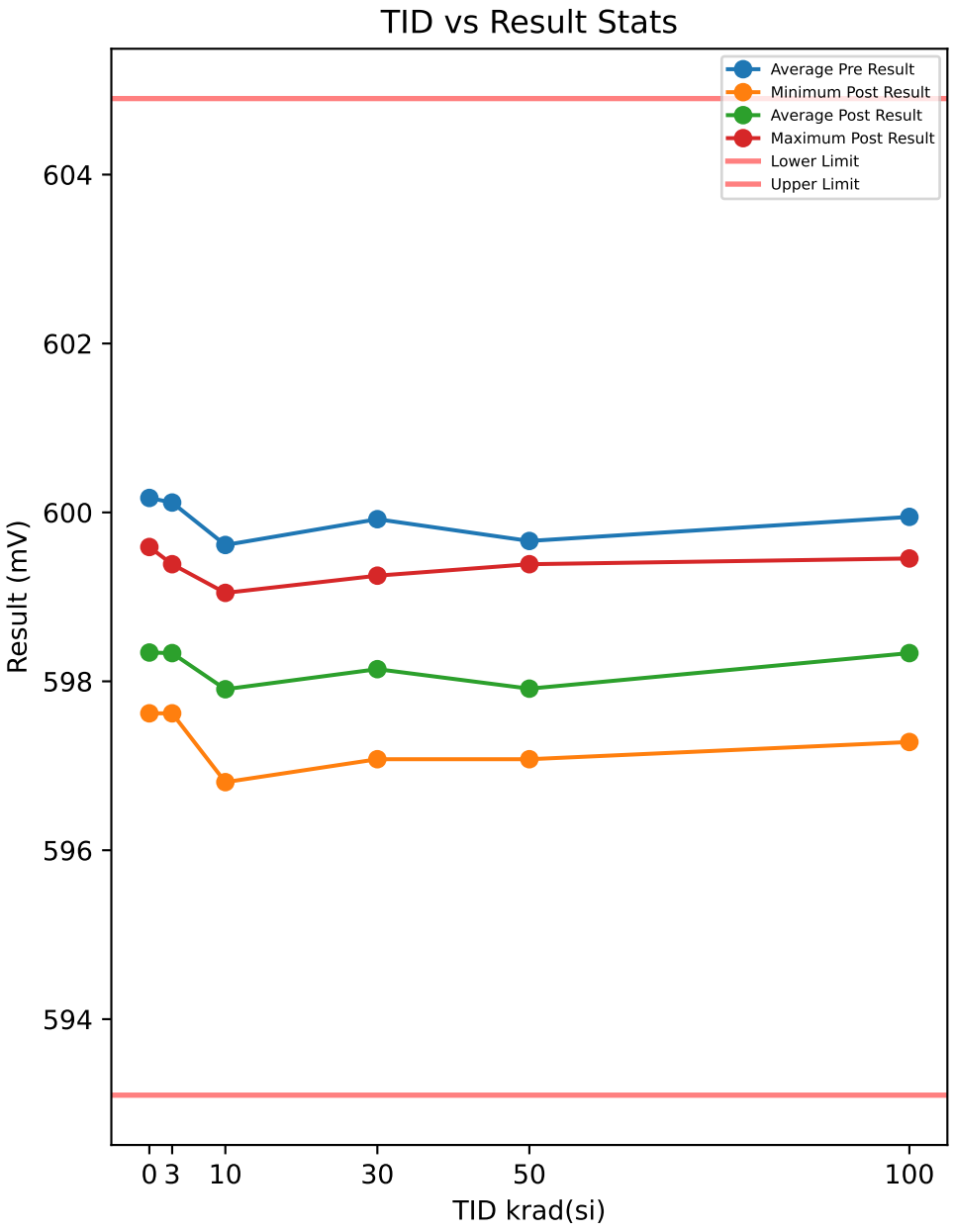
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	495.98	496.54	0.566
2	3	Biased	498.1	497.92	-0.1818
3	3	Biased	502.97	503.42	0.4505
4	3	Biased	494.23	493.92	-0.3121
5	3	Biased	501.85	501.92	0.0737
6	3	Unbiased	498.72	498.29	-0.4311
7	3	Unbiased	499.97	499.92	-0.054
8	3	Unbiased	501.22	501.3	0.0728
9	3	Unbiased	501.22	501.05	-0.1773
10	3	Unbiased	498.6	497.92	-0.6814
11	10	Biased	499.47	500.3	0.8211
12	10	Biased	495.85	497.04	1.1914
13	10	Biased	502.1	503.55	1.4501
14	10	Biased	498.85	500.42	1.5707
15	10	Biased	503.6	503.92	0.3263
16	10	Unbiased	497.1	497.54	0.4424
17	10	Unbiased	497.73	497.79	0.068
18	10	Unbiased	494.48	493.54	-0.9373
19	10	Unbiased	502.6	502.8	0.1999
20	10	Unbiased	498.72	498.79	0.0694
21	30	Biased	494.1	496.92	2.8152
22	30	Biased	495.6	498.92	3.3176
23	30	Biased	500.6	503.55	2.9493
24	30	Biased	500.22	503.17	2.9488
25	30	Biased	504.97	507.68	2.705
26	30	Unbiased	495.23	494.67	-0.5609
27	30	Unbiased	496.35	496.92	0.5666
28	30	Unbiased	497.98	497.17	-0.8074
29	30	Unbiased	500.22	498.54	-1.68
30	30	Unbiased	499.97	498.42	-1.5552
31	50	Biased	497.35	503.55	6.1974
32	50	Biased	501.47	507.93	6.4532
33	50	Biased	506.6	512.18	5.5847
34	50	Biased	502.35	505.8	3.452
35	50	Biased	499.6	503.3	3.6984
36	50	Unbiased	501.22	501.42	0.198
37	50	Unbiased	499.97	499.29	-0.6795
38	50	Unbiased	498.35	499.04	0.6944
39	50	Unbiased	497.23	499.42	2.194
40	50	Unbiased	503.97	504.55	0.577
41	100	Biased	501.85	509.18	7.3296
42	100	Biased	500.6	505.17	4.5755
43	100	Biased	498.35	504.3	5.9486
44	100	Biased	495.6	503.05	7.4459
45	100	Biased	499.1	506.43	7.3257
46	100	Unbiased	500.22	500.92	0.697
47	100	Unbiased	497.85	497.79	-0.0569
48	100	Unbiased	497.1	497.92	0.8177
49	100	Unbiased	496.23	496.04	-0.1843
50	100	Unbiased	495.35	493.04	-2.3121
51	0	Correlation	493.48	493.29	-0.188
52	0	Correlation	504.35	504.3	-0.0479
53	0	Correlation	500.22	500.3	0.0715
54	0	Correlation	497.73	497.79	0.068
55	0	Correlation	496.48	496.54	0.0663

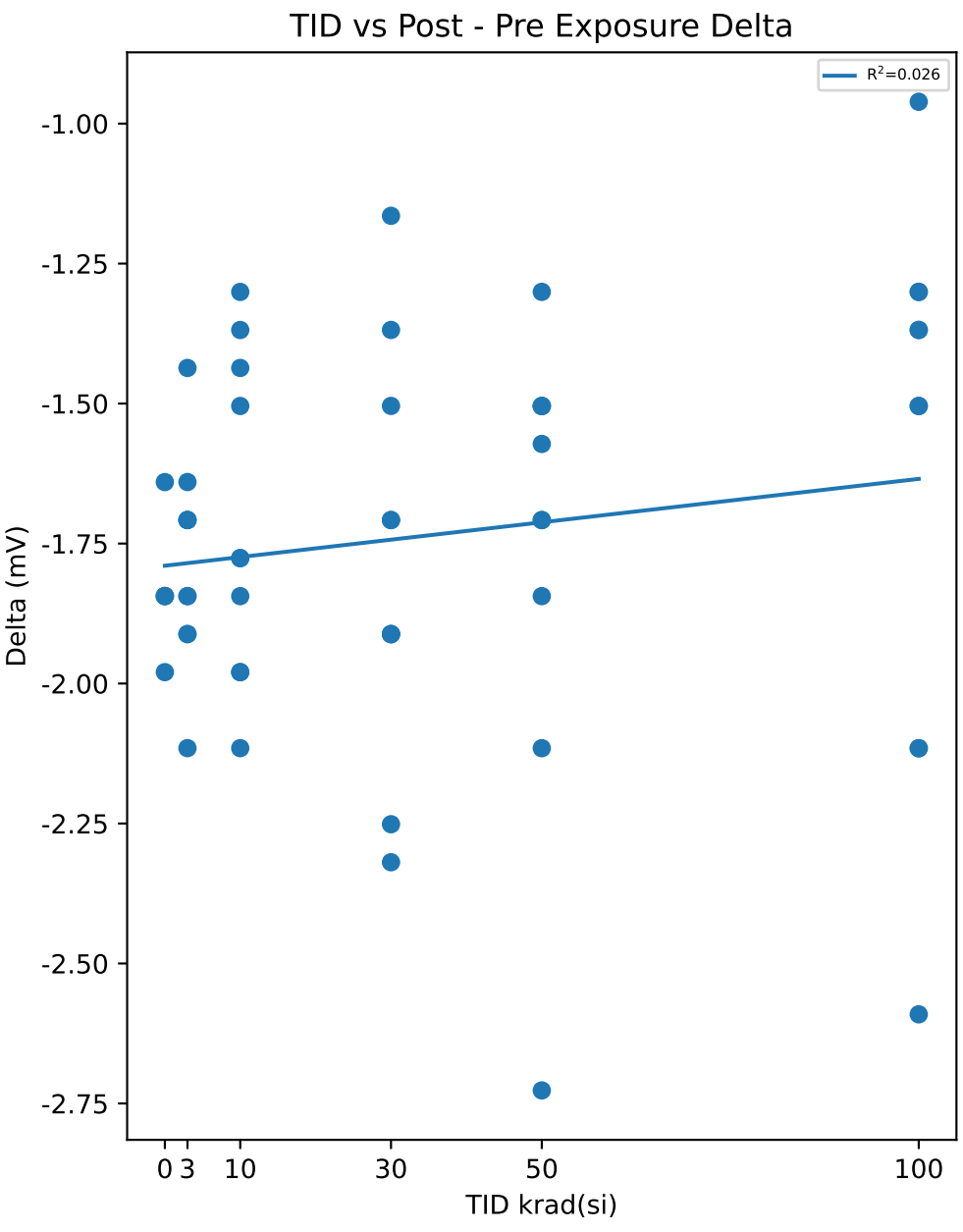


Test Statistics (mV)

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	493.48	498.45	504.35	4.0945	493.29	498.44	504.3	4.1325	-0.188	-0.00602	0.0715	0.11357
3	494.23	499.29	502.97	2.7257	493.92	499.22	503.42	2.8412	-0.6814	-0.06747	0.566	0.38057
10	494.48	499.05	503.6	2.9734	493.54	499.57	503.92	3.2839	-0.9373	0.5202	1.5707	0.75921
30	494.1	498.52	504.97	3.2954	494.67	499.59	507.68	3.9609	-1.68	1.0699	3.3176	2.0743
50	497.23	500.81	506.6	2.9715	499.04	503.65	512.18	4.2118	-0.6795	2.837	6.4532	2.6348
100	495.35	498.22	501.85	2.2129	493.04	501.38	509.18	5.1106	-2.3121	3.1587	7.4459	3.7404

Device Test: 13.5; VTH_SENSE





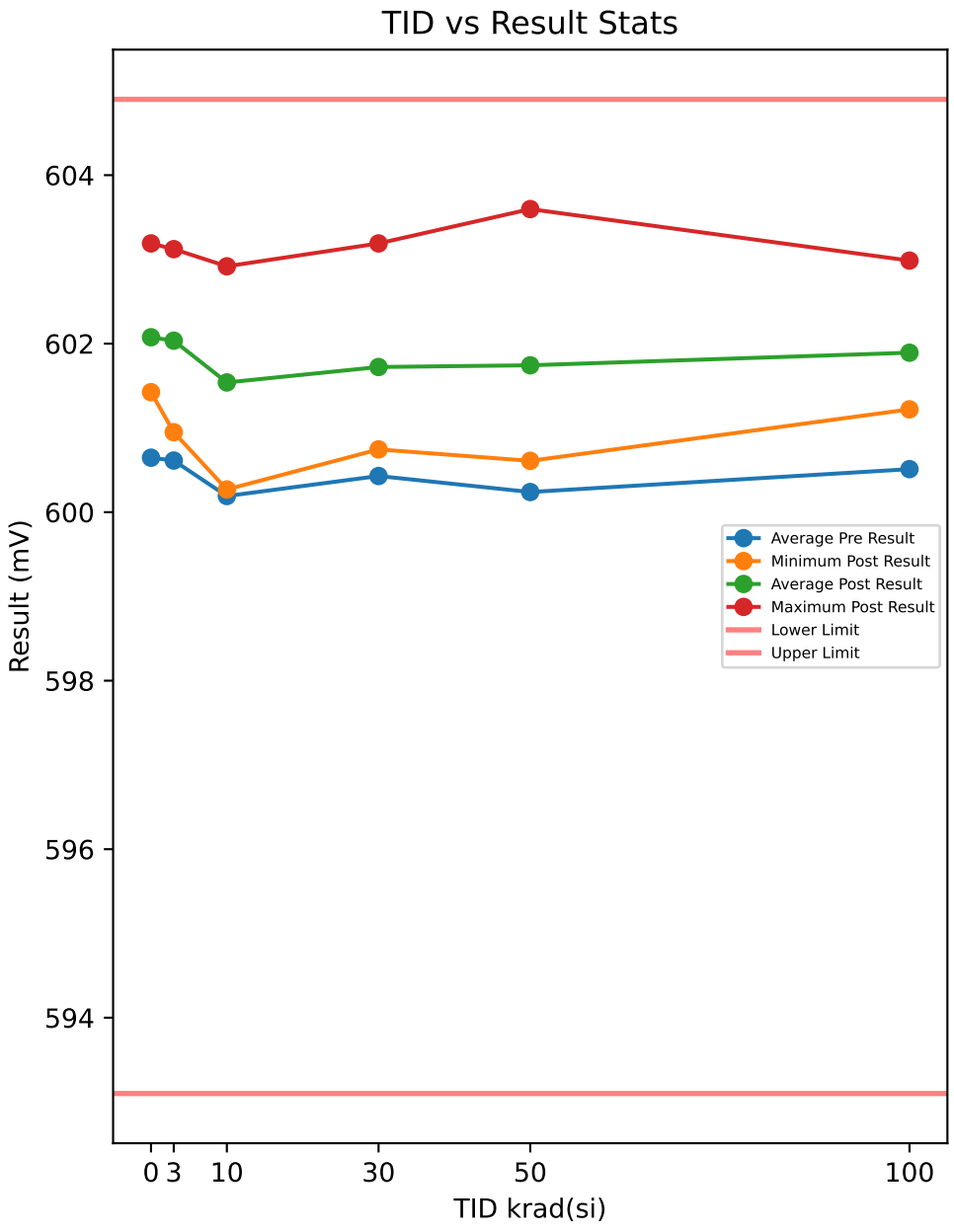
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

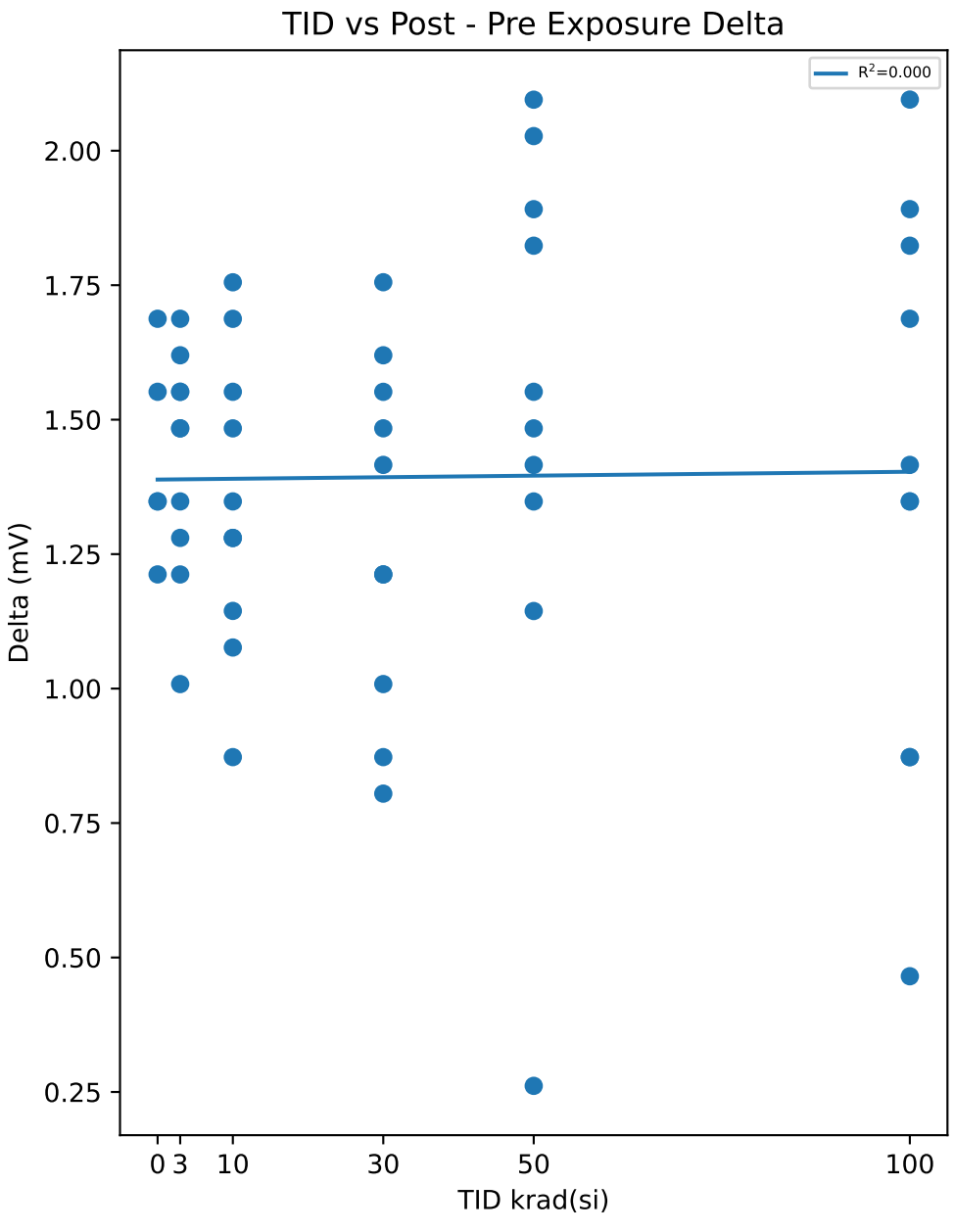
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	599.6	597.76	-1.8439
2	3	Biased	599.87	598.23	-1.6401
3	3	Biased	601.09	599.18	-1.9116
4	3	Biased	600.28	598.44	-1.8438
5	3	Biased	600.42	598.5	-1.9118
6	3	Unbiased	600.08	597.96	-2.1154
7	3	Unbiased	600.08	598.37	-1.708
8	3	Unbiased	599.33	597.89	-1.4364
9	3	Unbiased	601.09	599.39	-1.7079
10	3	Unbiased	599.33	597.62	-1.7081
11	10	Biased	599.74	597.76	-1.9797
12	10	Biased	598.79	597.28	-1.5043
13	10	Biased	599.6	598.16	-1.4364
14	10	Biased	600.21	598.37	-1.8439
15	10	Biased	600.14	598.84	-1.3006
16	10	Unbiased	598.92	597.15	-1.7761
17	10	Unbiased	599.8	598.03	-1.7759
18	10	Unbiased	601.16	599.05	-2.1154
19	10	Unbiased	598.99	597.62	-1.3686
20	10	Unbiased	598.79	596.81	-1.9797
21	30	Biased	599.33	597.42	-1.9118
22	30	Biased	600.21	598.84	-1.3685
23	30	Biased	601.16	599.25	-1.9116
24	30	Biased	599.8	598.1	-1.708
25	30	Biased	600.48	598.98	-1.5042
26	30	Unbiased	599.13	597.42	-1.7081
27	30	Unbiased	598.99	597.08	-1.9119
28	30	Unbiased	600.48	598.16	-2.3192
29	30	Unbiased	600.01	598.84	-1.1647
30	30	Unbiased	599.6	597.35	-2.2513
31	50	Biased	599.33	597.62	-1.7081
32	50	Biased	600.69	599.39	-1.3005
33	50	Biased	599.74	597.62	-2.1155
34	50	Biased	599.6	597.76	-1.8439
35	50	Biased	598.79	597.08	-1.7081
36	50	Unbiased	598.99	597.49	-1.5044
37	50	Unbiased	599.87	597.15	-2.7267
38	50	Unbiased	599.53	598.03	-1.5043
39	50	Unbiased	599.26	597.76	-1.5044
40	50	Unbiased	600.82	599.25	-1.5721
41	100	Biased	599.94	598.44	-1.5043
42	100	Biased	600.28	598.16	-2.1155
43	100	Biased	600.42	599.45	-0.961
44	100	Biased	600.01	598.71	-1.3005
45	100	Biased	599.53	598.16	-1.3685
46	100	Unbiased	600.21	598.84	-1.3685
47	100	Unbiased	599.94	597.82	-2.1156
48	100	Unbiased	599.94	598.64	-1.3006
49	100	Unbiased	599.33	597.82	-1.5044
50	100	Unbiased	599.87	597.28	-2.5908
51	0	Correlation	600.82	598.98	-1.8437
52	0	Correlation	601.43	599.59	-1.8437
53	0	Correlation	599.74	597.76	-1.9797
54	0	Correlation	599.4	597.76	-1.6402
55	0	Correlation	599.47	597.62	-1.8439

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	599.4	600.17	601.43	0.90925	597.62	598.34	599.59	0.89014	-1.9797	-1.8302	-1.6402	0.12145
3	599.33	600.12	601.09	0.63232	597.62	598.33	599.39	0.58266	-2.1154	-1.7827	-1.4364	0.18513
10	598.79	599.61	601.16	0.76946	596.81	597.91	599.05	0.72705	-2.1154	-1.7081	-1.3006	0.28631
30	598.99	599.92	601.16	0.68584	597.08	598.14	599.25	0.79781	-2.3192	-1.7759	-1.1647	0.36502
50	598.79	599.66	600.82	0.66337	597.08	597.91	599.39	0.79331	-2.7267	-1.7488	-1.3005	0.41022
100	599.33	599.95	600.42	0.32716	597.28	598.33	599.45	0.61849	-2.5908	-1.613	-0.961	0.49718

Device Test: 13.6; VTH_SENSE





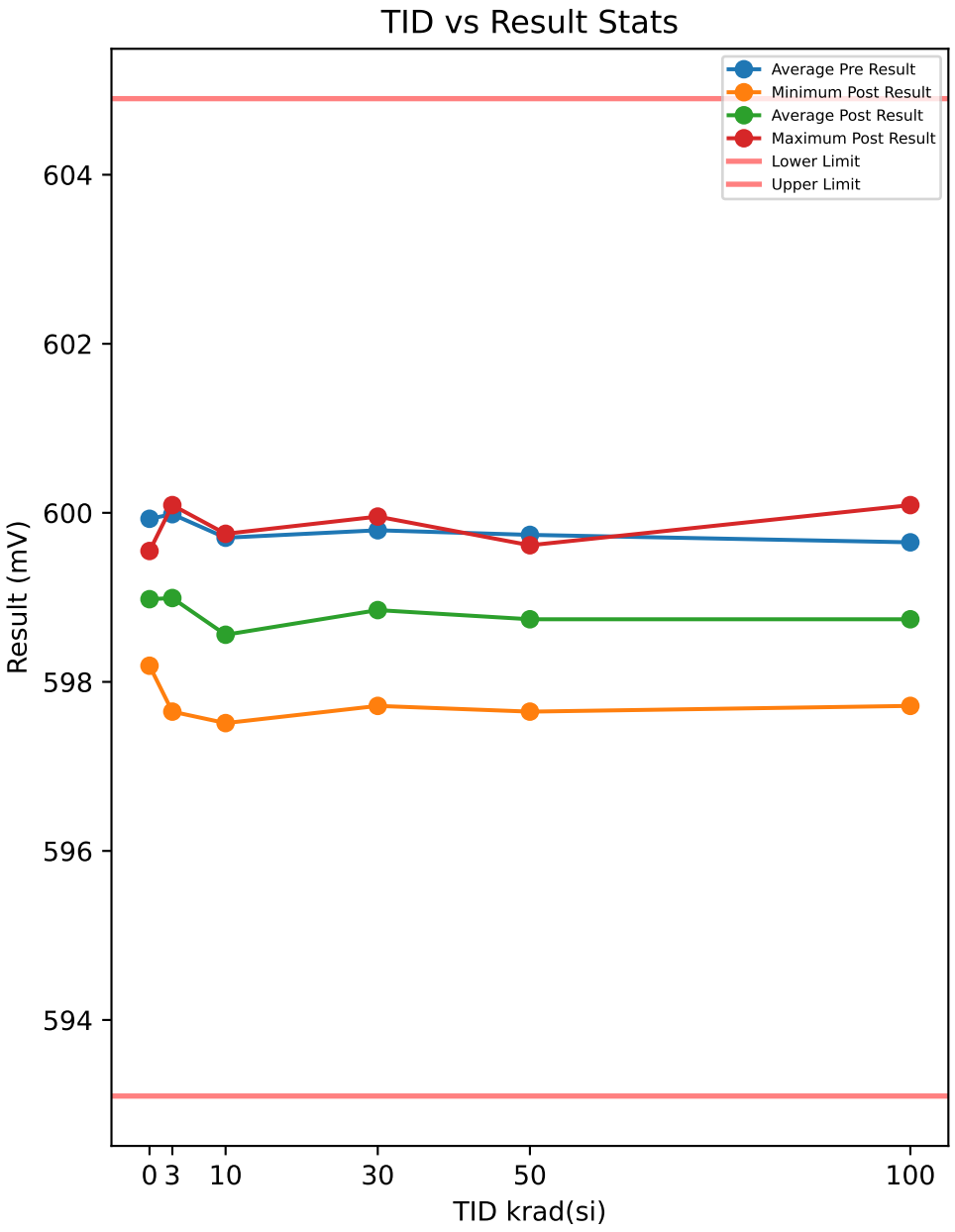
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

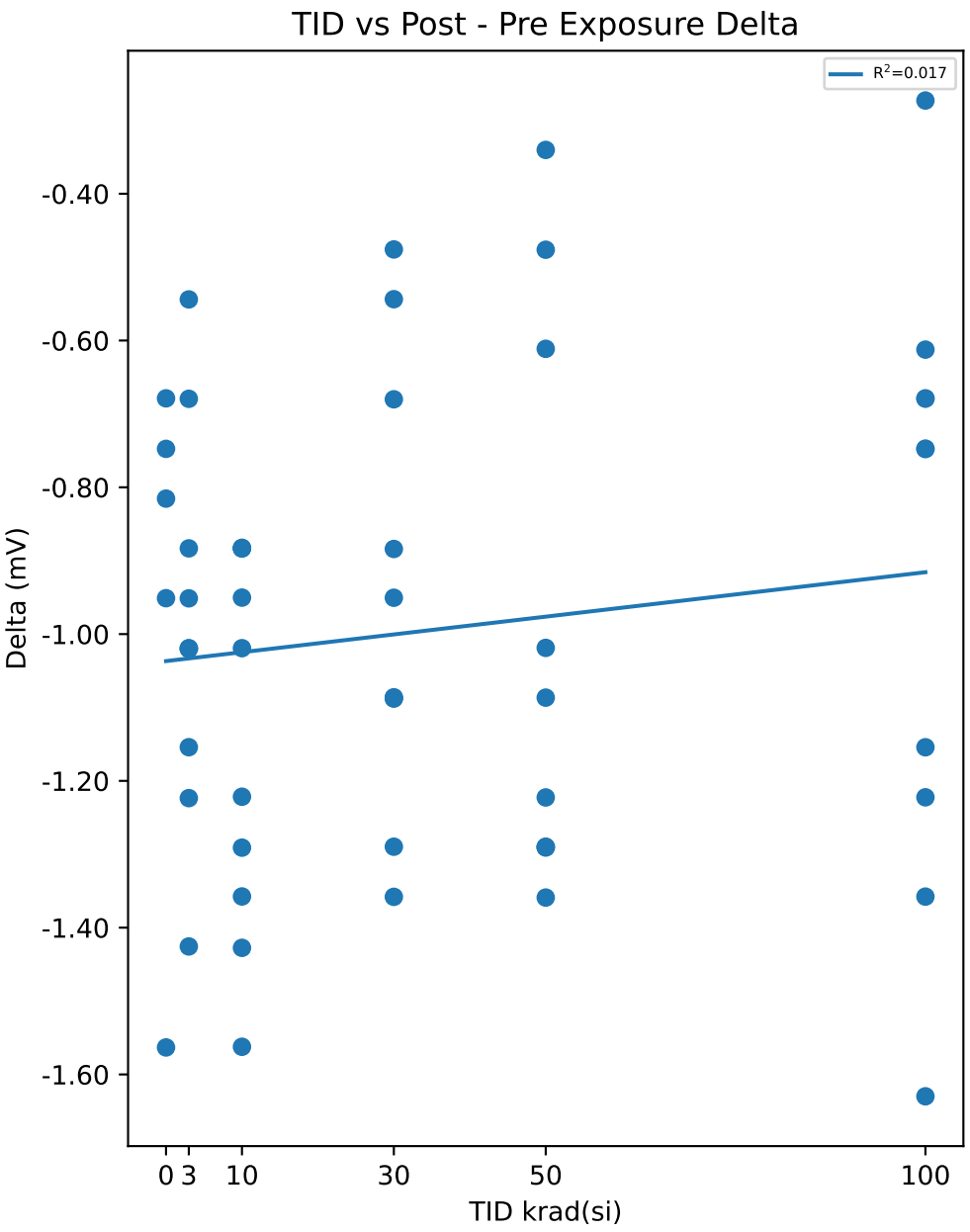
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.01	601.36	1.348
2	3	Biased	600.55	601.76	1.2122
3	3	Biased	601.64	602.92	1.2802
4	3	Biased	600.76	602.31	1.5518
5	3	Biased	600.89	602.44	1.5518
6	3	Unbiased	600.48	601.97	1.4839
7	3	Unbiased	600.55	602.24	1.6876
8	3	Unbiased	599.8	601.29	1.4838
9	3	Unbiased	601.5	603.12	1.6197
10	3	Unbiased	599.94	600.95	1.0084
11	10	Biased	600.14	601.42	1.2801
12	10	Biased	599.33	600.61	1.28
13	10	Biased	600.28	601.76	1.4838
14	10	Biased	600.69	601.76	1.0764
15	10	Biased	600.82	602.37	1.5518
16	10	Unbiased	599.4	601.15	1.7554
17	10	Unbiased	600.35	602.04	1.6875
18	10	Unbiased	601.77	602.92	1.1444
19	10	Unbiased	599.74	601.08	1.348
20	10	Unbiased	599.4	600.27	0.8726
21	30	Biased	599.87	600.75	0.8726
22	30	Biased	600.76	602.24	1.4839
23	30	Biased	601.57	603.19	1.6197
24	30	Biased	600.21	601.97	1.7555
25	30	Biased	600.89	602.1	1.2122
26	30	Unbiased	599.74	600.75	1.0084
27	30	Unbiased	599.53	600.95	1.4159
28	30	Unbiased	601.03	602.24	1.2123
29	30	Unbiased	600.55	602.1	1.5517
30	30	Unbiased	600.14	600.95	0.8047
31	50	Biased	599.94	602.04	2.0949
32	50	Biased	601.23	603.12	1.8913
33	50	Biased	600.08	601.63	1.5518
34	50	Biased	600.21	601.7	1.4838
35	50	Biased	599.33	600.75	1.4158
36	50	Unbiased	599.6	601.42	1.8234
37	50	Unbiased	600.35	600.61	0.2614
38	50	Unbiased	600.14	601.29	1.1442
39	50	Unbiased	599.94	601.29	1.3479
40	50	Unbiased	601.57	603.6	2.0272
41	100	Biased	600.42	601.83	1.4159
42	100	Biased	601.03	601.49	0.4652
43	100	Biased	600.89	602.99	2.0951
44	100	Biased	600.62	602.44	1.8234
45	100	Biased	600.08	601.97	1.8914
46	100	Unbiased	600.55	602.24	1.6876
47	100	Unbiased	600.42	601.29	0.8726
48	100	Unbiased	600.76	602.1	1.348
49	100	Unbiased	600.01	601.36	1.348
50	100	Unbiased	600.35	601.22	0.8726
51	0	Correlation	601.3	602.65	1.348
52	0	Correlation	601.98	603.19	1.2123
53	0	Correlation	600.08	601.42	1.3481
54	0	Correlation	600.01	601.7	1.6876
55	0	Correlation	599.87	601.42	1.5518

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	599.87	600.65	601.98	0.93924	601.42	602.08	603.19	0.80004	1.2123	1.4296	1.6876	0.18843
3	599.8	600.61	601.64	0.61779	600.95	602.04	603.12	0.70865	1.0084	1.4227	1.6876	0.2086
10	599.33	600.19	601.77	0.77428	600.27	601.54	602.92	0.80228	0.8726	1.348	1.7554	0.27722
30	599.53	600.43	601.57	0.64246	600.75	601.72	603.19	0.82629	0.8047	1.2937	1.7555	0.32461
50	599.33	600.24	601.57	0.68448	600.61	601.74	603.6	0.95669	0.2614	1.5042	2.0949	0.53575
100	600.01	600.51	601.03	0.32833	601.22	601.89	602.99	0.5713	0.4652	1.382	2.0951	0.51846

Device Test: 13.7; VTH_SENSE





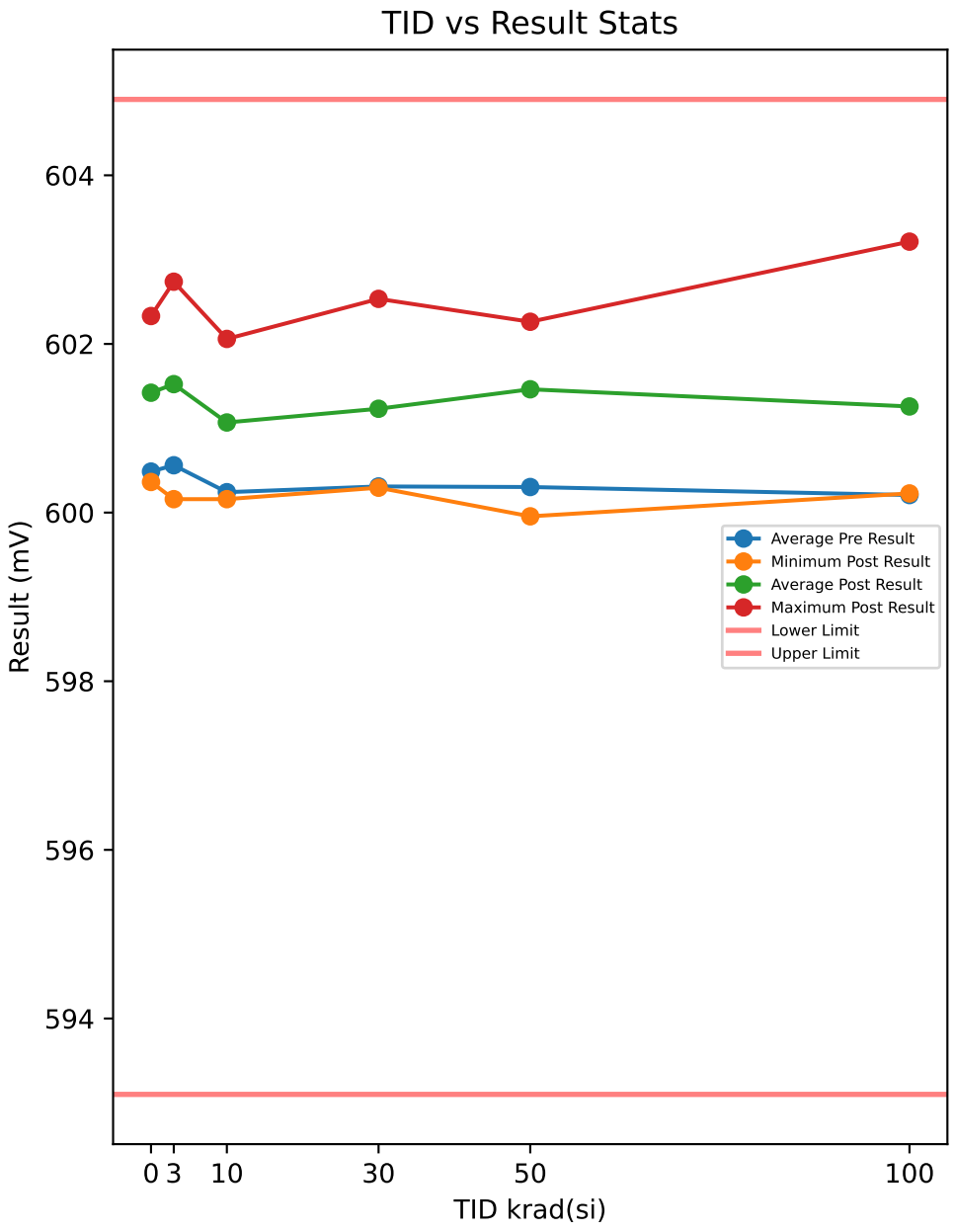
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

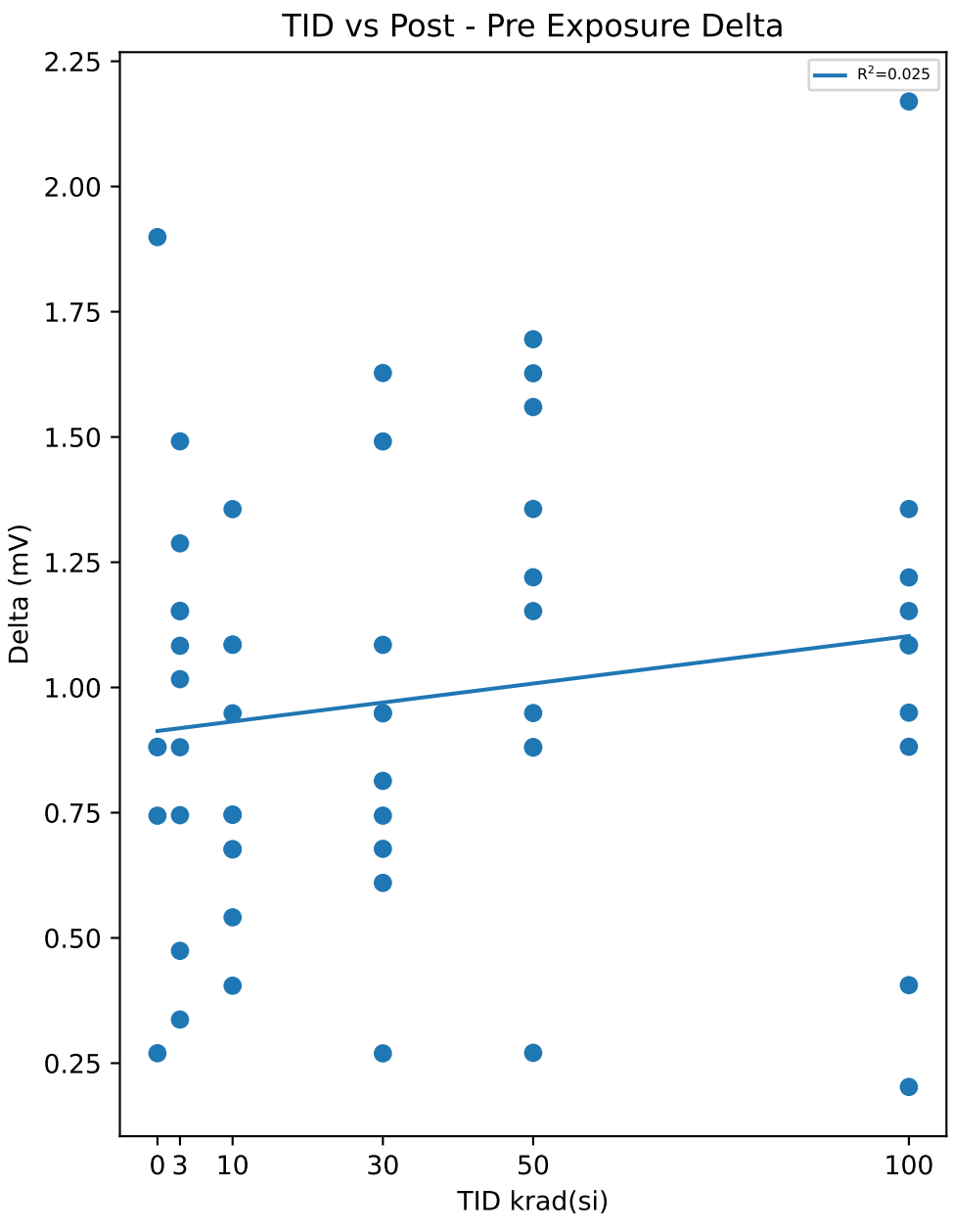
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	599.07	597.65	-1.4256
2	3	Biased	600.77	599.55	-1.2235
3	3	Biased	601.11	600.09	-1.0202
4	3	Biased	599.82	598.94	-0.8832
5	3	Biased	600.09	599.14	-0.9513
6	3	Unbiased	600.36	599.34	-1.0196
7	3	Unbiased	599.89	599.34	-0.544
8	3	Unbiased	599.62	598.94	-0.6794
9	3	Unbiased	600.02	599.01	-1.0192
10	3	Unbiased	599.07	597.92	-1.1541
11	10	Biased	600.23	598.67	-1.5623
12	10	Biased	598.94	597.99	-0.9503
13	10	Biased	599.82	598.94	-0.8832
14	10	Biased	600.36	599.07	-1.291
15	10	Biased	599.89	599.01	-0.8833
16	10	Unbiased	598.73	597.51	-1.2216
17	10	Unbiased	600.09	599.07	-1.0192
18	10	Unbiased	601.18	599.75	-1.4275
19	10	Unbiased	598.87	597.99	-0.8824
20	10	Unbiased	598.94	597.58	-1.3575
21	30	Biased	599.01	597.72	-1.2897
22	30	Biased	599.55	599.01	-0.5437
23	30	Biased	601.04	599.96	-1.0879
24	30	Biased	599.75	599.28	-0.4759
25	30	Biased	600.57	599.68	-0.884
26	30	Unbiased	599.21	598.26	-0.9505
27	30	Unbiased	598.94	597.85	-1.0861
28	30	Unbiased	600.16	599.07	-1.0872
29	30	Unbiased	600.3	599.62	-0.6801
30	30	Unbiased	599.41	598.06	-1.358
31	50	Biased	599.35	598.73	-0.6113
32	50	Biased	600.64	599.28	-1.359
33	50	Biased	599.48	598.19	-1.2902
34	50	Biased	599.55	598.46	-1.0866
35	50	Biased	599.82	598.6	-1.2226
36	50	Unbiased	599.68	599.34	-0.3403
37	50	Unbiased	598.94	597.65	-1.2897
38	50	Unbiased	599.62	598.6	-1.0188
39	50	Unbiased	600.23	598.94	-1.2908
40	50	Unbiased	600.09	599.62	-0.4763
41	100	Biased	599.14	598.46	-0.679
42	100	Biased	599.07	597.72	-1.3577
43	100	Biased	600.36	600.09	-0.273
44	100	Biased	600.23	599.48	-0.7479
45	100	Biased	599.55	598.8	-0.7473
46	100	Unbiased	600.36	599.75	-0.6124
47	100	Unbiased	599.55	598.33	-1.2224
48	100	Unbiased	599.21	598.53	-0.679
49	100	Unbiased	599.21	598.06	-1.1542
50	100	Unbiased	599.82	598.19	-1.6298
51	0	Correlation	599.96	599.21	-0.7476
52	0	Correlation	601.11	599.55	-1.5632
53	0	Correlation	599.89	598.94	-0.9511
54	0	Correlation	599.82	599.01	-0.8154
55	0	Correlation	598.87	598.19	-0.6788

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	598.87	599.93	601.11	0.79597	598.19	598.98	599.55	0.50009	-1.5632	-0.95122	-0.6788	0.3566
3	599.07	599.98	601.11	0.65642	597.65	598.99	600.09	0.72661	-1.4256	-0.99201	-0.544	0.25432
10	598.73	599.71	601.18	0.80952	597.51	598.56	599.75	0.74634	-1.5623	-1.1478	-0.8824	0.25515
30	598.94	599.79	601.04	0.7032	597.72	598.85	599.96	0.81823	-1.358	-0.94431	-0.4759	0.29906
50	598.94	599.74	600.64	0.48224	597.65	598.74	599.62	0.58422	-1.359	-0.99856	-0.3403	0.37999
100	599.07	599.65	600.36	0.51463	597.72	598.74	600.09	0.78266	-1.6298	-0.91027	-0.273	0.41225

Device Test: 13.8; VTH_SENSE





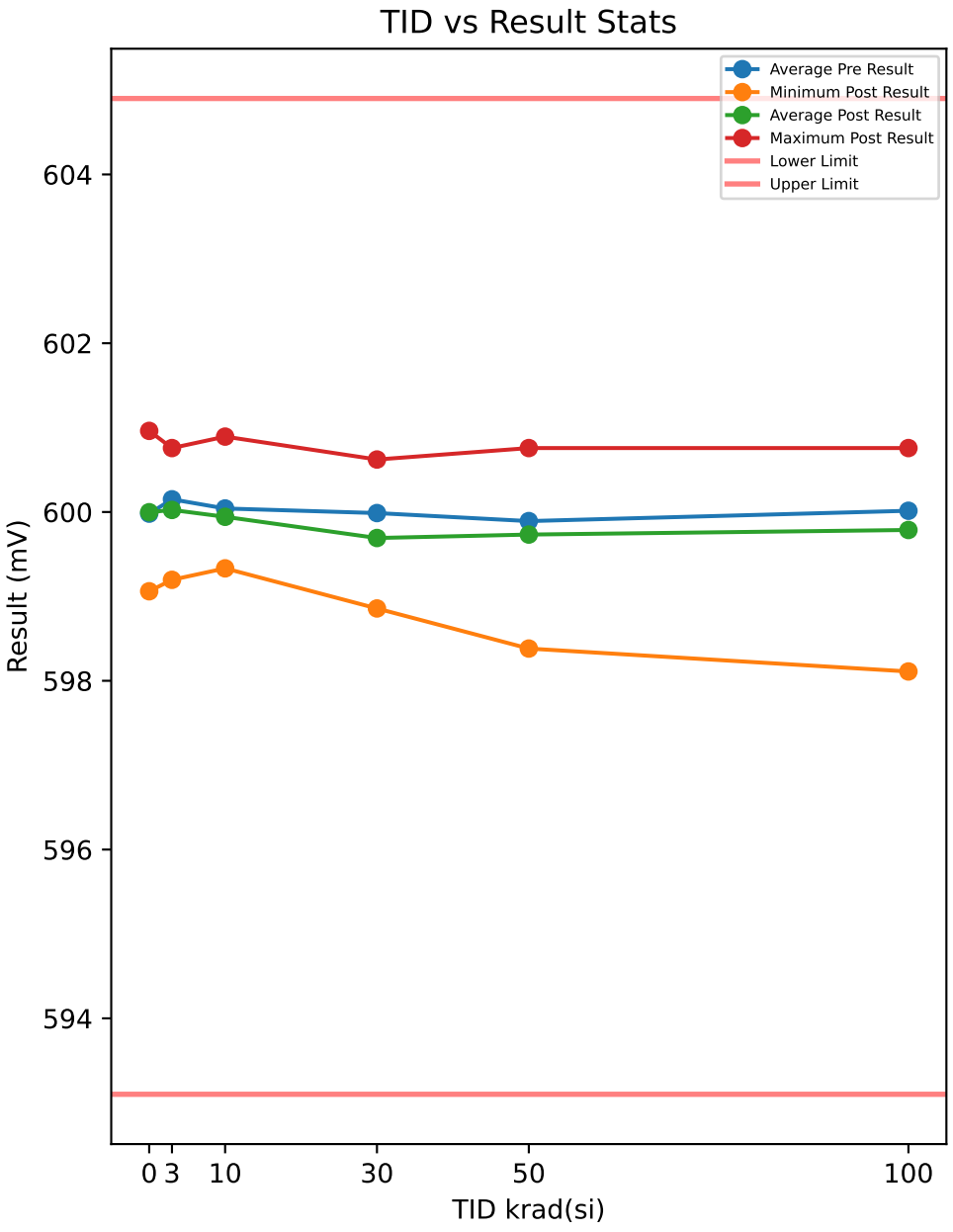
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

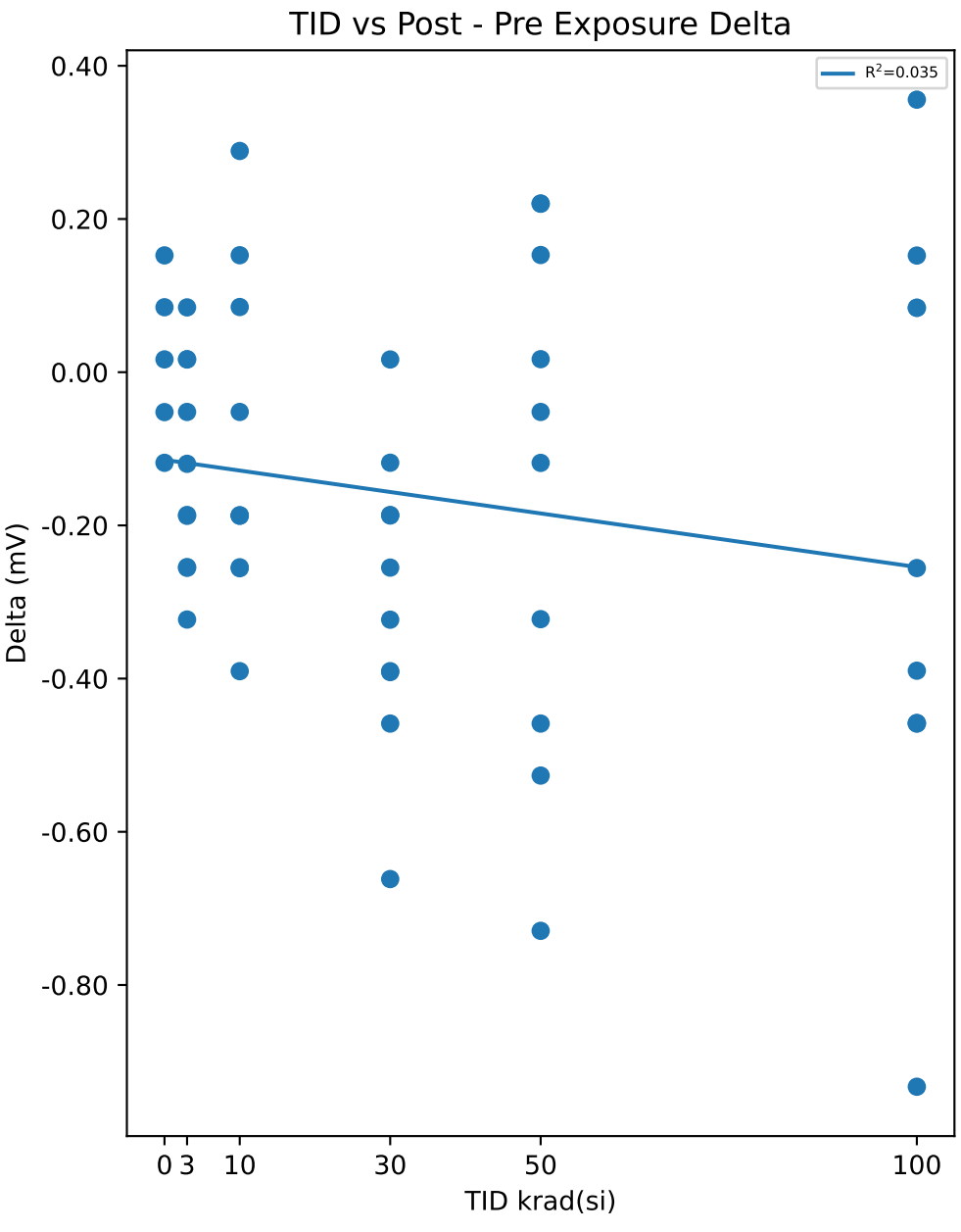
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	599.75	600.91	1.1529
2	3	Biased	601.32	601.65	0.337
3	3	Biased	601.65	602.74	1.0832
4	3	Biased	600.43	601.45	1.0165
5	3	Biased	600.57	601.45	0.8806
6	3	Unbiased	600.7	602.2	1.4913
7	3	Unbiased	600.43	601.58	1.1522
8	3	Unbiased	600.36	601.11	0.745
9	3	Unbiased	600.7	601.99	1.2877
10	3	Unbiased	599.68	600.16	0.4742
11	10	Biased	600.77	601.45	0.6769
12	10	Biased	599.41	600.16	0.746
13	10	Biased	600.36	601.72	1.3559
14	10	Biased	600.84	601.38	0.5411
15	10	Biased	600.64	601.31	0.677
16	10	Unbiased	599.41	600.5	1.0853
17	10	Unbiased	600.57	601.52	0.9484
18	10	Unbiased	601.65	602.06	0.4046
19	10	Unbiased	599.41	600.16	0.746
20	10	Unbiased	599.35	600.43	1.0854
21	30	Biased	599.68	600.77	1.085
22	30	Biased	600.09	601.72	1.6277
23	30	Biased	601.52	602.26	0.7441
24	30	Biased	600.09	601.04	0.9489
25	30	Biased	601.04	602.53	1.4911
26	30	Unbiased	599.68	600.5	0.8135
27	30	Unbiased	599.68	600.29	0.6099
28	30	Unbiased	600.7	601.65	0.9484
29	30	Unbiased	600.91	601.18	0.2695
30	30	Unbiased	599.68	600.36	0.6778
31	50	Biased	599.96	601.31	1.3563
32	50	Biased	601.38	602.26	0.8799
33	50	Biased	600.02	600.91	0.8811
34	50	Biased	600.02	601.58	1.5598
35	50	Biased	600.09	601.04	0.9489
36	50	Unbiased	600.57	601.79	1.2199
37	50	Unbiased	599.68	599.96	0.2706
38	50	Unbiased	600.16	601.31	1.1524
39	50	Unbiased	600.5	602.2	1.6951
40	50	Unbiased	600.64	602.26	1.6272
41	100	Biased	599.55	600.43	0.8816
42	100	Biased	599.28	600.23	0.9497
43	100	Biased	601.04	603.21	2.1698
44	100	Biased	600.7	601.79	1.0841
45	100	Biased	600.09	601.25	1.1525
46	100	Unbiased	601.04	602.26	1.2196
47	100	Unbiased	600.02	600.23	0.2025
48	100	Unbiased	600.02	601.38	1.3562
49	100	Unbiased	599.96	601.04	1.0848
50	100	Unbiased	600.36	600.77	0.4057
51	0	Correlation	600.57	601.45	0.8806
52	0	Correlation	601.59	602.33	0.744
53	0	Correlation	600.23	602.13	1.899
54	0	Correlation	600.57	600.84	0.2698
55	0	Correlation	599.48	600.36	0.8816

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	599.48	600.49	601.59	0.75856	600.36	601.42	602.33	0.83481	0.2698	0.935	1.899	0.59458
3	599.68	600.56	601.65	0.60543	600.16	601.52	602.74	0.71427	0.337	0.96206	1.4913	0.35883
10	599.35	600.24	601.65	0.80107	600.16	601.07	602.06	0.69078	0.4046	0.82666	1.3559	0.28796
30	599.68	600.31	601.52	0.68062	600.29	601.23	602.53	0.78877	0.2695	0.92159	1.6277	0.40498
50	599.68	600.3	601.38	0.484	599.96	601.46	602.26	0.7259	0.2706	1.1591	1.6951	0.43442
100	599.28	600.21	601.04	0.58788	600.23	601.26	603.21	0.95595	0.2025	1.0507	2.1698	0.53345

Device Test: 13.9; VTH_SENSE





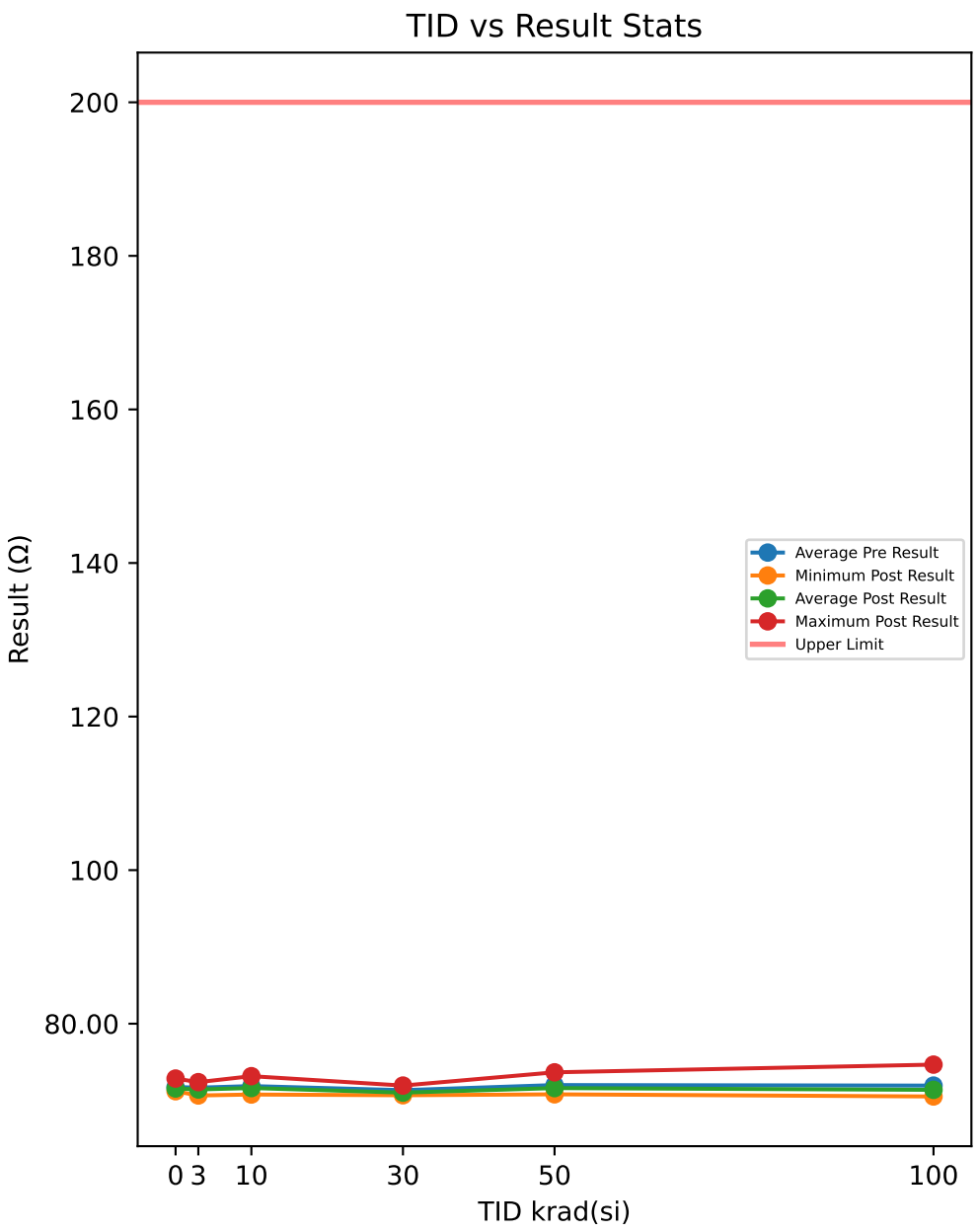
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	599.52	599.26	-0.2544
2	3	Biased	600.61	600.35	-0.2554
3	3	Biased	600.81	600.76	-0.0519
4	3	Biased	600.61	600.49	-0.1196
5	3	Biased	600.13	600.15	0.0166
6	3	Unbiased	600.27	599.94	-0.3229
7	3	Unbiased	599.93	600.01	0.0846
8	3	Unbiased	599.65	599.67	0.017
9	3	Unbiased	600.61	600.42	-0.1875
10	3	Unbiased	599.38	599.2	-0.1864
11	10	Biased	599.72	599.54	-0.1867
12	10	Biased	599.86	599.6	-0.2547
13	10	Biased	600.74	600.69	-0.0519
14	10	Biased	600.54	600.35	-0.1874
15	10	Biased	600.33	600.15	-0.1872
16	10	Unbiased	599.31	599.6	0.2888
17	10	Unbiased	599.65	599.81	0.1527
18	10	Unbiased	601.15	600.89	-0.2559
19	10	Unbiased	599.38	599.47	0.0851
20	10	Unbiased	599.72	599.33	-0.3903
21	30	Biased	599.52	598.86	-0.6617
22	30	Biased	600.47	600.15	-0.3231
23	30	Biased	601.01	600.62	-0.3915
24	30	Biased	600.2	600.01	-0.1871
25	30	Biased	600.33	600.08	-0.2551
26	30	Unbiased	599.38	599.2	-0.1864
27	30	Unbiased	599.04	598.92	-0.1182
28	30	Unbiased	600.27	599.81	-0.4587
29	30	Unbiased	600.06	600.08	0.0166
30	30	Unbiased	599.59	599.2	-0.3903
31	50	Biased	599.25	599.13	-0.1184
32	50	Biased	600.81	600.76	-0.0519
33	50	Biased	599.65	599.33	-0.3224
34	50	Biased	600.27	599.81	-0.4587
35	50	Biased	600.27	599.74	-0.5266
36	50	Unbiased	600.54	600.76	0.2199
37	50	Unbiased	599.11	598.38	-0.7293
38	50	Unbiased	599.31	599.47	0.153
39	50	Unbiased	599.59	599.6	0.017
40	50	Unbiased	600.13	600.35	0.2202
41	100	Biased	600.2	599.74	-0.4587
42	100	Biased	599.04	598.11	-0.9328
43	100	Biased	600.27	600.42	0.1523
44	100	Biased	601.01	600.76	-0.2557
45	100	Biased	598.98	598.59	-0.3897
46	100	Unbiased	600.47	600.55	0.0841
47	100	Unbiased	599.86	599.4	-0.4584
48	100	Unbiased	600.4	600.76	0.3558
49	100	Unbiased	600.54	600.62	0.0841
50	100	Unbiased	599.38	598.92	-0.4579
51	0	Correlation	601.01	600.96	-0.0521
52	0	Correlation	599.72	599.81	0.0848
53	0	Correlation	599.99	600.01	0.0167
54	0	Correlation	599.99	600.15	0.1525
55	0	Correlation	599.18	599.06	-0.1183

Test Statistics (mV)

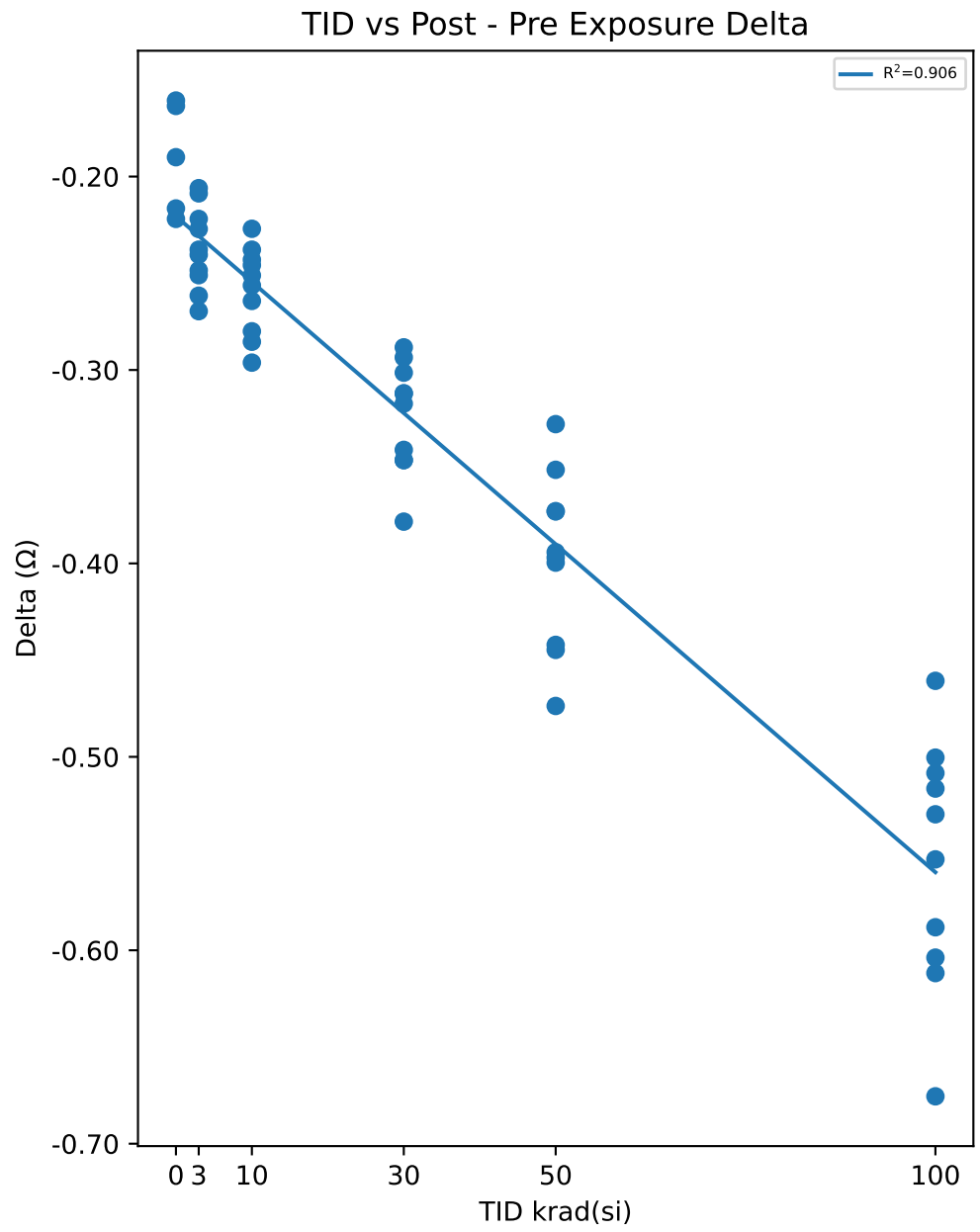
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	599.18	599.98	601.01	0.66638	599.06	600	600.96	0.68285	-0.1183	0.01672	0.1525	0.10728
3	599.38	600.15	600.81	0.5115	599.2	600.02	600.76	0.51876	-0.3229	-0.12599	0.0846	0.13748
10	599.31	600.04	601.15	0.61445	599.33	599.94	600.89	0.54587	-0.3903	-0.09875	0.2888	0.21262
30	599.04	599.99	601.01	0.59355	598.86	599.69	600.62	0.60212	-0.6617	-0.29555	0.0166	0.19259
50	599.11	599.89	600.81	0.58728	598.38	599.73	600.76	0.73979	-0.7293	-0.15972	0.2202	0.33428
100	598.98	600.01	601.01	0.68095	598.11	599.79	600.76	0.98424	-0.9328	-0.22769	0.3558	0.38917

Device Test: 18.11; PWRGD_RNMOS_OD



Test Results (Upper Limit = 200.0 (Ω))

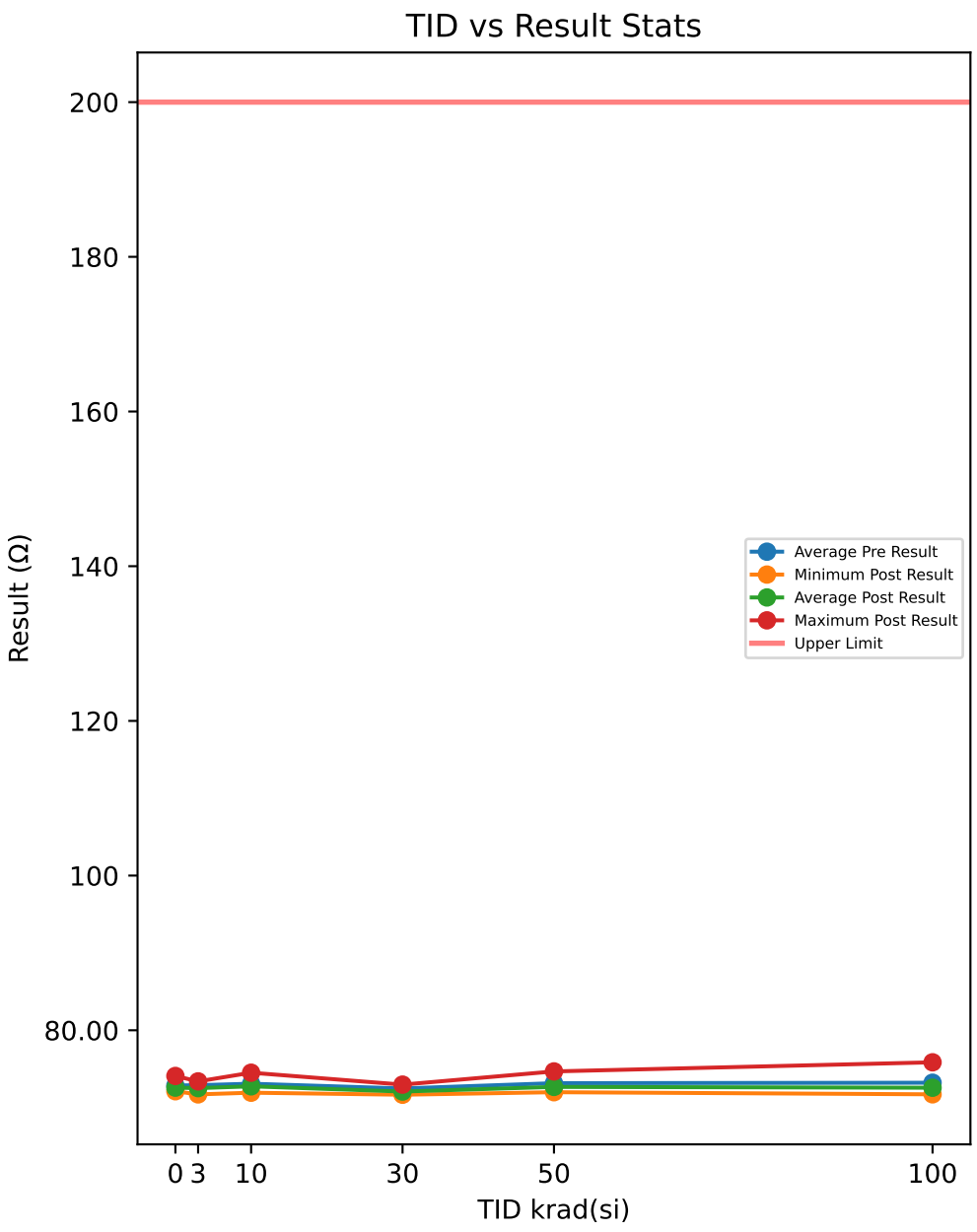
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	71.082	70.86	-0.2219
2	3	Biased	71.735	71.465	-0.2696
3	3	Biased	72.011	71.773	-0.2378
4	3	Biased	71.95	71.699	-0.251
5	3	Biased	70.899	70.651	-0.2485
6	3	Unbiased	71.326	71.12	-0.206
7	3	Unbiased	72.615	72.388	-0.2271
8	3	Unbiased	71.18	70.972	-0.2087
9	3	Unbiased	71.674	71.433	-0.2404
10	3	Unbiased	72.228	71.966	-0.2616
11	10	Biased	71.308	71.056	-0.2511
12	10	Biased	71.072	70.775	-0.2962
13	10	Biased	71.435	71.179	-0.2563
14	10	Biased	71.207	70.961	-0.2458
15	10	Biased	71.496	71.258	-0.2378
16	10	Unbiased	72.141	71.855	-0.2854
17	10	Unbiased	73.446	73.166	-0.28
18	10	Unbiased	72.233	71.99	-0.243
19	10	Unbiased	71.74	71.476	-0.2643
20	10	Unbiased	72.703	72.476	-0.227
21	30	Biased	71.098	70.81	-0.2883
22	30	Biased	71.207	70.895	-0.3121
23	30	Biased	72.244	71.943	-0.3014
24	30	Biased	71.814	71.436	-0.3784
25	30	Biased	71.026	70.68	-0.3466
26	30	Unbiased	71.35	71.004	-0.3466
27	30	Unbiased	71.17	70.858	-0.3121
28	30	Unbiased	71.005	70.712	-0.2935
29	30	Unbiased	71.398	71.056	-0.3413
30	30	Unbiased	71.127	70.81	-0.3174
31	50	Biased	73.276	72.802	-0.4737
32	50	Biased	71.13	70.802	-0.328
33	50	Biased	71.483	71.041	-0.4421
34	50	Biased	74.019	73.667	-0.3516
35	50	Biased	72.459	72.065	-0.3942
36	50	Unbiased	71.578	71.179	-0.3996
37	50	Unbiased	71.591	71.218	-0.3731
38	50	Unbiased	71.39	70.993	-0.397
39	50	Unbiased	71.435	70.99	-0.4447
40	50	Unbiased	71.727	71.354	-0.373
41	100	Biased	71.225	70.709	-0.5164
42	100	Biased	71.212	70.712	-0.5004
43	100	Biased	71.594	71.086	-0.5084
44	100	Biased	72.024	71.42	-0.6038
45	100	Biased	71.109	70.521	-0.5881
46	100	Unbiased	71.912	71.237	-0.6755
47	100	Unbiased	75.223	74.67	-0.553
48	100	Unbiased	72.61	71.998	-0.6118
49	100	Unbiased	71.141	70.611	-0.5297
50	100	Unbiased	71.34	70.879	-0.4607
51	0	Correlation	71.432	71.269	-0.1635
52	0	Correlation	73.016	72.855	-0.1607
53	0	Correlation	71.44	71.218	-0.2219
54	0	Correlation	71.419	71.203	-0.2165
55	0	Correlation	71.459	71.269	-0.19



Test Statistics (Ω)

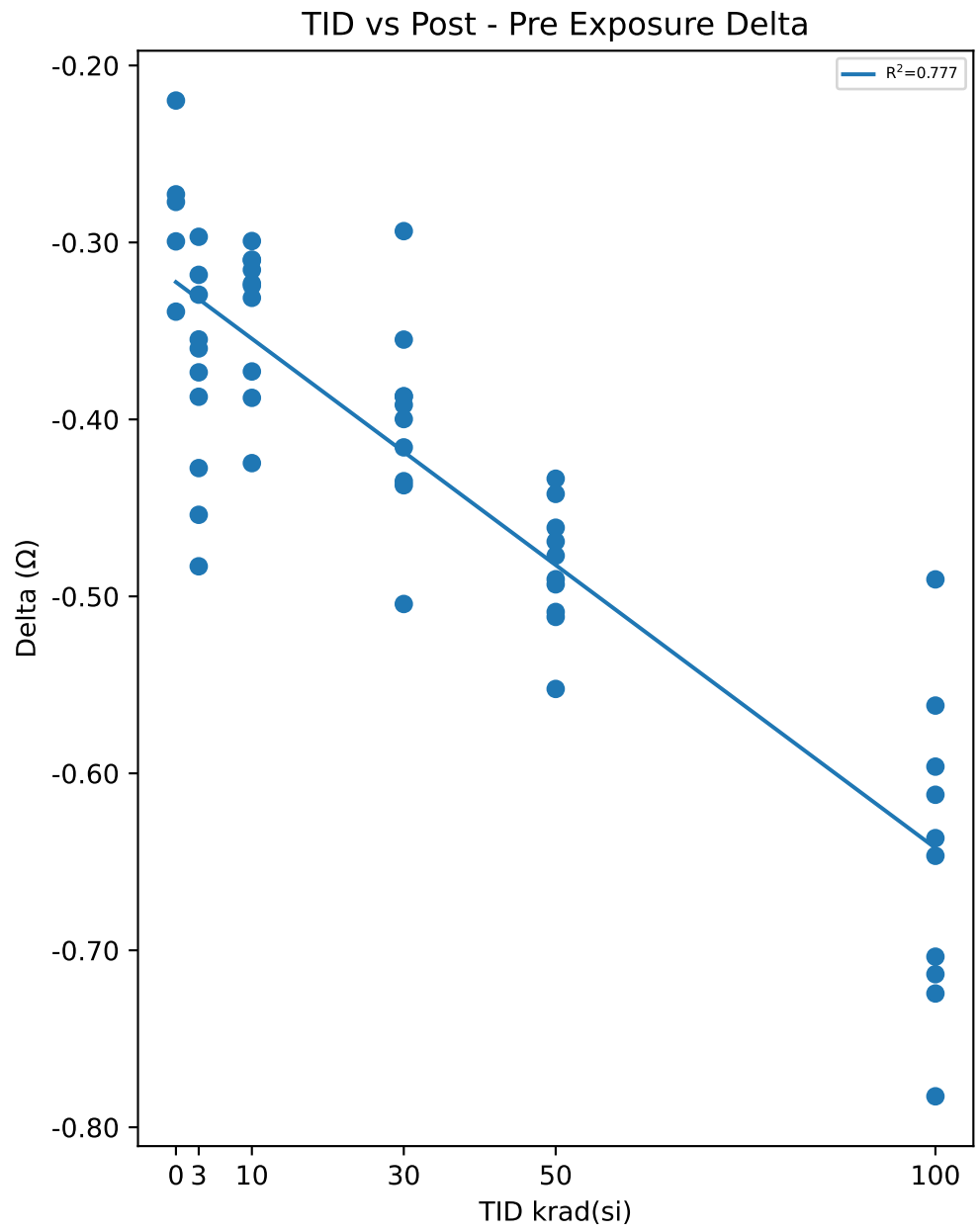
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	71.419	71.753	73.016	0.70598	71.203	71.563	72.855	0.72312	-0.2219	-0.19052	-0.1607	0.028632
3	70.899	71.67	72.615	0.54788	70.651	71.433	72.388	0.54111	-0.2696	-0.23726	-0.206	0.021332
10	71.072	71.878	73.446	0.7543	70.775	71.619	73.166	0.75467	-0.2962	-0.25869	-0.227	0.022416
30	71.005	71.344	72.244	0.39531	70.68	71.02	71.943	0.38973	-0.3784	-0.32377	-0.2883	0.028523
50	71.13	72.009	74.019	0.94565	70.802	71.611	73.667	0.9432	-0.4737	-0.3977	-0.328	0.044934
100	71.109	71.939	75.223	1.251	70.521	71.384	74.67	1.2379	-0.6755	-0.55478	-0.4607	0.064466

Device Test: 18.12; WDO_RNMOS_OD



Test Results (Upper Limit = 200.0 (Ω))

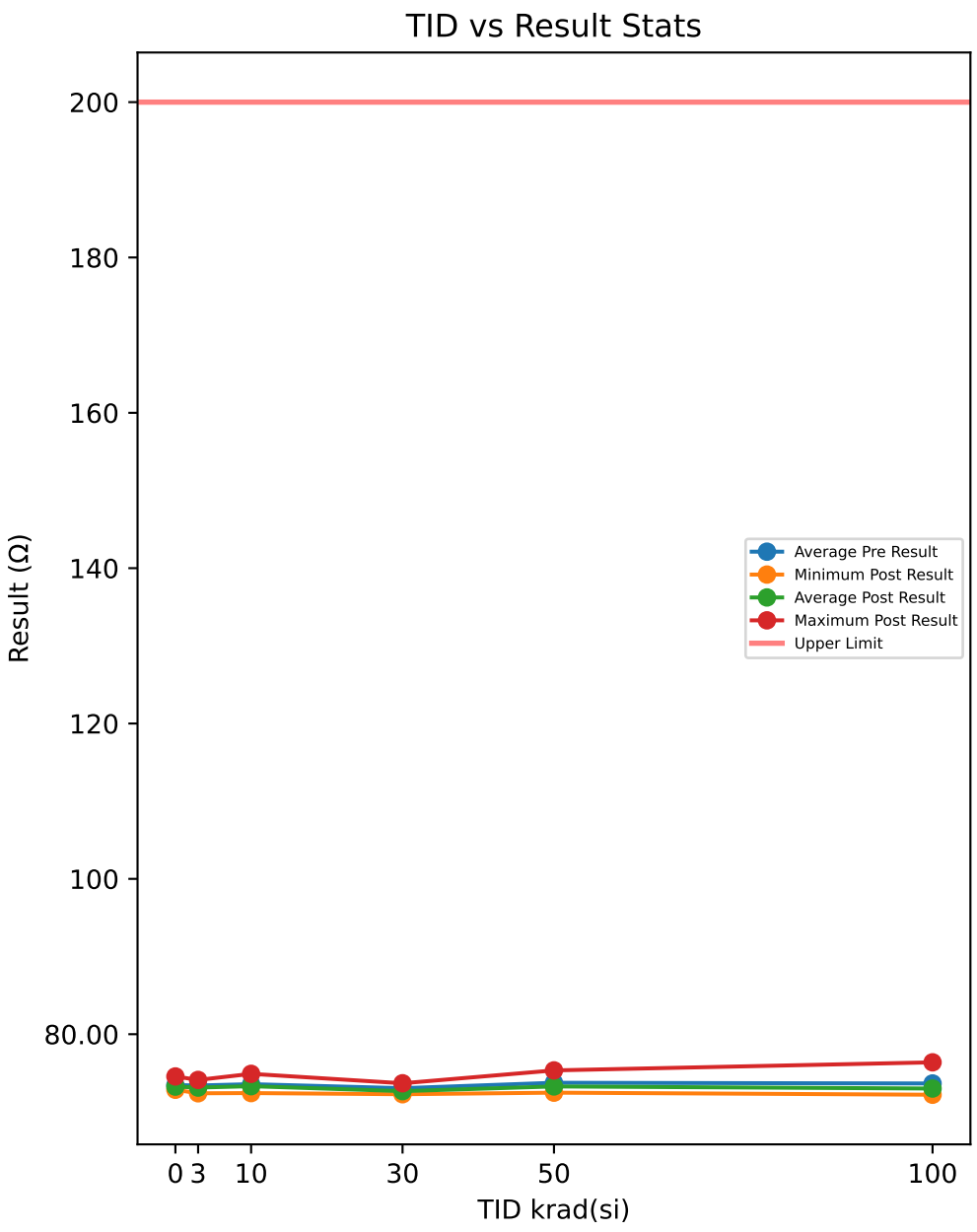
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	72.329	71.955	-0.3734
2	3	Biased	72.963	72.576	-0.3872
3	3	Biased	73.295	72.812	-0.483
4	3	Biased	73.382	72.928	-0.4539
5	3	Biased	72.071	71.712	-0.3599
6	3	Unbiased	72.544	72.247	-0.2968
7	3	Unbiased	73.722	73.392	-0.3295
8	3	Unbiased	72.254	71.9	-0.3548
9	3	Unbiased	72.891	72.573	-0.3183
10	3	Unbiased	73.531	73.103	-0.4275
11	10	Biased	72.546	72.223	-0.3232
12	10	Biased	72.239	71.929	-0.3097
13	10	Biased	72.676	72.345	-0.3313
14	10	Biased	72.318	72.019	-0.2992
15	10	Biased	72.719	72.403	-0.3155
16	10	Unbiased	73.52	73.132	-0.3878
17	10	Unbiased	74.887	74.514	-0.3729
18	10	Unbiased	73.353	72.928	-0.4247
19	10	Unbiased	72.706	72.395	-0.3101
20	10	Unbiased	73.966	73.642	-0.3244
21	30	Biased	72.332	71.977	-0.3549
22	30	Biased	72.254	71.839	-0.4158
23	30	Biased	73.478	72.974	-0.5043
24	30	Biased	72.891	72.457	-0.4349
25	30	Biased	72.058	71.666	-0.3918
26	30	Unbiased	72.708	72.321	-0.387
27	30	Unbiased	72.493	72.106	-0.3869
28	30	Unbiased	72.026	71.733	-0.2936
29	30	Unbiased	72.416	71.979	-0.4372
30	30	Unbiased	72.117	71.717	-0.3998
31	50	Biased	74.377	73.944	-0.4335
32	50	Biased	72.512	72.035	-0.477
33	50	Biased	72.591	72.101	-0.4903
34	50	Biased	75.123	74.681	-0.4421
35	50	Biased	73.762	73.209	-0.5523
36	50	Unbiased	72.716	72.205	-0.5116
37	50	Unbiased	72.676	72.215	-0.4612
38	50	Unbiased	72.501	71.993	-0.5088
39	50	Unbiased	72.496	72.027	-0.469
40	50	Unbiased	72.862	72.369	-0.4932
41	100	Biased	72.411	71.815	-0.5962
42	100	Biased	72.414	71.802	-0.6121
43	100	Biased	73.04	72.403	-0.6366
44	100	Biased	73.197	72.483	-0.7135
45	100	Biased	72.403	71.757	-0.6466
46	100	Unbiased	73.311	72.528	-0.7825
47	100	Unbiased	76.582	75.858	-0.7244
48	100	Unbiased	73.958	73.254	-0.7036
49	100	Unbiased	72.281	71.719	-0.5617
50	100	Unbiased	72.589	72.099	-0.4904
51	0	Correlation	72.435	72.215	-0.2198
52	0	Correlation	74.369	74.092	-0.2771
53	0	Correlation	72.536	72.236	-0.2994
54	0	Correlation	72.456	72.117	-0.3391
55	0	Correlation	72.528	72.255	-0.2728

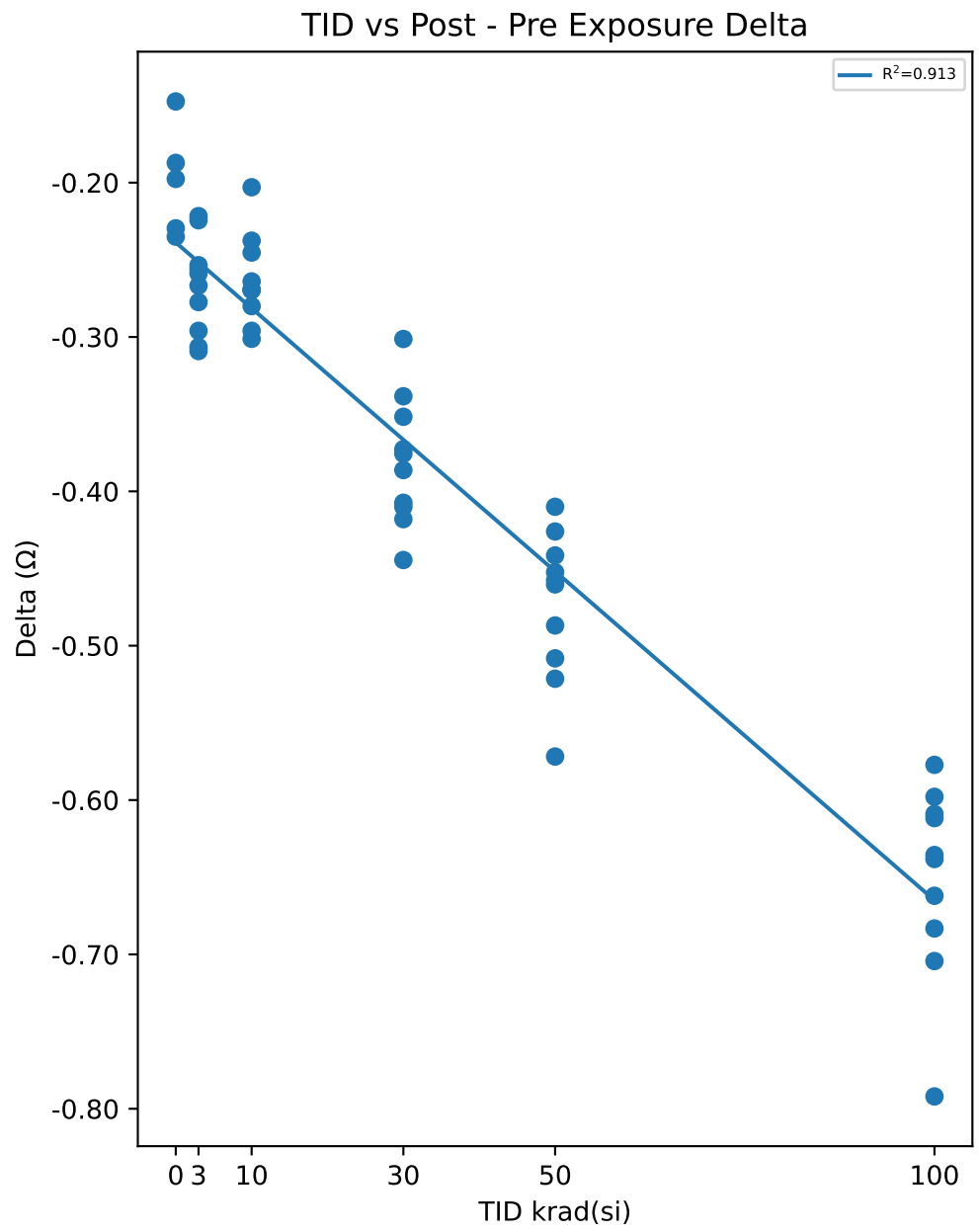


Test Statistics (Ω)

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	72.435	72.865	74.369	0.84222	72.117	72.583	74.092	0.84529	-0.3391	-0.28164	-0.2198	0.043417
3	72.071	72.898	73.722	0.5795	71.712	72.52	73.392	0.55688	-0.483	-0.37843	-0.2968	0.060292
10	72.239	73.093	74.887	0.83817	71.929	72.753	74.514	0.81515	-0.4247	-0.33988	-0.2992	0.041122
30	72.026	72.477	73.478	0.44844	71.666	72.077	72.974	0.40847	-0.5043	-0.40062	-0.2936	0.055266
50	72.496	73.162	75.123	0.93302	71.993	72.678	74.681	0.94693	-0.5523	-0.4839	-0.4335	0.03538
100	72.281	73.219	76.582	1.2971	71.719	72.572	75.858	1.251	-0.7825	-0.64676	-0.4904	0.08672

Device Test: 18.17; PWRGD_RNMOS_OD





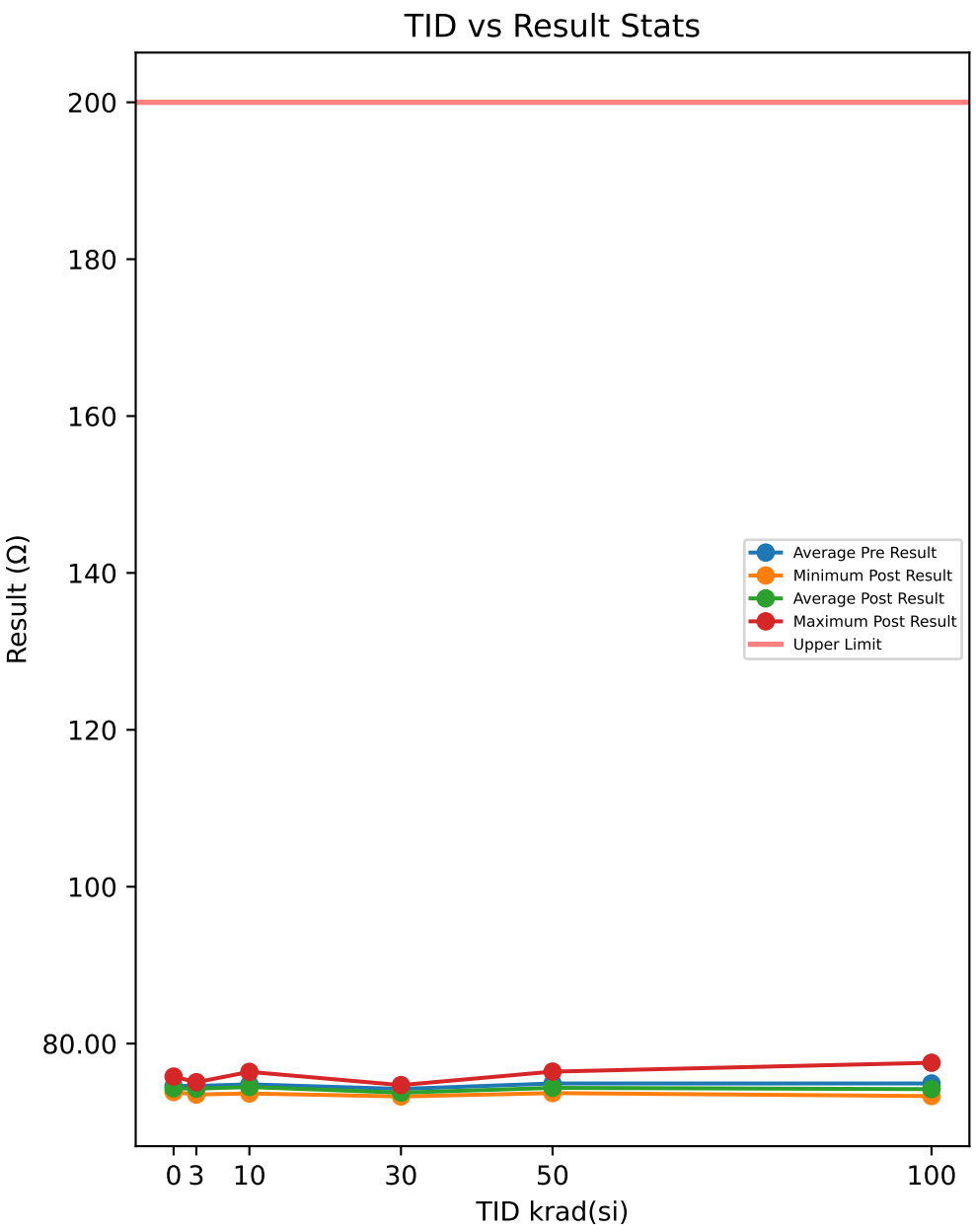
Test Results (Upper Limit = 200.0 (Ω))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	72.727	72.431	-0.296
2	3	Biased	73.554	73.248	-0.3065
3	3	Biased	73.761	73.452	-0.3091
4	3	Biased	73.69	73.431	-0.2588
5	3	Biased	72.618	72.394	-0.2244
6	3	Unbiased	73.011	72.757	-0.2535
7	3	Unbiased	74.379	74.113	-0.2667
8	3	Unbiased	72.894	72.617	-0.2774
9	3	Unbiased	73.342	73.121	-0.2217
10	3	Unbiased	73.968	73.712	-0.2561
11	10	Biased	73.019	72.749	-0.2695
12	10	Biased	72.716	72.42	-0.296
13	10	Biased	73.127	72.89	-0.2376
14	10	Biased	72.912	72.643	-0.2695
15	10	Biased	73.154	72.874	-0.28
16	10	Unbiased	73.894	73.691	-0.203
17	10	Unbiased	75.143	74.898	-0.2453
18	10	Unbiased	73.936	73.667	-0.2694
19	10	Unbiased	73.44	73.139	-0.3012
20	10	Unbiased	74.356	74.091	-0.264
21	30	Biased	72.812	72.425	-0.3862
22	30	Biased	72.83	72.529	-0.3013
23	30	Biased	74.056	73.683	-0.3727
24	30	Biased	73.515	73.07	-0.4445
25	30	Biased	72.679	72.272	-0.4074
26	30	Unbiased	73.026	72.688	-0.3384
27	30	Unbiased	72.841	72.489	-0.3517
28	30	Unbiased	72.666	72.29	-0.3756
29	30	Unbiased	73.215	72.797	-0.418
30	30	Unbiased	72.862	72.452	-0.4101
31	50	Biased	74.936	74.479	-0.4576
32	50	Biased	72.899	72.473	-0.426
33	50	Biased	73.244	72.792	-0.4524
34	50	Biased	75.783	75.341	-0.4415
35	50	Biased	74.183	73.723	-0.4603
36	50	Unbiased	73.313	72.792	-0.5214
37	50	Unbiased	73.374	72.887	-0.4869
38	50	Unbiased	73.093	72.683	-0.41
39	50	Unbiased	73.175	72.667	-0.5082
40	50	Unbiased	73.485	72.914	-0.5718
41	100	Biased	72.952	72.343	-0.609
42	100	Biased	72.835	72.224	-0.6117
43	100	Biased	73.278	72.617	-0.662
44	100	Biased	73.767	73.083	-0.6832
45	100	Biased	72.878	72.24	-0.6382
46	100	Unbiased	73.605	72.813	-0.792
47	100	Unbiased	76.976	76.378	-0.5979
48	100	Unbiased	74.347	73.643	-0.7043
49	100	Unbiased	72.844	72.208	-0.6356
50	100	Unbiased	73.085	72.508	-0.5772
51	0	Correlation	73.093	72.945	-0.1474
52	0	Correlation	74.759	74.561	-0.1976
53	0	Correlation	73.034	72.847	-0.1872
54	0	Correlation	73.199	72.969	-0.2296
55	0	Correlation	73.18	72.945	-0.235

Test Statistics (Ω)

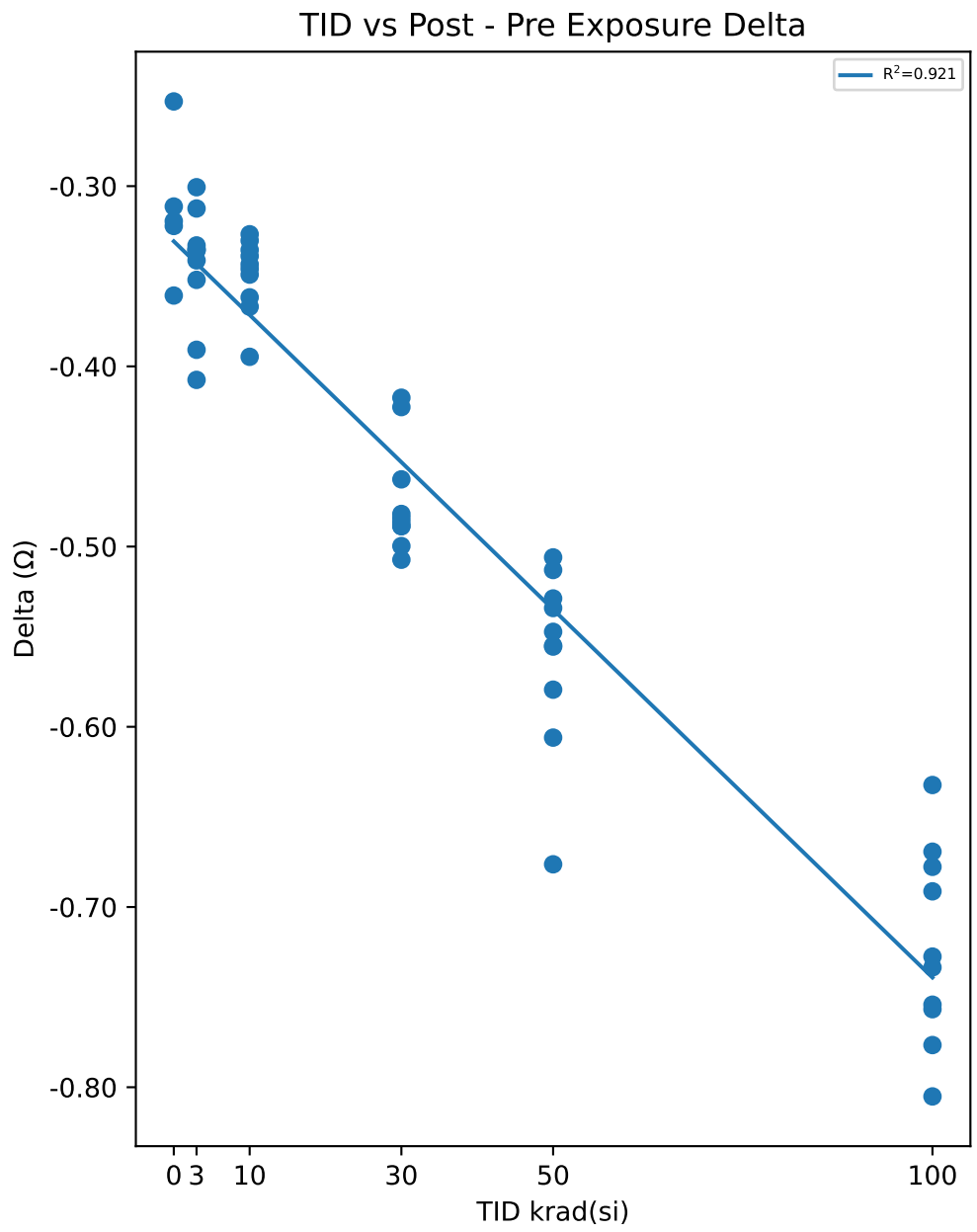
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	73.034	73.453	74.759	0.73291	72.847	73.254	74.561	0.73237	-0.235	-0.19936	-0.1474	0.035481
3	72.618	73.394	74.379	0.57696	72.394	73.127	74.113	0.5722	-0.3091	-0.26702	-0.2217	0.030763
10	72.716	73.57	75.143	0.75886	72.42	73.306	74.898	0.77116	-0.3012	-0.26355	-0.203	0.028904
30	72.666	73.05	74.056	0.43773	72.272	72.67	73.683	0.43019	-0.4445	-0.38059	-0.3013	0.042287
50	72.899	73.749	75.783	0.93519	72.473	73.275	75.341	0.94459	-0.5718	-0.47361	-0.41	0.048905
100	72.835	73.657	76.976	1.2658	72.208	73.006	76.378	1.2692	-0.792	-0.65111	-0.5772	0.063118

Device Test: 18.18; WDO_RNMOS_OD



Test Results (Upper Limit = 200.0 (Ω))

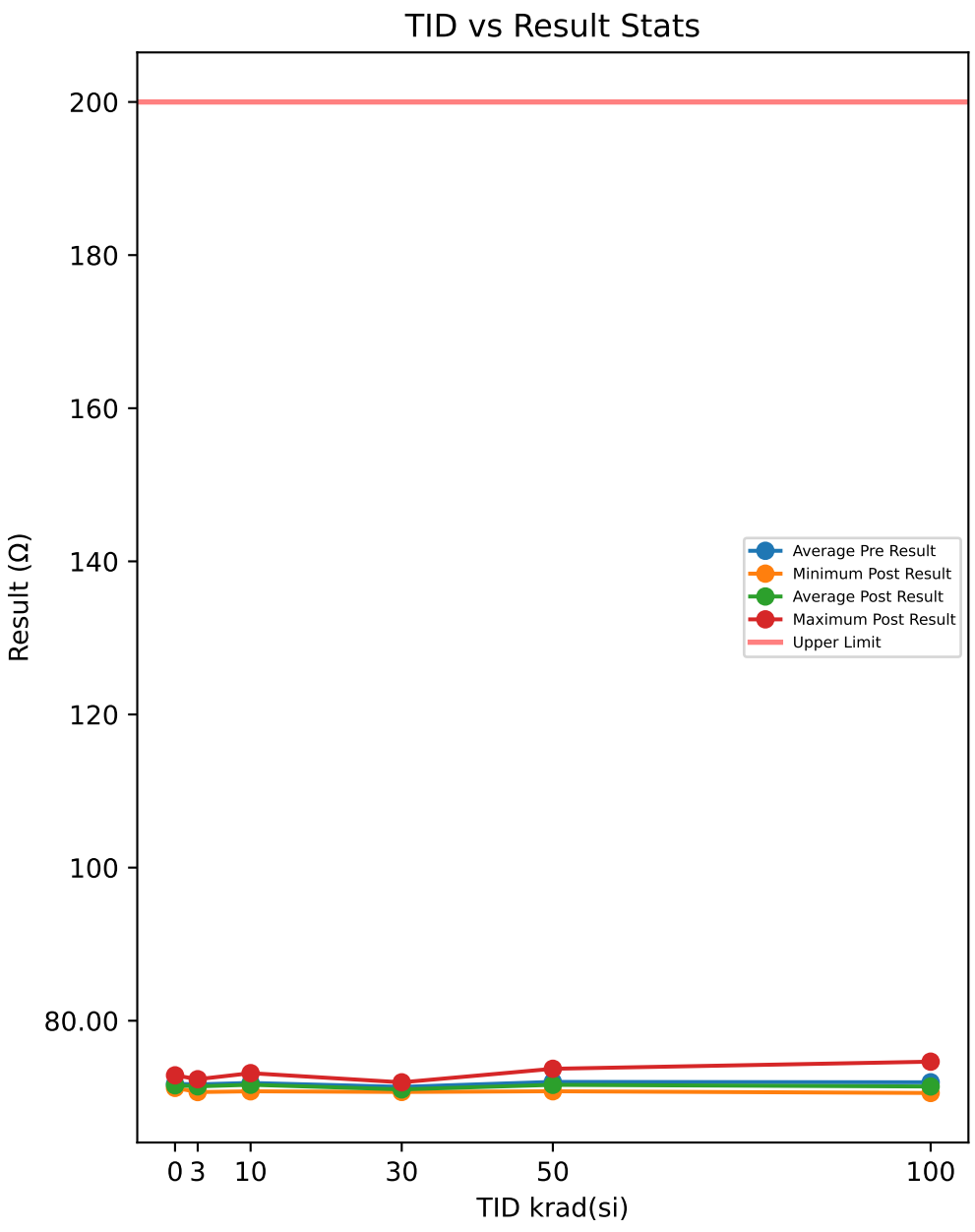
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	74.014	73.623	-0.3908
2	3	Biased	74.783	74.448	-0.3357
3	3	Biased	74.911	74.503	-0.4075
4	3	Biased	75.022	74.681	-0.3412
5	3	Biased	73.841	73.506	-0.3349
6	3	Unbiased	74.29	73.954	-0.3354
7	3	Unbiased	75.386	75.073	-0.3124
8	3	Unbiased	73.985	73.684	-0.3006
9	3	Unbiased	74.563	74.23	-0.3329
10	3	Unbiased	75.16	74.808	-0.352
11	10	Biased	74.269	73.923	-0.3459
12	10	Biased	74.006	73.639	-0.3669
13	10	Biased	74.412	74.076	-0.3354
14	10	Biased	74.088	73.726	-0.3617
15	10	Biased	74.43	74.087	-0.3434
16	10	Unbiased	75.234	74.896	-0.3388
17	10	Unbiased	76.723	76.396	-0.3267
18	10	Unbiased	74.982	74.633	-0.3491
19	10	Unbiased	74.433	74.103	-0.3302
20	10	Unbiased	75.5	75.105	-0.3947
21	30	Biased	74.141	73.724	-0.4174
22	30	Biased	73.958	73.535	-0.4226
23	30	Biased	75.189	74.707	-0.4819
24	30	Biased	74.568	74.084	-0.4841
25	30	Biased	73.746	73.257	-0.4886
26	30	Unbiased	74.404	73.941	-0.4627
27	30	Unbiased	74.276	73.79	-0.4864
28	30	Unbiased	73.775	73.286	-0.4887
29	30	Unbiased	74.242	73.742	-0.4997
30	30	Unbiased	73.884	73.376	-0.5073
31	50	Biased	76.198	75.521	-0.6763
32	50	Biased	74.263	73.734	-0.5288
33	50	Biased	74.34	73.827	-0.513
34	50	Biased	76.98	76.425	-0.555
35	50	Biased	75.402	74.896	-0.506
36	50	Unbiased	74.475	73.896	-0.5794
37	50	Unbiased	74.46	73.904	-0.5555
38	50	Unbiased	74.237	73.703	-0.5341
39	50	Unbiased	74.234	73.687	-0.5473
40	50	Unbiased	74.563	73.957	-0.606
41	100	Biased	74.173	73.504	-0.6693
42	100	Biased	74.075	73.318	-0.7567
43	100	Biased	74.661	73.984	-0.6777
44	100	Biased	74.866	74.132	-0.7335
45	100	Biased	74.186	73.432	-0.7542
46	100	Unbiased	74.942	74.137	-0.8051
47	100	Unbiased	78.249	77.558	-0.6913
48	100	Unbiased	75.585	74.808	-0.7766
49	100	Unbiased	74.035	73.308	-0.7275
50	100	Unbiased	74.377	73.745	-0.6323
51	0	Correlation	74.173	73.92	-0.253
52	0	Correlation	76.153	75.792	-0.3607
53	0	Correlation	74.138	73.827	-0.3113
54	0	Correlation	74.263	73.944	-0.3194
55	0	Correlation	74.29	73.968	-0.3221

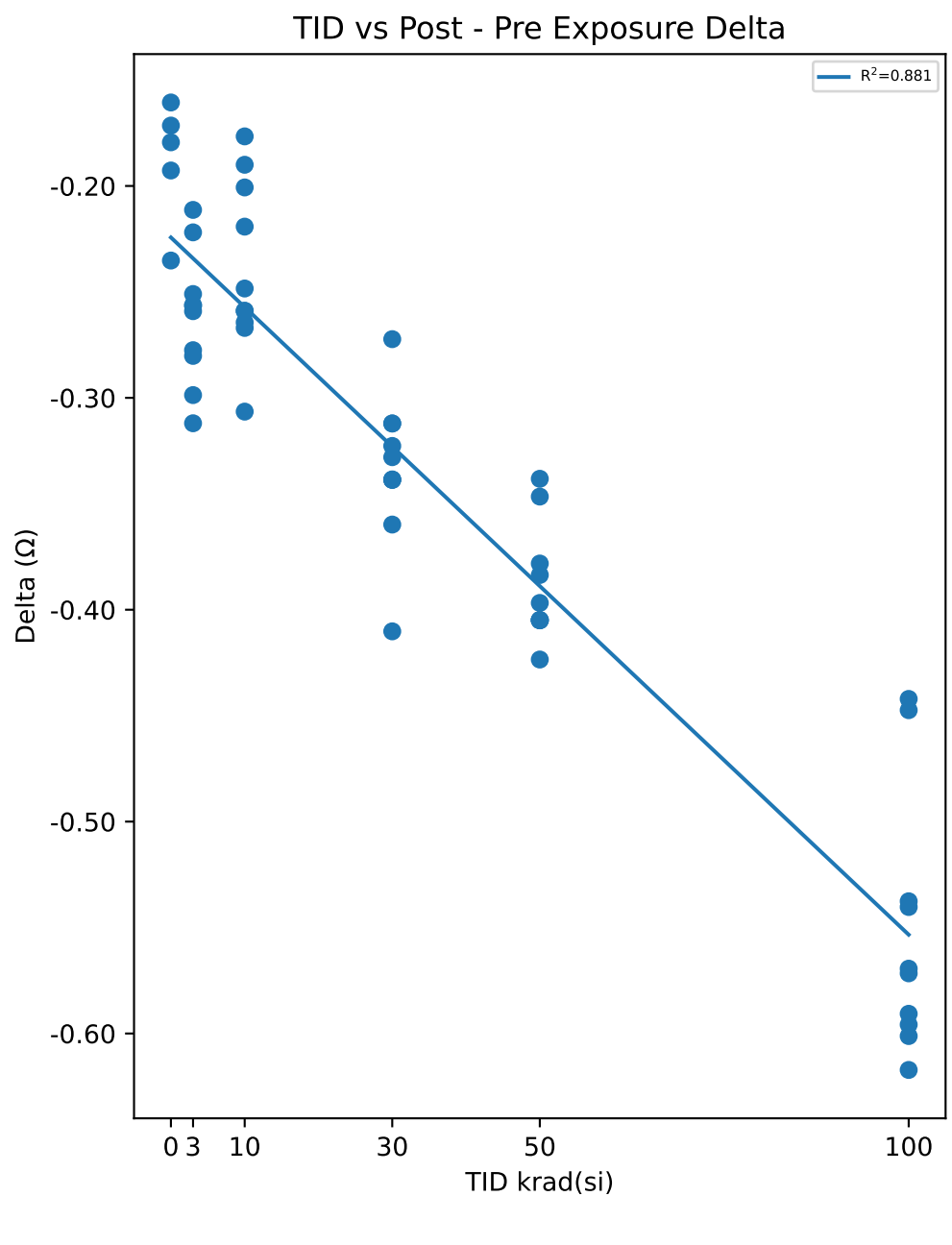


Test Statistics (Ω)

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	74.138	74.603	76.153	0.86821	73.827	74.29	75.792	0.84116	-0.3607	-0.3133	-0.253	0.038735
3	73.841	74.595	75.386	0.54106	73.506	74.251	75.073	0.54081	-0.4075	-0.34434	-0.3006	0.032531
10	74.006	74.808	76.723	0.8334	73.639	74.458	76.396	0.83667	-0.3947	-0.34928	-0.3267	0.020413
30	73.746	74.218	75.189	0.43578	73.257	73.744	74.707	0.43594	-0.5073	-0.47394	-0.4174	0.030714
50	74.234	74.915	76.98	0.96328	73.687	74.355	76.425	0.94559	-0.6763	-0.56014	-0.506	0.050546
100	74.035	74.915	78.249	1.2685	73.308	74.193	77.558	1.2716	-0.8051	-0.72242	-0.6323	0.053766

Device Test: 18.23; PWRGD_RNMOS_OD





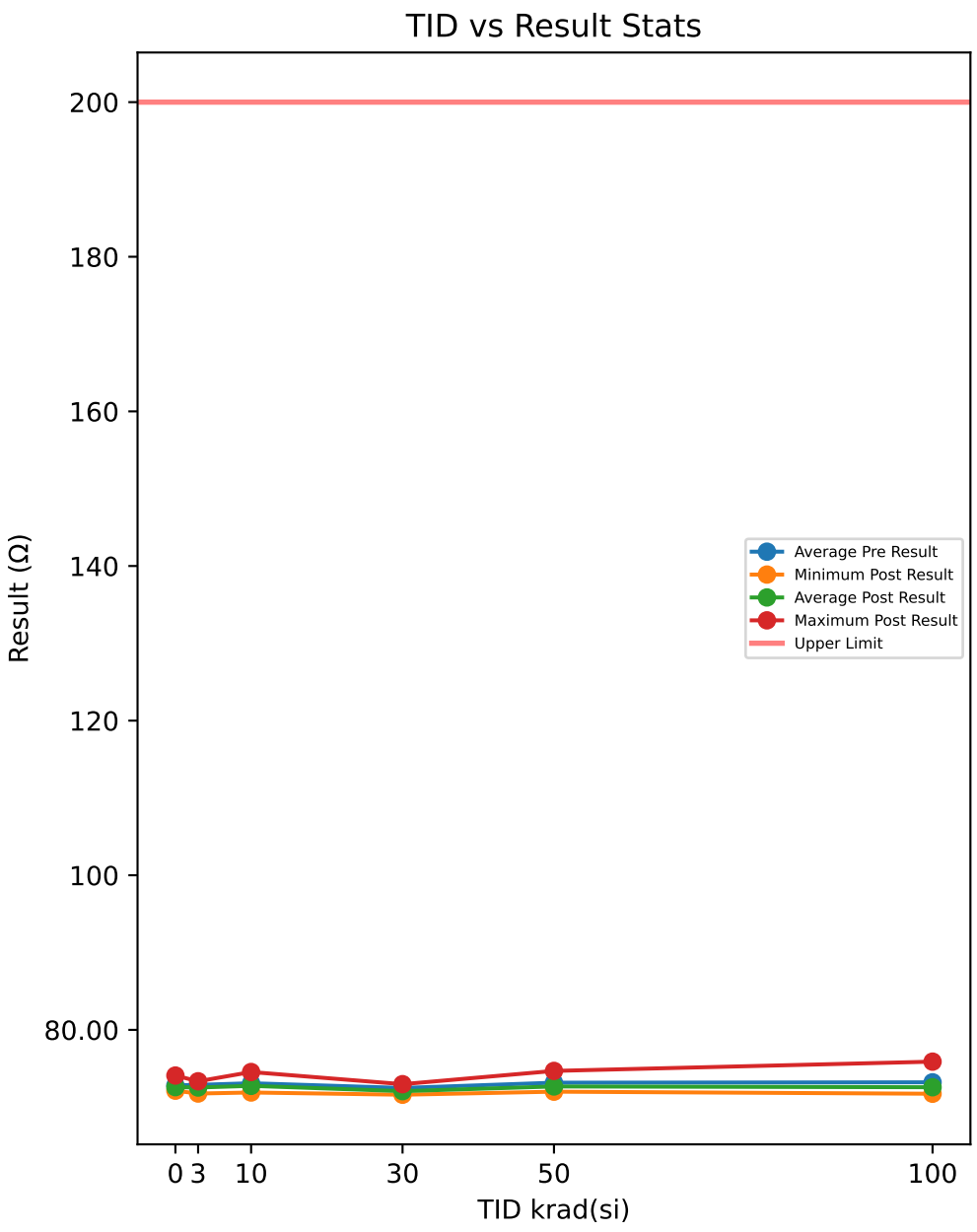
Test Results (Upper Limit = 200.0 (Ω))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	71.103	70.844	-0.2591
2	3	Biased	71.737	71.425	-0.312
3	3	Biased	72.045	71.767	-0.2775
4	3	Biased	71.992	71.736	-0.2563
5	3	Biased	70.939	70.683	-0.2564
6	3	Unbiased	71.316	71.094	-0.2219
7	3	Unbiased	72.61	72.359	-0.251
8	3	Unbiased	71.164	70.953	-0.2113
9	3	Unbiased	71.684	71.404	-0.2802
10	3	Unbiased	72.308	72.009	-0.2987
11	10	Biased	71.318	71.099	-0.2192
12	10	Biased	71.045	70.781	-0.2644
13	10	Biased	71.44	71.24	-0.2007
14	10	Biased	71.191	70.942	-0.2484
15	10	Biased	71.448	71.258	-0.19
16	10	Unbiased	72.143	71.884	-0.2589
17	10	Unbiased	73.459	73.152	-0.3065
18	10	Unbiased	72.263	72.004	-0.259
19	10	Unbiased	71.775	71.507	-0.267
20	10	Unbiased	72.663	72.487	-0.1766
21	30	Biased	71.061	70.789	-0.2723
22	30	Biased	71.18	70.868	-0.3121
23	30	Biased	72.292	71.953	-0.3385
24	30	Biased	71.881	71.47	-0.4102
25	30	Biased	71.034	70.696	-0.3387
26	30	Unbiased	71.35	71.027	-0.3227
27	30	Unbiased	71.204	70.865	-0.3387
28	30	Unbiased	71.066	70.738	-0.328
29	30	Unbiased	71.414	71.054	-0.3598
30	30	Unbiased	71.162	70.85	-0.3121
31	50	Biased	73.186	72.789	-0.3968
32	50	Biased	71.132	70.786	-0.3466
33	50	Biased	71.496	71.091	-0.405
34	50	Biased	74.061	73.723	-0.3382
35	50	Biased	72.483	72.105	-0.3782
36	50	Unbiased	71.581	71.197	-0.3836
37	50	Unbiased	71.629	71.224	-0.4049
38	50	Unbiased	71.408	70.985	-0.4235
39	50	Unbiased	71.432	71.027	-0.4049
40	50	Unbiased	71.719	71.314	-0.4049
41	100	Biased	71.286	70.749	-0.5376
42	100	Biased	71.249	70.709	-0.5403
43	100	Biased	71.618	71.049	-0.5694
44	100	Biased	72.042	71.441	-0.6012
45	100	Biased	71.154	70.563	-0.5907
46	100	Unbiased	71.899	71.282	-0.6172
47	100	Unbiased	75.223	74.651	-0.5716
48	100	Unbiased	72.623	72.028	-0.5958
49	100	Unbiased	71.148	70.706	-0.4421
50	100	Unbiased	71.369	70.921	-0.4474
51	0	Correlation	71.432	71.253	-0.1794
52	0	Correlation	73.026	72.866	-0.1606
53	0	Correlation	71.448	71.255	-0.1927
54	0	Correlation	71.398	71.226	-0.1715
55	0	Correlation	71.462	71.226	-0.2352

Test Statistics (Ω)

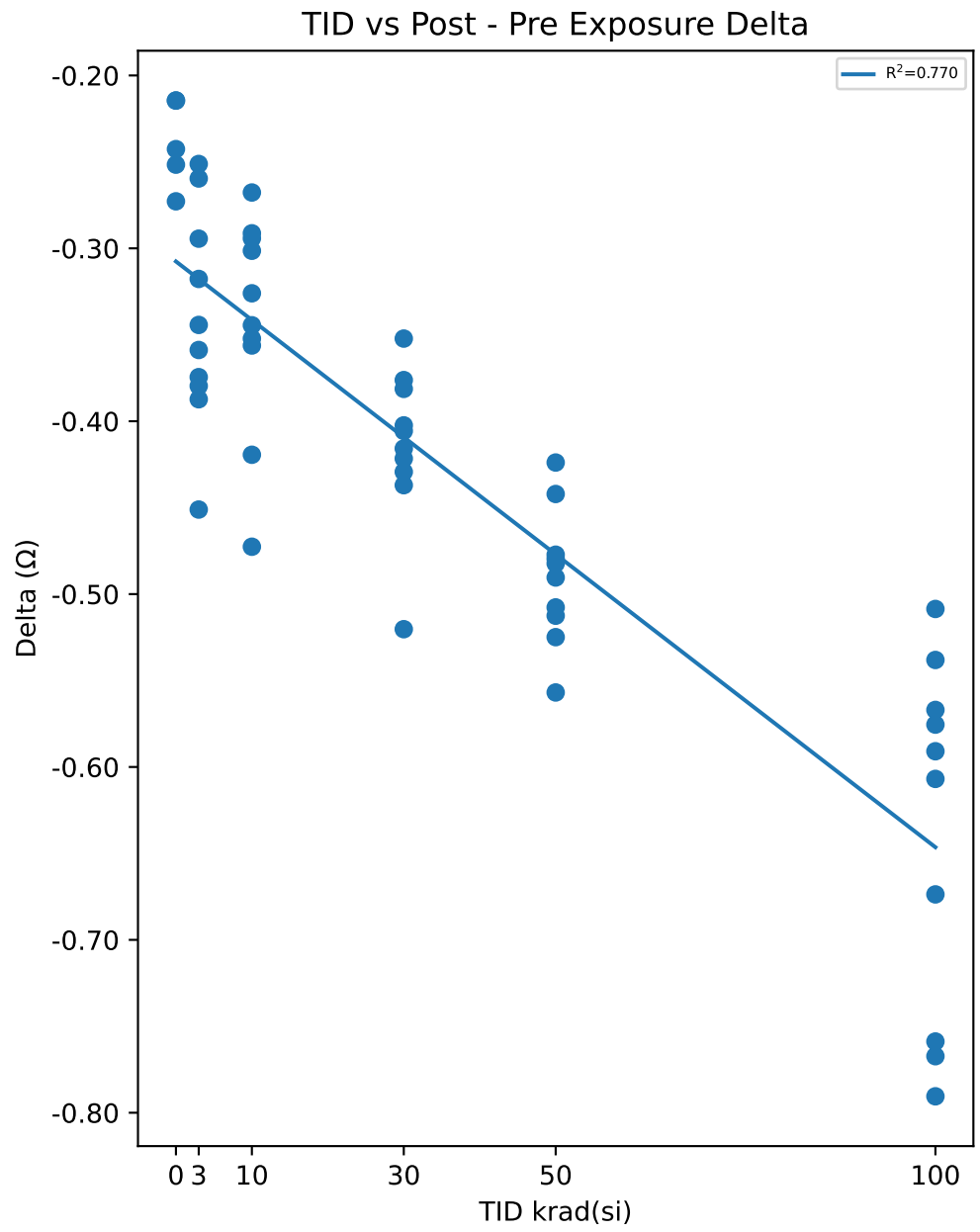
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	71.398	71.753	73.026	0.71216	71.226	71.565	72.866	0.72715	-0.2352	-0.18788	-0.1606	0.028926
3	70.939	71.69	72.61	0.55501	70.683	71.427	72.359	0.5425	-0.312	-0.26244	-0.2113	0.031248
10	71.045	71.874	73.459	0.76013	70.781	71.635	73.152	0.74811	-0.3065	-0.23907	-0.1766	0.040857
30	71.034	71.364	72.292	0.4109	70.696	71.031	71.953	0.39268	-0.4102	-0.33331	-0.2723	0.035686
50	71.132	72.013	74.061	0.94025	70.786	71.624	73.723	0.95349	-0.4235	-0.38866	-0.3382	0.027464
100	71.148	71.961	75.223	1.2397	70.563	71.41	74.651	1.2209	-0.6172	-0.55133	-0.4421	0.061584

Device Test: 18.24; WDO_RNMOS_OD



Test Results (Upper Limit = 200.0 (Ω))

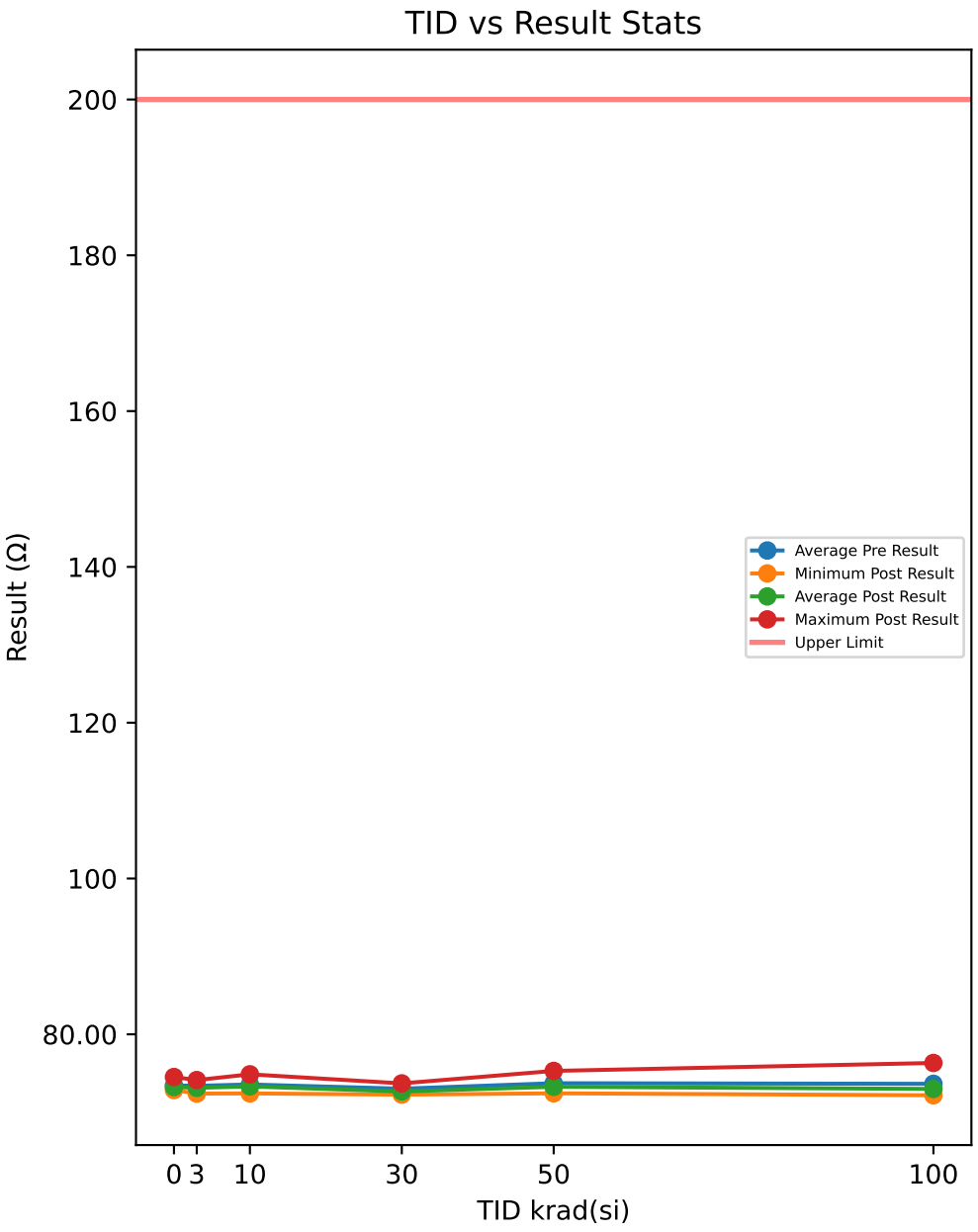
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	72.316	71.971	-0.3443
2	3	Biased	72.987	72.6	-0.3873
3	3	Biased	73.281	72.83	-0.4511
4	3	Biased	73.369	72.989	-0.3796
5	3	Biased	72.016	71.764	-0.2512
6	3	Unbiased	72.509	72.25	-0.2596
7	3	Unbiased	73.709	73.35	-0.3588
8	3	Unbiased	72.249	71.931	-0.3177
9	3	Unbiased	72.889	72.594	-0.2944
10	3	Unbiased	73.523	73.148	-0.3745
11	10	Biased	72.546	72.202	-0.3445
12	10	Biased	72.252	71.9	-0.3522
13	10	Biased	72.674	72.406	-0.2677
14	10	Biased	72.281	71.99	-0.2913
15	10	Biased	72.751	72.425	-0.326
16	10	Unbiased	73.613	73.141	-0.4726
17	10	Unbiased	74.85	74.548	-0.3014
18	10	Unbiased	73.369	72.95	-0.4194
19	10	Unbiased	72.7	72.406	-0.2942
20	10	Unbiased	73.966	73.61	-0.3562
21	30	Biased	72.329	71.977	-0.3522
22	30	Biased	72.273	71.857	-0.4158
23	30	Biased	73.496	72.976	-0.5203
24	30	Biased	72.878	72.457	-0.4216
25	30	Biased	72.013	71.611	-0.4024
26	30	Unbiased	72.695	72.289	-0.4056
27	30	Unbiased	72.496	72.12	-0.3762
28	30	Unbiased	72.111	71.73	-0.3813
29	30	Unbiased	72.419	71.99	-0.4293
30	30	Unbiased	72.156	71.719	-0.437
31	50	Biased	74.372	73.864	-0.5077
32	50	Biased	72.477	72.053	-0.4239
33	50	Biased	72.623	72.099	-0.5249
34	50	Biased	75.134	74.692	-0.4421
35	50	Biased	73.786	73.273	-0.5125
36	50	Unbiased	72.74	72.263	-0.4772
37	50	Unbiased	72.714	72.223	-0.4904
38	50	Unbiased	72.493	72.011	-0.4823
39	50	Unbiased	72.485	72.006	-0.4796
40	50	Unbiased	72.87	72.313	-0.5569
41	100	Biased	72.43	71.823	-0.6069
42	100	Biased	72.398	71.831	-0.567
43	100	Biased	72.992	72.417	-0.5755
44	100	Biased	73.202	72.528	-0.6737
45	100	Biased	72.371	71.78	-0.5909
46	100	Unbiased	73.295	72.504	-0.7905
47	100	Unbiased	76.649	75.89	-0.7588
48	100	Unbiased	73.987	73.22	-0.7673
49	100	Unbiased	72.247	71.738	-0.5086
50	100	Unbiased	72.608	72.069	-0.5381
51	0	Correlation	72.446	72.231	-0.2145
52	0	Correlation	74.335	74.092	-0.2426
53	0	Correlation	72.472	72.258	-0.2145
54	0	Correlation	72.406	72.133	-0.2728
55	0	Correlation	72.496	72.244	-0.2516

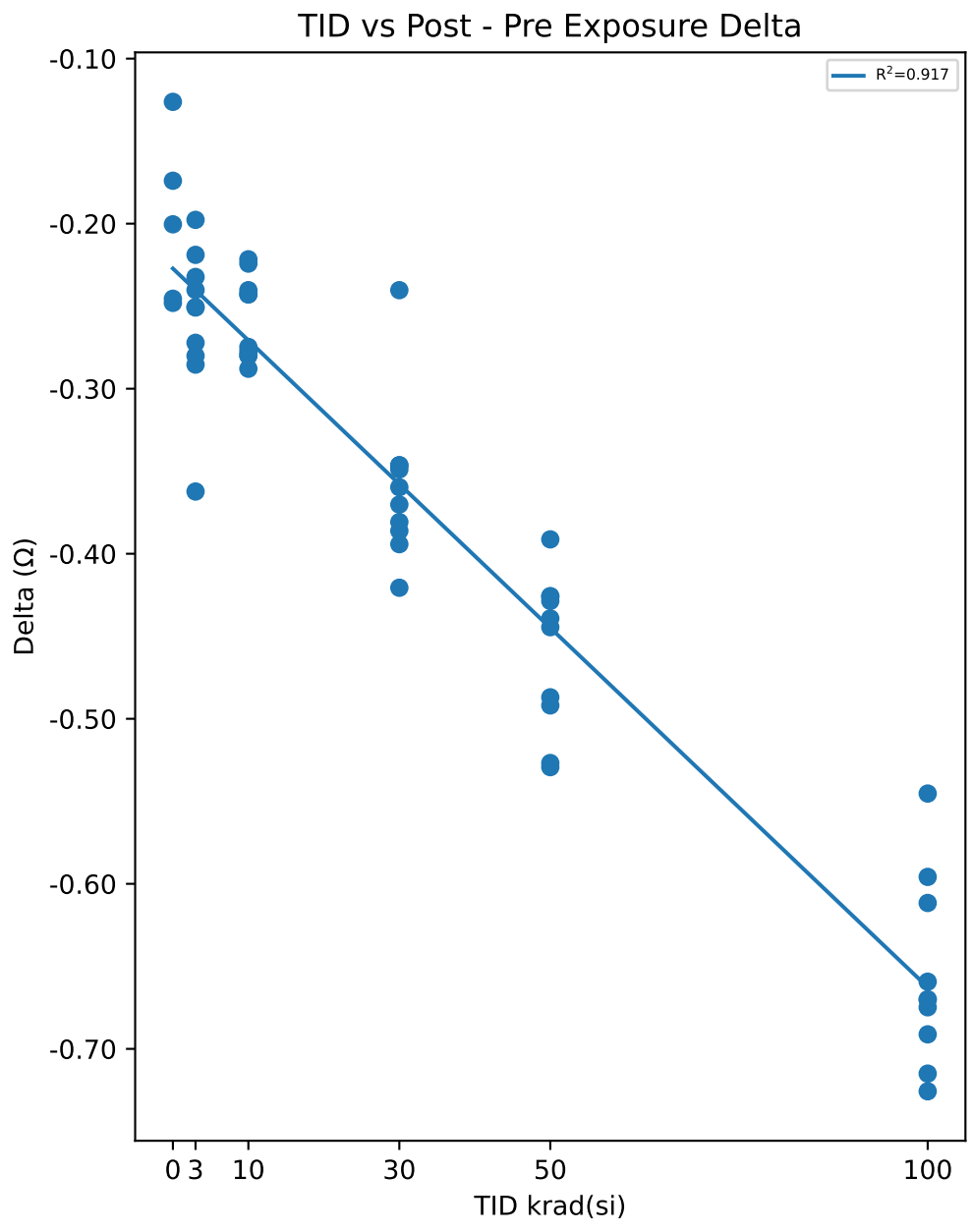


Test Statistics (Ω)

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	72.406	72.831	74.335	0.84144	72.133	72.592	74.092	0.84031	-0.2728	-0.2392	-0.2145	0.025072
3	72.016	72.885	73.709	0.58807	71.764	72.543	73.35	0.54753	-0.4511	-0.34185	-0.2512	0.062006
10	72.252	73.1	74.85	0.83711	71.9	72.758	74.548	0.82385	-0.4726	-0.34255	-0.2677	0.062925
30	72.013	72.487	73.496	0.44292	71.611	72.073	72.976	0.41242	-0.5203	-0.41417	-0.3522	0.045517
50	72.477	73.169	75.134	0.93496	72.006	72.68	74.692	0.93987	-0.5569	-0.48975	-0.4239	0.038741
100	72.247	73.218	76.649	1.3227	71.738	72.58	75.89	1.2536	-0.7905	-0.63773	-0.5086	0.10258

Device Test: 18.5; PWRGD_RNMOS_OD





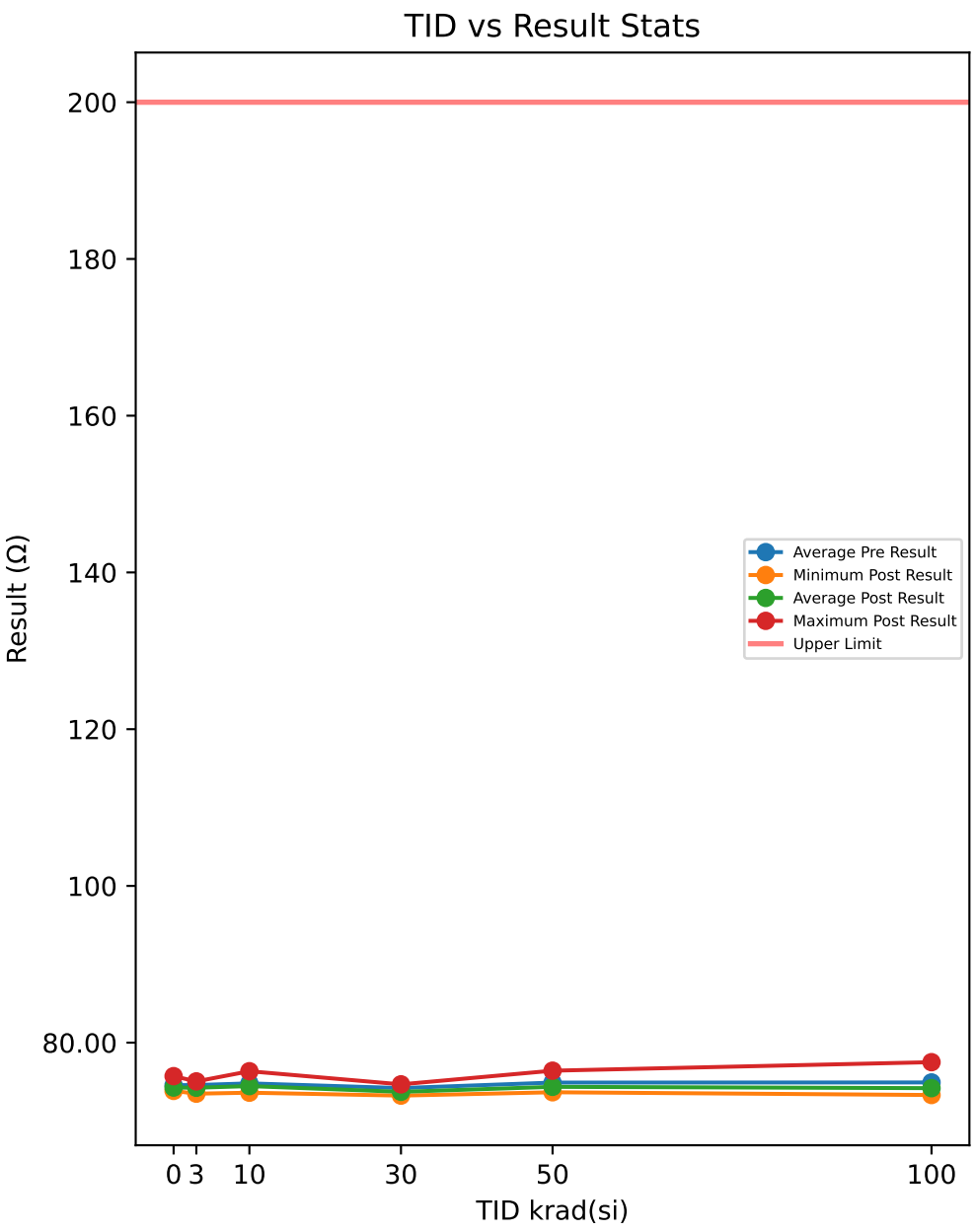
Test Results (Upper Limit = 200.0 (Ω))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	72.695	72.409	-0.2854
2	3	Biased	73.578	73.216	-0.3623
3	3	Biased	73.682	73.431	-0.2508
4	3	Biased	73.65	73.452	-0.1977
5	3	Biased	72.66	72.388	-0.2722
6	3	Unbiased	73.026	72.786	-0.2402
7	3	Unbiased	74.374	74.123	-0.2506
8	3	Unbiased	72.886	72.654	-0.2323
9	3	Unbiased	73.366	73.086	-0.2801
10	3	Unbiased	73.939	73.72	-0.2189
11	10	Biased	73.019	72.778	-0.2403
12	10	Biased	72.69	72.412	-0.2774
13	10	Biased	73.154	72.866	-0.2879
14	10	Biased	72.875	72.632	-0.2429
15	10	Biased	73.156	72.882	-0.2747
16	10	Unbiased	73.897	73.672	-0.2242
17	10	Unbiased	75.143	74.864	-0.2798
18	10	Unbiased	73.931	73.688	-0.2428
19	10	Unbiased	73.393	73.113	-0.28
20	10	Unbiased	74.34	74.118	-0.2216
21	30	Biased	72.759	72.518	-0.2403
22	30	Biased	72.83	72.484	-0.3464
23	30	Biased	74.048	73.699	-0.3489
24	30	Biased	73.478	73.091	-0.3861
25	30	Biased	72.615	72.256	-0.3597
26	30	Unbiased	73.008	72.627	-0.3808
27	30	Unbiased	72.838	72.444	-0.3942
28	30	Unbiased	72.65	72.28	-0.3702
29	30	Unbiased	73.183	72.762	-0.4206
30	30	Unbiased	72.79	72.444	-0.3464
31	50	Biased	74.918	74.492	-0.4257
32	50	Biased	72.851	72.425	-0.4259
33	50	Biased	73.204	72.765	-0.4392
34	50	Biased	75.793	75.301	-0.4919
35	50	Biased	74.151	73.76	-0.3913
36	50	Unbiased	73.271	72.784	-0.487
37	50	Unbiased	73.355	72.826	-0.5293
38	50	Unbiased	73.096	72.651	-0.4445
39	50	Unbiased	73.138	72.709	-0.4286
40	50	Unbiased	73.422	72.895	-0.5268
41	100	Biased	72.966	72.296	-0.67
42	100	Biased	72.844	72.173	-0.6701
43	100	Biased	73.244	72.553	-0.6912
44	100	Biased	73.767	73.052	-0.715
45	100	Biased	72.846	72.234	-0.6116
46	100	Unbiased	73.6	72.874	-0.7257
47	100	Unbiased	76.995	76.32	-0.6748
48	100	Unbiased	74.326	73.667	-0.6593
49	100	Unbiased	72.833	72.237	-0.5958
50	100	Unbiased	73.021	72.476	-0.5453
51	0	Correlation	73.119	72.945	-0.174
52	0	Correlation	74.767	74.519	-0.248
53	0	Correlation	72.971	72.845	-0.1262
54	0	Correlation	73.172	72.927	-0.2455
55	0	Correlation	73.159	72.959	-0.2004

Test Statistics (Ω)

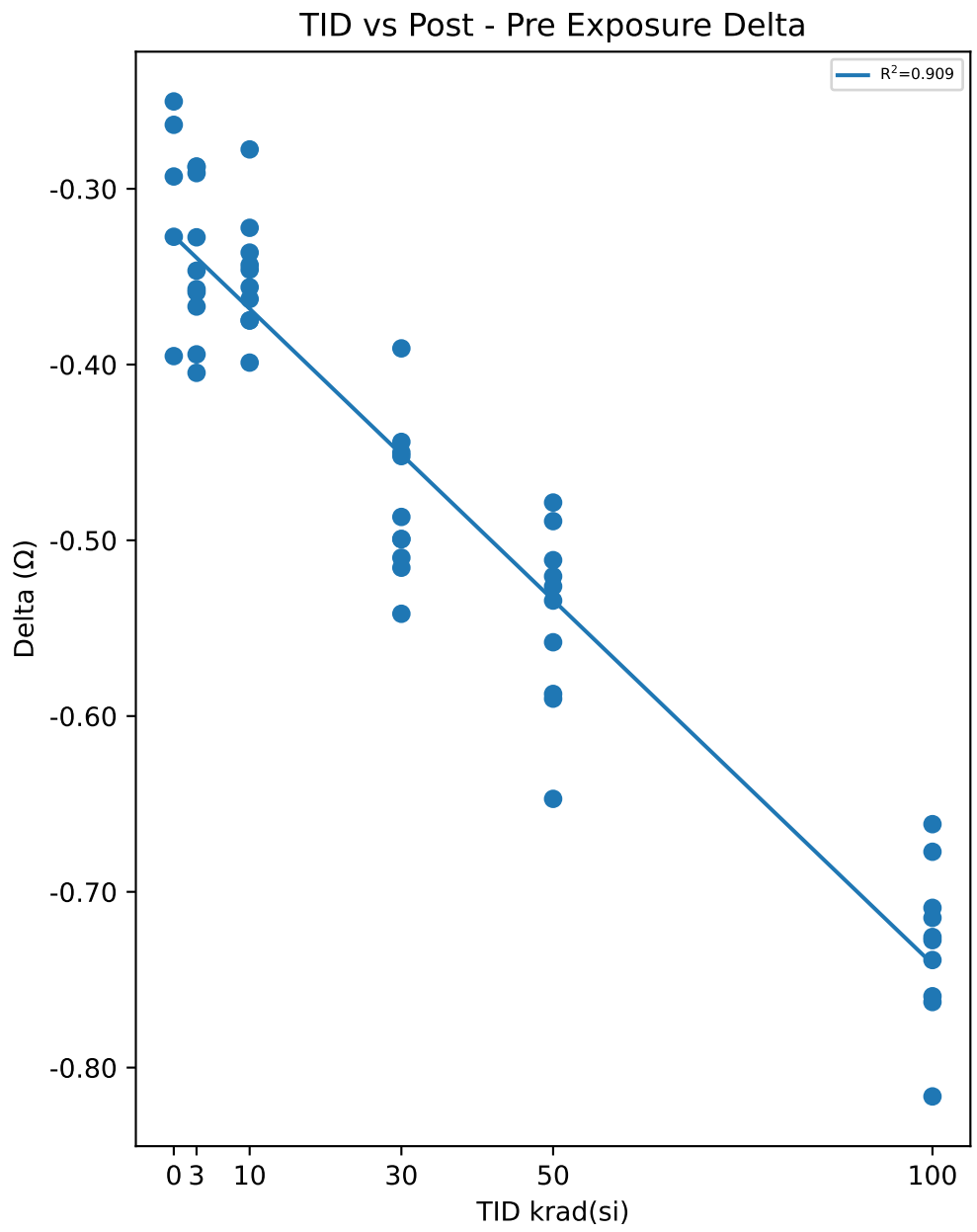
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	72.971	73.438	74.767	0.74721	72.845	73.239	74.519	0.71678	-0.248	-0.19882	-0.1262	0.05121
3	72.66	73.386	74.374	0.56369	72.388	73.127	74.123	0.57281	-0.3623	-0.25905	-0.1977	0.045408
10	72.69	73.56	75.143	0.76311	72.412	73.303	74.864	0.76794	-0.2879	-0.25716	-0.2216	0.025257
30	72.615	73.02	74.048	0.44513	72.256	72.661	73.699	0.43838	-0.4206	-0.35936	-0.2403	0.048163
50	72.851	73.72	75.793	0.94821	72.425	73.261	75.301	0.94862	-0.5293	-0.45902	-0.3913	0.046809
100	72.833	73.644	76.995	1.276	72.173	72.988	76.32	1.2608	-0.7257	-0.65588	-0.5453	0.055963

Device Test: 18.6; WDO_RNMOS_OD



Test Results (Upper Limit = 200.0 (Ω))

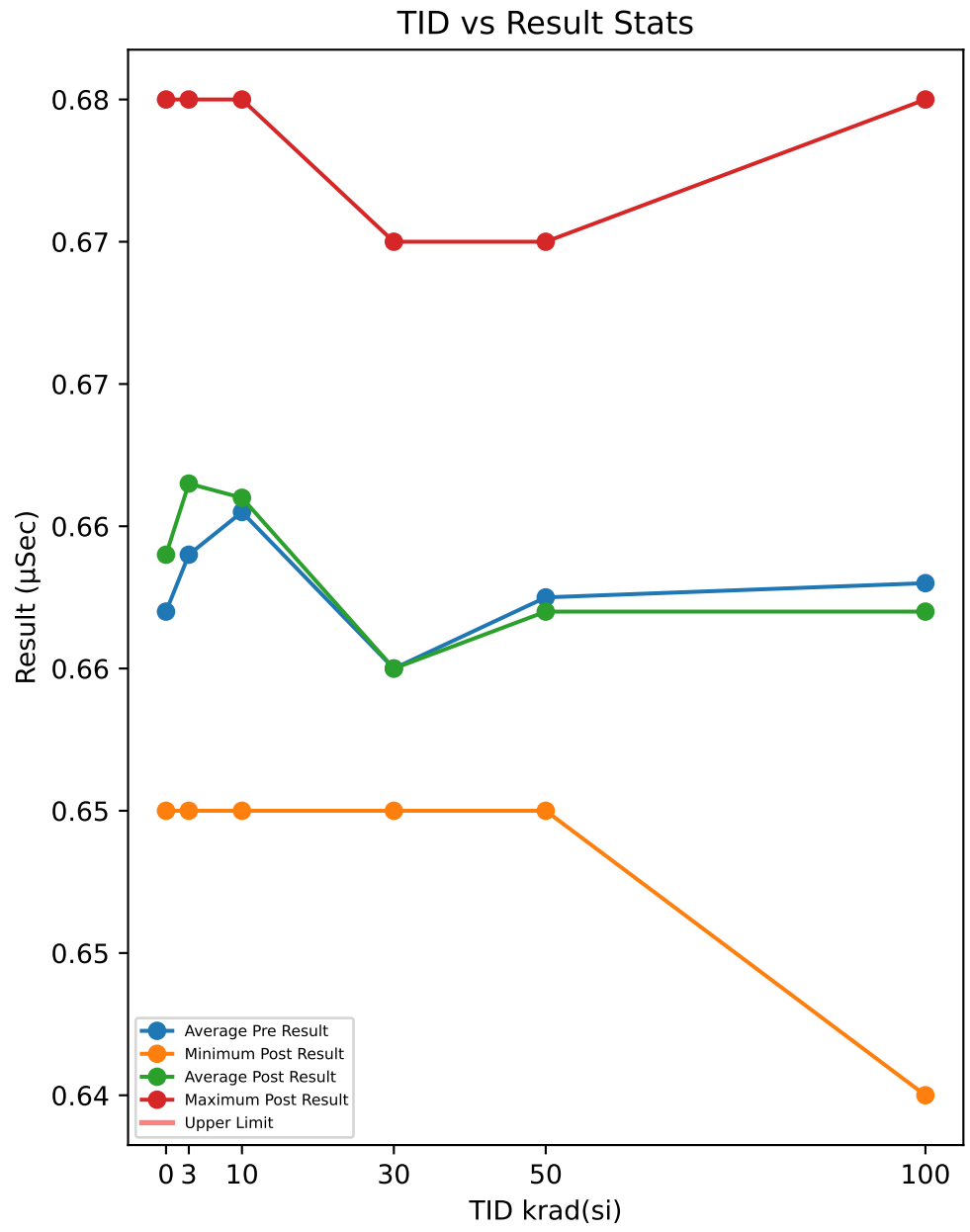
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	74.011	73.644	-0.367
2	3	Biased	74.773	74.368	-0.4047
3	3	Biased	74.927	74.532	-0.3942
4	3	Biased	74.998	74.641	-0.3571
5	3	Biased	73.849	73.49	-0.3588
6	3	Unbiased	74.29	74.002	-0.2876
7	3	Unbiased	75.349	75.057	-0.2911
8	3	Unbiased	73.966	73.679	-0.2873
9	3	Unbiased	74.558	74.23	-0.3276
10	3	Unbiased	75.171	74.824	-0.3466
11	10	Biased	74.292	73.894	-0.3989
12	10	Biased	73.99	73.615	-0.3748
13	10	Biased	74.412	74.066	-0.346
14	10	Biased	74.091	73.716	-0.375
15	10	Biased	74.465	74.143	-0.3222
16	10	Unbiased	75.242	74.88	-0.3627
17	10	Unbiased	76.71	76.354	-0.356
18	10	Unbiased	74.945	74.668	-0.2776
19	10	Unbiased	74.436	74.092	-0.3434
20	10	Unbiased	75.478	75.142	-0.3363
21	30	Biased	74.085	73.695	-0.3908
22	30	Biased	74.006	73.506	-0.4994
23	30	Biased	75.131	74.681	-0.45
24	30	Biased	74.584	74.098	-0.4867
25	30	Biased	73.743	73.244	-0.4992
26	30	Unbiased	74.391	73.939	-0.4521
27	30	Unbiased	74.231	73.787	-0.444
28	30	Unbiased	73.77	73.26	-0.5099
29	30	Unbiased	74.231	73.716	-0.5156
30	30	Unbiased	73.879	73.337	-0.5418
31	50	Biased	76.208	75.561	-0.6471
32	50	Biased	74.276	73.798	-0.4785
33	50	Biased	74.316	73.827	-0.4891
34	50	Biased	76.943	76.423	-0.5205
35	50	Biased	75.38	74.869	-0.5113
36	50	Unbiased	74.46	73.872	-0.5874
37	50	Unbiased	74.438	73.904	-0.5343
38	50	Unbiased	74.253	73.726	-0.5262
39	50	Unbiased	74.229	73.671	-0.558
40	50	Unbiased	74.563	73.973	-0.5901
41	100	Biased	74.144	73.467	-0.6772
42	100	Biased	74.107	73.347	-0.7594
43	100	Biased	74.706	73.992	-0.7148
44	100	Biased	74.874	74.135	-0.7388
45	100	Biased	74.162	73.453	-0.7091
46	100	Unbiased	74.903	74.14	-0.7627
47	100	Unbiased	78.236	77.51	-0.7257
48	100	Unbiased	75.68	74.864	-0.8164
49	100	Unbiased	74.048	73.321	-0.7275
50	100	Unbiased	74.38	73.719	-0.6615
51	0	Correlation	74.154	73.891	-0.2636
52	0	Correlation	76.121	75.725	-0.3952
53	0	Correlation	74.093	73.843	-0.2503
54	0	Correlation	74.234	73.907	-0.3273
55	0	Correlation	74.279	73.986	-0.293

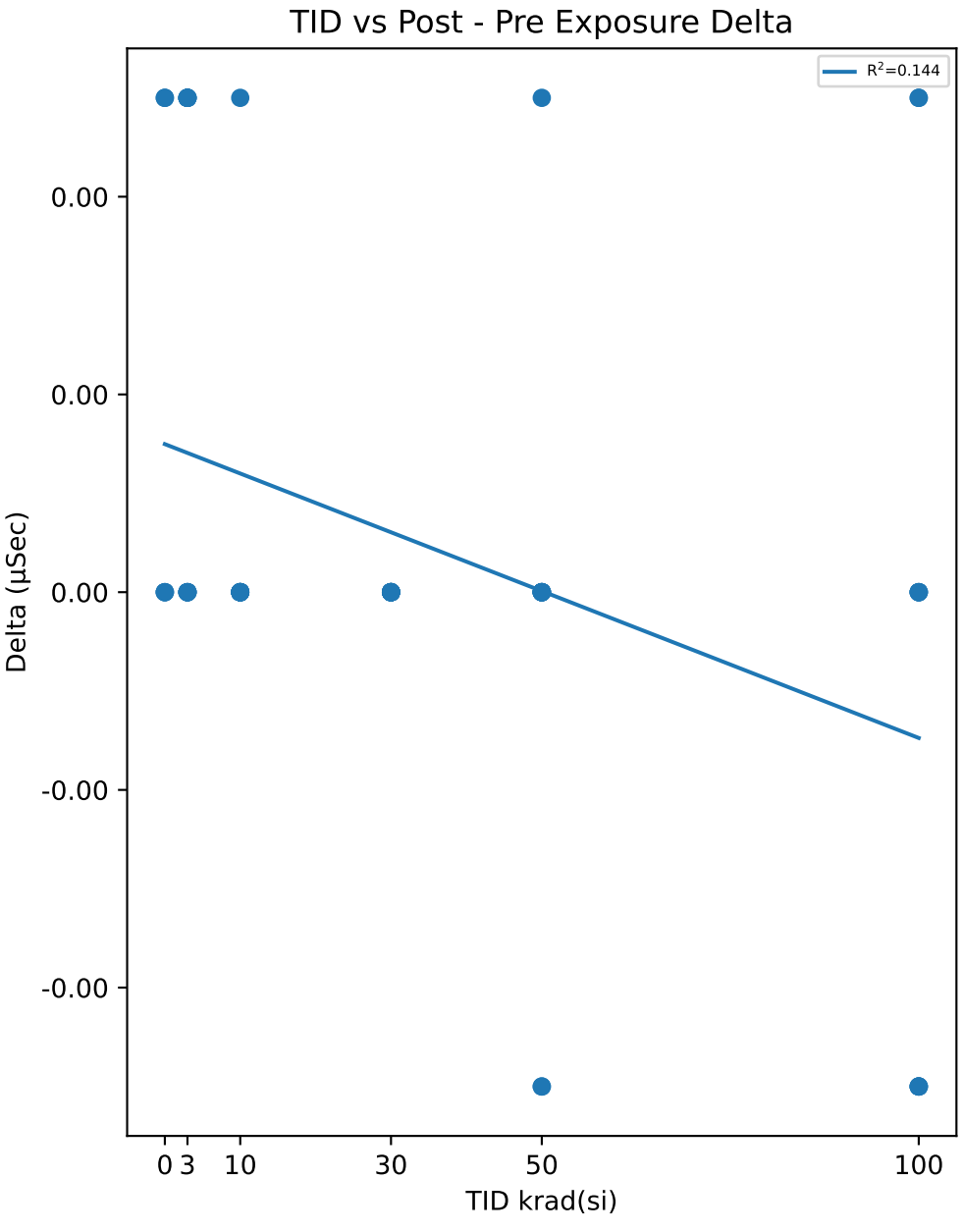


Test Statistics (Ω)

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	74.093	74.576	76.121	0.86629	73.843	74.27	75.725	0.81502	-0.3952	-0.30588	-0.2503	0.058051
3	73.849	74.589	75.349	0.53645	73.49	74.247	75.057	0.53334	-0.4047	-0.3422	-0.2873	0.042898
10	73.99	74.806	76.71	0.82575	73.615	74.457	76.354	0.83339	-0.3989	-0.34929	-0.2776	0.033475
30	73.743	74.205	75.131	0.42169	73.244	73.726	74.681	0.44089	-0.5418	-0.47895	-0.3908	0.044335
50	74.229	74.907	76.943	0.95665	73.671	74.362	76.423	0.9445	-0.6471	-0.54425	-0.4785	0.051823
100	74.048	74.924	78.236	1.2696	73.321	74.195	77.51	1.2594	-0.8164	-0.72931	-0.6615	0.044277

Device Test: 25.1; SR_UVLO_HT





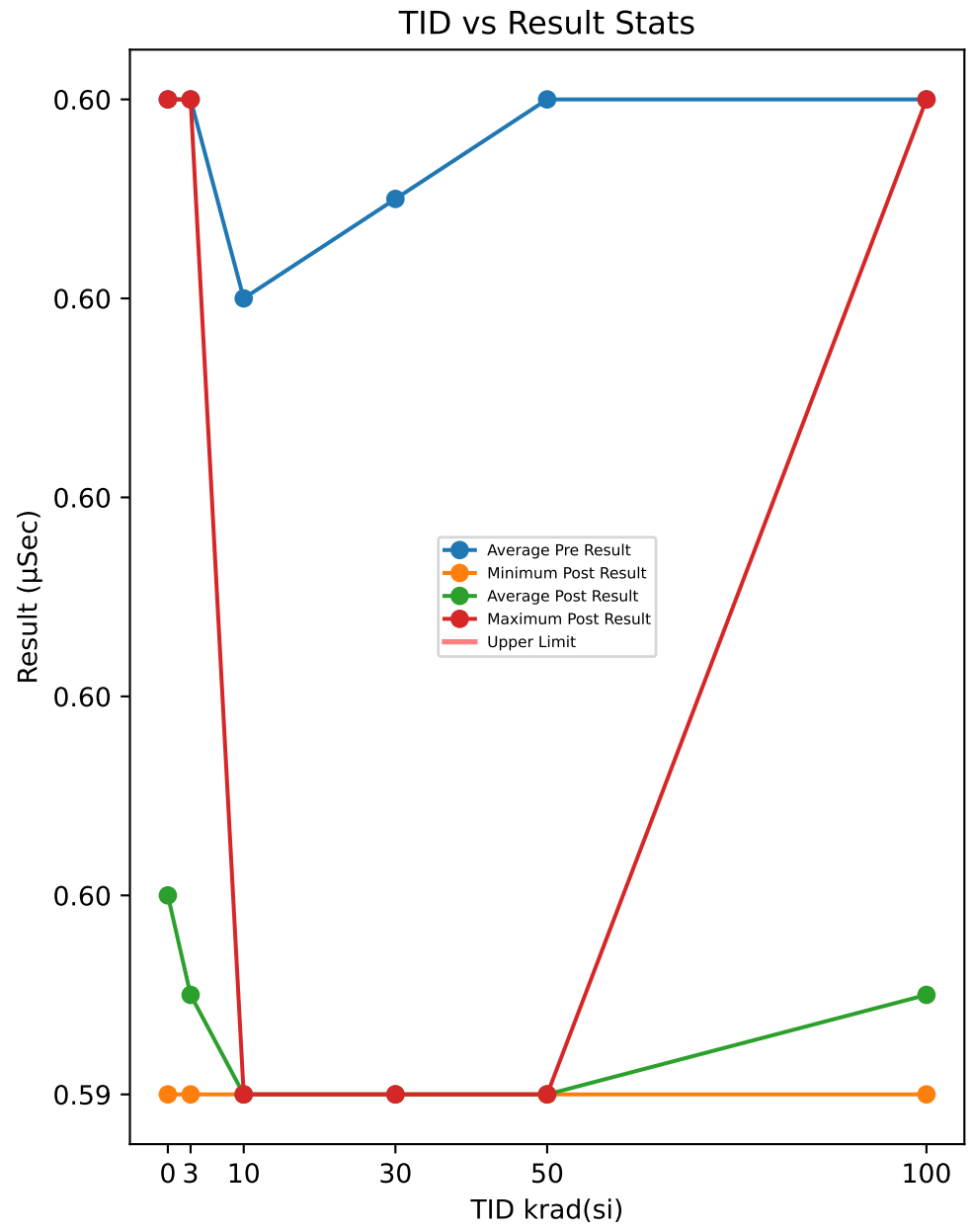
Test Results (No Limits Specified (µSec))

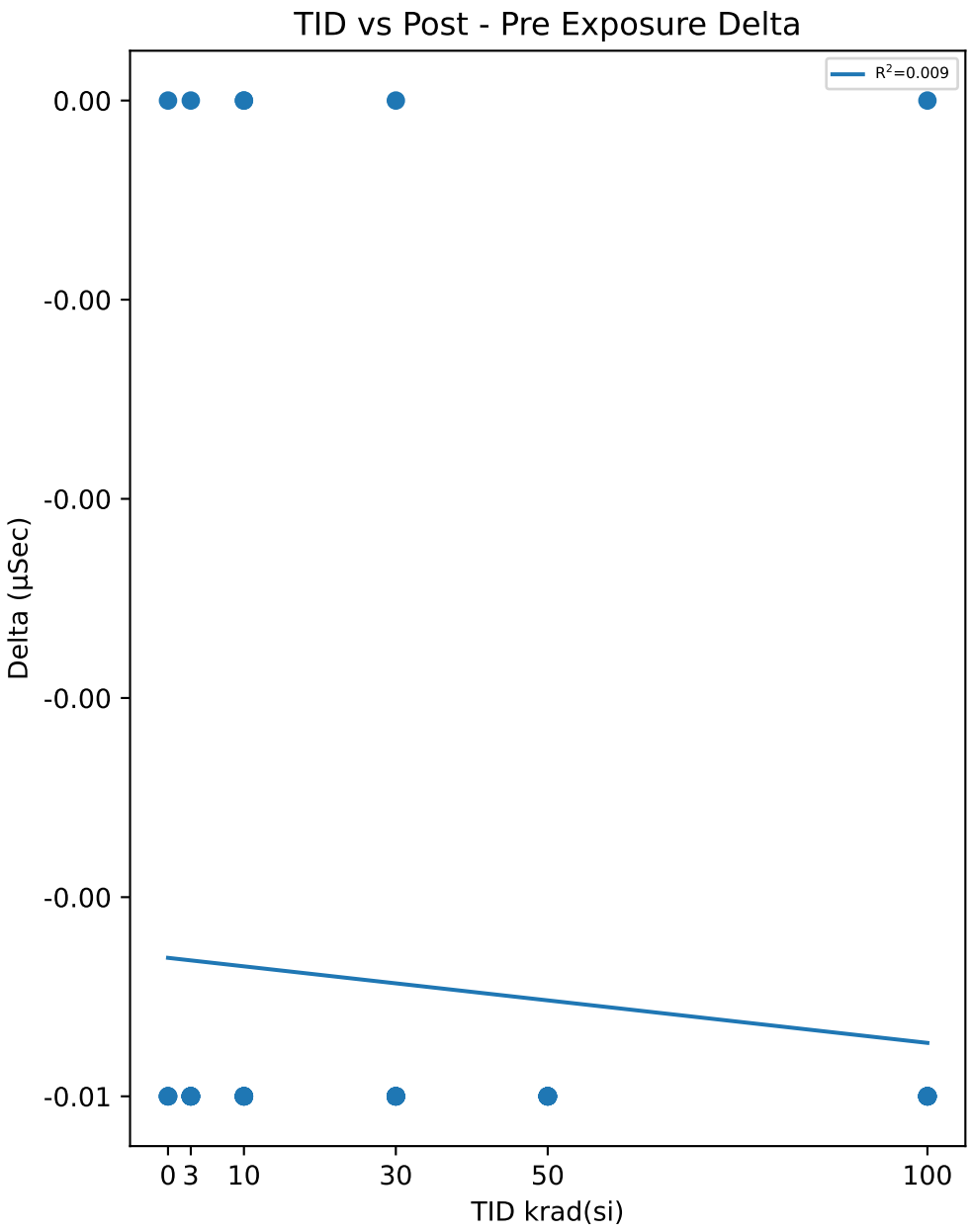
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.65	0.655	0.005
2	3	Biased	0.67	0.67	0
3	3	Biased	0.665	0.67	0.005
4	3	Biased	0.65	0.655	0.005
5	3	Biased	0.65	0.65	0
6	3	Unbiased	0.645	0.65	0.005
7	3	Unbiased	0.675	0.675	0
8	3	Unbiased	0.655	0.655	0
9	3	Unbiased	0.665	0.67	0.005
10	3	Unbiased	0.665	0.665	0
11	10	Biased	0.655	0.655	0
12	10	Biased	0.66	0.66	0
13	10	Biased	0.665	0.67	0.005
14	10	Biased	0.65	0.65	0
15	10	Biased	0.655	0.655	0
16	10	Unbiased	0.665	0.665	0
17	10	Unbiased	0.675	0.675	0
18	10	Unbiased	0.665	0.665	0
19	10	Unbiased	0.655	0.655	0
20	10	Unbiased	0.66	0.66	0
21	30	Biased	0.655	0.655	0
22	30	Biased	0.65	0.65	0
23	30	Biased	0.67	0.67	0
24	30	Biased	0.66	0.66	0
25	30	Biased	0.65	0.65	0
26	30	Unbiased	0.655	0.655	0
27	30	Unbiased	0.65	0.65	0
28	30	Unbiased	0.655	0.655	0
29	30	Unbiased	0.655	0.655	0
30	30	Unbiased	0.65	0.65	0
31	50	Biased	0.665	0.665	0
32	50	Biased	0.66	0.655	-0.005
33	50	Biased	0.65	0.65	0
34	50	Biased	0.675	0.67	-0.005
35	50	Biased	0.655	0.655	0
36	50	Unbiased	0.655	0.655	0
37	50	Unbiased	0.655	0.655	0
38	50	Unbiased	0.65	0.65	0
39	50	Unbiased	0.66	0.66	0
40	50	Unbiased	0.65	0.655	0.005
41	100	Biased	0.65	0.645	-0.005
42	100	Biased	0.65	0.645	-0.005
43	100	Biased	0.66	0.655	-0.005
44	100	Biased	0.665	0.665	0
45	100	Biased	0.645	0.64	-0.005
46	100	Unbiased	0.665	0.67	0.005
47	100	Unbiased	0.665	0.665	0
48	100	Unbiased	0.67	0.675	0.005
49	100	Unbiased	0.65	0.65	0
50	100	Unbiased	0.66	0.66	0
51	0	Correlation	0.655	0.655	0
52	0	Correlation	0.675	0.675	0
53	0	Correlation	0.65	0.655	0.005
54	0	Correlation	0.655	0.66	0.005
55	0	Correlation	0.65	0.65	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	0.65	0.657	0.675	0.010368	0.65	0.659	0.675	0.0096177	0	0.002	0.005	0.0027386
3	0.645	0.659	0.675	0.01022	0.65	0.6615	0.675	0.0094428	0	0.0025	0.005	0.0026352
10	0.65	0.6605	0.675	0.0072457	0.65	0.661	0.675	0.007746	0	0.0005	0.005	0.0015811
30	0.65	0.655	0.67	0.0062361	0.65	0.655	0.67	0.0062361	0	0	0	0
50	0.65	0.6575	0.675	0.0079057	0.65	0.657	0.67	0.0063246	-0.005	-0.0005	0.005	0.0028382
100	0.645	0.658	0.67	0.0085635	0.64	0.657	0.675	0.011832	-0.005	-0.001	0.005	0.0039441

Device Test: 25.10; SENSE_F_HT_PP





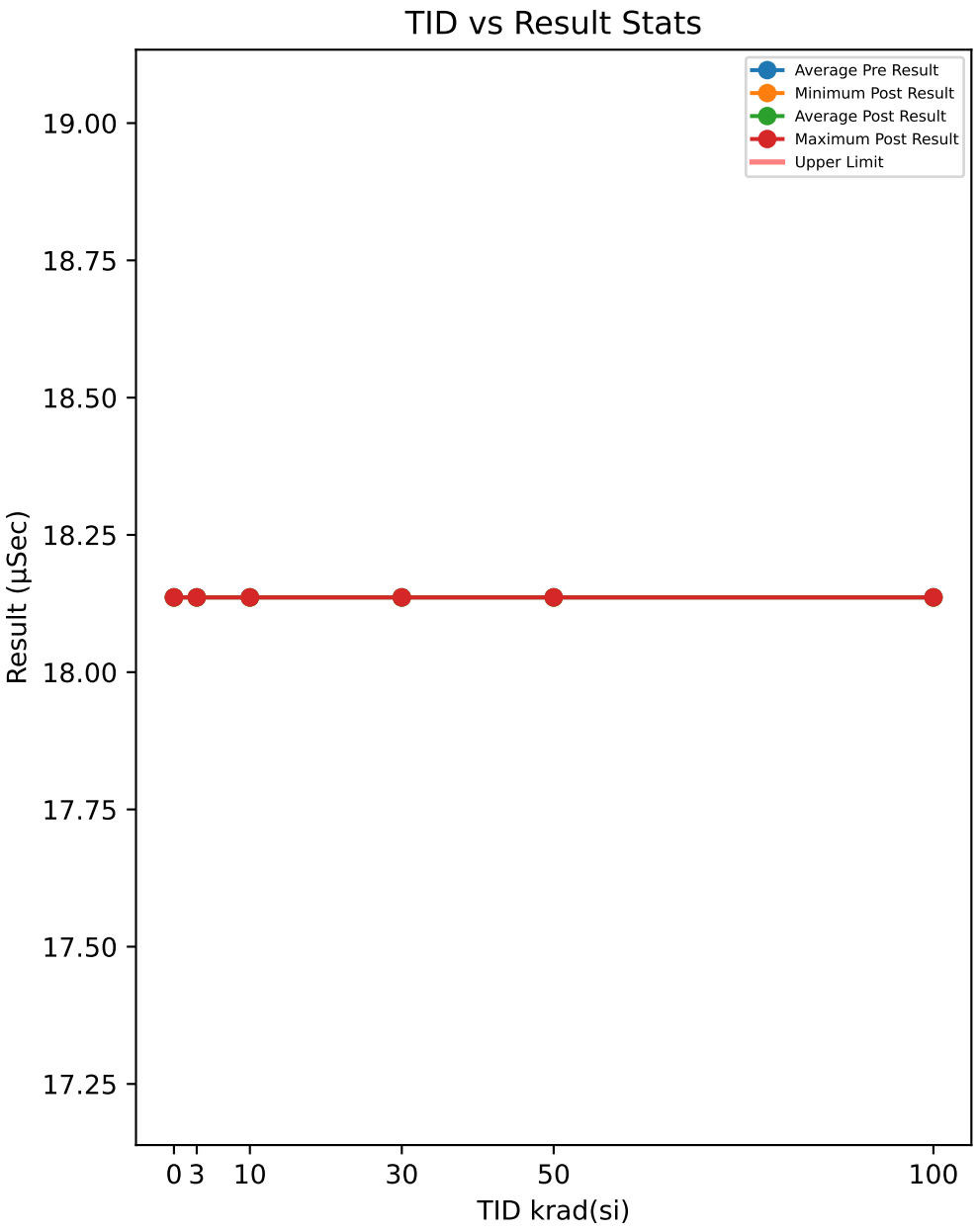
Test Results (No Limits Specified (µSec))

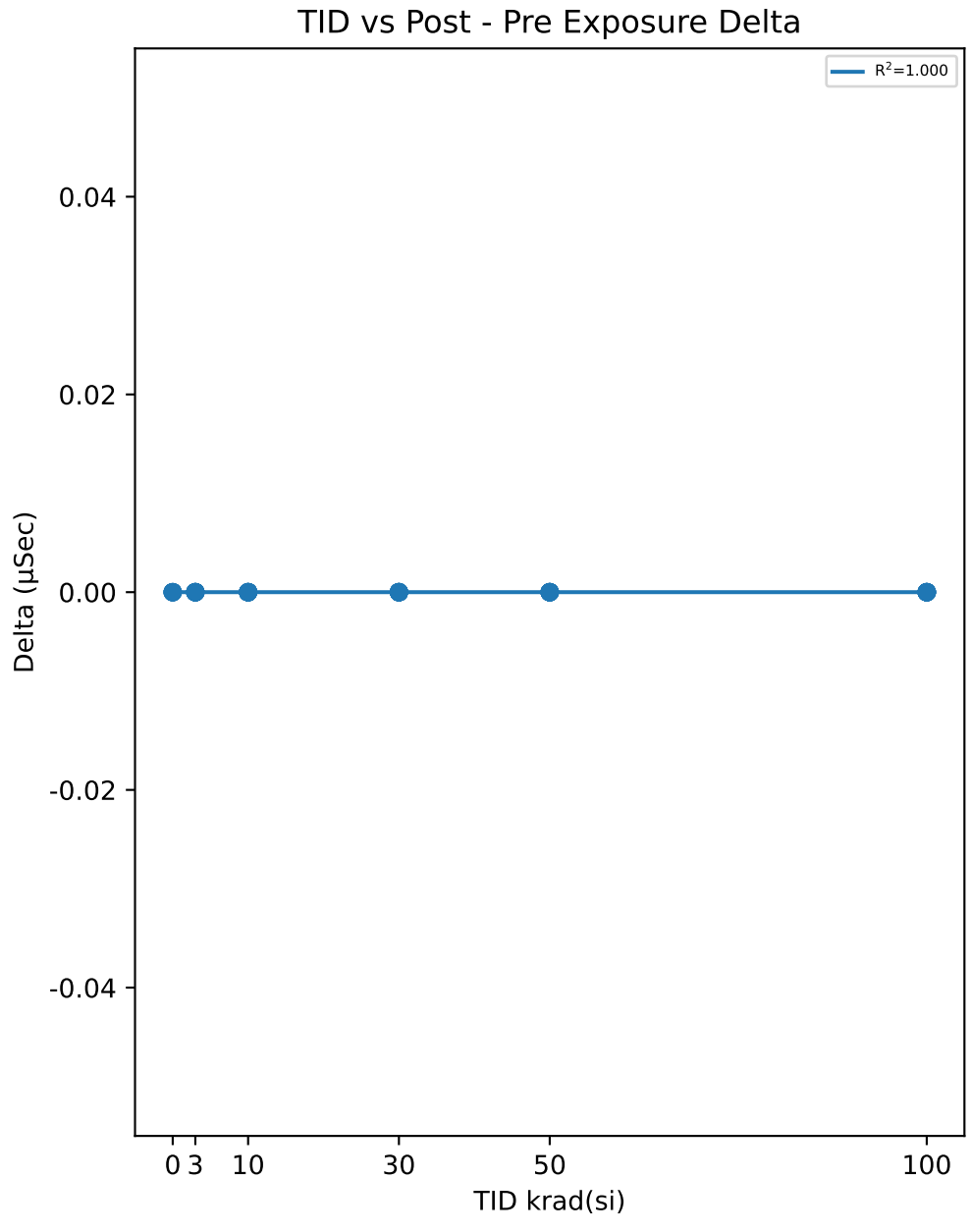
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.6	0.6	0
2	3	Biased	0.6	0.595	-0.005
3	3	Biased	0.6	0.595	-0.005
4	3	Biased	0.6	0.595	-0.005
5	3	Biased	0.6	0.595	-0.005
6	3	Unbiased	0.6	0.595	-0.005
7	3	Unbiased	0.6	0.595	-0.005
8	3	Unbiased	0.6	0.595	-0.005
9	3	Unbiased	0.6	0.595	-0.005
10	3	Unbiased	0.6	0.595	-0.005
11	10	Biased	0.6	0.595	-0.005
12	10	Biased	0.6	0.595	-0.005
13	10	Biased	0.595	0.595	0
14	10	Biased	0.6	0.595	-0.005
15	10	Biased	0.6	0.595	-0.005
16	10	Unbiased	0.6	0.595	-0.005
17	10	Unbiased	0.6	0.595	-0.005
18	10	Unbiased	0.6	0.595	-0.005
19	10	Unbiased	0.595	0.595	0
20	10	Unbiased	0.6	0.595	-0.005
21	30	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	Unbiased	0.6	0.595	-0.005
27	30	Unbiased	0.6	0.595	-0.005
28	30	Unbiased	0.595	0.595	0
29	30	Unbiased	0.6	0.595	-0.005
30	30	Unbiased	0.6	0.595	-0.005
31	50	Biased	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	Unbiased	0.6	0.595	-0.005
37	50	Unbiased	0.6	0.595	-0.005
38	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	100	Biased	0.6	0.595	-0.005
42	100	Biased	0.6	0.595	-0.005
43	100	Biased	0.6	0.595	-0.005
44	100	Biased	0.6	0.595	-0.005
45	100	Biased	0.6	0.6	0
46	100	Unbiased	0.6	0.595	-0.005
47	100	Unbiased	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	0	Correlation	0.6	0.595	-0.005
52	0	Correlation	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	0.6	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	0.595	0.596	0.6	0.0022361	-0.005	-0.004	0	0.0022361
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	0.599	0.6	0.0021082	0.595	0.595	0.595	0	-0.005	-0.004	0	0.0021082
30	0.595	0.5995	0.6	0.0015811	0.595	0.595	0.595	0	-0.005	-0.0045	0	0.0015811
50	0.6	0.6	0.6	0	0.595	0.595	0.595	0	-0.005	-0.005	-0.005	0
100	0.6	0.6	0.6	0	0.595	0.5955	0.6	0.0015811	-0.005	-0.0045	0	0.0015811

Device Test: 25.11; WDI_HT





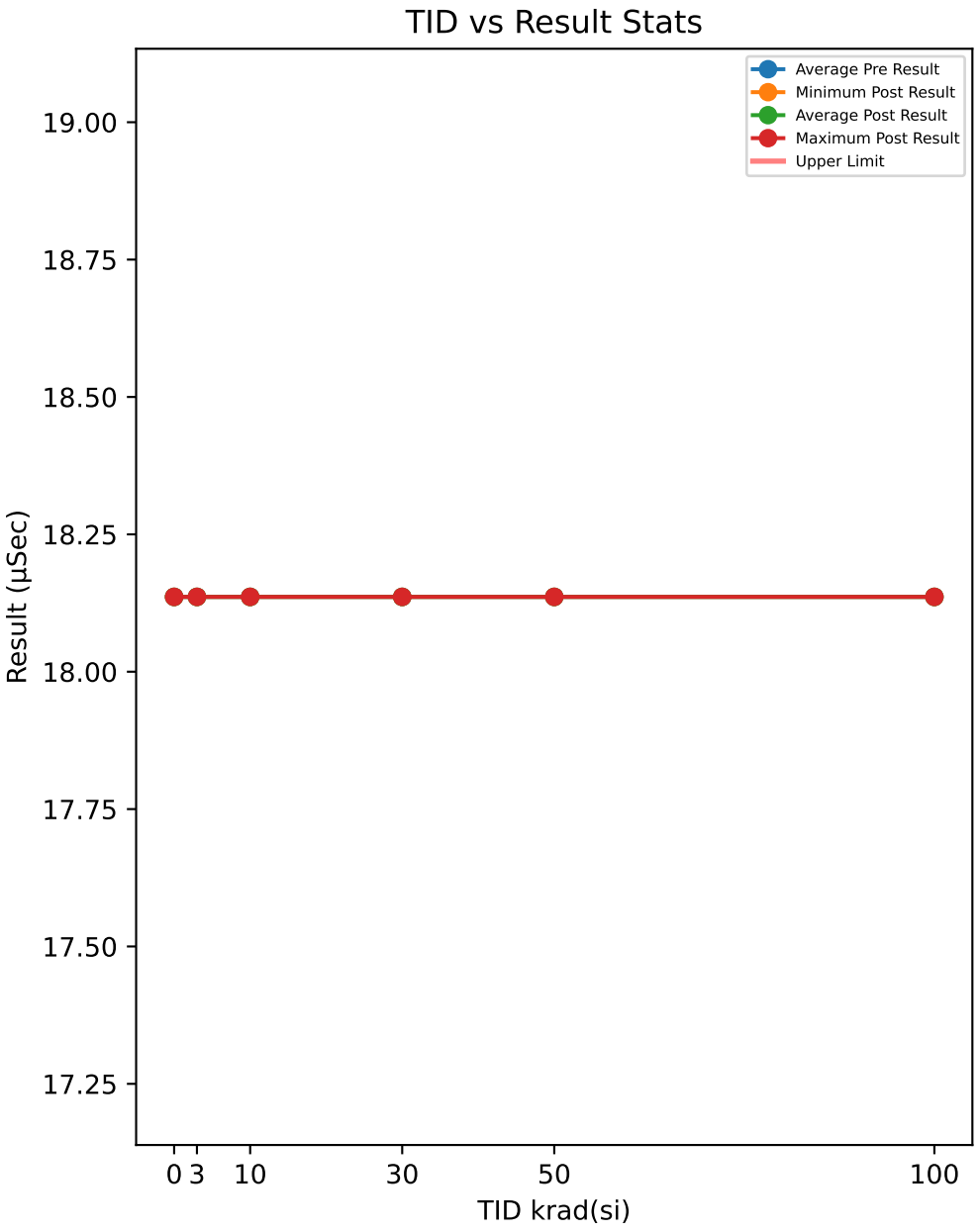
Test Results (No Limits Specified (µSec))

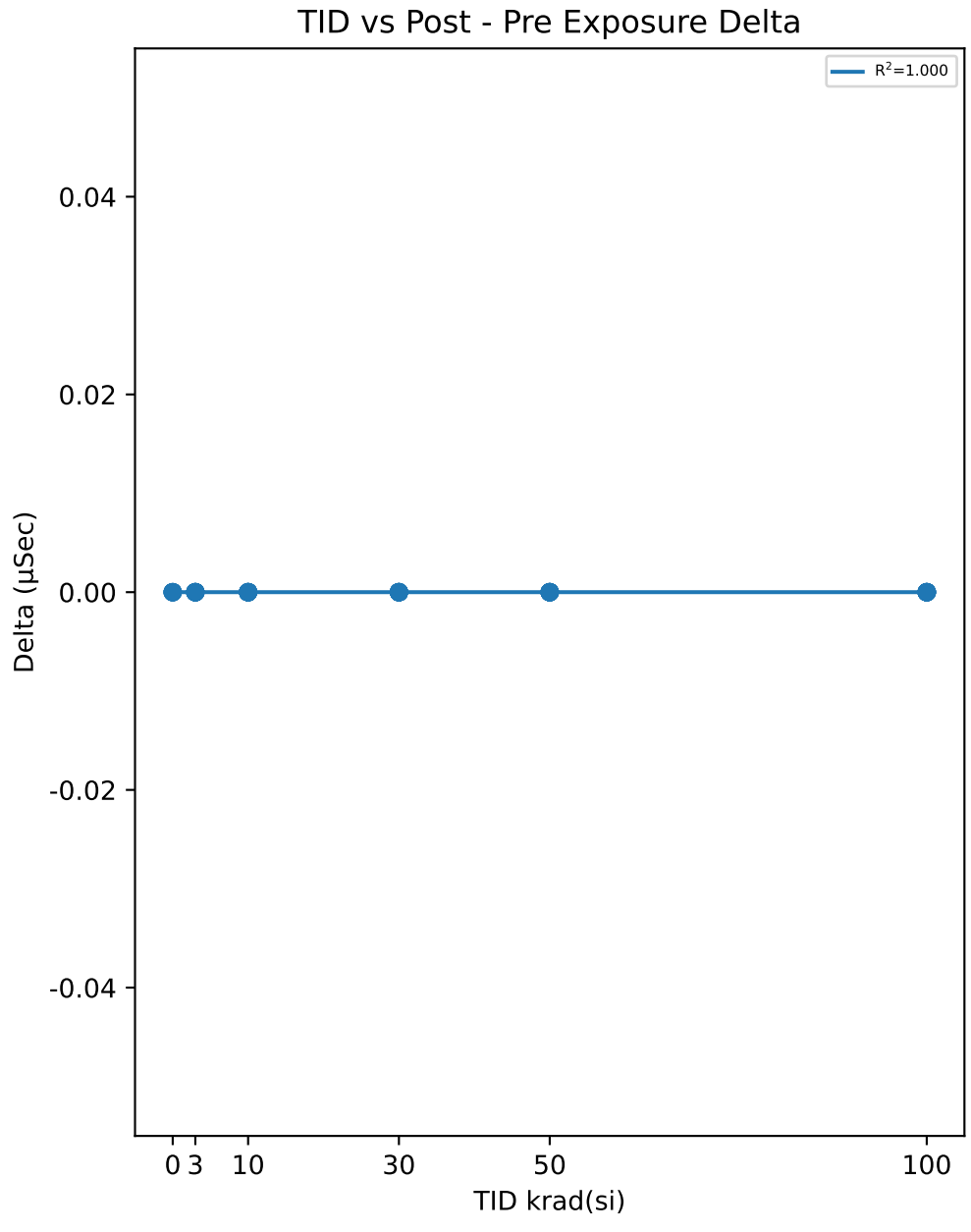
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	18.136	18.136	0
2	3	Biased	18.136	18.136	0
3	3	Biased	18.136	18.136	0
4	3	Biased	18.136	18.136	0
5	3	Biased	18.136	18.136	0
6	3	Unbiased	18.136	18.136	0
7	3	Unbiased	18.136	18.136	0
8	3	Unbiased	18.136	18.136	0
9	3	Unbiased	18.136	18.136	0
10	3	Unbiased	18.136	18.136	0
11	10	Biased	18.136	18.136	0
12	10	Biased	18.136	18.136	0
13	10	Biased	18.136	18.136	0
14	10	Biased	18.136	18.136	0
15	10	Biased	18.136	18.136	0
16	10	Unbiased	18.136	18.136	0
17	10	Unbiased	18.136	18.136	0
18	10	Unbiased	18.136	18.136	0
19	10	Unbiased	18.136	18.136	0
20	10	Unbiased	18.136	18.136	0
21	30	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	Unbiased	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	50	Biased	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	Unbiased	18.136	18.136	0
37	50	Unbiased	18.136	18.136	0
38	50	Unbiased	18.136	18.136	0
39	50	Unbiased	18.136	18.136	0
40	50	Unbiased	18.136	18.136	0
41	100	Biased	18.136	18.136	0
42	100	Biased	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	Unbiased	18.136	18.136	0
47	100	Unbiased	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	0	Correlation	18.136	18.136	0
52	0	Correlation	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

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





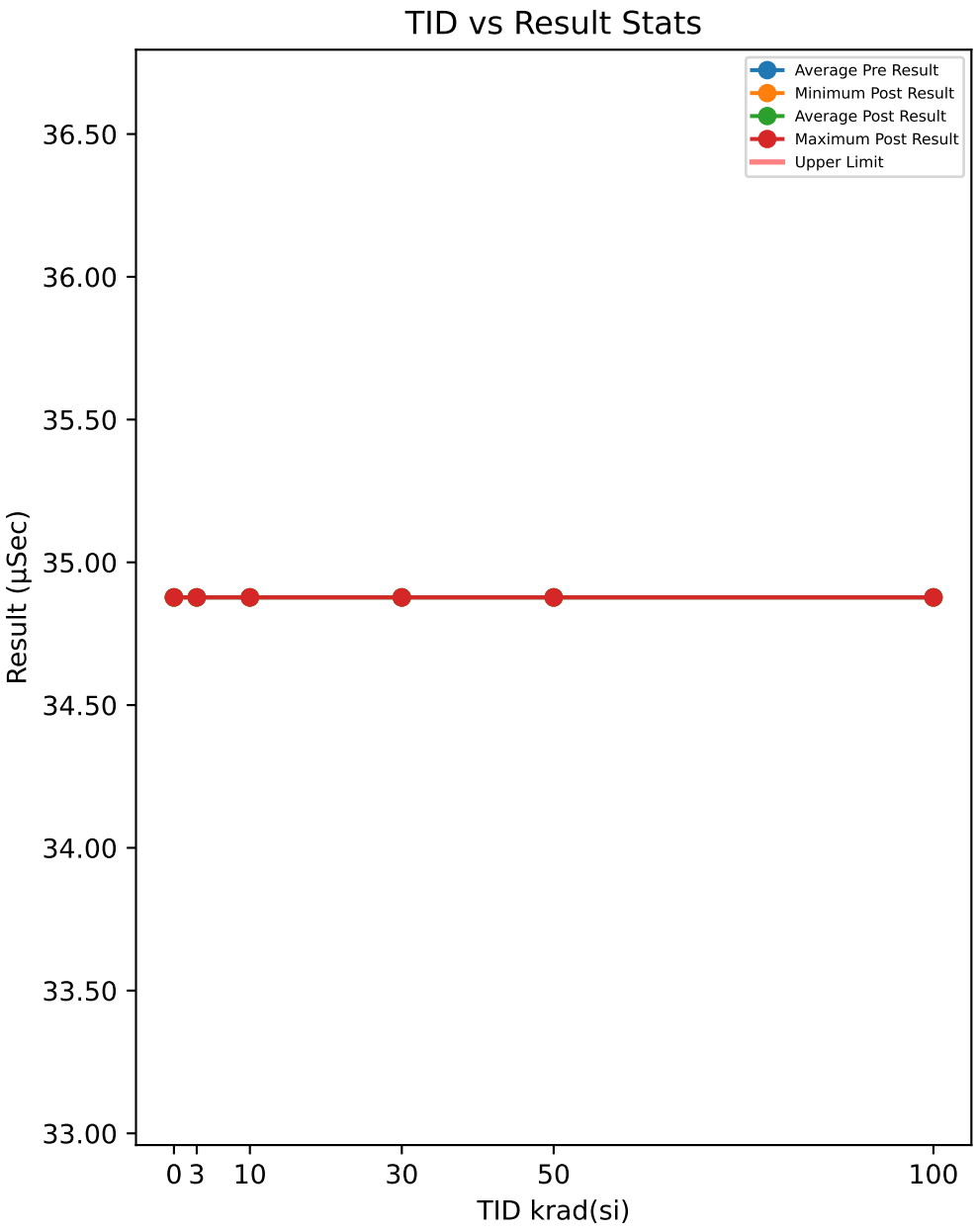
Test Results (No Limits Specified (µSec))

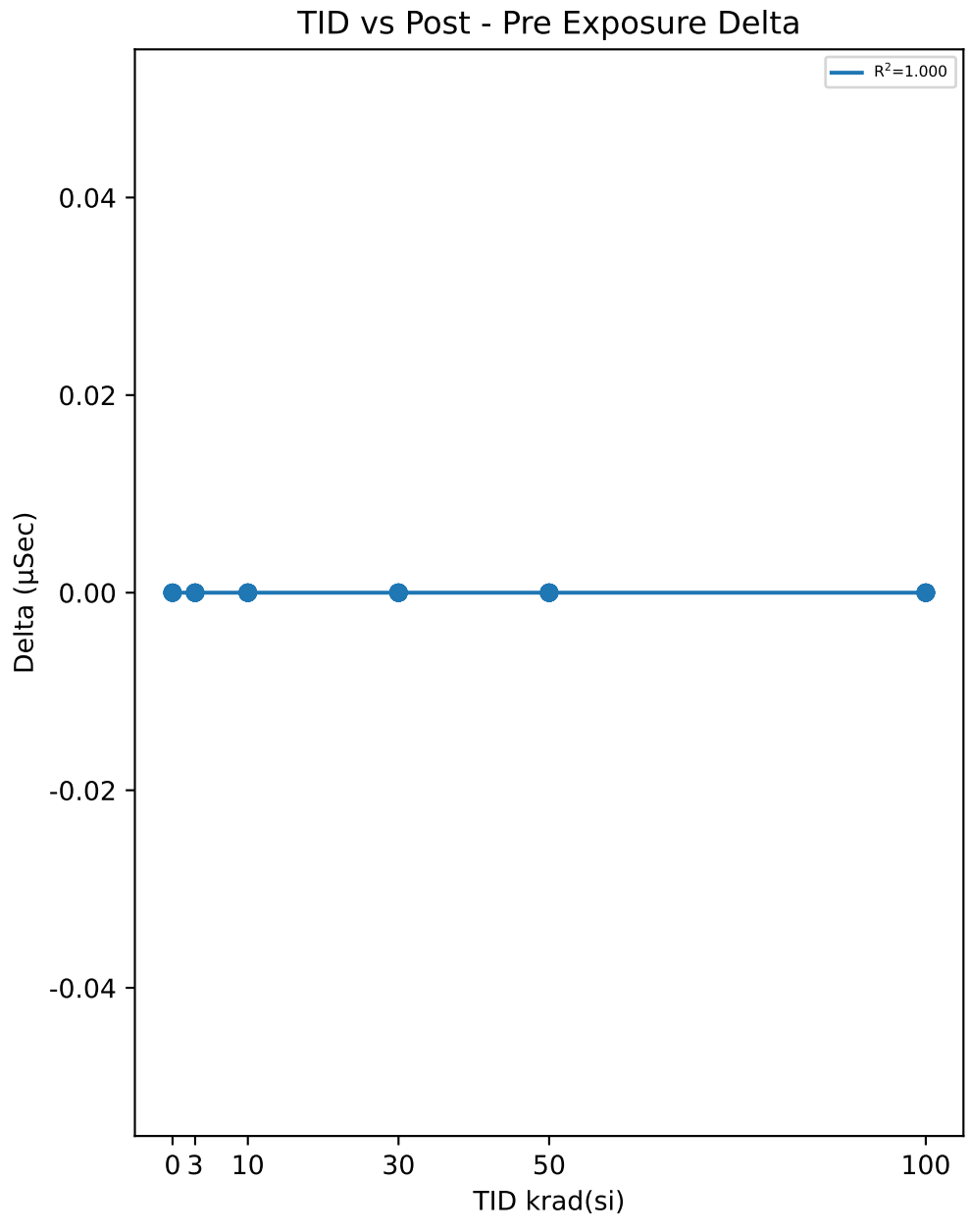
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	18.136	18.136	0
2	3	Biased	18.136	18.136	0
3	3	Biased	18.136	18.136	0
4	3	Biased	18.136	18.136	0
5	3	Biased	18.136	18.136	0
6	3	Unbiased	18.136	18.136	0
7	3	Unbiased	18.136	18.136	0
8	3	Unbiased	18.136	18.136	0
9	3	Unbiased	18.136	18.136	0
10	3	Unbiased	18.136	18.136	0
11	10	Biased	18.136	18.136	0
12	10	Biased	18.136	18.136	0
13	10	Biased	18.136	18.136	0
14	10	Biased	18.136	18.136	0
15	10	Biased	18.136	18.136	0
16	10	Unbiased	18.136	18.136	0
17	10	Unbiased	18.136	18.136	0
18	10	Unbiased	18.136	18.136	0
19	10	Unbiased	18.136	18.136	0
20	10	Unbiased	18.136	18.136	0
21	30	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	Unbiased	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	50	Biased	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	Unbiased	18.136	18.136	0
37	50	Unbiased	18.136	18.136	0
38	50	Unbiased	18.136	18.136	0
39	50	Unbiased	18.136	18.136	0
40	50	Unbiased	18.136	18.136	0
41	100	Biased	18.136	18.136	0
42	100	Biased	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	Unbiased	18.136	18.136	0
47	100	Unbiased	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	0	Correlation	18.136	18.136	0
52	0	Correlation	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

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





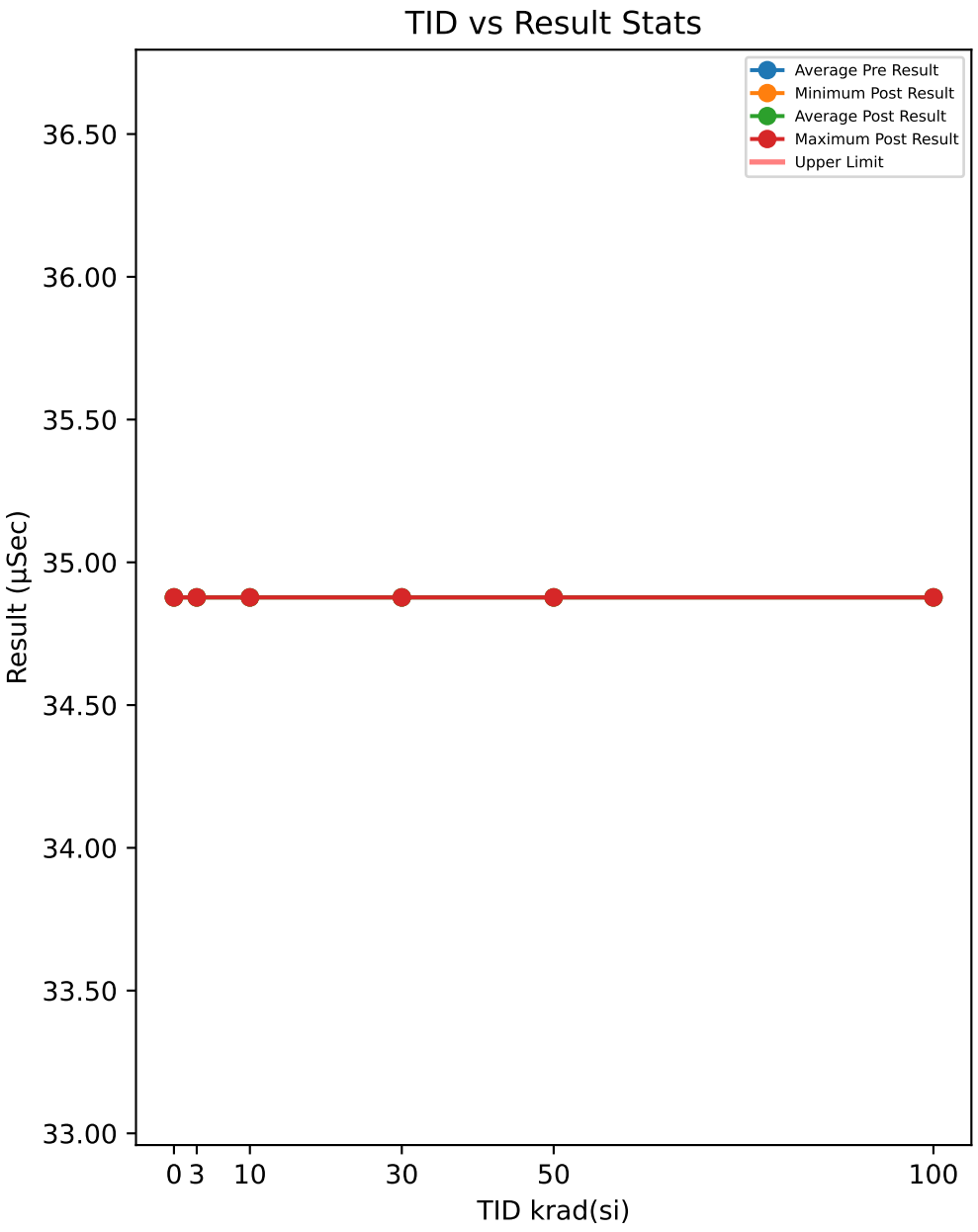
Test Results (No Limits Specified (µSec))

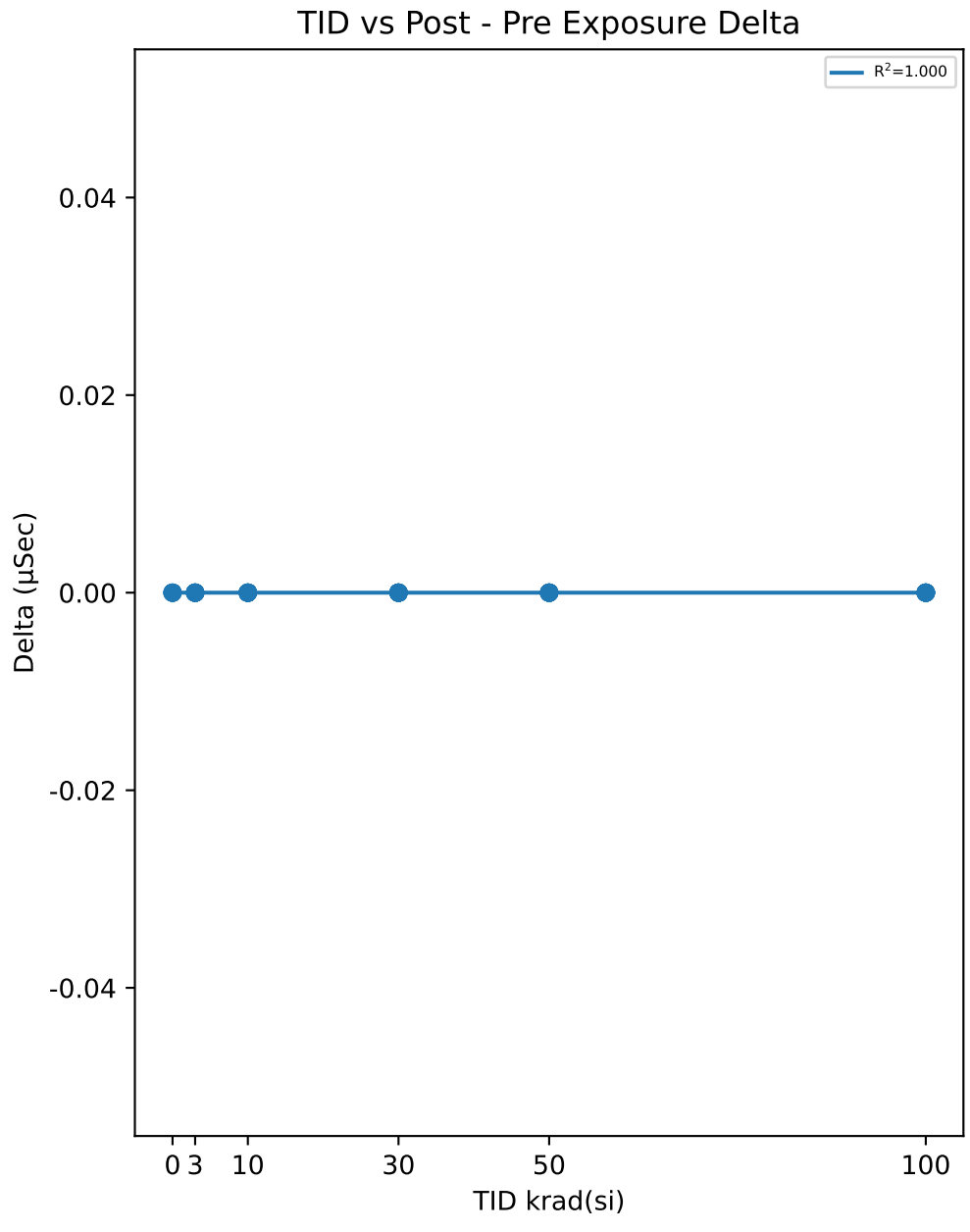
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	34.877	34.877	0
2	3	Biased	34.877	34.877	0
3	3	Biased	34.877	34.877	0
4	3	Biased	34.877	34.877	0
5	3	Biased	34.877	34.877	0
6	3	Unbiased	34.877	34.877	0
7	3	Unbiased	34.877	34.877	0
8	3	Unbiased	34.877	34.877	0
9	3	Unbiased	34.877	34.877	0
10	3	Unbiased	34.877	34.877	0
11	10	Biased	34.877	34.877	0
12	10	Biased	34.877	34.877	0
13	10	Biased	34.877	34.877	0
14	10	Biased	34.877	34.877	0
15	10	Biased	34.877	34.877	0
16	10	Unbiased	34.877	34.877	0
17	10	Unbiased	34.877	34.877	0
18	10	Unbiased	34.877	34.877	0
19	10	Unbiased	34.877	34.877	0
20	10	Unbiased	34.877	34.877	0
21	30	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	Unbiased	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	50	Biased	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	Unbiased	34.877	34.877	0
37	50	Unbiased	34.877	34.877	0
38	50	Unbiased	34.877	34.877	0
39	50	Unbiased	34.877	34.877	0
40	50	Unbiased	34.877	34.877	0
41	100	Biased	34.877	34.877	0
42	100	Biased	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	Unbiased	34.877	34.877	0
47	100	Unbiased	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	0	Correlation	34.877	34.877	0
52	0	Correlation	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

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





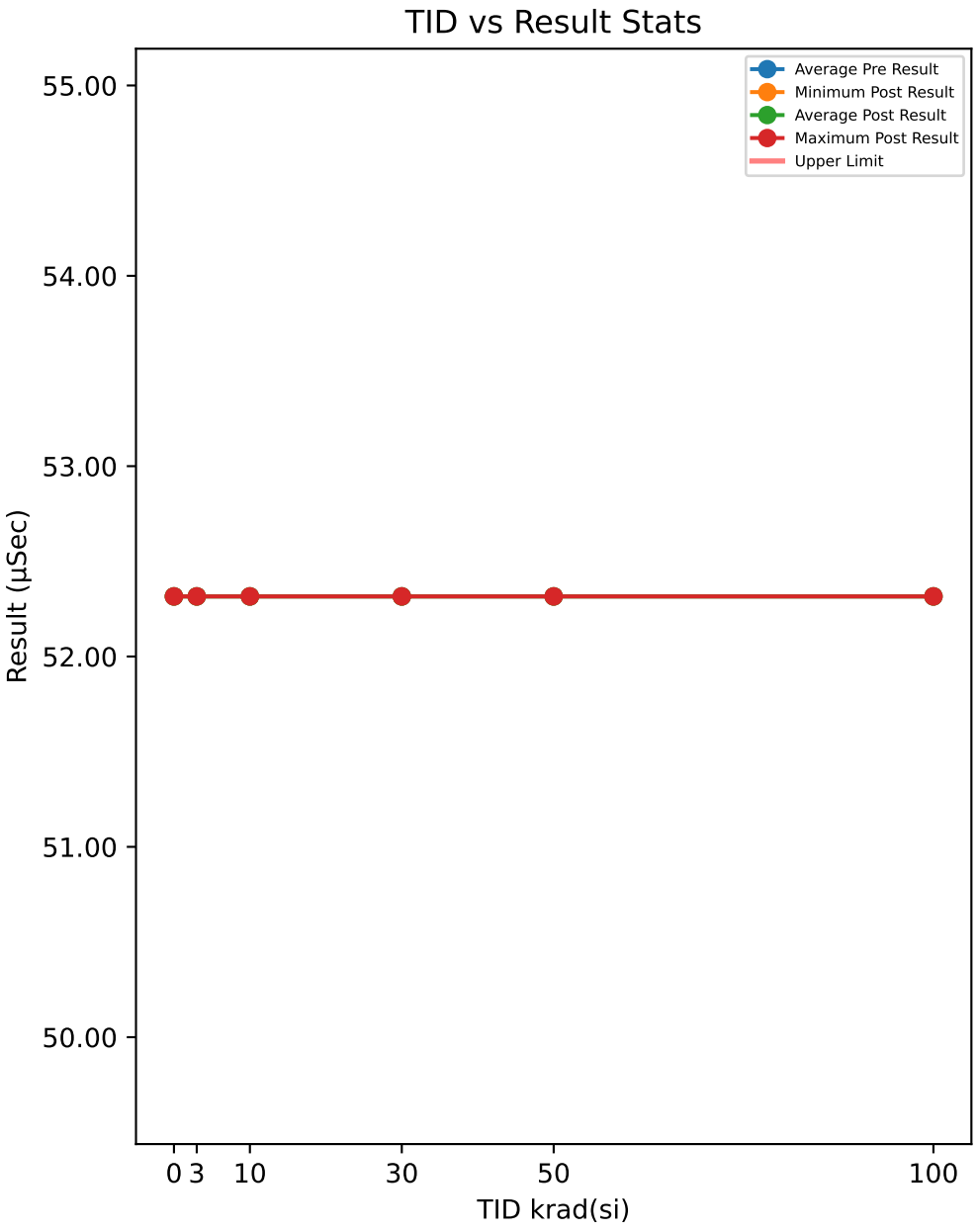
Test Results (No Limits Specified (µSec))

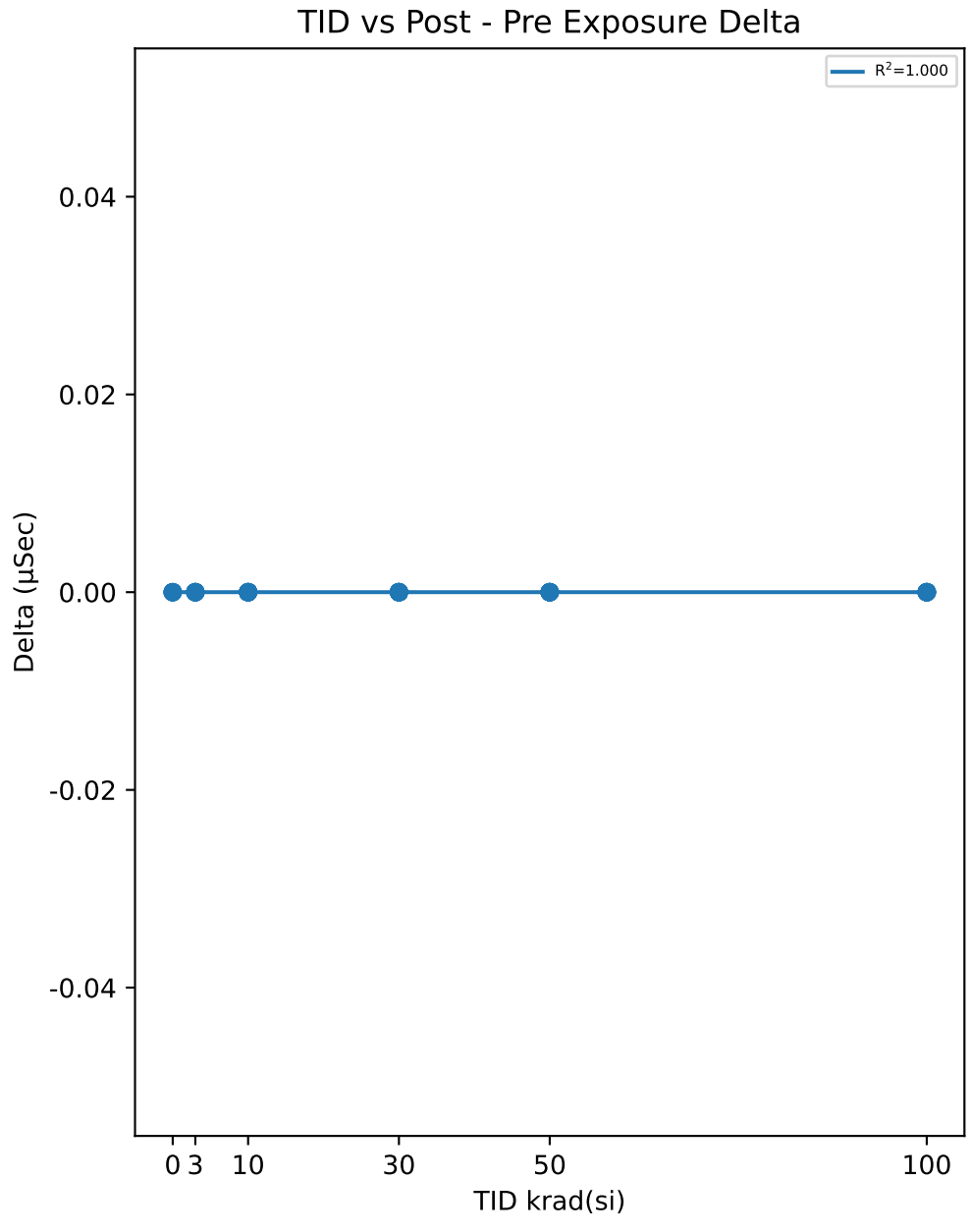
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	34.877	34.877	0
2	3	Biased	34.877	34.877	0
3	3	Biased	34.877	34.877	0
4	3	Biased	34.877	34.877	0
5	3	Biased	34.877	34.877	0
6	3	Unbiased	34.877	34.877	0
7	3	Unbiased	34.877	34.877	0
8	3	Unbiased	34.877	34.877	0
9	3	Unbiased	34.877	34.877	0
10	3	Unbiased	34.877	34.877	0
11	10	Biased	34.877	34.877	0
12	10	Biased	34.877	34.877	0
13	10	Biased	34.877	34.877	0
14	10	Biased	34.877	34.877	0
15	10	Biased	34.877	34.877	0
16	10	Unbiased	34.877	34.877	0
17	10	Unbiased	34.877	34.877	0
18	10	Unbiased	34.877	34.877	0
19	10	Unbiased	34.877	34.877	0
20	10	Unbiased	34.877	34.877	0
21	30	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	Unbiased	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	50	Biased	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	Unbiased	34.877	34.877	0
37	50	Unbiased	34.877	34.877	0
38	50	Unbiased	34.877	34.877	0
39	50	Unbiased	34.877	34.877	0
40	50	Unbiased	34.877	34.877	0
41	100	Biased	34.877	34.877	0
42	100	Biased	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	Unbiased	34.877	34.877	0
47	100	Unbiased	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	0	Correlation	34.877	34.877	0
52	0	Correlation	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

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





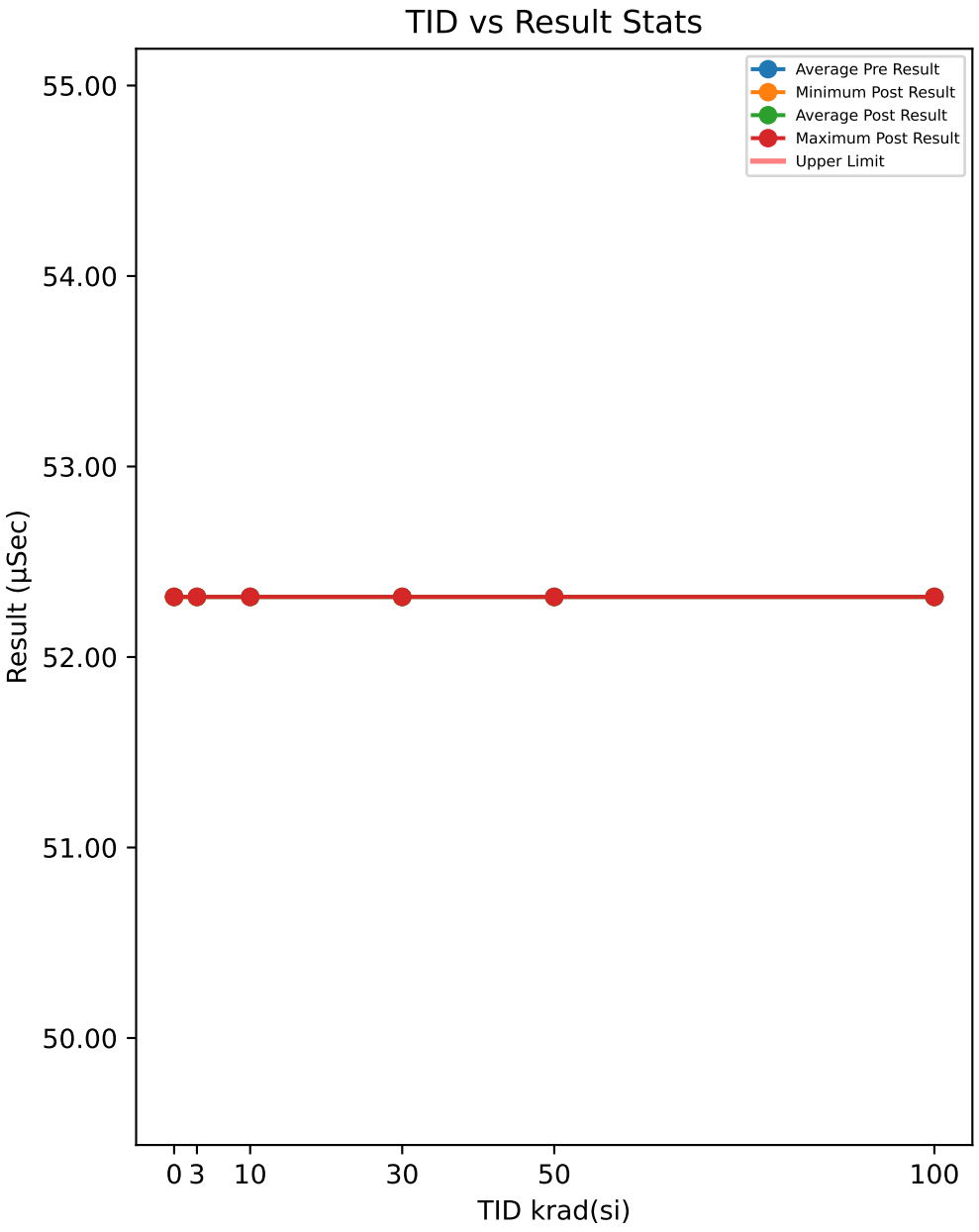
Test Results (No Limits Specified (µSec))

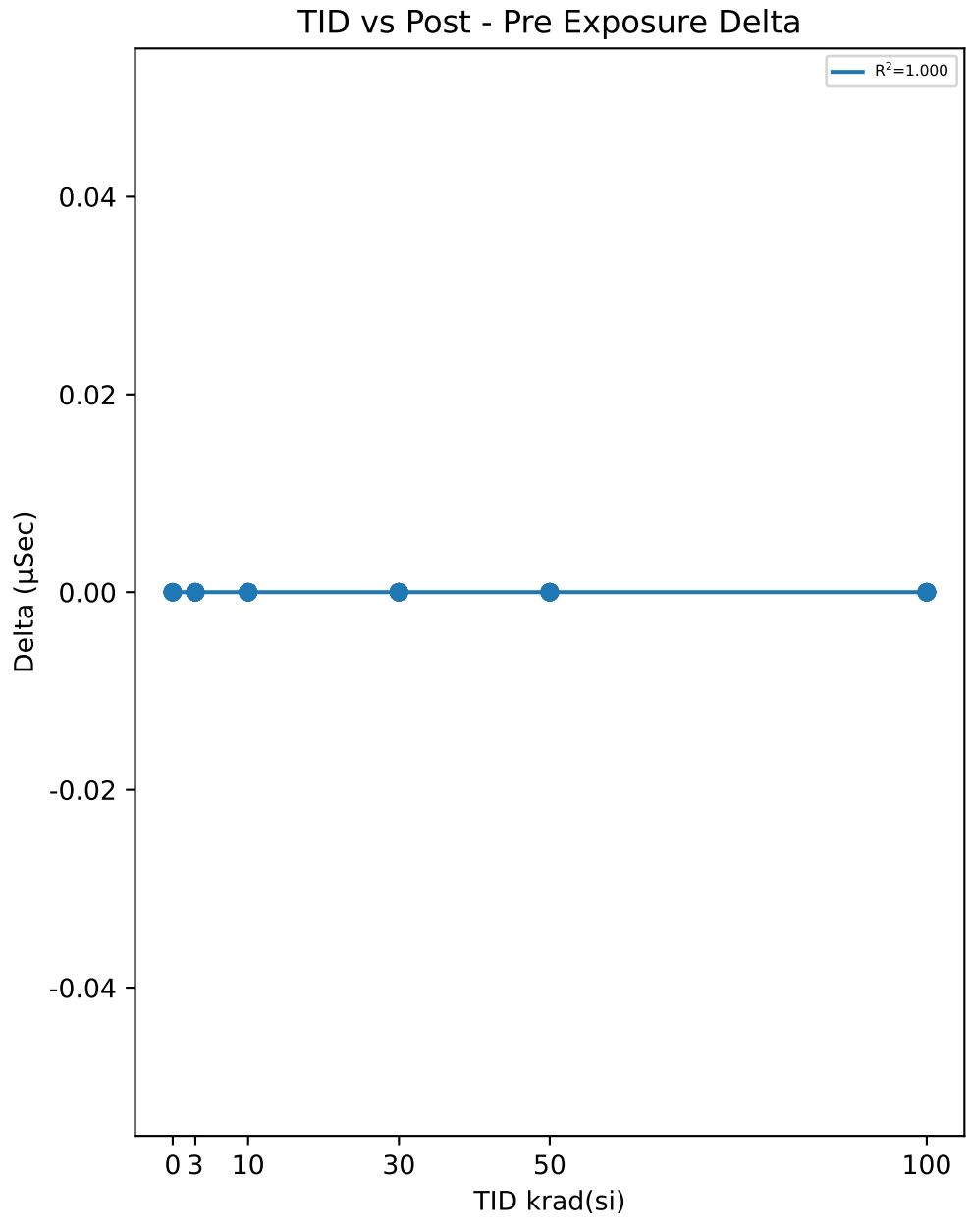
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	52.316	52.316	0
2	3	Biased	52.316	52.316	0
3	3	Biased	52.316	52.316	0
4	3	Biased	52.316	52.316	0
5	3	Biased	52.316	52.316	0
6	3	Unbiased	52.316	52.316	0
7	3	Unbiased	52.316	52.316	0
8	3	Unbiased	52.316	52.316	0
9	3	Unbiased	52.316	52.316	0
10	3	Unbiased	52.316	52.316	0
11	10	Biased	52.316	52.316	0
12	10	Biased	52.316	52.316	0
13	10	Biased	52.316	52.316	0
14	10	Biased	52.316	52.316	0
15	10	Biased	52.316	52.316	0
16	10	Unbiased	52.316	52.316	0
17	10	Unbiased	52.316	52.316	0
18	10	Unbiased	52.316	52.316	0
19	10	Unbiased	52.316	52.316	0
20	10	Unbiased	52.316	52.316	0
21	30	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	Unbiased	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	50	Biased	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	Unbiased	52.316	52.316	0
37	50	Unbiased	52.316	52.316	0
38	50	Unbiased	52.316	52.316	0
39	50	Unbiased	52.316	52.316	0
40	50	Unbiased	52.316	52.316	0
41	100	Biased	52.316	52.316	0
42	100	Biased	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	Unbiased	52.316	52.316	0
47	100	Unbiased	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	0	Correlation	52.316	52.316	0
52	0	Correlation	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

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





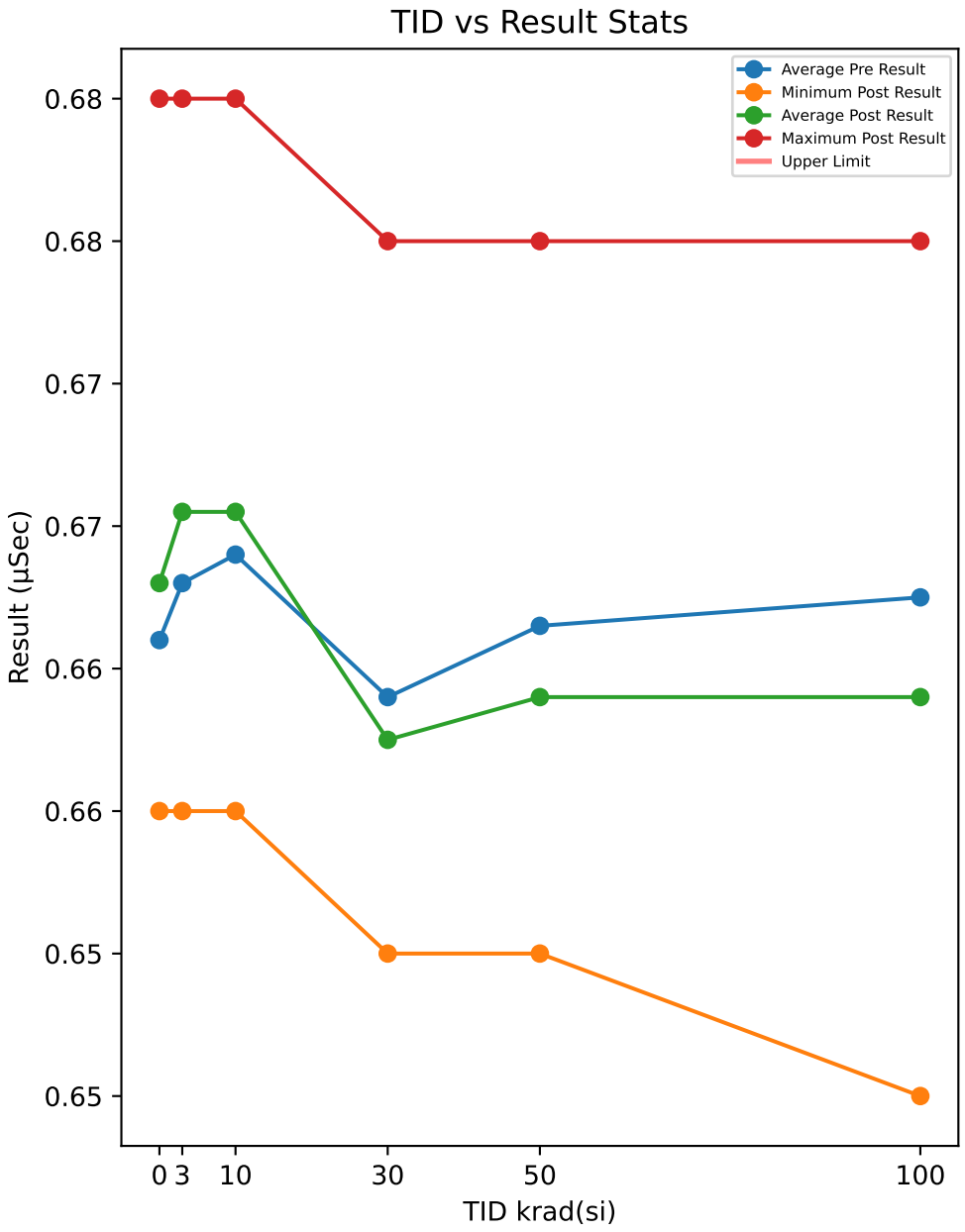
Test Results (No Limits Specified (µSec))

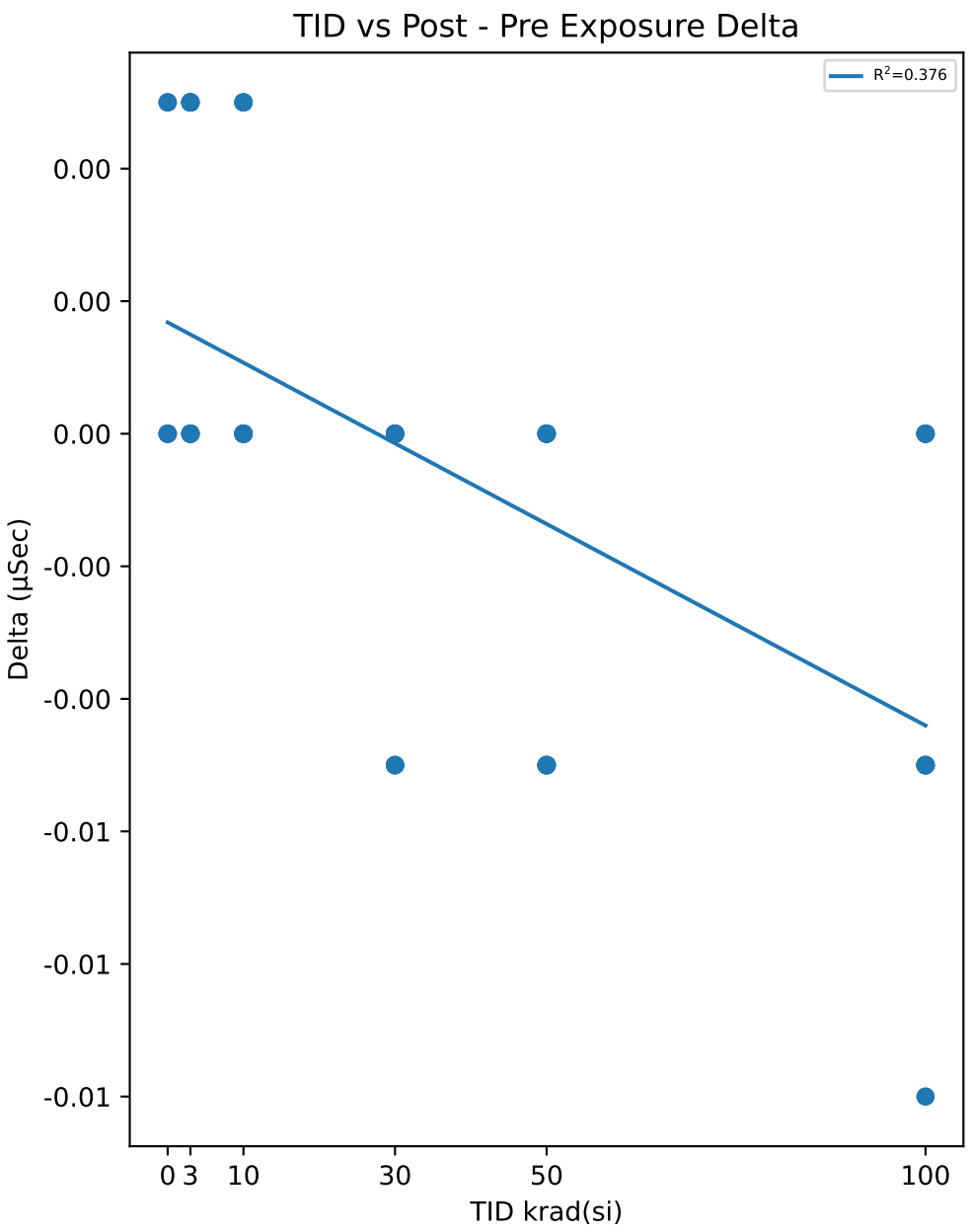
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	52.316	52.316	0
2	3	Biased	52.316	52.316	0
3	3	Biased	52.316	52.316	0
4	3	Biased	52.316	52.316	0
5	3	Biased	52.316	52.316	0
6	3	Unbiased	52.316	52.316	0
7	3	Unbiased	52.316	52.316	0
8	3	Unbiased	52.316	52.316	0
9	3	Unbiased	52.316	52.316	0
10	3	Unbiased	52.316	52.316	0
11	10	Biased	52.316	52.316	0
12	10	Biased	52.316	52.316	0
13	10	Biased	52.316	52.316	0
14	10	Biased	52.316	52.316	0
15	10	Biased	52.316	52.316	0
16	10	Unbiased	52.316	52.316	0
17	10	Unbiased	52.316	52.316	0
18	10	Unbiased	52.316	52.316	0
19	10	Unbiased	52.316	52.316	0
20	10	Unbiased	52.316	52.316	0
21	30	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	Unbiased	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	50	Biased	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	Unbiased	52.316	52.316	0
37	50	Unbiased	52.316	52.316	0
38	50	Unbiased	52.316	52.316	0
39	50	Unbiased	52.316	52.316	0
40	50	Unbiased	52.316	52.316	0
41	100	Biased	52.316	52.316	0
42	100	Biased	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	Unbiased	52.316	52.316	0
47	100	Unbiased	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	0	Correlation	52.316	52.316	0
52	0	Correlation	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

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





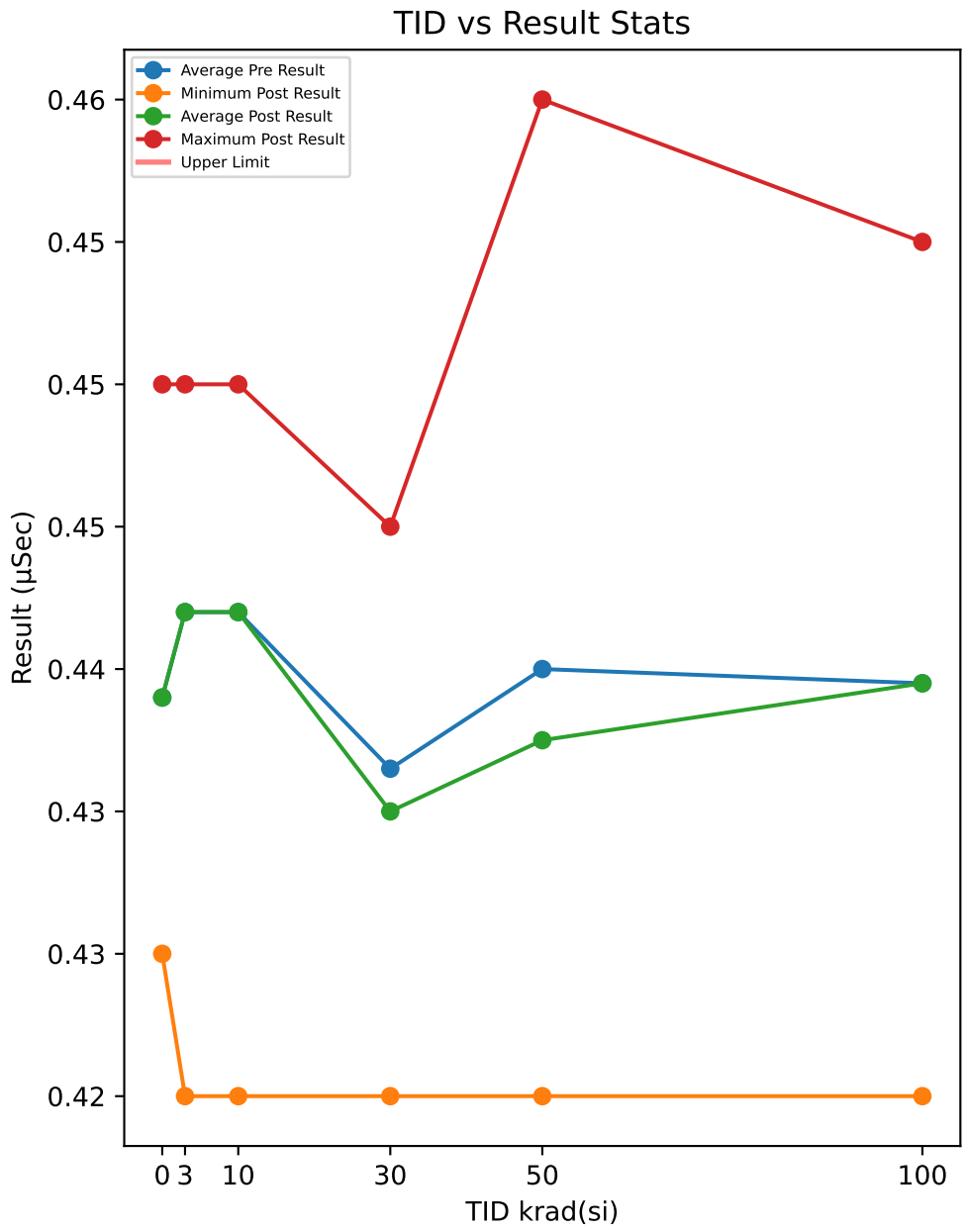
Test Results (No Limits Specified (µSec))

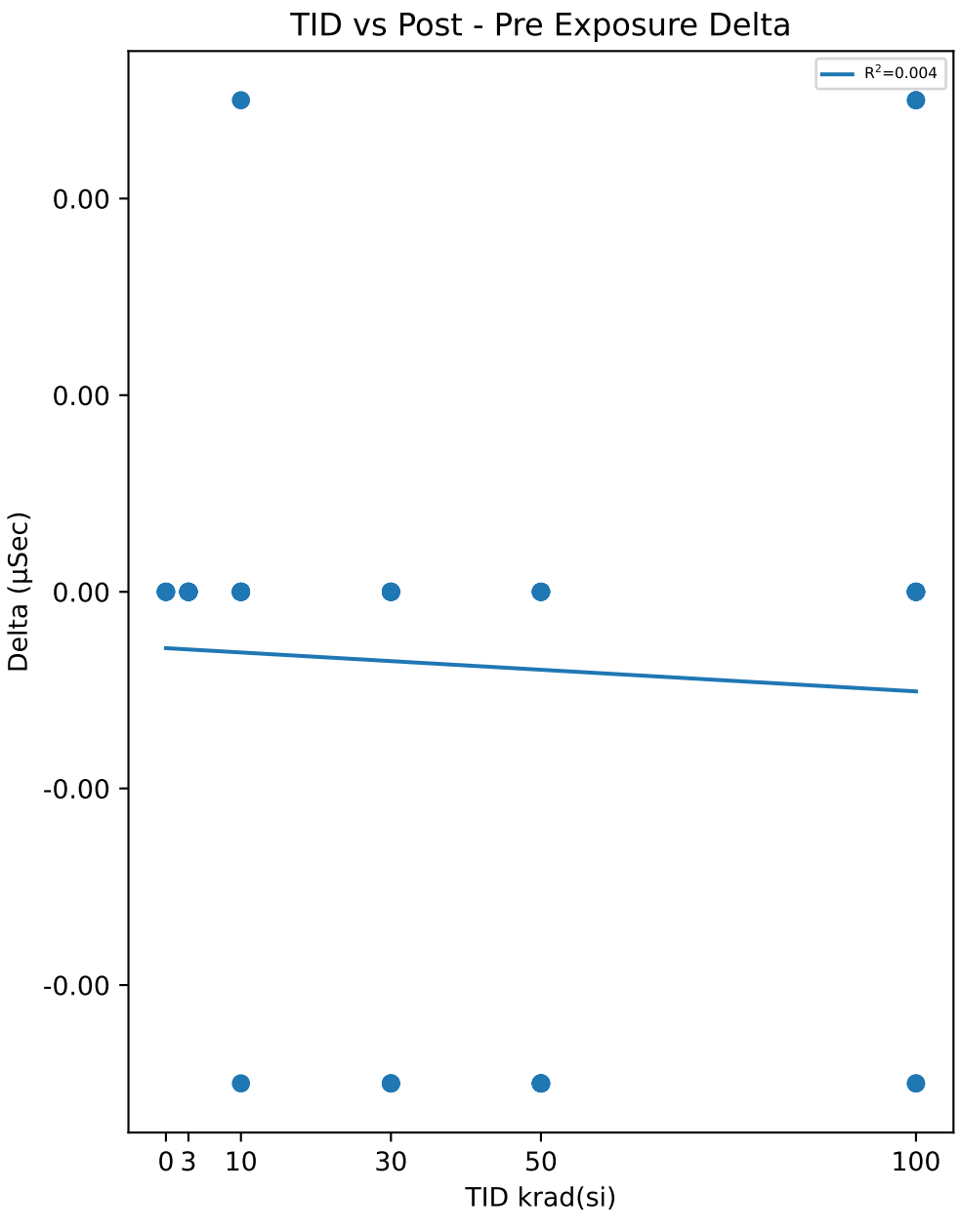
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.655	0.655	0
2	3	Biased	0.675	0.675	0
3	3	Biased	0.67	0.67	0
4	3	Biased	0.655	0.66	0.005
5	3	Biased	0.65	0.655	0.005
6	3	Unbiased	0.65	0.655	0.005
7	3	Unbiased	0.68	0.68	0
8	3	Unbiased	0.66	0.66	0
9	3	Unbiased	0.67	0.675	0.005
10	3	Unbiased	0.665	0.67	0.005
11	10	Biased	0.66	0.66	0
12	10	Biased	0.665	0.665	0
13	10	Biased	0.67	0.67	0
14	10	Biased	0.655	0.655	0
15	10	Biased	0.66	0.66	0
16	10	Unbiased	0.67	0.67	0
17	10	Unbiased	0.675	0.68	0.005
18	10	Unbiased	0.665	0.67	0.005
19	10	Unbiased	0.655	0.66	0.005
20	10	Unbiased	0.665	0.665	0
21	30	Biased	0.66	0.66	0
22	30	Biased	0.655	0.65	-0.005
23	30	Biased	0.675	0.675	0
24	30	Biased	0.66	0.66	0
25	30	Biased	0.655	0.65	-0.005
26	30	Unbiased	0.66	0.655	-0.005
27	30	Unbiased	0.655	0.655	0
28	30	Unbiased	0.655	0.655	0
29	30	Unbiased	0.66	0.66	0
30	30	Unbiased	0.655	0.655	0
31	50	Biased	0.67	0.665	-0.005
32	50	Biased	0.665	0.66	-0.005
33	50	Biased	0.655	0.655	0
34	50	Biased	0.675	0.675	0
35	50	Biased	0.66	0.655	-0.005
36	50	Unbiased	0.66	0.66	0
37	50	Unbiased	0.66	0.655	-0.005
38	50	Unbiased	0.655	0.65	-0.005
39	50	Unbiased	0.66	0.66	0
40	50	Unbiased	0.655	0.655	0
41	100	Biased	0.655	0.65	-0.005
42	100	Biased	0.65	0.65	0
43	100	Biased	0.665	0.655	-0.01
44	100	Biased	0.67	0.665	-0.005
45	100	Biased	0.65	0.645	-0.005
46	100	Unbiased	0.67	0.67	0
47	100	Unbiased	0.67	0.665	-0.005
48	100	Unbiased	0.675	0.675	0
49	100	Unbiased	0.655	0.65	-0.005
50	100	Unbiased	0.665	0.665	0
51	0	Correlation	0.655	0.66	0.005
52	0	Correlation	0.68	0.68	0
53	0	Correlation	0.655	0.655	0
54	0	Correlation	0.66	0.665	0.005
55	0	Correlation	0.655	0.655	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	0.655	0.661	0.68	0.01084	0.655	0.663	0.68	0.010368	0	0.002	0.005	0.0027386
3	0.65	0.663	0.68	0.010593	0.655	0.6655	0.68	0.0095598	0	0.0025	0.005	0.0026352
10	0.655	0.664	0.675	0.0065828	0.655	0.6655	0.68	0.0072457	0	0.0015	0.005	0.0024152
30	0.655	0.659	0.675	0.0061464	0.65	0.6575	0.675	0.0071686	-0.005	-0.0015	0	0.0024152
50	0.655	0.6615	0.675	0.0066875	0.65	0.659	0.675	0.0069921	-0.005	-0.0025	0	0.0026352
100	0.65	0.6625	0.675	0.0092045	0.645	0.659	0.675	0.01022	-0.01	-0.0035	0	0.0033747

Device Test: 25.3; SENSE_F_HT_PP





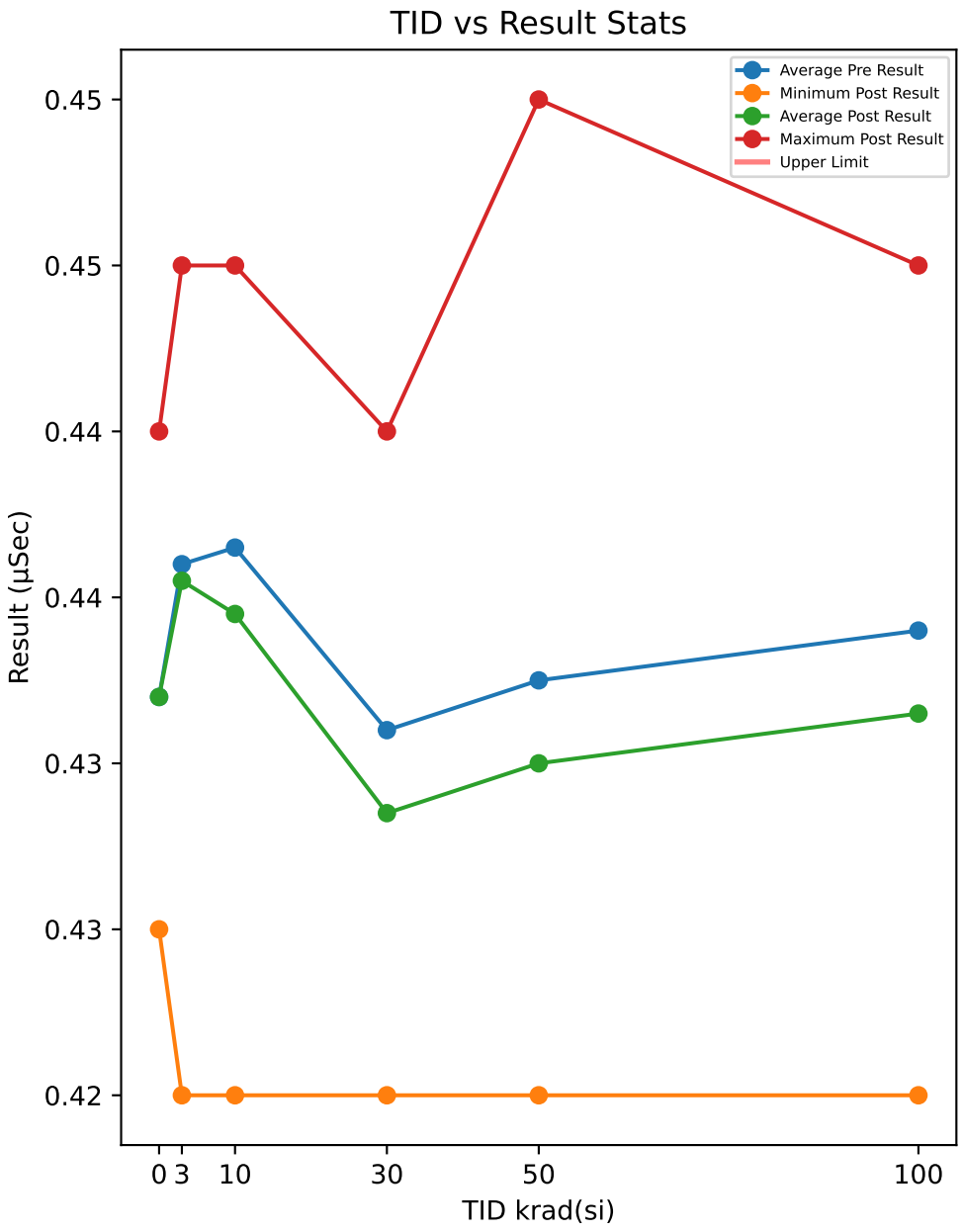
Test Results (No Limits Specified (µSec))

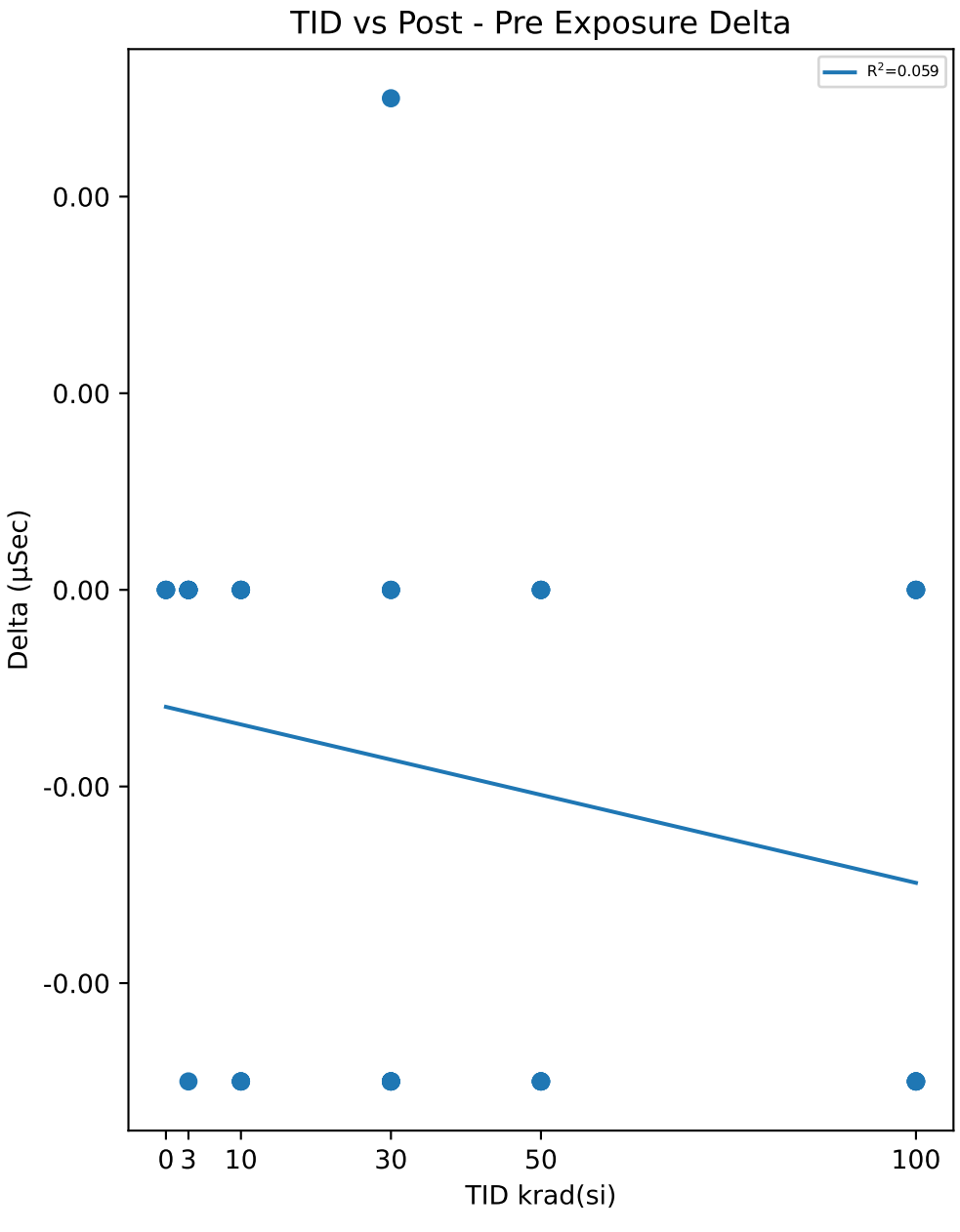
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.435	0.435	0
2	3	Biased	0.445	0.445	0
3	3	Biased	0.45	0.45	0
4	3	Biased	0.44	0.44	0
5	3	Biased	0.44	0.44	0
6	3	Unbiased	0.425	0.425	0
7	3	Unbiased	0.45	0.45	0
8	3	Unbiased	0.44	0.44	0
9	3	Unbiased	0.45	0.45	0
10	3	Unbiased	0.445	0.445	0
11	10	Biased	0.43	0.435	0.005
12	10	Biased	0.44	0.44	0
13	10	Biased	0.445	0.445	0
14	10	Biased	0.425	0.425	0
15	10	Biased	0.445	0.44	-0.005
16	10	Unbiased	0.45	0.45	0
17	10	Unbiased	0.45	0.45	0
18	10	Unbiased	0.45	0.45	0
19	10	Unbiased	0.445	0.445	0
20	10	Unbiased	0.44	0.44	0
21	30	Biased	0.44	0.435	-0.005
22	30	Biased	0.435	0.435	0
23	30	Biased	0.445	0.445	0
24	30	Biased	0.435	0.435	0
25	30	Biased	0.435	0.43	-0.005
26	30	Unbiased	0.44	0.44	0
27	30	Unbiased	0.43	0.425	-0.005
28	30	Unbiased	0.44	0.44	0
29	30	Unbiased	0.435	0.435	0
30	30	Unbiased	0.43	0.43	0
31	50	Biased	0.445	0.445	0
32	50	Biased	0.445	0.445	0
33	50	Biased	0.43	0.43	0
34	50	Biased	0.465	0.46	-0.005
35	50	Biased	0.45	0.445	-0.005
36	50	Unbiased	0.435	0.43	-0.005
37	50	Unbiased	0.43	0.43	0
38	50	Unbiased	0.43	0.43	0
39	50	Unbiased	0.43	0.425	-0.005
40	50	Unbiased	0.44	0.435	-0.005
41	100	Biased	0.43	0.425	-0.005
42	100	Biased	0.435	0.435	0
43	100	Biased	0.43	0.435	0.005
44	100	Biased	0.45	0.45	0
45	100	Biased	0.43	0.43	0
46	100	Unbiased	0.445	0.445	0
47	100	Unbiased	0.445	0.45	0.005
48	100	Unbiased	0.455	0.455	0
49	100	Unbiased	0.435	0.435	0
50	100	Unbiased	0.44	0.435	-0.005
51	0	Correlation	0.43	0.43	0
52	0	Correlation	0.45	0.45	0
53	0	Correlation	0.435	0.435	0
54	0	Correlation	0.44	0.44	0
55	0	Correlation	0.44	0.44	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	0.43	0.439	0.45	0.0074162	0.43	0.439	0.45	0.0074162	0	0	0	0
3	0.425	0.442	0.45	0.0078881	0.425	0.442	0.45	0.0078881	0	0	0	0
10	0.425	0.442	0.45	0.0085635	0.425	0.442	0.45	0.0078881	-0.005	0	0.005	0.002357
30	0.43	0.4365	0.445	0.0047434	0.425	0.435	0.445	0.0057735	-0.005	-0.0015	0	0.0024152
50	0.43	0.44	0.465	0.011547	0.425	0.4375	0.46	0.010865	-0.005	-0.0025	0	0.0026352
100	0.43	0.4395	0.455	0.0089598	0.425	0.4395	0.455	0.009846	-0.005	0	0.005	0.0033333

Device Test: 25.4; SENSE_F_HT_PP





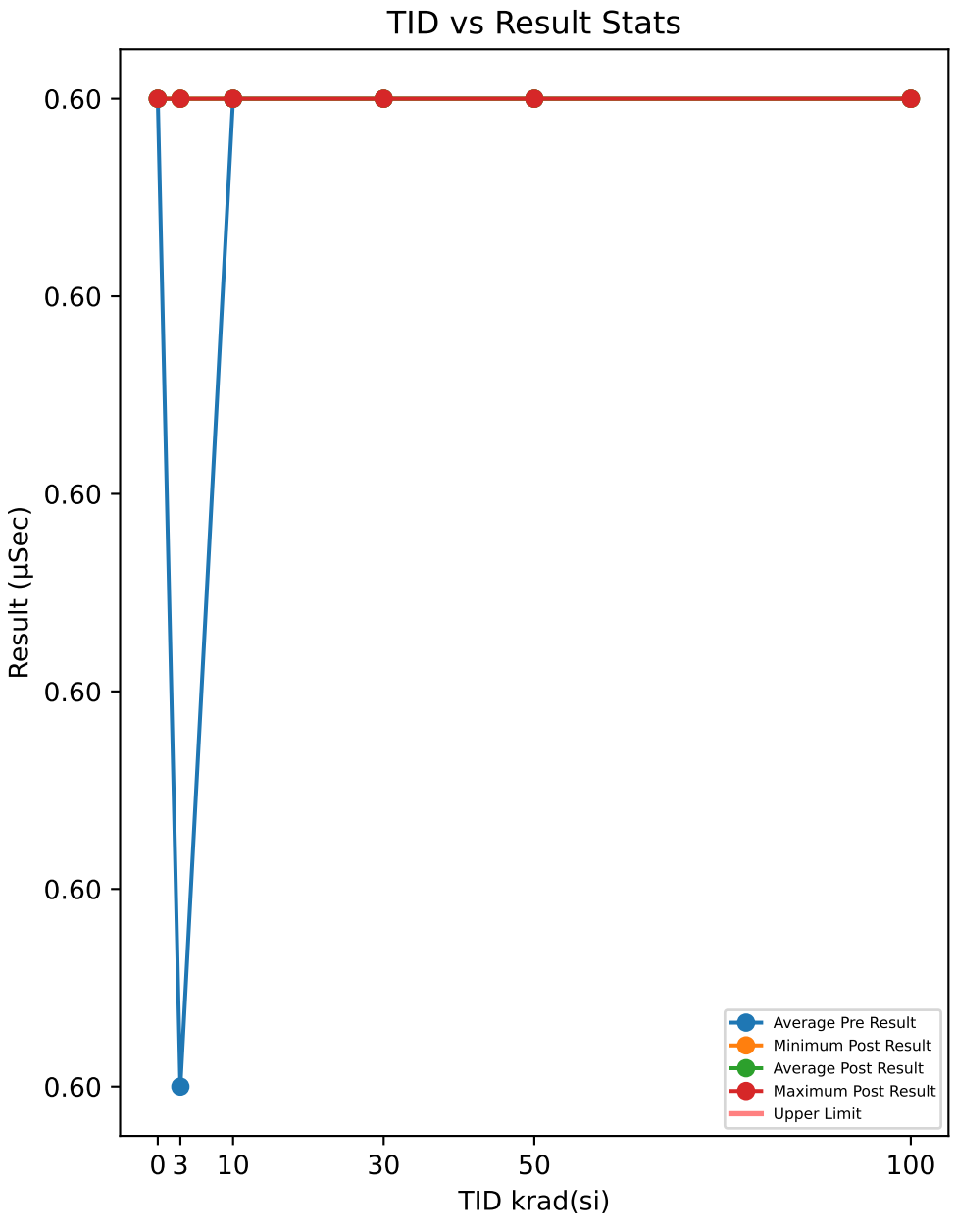
Test Results (No Limits Specified (µSec))

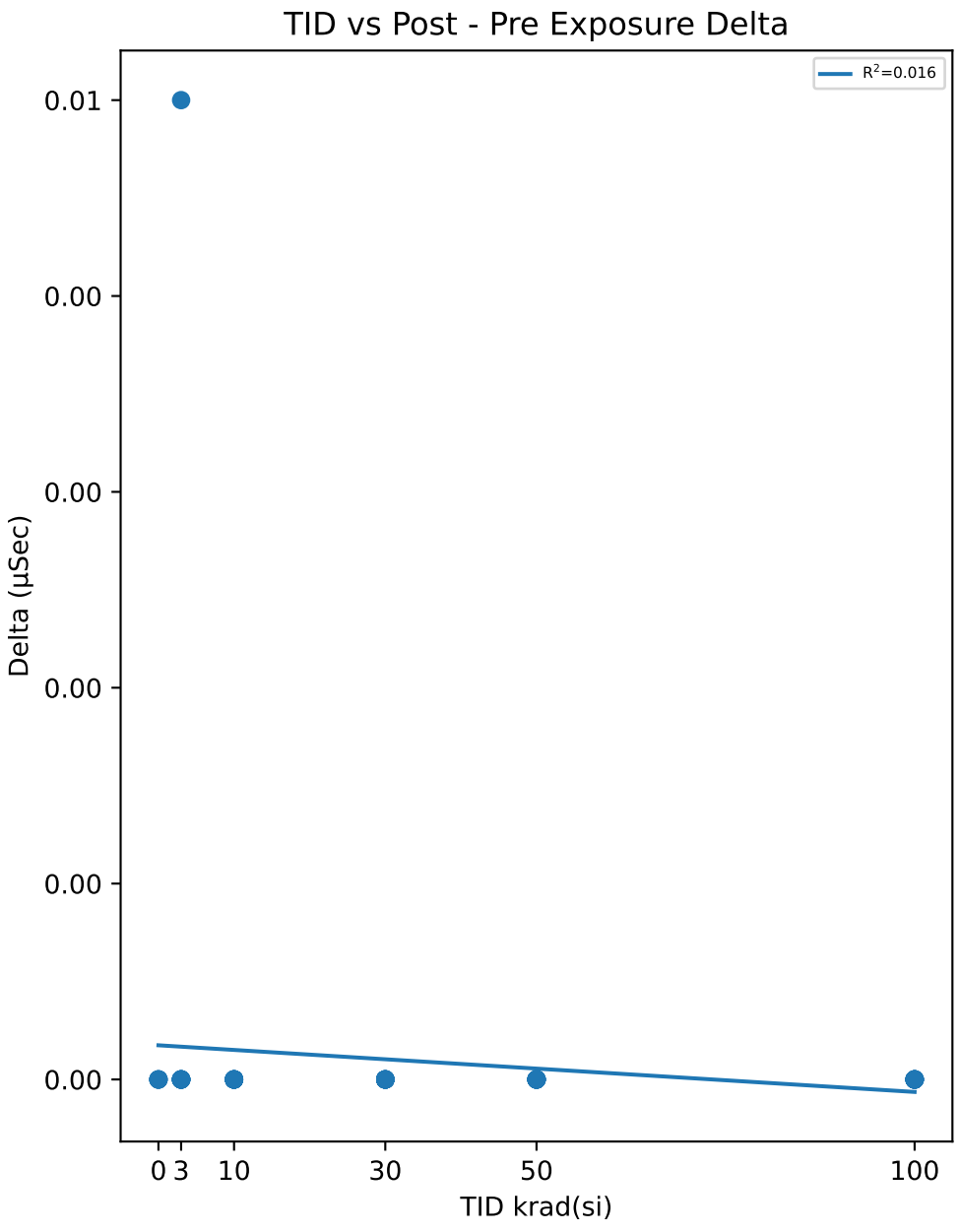
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.425	0.425	0
2	3	Biased	0.44	0.44	0
3	3	Biased	0.445	0.445	0
4	3	Biased	0.435	0.435	0
5	3	Biased	0.43	0.43	0
6	3	Unbiased	0.42	0.42	0
7	3	Unbiased	0.445	0.445	0
8	3	Unbiased	0.435	0.43	-0.005
9	3	Unbiased	0.445	0.445	0
10	3	Unbiased	0.44	0.44	0
11	10	Biased	0.425	0.425	0
12	10	Biased	0.435	0.435	0
13	10	Biased	0.44	0.435	-0.005
14	10	Biased	0.42	0.42	0
15	10	Biased	0.44	0.435	-0.005
16	10	Unbiased	0.445	0.44	-0.005
17	10	Unbiased	0.445	0.445	0
18	10	Unbiased	0.44	0.44	0
19	10	Unbiased	0.44	0.435	-0.005
20	10	Unbiased	0.435	0.435	0
21	30	Biased	0.435	0.43	-0.005
22	30	Biased	0.43	0.425	-0.005
23	30	Biased	0.44	0.44	0
24	30	Biased	0.43	0.43	0
25	30	Biased	0.43	0.425	-0.005
26	30	Unbiased	0.435	0.435	0
27	30	Unbiased	0.425	0.42	-0.005
28	30	Unbiased	0.435	0.43	-0.005
29	30	Unbiased	0.425	0.43	0.005
30	30	Unbiased	0.425	0.42	-0.005
31	50	Biased	0.44	0.44	0
32	50	Biased	0.435	0.435	0
33	50	Biased	0.425	0.425	0
34	50	Biased	0.455	0.45	-0.005
35	50	Biased	0.44	0.435	-0.005
36	50	Unbiased	0.43	0.425	-0.005
37	50	Unbiased	0.425	0.425	0
38	50	Unbiased	0.425	0.42	-0.005
39	50	Unbiased	0.42	0.42	0
40	50	Unbiased	0.43	0.425	-0.005
41	100	Biased	0.425	0.42	-0.005
42	100	Biased	0.425	0.425	0
43	100	Biased	0.425	0.425	0
44	100	Biased	0.445	0.44	-0.005
45	100	Biased	0.425	0.425	0
46	100	Unbiased	0.44	0.44	0
47	100	Unbiased	0.44	0.44	0
48	100	Unbiased	0.45	0.445	-0.005
49	100	Unbiased	0.43	0.425	-0.005
50	100	Unbiased	0.435	0.43	-0.005
51	0	Correlation	0.425	0.425	0
52	0	Correlation	0.44	0.44	0
53	0	Correlation	0.43	0.43	0
54	0	Correlation	0.435	0.435	0
55	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	0.425	0.432	0.44	0.0057009	0.425	0.432	0.44	0.0057009	0	0	0	0
3	0.42	0.436	0.445	0.008756	0.42	0.4355	0.445	0.0089598	-0.005	-0.0005	0	0.0015811
10	0.42	0.4365	0.445	0.008182	0.42	0.4345	0.445	0.0072457	-0.005	-0.002	0	0.002582
30	0.425	0.431	0.44	0.005164	0.42	0.4285	0.44	0.0062583	-0.005	-0.0025	0.005	0.0035355
50	0.42	0.4325	0.455	0.010341	0.42	0.43	0.45	0.0097183	-0.005	-0.0025	0	0.0026352
100	0.425	0.434	0.45	0.009369	0.42	0.4315	0.445	0.0088349	-0.005	-0.0025	0	0.0026352

Device Test: 25.5; SENSE_F_HT_PP





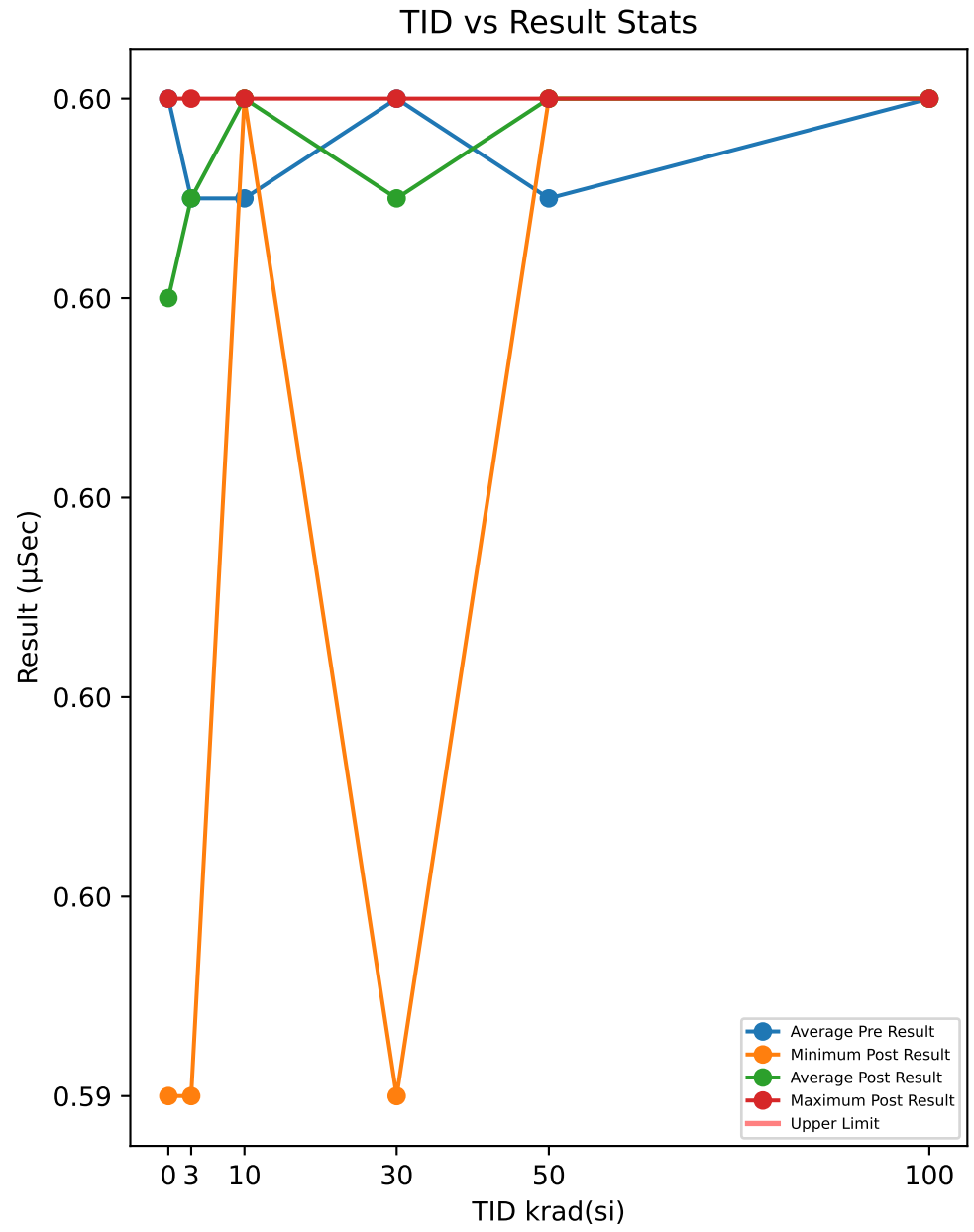
Test Results (No Limits Specified (µSec))

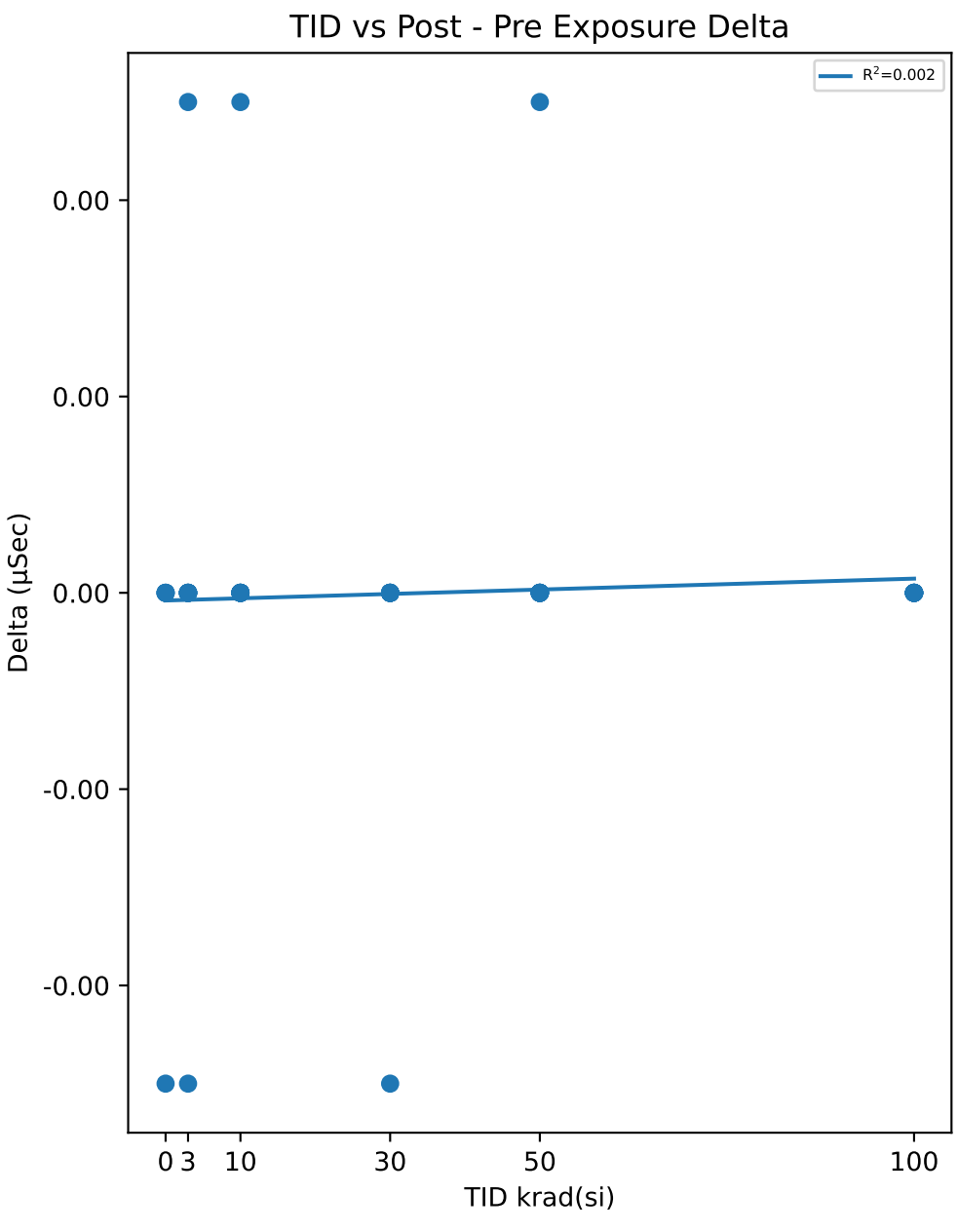
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.6	0.6	0
2	3	Biased	0.595	0.6	0.005
3	3	Biased	0.6	0.6	0
4	3	Biased	0.6	0.6	0
5	3	Biased	0.6	0.6	0
6	3	Unbiased	0.6	0.6	0
7	3	Unbiased	0.6	0.6	0
8	3	Unbiased	0.6	0.6	0
9	3	Unbiased	0.6	0.6	0
10	3	Unbiased	0.6	0.6	0
11	10	Biased	0.6	0.6	0
12	10	Biased	0.6	0.6	0
13	10	Biased	0.6	0.6	0
14	10	Biased	0.6	0.6	0
15	10	Biased	0.6	0.6	0
16	10	Unbiased	0.6	0.6	0
17	10	Unbiased	0.6	0.6	0
18	10	Unbiased	0.6	0.6	0
19	10	Unbiased	0.6	0.6	0
20	10	Unbiased	0.6	0.6	0
21	30	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	Unbiased	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	50	Biased	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	Unbiased	0.6	0.6	0
37	50	Unbiased	0.6	0.6	0
38	50	Unbiased	0.6	0.6	0
39	50	Unbiased	0.6	0.6	0
40	50	Unbiased	0.6	0.6	0
41	100	Biased	0.6	0.6	0
42	100	Biased	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	Unbiased	0.6	0.6	0
47	100	Unbiased	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	0	Correlation	0.6	0.6	0
52	0	Correlation	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

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	0.595	0.5995	0.6	0.0015811	0.6	0.6	0.6	0	0	0.0005	0.005	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	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0

Device Test: 25.6; SENSE_F_HT_PP





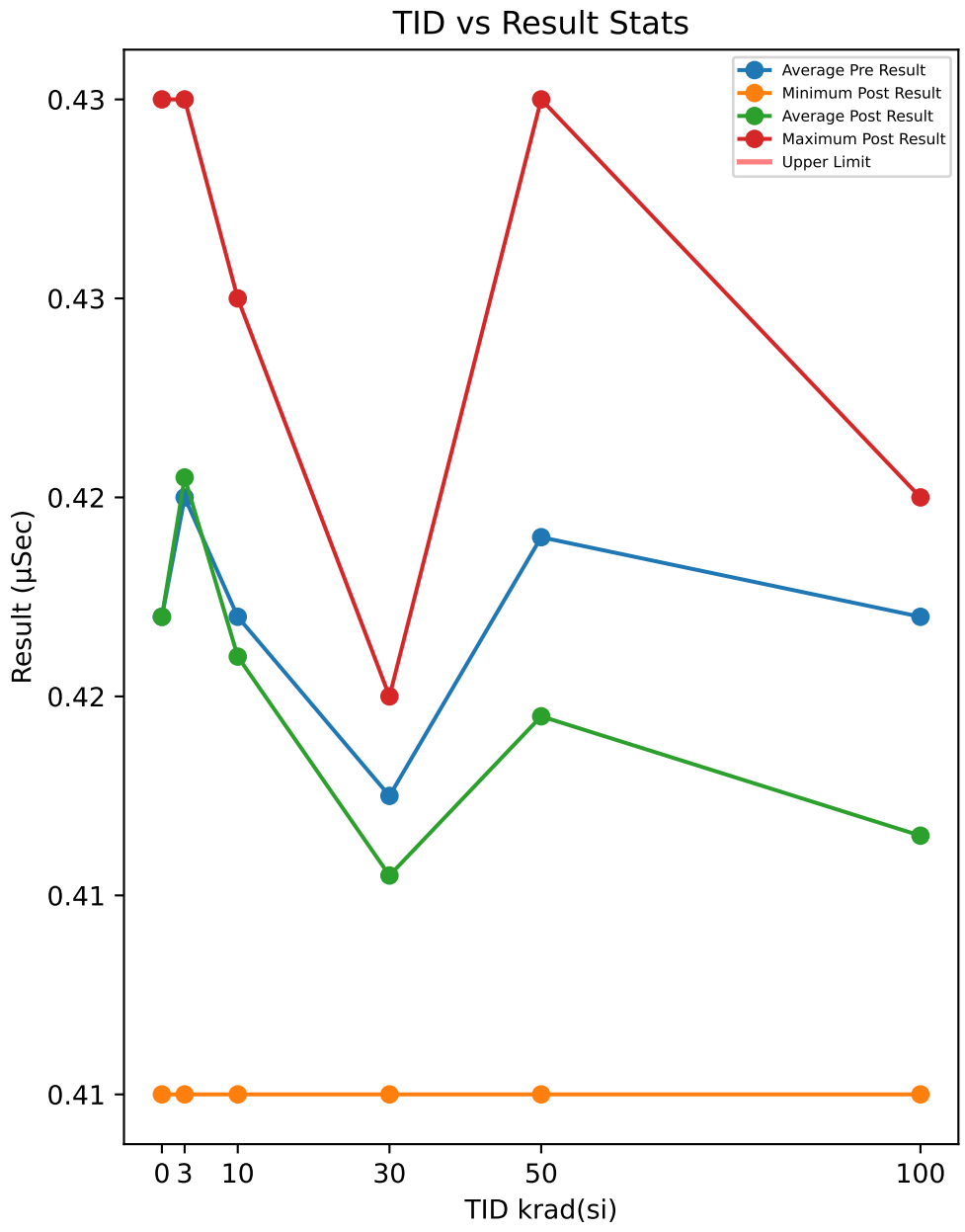
Test Results (No Limits Specified (µSec))

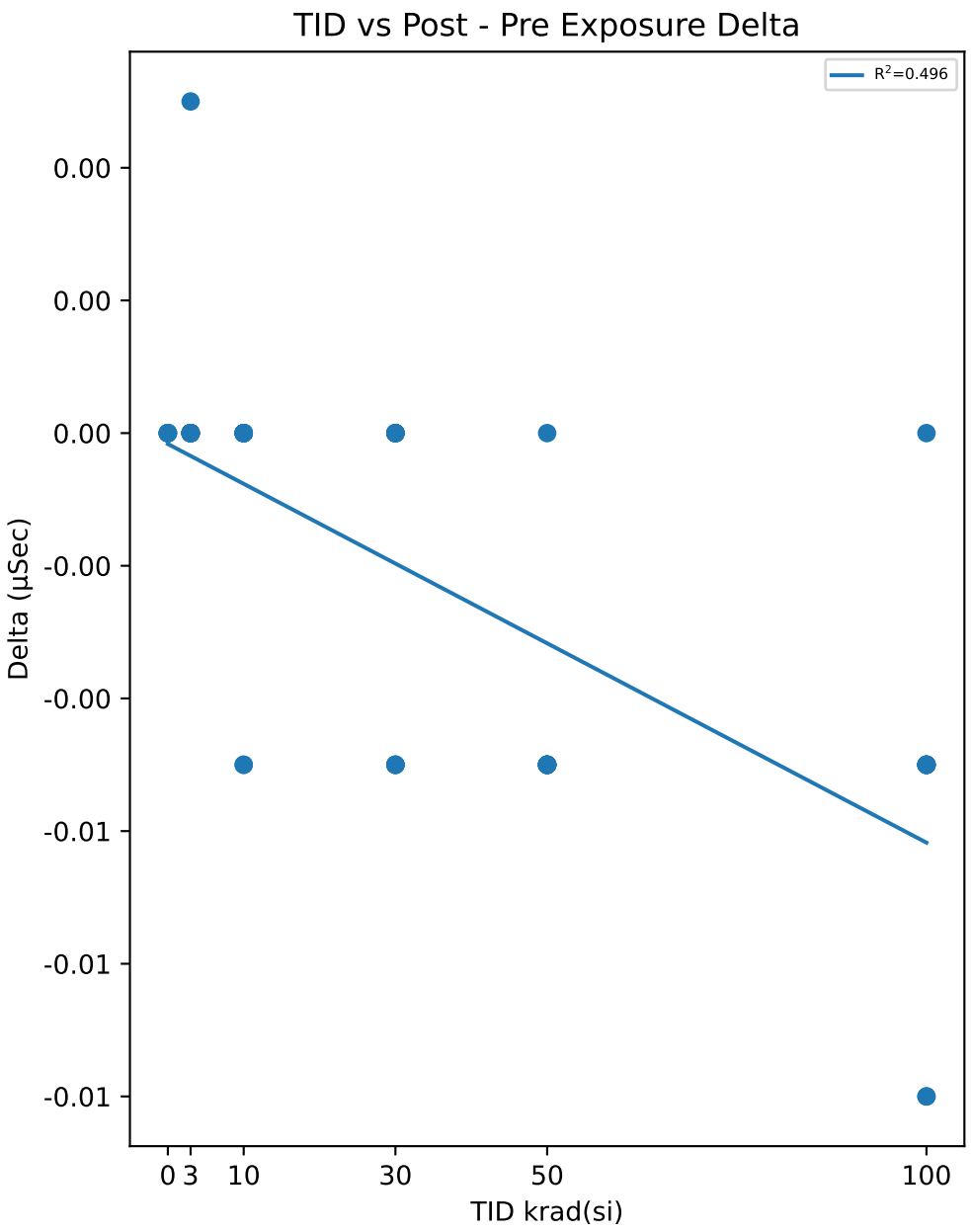
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.6	0.6	0
2	3	Biased	0.595	0.6	0.005
3	3	Biased	0.6	0.6	0
4	3	Biased	0.6	0.6	0
5	3	Biased	0.6	0.6	0
6	3	Unbiased	0.6	0.595	-0.005
7	3	Unbiased	0.6	0.6	0
8	3	Unbiased	0.6	0.6	0
9	3	Unbiased	0.6	0.6	0
10	3	Unbiased	0.6	0.6	0
11	10	Biased	0.6	0.6	0
12	10	Biased	0.6	0.6	0
13	10	Biased	0.6	0.6	0
14	10	Biased	0.6	0.6	0
15	10	Biased	0.6	0.6	0
16	10	Unbiased	0.595	0.6	0.005
17	10	Unbiased	0.6	0.6	0
18	10	Unbiased	0.6	0.6	0
19	10	Unbiased	0.6	0.6	0
20	10	Unbiased	0.6	0.6	0
21	30	Biased	0.6	0.6	0
22	30	Biased	0.6	0.595	-0.005
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	Unbiased	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	50	Biased	0.6	0.6	0
32	50	Biased	0.6	0.6	0
33	50	Biased	0.6	0.6	0
34	50	Biased	0.595	0.6	0.005
35	50	Biased	0.6	0.6	0
36	50	Unbiased	0.6	0.6	0
37	50	Unbiased	0.6	0.6	0
38	50	Unbiased	0.6	0.6	0
39	50	Unbiased	0.6	0.6	0
40	50	Unbiased	0.6	0.6	0
41	100	Biased	0.6	0.6	0
42	100	Biased	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	Unbiased	0.6	0.6	0
47	100	Unbiased	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	0	Correlation	0.6	0.6	0
52	0	Correlation	0.6	0.6	0
53	0	Correlation	0.6	0.6	0
54	0	Correlation	0.6	0.595	-0.005
55	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	0.595	0.599	0.6	0.0022361	-0.005	-0.001	0	0.0022361
3	0.595	0.5995	0.6	0.0015811	0.595	0.5995	0.6	0.0015811	-0.005	0	0.005	0.002357
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	0.595	0.5995	0.6	0.0015811	-0.005	-0.0005	0	0.0015811
50	0.595	0.5995	0.6	0.0015811	0.6	0.6	0.6	0	0	0.0005	0.005	0.0015811
100	0.6	0.6	0.6	0	0.6	0.6	0.6	0	0	0	0	0

Device Test: 25.7; SENSE_F_HT_PP





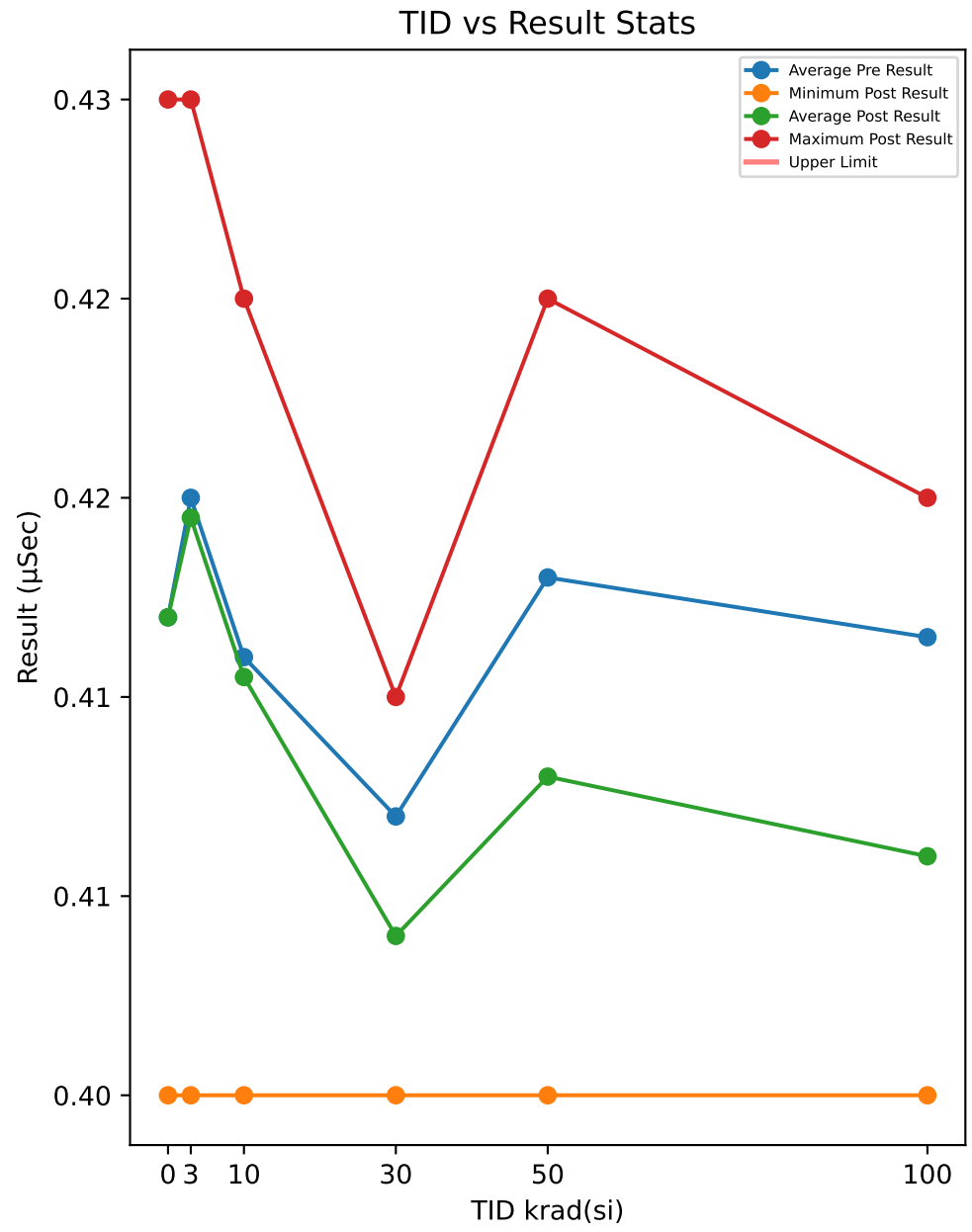
Test Results (No Limits Specified (µSec))

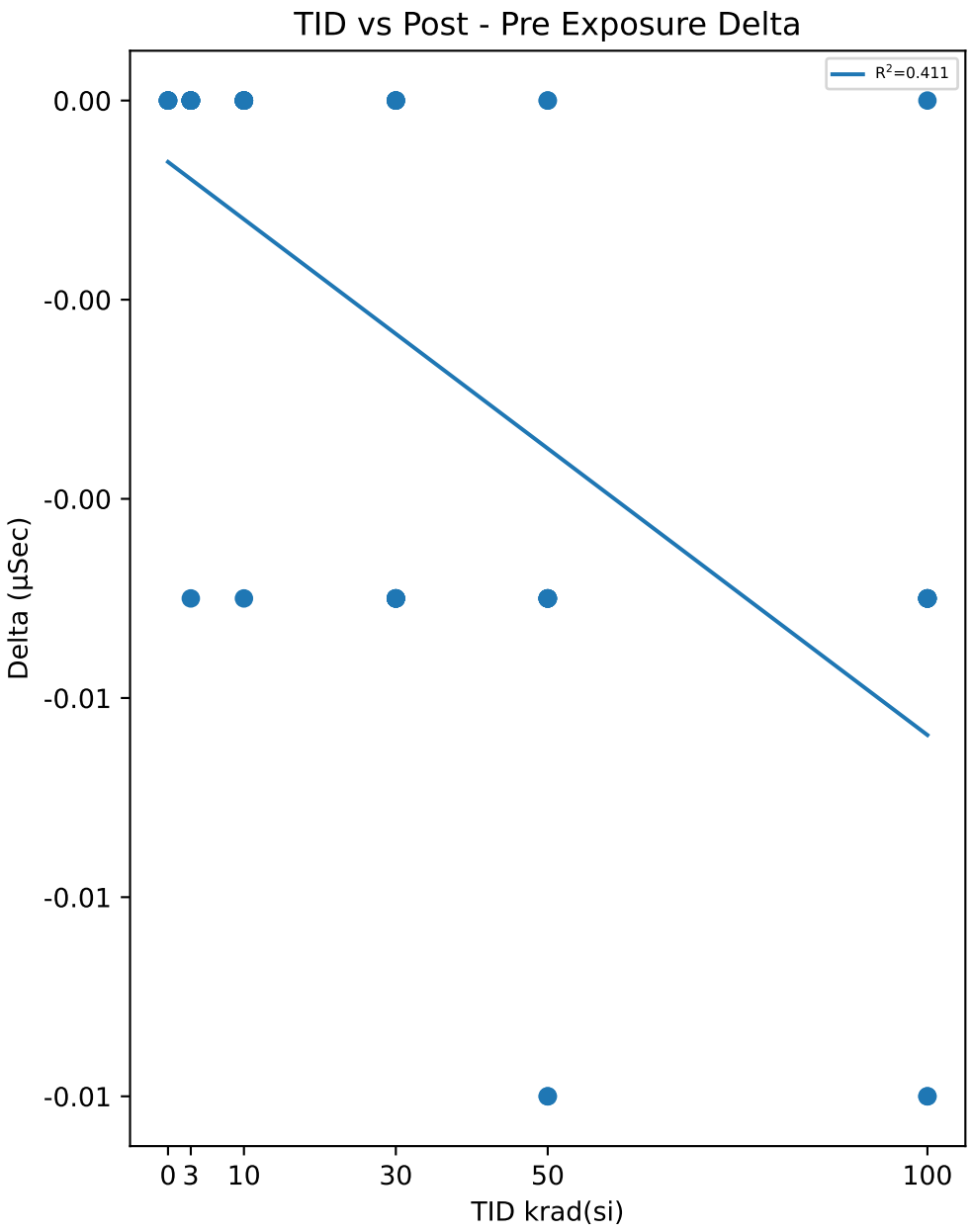
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.405	0.405	0
2	3	Biased	0.425	0.43	0.005
3	3	Biased	0.43	0.43	0
4	3	Biased	0.415	0.415	0
5	3	Biased	0.42	0.42	0
6	3	Unbiased	0.41	0.41	0
7	3	Unbiased	0.43	0.43	0
8	3	Unbiased	0.415	0.415	0
9	3	Unbiased	0.425	0.425	0
10	3	Unbiased	0.425	0.425	0
11	10	Biased	0.41	0.41	0
12	10	Biased	0.415	0.415	0
13	10	Biased	0.425	0.42	-0.005
14	10	Biased	0.41	0.405	-0.005
15	10	Biased	0.415	0.415	0
16	10	Unbiased	0.42	0.42	0
17	10	Unbiased	0.42	0.42	0
18	10	Unbiased	0.425	0.425	0
19	10	Unbiased	0.415	0.415	0
20	10	Unbiased	0.415	0.415	0
21	30	Biased	0.41	0.405	-0.005
22	30	Biased	0.405	0.405	0
23	30	Biased	0.42	0.415	-0.005
24	30	Biased	0.415	0.415	0
25	30	Biased	0.41	0.41	0
26	30	Unbiased	0.41	0.41	0
27	30	Unbiased	0.41	0.41	0
28	30	Unbiased	0.42	0.415	-0.005
29	30	Unbiased	0.415	0.41	-0.005
30	30	Unbiased	0.41	0.41	0
31	50	Biased	0.425	0.425	0
32	50	Biased	0.42	0.415	-0.005
33	50	Biased	0.42	0.415	-0.005
34	50	Biased	0.435	0.43	-0.005
35	50	Biased	0.42	0.415	-0.005
36	50	Unbiased	0.42	0.415	-0.005
37	50	Unbiased	0.415	0.41	-0.005
38	50	Unbiased	0.41	0.405	-0.005
39	50	Unbiased	0.41	0.405	-0.005
40	50	Unbiased	0.415	0.41	-0.005
41	100	Biased	0.41	0.41	0
42	100	Biased	0.41	0.405	-0.005
43	100	Biased	0.41	0.405	-0.005
44	100	Biased	0.42	0.415	-0.005
45	100	Biased	0.41	0.405	-0.005
46	100	Unbiased	0.42	0.415	-0.005
47	100	Unbiased	0.425	0.42	-0.005
48	100	Unbiased	0.43	0.42	-0.01
49	100	Unbiased	0.42	0.41	-0.01
50	100	Unbiased	0.415	0.41	-0.005
51	0	Correlation	0.415	0.415	0
52	0	Correlation	0.43	0.43	0
53	0	Correlation	0.415	0.415	0
54	0	Correlation	0.42	0.42	0
55	0	Correlation	0.405	0.405	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	0.417	0.43	0.009083	0.405	0.417	0.43	0.009083	0	0	0	0
3	0.405	0.42	0.43	0.0084984	0.405	0.4205	0.43	0.0089598	0	0.0005	0.005	0.0015811
10	0.41	0.417	0.425	0.0053748	0.405	0.416	0.425	0.0056765	-0.005	-0.001	0	0.0021082
30	0.405	0.4125	0.42	0.0048591	0.405	0.4105	0.415	0.0036893	-0.005	-0.002	0	0.002582
50	0.41	0.419	0.435	0.0073786	0.405	0.4145	0.43	0.0079757	-0.005	-0.0045	0	0.0015811
100	0.41	0.417	0.43	0.0071492	0.405	0.4115	0.42	0.0057975	-0.01	-0.0055	0	0.0028382

Device Test: 25.8; SENSE_F_HT_PP





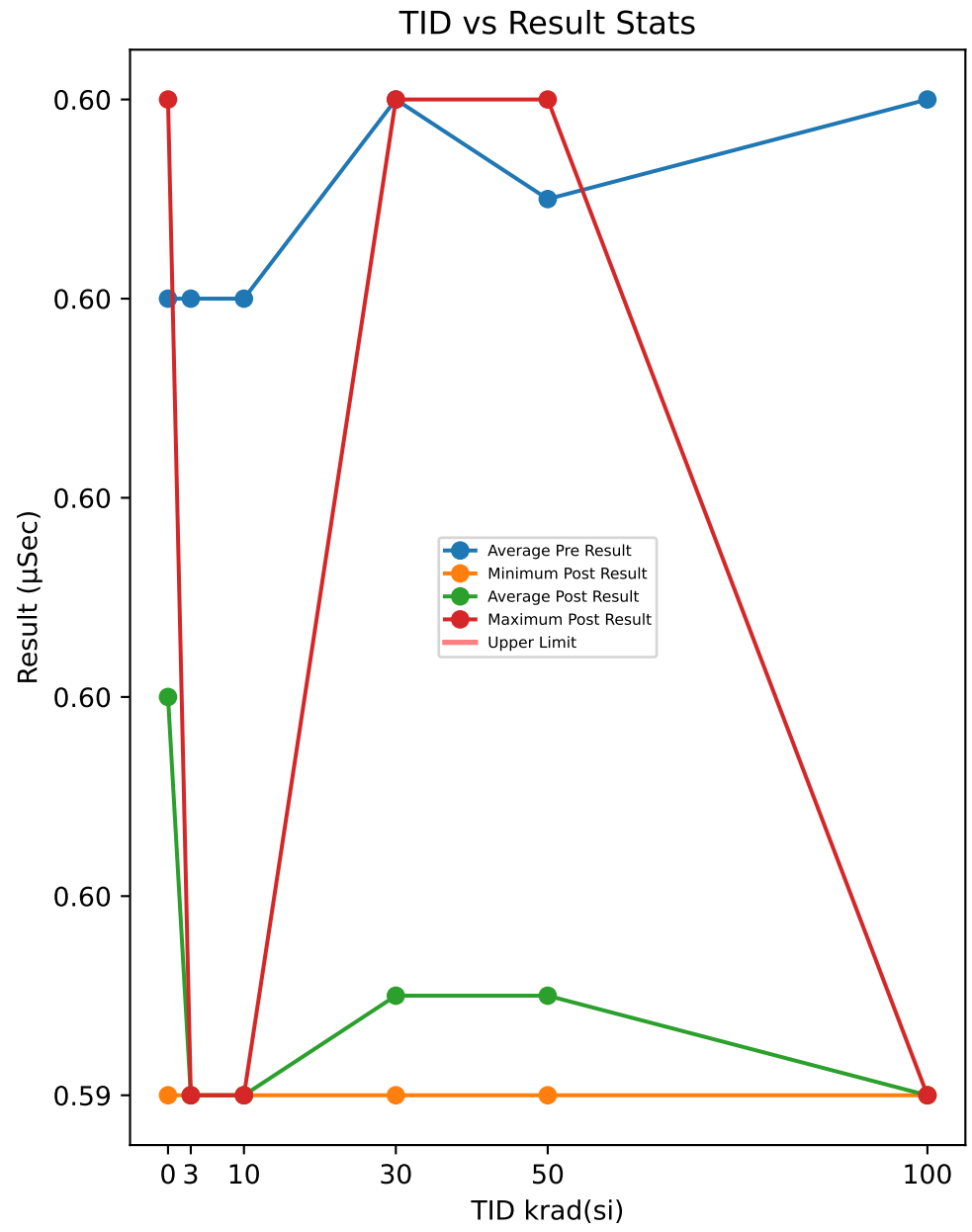
Test Results (No Limits Specified (µSec))

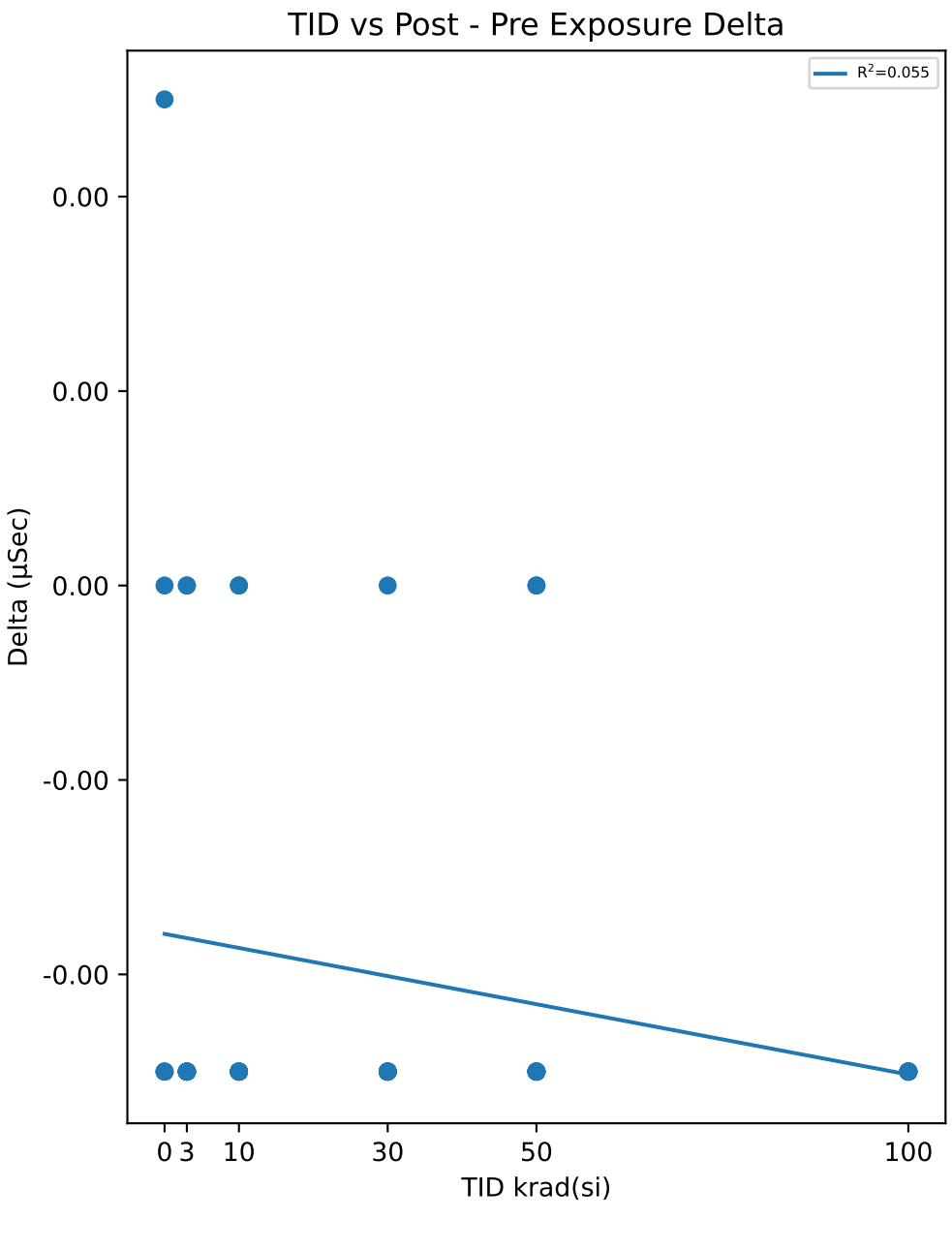
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.4	0.4	0
2	3	Biased	0.42	0.42	0
3	3	Biased	0.425	0.425	0
4	3	Biased	0.41	0.41	0
5	3	Biased	0.415	0.415	0
6	3	Unbiased	0.405	0.405	0
7	3	Unbiased	0.425	0.42	-0.005
8	3	Unbiased	0.41	0.41	0
9	3	Unbiased	0.42	0.42	0
10	3	Unbiased	0.42	0.42	0
11	10	Biased	0.405	0.405	0
12	10	Biased	0.41	0.41	0
13	10	Biased	0.415	0.415	0
14	10	Biased	0.4	0.4	0
15	10	Biased	0.41	0.41	0
16	10	Unbiased	0.415	0.41	-0.005
17	10	Unbiased	0.415	0.415	0
18	10	Unbiased	0.42	0.42	0
19	10	Unbiased	0.41	0.41	0
20	10	Unbiased	0.41	0.41	0
21	30	Biased	0.405	0.4	-0.005
22	30	Biased	0.4	0.4	0
23	30	Biased	0.41	0.41	0
24	30	Biased	0.41	0.405	-0.005
25	30	Biased	0.405	0.405	0
26	30	Unbiased	0.405	0.4	-0.005
27	30	Unbiased	0.405	0.4	-0.005
28	30	Unbiased	0.415	0.41	-0.005
29	30	Unbiased	0.41	0.405	-0.005
30	30	Unbiased	0.405	0.405	0
31	50	Biased	0.42	0.415	-0.005
32	50	Biased	0.41	0.41	0
33	50	Biased	0.415	0.41	-0.005
34	50	Biased	0.43	0.42	-0.01
35	50	Biased	0.415	0.405	-0.01
36	50	Unbiased	0.41	0.41	0
37	50	Unbiased	0.41	0.405	-0.005
38	50	Unbiased	0.405	0.4	-0.005
39	50	Unbiased	0.405	0.4	-0.005
40	50	Unbiased	0.41	0.405	-0.005
41	100	Biased	0.405	0.4	-0.005
42	100	Biased	0.405	0.4	-0.005
43	100	Biased	0.405	0.4	-0.005
44	100	Biased	0.415	0.41	-0.005
45	100	Biased	0.405	0.4	-0.005
46	100	Unbiased	0.41	0.41	0
47	100	Unbiased	0.42	0.415	-0.005
48	100	Unbiased	0.425	0.415	-0.01
49	100	Unbiased	0.415	0.405	-0.01
50	100	Unbiased	0.41	0.405	-0.005
51	0	Correlation	0.41	0.41	0
52	0	Correlation	0.425	0.425	0
53	0	Correlation	0.41	0.41	0
54	0	Correlation	0.415	0.415	0
55	0	Correlation	0.4	0.4	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	0.4	0.412	0.425	0.009083	0.4	0.412	0.425	0.009083	0	0	0	0
3	0.4	0.415	0.425	0.0084984	0.4	0.4145	0.425	0.0079757	-0.005	-0.0005	0	0.0015811
10	0.4	0.411	0.42	0.0056765	0.4	0.4105	0.42	0.0055025	-0.005	-0.0005	0	0.0015811
30	0.4	0.407	0.415	0.0042164	0.4	0.404	0.41	0.0039441	-0.005	-0.003	0	0.002582
50	0.405	0.413	0.43	0.0075277	0.4	0.408	0.42	0.0063246	-0.01	-0.005	0	0.0033333
100	0.405	0.4115	0.425	0.0070907	0.4	0.406	0.415	0.0061464	-0.01	-0.0055	0	0.0028382

Device Test: 25.9; SENSE_F_HT_PP





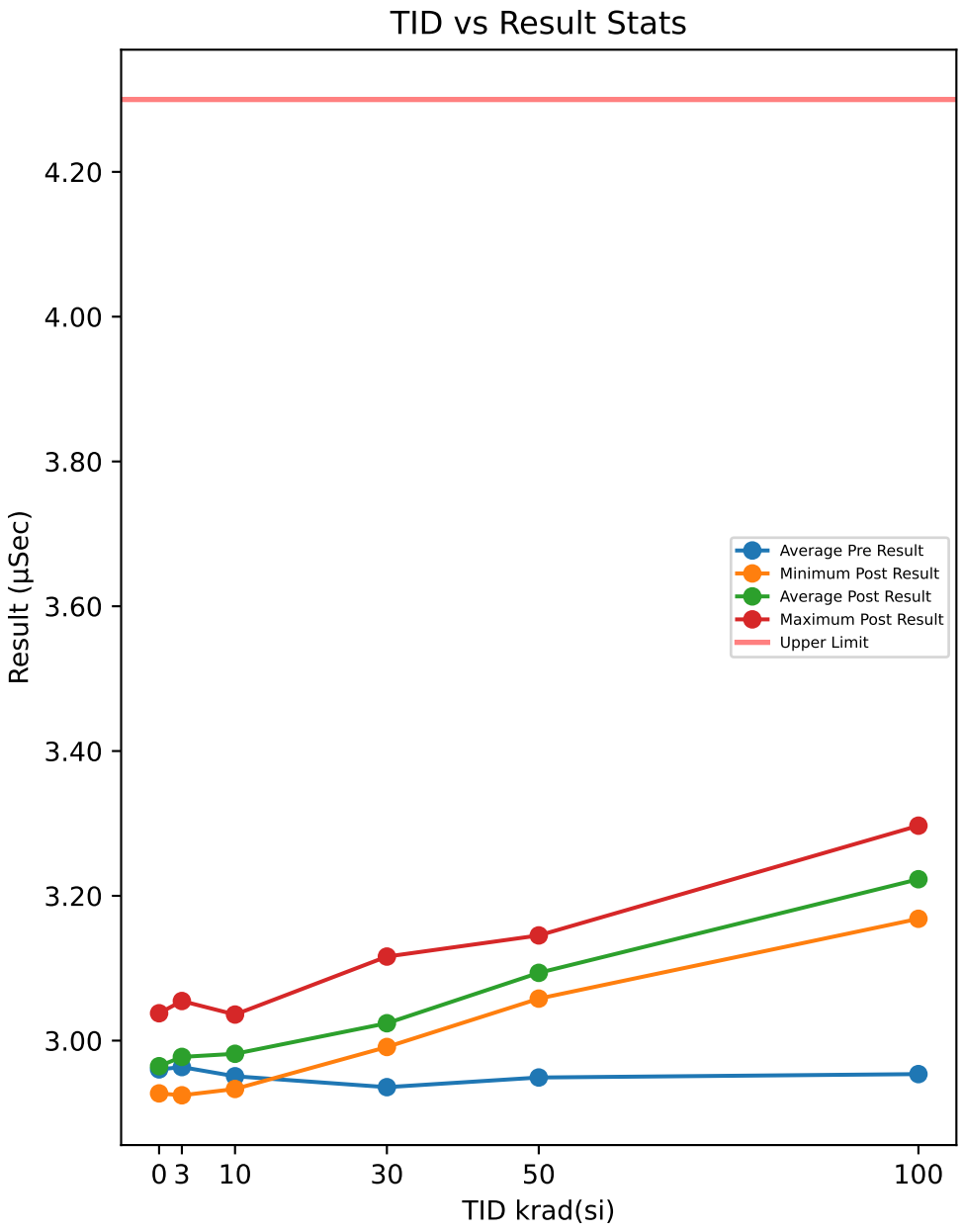
Test Results (No Limits Specified (µSec))

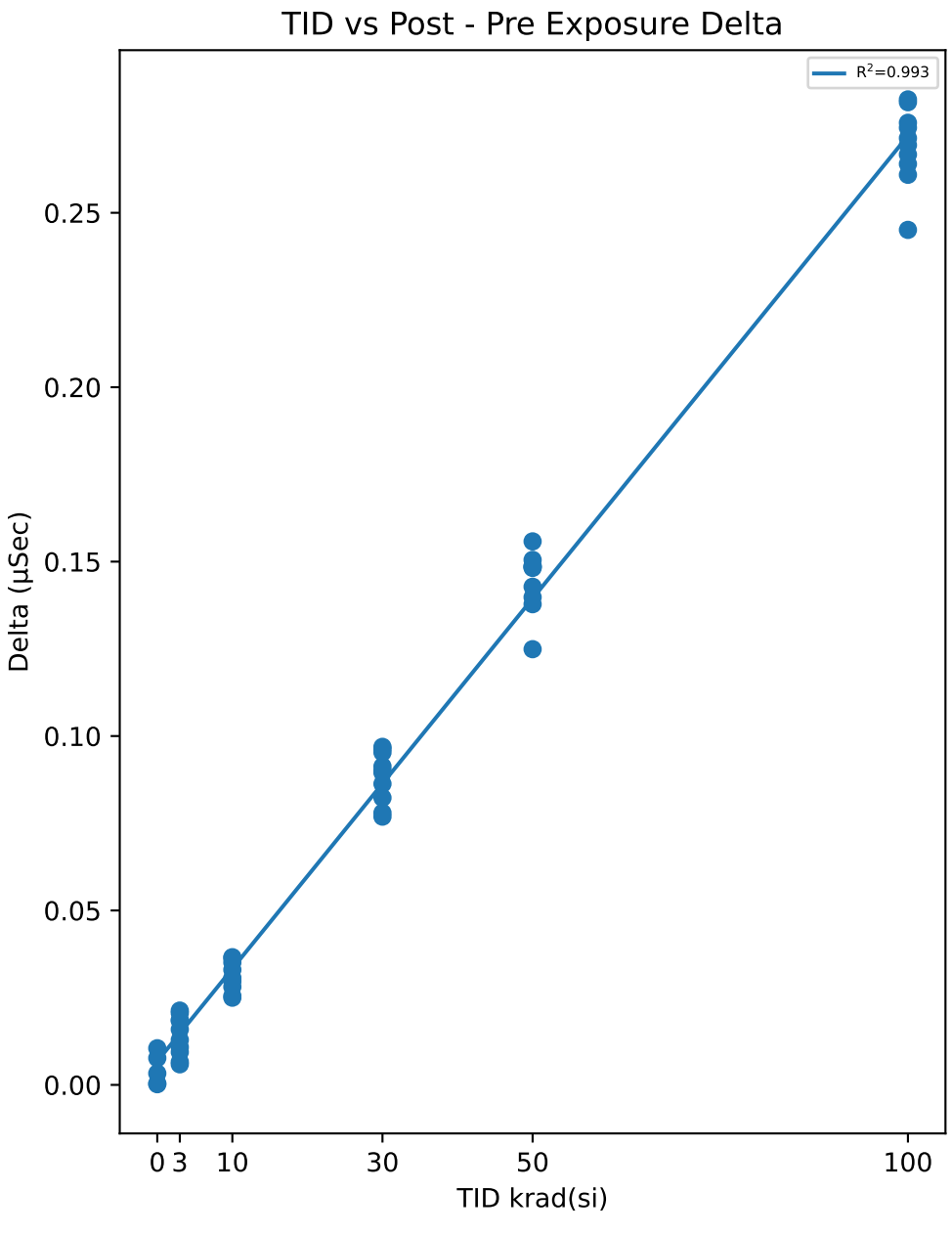
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.6	0.595	-0.005
2	3	Biased	0.6	0.595	-0.005
3	3	Biased	0.6	0.595	-0.005
4	3	Biased	0.6	0.595	-0.005
5	3	Biased	0.6	0.595	-0.005
6	3	Unbiased	0.595	0.595	0
7	3	Unbiased	0.6	0.595	-0.005
8	3	Unbiased	0.6	0.595	-0.005
9	3	Unbiased	0.595	0.595	0
10	3	Unbiased	0.6	0.595	-0.005
11	10	Biased	0.6	0.595	-0.005
12	10	Biased	0.6	0.595	-0.005
13	10	Biased	0.6	0.595	-0.005
14	10	Biased	0.6	0.595	-0.005
15	10	Biased	0.6	0.595	-0.005
16	10	Unbiased	0.6	0.595	-0.005
17	10	Unbiased	0.595	0.595	0
18	10	Unbiased	0.595	0.595	0
19	10	Unbiased	0.6	0.595	-0.005
20	10	Unbiased	0.6	0.595	-0.005
21	30	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	Unbiased	0.6	0.595	-0.005
27	30	Unbiased	0.6	0.595	-0.005
28	30	Unbiased	0.6	0.595	-0.005
29	30	Unbiased	0.6	0.6	0
30	30	Unbiased	0.6	0.595	-0.005
31	50	Biased	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	0.595	0.595	0
36	50	Unbiased	0.6	0.595	-0.005
37	50	Unbiased	0.6	0.6	0
38	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	100	Biased	0.6	0.595	-0.005
42	100	Biased	0.6	0.595	-0.005
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	Unbiased	0.6	0.595	-0.005
47	100	Unbiased	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	0	Correlation	0.595	0.6	0.005
52	0	Correlation	0.6	0.595	-0.005
53	0	Correlation	0.6	0.6	0
54	0	Correlation	0.6	0.595	-0.005
55	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	0.595	0.599	0.6	0.0022361	0.595	0.597	0.6	0.0027386	-0.005	-0.002	0.005	0.0044721
3	0.595	0.599	0.6	0.0021082	0.595	0.595	0.595	0	-0.005	-0.004	0	0.0021082
10	0.595	0.599	0.6	0.0021082	0.595	0.595	0.595	0	-0.005	-0.004	0	0.0021082
30	0.6	0.6	0.6	0	0.595	0.5955	0.6	0.0015811	-0.005	-0.0045	0	0.0015811
50	0.595	0.5995	0.6	0.0015811	0.595	0.5955	0.6	0.0015811	-0.005	-0.004	0	0.0021082
100	0.6	0.6	0.6	0	0.595	0.595	0.595	0	-0.005	-0.005	-0.005	0

Device Test: 5.1; PROPD_RESET





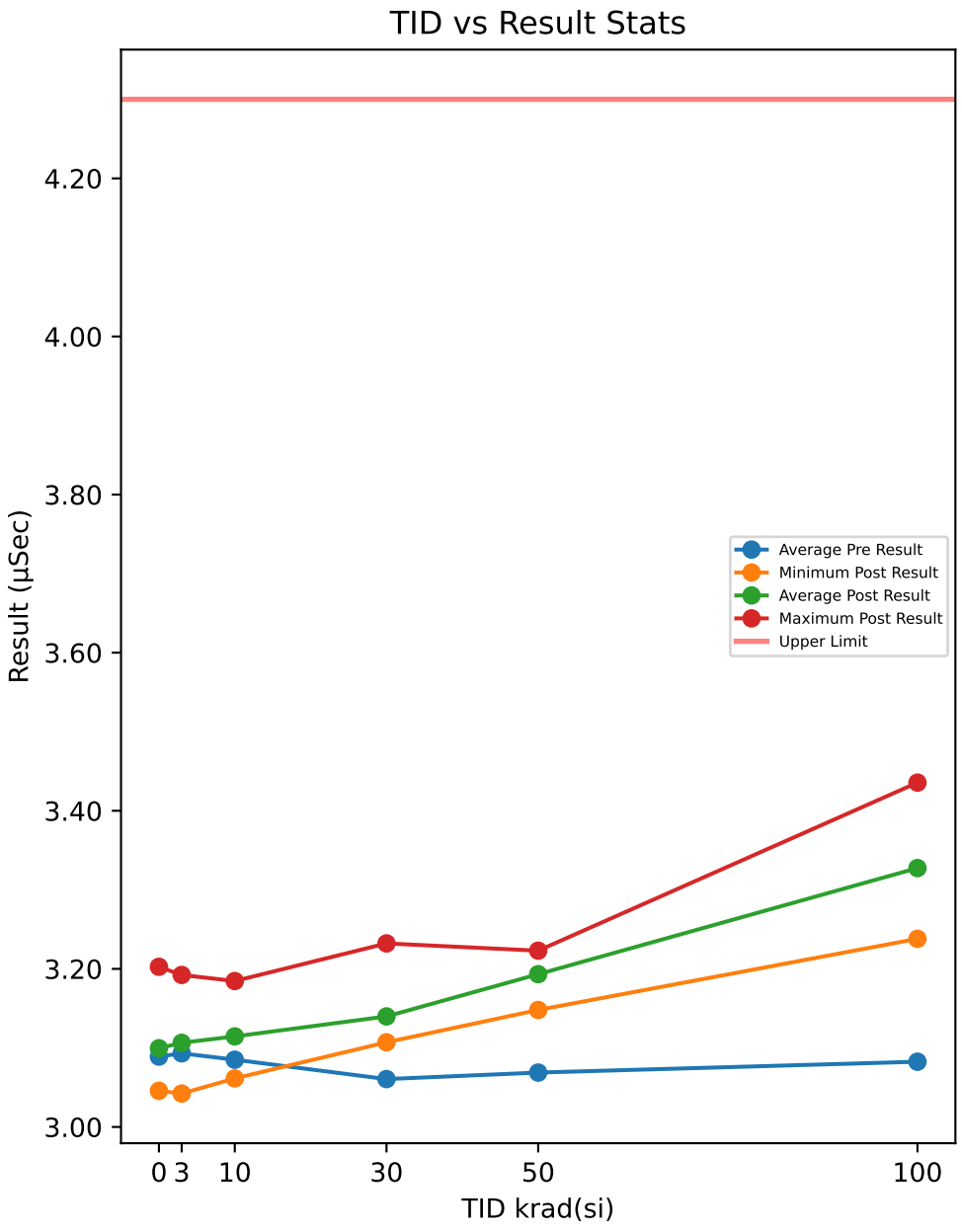
Test Results (Upper Limit = 4.3 (µSec))

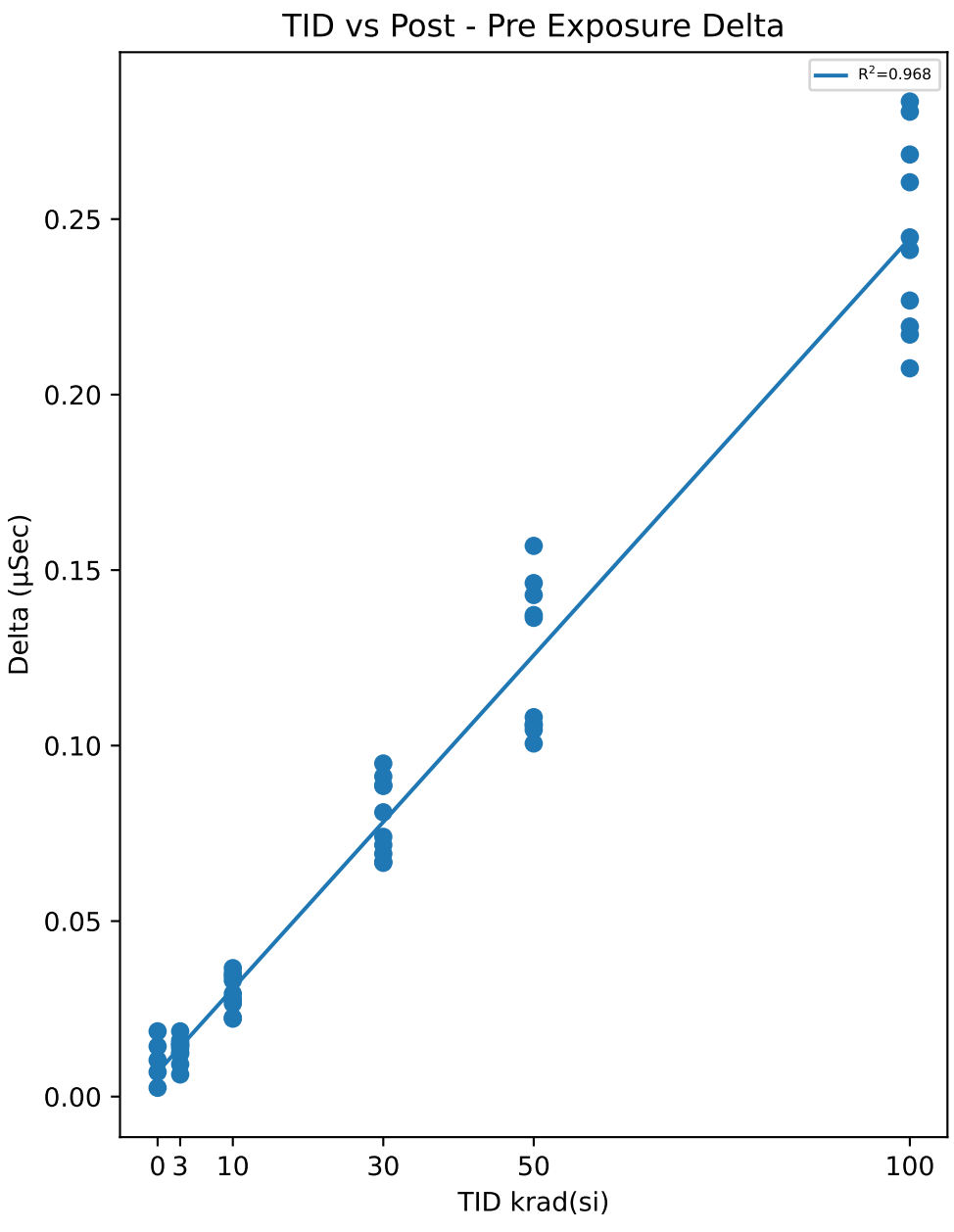
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.9254	2.9467	0.0213
2	3	Biased	3.0296	3.0502	0.0206
3	3	Biased	3.0024	3.0083	0.0059
4	3	Biased	2.9456	2.9585	0.0129
5	3	Biased	2.9277	2.9385	0.0108
6	3	Unbiased	2.9186	2.9372	0.0186
7	3	Unbiased	3.0363	3.0547	0.0184
8	3	Unbiased	2.9086	2.9245	0.0159
9	3	Unbiased	2.972	2.9814	0.0094
10	3	Unbiased	2.9684	2.975	0.0066
11	10	Biased	2.9077	2.9332	0.0255
12	10	Biased	2.9242	2.9543	0.0301
13	10	Biased	2.9726	3.0077	0.0351
14	10	Biased	2.9129	2.9495	0.0366
15	10	Biased	2.9129	2.9459	0.033
16	10	Unbiased	2.964	2.9921	0.0281
17	10	Unbiased	2.9996	3.036	0.0364
18	10	Unbiased	3.0049	3.0299	0.025
19	10	Unbiased	2.9139	2.9446	0.0307
20	10	Unbiased	2.9951	3.0248	0.0297
21	30	Biased	2.9222	2.9991	0.0769
22	30	Biased	2.9017	2.9912	0.0895
23	30	Biased	3.0338	3.1161	0.0823
24	30	Biased	2.9303	3.0272	0.0969
25	30	Biased	2.9424	3.0325	0.0901
26	30	Unbiased	2.9017	2.998	0.0963
27	30	Unbiased	2.9312	3.0265	0.0953
28	30	Unbiased	2.9301	3.0081	0.078
29	30	Unbiased	2.9192	3.0105	0.0913
30	30	Unbiased	2.9445	3.0308	0.0863
31	50	Biased	2.9774	3.1172	0.1398
32	50	Biased	2.994	3.1189	0.1249
33	50	Biased	2.9302	3.079	0.1488
34	50	Biased	2.9967	3.1453	0.1486
35	50	Biased	2.96	3.0978	0.1378
36	50	Unbiased	2.9257	3.0762	0.1505
37	50	Unbiased	2.9152	3.058	0.1428
38	50	Unbiased	2.929	3.0848	0.1558
39	50	Unbiased	2.9394	3.0876	0.1482
40	50	Unbiased	2.9229	3.0713	0.1484
41	100	Biased	2.9108	3.1933	0.2825
42	100	Biased	2.9249	3.1963	0.2714
43	100	Biased	2.9099	3.1793	0.2694
44	100	Biased	3.005	3.2808	0.2758
45	100	Biased	2.9043	3.1683	0.264
46	100	Unbiased	3.0029	3.2638	0.2609
47	100	Unbiased	3.0459	3.291	0.2451
48	100	Unbiased	3.0225	3.2969	0.2744
49	100	Unbiased	2.9061	3.1728	0.2667
50	100	Unbiased	2.9052	3.1869	0.2817
51	0	Correlation	2.9424	2.9457	0.0033
52	0	Correlation	3.0273	3.0378	0.0105
53	0	Correlation	2.9345	2.9349	0.0004
54	0	Correlation	2.9702	2.9779	0.0077
55	0	Correlation	2.9269	2.9271	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	2.9269	2.9603	3.0273	0.040892	2.9271	2.9647	3.0378	0.045223	0.0002	0.00442	0.0105	0.0045538
3	2.9086	2.9635	3.0363	0.046383	2.9245	2.9775	3.0547	0.046522	0.0059	0.01404	0.0213	0.0057149
10	2.9077	2.9508	3.0049	0.040442	2.9332	2.9818	3.036	0.04043	0.025	0.03102	0.0366	0.0041976
30	2.9017	2.9357	3.0338	0.037406	2.9912	3.024	3.1161	0.035628	0.0769	0.08829	0.0969	0.0072777
50	2.9152	2.9491	2.9967	0.030623	3.058	3.0936	3.1453	0.026419	0.1249	0.14456	0.1558	0.0087043
100	2.9043	2.9538	3.0459	0.057671	3.1683	3.2229	3.2969	0.053136	0.2451	0.26919	0.2825	0.011013

Device Test: 5.10; PROPD_RESET





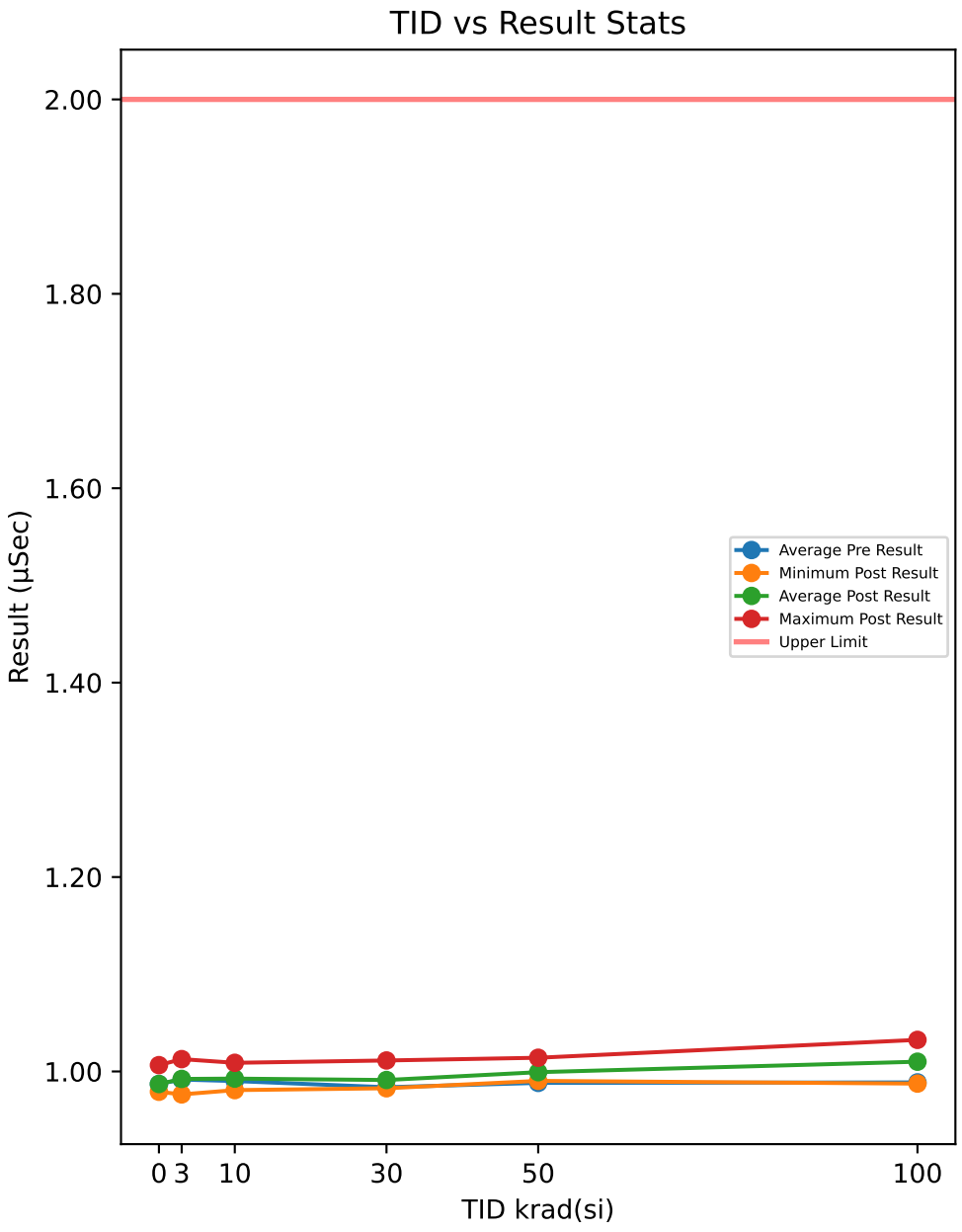
Test Results (Upper Limit = 4.3 (µSec))

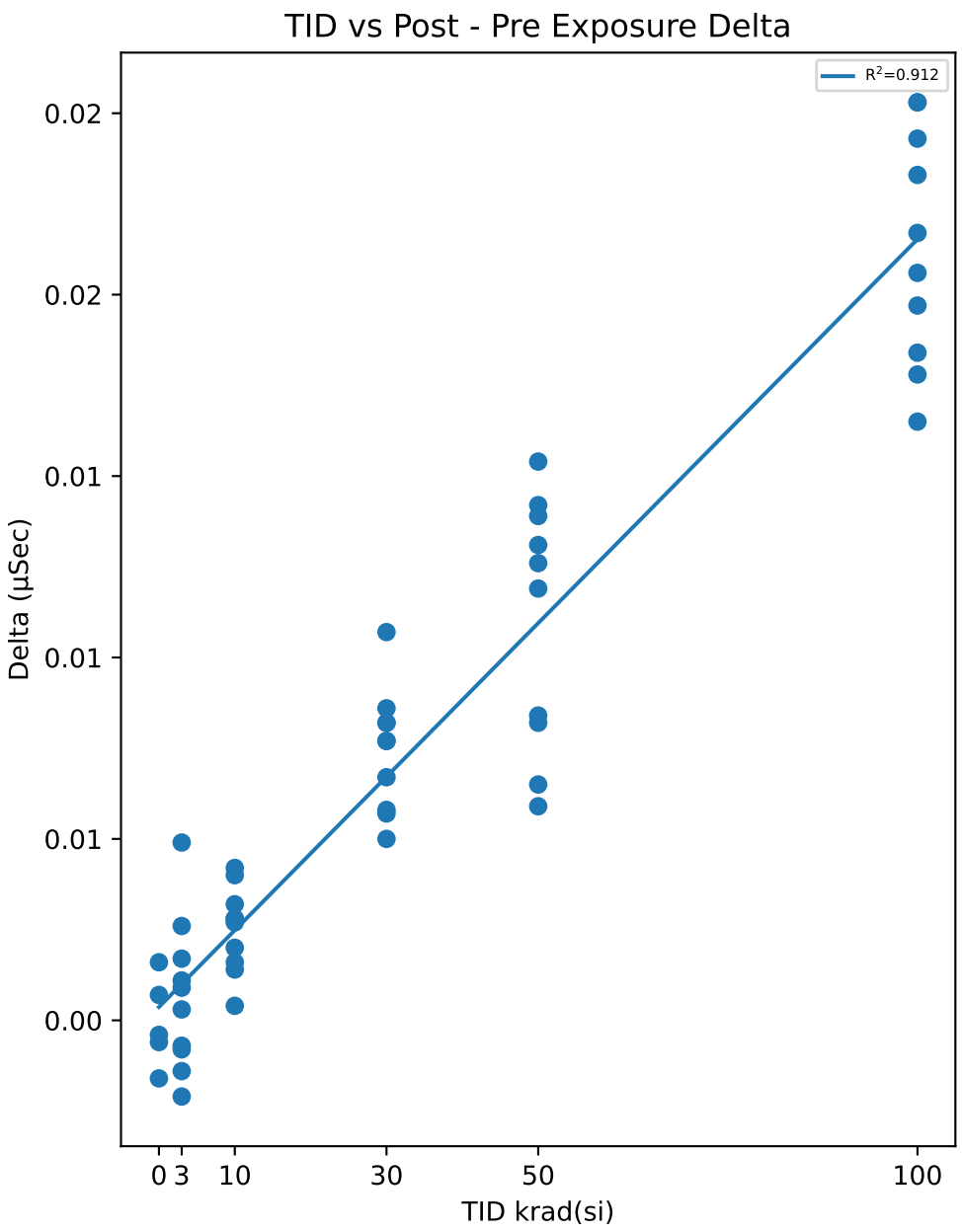
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	3.0806	3.0951	0.0145
2	3	Biased	3.1548	3.17	0.0152
3	3	Biased	3.1201	3.1387	0.0186
4	3	Biased	3.0621	3.0713	0.0092
5	3	Biased	3.0365	3.0503	0.0138
6	3	Unbiased	3.0306	3.0454	0.0148
7	3	Unbiased	3.186	3.1923	0.0063
8	3	Unbiased	3.0301	3.0423	0.0122
9	3	Unbiased	3.1113	3.1273	0.016
10	3	Unbiased	3.1194	3.132	0.0126
11	10	Biased	3.0337	3.0614	0.0277
12	10	Biased	3.0729	3.1004	0.0275
13	10	Biased	3.0961	3.1183	0.0222
14	10	Biased	3.0308	3.0651	0.0343
15	10	Biased	3.0733	3.0958	0.0225
16	10	Unbiased	3.0928	3.1193	0.0265
17	10	Unbiased	3.148	3.1846	0.0366
18	10	Unbiased	3.1252	3.1603	0.0351
19	10	Unbiased	3.062	3.0913	0.0293
20	10	Unbiased	3.1158	3.1489	0.0331
21	30	Biased	3.0609	3.1278	0.0669
22	30	Biased	3.0405	3.1071	0.0666
23	30	Biased	3.163	3.2322	0.0692
24	30	Biased	3.0429	3.1169	0.074
25	30	Biased	3.0617	3.1334	0.0717
26	30	Unbiased	3.036	3.1245	0.0885
27	30	Unbiased	3.0338	3.1287	0.0949
28	30	Unbiased	3.051	3.132	0.081
29	30	Unbiased	3.0461	3.1373	0.0912
30	30	Unbiased	3.0698	3.1585	0.0887
31	50	Biased	3.116	3.2217	0.1057
32	50	Biased	3.1158	3.2164	0.1006
33	50	Biased	3.0399	3.148	0.1081
34	50	Biased	3.1169	3.223	0.1061
35	50	Biased	3.1156	3.2201	0.1045
36	50	Unbiased	3.0199	3.1628	0.1429
37	50	Unbiased	3.0339	3.1703	0.1364
38	50	Unbiased	3.0493	3.2062	0.1569
39	50	Unbiased	3.0593	3.1965	0.1372
40	50	Unbiased	3.0214	3.1677	0.1463
41	100	Biased	3.0623	3.2698	0.2075
42	100	Biased	3.0322	3.259	0.2268
43	100	Biased	3.0523	3.2717	0.2194
44	100	Biased	3.1395	3.3807	0.2412
45	100	Biased	3.0209	3.238	0.2171
46	100	Unbiased	3.142	3.4255	0.2835
47	100	Unbiased	3.1302	3.375	0.2448
48	100	Unbiased	3.155	3.4356	0.2806
49	100	Unbiased	3.0669	3.3353	0.2684
50	100	Unbiased	3.0239	3.2844	0.2605
51	0	Correlation	3.0477	3.0547	0.007
52	0	Correlation	3.1883	3.2026	0.0143
53	0	Correlation	3.0432	3.0457	0.0025
54	0	Correlation	3.0997	3.1183	0.0186
55	0	Correlation	3.0661	3.0765	0.0104

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	3.0432	3.089	3.1883	0.059797	3.0457	3.0996	3.2026	0.064058	0.0025	0.01056	0.0186	0.0062508
3	3.0301	3.0932	3.186	0.054145	3.0423	3.1065	3.1923	0.053641	0.0063	0.01332	0.0186	0.003503
10	3.0308	3.0851	3.148	0.038151	3.0614	3.1145	3.1846	0.040248	0.0222	0.02948	0.0366	0.0051244
30	3.0338	3.0606	3.163	0.037881	3.1071	3.1398	3.2322	0.035104	0.0666	0.07927	0.0949	0.010872
50	3.0199	3.0688	3.1169	0.042298	3.148	3.1933	3.223	0.028448	0.1006	0.12447	0.1569	0.02134
100	3.0209	3.0825	3.155	0.053378	3.238	3.3275	3.4356	0.072602	0.2075	0.24498	0.2835	0.027332

Device Test: 5.105; PROPD_SR_UVLO





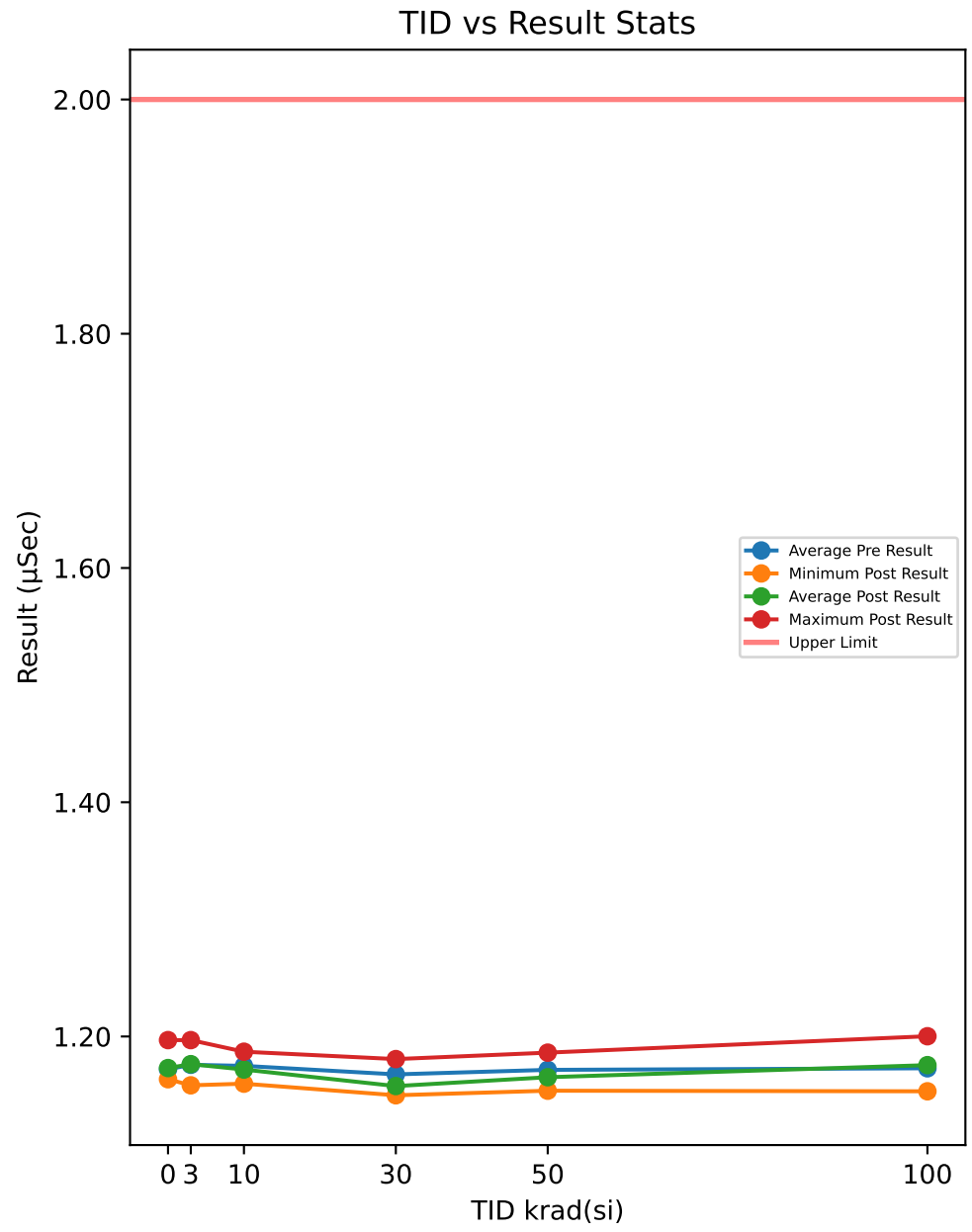
Test Results (Upper Limit = 2.0 (µSec))

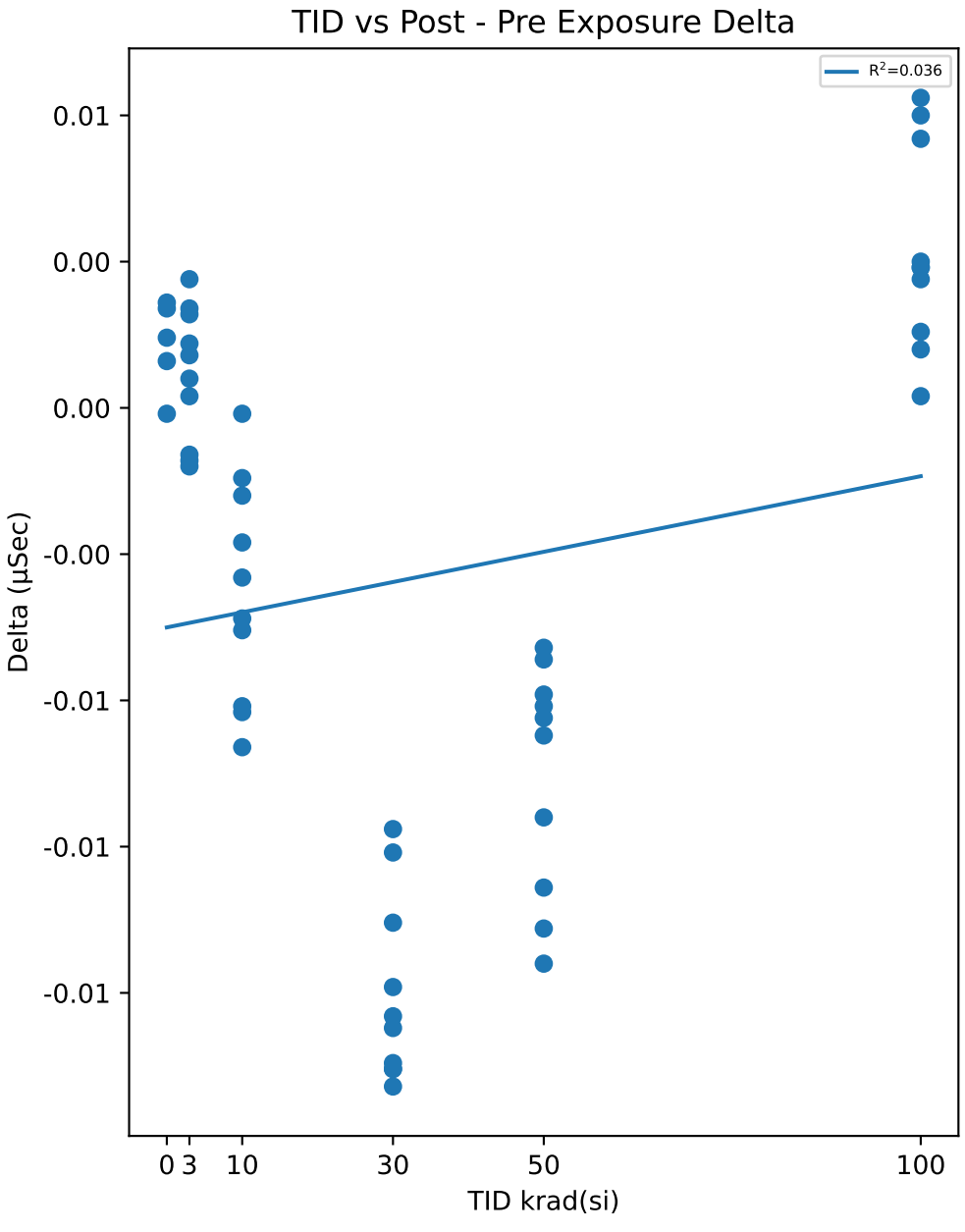
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.9854	0.9863	0.0009
2	3	Biased	1.0055	1.0058	0.0003
3	3	Biased	1.0016	1.0065	0.0049
4	3	Biased	0.9803	0.9795	-0.0008
5	3	Biased	0.9785	0.9764	-0.0021
6	3	Unbiased	0.9767	0.9778	0.0011
7	3	Unbiased	1.0101	1.0127	0.0026
8	3	Unbiased	0.9859	0.9845	-0.0014
9	3	Unbiased	0.9969	0.9986	0.0017
10	3	Unbiased	0.9957	0.995	-0.0007
11	10	Biased	0.983	0.9846	0.0016
12	10	Biased	0.9857	0.9889	0.0032
13	10	Biased	0.997	0.999	0.002
14	10	Biased	0.9796	0.981	0.0014
15	10	Biased	0.9826	0.9853	0.0027
16	10	Unbiased	0.9994	1.0022	0.0028
17	10	Unbiased	1.0061	1.0089	0.0028
18	10	Unbiased	0.9945	0.9987	0.0042
19	10	Unbiased	0.9804	0.9808	0.0004
20	10	Unbiased	0.993	0.997	0.004
21	30	Biased	0.9792	0.9878	0.0086
22	30	Biased	0.975	0.9827	0.0077
23	30	Biased	1.0056	1.0113	0.0057
24	30	Biased	0.9826	0.9893	0.0067
25	30	Biased	0.9848	0.9898	0.005
26	30	Unbiased	0.9835	0.9917	0.0082
27	30	Unbiased	0.98	0.9907	0.0107
28	30	Unbiased	0.9772	0.9854	0.0082
29	30	Unbiased	0.9871	0.9929	0.0058
30	30	Unbiased	0.9827	0.9904	0.0077
31	50	Biased	1.0011	1.007	0.0059
32	50	Biased	0.994	1.0005	0.0065
33	50	Biased	0.9807	0.9926	0.0119
34	50	Biased	1.0057	1.0141	0.0084
35	50	Biased	0.9898	0.998	0.0082
36	50	Unbiased	0.9839	0.9981	0.0142
37	50	Unbiased	0.9865	0.9991	0.0126
38	50	Unbiased	0.9775	0.9906	0.0131
39	50	Unbiased	0.9868	1.0022	0.0154
40	50	Unbiased	0.9764	0.9903	0.0139
41	100	Biased	0.9782	0.996	0.0178
42	100	Biased	0.9809	1.0006	0.0197
43	100	Biased	0.9864	1.0107	0.0243
44	100	Biased	1.0005	1.0211	0.0206
45	100	Biased	0.971	0.9875	0.0165
46	100	Unbiased	0.9986	1.0219	0.0233
47	100	Unbiased	1.0032	1.0216	0.0184
48	100	Unbiased	1.0072	1.0325	0.0253
49	100	Unbiased	0.9741	0.9958	0.0217
50	100	Unbiased	0.9874	1.0127	0.0253
51	0	Correlation	0.9779	0.9795	0.0016
52	0	Correlation	1.0081	1.0065	-0.0016
53	0	Correlation	0.9784	0.9791	0.0007
54	0	Correlation	0.9862	0.9856	-0.0006
55	0	Correlation	0.985	0.9846	-0.0004

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	0.9779	0.98712	1.0081	0.012314	0.9791	0.98706	1.0065	0.011254	-0.0016	-6e-05	0.0016	0.0012361
3	0.9767	0.99166	1.0101	0.011891	0.9764	0.99231	1.0127	0.013211	-0.0021	0.00065	0.0049	0.0020829
10	0.9796	0.99013	1.0061	0.0091179	0.9808	0.99264	1.0089	0.0097761	0.0004	0.00251	0.0042	0.0011799
30	0.975	0.98377	1.0056	0.0084752	0.9827	0.9912	1.0113	0.0076816	0.005	0.00743	0.0107	0.0016826
50	0.9764	0.98824	1.0057	0.0096734	0.9903	0.99925	1.0141	0.0074005	0.0059	0.01101	0.0154	0.0034424
100	0.971	0.98875	1.0072	0.012885	0.9875	1.01	1.0325	0.014551	0.0165	0.02129	0.0253	0.0031956

Device Test: 5.106; PROPD_SR_UVLO





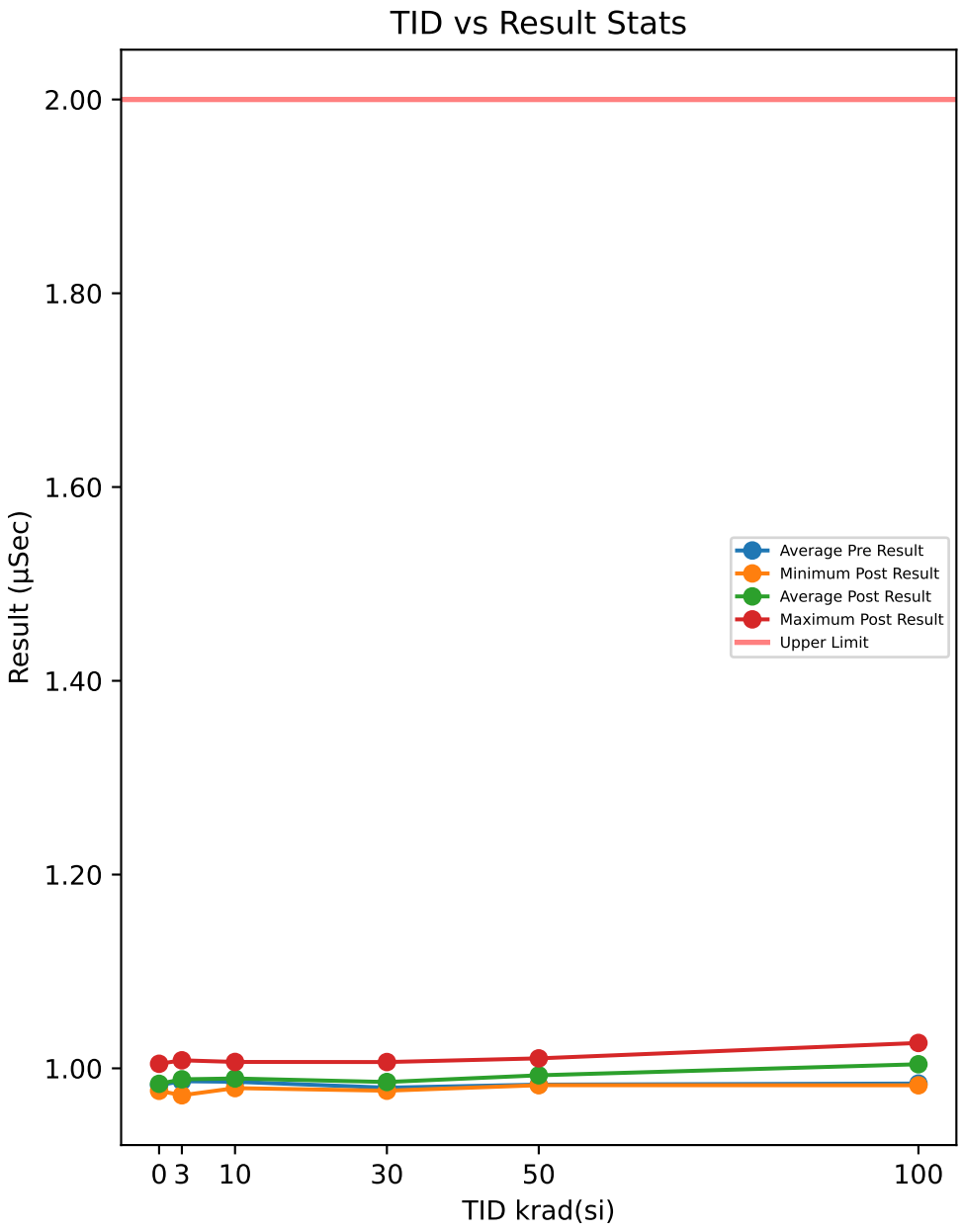
Test Results (Upper Limit = 2.0 (µSec))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.1668	1.1685	0.0017
2	3	Biased	1.1925	1.1934	0.0009
3	3	Biased	1.1898	1.1909	0.0011
4	3	Biased	1.1628	1.163	0.0002
5	3	Biased	1.1621	1.1613	-0.0008
6	3	Unbiased	1.1567	1.1583	0.0016
7	3	Unbiased	1.1964	1.1969	0.0005
8	3	Unbiased	1.1691	1.1713	0.0022
9	3	Unbiased	1.1823	1.1813	-0.001
10	3	Unbiased	1.1797	1.1788	-0.0009
11	10	Biased	1.1661	1.1638	-0.0023
12	10	Biased	1.1698	1.1669	-0.0029
13	10	Biased	1.1835	1.1799	-0.0036
14	10	Biased	1.1623	1.1622	-0.0001
15	10	Biased	1.1667	1.1655	-0.0012
16	10	Unbiased	1.182	1.1805	-0.0015
17	10	Unbiased	1.1921	1.187	-0.0051
18	10	Unbiased	1.181	1.1752	-0.0058
19	10	Unbiased	1.1649	1.1597	-0.0052
20	10	Unbiased	1.1807	1.1769	-0.0038
21	30	Biased	1.1655	1.1542	-0.0113
22	30	Biased	1.1597	1.1498	-0.0099
23	30	Biased	1.1911	1.1807	-0.0104
24	30	Biased	1.1668	1.1562	-0.0106
25	30	Biased	1.1679	1.1563	-0.0116
26	30	Unbiased	1.166	1.1548	-0.0112
27	30	Unbiased	1.1615	1.1543	-0.0072
28	30	Unbiased	1.1644	1.1531	-0.0113
29	30	Unbiased	1.1671	1.1595	-0.0076
30	30	Unbiased	1.1664	1.1576	-0.0088
31	50	Biased	1.1841	1.1771	-0.007
32	50	Biased	1.1784	1.1702	-0.0082
33	50	Biased	1.1633	1.1538	-0.0095
34	50	Biased	1.1913	1.1862	-0.0051
35	50	Biased	1.1731	1.1642	-0.0089
36	50	Unbiased	1.1678	1.1625	-0.0053
37	50	Unbiased	1.1705	1.1649	-0.0056
38	50	Unbiased	1.1593	1.1544	-0.0049
39	50	Unbiased	1.1692	1.1651	-0.0041
40	50	Unbiased	1.158	1.1537	-0.0043
41	100	Biased	1.163	1.164	0.001
42	100	Biased	1.1645	1.1647	0.0002
43	100	Biased	1.1705	1.1727	0.0022
44	100	Biased	1.1859	1.1883	0.0024
45	100	Biased	1.1519	1.1532	0.0013
46	100	Unbiased	1.1833	1.1886	0.0053
47	100	Unbiased	1.1836	1.1882	0.0046
48	100	Unbiased	1.1952	1.2002	0.005
49	100	Unbiased	1.1585	1.1609	0.0024
50	100	Unbiased	1.172	1.1745	0.0025
51	0	Correlation	1.1649	1.1648	-0.0001
52	0	Correlation	1.1957	1.1969	0.0012
53	0	Correlation	1.1618	1.1635	0.0017
54	0	Correlation	1.1718	1.1736	0.0018
55	0	Correlation	1.1656	1.1664	0.0008

Test Statistics (µSec)

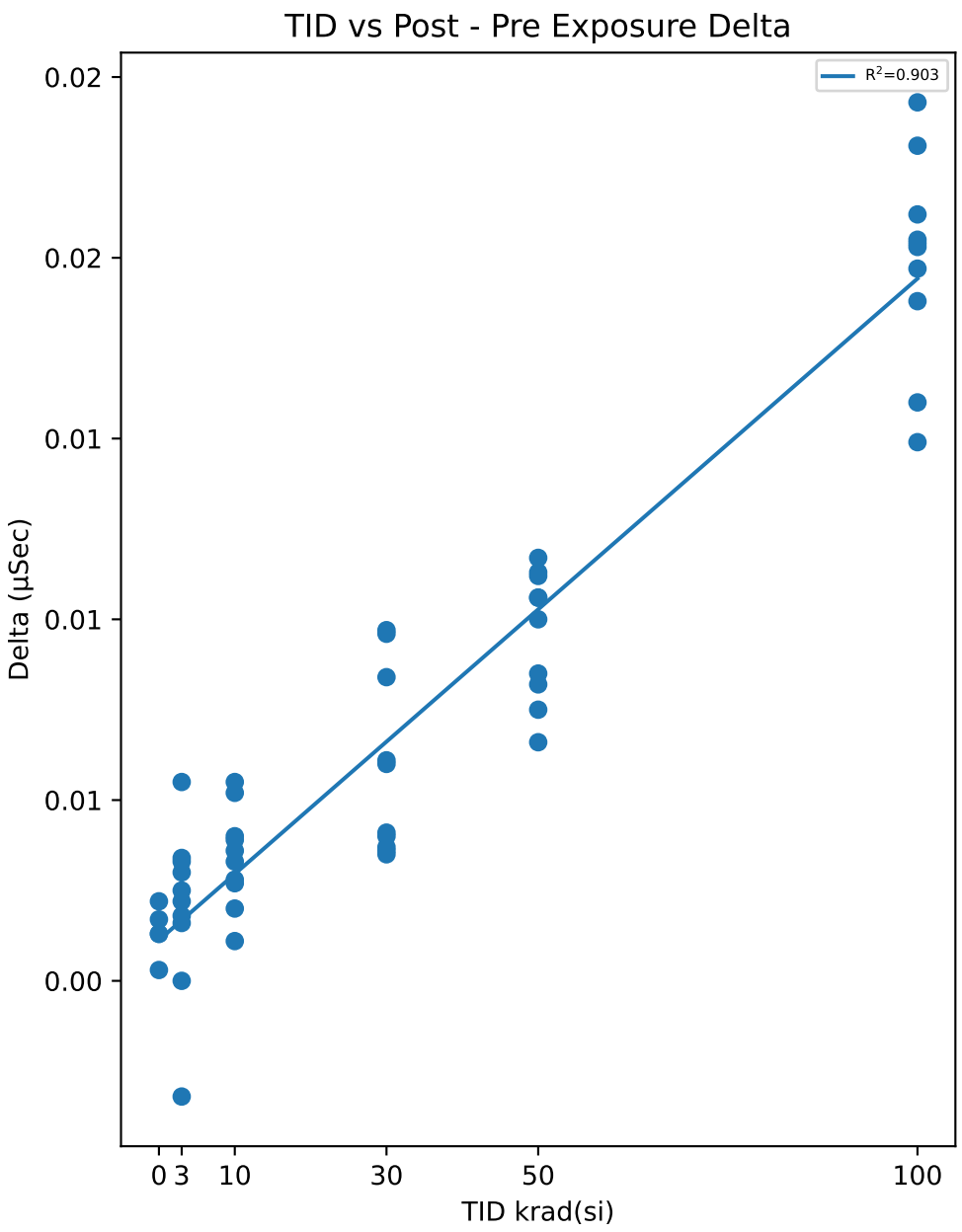
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.1618	1.172	1.1957	0.013758	1.1635	1.173	1.1969	0.013898	-0.0001	0.00108	0.0018	0.00077266
3	1.1567	1.1758	1.1964	0.014158	1.1583	1.1764	1.1969	0.014035	-0.001	0.00055	0.0022	0.0011559
10	1.1623	1.1749	1.1921	0.010113	1.1597	1.1718	1.187	0.0092866	-0.0058	-0.00315	-0.0001	0.0018934
30	1.1597	1.1676	1.1911	0.0086377	1.1498	1.1576	1.1807	0.0085129	-0.0116	-0.00999	-0.0072	0.0015968
50	1.158	1.1715	1.1913	0.010642	1.1537	1.1652	1.1862	0.010514	-0.0095	-0.00629	-0.0041	0.0019672
100	1.1519	1.1728	1.1952	0.013794	1.1532	1.1755	1.2002	0.015184	0.0002	0.00269	0.0053	0.0017394

Device Test: 5.107; PROPD_SR_UVLO



Test Results (Upper Limit = 2.0 (µSec))

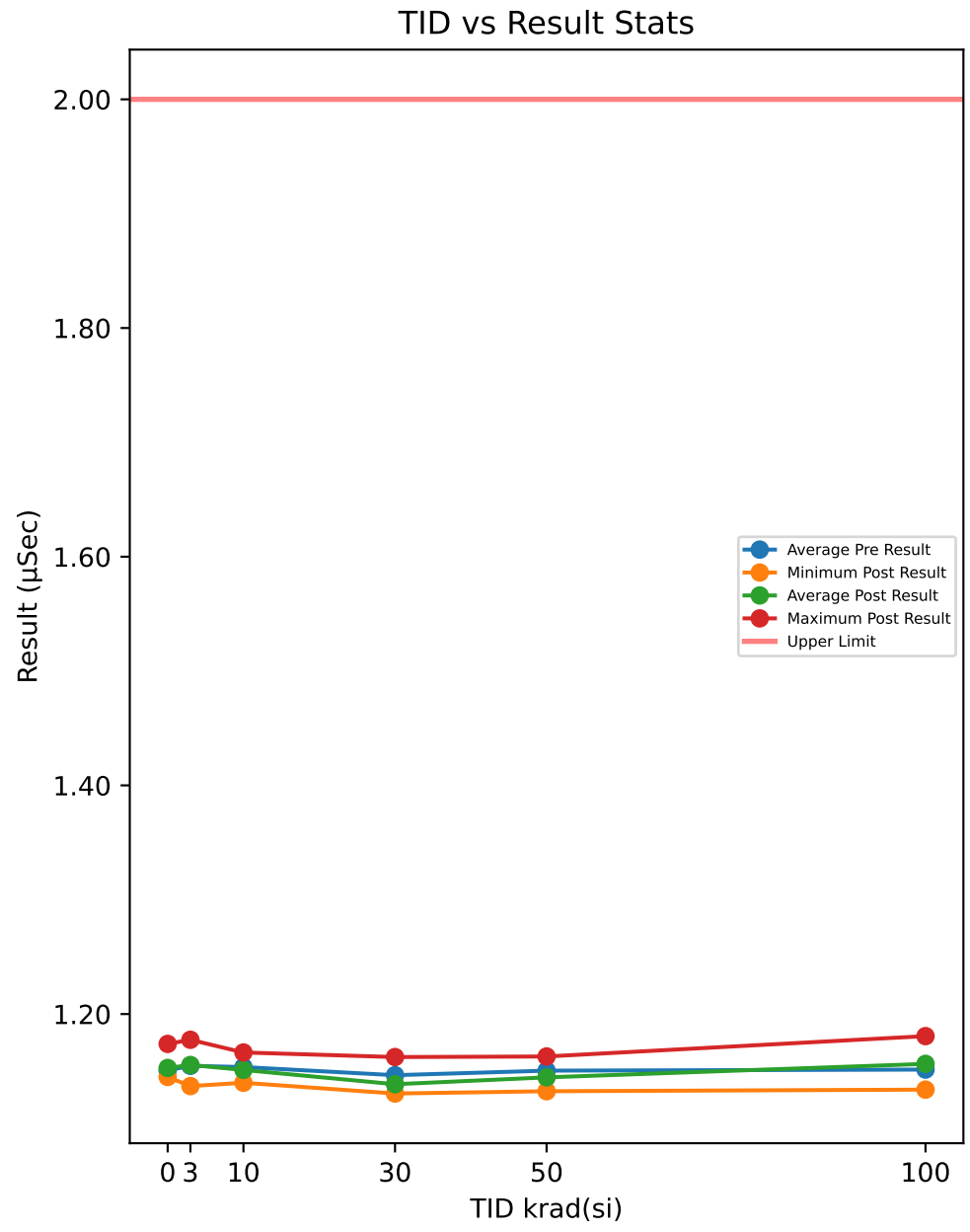
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.9815	0.9848	0.0033
2	3	Biased	0.9997	1.0022	0.0025
3	3	Biased	0.999	1.0006	0.0016
4	3	Biased	0.9761	0.9791	0.003
5	3	Biased	0.9718	0.974	0.0022
6	3	Unbiased	0.9688	0.9722	0.0034
7	3	Unbiased	1.0028	1.0083	0.0055
8	3	Unbiased	0.9802	0.982	0.0018
9	3	Unbiased	0.9947	0.9915	-0.0032
10	3	Unbiased	0.9922	0.9922	0
11	10	Biased	0.9792	0.9832	0.004
12	10	Biased	0.9822	0.9849	0.0027
13	10	Biased	0.9938	0.9949	0.0011
14	10	Biased	0.9744	0.9796	0.0052
15	10	Biased	0.9769	0.9797	0.0028
16	10	Unbiased	0.993	0.9963	0.0033
17	10	Unbiased	1.0011	1.0066	0.0055
18	10	Unbiased	0.991	0.9946	0.0036
19	10	Unbiased	0.9772	0.9811	0.0039
20	10	Unbiased	0.9925	0.9945	0.002
21	30	Biased	0.9784	0.9819	0.0035
22	30	Biased	0.9733	0.9769	0.0036
23	30	Biased	1.0005	1.0065	0.006
24	30	Biased	0.9796	0.9833	0.0037
25	30	Biased	0.9798	0.9838	0.004
26	30	Unbiased	0.9761	0.9858	0.0097
27	30	Unbiased	0.9756	0.984	0.0084
28	30	Unbiased	0.9776	0.9817	0.0041
29	30	Unbiased	0.9796	0.9892	0.0096
30	30	Unbiased	0.9797	0.9858	0.0061
31	50	Biased	0.9924	1.0024	0.01
32	50	Biased	0.9865	0.9971	0.0106
33	50	Biased	0.976	0.9826	0.0066
34	50	Biased	1.0018	1.0103	0.0085
35	50	Biased	0.9854	0.9929	0.0075
36	50	Unbiased	0.9798	0.9915	0.0117
37	50	Unbiased	0.9817	0.9929	0.0112
38	50	Unbiased	0.9726	0.9839	0.0113
39	50	Unbiased	0.9836	0.9918	0.0082
40	50	Unbiased	0.9721	0.9827	0.0106
41	100	Biased	0.9741	0.9929	0.0188
42	100	Biased	0.9771	0.992	0.0149
43	100	Biased	0.9839	1.0036	0.0197
44	100	Biased	0.9934	1.0146	0.0212
45	100	Biased	0.9665	0.9825	0.016
46	100	Unbiased	0.9938	1.0143	0.0205
47	100	Unbiased	0.9971	1.0202	0.0231
48	100	Unbiased	1.0019	1.0262	0.0243
49	100	Unbiased	0.9709	0.9912	0.0203
50	100	Unbiased	0.9843	1.0047	0.0204
51	0	Correlation	0.9755	0.9777	0.0022
52	0	Correlation	1.003	1.0047	0.0017
53	0	Correlation	0.9755	0.9768	0.0013
54	0	Correlation	0.9809	0.9822	0.0013
55	0	Correlation	0.9784	0.9787	0.0003

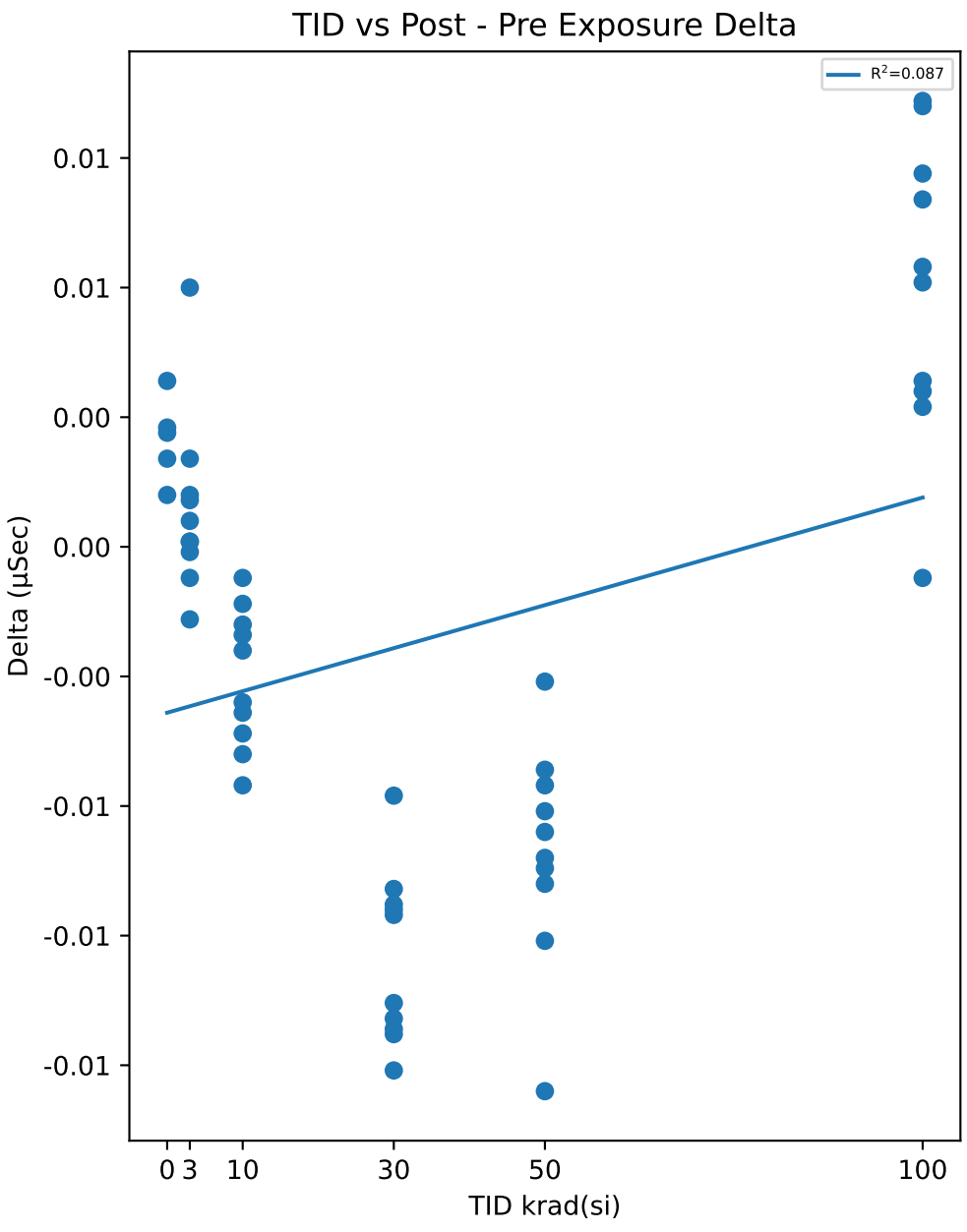


Test Statistics (µSec)

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	0.9755	0.98266	1.003	0.011592	0.9768	0.98402	1.0047	0.01174	0.0003	0.00136	0.0022	0.00069857
3	0.9688	0.98668	1.0028	0.012462	0.9722	0.98869	1.0083	0.012332	-0.0032	0.00201	0.0055	0.0023197
10	0.9744	0.98613	1.0011	0.0091919	0.9796	0.98954	1.0066	0.0090937	0.0011	0.00341	0.0055	0.0013503
30	0.9733	0.98002	1.0005	0.0075165	0.9769	0.98589	1.0065	0.0079211	0.0035	0.00587	0.0097	0.0025202
50	0.9721	0.98319	1.0018	0.0091148	0.9826	0.99281	1.0103	0.0088498	0.0066	0.00962	0.0117	0.0017825
100	0.9665	0.9843	1.0019	0.012014	0.9825	1.0042	1.0262	0.014404	0.0149	0.01992	0.0243	0.002858

Device Test: 5.108; PROPD_SR_UVLO





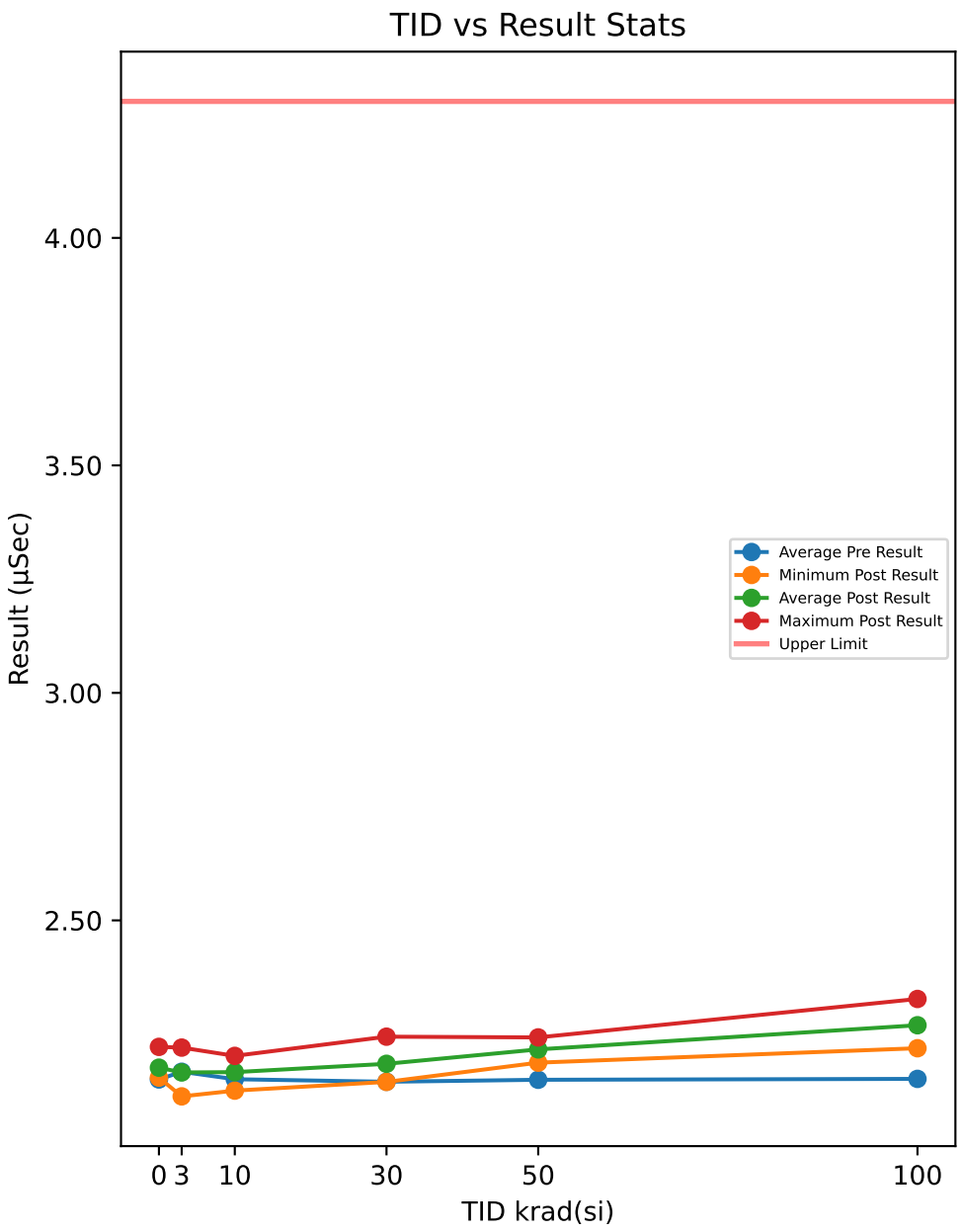
Test Results (Upper Limit = 2.0 (µSec))

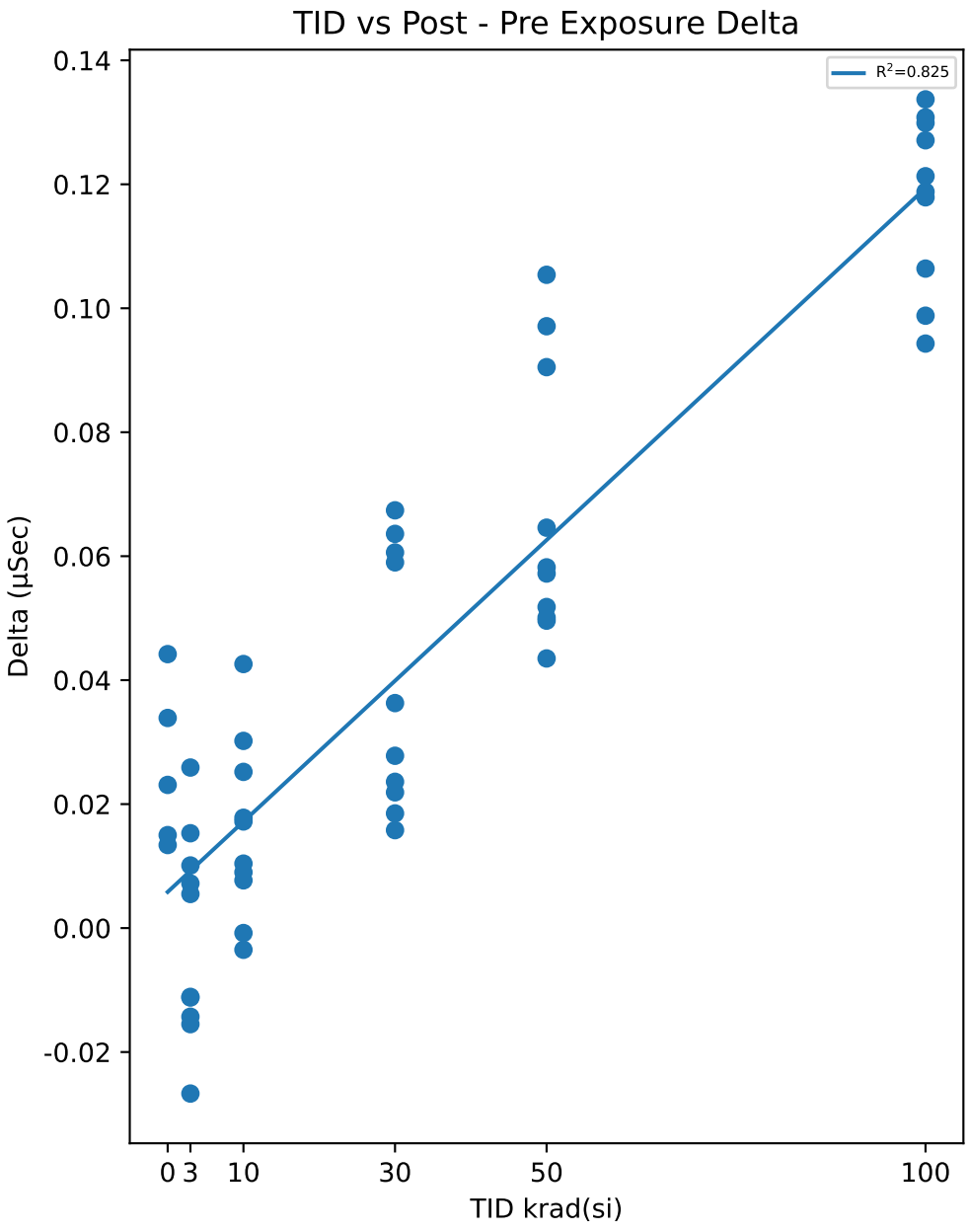
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.146	1.1477	0.0017
2	3	Biased	1.1674	1.1724	0.005
3	3	Biased	1.1701	1.1702	0.0001
4	3	Biased	1.1427	1.1426	-0.0001
5	3	Biased	1.139	1.1384	-0.0006
6	3	Unbiased	1.1361	1.137	0.0009
7	3	Unbiased	1.177	1.1775	0.0005
8	3	Unbiased	1.1479	1.1489	0.001
9	3	Unbiased	1.1621	1.1622	0.0001
10	3	Unbiased	1.159	1.1576	-0.0014
11	10	Biased	1.1445	1.1434	-0.0011
12	10	Biased	1.1491	1.1474	-0.0017
13	10	Biased	1.1624	1.1592	-0.0032
14	10	Biased	1.1419	1.1399	-0.002
15	10	Biased	1.1438	1.1432	-0.0006
16	10	Unbiased	1.1602	1.1572	-0.003
17	10	Unbiased	1.17	1.1664	-0.0036
18	10	Unbiased	1.1598	1.1552	-0.0046
19	10	Unbiased	1.1444	1.1404	-0.004
20	10	Unbiased	1.1604	1.1589	-0.0015
21	30	Biased	1.144	1.1352	-0.0088
22	30	Biased	1.1396	1.1305	-0.0091
23	30	Biased	1.1694	1.1624	-0.007
24	30	Biased	1.1461	1.1367	-0.0094
25	30	Biased	1.1468	1.1397	-0.0071
26	30	Unbiased	1.1449	1.1356	-0.0093
27	30	Unbiased	1.1411	1.1345	-0.0066
28	30	Unbiased	1.1432	1.1331	-0.0101
29	30	Unbiased	1.1447	1.1378	-0.0069
30	30	Unbiased	1.1455	1.1407	-0.0048
31	50	Biased	1.162	1.1558	-0.0062
32	50	Biased	1.1583	1.1478	-0.0105
33	50	Biased	1.1426	1.135	-0.0076
34	50	Biased	1.1694	1.1629	-0.0065
35	50	Biased	1.152	1.146	-0.006
36	50	Unbiased	1.1456	1.1413	-0.0043
37	50	Unbiased	1.1487	1.1461	-0.0026
38	50	Unbiased	1.1371	1.1325	-0.0046
39	50	Unbiased	1.1505	1.1454	-0.0051
40	50	Unbiased	1.1389	1.1334	-0.0055
41	100	Biased	1.1404	1.1431	0.0027
42	100	Biased	1.1453	1.1447	-0.0006
43	100	Biased	1.1506	1.1538	0.0032
44	100	Biased	1.1642	1.1696	0.0054
45	100	Biased	1.1309	1.1339	0.003
46	100	Unbiased	1.1637	1.1723	0.0086
47	100	Unbiased	1.1622	1.1694	0.0072
48	100	Unbiased	1.1722	1.1807	0.0085
49	100	Unbiased	1.1357	1.1408	0.0051
50	100	Unbiased	1.1492	1.1559	0.0067
51	0	Correlation	1.1452	1.1474	0.0022
52	0	Correlation	1.1729	1.1739	0.001
53	0	Correlation	1.1433	1.145	0.0017
54	0	Correlation	1.1482	1.1514	0.0032
55	0	Correlation	1.1442	1.1465	0.0023

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	1.1433	1.1508	1.1729	0.012513	1.145	1.1528	1.1739	0.012009	0.001	0.00208	0.0032	0.00081056
3	1.1361	1.1547	1.177	0.014249	1.137	1.1555	1.1775	0.014683	-0.0014	0.00072	0.005	0.0017358
10	1.1419	1.1537	1.17	0.0099735	1.1399	1.1511	1.1664	0.0093682	-0.0046	-0.00253	-0.0006	0.0013359
30	1.1396	1.1465	1.1694	0.0083357	1.1305	1.1386	1.1624	0.008879	-0.0101	-0.00791	-0.0048	0.0016683
50	1.1371	1.1505	1.1694	0.010308	1.1325	1.1446	1.1629	0.0097201	-0.0105	-0.00589	-0.0026	0.00212
100	1.1309	1.1514	1.1722	0.013723	1.1339	1.1564	1.1807	0.015836	-0.0006	0.00498	0.0086	0.0029249

Device Test: 5.11; PROPD_RESET





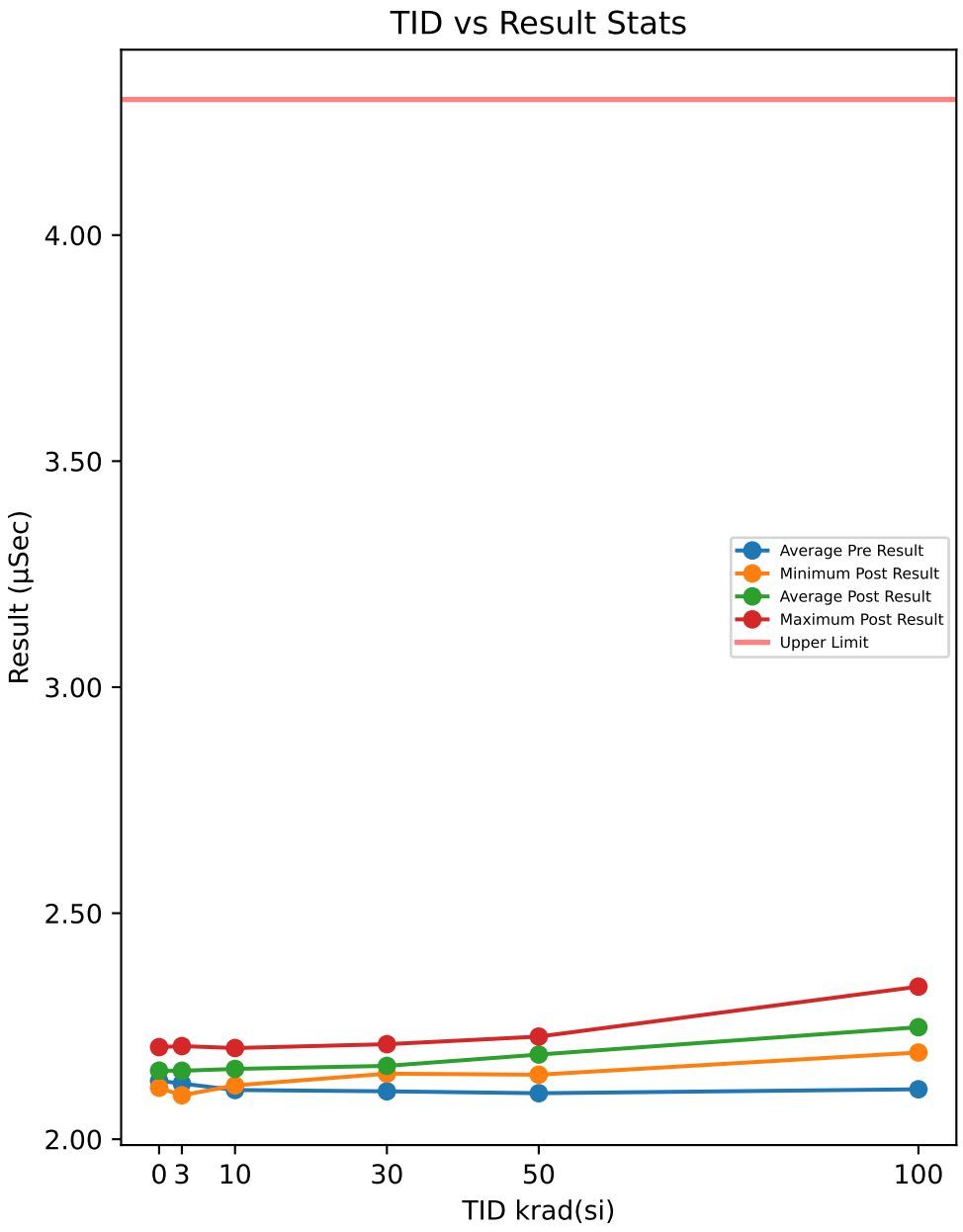
Test Results (Upper Limit = 4.3 (µSec))

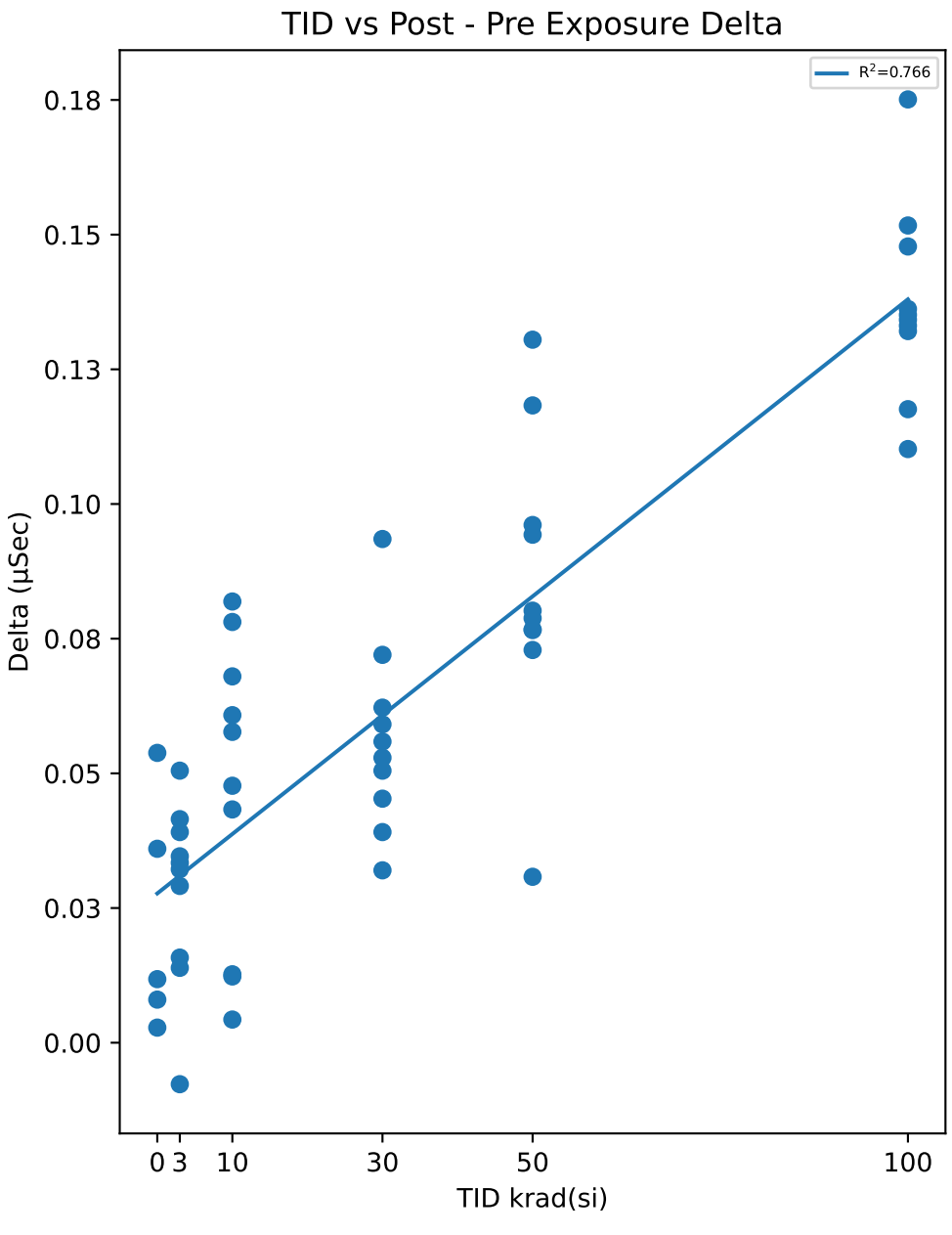
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.1422	2.1575	0.0153
2	3	Biased	2.2316	2.2204	-0.0112
3	3	Biased	2.2009	2.1866	-0.0143
4	3	Biased	2.1319	2.1391	0.0072
5	3	Biased	2.1291	2.155	0.0259
6	3	Unbiased	2.155	2.1439	-0.0111
7	3	Unbiased	2.2062	2.2163	0.0101
8	3	Unbiased	2.1287	2.1132	-0.0155
9	3	Unbiased	2.1874	2.1607	-0.0267
10	3	Unbiased	2.1598	2.1653	0.0055
11	10	Biased	2.1154	2.1258	0.0104
12	10	Biased	2.1631	2.1623	-0.0008
13	10	Biased	2.1858	2.1823	-0.0035
14	10	Biased	2.1381	2.1559	0.0178
15	10	Biased	2.1386	2.1463	0.0077
16	10	Unbiased	2.1432	2.1684	0.0252
17	10	Unbiased	2.1733	2.1905	0.0172
18	10	Unbiased	2.1815	2.1905	0.009
19	10	Unbiased	2.0979	2.1405	0.0426
20	10	Unbiased	2.172	2.2022	0.0302
21	30	Biased	2.1354	2.1944	0.059
22	30	Biased	2.1292	2.145	0.0158
23	30	Biased	2.1838	2.2444	0.0606
24	30	Biased	2.1367	2.2003	0.0636
25	30	Biased	2.1465	2.2139	0.0674
26	30	Unbiased	2.1341	2.1619	0.0278
27	30	Unbiased	2.1629	2.1814	0.0185
28	30	Unbiased	2.1377	2.174	0.0363
29	30	Unbiased	2.1408	2.1644	0.0236
30	30	Unbiased	2.146	2.1679	0.0219
31	50	Biased	2.1689	2.2207	0.0518
32	50	Biased	2.1993	2.2428	0.0435
33	50	Biased	2.129	2.2195	0.0905
34	50	Biased	2.1794	2.2366	0.0572
35	50	Biased	2.1638	2.2134	0.0496
36	50	Unbiased	2.1494	2.1995	0.0501
37	50	Unbiased	2.1291	2.1873	0.0582
38	50	Unbiased	2.1152	2.2123	0.0971
39	50	Unbiased	2.159	2.2236	0.0646
40	50	Unbiased	2.1035	2.2089	0.1054
41	100	Biased	2.1255	2.2592	0.1337
42	100	Biased	2.1355	2.2654	0.1299
43	100	Biased	2.1222	2.2493	0.1271
44	100	Biased	2.193	2.2994	0.1064
45	100	Biased	2.1002	2.219	0.1188
46	100	Unbiased	2.1965	2.3273	0.1308
47	100	Unbiased	2.1983	2.2926	0.0943
48	100	Unbiased	2.1948	2.3161	0.1213
49	100	Unbiased	2.1209	2.2388	0.1179
50	100	Unbiased	2.1295	2.2283	0.0988
51	0	Correlation	2.1439	2.1589	0.015
52	0	Correlation	2.1778	2.222	0.0442
53	0	Correlation	2.1387	2.1618	0.0231
54	0	Correlation	2.1504	2.1843	0.0339
55	0	Correlation	2.141	2.1544	0.0134

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	2.1387	2.1504	2.1778	0.015955	2.1544	2.1763	2.222	0.028041	0.0134	0.02592	0.0442	0.013056
3	2.1287	2.1673	2.2316	0.036849	2.1132	2.1658	2.2204	0.033558	-0.0267	-0.00148	0.0259	0.016578
10	2.0979	2.1509	2.1858	0.029238	2.1258	2.1665	2.2022	0.024833	-0.0035	0.01558	0.0426	0.014175
30	2.1292	2.1453	2.1838	0.016427	2.145	2.1848	2.2444	0.029192	0.0158	0.03945	0.0674	0.020809
50	2.1035	2.1497	2.1993	0.030136	2.1873	2.2165	2.2428	0.016328	0.0435	0.0668	0.1054	0.022319
100	2.1002	2.1516	2.1983	0.038951	2.219	2.2695	2.3273	0.037507	0.0943	0.1179	0.1337	0.013788

Device Test: 5.12; PROPD_RESET





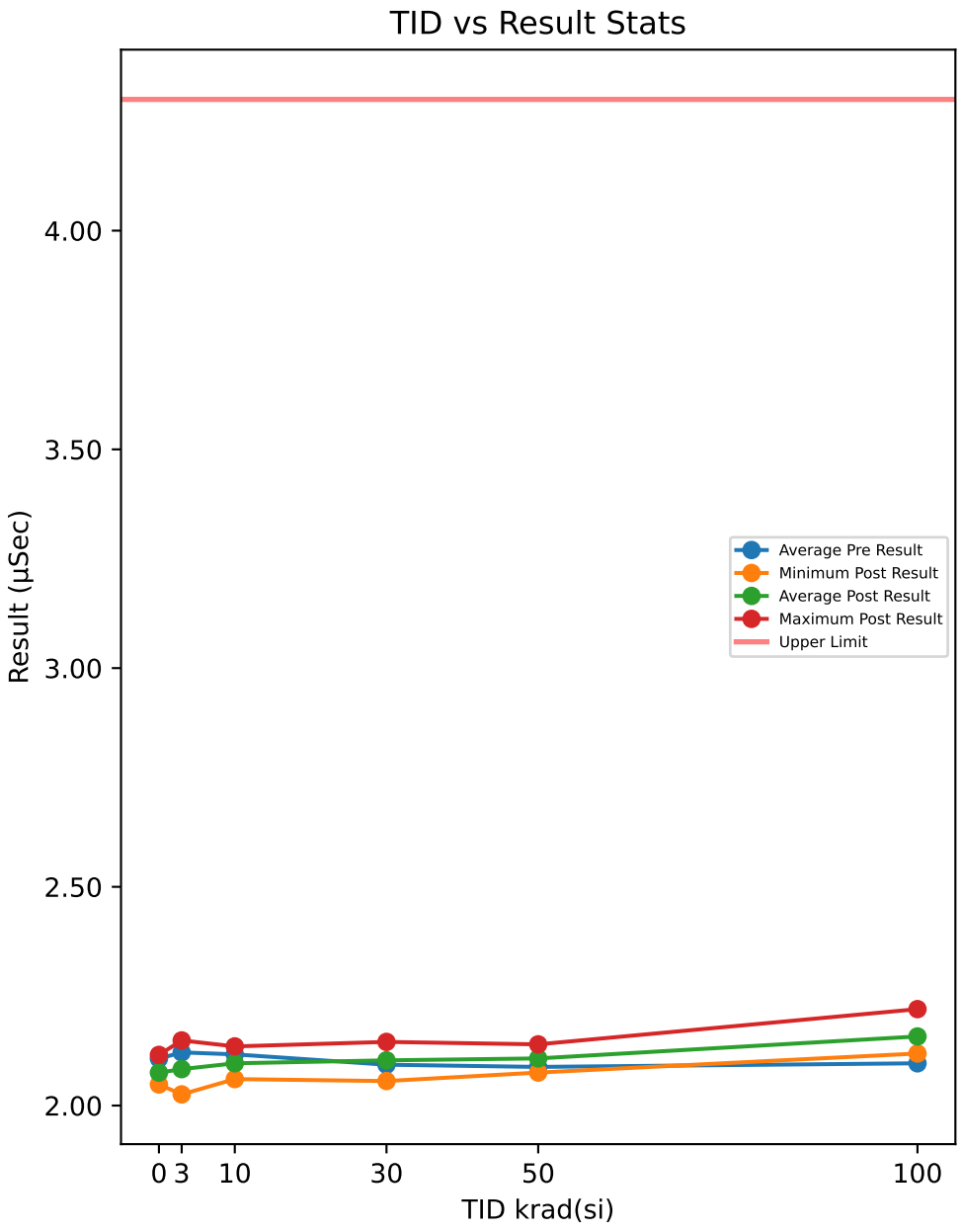
Test Results (Upper Limit = 4.3 (µSec))

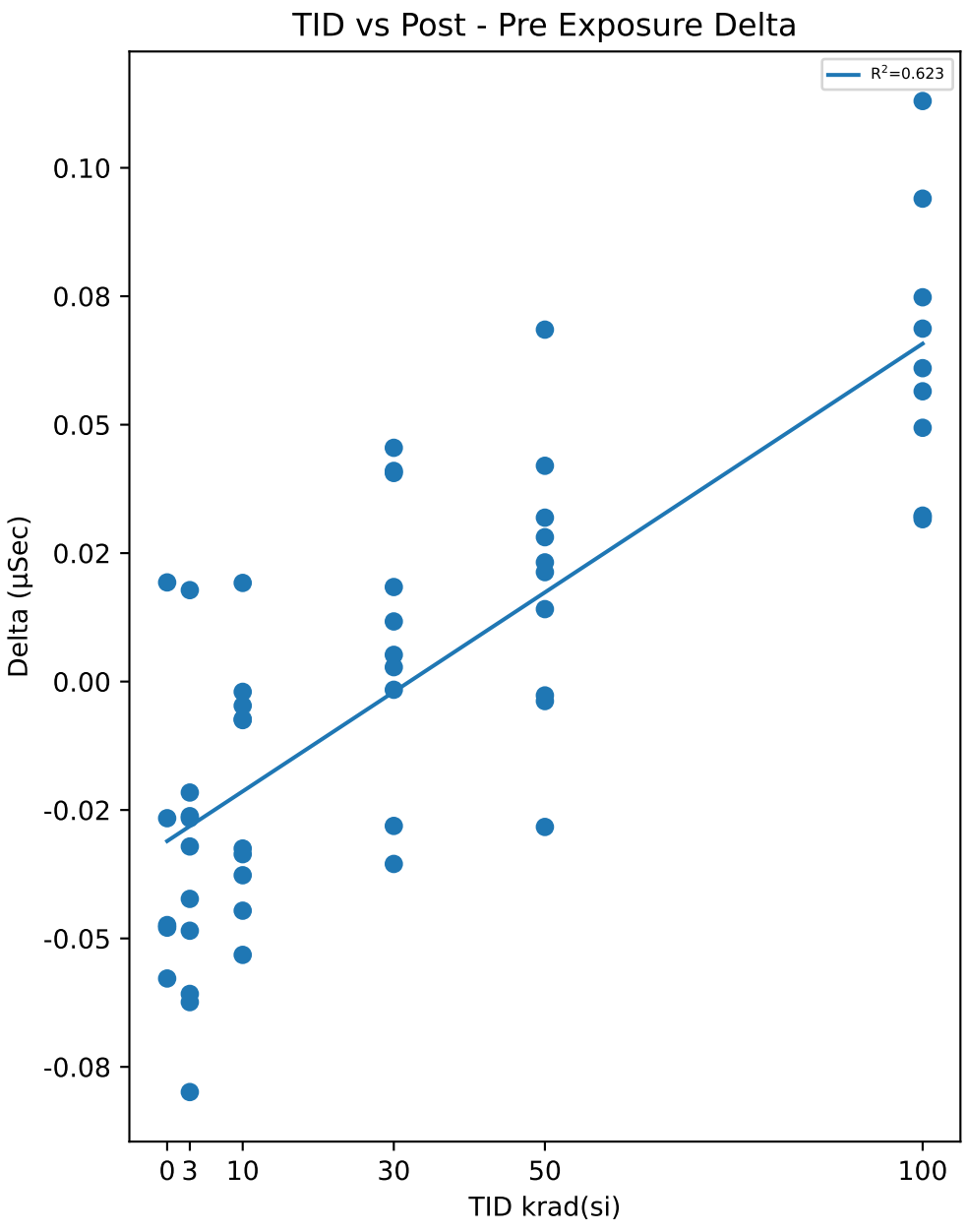
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.1237	2.1376	0.0139
2	3	Biased	2.1645	2.206	0.0415
3	3	Biased	2.1343	2.1848	0.0505
4	3	Biased	2.1269	2.1603	0.0334
5	3	Biased	2.0626	2.0972	0.0346
6	3	Unbiased	2.1008	2.1166	0.0158
7	3	Unbiased	2.162	2.2011	0.0391
8	3	Unbiased	2.083	2.1121	0.0291
9	3	Unbiased	2.1245	2.1567	0.0322
10	3	Unbiased	2.1494	2.1417	-0.0077
11	10	Biased	2.0538	2.1357	0.0819
12	10	Biased	2.1067	2.1194	0.0127
13	10	Biased	2.1309	2.1786	0.0477
14	10	Biased	2.051	2.119	0.068
15	10	Biased	2.0903	2.148	0.0577
16	10	Unbiased	2.1499	2.1542	0.0043
17	10	Unbiased	2.1347	2.1955	0.0608
18	10	Unbiased	2.1243	2.1676	0.0433
19	10	Unbiased	2.1229	2.1352	0.0123
20	10	Unbiased	2.1236	2.2017	0.0781
21	30	Biased	2.1124	2.1515	0.0391
22	30	Biased	2.0962	2.1491	0.0529
23	30	Biased	2.1511	2.2102	0.0591
24	30	Biased	2.0828	2.145	0.0622
25	30	Biased	2.1294	2.1853	0.0559
26	30	Unbiased	2.121	2.153	0.032
27	30	Unbiased	2.097	2.1475	0.0505
28	30	Unbiased	2.0813	2.1533	0.072
29	30	Unbiased	2.081	2.1745	0.0935
30	30	Unbiased	2.1076	2.1529	0.0453
31	50	Biased	2.1276	2.2005	0.0729
32	50	Biased	2.1432	2.174	0.0308
33	50	Biased	2.066	2.1427	0.0767
34	50	Biased	2.0771	2.2076	0.1305
35	50	Biased	2.1482	2.227	0.0788
36	50	Unbiased	2.0731	2.1533	0.0802
37	50	Unbiased	2.0866	2.2049	0.1183
38	50	Unbiased	2.1191	2.1957	0.0766
39	50	Unbiased	2.1023	2.1984	0.0961
40	50	Unbiased	2.0741	2.1684	0.0943
41	100	Biased	2.0656	2.2018	0.1362
42	100	Biased	2.0819	2.215	0.1331
43	100	Biased	2.1228	2.2579	0.1351
44	100	Biased	2.1598	2.294	0.1342
45	100	Biased	2.0816	2.1918	0.1102
46	100	Unbiased	2.1625	2.3376	0.1751
47	100	Unbiased	2.1489	2.2665	0.1176
48	100	Unbiased	2.1483	2.2804	0.1321
49	100	Unbiased	2.0611	2.2089	0.1478
50	100	Unbiased	2.0721	2.2238	0.1517
51	0	Correlation	2.1058	2.1138	0.008
52	0	Correlation	2.1677	2.2037	0.036
53	0	Correlation	2.1349	2.1377	0.0028
54	0	Correlation	2.1472	2.159	0.0118
55	0	Correlation	2.0908	2.1446	0.0538

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	2.0908	2.1293	2.1677	0.031068	2.1138	2.1518	2.2037	0.033317	0.0028	0.02248	0.0538	0.021649
3	2.0626	2.1232	2.1645	0.033043	2.0972	2.1514	2.206	0.037493	-0.0077	0.02824	0.0505	0.016749
10	2.051	2.1088	2.1499	0.033696	2.119	2.1555	2.2017	0.02965	0.0043	0.04668	0.0819	0.028182
30	2.081	2.106	2.1511	0.023095	2.145	2.1622	2.2102	0.02118	0.032	0.05625	0.0935	0.017403
50	2.066	2.1017	2.1482	0.030815	2.1427	2.1872	2.227	0.026552	0.0308	0.08552	0.1305	0.027226
100	2.0611	2.1105	2.1625	0.041864	2.1918	2.2478	2.3376	0.047293	0.1102	0.13731	0.1751	0.018041

Device Test: 5.13; PROPD_PWRGD





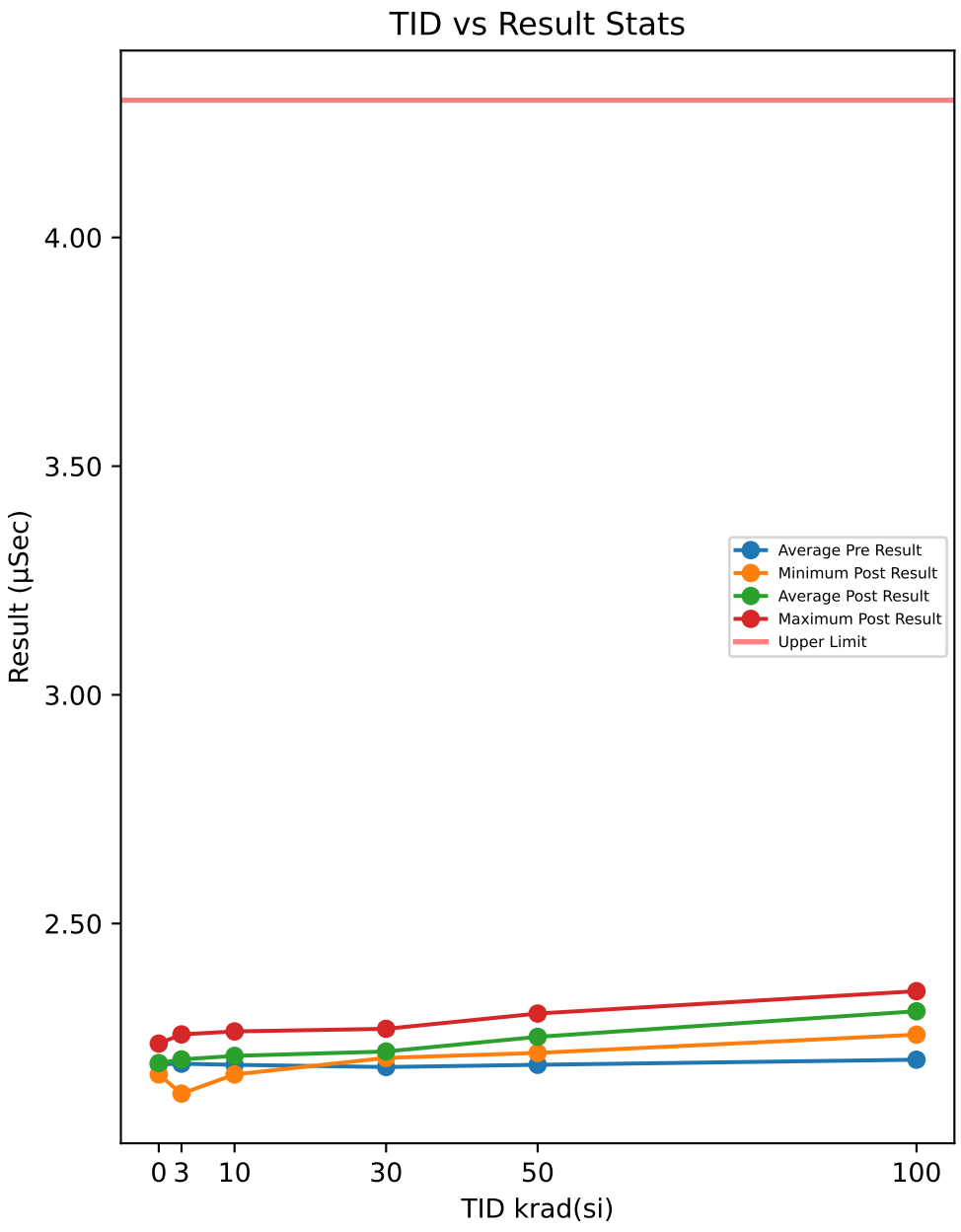
Test Results (Upper Limit = 4.3 (µSec))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.1247	2.0824	-0.0423
2	3	Biased	2.1303	2.1481	0.0178
3	3	Biased	2.1185	2.0919	-0.0266
4	3	Biased	2.1184	2.056	-0.0624
5	3	Biased	2.1054	2.0255	-0.0799
6	3	Unbiased	2.0786	2.0465	-0.0321
7	3	Unbiased	2.1751	2.1489	-0.0262
8	3	Unbiased	2.0738	2.0522	-0.0216
9	3	Unbiased	2.1149	2.0664	-0.0485
10	3	Unbiased	2.1755	2.1147	-0.0608
11	10	Biased	2.093	2.0605	-0.0325
12	10	Biased	2.105	2.0714	-0.0336
13	10	Biased	2.1427	2.1352	-0.0075
14	10	Biased	2.0804	2.0757	-0.0047
15	10	Biased	2.1238	2.0706	-0.0532
16	10	Unbiased	2.117	2.1097	-0.0073
17	10	Unbiased	2.1308	2.1288	-0.002
18	10	Unbiased	2.1431	2.0985	-0.0446
19	10	Unbiased	2.0758	2.095	0.0192
20	10	Unbiased	2.1584	2.1207	-0.0377
21	30	Biased	2.097	2.0954	-0.0016
22	30	Biased	2.0912	2.0631	-0.0281
23	30	Biased	2.1427	2.1455	0.0028
24	30	Biased	2.0915	2.056	-0.0355
25	30	Biased	2.1073	2.1125	0.0052
26	30	Unbiased	2.0602	2.1057	0.0455
27	30	Unbiased	2.1037	2.1154	0.0117
28	30	Unbiased	2.0889	2.1299	0.041
29	30	Unbiased	2.0593	2.0777	0.0184
30	30	Unbiased	2.0917	2.1323	0.0406
31	50	Biased	2.0945	2.1086	0.0141
32	50	Biased	2.1437	2.1399	-0.0038
33	50	Biased	2.035	2.1035	0.0685
34	50	Biased	2.1037	2.0754	-0.0283
35	50	Biased	2.1229	2.1202	-0.0027
36	50	Unbiased	2.083	2.1043	0.0213
37	50	Unbiased	2.079	2.121	0.042
38	50	Unbiased	2.0669	2.0901	0.0232
39	50	Unbiased	2.079	2.1109	0.0319
40	50	Unbiased	2.0755	2.1036	0.0281
41	100	Biased	2.104	2.1363	0.0323
42	100	Biased	2.077	2.1457	0.0687
43	100	Biased	2.0797	2.1291	0.0494
44	100	Biased	2.1397	2.1713	0.0316
45	100	Biased	2.0625	2.119	0.0565
46	100	Unbiased	2.0962	2.1902	0.094
47	100	Unbiased	2.1186	2.1507	0.0321
48	100	Unbiased	2.1456	2.2204	0.0748
49	100	Unbiased	2.0963	2.1573	0.061
50	100	Unbiased	2.0463	2.1593	0.113
51	0	Correlation	2.0774	2.0508	-0.0266
52	0	Correlation	2.1736	2.1158	-0.0578
53	0	Correlation	2.1154	2.0675	-0.0479
54	0	Correlation	2.0744	2.0937	0.0193
55	0	Correlation	2.0956	2.0482	-0.0474

Test Statistics (µSec)

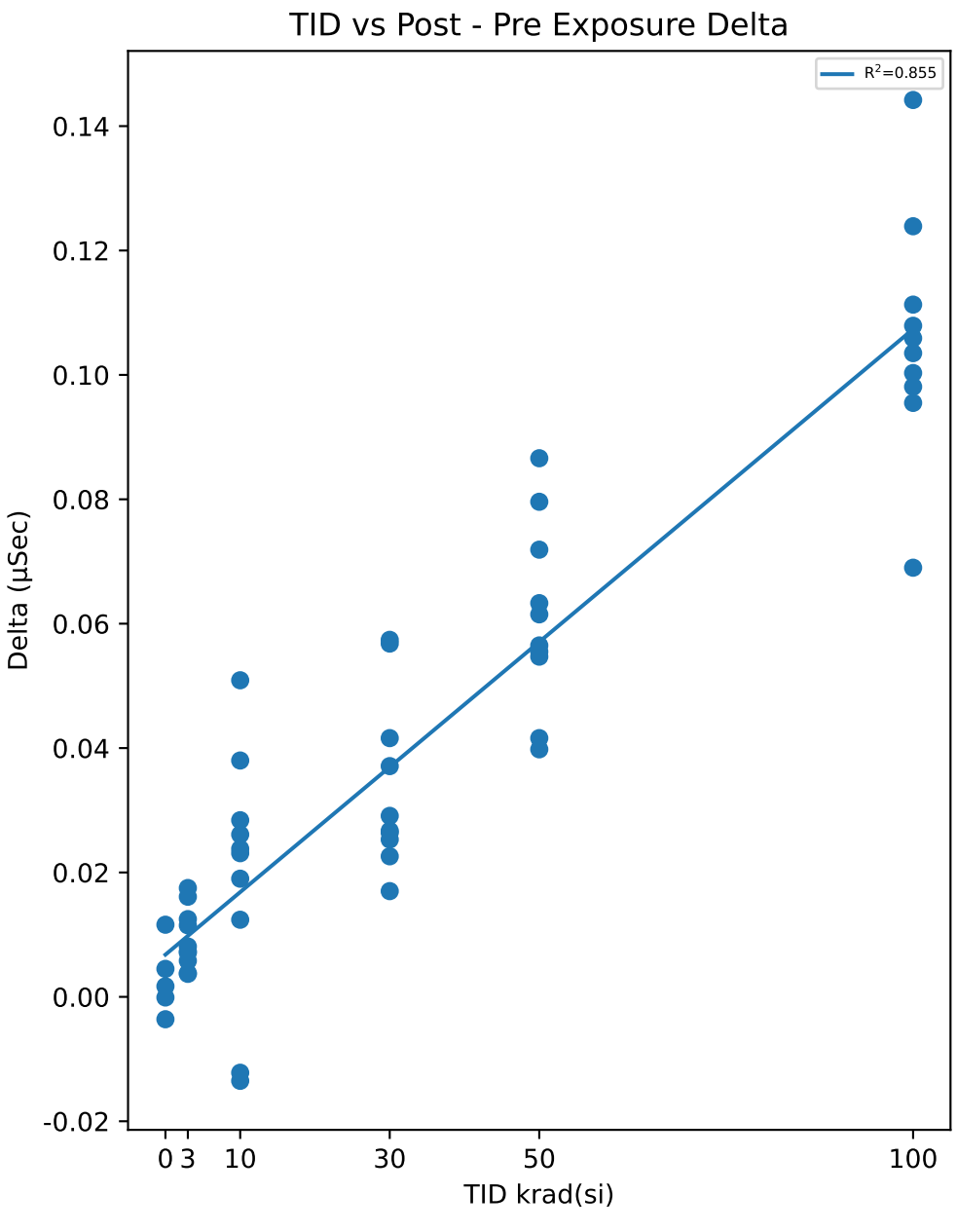
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.0744	2.1073	2.1736	0.040542	2.0482	2.0752	2.1158	0.029044	-0.0578	-0.03208	0.0193	0.030889
3	2.0738	2.1215	2.1755	0.033852	2.0255	2.0833	2.1489	0.0425	-0.0799	-0.03826	0.0178	0.027255
10	2.0758	2.117	2.1584	0.027987	2.0605	2.0966	2.1352	0.026534	-0.0532	-0.02039	0.0192	0.023028
30	2.0593	2.0934	2.1427	0.023663	2.056	2.1033	2.1455	0.030069	-0.0355	0.01	0.0455	0.027814
50	2.035	2.0883	2.1437	0.030195	2.0754	2.1078	2.1399	0.017575	-0.0283	0.01943	0.0685	0.026877
100	2.0463	2.0966	2.1456	0.031903	2.119	2.1579	2.2204	0.030076	0.0316	0.06134	0.113	0.027324

Device Test: 5.14; PROPD_RESET



Test Results (Upper Limit = 4.3 (µSec))

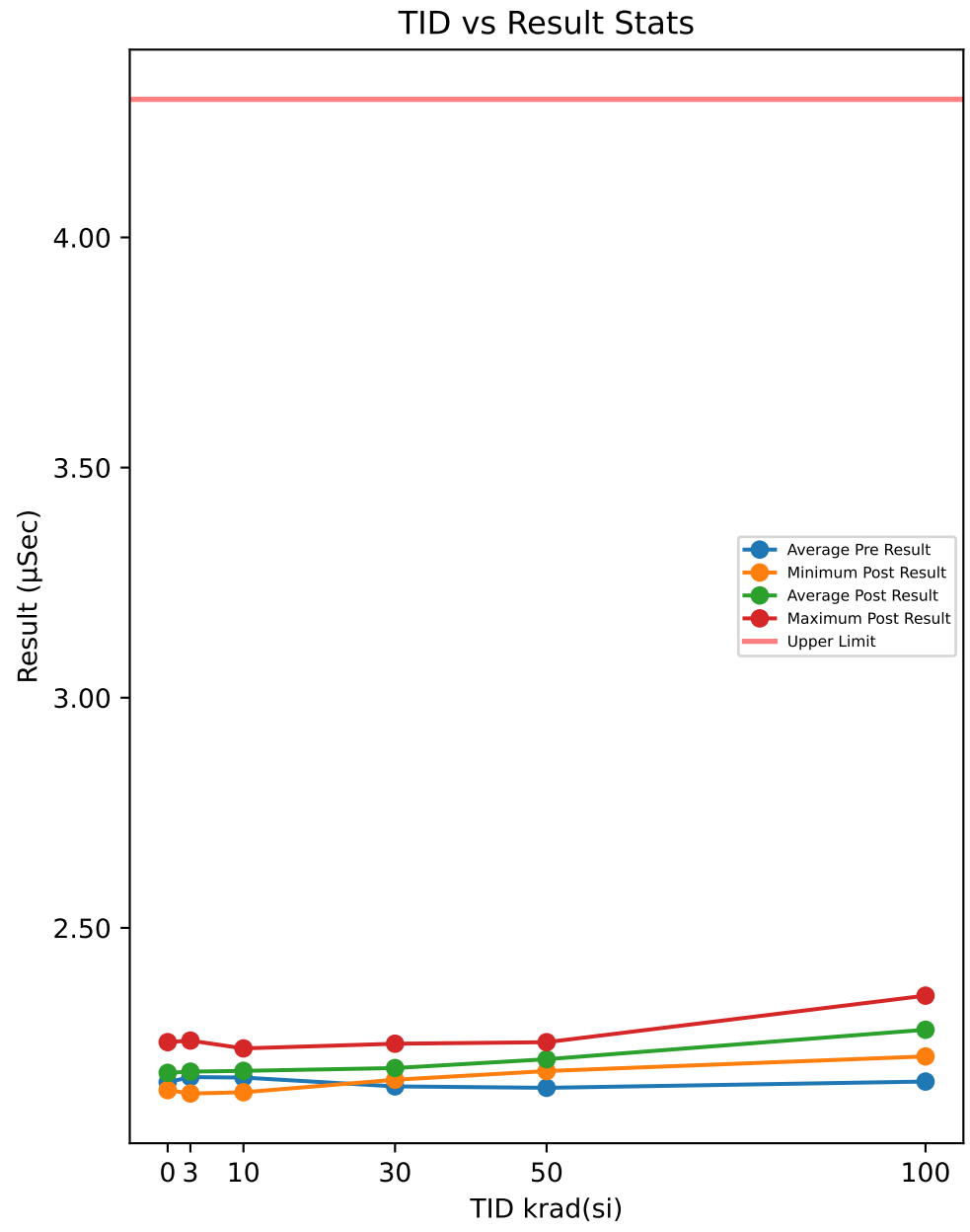
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.1781	2.1854	0.0073
2	3	Biased	2.2243	2.2418	0.0175
3	3	Biased	2.2231	2.2312	0.0081
4	3	Biased	2.1611	2.1772	0.0161
5	3	Biased	2.1244	2.1281	0.0037
6	3	Unbiased	2.1709	2.178	0.0071
7	3	Unbiased	2.2518	2.2576	0.0058
8	3	Unbiased	2.1744	2.1859	0.0115
9	3	Unbiased	2.219	2.2228	0.0038
10	3	Unbiased	2.2085	2.221	0.0125
11	10	Biased	2.1439	2.17	0.0261
12	10	Biased	2.1633	2.1864	0.0231
13	10	Biased	2.2017	2.2255	0.0238
14	10	Biased	2.177	2.1894	0.0124
15	10	Biased	2.1845	2.2035	0.019
16	10	Unbiased	2.2046	2.1911	-0.0135
17	10	Unbiased	2.184	2.2349	0.0509
18	10	Unbiased	2.2373	2.2251	-0.0122
19	10	Unbiased	2.1881	2.2165	0.0284
20	10	Unbiased	2.2261	2.2641	0.038
21	30	Biased	2.1932	2.2196	0.0264
22	30	Biased	2.1784	2.2155	0.0371
23	30	Biased	2.2431	2.2698	0.0267
24	30	Biased	2.1494	2.2062	0.0568
25	30	Biased	2.1973	2.2143	0.017
26	30	Unbiased	2.1701	2.2275	0.0574
27	30	Unbiased	2.1817	2.2108	0.0291
28	30	Unbiased	2.1981	2.2207	0.0226
29	30	Unbiased	2.1827	2.208	0.0253
30	30	Unbiased	2.1685	2.2101	0.0416
31	50	Biased	2.2265	2.2681	0.0416
32	50	Biased	2.2193	2.2758	0.0565
33	50	Biased	2.1616	2.2171	0.0555
34	50	Biased	2.2	2.2719	0.0719
35	50	Biased	2.2236	2.3032	0.0796
36	50	Unbiased	2.1913	2.2311	0.0398
37	50	Unbiased	2.187	2.2417	0.0547
38	50	Unbiased	2.1914	2.2547	0.0633
39	50	Unbiased	2.1492	2.2358	0.0866
40	50	Unbiased	2.1617	2.2232	0.0615
41	100	Biased	2.1797	2.2832	0.1035
42	100	Biased	2.1928	2.3007	0.1079
43	100	Biased	2.1981	2.322	0.1239
44	100	Biased	2.2319	2.3432	0.1113
45	100	Biased	2.1652	2.2655	0.1003
46	100	Unbiased	2.2462	2.3521	0.1059
47	100	Unbiased	2.2501	2.3191	0.069
48	100	Unbiased	2.2394	2.3375	0.0981
49	100	Unbiased	2.1579	2.3021	0.1442
50	100	Unbiased	2.1615	2.257	0.0955
51	0	Correlation	2.172	2.1836	0.0116
52	0	Correlation	2.2411	2.2375	-0.0036
53	0	Correlation	2.178	2.1779	-0.0001
54	0	Correlation	2.2038	2.2055	0.0017
55	0	Correlation	2.1656	2.1701	0.0045



Test Statistics (µSec)

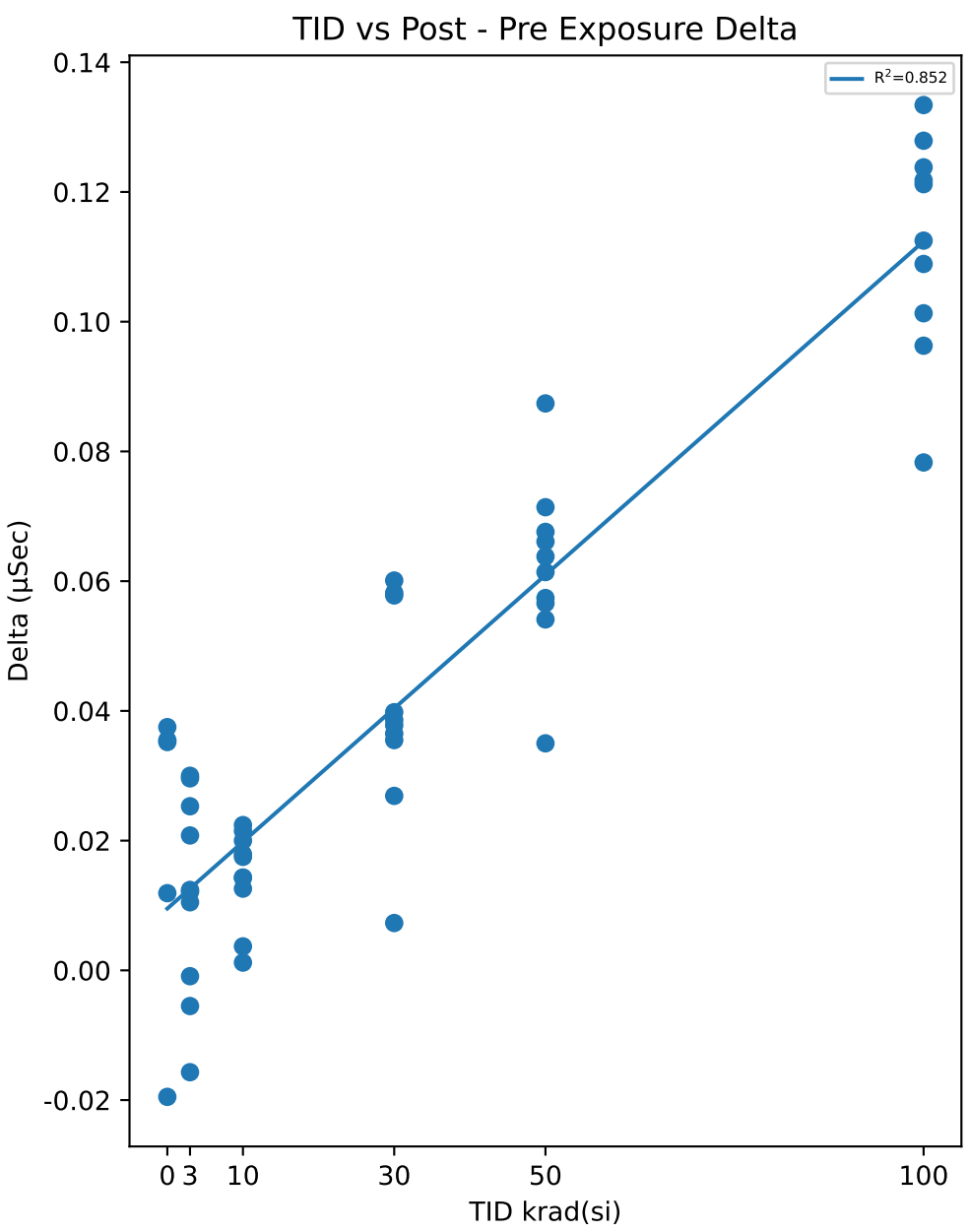
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.1656	2.1921	2.2411	0.030996	2.1701	2.1949	2.2375	0.027198	-0.0036	0.00282	0.0116	0.0057208
3	2.1244	2.1936	2.2518	0.038059	2.1281	2.2029	2.2576	0.038731	0.0037	0.00934	0.0175	0.0048612
10	2.1439	2.191	2.2373	0.027802	2.17	2.2107	2.2641	0.027956	-0.0135	0.0196	0.0509	0.020075
30	2.1494	2.1863	2.2431	0.024881	2.2062	2.2203	2.2698	0.018578	0.017	0.034	0.0574	0.014002
50	2.1492	2.1912	2.2265	0.027266	2.2171	2.2523	2.3032	0.02729	0.0398	0.0611	0.0866	0.015061
100	2.1579	2.2023	2.2501	0.03666	2.257	2.3082	2.3521	0.03246	0.069	0.10596	0.1442	0.019413

Device Test: 5.15; PROPD_RESET



Test Results (Upper Limit = 4.3 (µSec))

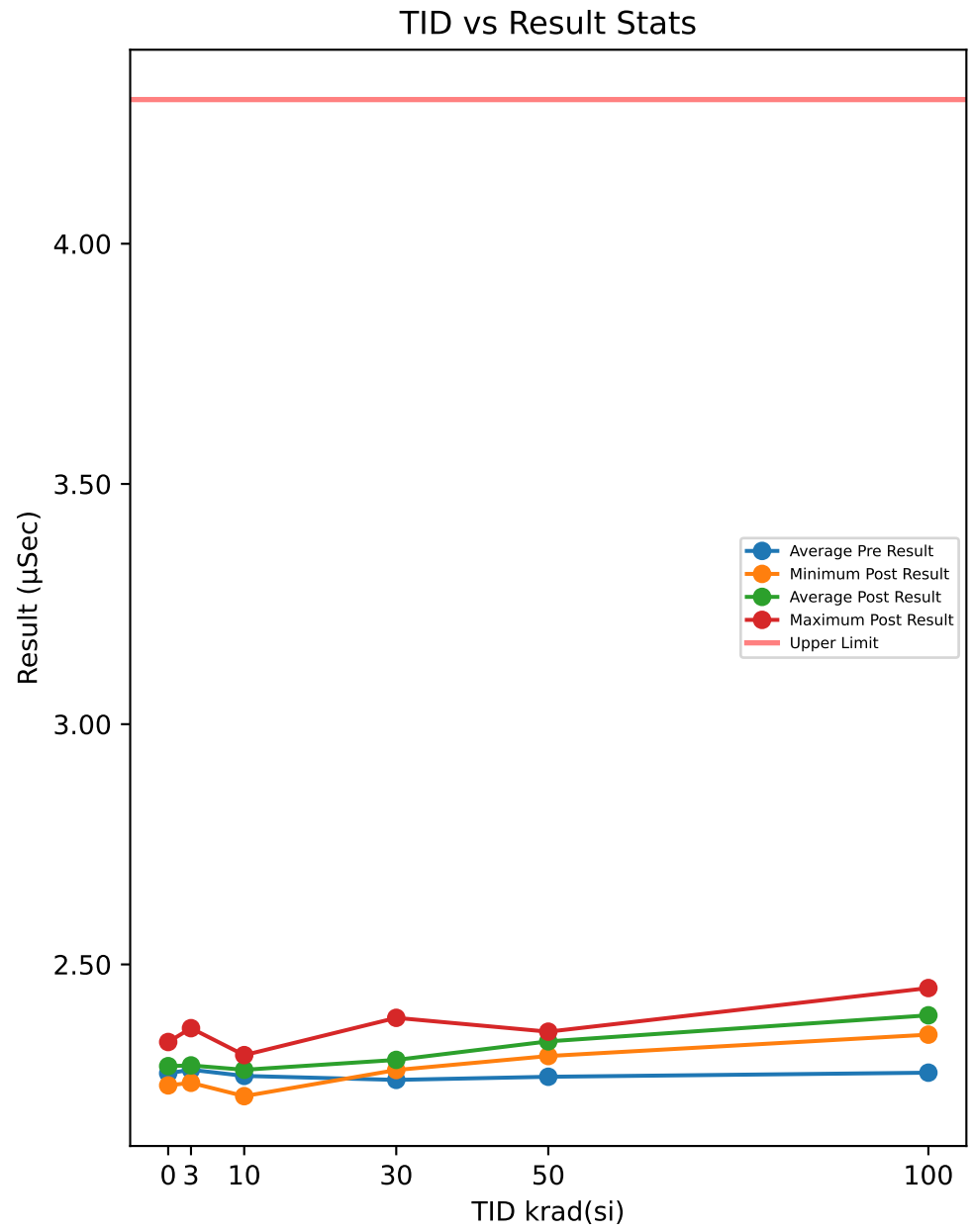
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.1937	2.178	-0.0157
2	3	Biased	2.2185	2.2306	0.0121
3	3	Biased	2.2	2.1945	-0.0055
4	3	Biased	2.141	2.1663	0.0253
5	3	Biased	2.1361	2.1485	0.0124
6	3	Unbiased	2.1445	2.1436	-0.0009
7	3	Unbiased	2.2343	2.2551	0.0208
8	3	Unbiased	2.1105	2.1401	0.0296
9	3	Unbiased	2.1825	2.2125	0.03
10	3	Unbiased	2.197	2.2075	0.0105
11	10	Biased	2.1213	2.1428	0.0215
12	10	Biased	2.1682	2.1882	0.02
13	10	Biased	2.1649	2.1873	0.0224
14	10	Biased	2.1422	2.1601	0.0179
15	10	Biased	2.1746	2.1758	0.0012
16	10	Unbiased	2.1771	2.1897	0.0126
17	10	Unbiased	2.2344	2.2381	0.0037
18	10	Unbiased	2.2066	2.2241	0.0175
19	10	Unbiased	2.1593	2.1736	0.0143
20	10	Unbiased	2.1993	2.2136	0.0143
21	30	Biased	2.1392	2.1993	0.0601
22	30	Biased	2.1616	2.1971	0.0355
23	30	Biased	2.2105	2.2483	0.0378
24	30	Biased	2.1302	2.17	0.0398
25	30	Biased	2.1652	2.2017	0.0365
26	30	Unbiased	2.125	2.1828	0.0578
27	30	Unbiased	2.1332	2.1914	0.0582
28	30	Unbiased	2.1496	2.1882	0.0386
29	30	Unbiased	2.1591	2.186	0.0269
30	30	Unbiased	2.1822	2.1895	0.0073
31	50	Biased	2.162	2.2234	0.0614
32	50	Biased	2.1809	2.235	0.0541
33	50	Biased	2.1213	2.1889	0.0676
34	50	Biased	2.1756	2.2106	0.035
35	50	Biased	2.1942	2.2516	0.0574
36	50	Unbiased	2.1198	2.2072	0.0874
37	50	Unbiased	2.1287	2.1925	0.0638
38	50	Unbiased	2.1516	2.223	0.0714
39	50	Unbiased	2.151	2.2076	0.0566
40	50	Unbiased	2.1398	2.2059	0.0661
41	100	Biased	2.1476	2.2694	0.1218
42	100	Biased	2.1288	2.2567	0.1279
43	100	Biased	2.15	2.2589	0.1089
44	100	Biased	2.1926	2.3051	0.1125
45	100	Biased	2.1244	2.2207	0.0963
46	100	Unbiased	2.2168	2.3181	0.1013
47	100	Unbiased	2.2092	2.2875	0.0783
48	100	Unbiased	2.2289	2.3527	0.1238
49	100	Unbiased	2.1503	2.2715	0.1212
50	100	Unbiased	2.1125	2.2459	0.1334
51	0	Correlation	2.1683	2.1488	-0.0195
52	0	Correlation	2.2165	2.2517	0.0352
53	0	Correlation	2.1356	2.1475	0.0119
54	0	Correlation	2.1745	2.21	0.0355
55	0	Correlation	2.1296	2.1671	0.0375

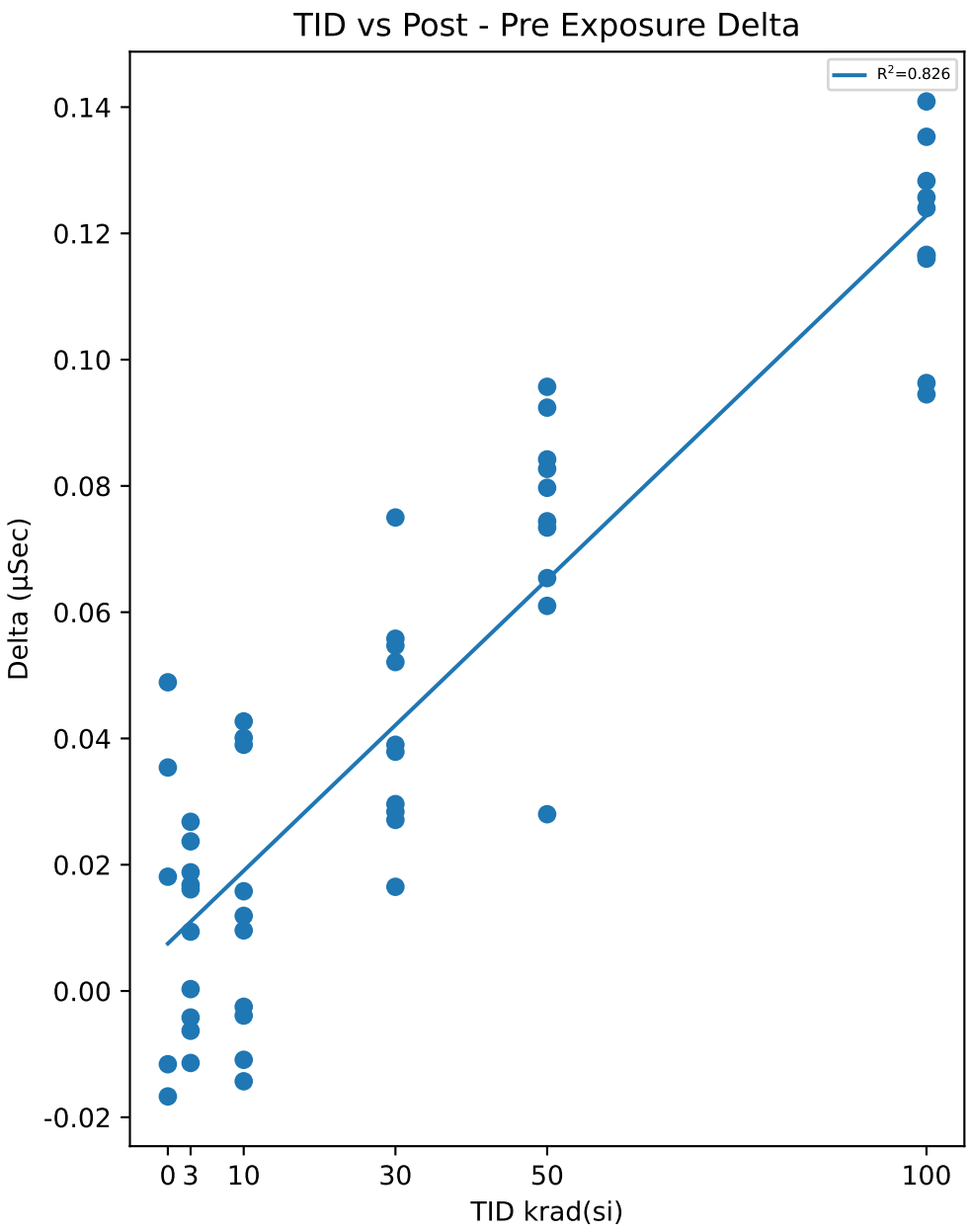


Test Statistics (µSec)

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	2.1296	2.1649	2.2165	0.034896	2.1475	2.185	2.2517	0.045031	-0.0195	0.02012	0.0375	0.024512
3	2.1105	2.1758	2.2343	0.040383	2.1401	2.1877	2.2551	0.039067	-0.0157	0.01186	0.03	0.015385
10	2.1213	2.1748	2.2344	0.032448	2.1428	2.1893	2.2381	0.02912	0.0012	0.01454	0.0224	0.0071447
30	2.125	2.1556	2.2105	0.026353	2.17	2.1954	2.2483	0.020686	0.0073	0.03985	0.0601	0.016097
50	2.1198	2.1525	2.1942	0.025697	2.1889	2.2146	2.2516	0.019083	0.035	0.06208	0.0874	0.013445
100	2.1125	2.1661	2.2289	0.042069	2.2207	2.2786	2.3527	0.03838	0.0783	0.11254	0.1334	0.016781

Device Test: 5.16; PROPD_RESET





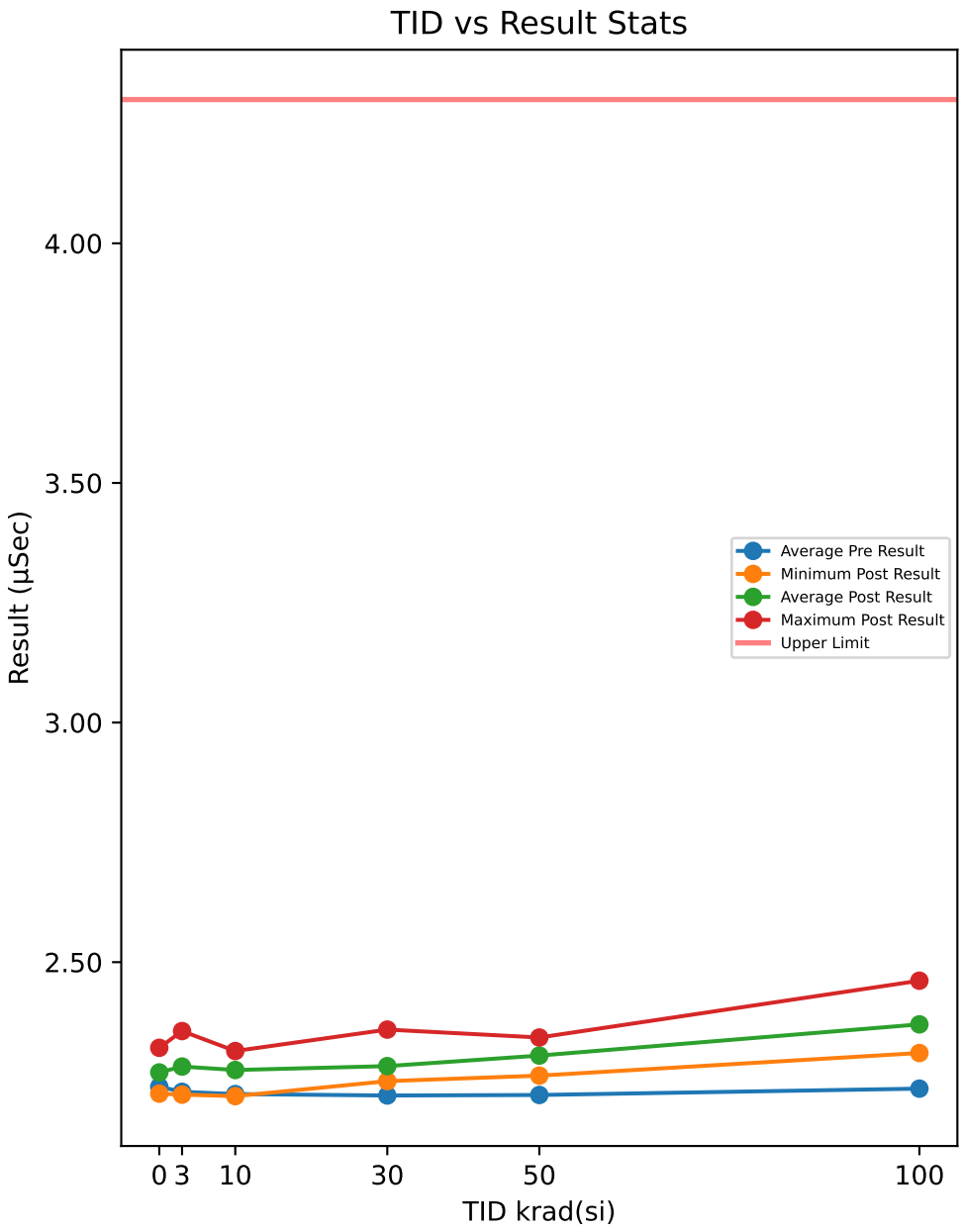
Test Results (Upper Limit = 4.3 (µSec))

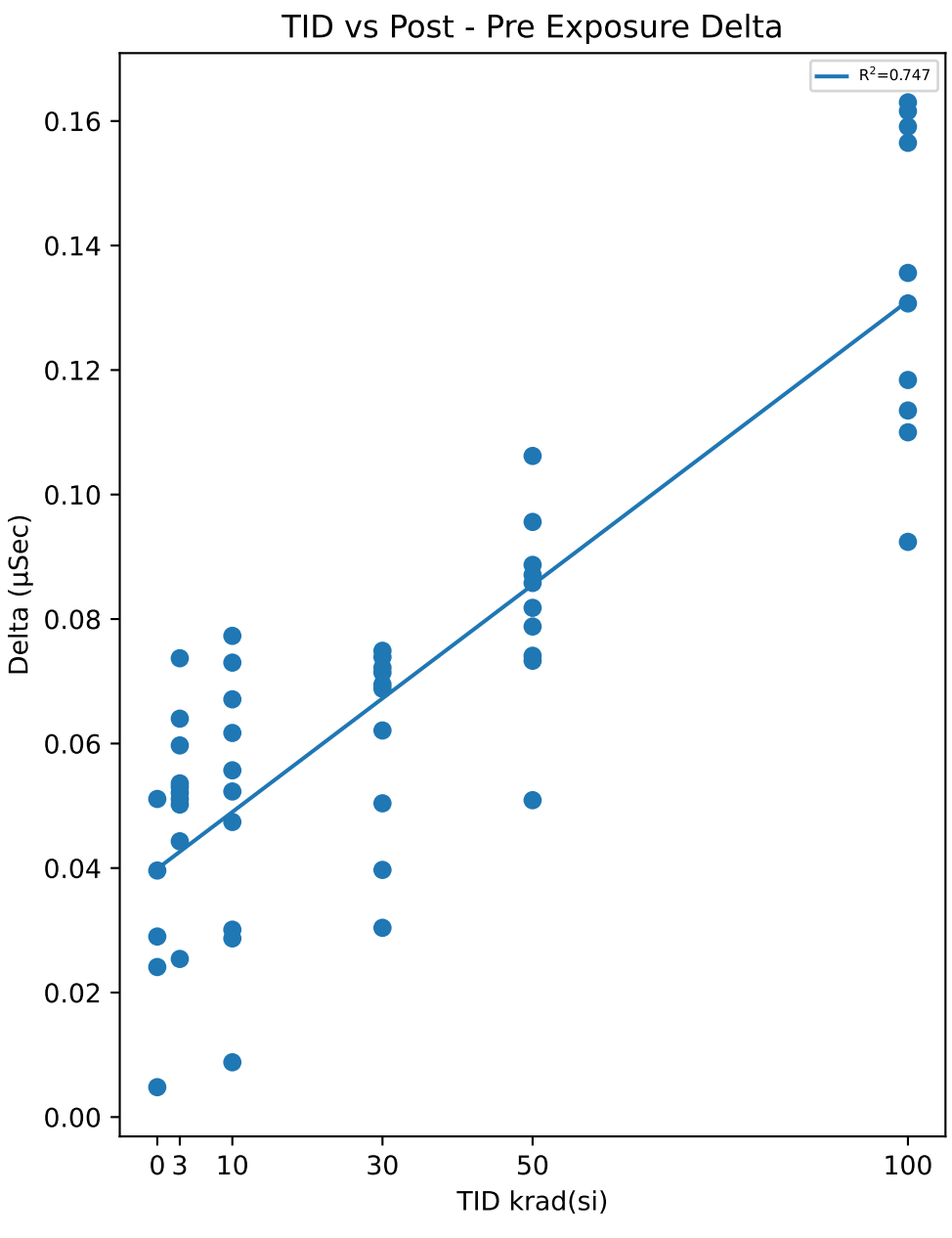
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.2516	2.261	0.0094
2	3	Biased	2.3505	2.3673	0.0168
3	3	Biased	2.2957	2.296	0.0003
4	3	Biased	2.2801	2.2759	-0.0042
5	3	Biased	2.2473	2.2661	0.0188
6	3	Unbiased	2.2375	2.2536	0.0161
7	3	Unbiased	2.324	2.3477	0.0237
8	3	Unbiased	2.2326	2.2594	0.0268
9	3	Unbiased	2.303	2.2916	-0.0114
10	3	Unbiased	2.2856	2.2793	-0.0063
11	10	Biased	2.2401	2.2258	-0.0143
12	10	Biased	2.2475	2.2865	0.039
13	10	Biased	2.2711	2.3112	0.0401
14	10	Biased	2.2383	2.281	0.0427
15	10	Biased	2.2361	2.248	0.0119
16	10	Unbiased	2.2748	2.2844	0.0096
17	10	Unbiased	2.3069	2.303	-0.0039
18	10	Unbiased	2.3108	2.2999	-0.0109
19	10	Unbiased	2.2412	2.257	0.0158
20	10	Unbiased	2.3125	2.31	-0.0025
21	30	Biased	2.2454	2.2844	0.039
22	30	Biased	2.2518	2.2802	0.0284
23	30	Biased	2.3138	2.3888	0.075
24	30	Biased	2.2433	2.298	0.0547
25	30	Biased	2.2729	2.3108	0.0379
26	30	Unbiased	2.2311	2.2869	0.0558
27	30	Unbiased	2.2611	2.2882	0.0271
28	30	Unbiased	2.2686	2.2851	0.0165
29	30	Unbiased	2.2597	2.2893	0.0296
30	30	Unbiased	2.2488	2.3009	0.0521
31	50	Biased	2.2774	2.3508	0.0734
32	50	Biased	2.3302	2.3582	0.028
33	50	Biased	2.2521	2.3318	0.0797
34	50	Biased	2.2946	2.36	0.0654
35	50	Biased	2.2507	2.3431	0.0924
36	50	Unbiased	2.2511	2.3353	0.0842
37	50	Unbiased	2.2483	2.3093	0.061
38	50	Unbiased	2.2448	2.3405	0.0957
39	50	Unbiased	2.2655	2.3399	0.0744
40	50	Unbiased	2.2467	2.3294	0.0827
41	100	Biased	2.2466	2.3819	0.1353
42	100	Biased	2.2281	2.3538	0.1257
43	100	Biased	2.2486	2.3651	0.1165
44	100	Biased	2.3125	2.4408	0.1283
45	100	Biased	2.2443	2.3683	0.124
46	100	Unbiased	2.3088	2.4248	0.116
47	100	Unbiased	2.3397	2.436	0.0963
48	100	Unbiased	2.3099	2.4508	0.1409
49	100	Unbiased	2.2604	2.3549	0.0945
50	100	Unbiased	2.2476	2.3642	0.1166
51	0	Correlation	2.2813	2.2697	-0.0116
52	0	Correlation	2.3031	2.3385	0.0354
53	0	Correlation	2.2391	2.288	0.0489
54	0	Correlation	2.2787	2.2968	0.0181
55	0	Correlation	2.2649	2.2482	-0.0167

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	2.2391	2.2734	2.3031	0.023565	2.2482	2.2882	2.3385	0.033713	-0.0167	0.01482	0.0489	0.028667
3	2.2326	2.2808	2.3505	0.038924	2.2536	2.2898	2.3673	0.038485	-0.0114	0.009	0.0268	0.013501
10	2.2361	2.2679	2.3125	0.031968	2.2258	2.2807	2.3112	0.028572	-0.0143	0.01275	0.0427	0.021486
30	2.2311	2.2596	2.3138	0.022742	2.2802	2.3013	2.3888	0.0321	0.0165	0.04161	0.075	0.017569
50	2.2448	2.2661	2.3302	0.027597	2.3093	2.3398	2.36	0.014913	0.028	0.07369	0.0957	0.01938
100	2.2281	2.2747	2.3397	0.038817	2.3538	2.3941	2.4508	0.039164	0.0945	0.11941	0.1409	0.015043

Device Test: 5.17; PROPD_RESET





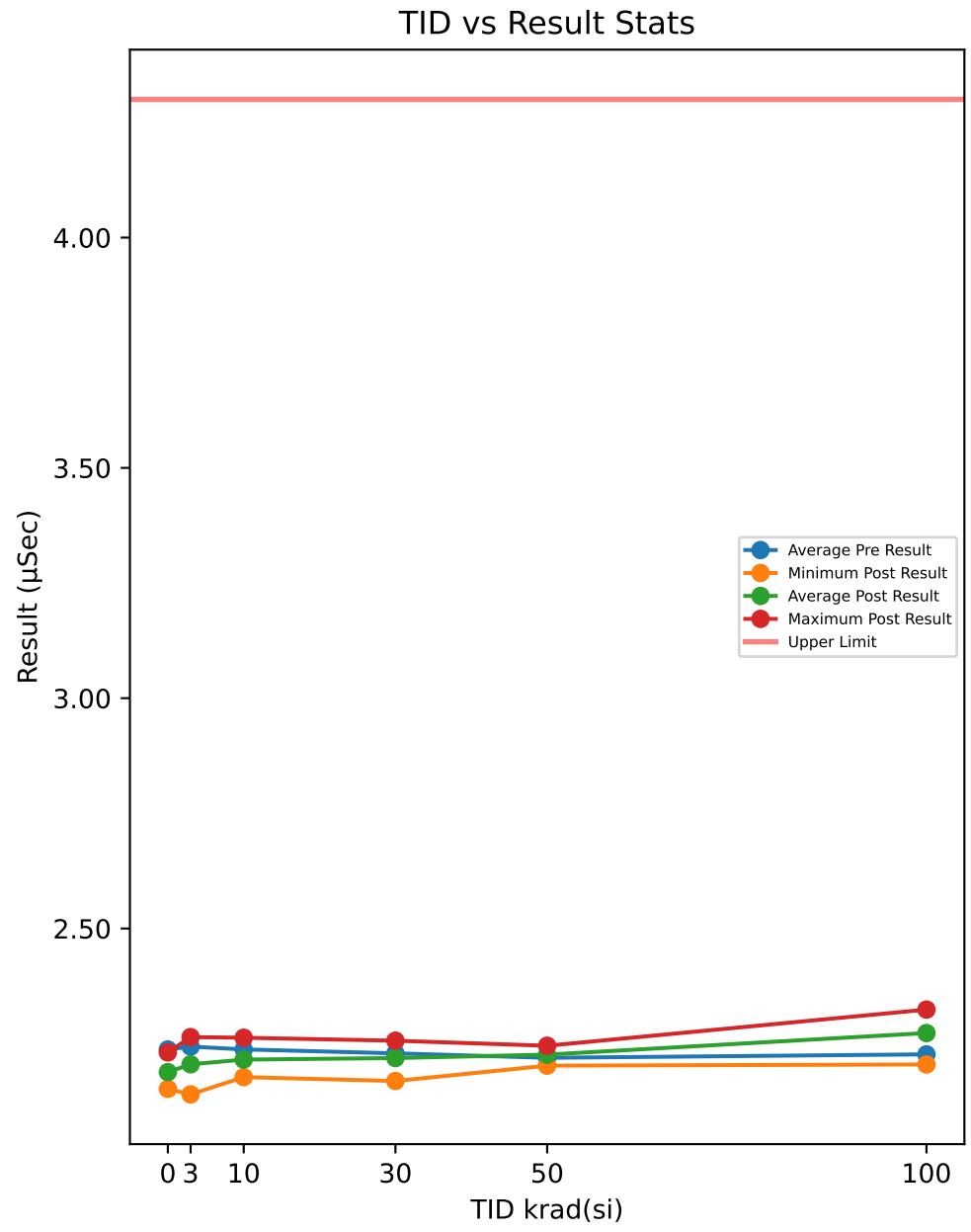
Test Results (Upper Limit = 4.3 (µSec))

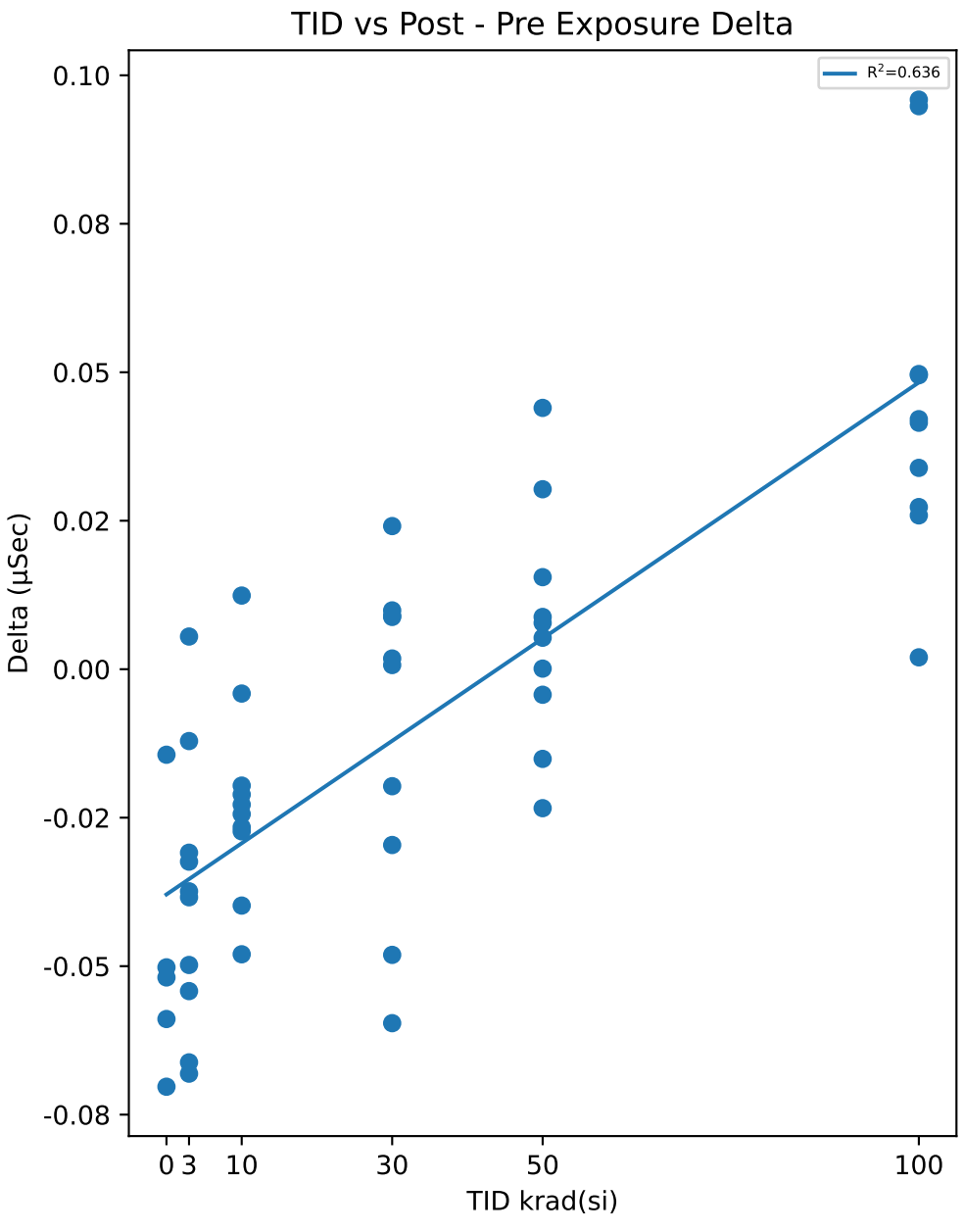
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.2098	2.2695	0.0597
2	3	Biased	2.3	2.3254	0.0254
3	3	Biased	2.2468	2.2911	0.0443
4	3	Biased	2.1947	2.2587	0.064
5	3	Biased	2.1706	2.2236	0.053
6	3	Unbiased	2.2029	2.255	0.0521
7	3	Unbiased	2.2825	2.3562	0.0737
8	3	Unbiased	2.2101	2.2637	0.0536
9	3	Unbiased	2.2323	2.2834	0.0511
10	3	Unbiased	2.2449	2.2951	0.0502
11	10	Biased	2.2116	2.2204	0.0088
12	10	Biased	2.1883	2.2656	0.0773
13	10	Biased	2.2107	2.2837	0.073
14	10	Biased	2.1776	2.2393	0.0617
15	10	Biased	2.1969	2.2492	0.0523
16	10	Unbiased	2.2297	2.2968	0.0671
17	10	Unbiased	2.2845	2.3146	0.0301
18	10	Unbiased	2.2734	2.3021	0.0287
19	10	Unbiased	2.2161	2.2718	0.0557
20	10	Unbiased	2.2587	2.3061	0.0474
21	30	Biased	2.2325	2.2629	0.0304
22	30	Biased	2.2235	2.2632	0.0397
23	30	Biased	2.2844	2.3593	0.0749
24	30	Biased	2.1829	2.2517	0.0688
25	30	Biased	2.2336	2.2957	0.0621
26	30	Unbiased	2.233	2.3069	0.0739
27	30	Unbiased	2.2197	2.2701	0.0504
28	30	Unbiased	2.2072	2.2794	0.0722
29	30	Unbiased	2.2076	2.279	0.0714
30	30	Unbiased	2.1934	2.2629	0.0695
31	50	Biased	2.2463	2.3251	0.0788
32	50	Biased	2.2374	2.333	0.0956
33	50	Biased	2.2123	2.2632	0.0509
34	50	Biased	2.2422	2.3293	0.0871
35	50	Biased	2.2541	2.3428	0.0887
36	50	Unbiased	2.1961	2.2694	0.0733
37	50	Unbiased	2.2179	2.292	0.0741
38	50	Unbiased	2.2059	2.2877	0.0818
39	50	Unbiased	2.2224	2.3082	0.0858
40	50	Unbiased	2.1938	2.3	0.1062
41	100	Biased	2.2152	2.3287	0.1135
42	100	Biased	2.218	2.3104	0.0924
43	100	Biased	2.2422	2.3606	0.1184
44	100	Biased	2.2919	2.4019	0.11
45	100	Biased	2.1944	2.3251	0.1307
46	100	Unbiased	2.2997	2.4613	0.1616
47	100	Unbiased	2.2504	2.4095	0.1591
48	100	Unbiased	2.2599	2.4229	0.163
49	100	Unbiased	2.1804	2.3369	0.1565
50	100	Unbiased	2.2088	2.3444	0.1356
51	0	Correlation	2.2131	2.2421	0.029
52	0	Correlation	2.2702	2.3213	0.0511
53	0	Correlation	2.2208	2.2256	0.0048
54	0	Correlation	2.257	2.2811	0.0241
55	0	Correlation	2.2398	2.2794	0.0396

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	2.2131	2.2402	2.2702	0.023944	2.2256	2.2699	2.3213	0.037393	0.0048	0.02972	0.0511	0.017377
3	2.1706	2.2295	2.3	0.040105	2.2236	2.2822	2.3562	0.03774	0.0254	0.05271	0.0737	0.012665
10	2.1776	2.2247	2.2845	0.036342	2.2204	2.275	2.3146	0.031341	0.0088	0.05021	0.0773	0.021845
30	2.1829	2.2218	2.2844	0.027968	2.2517	2.2831	2.3593	0.031498	0.0304	0.06133	0.0749	0.015737
50	2.1938	2.2228	2.2541	0.021332	2.2632	2.3051	2.3428	0.027336	0.0509	0.08223	0.1062	0.014799
100	2.1804	2.2361	2.2997	0.039886	2.3104	2.3702	2.4613	0.05036	0.0924	0.13408	0.163	0.025216

Device Test: 5.18; PROPD_PWRGD





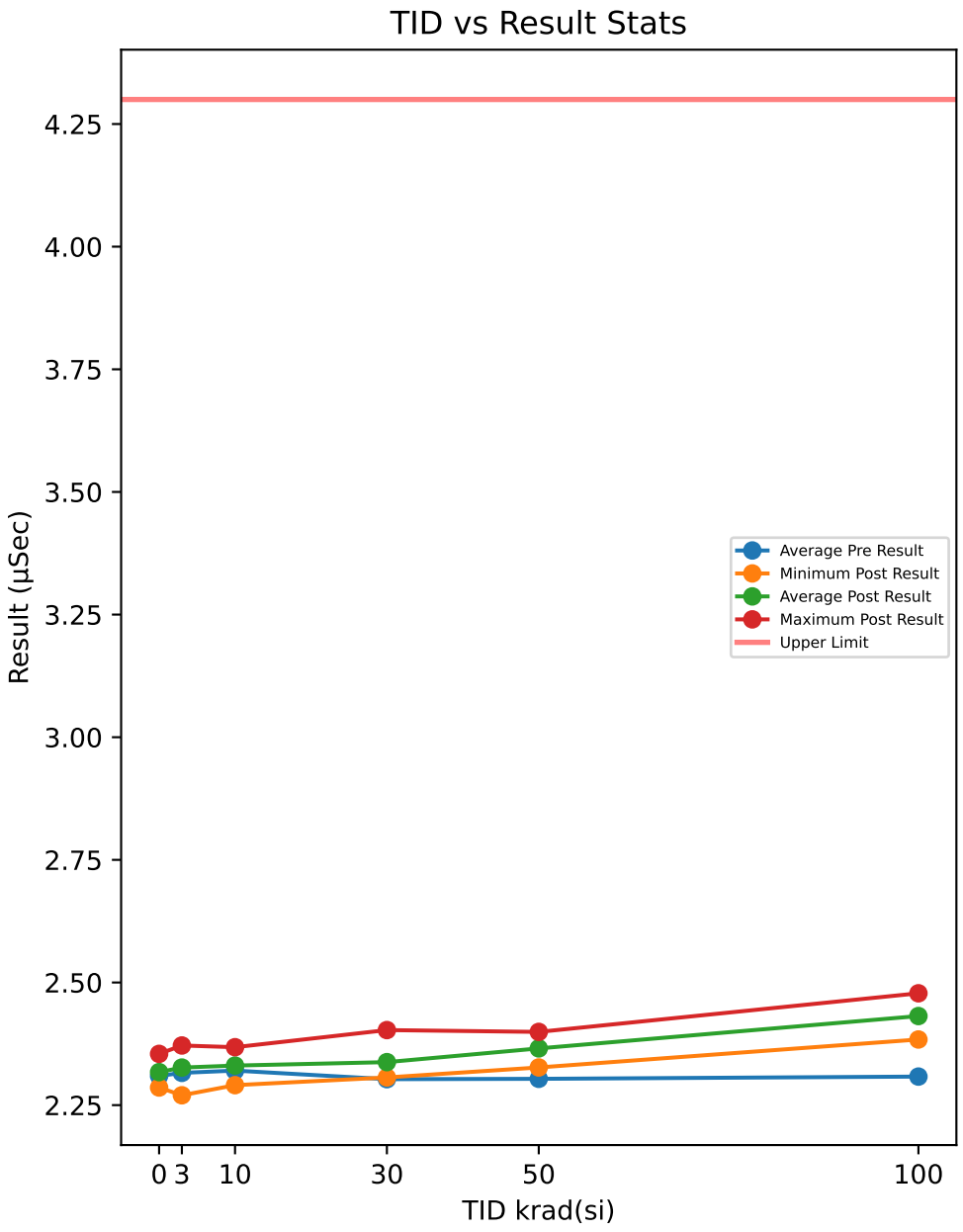
Test Results (Upper Limit = 4.3 (µSec))

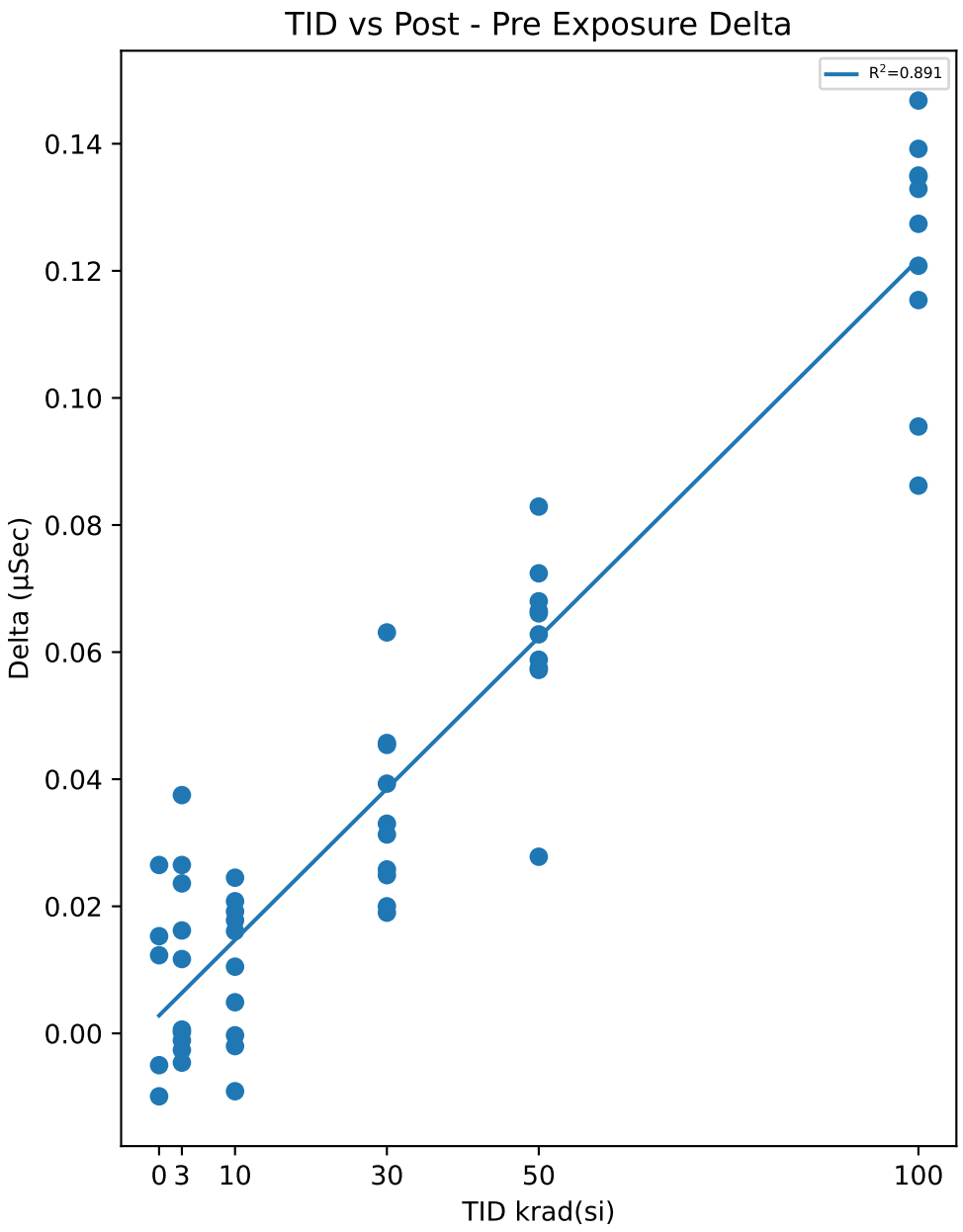
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.2009	2.2064	0.0055
2	3	Biased	2.2711	2.259	-0.0121
3	3	Biased	2.2508	2.2199	-0.0309
4	3	Biased	2.2153	2.1655	-0.0498
5	3	Biased	2.2116	2.1454	-0.0662
6	3	Unbiased	2.2079	2.1398	-0.0681
7	3	Unbiased	2.3021	2.2637	-0.0384
8	3	Unbiased	2.253	2.1988	-0.0542
9	3	Unbiased	2.2262	2.1888	-0.0374
10	3	Unbiased	2.2966	2.2642	-0.0324
11	10	Biased	2.2017	2.1773	-0.0244
12	10	Biased	2.2265	2.2224	-0.0041
13	10	Biased	2.2444	2.2568	0.0124
14	10	Biased	2.198	2.1784	-0.0196
15	10	Biased	2.2347	2.2119	-0.0228
16	10	Unbiased	2.2681	2.2283	-0.0398
17	10	Unbiased	2.2894	2.2628	-0.0266
18	10	Unbiased	2.2587	2.2107	-0.048
19	10	Unbiased	2.2173	2.1962	-0.0211
20	10	Unbiased	2.2361	2.2088	-0.0273
21	30	Biased	2.2078	2.2085	0.0007
22	30	Biased	2.1985	2.1689	-0.0296
23	30	Biased	2.297	2.2489	-0.0481
24	30	Biased	2.2121	2.1924	-0.0197
25	30	Biased	2.2393	2.1797	-0.0596
26	30	Unbiased	2.2215	2.2233	0.0018
27	30	Unbiased	2.2382	2.2472	0.009
28	30	Unbiased	2.2143	2.2231	0.0088
29	30	Unbiased	2.2144	2.2385	0.0241
30	30	Unbiased	2.2465	2.2564	0.0099
31	50	Biased	2.2126	2.2429	0.0303
32	50	Biased	2.2605	2.2454	-0.0151
33	50	Biased	2.1999	2.2087	0.0088
34	50	Biased	2.2388	2.2345	-0.0043
35	50	Biased	2.2592	2.2358	-0.0234
36	50	Unbiased	2.1957	2.2035	0.0078
37	50	Unbiased	2.2186	2.2239	0.0053
38	50	Unbiased	2.1852	2.2292	0.044
39	50	Unbiased	2.2197	2.2352	0.0155
40	50	Unbiased	2.2021	2.2022	0.0001
41	100	Biased	2.2088	2.3036	0.0948
42	100	Biased	2.1901	2.2316	0.0415
43	100	Biased	2.2047	2.2468	0.0421
44	100	Biased	2.286	2.3133	0.0273
45	100	Biased	2.2028	2.2048	0.002
46	100	Unbiased	2.2722	2.2981	0.0259
47	100	Unbiased	2.2545	2.304	0.0495
48	100	Unbiased	2.2742	2.3239	0.0497
49	100	Unbiased	2.2009	2.2348	0.0339
50	100	Unbiased	2.173	2.2689	0.0959
51	0	Correlation	2.2221	2.1518	-0.0703
52	0	Correlation	2.2811	2.2309	-0.0502
53	0	Correlation	2.2197	2.1608	-0.0589
54	0	Correlation	2.2399	2.2255	-0.0144
55	0	Correlation	2.2238	2.1719	-0.0519

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	2.2197	2.2373	2.2811	0.025731	2.1518	2.1882	2.2309	0.037269	-0.0703	-0.04914	-0.0144	0.020968
3	2.2009	2.2435	2.3021	0.037048	2.1398	2.2052	2.2642	0.04685	-0.0681	-0.0384	0.0055	0.022965
10	2.198	2.2375	2.2894	0.028882	2.1773	2.2154	2.2628	0.028758	-0.048	-0.02213	0.0124	0.016861
30	2.1985	2.229	2.297	0.028425	2.1689	2.2187	2.2564	0.030505	-0.0596	-0.01027	0.0241	0.027721
50	2.1852	2.2192	2.2605	0.026049	2.2022	2.2261	2.2454	0.015991	-0.0234	0.0069	0.044	0.019941
100	2.173	2.2267	2.286	0.040662	2.2048	2.273	2.3239	0.041191	0.002	0.04626	0.0959	0.029379

Device Test: 5.19; PROPD_RESET





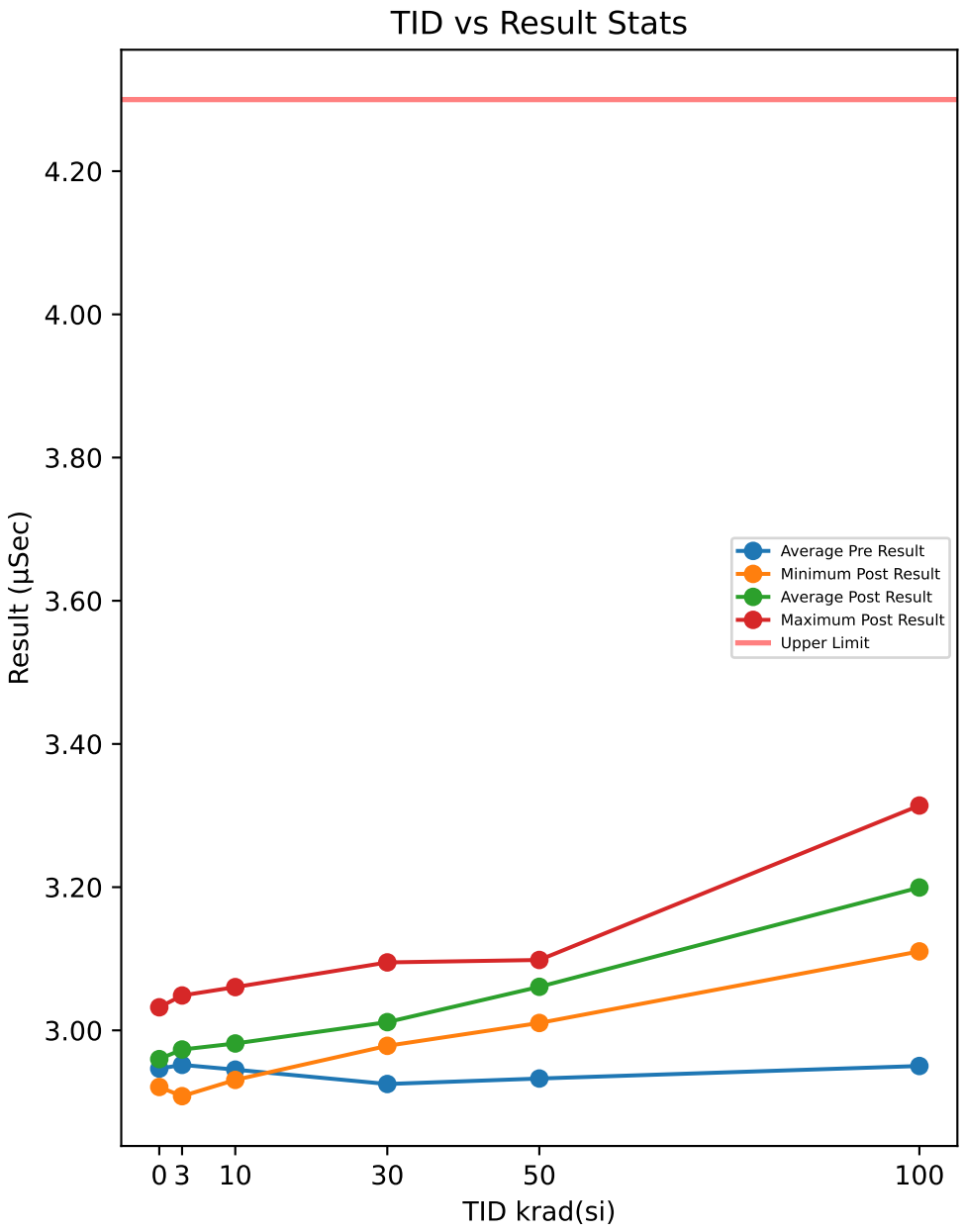
Test Results (Upper Limit = 4.3 (µSec))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.2617	2.2882	0.0265
2	3	Biased	2.3725	2.3699	-0.0026
3	3	Biased	2.346	2.3622	0.0162
4	3	Biased	2.3074	2.308	0.0006
5	3	Biased	2.2747	2.2701	-0.0046
6	3	Unbiased	2.2897	2.3133	0.0236
7	3	Unbiased	2.3714	2.3716	0.0002
8	3	Unbiased	2.2989	2.2978	-0.0011
9	3	Unbiased	2.3291	2.3408	0.0117
10	3	Unbiased	2.3064	2.3439	0.0375
11	10	Biased	2.291	2.2907	-0.0003
12	10	Biased	2.3084	2.3189	0.0105
13	10	Biased	2.336	2.3409	0.0049
14	10	Biased	2.3034	2.3279	0.0245
15	10	Biased	2.3071	2.3051	-0.002
16	10	Unbiased	2.3009	2.317	0.0161
17	10	Unbiased	2.3489	2.3681	0.0192
18	10	Unbiased	2.3436	2.3644	0.0208
19	10	Unbiased	2.3163	2.3072	-0.0091
20	10	Unbiased	2.3485	2.3663	0.0178
21	30	Biased	2.3012	2.3342	0.033
22	30	Biased	2.285	2.3304	0.0454
23	30	Biased	2.3772	2.403	0.0258
24	30	Biased	2.2751	2.3064	0.0313
25	30	Biased	2.3033	2.349	0.0457
26	30	Unbiased	2.3033	2.3426	0.0393
27	30	Unbiased	2.2641	2.3272	0.0631
28	30	Unbiased	2.314	2.3389	0.0249
29	30	Unbiased	2.3048	2.3248	0.02
30	30	Unbiased	2.3012	2.3202	0.019
31	50	Biased	2.3337	2.3912	0.0575
32	50	Biased	2.3581	2.3859	0.0278
33	50	Biased	2.2607	2.3268	0.0661
34	50	Biased	2.3306	2.3894	0.0588
35	50	Biased	2.3421	2.3993	0.0572
36	50	Unbiased	2.2829	2.3509	0.068
37	50	Unbiased	2.2923	2.3551	0.0628
38	50	Unbiased	2.2988	2.3817	0.0829
39	50	Unbiased	2.2807	2.3472	0.0665
40	50	Unbiased	2.2565	2.3289	0.0724
41	100	Biased	2.3067	2.4221	0.1154
42	100	Biased	2.2758	2.4106	0.1348
43	100	Biased	2.3023	2.4373	0.135
44	100	Biased	2.3406	2.4735	0.1329
45	100	Biased	2.263	2.3838	0.1208
46	100	Unbiased	2.3312	2.478	0.1468
47	100	Unbiased	2.3665	2.4527	0.0862
48	100	Unbiased	2.3423	2.4697	0.1274
49	100	Unbiased	2.2908	2.3863	0.0955
50	100	Unbiased	2.2627	2.4019	0.1392
51	0	Correlation	2.2958	2.2859	-0.0099
52	0	Correlation	2.3422	2.3545	0.0123
53	0	Correlation	2.2815	2.308	0.0265
54	0	Correlation	2.3196	2.3349	0.0153
55	0	Correlation	2.3083	2.3033	-0.005

Test Statistics (µSec)

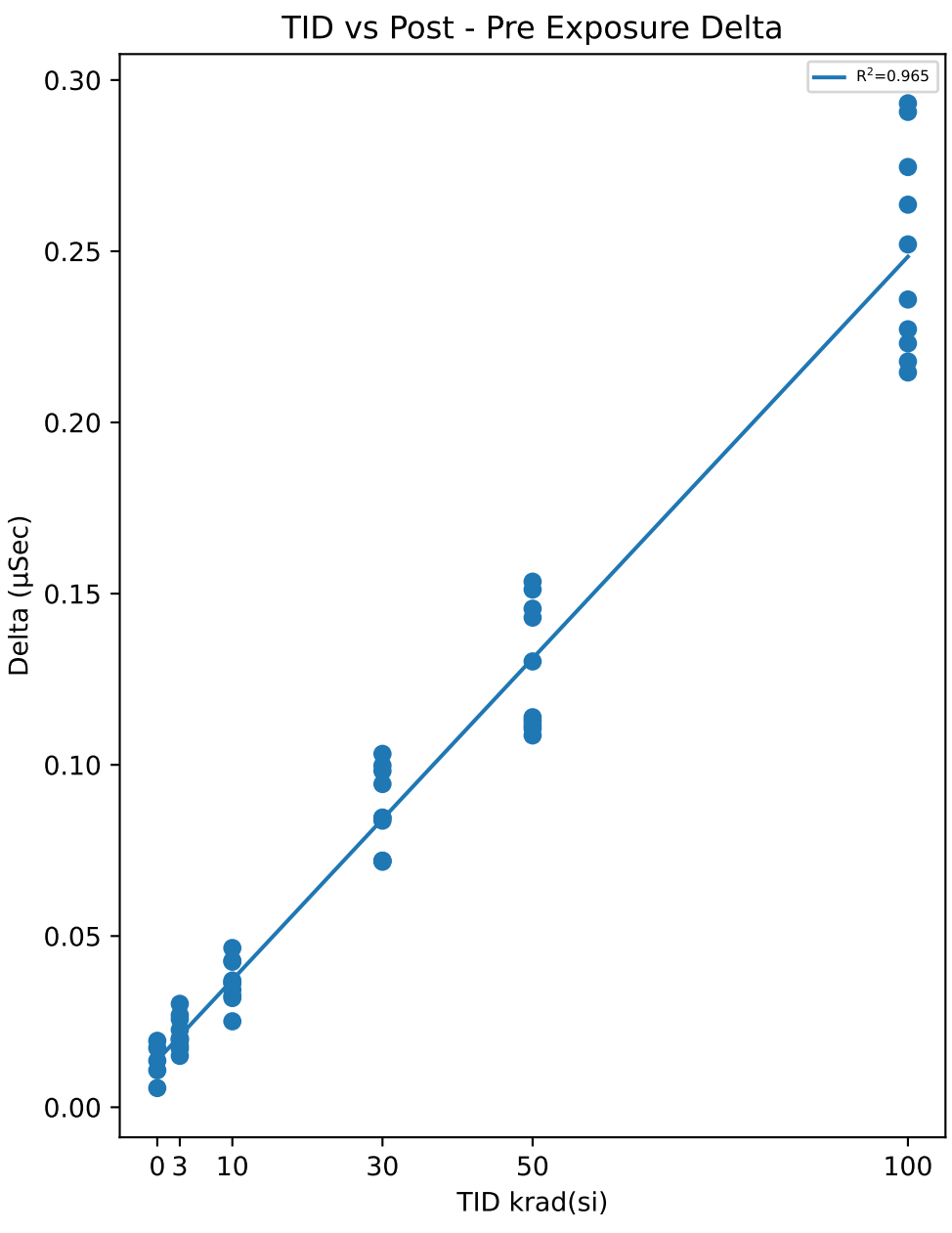
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.2815	2.3095	2.3422	0.023154	2.2859	2.3173	2.3545	0.027212	-0.0099	0.00784	0.0265	0.015028
3	2.2617	2.3158	2.3725	0.038205	2.2701	2.3266	2.3716	0.036036	-0.0046	0.0108	0.0375	0.014636
10	2.291	2.3204	2.3489	0.021743	2.2907	2.3306	2.3681	0.027985	-0.0091	0.01024	0.0245	0.011305
30	2.2641	2.3029	2.3772	0.03028	2.3064	2.3377	2.403	0.025917	0.019	0.03475	0.0631	0.013806
50	2.2565	2.3036	2.3581	0.035355	2.3268	2.3656	2.3993	0.026969	0.0278	0.062	0.0829	0.014306
100	2.2627	2.3082	2.3665	0.035968	2.3838	2.4316	2.478	0.035883	0.0862	0.1234	0.1468	0.019439

Device Test: 5.2; PROPD_RESET



Test Results (Upper Limit = 4.3 (µSec))

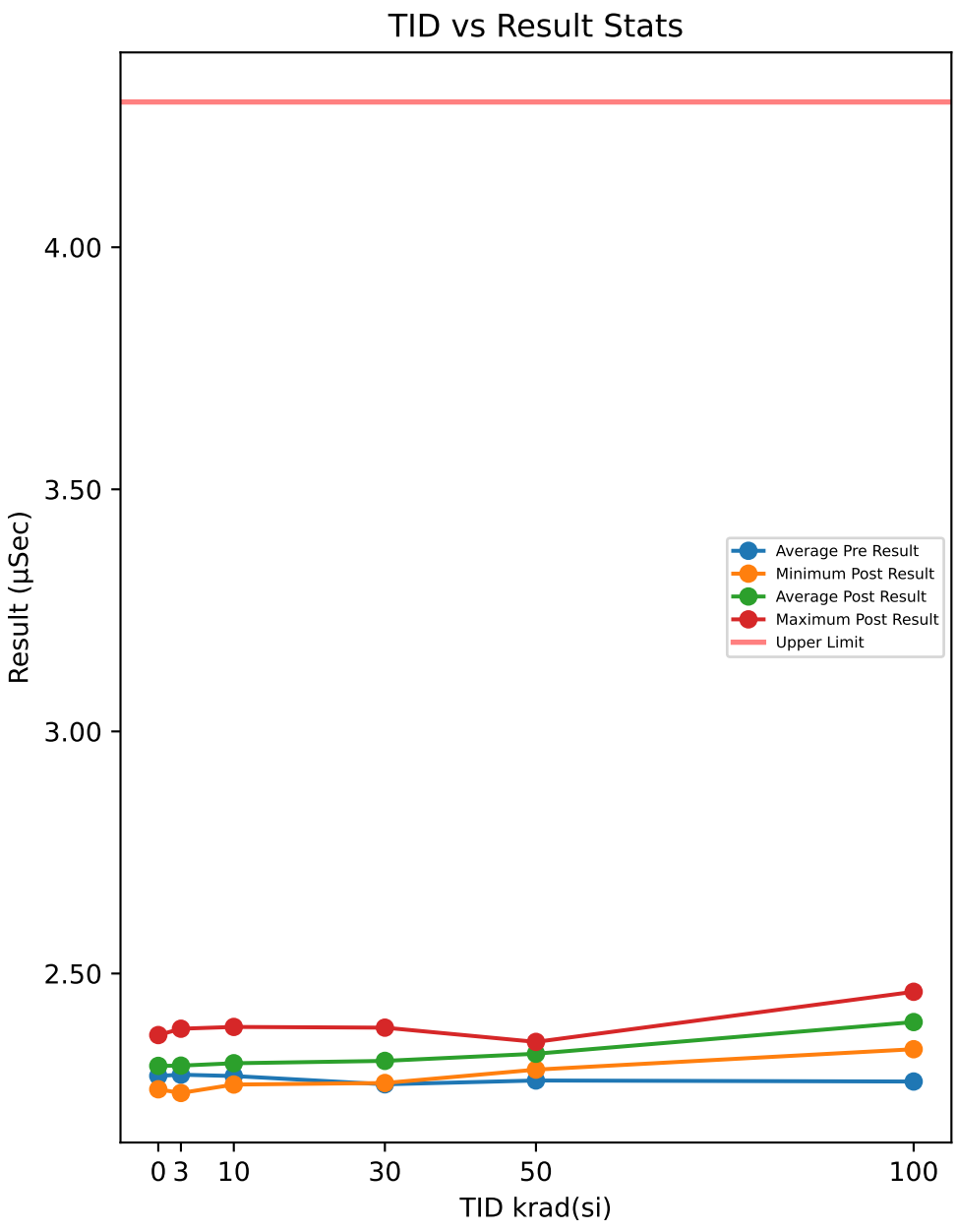
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.9311	2.9512	0.0201
2	3	Biased	3.0026	3.0252	0.0226
3	3	Biased	2.9849	3.0043	0.0194
4	3	Biased	2.936	2.9538	0.0178
5	3	Biased	2.8812	2.9081	0.0269
6	3	Unbiased	2.9148	2.9298	0.015
7	3	Unbiased	3.023	3.0487	0.0257
8	3	Unbiased	2.9079	2.925	0.0171
9	3	Unbiased	2.9595	2.9897	0.0302
10	3	Unbiased	2.9768	2.9967	0.0199
11	10	Biased	2.8989	2.9308	0.0319
12	10	Biased	2.9109	2.936	0.0251
13	10	Biased	2.9524	2.9867	0.0343
14	10	Biased	2.903	2.9395	0.0365
15	10	Biased	2.9153	2.9515	0.0362
16	10	Unbiased	2.949	2.9918	0.0428
17	10	Unbiased	3.0139	3.0604	0.0465
18	10	Unbiased	2.9839	3.0165	0.0326
19	10	Unbiased	2.9234	2.9659	0.0425
20	10	Unbiased	3.0006	3.0376	0.037
21	30	Biased	2.921	2.993	0.072
22	30	Biased	2.9023	2.986	0.0837
23	30	Biased	3.0229	3.0949	0.072
24	30	Biased	2.9067	2.9784	0.0717
25	30	Biased	2.9351	3.0196	0.0845
26	30	Unbiased	2.929	3.0272	0.0982
27	30	Unbiased	2.8985	2.9983	0.0998
28	30	Unbiased	2.9084	2.993	0.0846
29	30	Unbiased	2.9074	3.0106	0.1032
30	30	Unbiased	2.9194	3.0138	0.0944
31	50	Biased	2.9712	3.0828	0.1116
32	50	Biased	2.9514	3.0653	0.1139
33	50	Biased	2.8975	3.0103	0.1128
34	50	Biased	2.9814	3.09	0.1086
35	50	Biased	2.9877	3.0983	0.1106
36	50	Unbiased	2.8915	3.0345	0.143
37	50	Unbiased	2.9097	3.0553	0.1456
38	50	Unbiased	2.9158	3.067	0.1512
39	50	Unbiased	2.9265	3.0567	0.1302
40	50	Unbiased	2.8945	3.048	0.1535
41	100	Biased	2.9083	3.1229	0.2146
42	100	Biased	2.9085	3.1316	0.2231
43	100	Biased	2.9569	3.1841	0.2272
44	100	Biased	3.0083	3.2442	0.2359
45	100	Biased	2.8925	3.1103	0.2178
46	100	Unbiased	3.0208	3.314	0.2932
47	100	Unbiased	3.0079	3.2599	0.252
48	100	Unbiased	2.9955	3.2862	0.2907
49	100	Unbiased	2.8918	3.1554	0.2636
50	100	Unbiased	2.9117	3.1863	0.2746
51	0	Correlation	2.9073	2.9209	0.0136
52	0	Correlation	3.0266	3.0322	0.0056
53	0	Correlation	2.9142	2.9315	0.0173
54	0	Correlation	2.9376	2.957	0.0194
55	0	Correlation	2.9469	2.9577	0.0108

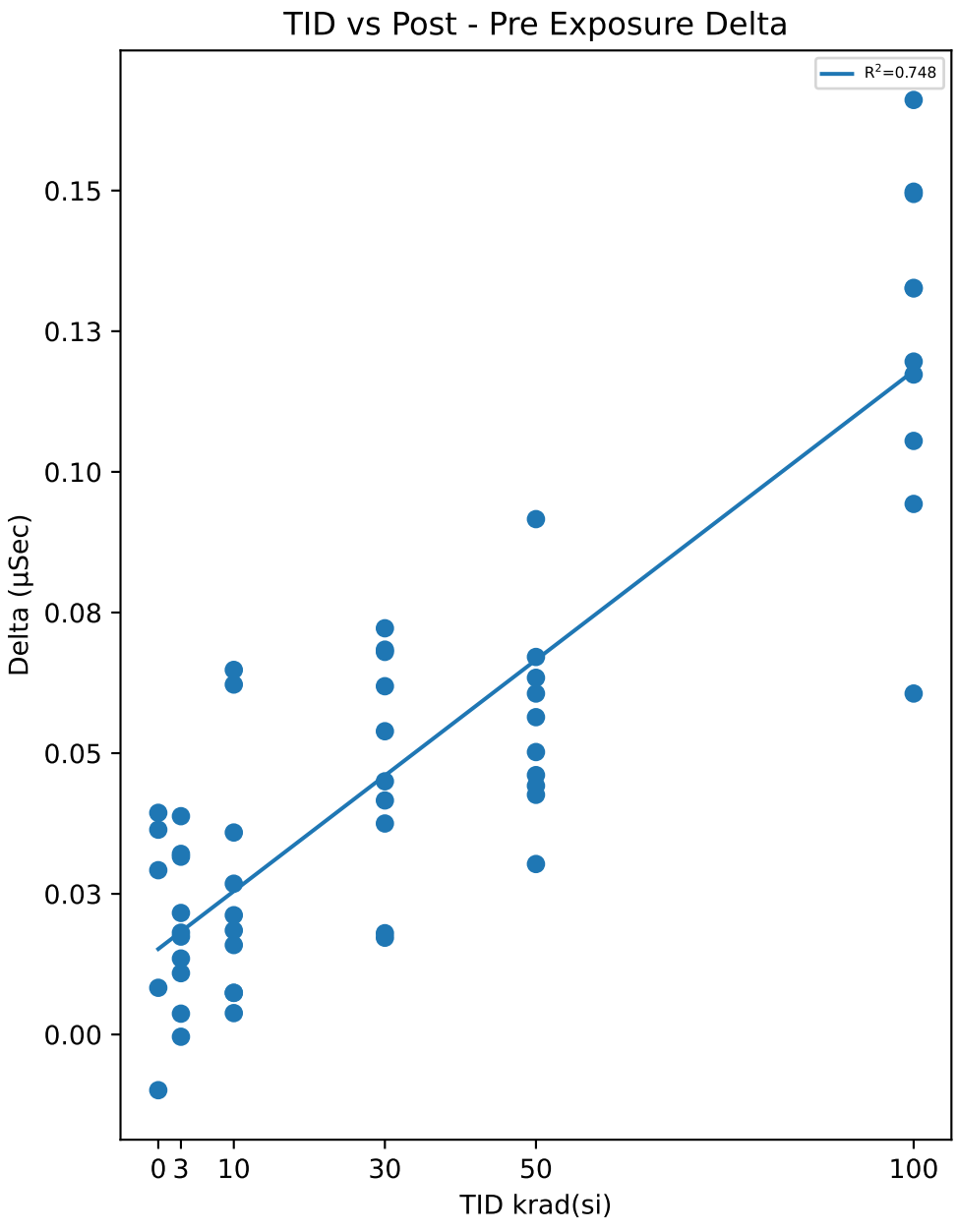


Test Statistics (µSec)

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	2.9073	2.9465	3.0266	0.047632	2.9209	2.9599	3.0322	0.043497	0.0056	0.01334	0.0194	0.0054505
3	2.8812	2.9518	3.023	0.045202	2.9081	2.9733	3.0487	0.046549	0.015	0.02147	0.0302	0.0048065
10	2.8989	2.9451	3.0139	0.04193	2.9308	2.9817	3.0604	0.045066	0.0251	0.03654	0.0465	0.006211
30	2.8985	2.9251	3.0229	0.036343	2.9784	3.0115	3.0949	0.03313	0.0717	0.08641	0.1032	0.012065
50	2.8915	2.9327	2.9877	0.037234	3.0103	3.0608	3.0983	0.026362	0.1086	0.1281	0.1535	0.018577
100	2.8918	2.9502	3.0208	0.053232	3.1103	3.1995	3.314	0.072314	0.2146	0.24927	0.2932	0.029896

Device Test: 5.20; PROPD_RESET





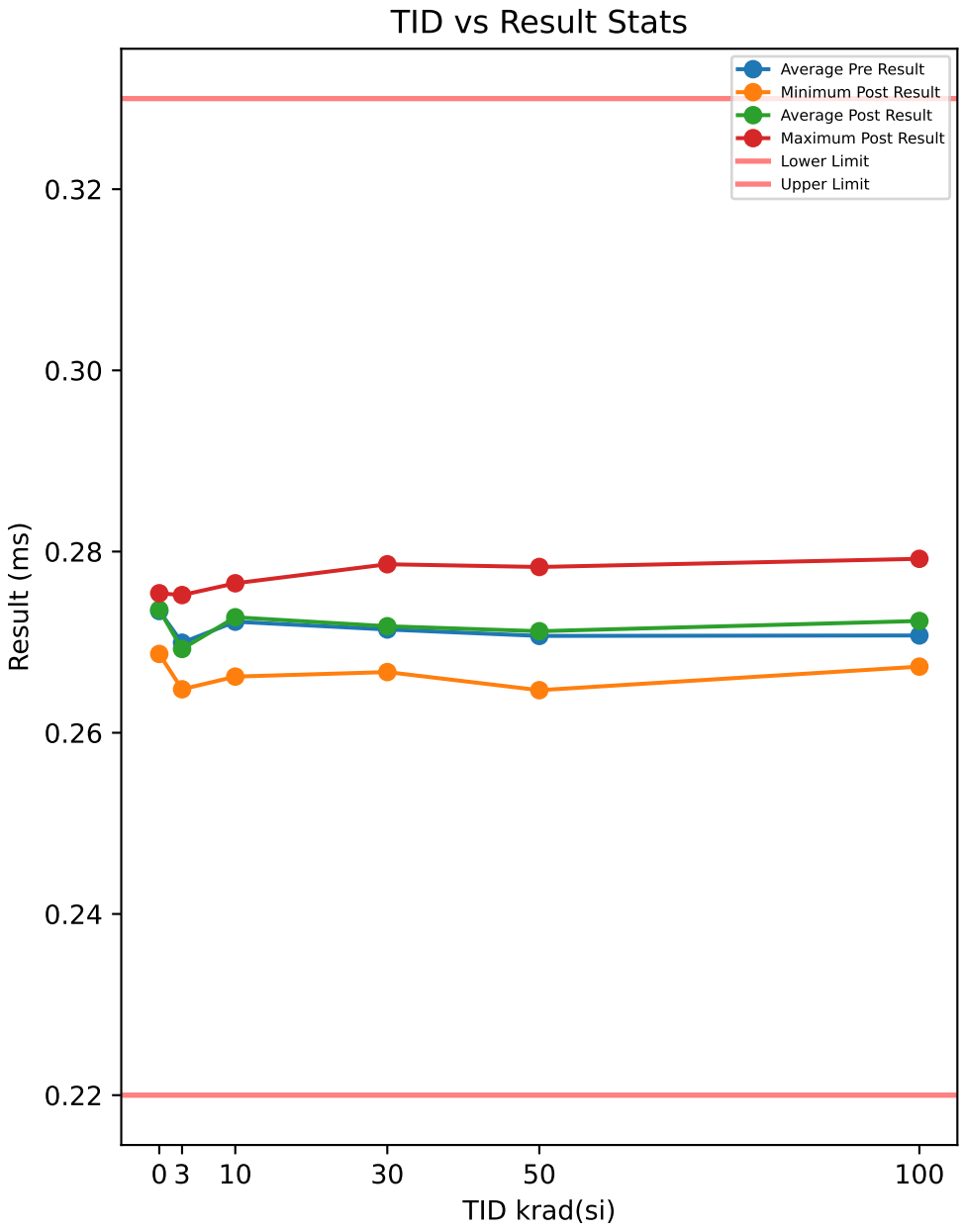
Test Results (Upper Limit = 4.3 (µSec))

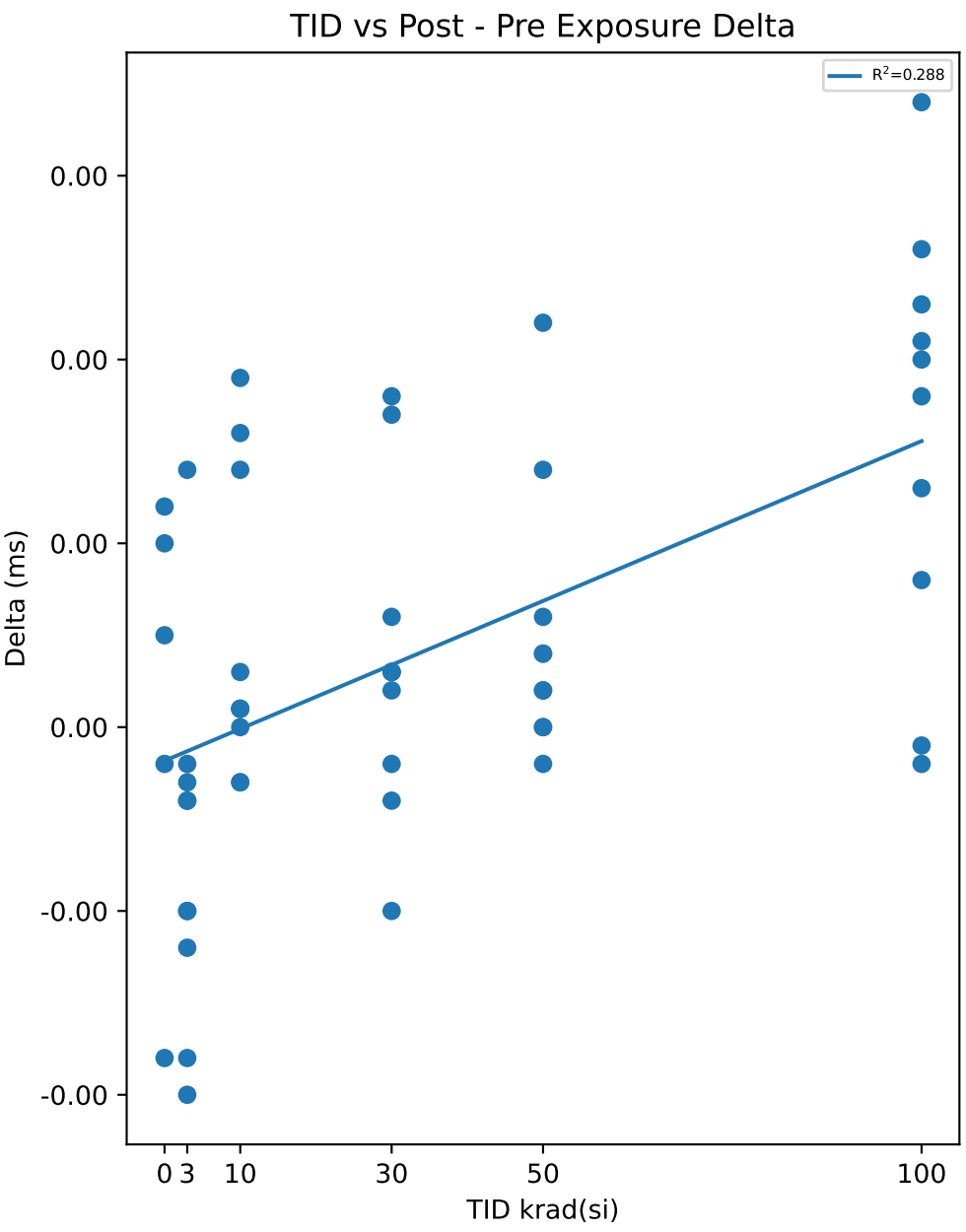
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.2753	2.3069	0.0316
2	3	Biased	2.3277	2.3665	0.0388
3	3	Biased	2.3104	2.3141	0.0037
4	3	Biased	2.2554	2.2735	0.0181
5	3	Biased	2.2512	2.2621	0.0109
6	3	Unbiased	2.2537	2.2533	-0.0004
7	3	Unbiased	2.3539	2.386	0.0321
8	3	Unbiased	2.2547	2.2721	0.0174
9	3	Unbiased	2.3075	2.3291	0.0216
10	3	Unbiased	2.3206	2.3341	0.0135
11	10	Biased	2.2548	2.2707	0.0159
12	10	Biased	2.3074	2.3112	0.0038
13	10	Biased	2.2976	2.305	0.0074
14	10	Biased	2.2558	2.2743	0.0185
15	10	Biased	2.2702	2.297	0.0268
16	10	Unbiased	2.2591	2.3213	0.0622
17	10	Unbiased	2.3515	2.3589	0.0074
18	10	Unbiased	2.3249	2.3897	0.0648
19	10	Unbiased	2.273	2.2942	0.0212
20	10	Unbiased	2.2889	2.3248	0.0359
21	30	Biased	2.2763	2.3179	0.0416
22	30	Biased	2.2559	2.2739	0.018
23	30	Biased	2.3202	2.3882	0.068
24	30	Biased	2.2671	2.2843	0.0172
25	30	Biased	2.2982	2.3357	0.0375
26	30	Unbiased	2.2347	2.3069	0.0722
27	30	Unbiased	2.2514	2.3133	0.0619
28	30	Unbiased	2.2707	2.3246	0.0539
29	30	Unbiased	2.2559	2.3243	0.0684
30	30	Unbiased	2.2816	2.3266	0.045
31	50	Biased	2.3103	2.3406	0.0303
32	50	Biased	2.2885	2.3519	0.0634
33	50	Biased	2.2597	2.3039	0.0442
34	50	Biased	2.3092	2.3518	0.0426
35	50	Biased	2.2872	2.3543	0.0671
36	50	Unbiased	2.2513	2.3015	0.0502
37	50	Unbiased	2.2624	2.323	0.0606
38	50	Unbiased	2.2916	2.348	0.0564
39	50	Unbiased	2.2672	2.3588	0.0916
40	50	Unbiased	2.2634	2.3095	0.0461
41	100	Biased	2.2919	2.3525	0.0606
42	100	Biased	2.2582	2.3525	0.0943
43	100	Biased	2.2823	2.3878	0.1055
44	100	Biased	2.2999	2.4493	0.1494
45	100	Biased	2.2413	2.3586	0.1173
46	100	Unbiased	2.3223	2.455	0.1327
47	100	Unbiased	2.2652	2.4313	0.1661
48	100	Unbiased	2.3297	2.4623	0.1326
49	100	Unbiased	2.2548	2.4046	0.1498
50	100	Unbiased	2.2241	2.3437	0.1196
51	0	Correlation	2.2649	2.2941	0.0292
52	0	Correlation	2.3365	2.3729	0.0364
53	0	Correlation	2.2526	2.2609	0.0083
54	0	Correlation	2.2996	2.339	0.0394
55	0	Correlation	2.2892	2.2793	-0.0099

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	2.2526	2.2886	2.3365	0.032686	2.2609	2.3092	2.3729	0.045827	-0.0099	0.02068	0.0394	0.020968
3	2.2512	2.291	2.3539	0.037468	2.2533	2.3098	2.386	0.044991	-0.0004	0.01873	0.0388	0.012641
10	2.2548	2.2883	2.3515	0.032281	2.2707	2.3147	2.3897	0.036715	0.0038	0.02639	0.0648	0.021805
30	2.2347	2.2712	2.3202	0.024661	2.2739	2.3196	2.3882	0.030912	0.0172	0.04837	0.0722	0.020103
50	2.2513	2.2791	2.3103	0.021097	2.3015	2.3343	2.3588	0.022574	0.0303	0.05525	0.0916	0.016905
100	2.2241	2.277	2.3297	0.034419	2.3437	2.3998	2.4623	0.047001	0.0606	0.12279	0.1661	0.030779

Device Test: 5.21; DLY_TMR_10KOHM





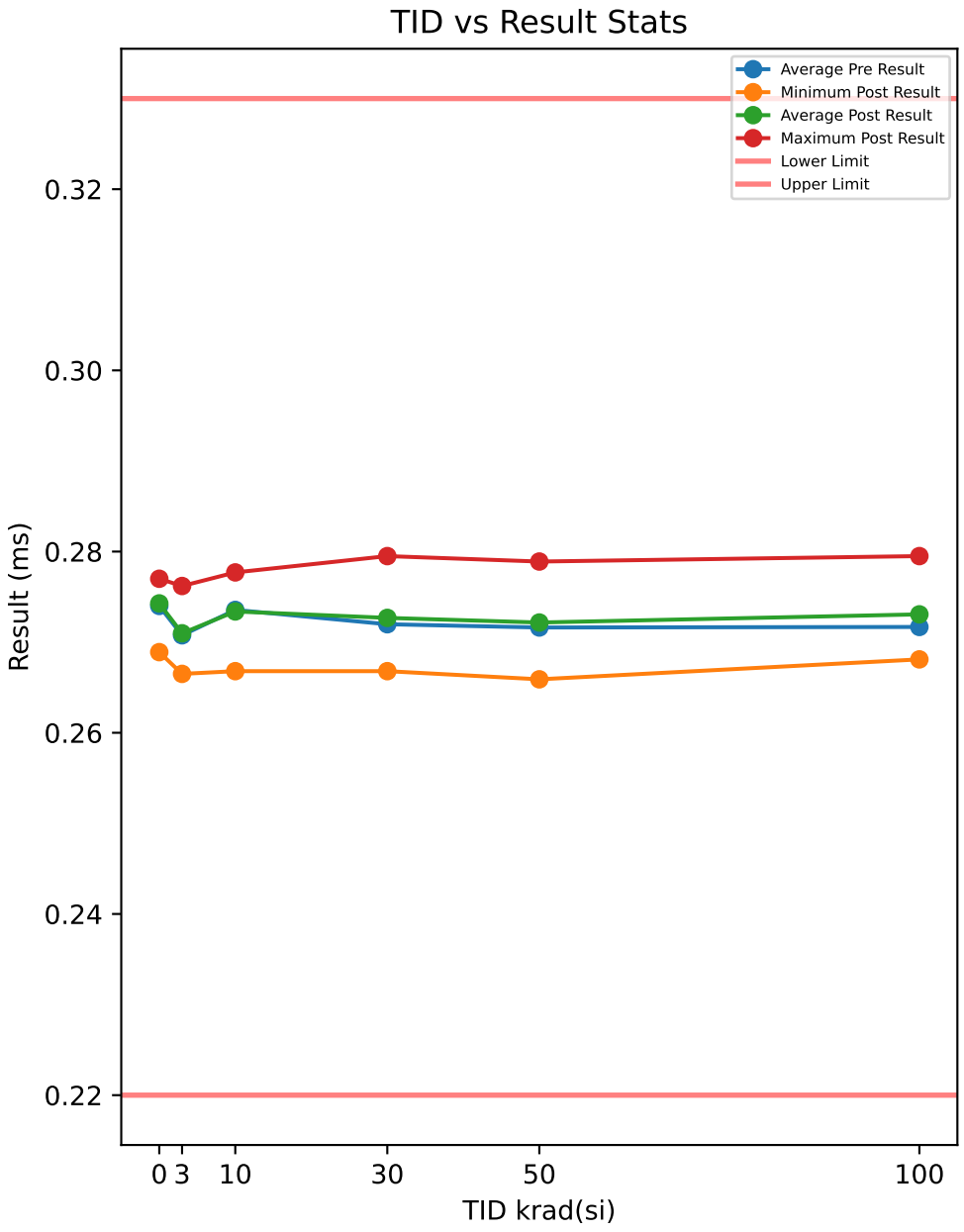
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

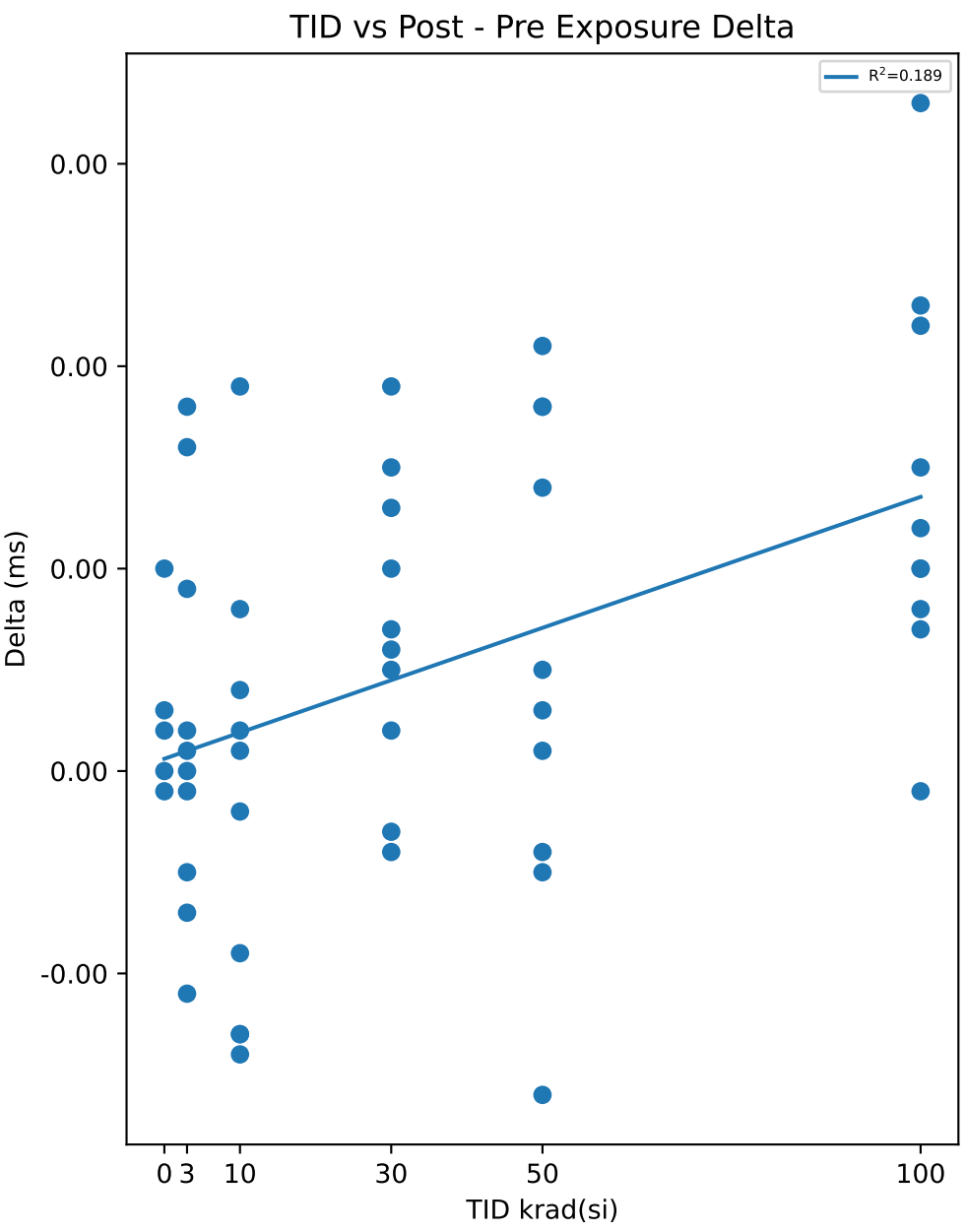
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2696	0.2676	-0.002
2	3	Biased	0.2681	0.2671	-0.001
3	3	Biased	0.2748	0.2736	-0.0012
4	3	Biased	0.2754	0.2752	-0.0002
5	3	Biased	0.2733	0.273	-0.0003
6	3	Unbiased	0.2668	0.2664	-0.0004
7	3	Unbiased	0.2734	0.273	-0.0004
8	3	Unbiased	0.2658	0.2648	-0.001
9	3	Unbiased	0.2643	0.2657	0.0014
10	3	Unbiased	0.2679	0.2661	-0.0018
11	10	Biased	0.2741	0.2742	0.0001
12	10	Biased	0.2686	0.2683	-0.0003
13	10	Biased	0.2664	0.2665	0.0001
14	10	Biased	0.2751	0.2765	0.0014
15	10	Biased	0.2741	0.2757	0.0016
16	10	Unbiased	0.2743	0.274	-0.0003
17	10	Unbiased	0.2749	0.2752	0.0003
18	10	Unbiased	0.2662	0.2662	0
19	10	Unbiased	0.2743	0.2762	0.0019
20	10	Unbiased	0.2746	0.2747	0.0001
21	30	Biased	0.2683	0.2673	-0.001
22	30	Biased	0.2678	0.2696	0.0018
23	30	Biased	0.2738	0.2741	0.0003
24	30	Biased	0.2769	0.2786	0.0017
25	30	Biased	0.2764	0.2762	-0.0002
26	30	Unbiased	0.2678	0.2684	0.0006
27	30	Unbiased	0.274	0.2736	-0.0004
28	30	Unbiased	0.267	0.2672	0.0002
29	30	Unbiased	0.2664	0.2667	0.0003
30	30	Unbiased	0.2756	0.2759	0.0003
31	50	Biased	0.2647	0.2647	0
32	50	Biased	0.2761	0.2783	0.0022
33	50	Biased	0.269	0.2692	0.0002
34	50	Biased	0.2659	0.2663	0.0004
35	50	Biased	0.2737	0.2739	0.0002
36	50	Unbiased	0.2763	0.2763	0
37	50	Unbiased	0.2668	0.2674	0.0006
38	50	Unbiased	0.2773	0.2771	-0.0002
39	50	Unbiased	0.2684	0.2698	0.0014
40	50	Unbiased	0.2687	0.2691	0.0004
41	100	Biased	0.277	0.2769	-0.0001
42	100	Biased	0.2674	0.2682	0.0008
43	100	Biased	0.266	0.2673	0.0013
44	100	Biased	0.2685	0.2708	0.0023
45	100	Biased	0.2701	0.2699	-0.0002
46	100	Unbiased	0.2666	0.2686	0.002
47	100	Unbiased	0.2661	0.2695	0.0034
48	100	Unbiased	0.2746	0.2764	0.0018
49	100	Unbiased	0.2745	0.2766	0.0021
50	100	Unbiased	0.2766	0.2792	0.0026
51	0	Correlation	0.2751	0.2749	-0.0002
52	0	Correlation	0.2749	0.2754	0.0005
53	0	Correlation	0.2744	0.2754	0.001
54	0	Correlation	0.2753	0.2735	-0.0018
55	0	Correlation	0.2675	0.2687	0.0012

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	0.2675	0.27344	0.2753	0.0033374	0.2687	0.27358	0.2754	0.0028367	-0.0018	0.00014	0.0012	0.0012116
3	0.2643	0.26994	0.2754	0.0039884	0.2648	0.26925	0.2752	0.0039475	-0.002	-0.00069	0.0014	0.000962
10	0.2662	0.27226	0.2751	0.0036525	0.2662	0.27275	0.2765	0.0040812	-0.0003	0.00049	0.0019	0.00081847
30	0.2664	0.2714	0.2769	0.0042856	0.2667	0.27176	0.2786	0.0044064	-0.001	0.00036	0.0018	0.00086307
50	0.2647	0.27069	0.2773	0.0047083	0.2647	0.27121	0.2783	0.0048257	-0.0002	0.00052	0.0022	0.00073756
100	0.266	0.27074	0.277	0.0044757	0.2673	0.27234	0.2792	0.0044147	-0.0002	0.0016	0.0034	0.0011566

Device Test: 5.22; DLY_TMR_10KOHM





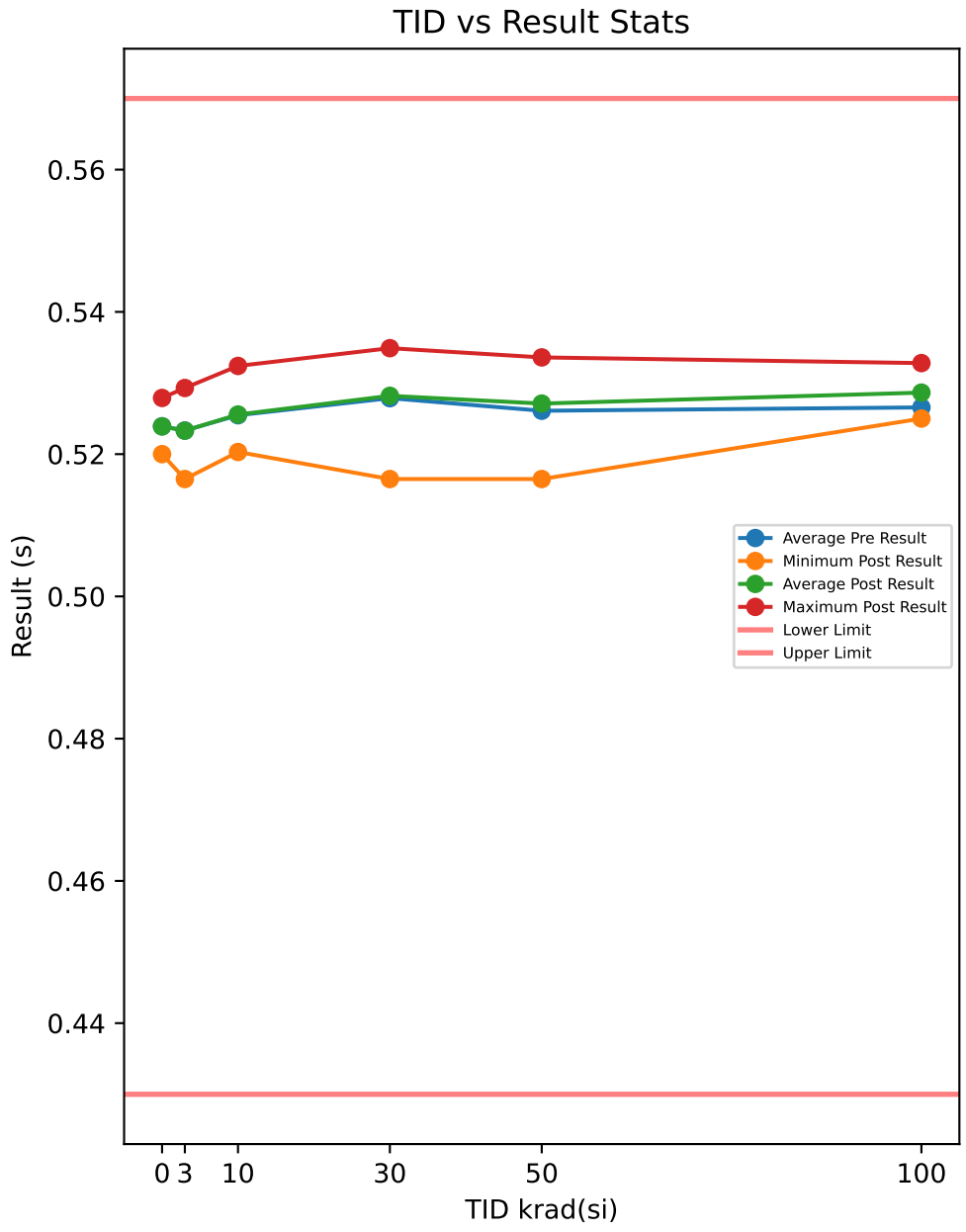
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2704	0.2699	-0.0005
2	3	Biased	0.2676	0.2692	0.0016
3	3	Biased	0.2763	0.2752	-0.0011
4	3	Biased	0.2769	0.2762	-0.0007
5	3	Biased	0.2743	0.2752	0.0009
6	3	Unbiased	0.2665	0.2665	0
7	3	Unbiased	0.2751	0.2752	0.0001
8	3	Unbiased	0.2668	0.267	0.0002
9	3	Unbiased	0.265	0.2668	0.0018
10	3	Unbiased	0.2687	0.2686	-0.0001
11	10	Biased	0.2742	0.2744	0.0002
12	10	Biased	0.2694	0.2681	-0.0013
13	10	Biased	0.2682	0.2668	-0.0014
14	10	Biased	0.2774	0.2765	-0.0009
15	10	Biased	0.2752	0.2756	0.0004
16	10	Unbiased	0.2747	0.2755	0.0008
17	10	Unbiased	0.2758	0.2777	0.0019
18	10	Unbiased	0.2688	0.2686	-0.0002
19	10	Unbiased	0.2766	0.2753	-0.0013
20	10	Unbiased	0.2753	0.2754	0.0001
21	30	Biased	0.2684	0.2681	-0.0003
22	30	Biased	0.2695	0.2701	0.0006
23	30	Biased	0.2756	0.2752	-0.0004
24	30	Biased	0.278	0.2795	0.0015
25	30	Biased	0.2759	0.2772	0.0013
26	30	Unbiased	0.2689	0.2694	0.0005
27	30	Unbiased	0.2739	0.2749	0.001
28	30	Unbiased	0.2663	0.2682	0.0019
29	30	Unbiased	0.2661	0.2668	0.0007
30	30	Unbiased	0.2772	0.2774	0.0002
31	50	Biased	0.2663	0.2659	-0.0004
32	50	Biased	0.2782	0.2777	-0.0005
33	50	Biased	0.27	0.2701	0.0001
34	50	Biased	0.2683	0.2667	-0.0016
35	50	Biased	0.2747	0.2752	0.0005
36	50	Unbiased	0.2775	0.2789	0.0014
37	50	Unbiased	0.2661	0.2679	0.0018
38	50	Unbiased	0.2768	0.2771	0.0003
39	50	Unbiased	0.2692	0.2713	0.0021
40	50	Unbiased	0.2691	0.2709	0.0018
41	100	Biased	0.2775	0.2774	-0.0001
42	100	Biased	0.2688	0.2696	0.0008
43	100	Biased	0.2669	0.2681	0.0012
44	100	Biased	0.2689	0.2722	0.0033
45	100	Biased	0.2704	0.2714	0.001
46	100	Unbiased	0.2682	0.2697	0.0015
47	100	Unbiased	0.2674	0.2696	0.0022
48	100	Unbiased	0.2764	0.2771	0.0007
49	100	Unbiased	0.2751	0.2761	0.001
50	100	Unbiased	0.2772	0.2795	0.0023
51	0	Correlation	0.2745	0.2748	0.0003
52	0	Correlation	0.2768	0.277	0.0002
53	0	Correlation	0.2753	0.2763	0.001
54	0	Correlation	0.2744	0.2744	0
55	0	Correlation	0.269	0.2689	-0.0001

Test Statistics (ms)

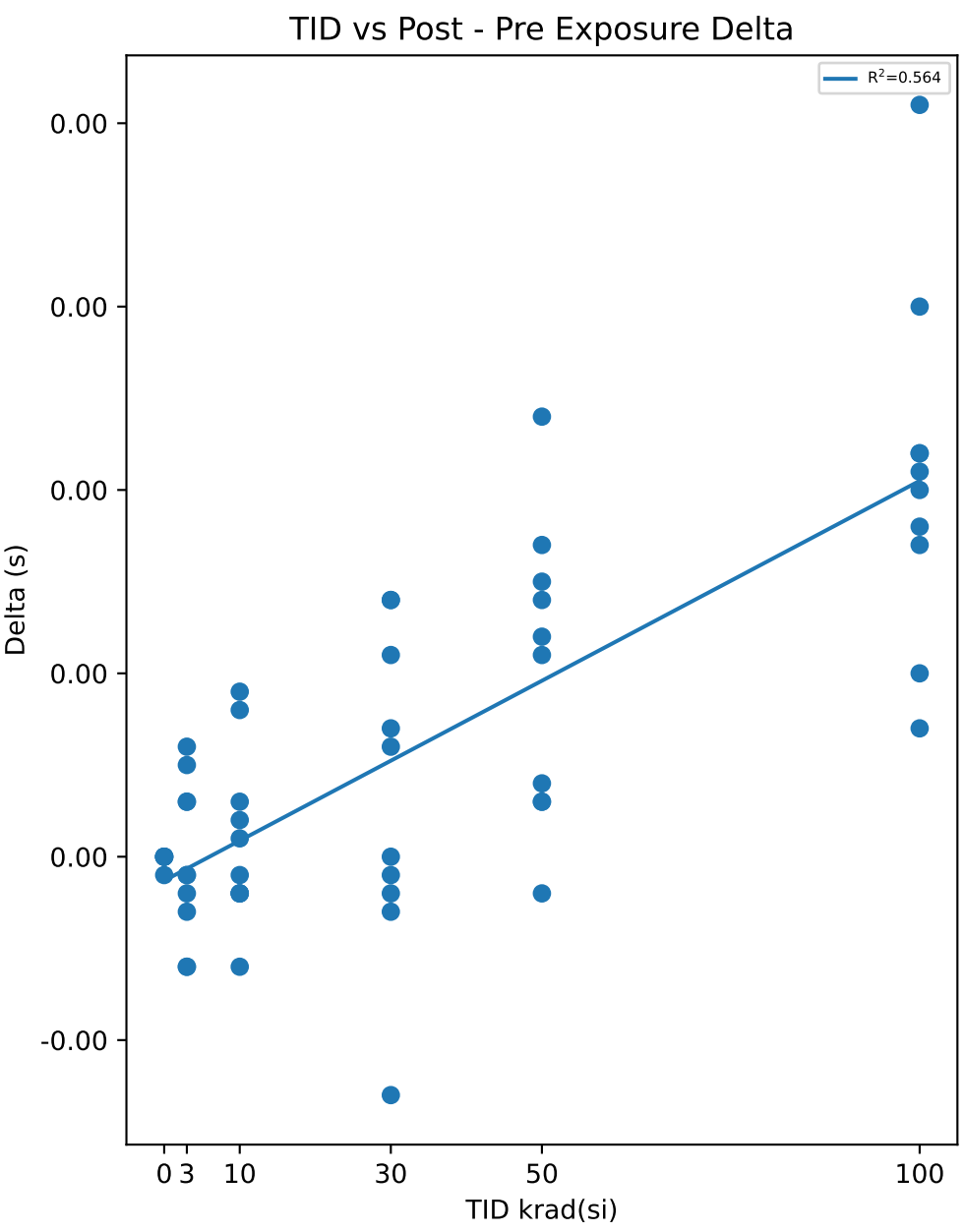
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.269	0.274	0.2768	0.0029555	0.2689	0.27428	0.277	0.0031901	-0.0001	0.00028	0.001	0.00043243
3	0.265	0.27076	0.2769	0.0044861	0.2665	0.27098	0.2762	0.0040008	-0.0011	0.00022	0.0018	0.00095079
10	0.2682	0.27356	0.2774	0.0034177	0.2668	0.27339	0.2777	0.0039532	-0.0014	-0.00017	0.0019	0.001073
30	0.2661	0.27198	0.278	0.004606	0.2668	0.27268	0.2795	0.0046372	-0.0004	0.0007	0.0019	0.00074833
50	0.2661	0.27162	0.2782	0.0047001	0.2659	0.27217	0.2789	0.0047549	-0.0016	0.00055	0.0021	0.0012085
100	0.2669	0.27168	0.2775	0.0043366	0.2681	0.27307	0.2795	0.0040716	-0.0001	0.00139	0.0033	0.00097348

Device Test: 5.23; WD_TMR_10KOHM



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

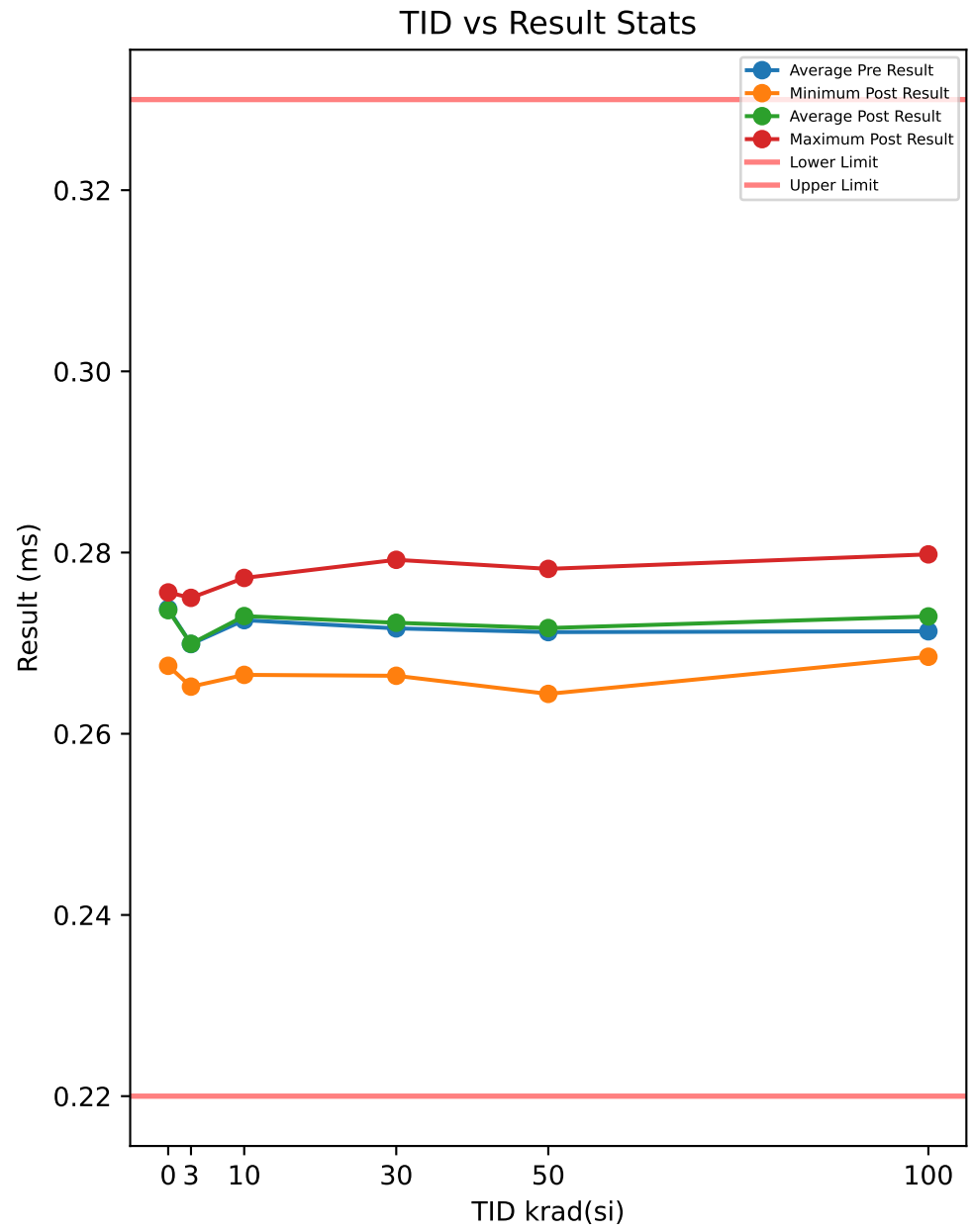
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.529	0.5293	0.0003
2	3	Biased	0.516	0.5165	0.0005
3	3	Biased	0.5252	0.5246	-0.0006
4	3	Biased	0.5261	0.5255	-0.0006
5	3	Biased	0.5278	0.5277	-0.0001
6	3	Unbiased	0.5239	0.5238	-0.0001
7	3	Unbiased	0.5213	0.5216	0.0003
8	3	Unbiased	0.5204	0.521	0.0006
9	3	Unbiased	0.5228	0.5225	-0.0003
10	3	Unbiased	0.5207	0.5205	-0.0002
11	10	Biased	0.5255	0.5256	0.0001
12	10	Biased	0.5259	0.5257	-0.0002
13	10	Biased	0.5267	0.5265	-0.0002
14	10	Biased	0.5325	0.5324	-0.0001
15	10	Biased	0.5194	0.5203	0.0009
16	10	Unbiased	0.5276	0.5274	-0.0002
17	10	Unbiased	0.5278	0.5286	0.0008
18	10	Unbiased	0.5243	0.5245	0.0002
19	10	Unbiased	0.5201	0.5204	0.0003
20	10	Unbiased	0.5249	0.5243	-0.0006
21	30	Biased	0.5297	0.5297	0
22	30	Biased	0.5305	0.5304	-0.0001
23	30	Biased	0.5251	0.5249	-0.0002
24	30	Biased	0.5291	0.5288	-0.0003
25	30	Biased	0.5159	0.5165	0.0006
26	30	Unbiased	0.526	0.5267	0.0007
27	30	Unbiased	0.5264	0.5278	0.0014
28	30	Unbiased	0.5361	0.5348	-0.0013
29	30	Unbiased	0.5264	0.5275	0.0011
30	30	Unbiased	0.5335	0.5349	0.0014
31	50	Biased	0.5167	0.5165	-0.0002
32	50	Biased	0.526	0.5272	0.0012
33	50	Biased	0.5301	0.5304	0.0003
34	50	Biased	0.5239	0.5242	0.0003
35	50	Biased	0.5265	0.5276	0.0011
36	50	Unbiased	0.5256	0.526	0.0004
37	50	Unbiased	0.5261	0.5285	0.0024
38	50	Unbiased	0.5308	0.5323	0.0015
39	50	Unbiased	0.5319	0.5336	0.0017
40	50	Unbiased	0.5234	0.5248	0.0014
41	100	Biased	0.531	0.5328	0.0018
42	100	Biased	0.5275	0.5295	0.002
43	100	Biased	0.524	0.527	0.003
44	100	Biased	0.5295	0.5302	0.0007
45	100	Biased	0.527	0.5287	0.0017
46	100	Unbiased	0.5287	0.5297	0.001
47	100	Unbiased	0.5262	0.5303	0.0041
48	100	Unbiased	0.5229	0.525	0.0021
49	100	Unbiased	0.523	0.5252	0.0022
50	100	Unbiased	0.5259	0.5281	0.0022
51	0	Correlation	0.5265	0.5265	0
52	0	Correlation	0.52	0.52	0
53	0	Correlation	0.5217	0.5217	0
54	0	Correlation	0.528	0.5279	-0.0001
55	0	Correlation	0.5234	0.5234	0

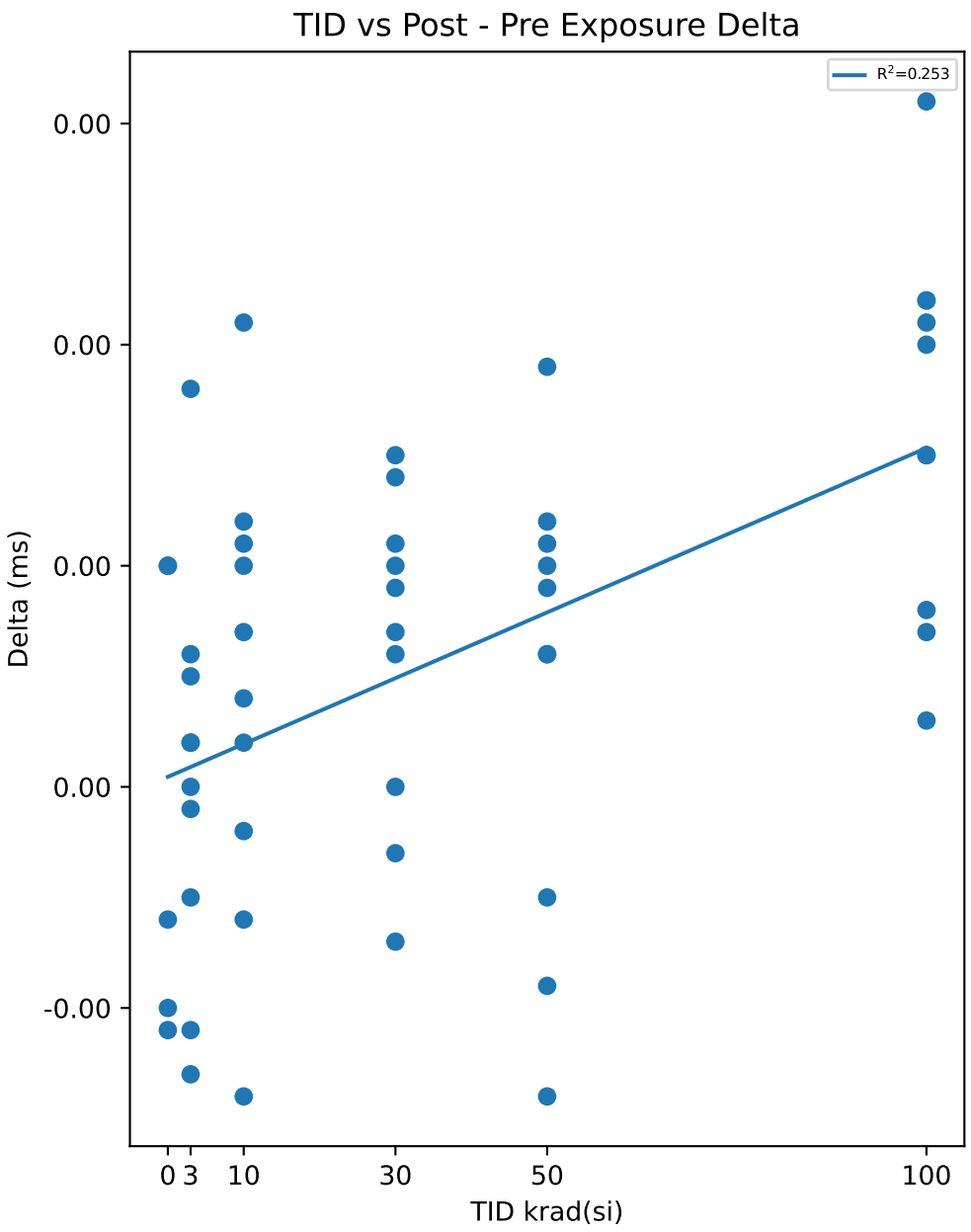


Test Statistics (s)

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	0.52	0.52392	0.528	0.0033116	0.52	0.5239	0.5279	0.003281	-0.0001	-2e-05	0	4.4721e-05
3	0.516	0.52332	0.529	0.0039052	0.5165	0.5233	0.5293	0.0037274	-0.0006	-2e-05	0.0006	0.00042895
10	0.5194	0.52547	0.5325	0.003778	0.5203	0.52557	0.5324	0.0036105	-0.0006	0.0001	0.0009	0.00046904
30	0.5159	0.52787	0.5361	0.005477	0.5165	0.5282	0.5349	0.0052343	-0.0013	0.00033	0.0014	0.00086416
50	0.5167	0.5261	0.5319	0.0043798	0.5165	0.52711	0.5336	0.0048267	-0.0002	0.00101	0.0024	0.00079505
100	0.5229	0.52657	0.531	0.0027325	0.525	0.52865	0.5328	0.0024135	0.0007	0.00208	0.0041	0.00095778

Device Test: 5.24; DLY_TMR_10KOHM





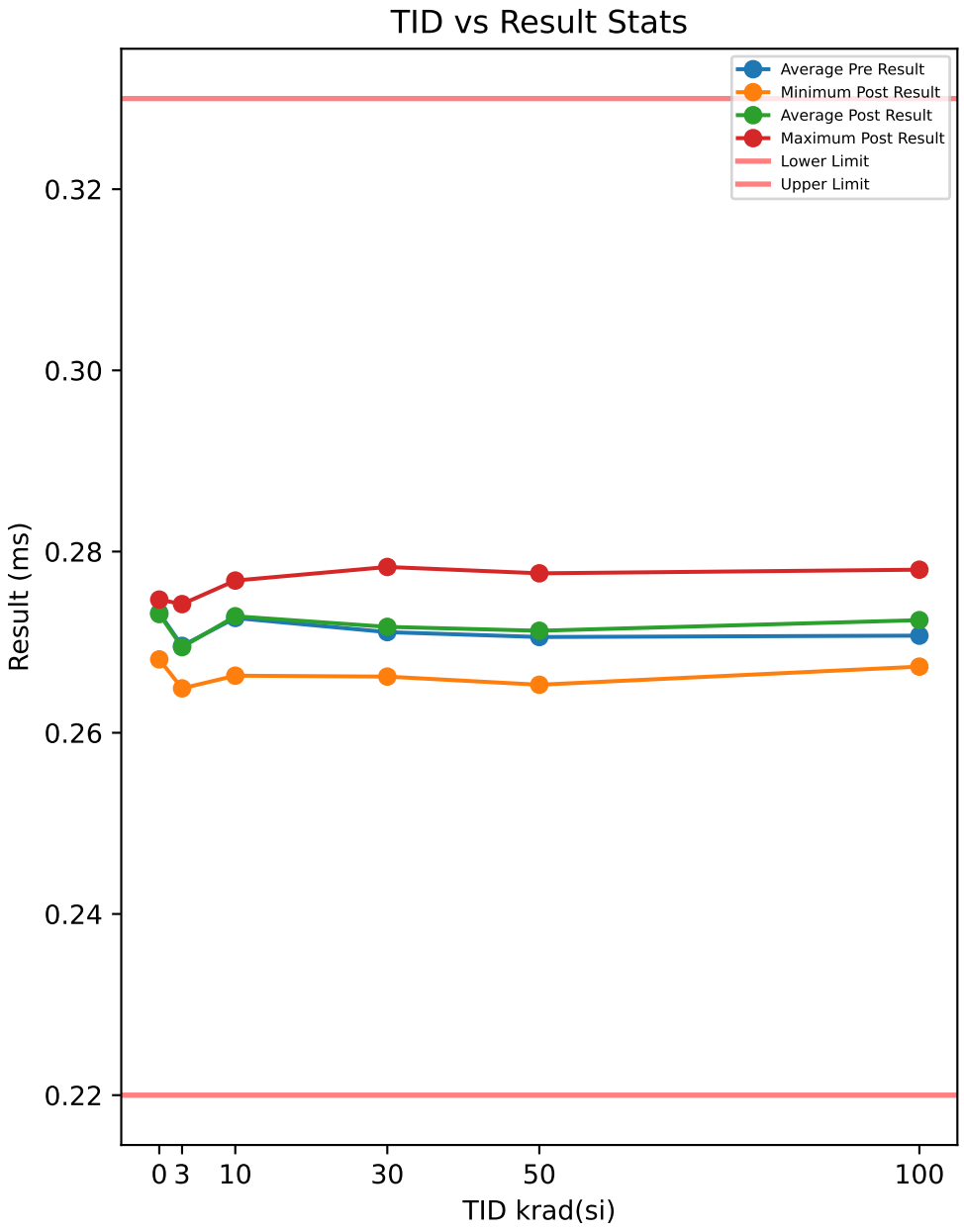
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

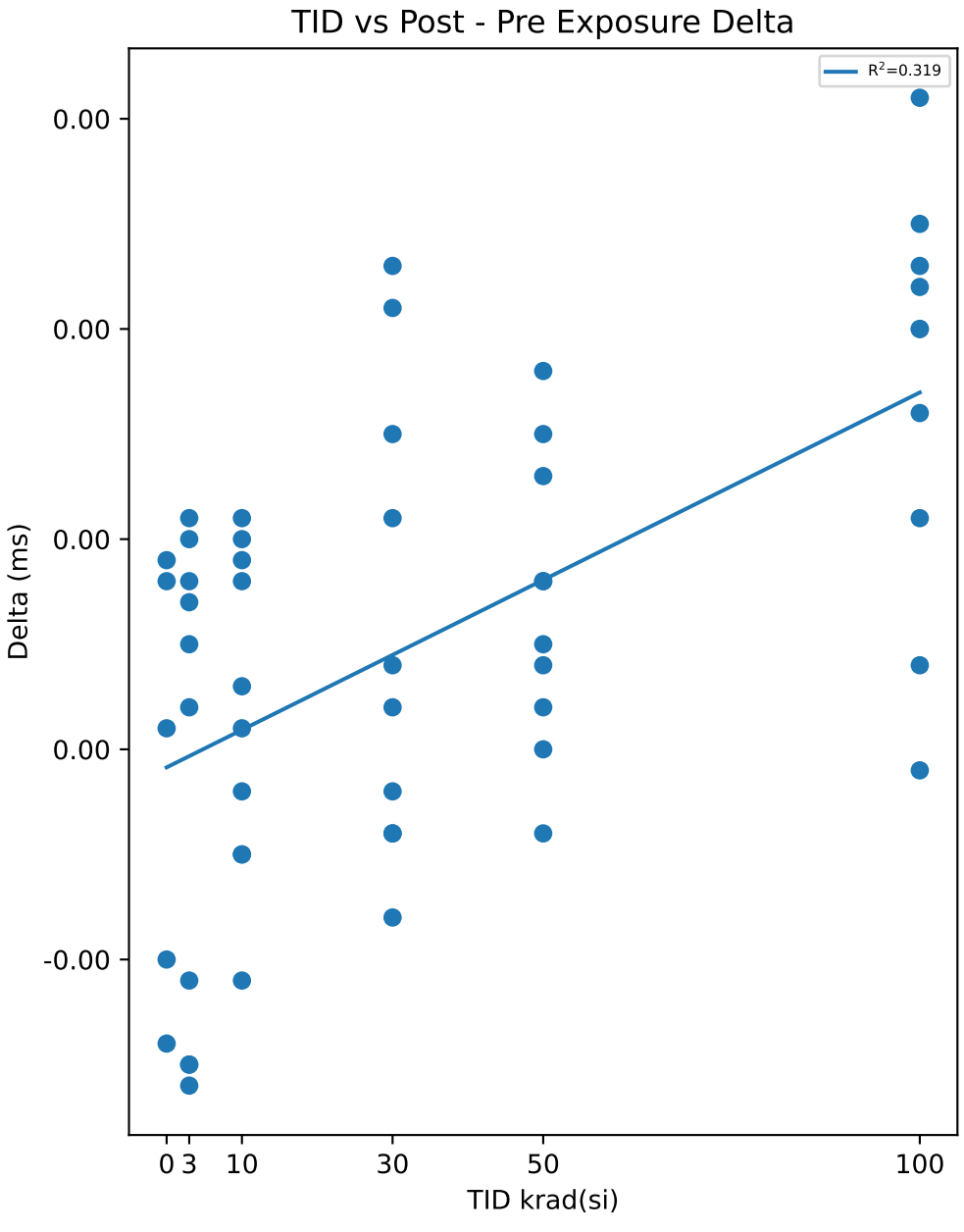
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2683	0.2688	0.0005
2	3	Biased	0.2686	0.2673	-0.0013
3	3	Biased	0.2753	0.2742	-0.0011
4	3	Biased	0.2755	0.275	-0.0005
5	3	Biased	0.2733	0.2739	0.0006
6	3	Unbiased	0.2667	0.2666	-0.0001
7	3	Unbiased	0.2737	0.2739	0.0002
8	3	Unbiased	0.265	0.2652	0.0002
9	3	Unbiased	0.2661	0.2661	0
10	3	Unbiased	0.2665	0.2683	0.0018
11	10	Biased	0.2732	0.2734	0.0002
12	10	Biased	0.2687	0.2673	-0.0014
13	10	Biased	0.2671	0.2665	-0.0006
14	10	Biased	0.276	0.2772	0.0012
15	10	Biased	0.2749	0.276	0.0011
16	10	Unbiased	0.2737	0.2741	0.0004
17	10	Unbiased	0.2751	0.2772	0.0021
18	10	Unbiased	0.2672	0.2682	0.001
19	10	Unbiased	0.275	0.2757	0.0007
20	10	Unbiased	0.2745	0.2743	-0.0002
21	30	Biased	0.268	0.268	0
22	30	Biased	0.2679	0.2686	0.0007
23	30	Biased	0.2758	0.2755	-0.0003
24	30	Biased	0.2777	0.2792	0.0015
25	30	Biased	0.2771	0.2781	0.001
26	30	Unbiased	0.2673	0.2682	0.0009
27	30	Unbiased	0.2743	0.2757	0.0014
28	30	Unbiased	0.2659	0.267	0.0011
29	30	Unbiased	0.2658	0.2664	0.0006
30	30	Unbiased	0.2765	0.2758	-0.0007
31	50	Biased	0.2658	0.2644	-0.0014
32	50	Biased	0.2763	0.2772	0.0009
33	50	Biased	0.2694	0.27	0.0006
34	50	Biased	0.2669	0.2679	0.001
35	50	Biased	0.2736	0.2747	0.0011
36	50	Unbiased	0.2763	0.2782	0.0019
37	50	Unbiased	0.2675	0.267	-0.0005
38	50	Unbiased	0.2776	0.2782	0.0006
39	50	Unbiased	0.2691	0.2703	0.0012
40	50	Unbiased	0.2697	0.2688	-0.0009
41	100	Biased	0.2775	0.2783	0.0008
42	100	Biased	0.2675	0.2696	0.0021
43	100	Biased	0.2682	0.2685	0.0003
44	100	Biased	0.2691	0.2706	0.0015
45	100	Biased	0.2686	0.2693	0.0007
46	100	Unbiased	0.2671	0.2693	0.0022
47	100	Unbiased	0.267	0.269	0.002
48	100	Unbiased	0.2764	0.2779	0.0015
49	100	Unbiased	0.2741	0.2772	0.0031
50	100	Unbiased	0.2776	0.2798	0.0022
51	0	Correlation	0.2746	0.2756	0.001
52	0	Correlation	0.276	0.2754	-0.0006
53	0	Correlation	0.2744	0.2754	0.001
54	0	Correlation	0.2753	0.2743	-0.001
55	0	Correlation	0.2686	0.2675	-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	0.2686	0.27378	0.276	0.0029634	0.2675	0.27364	0.2756	0.0034703	-0.0011	-0.00014	0.001	0.0010574
3	0.265	0.2699	0.2755	0.0040963	0.2652	0.26993	0.275	0.003865	-0.0013	3e-05	0.0018	0.000887
10	0.2671	0.27254	0.276	0.0034741	0.2665	0.27299	0.2772	0.0041151	-0.0014	0.00045	0.0021	0.0010047
30	0.2658	0.27163	0.2777	0.0050295	0.2664	0.27225	0.2792	0.005024	-0.0007	0.00062	0.0015	0.00073151
50	0.2658	0.27122	0.2776	0.0043458	0.2644	0.27167	0.2782	0.0050202	-0.0014	0.00045	0.0019	0.0010427
100	0.267	0.27131	0.2776	0.0045251	0.2685	0.27295	0.2798	0.0046774	0.0003	0.00164	0.0031	0.0008514

Device Test: 5.25; DLY_TMR_10KOHM





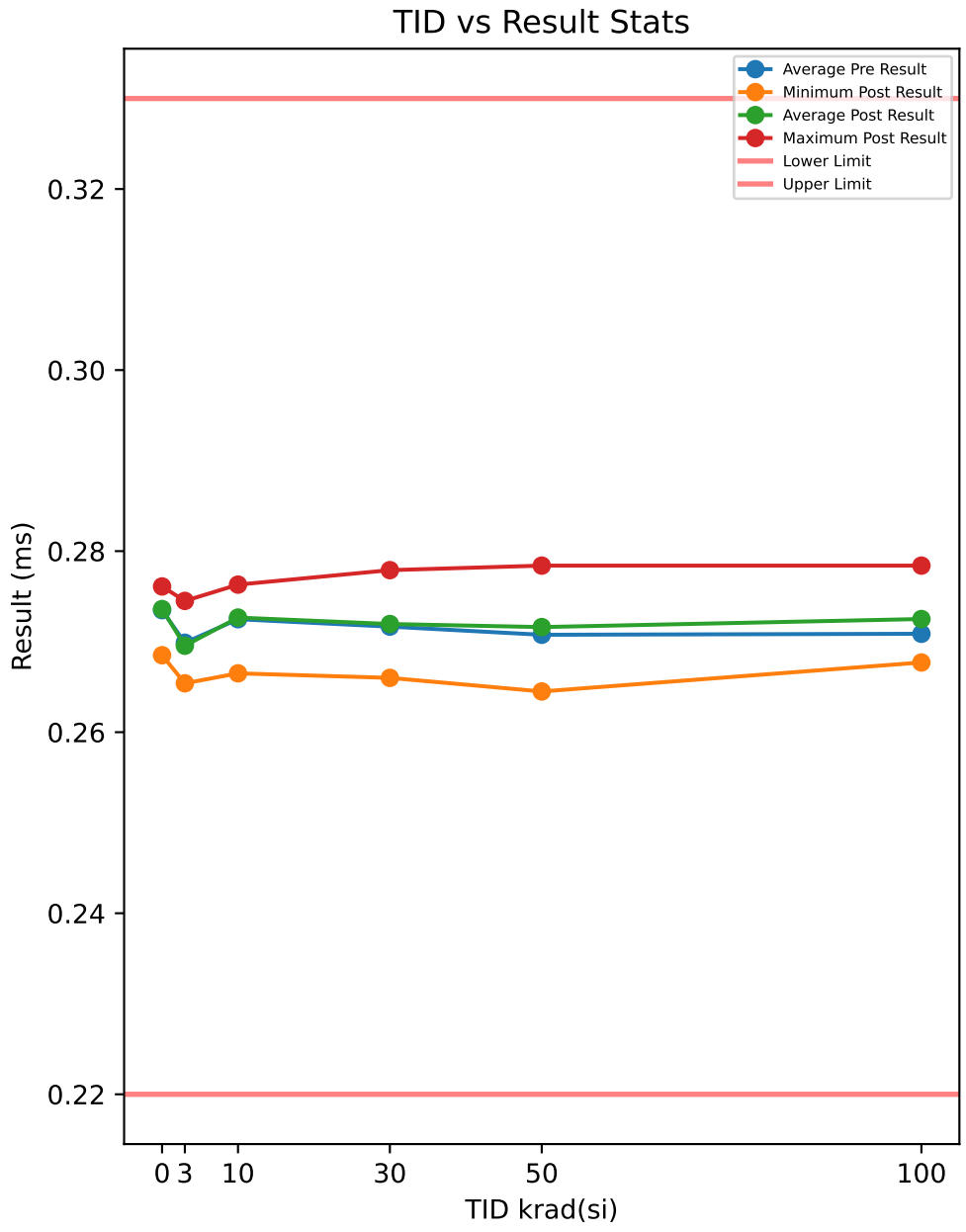
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

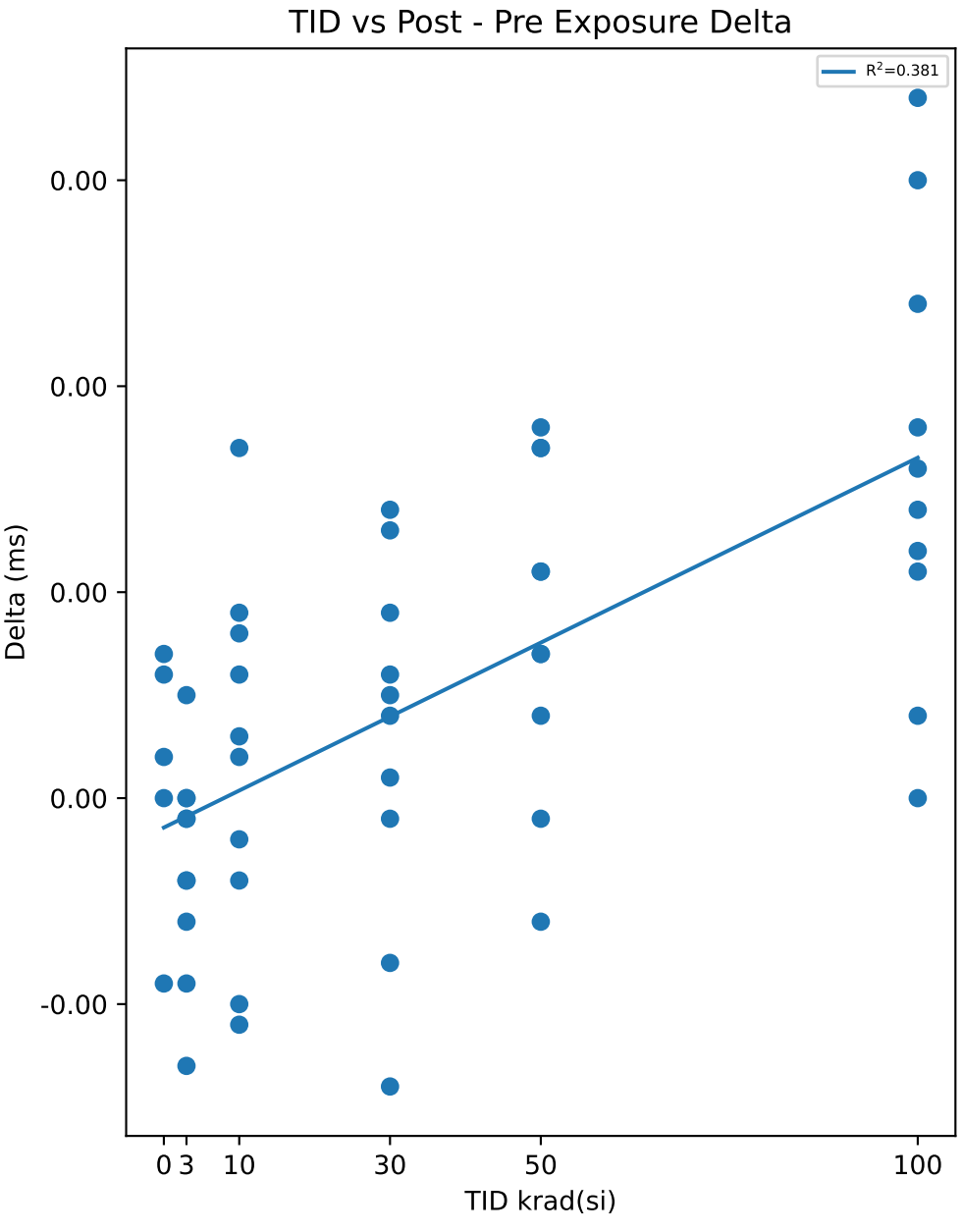
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.268	0.2687	0.0007
2	3	Biased	0.2678	0.2663	-0.0015
3	3	Biased	0.2754	0.2738	-0.0016
4	3	Biased	0.2754	0.2739	-0.0015
5	3	Biased	0.2731	0.2742	0.0011
6	3	Unbiased	0.2663	0.2665	0.0002
7	3	Unbiased	0.2726	0.2736	0.001
8	3	Unbiased	0.2646	0.2651	0.0005
9	3	Unbiased	0.266	0.2649	-0.0011
10	3	Unbiased	0.2667	0.2675	0.0008
11	10	Biased	0.2736	0.2745	0.0009
12	10	Biased	0.268	0.2683	0.0003
13	10	Biased	0.2674	0.2663	-0.0011
14	10	Biased	0.277	0.2768	-0.0002
15	10	Biased	0.2743	0.2751	0.0008
16	10	Unbiased	0.2731	0.2741	0.001
17	10	Unbiased	0.2746	0.2757	0.0011
18	10	Unbiased	0.2679	0.2674	-0.0005
19	10	Unbiased	0.2755	0.275	-0.0005
20	10	Unbiased	0.2753	0.2754	0.0001
21	30	Biased	0.2681	0.2677	-0.0004
22	30	Biased	0.269	0.2688	-0.0002
23	30	Biased	0.2734	0.2755	0.0021
24	30	Biased	0.276	0.2783	0.0023
25	30	Biased	0.276	0.2775	0.0015
26	30	Unbiased	0.2671	0.2667	-0.0004
27	30	Unbiased	0.2738	0.2742	0.0004
28	30	Unbiased	0.267	0.2662	-0.0008
29	30	Unbiased	0.266	0.2662	0.0002
30	30	Unbiased	0.2747	0.2758	0.0011
31	50	Biased	0.2648	0.2653	0.0005
32	50	Biased	0.276	0.2775	0.0015
33	50	Biased	0.2679	0.2687	0.0008
34	50	Biased	0.2657	0.2661	0.0004
35	50	Biased	0.2737	0.2745	0.0008
36	50	Unbiased	0.2771	0.2767	-0.0004
37	50	Unbiased	0.2662	0.2664	0.0002
38	50	Unbiased	0.2763	0.2776	0.0013
39	50	Unbiased	0.269	0.2708	0.0018
40	50	Unbiased	0.269	0.269	0
41	100	Biased	0.2753	0.2778	0.0025
42	100	Biased	0.267	0.2692	0.0022
43	100	Biased	0.2671	0.2675	0.0004
44	100	Biased	0.2674	0.2705	0.0031
45	100	Biased	0.269	0.2706	0.0016
46	100	Unbiased	0.2674	0.2673	-0.0001
47	100	Unbiased	0.2664	0.2687	0.0023
48	100	Unbiased	0.276	0.278	0.002
49	100	Unbiased	0.2749	0.2769	0.002
50	100	Unbiased	0.2767	0.2778	0.0011
51	0	Correlation	0.2752	0.2738	-0.0014
52	0	Correlation	0.2753	0.2743	-0.001
53	0	Correlation	0.2739	0.2747	0.0008
54	0	Correlation	0.2737	0.2746	0.0009
55	0	Correlation	0.268	0.2681	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	0.268	0.27322	0.2753	0.0030078	0.2681	0.2731	0.2747	0.0028169	-0.0014	-0.00012	0.0009	0.0010426
3	0.2646	0.26959	0.2754	0.004104	0.2649	0.26945	0.2742	0.0039599	-0.0016	-0.00014	0.0011	0.0011404
10	0.2674	0.27267	0.277	0.0035503	0.2663	0.27286	0.2768	0.0039087	-0.0011	0.00019	0.0011	0.00075638
30	0.266	0.27111	0.276	0.0040248	0.2662	0.27169	0.2783	0.0049957	-0.0008	0.00058	0.0023	0.0011053
50	0.2648	0.27057	0.2771	0.0047483	0.2653	0.27126	0.2776	0.0049088	-0.0004	0.00069	0.0018	0.00069194
100	0.2664	0.27072	0.2767	0.0043805	0.2673	0.27243	0.278	0.0046034	-0.0001	0.00171	0.0031	0.00098257

Device Test: 5.26; DLY_TMR_10KOHM





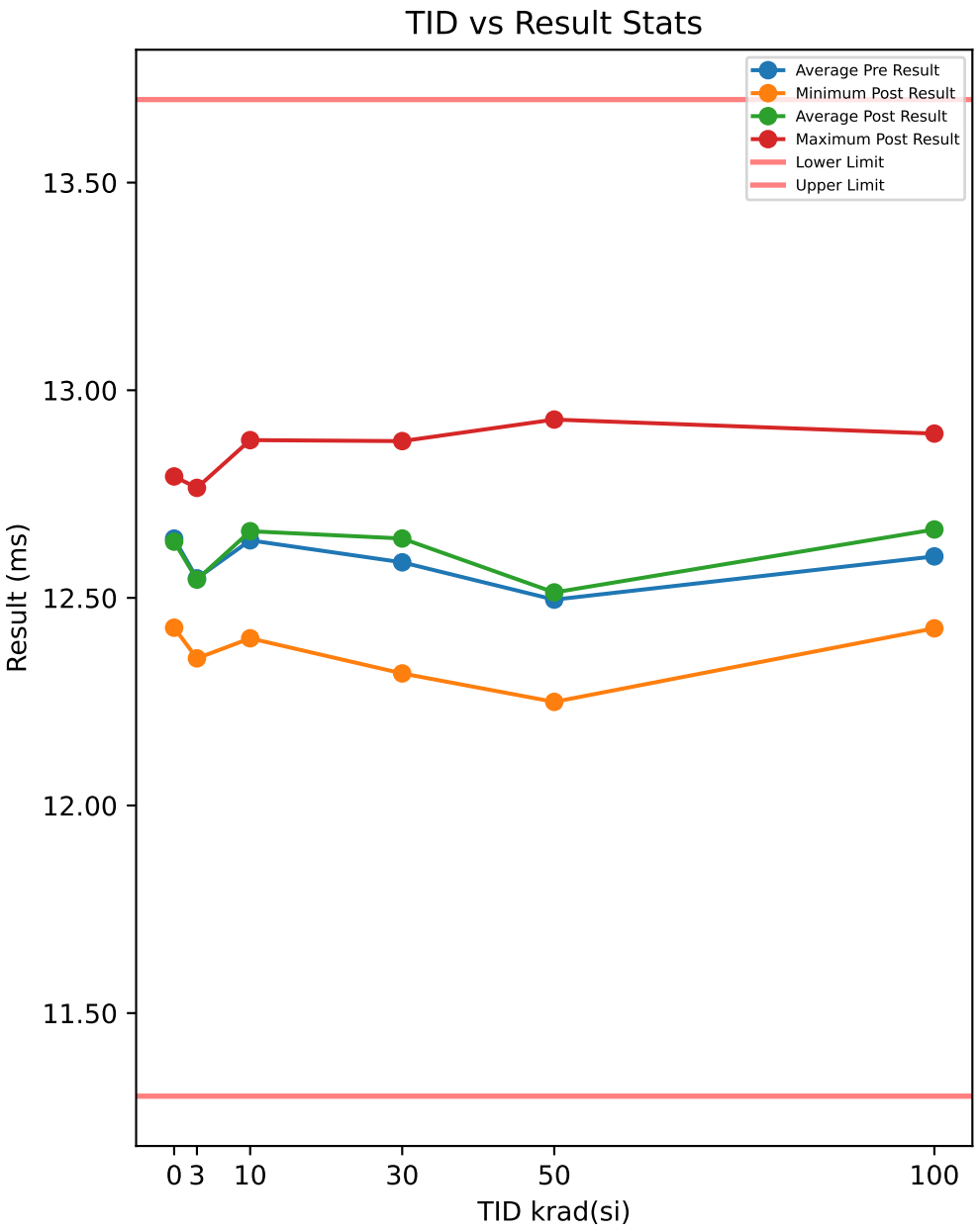
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

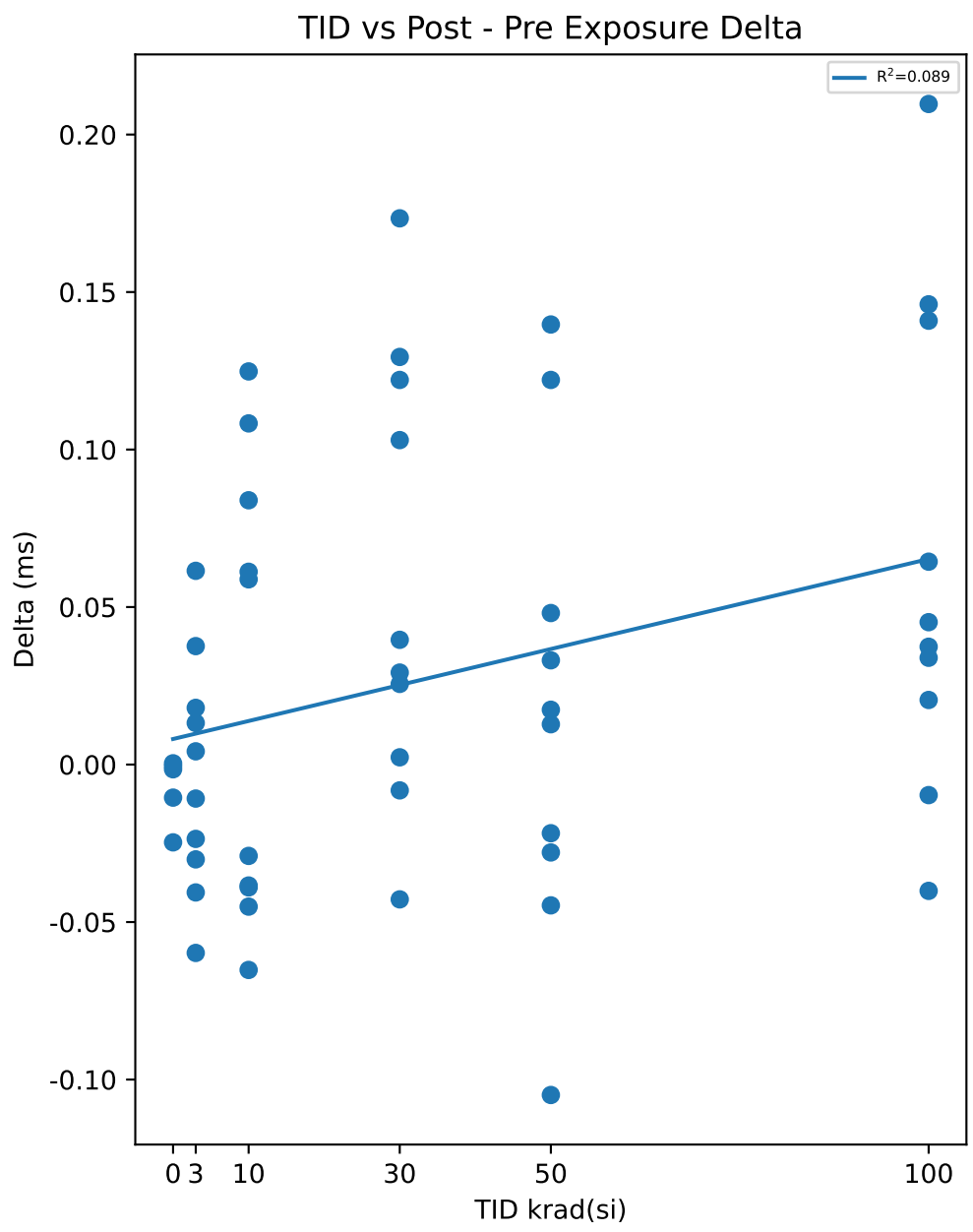
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2694	0.2685	-0.0009
2	3	Biased	0.2679	0.2675	-0.0004
3	3	Biased	0.2745	0.2745	0
4	3	Biased	0.2744	0.2744	0
5	3	Biased	0.2731	0.273	-0.0001
6	3	Unbiased	0.2665	0.2664	-0.0001
7	3	Unbiased	0.2735	0.2729	-0.0006
8	3	Unbiased	0.2658	0.2654	-0.0004
9	3	Unbiased	0.2658	0.2663	0.0005
10	3	Unbiased	0.2679	0.2666	-0.0013
11	10	Biased	0.2743	0.2752	0.0009
12	10	Biased	0.2682	0.2671	-0.0011
13	10	Biased	0.2666	0.2674	0.0008
14	10	Biased	0.2754	0.2756	0.0002
15	10	Biased	0.2742	0.2745	0.0003
16	10	Unbiased	0.2742	0.2738	-0.0004
17	10	Unbiased	0.2754	0.276	0.0006
18	10	Unbiased	0.2667	0.2665	-0.0002
19	10	Unbiased	0.2746	0.2763	0.0017
20	10	Unbiased	0.2752	0.2742	-0.001
21	30	Biased	0.2675	0.2679	0.0004
22	30	Biased	0.2689	0.2698	0.0009
23	30	Biased	0.2752	0.2757	0.0005
24	30	Biased	0.2765	0.2779	0.0014
25	30	Biased	0.2769	0.2768	-0.0001
26	30	Unbiased	0.2678	0.267	-0.0008
27	30	Unbiased	0.2743	0.2749	0.0006
28	30	Unbiased	0.2674	0.266	-0.0014
29	30	Unbiased	0.2666	0.2679	0.0013
30	30	Unbiased	0.2755	0.2756	0.0001
31	50	Biased	0.2651	0.2645	-0.0006
32	50	Biased	0.2776	0.2783	0.0007
33	50	Biased	0.2689	0.27	0.0011
34	50	Biased	0.2665	0.2672	0.0007
35	50	Biased	0.2737	0.2741	0.0004
36	50	Unbiased	0.2761	0.2778	0.0017
37	50	Unbiased	0.2656	0.2667	0.0011
38	50	Unbiased	0.2766	0.2784	0.0018
39	50	Unbiased	0.2687	0.2704	0.0017
40	50	Unbiased	0.2688	0.2687	-0.0001
41	100	Biased	0.2756	0.2772	0.0016
42	100	Biased	0.2666	0.2696	0.003
43	100	Biased	0.2664	0.2688	0.0024
44	100	Biased	0.2681	0.2715	0.0034
45	100	Biased	0.2703	0.2703	0
46	100	Unbiased	0.2665	0.2677	0.0012
47	100	Unbiased	0.2664	0.2682	0.0018
48	100	Unbiased	0.2761	0.2775	0.0014
49	100	Unbiased	0.2754	0.2758	0.0004
50	100	Unbiased	0.2773	0.2784	0.0011
51	0	Correlation	0.2738	0.2744	0.0006
52	0	Correlation	0.2754	0.2761	0.0007
53	0	Correlation	0.2743	0.2745	0.0002
54	0	Correlation	0.2754	0.2745	-0.0009
55	0	Correlation	0.2685	0.2685	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	0.2685	0.27348	0.2754	0.00287	0.2685	0.2736	0.2761	0.0029377	-0.0009	0.00012	0.0007	0.00063797
3	0.2658	0.26988	0.2745	0.0036215	0.2654	0.26955	0.2745	0.0036948	-0.0013	-0.00033	0.0005	0.00051218
10	0.2666	0.27248	0.2754	0.003719	0.2665	0.27266	0.2763	0.0039873	-0.0011	0.00018	0.0017	0.00087661
30	0.2666	0.27166	0.2769	0.0043295	0.266	0.27195	0.2779	0.0046229	-0.0014	0.00029	0.0014	0.00088248
50	0.2651	0.27076	0.2776	0.0047889	0.2645	0.27161	0.2784	0.0051855	-0.0006	0.00085	0.0018	0.00079757
100	0.2664	0.27087	0.2773	0.0046771	0.2677	0.2725	0.2784	0.004246	0	0.00163	0.0034	0.0010709

Device Test: 5.27; DLY_TMR_500KOHM





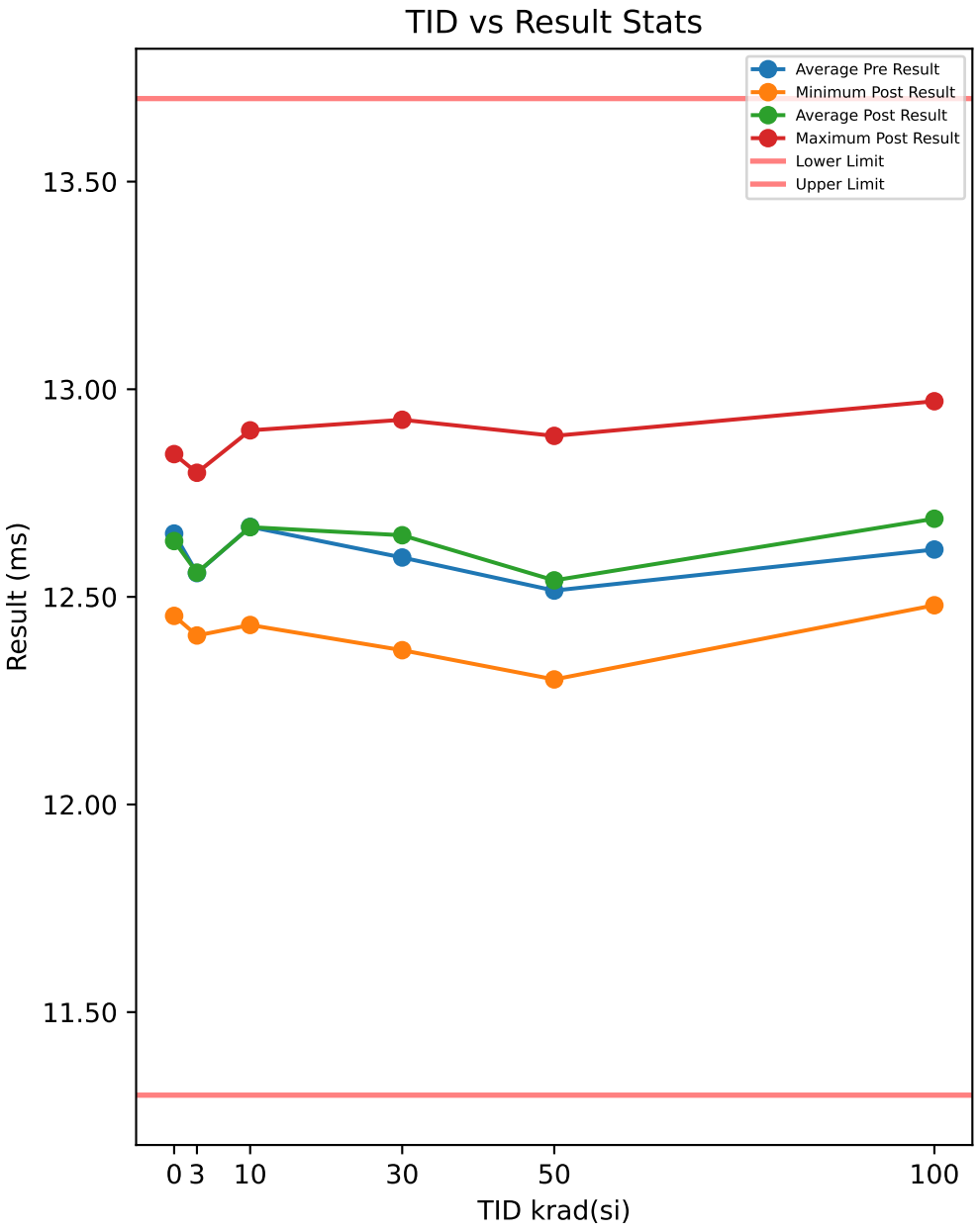
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

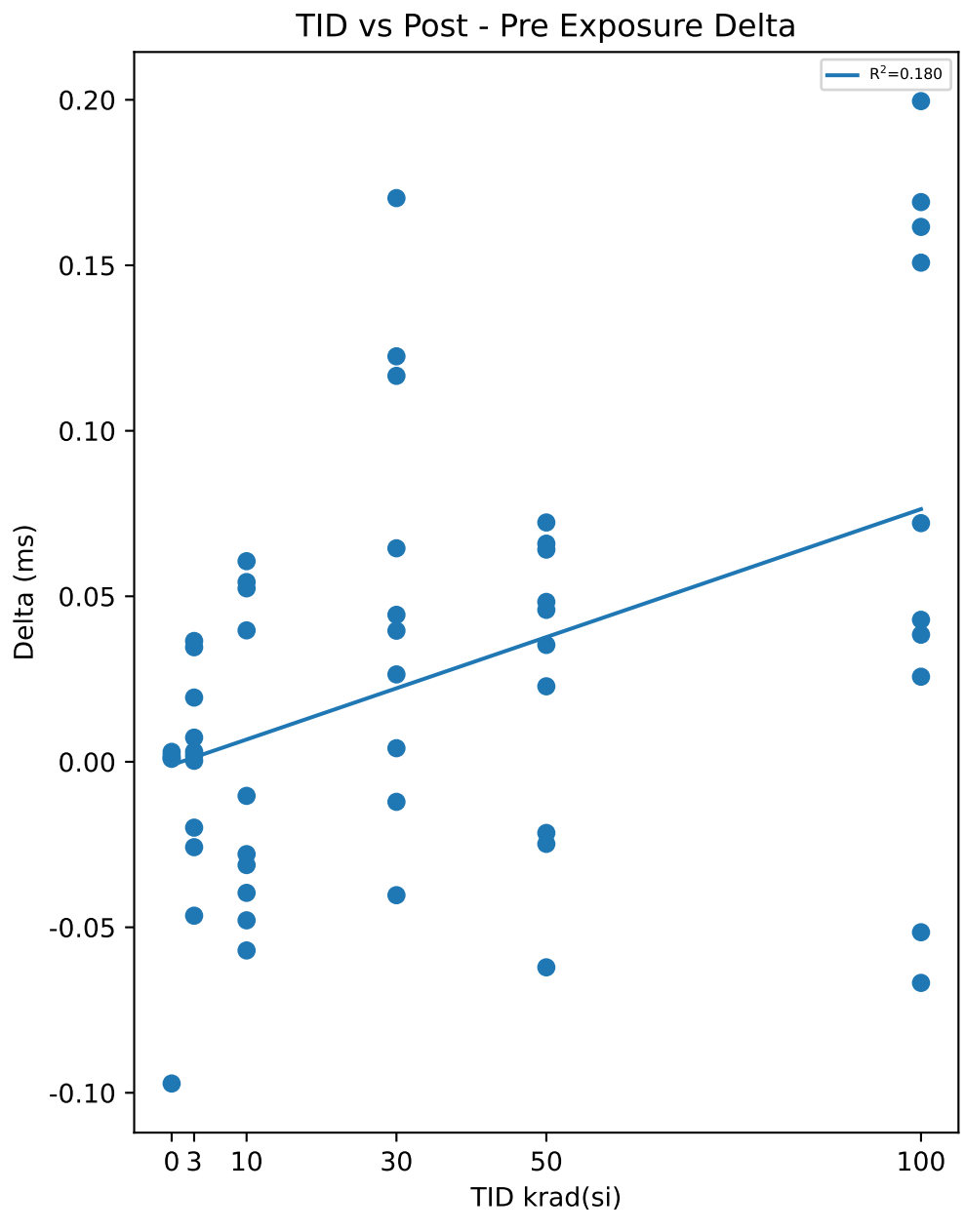
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.703	12.765	0.0615
2	3	Biased	12.507	12.484	-0.0236
3	3	Biased	12.638	12.578	-0.0598
4	3	Biased	12.745	12.75	0.0042
5	3	Biased	12.611	12.571	-0.0406
6	3	Unbiased	12.336	12.354	0.018
7	3	Unbiased	12.468	12.457	-0.0108
8	3	Unbiased	12.413	12.426	0.0132
9	3	Unbiased	12.591	12.628	0.0376
10	3	Unbiased	12.457	12.427	-0.0301
11	10	Biased	12.501	12.56	0.0588
12	10	Biased	12.487	12.458	-0.029
13	10	Biased	12.441	12.403	-0.0384
14	10	Biased	12.796	12.88	0.0839
15	10	Biased	12.583	12.517	-0.0652
16	10	Unbiased	12.762	12.871	0.1083
17	10	Unbiased	12.69	12.815	0.1248
18	10	Unbiased	12.637	12.598	-0.039
19	10	Unbiased	12.736	12.691	-0.0451
20	10	Unbiased	12.752	12.813	0.0612
21	30	Biased	12.679	12.682	0.0023
22	30	Biased	12.674	12.7	0.0256
23	30	Biased	12.461	12.453	-0.0082
24	30	Biased	12.654	12.777	0.1221
25	30	Biased	12.721	12.85	0.1294
26	30	Unbiased	12.63	12.659	0.0292
27	30	Unbiased	12.621	12.724	0.103
28	30	Unbiased	12.361	12.318	-0.0428
29	30	Unbiased	12.351	12.391	0.0396
30	30	Unbiased	12.704	12.877	0.1734
31	50	Biased	12.355	12.388	0.0331
32	50	Biased	12.79	12.929	0.1397
33	50	Biased	12.303	12.281	-0.0218
34	50	Biased	12.354	12.249	-0.1049
35	50	Biased	12.719	12.675	-0.0447
36	50	Unbiased	12.738	12.71	-0.0279
37	50	Unbiased	12.323	12.34	0.0174
38	50	Unbiased	12.687	12.809	0.1221
39	50	Unbiased	12.333	12.346	0.0128
40	50	Unbiased	12.355	12.403	0.0481
41	100	Biased	12.729	12.689	-0.0401
42	100	Biased	12.575	12.595	0.0205
43	100	Biased	12.389	12.427	0.0374
44	100	Biased	12.443	12.489	0.0452
45	100	Biased	12.505	12.495	-0.0097
46	100	Unbiased	12.715	12.78	0.0644
47	100	Unbiased	12.52	12.661	0.1409
48	100	Unbiased	12.686	12.896	0.2097
49	100	Unbiased	12.712	12.746	0.0339
50	100	Unbiased	12.725	12.871	0.1461
51	0	Correlation	12.5	12.49	-0.0105
52	0	Correlation	12.793	12.792	-0.0005
53	0	Correlation	12.758	12.758	0.0004
54	0	Correlation	12.71	12.709	-0.0015
55	0	Correlation	12.453	12.428	-0.0247

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	12.453	12.643	12.793	0.1554	12.428	12.635	12.792	0.1652	-0.0247	-0.00736	0.0004	0.010632
3	12.336	12.547	12.745	0.13185	12.354	12.544	12.765	0.13939	-0.0598	-0.00304	0.0615	0.037154
10	12.441	12.638	12.796	0.12868	12.403	12.661	12.88	0.17705	-0.0652	0.02203	0.1248	0.072122
30	12.351	12.586	12.721	0.14058	12.318	12.643	12.877	0.19226	-0.0428	0.05736	0.1734	0.070244
50	12.303	12.496	12.79	0.20684	12.249	12.513	12.929	0.24378	-0.1049	0.01739	0.1397	0.074186
100	12.389	12.6	12.729	0.12929	12.427	12.665	12.896	0.16242	-0.0401	0.06483	0.2097	0.077462

Device Test: 5.28; DLY_TMR_500KOHM





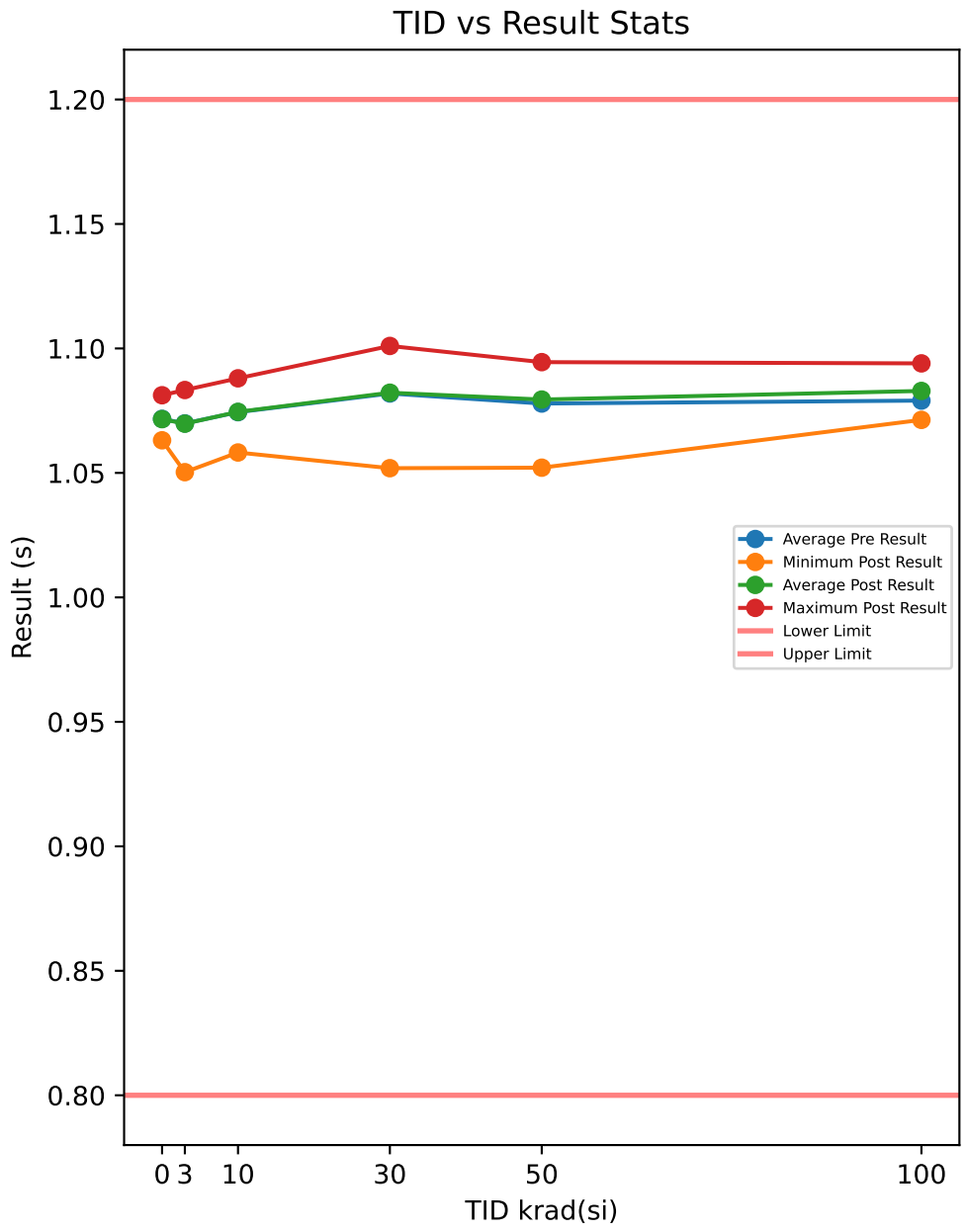
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.758	12.732	-0.0258
2	3	Biased	12.46	12.467	0.0073
3	3	Biased	12.59	12.592	0.0019
4	3	Biased	12.796	12.799	0.0031
5	3	Biased	12.563	12.599	0.0365
6	3	Unbiased	12.388	12.407	0.0194
7	3	Unbiased	12.508	12.508	0.0003
8	3	Unbiased	12.462	12.416	-0.0465
9	3	Unbiased	12.542	12.576	0.0346
10	3	Unbiased	12.507	12.487	-0.0199
11	10	Biased	12.55	12.51	-0.0396
12	10	Biased	12.538	12.51	-0.0279
13	10	Biased	12.489	12.432	-0.057
14	10	Biased	12.847	12.901	0.0543
15	10	Biased	12.534	12.502	-0.0312
16	10	Unbiased	12.812	12.873	0.0606
17	10	Unbiased	12.739	12.792	0.0524
18	10	Unbiased	12.592	12.582	-0.0103
19	10	Unbiased	12.785	12.738	-0.0479
20	10	Unbiased	12.8	12.84	0.0397
21	30	Biased	12.642	12.63	-0.0121
22	30	Biased	12.627	12.692	0.0645
23	30	Biased	12.512	12.516	0.0041
24	30	Biased	12.691	12.736	0.0444
25	30	Biased	12.756	12.927	0.1703
26	30	Unbiased	12.583	12.609	0.0264
27	30	Unbiased	12.573	12.689	0.1166
28	30	Unbiased	12.412	12.372	-0.0403
29	30	Unbiased	12.403	12.443	0.0396
30	30	Unbiased	12.749	12.872	0.1225
31	50	Biased	12.392	12.458	0.0659
32	50	Biased	12.839	12.888	0.0483
33	50	Biased	12.354	12.333	-0.0215
34	50	Biased	12.326	12.301	-0.0248
35	50	Biased	12.669	12.607	-0.0621
36	50	Unbiased	12.69	12.762	0.0723
37	50	Unbiased	12.368	12.404	0.0353
38	50	Unbiased	12.725	12.789	0.0641
39	50	Unbiased	12.381	12.404	0.0228
40	50	Unbiased	12.406	12.452	0.0459
41	100	Biased	12.787	12.735	-0.0515
42	100	Biased	12.526	12.598	0.0721
43	100	Biased	12.441	12.48	0.0384
44	100	Biased	12.494	12.537	0.0429
45	100	Biased	12.481	12.507	0.0257
46	100	Unbiased	12.668	12.837	0.1691
47	100	Unbiased	12.471	12.622	0.1508
48	100	Unbiased	12.738	12.899	0.1616
49	100	Unbiased	12.762	12.695	-0.0668
50	100	Unbiased	12.771	12.971	0.1996
51	0	Correlation	12.551	12.454	-0.0972
52	0	Correlation	12.842	12.844	0.0019
53	0	Correlation	12.707	12.708	0.0011
54	0	Correlation	12.658	12.659	0.0009
55	0	Correlation	12.504	12.507	0.003

Test Statistics (ms)

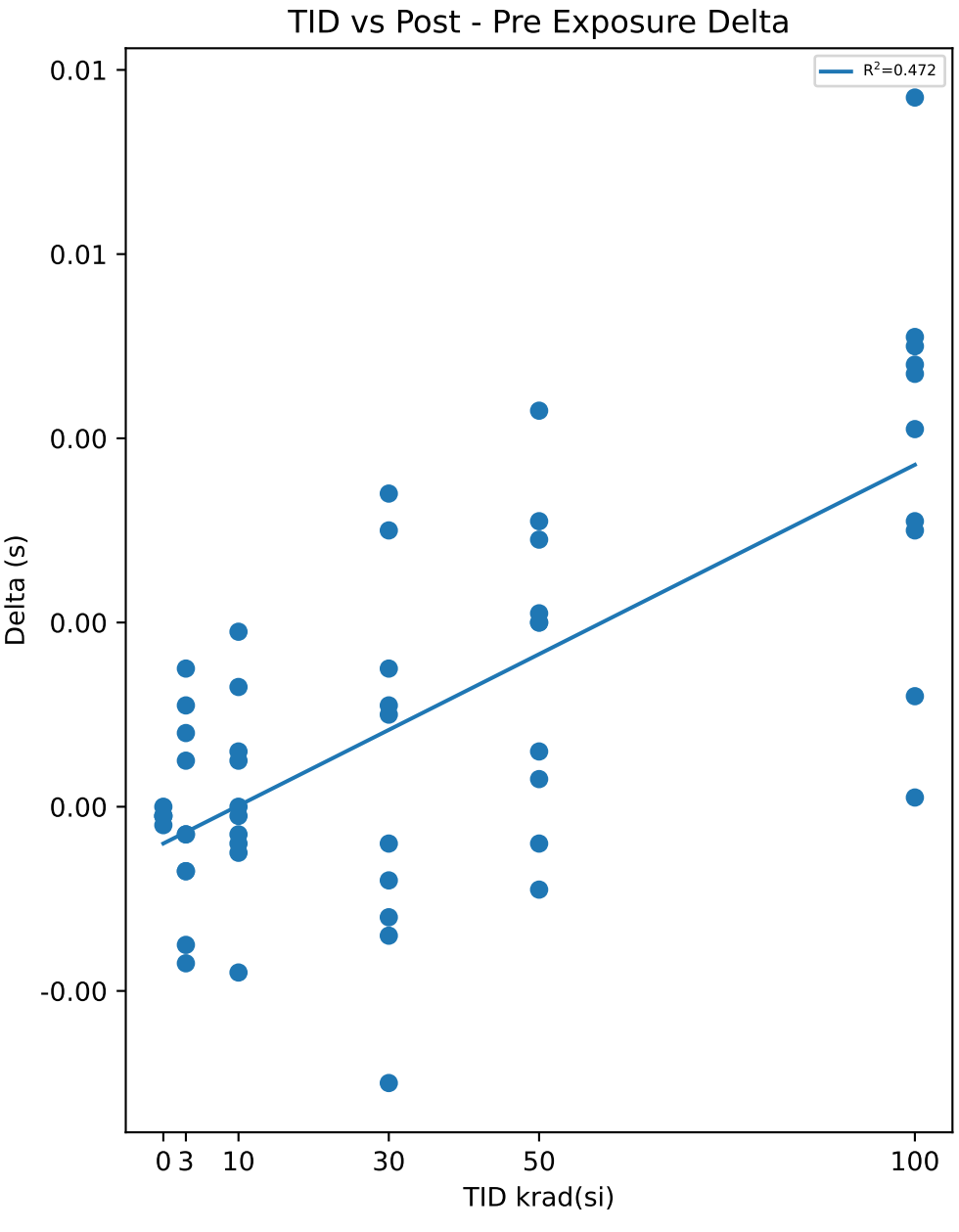
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.504	12.652	12.842	0.1335	12.454	12.634	12.844	0.15711	-0.0972	-0.01806	0.003	0.044248
3	12.388	12.557	12.796	0.12937	12.407	12.558	12.799	0.12917	-0.0465	0.00109	0.0365	0.026214
10	12.489	12.669	12.847	0.13979	12.432	12.668	12.901	0.17838	-0.057	-0.00069	0.0606	0.047031
30	12.403	12.595	12.756	0.12477	12.372	12.648	12.927	0.17533	-0.0403	0.0536	0.1703	0.065877
50	12.326	12.515	12.839	0.19191	12.301	12.54	12.888	0.20764	-0.0621	0.02462	0.0723	0.045652
100	12.441	12.614	12.787	0.14325	12.48	12.688	12.971	0.17021	-0.0668	0.07419	0.1996	0.093415

Device Test: 5.29; WD_TMR_500KOHM



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

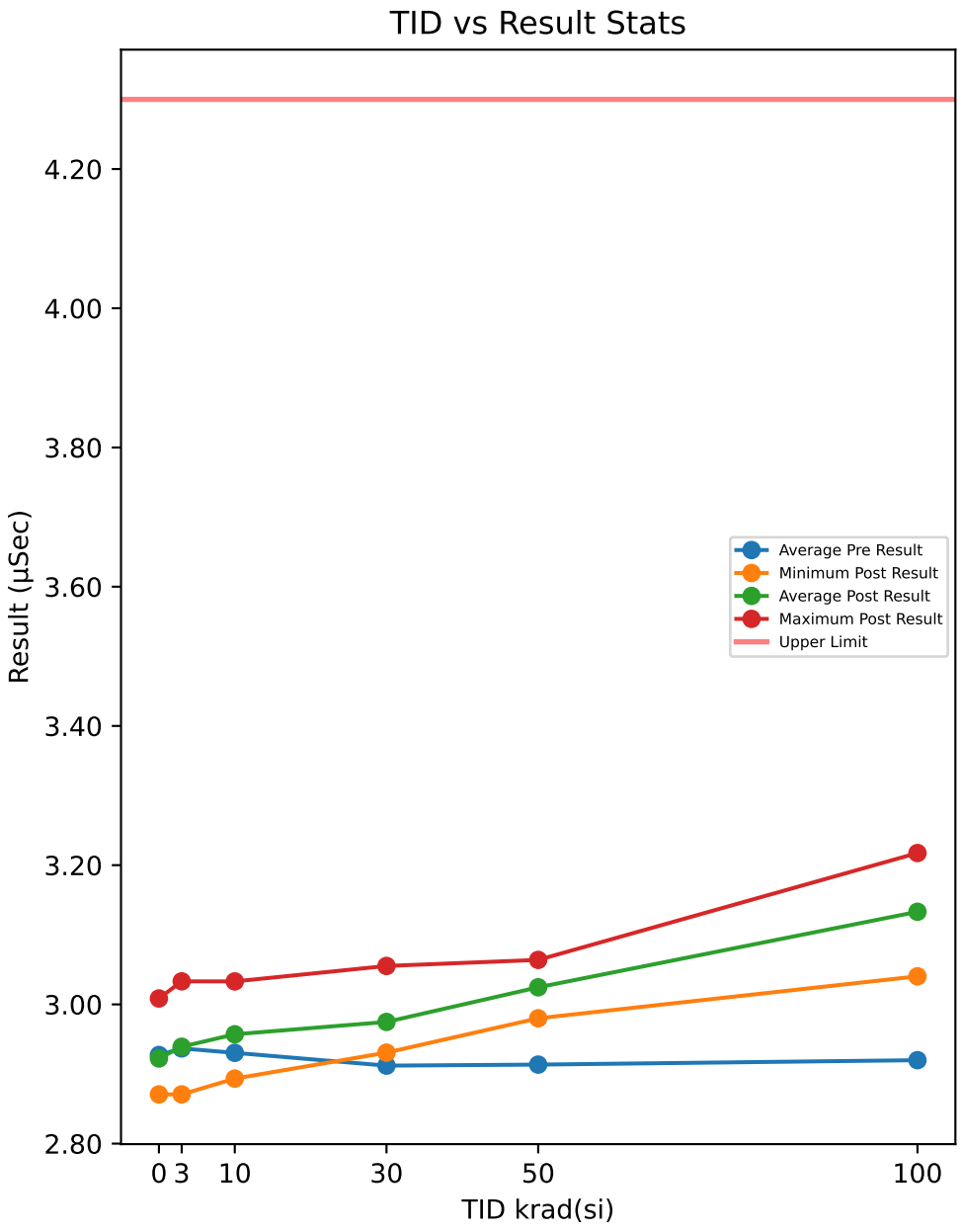
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.0825	1.0833	0.0008
2	3	Biased	1.0492	1.0503	0.0011
3	3	Biased	1.0746	1.0729	-0.0017
4	3	Biased	1.0759	1.0744	-0.0015
5	3	Biased	1.0819	1.0816	-0.0003
6	3	Unbiased	1.0726	1.0723	-0.0003
7	3	Unbiased	1.0649	1.0654	0.0005
8	3	Unbiased	1.0639	1.0654	0.0015
9	3	Unbiased	1.0694	1.0687	-0.0007
10	3	Unbiased	1.0641	1.0634	-0.0007
11	10	Biased	1.0729	1.0729	0
12	10	Biased	1.0766	1.0762	-0.0004
13	10	Biased	1.0789	1.0786	-0.0003
14	10	Biased	1.0881	1.088	-0.0001
15	10	Biased	1.0606	1.0625	0.0019
16	10	Unbiased	1.0814	1.0809	-0.0005
17	10	Unbiased	1.0818	1.0831	0.0013
18	10	Unbiased	1.0715	1.0721	0.0006
19	10	Unbiased	1.0577	1.0582	0.0005
20	10	Unbiased	1.0745	1.0727	-0.0018
21	30	Biased	1.0879	1.0875	-0.0004
22	30	Biased	1.0866	1.0854	-0.0012
23	30	Biased	1.076	1.0752	-0.0008
24	30	Biased	1.0838	1.0824	-0.0014
25	30	Biased	1.0509	1.0519	0.001
26	30	Unbiased	1.076	1.0771	0.0011
27	30	Unbiased	1.0762	1.0792	0.003
28	30	Unbiased	1.104	1.101	-0.003
29	30	Unbiased	1.0809	1.0824	0.0015
30	30	Unbiased	1.0967	1.1001	0.0034
31	50	Biased	1.0525	1.0521	-0.0004
32	50	Biased	1.0795	1.0816	0.0021
33	50	Biased	1.0881	1.0884	0.0003
34	50	Biased	1.0738	1.0729	-0.0009
35	50	Biased	1.0829	1.0849	0.002
36	50	Unbiased	1.0739	1.0745	0.0006
37	50	Unbiased	1.0762	1.0805	0.0043
38	50	Unbiased	1.0886	1.0915	0.0029
39	50	Unbiased	1.0914	1.0945	0.0031
40	50	Unbiased	1.0718	1.0738	0.002
41	100	Biased	1.0909	1.094	0.0031
42	100	Biased	1.0792	1.0822	0.003
43	100	Biased	1.0722	1.0773	0.0051
44	100	Biased	1.0884	1.0885	0.0001
45	100	Biased	1.0814	1.0861	0.0047
46	100	Unbiased	1.0859	1.0871	0.0012
47	100	Unbiased	1.0787	1.0864	0.0077
48	100	Unbiased	1.0697	1.0745	0.0048
49	100	Unbiased	1.0672	1.0713	0.0041
50	100	Unbiased	1.0769	1.0819	0.005
51	0	Correlation	1.0774	1.0774	0
52	0	Correlation	1.0632	1.0631	-0.0001
53	0	Correlation	1.0669	1.0668	-0.0001
54	0	Correlation	1.0813	1.0812	-0.0001
55	0	Correlation	1.0697	1.0695	-0.0002

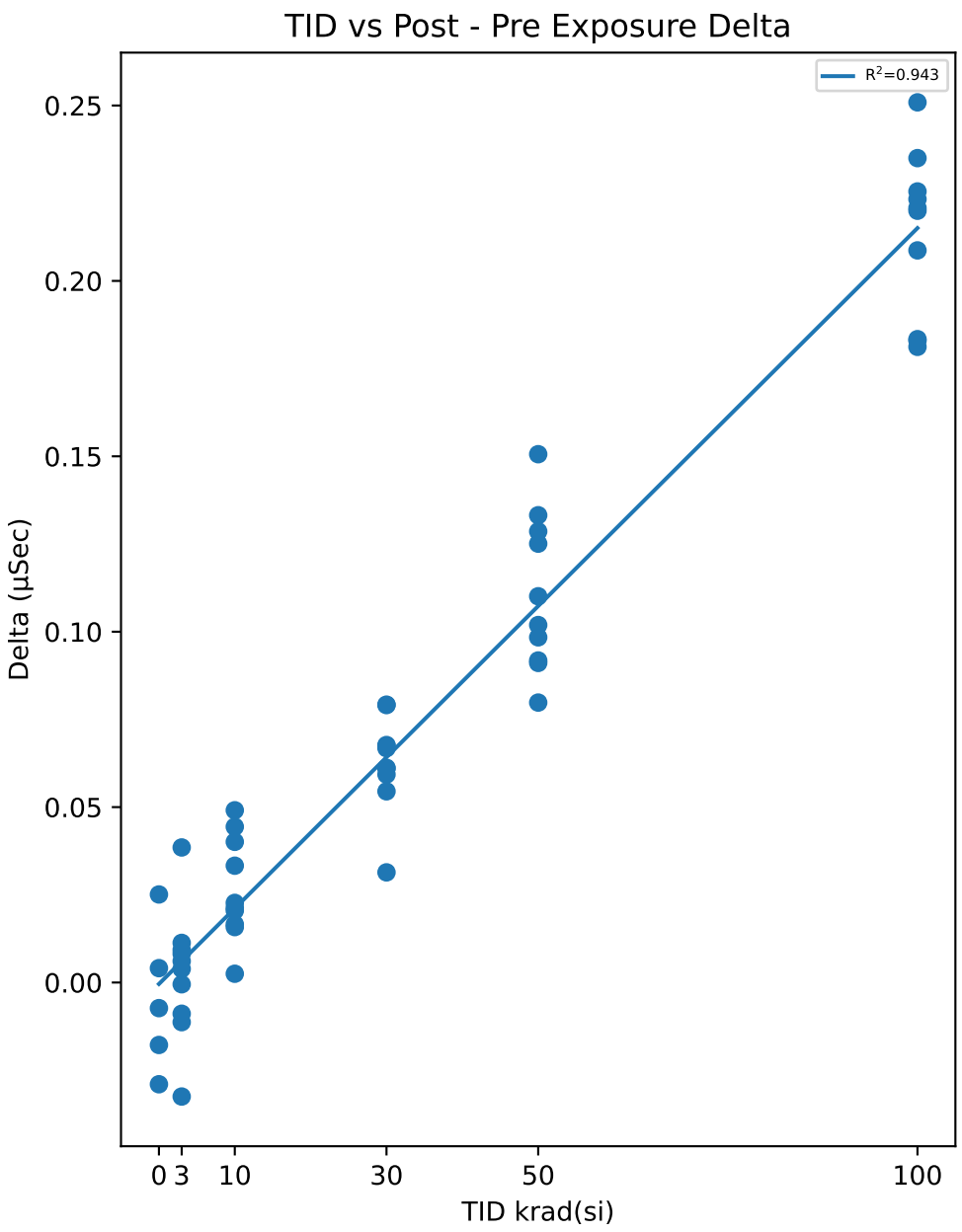


Test Statistics (s)

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	1.0632	1.0717	1.0813	0.0074823	1.0631	1.0716	1.0812	0.0075083	-0.0002	-0.0001	0	7.0711e-05
3	1.0492	1.0699	1.0825	0.0099528	1.0503	1.0698	1.0833	0.0095431	-0.0017	-0.00013	0.0015	0.0010791
10	1.0577	1.0744	1.0881	0.0094077	1.0582	1.0745	1.088	0.0090561	-0.0018	0.00012	0.0019	0.0010283
30	1.0509	1.0819	1.104	0.014272	1.0519	1.0822	1.101	0.013802	-0.003	0.00032	0.0034	0.002033
50	1.0525	1.0779	1.0914	0.011286	1.0521	1.0795	1.0945	0.012177	-0.0009	0.0016	0.0043	0.001658
100	1.0672	1.0791	1.0909	0.0078869	1.0713	1.0829	1.094	0.0069335	0.0001	0.00388	0.0077	0.002154

Device Test: 5.3; PROPD_PWRGD





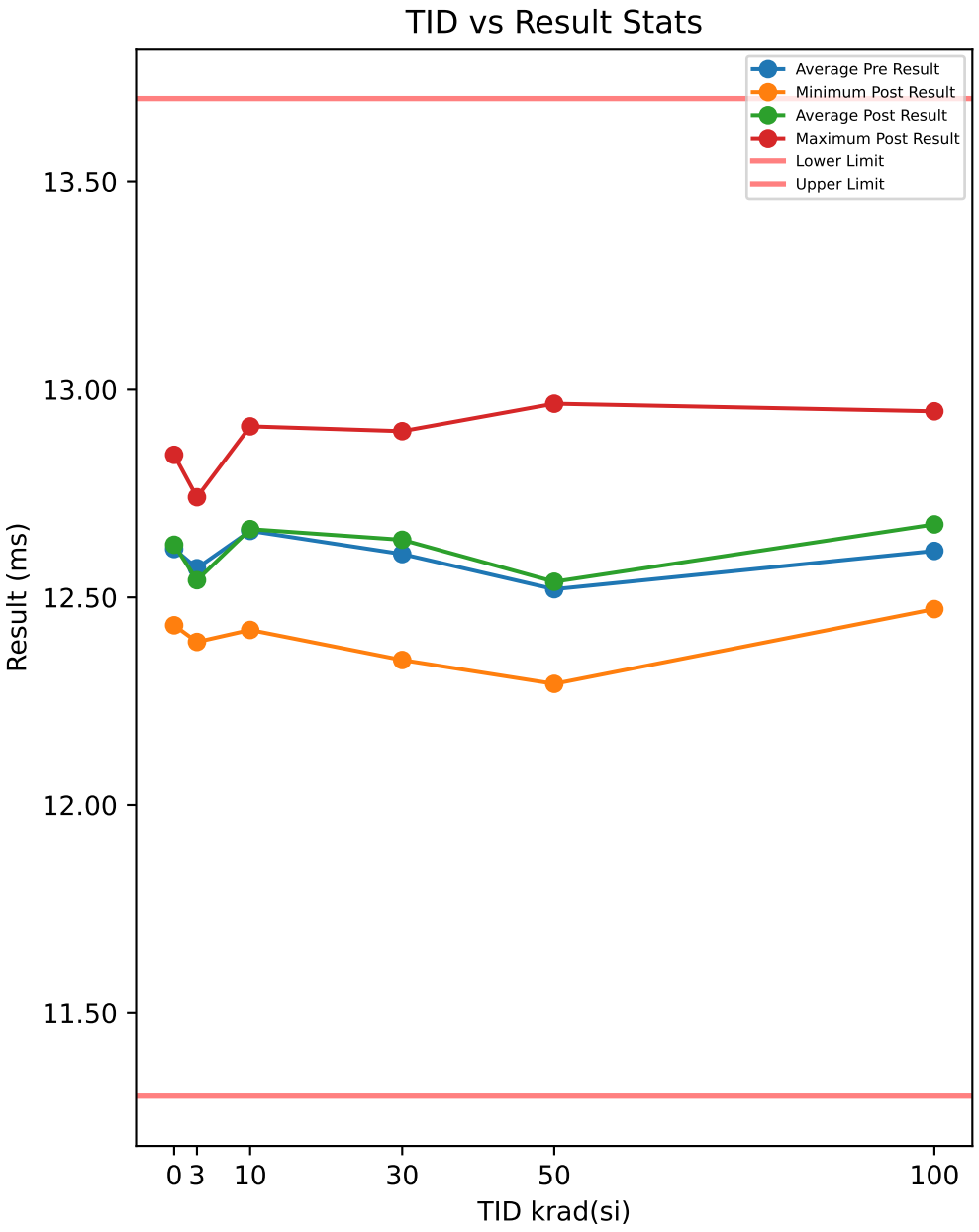
Test Results (Upper Limit = 4.3 (µSec))

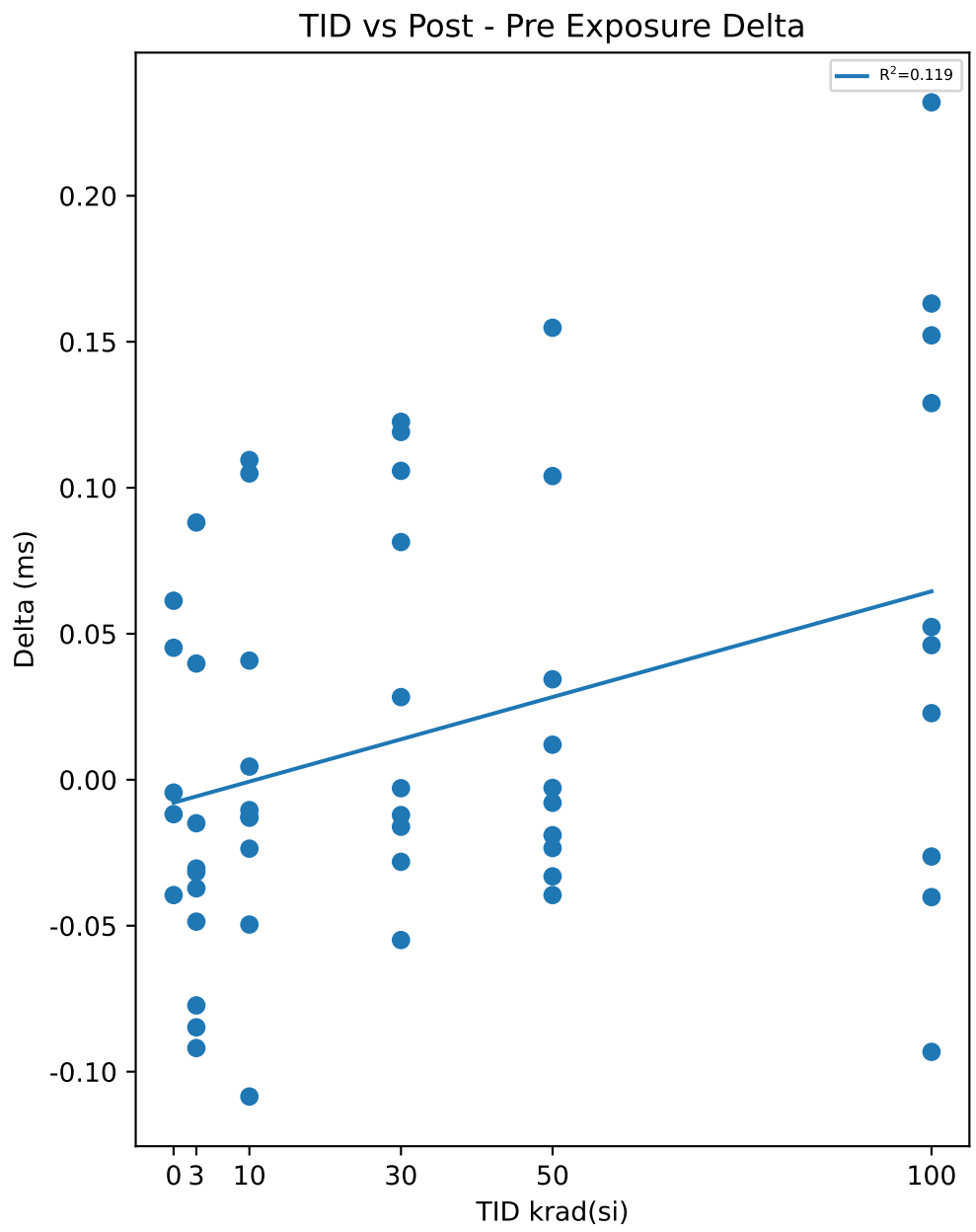
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.9094	2.9089	-0.0005
2	3	Biased	2.9861	2.9772	-0.0089
3	3	Biased	2.9574	2.9656	0.0082
4	3	Biased	2.9055	2.9094	0.0039
5	3	Biased	2.9032	2.8707	-0.0325
6	3	Unbiased	2.8941	2.9002	0.0061
7	3	Unbiased	3.0218	3.0331	0.0113
8	3	Unbiased	2.9178	2.9065	-0.0113
9	3	Unbiased	2.911	2.9495	0.0385
10	3	Unbiased	2.9613	2.9706	0.0093
11	10	Biased	2.8909	2.8934	0.0025
12	10	Biased	2.9141	2.9299	0.0158
13	10	Biased	2.9336	2.9502	0.0166
14	10	Biased	2.8876	2.9209	0.0333
15	10	Biased	2.9144	2.9545	0.0401
16	10	Unbiased	2.9521	2.9748	0.0227
17	10	Unbiased	2.9886	3.033	0.0444
18	10	Unbiased	2.9513	3.0004	0.0491
19	10	Unbiased	2.9119	2.9324	0.0205
20	10	Unbiased	2.9597	2.981	0.0213
21	30	Biased	2.9148	2.9462	0.0314
22	30	Biased	2.8714	2.9307	0.0593
23	30	Biased	2.9884	3.0552	0.0668
24	30	Biased	2.9004	2.9549	0.0545
25	30	Biased	2.9109	2.9786	0.0677
26	30	Unbiased	2.8983	2.9774	0.0791
27	30	Unbiased	2.8984	2.9659	0.0675
28	30	Unbiased	2.915	2.9942	0.0792
29	30	Unbiased	2.892	2.953	0.061
30	30	Unbiased	2.9306	2.9918	0.0612
31	50	Biased	2.9572	3.049	0.0918
32	50	Biased	2.9385	3.0404	0.1019
33	50	Biased	2.8889	2.98	0.0911
34	50	Biased	2.958	3.0378	0.0798
35	50	Biased	2.9655	3.0639	0.0984
36	50	Unbiased	2.8693	3.0199	0.1506
37	50	Unbiased	2.8992	3.0093	0.1101
38	50	Unbiased	2.8736	3.0068	0.1332
39	50	Unbiased	2.9003	3.0254	0.1251
40	50	Unbiased	2.8844	3.013	0.1286
41	100	Biased	2.8813	3.1021	0.2208
42	100	Biased	2.9184	3.0996	0.1812
43	100	Biased	2.9133	3.0967	0.1834
44	100	Biased	2.9431	3.1518	0.2087
45	100	Biased	2.8573	3.0403	0.183
46	100	Unbiased	2.9778	3.2011	0.2233
47	100	Unbiased	2.9648	3.1903	0.2255
48	100	Unbiased	2.9824	3.2174	0.235
49	100	Unbiased	2.895	3.115	0.22
50	100	Unbiased	2.8651	3.116	0.2509
51	0	Correlation	2.8859	2.911	0.0251
52	0	Correlation	3.0044	3.0085	0.0041
53	0	Correlation	2.8997	2.8707	-0.029
54	0	Correlation	2.9293	2.922	-0.0073
55	0	Correlation	2.917	2.8992	-0.0178

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	2.8859	2.9273	3.0044	0.04618	2.8707	2.9223	3.0085	0.051852	-0.029	-0.00498	0.0251	0.02082
3	2.8941	2.9368	3.0218	0.042674	2.8707	2.9392	3.0331	0.048464	-0.0325	0.00241	0.0385	0.018322
10	2.8876	2.9304	2.9886	0.032352	2.8934	2.957	3.033	0.041221	0.0025	0.02663	0.0491	0.014637
30	2.8714	2.912	2.9884	0.031192	2.9307	2.9748	3.0552	0.034743	0.0314	0.06277	0.0792	0.01362
50	2.8693	2.9135	2.9655	0.03741	2.98	3.0246	3.0639	0.024178	0.0798	0.11106	0.1506	0.022485
100	2.8573	2.9198	2.9824	0.045814	3.0403	3.133	3.2174	0.055769	0.1812	0.21318	0.2509	0.0238

Device Test: 5.30; DLY_TMR_500KOHM





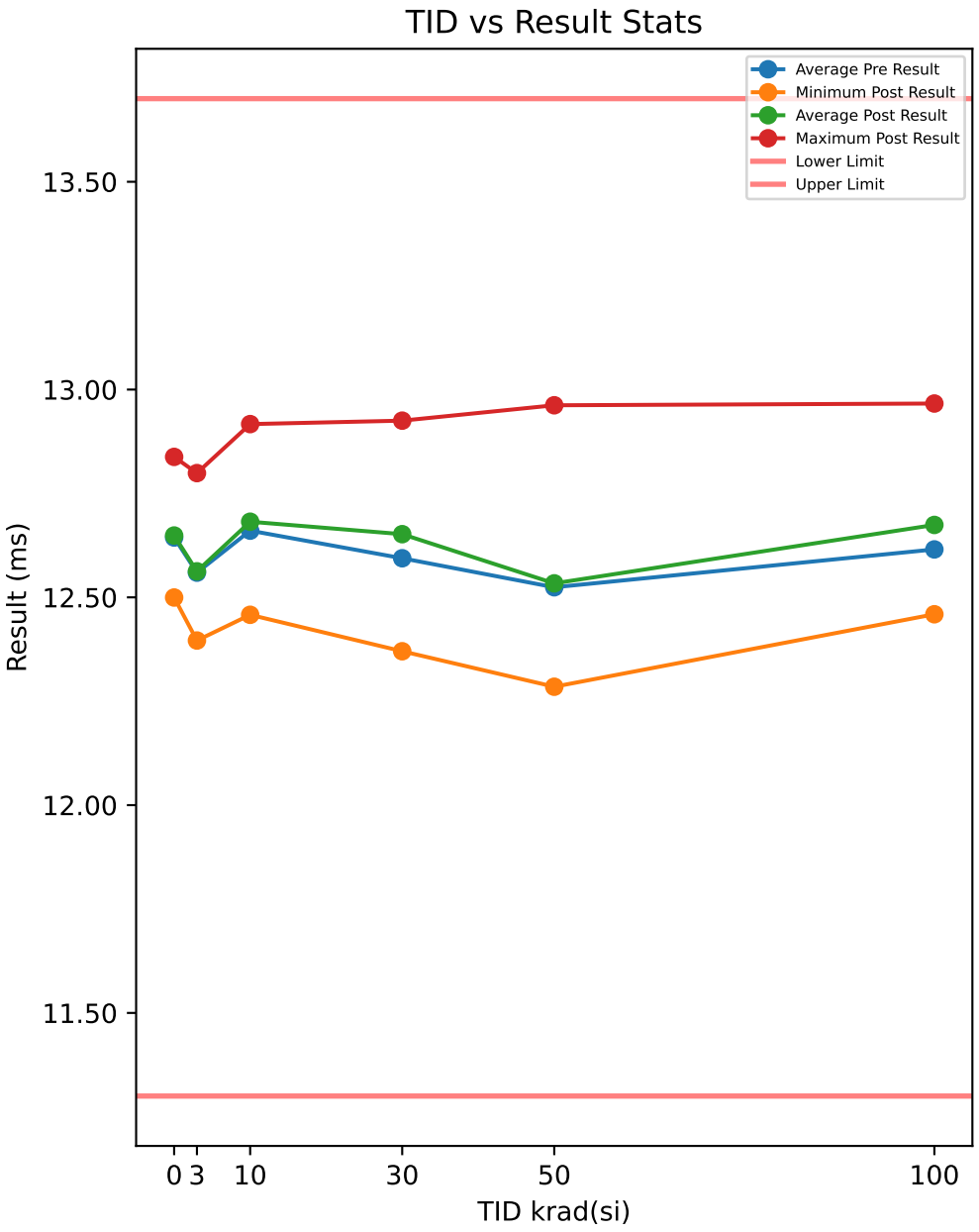
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.775	12.691	-0.0848
2	3	Biased	12.55	12.535	-0.0149
3	3	Biased	12.662	12.625	-0.0372
4	3	Biased	12.79	12.741	-0.0486
5	3	Biased	12.628	12.536	-0.0919
6	3	Unbiased	12.339	12.427	0.0881
7	3	Unbiased	12.498	12.467	-0.0316
8	3	Unbiased	12.423	12.393	-0.0304
9	3	Unbiased	12.534	12.574	0.0398
10	3	Unbiased	12.502	12.425	-0.0773
11	10	Biased	12.508	12.513	0.0045
12	10	Biased	12.489	12.478	-0.0104
13	10	Biased	12.471	12.422	-0.0496
14	10	Biased	12.802	12.912	0.1095
15	10	Biased	12.601	12.493	-0.1085
16	10	Unbiased	12.834	12.875	0.0408
17	10	Unbiased	12.782	12.759	-0.0236
18	10	Unbiased	12.625	12.612	-0.0127
19	10	Unbiased	12.73	12.717	-0.013
20	10	Unbiased	12.756	12.861	0.1049
21	30	Biased	12.632	12.629	-0.0029
22	30	Biased	12.631	12.737	0.1058
23	30	Biased	12.519	12.507	-0.0121
24	30	Biased	12.738	12.722	-0.0161
25	30	Biased	12.781	12.9	0.1191
26	30	Unbiased	12.649	12.621	-0.0281
27	30	Unbiased	12.57	12.651	0.0814
28	30	Unbiased	12.404	12.349	-0.0549
29	30	Unbiased	12.393	12.422	0.0283
30	30	Unbiased	12.724	12.847	0.1226
31	50	Biased	12.405	12.402	-0.0028
32	50	Biased	12.811	12.966	0.1548
33	50	Biased	12.389	12.35	-0.0395
34	50	Biased	12.325	12.292	-0.0331
35	50	Biased	12.682	12.674	-0.0079
36	50	Unbiased	12.716	12.75	0.0344
37	50	Unbiased	12.319	12.423	0.104
38	50	Unbiased	12.768	12.744	-0.0234
39	50	Unbiased	12.395	12.376	-0.019
40	50	Unbiased	12.386	12.398	0.012
41	100	Biased	12.81	12.717	-0.0932
42	100	Biased	12.538	12.591	0.0523
43	100	Biased	12.462	12.485	0.0228
44	100	Biased	12.426	12.472	0.0461
45	100	Biased	12.553	12.526	-0.0263
46	100	Unbiased	12.669	12.821	0.1522
47	100	Unbiased	12.513	12.642	0.129
48	100	Unbiased	12.7	12.863	0.1631
49	100	Unbiased	12.731	12.691	-0.0402
50	100	Unbiased	12.716	12.948	0.232
51	0	Correlation	12.517	12.505	-0.0118
52	0	Correlation	12.782	12.843	0.0613
53	0	Correlation	12.667	12.712	0.0452
54	0	Correlation	12.68	12.64	-0.0395
55	0	Correlation	12.437	12.433	-0.0044

Test Statistics (ms)

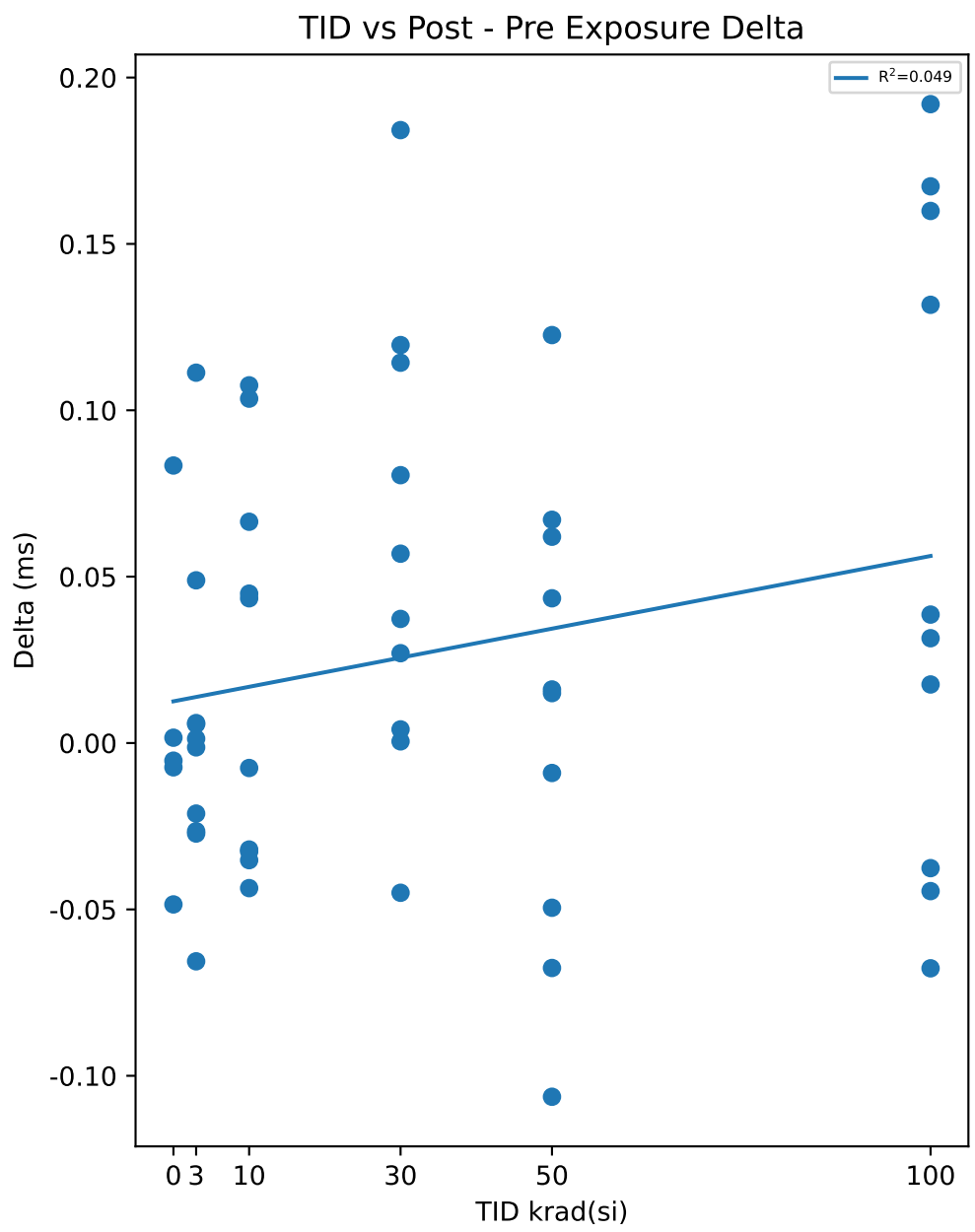
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.437	12.616	12.782	0.13769	12.433	12.627	12.843	0.16323	-0.0395	0.01016	0.0613	0.041843
3	12.339	12.57	12.79	0.14486	12.393	12.541	12.741	0.11766	-0.0919	-0.02888	0.0881	0.056281
10	12.471	12.66	12.834	0.13832	12.422	12.664	12.912	0.18387	-0.1085	0.00419	0.1095	0.066442
30	12.393	12.604	12.781	0.1333	12.349	12.639	12.9	0.17543	-0.0549	0.03431	0.1226	0.066901
50	12.319	12.52	12.811	0.19807	12.292	12.538	12.966	0.2268	-0.0395	0.01795	0.1548	0.0637
100	12.426	12.612	12.81	0.12957	12.472	12.676	12.948	0.16362	-0.0932	0.06378	0.232	0.10324

Device Test: 5.31; DLY_TMR_500KOHM



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

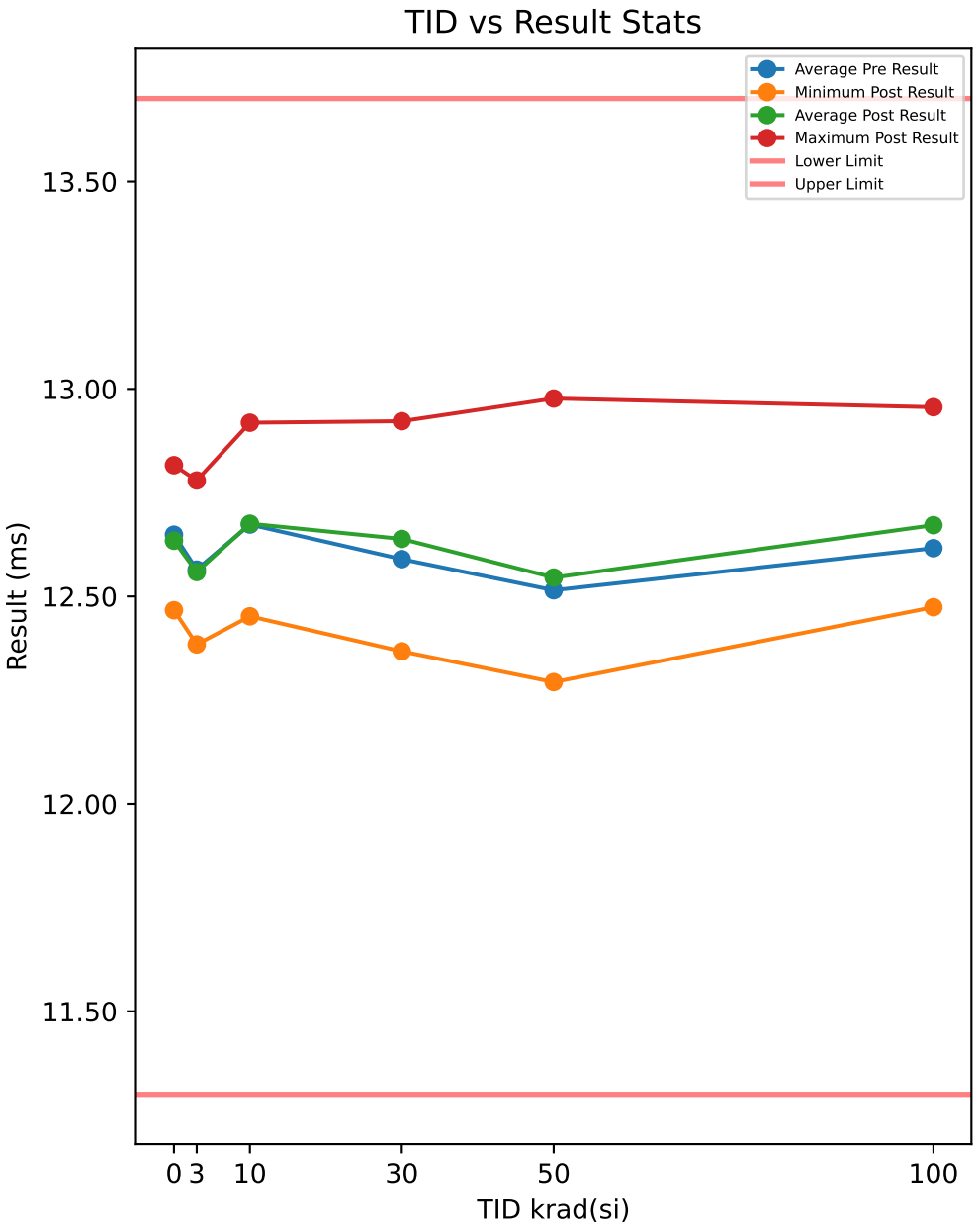
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.76	12.733	-0.0265
2	3	Biased	12.463	12.469	0.006
3	3	Biased	12.592	12.59	-0.0013
4	3	Biased	12.798	12.799	0.0013
5	3	Biased	12.564	12.613	0.0489
6	3	Unbiased	12.39	12.396	0.0057
7	3	Unbiased	12.506	12.479	-0.0272
8	3	Unbiased	12.467	12.401	-0.0656
9	3	Unbiased	12.545	12.656	0.1113
10	3	Unbiased	12.511	12.489	-0.0212
11	10	Biased	12.455	12.563	0.1075
12	10	Biased	12.54	12.508	-0.0326
13	10	Biased	12.493	12.458	-0.0352
14	10	Biased	12.848	12.893	0.0449
15	10	Biased	12.535	12.503	-0.032
16	10	Unbiased	12.813	12.917	0.1035
17	10	Unbiased	12.74	12.806	0.0665
18	10	Unbiased	12.591	12.583	-0.0075
19	10	Unbiased	12.785	12.741	-0.0436
20	10	Unbiased	12.803	12.847	0.0435
21	30	Biased	12.628	12.629	0.0005
22	30	Biased	12.629	12.749	0.1196
23	30	Biased	12.512	12.517	0.0041
24	30	Biased	12.693	12.75	0.0569
25	30	Biased	12.741	12.925	0.1842
26	30	Unbiased	12.586	12.613	0.027
27	30	Unbiased	12.575	12.655	0.0805
28	30	Unbiased	12.415	12.37	-0.045
29	30	Unbiased	12.405	12.442	0.0373
30	30	Unbiased	12.756	12.87	0.1143
31	50	Biased	12.396	12.458	0.062
32	50	Biased	12.84	12.962	0.1226
33	50	Biased	12.356	12.307	-0.0495
34	50	Biased	12.391	12.285	-0.1063
35	50	Biased	12.67	12.603	-0.0676
36	50	Unbiased	12.691	12.758	0.0671
37	50	Unbiased	12.376	12.367	-0.009
38	50	Unbiased	12.727	12.771	0.0435
39	50	Unbiased	12.386	12.403	0.0161
40	50	Unbiased	12.409	12.424	0.015
41	100	Biased	12.784	12.739	-0.0445
42	100	Biased	12.529	12.546	0.0176
43	100	Biased	12.444	12.475	0.0315
44	100	Biased	12.497	12.459	-0.0376
45	100	Biased	12.482	12.521	0.0386
46	100	Unbiased	12.672	12.84	0.1673
47	100	Unbiased	12.471	12.631	0.1599
48	100	Unbiased	12.737	12.869	0.1317
49	100	Unbiased	12.764	12.696	-0.0677
50	100	Unbiased	12.774	12.966	0.192
51	0	Correlation	12.455	12.538	0.0834
52	0	Correlation	12.843	12.838	-0.0053
53	0	Correlation	12.707	12.709	0.0016
54	0	Correlation	12.707	12.659	-0.0485
55	0	Correlation	12.507	12.5	-0.0073

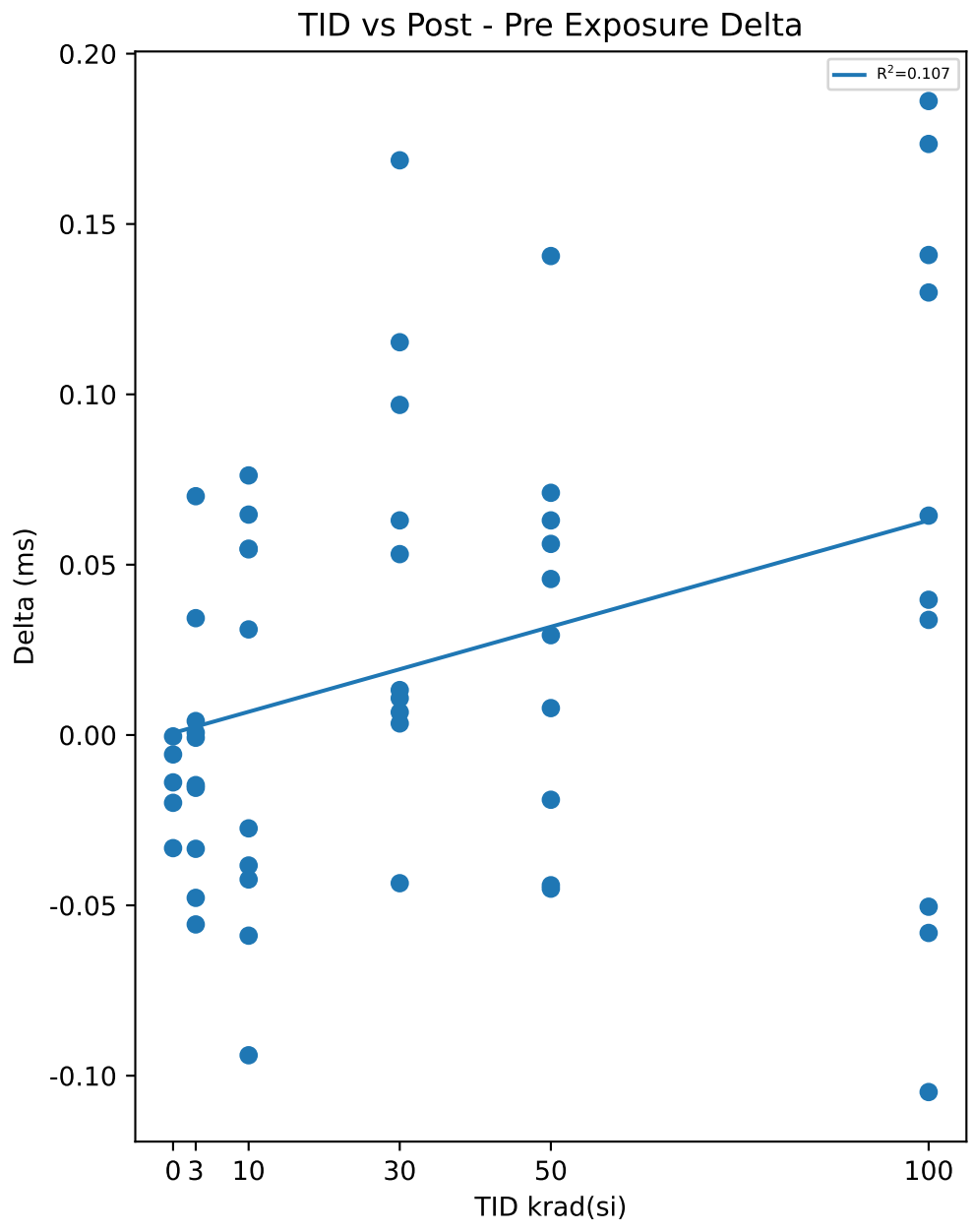


Test Statistics (ms)

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	12.455	12.644	12.843	0.15994	12.5	12.649	12.838	0.13601	-0.0485	0.00478	0.0834	0.04816
3	12.39	12.559	12.798	0.1291	12.396	12.563	12.799	0.13827	-0.0656	0.00314	0.1113	0.048244
10	12.455	12.66	12.848	0.15133	12.458	12.682	12.917	0.17719	-0.0436	0.0215	0.1075	0.058935
30	12.405	12.594	12.756	0.12235	12.37	12.652	12.925	0.17791	-0.045	0.05794	0.1842	0.067994
50	12.356	12.524	12.84	0.18447	12.285	12.534	12.962	0.22873	-0.1063	0.00939	0.1226	0.06934
100	12.444	12.615	12.784	0.14269	12.459	12.674	12.966	0.17728	-0.0677	0.05888	0.192	0.096533

Device Test: 5.32; DLY_TMR_500KOHM





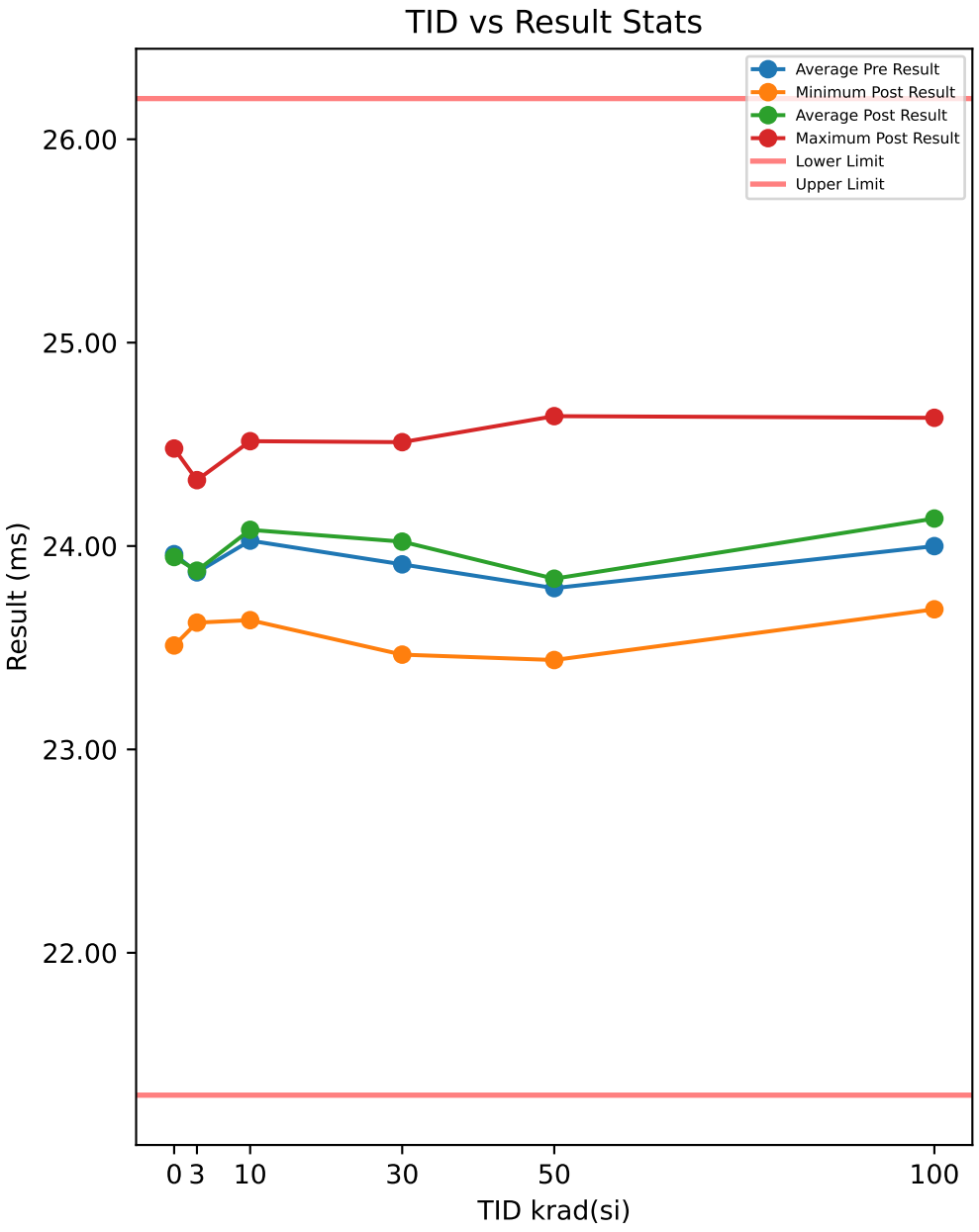
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

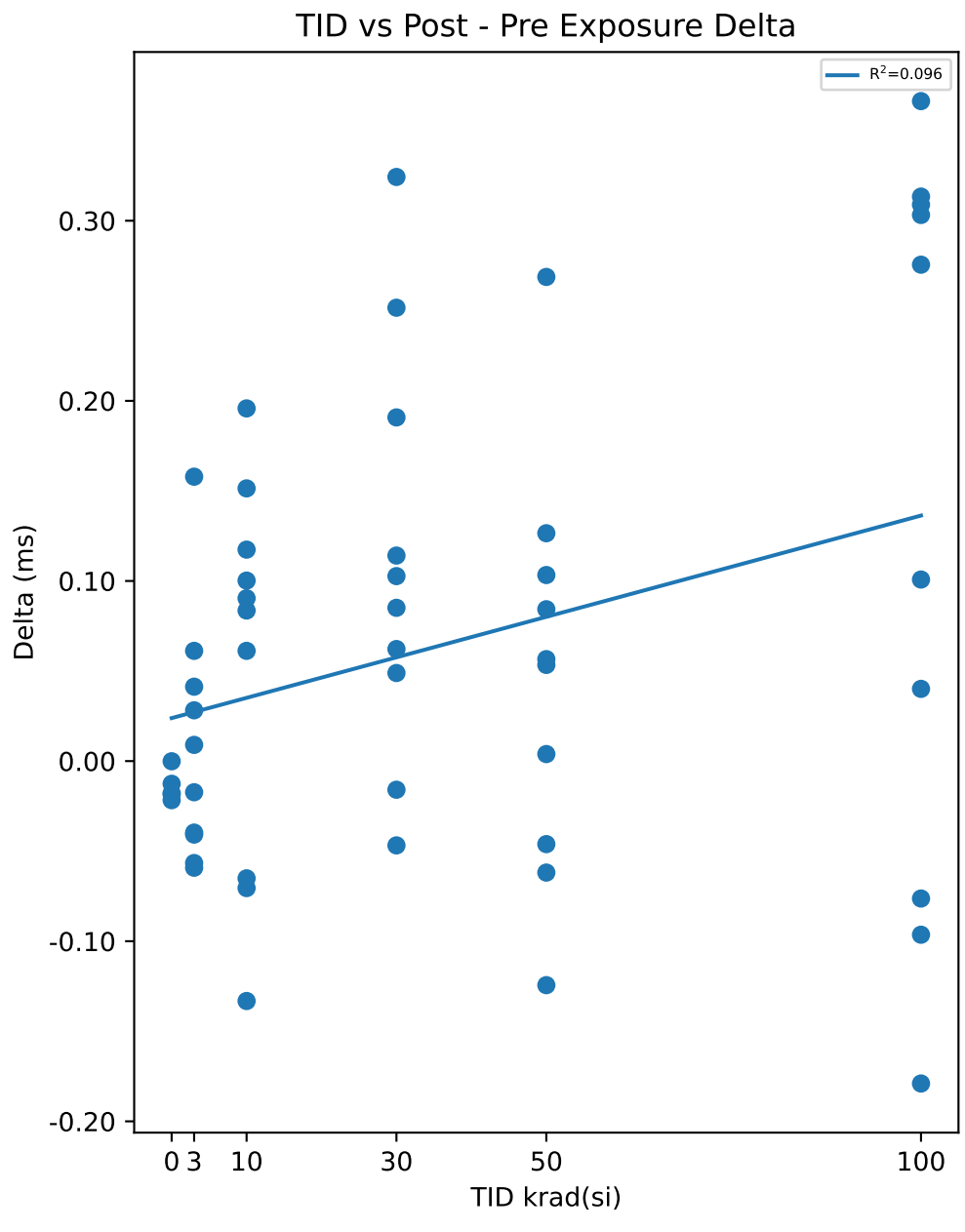
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.754	12.739	-0.0147
2	3	Biased	12.554	12.555	0.0007
3	3	Biased	12.588	12.659	0.0701
4	3	Biased	12.795	12.779	-0.0155
5	3	Biased	12.561	12.527	-0.0334
6	3	Unbiased	12.385	12.384	-0.0008
7	3	Unbiased	12.501	12.505	0.0041
8	3	Unbiased	12.459	12.412	-0.0478
9	3	Unbiased	12.541	12.575	0.0343
10	3	Unbiased	12.507	12.452	-0.0556
11	10	Biased	12.548	12.506	-0.0424
12	10	Biased	12.533	12.506	-0.0274
13	10	Biased	12.49	12.452	-0.0383
14	10	Biased	12.842	12.919	0.0762
15	10	Biased	12.532	12.563	0.031
16	10	Unbiased	12.811	12.876	0.0647
17	10	Unbiased	12.736	12.791	0.0545
18	10	Unbiased	12.656	12.562	-0.094
19	10	Unbiased	12.783	12.724	-0.0589
20	10	Unbiased	12.8	12.855	0.0547
21	30	Biased	12.616	12.629	0.0132
22	30	Biased	12.625	12.678	0.0531
23	30	Biased	12.504	12.508	0.0034
24	30	Biased	12.687	12.75	0.063
25	30	Biased	12.754	12.922	0.1687
26	30	Unbiased	12.581	12.587	0.0067
27	30	Unbiased	12.571	12.668	0.0969
28	30	Unbiased	12.411	12.368	-0.0435
29	30	Unbiased	12.4	12.411	0.0108
30	30	Unbiased	12.749	12.865	0.1153
31	50	Biased	12.392	12.448	0.0561
32	50	Biased	12.836	12.977	0.1406
33	50	Biased	12.351	12.332	-0.019
34	50	Biased	12.339	12.293	-0.0451
35	50	Biased	12.665	12.621	-0.0441
36	50	Unbiased	12.687	12.758	0.0711
37	50	Unbiased	12.371	12.4	0.0293
38	50	Unbiased	12.723	12.786	0.063
39	50	Unbiased	12.38	12.388	0.0079
40	50	Unbiased	12.404	12.45	0.0458
41	100	Biased	12.769	12.711	-0.0581
42	100	Biased	12.592	12.542	-0.0504
43	100	Biased	12.434	12.474	0.0397
44	100	Biased	12.492	12.526	0.0338
45	100	Biased	12.478	12.542	0.0644
46	100	Unbiased	12.664	12.794	0.1299
47	100	Unbiased	12.47	12.643	0.1735
48	100	Unbiased	12.733	12.874	0.1409
49	100	Unbiased	12.759	12.654	-0.1048
50	100	Unbiased	12.77	12.956	0.1861
51	0	Correlation	12.549	12.548	-0.0004
52	0	Correlation	12.836	12.816	-0.0199
53	0	Correlation	12.704	12.698	-0.0057
54	0	Correlation	12.655	12.642	-0.0139
55	0	Correlation	12.5	12.467	-0.0332

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	12.5	12.649	12.836	0.13259	12.467	12.634	12.816	0.13478	-0.0332	-0.01462	-0.0004	0.0128
3	12.385	12.565	12.795	0.12502	12.384	12.559	12.779	0.13286	-0.0556	-0.00586	0.0701	0.037584
10	12.49	12.673	12.842	0.13684	12.452	12.675	12.919	0.1764	-0.094	0.00201	0.0762	0.060733
30	12.4	12.59	12.754	0.12432	12.368	12.639	12.922	0.17991	-0.0435	0.04876	0.1687	0.063593
50	12.339	12.515	12.836	0.18933	12.293	12.545	12.977	0.22804	-0.0451	0.03056	0.1406	0.057696
100	12.434	12.616	12.77	0.13864	12.474	12.672	12.956	0.16103	-0.1048	0.0555	0.1861	0.10243

Device Test: 5.33; DLY_TMR_1MOHM





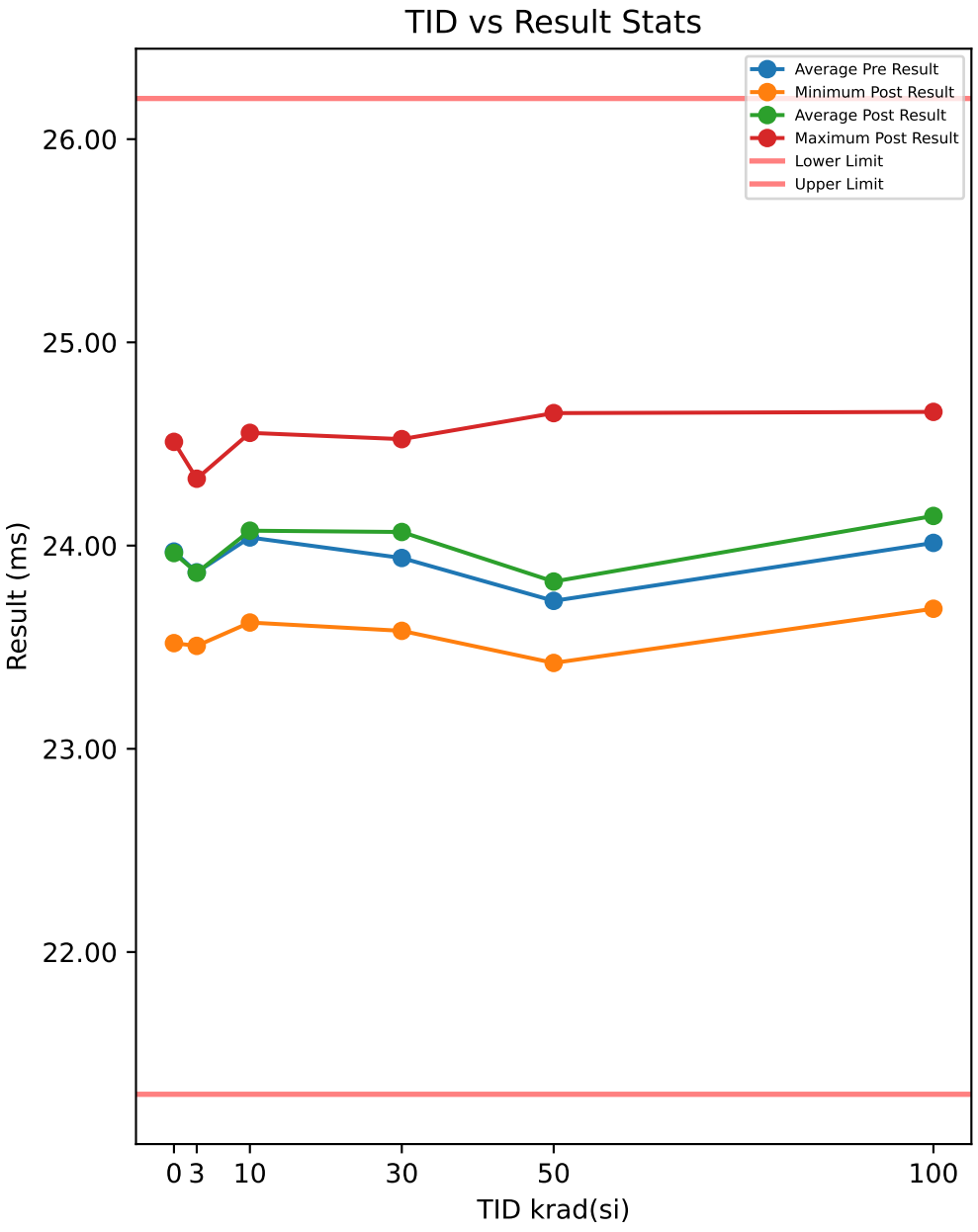
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

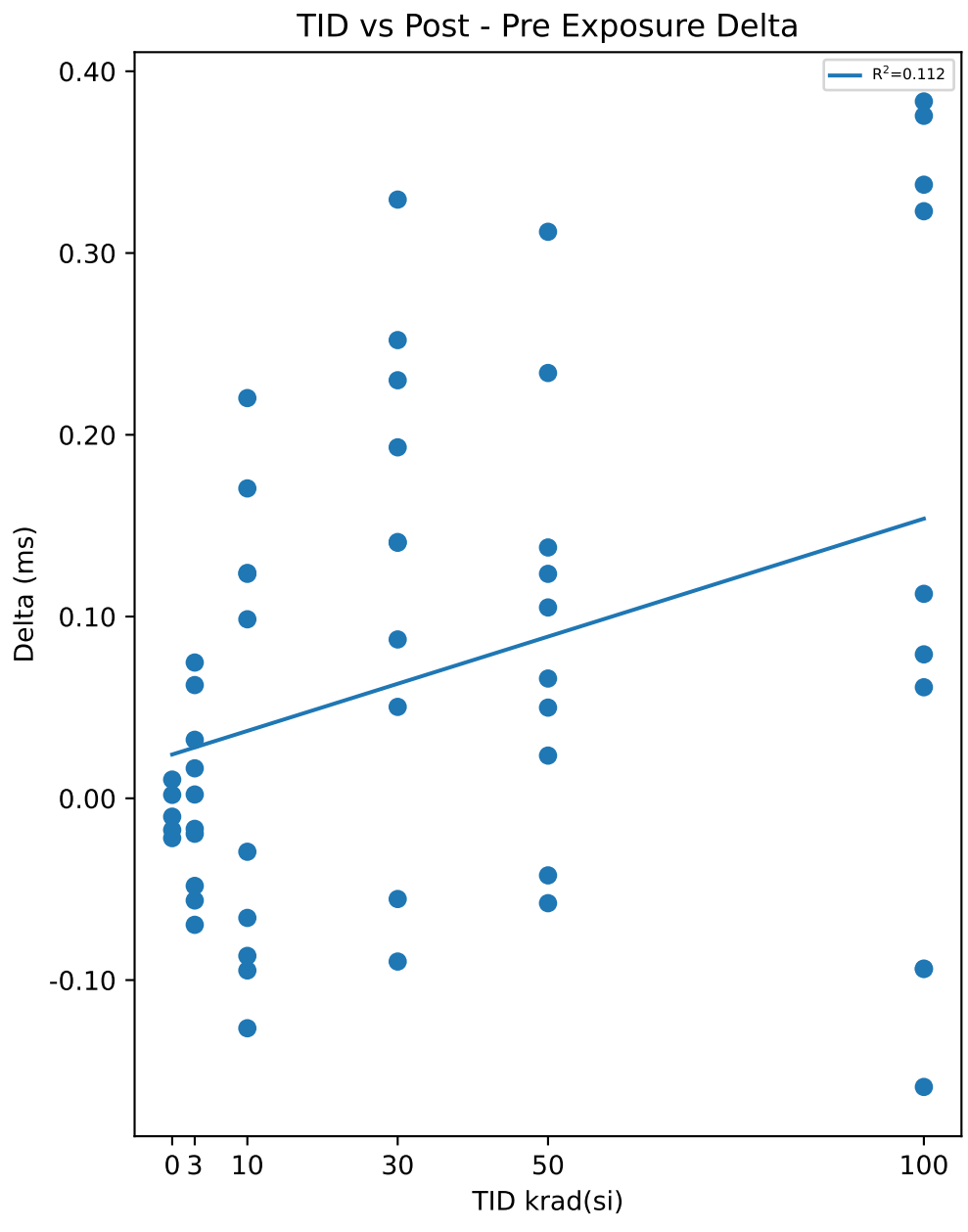
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	24.364	24.324	-0.0397
2	3	Biased	23.837	23.819	-0.0173
3	3	Biased	23.855	23.815	-0.0408
4	3	Biased	24.295	24.304	0.009
5	3	Biased	23.827	23.768	-0.0592
6	3	Unbiased	23.641	23.67	0.0282
7	3	Unbiased	23.541	23.699	0.1579
8	3	Unbiased	23.608	23.65	0.0413
9	3	Unbiased	24.056	24.117	0.0612
10	3	Unbiased	23.68	23.623	-0.0566
11	10	Biased	23.583	23.683	0.1002
12	10	Biased	23.724	23.814	0.0904
13	10	Biased	23.698	23.759	0.0612
14	10	Biased	24.361	24.512	0.1514
15	10	Biased	23.706	23.636	-0.0705
16	10	Unbiased	24.32	24.515	0.1958
17	10	Unbiased	24.205	24.289	0.0836
18	10	Unbiased	24.129	24.064	-0.0651
19	10	Unbiased	24.253	24.12	-0.1332
20	10	Unbiased	24.287	24.404	0.1174
21	30	Biased	24.193	24.146	-0.0468
22	30	Biased	24.111	24.225	0.1141
23	30	Biased	23.482	23.466	-0.0159
24	30	Biased	24.032	24.094	0.0622
25	30	Biased	24.163	24.487	0.3243
26	30	Unbiased	24.059	24.108	0.0489
27	30	Unbiased	23.795	23.986	0.1908
28	30	Unbiased	23.489	23.591	0.1027
29	30	Unbiased	23.516	23.601	0.0851
30	30	Unbiased	24.259	24.511	0.2517
31	50	Biased	23.521	23.648	0.1265
32	50	Biased	24.37	24.639	0.2688
33	50	Biased	23.495	23.449	-0.0461
34	50	Biased	23.564	23.439	-0.1244
35	50	Biased	23.992	23.93	-0.0619
36	50	Unbiased	24.064	24.148	0.0843
37	50	Unbiased	23.638	23.691	0.0534
38	50	Unbiased	24.101	24.204	0.1033
39	50	Unbiased	23.555	23.559	0.0039
40	50	Unbiased	23.629	23.686	0.0566
41	100	Biased	24.273	24.177	-0.0964
42	100	Biased	23.985	24.025	0.0401
43	100	Biased	23.584	23.86	0.2756
44	100	Biased	23.703	23.804	0.1008
45	100	Biased	23.765	23.689	-0.0763
46	100	Unbiased	24.317	24.63	0.3134
47	100	Unbiased	23.82	24.186	0.3664
48	100	Unbiased	24.122	24.431	0.3089
49	100	Unbiased	24.271	24.092	-0.179
50	100	Unbiased	24.154	24.457	0.3032
51	0	Correlation	23.511	23.511	-0.0001
52	0	Correlation	24.497	24.479	-0.0178
53	0	Correlation	24.124	24.102	-0.0217
54	0	Correlation	24.023	24.005	-0.0184
55	0	Correlation	23.644	23.632	-0.0126

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	23.511	23.96	24.497	0.39395	23.511	23.946	24.479	0.38747	-0.0217	-0.01412	-0.0001	0.0084881
3	23.541	23.87	24.364	0.28419	23.623	23.879	24.324	0.26862	-0.0592	0.0084	0.1579	0.067332
10	23.583	24.026	24.361	0.30889	23.636	24.08	24.515	0.34255	-0.1332	0.05312	0.1958	0.10683
30	23.482	23.91	24.259	0.31139	23.466	24.022	24.511	0.3648	-0.0468	0.11171	0.3243	0.1153
50	23.495	23.793	24.37	0.30974	23.439	23.839	24.639	0.38715	-0.1244	0.04644	0.2688	0.11154
100	23.584	24	24.317	0.26585	23.689	24.135	24.63	0.30534	-0.179	0.13567	0.3664	0.20293

Device Test: 5.34; DLY_TMR_1MOHM





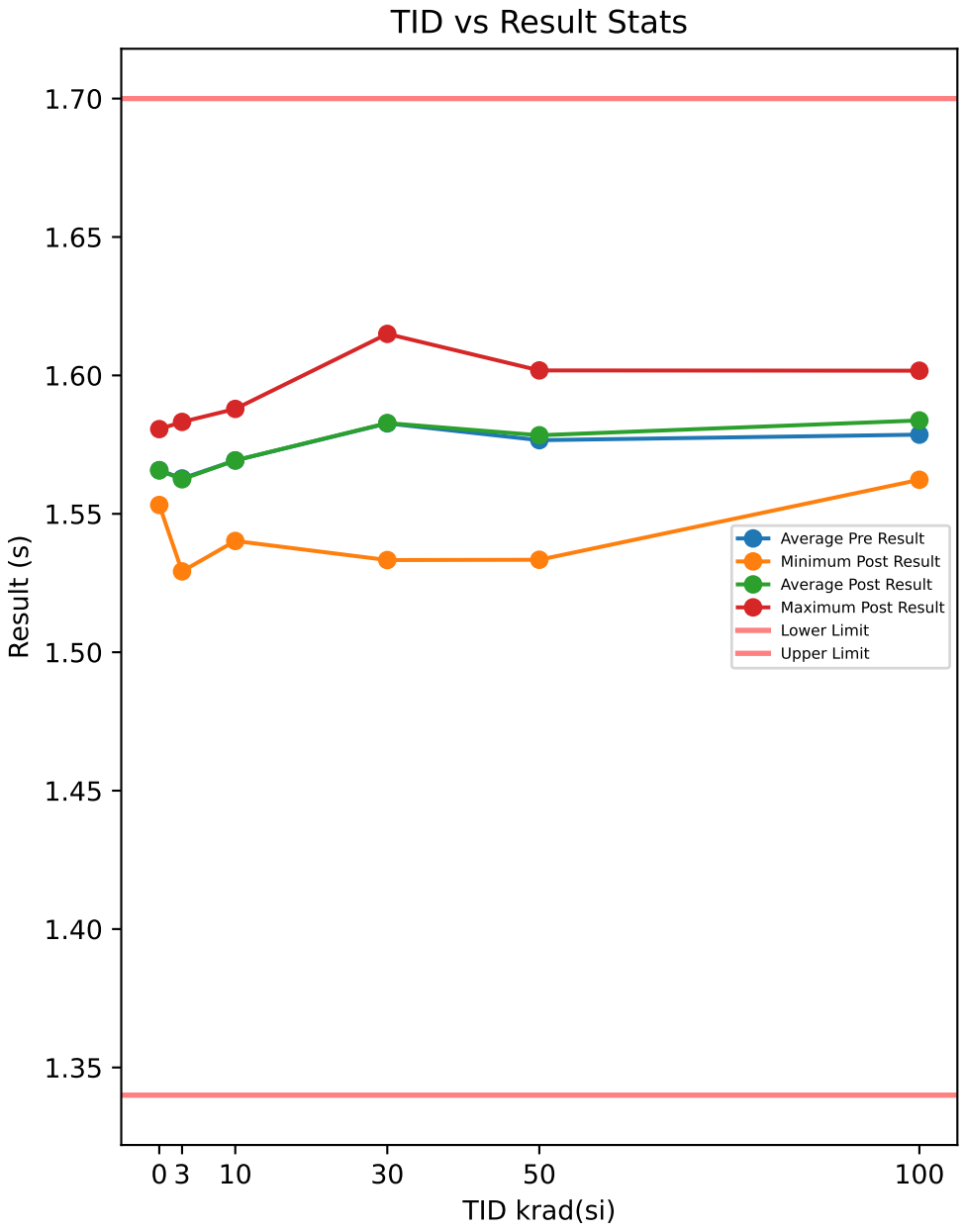
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

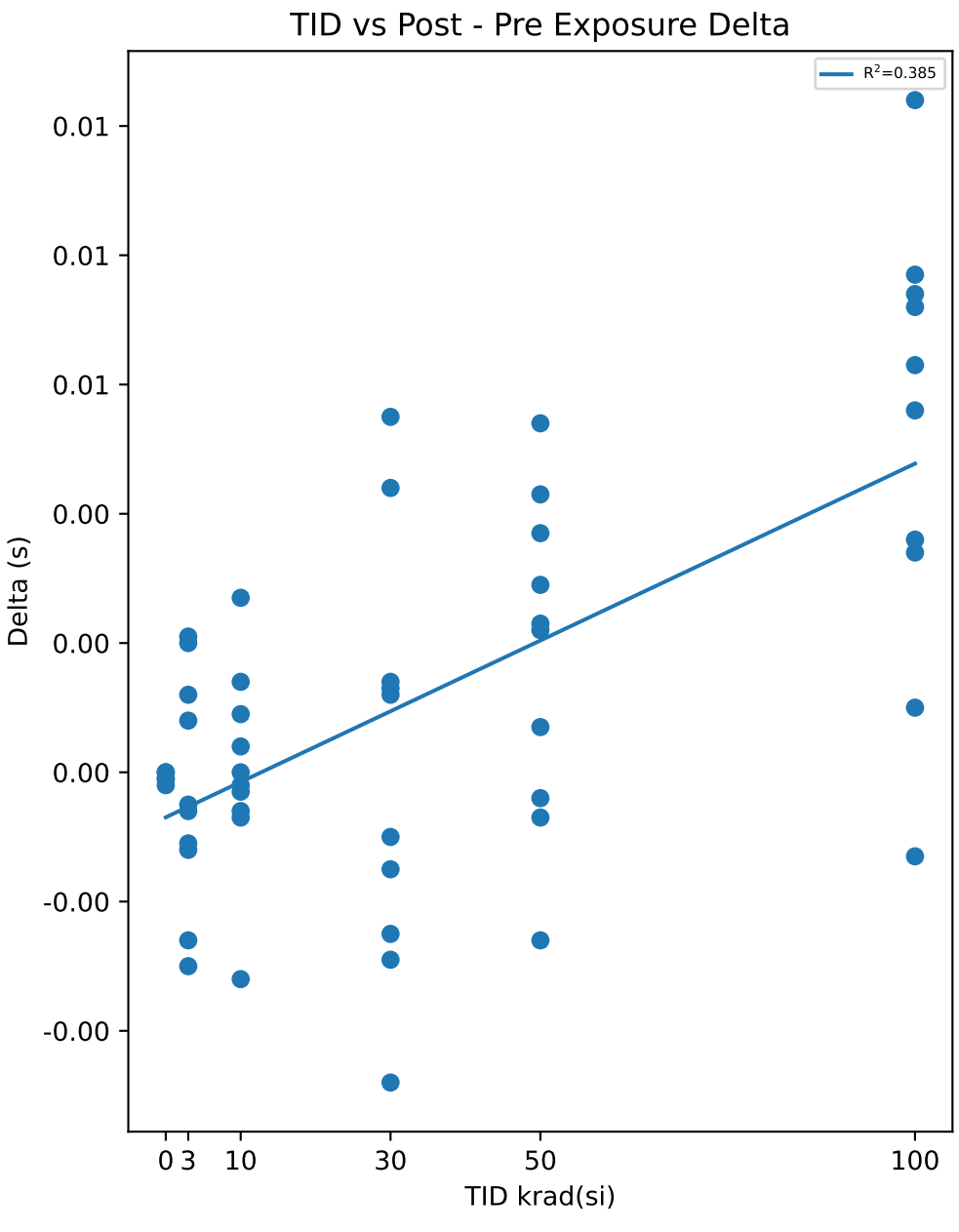
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	24.385	24.329	-0.0562
2	3	Biased	23.854	23.837	-0.0168
3	3	Biased	23.874	23.854	-0.0195
4	3	Biased	24.306	24.323	0.0165
5	3	Biased	23.842	23.772	-0.0696
6	3	Unbiased	23.474	23.506	0.0322
7	3	Unbiased	23.558	23.56	0.0021
8	3	Unbiased	23.624	23.686	0.0623
9	3	Unbiased	24.071	24.146	0.0747
10	3	Unbiased	23.698	23.65	-0.0482
11	10	Biased	23.576	23.7	0.1235
12	10	Biased	23.741	23.655	-0.0867
13	10	Biased	23.716	23.621	-0.0947
14	10	Biased	24.375	24.545	0.1705
15	10	Biased	23.723	23.657	-0.0658
16	10	Unbiased	24.335	24.555	0.2202
17	10	Unbiased	24.22	24.344	0.124
18	10	Unbiased	24.144	24.115	-0.0294
19	10	Unbiased	24.267	24.14	-0.1265
20	10	Unbiased	24.302	24.4	0.0985
21	30	Biased	24.209	24.154	-0.0554
22	30	Biased	24.125	24.266	0.141
23	30	Biased	23.5	23.641	0.1406
24	30	Biased	24.023	24.111	0.0874
25	30	Biased	24.168	24.498	0.3294
26	30	Unbiased	24.077	24.128	0.0503
27	30	Unbiased	23.809	24.002	0.1931
28	30	Unbiased	23.67	23.581	-0.0898
29	30	Unbiased	23.537	23.767	0.23
30	30	Unbiased	24.272	24.524	0.2521
31	50	Biased	23.526	23.663	0.138
32	50	Biased	24.34	24.652	0.3117
33	50	Biased	23.514	23.472	-0.0424
34	50	Biased	23.399	23.422	0.0235
35	50	Biased	23.979	23.921	-0.0577
36	50	Unbiased	24.077	24.182	0.105
37	50	Unbiased	23.474	23.54	0.0659
38	50	Unbiased	24.118	24.242	0.1235
39	50	Unbiased	23.391	23.441	0.0499
40	50	Unbiased	23.463	23.697	0.234
41	100	Biased	24.289	24.195	-0.0939
42	100	Biased	24.002	24.063	0.0611
43	100	Biased	23.588	23.701	0.1125
44	100	Biased	23.721	23.8	0.0792
45	100	Biased	23.783	23.689	-0.0937
46	100	Unbiased	24.335	24.658	0.323
47	100	Unbiased	23.837	24.22	0.3834
48	100	Unbiased	24.134	24.472	0.3376
49	100	Unbiased	24.287	24.128	-0.1588
50	100	Unbiased	24.158	24.533	0.3755
51	0	Correlation	23.53	23.52	-0.0101
52	0	Correlation	24.509	24.51	0.0019
53	0	Correlation	24.109	24.119	0.0103
54	0	Correlation	24.038	24.016	-0.0219
55	0	Correlation	23.668	23.651	-0.0174

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	23.53	23.971	24.509	0.38681	23.52	23.963	24.51	0.39388	-0.0219	-0.00744	0.0103	0.013391
3	23.474	23.869	24.385	0.30579	23.506	23.866	24.329	0.30058	-0.0696	-0.00225	0.0747	0.049117
10	23.576	24.04	24.375	0.31122	23.621	24.073	24.555	0.3849	-0.1265	0.03336	0.2202	0.12668
30	23.5	23.939	24.272	0.28689	23.581	24.067	24.524	0.32654	-0.0898	0.12787	0.3294	0.1332
50	23.391	23.728	24.34	0.35829	23.422	23.823	24.652	0.41533	-0.0577	0.09514	0.3117	0.1151
100	23.588	24.013	24.335	0.26673	23.689	24.146	24.658	0.34314	-0.1588	0.13259	0.3834	0.20975

Device Test: 5.35; WD_TMR_1MOHM





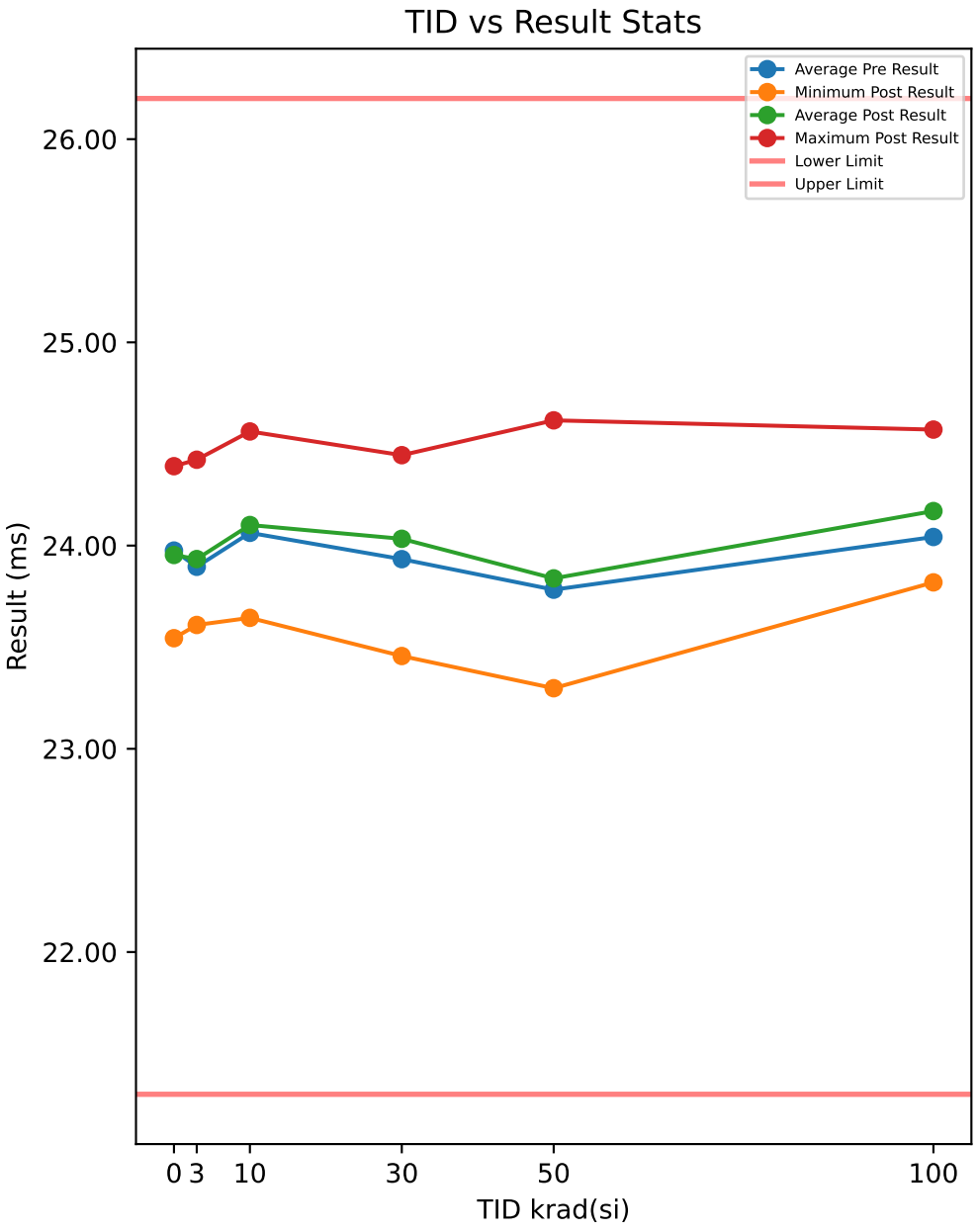
Test Results (Lower Limit = 1.34, Upper Limit = 1.7 (s))

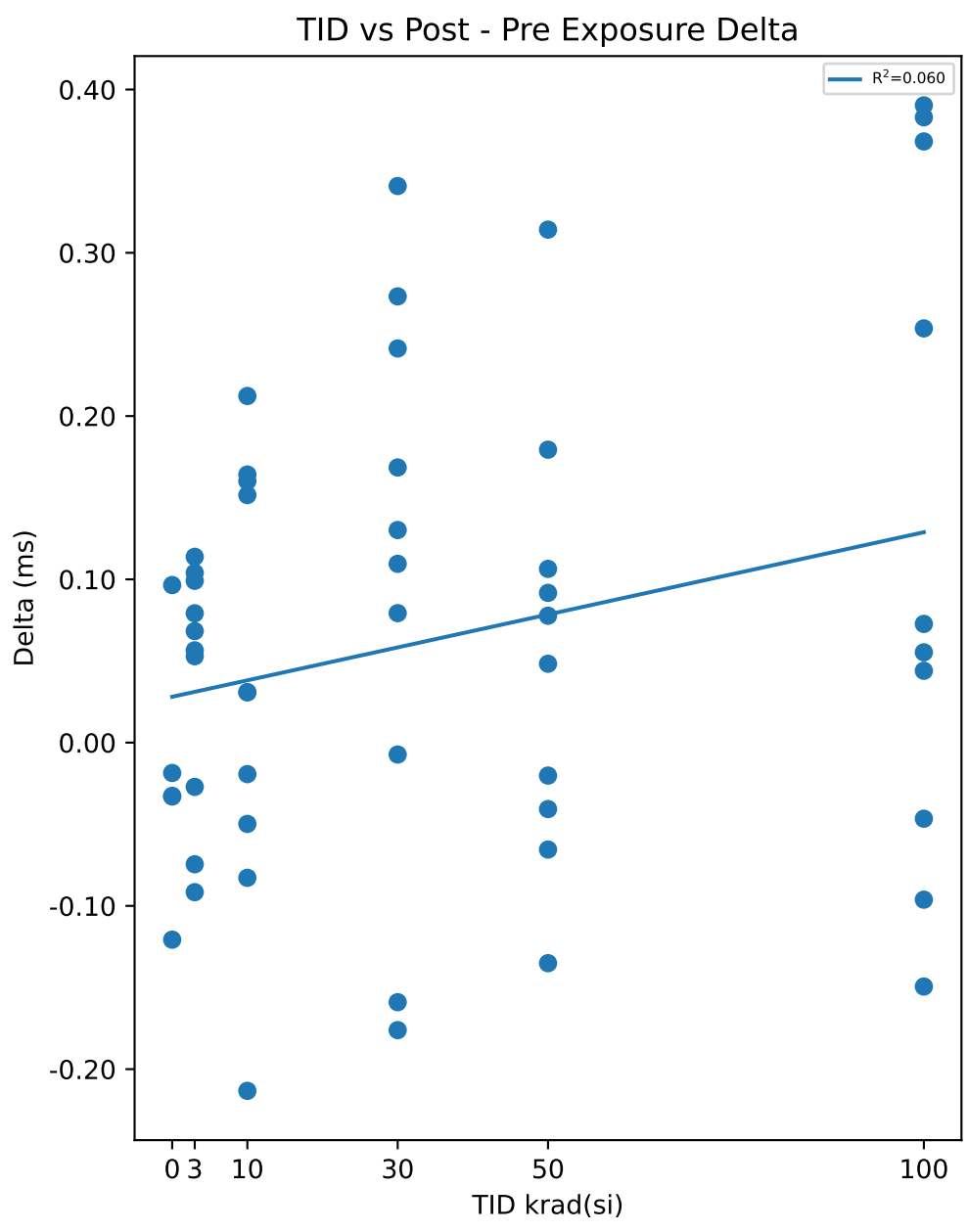
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.582	1.5832	0.0012
2	3	Biased	1.5272	1.5292	0.002
3	3	Biased	1.5706	1.5676	-0.003
4	3	Biased	1.5714	1.5688	-0.0026
5	3	Biased	1.5829	1.5823	-0.0006
6	3	Unbiased	1.5682	1.5677	-0.0005
7	3	Unbiased	1.5547	1.5555	0.0008
8	3	Unbiased	1.5541	1.5562	0.0021
9	3	Unbiased	1.5627	1.5615	-0.0012
10	3	Unbiased	1.5539	1.5528	-0.0011
11	10	Biased	1.5655	1.5655	0
12	10	Biased	1.5736	1.573	-0.0006
13	10	Biased	1.578	1.5777	-0.0003
14	10	Biased	1.5881	1.5879	-0.0002
15	10	Biased	1.5482	1.5509	0.0027
16	10	Unbiased	1.5817	1.581	-0.0007
17	10	Unbiased	1.5828	1.5842	0.0014
18	10	Unbiased	1.5646	1.5655	0.0009
19	10	Unbiased	1.5398	1.5402	0.0004
20	10	Unbiased	1.5704	1.5672	-0.0032
21	30	Biased	1.5932	1.5922	-0.001
22	30	Biased	1.5887	1.5862	-0.0025
23	30	Biased	1.5739	1.5724	-0.0015
24	30	Biased	1.5849	1.582	-0.0029
25	30	Biased	1.5319	1.5333	0.0014
26	30	Unbiased	1.572	1.5732	0.0012
27	30	Unbiased	1.5717	1.5761	0.0044
28	30	Unbiased	1.6198	1.615	-0.0048
29	30	Unbiased	1.5835	1.5848	0.0013
30	30	Unbiased	1.6071	1.6126	0.0055
31	50	Biased	1.5341	1.5334	-0.0007
32	50	Biased	1.5808	1.5831	0.0023
33	50	Biased	1.5936	1.5932	-0.0004
34	50	Biased	1.571	1.5684	-0.0026
35	50	Biased	1.5879	1.5908	0.0029
36	50	Unbiased	1.5681	1.5688	0.0007
37	50	Unbiased	1.5723	1.5777	0.0054
38	50	Unbiased	1.5931	1.5968	0.0037
39	50	Unbiased	1.5975	1.6018	0.0043
40	50	Unbiased	1.5676	1.5698	0.0022
41	100	Biased	1.5981	1.6017	0.0036
42	100	Biased	1.5771	1.5805	0.0034
43	100	Biased	1.5669	1.5732	0.0063
44	100	Biased	1.5956	1.5943	-0.0013
45	100	Biased	1.5833	1.591	0.0077
46	100	Unbiased	1.5911	1.5921	0.001
47	100	Unbiased	1.5788	1.5892	0.0104
48	100	Unbiased	1.5633	1.5707	0.0074
49	100	Unbiased	1.5567	1.5623	0.0056
50	100	Unbiased	1.5751	1.5823	0.0072
51	0	Correlation	1.5747	1.5747	0
52	0	Correlation	1.5533	1.5532	-0.0001
53	0	Correlation	1.5583	1.5583	0
54	0	Correlation	1.5807	1.5806	-0.0001
55	0	Correlation	1.5619	1.5617	-0.0002

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	1.5533	1.5658	1.5807	0.011499	1.5532	1.5657	1.5806	0.011511	-0.0002	-8e-05	0	8.3666e-05
3	1.5272	1.5628	1.5829	0.016413	1.5292	1.5625	1.5832	0.015656	-0.003	-0.00029	0.0021	0.0017848
10	1.5398	1.5693	1.5881	0.015409	1.5402	1.5693	1.5879	0.014936	-0.0032	4e-05	0.0027	0.0015429
30	1.5319	1.5827	1.6198	0.02361	1.5333	1.5828	1.615	0.022913	-0.0048	0.00011	0.0055	0.003258
50	1.5341	1.5766	1.5975	0.018716	1.5334	1.5784	1.6018	0.019924	-0.0026	0.00178	0.0054	0.0024966
100	1.5567	1.5786	1.5981	0.013795	1.5623	1.5837	1.6017	0.012201	-0.0013	0.00513	0.0104	0.0034824

Device Test: 5.36; DLY_TMR_1MOHM





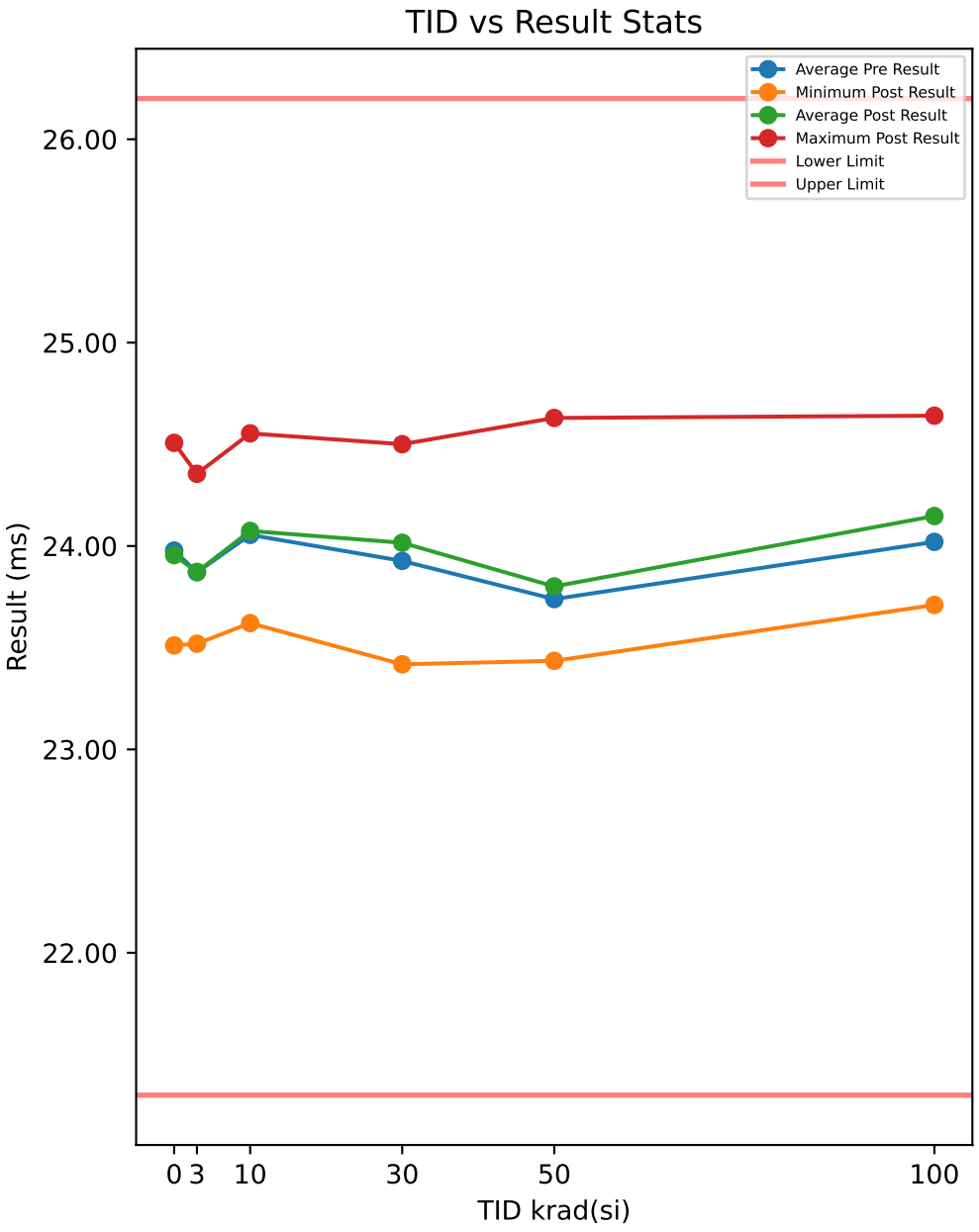
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

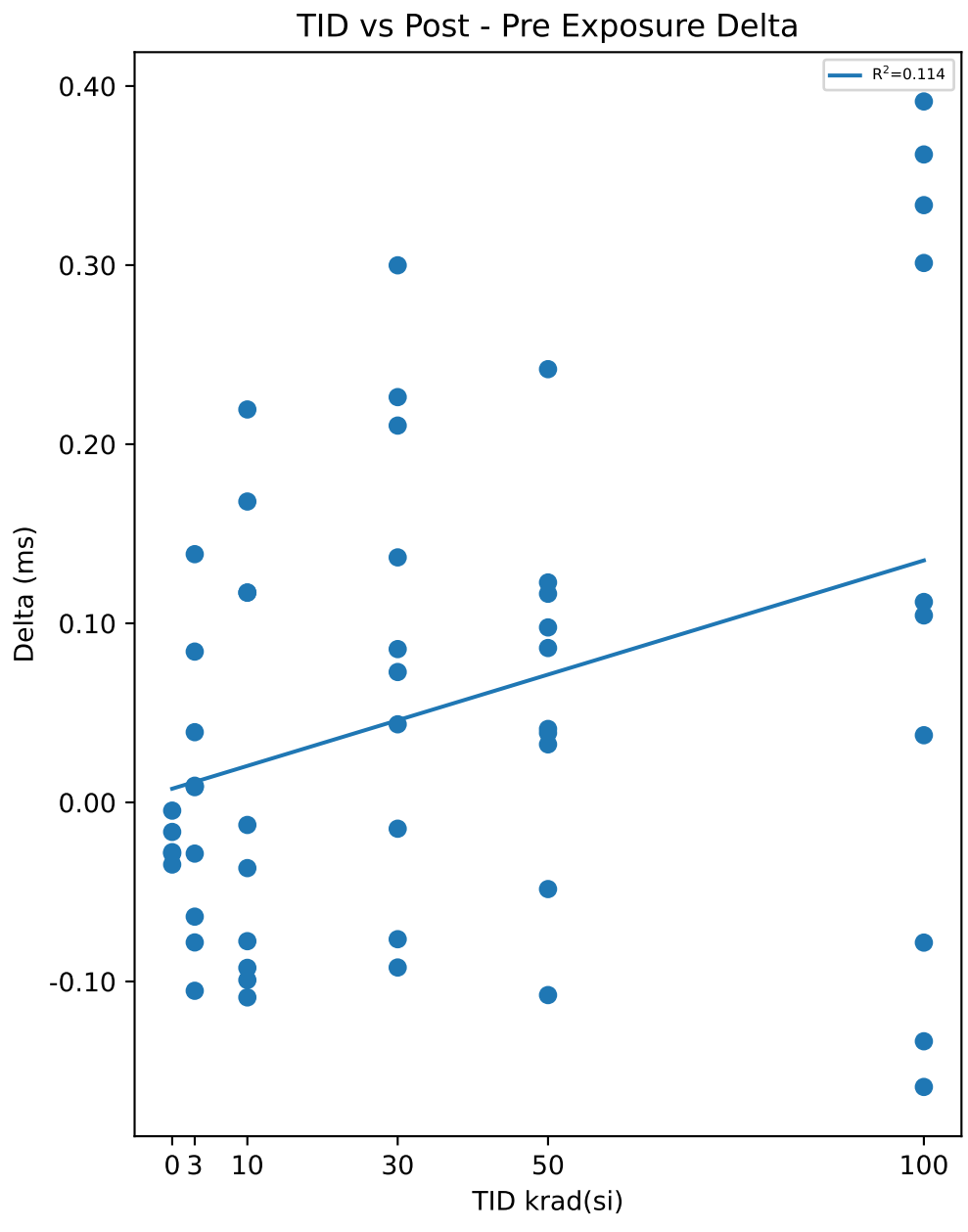
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	24.319	24.422	0.104
2	3	Biased	23.825	23.882	0.0565
3	3	Biased	23.988	23.914	-0.0745
4	3	Biased	24.236	24.335	0.0991
5	3	Biased	23.898	23.806	-0.0916
6	3	Unbiased	23.541	23.609	0.0683
7	3	Unbiased	23.633	23.712	0.0792
8	3	Unbiased	23.633	23.686	0.0529
9	3	Unbiased	24.088	24.202	0.1138
10	3	Unbiased	23.795	23.768	-0.0271
11	10	Biased	23.719	23.699	-0.0193
12	10	Biased	23.858	23.644	-0.2133
13	10	Biased	23.75	23.781	0.0309
14	10	Biased	24.41	24.562	0.1516
15	10	Biased	23.797	23.747	-0.0498
16	10	Unbiased	24.304	24.464	0.1602
17	10	Unbiased	24.156	24.32	0.1642
18	10	Unbiased	24.182	24.213	0.0308
19	10	Unbiased	24.224	24.141	-0.0828
20	10	Unbiased	24.228	24.441	0.2123
21	30	Biased	24.159	24.152	-0.0073
22	30	Biased	24.067	24.34	0.2733
23	30	Biased	23.648	23.472	-0.1761
24	30	Biased	24.007	24.137	0.1302
25	30	Biased	24.104	24.445	0.3409
26	30	Unbiased	24.03	24.199	0.1685
27	30	Unbiased	23.848	24.09	0.2414
28	30	Unbiased	23.616	23.457	-0.159
29	30	Unbiased	23.536	23.616	0.0793
30	30	Unbiased	24.317	24.427	0.1095
31	50	Biased	23.601	23.781	0.1794
32	50	Biased	24.302	24.616	0.3142
33	50	Biased	23.433	23.298	-0.1351
34	50	Biased	23.411	23.346	-0.0655
35	50	Biased	24.043	24.003	-0.0407
36	50	Unbiased	24.175	24.155	-0.0202
37	50	Unbiased	23.595	23.672	0.0777
38	50	Unbiased	24.208	24.3	0.0917
39	50	Unbiased	23.489	23.595	0.1064
40	50	Unbiased	23.572	23.62	0.0483
41	100	Biased	24.309	24.262	-0.0466
42	100	Biased	24.108	24.011	-0.0962
43	100	Biased	23.746	23.819	0.0727
44	100	Biased	23.792	23.847	0.0553
45	100	Biased	23.786	23.83	0.044
46	100	Unbiased	24.317	24.571	0.2537
47	100	Unbiased	23.863	24.231	0.3682
48	100	Unbiased	24.139	24.529	0.3903
49	100	Unbiased	24.258	24.109	-0.1494
50	100	Unbiased	24.106	24.489	0.383
51	0	Correlation	23.577	23.544	-0.033
52	0	Correlation	24.409	24.391	-0.0186
53	0	Correlation	24.089	24.186	0.0965
54	0	Correlation	24.133	24.012	-0.1207
55	0	Correlation	23.669	23.636	-0.0326

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	23.577	23.975	24.409	0.34584	23.544	23.954	24.391	0.35936	-0.1207	-0.02168	0.0965	0.077505
3	23.541	23.896	24.319	0.26221	23.609	23.934	24.422	0.28561	-0.0916	0.03806	0.1138	0.075059
10	23.719	24.063	24.41	0.25473	23.644	24.101	24.562	0.35261	-0.2133	0.03848	0.2123	0.13457
30	23.536	23.933	24.317	0.25975	23.457	24.033	24.445	0.37941	-0.1761	0.10007	0.3409	0.17289
50	23.411	23.783	24.302	0.35471	23.298	23.839	24.616	0.42399	-0.1351	0.05562	0.3142	0.13025
100	23.746	24.042	24.317	0.22588	23.819	24.17	24.571	0.29353	-0.1494	0.1275	0.3903	0.20559

Device Test: 5.37; DLY_TMR_1MOHM





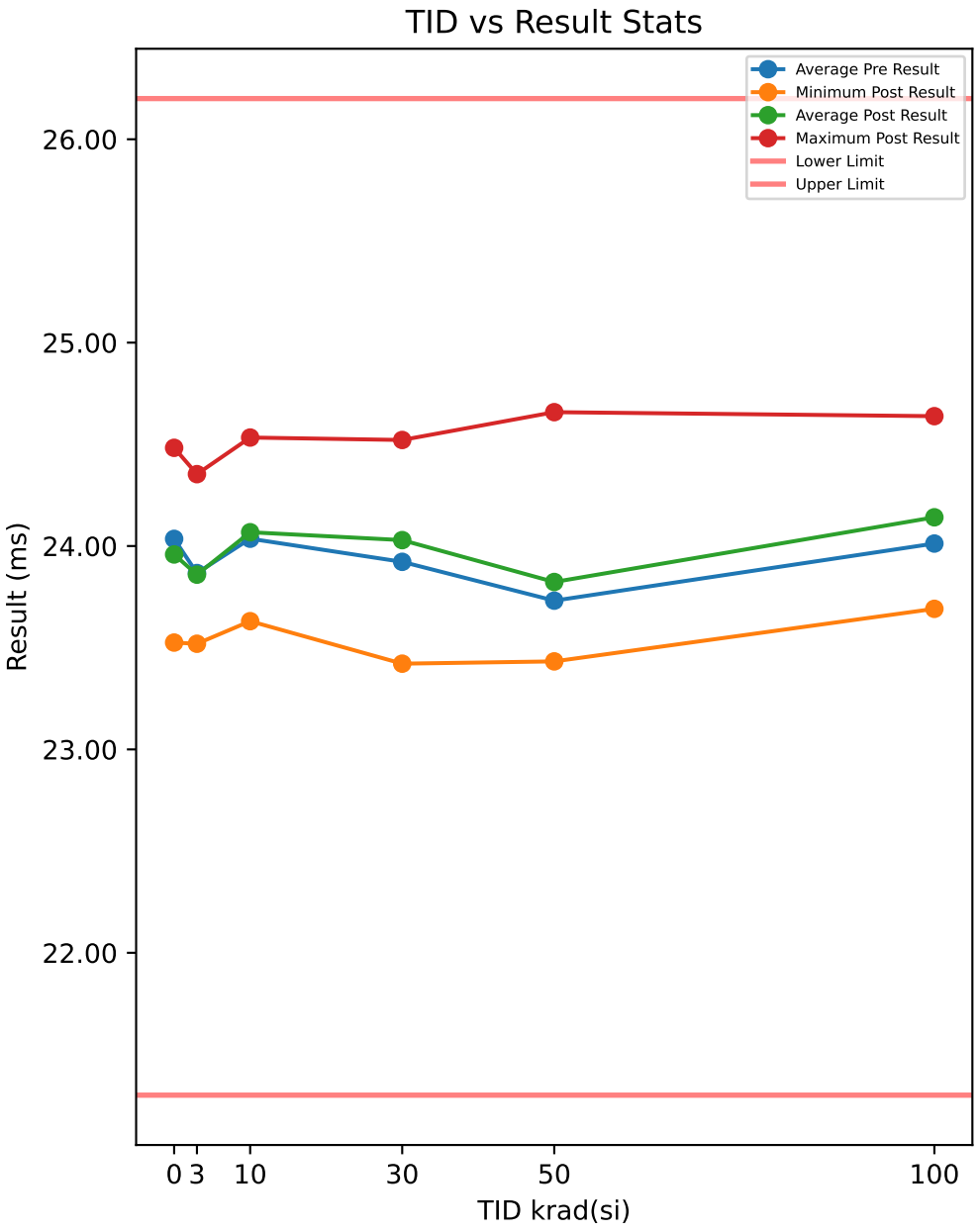
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

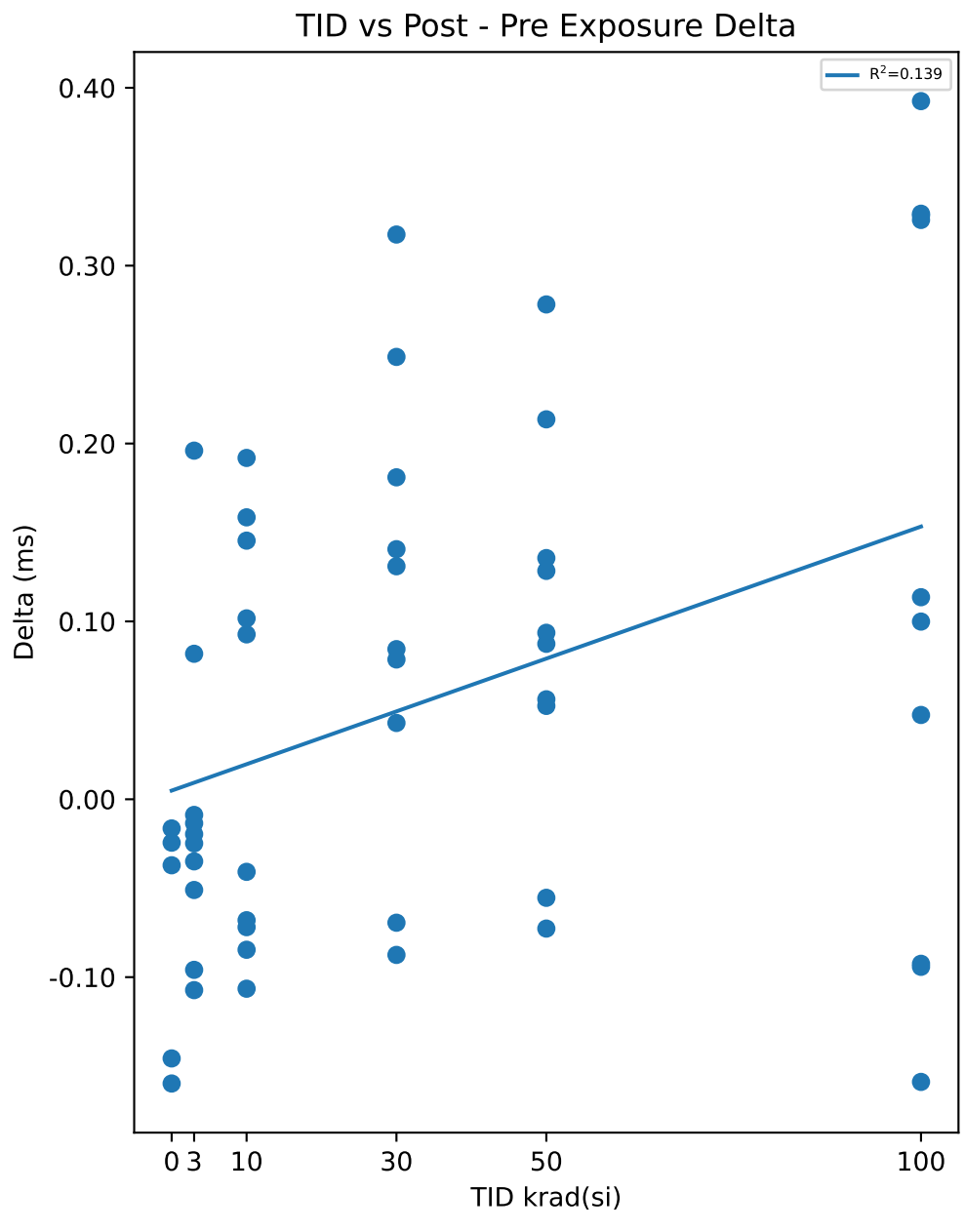
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	24.384	24.355	-0.0286
2	3	Biased	23.859	23.868	0.0085
3	3	Biased	23.872	23.881	0.0089
4	3	Biased	24.309	24.319	0.0093
5	3	Biased	23.843	23.779	-0.0638
6	3	Unbiased	23.481	23.52	0.0392
7	3	Unbiased	23.557	23.696	0.1386
8	3	Unbiased	23.629	23.523	-0.1052
9	3	Unbiased	24.078	24.162	0.0842
10	3	Unbiased	23.702	23.624	-0.0782
11	10	Biased	23.709	23.696	-0.0126
12	10	Biased	23.744	23.667	-0.0775
13	10	Biased	23.72	23.621	-0.0992
14	10	Biased	24.377	24.545	0.168
15	10	Biased	23.725	23.632	-0.0924
16	10	Unbiased	24.334	24.554	0.2194
17	10	Unbiased	24.221	24.338	0.1172
18	10	Unbiased	24.15	24.113	-0.0367
19	10	Unbiased	24.267	24.159	-0.1089
20	10	Unbiased	24.301	24.418	0.1171
21	30	Biased	24.216	24.14	-0.0764
22	30	Biased	24.133	24.27	0.1368
23	30	Biased	23.5	23.485	-0.0147
24	30	Biased	24.027	24.112	0.0856
25	30	Biased	24.169	24.469	0.2999
26	30	Unbiased	24.083	24.127	0.0436
27	30	Unbiased	23.812	24.023	0.2104
28	30	Unbiased	23.511	23.419	-0.0922
29	30	Unbiased	23.542	23.615	0.0728
30	30	Unbiased	24.274	24.501	0.2263
31	50	Biased	23.53	23.652	0.1228
32	50	Biased	24.388	24.63	0.2419
33	50	Biased	23.52	23.471	-0.0484
34	50	Biased	23.405	23.437	0.0324
35	50	Biased	24.006	23.899	-0.1076
36	50	Unbiased	24.081	24.178	0.0977
37	50	Unbiased	23.478	23.519	0.041
38	50	Unbiased	24.12	24.236	0.1165
39	50	Unbiased	23.397	23.436	0.0388
40	50	Unbiased	23.468	23.555	0.0862
41	100	Biased	24.291	24.158	-0.1334
42	100	Biased	24.008	24.046	0.0375
43	100	Biased	23.608	23.72	0.1119
44	100	Biased	23.724	23.829	0.1044
45	100	Biased	23.789	23.71	-0.0783
46	100	Unbiased	24.34	24.641	0.3012
47	100	Unbiased	23.843	24.235	0.3914
48	100	Unbiased	24.14	24.473	0.3335
49	100	Unbiased	24.288	24.129	-0.1589
50	100	Unbiased	24.172	24.534	0.3618
51	0	Correlation	23.528	23.511	-0.0165
52	0	Correlation	24.512	24.507	-0.0046
53	0	Correlation	24.14	24.112	-0.0278
54	0	Correlation	24.04	24.005	-0.0347
55	0	Correlation	23.669	23.641	-0.0285

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	23.528	23.978	24.512	0.39142	23.511	23.955	24.507	0.3961	-0.0347	-0.02242	-0.0046	0.01193
3	23.481	23.871	24.384	0.30491	23.52	23.873	24.355	0.30977	-0.1052	0.00129	0.1386	0.074631
10	23.709	24.055	24.377	0.2908	23.621	24.074	24.554	0.38833	-0.1089	0.01944	0.2194	0.12373
30	23.5	23.927	24.274	0.30856	23.419	24.016	24.501	0.38603	-0.0922	0.08921	0.2999	0.13065
50	23.397	23.739	24.388	0.36762	23.436	23.801	24.63	0.41703	-0.1076	0.06213	0.2419	0.096436
100	23.608	24.02	24.34	0.26399	23.71	24.147	24.641	0.33208	-0.1589	0.12711	0.3914	0.21041

Device Test: 5.38; DLY_TMR_1MOHM





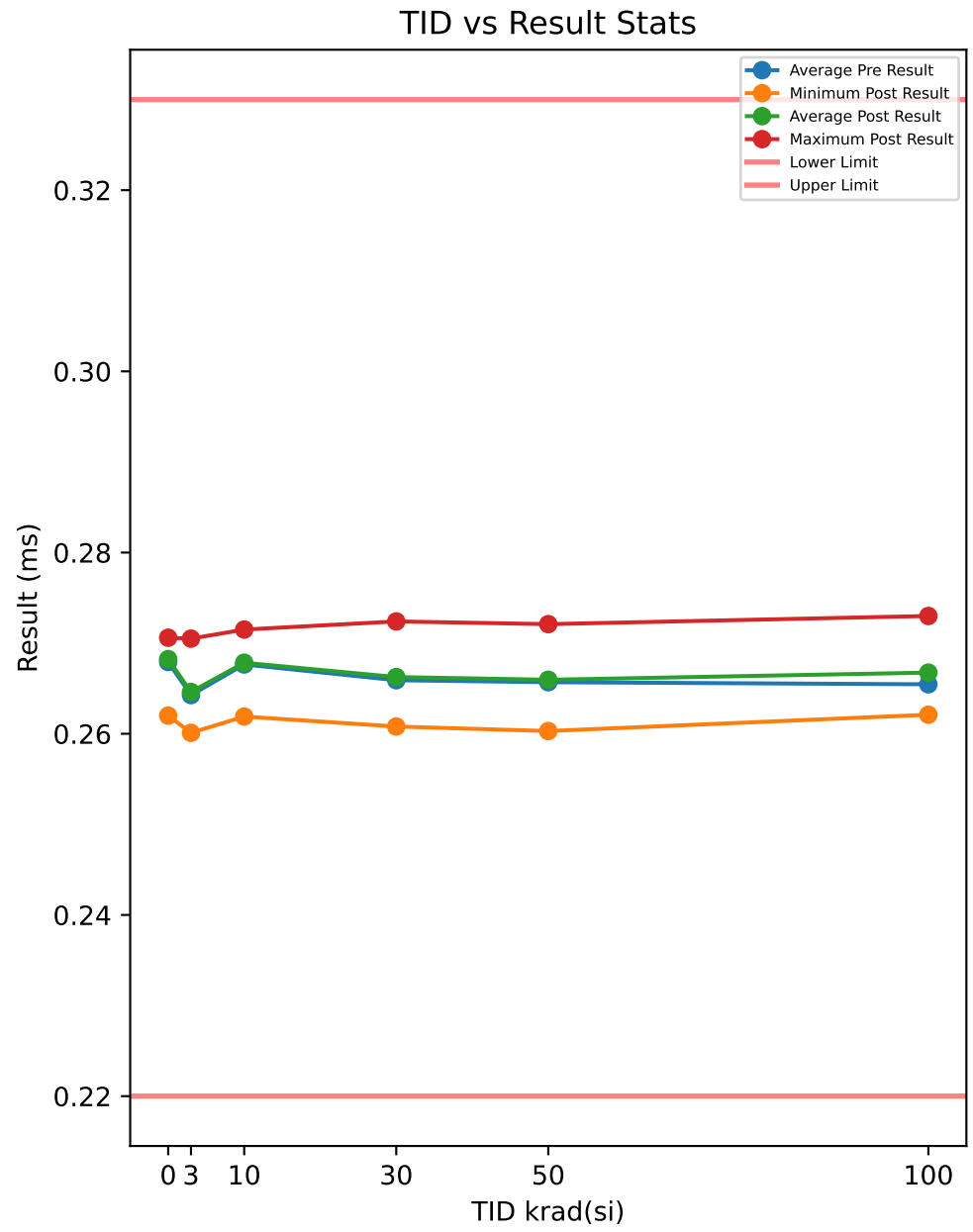
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

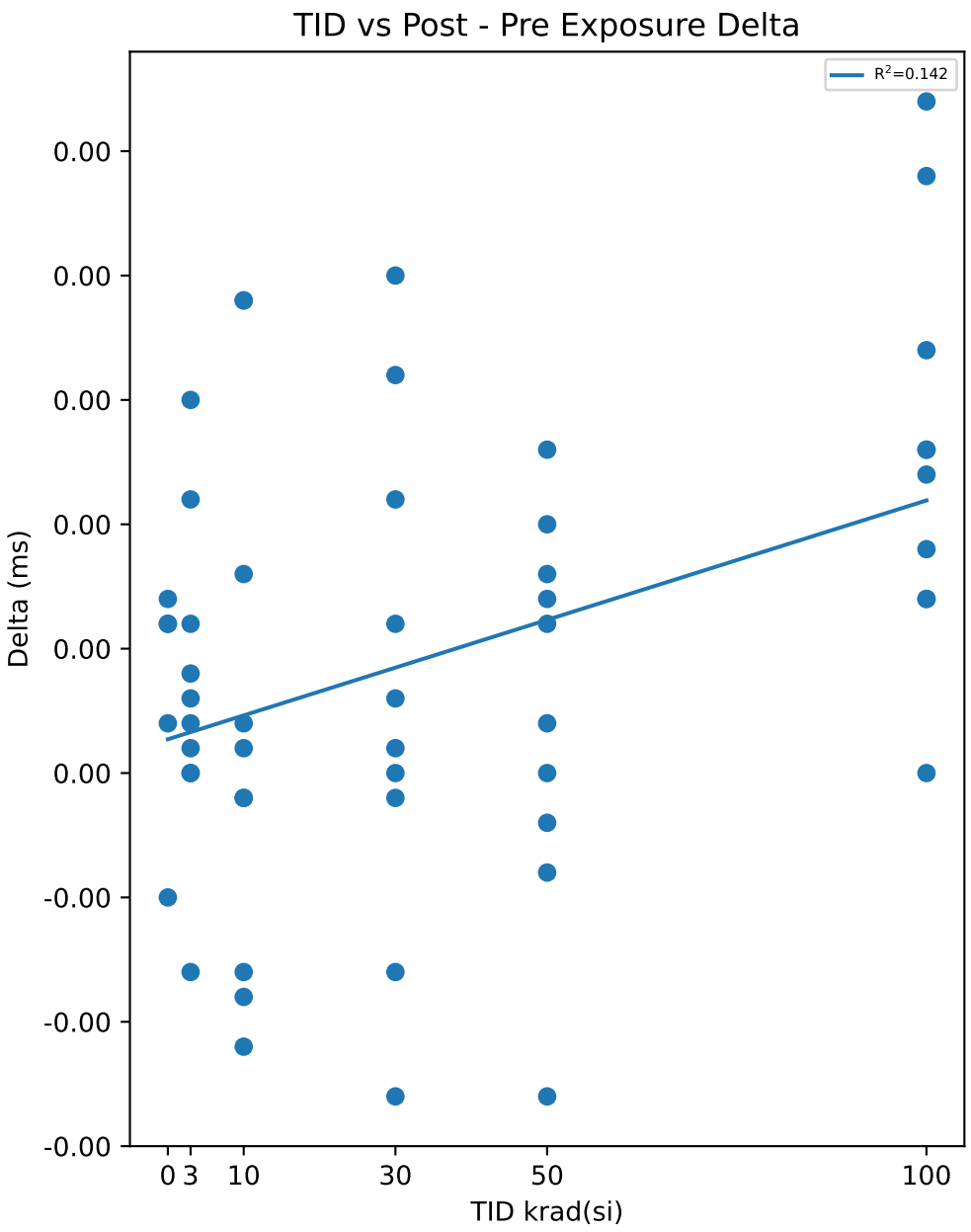
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	24.367	24.353	-0.0135
2	3	Biased	23.854	23.834	-0.0196
3	3	Biased	23.872	23.837	-0.0349
4	3	Biased	24.308	24.283	-0.0248
5	3	Biased	23.84	23.744	-0.0959
6	3	Unbiased	23.477	23.673	0.196
7	3	Unbiased	23.555	23.546	-0.0088
8	3	Unbiased	23.627	23.52	-0.1073
9	3	Unbiased	24.072	24.154	0.0818
10	3	Unbiased	23.699	23.648	-0.051
11	10	Biased	23.575	23.667	0.0927
12	10	Biased	23.743	23.671	-0.0719
13	10	Biased	23.715	23.631	-0.0846
14	10	Biased	24.375	24.533	0.1585
15	10	Biased	23.721	23.653	-0.068
16	10	Unbiased	24.333	24.525	0.1919
17	10	Unbiased	24.19	24.336	0.1454
18	10	Unbiased	24.145	24.105	-0.0408
19	10	Unbiased	24.263	24.157	-0.1065
20	10	Unbiased	24.3	24.401	0.1017
21	30	Biased	24.212	24.143	-0.0694
22	30	Biased	24.126	24.266	0.1406
23	30	Biased	23.491	23.622	0.131
24	30	Biased	24.023	24.107	0.0844
25	30	Biased	24.166	24.484	0.3175
26	30	Unbiased	24.079	24.122	0.0429
27	30	Unbiased	23.811	23.991	0.181
28	30	Unbiased	23.509	23.422	-0.0875
29	30	Unbiased	23.535	23.613	0.0786
30	30	Unbiased	24.273	24.521	0.2487
31	50	Biased	23.526	23.661	0.1356
32	50	Biased	24.38	24.658	0.2782
33	50	Biased	23.488	23.433	-0.0554
34	50	Biased	23.398	23.45	0.0525
35	50	Biased	24.005	23.932	-0.0727
36	50	Unbiased	24.075	24.163	0.0874
37	50	Unbiased	23.475	23.531	0.0562
38	50	Unbiased	24.116	24.245	0.1284
39	50	Unbiased	23.39	23.603	0.2136
40	50	Unbiased	23.462	23.556	0.0936
41	100	Biased	24.285	24.19	-0.0942
42	100	Biased	23.991	24.039	0.0474
43	100	Biased	23.601	23.714	0.1136
44	100	Biased	23.724	23.823	0.0999
45	100	Biased	23.784	23.691	-0.0925
46	100	Unbiased	24.313	24.639	0.3257
47	100	Unbiased	23.838	24.231	0.3925
48	100	Unbiased	24.134	24.463	0.3292
49	100	Unbiased	24.284	24.125	-0.1589
50	100	Unbiased	24.168	24.496	0.3282
51	0	Correlation	23.685	23.525	-0.1598
52	0	Correlation	24.507	24.483	-0.0244
53	0	Correlation	24.136	24.12	-0.0164
54	0	Correlation	24.037	24	-0.0371
55	0	Correlation	23.811	23.665	-0.1457

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	23.685	24.035	24.507	0.31861	23.525	23.959	24.483	0.37964	-0.1598	-0.07668	-0.0164	0.070011
3	23.477	23.867	24.367	0.30238	23.52	23.859	24.353	0.30145	-0.1073	-0.0078	0.196	0.088372
10	23.575	24.036	24.375	0.30927	23.631	24.068	24.533	0.37989	-0.1065	0.03184	0.1919	0.11635
30	23.491	23.922	24.273	0.30949	23.422	24.029	24.521	0.37154	-0.0875	0.10678	0.3175	0.12734
50	23.39	23.731	24.38	0.36964	23.433	23.823	24.658	0.41164	-0.0727	0.09174	0.2782	0.1077
100	23.601	24.012	24.313	0.26106	23.691	24.141	24.639	0.33071	-0.1589	0.12909	0.3925	0.20477

Device Test: 5.39; DLY_TMR_10KOHM





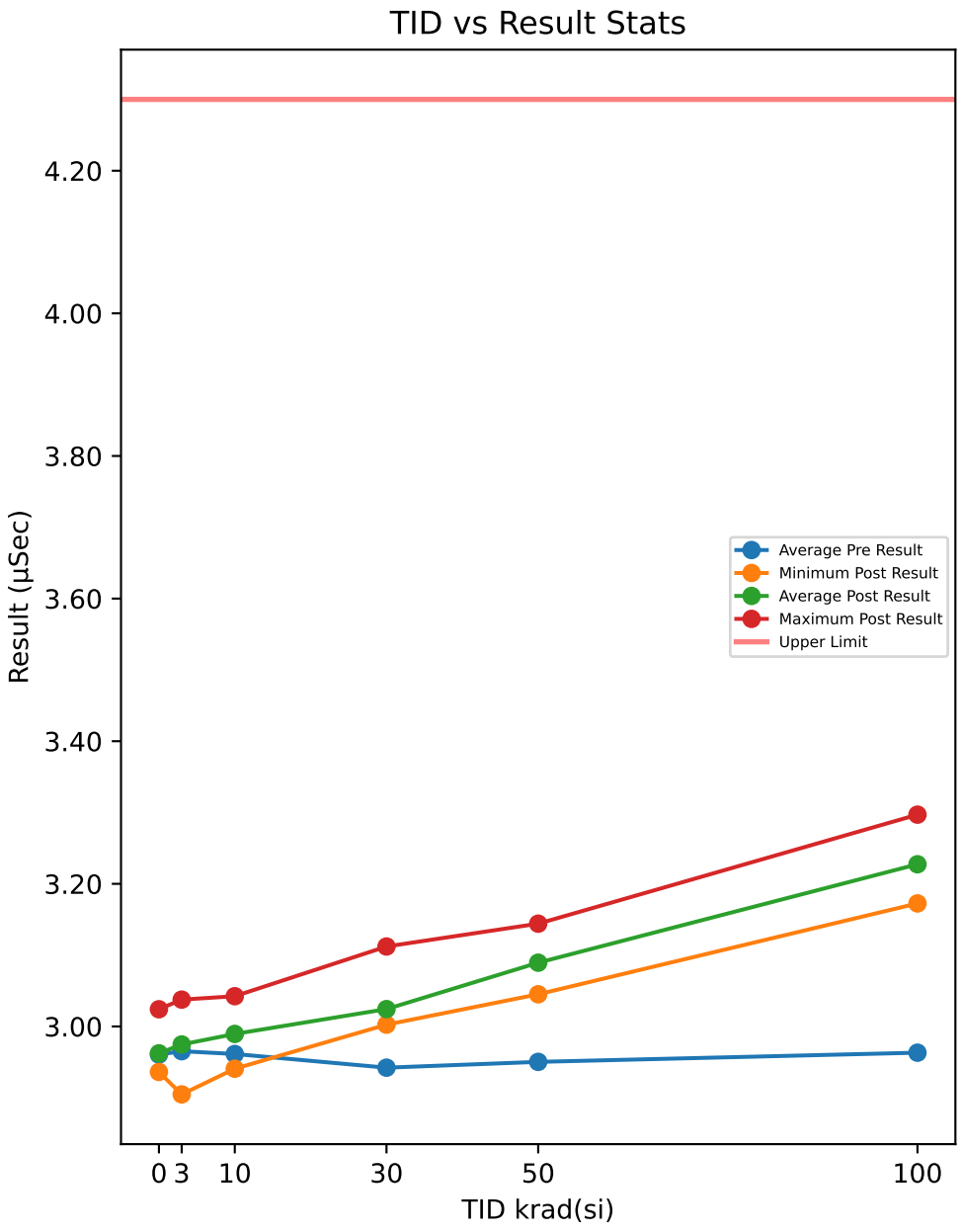
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

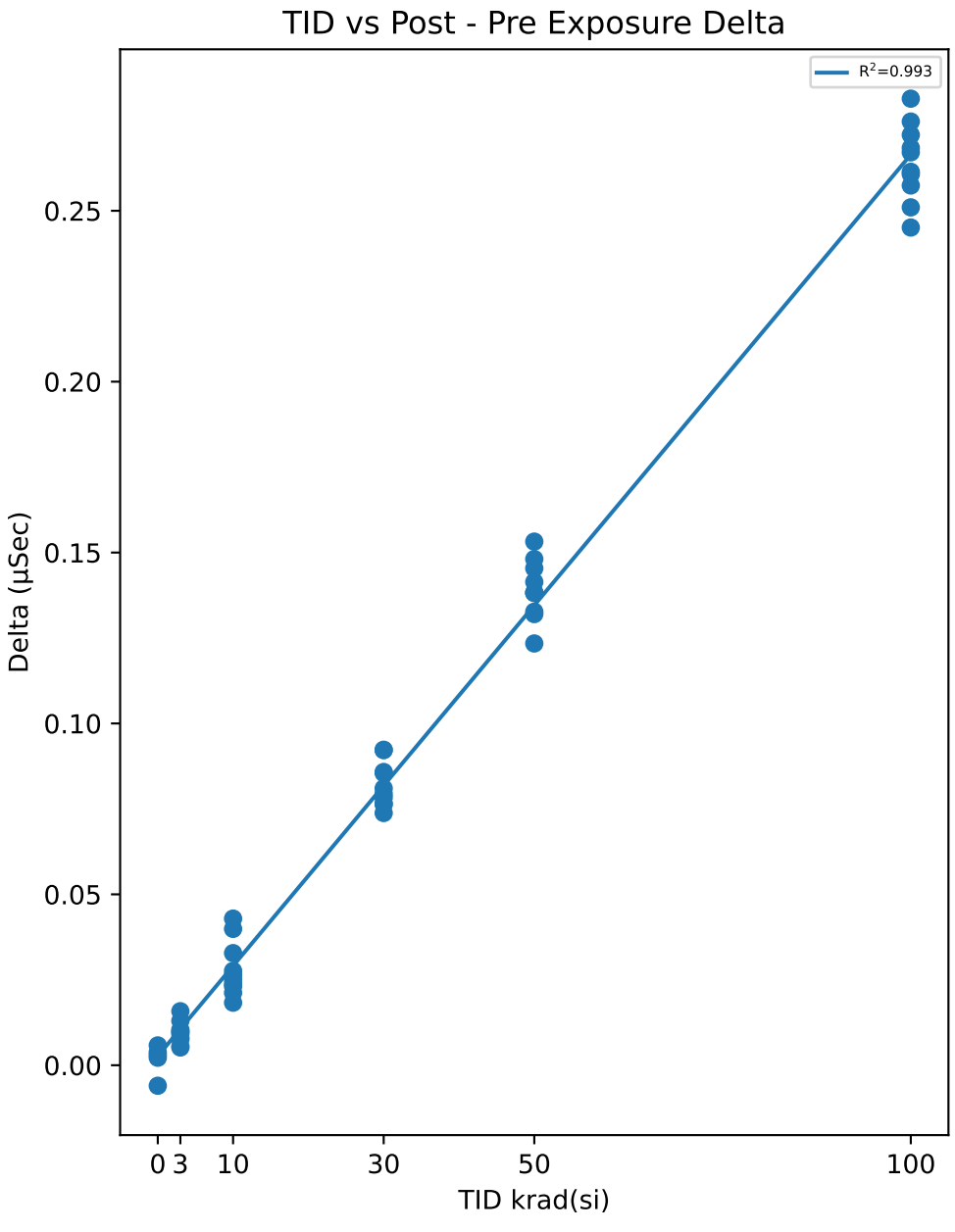
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.263	0.2645	0.0015
2	3	Biased	0.2623	0.2626	0.0003
3	3	Biased	0.269	0.2701	0.0011
4	3	Biased	0.2701	0.2705	0.0004
5	3	Biased	0.2689	0.2691	0.0002
6	3	Unbiased	0.2607	0.2607	0
7	3	Unbiased	0.2675	0.2675	0
8	3	Unbiased	0.26	0.2601	0.0001
9	3	Unbiased	0.2595	0.2601	0.0006
10	3	Unbiased	0.2617	0.2609	-0.0008
11	10	Biased	0.2691	0.2682	-0.0009
12	10	Biased	0.2629	0.2621	-0.0008
13	10	Biased	0.2622	0.2621	-0.0001
14	10	Biased	0.2707	0.2715	0.0008
15	10	Biased	0.2706	0.2707	0.0001
16	10	Unbiased	0.2692	0.2681	-0.0011
17	10	Unbiased	0.2696	0.2715	0.0019
18	10	Unbiased	0.262	0.2619	-0.0001
19	10	Unbiased	0.2693	0.2712	0.0019
20	10	Unbiased	0.2709	0.2711	0.0002
21	30	Biased	0.2631	0.2618	-0.0013
22	30	Biased	0.2624	0.2635	0.0011
23	30	Biased	0.2686	0.2686	0
24	30	Biased	0.2721	0.2724	0.0003
25	30	Biased	0.2701	0.2721	0.002
26	30	Unbiased	0.263	0.2622	-0.0008
27	30	Unbiased	0.2674	0.269	0.0016
28	30	Unbiased	0.2612	0.2618	0.0006
29	30	Unbiased	0.2609	0.2608	-0.0001
30	30	Unbiased	0.2703	0.2704	0.0001
31	50	Biased	0.2593	0.2603	0.001
32	50	Biased	0.2707	0.2714	0.0007
33	50	Biased	0.2642	0.2642	0
34	50	Biased	0.261	0.2606	-0.0004
35	50	Biased	0.2694	0.2681	-0.0013
36	50	Unbiased	0.2719	0.2721	0.0002
37	50	Unbiased	0.2609	0.2607	-0.0002
38	50	Unbiased	0.2711	0.2717	0.0006
39	50	Unbiased	0.2643	0.2656	0.0013
40	50	Unbiased	0.2641	0.2649	0.0008
41	100	Biased	0.2712	0.2721	0.0009
42	100	Biased	0.2635	0.2642	0.0007
43	100	Biased	0.2614	0.2621	0.0007
44	100	Biased	0.2633	0.2646	0.0013
45	100	Biased	0.2637	0.2637	0
46	100	Unbiased	0.2607	0.2634	0.0027
47	100	Unbiased	0.2618	0.2635	0.0017
48	100	Unbiased	0.2697	0.271	0.0013
49	100	Unbiased	0.2687	0.2699	0.0012
50	100	Unbiased	0.2706	0.273	0.0024
51	0	Correlation	0.2695	0.2701	0.0006
52	0	Correlation	0.2699	0.2706	0.0007
53	0	Correlation	0.2691	0.2693	0.0002
54	0	Correlation	0.2686	0.2692	0.0006
55	0	Correlation	0.2625	0.262	-0.0005

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	0.2625	0.26792	0.2699	0.0030679	0.262	0.26824	0.2706	0.003536	-0.0005	0.00032	0.0007	0.00049699
3	0.2595	0.26427	0.2701	0.0041374	0.2601	0.26461	0.2705	0.0043093	-0.0008	0.00034	0.0015	0.00063281
10	0.262	0.26765	0.2709	0.0037086	0.2619	0.26784	0.2715	0.0041934	-0.0011	0.00019	0.0019	0.0010661
30	0.2609	0.26591	0.2721	0.0042239	0.2608	0.26626	0.2724	0.0046622	-0.0013	0.00035	0.002	0.001019
50	0.2593	0.26569	0.2719	0.004704	0.2603	0.26596	0.2721	0.0046857	-0.0013	0.00027	0.0013	0.00077323
100	0.2607	0.26546	0.2712	0.0041094	0.2621	0.26675	0.273	0.0042098	0	0.00129	0.0027	0.00081028

Device Test: 5.4; PROPD_RESET





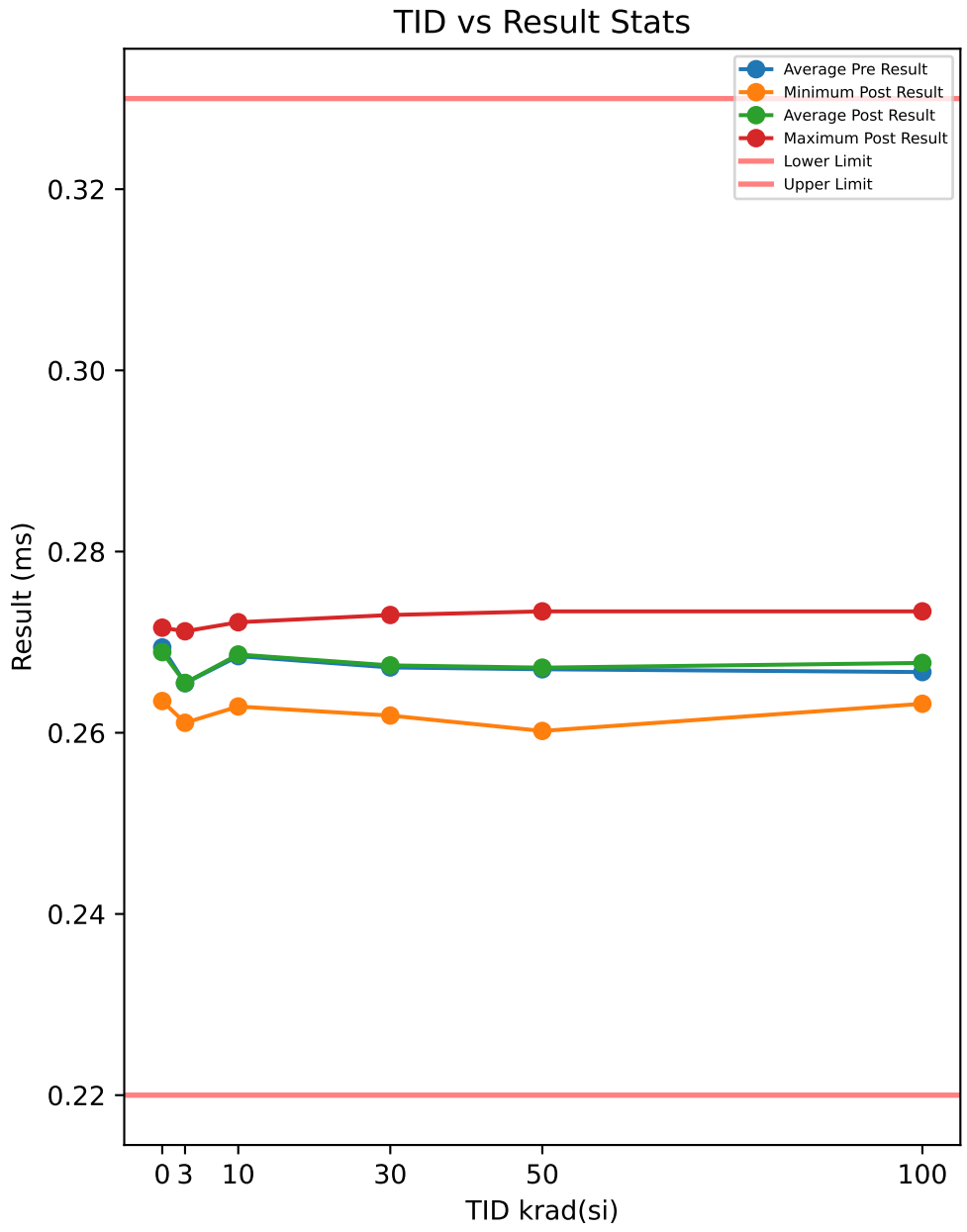
Test Results (Upper Limit = 4.3 (µSec))

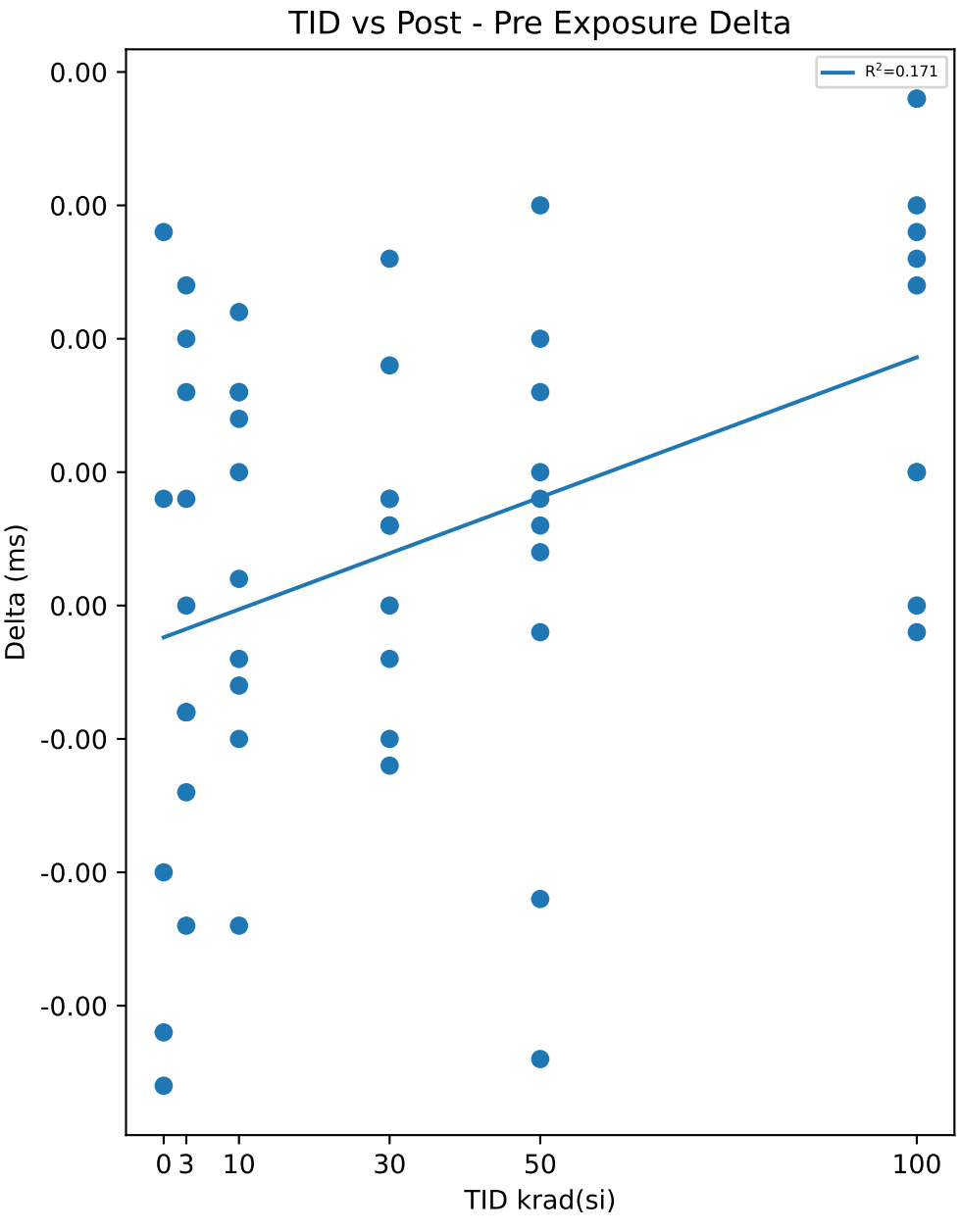
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.9206	2.9336	0.013
2	3	Biased	3.0131	3.0231	0.01
3	3	Biased	3.0115	3.0273	0.0158
4	3	Biased	2.9565	2.9645	0.008
5	3	Biased	2.8951	2.9047	0.0096
6	3	Unbiased	2.9313	2.9417	0.0104
7	3	Unbiased	3.03	3.0376	0.0076
8	3	Unbiased	2.9336	2.9391	0.0055
9	3	Unbiased	2.9831	2.9923	0.0092
10	3	Unbiased	2.978	2.9832	0.0052
11	10	Biased	2.9195	2.9407	0.0212
12	10	Biased	2.9289	2.9527	0.0238
13	10	Biased	2.9797	3.0125	0.0328
14	10	Biased	2.926	2.9659	0.0399
15	10	Biased	2.9491	2.9674	0.0183
16	10	Unbiased	2.9517	2.9748	0.0231
17	10	Unbiased	2.9995	3.0424	0.0429
18	10	Unbiased	2.9921	3.0197	0.0276
19	10	Unbiased	2.9538	2.9802	0.0264
20	10	Unbiased	3.0134	3.0385	0.0251
21	30	Biased	2.9339	3.0133	0.0794
22	30	Biased	2.9285	3.0068	0.0783
23	30	Biased	3.0383	3.1121	0.0738
24	30	Biased	2.9262	3.0025	0.0763
25	30	Biased	2.9411	3.0333	0.0922
26	30	Unbiased	2.9343	3.0266	0.0923
27	30	Unbiased	2.9289	3.0099	0.081
28	30	Unbiased	2.9421	3.0279	0.0858
29	30	Unbiased	2.9227	3.0082	0.0855
30	30	Unbiased	2.9259	3.0025	0.0766
31	50	Biased	3.0019	3.1402	0.1383
32	50	Biased	2.999	3.1224	0.1234
33	50	Biased	2.901	3.0542	0.1532
34	50	Biased	3.0027	3.1441	0.1414
35	50	Biased	2.9934	3.1254	0.132
36	50	Unbiased	2.9069	3.0451	0.1382
37	50	Unbiased	2.9403	3.073	0.1327
38	50	Unbiased	2.9436	3.0917	0.1481
39	50	Unbiased	2.9109	3.0491	0.1382
40	50	Unbiased	2.9034	3.0488	0.1454
41	100	Biased	2.9403	3.1913	0.251
42	100	Biased	2.9398	3.2012	0.2614
43	100	Biased	2.9415	3.2086	0.2671
44	100	Biased	3.0075	3.2836	0.2761
45	100	Biased	2.9151	3.1725	0.2574
46	100	Unbiased	3.0096	3.2924	0.2828
47	100	Unbiased	3.029	3.2741	0.2451
48	100	Unbiased	3.0248	3.297	0.2722
49	100	Unbiased	2.916	3.1767	0.2607
50	100	Unbiased	2.9083	3.1767	0.2684
51	0	Correlation	2.9324	2.9362	0.0038
52	0	Correlation	3.0211	3.0241	0.003
53	0	Correlation	2.9435	2.9457	0.0022
54	0	Correlation	2.9735	2.9675	-0.006
55	0	Correlation	2.9322	2.938	0.0058

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	2.9322	2.9605	3.0211	0.037818	2.9362	2.9623	3.0241	0.03672	-0.006	0.00176	0.0058	0.0045396
3	2.8951	2.9653	3.03	0.045028	2.9047	2.9747	3.0376	0.045335	0.0052	0.00943	0.0158	0.0032215
10	2.9195	2.9614	3.0134	0.033	2.9407	2.9895	3.0424	0.036093	0.0183	0.02811	0.0429	0.0080253
30	2.9227	2.9422	3.0383	0.034374	3.0025	3.0243	3.1121	0.032749	0.0738	0.08212	0.0923	0.0065576
50	2.901	2.9503	3.0027	0.044533	3.0451	3.0894	3.1441	0.040423	0.1234	0.13909	0.1532	0.0085953
100	2.9083	2.9632	3.029	0.048692	3.1725	3.2274	3.297	0.052606	0.2451	0.26422	0.2828	0.011465

Device Test: 5.40; DLY_TMR_10KOHM





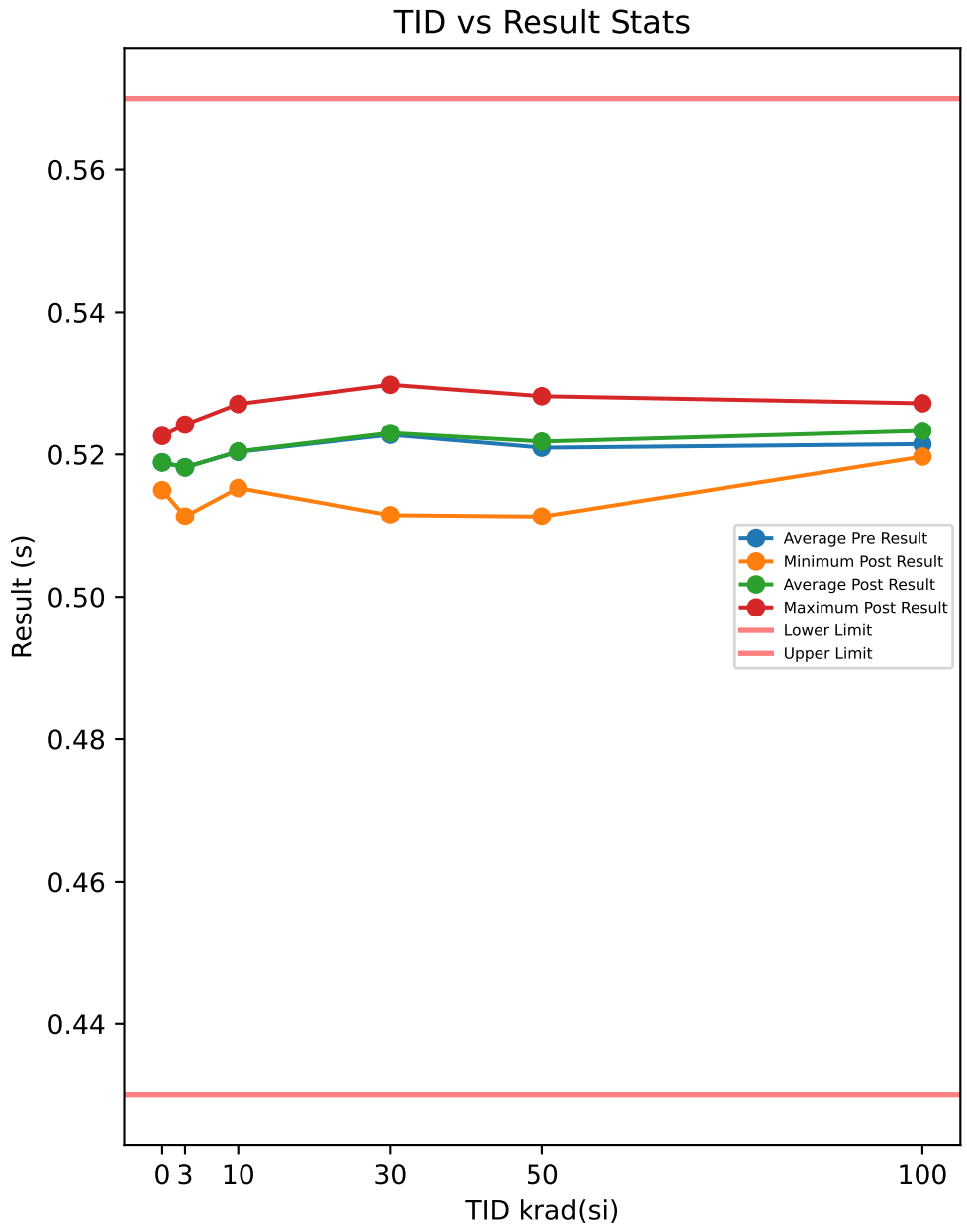
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

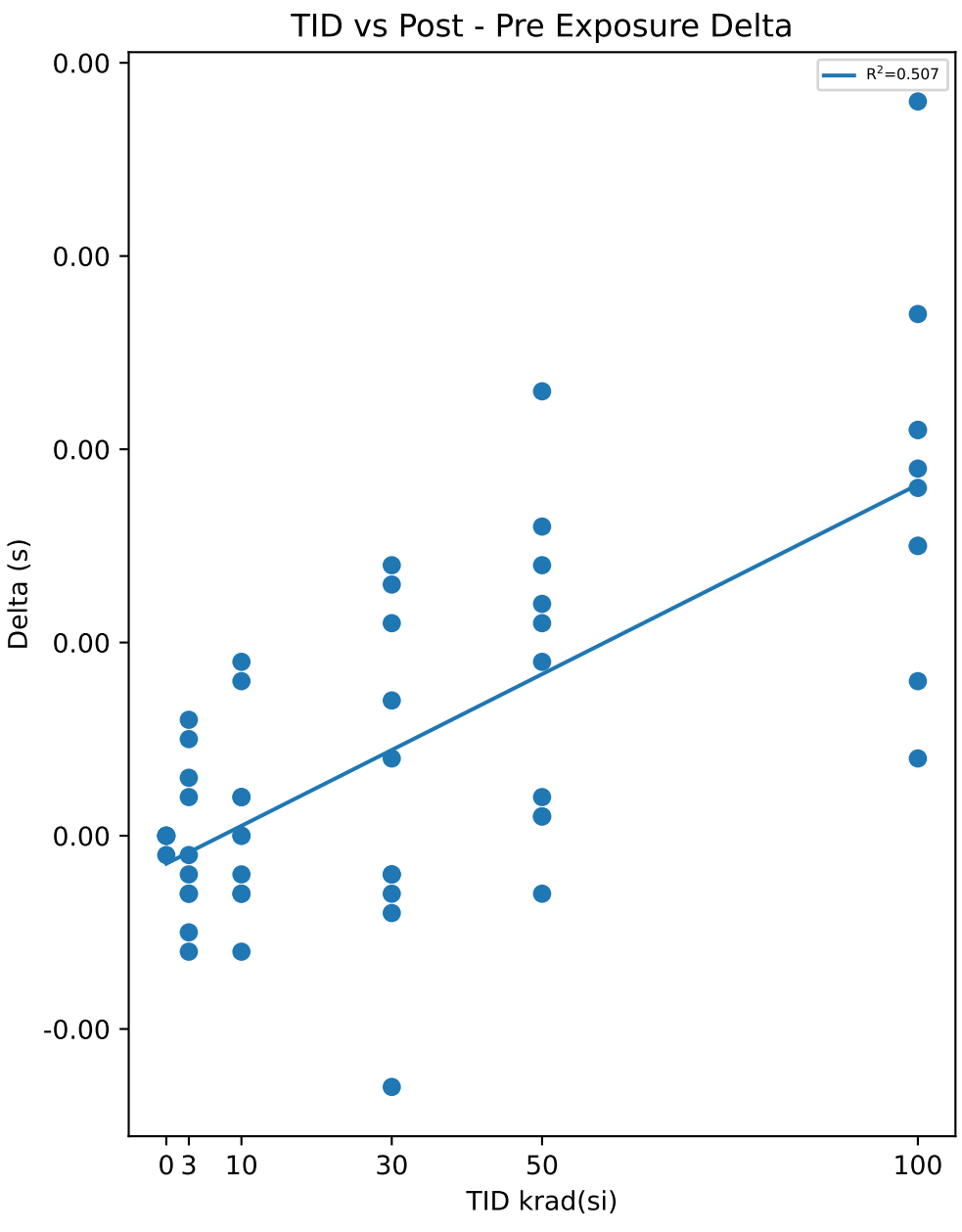
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2646	0.2642	-0.0004
2	3	Biased	0.2629	0.2622	-0.0007
3	3	Biased	0.27	0.2712	0.0012
4	3	Biased	0.2713	0.2709	-0.0004
5	3	Biased	0.269	0.2686	-0.0004
6	3	Unbiased	0.2623	0.2611	-0.0012
7	3	Unbiased	0.269	0.27	0.001
8	3	Unbiased	0.2621	0.2621	0
9	3	Unbiased	0.2604	0.2612	0.0008
10	3	Unbiased	0.2631	0.2635	0.0004
11	10	Biased	0.2695	0.2693	-0.0002
12	10	Biased	0.2641	0.2629	-0.0012
13	10	Biased	0.2628	0.2636	0.0008
14	10	Biased	0.2718	0.2715	-0.0003
15	10	Biased	0.27	0.2711	0.0011
16	10	Unbiased	0.2691	0.2699	0.0008
17	10	Unbiased	0.2717	0.2722	0.0005
18	10	Unbiased	0.2631	0.2632	0.0001
19	10	Unbiased	0.2709	0.2716	0.0007
20	10	Unbiased	0.2716	0.2711	-0.0005
21	30	Biased	0.2635	0.2633	-0.0002
22	30	Biased	0.2649	0.2653	0.0004
23	30	Biased	0.2696	0.2696	0
24	30	Biased	0.2726	0.273	0.0004
25	30	Biased	0.2727	0.273	0.0003
26	30	Unbiased	0.2634	0.2628	-0.0006
27	30	Unbiased	0.2696	0.2705	0.0009
28	30	Unbiased	0.2621	0.2634	0.0013
29	30	Unbiased	0.2616	0.2619	0.0003
30	30	Unbiased	0.2721	0.2716	-0.0005
31	50	Biased	0.2613	0.2602	-0.0011
32	50	Biased	0.2732	0.2731	-0.0001
33	50	Biased	0.2653	0.2661	0.0008
34	50	Biased	0.2627	0.2629	0.0002
35	50	Biased	0.2709	0.2692	-0.0017
36	50	Unbiased	0.2719	0.2734	0.0015
37	50	Unbiased	0.2623	0.2628	0.0005
38	50	Unbiased	0.2728	0.2732	0.0004
39	50	Unbiased	0.2654	0.2664	0.001
40	50	Unbiased	0.2643	0.2646	0.0003
41	100	Biased	0.2724	0.2729	0.0005
42	100	Biased	0.2629	0.2648	0.0019
43	100	Biased	0.2638	0.2643	0.0005
44	100	Biased	0.2643	0.2662	0.0019
45	100	Biased	0.2644	0.2657	0.0013
46	100	Unbiased	0.2633	0.2632	-0.0001
47	100	Unbiased	0.2635	0.2635	0
48	100	Unbiased	0.2706	0.272	0.0014
49	100	Unbiased	0.2699	0.2711	0.0012
50	100	Unbiased	0.2719	0.2734	0.0015
51	0	Correlation	0.2711	0.2693	-0.0018
52	0	Correlation	0.2702	0.2716	0.0014
53	0	Correlation	0.2717	0.2707	-0.001
54	0	Correlation	0.271	0.2694	-0.0016
55	0	Correlation	0.2631	0.2635	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	0.2631	0.26942	0.2717	0.0035731	0.2635	0.2689	0.2716	0.0031662	-0.0018	-0.00052	0.0014	0.0013755
3	0.2604	0.26547	0.2713	0.0039373	0.2611	0.2655	0.2712	0.0041833	-0.0012	3e-05	0.0012	0.00079169
10	0.2628	0.26846	0.2718	0.0036682	0.2629	0.26864	0.2722	0.0038251	-0.0012	0.00018	0.0011	0.00072541
30	0.2616	0.26721	0.2727	0.0045427	0.2619	0.26744	0.273	0.0045145	-0.0006	0.00023	0.0013	0.00058888
50	0.2613	0.26701	0.2732	0.0046799	0.2602	0.26719	0.2734	0.0048156	-0.0017	0.00018	0.0015	0.00095545
100	0.2629	0.2667	0.2724	0.0039536	0.2632	0.26771	0.2734	0.0041324	-0.0001	0.00101	0.0019	0.00073553

Device Test: 5.41; WD_TMR_10KOHM





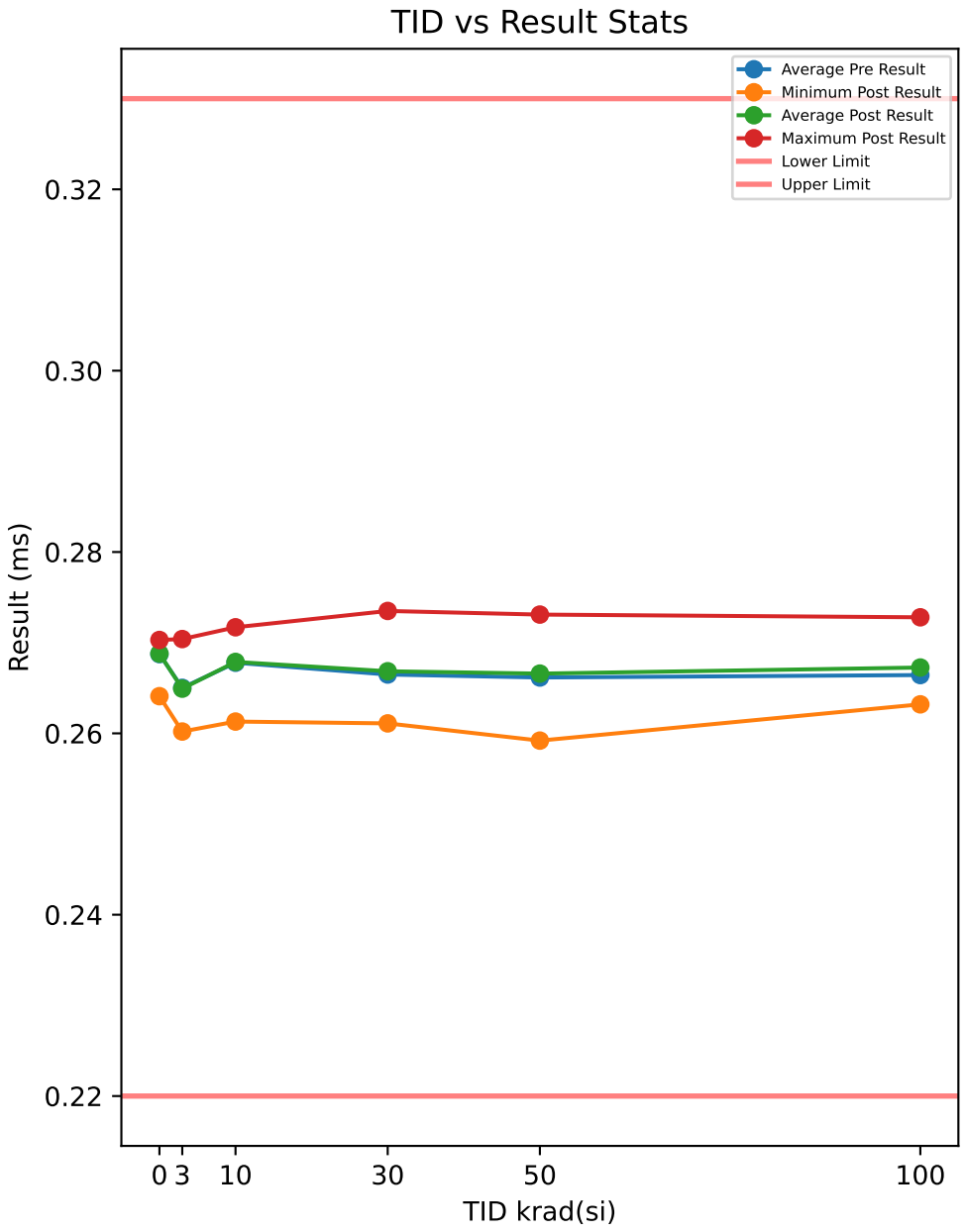
Test Results (Lower Limit = 0.43, Upper Limit = 0.57 (s))

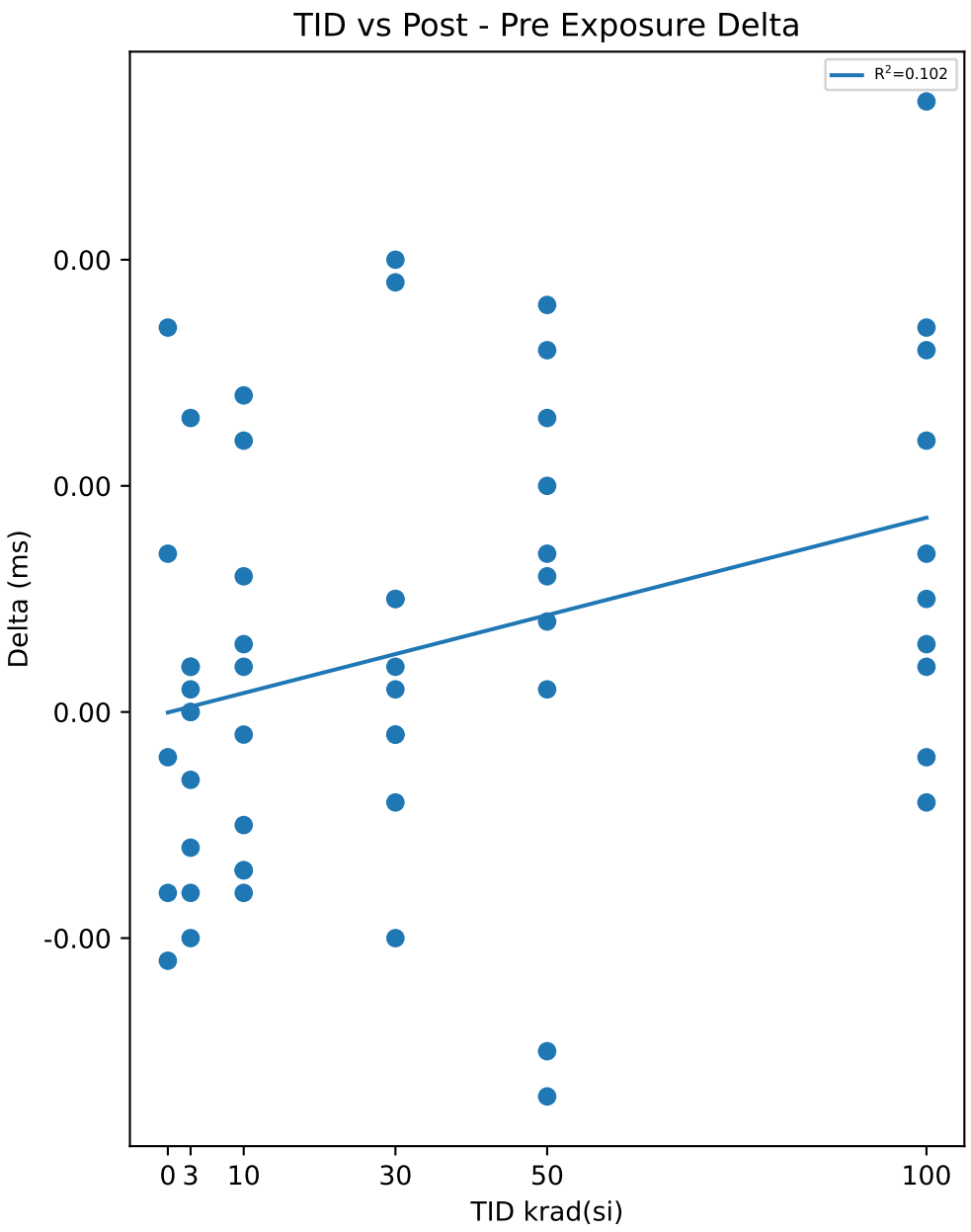
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.524	0.5242	0.0002
2	3	Biased	0.5108	0.5113	0.0005
3	3	Biased	0.5201	0.5195	-0.0006
4	3	Biased	0.521	0.5205	-0.0005
5	3	Biased	0.5225	0.5223	-0.0002
6	3	Unbiased	0.5188	0.5187	-0.0001
7	3	Unbiased	0.5161	0.5164	0.0003
8	3	Unbiased	0.5153	0.5159	0.0006
9	3	Unbiased	0.5178	0.5175	-0.0003
10	3	Unbiased	0.5157	0.5154	-0.0003
11	10	Biased	0.5204	0.5204	0
12	10	Biased	0.5207	0.5205	-0.0002
13	10	Biased	0.5217	0.5214	-0.0003
14	10	Biased	0.5271	0.5271	0
15	10	Biased	0.5144	0.5153	0.0009
16	10	Unbiased	0.5223	0.522	-0.0003
17	10	Unbiased	0.5225	0.5233	0.0008
18	10	Unbiased	0.5192	0.5194	0.0002
19	10	Unbiased	0.5152	0.5154	0.0002
20	10	Unbiased	0.5201	0.5195	-0.0006
21	30	Biased	0.5245	0.5243	-0.0002
22	30	Biased	0.5253	0.5251	-0.0002
23	30	Biased	0.5199	0.5196	-0.0003
24	30	Biased	0.5241	0.5237	-0.0004
25	30	Biased	0.5111	0.5115	0.0004
26	30	Unbiased	0.5209	0.5216	0.0007
27	30	Unbiased	0.5214	0.5227	0.0013
28	30	Unbiased	0.5311	0.5298	-0.0013
29	30	Unbiased	0.521	0.5221	0.0011
30	30	Unbiased	0.5283	0.5297	0.0014
31	50	Biased	0.5116	0.5113	-0.0003
32	50	Biased	0.5208	0.522	0.0012
33	50	Biased	0.5249	0.525	0.0001
34	50	Biased	0.5187	0.5188	0.0001
35	50	Biased	0.5215	0.5224	0.0009
36	50	Unbiased	0.5205	0.5207	0.0002
37	50	Unbiased	0.5208	0.5231	0.0023
38	50	Unbiased	0.5256	0.527	0.0014
39	50	Unbiased	0.5266	0.5282	0.0016
40	50	Unbiased	0.5184	0.5195	0.0011
41	100	Biased	0.5257	0.5272	0.0015
42	100	Biased	0.5225	0.5243	0.0018
43	100	Biased	0.519	0.5217	0.0027
44	100	Biased	0.5244	0.5248	0.0004
45	100	Biased	0.5218	0.5233	0.0015
46	100	Unbiased	0.5238	0.5246	0.0008
47	100	Unbiased	0.521	0.5248	0.0038
48	100	Unbiased	0.5178	0.5197	0.0019
49	100	Unbiased	0.5178	0.5199	0.0021
50	100	Unbiased	0.5207	0.5228	0.0021
51	0	Correlation	0.5215	0.5215	0
52	0	Correlation	0.515	0.515	0
53	0	Correlation	0.517	0.517	0
54	0	Correlation	0.5227	0.5226	-0.0001
55	0	Correlation	0.5183	0.5183	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	0.515	0.5189	0.5227	0.0031773	0.515	0.51888	0.5226	0.0031475	-0.0001	-2e-05	0	4.4721e-05
3	0.5108	0.51821	0.524	0.0039148	0.5113	0.51817	0.5242	0.0037193	-0.0006	-4e-05	0.0006	0.00041687
10	0.5144	0.52036	0.5271	0.00364	0.5153	0.52043	0.5271	0.003491	-0.0006	7e-05	0.0009	0.00047854
30	0.5111	0.52276	0.5311	0.0054167	0.5115	0.52301	0.5298	0.005211	-0.0013	0.00025	0.0014	0.00087591
50	0.5116	0.52094	0.5266	0.0043293	0.5113	0.5218	0.5282	0.0047852	-0.0003	0.00086	0.0023	0.00081813
100	0.5178	0.52145	0.5257	0.0027269	0.5197	0.52331	0.5272	0.0023506	0.0004	0.00186	0.0038	0.00094892

Device Test: 5.42; DLY_TMR_10KOHM





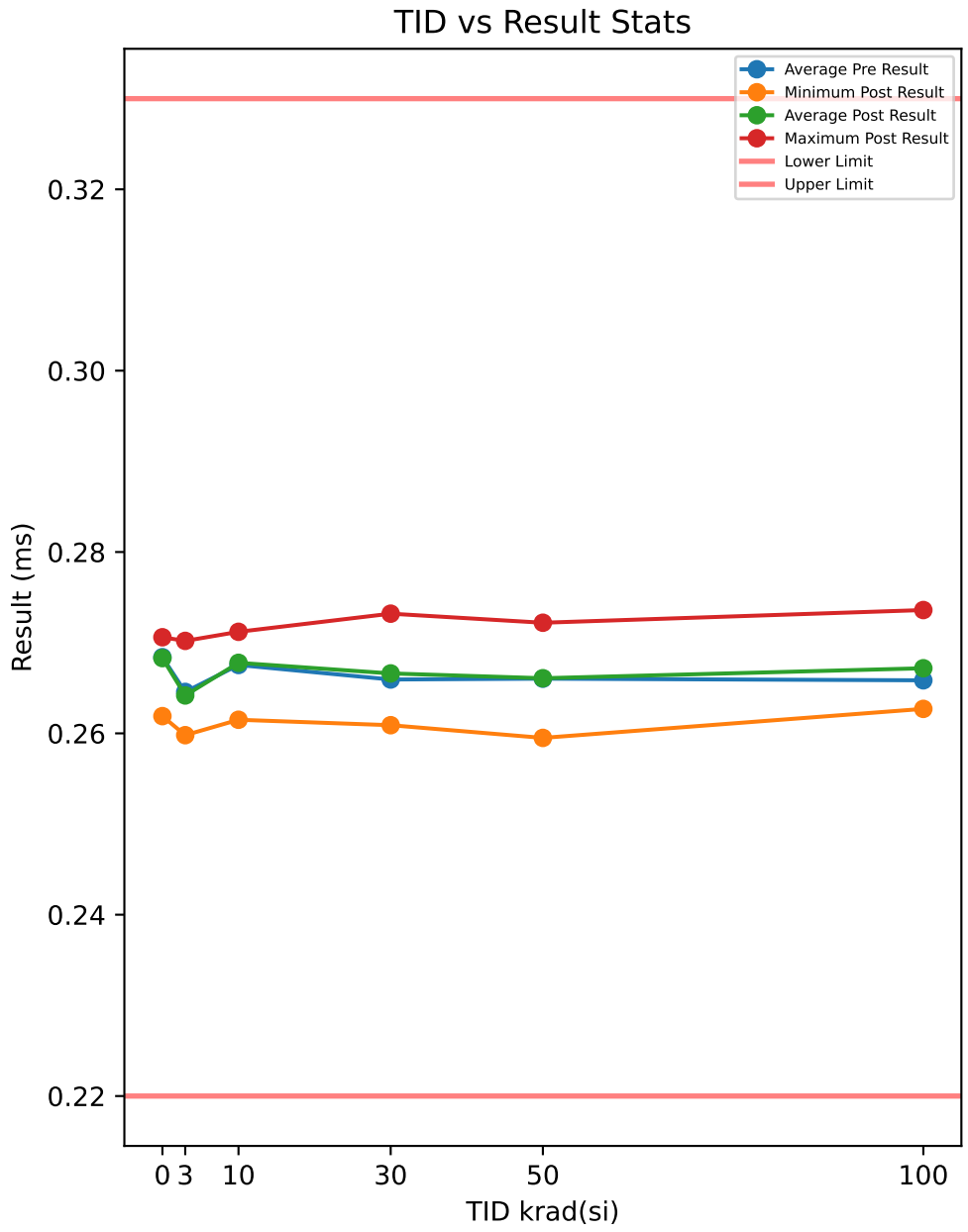
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

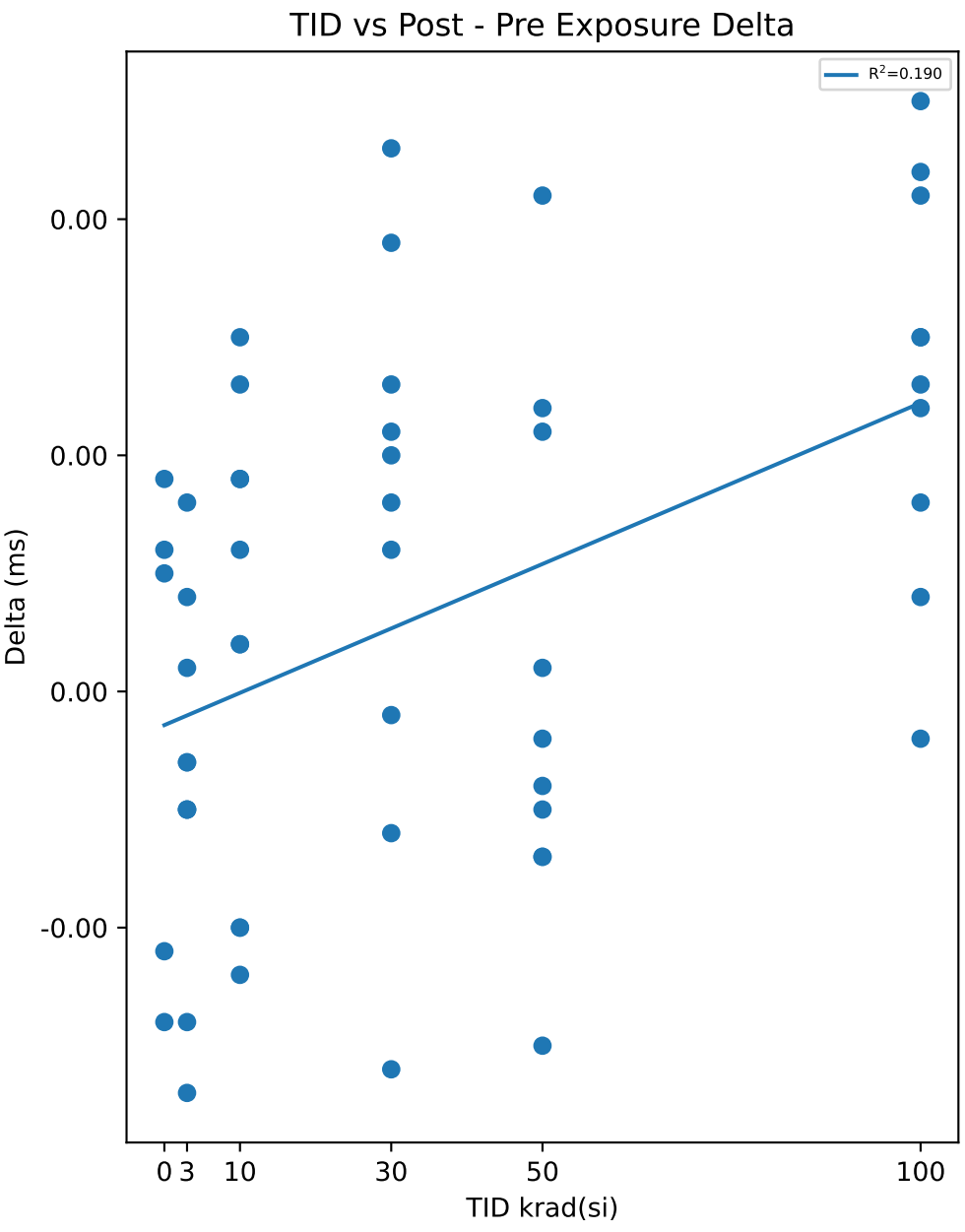
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2638	0.2639	0.0001
2	3	Biased	0.2617	0.263	0.0013
3	3	Biased	0.2703	0.2693	-0.001
4	3	Biased	0.271	0.2704	-0.0006
5	3	Biased	0.2685	0.2685	0
6	3	Unbiased	0.2622	0.2624	0.0002
7	3	Unbiased	0.2688	0.268	-0.0008
8	3	Unbiased	0.2602	0.2604	0.0002
9	3	Unbiased	0.2605	0.2602	-0.0003
10	3	Unbiased	0.2632	0.2632	0
11	10	Biased	0.2682	0.2688	0.0006
12	10	Biased	0.2624	0.2638	0.0014
13	10	Biased	0.2626	0.2625	-0.0001
14	10	Biased	0.2705	0.2717	0.0012
15	10	Biased	0.2713	0.2706	-0.0007
16	10	Unbiased	0.2694	0.2686	-0.0008
17	10	Unbiased	0.2699	0.2701	0.0002
18	10	Unbiased	0.262	0.2613	-0.0007
19	10	Unbiased	0.2714	0.2717	0.0003
20	10	Unbiased	0.2702	0.2697	-0.0005
21	30	Biased	0.2621	0.262	-0.0001
22	30	Biased	0.2637	0.2638	0.0001
23	30	Biased	0.2695	0.27	0.0005
24	30	Biased	0.2716	0.2735	0.0019
25	30	Biased	0.2724	0.2714	-0.001
26	30	Unbiased	0.2626	0.2631	0.0005
27	30	Unbiased	0.2686	0.2706	0.002
28	30	Unbiased	0.2615	0.2614	-0.0001
29	30	Unbiased	0.2609	0.2611	0.0002
30	30	Unbiased	0.272	0.2716	-0.0004
31	50	Biased	0.2609	0.2592	-0.0017
32	50	Biased	0.2715	0.2731	0.0016
33	50	Biased	0.2636	0.2642	0.0006
34	50	Biased	0.2624	0.2625	0.0001
35	50	Biased	0.2702	0.2687	-0.0015
36	50	Unbiased	0.2712	0.2725	0.0013
37	50	Unbiased	0.2605	0.2623	0.0018
38	50	Unbiased	0.2722	0.2729	0.0007
39	50	Unbiased	0.2649	0.2653	0.0004
40	50	Unbiased	0.2642	0.2652	0.001
41	100	Biased	0.272	0.2718	-0.0002
42	100	Biased	0.2628	0.2645	0.0017
43	100	Biased	0.2629	0.2632	0.0003
44	100	Biased	0.2639	0.2655	0.0016
45	100	Biased	0.2649	0.2645	-0.0004
46	100	Unbiased	0.2613	0.264	0.0027
47	100	Unbiased	0.2631	0.2633	0.0002
48	100	Unbiased	0.2718	0.2723	0.0005
49	100	Unbiased	0.2695	0.2707	0.0012
50	100	Unbiased	0.2721	0.2728	0.0007
51	0	Correlation	0.2691	0.2698	0.0007
52	0	Correlation	0.2712	0.2701	-0.0011
53	0	Correlation	0.2711	0.2703	-0.0008
54	0	Correlation	0.2699	0.2697	-0.0002
55	0	Correlation	0.2624	0.2641	0.0017

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	0.2624	0.26874	0.2712	0.0036501	0.2641	0.2688	0.2703	0.0026382	-0.0011	6e-05	0.0017	0.0011459
3	0.2602	0.26502	0.271	0.004183	0.2602	0.26493	0.2704	0.0037751	-0.001	-9e-05	0.0013	0.00064885
10	0.262	0.26779	0.2714	0.0038763	0.2613	0.26788	0.2717	0.0038741	-0.0008	9e-05	0.0014	0.00079505
30	0.2609	0.26649	0.2724	0.0047522	0.2611	0.26685	0.2735	0.0049568	-0.001	0.00036	0.002	0.0009454
50	0.2605	0.26616	0.2722	0.0046253	0.2592	0.26659	0.2731	0.0049512	-0.0017	0.00043	0.0018	0.0011926
100	0.2613	0.26643	0.2721	0.0043871	0.2632	0.26726	0.2728	0.0040779	-0.0004	0.00083	0.0027	0.00096385

Device Test: 5.43; DLY_TMR_10KOHM





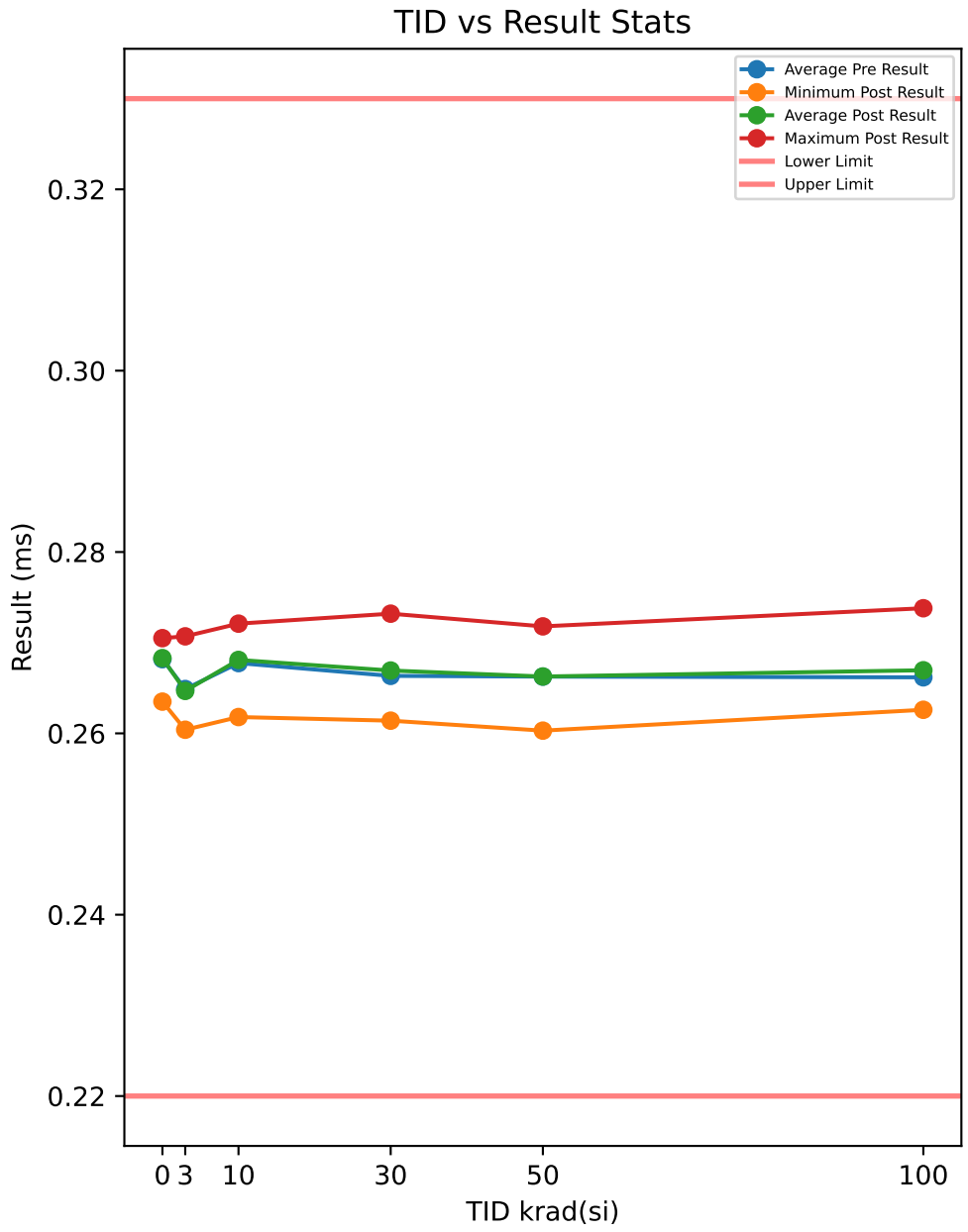
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

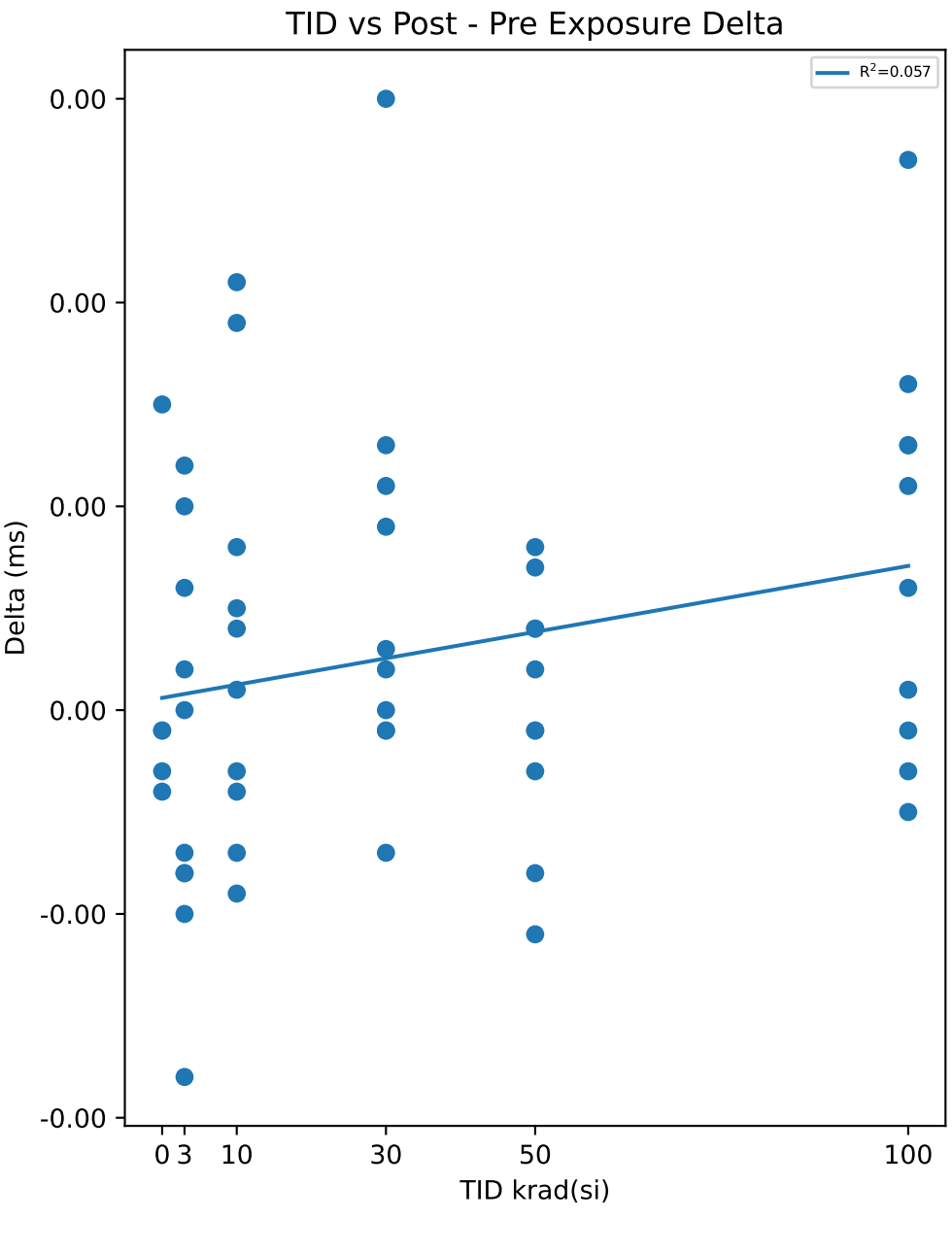
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2644	0.2627	-0.0017
2	3	Biased	0.2629	0.2615	-0.0014
3	3	Biased	0.2707	0.2702	-0.0005
4	3	Biased	0.2699	0.2694	-0.0005
5	3	Biased	0.2676	0.2673	-0.0003
6	3	Unbiased	0.2611	0.2619	0.0008
7	3	Unbiased	0.2673	0.2677	0.0004
8	3	Unbiased	0.2599	0.26	0.0001
9	3	Unbiased	0.2601	0.2598	-0.0003
10	3	Unbiased	0.2618	0.2613	-0.0005
11	10	Biased	0.2685	0.2691	0.0006
12	10	Biased	0.263	0.2632	0.0002
13	10	Biased	0.2625	0.2615	-0.001
14	10	Biased	0.2708	0.271	0.0002
15	10	Biased	0.27	0.269	-0.001
16	10	Unbiased	0.2679	0.2692	0.0013
17	10	Unbiased	0.2697	0.2712	0.0015
18	10	Unbiased	0.263	0.2618	-0.0012
19	10	Unbiased	0.2701	0.271	0.0009
20	10	Unbiased	0.2699	0.2708	0.0009
21	30	Biased	0.263	0.2614	-0.0016
22	30	Biased	0.2624	0.2647	0.0023
23	30	Biased	0.2688	0.2696	0.0008
24	30	Biased	0.2721	0.2732	0.0011
25	30	Biased	0.2701	0.2711	0.001
26	30	Unbiased	0.2616	0.2629	0.0013
27	30	Unbiased	0.2694	0.2693	-0.0001
28	30	Unbiased	0.2606	0.2625	0.0019
29	30	Unbiased	0.2615	0.2609	-0.0006
30	30	Unbiased	0.2699	0.2705	0.0006
31	50	Biased	0.2602	0.2595	-0.0007
32	50	Biased	0.2724	0.2717	-0.0007
33	50	Biased	0.2628	0.2649	0.0021
34	50	Biased	0.2625	0.261	-0.0015
35	50	Biased	0.2689	0.2684	-0.0005
36	50	Unbiased	0.2719	0.2717	-0.0002
37	50	Unbiased	0.2617	0.2613	-0.0004
38	50	Unbiased	0.2721	0.2722	0.0001
39	50	Unbiased	0.2644	0.2656	0.0012
40	50	Unbiased	0.2634	0.2645	0.0011
41	100	Biased	0.2703	0.2728	0.0025
42	100	Biased	0.2619	0.2641	0.0022
43	100	Biased	0.2629	0.2627	-0.0002
44	100	Biased	0.2624	0.2645	0.0021
45	100	Biased	0.2634	0.2642	0.0008
46	100	Unbiased	0.2625	0.2638	0.0013
47	100	Unbiased	0.2617	0.2632	0.0015
48	100	Unbiased	0.2713	0.2717	0.0004
49	100	Unbiased	0.27	0.2712	0.0012
50	100	Unbiased	0.2721	0.2736	0.0015
51	0	Correlation	0.2696	0.2702	0.0006
52	0	Correlation	0.2701	0.2706	0.0005
53	0	Correlation	0.2703	0.2692	-0.0011
54	0	Correlation	0.2687	0.2696	0.0009
55	0	Correlation	0.2633	0.2619	-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	0.2633	0.2684	0.2703	0.0029172	0.2619	0.2683	0.2706	0.003618	-0.0014	-0.0001	0.0009	0.0010654
3	0.2599	0.26457	0.2707	0.0040406	0.2598	0.26418	0.2702	0.0040157	-0.0017	-0.00039	0.0008	0.00075048
10	0.2625	0.26754	0.2708	0.0033523	0.2615	0.26778	0.2712	0.0039858	-0.0012	0.00024	0.0015	0.00099242
30	0.2606	0.26594	0.2721	0.0044637	0.2609	0.26661	0.2732	0.004582	-0.0016	0.00067	0.0023	0.0011662
50	0.2602	0.26603	0.2724	0.0047763	0.2595	0.26608	0.2722	0.0047384	-0.0015	5e-05	0.0021	0.0010916
100	0.2617	0.26585	0.2721	0.0044278	0.2627	0.26718	0.2736	0.0045003	-0.0002	0.00133	0.0025	0.0008354

Device Test: 5.44; DLY_TMR_10KOHM





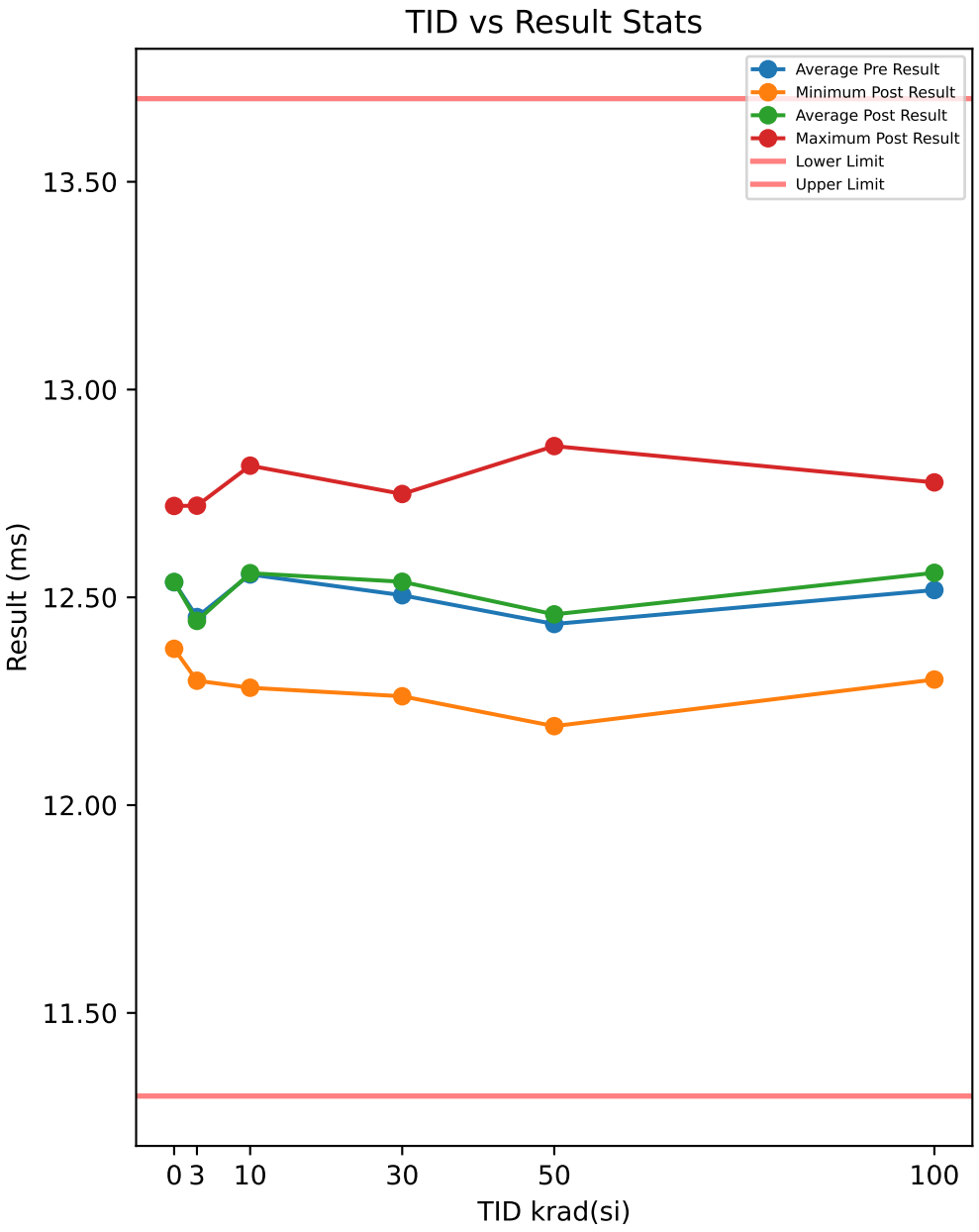
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

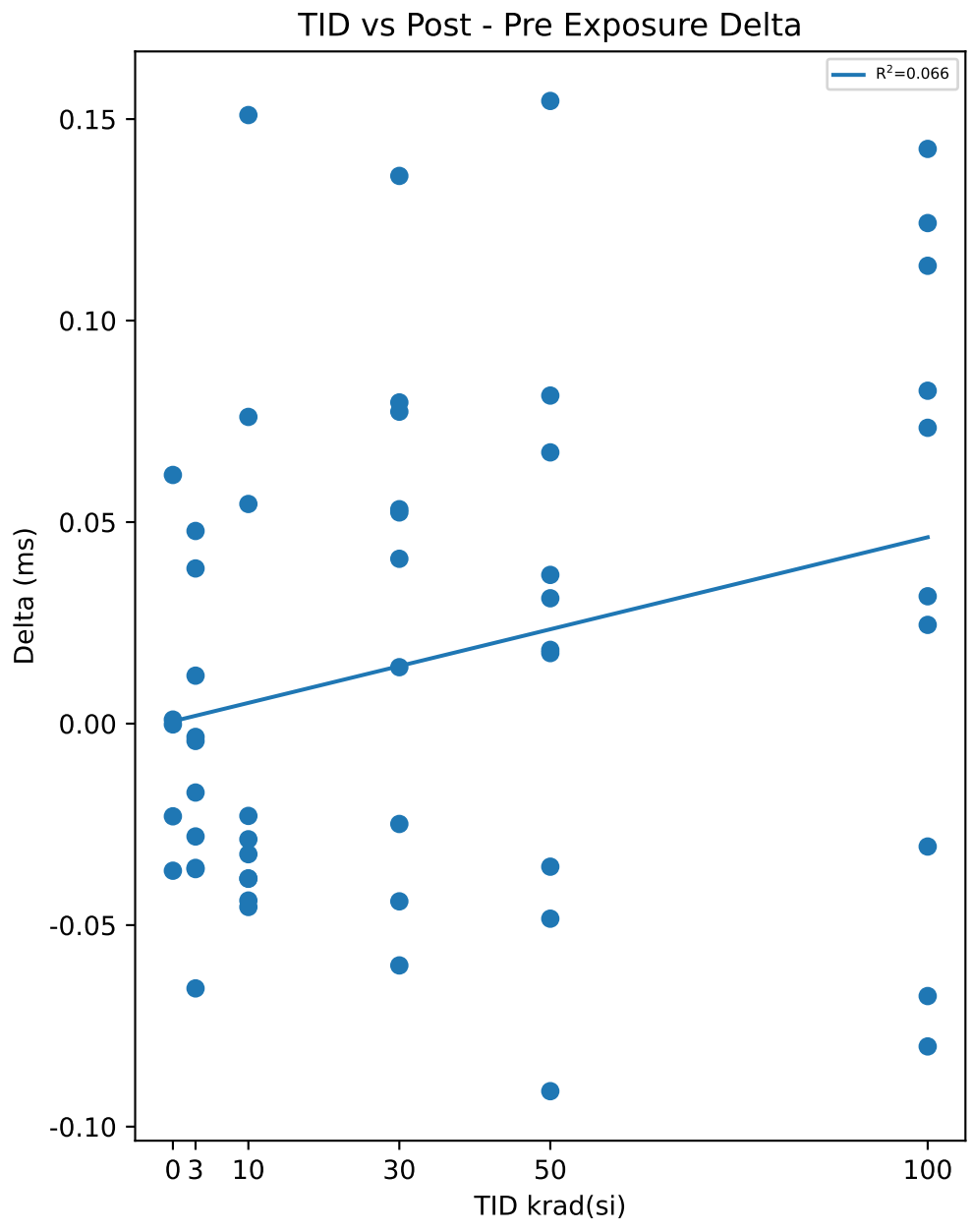
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.265	0.2642	-0.0008
2	3	Biased	0.2631	0.2613	-0.0018
3	3	Biased	0.2697	0.2707	0.001
4	3	Biased	0.2705	0.2695	-0.001
5	3	Biased	0.2677	0.2677	0
6	3	Unbiased	0.2612	0.2604	-0.0008
7	3	Unbiased	0.2688	0.2694	0.0006
8	3	Unbiased	0.2603	0.2615	0.0012
9	3	Unbiased	0.2603	0.2605	0.0002
10	3	Unbiased	0.2623	0.2616	-0.0007
11	10	Biased	0.27	0.2697	-0.0003
12	10	Biased	0.2634	0.2639	0.0005
13	10	Biased	0.2625	0.2629	0.0004
14	10	Biased	0.2702	0.2721	0.0019
15	10	Biased	0.2709	0.2702	-0.0007
16	10	Unbiased	0.2681	0.2702	0.0021
17	10	Unbiased	0.2698	0.2706	0.0008
18	10	Unbiased	0.2617	0.2618	0.0001
19	10	Unbiased	0.2709	0.27	-0.0009
20	10	Unbiased	0.27	0.2696	-0.0004
21	30	Biased	0.2625	0.2624	-0.0001
22	30	Biased	0.2642	0.2645	0.0003
23	30	Biased	0.2702	0.2695	-0.0007
24	30	Biased	0.272	0.2722	0.0002
25	30	Biased	0.2702	0.2732	0.003
26	30	Unbiased	0.2627	0.2626	-0.0001
27	30	Unbiased	0.2689	0.2702	0.0013
28	30	Unbiased	0.2624	0.2624	0
29	30	Unbiased	0.2603	0.2614	0.0011
30	30	Unbiased	0.27	0.2709	0.0009
31	50	Biased	0.2601	0.2603	0.0002
32	50	Biased	0.2726	0.2718	-0.0008
33	50	Biased	0.2642	0.2649	0.0007
34	50	Biased	0.262	0.2624	0.0004
35	50	Biased	0.2695	0.2684	-0.0011
36	50	Unbiased	0.2712	0.2716	0.0004
37	50	Unbiased	0.2618	0.2626	0.0008
38	50	Unbiased	0.2721	0.2718	-0.0003
39	50	Unbiased	0.2642	0.2641	-0.0001
40	50	Unbiased	0.2649	0.2648	-0.0001
41	100	Biased	0.2712	0.2718	0.0006
42	100	Biased	0.2636	0.2647	0.0011
43	100	Biased	0.2631	0.263	-0.0001
44	100	Biased	0.2641	0.2642	0.0001
45	100	Biased	0.2646	0.2641	-0.0005
46	100	Unbiased	0.2625	0.2638	0.0013
47	100	Unbiased	0.2613	0.2626	0.0013
48	100	Unbiased	0.2702	0.2718	0.0016
49	100	Unbiased	0.2701	0.2698	-0.0003
50	100	Unbiased	0.2711	0.2738	0.0027
51	0	Correlation	0.269	0.2705	0.0015
52	0	Correlation	0.27	0.2697	-0.0003
53	0	Correlation	0.2697	0.2693	-0.0004
54	0	Correlation	0.2686	0.2685	-0.0001
55	0	Correlation	0.2636	0.2635	-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	0.2636	0.26818	0.27	0.0026195	0.2635	0.2683	0.2705	0.0027785	-0.0004	0.00012	0.0015	0.0007823
3	0.2603	0.26489	0.2705	0.0039926	0.2604	0.26468	0.2707	0.0041888	-0.0018	-0.00021	0.0012	0.00096661
10	0.2617	0.26775	0.2709	0.0037026	0.2618	0.2681	0.2721	0.0037097	-0.0009	0.00035	0.0021	0.0010223
30	0.2603	0.26634	0.272	0.0042994	0.2614	0.26693	0.2732	0.0046717	-0.0007	0.00059	0.003	0.0010472
50	0.2601	0.26626	0.2726	0.004661	0.2603	0.26627	0.2718	0.0043069	-0.0011	1e-05	0.0008	0.00061905
100	0.2613	0.26618	0.2712	0.0039617	0.2626	0.26696	0.2738	0.0043113	-0.0005	0.00078	0.0027	0.0010042

Device Test: 5.45; DLY_TMR_500KOHM





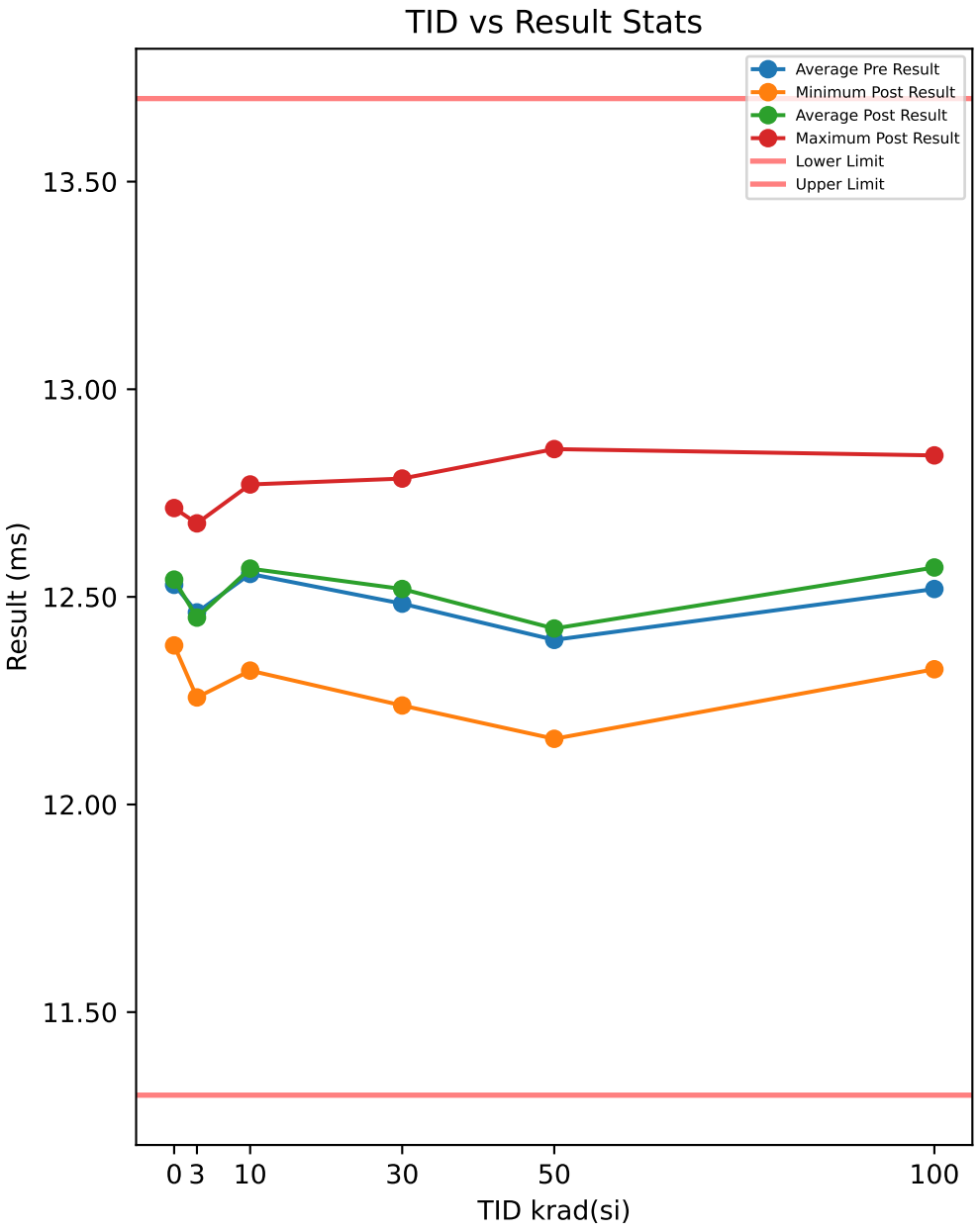
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

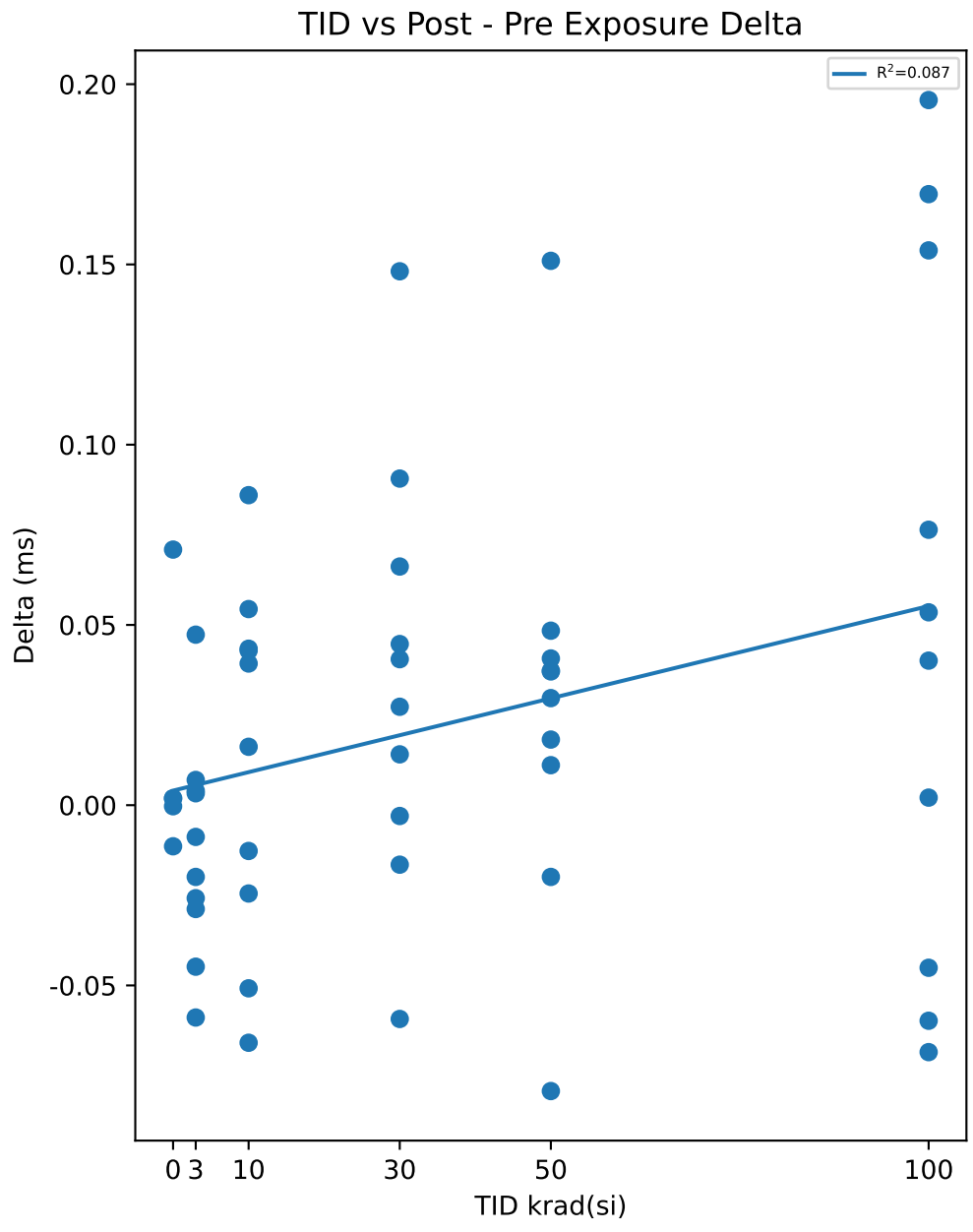
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.684	12.648	-0.0361
2	3	Biased	12.377	12.36	-0.0171
3	3	Biased	12.515	12.488	-0.028
4	3	Biased	12.724	12.721	-0.0033
5	3	Biased	12.483	12.417	-0.0657
6	3	Unbiased	12.312	12.307	-0.0043
7	3	Unbiased	12.333	12.345	0.0119
8	3	Unbiased	12.29	12.338	0.0478
9	3	Unbiased	12.473	12.511	0.0385
10	3	Unbiased	12.335	12.299	-0.0358
11	10	Biased	12.38	12.435	0.0545
12	10	Biased	12.364	12.335	-0.0287
13	10	Biased	12.321	12.283	-0.0384
14	10	Biased	12.666	12.817	0.151
15	10	Biased	12.458	12.425	-0.0324
16	10	Unbiased	12.735	12.811	0.0761
17	10	Unbiased	12.661	12.638	-0.0229
18	10	Unbiased	12.518	12.474	-0.0439
19	10	Unbiased	12.716	12.67	-0.0455
20	10	Unbiased	12.732	12.694	-0.0385
21	30	Biased	12.552	12.527	-0.0249
22	30	Biased	12.54	12.62	0.0797
23	30	Biased	12.334	12.412	0.0774
24	30	Biased	12.631	12.672	0.0409
25	30	Biased	12.696	12.749	0.0524
26	30	Unbiased	12.481	12.534	0.0532
27	30	Unbiased	12.477	12.613	0.1359
28	30	Unbiased	12.342	12.298	-0.0441
29	30	Unbiased	12.322	12.262	-0.06
30	30	Unbiased	12.676	12.69	0.014
31	50	Biased	12.321	12.358	0.0369
32	50	Biased	12.71	12.864	0.1545
33	50	Biased	12.275	12.24	-0.0355
34	50	Biased	12.281	12.19	-0.0912
35	50	Biased	12.595	12.547	-0.0484
36	50	Unbiased	12.617	12.684	0.0673
37	50	Unbiased	12.296	12.327	0.0311
38	50	Unbiased	12.63	12.711	0.0814
39	50	Unbiased	12.3	12.318	0.0183
40	50	Unbiased	12.333	12.351	0.0175
41	100	Biased	12.703	12.635	-0.0676
42	100	Biased	12.457	12.482	0.0245
43	100	Biased	12.271	12.302	0.0316
44	100	Biased	12.319	12.443	0.1242
45	100	Biased	12.4	12.369	-0.0305
46	100	Unbiased	12.593	12.706	0.1136
47	100	Unbiased	12.399	12.541	0.1426
48	100	Unbiased	12.658	12.732	0.0734
49	100	Unbiased	12.683	12.603	-0.0801
50	100	Unbiased	12.694	12.777	0.0826
51	0	Correlation	12.376	12.376	-0.0002
52	0	Correlation	12.756	12.72	-0.0365
53	0	Correlation	12.64	12.617	-0.023
54	0	Correlation	12.577	12.578	0.001
55	0	Correlation	12.331	12.393	0.0617

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	12.331	12.536	12.756	0.17922	12.376	12.537	12.72	0.14845	-0.0365	0.0006	0.0617	0.037641
3	12.29	12.453	12.724	0.15354	12.299	12.443	12.721	0.14631	-0.0657	-0.00921	0.0478	0.035068
10	12.321	12.555	12.735	0.16525	12.283	12.558	12.817	0.1926	-0.0455	0.00313	0.151	0.067344
30	12.322	12.505	12.696	0.13963	12.262	12.538	12.749	0.16578	-0.06	0.03245	0.1359	0.061365
50	12.275	12.436	12.71	0.17706	12.19	12.459	12.864	0.22744	-0.0912	0.02319	0.1545	0.070347
100	12.271	12.518	12.703	0.16677	12.302	12.559	12.777	0.15922	-0.0801	0.04143	0.1426	0.07974

Device Test: 5.46; DLY_TMR_500KOHM





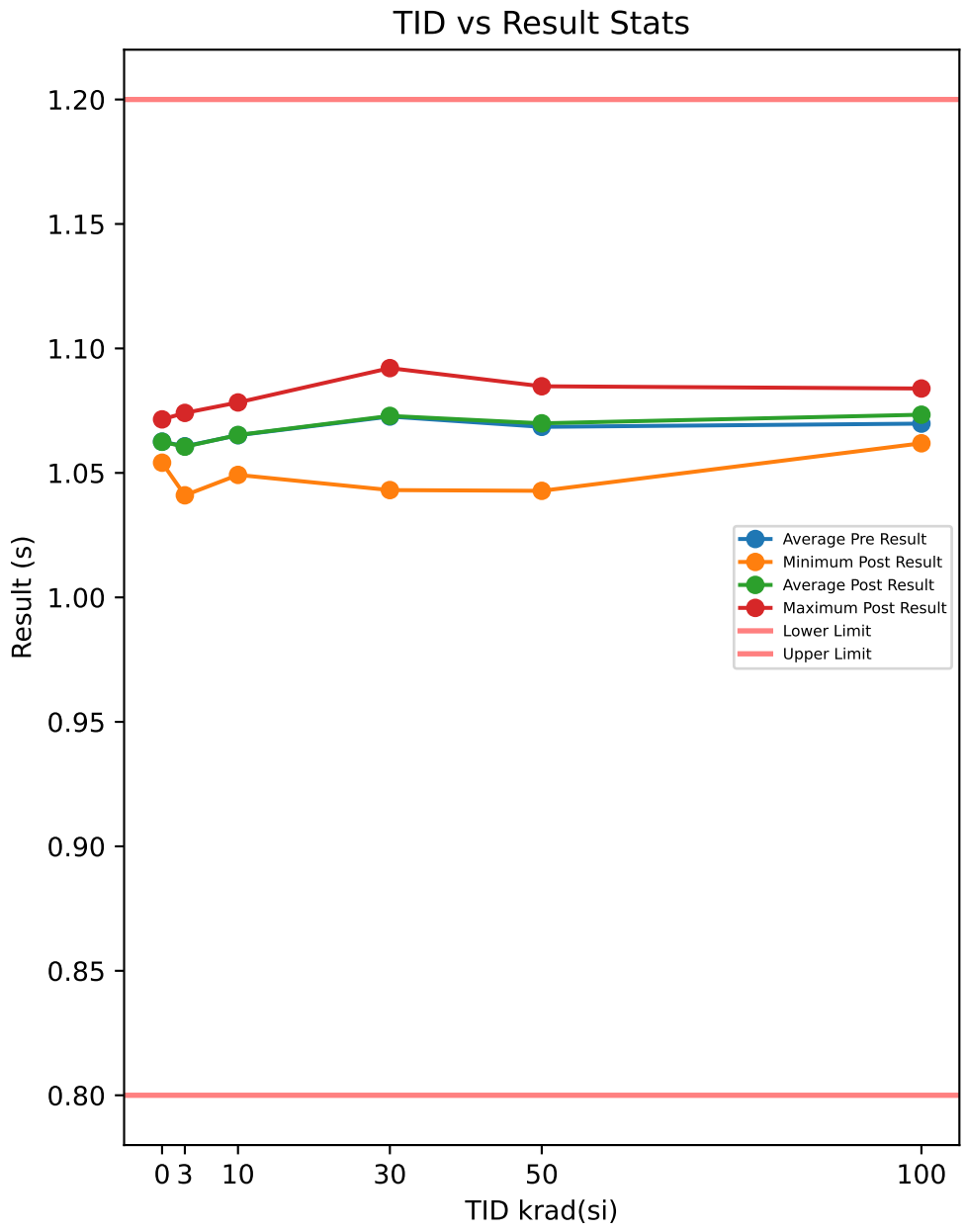
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.637	12.608	-0.0288
2	3	Biased	12.429	12.436	0.007
3	3	Biased	12.468	12.472	0.004
4	3	Biased	12.674	12.677	0.0033
5	3	Biased	12.531	12.473	-0.0589
6	3	Unbiased	12.267	12.258	-0.0088
7	3	Unbiased	12.383	12.357	-0.0258
8	3	Unbiased	12.341	12.296	-0.0448
9	3	Unbiased	12.511	12.558	0.0473
10	3	Unbiased	12.385	12.365	-0.0199
11	10	Biased	12.429	12.473	0.0434
12	10	Biased	12.412	12.387	-0.0245
13	10	Biased	12.373	12.322	-0.0508
14	10	Biased	12.715	12.77	0.0544
15	10	Biased	12.506	12.44	-0.0659
16	10	Unbiased	12.685	12.771	0.086
17	10	Unbiased	12.612	12.652	0.0393
18	10	Unbiased	12.47	12.457	-0.0127
19	10	Unbiased	12.666	12.683	0.0162
20	10	Unbiased	12.683	12.726	0.0429
21	30	Biased	12.522	12.506	-0.0165
22	30	Biased	12.507	12.573	0.0662
23	30	Biased	12.385	12.382	-0.003
24	30	Biased	12.57	12.614	0.0447
25	30	Biased	12.637	12.785	0.1481
26	30	Unbiased	12.464	12.491	0.0273
27	30	Unbiased	12.55	12.564	0.0141
28	30	Unbiased	12.298	12.238	-0.0593
29	30	Unbiased	12.275	12.316	0.0405
30	30	Unbiased	12.629	12.719	0.0906
31	50	Biased	12.276	12.324	0.0484
32	50	Biased	12.705	12.856	0.151
33	50	Biased	12.23	12.21	-0.0199
34	50	Biased	12.238	12.158	-0.0793
35	50	Biased	12.549	12.59	0.0407
36	50	Unbiased	12.568	12.605	0.0371
37	50	Unbiased	12.252	12.263	0.0111
38	50	Unbiased	12.601	12.638	0.0373
39	50	Unbiased	12.256	12.274	0.0182
40	50	Unbiased	12.29	12.32	0.0297
41	100	Biased	12.656	12.596	-0.0598
42	100	Biased	12.499	12.539	0.0401
43	100	Biased	12.324	12.326	0.0021
44	100	Biased	12.372	12.426	0.0535
45	100	Biased	12.453	12.408	-0.0451
46	100	Unbiased	12.547	12.716	0.1695
47	100	Unbiased	12.449	12.525	0.0764
48	100	Unbiased	12.611	12.765	0.1539
49	100	Unbiased	12.634	12.566	-0.0685
50	100	Unbiased	12.645	12.841	0.1956
51	0	Correlation	12.428	12.417	-0.0114
52	0	Correlation	12.712	12.714	0.0019
53	0	Correlation	12.592	12.594	0.0019
54	0	Correlation	12.529	12.6	0.0709
55	0	Correlation	12.383	12.383	-0.0003

Test Statistics (ms)

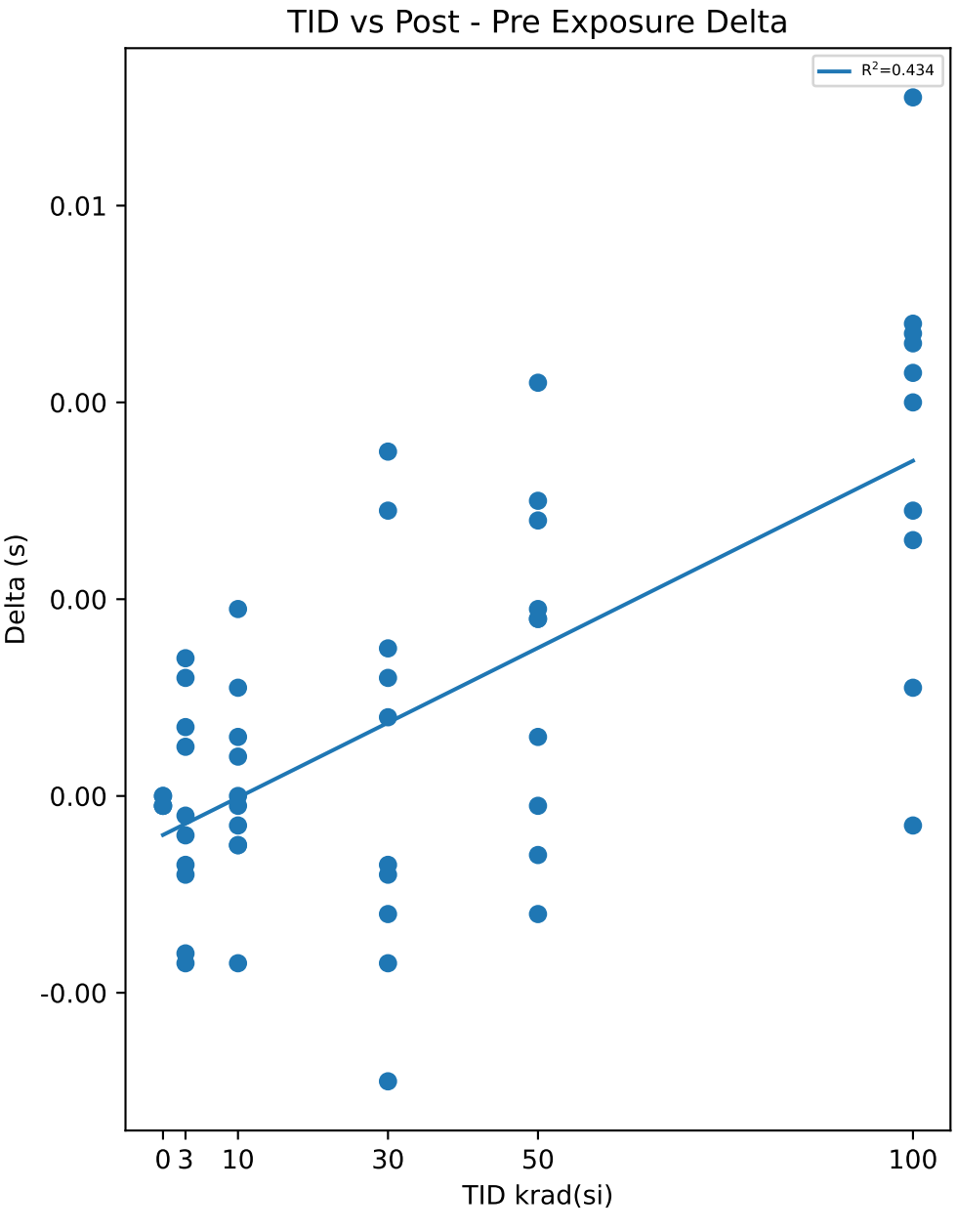
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.383	12.529	12.712	0.13123	12.383	12.542	12.714	0.13837	-0.0114	0.0126	0.0709	0.033054
3	12.267	12.463	12.674	0.12863	12.258	12.45	12.677	0.13583	-0.0589	-0.01254	0.0473	0.030158
10	12.373	12.555	12.715	0.13065	12.322	12.568	12.771	0.16915	-0.0659	0.01283	0.086	0.049357
30	12.275	12.484	12.637	0.12752	12.238	12.519	12.785	0.17142	-0.0593	0.03527	0.1481	0.058181
50	12.23	12.396	12.705	0.18528	12.158	12.424	12.856	0.23048	-0.0793	0.02743	0.151	0.057797
100	12.324	12.519	12.656	0.11862	12.326	12.571	12.841	0.16433	-0.0685	0.05177	0.1956	0.096889

Device Test: 5.47; WD_TMR_500KOHM



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

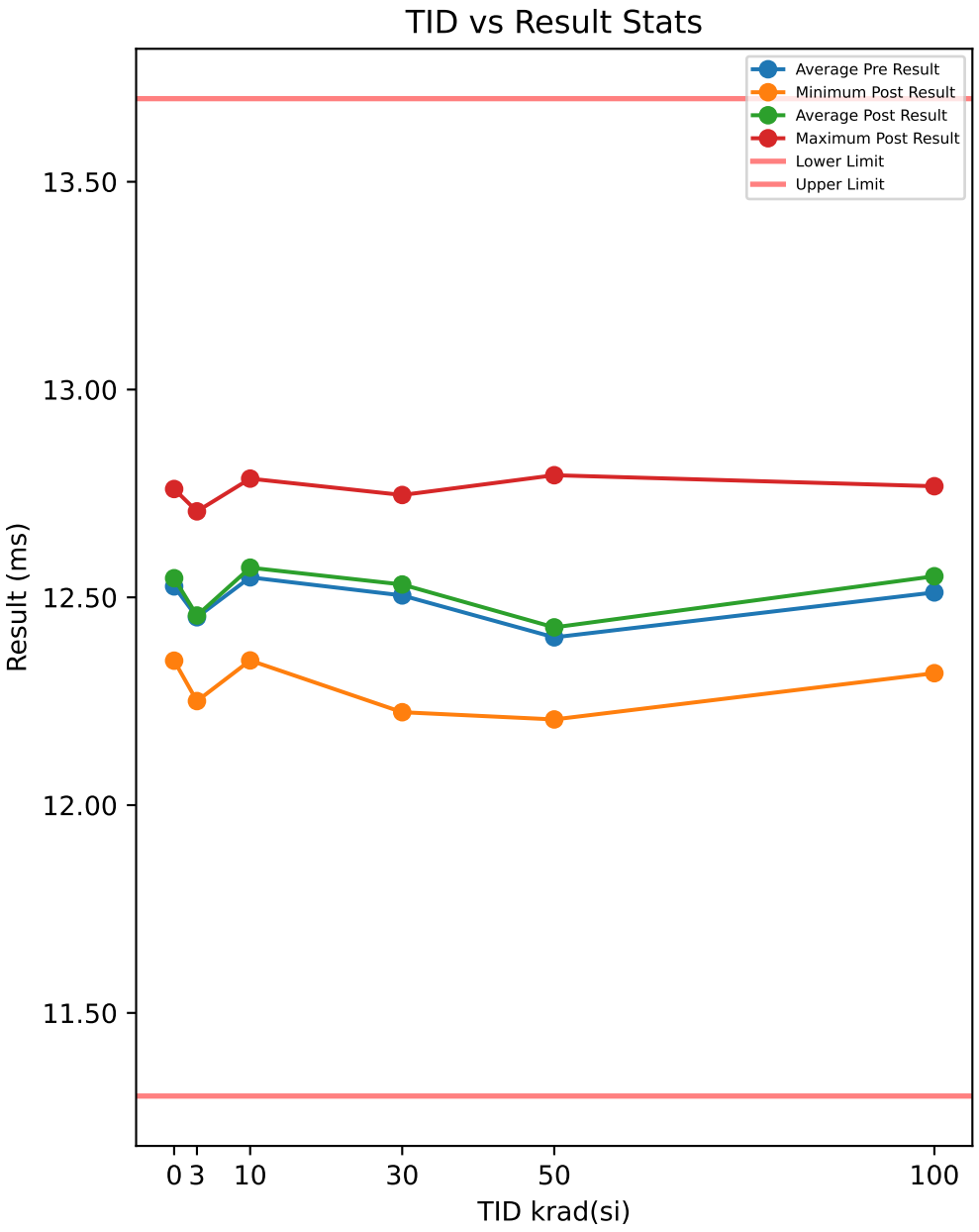
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.0734	1.0741	0.0007
2	3	Biased	1.0398	1.041	0.0012
3	3	Biased	1.0654	1.0637	-0.0017
4	3	Biased	1.0668	1.0652	-0.0016
5	3	Biased	1.0723	1.0719	-0.0004
6	3	Unbiased	1.0634	1.0632	-0.0002
7	3	Unbiased	1.0556	1.0561	0.0005
8	3	Unbiased	1.0548	1.0562	0.0014
9	3	Unbiased	1.0605	1.0597	-0.0008
10	3	Unbiased	1.055	1.0543	-0.0007
11	10	Biased	1.0636	1.0636	0
12	10	Biased	1.0673	1.0668	-0.0005
13	10	Biased	1.0697	1.0694	-0.0003
14	10	Biased	1.0784	1.0783	-0.0001
15	10	Biased	1.0516	1.0535	0.0019
16	10	Unbiased	1.0716	1.0711	-0.0005
17	10	Unbiased	1.0723	1.0734	0.0011
18	10	Unbiased	1.0623	1.0629	0.0006
19	10	Unbiased	1.0488	1.0492	0.0004
20	10	Unbiased	1.0658	1.0641	-0.0017
21	30	Biased	1.0785	1.0778	-0.0007
22	30	Biased	1.0771	1.0759	-0.0012
23	30	Biased	1.0664	1.0656	-0.0008
24	30	Biased	1.0749	1.0732	-0.0017
25	30	Biased	1.0423	1.0431	0.0008
26	30	Unbiased	1.0668	1.068	0.0012
27	30	Unbiased	1.0671	1.07	0.0029
28	30	Unbiased	1.095	1.0921	-0.0029
29	30	Unbiased	1.0711	1.0726	0.0015
30	30	Unbiased	1.0872	1.0907	0.0035
31	50	Biased	1.0434	1.0428	-0.0006
32	50	Biased	1.0703	1.0722	0.0019
33	50	Biased	1.0786	1.0785	-0.0001
34	50	Biased	1.0643	1.0631	-0.0012
35	50	Biased	1.0737	1.0755	0.0018
36	50	Unbiased	1.0646	1.0652	0.0006
37	50	Unbiased	1.0666	1.0708	0.0042
38	50	Unbiased	1.0791	1.0819	0.0028
39	50	Unbiased	1.0818	1.0848	0.003
40	50	Unbiased	1.0626	1.0644	0.0018
41	100	Biased	1.0813	1.0839	0.0026
42	100	Biased	1.0702	1.0731	0.0029
43	100	Biased	1.0632	1.0679	0.0047
44	100	Biased	1.0792	1.0789	-0.0003
45	100	Biased	1.072	1.0763	0.0043
46	100	Unbiased	1.0768	1.0779	0.0011
47	100	Unbiased	1.0694	1.0765	0.0071
48	100	Unbiased	1.0605	1.0651	0.0046
49	100	Unbiased	1.0579	1.0619	0.004
50	100	Unbiased	1.0675	1.0723	0.0048
51	0	Correlation	1.0683	1.0683	0
52	0	Correlation	1.0542	1.0541	-0.0001
53	0	Correlation	1.0584	1.0584	0
54	0	Correlation	1.0716	1.0715	-0.0001
55	0	Correlation	1.0603	1.0602	-0.0001

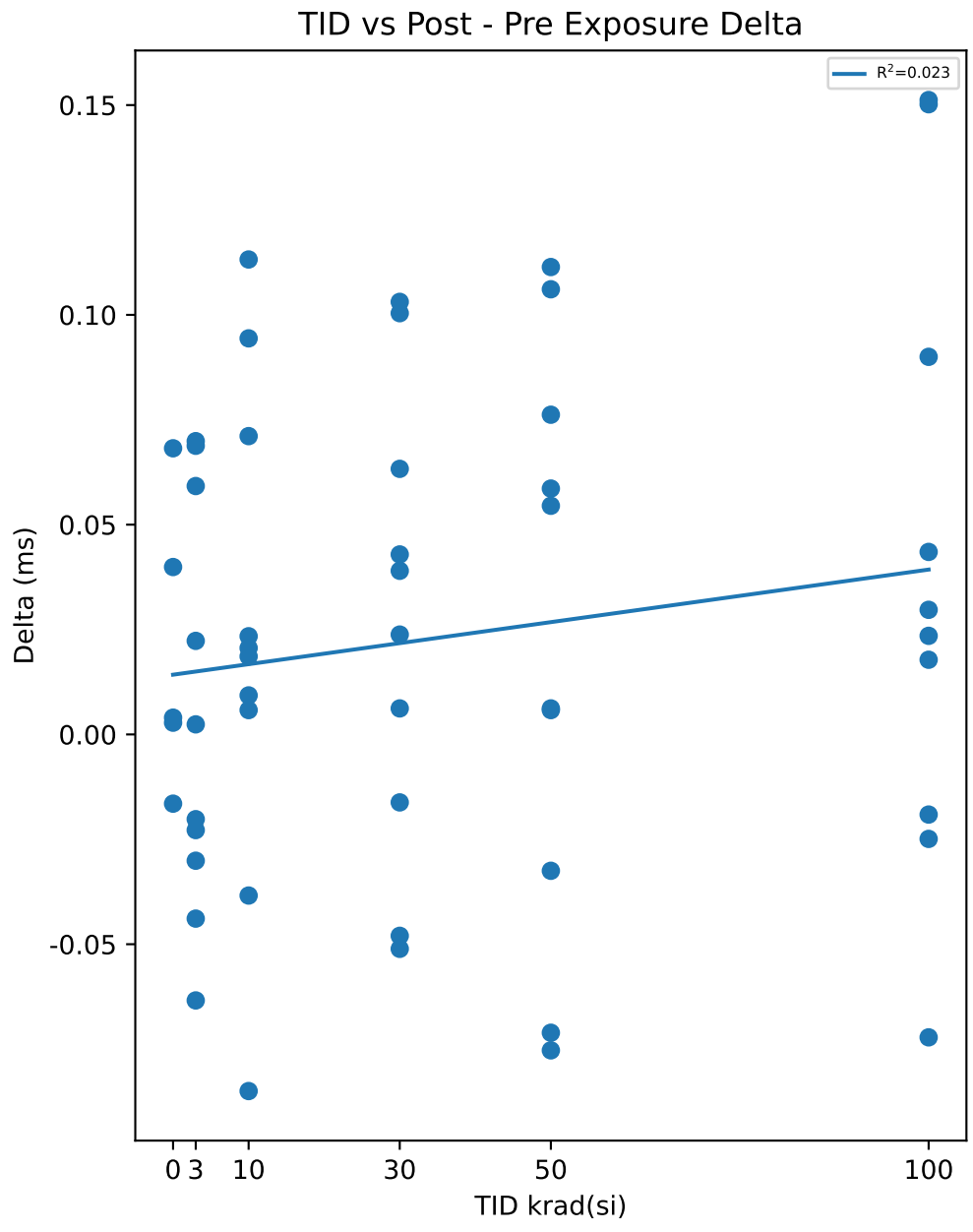


Test Statistics (s)

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	1.0542	1.0626	1.0716	0.0071933	1.0541	1.0625	1.0715	0.007199	-0.0001	-6e-05	0	5.4772e-05
3	1.0398	1.0607	1.0734	0.0099588	1.041	1.0605	1.0741	0.0094968	-0.0017	-0.00016	0.0014	0.0010885
10	1.0488	1.0651	1.0784	0.009162	1.0492	1.0652	1.0783	0.0087927	-0.0017	9e-05	0.0019	0.00098596
30	1.0423	1.0726	1.095	0.014134	1.0431	1.0729	1.0921	0.013713	-0.0029	0.00026	0.0035	0.0020598
50	1.0434	1.0685	1.0818	0.01117	1.0428	1.0699	1.0848	0.012067	-0.0012	0.00142	0.0042	0.0017184
100	1.0579	1.0698	1.0813	0.0078296	1.0619	1.0734	1.0839	0.0067615	-0.0003	0.00358	0.0071	0.0020949

Device Test: 5.48; DLY_TMR_500KOHM





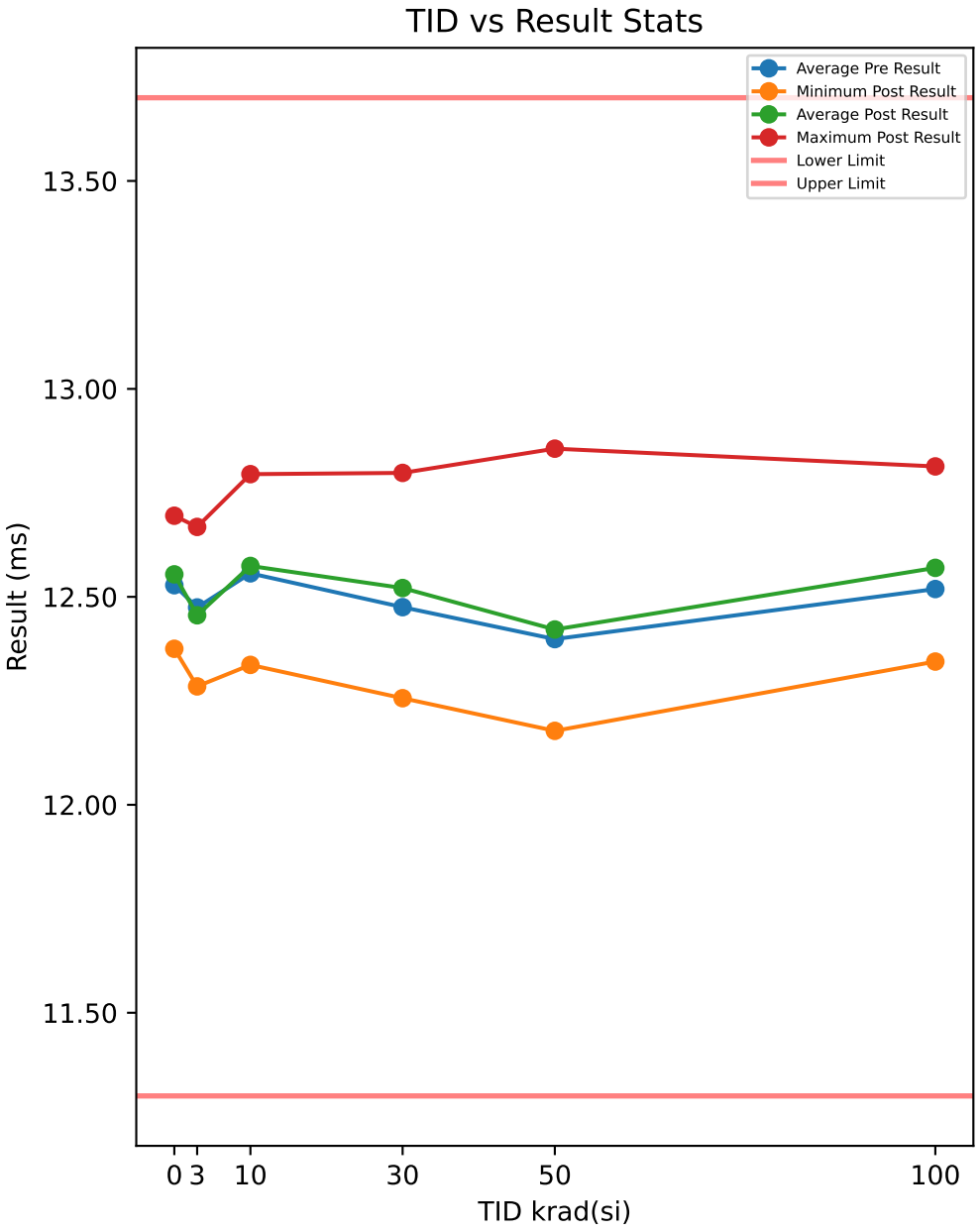
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

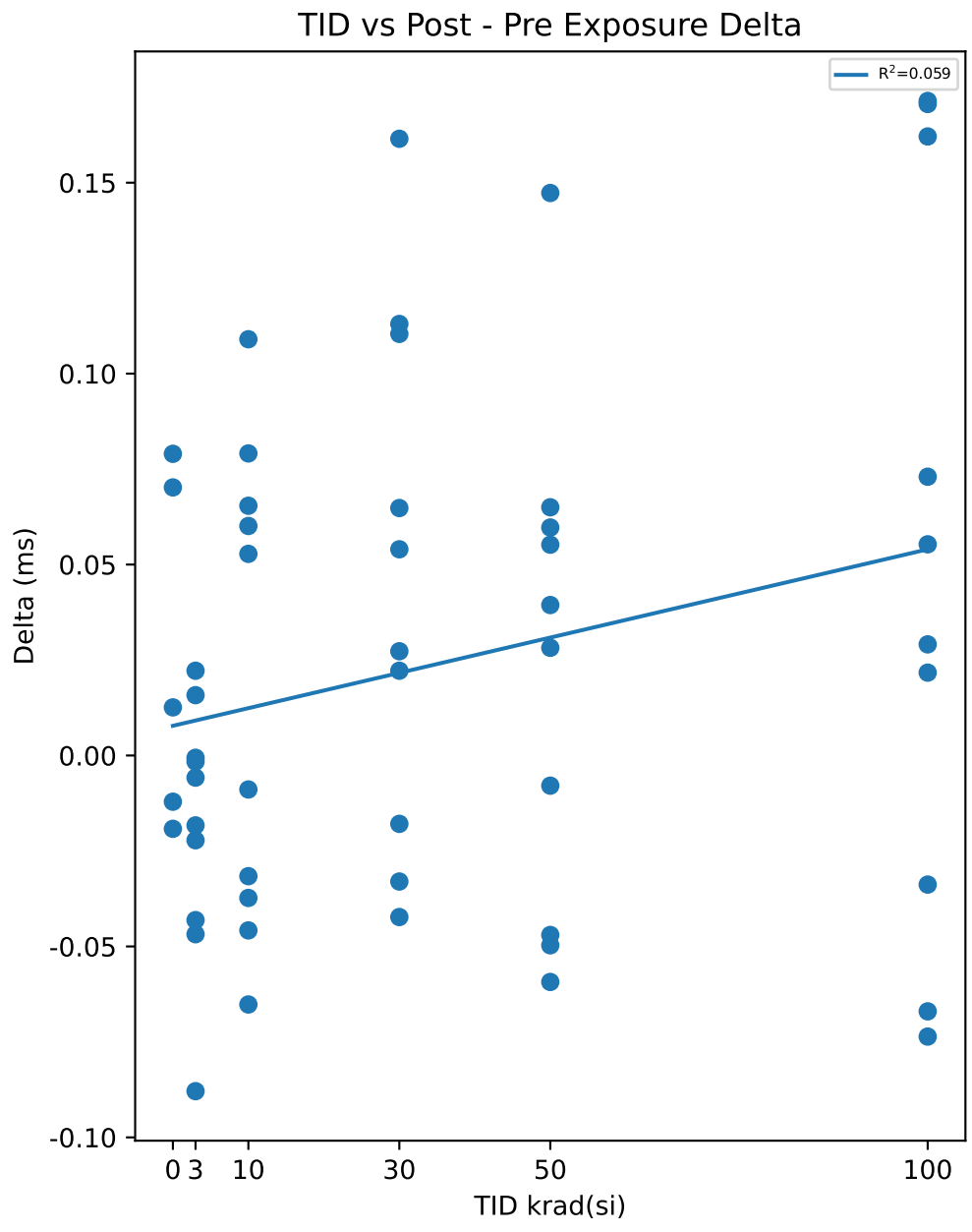
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.646	12.623	-0.0228
2	3	Biased	12.408	12.387	-0.0202
3	3	Biased	12.546	12.482	-0.0634
4	3	Biased	12.648	12.707	0.0592
5	3	Biased	12.467	12.489	0.0223
6	3	Unbiased	12.28	12.25	-0.0301
7	3	Unbiased	12.331	12.401	0.0699
8	3	Unbiased	12.333	12.336	0.0024
9	3	Unbiased	12.482	12.551	0.0688
10	3	Unbiased	12.38	12.336	-0.0439
11	10	Biased	12.381	12.495	0.1132
12	10	Biased	12.387	12.348	-0.0384
13	10	Biased	12.332	12.352	0.0206
14	10	Biased	12.691	12.786	0.0944
15	10	Biased	12.441	12.465	0.0234
16	10	Unbiased	12.704	12.775	0.0711
17	10	Unbiased	12.649	12.668	0.0186
18	10	Unbiased	12.559	12.474	-0.085
19	10	Unbiased	12.652	12.662	0.0093
20	10	Unbiased	12.684	12.69	0.0058
21	30	Biased	12.58	12.564	-0.0162
22	30	Biased	12.511	12.611	0.1004
23	30	Biased	12.32	12.363	0.0429
24	30	Biased	12.644	12.596	-0.048
25	30	Biased	12.683	12.746	0.0633
26	30	Unbiased	12.534	12.54	0.0062
27	30	Unbiased	12.535	12.638	0.1031
28	30	Unbiased	12.275	12.224	-0.0511
29	30	Unbiased	12.278	12.317	0.039
30	30	Unbiased	12.685	12.709	0.0238
31	50	Biased	12.254	12.365	0.1114
32	50	Biased	12.688	12.794	0.1061
33	50	Biased	12.245	12.213	-0.0325
34	50	Biased	12.277	12.206	-0.0711
35	50	Biased	12.596	12.521	-0.0753
36	50	Unbiased	12.574	12.65	0.0762
37	50	Unbiased	12.233	12.239	0.0058
38	50	Unbiased	12.634	12.64	0.0062
39	50	Unbiased	12.234	12.288	0.0545
40	50	Unbiased	12.303	12.361	0.0586
41	100	Biased	12.644	12.572	-0.0722
42	100	Biased	12.467	12.49	0.0235
43	100	Biased	12.288	12.318	0.0297
44	100	Biased	12.372	12.389	0.0178
45	100	Biased	12.381	12.356	-0.0249
46	100	Unbiased	12.625	12.668	0.0435
47	100	Unbiased	12.442	12.593	0.1512
48	100	Unbiased	12.611	12.761	0.1502
49	100	Unbiased	12.612	12.593	-0.0191
50	100	Unbiased	12.677	12.767	0.09
51	0	Correlation	12.428	12.432	0.004
52	0	Correlation	12.721	12.761	0.0399
53	0	Correlation	12.605	12.589	-0.0165
54	0	Correlation	12.532	12.601	0.0682
55	0	Correlation	12.345	12.348	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	12.345	12.526	12.721	0.14721	12.348	12.546	12.761	0.16063	-0.0165	0.01968	0.0682	0.033922
3	12.28	12.452	12.648	0.12956	12.25	12.456	12.707	0.14167	-0.0634	0.00422	0.0699	0.048568
10	12.332	12.548	12.704	0.14784	12.348	12.571	12.786	0.16451	-0.085	0.0233	0.1132	0.059151
30	12.275	12.505	12.685	0.15986	12.224	12.531	12.746	0.17325	-0.0511	0.02634	0.1031	0.054694
50	12.233	12.404	12.688	0.19194	12.206	12.428	12.794	0.20982	-0.0753	0.02399	0.1114	0.068294
100	12.288	12.512	12.677	0.13801	12.318	12.551	12.767	0.16018	-0.0722	0.03897	0.1512	0.073163

Device Test: 5.49; DLY_TMR_500KOHM





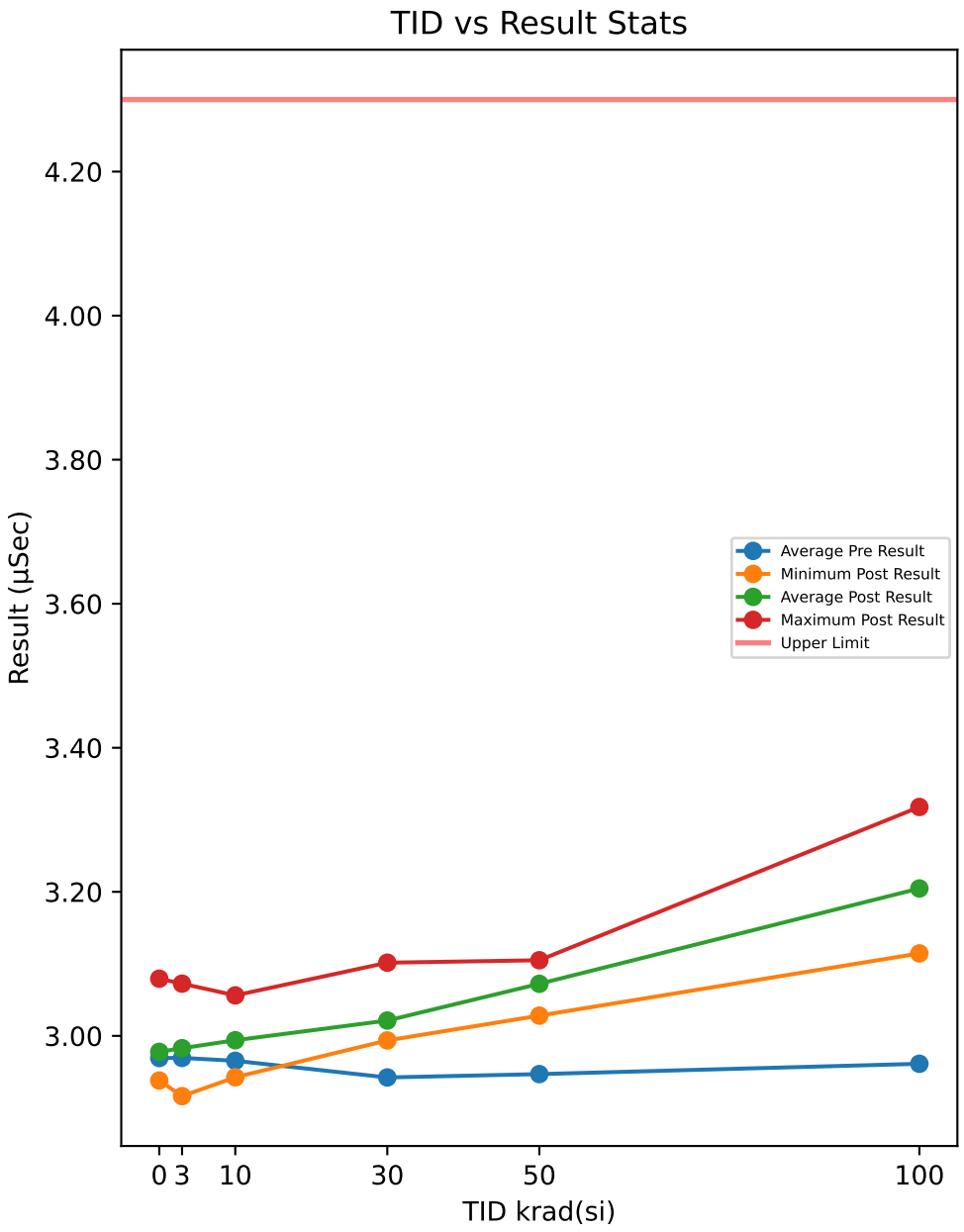
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

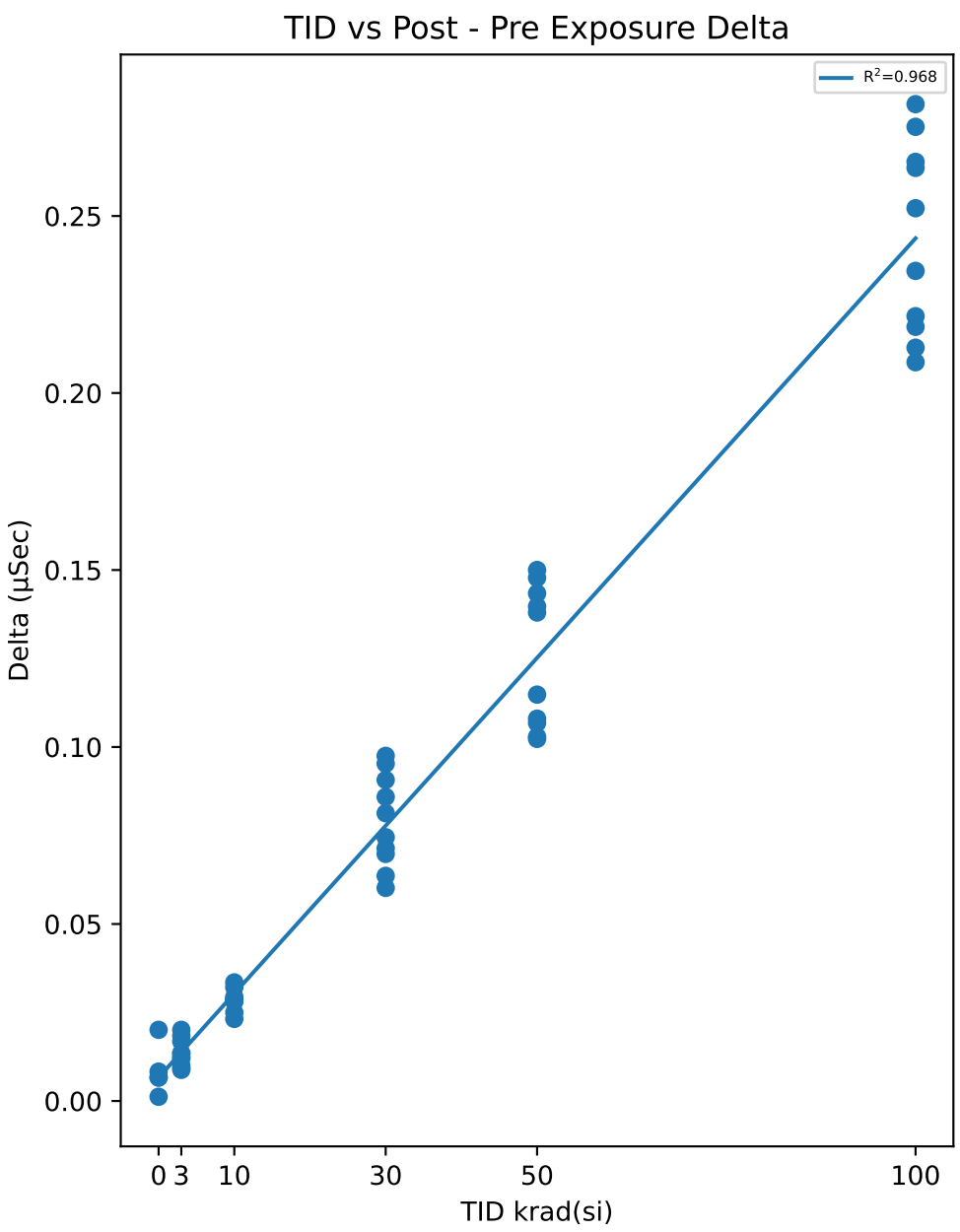
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.639	12.621	-0.0183
2	3	Biased	12.431	12.43	-0.0016
3	3	Biased	12.559	12.471	-0.0879
4	3	Biased	12.674	12.668	-0.0058
5	3	Biased	12.532	12.489	-0.0431
6	3	Unbiased	12.269	12.285	0.0158
7	3	Unbiased	12.386	12.385	-0.0006
8	3	Unbiased	12.343	12.296	-0.0468
9	3	Unbiased	12.525	12.547	0.0222
10	3	Unbiased	12.388	12.365	-0.0222
11	10	Biased	12.432	12.485	0.0528
12	10	Biased	12.42	12.388	-0.0316
13	10	Biased	12.374	12.336	-0.0373
14	10	Biased	12.716	12.795	0.0791
15	10	Biased	12.507	12.442	-0.0652
16	10	Unbiased	12.684	12.793	0.109
17	10	Unbiased	12.611	12.676	0.0654
18	10	Unbiased	12.469	12.46	-0.0089
19	10	Unbiased	12.669	12.623	-0.0458
20	10	Unbiased	12.684	12.744	0.0601
21	30	Biased	12.523	12.505	-0.0179
22	30	Biased	12.508	12.572	0.0648
23	30	Biased	12.387	12.354	-0.033
24	30	Biased	12.572	12.626	0.054
25	30	Biased	12.636	12.798	0.1615
26	30	Unbiased	12.464	12.492	0.0273
27	30	Unbiased	12.455	12.565	0.1104
28	30	Unbiased	12.299	12.256	-0.0423
29	30	Unbiased	12.279	12.301	0.0222
30	30	Unbiased	12.629	12.742	0.113
31	50	Biased	12.278	12.333	0.0552
32	50	Biased	12.709	12.856	0.1473
33	50	Biased	12.233	12.183	-0.0497
34	50	Biased	12.237	12.178	-0.0593
35	50	Biased	12.55	12.503	-0.047
36	50	Unbiased	12.569	12.634	0.065
37	50	Unbiased	12.253	12.281	0.0282
38	50	Unbiased	12.602	12.662	0.0597
39	50	Unbiased	12.26	12.252	-0.0079
40	50	Unbiased	12.293	12.332	0.0394
41	100	Biased	12.657	12.584	-0.0736
42	100	Biased	12.509	12.538	0.0291
43	100	Biased	12.323	12.344	0.0217
44	100	Biased	12.36	12.415	0.0553
45	100	Biased	12.454	12.42	-0.0338
46	100	Unbiased	12.547	12.709	0.1621
47	100	Unbiased	12.452	12.525	0.073
48	100	Unbiased	12.61	12.782	0.1714
49	100	Unbiased	12.634	12.567	-0.067
50	100	Unbiased	12.643	12.814	0.1706
51	0	Correlation	12.417	12.43	0.0126
52	0	Correlation	12.714	12.695	-0.0192
53	0	Correlation	12.591	12.661	0.0702
54	0	Correlation	12.53	12.609	0.079
55	0	Correlation	12.387	12.375	-0.0121

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	12.387	12.528	12.714	0.13303	12.375	12.554	12.695	0.1431	-0.0192	0.0261	0.079	0.045926
3	12.269	12.475	12.674	0.13193	12.285	12.456	12.668	0.12932	-0.0879	-0.01883	0.0222	0.033058
10	12.374	12.557	12.716	0.12966	12.336	12.574	12.795	0.17259	-0.0652	0.01776	0.109	0.061895
30	12.279	12.475	12.636	0.1249	12.256	12.521	12.798	0.17909	-0.0423	0.046	0.1615	0.067849
50	12.233	12.398	12.709	0.18547	12.178	12.421	12.856	0.23074	-0.0593	0.02309	0.1473	0.064814
100	12.323	12.519	12.657	0.11998	12.344	12.57	12.814	0.15781	-0.0736	0.05088	0.1714	0.094059

Device Test: 5.5; PROPD_RESET





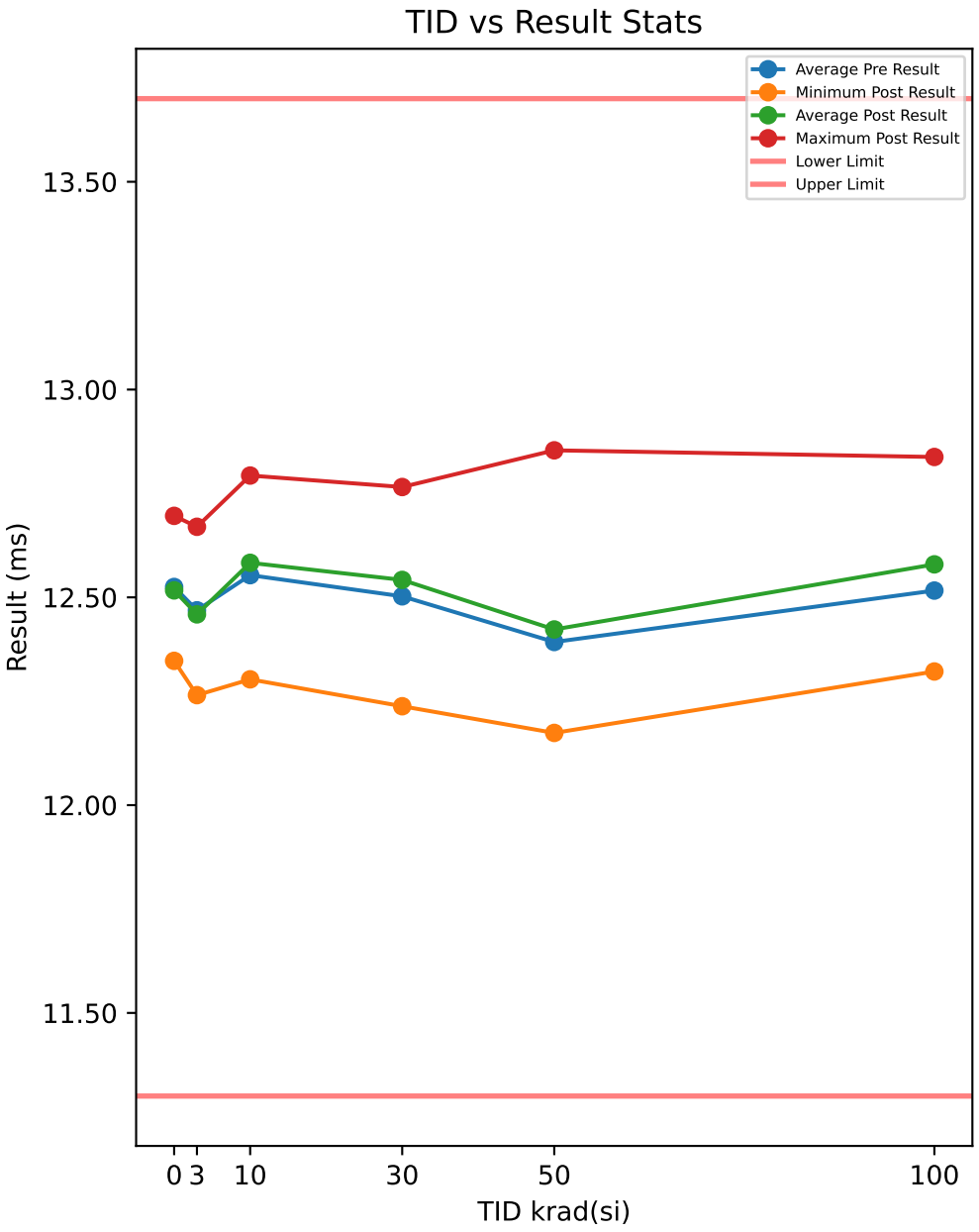
Test Results (Upper Limit = 4.3 (µSec))

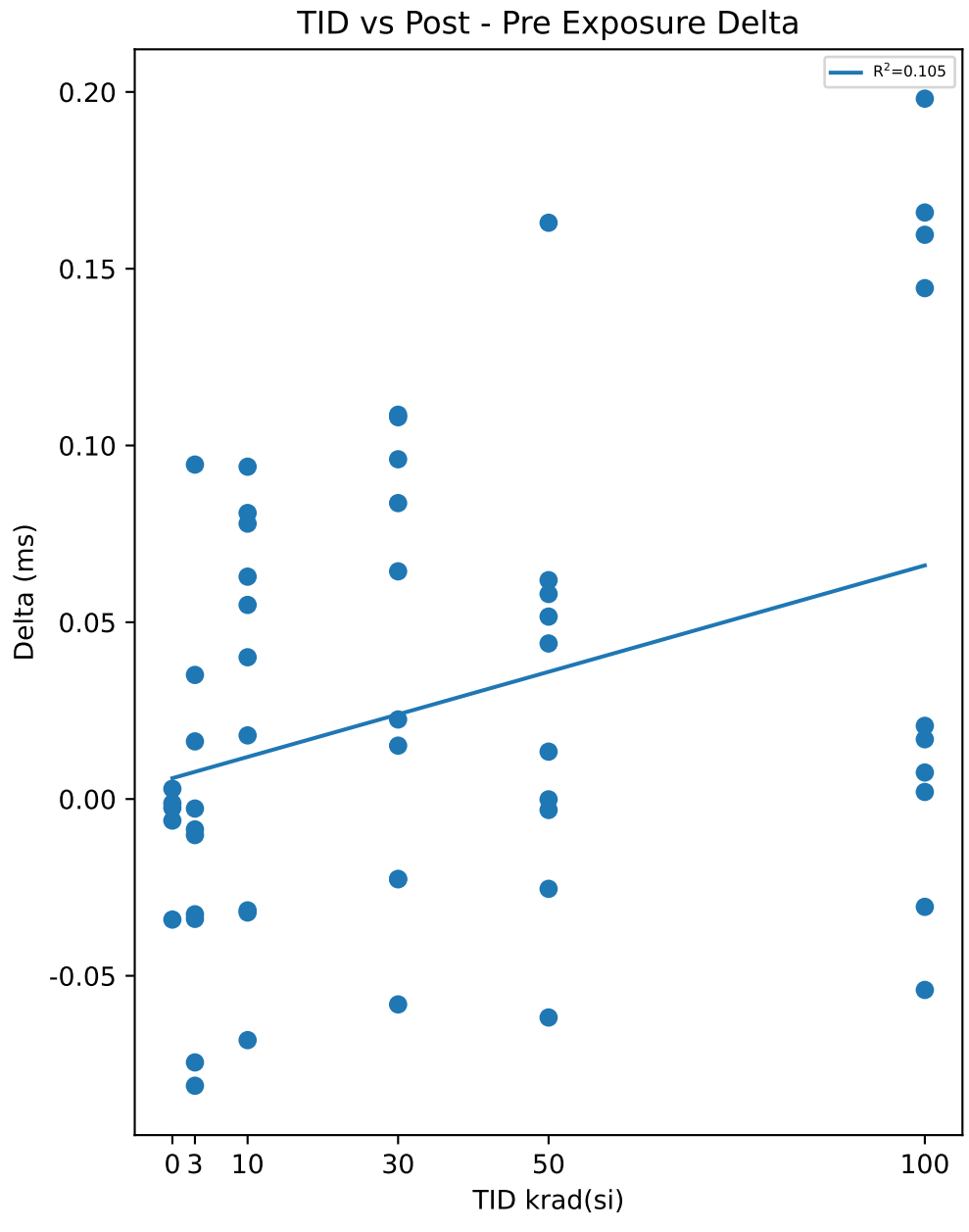
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.9602	2.9736	0.0134
2	3	Biased	3.031	3.0398	0.0088
3	3	Biased	3.0035	3.0128	0.0093
4	3	Biased	2.9327	2.9528	0.0201
5	3	Biased	2.9107	2.9229	0.0122
6	3	Unbiased	2.9041	2.9163	0.0122
7	3	Unbiased	3.0541	3.0725	0.0184
8	3	Unbiased	2.9074	2.9209	0.0135
9	3	Unbiased	2.989	3.0058	0.0168
10	3	Unbiased	3.0013	3.0113	0.01
11	10	Biased	2.9141	2.9425	0.0284
12	10	Biased	2.9541	2.9773	0.0232
13	10	Biased	2.9745	3.0026	0.0281
14	10	Biased	2.9223	2.9517	0.0294
15	10	Biased	2.9449	2.9738	0.0289
16	10	Unbiased	2.9619	2.994	0.0321
17	10	Unbiased	3.0227	3.0562	0.0335
18	10	Unbiased	3.008	3.0364	0.0284
19	10	Unbiased	2.9485	2.9735	0.025
20	10	Unbiased	3.003	3.0314	0.0284
21	30	Biased	2.9418	3.0054	0.0636
22	30	Biased	2.9239	2.9937	0.0698
23	30	Biased	3.0302	3.1016	0.0714
24	30	Biased	2.9357	2.9959	0.0602
25	30	Biased	2.9442	3.0187	0.0745
26	30	Unbiased	2.9159	3.0134	0.0975
27	30	Unbiased	2.9235	3.0094	0.0859
28	30	Unbiased	2.9372	3.0185	0.0813
29	30	Unbiased	2.9195	3.0148	0.0953
30	30	Unbiased	2.9507	3.0414	0.0907
31	50	Biased	2.9858	3.0926	0.1068
32	50	Biased	2.9898	3.0921	0.1023
33	50	Biased	2.9201	3.0281	0.108
34	50	Biased	2.9944	3.0973	0.1029
35	50	Biased	2.9902	3.105	0.1148
36	50	Unbiased	2.9053	3.045	0.1397
37	50	Unbiased	2.9141	3.0521	0.138
38	50	Unbiased	2.932	3.082	0.15
39	50	Unbiased	2.9303	3.0781	0.1478
40	50	Unbiased	2.9071	3.0505	0.1434
41	100	Biased	2.9378	3.1465	0.2087
42	100	Biased	2.9206	3.1423	0.2217
43	100	Biased	2.9379	3.1566	0.2187
44	100	Biased	3.0186	3.2531	0.2345
45	100	Biased	2.9017	3.1145	0.2128
46	100	Unbiased	3.0174	3.2926	0.2752
47	100	Unbiased	3.002	3.2542	0.2522
48	100	Unbiased	3.0362	3.3178	0.2816
49	100	Unbiased	2.9401	3.2054	0.2653
50	100	Unbiased	2.9	3.1636	0.2636
51	0	Correlation	2.9346	2.9412	0.0066
52	0	Correlation	3.0593	3.0794	0.0201
53	0	Correlation	2.9297	2.938	0.0083
54	0	Correlation	2.9781	2.9848	0.0067
55	0	Correlation	2.9445	2.9457	0.0012

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	2.9297	2.9692	3.0593	0.05377	2.938	2.9778	3.0794	0.059845	0.0012	0.00858	0.0201	0.0069769
3	2.9041	2.9694	3.0541	0.054282	2.9163	2.9829	3.0725	0.054122	0.0088	0.01347	0.0201	0.003856
10	2.9141	2.9654	3.0227	0.036408	2.9425	2.9939	3.0562	0.037547	0.0232	0.02854	0.0335	0.002971
30	2.9159	2.9423	3.0302	0.032963	2.9937	3.0213	3.1016	0.031221	0.0602	0.07902	0.0975	0.013127
50	2.9053	2.9469	2.9944	0.038139	3.0281	3.0723	3.105	0.026264	0.1023	0.12537	0.15	0.019986
100	2.9	2.9612	3.0362	0.051868	3.1145	3.2047	3.3178	0.070499	0.2087	0.24343	0.2816	0.027358

Device Test: 5.50; DLY_TMR_500KOHM





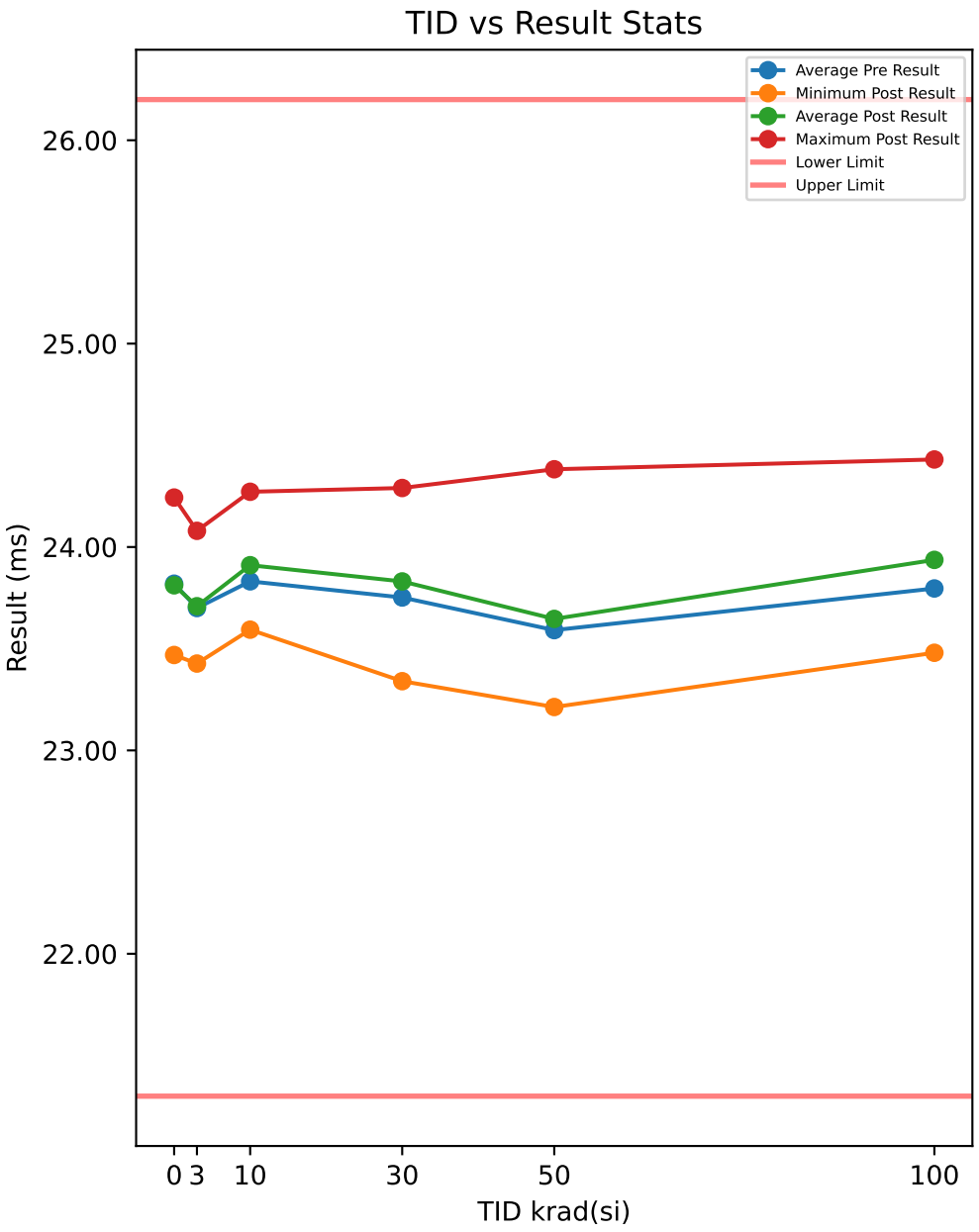
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

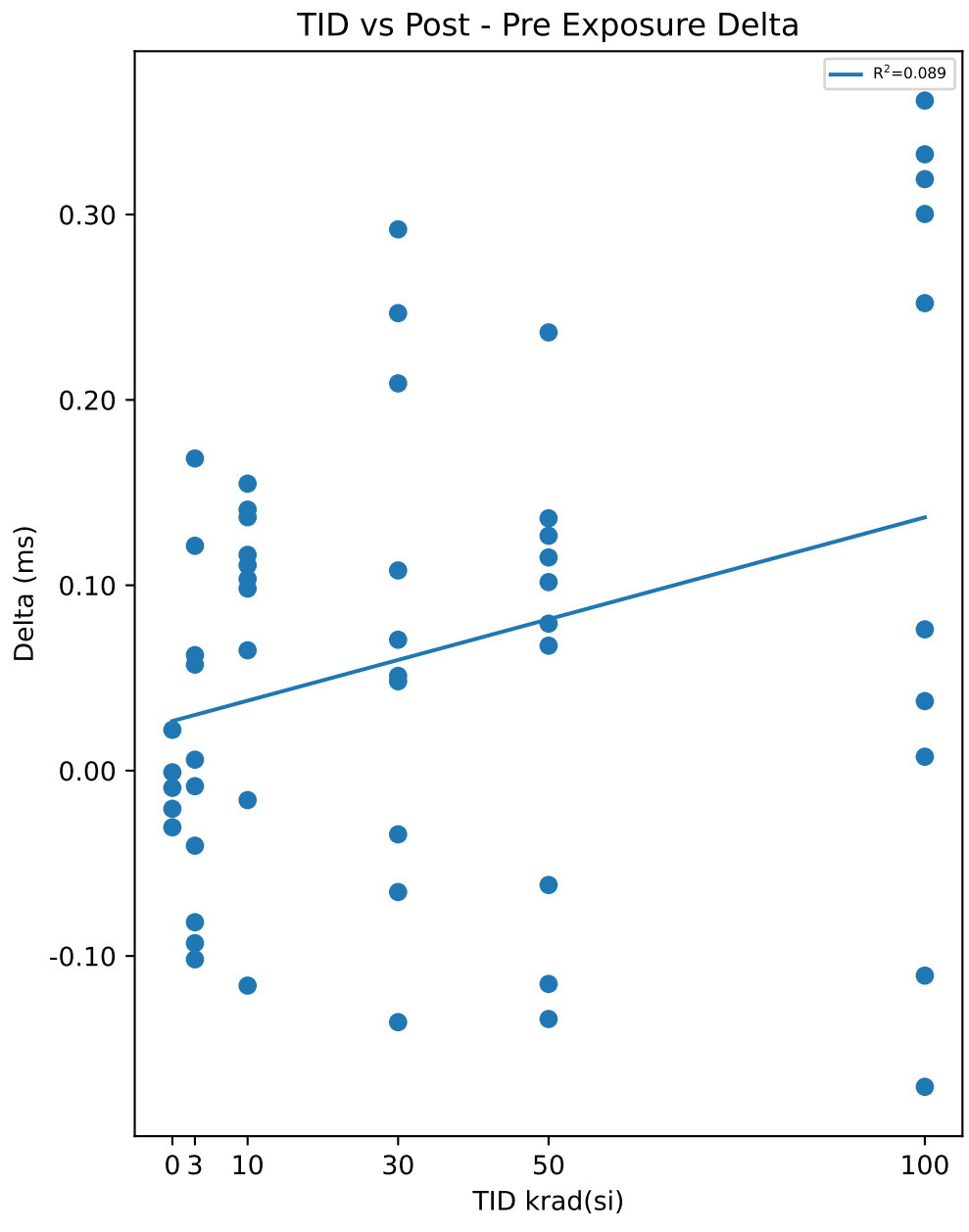
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.701	12.62	-0.0811
2	3	Biased	12.426	12.418	-0.0086
3	3	Biased	12.465	12.56	0.0946
4	3	Biased	12.672	12.67	-0.0027
5	3	Biased	12.53	12.496	-0.0339
6	3	Unbiased	12.264	12.281	0.0163
7	3	Unbiased	12.381	12.371	-0.0102
8	3	Unbiased	12.339	12.265	-0.0745
9	3	Unbiased	12.523	12.558	0.0351
10	3	Unbiased	12.386	12.353	-0.0326
11	10	Biased	12.428	12.469	0.0401
12	10	Biased	12.415	12.384	-0.0315
13	10	Biased	12.371	12.303	-0.0682
14	10	Biased	12.712	12.793	0.0809
15	10	Biased	12.505	12.473	-0.0321
16	10	Unbiased	12.681	12.775	0.094
17	10	Unbiased	12.609	12.671	0.0629
18	10	Unbiased	12.468	12.546	0.0779
19	10	Unbiased	12.665	12.682	0.018
20	10	Unbiased	12.68	12.735	0.0549
21	30	Biased	12.521	12.585	0.0644
22	30	Biased	12.578	12.555	-0.0226
23	30	Biased	12.384	12.362	-0.0227
24	30	Biased	12.569	12.678	0.1087
25	30	Biased	12.669	12.765	0.0961
26	30	Unbiased	12.56	12.575	0.0151
27	30	Unbiased	12.548	12.632	0.0837
28	30	Unbiased	12.296	12.238	-0.0581
29	30	Unbiased	12.275	12.297	0.0225
30	30	Unbiased	12.624	12.732	0.108
31	50	Biased	12.275	12.333	0.058
32	50	Biased	12.691	12.854	0.163
33	50	Biased	12.229	12.203	-0.0254
34	50	Biased	12.236	12.174	-0.0618
35	50	Biased	12.544	12.558	0.0134
36	50	Unbiased	12.565	12.627	0.0619
37	50	Unbiased	12.249	12.249	-0.0001
38	50	Unbiased	12.601	12.652	0.0516
39	50	Unbiased	12.25	12.247	-0.0031
40	50	Unbiased	12.286	12.33	0.044
41	100	Biased	12.653	12.599	-0.054
42	100	Biased	12.507	12.527	0.0207
43	100	Biased	12.32	12.322	0.002
44	100	Biased	12.37	12.387	0.0169
45	100	Biased	12.447	12.417	-0.0305
46	100	Unbiased	12.543	12.703	0.1596
47	100	Unbiased	12.446	12.591	0.1445
48	100	Unbiased	12.607	12.773	0.1659
49	100	Unbiased	12.63	12.637	0.0075
50	100	Unbiased	12.64	12.838	0.1981
51	0	Correlation	12.423	12.426	0.0029
52	0	Correlation	12.702	12.696	-0.0061
53	0	Correlation	12.591	12.589	-0.0012
54	0	Correlation	12.527	12.525	-0.0025
55	0	Correlation	12.381	12.347	-0.0341

Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.381	12.525	12.702	0.12915	12.347	12.517	12.696	0.13645	-0.0341	-0.0082	0.0029	0.014832
3	12.264	12.469	12.701	0.14031	12.265	12.459	12.67	0.1422	-0.0811	-0.00976	0.0946	0.05166
10	12.371	12.553	12.712	0.12935	12.303	12.583	12.793	0.17215	-0.0682	0.02969	0.094	0.055987
30	12.275	12.502	12.669	0.13623	12.238	12.542	12.765	0.18281	-0.0581	0.03951	0.1087	0.060913
50	12.229	12.393	12.691	0.18338	12.174	12.423	12.854	0.23245	-0.0618	0.03015	0.163	0.061397
100	12.32	12.516	12.653	0.11809	12.322	12.579	12.838	0.16864	-0.054	0.06307	0.1981	0.093072

Device Test: 5.51; DLY_TMR_1MOHM





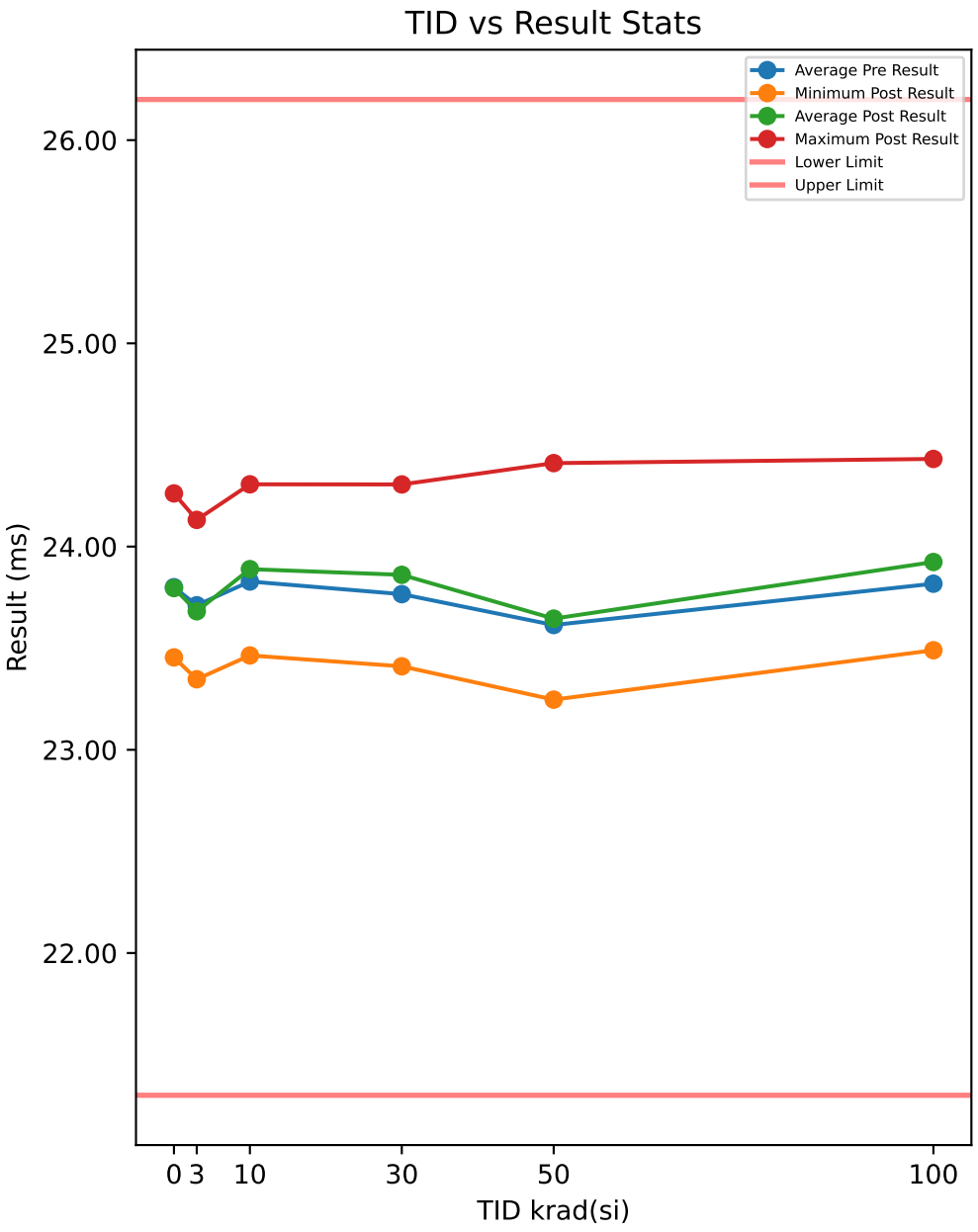
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

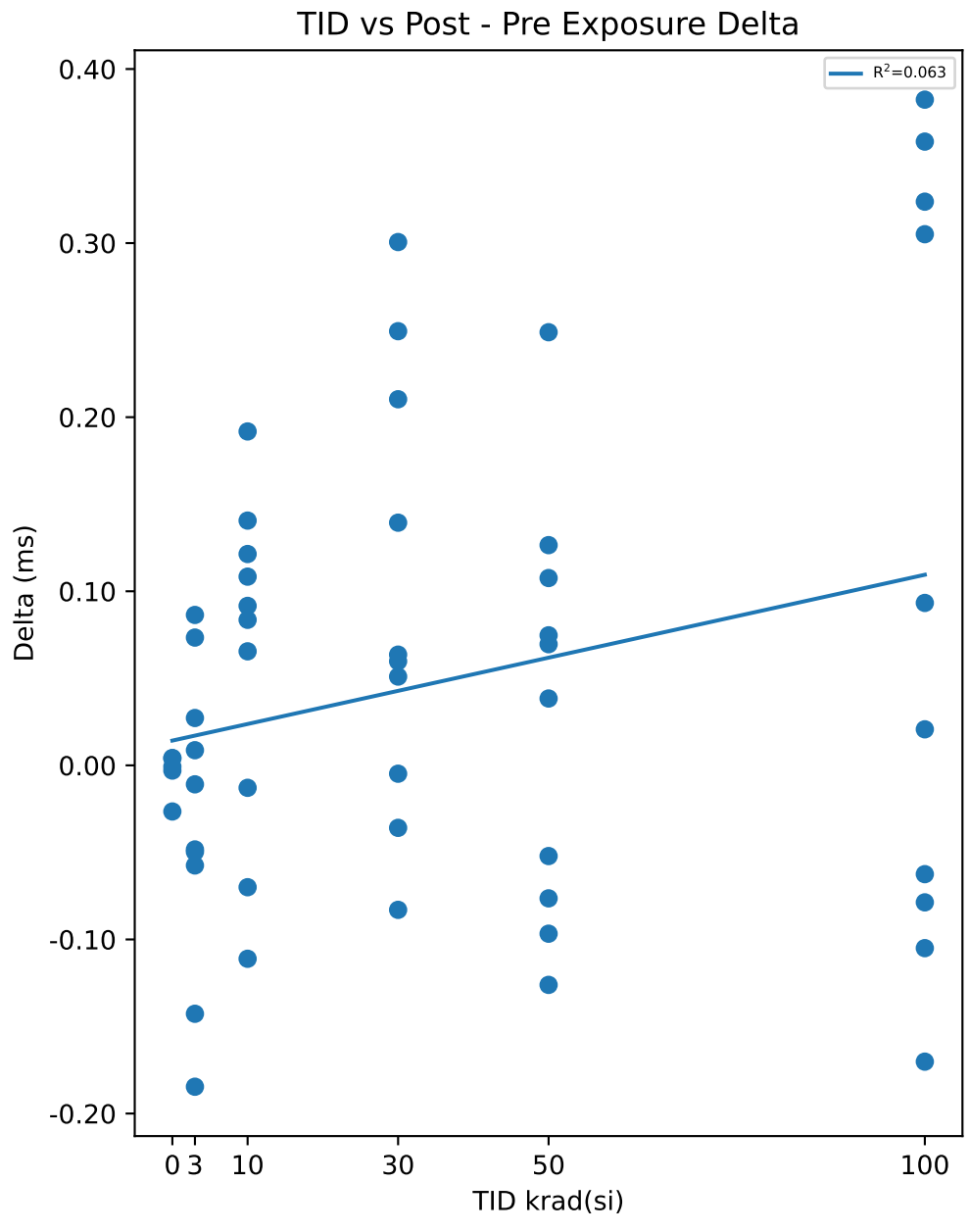
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	24.161	24.08	-0.0818
2	3	Biased	23.608	23.777	0.1684
3	3	Biased	23.642	23.648	0.0059
4	3	Biased	24.107	24.067	-0.0405
5	3	Biased	23.604	23.667	0.0623
6	3	Unbiased	23.435	23.427	-0.0084
7	3	Unbiased	23.352	23.473	0.1213
8	3	Unbiased	23.582	23.48	-0.1018
9	3	Unbiased	23.853	23.91	0.0572
10	3	Unbiased	23.654	23.561	-0.0931
11	10	Biased	23.537	23.635	0.0982
12	10	Biased	23.515	23.626	0.1108
13	10	Biased	23.49	23.594	0.1034
14	10	Biased	24.131	24.272	0.1408
15	10	Biased	23.496	23.612	0.1164
16	10	Unbiased	24.099	24.254	0.1548
17	10	Unbiased	24.006	24.071	0.0649
18	10	Unbiased	23.914	23.898	-0.0159
19	10	Unbiased	24.044	23.928	-0.116
20	10	Unbiased	24.081	24.218	0.1367
21	30	Biased	23.973	23.908	-0.0655
22	30	Biased	23.897	24.005	0.108
23	30	Biased	23.452	23.418	-0.0344
24	30	Biased	23.791	23.862	0.0706
25	30	Biased	23.965	24.257	0.292
26	30	Unbiased	23.851	23.899	0.0482
27	30	Unbiased	23.587	23.796	0.2089
28	30	Unbiased	23.476	23.34	-0.1357
29	30	Unbiased	23.482	23.533	0.0511
30	30	Unbiased	24.043	24.29	0.2468
31	50	Biased	23.488	23.625	0.1361
32	50	Biased	24.146	24.382	0.2364
33	50	Biased	23.275	23.213	-0.0617
34	50	Biased	23.358	23.224	-0.134
35	50	Biased	23.807	23.692	-0.1151
36	50	Unbiased	23.852	23.931	0.0793
37	50	Unbiased	23.391	23.492	0.1017
38	50	Unbiased	23.886	24.013	0.1267
39	50	Unbiased	23.312	23.379	0.0674
40	50	Unbiased	23.398	23.513	0.115
41	100	Biased	24.046	23.935	-0.1106
42	100	Biased	23.78	23.818	0.0375
43	100	Biased	23.473	23.48	0.0075
44	100	Biased	23.494	23.746	0.2522
45	100	Biased	23.548	23.625	0.0762
46	100	Unbiased	24.098	24.43	0.3325
47	100	Unbiased	23.612	23.974	0.3615
48	100	Unbiased	23.927	24.227	0.3003
49	100	Unbiased	24.05	23.879	-0.1706
50	100	Unbiased	23.935	24.254	0.3191
51	0	Correlation	23.478	23.469	-0.0093
52	0	Correlation	24.274	24.243	-0.0306
53	0	Correlation	23.923	23.945	0.022
54	0	Correlation	23.799	23.779	-0.0206
55	0	Correlation	23.624	23.623	-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	23.478	23.82	24.274	0.30504	23.469	23.812	24.243	0.29921	-0.0306	-0.00788	0.022	0.020134
3	23.352	23.7	24.161	0.26456	23.427	23.709	24.08	0.24149	-0.1018	0.00895	0.1684	0.092431
10	23.49	23.831	24.131	0.28327	23.594	23.911	24.272	0.2819	-0.116	0.07941	0.1548	0.083995
30	23.452	23.752	24.043	0.23039	23.34	23.831	24.29	0.32243	-0.1357	0.079	0.292	0.13859
50	23.275	23.591	24.146	0.30363	23.213	23.647	24.382	0.37092	-0.134	0.05518	0.2364	0.11992
100	23.473	23.796	24.098	0.24624	23.48	23.937	24.43	0.29631	-0.1706	0.14056	0.3615	0.19661

Device Test: 5.52; DLY_TMR_1MOHM





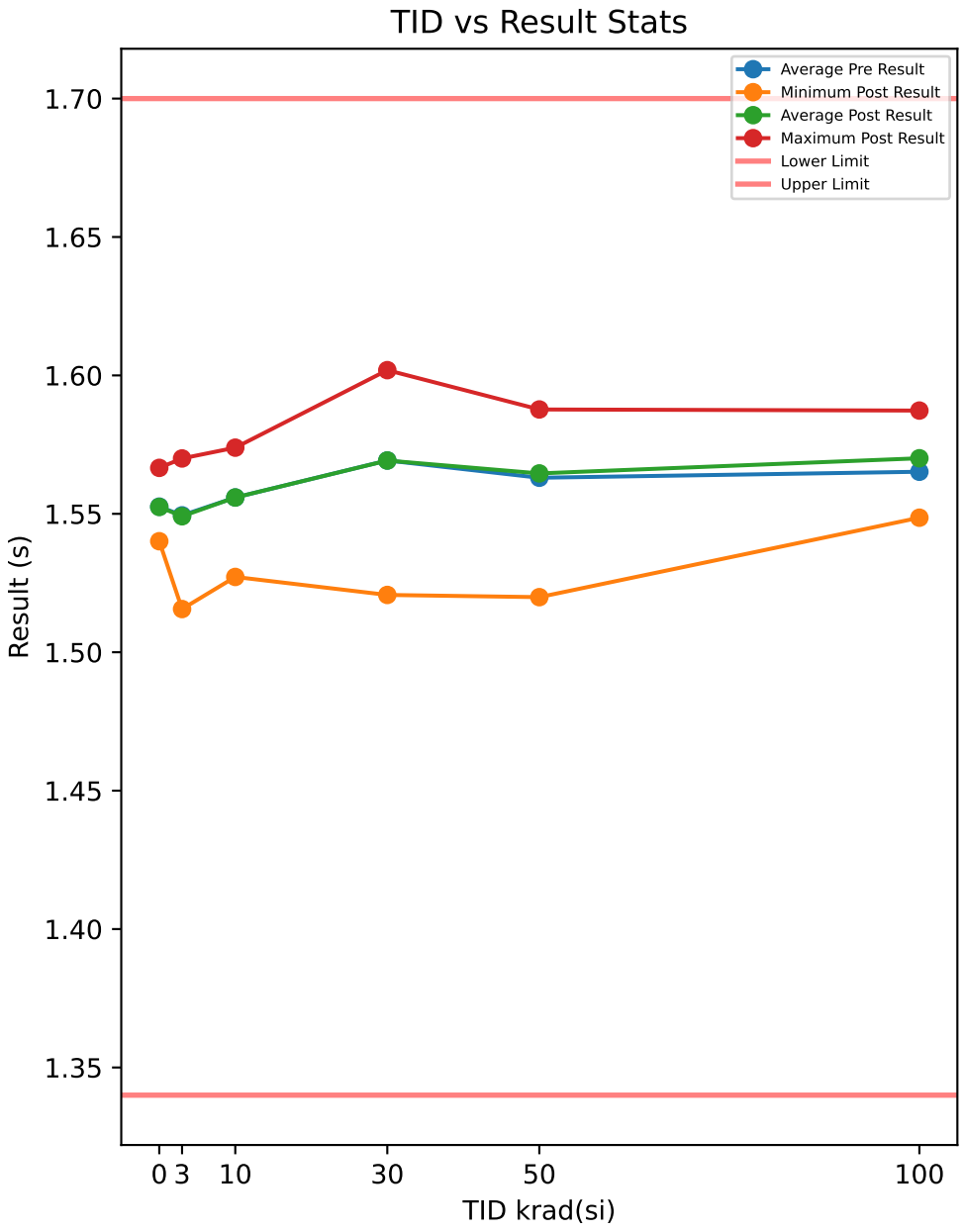
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	24.18	24.131	-0.0483
2	3	Biased	23.783	23.64	-0.1427
3	3	Biased	23.662	23.651	-0.0109
4	3	Biased	24.101	24.11	0.0087
5	3	Biased	23.624	23.567	-0.0575
6	3	Unbiased	23.453	23.481	0.0272
7	3	Unbiased	23.532	23.347	-0.1846
8	3	Unbiased	23.416	23.489	0.0734
9	3	Unbiased	23.872	23.958	0.0864
10	3	Unbiased	23.491	23.441	-0.0497
11	10	Biased	23.371	23.493	0.1214
12	10	Biased	23.534	23.464	-0.07
13	10	Biased	23.508	23.591	0.0836
14	10	Biased	24.148	24.289	0.1406
15	10	Biased	23.513	23.605	0.0916
16	10	Unbiased	24.115	24.306	0.1918
17	10	Unbiased	24	24.066	0.0655
18	10	Unbiased	23.931	23.918	-0.0129
19	10	Unbiased	24.061	23.95	-0.1111
20	10	Unbiased	24.099	24.207	0.1084
21	30	Biased	23.991	23.956	-0.0359
22	30	Biased	23.913	24.052	0.1394
23	30	Biased	23.456	23.451	-0.0048
24	30	Biased	23.817	23.877	0.0598
25	30	Biased	23.958	24.259	0.3006
26	30	Unbiased	23.868	23.919	0.051
27	30	Unbiased	23.604	23.814	0.2103
28	30	Unbiased	23.494	23.411	-0.083
29	30	Unbiased	23.502	23.566	0.0636
30	30	Unbiased	24.056	24.306	0.2494
31	50	Biased	23.507	23.614	0.1076
32	50	Biased	24.162	24.411	0.2488
33	50	Biased	23.3	23.248	-0.0521
34	50	Biased	23.373	23.247	-0.1261
35	50	Biased	23.798	23.702	-0.0967
36	50	Unbiased	23.868	23.942	0.0747
37	50	Unbiased	23.446	23.516	0.0696
38	50	Unbiased	23.904	24.031	0.1265
39	50	Unbiased	23.355	23.393	0.0384
40	50	Unbiased	23.427	23.351	-0.0764
41	100	Biased	24.059	23.954	-0.105
42	100	Biased	23.802	23.823	0.0207
43	100	Biased	23.565	23.502	-0.0625
44	100	Biased	23.511	23.604	0.0933
45	100	Biased	23.569	23.49	-0.0787
46	100	Unbiased	24.126	24.431	0.3051
47	100	Unbiased	23.628	23.986	0.3583
48	100	Unbiased	23.919	24.243	0.3238
49	100	Unbiased	24.067	23.896	-0.1702
50	100	Unbiased	23.929	24.311	0.3824
51	0	Correlation	23.503	23.507	0.0041
52	0	Correlation	24.288	24.262	-0.0265
53	0	Correlation	23.94	23.939	-0.0007
54	0	Correlation	23.813	23.817	0.0042
55	0	Correlation	23.458	23.455	-0.003

Test Statistics (ms)

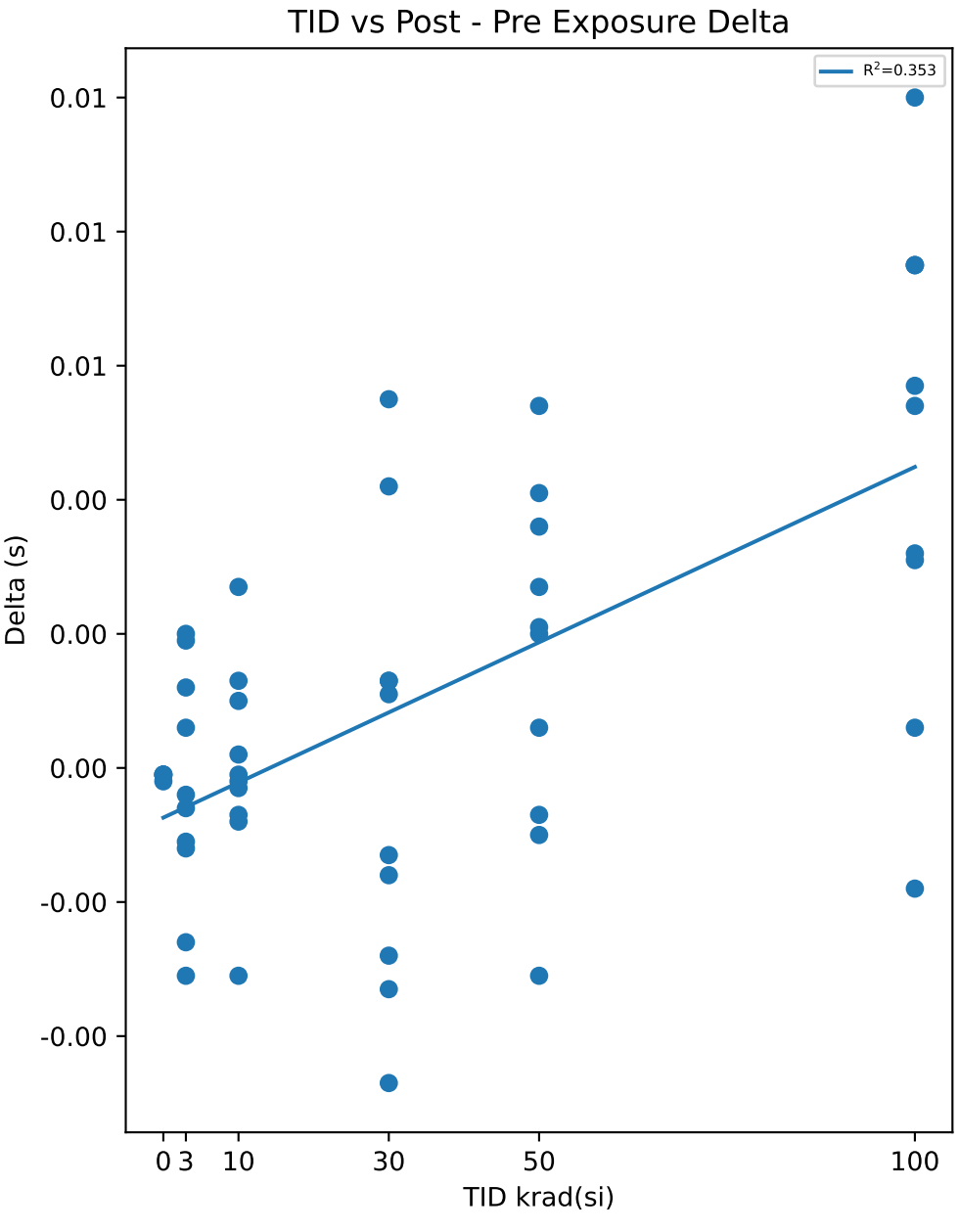
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.458	23.8	24.288	0.34044	23.455	23.796	24.262	0.33087	-0.0265	-0.00438	0.0042	0.01275
3	23.416	23.711	24.18	0.26811	23.347	23.682	24.131	0.28384	-0.1846	-0.0298	0.0864	0.086574
10	23.371	23.828	24.148	0.30726	23.464	23.889	24.306	0.32972	-0.1111	0.06089	0.1918	0.09606
30	23.456	23.766	24.056	0.22919	23.411	23.861	24.306	0.31004	-0.083	0.09504	0.3006	0.12663
50	23.3	23.614	24.162	0.29463	23.247	23.645	24.411	0.38161	-0.1261	0.03143	0.2488	0.11799
100	23.511	23.817	24.126	0.23429	23.49	23.924	24.431	0.33219	-0.1702	0.10672	0.3824	0.21548

Device Test: 5.53; WD_TMR_1MOHM



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

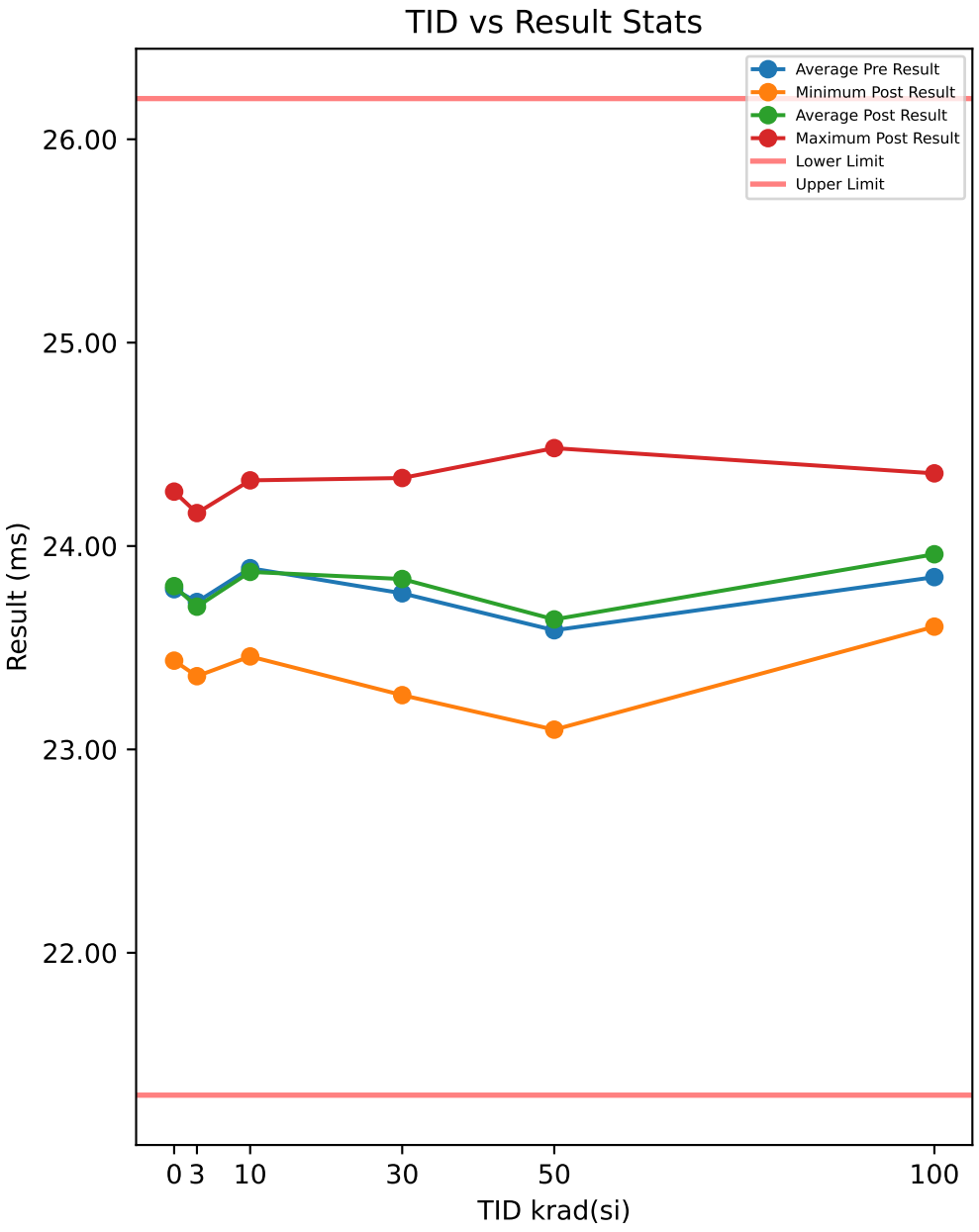
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.5688	1.57	0.0012
2	3	Biased	1.5137	1.5156	0.0019
3	3	Biased	1.5573	1.5542	-0.0031
4	3	Biased	1.5582	1.5556	-0.0026
5	3	Biased	1.5691	1.5685	-0.0006
6	3	Unbiased	1.5549	1.5545	-0.0004
7	3	Unbiased	1.5413	1.5419	0.0006
8	3	Unbiased	1.5408	1.5428	0.002
9	3	Unbiased	1.5497	1.5485	-0.0012
10	3	Unbiased	1.5407	1.5396	-0.0011
11	10	Biased	1.5521	1.552	-0.0001
12	10	Biased	1.5602	1.5595	-0.0007
13	10	Biased	1.5647	1.5644	-0.0003
14	10	Biased	1.5741	1.5739	-0.0002
15	10	Biased	1.5352	1.5379	0.0027
16	10	Unbiased	1.5676	1.5668	-0.0008
17	10	Unbiased	1.5689	1.5702	0.0013
18	10	Unbiased	1.5513	1.5523	0.001
19	10	Unbiased	1.527	1.5272	0.0002
20	10	Unbiased	1.5579	1.5548	-0.0031
21	30	Biased	1.5795	1.5782	-0.0013
22	30	Biased	1.5751	1.5723	-0.0028
23	30	Biased	1.56	1.5584	-0.0016
24	30	Biased	1.572	1.5687	-0.0033
25	30	Biased	1.5194	1.5207	0.0013
26	30	Unbiased	1.5588	1.5601	0.0013
27	30	Unbiased	1.5585	1.5627	0.0042
28	30	Unbiased	1.6066	1.6019	-0.0047
29	30	Unbiased	1.5696	1.5707	0.0011
30	30	Unbiased	1.5933	1.5988	0.0055
31	50	Biased	1.5209	1.5199	-0.001
32	50	Biased	1.5673	1.5694	0.0021
33	50	Biased	1.5797	1.579	-0.0007
34	50	Biased	1.5573	1.5542	-0.0031
35	50	Biased	1.5747	1.5774	0.0027
36	50	Unbiased	1.5547	1.5553	0.0006
37	50	Unbiased	1.5584	1.5638	0.0054
38	50	Unbiased	1.5794	1.583	0.0036
39	50	Unbiased	1.5836	1.5877	0.0041
40	50	Unbiased	1.5543	1.5563	0.002
41	100	Biased	1.5841	1.5873	0.0032
42	100	Biased	1.5641	1.5672	0.0031
43	100	Biased	1.5539	1.5596	0.0057
44	100	Biased	1.5823	1.5805	-0.0018
45	100	Biased	1.5695	1.577	0.0075
46	100	Unbiased	1.578	1.5786	0.0006
47	100	Unbiased	1.5653	1.5753	0.01
48	100	Unbiased	1.5499	1.5574	0.0075
49	100	Unbiased	1.5432	1.5486	0.0054
50	100	Unbiased	1.5617	1.5692	0.0075
51	0	Correlation	1.5615	1.5614	-0.0001
52	0	Correlation	1.5402	1.5401	-0.0001
53	0	Correlation	1.5461	1.546	-0.0001
54	0	Correlation	1.5667	1.5666	-0.0001
55	0	Correlation	1.5485	1.5483	-0.0002

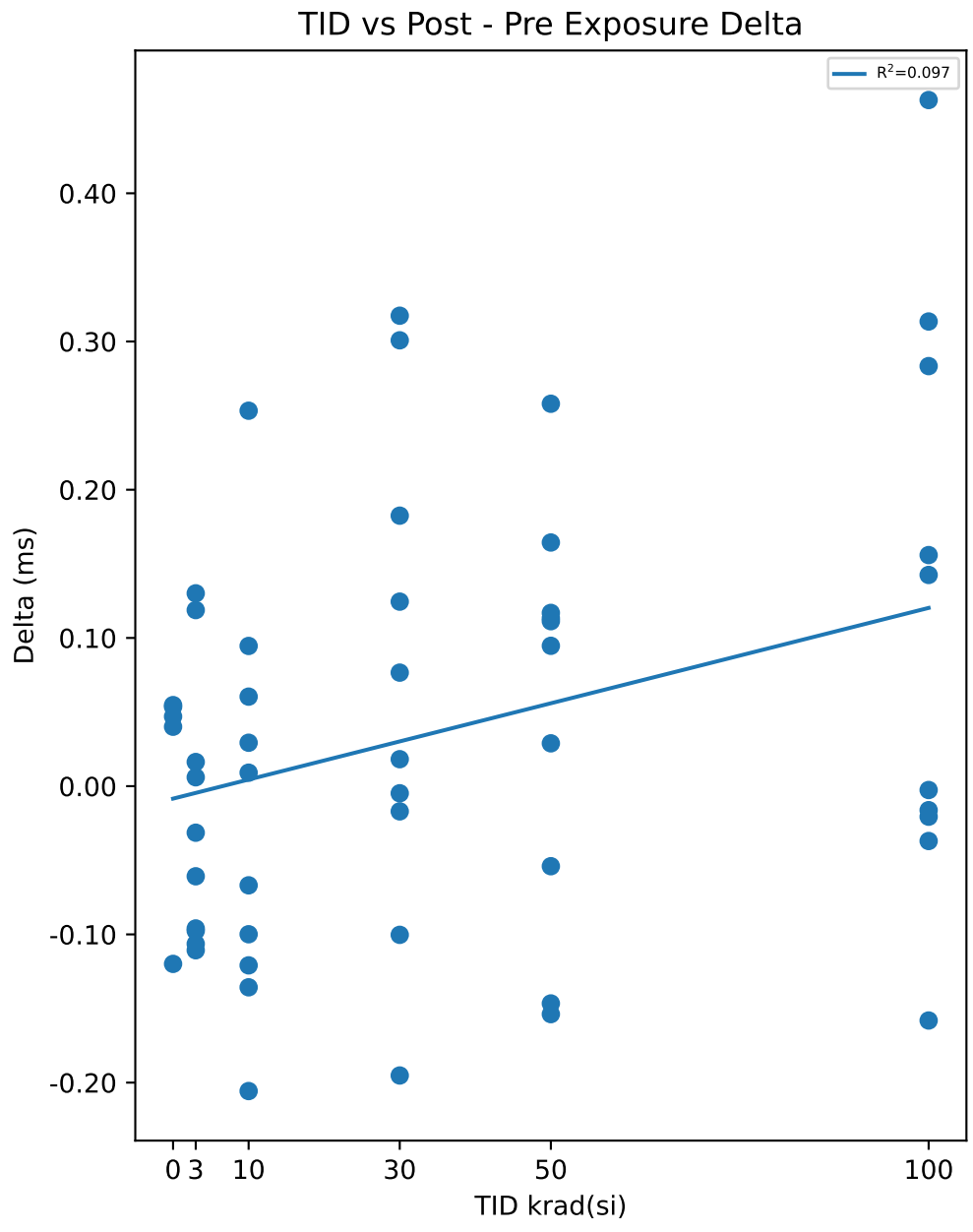


Test Statistics (s)

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	1.5402	1.5526	1.5667	0.011077	1.5401	1.5525	1.5666	0.011087	-0.0002	-0.00012	-0.0001	4.4721e-05
3	1.5137	1.5494	1.5691	0.016413	1.5156	1.5491	1.57	0.015688	-0.0031	-0.00033	0.002	0.0017595
10	1.527	1.5559	1.5741	0.015042	1.5272	1.5559	1.5739	0.014566	-0.0031	2.2204e-17	0.0027	0.0015239
30	1.5194	1.5693	1.6066	0.023371	1.5207	1.5693	1.6019	0.022687	-0.0047	-3e-05	0.0055	0.0032921
50	1.5209	1.563	1.5836	0.018554	1.5199	1.5646	1.5877	0.019801	-0.0031	0.00157	0.0054	0.0026128
100	1.5432	1.5652	1.5841	0.013708	1.5486	1.5701	1.5873	0.01199	-0.0018	0.00487	0.01	0.0036006

Device Test: 5.54; DLY_TMR_1MOHM





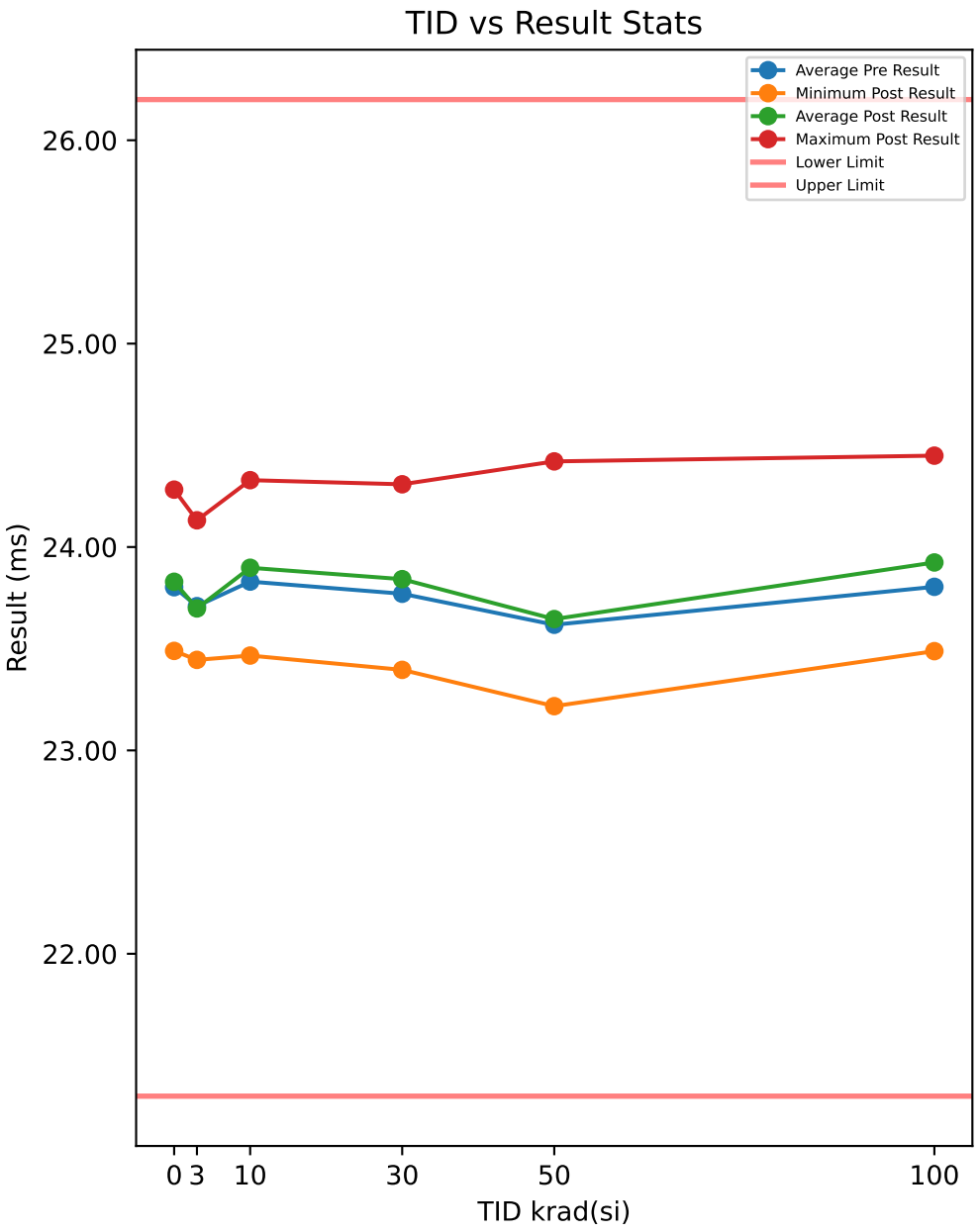
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

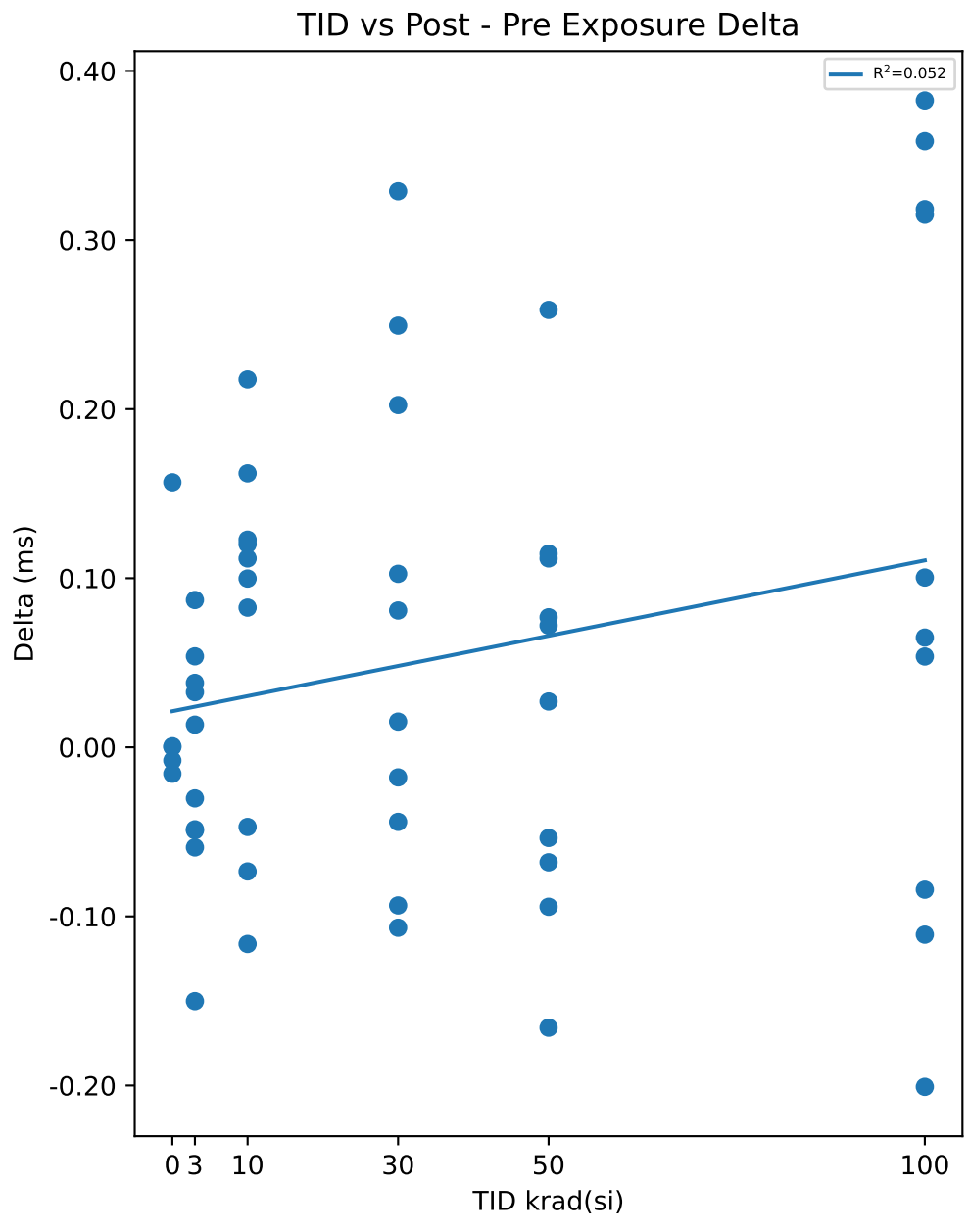
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	24.156	24.162	0.006
2	3	Biased	23.686	23.654	-0.0314
3	3	Biased	23.755	23.657	-0.0976
4	3	Biased	24.175	24.068	-0.1064
5	3	Biased	23.744	23.634	-0.1107
6	3	Unbiased	23.421	23.36	-0.0608
7	3	Unbiased	23.362	23.492	0.1301
8	3	Unbiased	23.583	23.487	-0.096
9	3	Unbiased	23.84	23.959	0.1188
10	3	Unbiased	23.526	23.542	0.0163
11	10	Biased	23.467	23.476	0.0091
12	10	Biased	23.657	23.536	-0.1209
13	10	Biased	23.56	23.46	-0.0999
14	10	Biased	24.231	24.261	0.0293
15	10	Biased	23.593	23.457	-0.1357
16	10	Unbiased	24.07	24.323	0.2533
17	10	Unbiased	24.069	24.163	0.0946
18	10	Unbiased	24.041	23.974	-0.0669
19	10	Unbiased	24.093	23.888	-0.2057
20	10	Unbiased	24.13	24.19	0.0604
21	30	Biased	23.998	24.017	0.0182
22	30	Biased	23.86	24.042	0.1825
23	30	Biased	23.387	23.287	-0.1003
24	30	Biased	23.914	23.909	-0.0048
25	30	Biased	23.98	24.297	0.3174
26	30	Unbiased	23.91	23.987	0.0766
27	30	Unbiased	23.726	23.851	0.1245
28	30	Unbiased	23.462	23.267	-0.1952
29	30	Unbiased	23.405	23.388	-0.017
30	30	Unbiased	24.034	24.334	0.3008
31	50	Biased	23.409	23.523	0.1133
32	50	Biased	24.223	24.481	0.258
33	50	Biased	23.284	23.23	-0.054
34	50	Biased	23.244	23.097	-0.1466
35	50	Biased	23.913	23.76	-0.1538
36	50	Unbiased	23.938	24.054	0.1169
37	50	Unbiased	23.305	23.4	0.0947
38	50	Unbiased	23.965	24.076	0.1113
39	50	Unbiased	23.218	23.382	0.1644
40	50	Unbiased	23.36	23.389	0.0289
41	100	Biased	24.038	24.001	-0.037
42	100	Biased	23.868	23.847	-0.0206
43	100	Biased	23.448	23.604	0.1559
44	100	Biased	23.65	23.647	-0.0026
45	100	Biased	23.666	23.649	-0.0162
46	100	Unbiased	24.198	24.341	0.1425
47	100	Unbiased	23.703	24.017	0.3135
48	100	Unbiased	23.901	24.184	0.2834
49	100	Unbiased	24.106	23.948	-0.1581
50	100	Unbiased	23.894	24.357	0.4629
51	0	Correlation	23.382	23.436	0.0547
52	0	Correlation	24.227	24.267	0.0401
53	0	Correlation	24.05	23.93	-0.1199
54	0	Correlation	23.765	23.812	0.047
55	0	Correlation	23.514	23.568	0.0535

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	23.382	23.788	24.227	0.35432	23.436	23.803	24.267	0.32469	-0.1199	0.01508	0.0547	0.075681
3	23.362	23.725	24.175	0.27645	23.36	23.702	24.162	0.26943	-0.1107	-0.02317	0.1301	0.090045
10	23.467	23.891	24.231	0.28531	23.457	23.873	24.323	0.35938	-0.2057	-0.01824	0.2533	0.13506
30	23.387	23.768	24.034	0.25621	23.267	23.838	24.334	0.39313	-0.1952	0.07027	0.3174	0.1651
50	23.218	23.586	24.223	0.37796	23.097	23.639	24.481	0.44071	-0.1538	0.05331	0.258	0.13413
100	23.448	23.847	24.198	0.23197	23.604	23.959	24.357	0.2774	-0.1581	0.11237	0.4629	0.19387

Device Test: 5.55; DLY_TMR_1MOHM





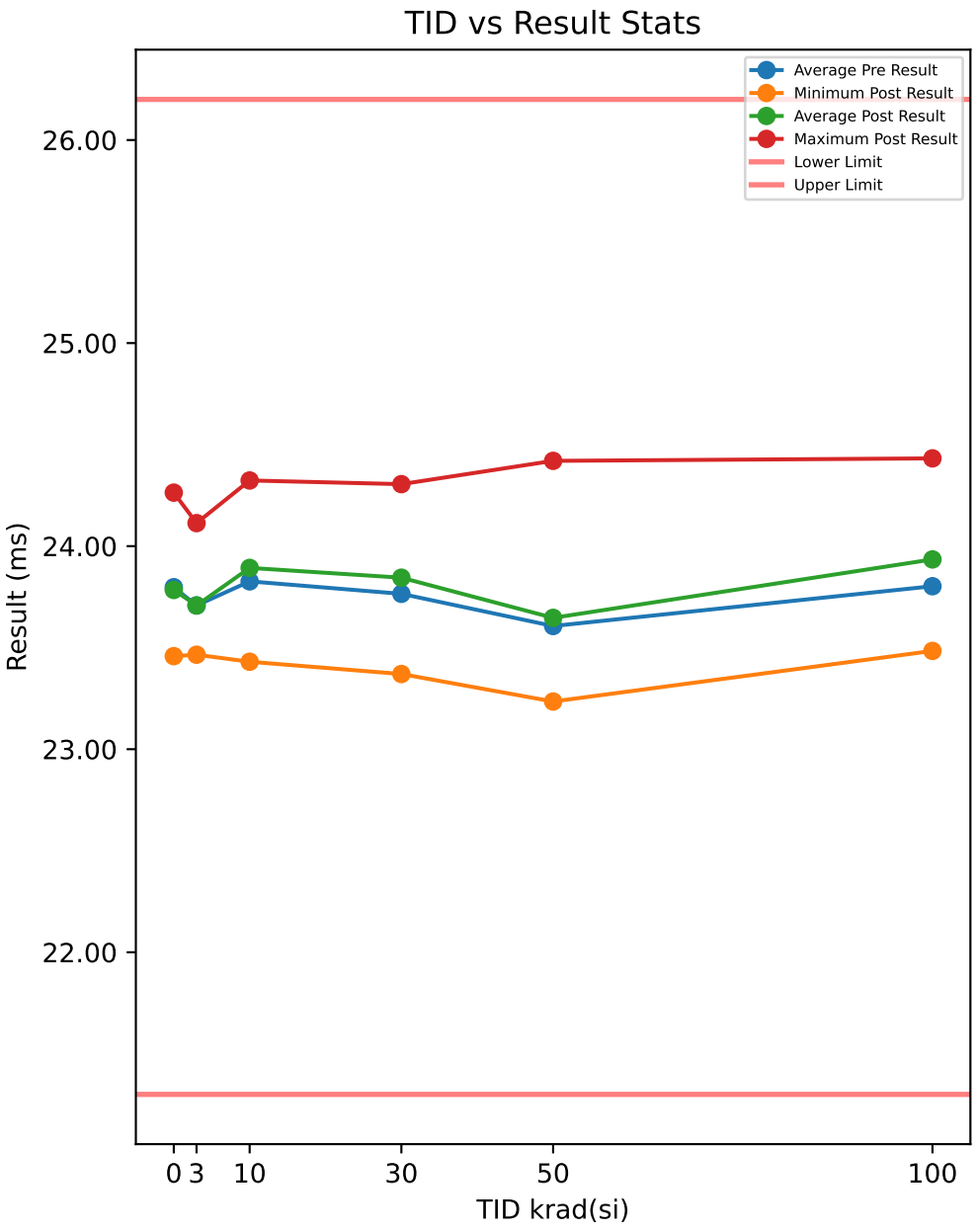
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

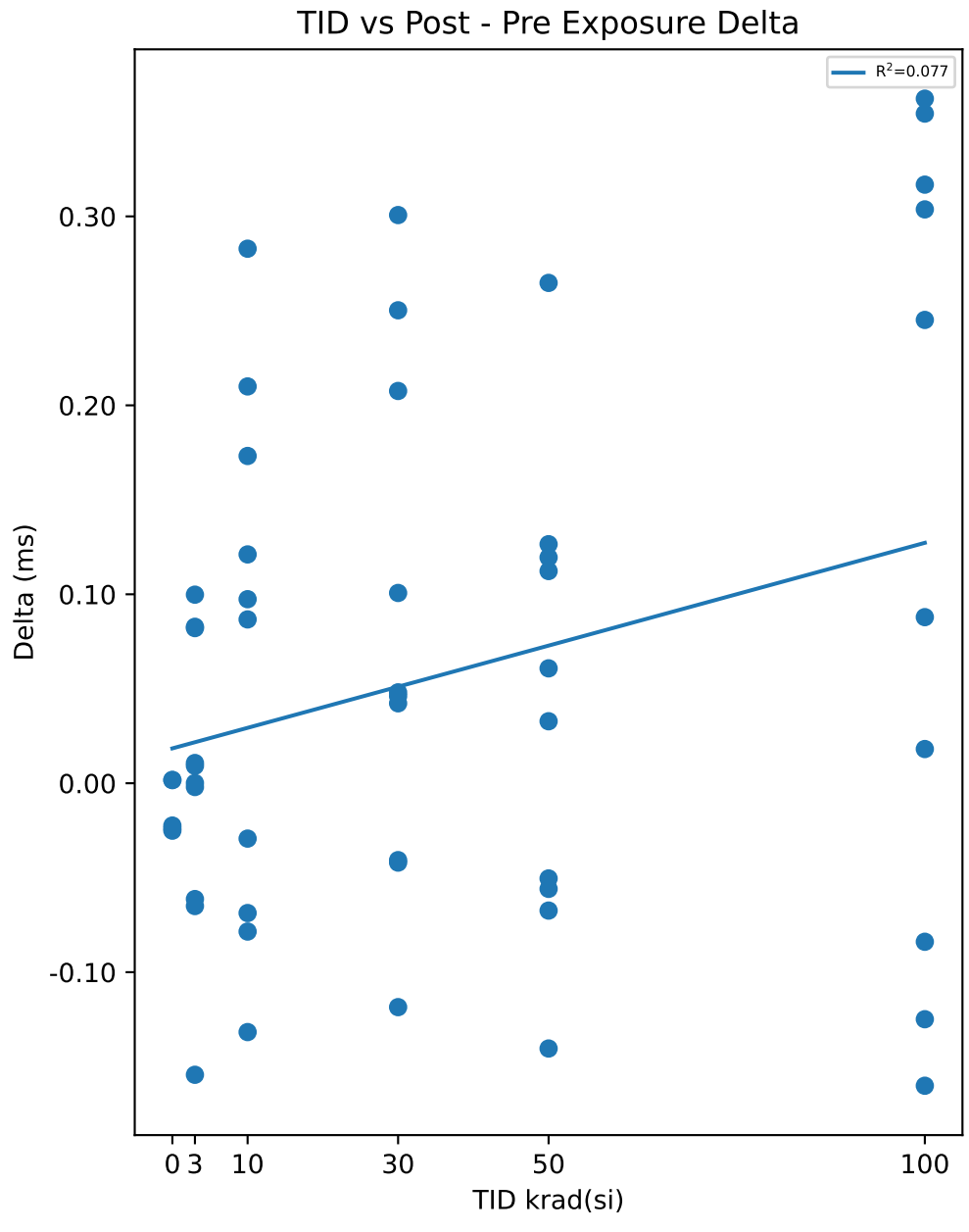
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	24.18	24.131	-0.0485
2	3	Biased	23.783	23.633	-0.1501
3	3	Biased	23.652	23.665	0.0134
4	3	Biased	24.073	24.111	0.0381
5	3	Biased	23.623	23.564	-0.0592
6	3	Unbiased	23.459	23.491	0.0326
7	3	Unbiased	23.533	23.503	-0.0302
8	3	Unbiased	23.423	23.477	0.0538
9	3	Unbiased	23.873	23.96	0.0871
10	3	Unbiased	23.494	23.445	-0.0491
11	10	Biased	23.372	23.492	0.1202
12	10	Biased	23.54	23.466	-0.0734
13	10	Biased	23.514	23.596	0.0826
14	10	Biased	24.152	24.314	0.162
15	10	Biased	23.514	23.613	0.0998
16	10	Unbiased	24.111	24.329	0.2176
17	10	Unbiased	23.999	24.122	0.1228
18	10	Unbiased	23.938	23.891	-0.0471
19	10	Unbiased	24.061	23.945	-0.1163
20	10	Unbiased	24.099	24.211	0.1117
21	30	Biased	23.997	23.953	-0.0441
22	30	Biased	23.922	24.024	0.1026
23	30	Biased	23.469	23.451	-0.0178
24	30	Biased	23.818	23.898	0.0809
25	30	Biased	23.956	24.285	0.3289
26	30	Unbiased	23.874	23.89	0.0152
27	30	Unbiased	23.607	23.809	0.2024
28	30	Unbiased	23.499	23.405	-0.0935
29	30	Unbiased	23.503	23.396	-0.1067
30	30	Unbiased	24.059	24.308	0.2494
31	50	Biased	23.515	23.627	0.1117
32	50	Biased	24.162	24.421	0.2587
33	50	Biased	23.304	23.251	-0.0536
34	50	Biased	23.383	23.218	-0.1658
35	50	Biased	23.801	23.733	-0.068
36	50	Unbiased	23.866	23.943	0.0769
37	50	Unbiased	23.443	23.515	0.072
38	50	Unbiased	23.901	24.015	0.1145
39	50	Unbiased	23.359	23.386	0.0271
40	50	Unbiased	23.443	23.349	-0.0943
41	100	Biased	24.061	23.95	-0.1108
42	100	Biased	23.808	23.861	0.0537
43	100	Biased	23.401	23.502	0.1004
44	100	Biased	23.52	23.585	0.0649
45	100	Biased	23.572	23.488	-0.0842
46	100	Unbiased	24.131	24.449	0.3183
47	100	Unbiased	23.631	24.014	0.3825
48	100	Unbiased	23.903	24.218	0.315
49	100	Unbiased	24.066	23.866	-0.2008
50	100	Unbiased	23.949	24.308	0.3585
51	0	Correlation	23.505	23.489	-0.0156
52	0	Correlation	24.29	24.282	-0.0078
53	0	Correlation	23.942	23.942	0.0006
54	0	Correlation	23.816	23.816	0.0002
55	0	Correlation	23.459	23.616	0.1567

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	23.459	23.802	24.29	0.34045	23.489	23.829	24.282	0.3079	-0.0156	0.02682	0.1567	0.072909
3	23.423	23.709	24.18	0.26225	23.445	23.698	24.131	0.26755	-0.1501	-0.01121	0.0871	0.069624
10	23.372	23.83	24.152	0.3061	23.466	23.898	24.329	0.33866	-0.1163	0.06799	0.2176	0.10918
30	23.469	23.77	24.059	0.22799	23.396	23.842	24.308	0.33462	-0.1067	0.07173	0.3289	0.14891
50	23.304	23.618	24.162	0.29125	23.218	23.646	24.421	0.38668	-0.1658	0.02792	0.2587	0.12491
100	23.401	23.804	24.131	0.25799	23.488	23.924	24.449	0.33491	-0.2008	0.11975	0.3825	0.21313

Device Test: 5.56; DLY_TMR_1MOHM





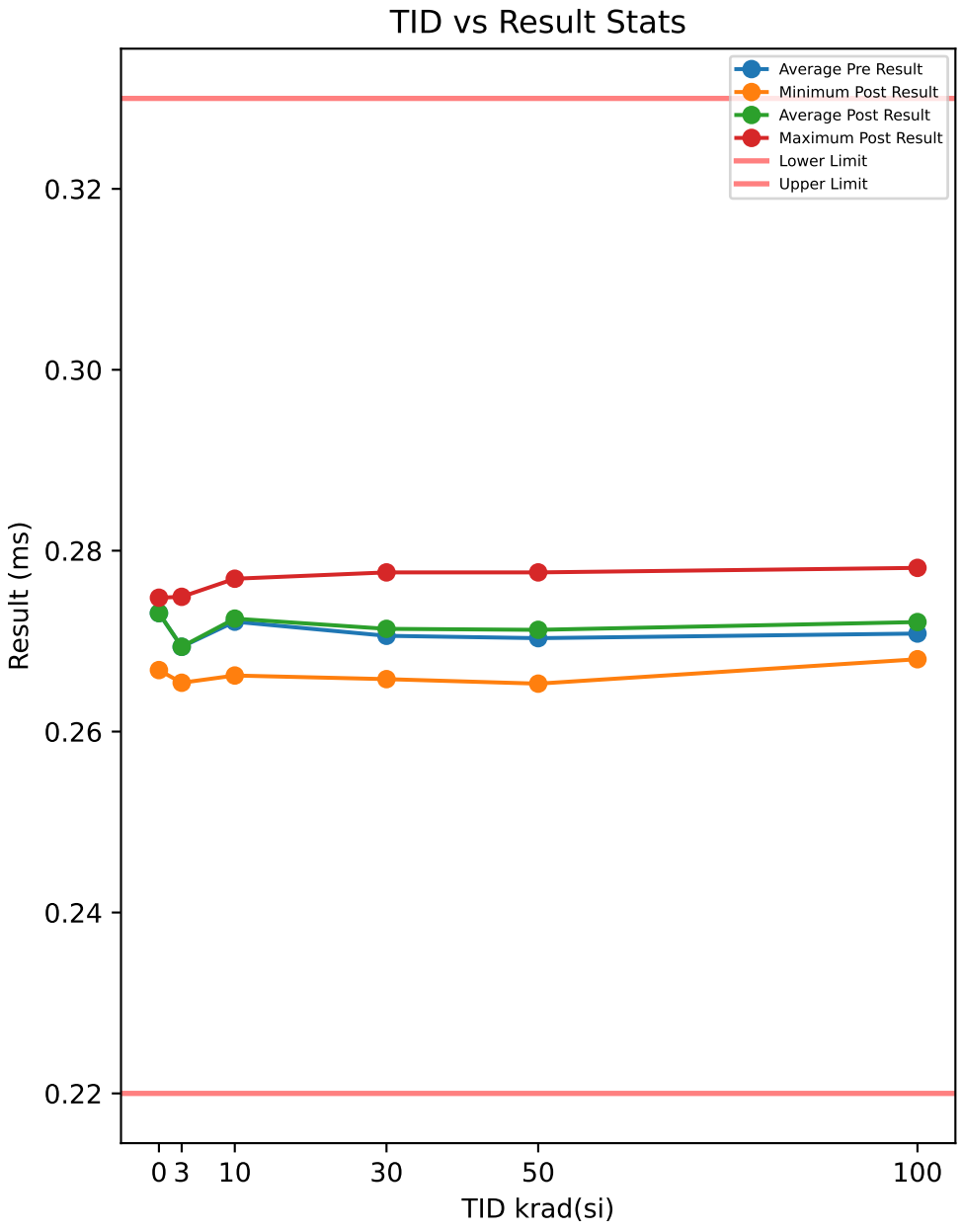
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

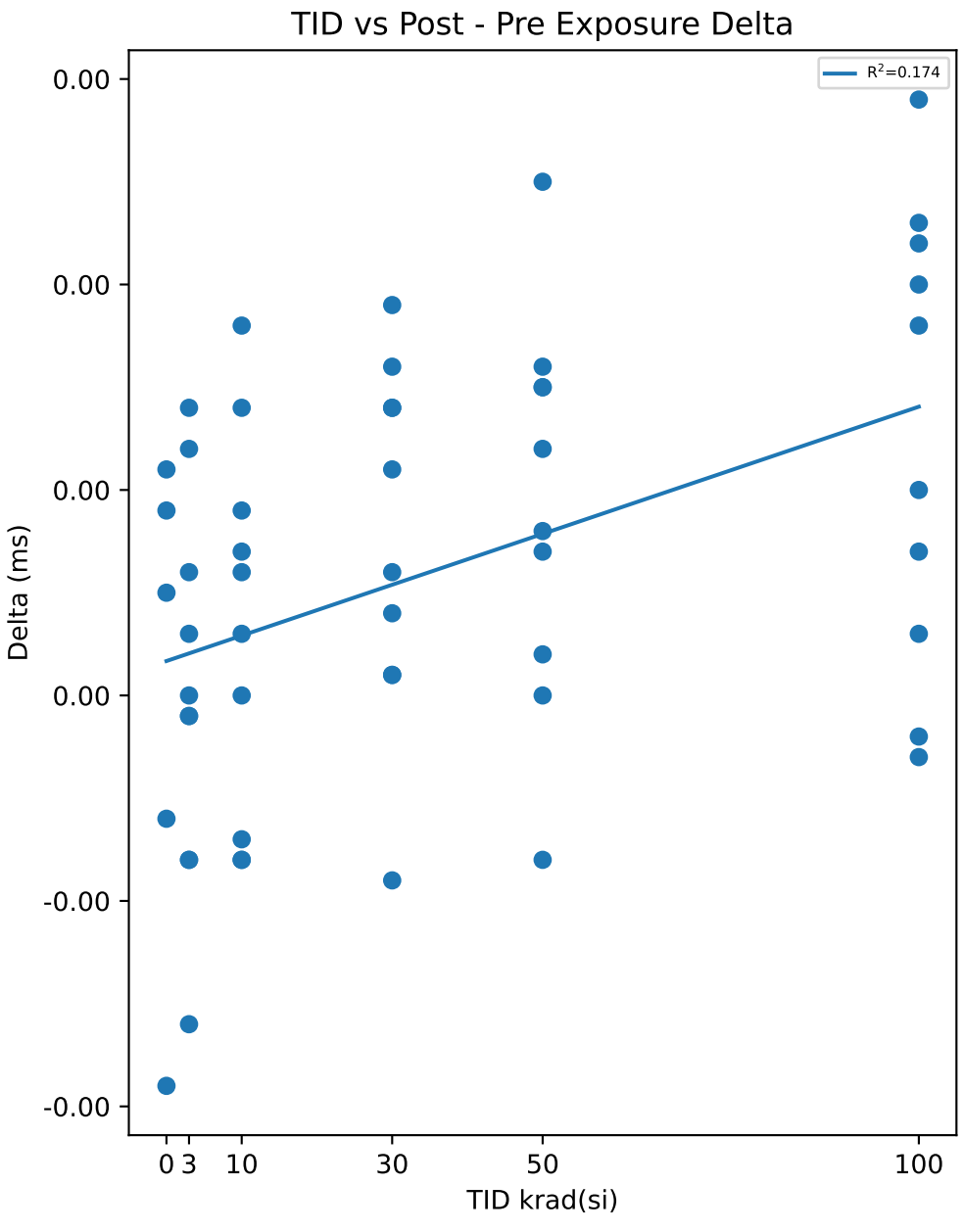
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	24.175	24.113	-0.0613
2	3	Biased	23.774	23.62	-0.1543
3	3	Biased	23.66	23.66	0.0001
4	3	Biased	24.098	24.107	0.0092
5	3	Biased	23.608	23.543	-0.065
6	3	Unbiased	23.455	23.465	0.0107
7	3	Unbiased	23.529	23.527	-0.002
8	3	Unbiased	23.416	23.499	0.0828
9	3	Unbiased	23.873	23.955	0.0821
10	3	Unbiased	23.49	23.589	0.0998
11	10	Biased	23.369	23.651	0.2829
12	10	Biased	23.535	23.621	0.0867
13	10	Biased	23.509	23.431	-0.0785
14	10	Biased	24.141	24.315	0.1732
15	10	Biased	23.511	23.442	-0.0687
16	10	Unbiased	24.113	24.323	0.21
17	10	Unbiased	23.997	24.119	0.1211
18	10	Unbiased	23.932	23.903	-0.0293
19	10	Unbiased	24.06	23.928	-0.1317
20	10	Unbiased	24.098	24.196	0.0974
21	30	Biased	23.991	23.95	-0.0407
22	30	Biased	23.916	24.017	0.1007
23	30	Biased	23.468	23.426	-0.042
24	30	Biased	23.807	23.855	0.0481
25	30	Biased	23.954	24.255	0.3007
26	30	Unbiased	23.868	23.914	0.0461
27	30	Unbiased	23.602	23.809	0.2076
28	30	Unbiased	23.489	23.37	-0.1185
29	30	Unbiased	23.502	23.544	0.0423
30	30	Unbiased	24.055	24.305	0.2503
31	50	Biased	23.51	23.454	-0.0559
32	50	Biased	24.155	24.42	0.2648
33	50	Biased	23.298	23.248	-0.0504
34	50	Biased	23.375	23.235	-0.1404
35	50	Biased	23.795	23.728	-0.0674
36	50	Unbiased	23.833	23.952	0.1195
37	50	Unbiased	23.429	23.49	0.0608
38	50	Unbiased	23.899	24.026	0.1265
39	50	Unbiased	23.357	23.39	0.0328
40	50	Unbiased	23.414	23.527	0.1123
41	100	Biased	24.059	23.934	-0.1249
42	100	Biased	23.802	23.82	0.0181
43	100	Biased	23.398	23.486	0.0879
44	100	Biased	23.512	23.758	0.2452
45	100	Biased	23.568	23.484	-0.0839
46	100	Unbiased	24.128	24.432	0.3037
47	100	Unbiased	23.63	23.984	0.3544
48	100	Unbiased	23.918	24.234	0.3168
49	100	Unbiased	24.064	23.904	-0.1601
50	100	Unbiased	23.947	24.309	0.3623
51	0	Correlation	23.5	23.476	-0.0239
52	0	Correlation	24.286	24.264	-0.0224
53	0	Correlation	23.935	23.91	-0.0251
54	0	Correlation	23.812	23.813	0.0017
55	0	Correlation	23.457	23.458	0.0017

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	23.457	23.798	24.286	0.33993	23.458	23.784	24.264	0.33443	-0.0251	-0.0136	0.0017	0.014
3	23.416	23.708	24.175	0.26725	23.465	23.708	24.113	0.25194	-0.1543	0.00021	0.0998	0.078564
10	23.369	23.827	24.141	0.3065	23.431	23.893	24.323	0.34256	-0.1317	0.06631	0.2829	0.13781
30	23.468	23.765	24.055	0.22768	23.37	23.845	24.305	0.31938	-0.1185	0.07946	0.3007	0.13616
50	23.298	23.607	24.155	0.29099	23.235	23.647	24.42	0.38188	-0.1404	0.04026	0.2648	0.12087
100	23.398	23.803	24.128	0.25982	23.484	23.935	24.432	0.3215	-0.1601	0.13195	0.3623	0.20865

Device Test: 5.57; DLY_TMR_10KOHM





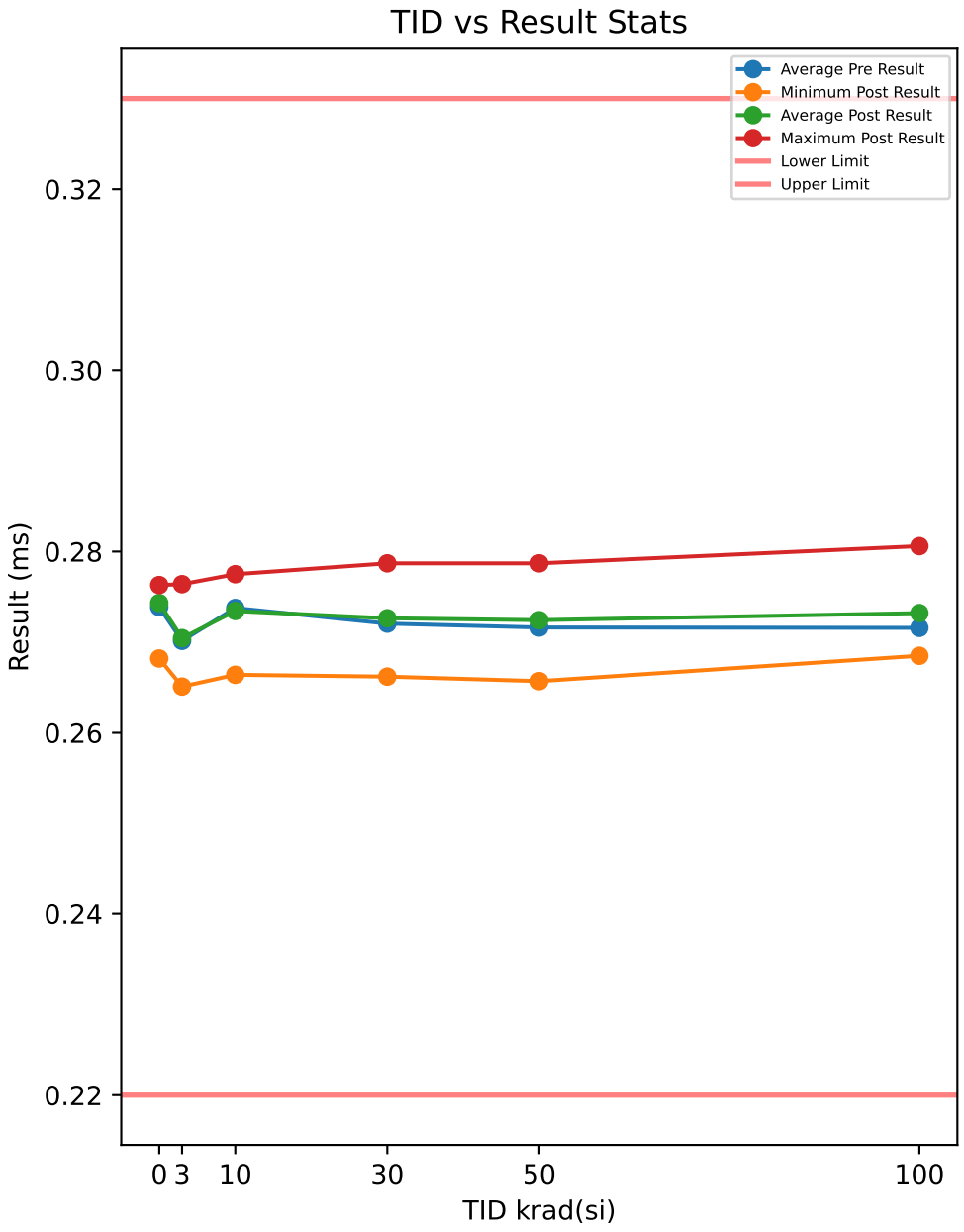
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

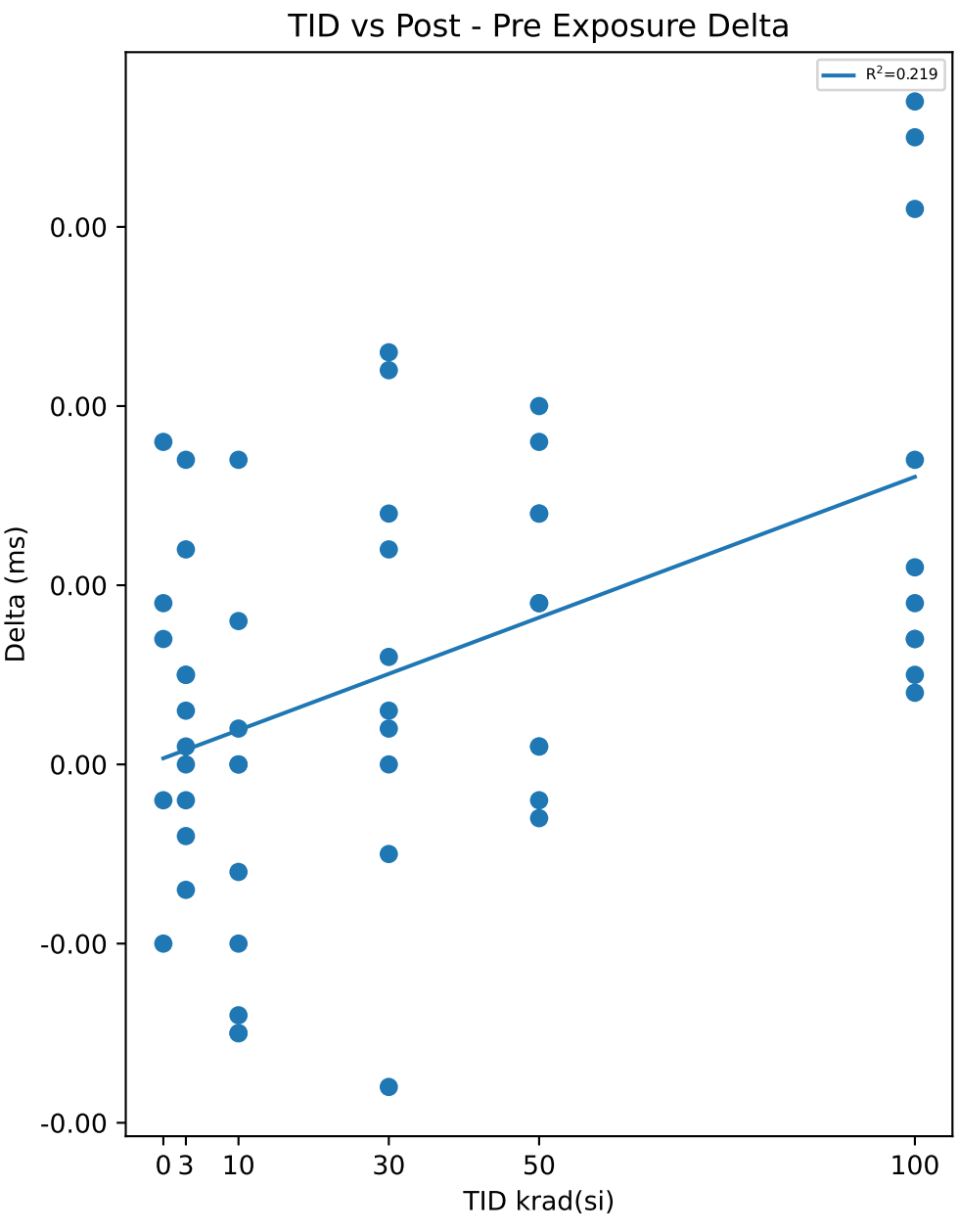
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2684	0.2676	-0.0008
2	3	Biased	0.2661	0.2673	0.0012
3	3	Biased	0.2749	0.2749	0
4	3	Biased	0.2747	0.2739	-0.0008
5	3	Biased	0.2739	0.2723	-0.0016
6	3	Unbiased	0.2664	0.2667	0.0003
7	3	Unbiased	0.2723	0.2722	-0.0001
8	3	Unbiased	0.2654	0.266	0.0006
9	3	Unbiased	0.2655	0.2654	-0.0001
10	3	Unbiased	0.2661	0.2675	0.0014
11	10	Biased	0.2733	0.2733	0
12	10	Biased	0.2665	0.2683	0.0018
13	10	Biased	0.267	0.2662	-0.0008
14	10	Biased	0.2763	0.2769	0.0006
15	10	Biased	0.2738	0.2752	0.0014
16	10	Unbiased	0.2729	0.2736	0.0007
17	10	Unbiased	0.2752	0.2755	0.0003
18	10	Unbiased	0.2662	0.2671	0.0009
19	10	Unbiased	0.2757	0.275	-0.0007
20	10	Unbiased	0.2746	0.2738	-0.0008
21	30	Biased	0.2664	0.268	0.0016
22	30	Biased	0.2674	0.268	0.0006
23	30	Biased	0.274	0.2741	0.0001
24	30	Biased	0.2765	0.2776	0.0011
25	30	Biased	0.2762	0.2776	0.0014
26	30	Unbiased	0.2666	0.2667	0.0001
27	30	Unbiased	0.2721	0.274	0.0019
28	30	Unbiased	0.2654	0.2658	0.0004
29	30	Unbiased	0.2667	0.2658	-0.0009
30	30	Unbiased	0.2746	0.276	0.0014
31	50	Biased	0.2641	0.2653	0.0012
32	50	Biased	0.2759	0.2775	0.0016
33	50	Biased	0.2684	0.2692	0.0008
34	50	Biased	0.2655	0.2655	0
35	50	Biased	0.2734	0.2736	0.0002
36	50	Unbiased	0.276	0.2775	0.0015
37	50	Unbiased	0.2668	0.266	-0.0008
38	50	Unbiased	0.2769	0.2776	0.0007
39	50	Unbiased	0.2688	0.2703	0.0015
40	50	Unbiased	0.2675	0.27	0.0025
41	100	Biased	0.2764	0.2774	0.001
42	100	Biased	0.2675	0.2693	0.0018
43	100	Biased	0.2661	0.2684	0.0023
44	100	Biased	0.2681	0.271	0.0029
45	100	Biased	0.2687	0.269	0.0003
46	100	Unbiased	0.2665	0.2687	0.0022
47	100	Unbiased	0.2673	0.268	0.0007
48	100	Unbiased	0.2763	0.276	-0.0003
49	100	Unbiased	0.2754	0.2752	-0.0002
50	100	Unbiased	0.2761	0.2781	0.002
51	0	Correlation	0.2738	0.2747	0.0009
52	0	Correlation	0.2754	0.2748	-0.0006
53	0	Correlation	0.274	0.2745	0.0005
54	0	Correlation	0.2736	0.2747	0.0011
55	0	Correlation	0.2687	0.2668	-0.0019

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	0.2687	0.2731	0.2754	0.0025593	0.2668	0.2731	0.2748	0.0035235	-0.0019	0	0.0011	0.001249
3	0.2654	0.26937	0.2749	0.0040822	0.2654	0.26938	0.2749	0.0035411	-0.0016	1e-05	0.0014	0.0009255
10	0.2662	0.27215	0.2763	0.0039942	0.2662	0.27249	0.2769	0.0038287	-0.0008	0.00034	0.0018	0.00091676
30	0.2654	0.27059	0.2765	0.0044983	0.2658	0.27136	0.2776	0.0049442	-0.0009	0.00077	0.0019	0.00086416
50	0.2641	0.27033	0.2769	0.0047661	0.2653	0.27125	0.2776	0.0050185	-0.0008	0.00092	0.0025	0.00094845
100	0.2661	0.27084	0.2764	0.0045493	0.268	0.27211	0.2781	0.0040774	-0.0003	0.00127	0.0029	0.0011235

Device Test: 5.58; DLY_TMR_10KOHM





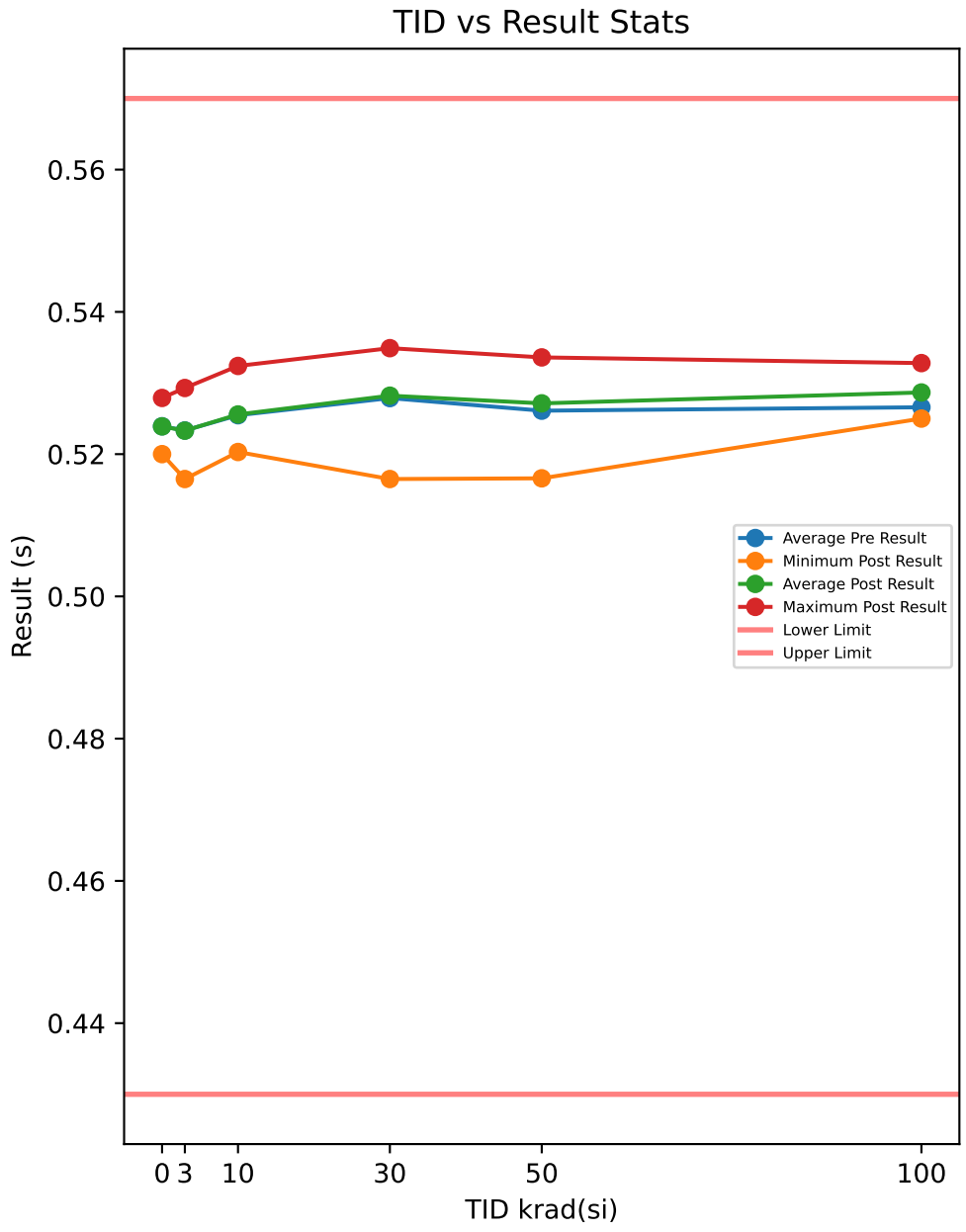
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2693	0.2694	0.0001
2	3	Biased	0.2676	0.2688	0.0012
3	3	Biased	0.2747	0.2764	0.0017
4	3	Biased	0.2756	0.2761	0.0005
5	3	Biased	0.2738	0.2743	0.0005
6	3	Unbiased	0.2671	0.2669	-0.0002
7	3	Unbiased	0.2739	0.2732	-0.0007
8	3	Unbiased	0.2662	0.2665	0.0003
9	3	Unbiased	0.2655	0.2651	-0.0004
10	3	Unbiased	0.2678	0.2678	0
11	10	Biased	0.2753	0.2738	-0.0015
12	10	Biased	0.269	0.268	-0.001
13	10	Biased	0.2679	0.2664	-0.0015
14	10	Biased	0.2773	0.2775	0.0002
15	10	Biased	0.2765	0.2765	0
16	10	Unbiased	0.2738	0.2755	0.0017
17	10	Unbiased	0.277	0.277	0
18	10	Unbiased	0.2688	0.2674	-0.0014
19	10	Unbiased	0.2767	0.2761	-0.0006
20	10	Unbiased	0.2754	0.2762	0.0008
21	30	Biased	0.2676	0.2688	0.0012
22	30	Biased	0.2687	0.2701	0.0014
23	30	Biased	0.275	0.2753	0.0003
24	30	Biased	0.2785	0.2787	0.0002
25	30	Biased	0.2759	0.2782	0.0023
26	30	Unbiased	0.2673	0.2695	0.0022
27	30	Unbiased	0.2751	0.2746	-0.0005
28	30	Unbiased	0.268	0.2662	-0.0018
29	30	Unbiased	0.2678	0.2678	0
30	30	Unbiased	0.2766	0.2772	0.0006
31	50	Biased	0.266	0.2657	-0.0003
32	50	Biased	0.2784	0.2785	0.0001
33	50	Biased	0.2697	0.2711	0.0014
34	50	Biased	0.2675	0.2684	0.0009
35	50	Biased	0.2739	0.274	0.0001
36	50	Unbiased	0.2765	0.2779	0.0014
37	50	Unbiased	0.2674	0.2683	0.0009
38	50	Unbiased	0.2767	0.2787	0.002
39	50	Unbiased	0.2697	0.2715	0.0018
40	50	Unbiased	0.2704	0.2702	-0.0002
41	100	Biased	0.2777	0.2784	0.0007
42	100	Biased	0.2686	0.269	0.0004
43	100	Biased	0.2676	0.2685	0.0009
44	100	Biased	0.2681	0.2716	0.0035
45	100	Biased	0.2691	0.2698	0.0007
46	100	Unbiased	0.2681	0.2698	0.0017
47	100	Unbiased	0.268	0.2685	0.0005
48	100	Unbiased	0.2753	0.279	0.0037
49	100	Unbiased	0.2758	0.2769	0.0011
50	100	Unbiased	0.2775	0.2806	0.0031
51	0	Correlation	0.2752	0.275	-0.0002
52	0	Correlation	0.2751	0.276	0.0009
53	0	Correlation	0.2745	0.2763	0.0018
54	0	Correlation	0.2754	0.2761	0.0007
55	0	Correlation	0.2692	0.2682	-0.001

Test Statistics (ms)

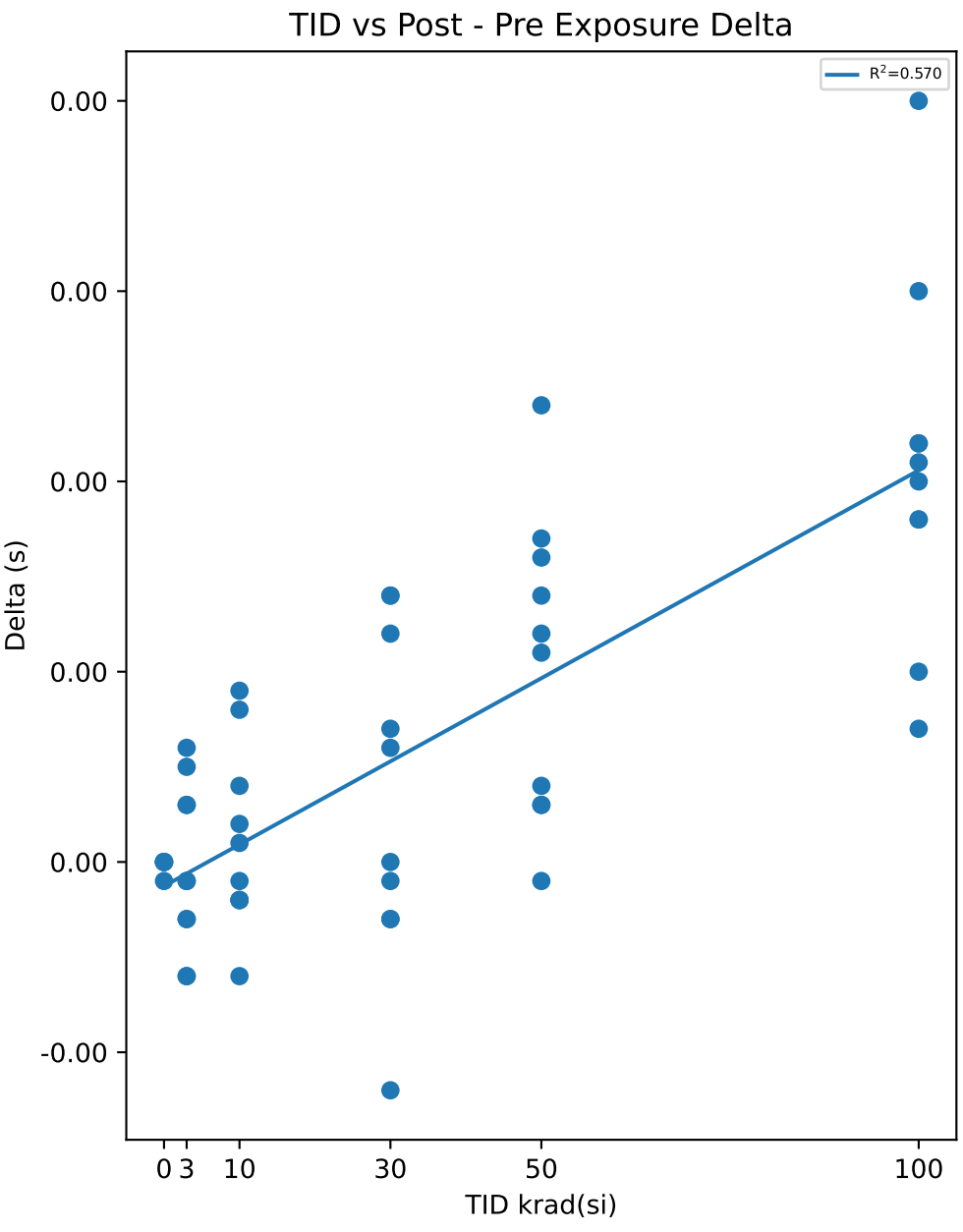
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2692	0.27388	0.2754	0.0026376	0.2682	0.27432	0.2763	0.0034579	-0.001	0.00044	0.0018	0.0010738
3	0.2655	0.27015	0.2756	0.0039025	0.2651	0.27045	0.2764	0.0041818	-0.0007	0.0003	0.0017	0.00072419
10	0.2679	0.27377	0.2773	0.0037393	0.2664	0.27344	0.2775	0.0043872	-0.0015	-0.00033	0.0017	0.0010698
30	0.2673	0.27205	0.2785	0.0045115	0.2662	0.27264	0.2787	0.0046584	-0.0018	0.00059	0.0023	0.0012485
50	0.266	0.27162	0.2784	0.0044224	0.2657	0.27243	0.2787	0.0046517	-0.0003	0.00081	0.002	0.00084123
100	0.2676	0.27158	0.2777	0.0043723	0.2685	0.27321	0.2806	0.0049061	0.0004	0.00163	0.0037	0.001303

Device Test: 5.59; WD_TMR_10KOHM



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

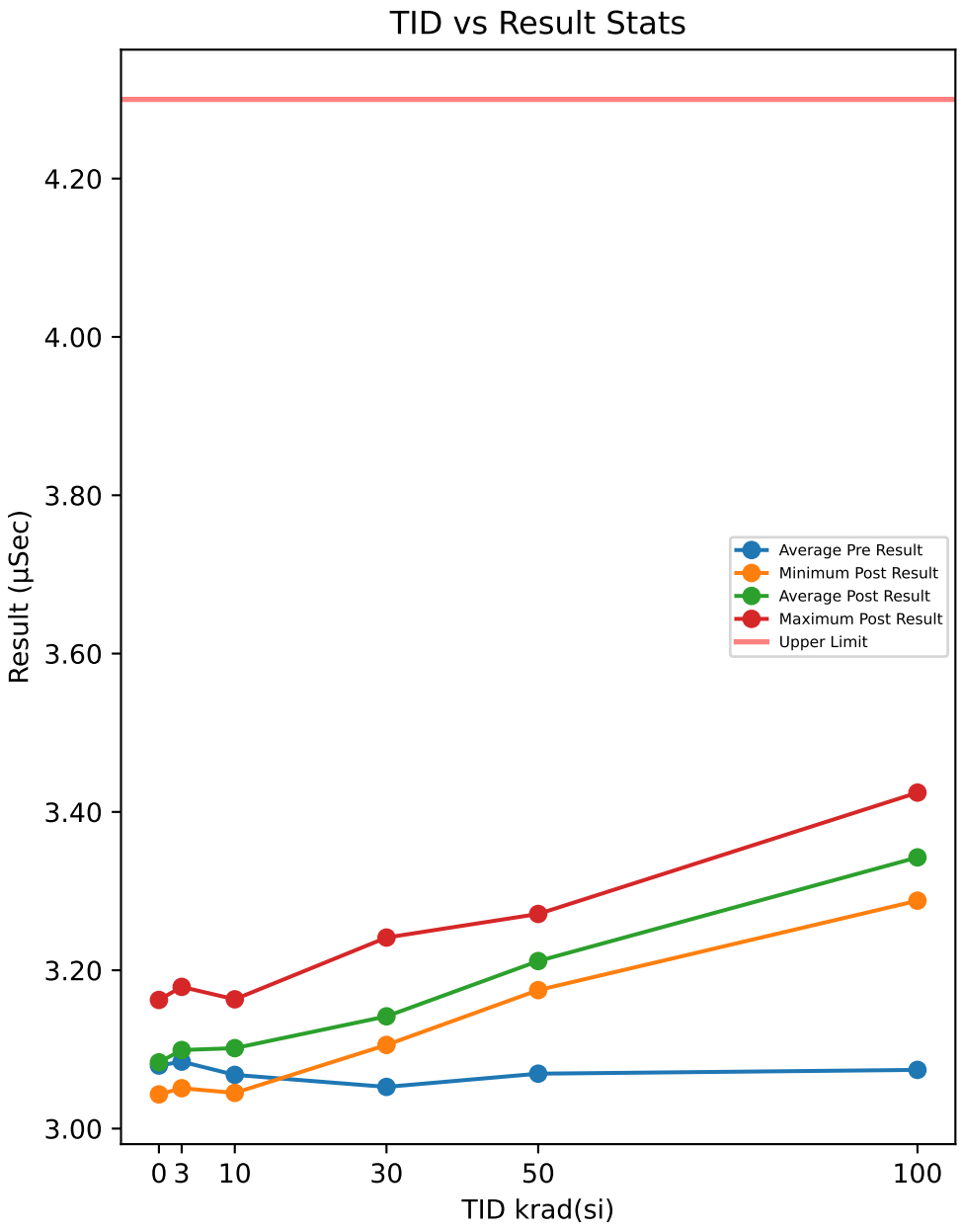
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.529	0.5293	0.0003
2	3	Biased	0.516	0.5165	0.0005
3	3	Biased	0.5252	0.5246	-0.0006
4	3	Biased	0.5261	0.5255	-0.0006
5	3	Biased	0.5278	0.5277	-0.0001
6	3	Unbiased	0.5239	0.5238	-0.0001
7	3	Unbiased	0.5213	0.5216	0.0003
8	3	Unbiased	0.5204	0.521	0.0006
9	3	Unbiased	0.5228	0.5225	-0.0003
10	3	Unbiased	0.5208	0.5205	-0.0003
11	10	Biased	0.5255	0.5256	0.0001
12	10	Biased	0.5259	0.5257	-0.0002
13	10	Biased	0.5267	0.5265	-0.0002
14	10	Biased	0.5325	0.5324	-0.0001
15	10	Biased	0.5194	0.5203	0.0009
16	10	Unbiased	0.5276	0.5274	-0.0002
17	10	Unbiased	0.5278	0.5286	0.0008
18	10	Unbiased	0.5243	0.5245	0.0002
19	10	Unbiased	0.5201	0.5205	0.0004
20	10	Unbiased	0.5249	0.5243	-0.0006
21	30	Biased	0.5297	0.5297	0
22	30	Biased	0.5305	0.5304	-0.0001
23	30	Biased	0.5252	0.5249	-0.0003
24	30	Biased	0.5291	0.5288	-0.0003
25	30	Biased	0.5159	0.5165	0.0006
26	30	Unbiased	0.526	0.5267	0.0007
27	30	Unbiased	0.5264	0.5278	0.0014
28	30	Unbiased	0.5361	0.5349	-0.0012
29	30	Unbiased	0.5264	0.5276	0.0012
30	30	Unbiased	0.5335	0.5349	0.0014
31	50	Biased	0.5167	0.5166	-0.0001
32	50	Biased	0.526	0.5272	0.0012
33	50	Biased	0.5302	0.5305	0.0003
34	50	Biased	0.5239	0.5242	0.0003
35	50	Biased	0.5265	0.5276	0.0011
36	50	Unbiased	0.5256	0.526	0.0004
37	50	Unbiased	0.5261	0.5285	0.0024
38	50	Unbiased	0.5308	0.5324	0.0016
39	50	Unbiased	0.5319	0.5336	0.0017
40	50	Unbiased	0.5234	0.5248	0.0014
41	100	Biased	0.531	0.5328	0.0018
42	100	Biased	0.5275	0.5295	0.002
43	100	Biased	0.524	0.527	0.003
44	100	Biased	0.5295	0.5302	0.0007
45	100	Biased	0.527	0.5288	0.0018
46	100	Unbiased	0.5288	0.5298	0.001
47	100	Unbiased	0.5262	0.5302	0.004
48	100	Unbiased	0.5229	0.525	0.0021
49	100	Unbiased	0.5231	0.5253	0.0022
50	100	Unbiased	0.5259	0.5281	0.0022
51	0	Correlation	0.5265	0.5265	0
52	0	Correlation	0.52	0.52	0
53	0	Correlation	0.5217	0.5217	0
54	0	Correlation	0.528	0.5279	-0.0001
55	0	Correlation	0.5234	0.5234	0

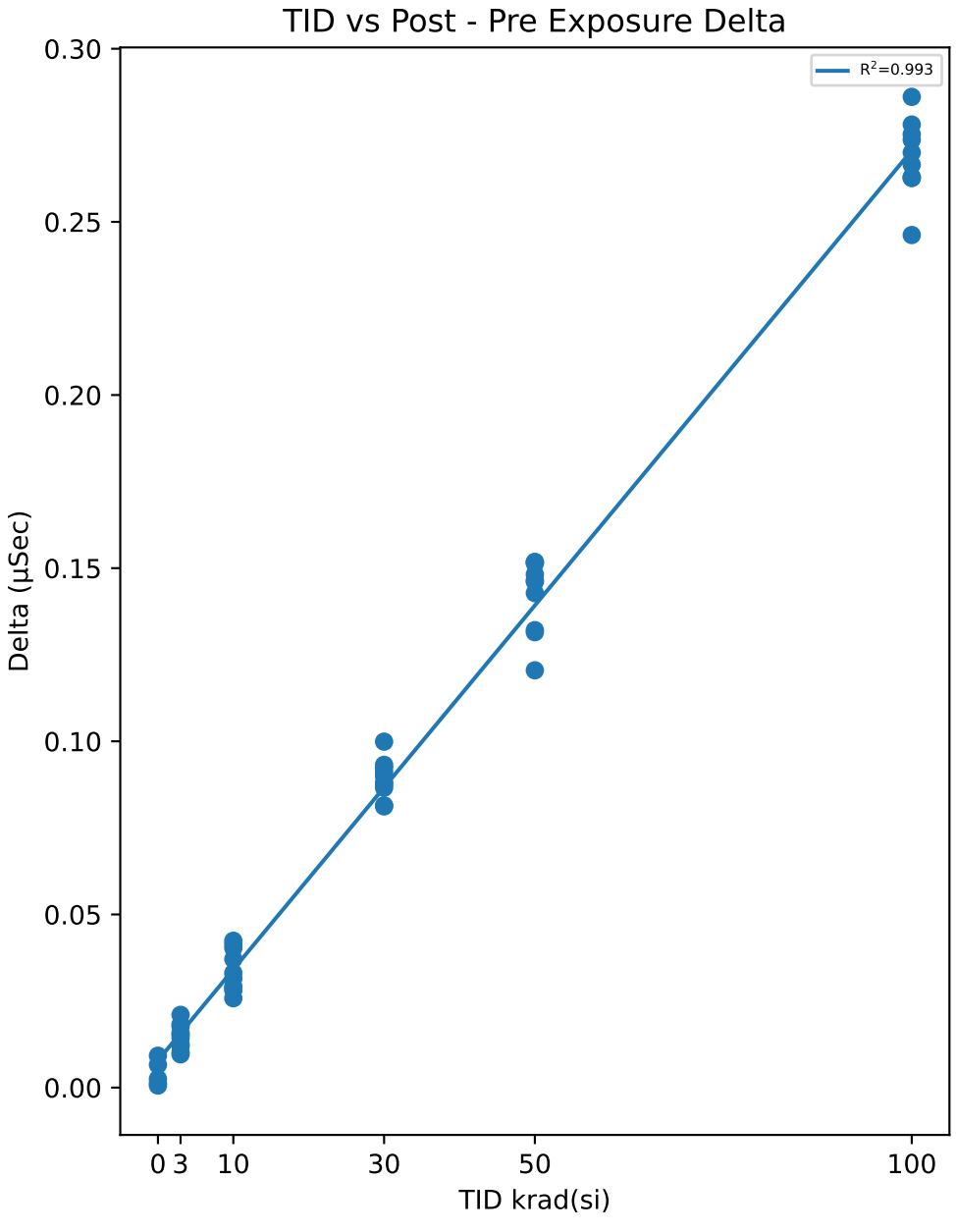


Test Statistics (s)

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	0.52	0.52392	0.528	0.0033116	0.52	0.5239	0.5279	0.003281	-0.0001	-2e-05	0	4.4721e-05
3	0.516	0.52333	0.529	0.0038979	0.5165	0.5233	0.5293	0.0037274	-0.0006	-3e-05	0.0006	0.00043474
10	0.5194	0.52547	0.5325	0.003778	0.5203	0.52558	0.5324	0.0035947	-0.0006	0.00011	0.0009	0.00047481
30	0.5159	0.52788	0.5361	0.0054715	0.5165	0.52822	0.5349	0.005247	-0.0012	0.00034	0.0014	0.00086178
50	0.5167	0.52611	0.5319	0.00439	0.5166	0.52714	0.5336	0.004822	-0.0001	0.00103	0.0024	0.00078606
100	0.5229	0.52659	0.531	0.002727	0.525	0.52867	0.5328	0.0023959	0.0007	0.00208	0.004	0.00093071

Device Test: 5.6; PROPD_RESET





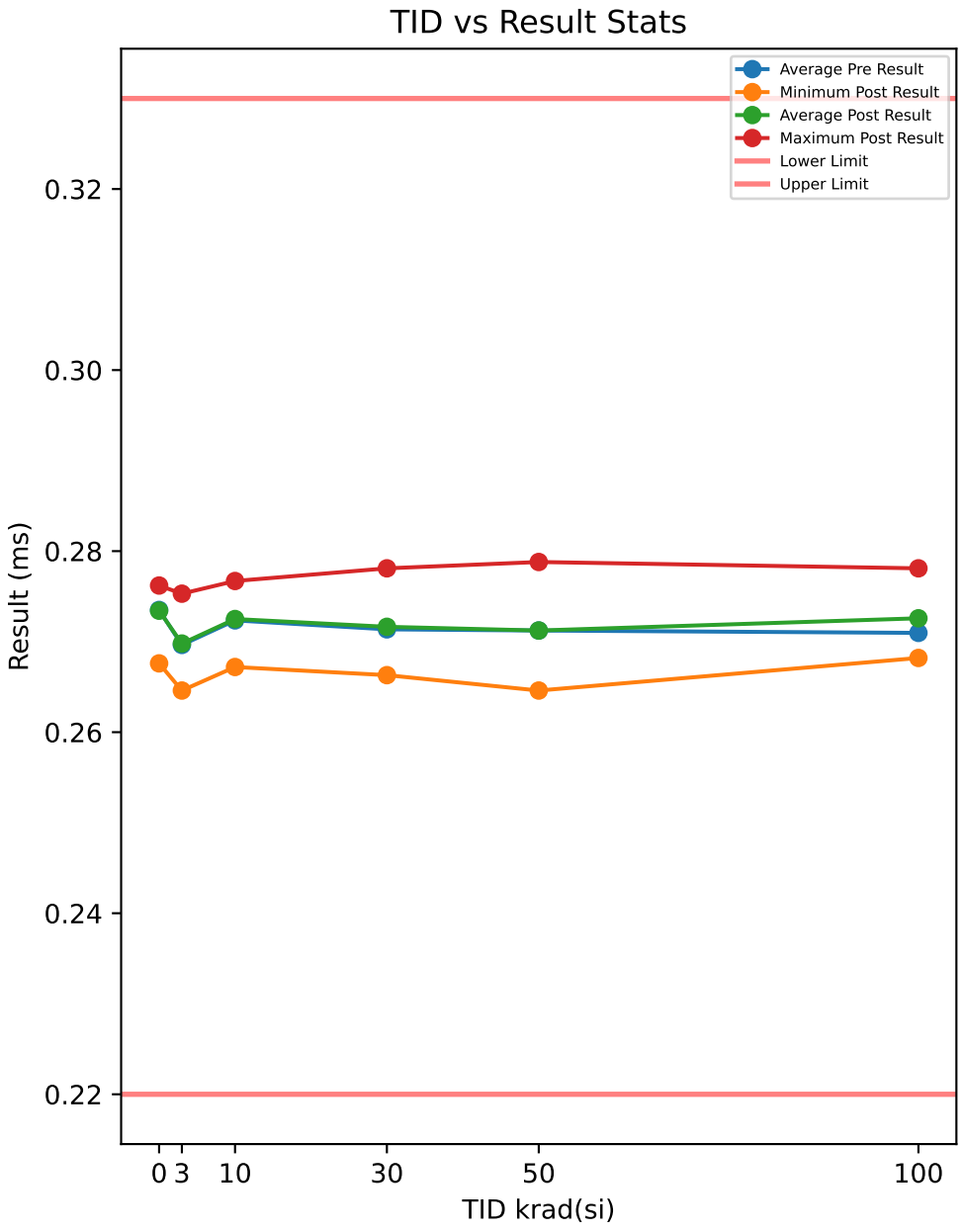
Test Results (Upper Limit = 4.3 (µSec))

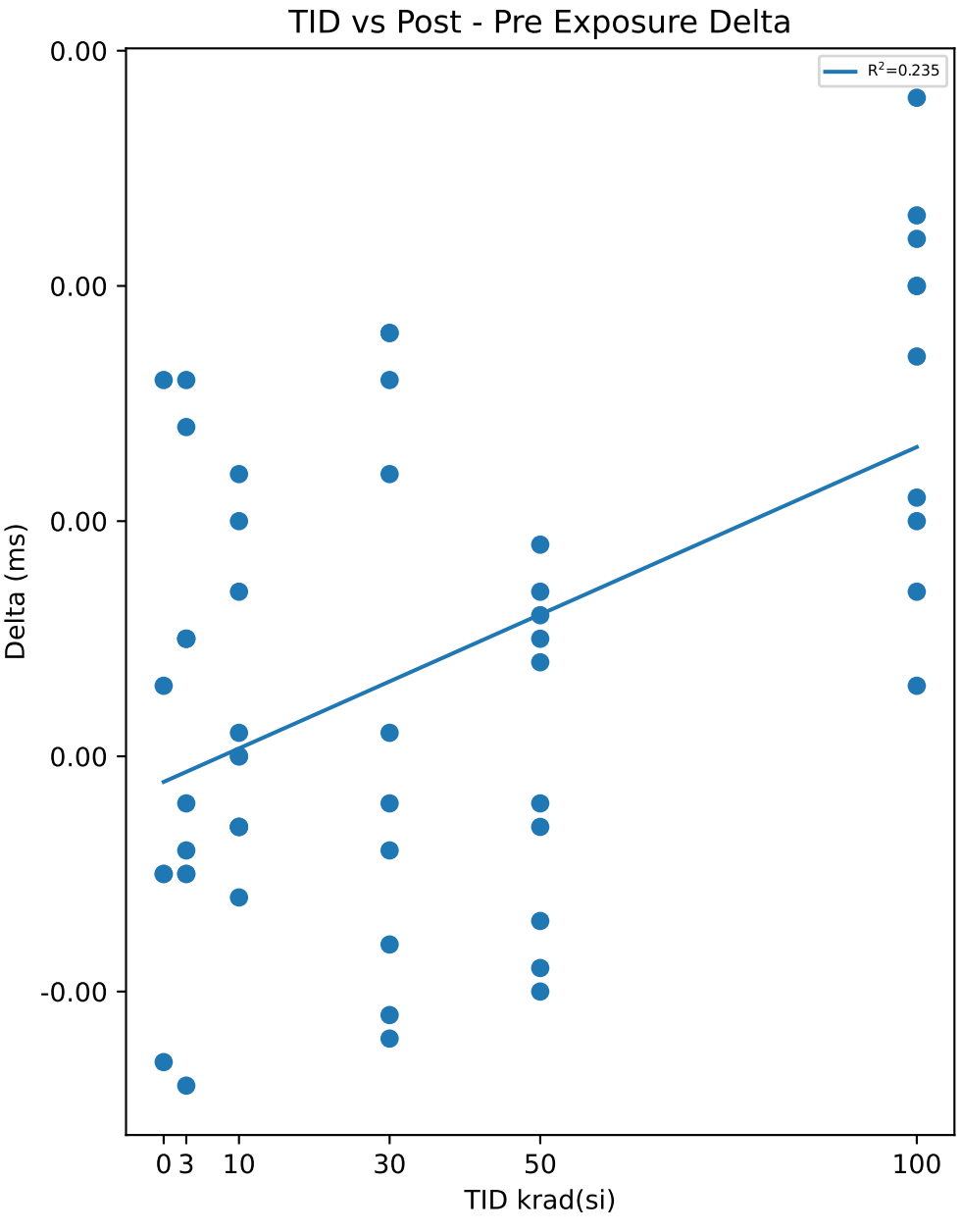
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	3.0437	3.0594	0.0157
2	3	Biased	3.1644	3.1764	0.012
3	3	Biased	3.1139	3.1322	0.0183
4	3	Biased	3.0676	3.0801	0.0125
5	3	Biased	3.0501	3.0597	0.0096
6	3	Unbiased	3.0356	3.051	0.0154
7	3	Unbiased	3.1689	3.179	0.0101
8	3	Unbiased	3.0302	3.0512	0.021
9	3	Unbiased	3.0859	3.1003	0.0144
10	3	Unbiased	3.0854	3.1031	0.0177
11	10	Biased	3.0193	3.0451	0.0258
12	10	Biased	3.0451	3.0738	0.0287
13	10	Biased	3.0963	3.1244	0.0281
14	10	Biased	3.0332	3.0663	0.0331
15	10	Biased	3.0295	3.0709	0.0414
16	10	Unbiased	3.0803	3.1174	0.0371
17	10	Unbiased	3.123	3.1633	0.0403
18	10	Unbiased	3.1177	3.1601	0.0424
19	10	Unbiased	3.0219	3.0534	0.0315
20	10	Unbiased	3.1123	3.1415	0.0292
21	30	Biased	3.0369	3.1279	0.091
22	30	Biased	3.0191	3.1057	0.0866
23	30	Biased	3.1532	3.2413	0.0881
24	30	Biased	3.0522	3.1398	0.0876
25	30	Biased	3.05	3.1432	0.0932
26	30	Unbiased	3.0295	3.1107	0.0812
27	30	Unbiased	3.0392	3.1391	0.0999
28	30	Unbiased	3.0411	3.1226	0.0815
29	30	Unbiased	3.044	3.1363	0.0923
30	30	Unbiased	3.0614	3.1513	0.0899
31	50	Biased	3.0964	3.2392	0.1428
32	50	Biased	3.1175	3.238	0.1205
33	50	Biased	3.0465	3.1979	0.1514
34	50	Biased	3.1193	3.2711	0.1518
35	50	Biased	3.0729	3.205	0.1321
36	50	Unbiased	3.0421	3.1882	0.1461
37	50	Unbiased	3.0434	3.1749	0.1315
38	50	Unbiased	3.0509	3.1991	0.1482
39	50	Unbiased	3.0618	3.2082	0.1464
40	50	Unbiased	3.0429	3.1946	0.1517
41	100	Biased	3.0319	3.3019	0.27
42	100	Biased	3.0345	3.3082	0.2737
43	100	Biased	3.0326	3.2953	0.2627
44	100	Biased	3.12	3.3981	0.2781
45	100	Biased	3.0264	3.2891	0.2627
46	100	Unbiased	3.1292	3.3957	0.2665
47	100	Unbiased	3.1683	3.4145	0.2462
48	100	Unbiased	3.1383	3.4244	0.2861
49	100	Unbiased	3.0249	3.2879	0.263
50	100	Unbiased	3.0354	3.3107	0.2753
51	0	Correlation	3.0582	3.0588	0.0006
52	0	Correlation	3.16	3.1625	0.0025
53	0	Correlation	3.0419	3.0432	0.0013
54	0	Correlation	3.0945	3.1011	0.0066
55	0	Correlation	3.0435	3.0527	0.0092

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	3.0419	3.0796	3.16	0.04967	3.0432	3.0837	3.1625	0.049329	0.0006	0.00404	0.0092	0.0037045
3	3.0302	3.0846	3.1689	0.050385	3.051	3.0992	3.179	0.048955	0.0096	0.01467	0.021	0.0036896
10	3.0193	3.0679	3.123	0.042327	3.0451	3.1016	3.1633	0.044805	0.0258	0.03376	0.0424	0.0060945
30	3.0191	3.0527	3.1532	0.037257	3.1057	3.1418	3.2413	0.03781	0.0812	0.08913	0.0999	0.0055538
50	3.0421	3.0694	3.1193	0.030899	3.1749	3.2116	3.2711	0.029024	0.1205	0.14225	0.1518	0.010665
100	3.0249	3.0742	3.1683	0.057158	3.2879	3.3426	3.4244	0.057455	0.2462	0.26843	0.2861	0.010935

Device Test: 5.60; DLY_TMR_10KOHM





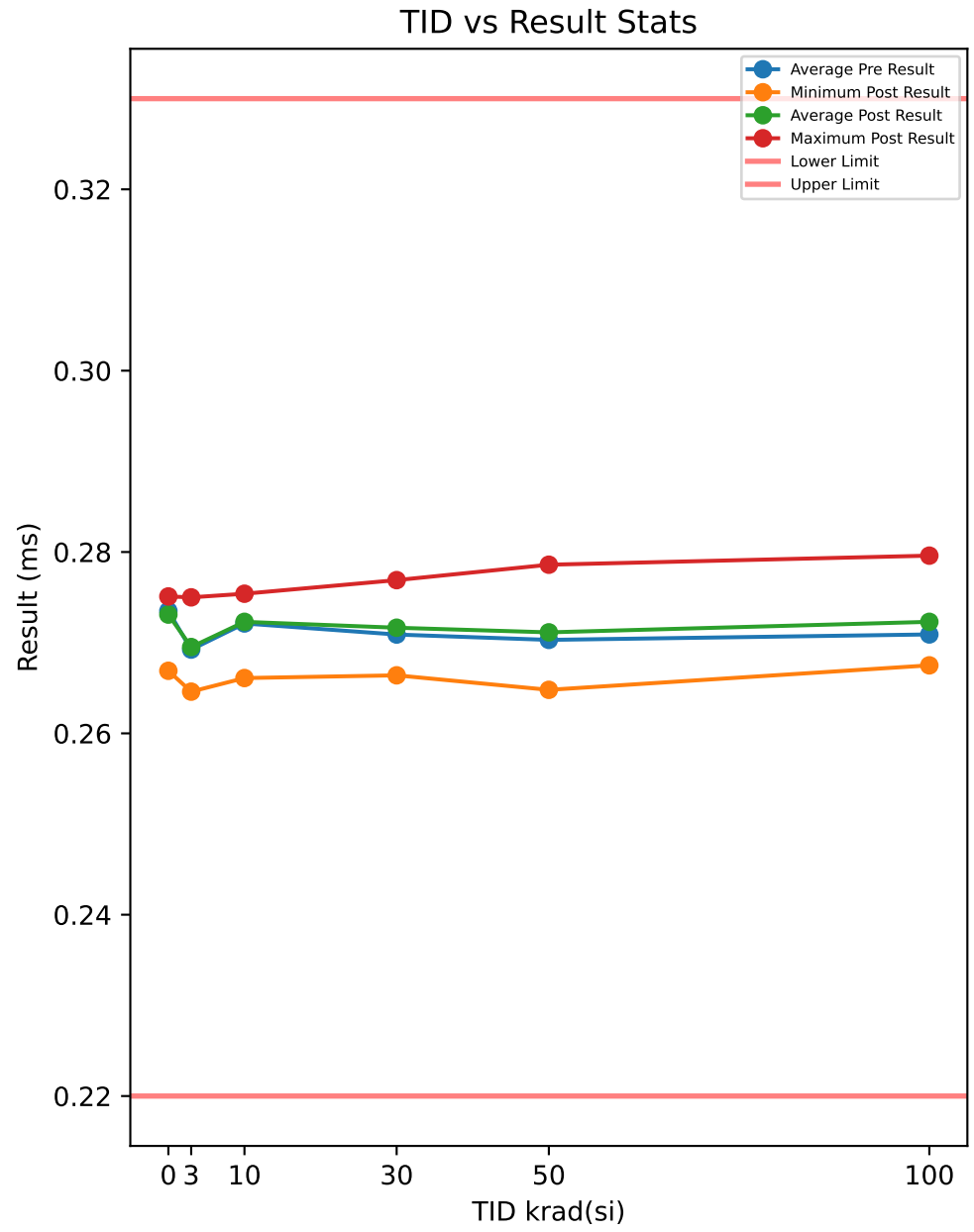
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

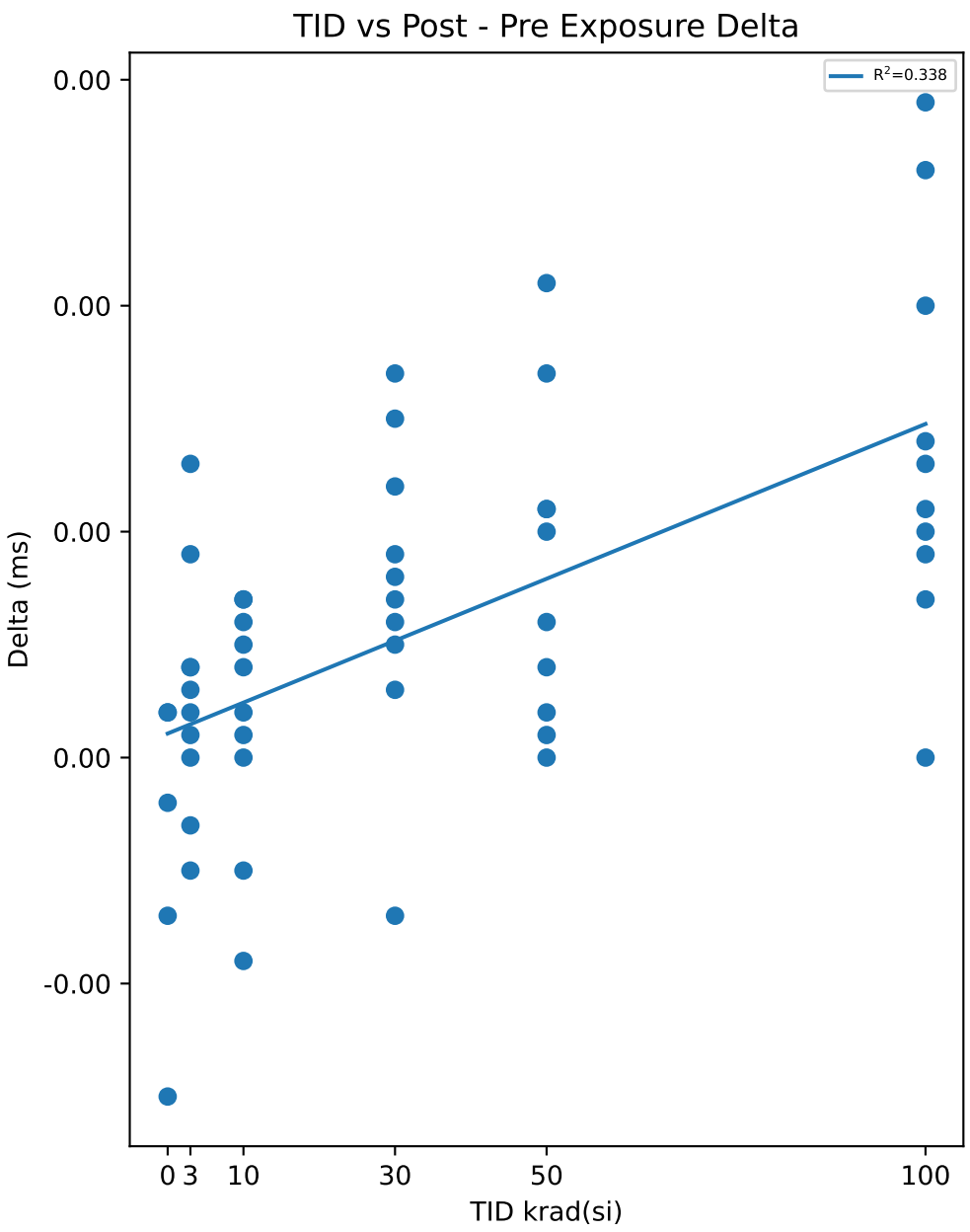
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2696	0.2694	-0.0002
2	3	Biased	0.2668	0.2673	0.0005
3	3	Biased	0.2748	0.2753	0.0005
4	3	Biased	0.2745	0.275	0.0005
5	3	Biased	0.2749	0.2735	-0.0014
6	3	Unbiased	0.2659	0.2655	-0.0004
7	3	Unbiased	0.2728	0.2744	0.0016
8	3	Unbiased	0.2652	0.2647	-0.0005
9	3	Unbiased	0.2651	0.2646	-0.0005
10	3	Unbiased	0.2668	0.2682	0.0014
11	10	Biased	0.2731	0.2741	0.001
12	10	Biased	0.2671	0.2672	0.0001
13	10	Biased	0.2676	0.2673	-0.0003
14	10	Biased	0.2755	0.2767	0.0012
15	10	Biased	0.2742	0.2742	0
16	10	Unbiased	0.274	0.2734	-0.0006
17	10	Unbiased	0.2752	0.2752	0
18	10	Unbiased	0.2678	0.2675	-0.0003
19	10	Unbiased	0.2749	0.2746	-0.0003
20	10	Unbiased	0.2741	0.2748	0.0007
21	30	Biased	0.268	0.2669	-0.0011
22	30	Biased	0.2686	0.2684	-0.0002
23	30	Biased	0.2753	0.2741	-0.0012
24	30	Biased	0.2763	0.2781	0.0018
25	30	Biased	0.2754	0.2772	0.0018
26	30	Unbiased	0.267	0.2686	0.0016
27	30	Unbiased	0.2736	0.2737	0.0001
28	30	Unbiased	0.2667	0.2663	-0.0004
29	30	Unbiased	0.2662	0.2674	0.0012
30	30	Unbiased	0.2765	0.2757	-0.0008
31	50	Biased	0.2655	0.2646	-0.0009
32	50	Biased	0.2781	0.2788	0.0007
33	50	Biased	0.2692	0.2697	0.0005
34	50	Biased	0.2676	0.2669	-0.0007
35	50	Biased	0.2752	0.2742	-0.001
36	50	Unbiased	0.2757	0.2766	0.0009
37	50	Unbiased	0.2654	0.266	0.0006
38	50	Unbiased	0.2775	0.2773	-0.0002
39	50	Unbiased	0.2696	0.2693	-0.0003
40	50	Unbiased	0.2685	0.2689	0.0004
41	100	Biased	0.2774	0.2781	0.0007
42	100	Biased	0.2681	0.2698	0.0017
43	100	Biased	0.2677	0.2688	0.0011
44	100	Biased	0.2689	0.2712	0.0023
45	100	Biased	0.2694	0.2697	0.0003
46	100	Unbiased	0.2662	0.2682	0.002
47	100	Unbiased	0.2673	0.2683	0.001
48	100	Unbiased	0.275	0.2778	0.0028
49	100	Unbiased	0.2739	0.2759	0.002
50	100	Unbiased	0.2758	0.278	0.0022
51	0	Correlation	0.2748	0.2743	-0.0005
52	0	Correlation	0.2746	0.2762	0.0016
53	0	Correlation	0.275	0.2745	-0.0005
54	0	Correlation	0.2742	0.2745	0.0003
55	0	Correlation	0.2689	0.2676	-0.0013

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	0.2689	0.2735	0.275	0.0025884	0.2676	0.27342	0.2762	0.0033432	-0.0013	-8e-05	0.0016	0.0010964
3	0.2651	0.26964	0.2749	0.0041945	0.2646	0.26979	0.2753	0.0043799	-0.0014	0.00015	0.0016	0.00092526
10	0.2671	0.27235	0.2755	0.003418	0.2672	0.2725	0.2767	0.003667	-0.0006	0.00015	0.0012	0.00060964
30	0.2662	0.27136	0.2765	0.0043963	0.2663	0.27164	0.2781	0.0045719	-0.0012	0.00028	0.0018	0.0012109
50	0.2654	0.27123	0.2781	0.0049044	0.2646	0.27123	0.2788	0.0050921	-0.001	-1.1102e-17	0.0009	0.00070711
100	0.2662	0.27097	0.2774	0.0041015	0.2682	0.27258	0.2781	0.0043184	0.0003	0.00161	0.0028	0.00079784

Device Test: 5.61; DLY_TMR_10KOHM





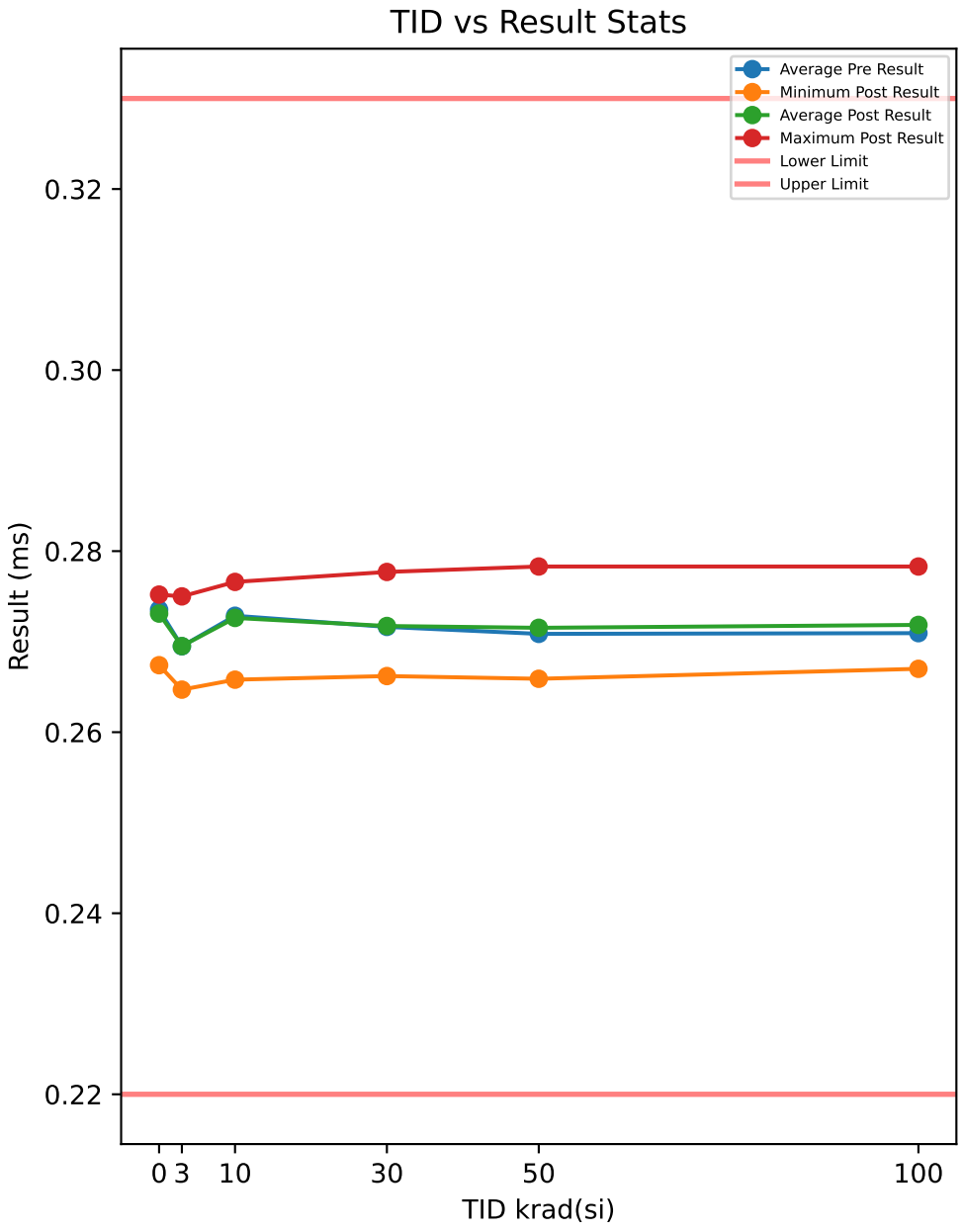
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

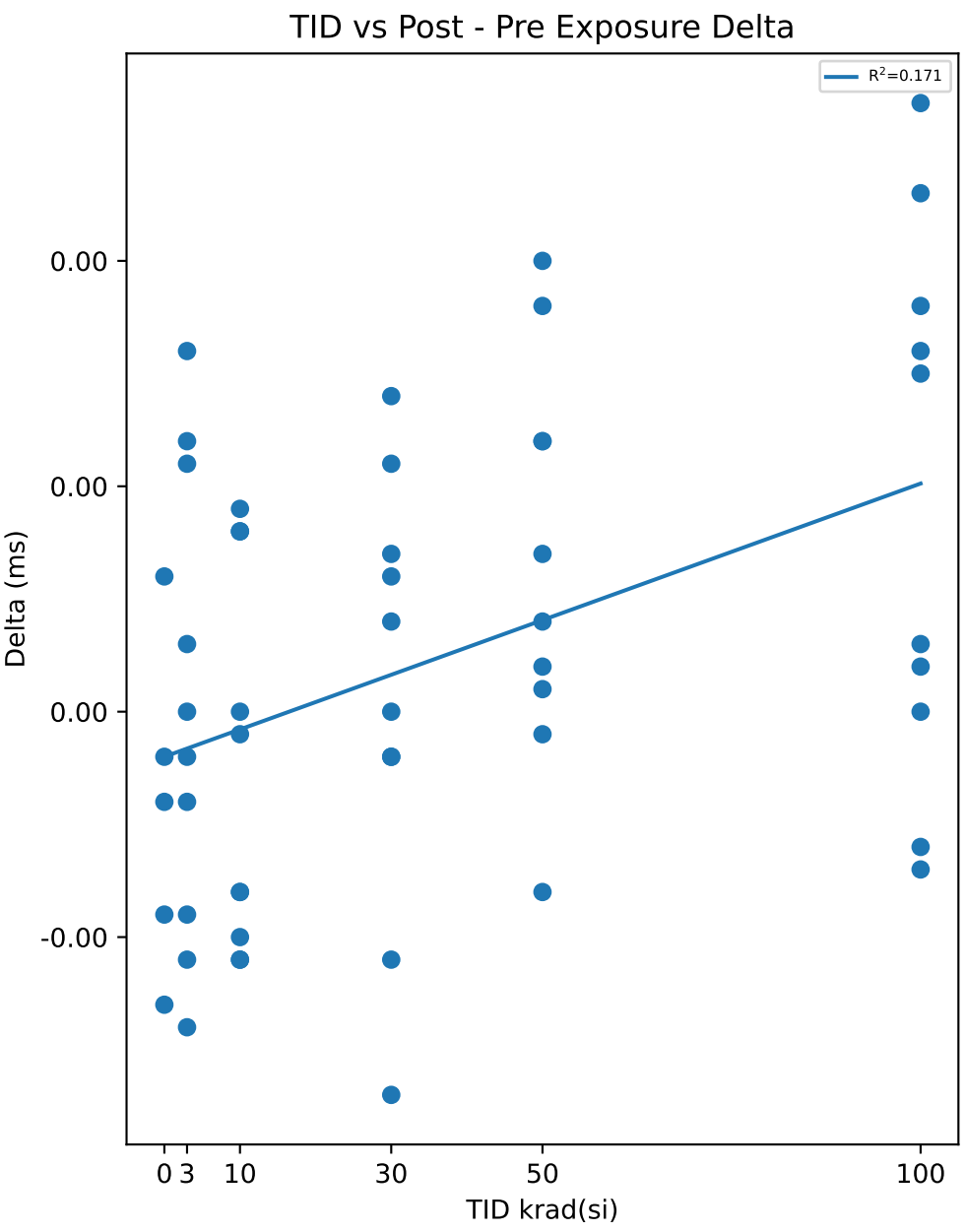
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2684	0.2684	0
2	3	Biased	0.2674	0.2671	-0.0003
3	3	Biased	0.2743	0.2745	0.0002
4	3	Biased	0.2755	0.275	-0.0005
5	3	Biased	0.273	0.2734	0.0004
6	3	Unbiased	0.2653	0.2666	0.0013
7	3	Unbiased	0.2732	0.2741	0.0009
8	3	Unbiased	0.2644	0.2647	0.0003
9	3	Unbiased	0.2642	0.2646	0.0004
10	3	Unbiased	0.2667	0.2668	0.0001
11	10	Biased	0.2729	0.2729	0
12	10	Biased	0.2678	0.2684	0.0006
13	10	Biased	0.266	0.2661	0.0001
14	10	Biased	0.2759	0.2754	-0.0005
15	10	Biased	0.2758	0.2749	-0.0009
16	10	Unbiased	0.2728	0.2732	0.0004
17	10	Unbiased	0.2746	0.2753	0.0007
18	10	Unbiased	0.2662	0.2669	0.0007
19	10	Unbiased	0.2744	0.2749	0.0005
20	10	Unbiased	0.2748	0.275	0.0002
21	30	Biased	0.2666	0.2681	0.0015
22	30	Biased	0.2674	0.2691	0.0017
23	30	Biased	0.2748	0.2755	0.0007
24	30	Biased	0.2758	0.2767	0.0009
25	30	Biased	0.2761	0.2769	0.0008
26	30	Unbiased	0.2672	0.2678	0.0006
27	30	Unbiased	0.2723	0.2735	0.0012
28	30	Unbiased	0.2663	0.2668	0.0005
29	30	Unbiased	0.2661	0.2664	0.0003
30	30	Unbiased	0.2764	0.2757	-0.0007
31	50	Biased	0.2637	0.2648	0.0011
32	50	Biased	0.2765	0.2786	0.0021
33	50	Biased	0.2682	0.2692	0.001
34	50	Biased	0.2656	0.2656	0
35	50	Biased	0.2733	0.2737	0.0004
36	50	Unbiased	0.2756	0.2773	0.0017
37	50	Unbiased	0.2667	0.2673	0.0006
38	50	Unbiased	0.2767	0.2768	0.0001
39	50	Unbiased	0.2686	0.2688	0.0002
40	50	Unbiased	0.2682	0.2693	0.0011
41	100	Biased	0.2758	0.2768	0.001
42	100	Biased	0.2676	0.2696	0.002
43	100	Biased	0.2668	0.2675	0.0007
44	100	Biased	0.2683	0.2697	0.0014
45	100	Biased	0.2693	0.2706	0.0013
46	100	Unbiased	0.266	0.2689	0.0029
47	100	Unbiased	0.2673	0.2682	0.0009
48	100	Unbiased	0.2759	0.277	0.0011
49	100	Unbiased	0.2751	0.2751	0
50	100	Unbiased	0.277	0.2796	0.0026
51	0	Correlation	0.2752	0.2745	-0.0007
52	0	Correlation	0.2749	0.2751	0.0002
53	0	Correlation	0.2742	0.274	-0.0002
54	0	Correlation	0.2748	0.275	0.0002
55	0	Correlation	0.2684	0.2669	-0.0015

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	0.2684	0.2735	0.2752	0.002874	0.2669	0.2731	0.2751	0.0034936	-0.0015	-0.0004	0.0002	0.00071764
3	0.2642	0.26924	0.2755	0.0043398	0.2646	0.26952	0.275	0.0042339	-0.0005	0.00028	0.0013	0.00052873
10	0.266	0.27212	0.2759	0.0039242	0.2661	0.2723	0.2754	0.0037029	-0.0009	0.00018	0.0007	0.00053083
30	0.2661	0.2709	0.2764	0.0045595	0.2664	0.27165	0.2769	0.0043808	-0.0007	0.00075	0.0017	0.00067371
50	0.2637	0.27031	0.2767	0.0047936	0.2648	0.27114	0.2786	0.0050601	0	0.00083	0.0021	0.00069929
100	0.266	0.27091	0.277	0.0044453	0.2675	0.2723	0.2796	0.0043693	0	0.00139	0.0029	0.00088248

Device Test: 5.62; DLY_TMR_10KOHM





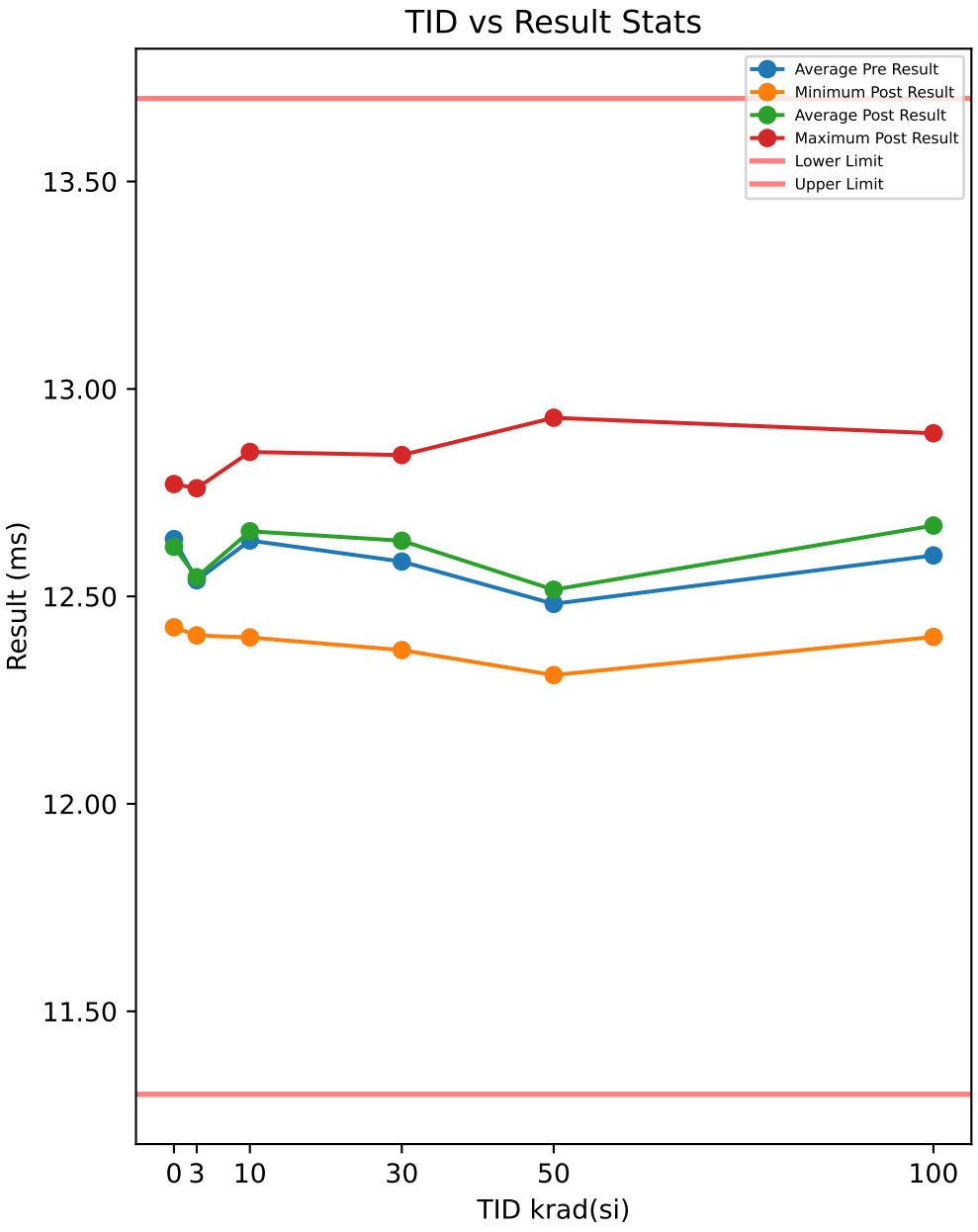
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

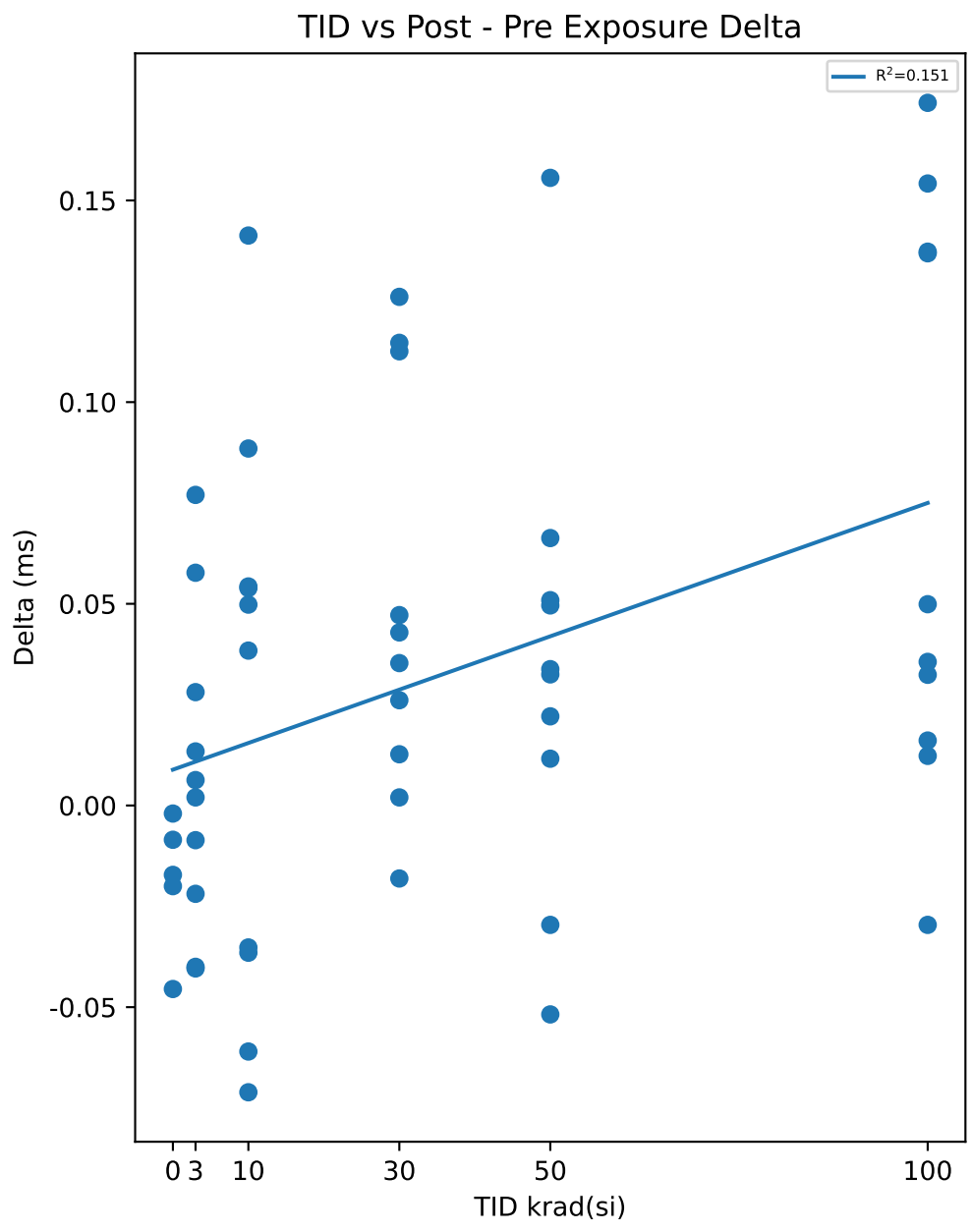
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2678	0.2694	0.0016
2	3	Biased	0.2677	0.2666	-0.0011
3	3	Biased	0.2739	0.275	0.0011
4	3	Biased	0.2754	0.2745	-0.0009
5	3	Biased	0.2739	0.2737	-0.0002
6	3	Unbiased	0.2666	0.2666	0
7	3	Unbiased	0.2731	0.2727	-0.0004
8	3	Unbiased	0.2661	0.2647	-0.0014
9	3	Unbiased	0.2642	0.2654	0.0012
10	3	Unbiased	0.2662	0.2665	0.0003
11	10	Biased	0.2748	0.2737	-0.0011
12	10	Biased	0.2686	0.2678	-0.0008
13	10	Biased	0.2669	0.2658	-0.0011
14	10	Biased	0.2756	0.2756	0
15	10	Biased	0.275	0.2759	0.0009
16	10	Unbiased	0.2745	0.2735	-0.001
17	10	Unbiased	0.2758	0.2766	0.0008
18	10	Unbiased	0.2674	0.2673	-0.0001
19	10	Unbiased	0.2759	0.2751	-0.0008
20	10	Unbiased	0.2741	0.2749	0.0008
21	30	Biased	0.2686	0.2684	-0.0002
22	30	Biased	0.268	0.2684	0.0004
23	30	Biased	0.2754	0.2737	-0.0017
24	30	Biased	0.2768	0.2774	0.0006
25	30	Biased	0.2763	0.2777	0.0014
26	30	Unbiased	0.2673	0.2671	-0.0002
27	30	Unbiased	0.2742	0.2753	0.0011
28	30	Unbiased	0.2662	0.2662	0
29	30	Unbiased	0.267	0.2677	0.0007
30	30	Unbiased	0.2765	0.2754	-0.0011
31	50	Biased	0.2641	0.2659	0.0018
32	50	Biased	0.2763	0.2783	0.002
33	50	Biased	0.2692	0.2704	0.0012
34	50	Biased	0.2671	0.2663	-0.0008
35	50	Biased	0.2736	0.274	0.0004
36	50	Unbiased	0.2773	0.2775	0.0002
37	50	Unbiased	0.2663	0.267	0.0007
38	50	Unbiased	0.2771	0.2772	0.0001
39	50	Unbiased	0.2696	0.2695	-0.0001
40	50	Unbiased	0.268	0.2692	0.0012
41	100	Biased	0.2772	0.2766	-0.0006
42	100	Biased	0.2678	0.2681	0.0003
43	100	Biased	0.2677	0.267	-0.0007
44	100	Biased	0.2684	0.2711	0.0027
45	100	Biased	0.2686	0.2701	0.0015
46	100	Unbiased	0.2657	0.2675	0.0018
47	100	Unbiased	0.2677	0.2679	0.0002
48	100	Unbiased	0.2752	0.2768	0.0016
49	100	Unbiased	0.2751	0.2751	0
50	100	Unbiased	0.276	0.2783	0.0023
51	0	Correlation	0.2754	0.2752	-0.0002
52	0	Correlation	0.2753	0.2744	-0.0009
53	0	Correlation	0.2754	0.2741	-0.0013
54	0	Correlation	0.2738	0.2744	0.0006
55	0	Correlation	0.2678	0.2674	-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	0.2678	0.27354	0.2754	0.0032799	0.2674	0.2731	0.2752	0.0032125	-0.0013	-0.00044	0.0006	0.00072319
3	0.2642	0.26949	0.2754	0.0041038	0.2647	0.26951	0.275	0.0040662	-0.0014	2e-05	0.0016	0.0010261
10	0.2669	0.27286	0.2759	0.0036734	0.2658	0.27262	0.2766	0.0040389	-0.0011	-0.00024	0.0009	0.0008316
30	0.2662	0.27163	0.2768	0.0045351	0.2662	0.27173	0.2777	0.0045743	-0.0017	0.0001	0.0014	0.00095801
50	0.2641	0.27086	0.2773	0.0048381	0.2659	0.27153	0.2783	0.0048319	-0.0008	0.00067	0.002	0.00088072
100	0.2657	0.27094	0.2772	0.0043523	0.267	0.27185	0.2783	0.0044091	-0.0007	0.00091	0.0027	0.001217

Device Test: 5.63; DLY_TMR_500KOHM





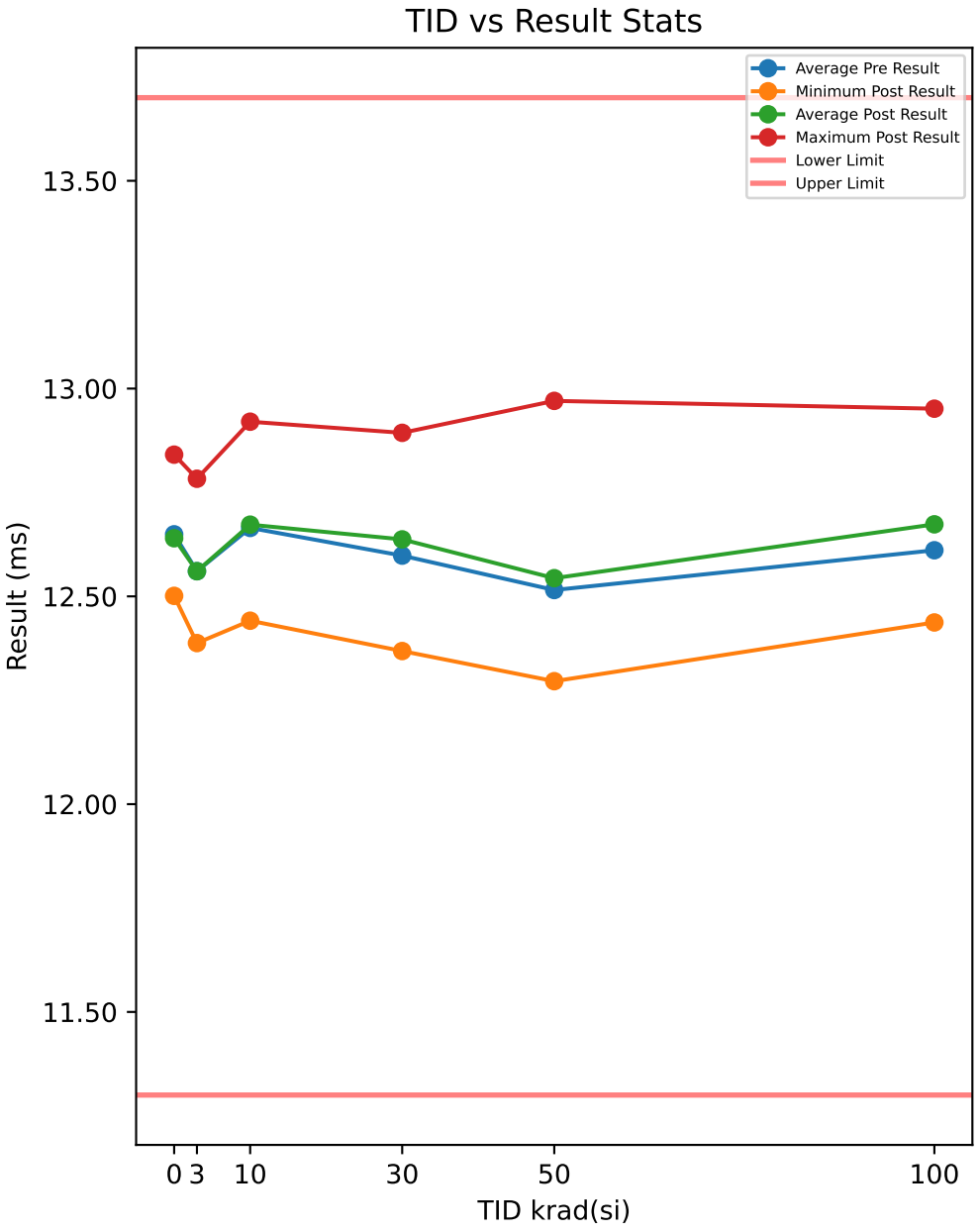
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

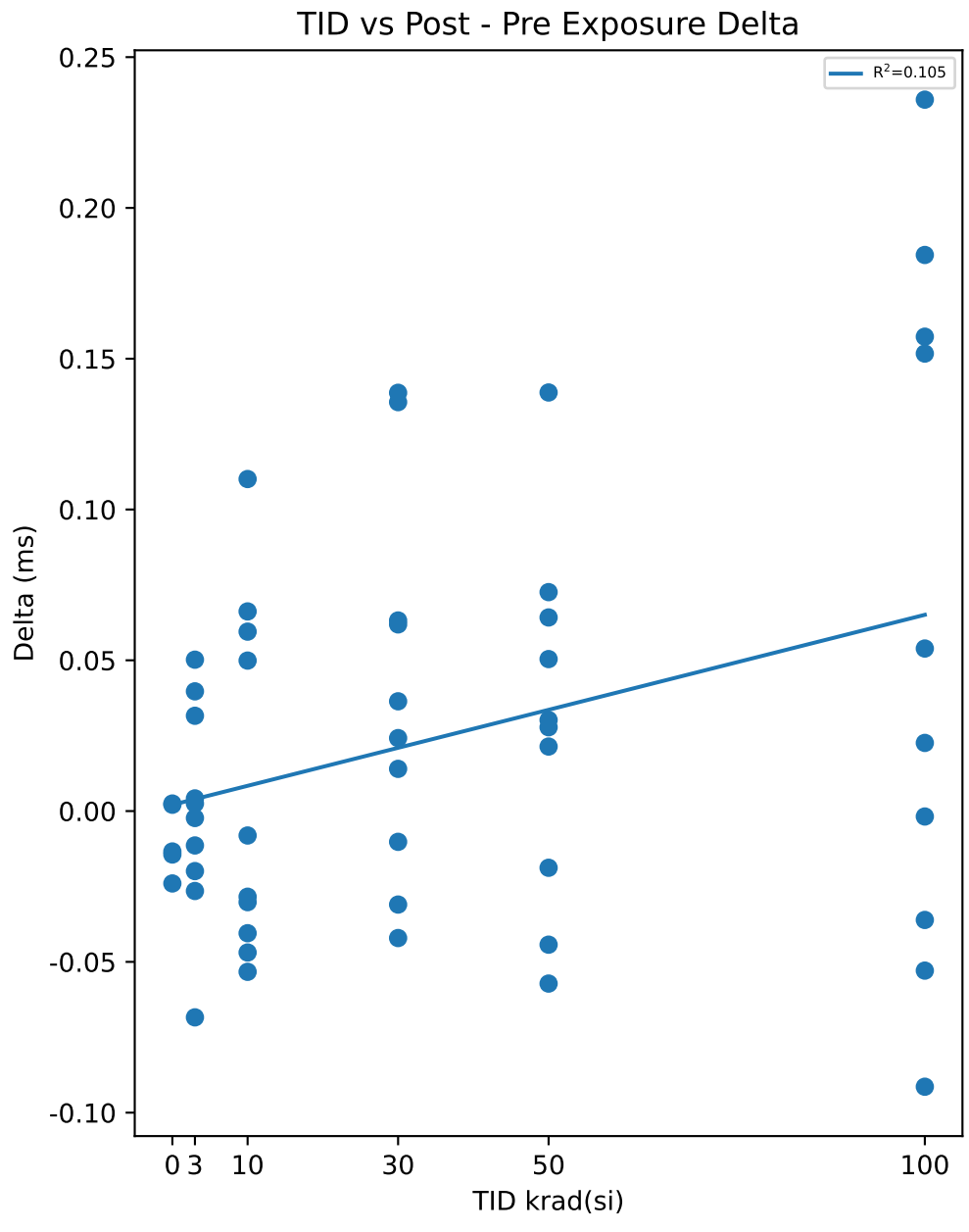
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.703	12.761	0.0577
2	3	Biased	12.491	12.482	-0.0086
3	3	Biased	12.636	12.614	-0.0219
4	3	Biased	12.743	12.745	0.002
5	3	Biased	12.594	12.553	-0.0404
6	3	Unbiased	12.329	12.406	0.077
7	3	Unbiased	12.453	12.413	-0.04
8	3	Unbiased	12.41	12.423	0.0134
9	3	Unbiased	12.58	12.608	0.0281
10	3	Unbiased	12.45	12.457	0.0063
11	10	Biased	12.498	12.553	0.0543
12	10	Biased	12.483	12.422	-0.061
13	10	Biased	12.438	12.401	-0.0365
14	10	Biased	12.793	12.847	0.0539
15	10	Biased	12.574	12.503	-0.0711
16	10	Unbiased	12.76	12.848	0.0885
17	10	Unbiased	12.686	12.828	0.1413
18	10	Unbiased	12.638	12.602	-0.0352
19	10	Unbiased	12.731	12.769	0.0384
20	10	Unbiased	12.746	12.796	0.0498
21	30	Biased	12.695	12.677	-0.0181
22	30	Biased	12.671	12.714	0.0429
23	30	Biased	12.458	12.46	0.002
24	30	Biased	12.65	12.697	0.0472
25	30	Biased	12.714	12.841	0.1261
26	30	Unbiased	12.628	12.654	0.0261
27	30	Unbiased	12.618	12.731	0.1126
28	30	Unbiased	12.358	12.37	0.0127
29	30	Unbiased	12.349	12.384	0.0353
30	30	Unbiased	12.699	12.813	0.1147
31	50	Biased	12.338	12.372	0.0338
32	50	Biased	12.775	12.931	0.1556
33	50	Biased	12.297	12.363	0.0663
34	50	Biased	12.299	12.31	0.0116
35	50	Biased	12.695	12.643	-0.0518
36	50	Unbiased	12.736	12.706	-0.0296
37	50	Unbiased	12.318	12.35	0.0325
38	50	Unbiased	12.685	12.736	0.0509
39	50	Unbiased	12.327	12.35	0.0221
40	50	Unbiased	12.351	12.401	0.0496
41	100	Biased	12.734	12.746	0.0123
42	100	Biased	12.569	12.604	0.0356
43	100	Biased	12.386	12.402	0.0161
44	100	Biased	12.436	12.486	0.0499
45	100	Biased	12.522	12.492	-0.0296
46	100	Unbiased	12.712	12.849	0.1373
47	100	Unbiased	12.517	12.654	0.1369
48	100	Unbiased	12.683	12.837	0.1542
49	100	Unbiased	12.71	12.742	0.0324
50	100	Unbiased	12.719	12.893	0.1742
51	0	Correlation	12.498	12.496	-0.002
52	0	Correlation	12.788	12.771	-0.0172
53	0	Correlation	12.754	12.708	-0.0455
54	0	Correlation	12.705	12.696	-0.0085
55	0	Correlation	12.445	12.425	-0.02

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	12.445	12.638	12.788	0.15564	12.425	12.619	12.771	0.14953	-0.0455	-0.01864	-0.002	0.016621
3	12.329	12.539	12.743	0.13374	12.406	12.546	12.761	0.13276	-0.0404	0.00736	0.077	0.038752
10	12.438	12.635	12.793	0.12872	12.401	12.657	12.848	0.18009	-0.0711	0.02224	0.1413	0.069927
30	12.349	12.584	12.714	0.14142	12.37	12.634	12.841	0.16968	-0.0181	0.05015	0.1261	0.050634
50	12.297	12.482	12.775	0.20902	12.31	12.516	12.931	0.21789	-0.0518	0.0341	0.1556	0.056185
100	12.386	12.599	12.734	0.12914	12.402	12.671	12.893	0.17078	-0.0296	0.07193	0.1742	0.071547

Device Test: 5.64; DLY_TMR_500KOHM





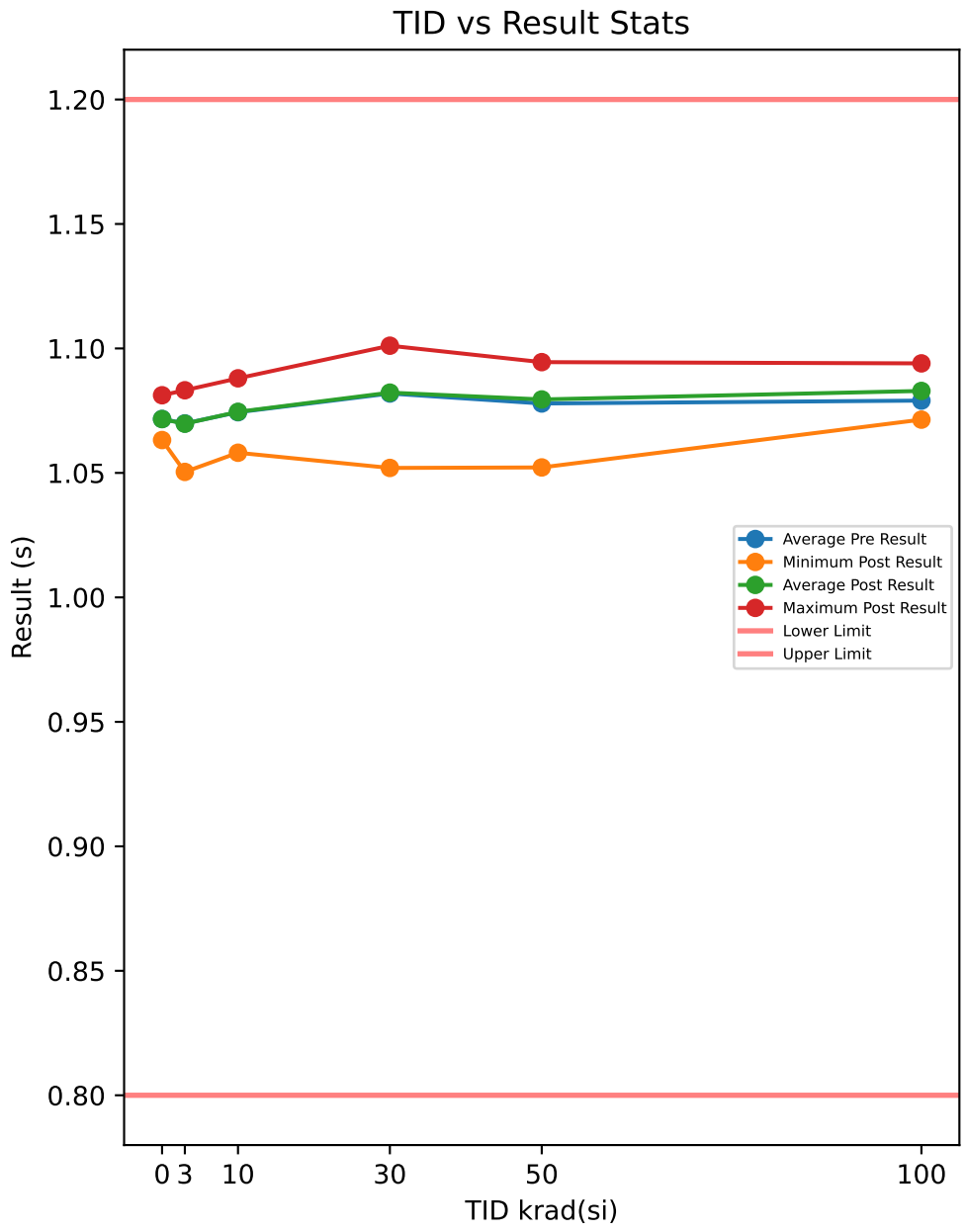
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.753	12.726	-0.0265
2	3	Biased	12.553	12.551	-0.0023
3	3	Biased	12.588	12.592	0.0042
4	3	Biased	12.794	12.783	-0.0114
5	3	Biased	12.558	12.608	0.0502
6	3	Unbiased	12.356	12.388	0.0316
7	3	Unbiased	12.502	12.505	0.0025
8	3	Unbiased	12.459	12.39	-0.0684
9	3	Unbiased	12.539	12.579	0.0397
10	3	Unbiased	12.504	12.484	-0.0199
11	10	Biased	12.55	12.509	-0.0405
12	10	Biased	12.534	12.481	-0.0533
13	10	Biased	12.488	12.441	-0.0469
14	10	Biased	12.843	12.893	0.0499
15	10	Biased	12.529	12.501	-0.0284
16	10	Unbiased	12.81	12.92	0.1101
17	10	Unbiased	12.738	12.804	0.0662
18	10	Unbiased	12.588	12.579	-0.0081
19	10	Unbiased	12.768	12.738	-0.0302
20	10	Unbiased	12.799	12.859	0.0595
21	30	Biased	12.647	12.616	-0.031
22	30	Biased	12.621	12.684	0.0632
23	30	Biased	12.509	12.499	-0.0102
24	30	Biased	12.689	12.751	0.0619
25	30	Biased	12.755	12.893	0.1387
26	30	Unbiased	12.58	12.604	0.0242
27	30	Unbiased	12.639	12.653	0.014
28	30	Unbiased	12.411	12.368	-0.0421
29	30	Unbiased	12.4	12.437	0.0364
30	30	Unbiased	12.73	12.866	0.1356
31	50	Biased	12.39	12.455	0.0642
32	50	Biased	12.832	12.97	0.1388
33	50	Biased	12.349	12.33	-0.0188
34	50	Biased	12.353	12.296	-0.0572
35	50	Biased	12.667	12.623	-0.0443
36	50	Unbiased	12.685	12.758	0.0726
37	50	Unbiased	12.368	12.398	0.0302
38	50	Unbiased	12.724	12.774	0.0504
39	50	Unbiased	12.38	12.402	0.0214
40	50	Unbiased	12.403	12.431	0.0278
41	100	Biased	12.787	12.734	-0.0529
42	100	Biased	12.522	12.544	0.0226
43	100	Biased	12.439	12.437	-0.0018
44	100	Biased	12.491	12.455	-0.0361
45	100	Biased	12.477	12.531	0.0539
46	100	Unbiased	12.666	12.818	0.1517
47	100	Unbiased	12.468	12.704	0.2359
48	100	Unbiased	12.735	12.892	0.1573
49	100	Unbiased	12.758	12.667	-0.0914
50	100	Unbiased	12.767	12.952	0.1844
51	0	Correlation	12.548	12.534	-0.0144
52	0	Correlation	12.838	12.841	0.0025
53	0	Correlation	12.704	12.691	-0.0134
54	0	Correlation	12.656	12.632	-0.024
55	0	Correlation	12.499	12.501	0.0021

Test Statistics (ms)

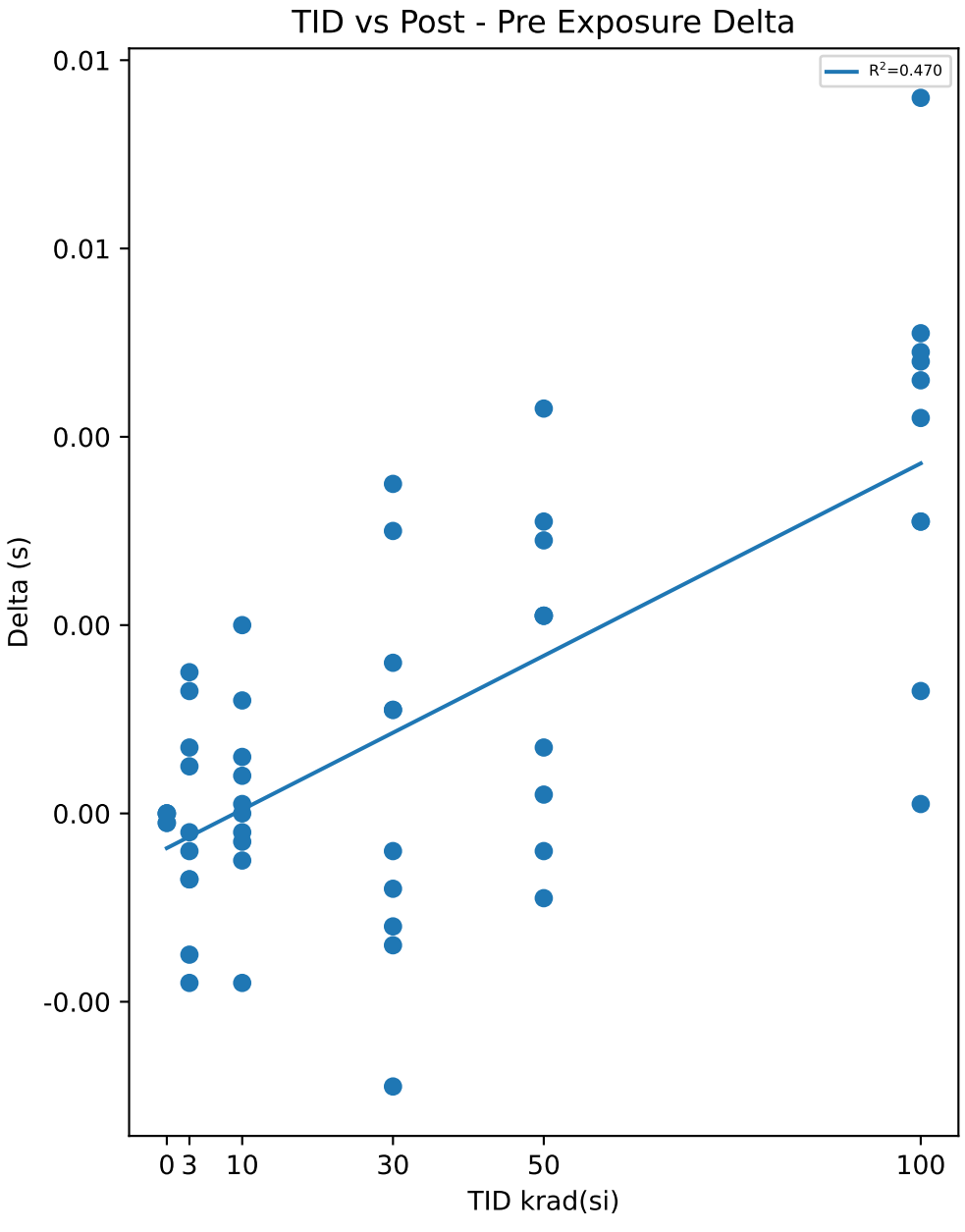
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.499	12.649	12.838	0.13379	12.501	12.64	12.841	0.13559	-0.024	-0.00944	0.0025	0.011489
3	12.356	12.561	12.794	0.12985	12.388	12.561	12.783	0.12847	-0.0684	-3e-05	0.0502	0.035009
10	12.488	12.665	12.843	0.13856	12.441	12.673	12.92	0.18891	-0.0533	0.00783	0.1101	0.058106
30	12.4	12.598	12.755	0.12348	12.368	12.637	12.893	0.172	-0.0421	0.03907	0.1387	0.062477
50	12.349	12.515	12.832	0.1878	12.296	12.544	12.97	0.22515	-0.0572	0.02851	0.1388	0.0585
100	12.439	12.611	12.787	0.14358	12.437	12.673	12.952	0.17981	-0.0914	0.06236	0.2359	0.11274

Device Test: 5.65; WD_TMR_500KOHM



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

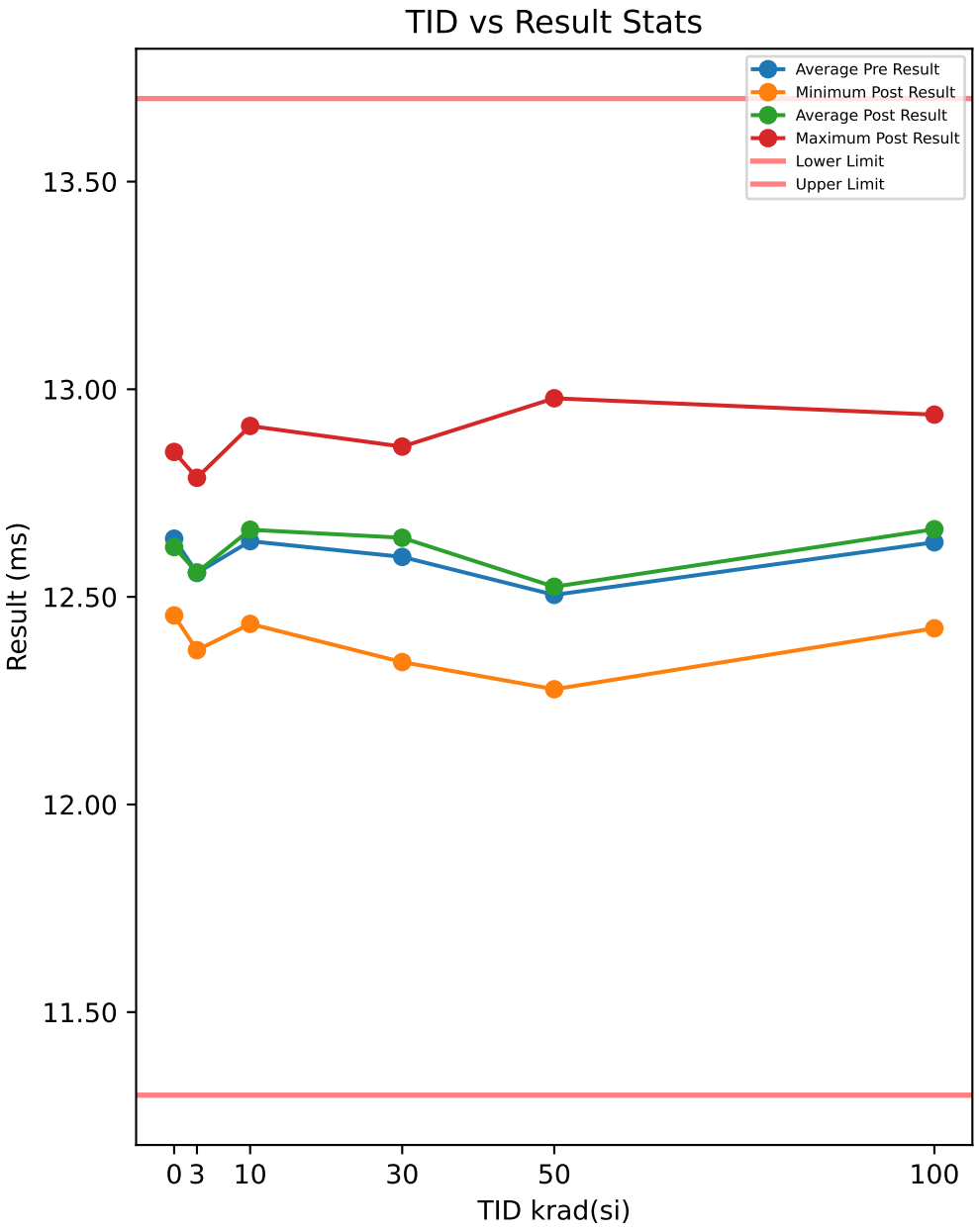
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.0825	1.0832	0.0007
2	3	Biased	1.0491	1.0504	0.0013
3	3	Biased	1.0746	1.0728	-0.0018
4	3	Biased	1.0759	1.0744	-0.0015
5	3	Biased	1.0819	1.0815	-0.0004
6	3	Unbiased	1.0726	1.0724	-0.0002
7	3	Unbiased	1.0649	1.0654	0.0005
8	3	Unbiased	1.0639	1.0654	0.0015
9	3	Unbiased	1.0694	1.0687	-0.0007
10	3	Unbiased	1.0641	1.0634	-0.0007
11	10	Biased	1.0729	1.073	0.0001
12	10	Biased	1.0765	1.0762	-0.0003
13	10	Biased	1.0789	1.0787	-0.0002
14	10	Biased	1.088	1.088	0
15	10	Biased	1.0606	1.0626	0.002
16	10	Unbiased	1.0814	1.0809	-0.0005
17	10	Unbiased	1.0818	1.083	0.0012
18	10	Unbiased	1.0715	1.0721	0.0006
19	10	Unbiased	1.0577	1.0581	0.0004
20	10	Unbiased	1.0745	1.0727	-0.0018
21	30	Biased	1.0879	1.0875	-0.0004
22	30	Biased	1.0866	1.0854	-0.0012
23	30	Biased	1.076	1.0752	-0.0008
24	30	Biased	1.0837	1.0823	-0.0014
25	30	Biased	1.0509	1.052	0.0011
26	30	Unbiased	1.076	1.0771	0.0011
27	30	Unbiased	1.0762	1.0792	0.003
28	30	Unbiased	1.104	1.1011	-0.0029
29	30	Unbiased	1.0809	1.0825	0.0016
30	30	Unbiased	1.0967	1.1002	0.0035
31	50	Biased	1.0526	1.0522	-0.0004
32	50	Biased	1.0795	1.0816	0.0021
33	50	Biased	1.0882	1.0884	0.0002
34	50	Biased	1.0738	1.0729	-0.0009
35	50	Biased	1.0829	1.085	0.0021
36	50	Unbiased	1.0739	1.0746	0.0007
37	50	Unbiased	1.0762	1.0805	0.0043
38	50	Unbiased	1.0886	1.0915	0.0029
39	50	Unbiased	1.0914	1.0945	0.0031
40	50	Unbiased	1.0718	1.0739	0.0021
41	100	Biased	1.0909	1.094	0.0031
42	100	Biased	1.0792	1.0823	0.0031
43	100	Biased	1.0722	1.0773	0.0051
44	100	Biased	1.0884	1.0885	0.0001
45	100	Biased	1.0814	1.086	0.0046
46	100	Unbiased	1.0859	1.0872	0.0013
47	100	Unbiased	1.0787	1.0863	0.0076
48	100	Unbiased	1.0697	1.0746	0.0049
49	100	Unbiased	1.0672	1.0714	0.0042
50	100	Unbiased	1.0769	1.0817	0.0048
51	0	Correlation	1.0774	1.0774	0
52	0	Correlation	1.0632	1.0632	0
53	0	Correlation	1.0668	1.0668	0
54	0	Correlation	1.0813	1.0812	-0.0001
55	0	Correlation	1.0696	1.0695	-0.0001

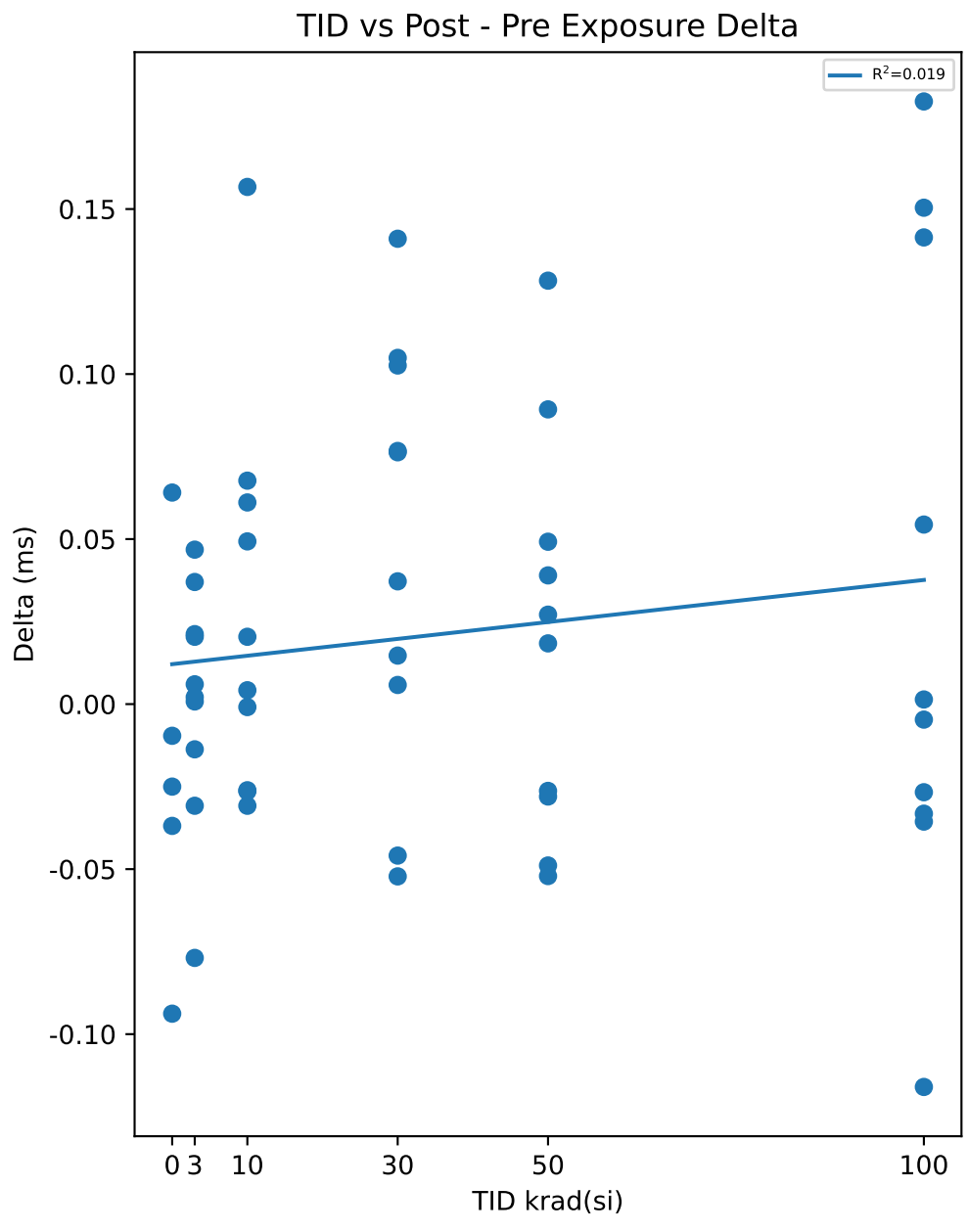


Test Statistics (s)

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	1.0632	1.0717	1.0813	0.0075052	1.0632	1.0716	1.0812	0.0074801	-0.0001	-4e-05	0	5.4772e-05
3	1.0491	1.0699	1.0825	0.0099759	1.0504	1.0698	1.0832	0.0094904	-0.0018	-0.00013	0.0015	0.0011146
10	1.0577	1.0744	1.088	0.009389	1.0581	1.0745	1.088	0.0090542	-0.0018	0.00015	0.002	0.0010201
30	1.0509	1.0819	1.104	0.014271	1.052	1.0822	1.1011	0.013807	-0.0029	0.00036	0.0035	0.0020424
50	1.0526	1.0779	1.0914	0.011271	1.0522	1.0795	1.0945	0.012148	-0.0009	0.00162	0.0043	0.0016665
100	1.0672	1.0791	1.0909	0.0078869	1.0714	1.0829	1.094	0.0069002	0.0001	0.00388	0.0076	0.0021081

Device Test: 5.66; DLY_TMR_500KOHM





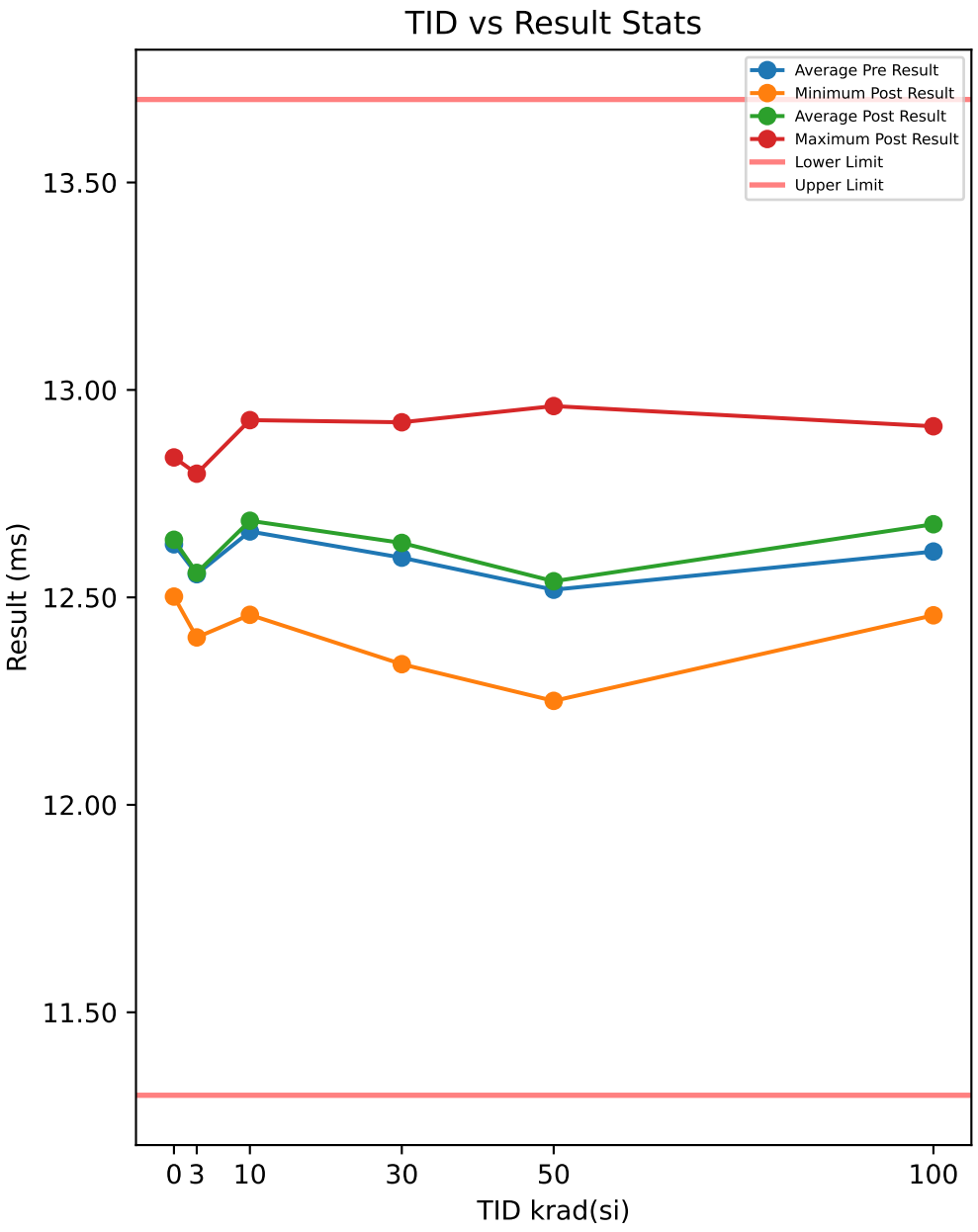
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

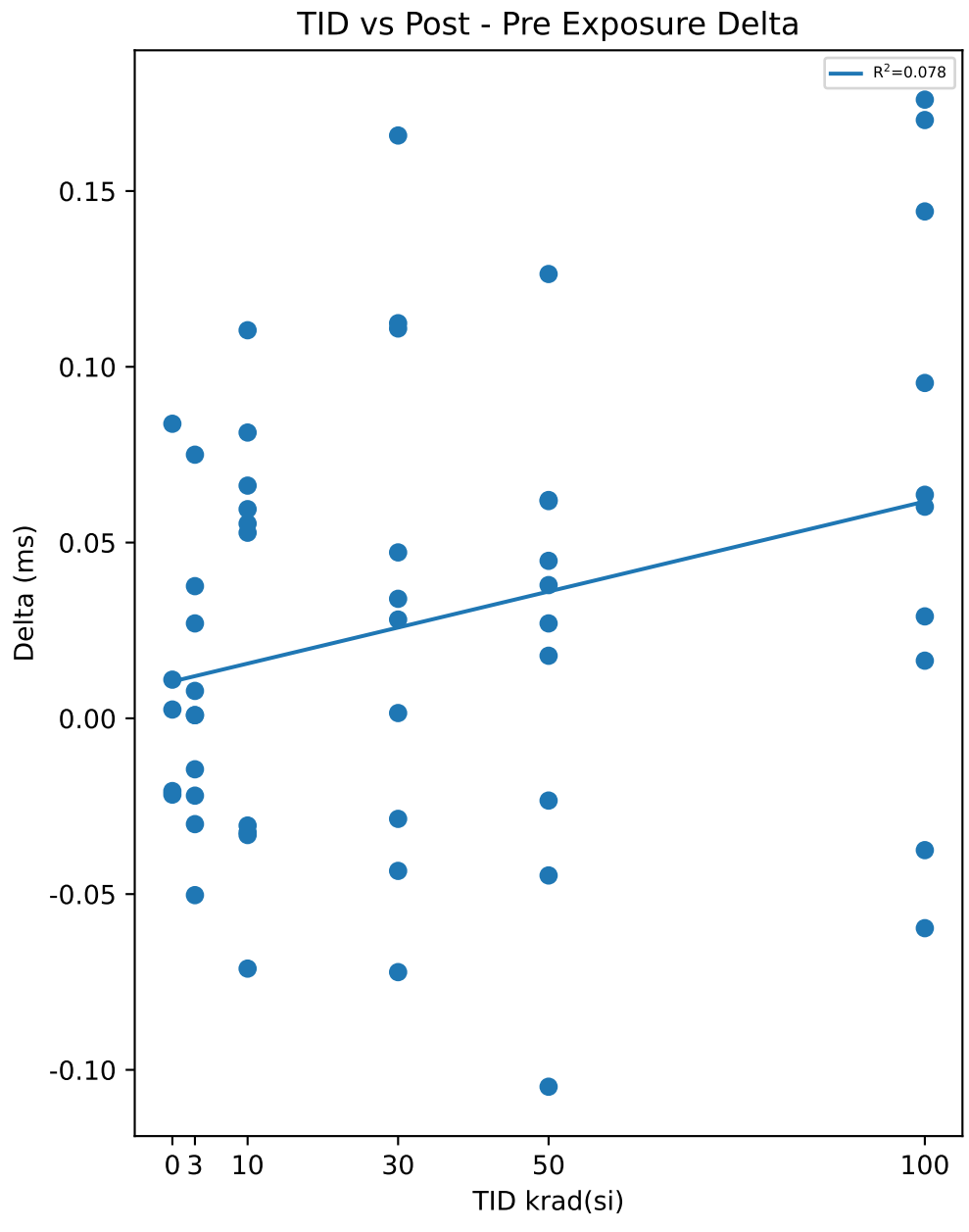
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.758	12.744	-0.0137
2	3	Biased	12.487	12.508	0.0212
3	3	Biased	12.655	12.624	-0.0308
4	3	Biased	12.74	12.787	0.0468
5	3	Biased	12.594	12.517	-0.0769
6	3	Unbiased	12.37	12.372	0.0021
7	3	Unbiased	12.503	12.509	0.006
8	3	Unbiased	12.396	12.433	0.037
9	3	Unbiased	12.608	12.628	0.0204
10	3	Unbiased	12.467	12.468	0.0008
11	10	Biased	12.492	12.497	0.0042
12	10	Biased	12.445	12.445	-0.0009
13	10	Biased	12.466	12.435	-0.0308
14	10	Biased	12.822	12.889	0.0677
15	10	Biased	12.52	12.494	-0.0264
16	10	Unbiased	12.755	12.912	0.1567
17	10	Unbiased	12.727	12.789	0.0611
18	10	Unbiased	12.613	12.587	-0.0261
19	10	Unbiased	12.747	12.768	0.0204
20	10	Unbiased	12.753	12.802	0.0493
21	30	Biased	12.613	12.69	0.0767
22	30	Biased	12.692	12.697	0.0058
23	30	Biased	12.469	12.484	0.0147
24	30	Biased	12.681	12.758	0.0763
25	30	Biased	12.721	12.862	0.141
26	30	Unbiased	12.655	12.609	-0.0459
27	30	Unbiased	12.629	12.734	0.1049
28	30	Unbiased	12.395	12.343	-0.0522
29	30	Unbiased	12.355	12.392	0.0372
30	30	Unbiased	12.753	12.856	0.1026
31	50	Biased	12.358	12.376	0.0184
32	50	Biased	12.85	12.978	0.1283
33	50	Biased	12.33	12.278	-0.0521
34	50	Biased	12.328	12.3	-0.028
35	50	Biased	12.724	12.675	-0.0489
36	50	Unbiased	12.653	12.702	0.0492
37	50	Unbiased	12.363	12.337	-0.0263
38	50	Unbiased	12.742	12.769	0.0271
39	50	Unbiased	12.334	12.423	0.0893
40	50	Unbiased	12.367	12.406	0.039
41	100	Biased	12.82	12.704	-0.116
42	100	Biased	12.6	12.573	-0.0267
43	100	Biased	12.429	12.424	-0.0047
44	100	Biased	12.469	12.471	0.0014
45	100	Biased	12.51	12.475	-0.0356
46	100	Unbiased	12.69	12.84	0.1504
47	100	Unbiased	12.544	12.685	0.1414
48	100	Unbiased	12.775	12.829	0.0544
49	100	Unbiased	12.721	12.688	-0.0332
50	100	Unbiased	12.756	12.939	0.1826
51	0	Correlation	12.511	12.502	-0.0096
52	0	Correlation	12.785	12.849	0.0641
53	0	Correlation	12.713	12.676	-0.0369
54	0	Correlation	12.711	12.618	-0.0938
55	0	Correlation	12.48	12.455	-0.025

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	12.48	12.64	12.785	0.13558	12.455	12.62	12.849	0.15551	-0.0938	-0.02024	0.0641	0.056872
3	12.37	12.558	12.758	0.13511	12.372	12.559	12.787	0.13386	-0.0769	0.00129	0.0468	0.035745
10	12.445	12.634	12.822	0.14244	12.435	12.662	12.912	0.18876	-0.0308	0.02752	0.1567	0.058204
30	12.355	12.596	12.753	0.13993	12.343	12.642	12.862	0.18238	-0.0522	0.04611	0.141	0.065252
50	12.328	12.505	12.85	0.21008	12.278	12.524	12.978	0.23872	-0.0521	0.0196	0.1283	0.059805
100	12.429	12.631	12.82	0.13896	12.424	12.663	12.939	0.17488	-0.116	0.0314	0.1826	0.097536

Device Test: 5.67; DLY_TMR_500KOHM





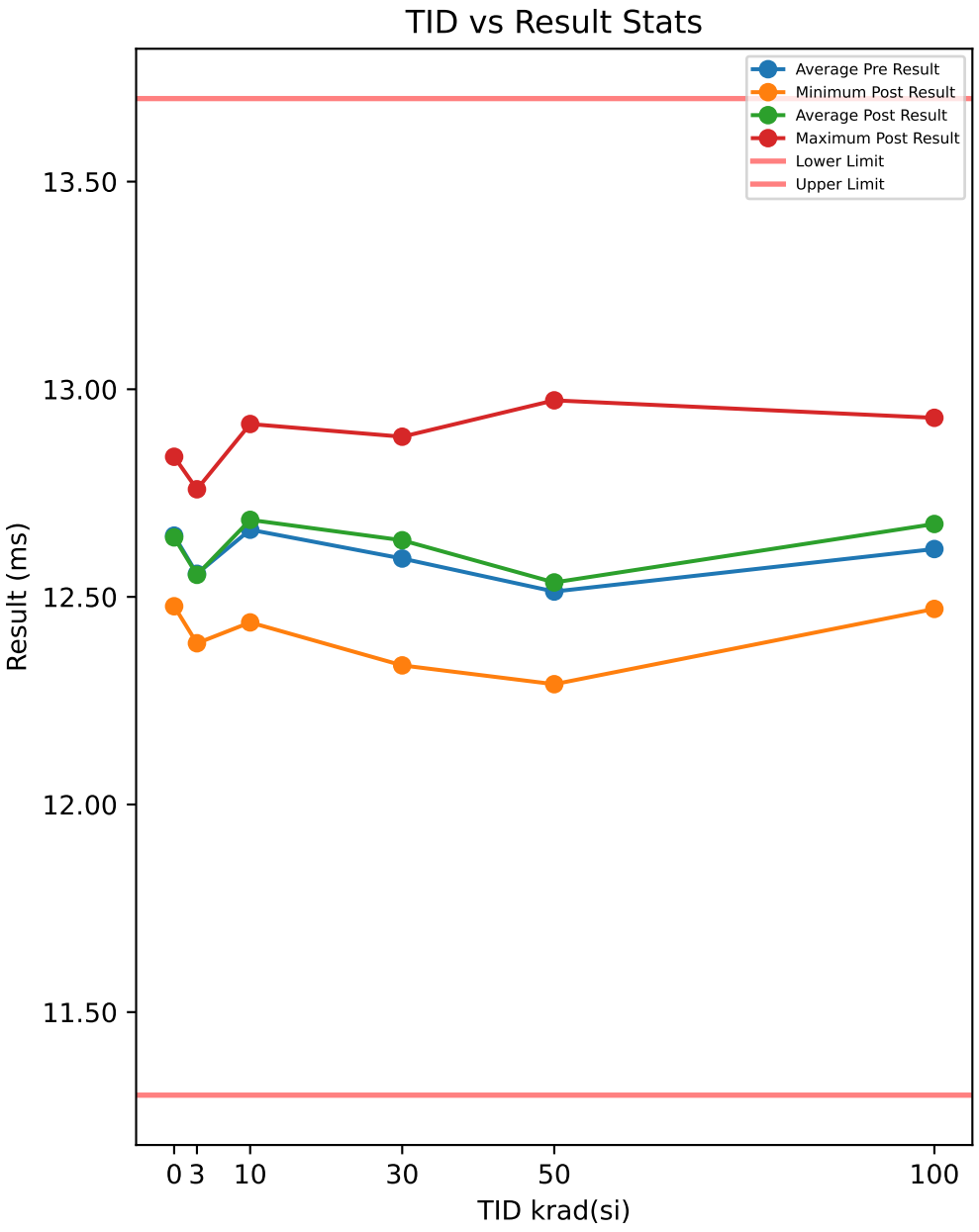
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

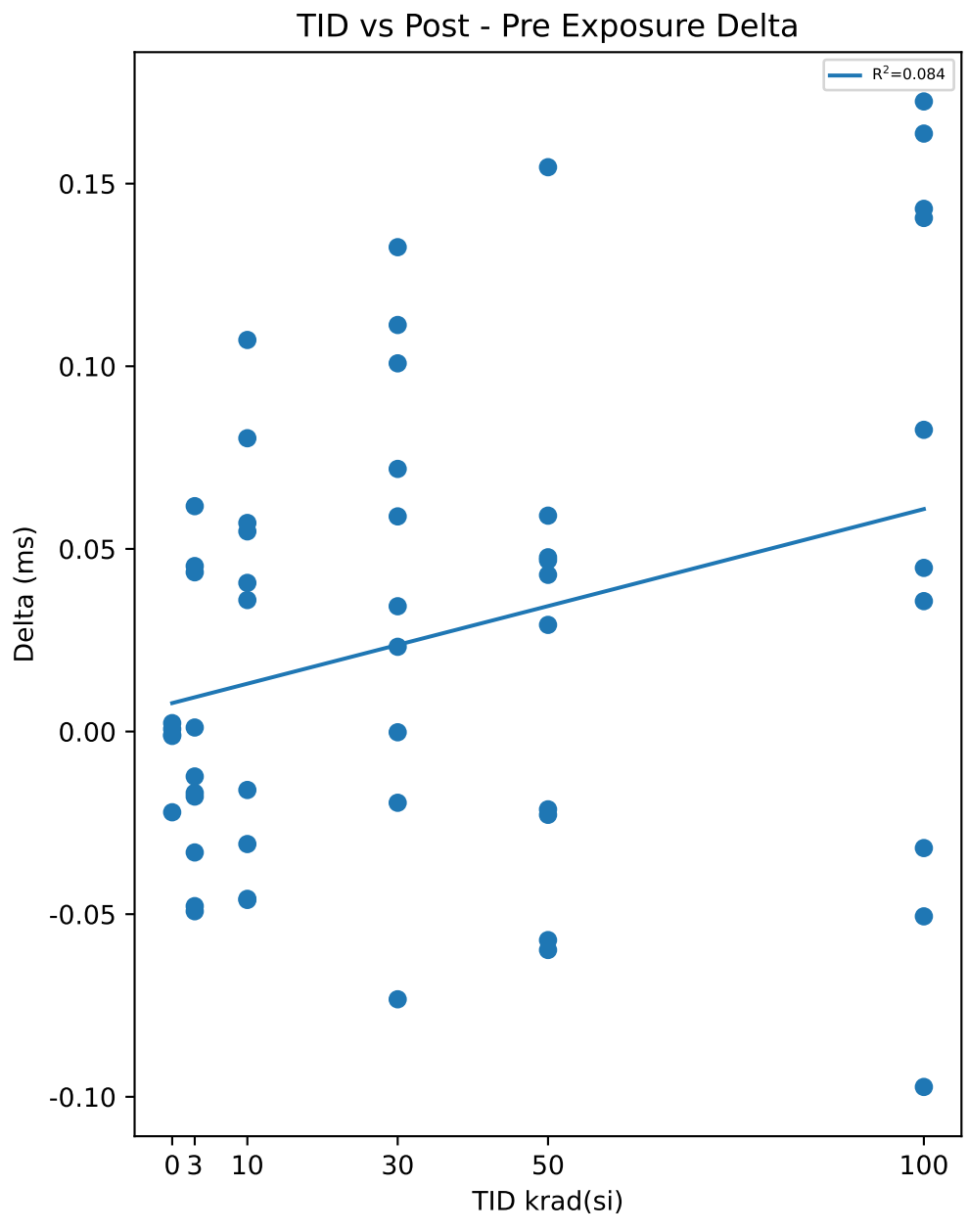
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.757	12.742	-0.0145
2	3	Biased	12.46	12.467	0.0078
3	3	Biased	12.585	12.661	0.075
4	3	Biased	12.797	12.798	0.0009
5	3	Biased	12.56	12.53	-0.0301
6	3	Unbiased	12.377	12.403	0.027
7	3	Unbiased	12.507	12.508	0.0009
8	3	Unbiased	12.465	12.415	-0.0503
9	3	Unbiased	12.543	12.58	0.0376
10	3	Unbiased	12.509	12.487	-0.022
11	10	Biased	12.454	12.509	0.0554
12	10	Biased	12.54	12.507	-0.0332
13	10	Biased	12.49	12.458	-0.0324
14	10	Biased	12.846	12.927	0.0813
15	10	Biased	12.532	12.501	-0.0305
16	10	Unbiased	12.81	12.92	0.1104
17	10	Unbiased	12.739	12.805	0.0662
18	10	Unbiased	12.594	12.647	0.0528
19	10	Unbiased	12.784	12.713	-0.0712
20	10	Unbiased	12.8	12.859	0.0595
21	30	Biased	12.649	12.606	-0.0434
22	30	Biased	12.629	12.676	0.0472
23	30	Biased	12.512	12.484	-0.0286
24	30	Biased	12.689	12.723	0.034
25	30	Biased	12.756	12.922	0.1658
26	30	Unbiased	12.584	12.586	0.0015
27	30	Unbiased	12.572	12.684	0.1124
28	30	Unbiased	12.411	12.339	-0.0722
29	30	Unbiased	12.404	12.432	0.0281
30	30	Unbiased	12.75	12.861	0.1109
31	50	Biased	12.393	12.456	0.0621
32	50	Biased	12.835	12.961	0.1264
33	50	Biased	12.355	12.332	-0.0234
34	50	Biased	12.355	12.251	-0.1048
35	50	Biased	12.67	12.625	-0.0447
36	50	Unbiased	12.688	12.733	0.0448
37	50	Unbiased	12.374	12.401	0.027
38	50	Unbiased	12.723	12.785	0.0618
39	50	Unbiased	12.383	12.401	0.0178
40	50	Unbiased	12.407	12.445	0.0379
41	100	Biased	12.788	12.728	-0.0597
42	100	Biased	12.525	12.554	0.029
43	100	Biased	12.44	12.457	0.0164
44	100	Biased	12.492	12.552	0.0602
45	100	Biased	12.479	12.543	0.0636
46	100	Unbiased	12.67	12.841	0.1702
47	100	Unbiased	12.47	12.614	0.1442
48	100	Unbiased	12.736	12.912	0.176
49	100	Unbiased	12.732	12.695	-0.0375
50	100	Unbiased	12.771	12.867	0.0954
51	0	Correlation	12.454	12.537	0.0838
52	0	Correlation	12.835	12.837	0.0025
53	0	Correlation	12.704	12.683	-0.0207
54	0	Correlation	12.656	12.635	-0.0217
55	0	Correlation	12.491	12.502	0.011

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	12.454	12.628	12.835	0.15693	12.502	12.639	12.837	0.13265	-0.0217	0.01098	0.0838	0.043146
3	12.377	12.556	12.797	0.13079	12.403	12.559	12.798	0.13481	-0.0503	0.00323	0.075	0.036295
10	12.454	12.659	12.846	0.15088	12.458	12.685	12.927	0.18536	-0.0712	0.02583	0.1104	0.061515
30	12.404	12.596	12.756	0.12497	12.339	12.631	12.922	0.18257	-0.0722	0.03557	0.1658	0.075909
50	12.355	12.518	12.835	0.18682	12.251	12.539	12.961	0.22701	-0.1048	0.02049	0.1264	0.064526
100	12.44	12.61	12.788	0.14094	12.457	12.676	12.912	0.15711	-0.0597	0.06578	0.176	0.081866

Device Test: 5.68; DLY_TMR_500KOHM





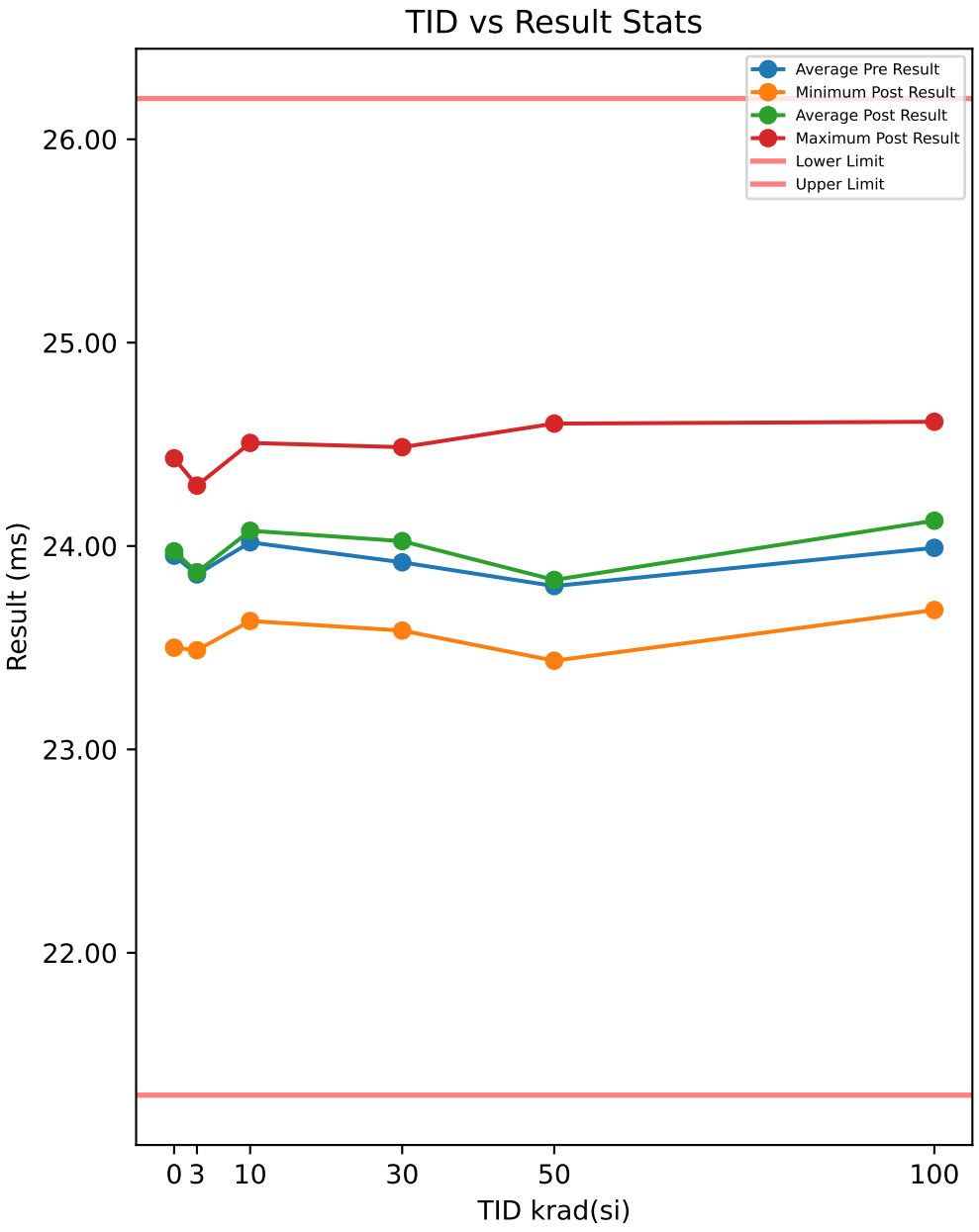
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

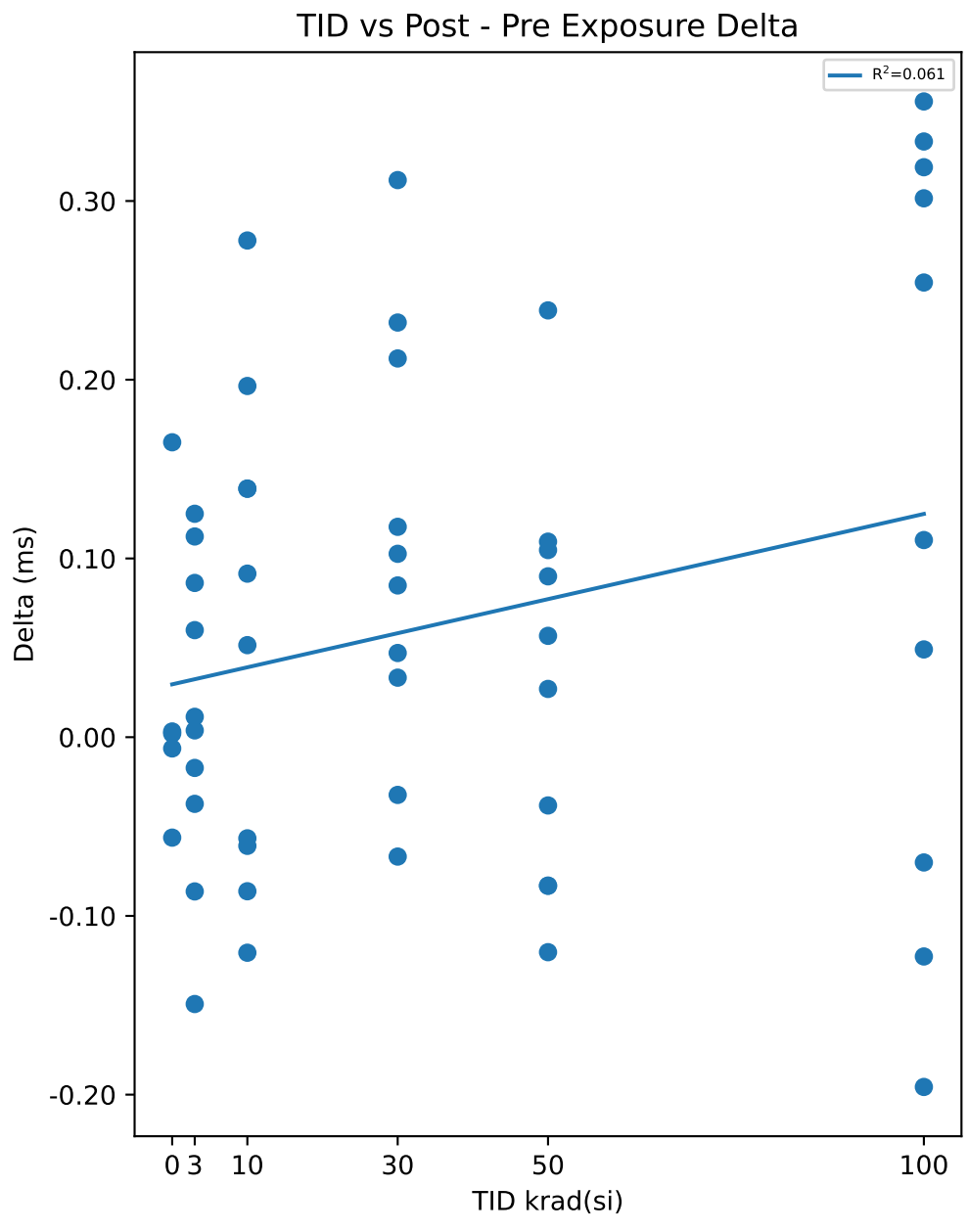
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.753	12.735	-0.0178
2	3	Biased	12.553	12.541	-0.0123
3	3	Biased	12.587	12.588	0.0011
4	3	Biased	12.792	12.759	-0.0331
5	3	Biased	12.557	12.603	0.0453
6	3	Unbiased	12.327	12.388	0.0617
7	3	Unbiased	12.502	12.485	-0.0168
8	3	Unbiased	12.459	12.411	-0.0478
9	3	Unbiased	12.524	12.567	0.0436
10	3	Unbiased	12.502	12.453	-0.0492
11	10	Biased	12.549	12.59	0.0407
12	10	Biased	12.534	12.503	-0.0308
13	10	Biased	12.485	12.438	-0.0461
14	10	Biased	12.835	12.893	0.0571
15	10	Biased	12.522	12.558	0.036
16	10	Unbiased	12.809	12.916	0.1072
17	10	Unbiased	12.719	12.799	0.0803
18	10	Unbiased	12.587	12.571	-0.016
19	10	Unbiased	12.78	12.735	-0.0458
20	10	Unbiased	12.797	12.852	0.0548
21	30	Biased	12.645	12.626	-0.0195
22	30	Biased	12.623	12.695	0.0719
23	30	Biased	12.508	12.508	-0.0002
24	30	Biased	12.688	12.747	0.0589
25	30	Biased	12.753	12.886	0.1326
26	30	Unbiased	12.58	12.603	0.0232
27	30	Unbiased	12.569	12.68	0.1113
28	30	Unbiased	12.408	12.335	-0.0733
29	30	Unbiased	12.401	12.435	0.0343
30	30	Unbiased	12.749	12.85	0.1008
31	50	Biased	12.387	12.447	0.0591
32	50	Biased	12.819	12.973	0.1545
33	50	Biased	12.35	12.328	-0.0213
34	50	Biased	12.35	12.29	-0.0598
35	50	Biased	12.665	12.608	-0.0571
36	50	Unbiased	12.685	12.728	0.0429
37	50	Unbiased	12.369	12.398	0.0292
38	50	Unbiased	12.722	12.769	0.0477
39	50	Unbiased	12.381	12.358	-0.0228
40	50	Unbiased	12.402	12.449	0.0469
41	100	Biased	12.782	12.731	-0.0506
42	100	Biased	12.518	12.554	0.0357
43	100	Biased	12.426	12.471	0.0448
44	100	Biased	12.466	12.549	0.0826
45	100	Biased	12.572	12.54	-0.0319
46	100	Unbiased	12.663	12.806	0.1431
47	100	Unbiased	12.468	12.641	0.1725
48	100	Unbiased	12.73	12.871	0.1406
49	100	Unbiased	12.758	12.661	-0.0973
50	100	Unbiased	12.768	12.931	0.1637
51	0	Correlation	12.543	12.545	0.0023
52	0	Correlation	12.837	12.837	0.0007
53	0	Correlation	12.704	12.703	-0.0012
54	0	Correlation	12.654	12.653	-0.0009
55	0	Correlation	12.499	12.477	-0.0221

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	12.647	12.837	0.13402	12.477	12.643	12.837	0.14003	-0.0221	-0.00424	0.0023	0.010082
3	12.327	12.556	12.792	0.13513	12.388	12.553	12.759	0.12537	-0.0492	-0.00253	0.0617	0.039789
10	12.485	12.662	12.835	0.13864	12.438	12.685	12.916	0.17379	-0.0461	0.02374	0.1072	0.054719
30	12.401	12.592	12.753	0.12535	12.335	12.636	12.886	0.17453	-0.0733	0.044	0.1326	0.064012
50	12.35	12.513	12.819	0.18542	12.29	12.535	12.973	0.22553	-0.0598	0.02193	0.1545	0.064577
100	12.426	12.615	12.782	0.14057	12.471	12.676	12.931	0.15495	-0.0973	0.06032	0.1725	0.096358

Device Test: 5.69; DLY_TMR_1MOHM





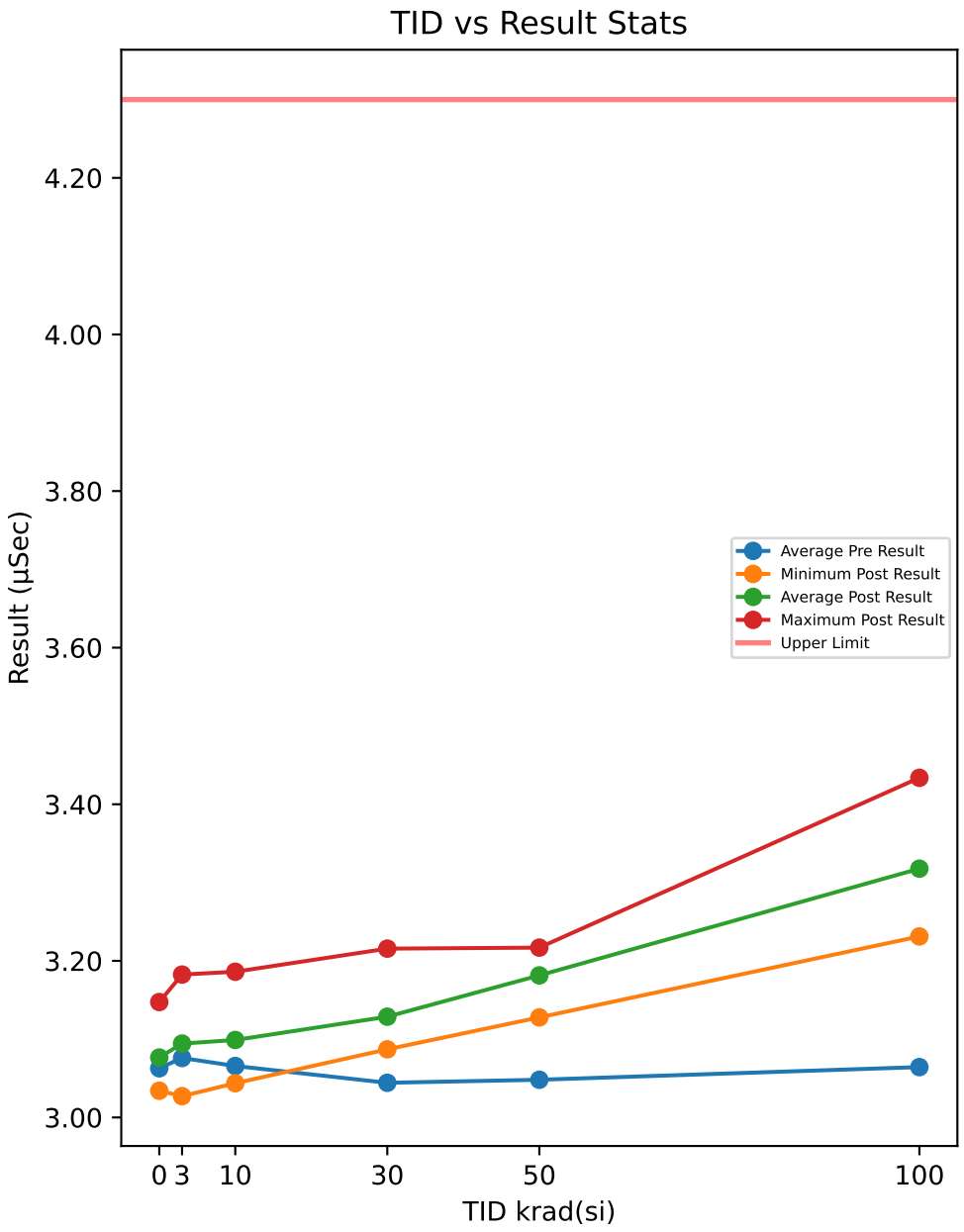
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	24.334	24.297	-0.0373
2	3	Biased	23.827	23.839	0.0114
3	3	Biased	23.85	23.854	0.0038
4	3	Biased	24.287	24.269	-0.0172
5	3	Biased	23.819	23.733	-0.0863
6	3	Unbiased	23.637	23.488	-0.1493
7	3	Unbiased	23.535	23.66	0.125
8	3	Unbiased	23.596	23.656	0.0599
9	3	Unbiased	24.047	24.133	0.0863
10	3	Unbiased	23.672	23.784	0.1123
11	10	Biased	23.549	23.827	0.2779
12	10	Biased	23.718	23.631	-0.0862
13	10	Biased	23.689	23.632	-0.0566
14	10	Biased	24.354	24.492	0.139
15	10	Biased	23.699	23.791	0.0915
16	10	Unbiased	24.311	24.507	0.1965
17	10	Unbiased	24.218	24.27	0.0515
18	10	Unbiased	24.119	24.058	-0.0608
19	10	Unbiased	24.243	24.122	-0.1206
20	10	Unbiased	24.281	24.421	0.1391
21	30	Biased	24.186	24.154	-0.0323
22	30	Biased	24.103	24.221	0.1177
23	30	Biased	23.66	23.593	-0.0668
24	30	Biased	23.998	24.032	0.0333
25	30	Biased	24.168	24.48	0.3117
26	30	Unbiased	24.052	24.099	0.0471
27	30	Unbiased	23.787	23.999	0.2119
28	30	Unbiased	23.482	23.584	0.1026
29	30	Unbiased	23.509	23.594	0.0849
30	30	Unbiased	24.254	24.486	0.232
31	50	Biased	23.677	23.786	0.1094
32	50	Biased	24.363	24.602	0.2388
33	50	Biased	23.485	23.447	-0.0382
34	50	Biased	23.556	23.436	-0.1203
35	50	Biased	23.984	23.901	-0.0831
36	50	Unbiased	24.057	24.147	0.09
37	50	Unbiased	23.622	23.679	0.0567
38	50	Unbiased	24.119	24.223	0.1047
39	50	Unbiased	23.548	23.575	0.027
40	50	Unbiased	23.62	23.537	-0.0831
41	100	Biased	24.266	24.143	-0.1227
42	100	Biased	23.951	24	0.0491
43	100	Biased	23.578	23.833	0.2544
44	100	Biased	23.694	23.804	0.1103
45	100	Biased	23.756	23.686	-0.0701
46	100	Unbiased	24.309	24.611	0.3015
47	100	Unbiased	23.835	24.154	0.3189
48	100	Unbiased	24.114	24.447	0.3333
49	100	Unbiased	24.259	24.063	-0.1957
50	100	Unbiased	24.148	24.503	0.3557
51	0	Correlation	23.506	23.5	-0.0063
52	0	Correlation	24.488	24.431	-0.0562
53	0	Correlation	24.115	24.117	0.002
54	0	Correlation	24.014	24.017	0.0032
55	0	Correlation	23.639	23.804	0.165

Test Statistics (ms)

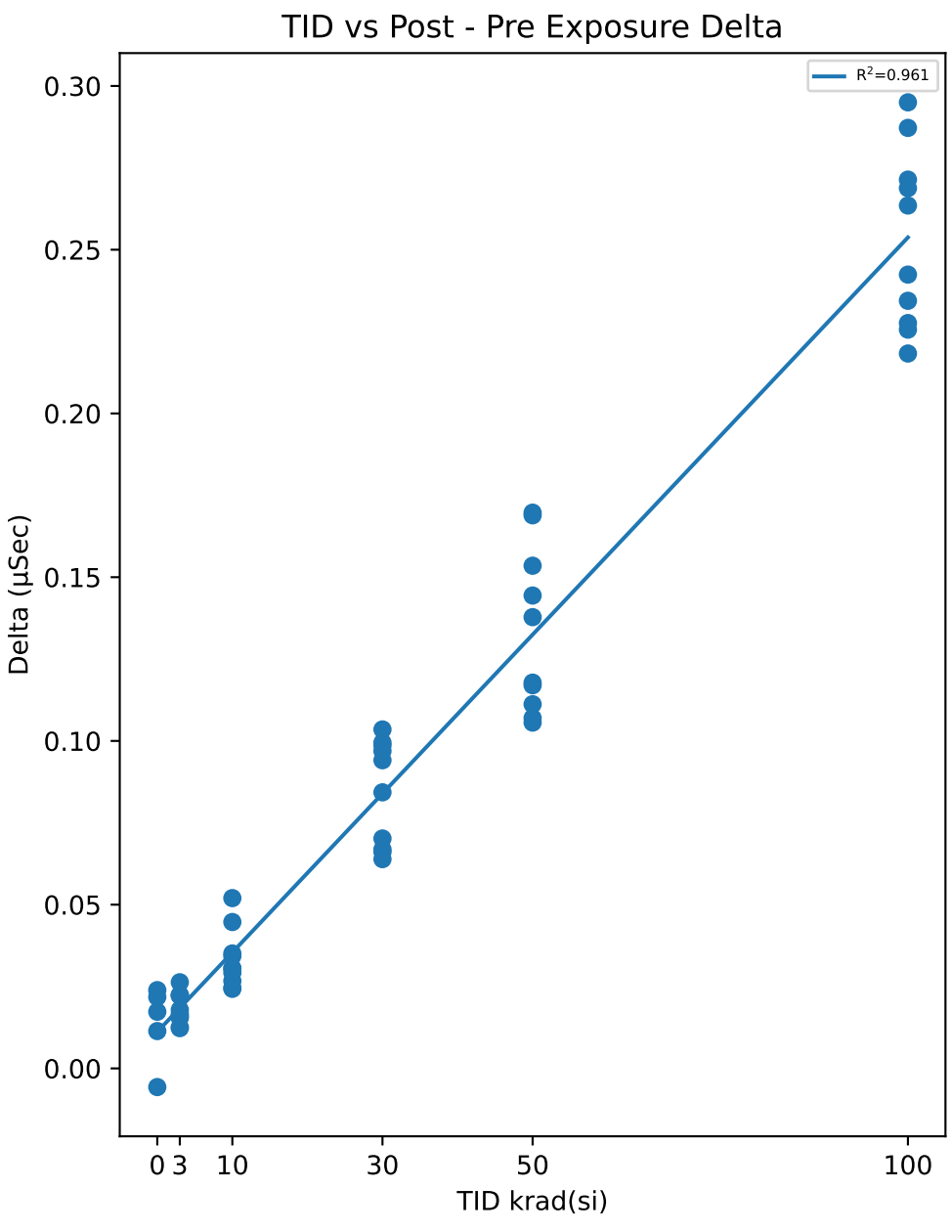
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.506	23.952	24.488	0.39169	23.5	23.974	24.431	0.34819	-0.0562	0.02154	0.165	0.083841
3	23.535	23.86	24.334	0.27977	23.488	23.871	24.297	0.27365	-0.1493	0.01086	0.125	0.087979
10	23.549	24.018	24.354	0.31417	23.631	24.075	24.507	0.34249	-0.1206	0.05713	0.2779	0.13407
30	23.482	23.92	24.254	0.28806	23.584	24.024	24.486	0.34101	-0.0668	0.10421	0.3117	0.11912
50	23.485	23.803	24.363	0.30175	23.436	23.833	24.602	0.38491	-0.1203	0.03019	0.2388	0.11187
100	23.578	23.991	24.309	0.26426	23.686	24.125	24.611	0.31366	-0.1957	0.13347	0.3557	0.20807

Device Test: 5.7; PROPD_RESET



Test Results (Upper Limit = 4.3 (µSec))

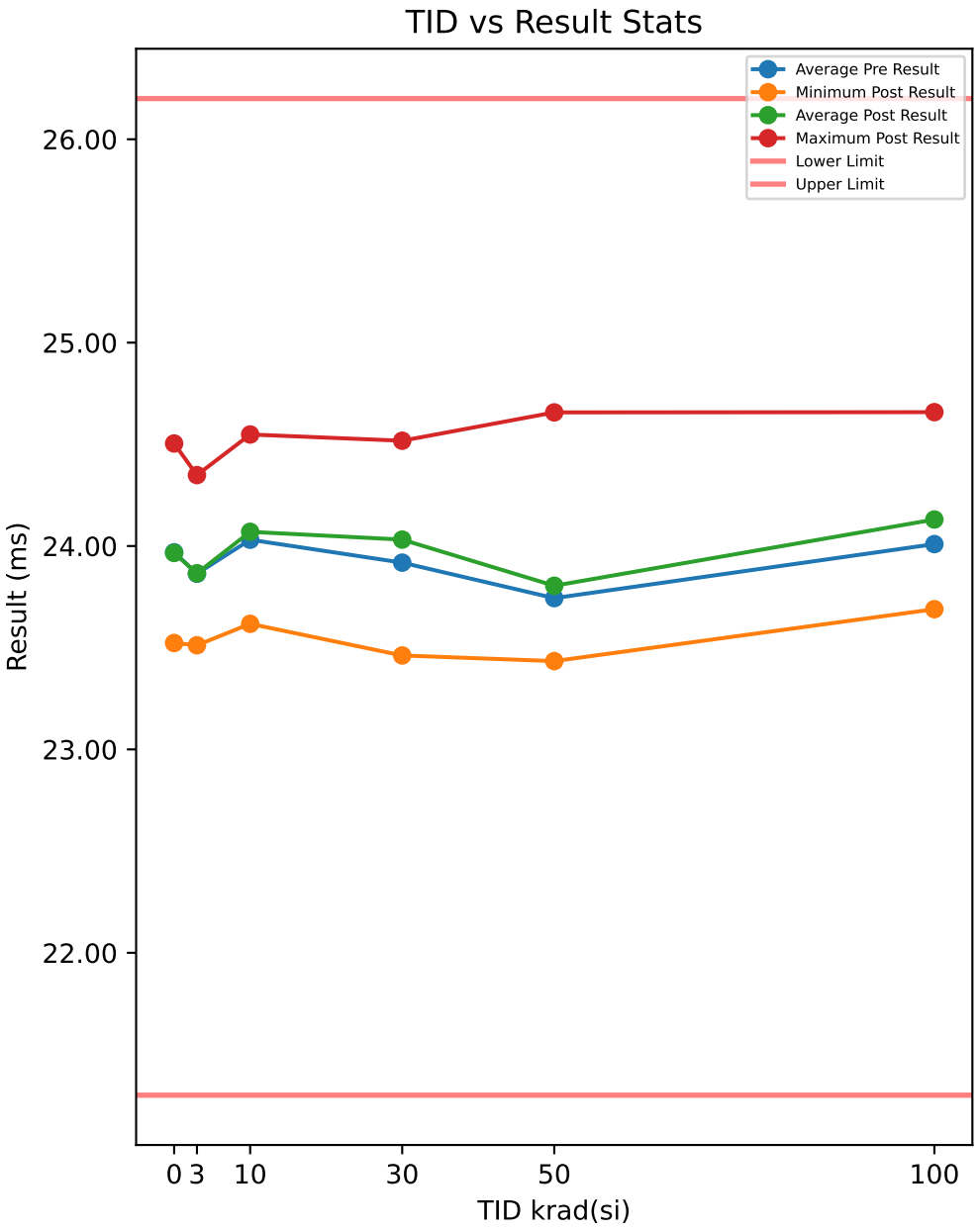
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	3.0463	3.0687	0.0224
2	3	Biased	3.1432	3.1555	0.0123
3	3	Biased	3.1111	3.1265	0.0154
4	3	Biased	3.0561	3.0687	0.0126
5	3	Biased	3.0112	3.0272	0.016
6	3	Unbiased	3.0329	3.0495	0.0166
7	3	Unbiased	3.1562	3.1825	0.0263
8	3	Unbiased	3.0265	3.0487	0.0222
9	3	Unbiased	3.0867	3.1046	0.0179
10	3	Unbiased	3.0893	3.1117	0.0224
11	10	Biased	3.0191	3.0437	0.0246
12	10	Biased	3.0223	3.0566	0.0343
13	10	Biased	3.0841	3.1084	0.0243
14	10	Biased	3.0221	3.0527	0.0306
15	10	Biased	3.034	3.0645	0.0305
16	10	Unbiased	3.08	3.1151	0.0351
17	10	Unbiased	3.1341	3.1861	0.052
18	10	Unbiased	3.1032	3.1324	0.0292
19	10	Unbiased	3.0369	3.0816	0.0447
20	10	Unbiased	3.1216	3.1483	0.0267
21	30	Biased	3.0447	3.1086	0.0639
22	30	Biased	3.0294	3.0996	0.0702
23	30	Biased	3.1495	3.2156	0.0661
24	30	Biased	3.0201	3.087	0.0669
25	30	Biased	3.0494	3.1337	0.0843
26	30	Unbiased	3.041	3.1351	0.0941
27	30	Unbiased	3.0175	3.121	0.1035
28	30	Unbiased	3.0182	3.1168	0.0986
29	30	Unbiased	3.0353	3.1348	0.0995
30	30	Unbiased	3.0375	3.1344	0.0969
31	50	Biased	3.0975	3.2031	0.1056
32	50	Biased	3.0795	3.1865	0.107
33	50	Biased	3.0108	3.1278	0.117
34	50	Biased	3.0991	3.2169	0.1178
35	50	Biased	3.1022	3.2134	0.1112
36	50	Unbiased	3.0064	3.1508	0.1444
37	50	Unbiased	3.035	3.1728	0.1378
38	50	Unbiased	3.0249	3.1938	0.1689
39	50	Unbiased	3.0324	3.1859	0.1535
40	50	Unbiased	2.9936	3.1633	0.1697
41	100	Biased	3.0134	3.239	0.2256
42	100	Biased	3.013	3.2406	0.2276
43	100	Biased	3.06	3.2944	0.2344
44	100	Biased	3.1256	3.368	0.2424
45	100	Biased	3.0129	3.2312	0.2183
46	100	Unbiased	3.1388	3.4338	0.295
47	100	Unbiased	3.1272	3.3907	0.2635
48	100	Unbiased	3.126	3.4132	0.2872
49	100	Unbiased	3.0023	3.2737	0.2714
50	100	Unbiased	3.0239	3.2927	0.2688
51	0	Correlation	3.0227	3.0341	0.0114
52	0	Correlation	3.1531	3.1474	-0.0057
53	0	Correlation	3.0175	3.0348	0.0173
54	0	Correlation	3.0625	3.0864	0.0239
55	0	Correlation	3.0582	3.08	0.0218

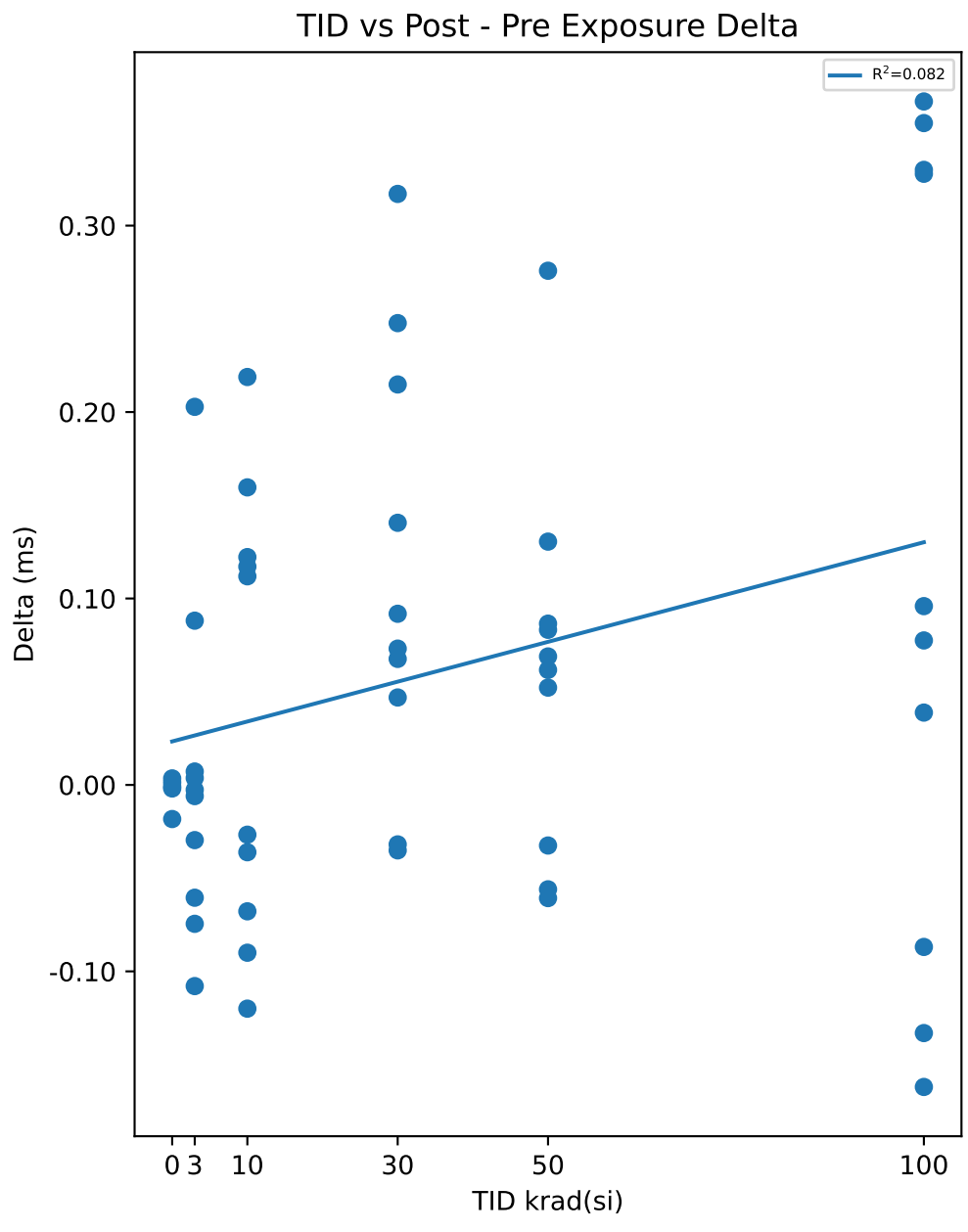


Test Statistics (µSec)

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	3.0175	3.0628	3.1531	0.054395	3.0341	3.0765	3.1474	0.046566	-0.0057	0.01374	0.0239	0.011877
3	3.0112	3.0759	3.1562	0.049728	3.0272	3.0944	3.1825	0.050409	0.0123	0.01841	0.0263	0.0046898
10	3.0191	3.0657	3.1341	0.04415	3.0437	3.0989	3.1861	0.047108	0.0243	0.0332	0.052	0.0089193
30	3.0175	3.0443	3.1495	0.038641	3.087	3.1287	3.2156	0.034766	0.0639	0.0844	0.1035	0.016013
50	2.9936	3.0481	3.1022	0.042178	3.1278	3.1814	3.2169	0.028217	0.1056	0.13329	0.1697	0.024938
100	3.0023	3.0643	3.1388	0.058148	3.2312	3.3177	3.4338	0.076871	0.2183	0.25342	0.295	0.027261

Device Test: 5.70; DLY_TMR_1MOHM





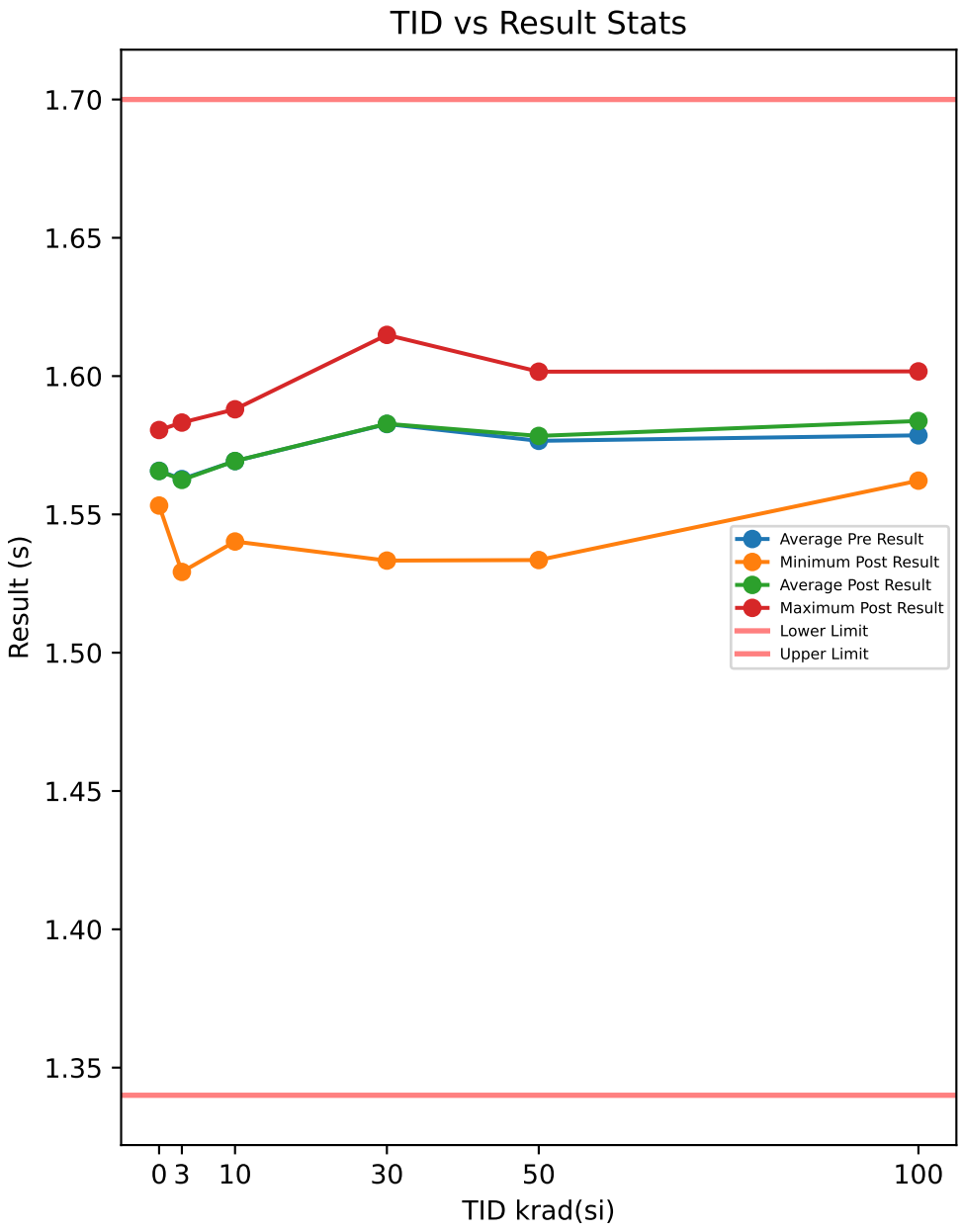
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

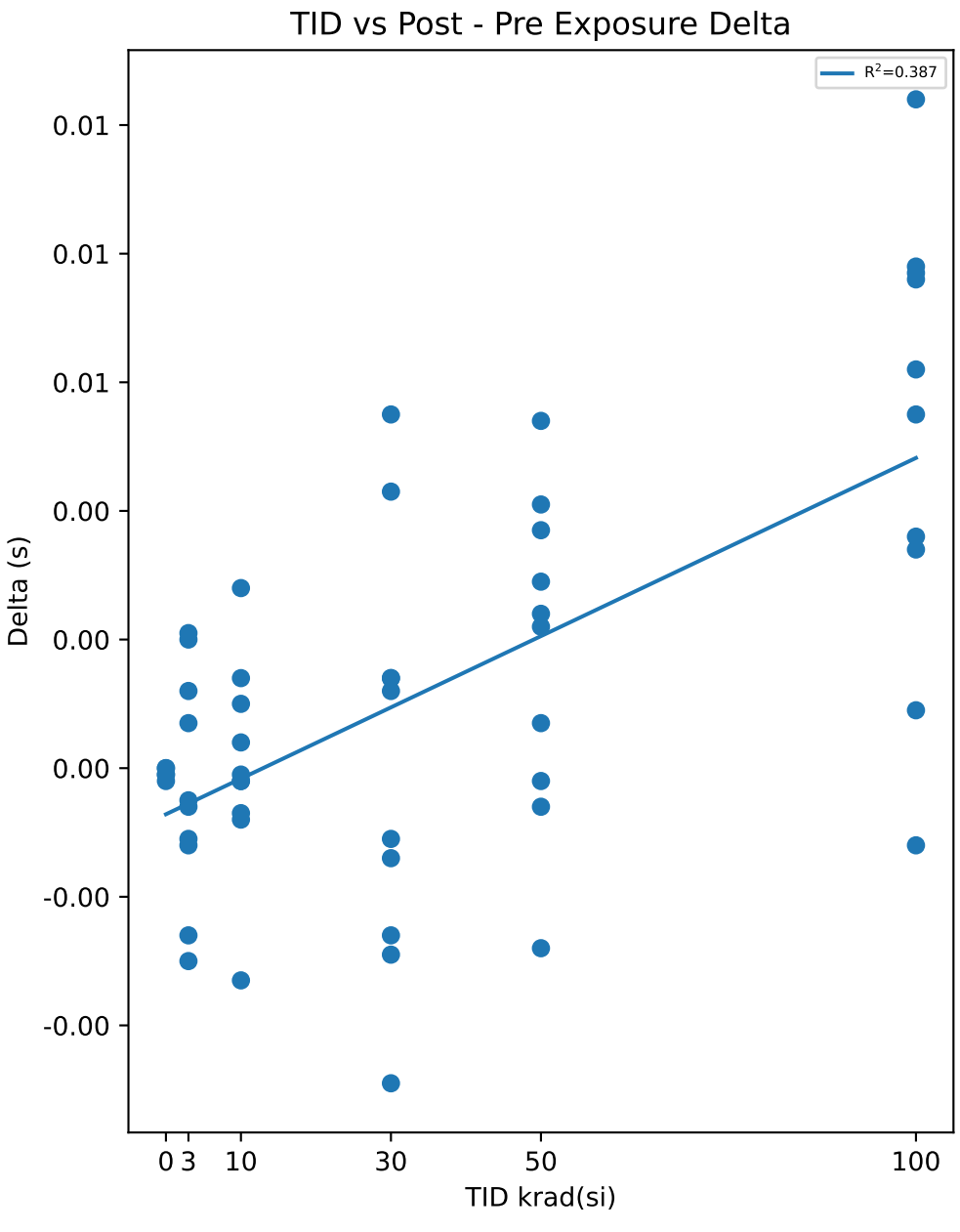
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	24.378	24.349	-0.0296
2	3	Biased	23.849	23.856	0.0072
3	3	Biased	23.868	23.871	0.0037
4	3	Biased	24.304	24.298	-0.006
5	3	Biased	23.837	23.762	-0.0745
6	3	Unbiased	23.471	23.674	0.2028
7	3	Unbiased	23.555	23.552	-0.0026
8	3	Unbiased	23.62	23.512	-0.1079
9	3	Unbiased	24.064	24.152	0.0881
10	3	Unbiased	23.692	23.632	-0.0605
11	10	Biased	23.57	23.682	0.1119
12	10	Biased	23.737	23.669	-0.0678
13	10	Biased	23.707	23.617	-0.09
14	10	Biased	24.368	24.528	0.1596
15	10	Biased	23.69	23.654	-0.0361
16	10	Unbiased	24.33	24.548	0.2188
17	10	Unbiased	24.212	24.334	0.1222
18	10	Unbiased	24.139	24.112	-0.0267
19	10	Unbiased	24.261	24.141	-0.12
20	10	Unbiased	24.296	24.413	0.1171
21	30	Biased	24.206	24.171	-0.0351
22	30	Biased	24.122	24.263	0.1406
23	30	Biased	23.494	23.462	-0.0319
24	30	Biased	24.019	24.093	0.0731
25	30	Biased	24.162	24.479	0.317
26	30	Unbiased	24.072	24.119	0.0469
27	30	Unbiased	23.804	24.019	0.2148
28	30	Unbiased	23.502	23.593	0.0918
29	30	Unbiased	23.532	23.6	0.0676
30	30	Unbiased	24.27	24.518	0.2477
31	50	Biased	23.663	23.63	-0.0325
32	50	Biased	24.381	24.657	0.2758
33	50	Biased	23.507	23.451	-0.056
34	50	Biased	23.393	23.455	0.0617
35	50	Biased	24.004	23.943	-0.0607
36	50	Unbiased	24.073	24.159	0.0865
37	50	Unbiased	23.467	23.535	0.0689
38	50	Unbiased	24.112	24.242	0.1305
39	50	Unbiased	23.382	23.434	0.0522
40	50	Unbiased	23.457	23.54	0.0832
41	100	Biased	24.284	24.15	-0.1331
42	100	Biased	23.997	24.036	0.0388
43	100	Biased	23.599	23.695	0.0959
44	100	Biased	23.715	23.793	0.0775
45	100	Biased	23.776	23.689	-0.0869
46	100	Unbiased	24.328	24.658	0.3299
47	100	Unbiased	23.832	24.199	0.3666
48	100	Unbiased	24.132	24.46	0.3278
49	100	Unbiased	24.267	24.105	-0.162
50	100	Unbiased	24.163	24.518	0.355
51	0	Correlation	23.524	23.523	-0.0008
52	0	Correlation	24.506	24.504	-0.0019
53	0	Correlation	24.121	24.125	0.0035
54	0	Correlation	24.034	24.036	0.0014
55	0	Correlation	23.66	23.641	-0.0183

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	23.524	23.969	24.506	0.39035	23.523	23.966	24.504	0.39403	-0.0183	-0.00322	0.0035	0.008682
3	23.471	23.864	24.378	0.30525	23.512	23.866	24.349	0.30337	-0.1079	0.00207	0.2028	0.088622
10	23.57	24.031	24.368	0.31449	23.617	24.07	24.548	0.38322	-0.12	0.0389	0.2188	0.11949
30	23.494	23.918	24.27	0.30869	23.462	24.032	24.518	0.36885	-0.0351	0.11325	0.317	0.11656
50	23.382	23.744	24.381	0.36409	23.434	23.805	24.657	0.42432	-0.0607	0.06096	0.2758	0.099719
100	23.599	24.009	24.328	0.26306	23.689	24.13	24.658	0.34163	-0.162	0.12095	0.3666	0.21046

Device Test: 5.71; WD_TMR_1MOHM





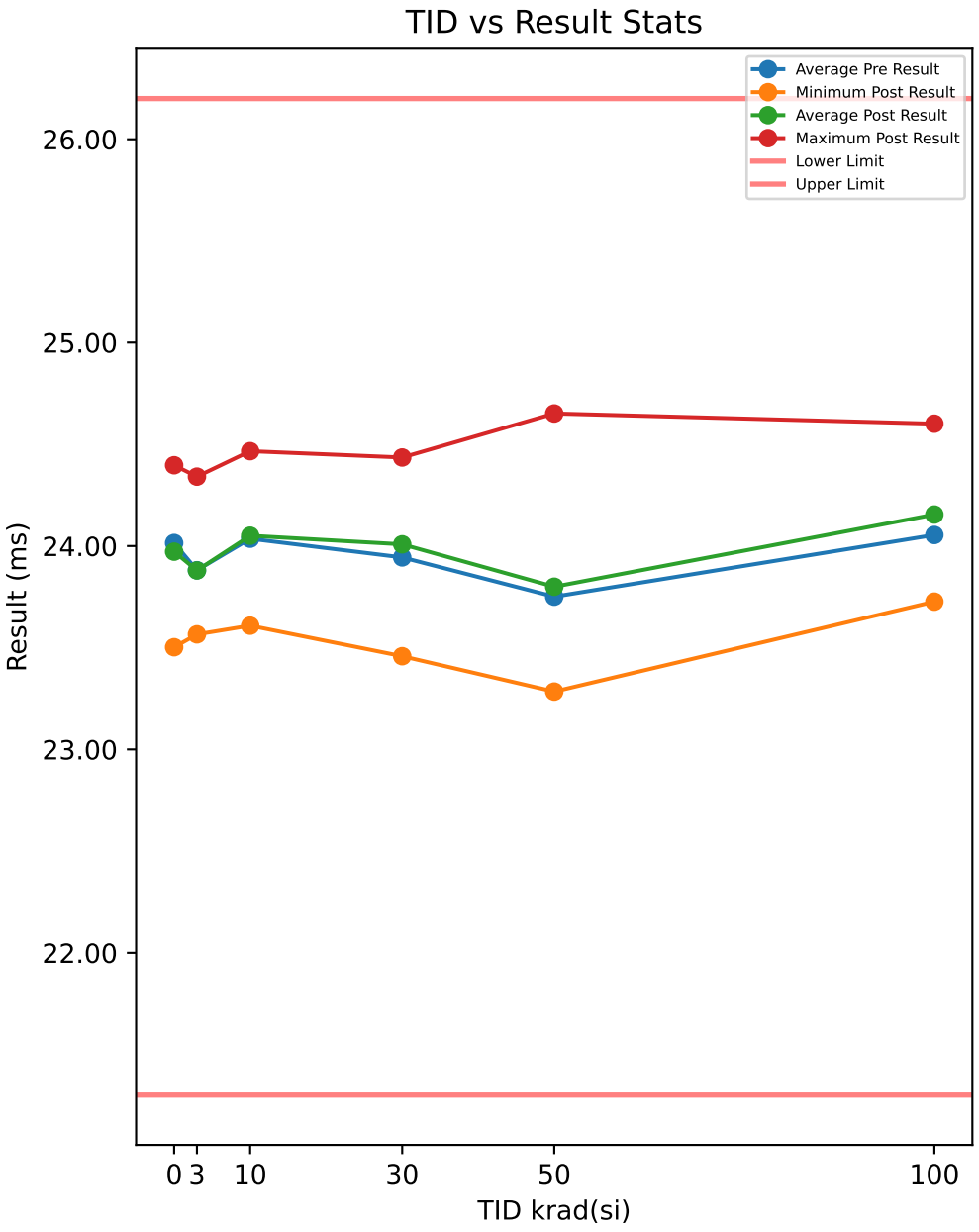
Test Results (Lower Limit = 1.34, Upper Limit = 1.7 (s))

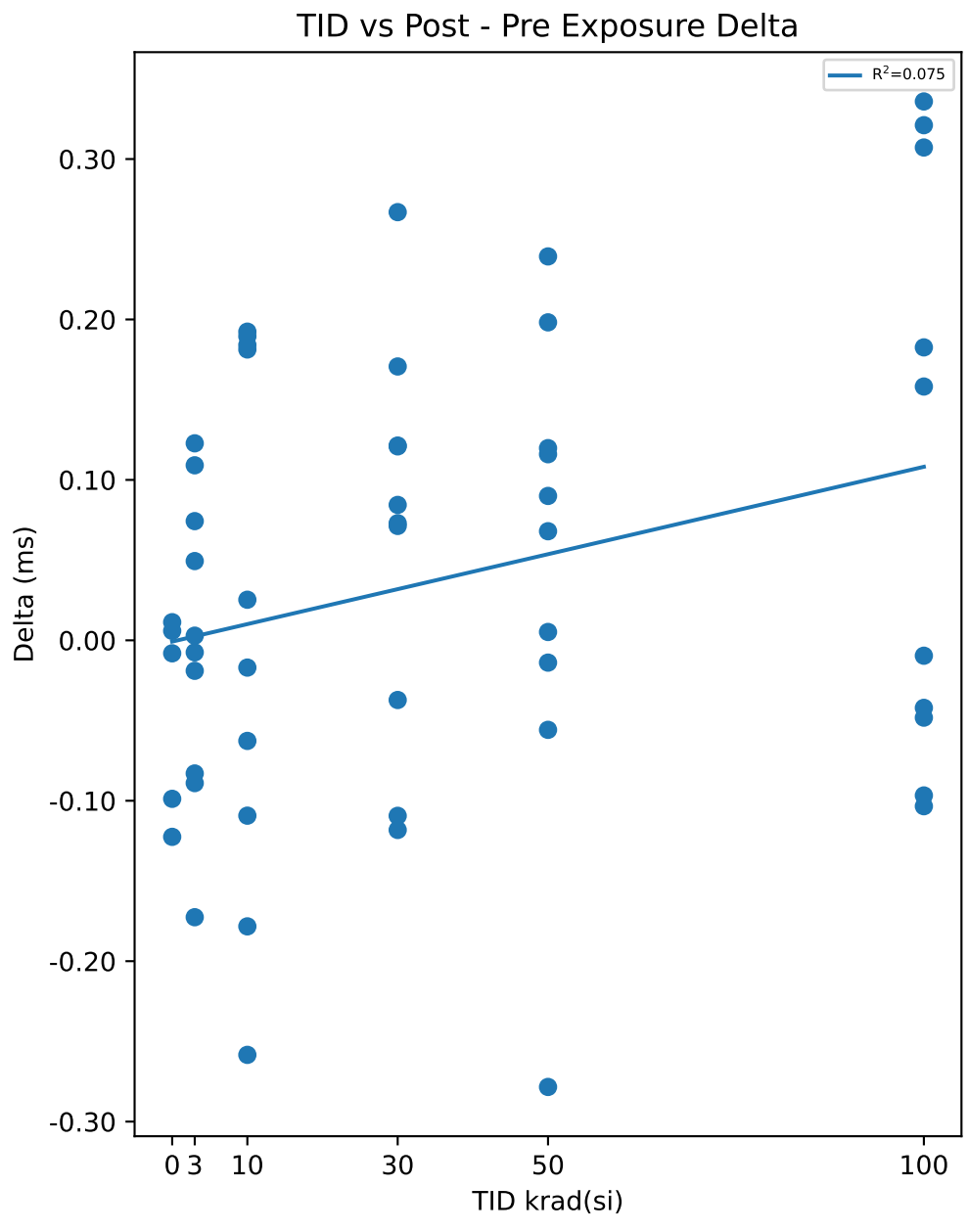
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.582	1.5832	0.0012
2	3	Biased	1.5272	1.5292	0.002
3	3	Biased	1.5705	1.5675	-0.003
4	3	Biased	1.5714	1.5688	-0.0026
5	3	Biased	1.5829	1.5823	-0.0006
6	3	Unbiased	1.5682	1.5677	-0.0005
7	3	Unbiased	1.5548	1.5555	0.0007
8	3	Unbiased	1.5541	1.5562	0.0021
9	3	Unbiased	1.5627	1.5615	-0.0012
10	3	Unbiased	1.5539	1.5528	-0.0011
11	10	Biased	1.5656	1.5654	-0.0002
12	10	Biased	1.5736	1.5729	-0.0007
13	10	Biased	1.5779	1.5777	-0.0002
14	10	Biased	1.5881	1.588	-0.0001
15	10	Biased	1.5481	1.5509	0.0028
16	10	Unbiased	1.5817	1.5809	-0.0008
17	10	Unbiased	1.5828	1.5842	0.0014
18	10	Unbiased	1.5646	1.5656	0.001
19	10	Unbiased	1.5398	1.5402	0.0004
20	10	Unbiased	1.5705	1.5672	-0.0033
21	30	Biased	1.5933	1.5922	-0.0011
22	30	Biased	1.5887	1.5861	-0.0026
23	30	Biased	1.5739	1.5725	-0.0014
24	30	Biased	1.5849	1.582	-0.0029
25	30	Biased	1.5319	1.5333	0.0014
26	30	Unbiased	1.572	1.5732	0.0012
27	30	Unbiased	1.5716	1.5759	0.0043
28	30	Unbiased	1.6198	1.6149	-0.0049
29	30	Unbiased	1.5835	1.5849	0.0014
30	30	Unbiased	1.6071	1.6126	0.0055
31	50	Biased	1.5341	1.5335	-0.0006
32	50	Biased	1.5808	1.5832	0.0024
33	50	Biased	1.5935	1.5933	-0.0002
34	50	Biased	1.571	1.5682	-0.0028
35	50	Biased	1.5879	1.5908	0.0029
36	50	Unbiased	1.5681	1.5688	0.0007
37	50	Unbiased	1.5723	1.5777	0.0054
38	50	Unbiased	1.5931	1.5968	0.0037
39	50	Unbiased	1.5975	1.6016	0.0041
40	50	Unbiased	1.5676	1.5698	0.0022
41	100	Biased	1.5981	1.6017	0.0036
42	100	Biased	1.5771	1.5805	0.0034
43	100	Biased	1.5669	1.5731	0.0062
44	100	Biased	1.5955	1.5943	-0.0012
45	100	Biased	1.5833	1.591	0.0077
46	100	Unbiased	1.5911	1.592	0.0009
47	100	Unbiased	1.5788	1.5892	0.0104
48	100	Unbiased	1.5632	1.571	0.0078
49	100	Unbiased	1.5567	1.5622	0.0055
50	100	Unbiased	1.5751	1.5827	0.0076
51	0	Correlation	1.5747	1.5747	0
52	0	Correlation	1.5533	1.5532	-0.0001
53	0	Correlation	1.5583	1.5583	0
54	0	Correlation	1.5807	1.5805	-0.0002
55	0	Correlation	1.5618	1.5617	-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	1.5533	1.5658	1.5807	0.011508	1.5532	1.5657	1.5805	0.011479	-0.0002	-8e-05	0	8.3666e-05
3	1.5272	1.5628	1.5829	0.016402	1.5292	1.5625	1.5832	0.015652	-0.003	-0.0003	0.0021	0.0017783
10	1.5398	1.5693	1.5881	0.015416	1.5402	1.5693	1.588	0.014939	-0.0033	3e-05	0.0028	0.0016007
30	1.5319	1.5827	1.6198	0.023621	1.5333	1.5828	1.6149	0.022898	-0.0049	9e-05	0.0055	0.0032723
50	1.5341	1.5766	1.5975	0.018706	1.5335	1.5784	1.6016	0.019895	-0.0028	0.00178	0.0054	0.0024881
100	1.5567	1.5786	1.5981	0.013794	1.5622	1.5838	1.6017	0.012183	-0.0012	0.00519	0.0104	0.00353

Device Test: 5.72; DLY_TMR_1MOHM





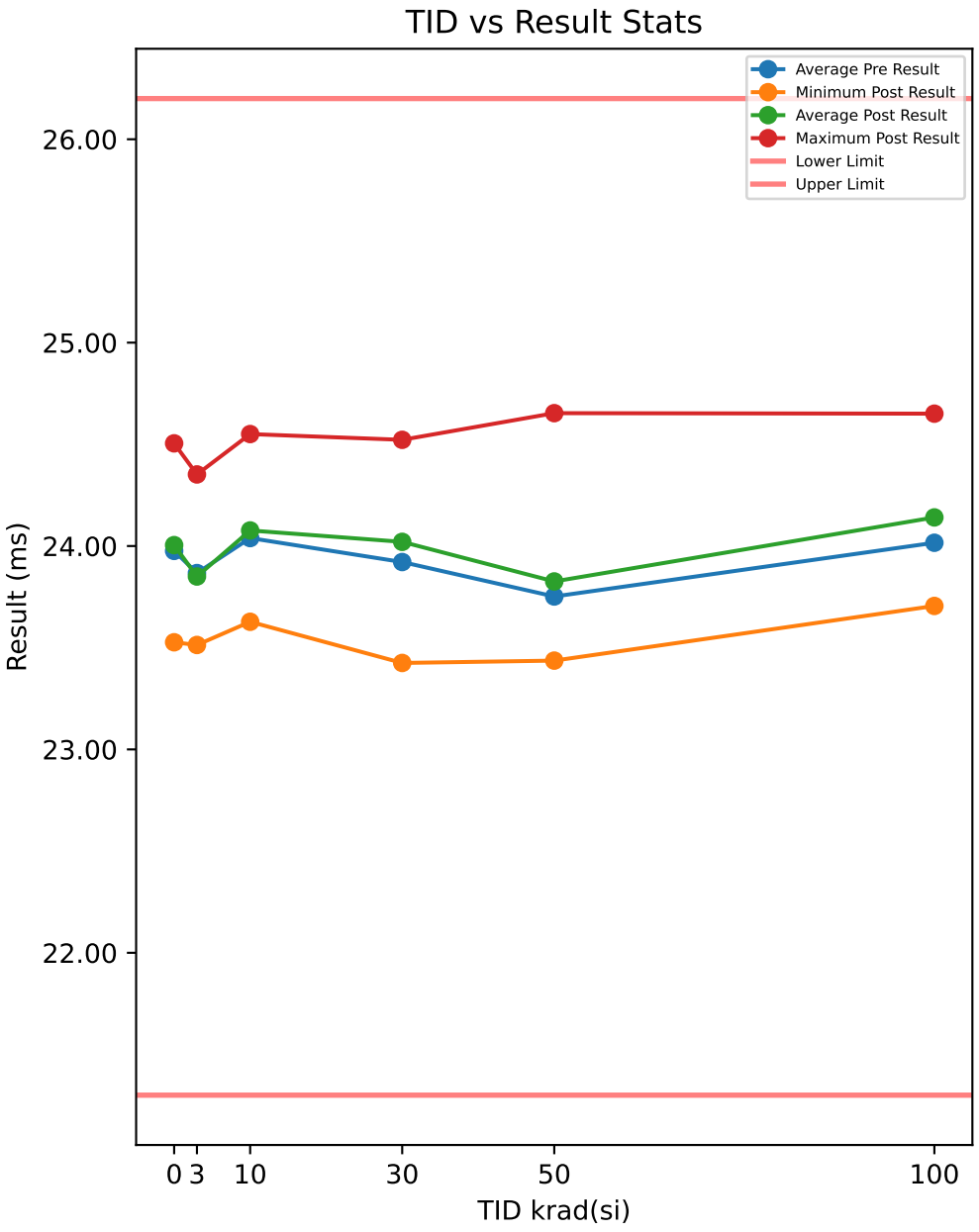
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	24.287	24.28	-0.0075
2	3	Biased	23.833	23.836	0.0029
3	3	Biased	23.812	23.861	0.0494
4	3	Biased	24.232	24.341	0.1091
5	3	Biased	23.88	23.791	-0.089
6	3	Unbiased	23.491	23.566	0.0743
7	3	Unbiased	23.655	23.636	-0.019
8	3	Unbiased	23.763	23.59	-0.1726
9	3	Unbiased	24.063	24.186	0.1228
10	3	Unbiased	23.793	23.71	-0.083
11	10	Biased	23.683	23.708	0.0253
12	10	Biased	23.808	23.745	-0.0627
13	10	Biased	23.718	23.608	-0.1093
14	10	Biased	24.282	24.466	0.1841
15	10	Biased	23.794	23.615	-0.1783
16	10	Unbiased	24.27	24.462	0.1924
17	10	Unbiased	24.136	24.325	0.1895
18	10	Unbiased	24.151	24.134	-0.017
19	10	Unbiased	24.329	24.07	-0.2584
20	10	Unbiased	24.189	24.371	0.1813
21	30	Biased	24.261	24.151	-0.1094
22	30	Biased	24.085	24.169	0.0844
23	30	Biased	23.516	23.637	0.1209
24	30	Biased	23.996	24.067	0.0713
25	30	Biased	24.256	24.427	0.1707
26	30	Unbiased	24.164	24.126	-0.0372
27	30	Unbiased	23.884	24.006	0.1214
28	30	Unbiased	23.576	23.458	-0.1182
29	30	Unbiased	23.533	23.606	0.073
30	30	Unbiased	24.168	24.435	0.2669
31	50	Biased	23.513	23.752	0.2393
32	50	Biased	24.453	24.652	0.1982
33	50	Biased	23.33	23.316	-0.0139
34	50	Biased	23.563	23.284	-0.2784
35	50	Biased	24.076	24.02	-0.0558
36	50	Unbiased	23.989	24.108	0.1198
37	50	Unbiased	23.462	23.578	0.116
38	50	Unbiased	24.196	24.201	0.0052
39	50	Unbiased	23.465	23.533	0.068
40	50	Unbiased	23.462	23.552	0.09
41	100	Biased	24.348	24.251	-0.0967
42	100	Biased	24.078	24.036	-0.0421
43	100	Biased	23.736	23.727	-0.0096
44	100	Biased	23.694	23.852	0.1582
45	100	Biased	23.881	23.833	-0.0482
46	100	Unbiased	24.28	24.602	0.3211
47	100	Unbiased	23.915	24.251	0.3359
48	100	Unbiased	24.184	24.367	0.1826
49	100	Unbiased	24.256	24.152	-0.1034
50	100	Unbiased	24.171	24.478	0.3072
51	0	Correlation	23.625	23.503	-0.1225
52	0	Correlation	24.391	24.397	0.0059
53	0	Correlation	24.176	24.187	0.0113
54	0	Correlation	24.088	23.989	-0.0988
55	0	Correlation	23.794	23.786	-0.0081

Test Statistics (ms)

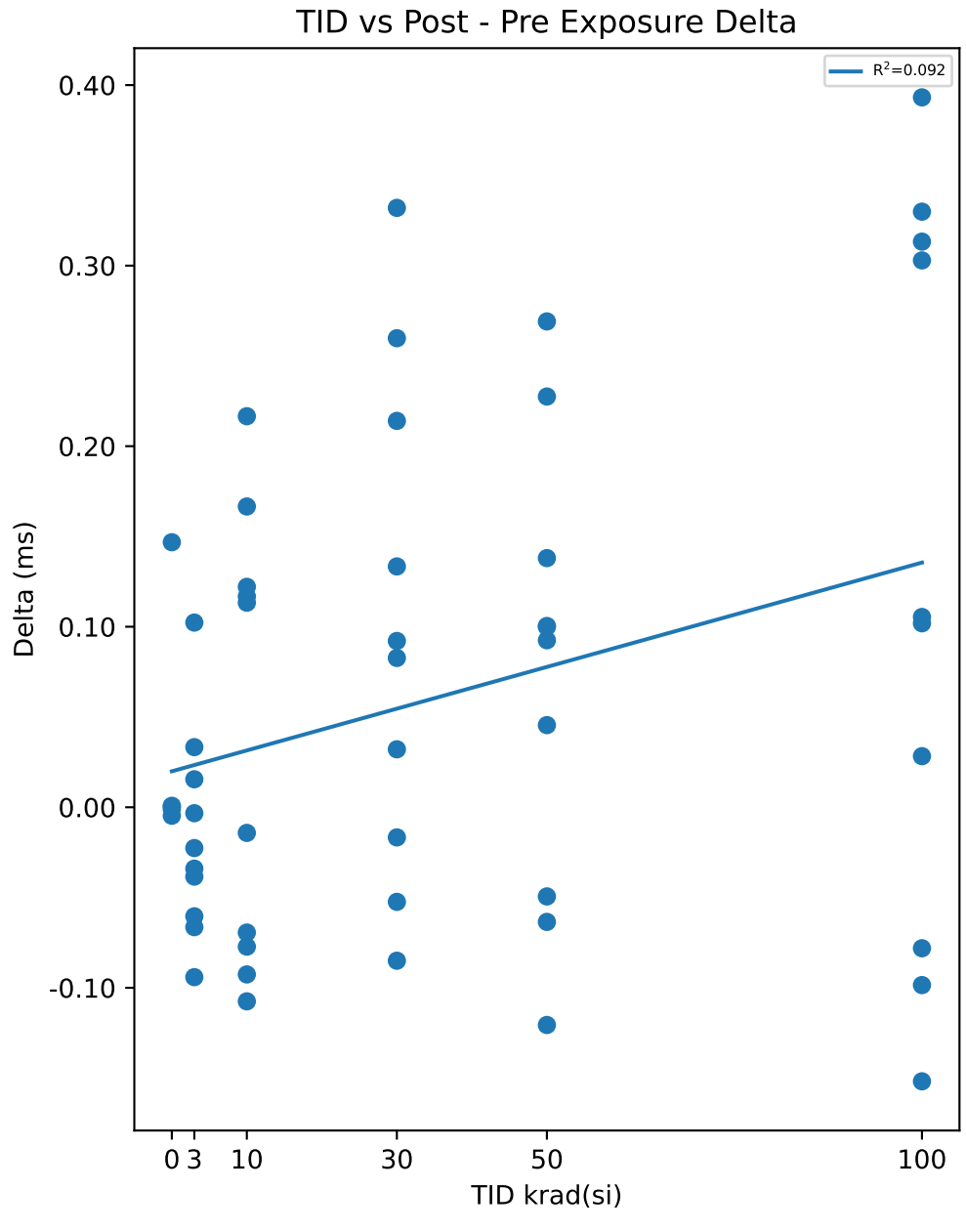
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.625	24.015	24.391	0.30572	23.503	23.972	24.397	0.34734	-0.1225	-0.04244	0.0113	0.063226
3	23.491	23.881	24.287	0.24781	23.566	23.88	24.341	0.28808	-0.1726	-0.00126	0.1228	0.094254
10	23.683	24.036	24.329	0.25491	23.608	24.051	24.466	0.35329	-0.2584	0.01469	0.1924	0.16763
30	23.516	23.944	24.261	0.29991	23.458	24.008	24.435	0.33722	-0.1182	0.06438	0.2669	0.12163
50	23.33	23.751	24.453	0.39037	23.284	23.8	24.652	0.43642	-0.2784	0.04884	0.2393	0.14684
100	23.694	24.054	24.348	0.23327	23.727	24.155	24.602	0.29075	-0.1034	0.1005	0.3359	0.18009

Device Test: 5.73; DLY_TMR_1MOHM



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

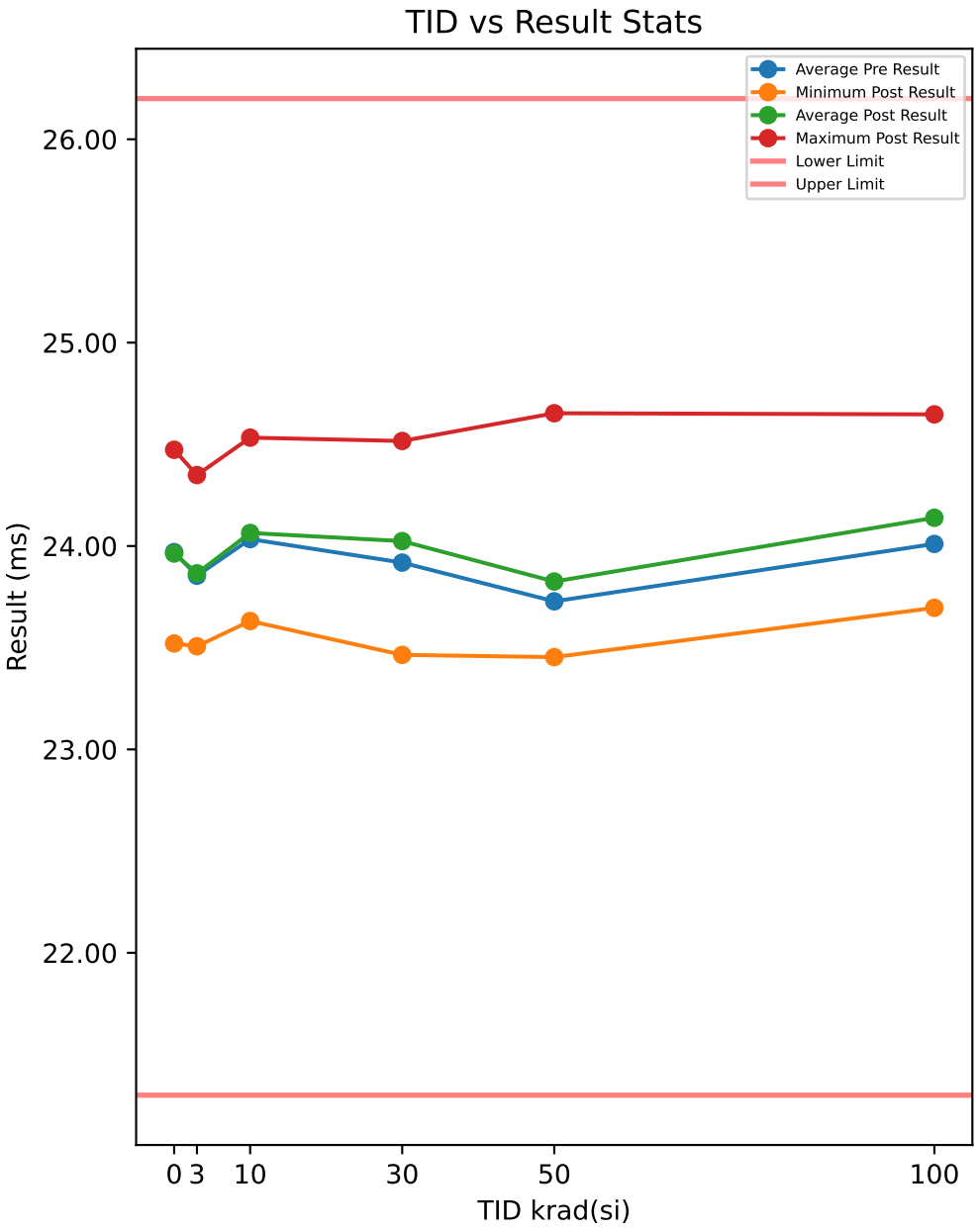
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	24.386	24.352	-0.034
2	3	Biased	23.851	23.813	-0.0384
3	3	Biased	23.869	23.847	-0.0226
4	3	Biased	24.303	24.319	0.0155
5	3	Biased	23.841	23.781	-0.0604
6	3	Unbiased	23.48	23.514	0.0333
7	3	Unbiased	23.558	23.555	-0.0033
8	3	Unbiased	23.627	23.533	-0.0941
9	3	Unbiased	24.054	24.156	0.1023
10	3	Unbiased	23.7	23.633	-0.0664
11	10	Biased	23.574	23.696	0.1221
12	10	Biased	23.745	23.675	-0.0694
13	10	Biased	23.716	23.639	-0.0772
14	10	Biased	24.374	24.541	0.1666
15	10	Biased	23.72	23.628	-0.0926
16	10	Unbiased	24.334	24.55	0.2166
17	10	Unbiased	24.216	24.333	0.1168
18	10	Unbiased	24.146	24.132	-0.0142
19	10	Unbiased	24.266	24.158	-0.1075
20	10	Unbiased	24.3	24.414	0.1133
21	30	Biased	24.214	24.162	-0.0524
22	30	Biased	24.132	24.265	0.1334
23	30	Biased	23.497	23.48	-0.0167
24	30	Biased	24.022	24.105	0.0827
25	30	Biased	24.166	24.498	0.332
26	30	Unbiased	24.079	24.111	0.0321
27	30	Unbiased	23.806	24.02	0.214
28	30	Unbiased	23.51	23.425	-0.085
29	30	Unbiased	23.524	23.616	0.0921
30	30	Unbiased	24.262	24.522	0.2598
31	50	Biased	23.527	23.627	0.1
32	50	Biased	24.384	24.653	0.2691
33	50	Biased	23.515	23.465	-0.0494
34	50	Biased	23.579	23.459	-0.1206
35	50	Biased	24.005	23.942	-0.0635
36	50	Unbiased	24.076	24.176	0.1004
37	50	Unbiased	23.472	23.7	0.2275
38	50	Unbiased	24.107	24.245	0.138
39	50	Unbiased	23.391	23.437	0.0455
40	50	Unbiased	23.463	23.555	0.0925
41	100	Biased	24.286	24.188	-0.0985
42	100	Biased	24.005	24.033	0.0283
43	100	Biased	23.607	23.712	0.1054
44	100	Biased	23.724	23.826	0.1019
45	100	Biased	23.784	23.705	-0.0781
46	100	Unbiased	24.337	24.651	0.3133
47	100	Unbiased	23.84	24.233	0.3932
48	100	Unbiased	24.135	24.438	0.3029
49	100	Unbiased	24.279	24.128	-0.1518
50	100	Unbiased	24.163	24.493	0.3299
51	0	Correlation	23.526	23.527	0.0005
52	0	Correlation	24.509	24.505	-0.0047
53	0	Correlation	24.14	24.14	-0.001
54	0	Correlation	24.036	24.037	0.0008
55	0	Correlation	23.668	23.814	0.1468



Test Statistics (ms)

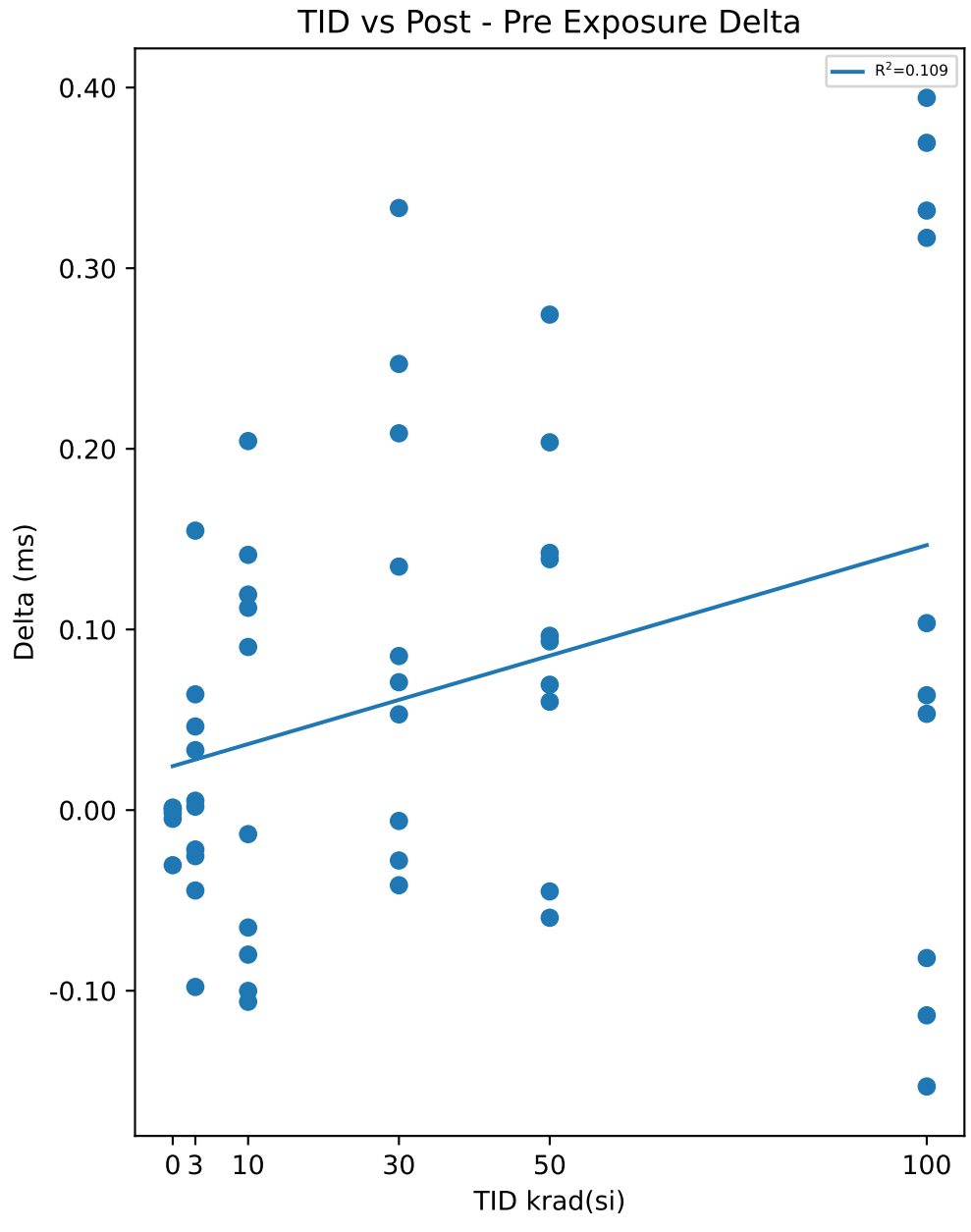
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.526	23.976	24.509	0.39136	23.527	24.004	24.505	0.36536	-0.0047	0.02848	0.1468	0.066179
3	23.48	23.867	24.386	0.30298	23.514	23.85	24.352	0.31965	-0.0941	-0.01681	0.1023	0.056816
10	23.574	24.039	24.374	0.31105	23.628	24.077	24.55	0.38413	-0.1075	0.03745	0.2166	0.12163
30	23.497	23.921	24.262	0.30941	23.425	24.021	24.522	0.39225	-0.085	0.0992	0.332	0.13724
50	23.391	23.752	24.384	0.35343	23.437	23.826	24.653	0.41394	-0.1206	0.07395	0.2691	0.12483
100	23.607	24.016	24.337	0.2624	23.705	24.141	24.651	0.32789	-0.1518	0.12465	0.3932	0.19975

Device Test: 5.74; DLY_TMR_1MOHM



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

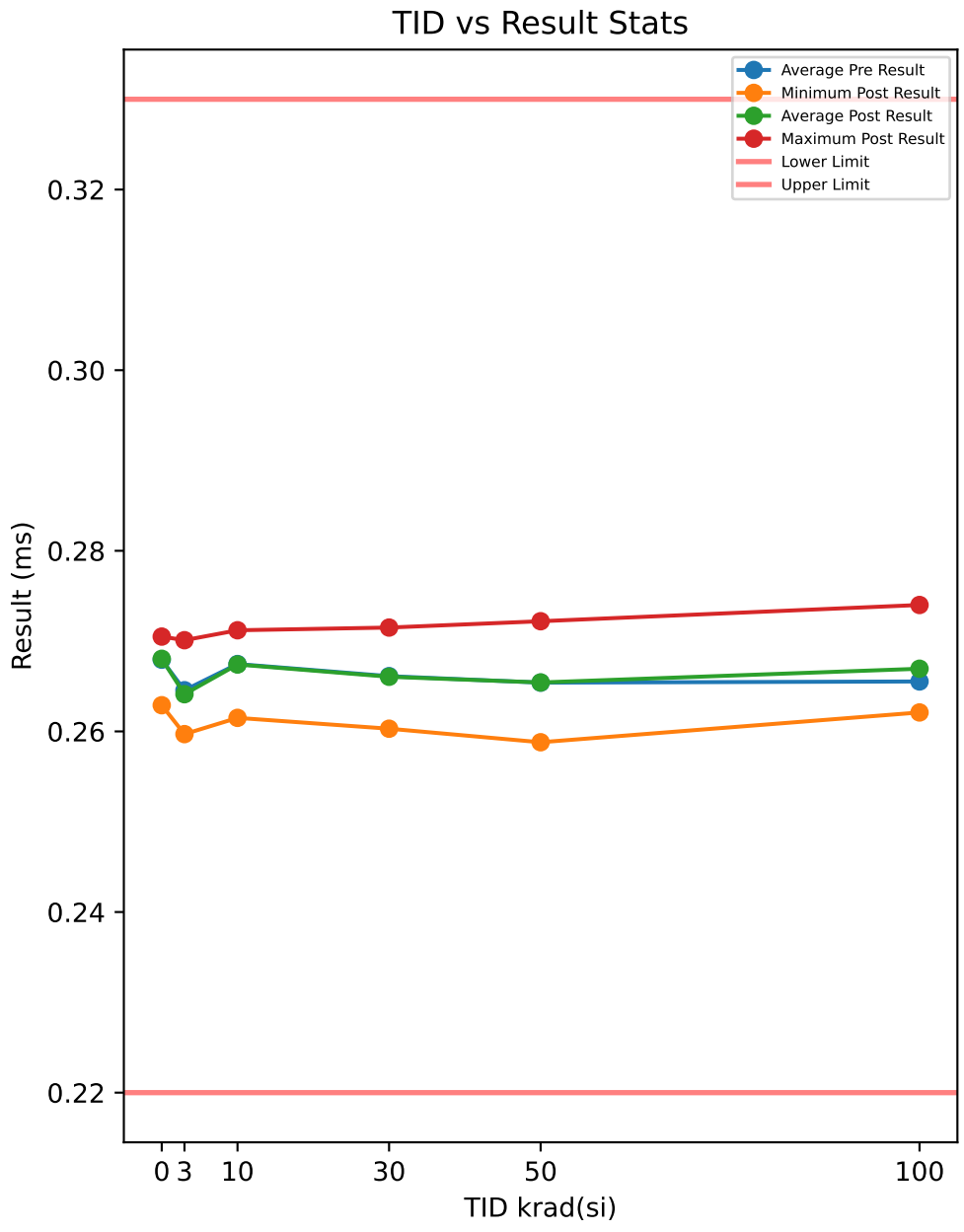
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	24.374	24.349	-0.0255
2	3	Biased	23.849	23.855	0.0052
3	3	Biased	23.824	23.87	0.0463
4	3	Biased	24.301	24.302	0.0019
5	3	Biased	23.818	23.773	-0.0445
6	3	Unbiased	23.474	23.507	0.0332
7	3	Unbiased	23.552	23.707	0.1547
8	3	Unbiased	23.619	23.522	-0.0979
9	3	Unbiased	24.064	24.128	0.0641
10	3	Unbiased	23.666	23.645	-0.0218
11	10	Biased	23.57	23.689	0.1193
12	10	Biased	23.738	23.638	-0.1001
13	10	Biased	23.711	23.631	-0.08
14	10	Biased	24.369	24.511	0.1413
15	10	Biased	23.715	23.65	-0.065
16	10	Unbiased	24.329	24.533	0.2043
17	10	Unbiased	24.211	24.302	0.0903
18	10	Unbiased	24.14	24.127	-0.0133
19	10	Unbiased	24.26	24.154	-0.1061
20	10	Unbiased	24.297	24.409	0.112
21	30	Biased	24.208	24.166	-0.0416
22	30	Biased	24.125	24.26	0.1348
23	30	Biased	23.493	23.465	-0.0279
24	30	Biased	24.015	24.1	0.0853
25	30	Biased	24.161	24.494	0.3333
26	30	Unbiased	24.072	24.066	-0.006
27	30	Unbiased	23.805	24.014	0.2086
28	30	Unbiased	23.503	23.574	0.0708
29	30	Unbiased	23.534	23.587	0.053
30	30	Unbiased	24.27	24.517	0.247
31	50	Biased	23.514	23.657	0.1424
32	50	Biased	24.379	24.653	0.2743
33	50	Biased	23.508	23.463	-0.045
34	50	Biased	23.394	23.454	0.06
35	50	Biased	24	23.94	-0.0596
36	50	Unbiased	24.075	24.169	0.0934
37	50	Unbiased	23.468	23.537	0.0694
38	50	Unbiased	24.101	24.24	0.1389
39	50	Unbiased	23.385	23.589	0.2036
40	50	Unbiased	23.457	23.553	0.0965
41	100	Biased	24.284	24.17	-0.1136
42	100	Biased	23.997	24.05	0.0533
43	100	Biased	23.6	23.704	0.1035
44	100	Biased	23.717	23.78	0.0636
45	100	Biased	23.778	23.696	-0.0819
46	100	Unbiased	24.331	24.647	0.3168
47	100	Unbiased	23.831	24.226	0.3943
48	100	Unbiased	24.131	24.463	0.3319
49	100	Unbiased	24.275	24.122	-0.153
50	100	Unbiased	24.16	24.53	0.3694
51	0	Correlation	23.522	23.521	-0.0015
52	0	Correlation	24.504	24.473	-0.0305
53	0	Correlation	24.132	24.134	0.0014
54	0	Correlation	24.031	24.032	0.0006
55	0	Correlation	23.661	23.657	-0.0048

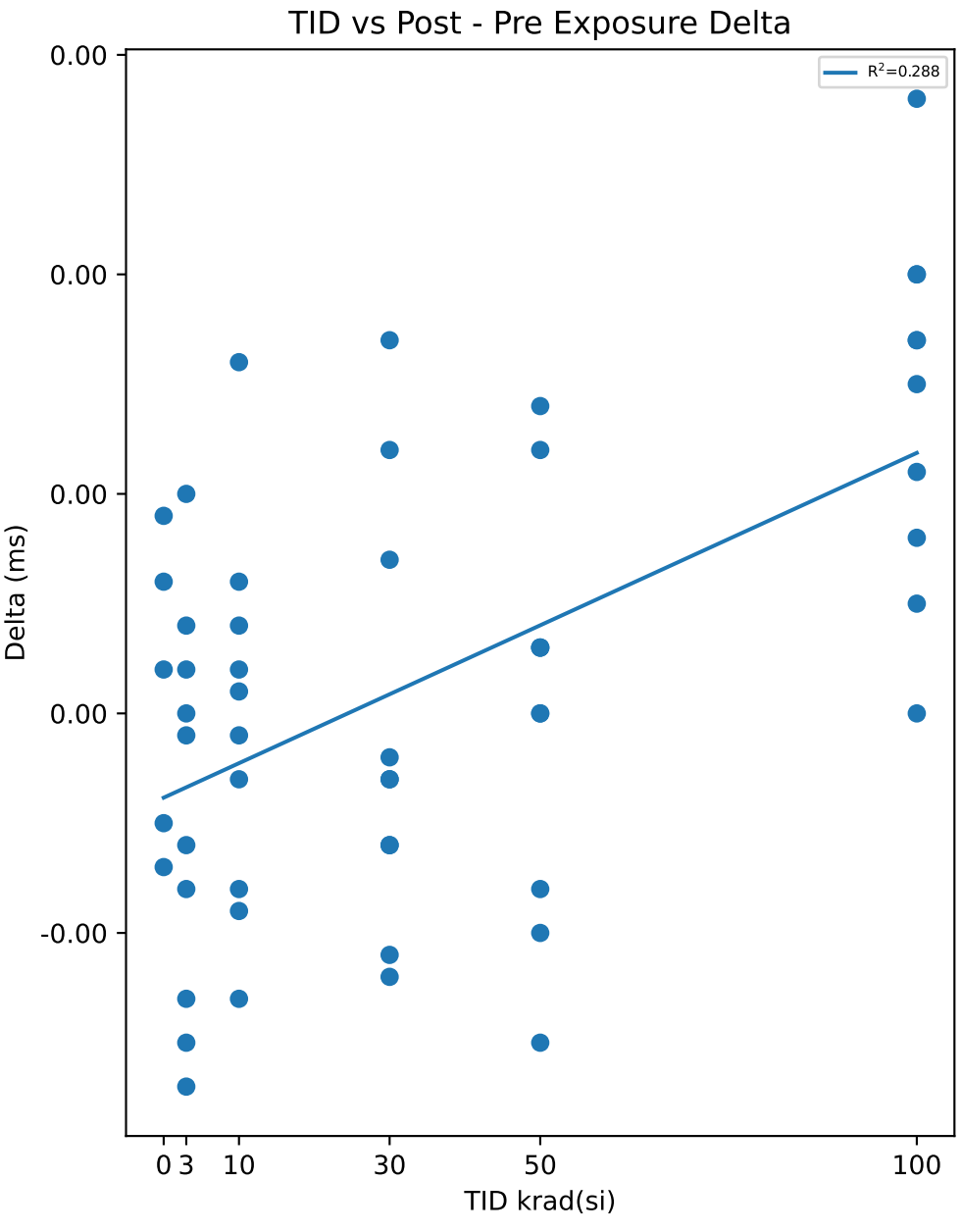


Test Statistics (ms)

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	23.522	23.97	24.504	0.39067	23.521	23.963	24.473	0.38194	-0.0305	-0.00696	0.0014	0.013376
3	23.474	23.854	24.374	0.3059	23.507	23.866	24.349	0.30234	-0.0979	0.01157	0.1547	0.068855
10	23.57	24.034	24.369	0.31107	23.631	24.064	24.533	0.37823	-0.1061	0.03027	0.2043	0.11525
30	23.493	23.918	24.27	0.3084	23.465	24.024	24.517	0.37323	-0.0416	0.10573	0.3333	0.12456
50	23.385	23.728	24.379	0.36838	23.454	23.825	24.653	0.40803	-0.0596	0.09739	0.2743	0.1019
100	23.6	24.01	24.331	0.2635	23.696	24.139	24.647	0.34109	-0.153	0.12843	0.3943	0.21032

Device Test: 5.75; DLY_TMR_10KOHM





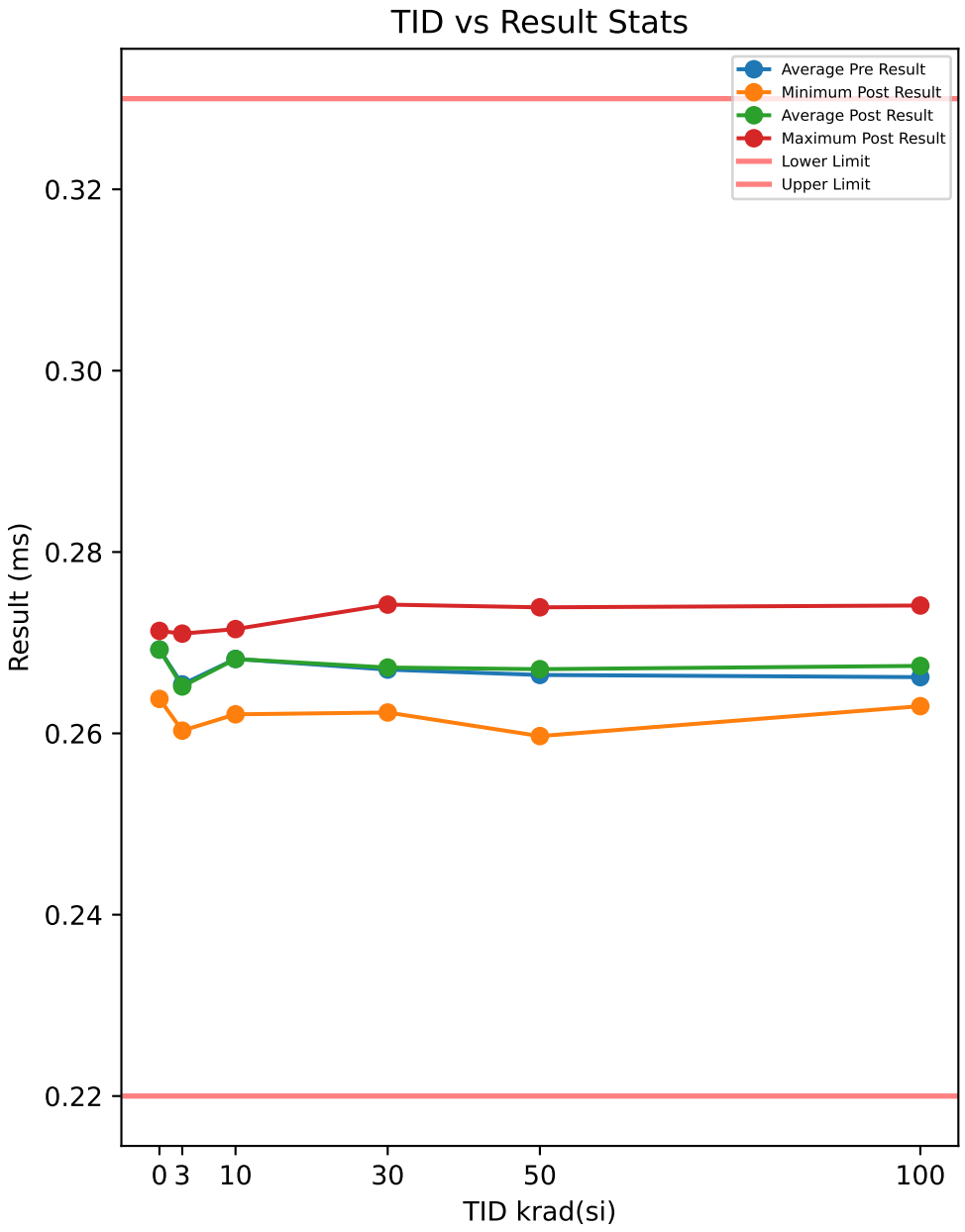
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

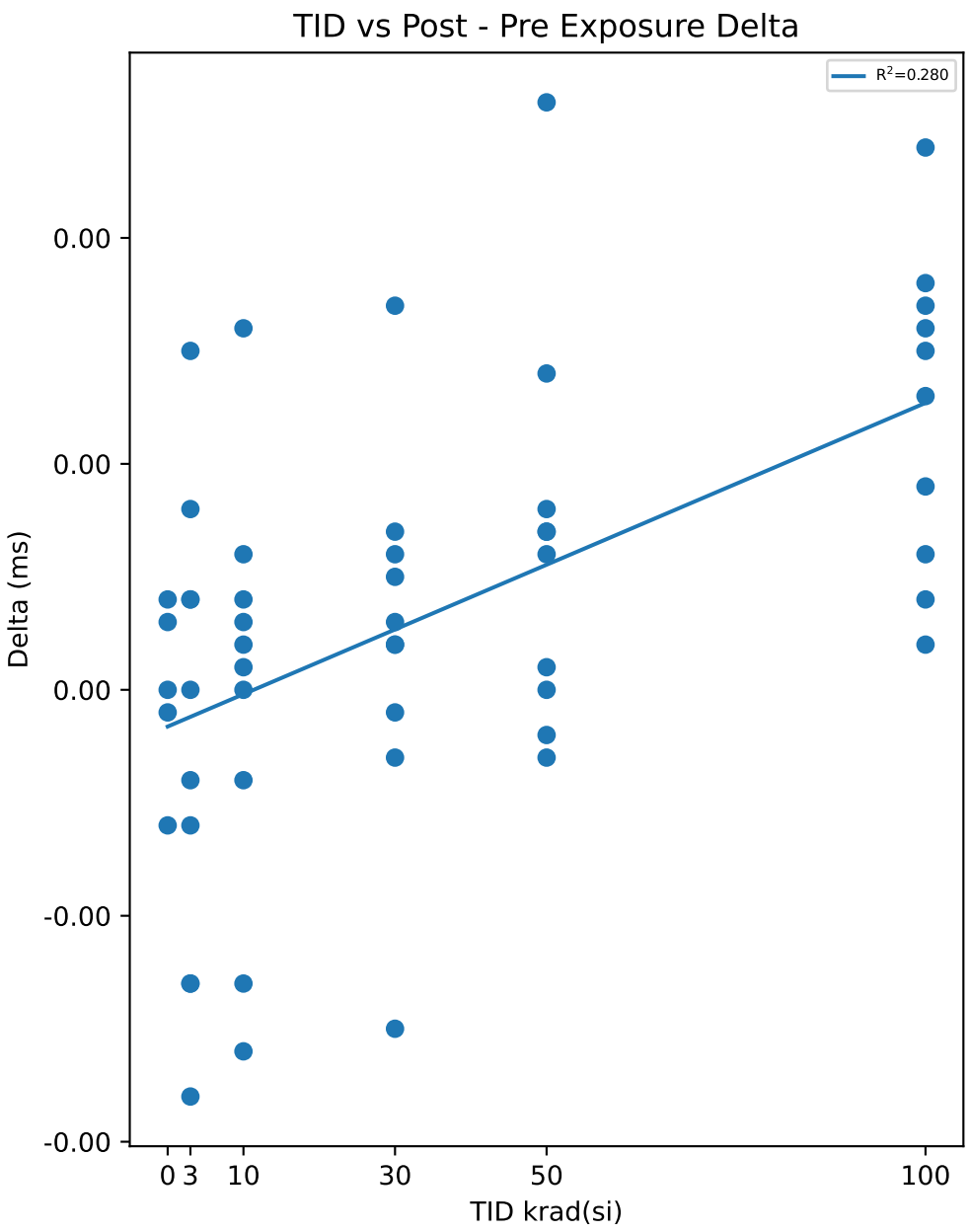
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2638	0.2637	-0.0001
2	3	Biased	0.2609	0.2609	0
3	3	Biased	0.2697	0.2701	0.0004
4	3	Biased	0.2702	0.2696	-0.0006
5	3	Biased	0.2687	0.2672	-0.0015
6	3	Unbiased	0.2616	0.2603	-0.0013
7	3	Unbiased	0.2687	0.267	-0.0017
8	3	Unbiased	0.2599	0.2601	0.0002
9	3	Unbiased	0.2605	0.2597	-0.0008
10	3	Unbiased	0.2616	0.2626	0.001
11	10	Biased	0.2682	0.2679	-0.0003
12	10	Biased	0.2622	0.2624	0.0002
13	10	Biased	0.2623	0.2615	-0.0008
14	10	Biased	0.2715	0.2702	-0.0013
15	10	Biased	0.2707	0.2698	-0.0009
16	10	Unbiased	0.2692	0.2693	0.0001
17	10	Unbiased	0.2696	0.2712	0.0016
18	10	Unbiased	0.2611	0.2617	0.0006
19	10	Unbiased	0.2699	0.2698	-0.0001
20	10	Unbiased	0.2699	0.2703	0.0004
21	30	Biased	0.2621	0.2618	-0.0003
22	30	Biased	0.2637	0.2634	-0.0003
23	30	Biased	0.2698	0.2696	-0.0002
24	30	Biased	0.2726	0.2715	-0.0011
25	30	Biased	0.2698	0.271	0.0012
26	30	Unbiased	0.263	0.2618	-0.0012
27	30	Unbiased	0.2686	0.2693	0.0007
28	30	Unbiased	0.2609	0.2603	-0.0006
29	30	Unbiased	0.2611	0.2605	-0.0006
30	30	Unbiased	0.2696	0.2713	0.0017
31	50	Biased	0.2585	0.2588	0.0003
32	50	Biased	0.271	0.2722	0.0012
33	50	Biased	0.2632	0.2635	0.0003
34	50	Biased	0.2616	0.2601	-0.0015
35	50	Biased	0.2684	0.2687	0.0003
36	50	Unbiased	0.2718	0.271	-0.0008
37	50	Unbiased	0.2617	0.2617	0
38	50	Unbiased	0.2719	0.2709	-0.001
39	50	Unbiased	0.2634	0.2634	0
40	50	Unbiased	0.2625	0.2639	0.0014
41	100	Biased	0.2713	0.2724	0.0011
42	100	Biased	0.2623	0.264	0.0017
43	100	Biased	0.2621	0.2621	0
44	100	Biased	0.2632	0.2652	0.002
45	100	Biased	0.2634	0.2639	0.0005
46	100	Unbiased	0.2614	0.2622	0.0008
47	100	Unbiased	0.2617	0.2634	0.0017
48	100	Unbiased	0.27	0.2715	0.0015
49	100	Unbiased	0.2687	0.2707	0.002
50	100	Unbiased	0.2712	0.274	0.0028
51	0	Correlation	0.2683	0.2685	0.0002
52	0	Correlation	0.2689	0.2698	0.0009
53	0	Correlation	0.2699	0.2705	0.0006
54	0	Correlation	0.2692	0.2685	-0.0007
55	0	Correlation	0.2634	0.2629	-0.0005

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	0.2634	0.26794	0.2699	0.0026025	0.2629	0.26804	0.2705	0.0029997	-0.0007	0.0001	0.0009	0.0006892
3	0.2599	0.26456	0.2702	0.0042453	0.2597	0.26412	0.2701	0.0040375	-0.0017	-0.00044	0.001	0.00088844
10	0.2611	0.26746	0.2715	0.0039669	0.2615	0.26741	0.2712	0.003921	-0.0013	-5e-05	0.0016	0.00083964
30	0.2609	0.26612	0.2726	0.0043657	0.2603	0.26605	0.2715	0.0048528	-0.0012	-7e-05	0.0017	0.00096385
50	0.2585	0.2654	0.2719	0.0049053	0.2588	0.26542	0.2722	0.0048755	-0.0015	2e-05	0.0014	0.00091627
100	0.2614	0.26553	0.2713	0.0042079	0.2621	0.26694	0.274	0.0046419	0	0.00141	0.0028	0.00082253

Device Test: 5.76; DLY_TMR_10KOHM





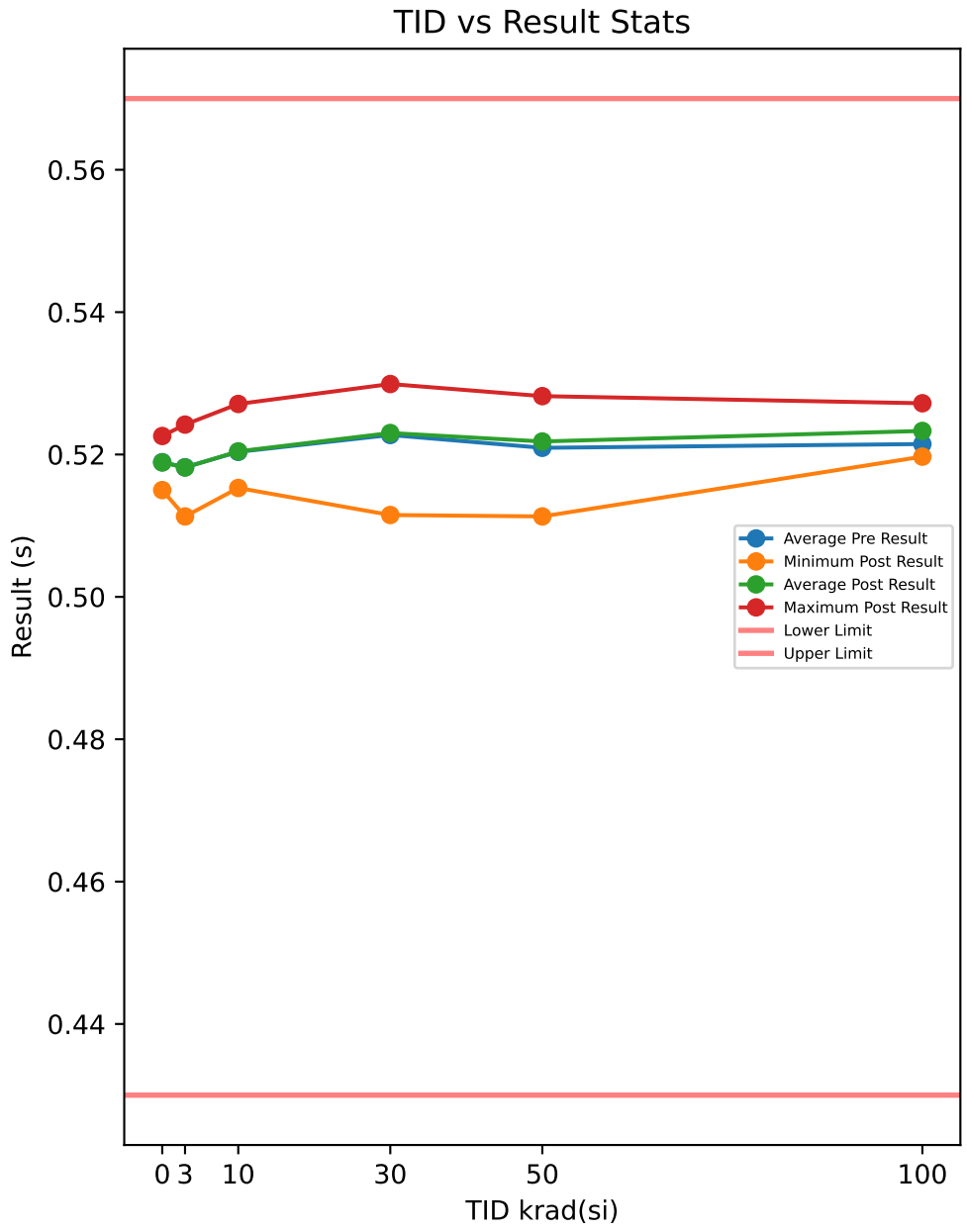
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2637	0.2652	0.0015
2	3	Biased	0.2623	0.2623	0
3	3	Biased	0.2702	0.271	0.0008
4	3	Biased	0.2707	0.2701	-0.0006
5	3	Biased	0.2693	0.2697	0.0004
6	3	Unbiased	0.2618	0.2622	0.0004
7	3	Unbiased	0.2696	0.2683	-0.0013
8	3	Unbiased	0.2621	0.2603	-0.0018
9	3	Unbiased	0.261	0.2606	-0.0004
10	3	Unbiased	0.2633	0.262	-0.0013
11	10	Biased	0.2695	0.2699	0.0004
12	10	Biased	0.2625	0.2641	0.0016
13	10	Biased	0.262	0.2621	0.0001
14	10	Biased	0.2715	0.2715	0
15	10	Biased	0.2702	0.2708	0.0006
16	10	Unbiased	0.27	0.2702	0.0002
17	10	Unbiased	0.2707	0.271	0.0003
18	10	Unbiased	0.2635	0.2622	-0.0013
19	10	Unbiased	0.2718	0.2702	-0.0016
20	10	Unbiased	0.2704	0.27	-0.0004
21	30	Biased	0.2627	0.2633	0.0006
22	30	Biased	0.2632	0.2635	0.0003
23	30	Biased	0.2693	0.2692	-0.0001
24	30	Biased	0.2735	0.2742	0.0007
25	30	Biased	0.2719	0.2724	0.0005
26	30	Unbiased	0.264	0.2625	-0.0015
27	30	Unbiased	0.2687	0.2704	0.0017
28	30	Unbiased	0.2628	0.263	0.0002
29	30	Unbiased	0.2626	0.2623	-0.0003
30	30	Unbiased	0.2716	0.2718	0.0002
31	50	Biased	0.2596	0.2597	0.0001
32	50	Biased	0.2732	0.2739	0.0007
33	50	Biased	0.2654	0.2652	-0.0002
34	50	Biased	0.2618	0.2625	0.0007
35	50	Biased	0.2697	0.2697	0
36	50	Unbiased	0.2718	0.2726	0.0008
37	50	Unbiased	0.2614	0.2628	0.0014
38	50	Unbiased	0.2726	0.2732	0.0006
39	50	Unbiased	0.2636	0.2662	0.0026
40	50	Unbiased	0.2653	0.265	-0.0003
41	100	Biased	0.2715	0.2721	0.0006
42	100	Biased	0.2626	0.2644	0.0018
43	100	Biased	0.2626	0.263	0.0004
44	100	Biased	0.264	0.2656	0.0016
45	100	Biased	0.2647	0.2649	0.0002
46	100	Unbiased	0.2622	0.2637	0.0015
47	100	Unbiased	0.2625	0.2638	0.0013
48	100	Unbiased	0.2705	0.2722	0.0017
49	100	Unbiased	0.2697	0.2706	0.0009
50	100	Unbiased	0.2717	0.2741	0.0024
51	0	Correlation	0.271	0.2704	-0.0006
52	0	Correlation	0.2714	0.2713	-0.0001
53	0	Correlation	0.2698	0.2701	0.0003
54	0	Correlation	0.2702	0.2706	0.0004
55	0	Correlation	0.2638	0.2638	0

Test Statistics (ms)

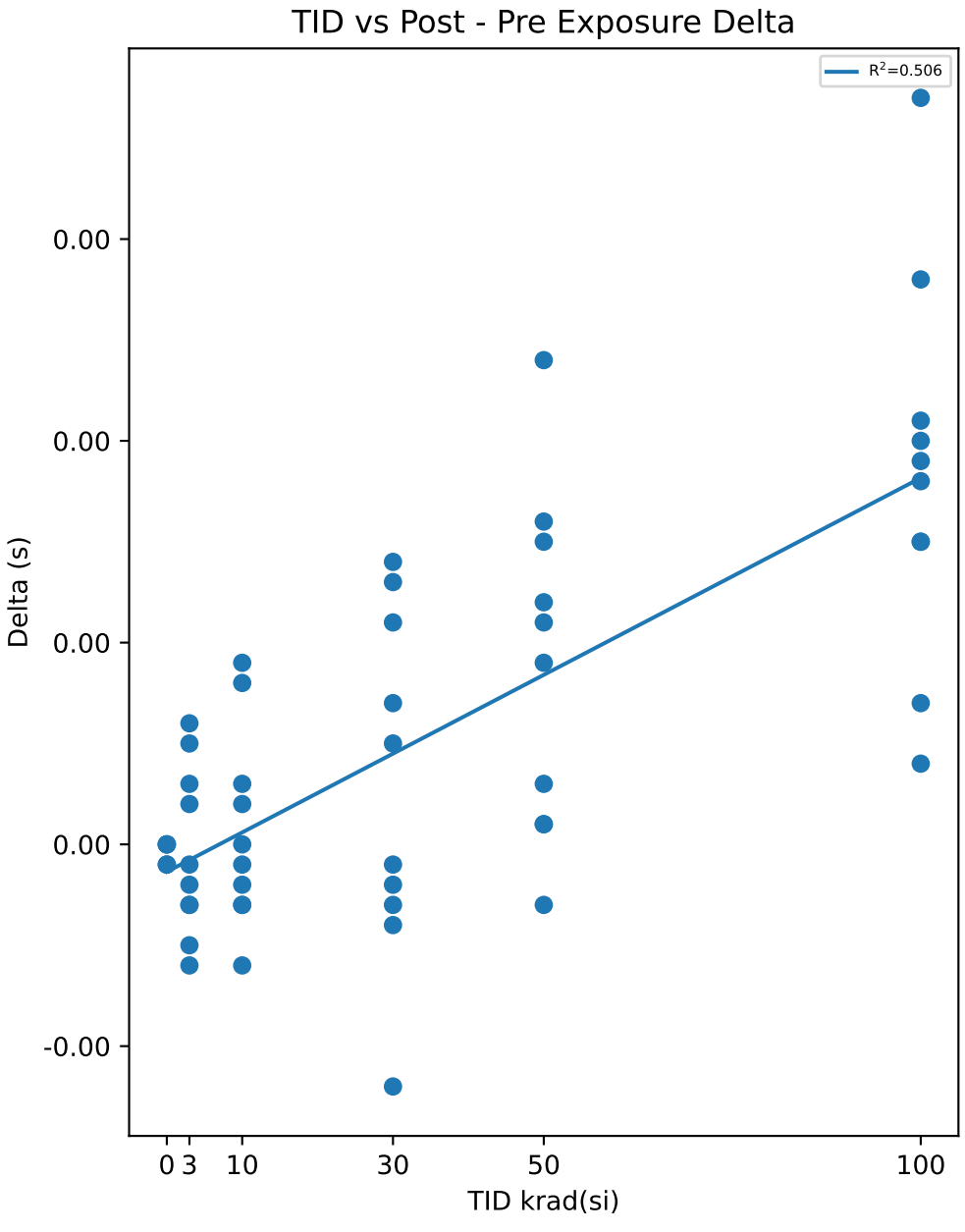
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2638	0.26924	0.2714	0.0031061	0.2638	0.26924	0.2713	0.0030729	-0.0006	0	0.0004	0.0003937
3	0.261	0.2654	0.2707	0.0040014	0.2603	0.26517	0.271	0.0042206	-0.0018	-0.00023	0.0015	0.0010446
10	0.262	0.26821	0.2718	0.0039	0.2621	0.2682	0.2715	0.0037953	-0.0016	-1e-05	0.0016	0.00092069
30	0.2626	0.26703	0.2735	0.0044035	0.2623	0.26726	0.2742	0.0047615	-0.0015	0.00023	0.0017	0.0008152
50	0.2596	0.26644	0.2732	0.005024	0.2597	0.26708	0.2739	0.0049855	-0.0003	0.00064	0.0026	0.00086564
100	0.2622	0.2662	0.2717	0.0041066	0.263	0.26744	0.2741	0.0042784	0.0002	0.00124	0.0024	0.00069793

Device Test: 5.77; WD_TMR_10KOHM



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

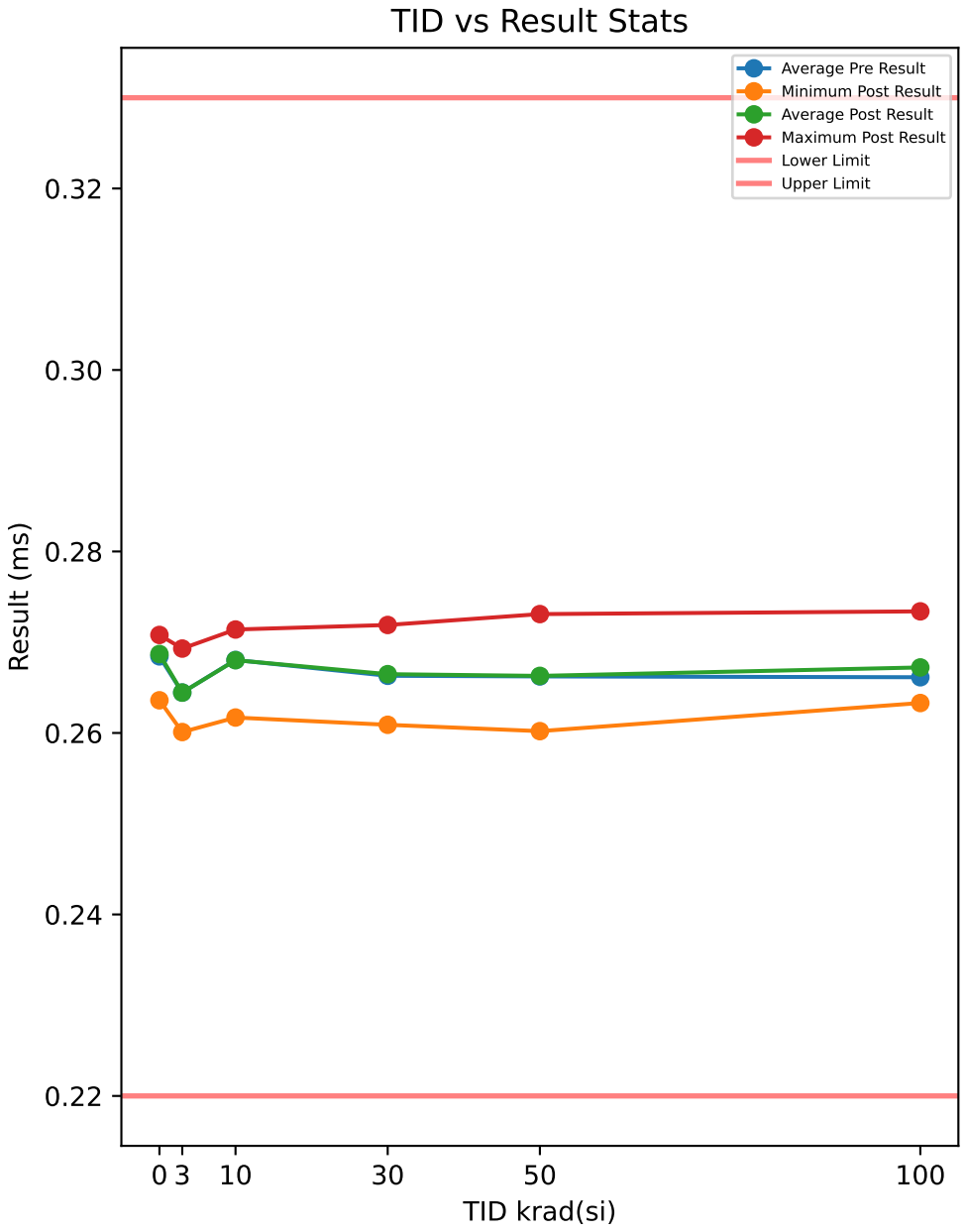
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.524	0.5242	0.0002
2	3	Biased	0.5108	0.5113	0.0005
3	3	Biased	0.5201	0.5195	-0.0006
4	3	Biased	0.521	0.5205	-0.0005
5	3	Biased	0.5225	0.5223	-0.0002
6	3	Unbiased	0.5188	0.5187	-0.0001
7	3	Unbiased	0.5161	0.5164	0.0003
8	3	Unbiased	0.5153	0.5159	0.0006
9	3	Unbiased	0.5178	0.5175	-0.0003
10	3	Unbiased	0.5157	0.5154	-0.0003
11	10	Biased	0.5204	0.5204	0
12	10	Biased	0.5207	0.5205	-0.0002
13	10	Biased	0.5217	0.5214	-0.0003
14	10	Biased	0.5272	0.5271	-0.0001
15	10	Biased	0.5144	0.5153	0.0009
16	10	Unbiased	0.5223	0.522	-0.0003
17	10	Unbiased	0.5225	0.5233	0.0008
18	10	Unbiased	0.5192	0.5194	0.0002
19	10	Unbiased	0.5152	0.5155	0.0003
20	10	Unbiased	0.5201	0.5195	-0.0006
21	30	Biased	0.5245	0.5244	-0.0001
22	30	Biased	0.5253	0.5251	-0.0002
23	30	Biased	0.5198	0.5195	-0.0003
24	30	Biased	0.5241	0.5237	-0.0004
25	30	Biased	0.511	0.5115	0.0005
26	30	Unbiased	0.5209	0.5216	0.0007
27	30	Unbiased	0.5214	0.5227	0.0013
28	30	Unbiased	0.5311	0.5299	-0.0012
29	30	Unbiased	0.521	0.5221	0.0011
30	30	Unbiased	0.5283	0.5297	0.0014
31	50	Biased	0.5116	0.5113	-0.0003
32	50	Biased	0.5208	0.522	0.0012
33	50	Biased	0.5249	0.525	0.0001
34	50	Biased	0.5187	0.5188	0.0001
35	50	Biased	0.5215	0.5224	0.0009
36	50	Unbiased	0.5205	0.5208	0.0003
37	50	Unbiased	0.5208	0.5232	0.0024
38	50	Unbiased	0.5256	0.5271	0.0015
39	50	Unbiased	0.5266	0.5282	0.0016
40	50	Unbiased	0.5184	0.5195	0.0011
41	100	Biased	0.5257	0.5272	0.0015
42	100	Biased	0.5225	0.5243	0.0018
43	100	Biased	0.519	0.5218	0.0028
44	100	Biased	0.5244	0.5248	0.0004
45	100	Biased	0.5218	0.5233	0.0015
46	100	Unbiased	0.5238	0.5245	0.0007
47	100	Unbiased	0.5211	0.5248	0.0037
48	100	Unbiased	0.5178	0.5197	0.0019
49	100	Unbiased	0.5179	0.5199	0.002
50	100	Unbiased	0.5207	0.5228	0.0021
51	0	Correlation	0.5215	0.5215	0
52	0	Correlation	0.515	0.515	0
53	0	Correlation	0.517	0.517	0
54	0	Correlation	0.5227	0.5226	-0.0001
55	0	Correlation	0.5184	0.5183	-0.0001

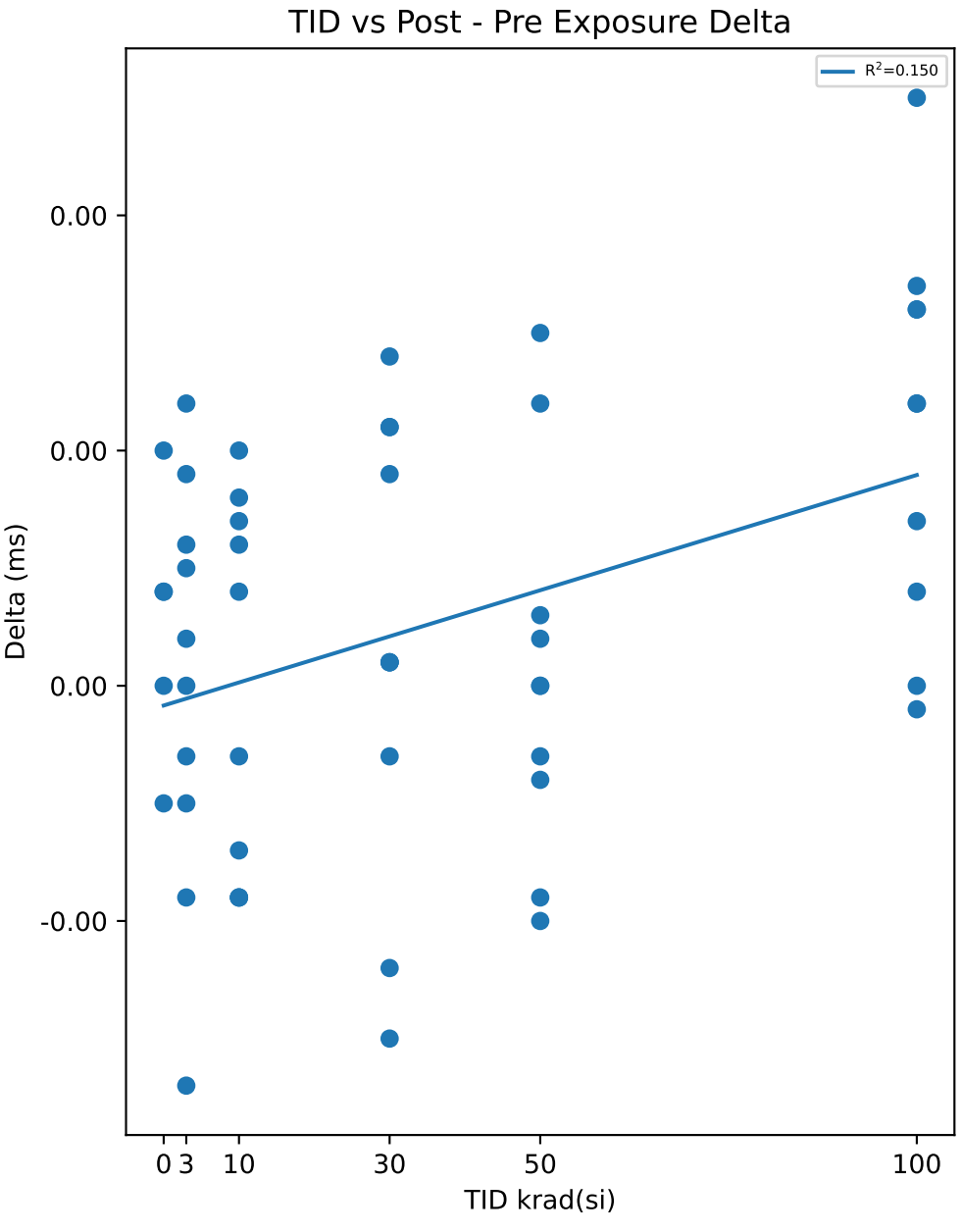


Test Statistics (s)

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	0.515	0.51892	0.5227	0.0031729	0.515	0.51888	0.5226	0.0031475	-0.0001	-4e-05	0	5.4772e-05
3	0.5108	0.51821	0.524	0.0039148	0.5113	0.51817	0.5242	0.0037193	-0.0006	-4e-05	0.0006	0.00041687
10	0.5144	0.52037	0.5272	0.0036606	0.5153	0.52044	0.5271	0.0034751	-0.0006	7e-05	0.0009	0.00048546
30	0.511	0.52274	0.5311	0.0054465	0.5115	0.52302	0.5299	0.0052357	-0.0012	0.00028	0.0014	0.00085349
50	0.5116	0.52094	0.5266	0.0043293	0.5113	0.52183	0.5282	0.0047979	-0.0003	0.00089	0.0024	0.00083726
100	0.5178	0.52147	0.5257	0.0027105	0.5197	0.52331	0.5272	0.0023374	0.0004	0.00184	0.0037	0.00094775

Device Test: 5.78; DLY_TMR_10KOHM





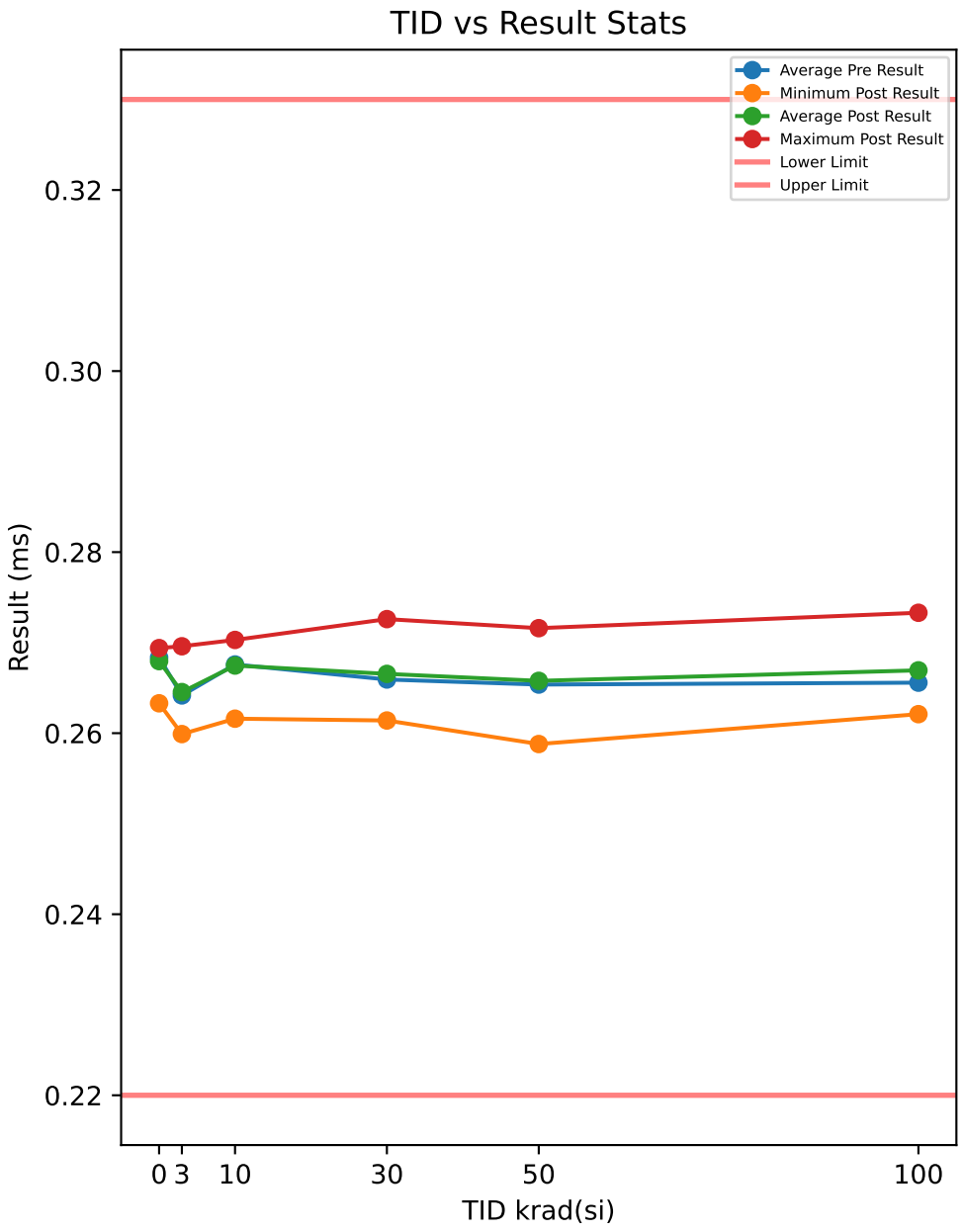
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

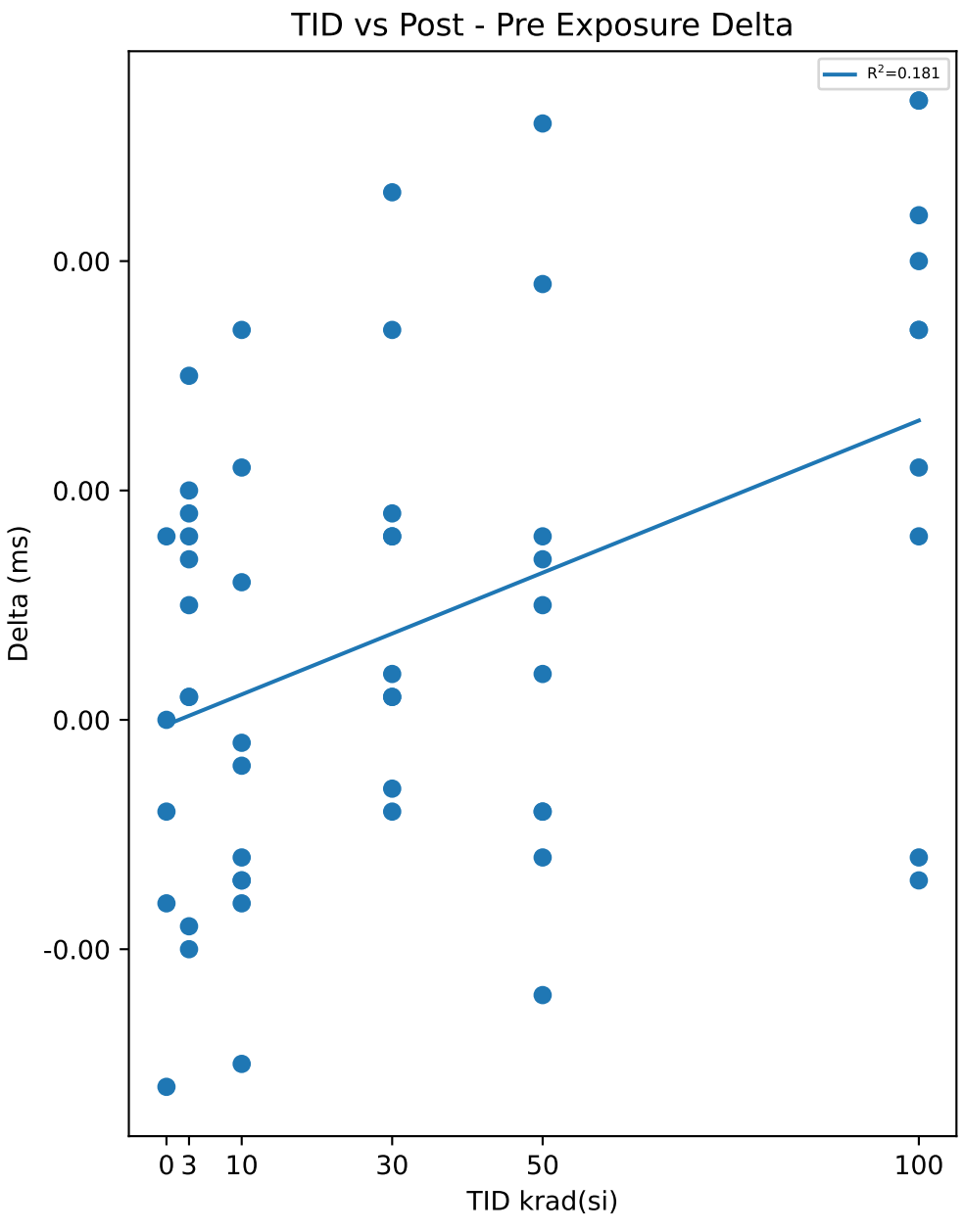
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2637	0.2643	0.0006
2	3	Biased	0.2623	0.2614	-0.0009
3	3	Biased	0.269	0.2692	0.0002
4	3	Biased	0.2693	0.2693	0
5	3	Biased	0.2693	0.2676	-0.0017
6	3	Unbiased	0.2612	0.2621	0.0009
7	3	Unbiased	0.2676	0.2681	0.0005
8	3	Unbiased	0.2599	0.2611	0.0012
9	3	Unbiased	0.2606	0.2601	-0.0005
10	3	Unbiased	0.2616	0.2613	-0.0003
11	10	Biased	0.2686	0.2693	0.0007
12	10	Biased	0.2635	0.2632	-0.0003
13	10	Biased	0.2628	0.2619	-0.0009
14	10	Biased	0.2721	0.2714	-0.0007
15	10	Biased	0.2709	0.27	-0.0009
16	10	Unbiased	0.2686	0.2696	0.001
17	10	Unbiased	0.2701	0.2709	0.0008
18	10	Unbiased	0.2626	0.2617	-0.0009
19	10	Unbiased	0.2707	0.2711	0.0004
20	10	Unbiased	0.2705	0.2711	0.0006
21	30	Biased	0.2632	0.2617	-0.0015
22	30	Biased	0.2636	0.2647	0.0011
23	30	Biased	0.2686	0.2695	0.0009
24	30	Biased	0.2718	0.2719	0.0001
25	30	Biased	0.272	0.2717	-0.0003
26	30	Unbiased	0.2624	0.2625	0.0001
27	30	Unbiased	0.2681	0.2695	0.0014
28	30	Unbiased	0.2621	0.2609	-0.0012
29	30	Unbiased	0.2603	0.2614	0.0011
30	30	Unbiased	0.2709	0.271	0.0001
31	50	Biased	0.2605	0.2602	-0.0003
32	50	Biased	0.2712	0.2727	0.0015
33	50	Biased	0.265	0.264	-0.001
34	50	Biased	0.2615	0.2615	0
35	50	Biased	0.2698	0.2689	-0.0009
36	50	Unbiased	0.2719	0.2731	0.0012
37	50	Unbiased	0.262	0.262	0
38	50	Unbiased	0.2718	0.272	0.0002
39	50	Unbiased	0.2644	0.2647	0.0003
40	50	Unbiased	0.2642	0.2638	-0.0004
41	100	Biased	0.2705	0.2721	0.0016
42	100	Biased	0.2637	0.2641	0.0004
43	100	Biased	0.2617	0.2633	0.0016
44	100	Biased	0.2633	0.2658	0.0025
45	100	Biased	0.264	0.264	0
46	100	Unbiased	0.2617	0.2634	0.0017
47	100	Unbiased	0.2628	0.2635	0.0007
48	100	Unbiased	0.2713	0.2725	0.0012
49	100	Unbiased	0.2702	0.2701	-0.0001
50	100	Unbiased	0.2722	0.2734	0.0012
51	0	Correlation	0.2696	0.2706	0.001
52	0	Correlation	0.2708	0.2708	0
53	0	Correlation	0.2692	0.2696	0.0004
54	0	Correlation	0.2685	0.2689	0.0004
55	0	Correlation	0.2641	0.2636	-0.0005

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	0.2641	0.26844	0.2708	0.0025657	0.2636	0.2687	0.2708	0.002953	-0.0005	0.00026	0.001	0.00055498
3	0.2599	0.26445	0.2693	0.0039025	0.2601	0.26445	0.2693	0.0037155	-0.0017	0	0.0012	0.00087813
10	0.2626	0.26804	0.2721	0.0036564	0.2617	0.26802	0.2714	0.0040466	-0.0009	-2e-05	0.001	0.00079274
30	0.2603	0.2663	0.272	0.0044495	0.2609	0.26648	0.2719	0.0046439	-0.0015	0.00018	0.0014	0.00098184
50	0.2605	0.26623	0.2719	0.0045056	0.2602	0.26629	0.2731	0.0049361	-0.001	6e-05	0.0015	0.00080581
100	0.2617	0.26614	0.2722	0.0043208	0.2633	0.26722	0.2734	0.00427	-0.0001	0.00108	0.0025	0.0008257

Device Test: 5.79; DLY_TMR_10KOHM





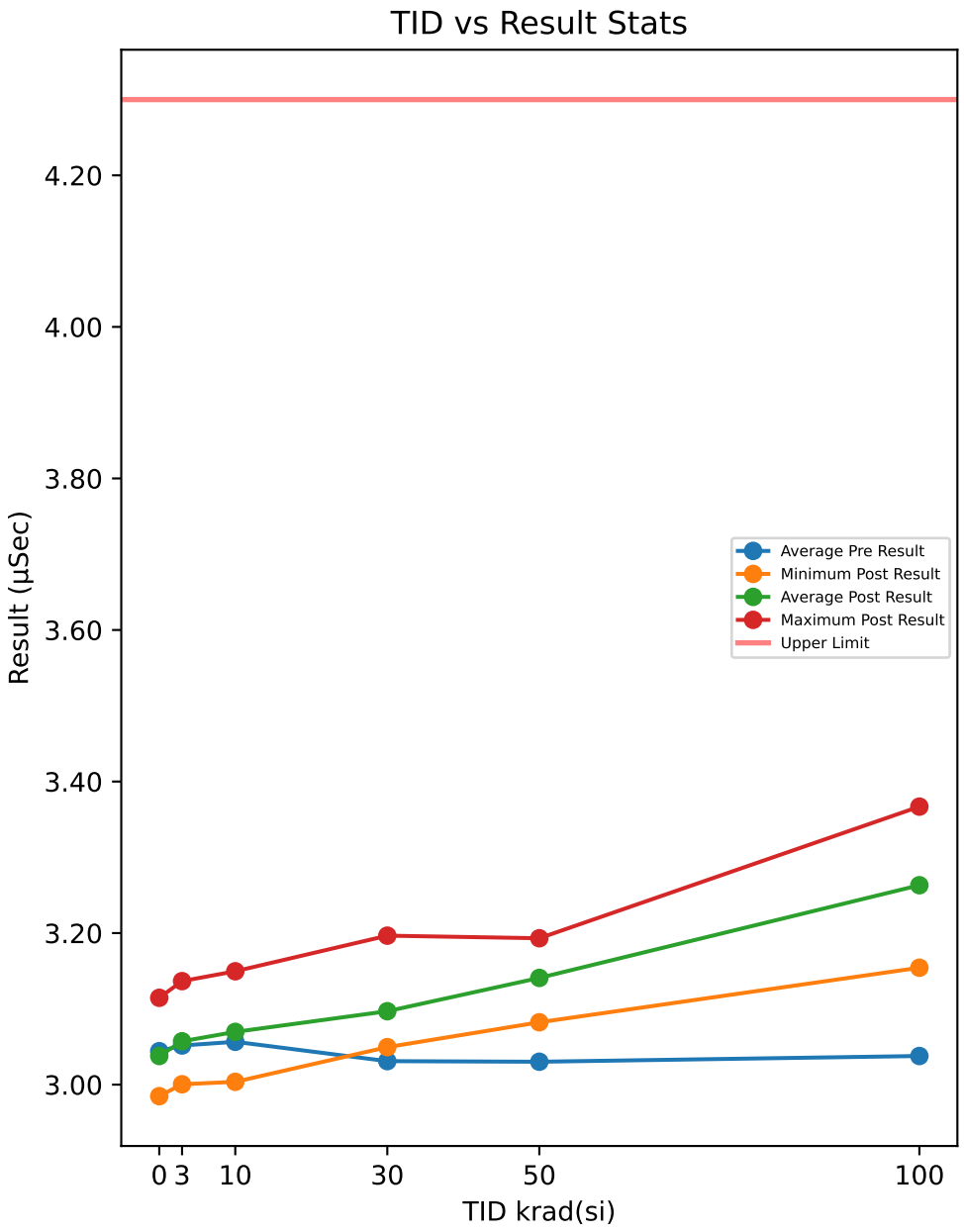
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.263	0.2631	0.0001
2	3	Biased	0.2614	0.2624	0.001
3	3	Biased	0.2687	0.2694	0.0007
4	3	Biased	0.2705	0.2696	-0.0009
5	3	Biased	0.2677	0.2685	0.0008
6	3	Unbiased	0.2608	0.2617	0.0009
7	3	Unbiased	0.2673	0.2674	0.0001
8	3	Unbiased	0.2606	0.2611	0.0005
9	3	Unbiased	0.2609	0.2599	-0.001
10	3	Unbiased	0.2608	0.2623	0.0015
11	10	Biased	0.2694	0.2693	-0.0001
12	10	Biased	0.2617	0.2634	0.0017
13	10	Biased	0.2614	0.2625	0.0011
14	10	Biased	0.2709	0.2703	-0.0006
15	10	Biased	0.2705	0.269	-0.0015
16	10	Unbiased	0.2683	0.2689	0.0006
17	10	Unbiased	0.2709	0.2702	-0.0007
18	10	Unbiased	0.2618	0.2616	-0.0002
19	10	Unbiased	0.2707	0.27	-0.0007
20	10	Unbiased	0.2703	0.2695	-0.0008
21	30	Biased	0.2613	0.2614	0.0001
22	30	Biased	0.2637	0.2633	-0.0004
23	30	Biased	0.2689	0.269	0.0001
24	30	Biased	0.2714	0.2722	0.0008
25	30	Biased	0.2703	0.2726	0.0023
26	30	Unbiased	0.2631	0.2633	0.0002
27	30	Unbiased	0.2679	0.2696	0.0017
28	30	Unbiased	0.2611	0.262	0.0009
29	30	Unbiased	0.2609	0.2617	0.0008
30	30	Unbiased	0.2707	0.2704	-0.0003
31	50	Biased	0.26	0.2588	-0.0012
32	50	Biased	0.272	0.2716	-0.0004
33	50	Biased	0.2625	0.2651	0.0026
34	50	Biased	0.2617	0.2613	-0.0004
35	50	Biased	0.2687	0.2681	-0.0006
36	50	Unbiased	0.271	0.2715	0.0005
37	50	Unbiased	0.2608	0.2616	0.0008
38	50	Unbiased	0.2707	0.2714	0.0007
39	50	Unbiased	0.2635	0.2637	0.0002
40	50	Unbiased	0.2628	0.2647	0.0019
41	100	Biased	0.2714	0.2725	0.0011
42	100	Biased	0.2615	0.2642	0.0027
43	100	Biased	0.2627	0.2621	-0.0006
44	100	Biased	0.2621	0.2648	0.0027
45	100	Biased	0.2649	0.2642	-0.0007
46	100	Unbiased	0.2613	0.2635	0.0022
47	100	Unbiased	0.2617	0.2634	0.0017
48	100	Unbiased	0.2701	0.2718	0.0017
49	100	Unbiased	0.2688	0.2696	0.0008
50	100	Unbiased	0.2713	0.2733	0.002
51	0	Correlation	0.2702	0.2694	-0.0008
52	0	Correlation	0.2696	0.2692	-0.0004
53	0	Correlation	0.2703	0.2687	-0.0016
54	0	Correlation	0.2692	0.2692	0
55	0	Correlation	0.2625	0.2633	0.0008

Test Statistics (ms)

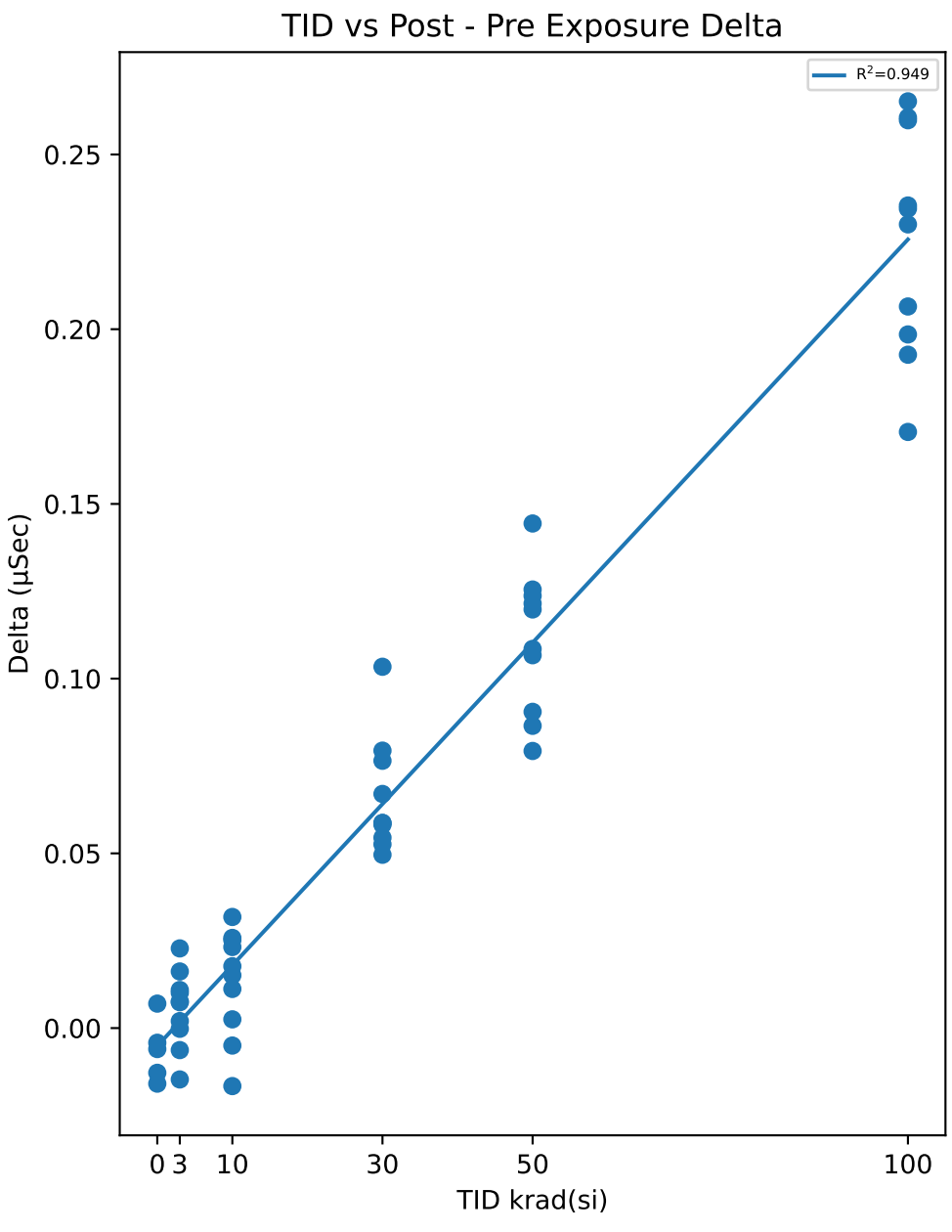
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2625	0.26836	0.2703	0.0033065	0.2633	0.26796	0.2694	0.0026178	-0.0016	-0.0004	0.0008	0.00089443
3	0.2606	0.26417	0.2705	0.0039164	0.2599	0.26454	0.2696	0.0037444	-0.001	0.00037	0.0015	0.00080973
10	0.2614	0.26759	0.2709	0.0041861	0.2616	0.26747	0.2703	0.0034871	-0.0015	-0.00012	0.0017	0.0009773
30	0.2609	0.26593	0.2714	0.0043143	0.2614	0.26655	0.2726	0.004601	-0.0004	0.00062	0.0023	0.00086513
50	0.26	0.26537	0.272	0.0046748	0.2588	0.26578	0.2716	0.004664	-0.0012	0.00041	0.0026	0.0011657
100	0.2613	0.26558	0.2714	0.004324	0.2621	0.26694	0.2733	0.004339	-0.0007	0.00136	0.0027	0.0012204

Device Test: 5.8; PROPD_PWRGD



Test Results (Upper Limit = 4.3 (µSec))

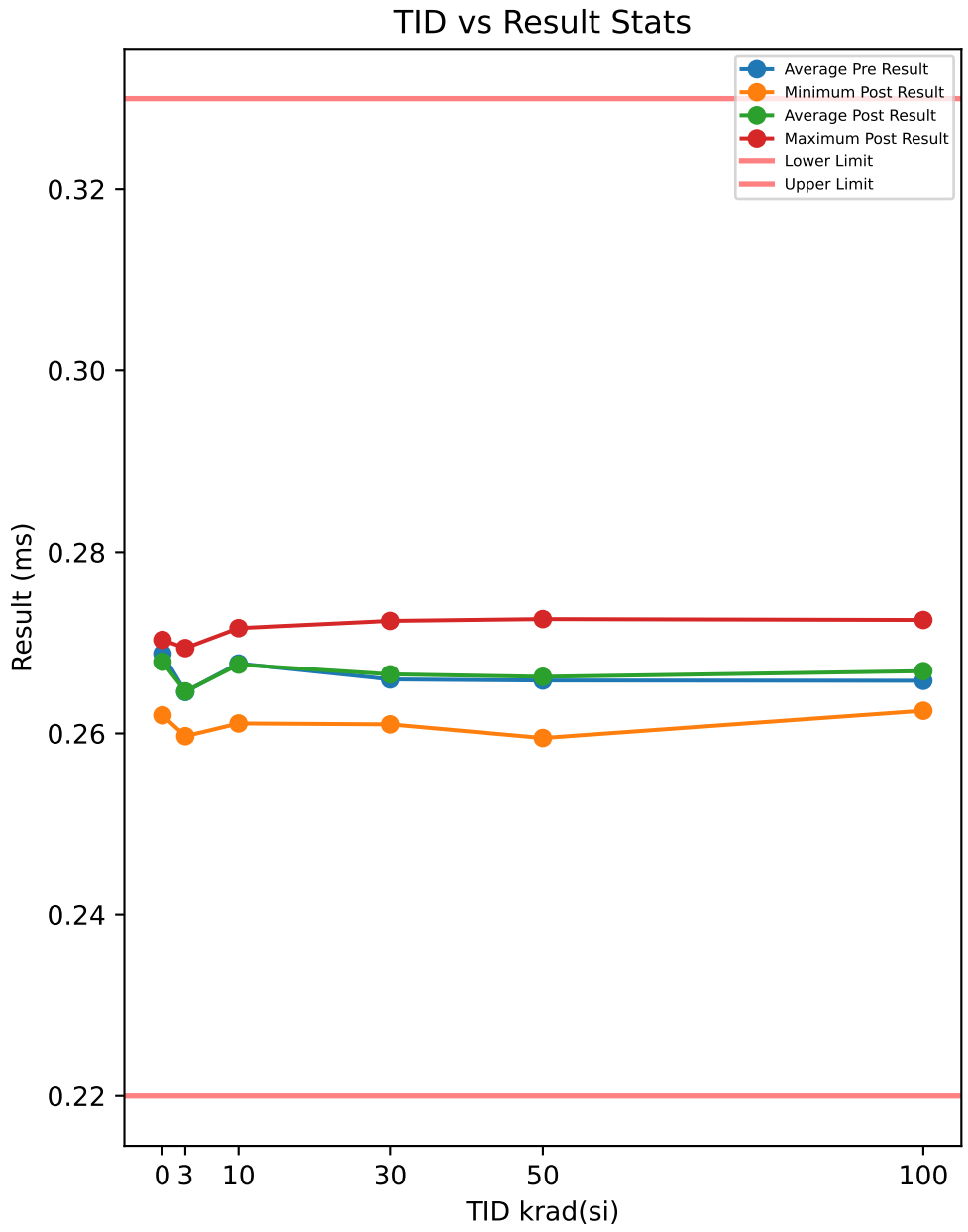
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	3.0121	3.0195	0.0074
2	3	Biased	3.1028	3.1048	0.002
3	3	Biased	3.0891	3.0744	-0.0147
4	3	Biased	3.0252	3.0353	0.0101
5	3	Biased	3.0036	3.0112	0.0076
6	3	Unbiased	3.0068	3.0005	-0.0063
7	3	Unbiased	3.1368	3.1366	-0.0002
8	3	Unbiased	3.0063	3.0172	0.0109
9	3	Unbiased	3.0385	3.0613	0.0228
10	3	Unbiased	3.0951	3.1113	0.0162
11	10	Biased	2.9925	3.0037	0.0112
12	10	Biased	3.0296	3.0554	0.0258
13	10	Biased	3.0728	3.0678	-0.005
14	10	Biased	3.0319	3.047	0.0151
15	10	Biased	3.0489	3.0323	-0.0166
16	10	Unbiased	3.0678	3.093	0.0252
17	10	Unbiased	3.1264	3.1496	0.0232
18	10	Unbiased	3.0931	3.1249	0.0318
19	10	Unbiased	3.0275	3.03	0.0025
20	10	Unbiased	3.0748	3.0925	0.0177
21	30	Biased	3.0102	3.0684	0.0582
22	30	Biased	2.9825	3.0495	0.067
23	30	Biased	3.1421	3.1966	0.0545
24	30	Biased	3.0138	3.0725	0.0587
25	30	Biased	3.0416	3.0942	0.0526
26	30	Unbiased	3.0287	3.0783	0.0496
27	30	Unbiased	3.0225	3.0812	0.0587
28	30	Unbiased	3.0147	3.0912	0.0765
29	30	Unbiased	3.0264	3.1058	0.0794
30	30	Unbiased	3.0276	3.131	0.1034
31	50	Biased	3.0681	3.1766	0.1085
32	50	Biased	3.075	3.1655	0.0905
33	50	Biased	3.003	3.0823	0.0793
34	50	Biased	3.0711	3.1576	0.0865
35	50	Biased	3.0677	3.1932	0.1255
36	50	Unbiased	3.0025	3.1092	0.1067
37	50	Unbiased	3.0207	3.1405	0.1198
38	50	Unbiased	2.9789	3.1233	0.1444
39	50	Unbiased	3.0149	3.1386	0.1237
40	50	Unbiased	3.0002	3.1217	0.1215
41	100	Biased	3.0245	3.223	0.1985
42	100	Biased	2.9997	3.2297	0.23
43	100	Biased	3.0164	3.2229	0.2065
44	100	Biased	3.0898	3.2825	0.1927
45	100	Biased	2.9837	3.1543	0.1706
46	100	Unbiased	3.09	3.3506	0.2606
47	100	Unbiased	3.0617	3.2971	0.2354
48	100	Unbiased	3.1017	3.3669	0.2652
49	100	Unbiased	3.0072	3.267	0.2598
50	100	Unbiased	3.0032	3.2377	0.2345
51	0	Correlation	3.0106	3.0176	0.007
52	0	Correlation	3.1305	3.1146	-0.0159
53	0	Correlation	2.989	2.9848	-0.0042
54	0	Correlation	3.0612	3.0552	-0.006
55	0	Correlation	3.0296	3.0168	-0.0128

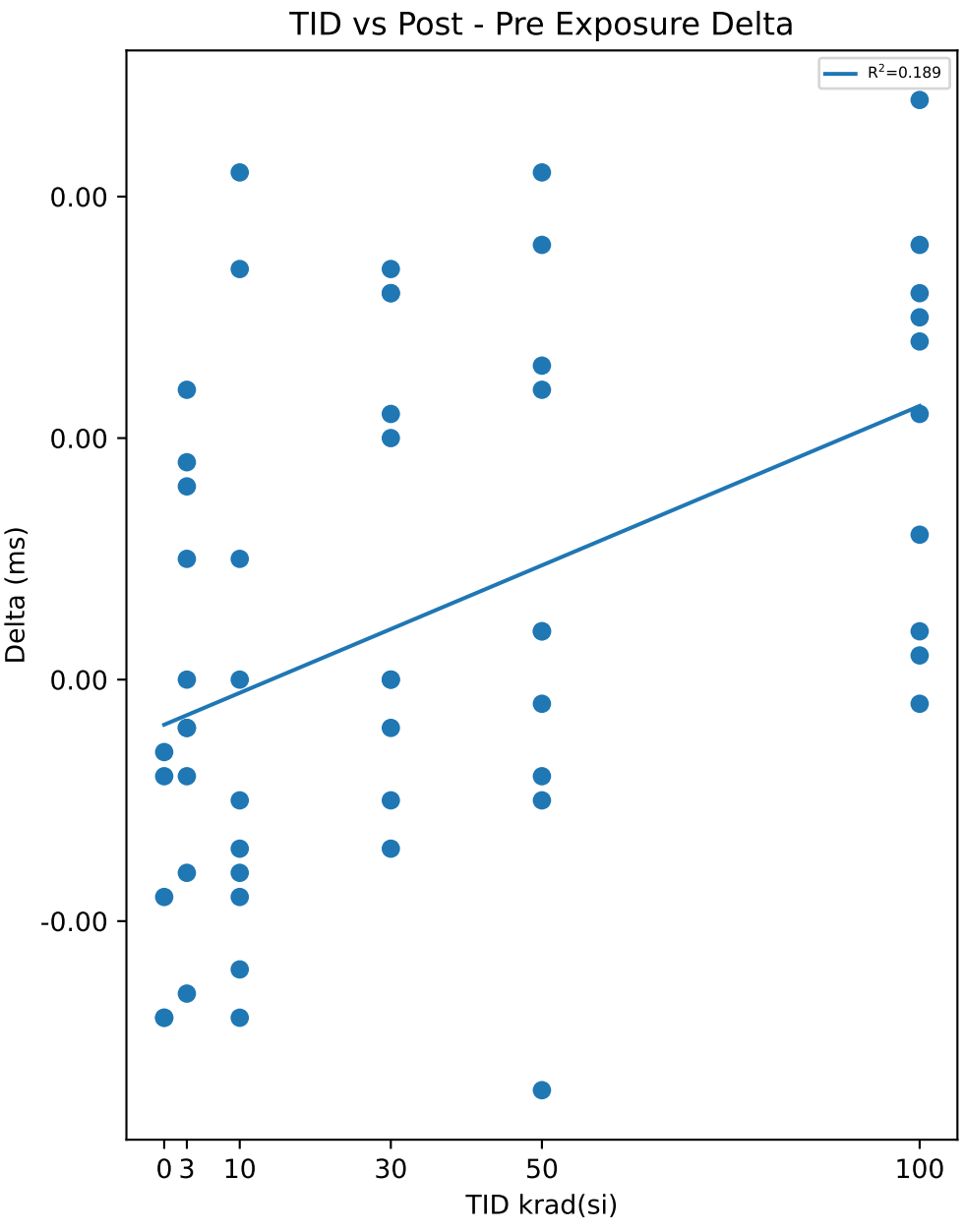


Test Statistics (µSec)

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	2.989	3.0442	3.1305	0.055059	2.9848	3.0378	3.1146	0.049646	-0.0159	-0.00638	0.007	0.0088849
3	3.0036	3.0516	3.1368	0.049409	3.0005	3.0572	3.1366	0.04789	-0.0147	0.00558	0.0228	0.010873
10	2.9925	3.0565	3.1264	0.038409	3.0037	3.0696	3.1496	0.045397	-0.0166	0.01309	0.0318	0.015312
30	2.9825	3.031	3.1421	0.042048	3.0495	3.0969	3.1966	0.041458	0.0496	0.06586	0.1034	0.016457
50	2.9789	3.0302	3.075	0.03634	3.0823	3.1408	3.1932	0.033361	0.0793	0.11064	0.1444	0.020341
100	2.9837	3.0378	3.1017	0.043754	3.1543	3.2632	3.3669	0.063945	0.1706	0.22538	0.2652	0.032255

Device Test: 5.80; DLY_TMR_10KOHM





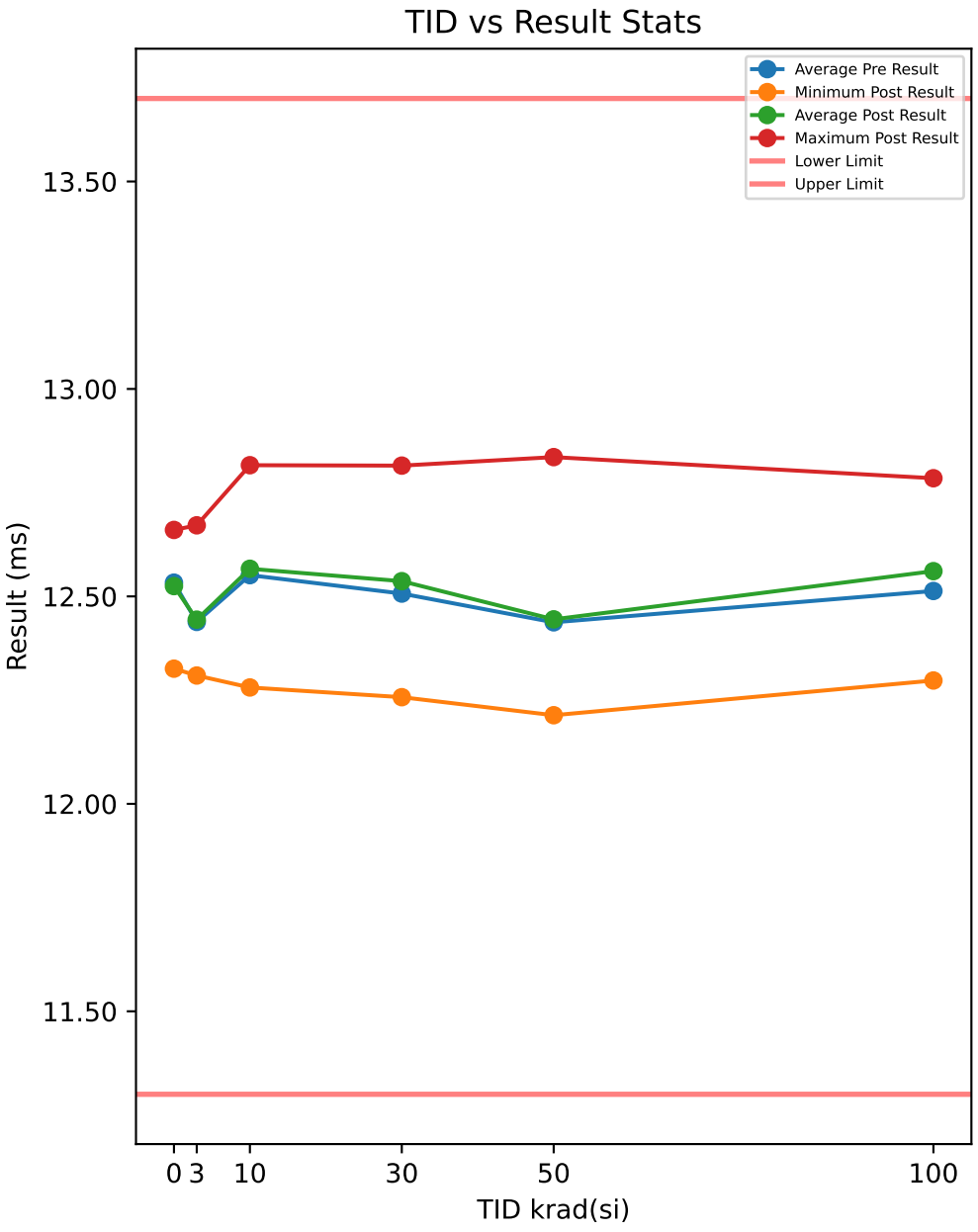
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

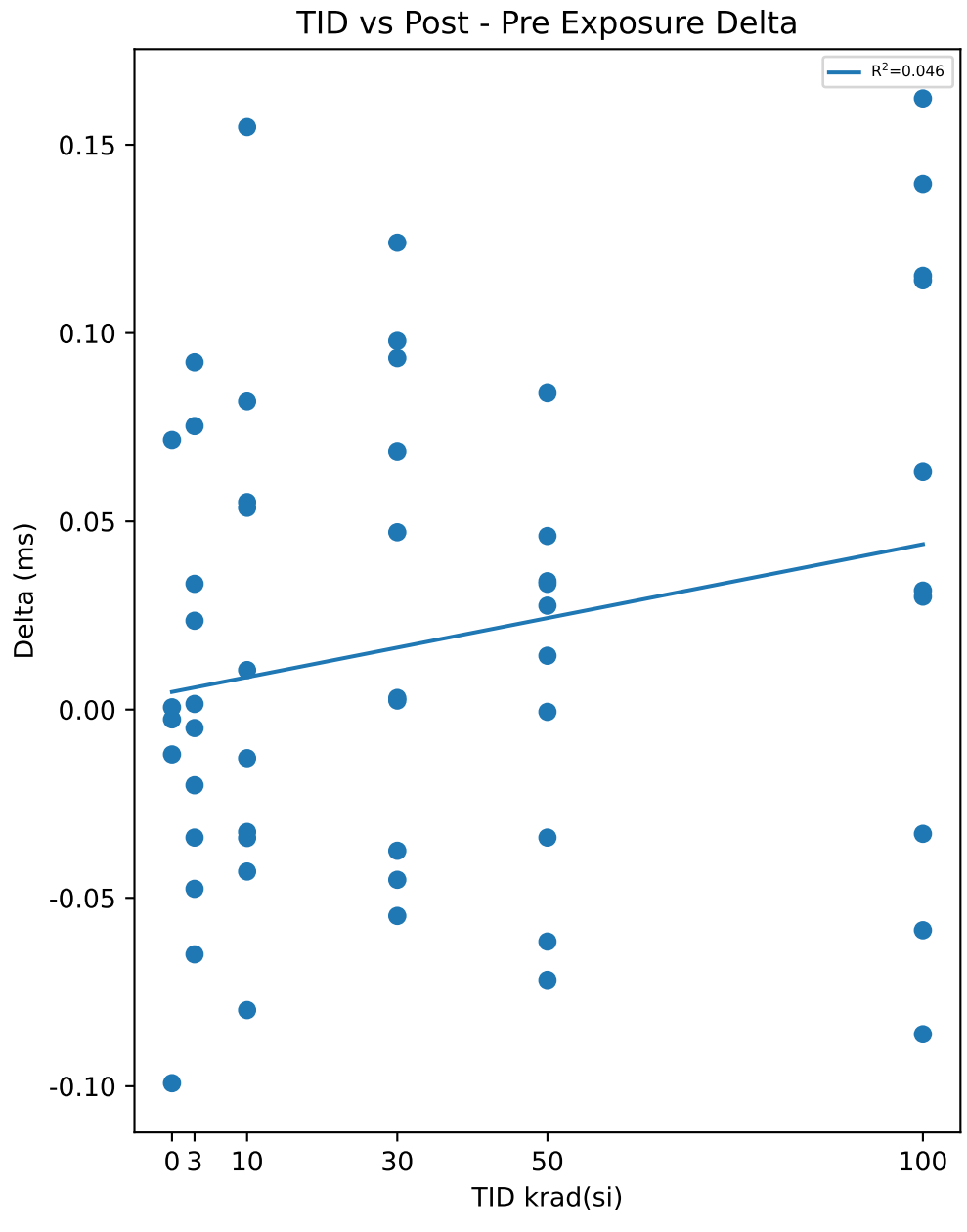
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2634	0.2642	0.0008
2	3	Biased	0.2616	0.2625	0.0009
3	3	Biased	0.2694	0.2692	-0.0002
4	3	Biased	0.2707	0.2694	-0.0013
5	3	Biased	0.268	0.268	0
6	3	Unbiased	0.2613	0.2618	0.0005
7	3	Unbiased	0.2688	0.268	-0.0008
8	3	Unbiased	0.2601	0.2597	-0.0004
9	3	Unbiased	0.261	0.2608	-0.0002
10	3	Unbiased	0.2615	0.2627	0.0012
11	10	Biased	0.268	0.2697	0.0017
12	10	Biased	0.2626	0.2621	-0.0005
13	10	Biased	0.262	0.2611	-0.0009
14	10	Biased	0.2717	0.2703	-0.0014
15	10	Biased	0.2708	0.27	-0.0008
16	10	Unbiased	0.2687	0.268	-0.0007
17	10	Unbiased	0.2695	0.2716	0.0021
18	10	Unbiased	0.2619	0.2624	0.0005
19	10	Unbiased	0.2708	0.2708	0
20	10	Unbiased	0.271	0.2698	-0.0012
21	30	Biased	0.2616	0.2614	-0.0002
22	30	Biased	0.2633	0.2633	0
23	30	Biased	0.2699	0.2694	-0.0005
24	30	Biased	0.2731	0.2724	-0.0007
25	30	Biased	0.2706	0.2717	0.0011
26	30	Unbiased	0.2616	0.2632	0.0016
27	30	Unbiased	0.2676	0.2693	0.0017
28	30	Unbiased	0.261	0.261	0
29	30	Unbiased	0.2604	0.262	0.0016
30	30	Unbiased	0.2704	0.2714	0.001
31	50	Biased	0.26	0.2595	-0.0005
32	50	Biased	0.2721	0.2723	0.0002
33	50	Biased	0.2636	0.2648	0.0012
34	50	Biased	0.2621	0.2604	-0.0017
35	50	Biased	0.2699	0.2695	-0.0004
36	50	Unbiased	0.2708	0.2726	0.0018
37	50	Unbiased	0.2613	0.2612	-0.0001
38	50	Unbiased	0.2714	0.2716	0.0002
39	50	Unbiased	0.2643	0.2656	0.0013
40	50	Unbiased	0.2628	0.2649	0.0021
41	100	Biased	0.27	0.2714	0.0014
42	100	Biased	0.262	0.2635	0.0015
43	100	Biased	0.2617	0.2635	0.0018
44	100	Biased	0.264	0.2656	0.0016
45	100	Biased	0.2636	0.2642	0.0006
46	100	Unbiased	0.2626	0.2625	-0.0001
47	100	Unbiased	0.2622	0.2633	0.0011
48	100	Unbiased	0.2711	0.2712	0.0001
49	100	Unbiased	0.2685	0.2709	0.0024
50	100	Unbiased	0.2723	0.2725	0.0002
51	0	Correlation	0.27	0.2686	-0.0014
52	0	Correlation	0.2701	0.2692	-0.0009
53	0	Correlation	0.2707	0.2703	-0.0004
54	0	Correlation	0.2697	0.2694	-0.0003
55	0	Correlation	0.2634	0.262	-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	0.2634	0.26878	0.2707	0.0030294	0.262	0.2679	0.2703	0.0033541	-0.0014	-0.00088	-0.0003	0.00052631
3	0.2601	0.26458	0.2707	0.0041311	0.2597	0.26463	0.2694	0.0036785	-0.0013	5e-05	0.0012	0.00079477
10	0.2619	0.2677	0.2717	0.0039802	0.2611	0.26758	0.2716	0.0040584	-0.0014	-0.00012	0.0021	0.0012017
30	0.2604	0.26595	0.2731	0.0048425	0.261	0.26651	0.2724	0.0047111	-0.0007	0.00056	0.0017	0.00093476
50	0.26	0.26583	0.2721	0.0046729	0.2595	0.26624	0.2726	0.0050083	-0.0017	0.00041	0.0021	0.001178
100	0.2617	0.2658	0.2723	0.0041873	0.2625	0.26686	0.2725	0.0040893	-0.0001	0.00106	0.0024	0.00082758

Device Test: 5.81; DLY_TMR_500KOHM





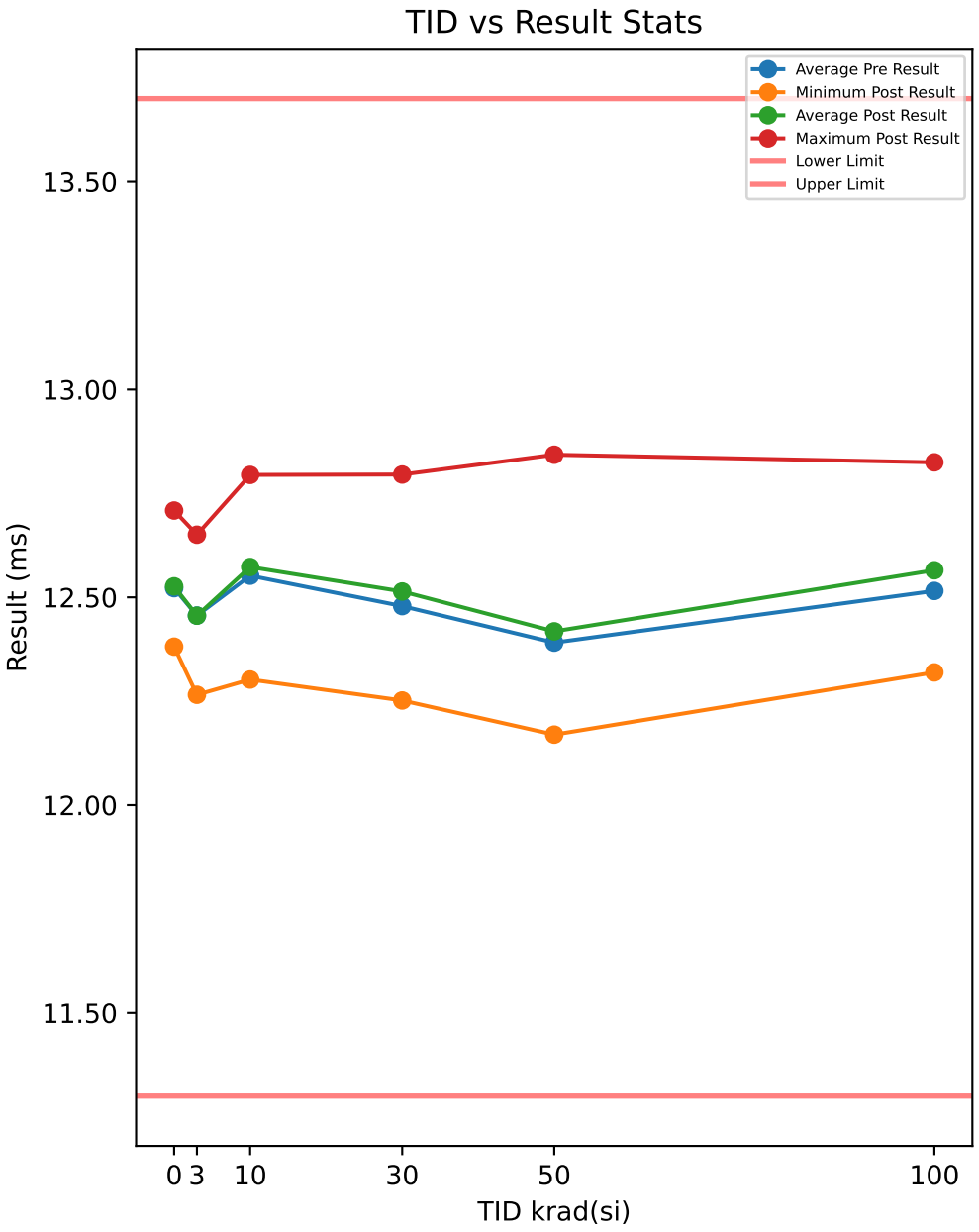
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

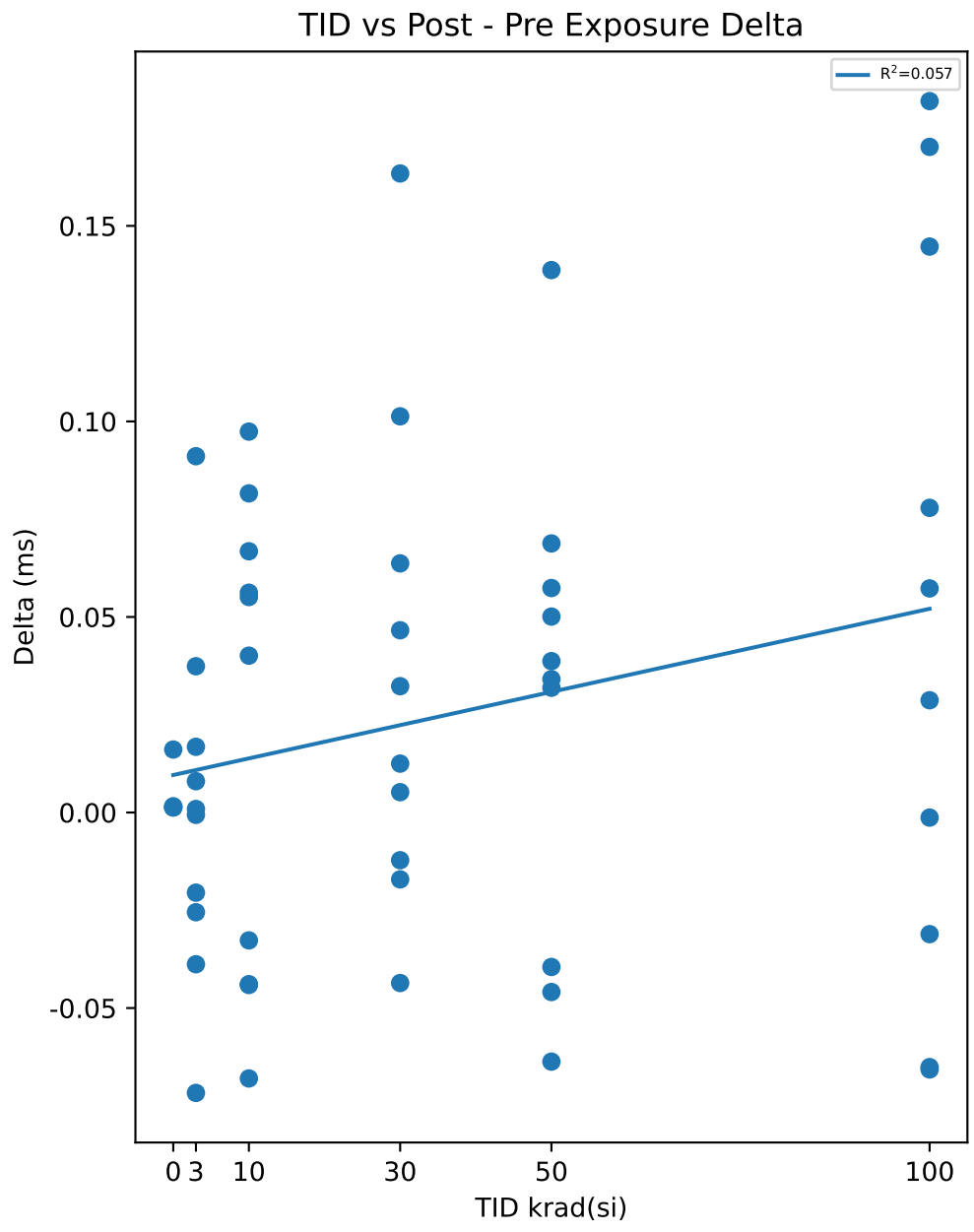
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.674	12.609	-0.065
2	3	Biased	12.373	12.448	0.0753
3	3	Biased	12.512	12.514	0.0015
4	3	Biased	12.719	12.671	-0.0476
5	3	Biased	12.477	12.444	-0.034
6	3	Unbiased	12.22	12.313	0.0923
7	3	Unbiased	12.327	12.322	-0.0049
8	3	Unbiased	12.285	12.319	0.0334
9	3	Unbiased	12.468	12.492	0.0236
10	3	Unbiased	12.329	12.309	-0.0201
11	10	Biased	12.375	12.457	0.0819
12	10	Biased	12.361	12.318	-0.043
13	10	Biased	12.315	12.28	-0.0341
14	10	Biased	12.662	12.816	0.1547
15	10	Biased	12.453	12.42	-0.0325
16	10	Unbiased	12.729	12.739	0.0105
17	10	Unbiased	12.67	12.723	0.0536
18	10	Unbiased	12.512	12.499	-0.0129
19	10	Unbiased	12.711	12.631	-0.0798
20	10	Unbiased	12.727	12.782	0.0551
21	30	Biased	12.566	12.52	-0.0452
22	30	Biased	12.546	12.64	0.0934
23	30	Biased	12.331	12.334	0.0024
24	30	Biased	12.627	12.674	0.0471
25	30	Biased	12.691	12.815	0.124
26	30	Unbiased	12.505	12.508	0.0031
27	30	Unbiased	12.496	12.594	0.0979
28	30	Unbiased	12.339	12.284	-0.0548
29	30	Unbiased	12.295	12.257	-0.0375
30	30	Unbiased	12.672	12.74	0.0686
31	50	Biased	12.316	12.344	0.0276
32	50	Biased	12.752	12.836	0.0841
33	50	Biased	12.281	12.247	-0.034
34	50	Biased	12.275	12.214	-0.0616
35	50	Biased	12.581	12.509	-0.0718
36	50	Unbiased	12.611	12.657	0.0461
37	50	Unbiased	12.289	12.322	0.0334
38	50	Unbiased	12.644	12.678	0.0341
39	50	Unbiased	12.297	12.297	-0.0006
40	50	Unbiased	12.329	12.343	0.0143
41	100	Biased	12.703	12.644	-0.0586
42	100	Biased	12.451	12.483	0.0316
43	100	Biased	12.267	12.297	0.03
44	100	Biased	12.317	12.432	0.1152
45	100	Biased	12.397	12.364	-0.033
46	100	Unbiased	12.588	12.75	0.1623
47	100	Unbiased	12.394	12.533	0.1396
48	100	Unbiased	12.667	12.73	0.0631
49	100	Unbiased	12.676	12.589	-0.0862
50	100	Unbiased	12.671	12.785	0.114
51	0	Correlation	12.374	12.445	0.0716
52	0	Correlation	12.759	12.66	-0.0992
53	0	Correlation	12.636	12.624	-0.0119
54	0	Correlation	12.571	12.569	-0.0026
55	0	Correlation	12.325	12.326	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	12.325	12.533	12.759	0.18162	12.326	12.525	12.66	0.13792	-0.0992	-0.0083	0.0716	0.060769
3	12.22	12.439	12.719	0.16382	12.309	12.444	12.671	0.12992	-0.065	0.00545	0.0923	0.051253
10	12.315	12.551	12.729	0.16617	12.28	12.567	12.816	0.19689	-0.0798	0.01535	0.1547	0.070636
30	12.295	12.507	12.691	0.14333	12.257	12.537	12.815	0.19327	-0.0548	0.0299	0.124	0.065095
50	12.275	12.438	12.752	0.18588	12.214	12.445	12.836	0.21252	-0.0718	0.00716	0.0841	0.049482
100	12.267	12.513	12.703	0.16565	12.297	12.561	12.785	0.16797	-0.0862	0.0478	0.1623	0.086334

Device Test: 5.82; DLY_TMR_500KOHM





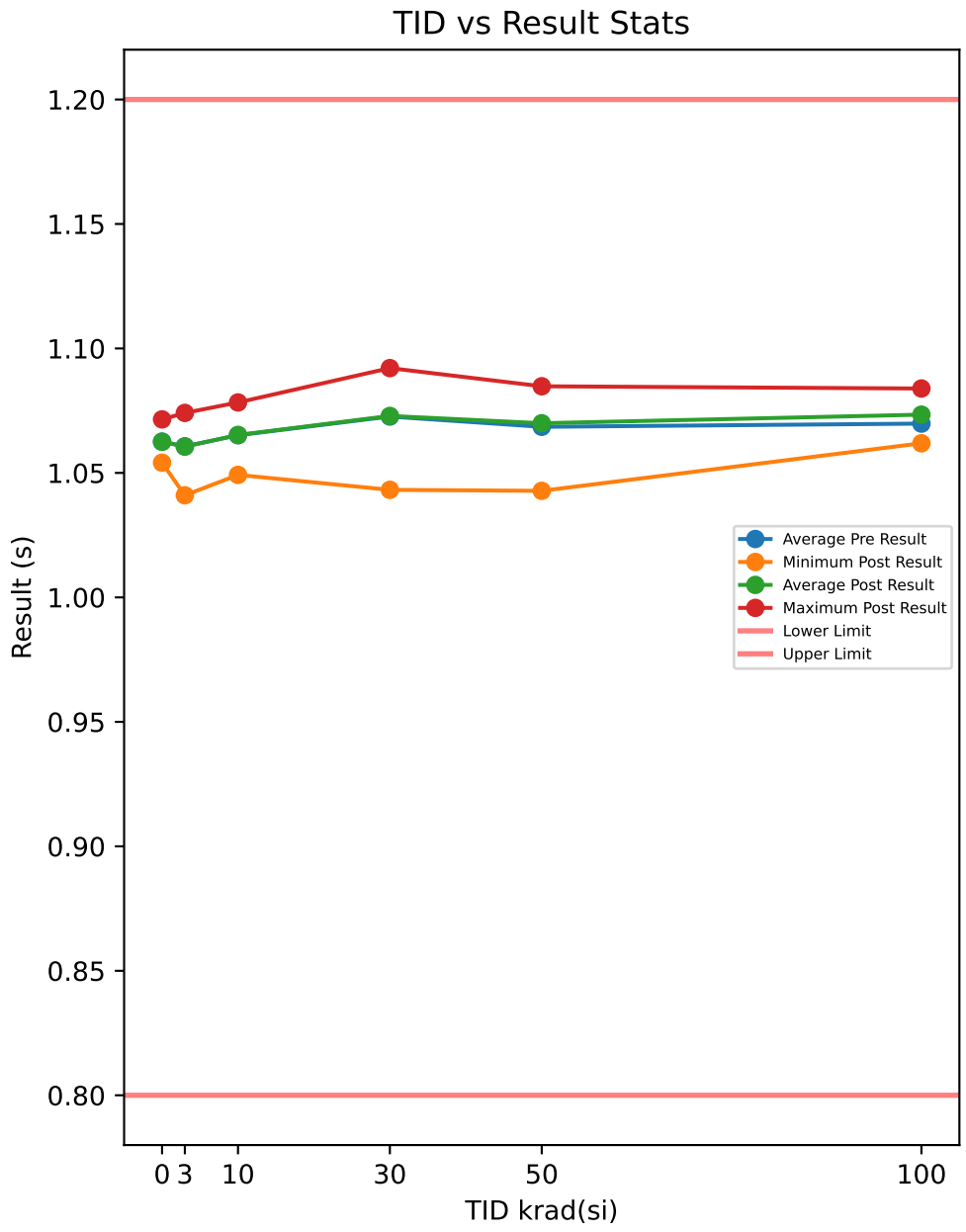
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.632	12.606	-0.0255
2	3	Biased	12.425	12.432	0.008
3	3	Biased	12.463	12.554	0.0911
4	3	Biased	12.671	12.651	-0.0205
5	3	Biased	12.528	12.489	-0.0388
6	3	Unbiased	12.245	12.283	0.0374
7	3	Unbiased	12.379	12.379	-0.0006
8	3	Unbiased	12.337	12.265	-0.0717
9	3	Unbiased	12.52	12.536	0.0168
10	3	Unbiased	12.361	12.362	0.0009
11	10	Biased	12.427	12.483	0.0562
12	10	Biased	12.415	12.382	-0.0327
13	10	Biased	12.37	12.302	-0.068
14	10	Biased	12.713	12.795	0.0816
15	10	Biased	12.505	12.46	-0.0441
16	10	Unbiased	12.681	12.779	0.0974
17	10	Unbiased	12.608	12.649	0.0401
18	10	Unbiased	12.466	12.521	0.0551
19	10	Unbiased	12.663	12.619	-0.0439
20	10	Unbiased	12.673	12.74	0.0668
21	30	Biased	12.521	12.503	-0.0171
22	30	Biased	12.5	12.564	0.0637
23	30	Biased	12.382	12.37	-0.0122
24	30	Biased	12.567	12.614	0.0466
25	30	Biased	12.632	12.796	0.1634
26	30	Unbiased	12.459	12.491	0.0323
27	30	Unbiased	12.546	12.559	0.0125
28	30	Unbiased	12.295	12.252	-0.0436
29	30	Unbiased	12.274	12.28	0.0052
30	30	Unbiased	12.612	12.713	0.1013
31	50	Biased	12.273	12.331	0.0574
32	50	Biased	12.704	12.843	0.1387
33	50	Biased	12.226	12.187	-0.0395
34	50	Biased	12.233	12.17	-0.0637
35	50	Biased	12.546	12.5	-0.0459
36	50	Unbiased	12.563	12.613	0.0501
37	50	Unbiased	12.247	12.281	0.0341
38	50	Unbiased	12.591	12.66	0.0688
39	50	Unbiased	12.24	12.272	0.0319
40	50	Unbiased	12.287	12.326	0.0387
41	100	Biased	12.652	12.587	-0.0651
42	100	Biased	12.505	12.534	0.0287
43	100	Biased	12.321	12.319	-0.0013
44	100	Biased	12.369	12.426	0.0573
45	100	Biased	12.449	12.418	-0.0311
46	100	Unbiased	12.544	12.714	0.1702
47	100	Unbiased	12.444	12.522	0.0779
48	100	Unbiased	12.597	12.742	0.1447
49	100	Unbiased	12.63	12.564	-0.0657
50	100	Unbiased	12.643	12.825	0.1819
51	0	Correlation	12.424	12.425	0.0014
52	0	Correlation	12.693	12.709	0.0161
53	0	Correlation	12.589	12.591	0.0013
54	0	Correlation	12.525	12.526	0.0016
55	0	Correlation	12.38	12.381	0.0013

Test Statistics (ms)

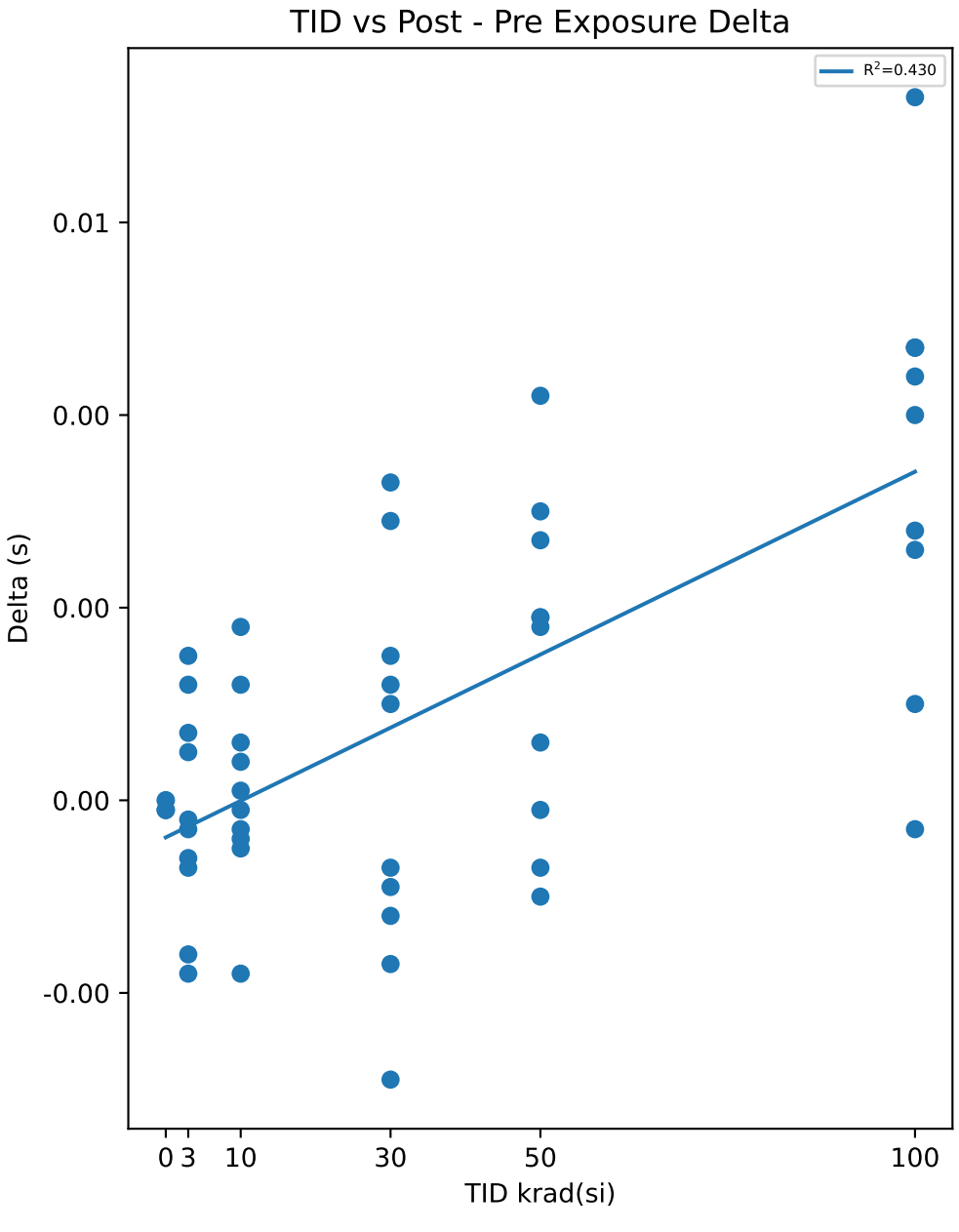
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.38	12.522	12.693	0.12608	12.381	12.526	12.709	0.13114	0.0013	0.00434	0.0161	0.0065752
3	12.245	12.456	12.671	0.13368	12.265	12.456	12.651	0.13306	-0.0717	-0.00029	0.0911	0.044424
10	12.37	12.552	12.713	0.12913	12.302	12.573	12.795	0.17013	-0.068	0.02085	0.0974	0.061127
30	12.274	12.479	12.632	0.12508	12.252	12.514	12.796	0.17585	-0.0436	0.03521	0.1634	0.06179
50	12.226	12.391	12.704	0.18623	12.17	12.418	12.843	0.22499	-0.0637	0.02706	0.1387	0.061334
100	12.321	12.515	12.652	0.11766	12.319	12.565	12.825	0.15835	-0.0657	0.04975	0.1819	0.09306

Device Test: 5.83; WD_TMR_500KOHM



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

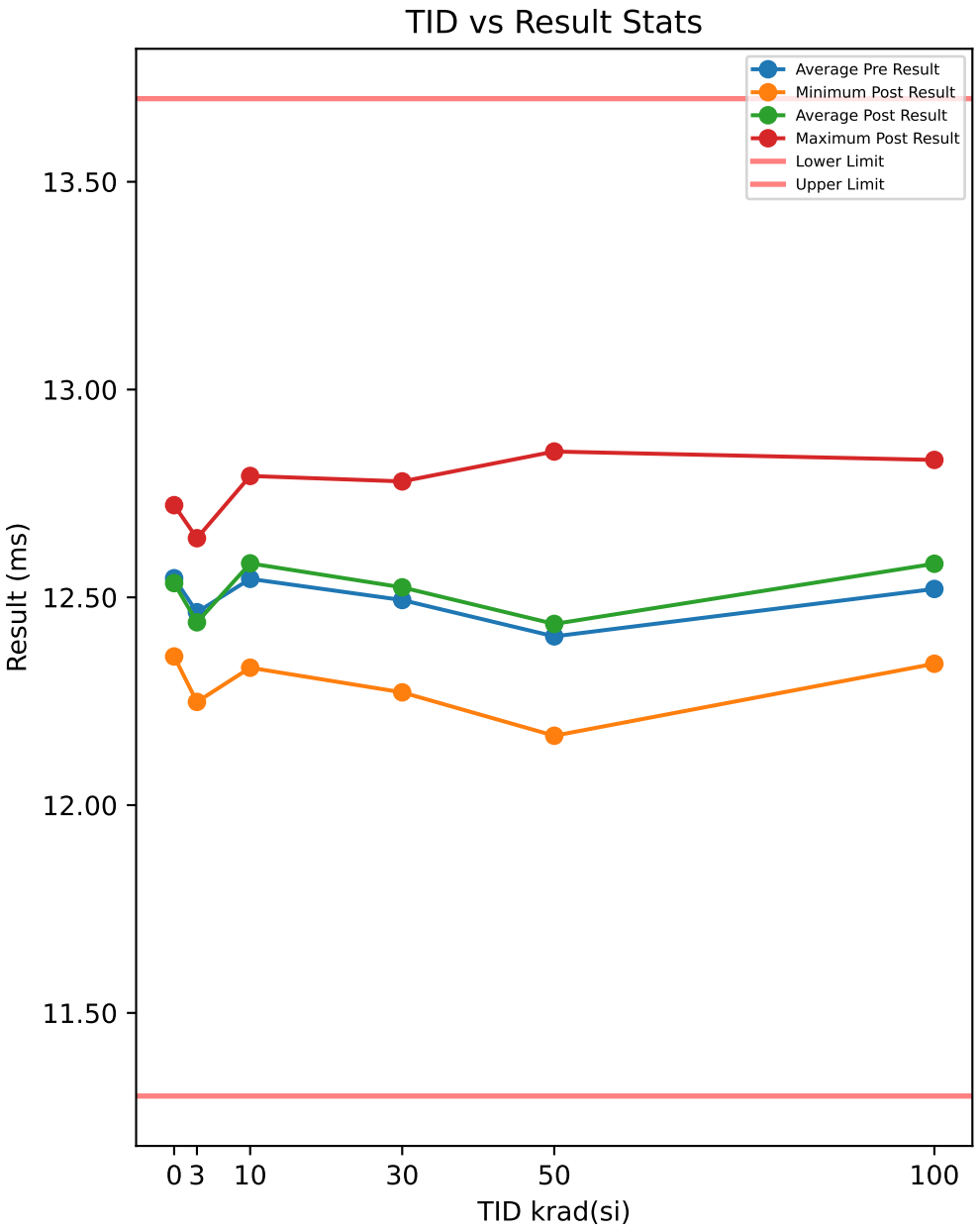
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.0734	1.0741	0.0007
2	3	Biased	1.0398	1.041	0.0012
3	3	Biased	1.0655	1.0637	-0.0018
4	3	Biased	1.0668	1.0652	-0.0016
5	3	Biased	1.0723	1.072	-0.0003
6	3	Unbiased	1.0634	1.0632	-0.0002
7	3	Unbiased	1.0556	1.0561	0.0005
8	3	Unbiased	1.0547	1.0562	0.0015
9	3	Unbiased	1.0604	1.0597	-0.0007
10	3	Unbiased	1.0549	1.0543	-0.0006
11	10	Biased	1.0636	1.0637	0.0001
12	10	Biased	1.0673	1.0669	-0.0004
13	10	Biased	1.0697	1.0694	-0.0003
14	10	Biased	1.0784	1.0783	-0.0001
15	10	Biased	1.0517	1.0535	0.0018
16	10	Unbiased	1.0716	1.0711	-0.0005
17	10	Unbiased	1.0722	1.0734	0.0012
18	10	Unbiased	1.0623	1.0629	0.0006
19	10	Unbiased	1.0488	1.0492	0.0004
20	10	Unbiased	1.0658	1.064	-0.0018
21	30	Biased	1.0785	1.0778	-0.0007
22	30	Biased	1.0771	1.0759	-0.0012
23	30	Biased	1.0664	1.0655	-0.0009
24	30	Biased	1.0749	1.0732	-0.0017
25	30	Biased	1.0422	1.0432	0.001
26	30	Unbiased	1.0668	1.068	0.0012
27	30	Unbiased	1.0671	1.07	0.0029
28	30	Unbiased	1.095	1.0921	-0.0029
29	30	Unbiased	1.0711	1.0726	0.0015
30	30	Unbiased	1.0873	1.0906	0.0033
31	50	Biased	1.0435	1.0428	-0.0007
32	50	Biased	1.0703	1.0722	0.0019
33	50	Biased	1.0786	1.0785	-0.0001
34	50	Biased	1.0643	1.0633	-0.001
35	50	Biased	1.0737	1.0756	0.0019
36	50	Unbiased	1.0646	1.0652	0.0006
37	50	Unbiased	1.0666	1.0708	0.0042
38	50	Unbiased	1.0792	1.0819	0.0027
39	50	Unbiased	1.0818	1.0848	0.003
40	50	Unbiased	1.0626	1.0644	0.0018
41	100	Biased	1.0813	1.0839	0.0026
42	100	Biased	1.0702	1.073	0.0028
43	100	Biased	1.0632	1.0679	0.0047
44	100	Biased	1.0792	1.0789	-0.0003
45	100	Biased	1.072	1.0764	0.0044
46	100	Unbiased	1.0769	1.0779	0.001
47	100	Unbiased	1.0693	1.0766	0.0073
48	100	Unbiased	1.0605	1.0652	0.0047
49	100	Unbiased	1.0579	1.0619	0.004
50	100	Unbiased	1.0676	1.0723	0.0047
51	0	Correlation	1.0683	1.0683	0
52	0	Correlation	1.0542	1.0541	-0.0001
53	0	Correlation	1.0584	1.0584	0
54	0	Correlation	1.0716	1.0715	-0.0001
55	0	Correlation	1.0603	1.0602	-0.0001

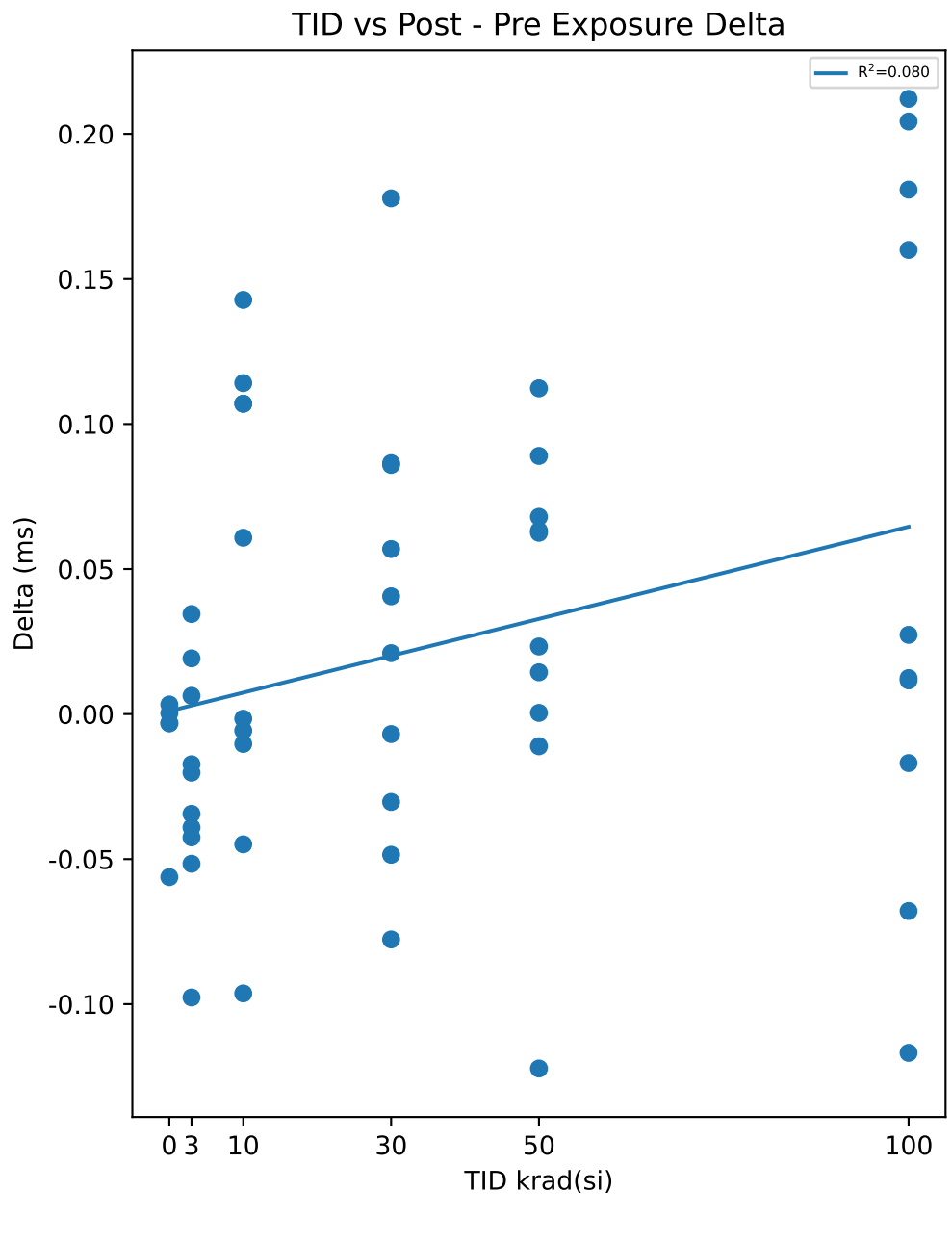


Test Statistics (s)

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	1.0542	1.0626	1.0716	0.0071933	1.0541	1.0625	1.0715	0.007199	-0.0001	-6e-05	0	5.4772e-05
3	1.0398	1.0607	1.0734	0.0099774	1.041	1.0605	1.0741	0.0095101	-0.0018	-0.00013	0.0015	0.0011076
10	1.0488	1.0651	1.0784	0.009137	1.0492	1.0652	1.0783	0.0087942	-0.0018	0.0001	0.0018	0.00099219
30	1.0422	1.0726	1.095	0.014169	1.0432	1.0729	1.0921	0.01368	-0.0029	0.00025	0.0033	0.0020387
50	1.0435	1.0685	1.0818	0.011155	1.0428	1.0699	1.0848	0.012059	-0.001	0.00143	0.0042	0.0016932
100	1.0579	1.0698	1.0813	0.007837	1.0619	1.0734	1.0839	0.0067585	-0.0003	0.00359	0.0073	0.0021533

Device Test: 5.84; DLY_TMR_500KOHM





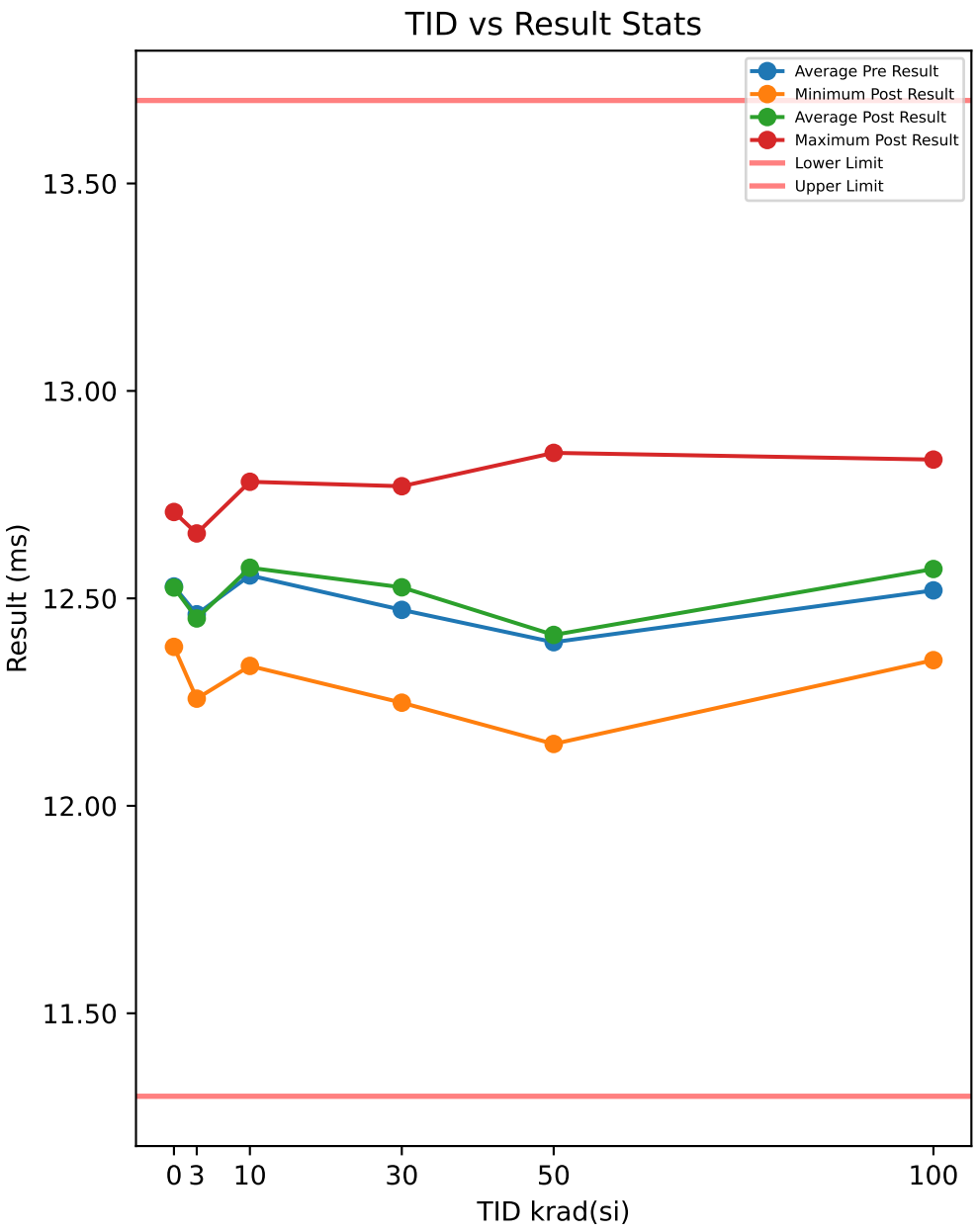
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

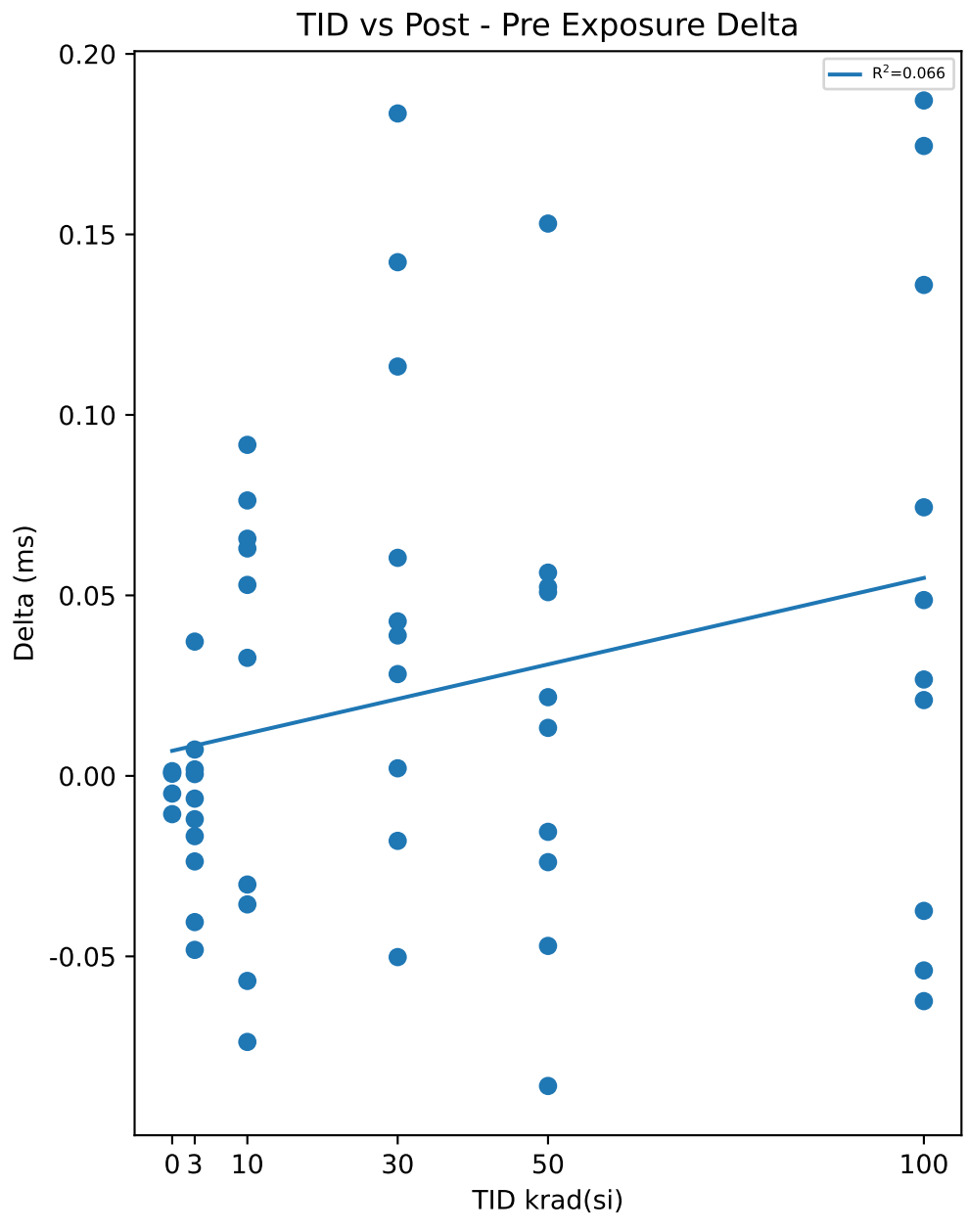
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.663	12.62	-0.0425
2	3	Biased	12.413	12.448	0.0345
3	3	Biased	12.528	12.511	-0.0173
4	3	Biased	12.677	12.642	-0.0344
5	3	Biased	12.453	12.414	-0.0391
6	3	Unbiased	12.269	12.248	-0.0202
7	3	Unbiased	12.351	12.37	0.0192
8	3	Unbiased	12.371	12.319	-0.0516
9	3	Unbiased	12.516	12.523	0.0063
10	3	Unbiased	12.402	12.304	-0.0977
11	10	Biased	12.357	12.471	0.1141
12	10	Biased	12.424	12.379	-0.0449
13	10	Biased	12.336	12.331	-0.0057
14	10	Biased	12.713	12.774	0.0608
15	10	Biased	12.496	12.4	-0.0963
16	10	Unbiased	12.685	12.792	0.107
17	10	Unbiased	12.588	12.695	0.107
18	10	Unbiased	12.54	12.539	-0.0016
19	10	Unbiased	12.667	12.656	-0.0103
20	10	Unbiased	12.637	12.78	0.1428
21	30	Biased	12.569	12.52	-0.0485
22	30	Biased	12.506	12.547	0.0406
23	30	Biased	12.404	12.326	-0.0777
24	30	Biased	12.546	12.632	0.0859
25	30	Biased	12.601	12.779	0.1778
26	30	Unbiased	12.501	12.494	-0.0069
27	30	Unbiased	12.537	12.593	0.0569
28	30	Unbiased	12.302	12.271	-0.0303
29	30	Unbiased	12.306	12.328	0.021
30	30	Unbiased	12.663	12.749	0.0865
31	50	Biased	12.281	12.343	0.0625
32	50	Biased	12.739	12.851	0.1123
33	50	Biased	12.236	12.225	-0.0111
34	50	Biased	12.289	12.167	-0.1222
35	50	Biased	12.571	12.585	0.0144
36	50	Unbiased	12.6	12.623	0.0233
37	50	Unbiased	12.275	12.275	0.0004
38	50	Unbiased	12.574	12.663	0.089
39	50	Unbiased	12.231	12.299	0.068
40	50	Unbiased	12.267	12.33	0.0632
41	100	Biased	12.664	12.596	-0.0679
42	100	Biased	12.497	12.509	0.0116
43	100	Biased	12.328	12.34	0.0124
44	100	Biased	12.396	12.423	0.0273
45	100	Biased	12.447	12.43	-0.0169
46	100	Unbiased	12.556	12.716	0.16
47	100	Unbiased	12.407	12.588	0.1808
48	100	Unbiased	12.604	12.808	0.2043
49	100	Unbiased	12.684	12.567	-0.1168
50	100	Unbiased	12.619	12.831	0.2121
51	0	Correlation	12.429	12.426	-0.0032
52	0	Correlation	12.722	12.722	0.0003
53	0	Correlation	12.601	12.598	-0.0031
54	0	Correlation	12.565	12.568	0.0033
55	0	Correlation	12.414	12.358	-0.0562

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	12.414	12.546	12.722	0.12783	12.358	12.534	12.722	0.14436	-0.0562	-0.01178	0.0033	0.024977
3	12.269	12.464	12.677	0.13243	12.248	12.44	12.642	0.13362	-0.0977	-0.02428	0.0345	0.038206
10	12.336	12.544	12.713	0.13713	12.331	12.582	12.792	0.17967	-0.0963	0.03729	0.1428	0.079952
30	12.302	12.494	12.663	0.1204	12.271	12.524	12.779	0.17483	-0.0777	0.03053	0.1778	0.075891
50	12.231	12.406	12.739	0.19125	12.167	12.436	12.851	0.22669	-0.1222	0.02998	0.1123	0.066563
100	12.328	12.52	12.684	0.12314	12.34	12.581	12.831	0.16444	-0.1168	0.06069	0.2121	0.11914

Device Test: 5.85; DLY_TMR_500KOHM





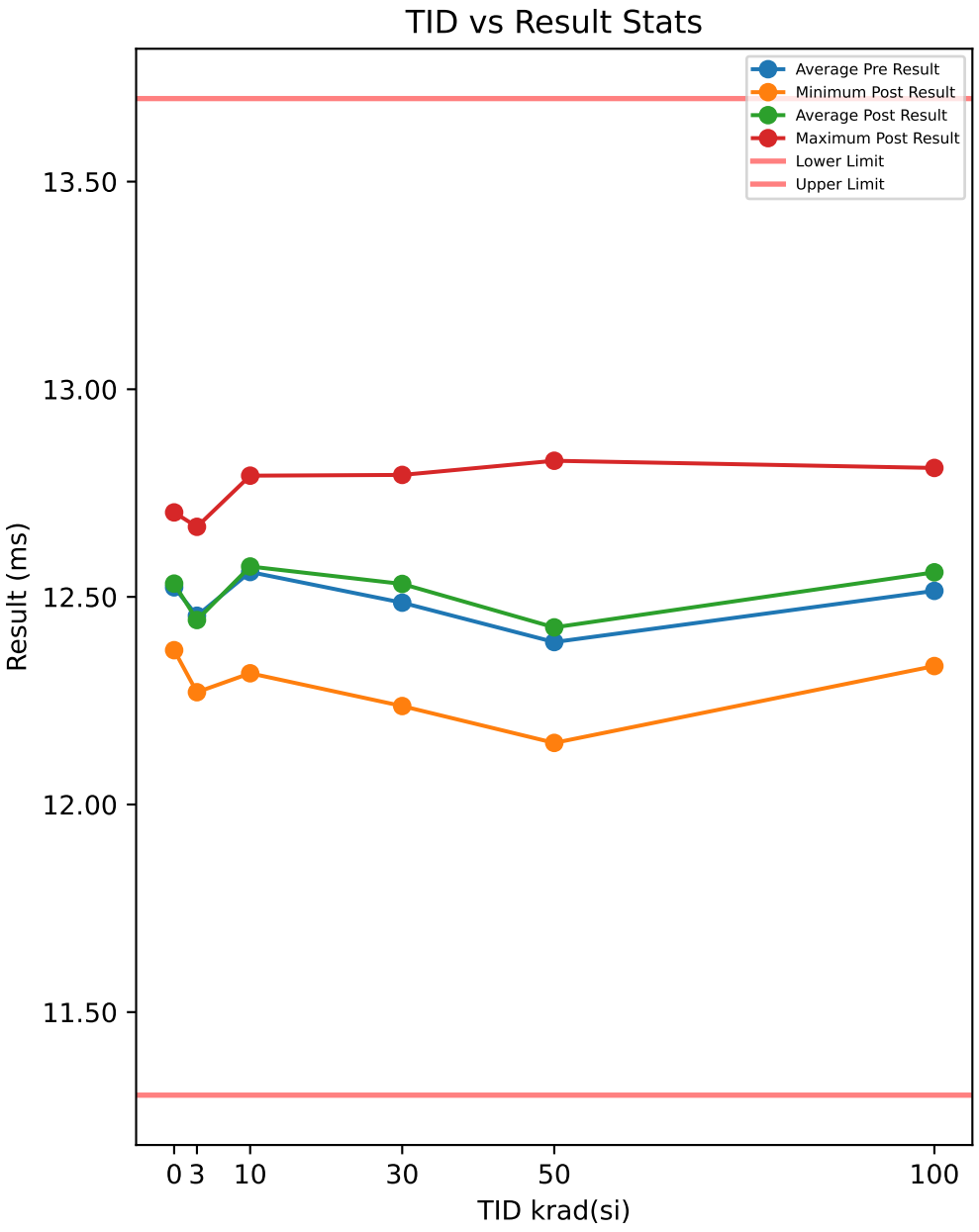
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

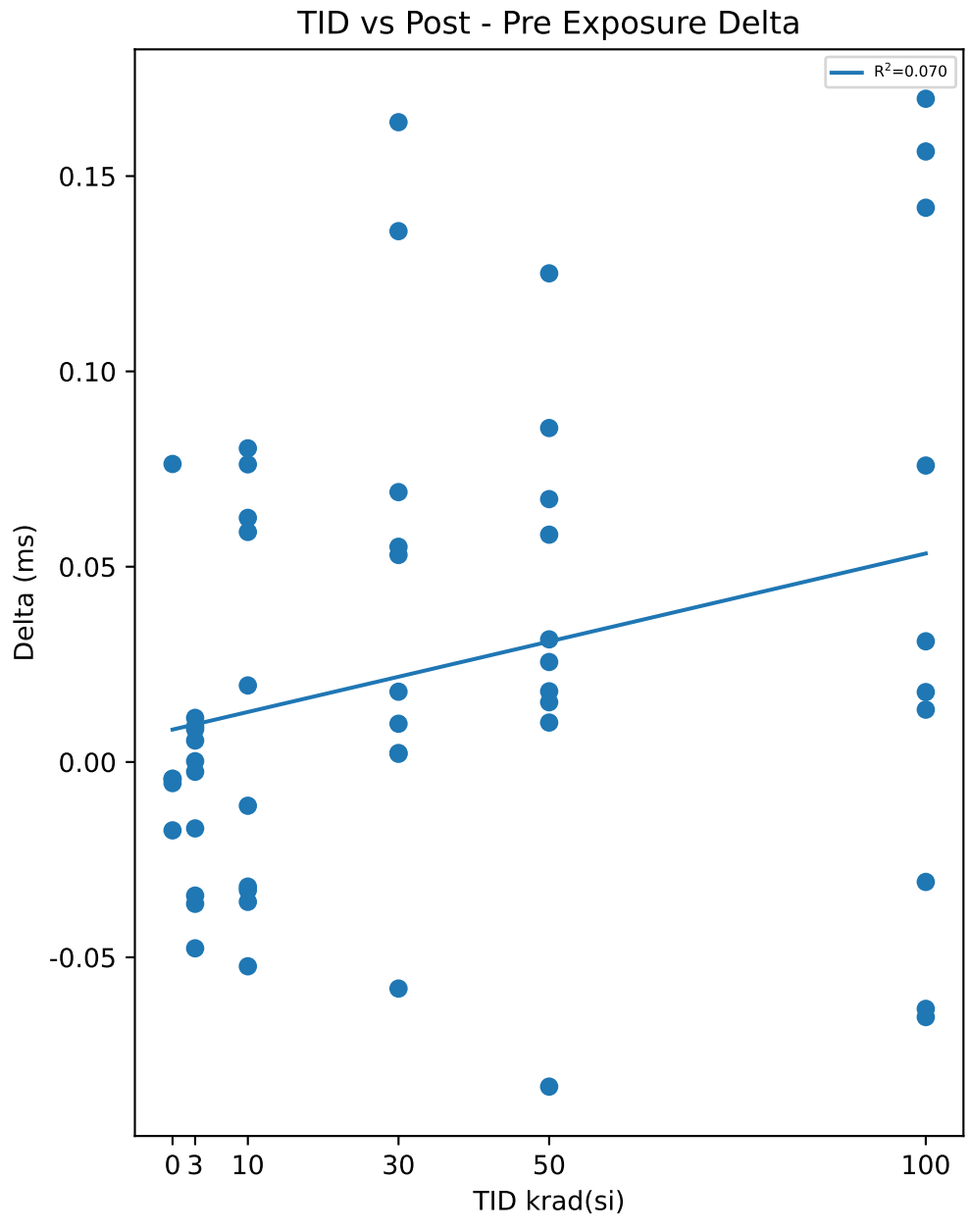
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.631	12.619	-0.012
2	3	Biased	12.429	12.436	0.0073
3	3	Biased	12.467	12.469	0.0018
4	3	Biased	12.673	12.656	-0.0167
5	3	Biased	12.519	12.496	-0.0237
6	3	Unbiased	12.265	12.258	-0.0063
7	3	Unbiased	12.383	12.383	0.0005
8	3	Unbiased	12.342	12.294	-0.0482
9	3	Unbiased	12.521	12.558	0.0372
10	3	Unbiased	12.387	12.346	-0.0405
11	10	Biased	12.43	12.483	0.0529
12	10	Biased	12.417	12.387	-0.0301
13	10	Biased	12.373	12.337	-0.0356
14	10	Biased	12.715	12.781	0.0657
15	10	Biased	12.507	12.45	-0.0568
16	10	Unbiased	12.684	12.776	0.0917
17	10	Unbiased	12.613	12.676	0.063
18	10	Unbiased	12.469	12.545	0.0763
19	10	Unbiased	12.665	12.592	-0.0737
20	10	Unbiased	12.68	12.712	0.0327
21	30	Biased	12.519	12.501	-0.018
22	30	Biased	12.505	12.565	0.0604
23	30	Biased	12.384	12.386	0.0021
24	30	Biased	12.571	12.614	0.0428
25	30	Biased	12.628	12.77	0.1423
26	30	Unbiased	12.462	12.491	0.0282
27	30	Unbiased	12.453	12.636	0.1835
28	30	Unbiased	12.299	12.249	-0.0502
29	30	Unbiased	12.275	12.314	0.0389
30	30	Unbiased	12.628	12.741	0.1134
31	50	Biased	12.275	12.325	0.0509
32	50	Biased	12.698	12.851	0.153
33	50	Biased	12.23	12.206	-0.0239
34	50	Biased	12.235	12.149	-0.0859
35	50	Biased	12.548	12.501	-0.0471
36	50	Unbiased	12.566	12.623	0.0563
37	50	Unbiased	12.252	12.265	0.0133
38	50	Unbiased	12.597	12.649	0.0523
39	50	Unbiased	12.255	12.239	-0.0155
40	50	Unbiased	12.289	12.311	0.0218
41	100	Biased	12.656	12.602	-0.0539
42	100	Biased	12.505	12.526	0.021
43	100	Biased	12.324	12.351	0.0267
44	100	Biased	12.373	12.422	0.0487
45	100	Biased	12.454	12.416	-0.0374
46	100	Unbiased	12.546	12.681	0.136
47	100	Unbiased	12.449	12.523	0.0744
48	100	Unbiased	12.61	12.784	0.1745
49	100	Unbiased	12.628	12.566	-0.0624
50	100	Unbiased	12.647	12.835	0.1871
51	0	Correlation	12.43	12.419	-0.0106
52	0	Correlation	12.713	12.708	-0.0049
53	0	Correlation	12.591	12.592	0.0013
54	0	Correlation	12.528	12.528	0.0006
55	0	Correlation	12.382	12.383	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	12.382	12.529	12.713	0.13153	12.383	12.526	12.708	0.13182	-0.0106	-0.00254	0.0013	0.0051714
3	12.265	12.462	12.673	0.12749	12.258	12.452	12.656	0.13409	-0.0482	-0.01006	0.0372	0.024532
10	12.373	12.555	12.715	0.12953	12.337	12.574	12.781	0.15949	-0.0737	0.01861	0.0917	0.061239
30	12.275	12.472	12.628	0.12413	12.249	12.527	12.77	0.17345	-0.0502	0.05434	0.1835	0.072946
50	12.23	12.394	12.698	0.18369	12.149	12.412	12.851	0.23128	-0.0859	0.01752	0.153	0.06658
100	12.324	12.519	12.656	0.11767	12.351	12.571	12.835	0.15878	-0.0624	0.05147	0.1871	0.091116

Device Test: 5.86; DLY_TMR_500KOHM





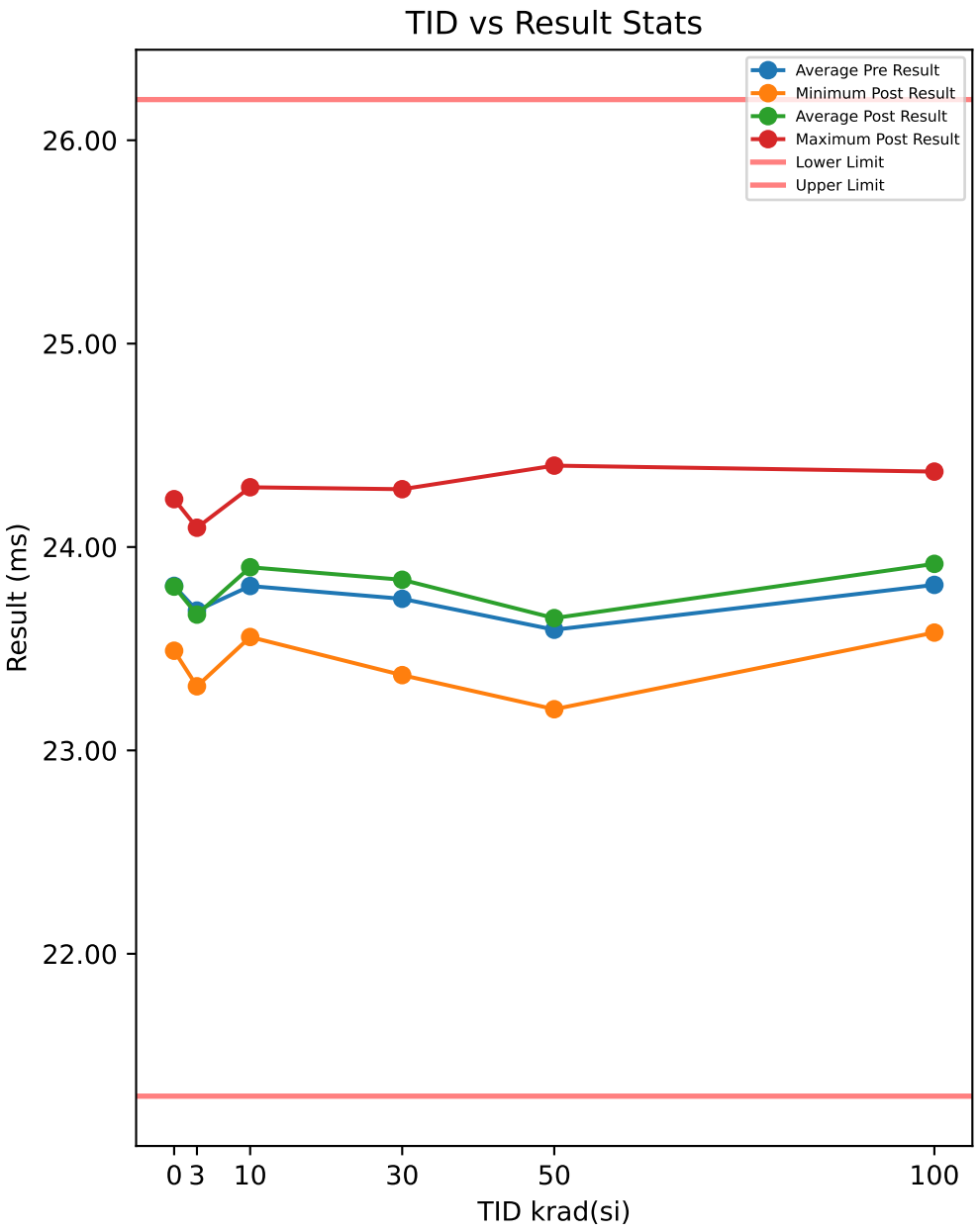
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.607	12.617	0.0091
2	3	Biased	12.424	12.421	-0.0025
3	3	Biased	12.464	12.464	0.0002
4	3	Biased	12.657	12.669	0.0113
5	3	Biased	12.528	12.492	-0.0363
6	3	Unbiased	12.262	12.27	0.0084
7	3	Unbiased	12.375	12.358	-0.017
8	3	Unbiased	12.334	12.286	-0.0477
9	3	Unbiased	12.518	12.524	0.0055
10	3	Unbiased	12.376	12.342	-0.0342
11	10	Biased	12.426	12.446	0.0196
12	10	Biased	12.413	12.381	-0.0319
13	10	Biased	12.368	12.316	-0.0523
14	10	Biased	12.712	12.792	0.0803
15	10	Biased	12.501	12.468	-0.0328
16	10	Unbiased	12.681	12.757	0.0762
17	10	Unbiased	12.607	12.67	0.0625
18	10	Unbiased	12.56	12.549	-0.0112
19	10	Unbiased	12.653	12.617	-0.0358
20	10	Unbiased	12.677	12.736	0.0589
21	30	Biased	12.518	12.571	0.053
22	30	Biased	12.501	12.57	0.0691
23	30	Biased	12.38	12.382	0.0021
24	30	Biased	12.567	12.622	0.0551
25	30	Biased	12.63	12.794	0.1638
26	30	Unbiased	12.55	12.553	0.0023
27	30	Unbiased	12.547	12.557	0.0098
28	30	Unbiased	12.295	12.237	-0.058
29	30	Unbiased	12.273	12.29	0.018
30	30	Unbiased	12.601	12.736	0.1359
31	50	Biased	12.272	12.29	0.0181
32	50	Biased	12.703	12.828	0.1251
33	50	Biased	12.225	12.256	0.0314
34	50	Biased	12.231	12.148	-0.0831
35	50	Biased	12.542	12.568	0.0256
36	50	Unbiased	12.561	12.628	0.0673
37	50	Unbiased	12.246	12.256	0.0101
38	50	Unbiased	12.596	12.655	0.0582
39	50	Unbiased	12.252	12.268	0.0153
40	50	Unbiased	12.283	12.368	0.0855
41	100	Biased	12.651	12.62	-0.0307
42	100	Biased	12.503	12.517	0.0134
43	100	Biased	12.316	12.333	0.0179
44	100	Biased	12.369	12.4	0.0309
45	100	Biased	12.448	12.385	-0.0632
46	100	Unbiased	12.541	12.698	0.1563
47	100	Unbiased	12.444	12.52	0.0759
48	100	Unbiased	12.605	12.747	0.1419
49	100	Unbiased	12.626	12.561	-0.0653
50	100	Unbiased	12.641	12.81	0.1698
51	0	Correlation	12.418	12.413	-0.0054
52	0	Correlation	12.708	12.703	-0.0043
53	0	Correlation	12.588	12.57	-0.0175
54	0	Correlation	12.525	12.601	0.0763
55	0	Correlation	12.376	12.372	-0.0043

Test Statistics (ms)

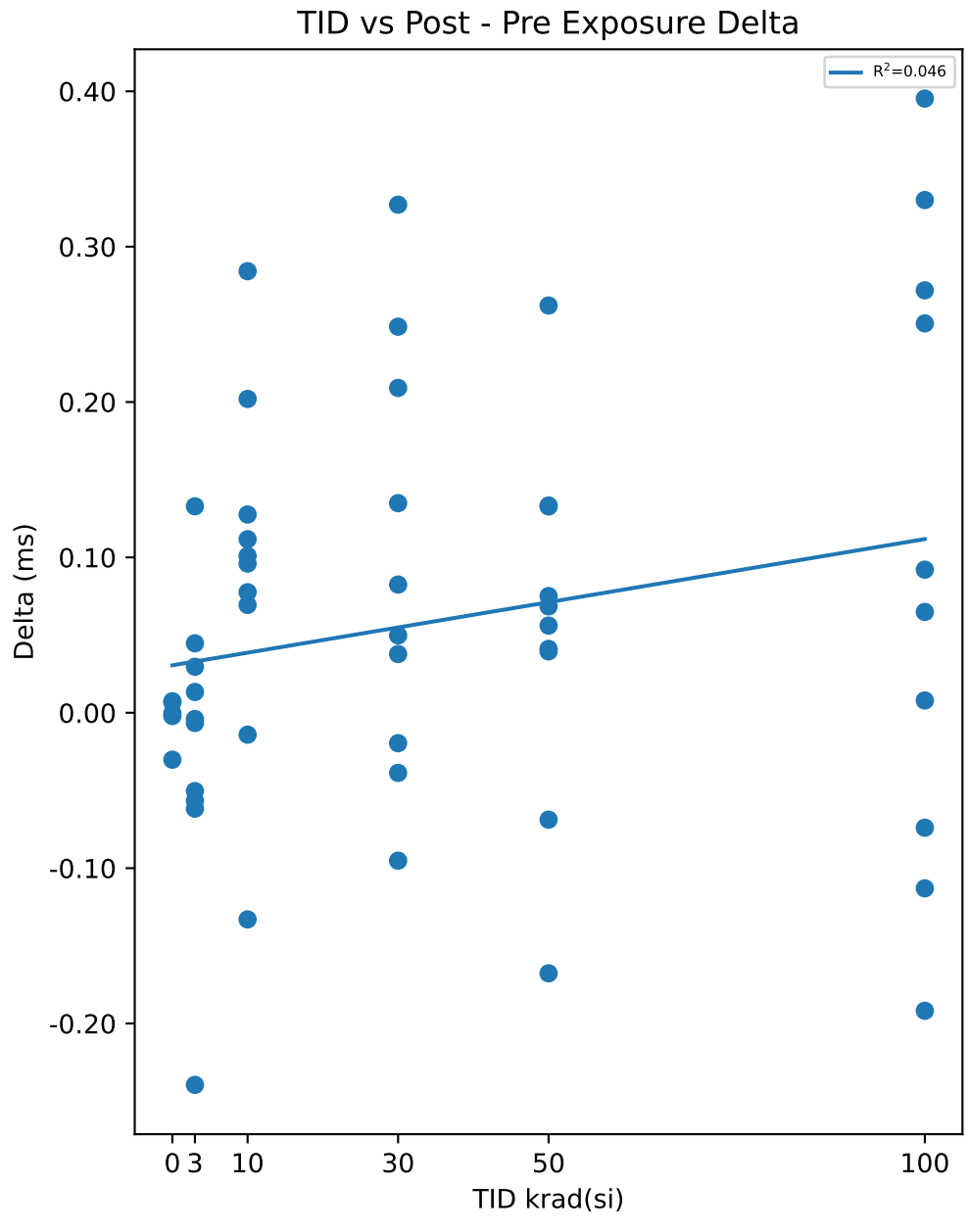
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.376	12.523	12.708	0.13308	12.372	12.532	12.703	0.13739	-0.0175	0.00896	0.0763	0.038055
3	12.262	12.455	12.657	0.12432	12.27	12.444	12.669	0.13443	-0.0477	-0.01032	0.0113	0.021869
10	12.368	12.56	12.712	0.12558	12.316	12.573	12.792	0.16677	-0.0523	0.01335	0.0803	0.052141
30	12.273	12.486	12.63	0.12595	12.237	12.531	12.794	0.17955	-0.058	0.04511	0.1638	0.066134
50	12.225	12.391	12.703	0.1857	12.148	12.427	12.828	0.2252	-0.0831	0.03535	0.1251	0.055369
100	12.316	12.514	12.651	0.11843	12.333	12.559	12.81	0.16036	-0.0653	0.04469	0.1698	0.088092

Device Test: 5.87; DLY_TMR_1MOHM



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

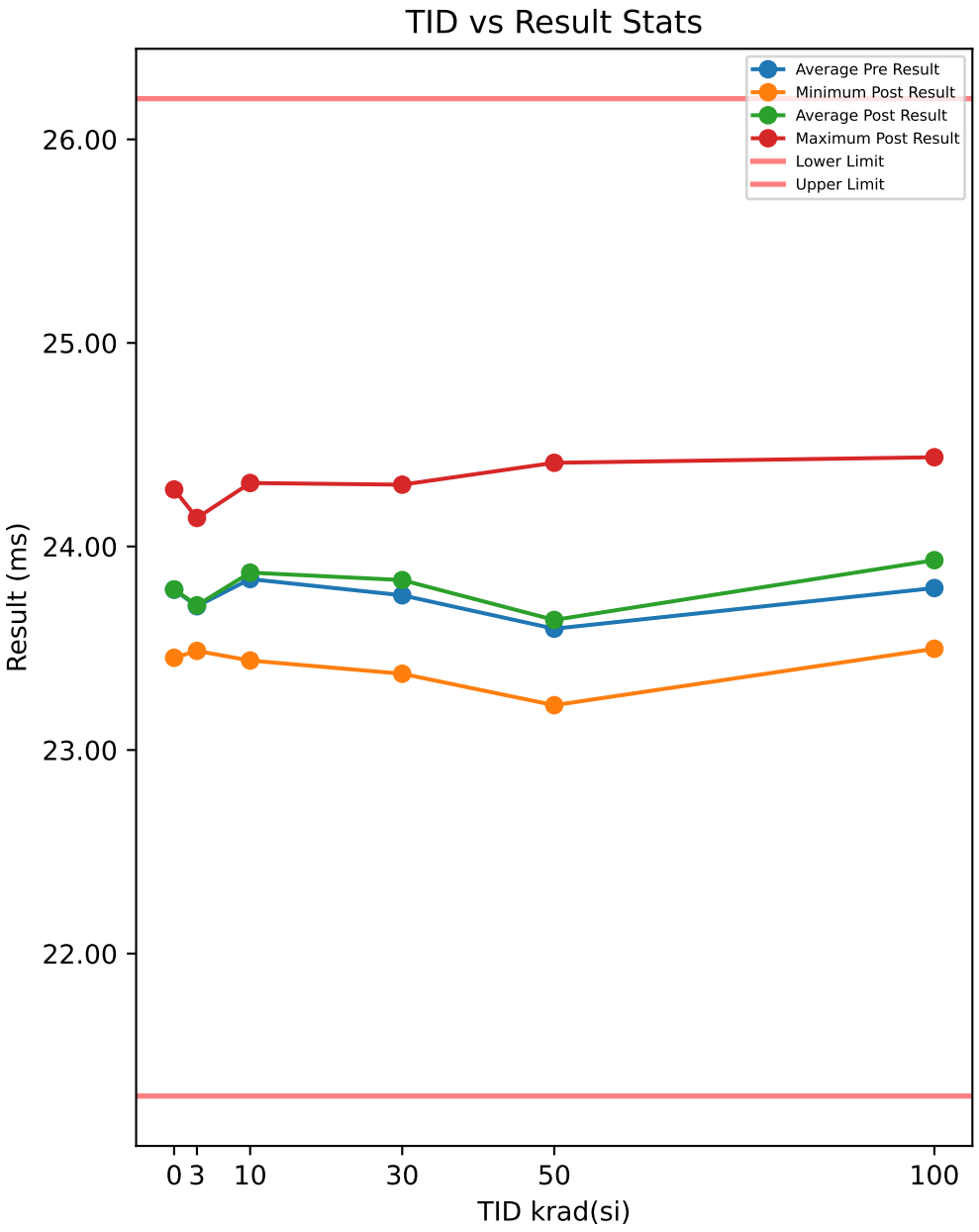
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	24.151	24.095	-0.0565
2	3	Biased	23.604	23.6	-0.004
3	3	Biased	23.63	23.624	-0.0066
4	3	Biased	24.074	24.087	0.0134
5	3	Biased	23.599	23.537	-0.0617
6	3	Unbiased	23.427	23.457	0.0296
7	3	Unbiased	23.344	23.477	0.1329
8	3	Unbiased	23.555	23.315	-0.2395
9	3	Unbiased	23.844	23.889	0.0447
10	3	Unbiased	23.646	23.596	-0.0504
11	10	Biased	23.366	23.651	0.2842
12	10	Biased	23.508	23.619	0.1117
13	10	Biased	23.482	23.583	0.101
14	10	Biased	24.129	24.257	0.1276
15	10	Biased	23.488	23.558	0.0694
16	10	Unbiased	24.092	24.294	0.202
17	10	Unbiased	23.999	24.095	0.096
18	10	Unbiased	23.906	23.892	-0.0141
19	10	Unbiased	24.037	23.904	-0.133
20	10	Unbiased	24.074	24.152	0.0776
21	30	Biased	23.965	23.927	-0.0387
22	30	Biased	23.892	24.027	0.1349
23	30	Biased	23.445	23.425	-0.0196
24	30	Biased	23.795	23.877	0.0825
25	30	Biased	23.957	24.284	0.327
26	30	Unbiased	23.84	23.877	0.0378
27	30	Unbiased	23.581	23.79	0.2091
28	30	Unbiased	23.465	23.37	-0.0952
29	30	Unbiased	23.478	23.527	0.0498
30	30	Unbiased	24.035	24.283	0.2485
31	50	Biased	23.484	23.616	0.1328
32	50	Biased	24.138	24.4	0.2621
33	50	Biased	23.295	23.226	-0.0688
34	50	Biased	23.37	23.203	-0.1677
35	50	Biased	23.776	23.851	0.0751
36	50	Unbiased	23.848	23.904	0.0561
37	50	Unbiased	23.422	23.463	0.0411
38	50	Unbiased	23.867	24.001	0.1334
39	50	Unbiased	23.318	23.357	0.0395
40	50	Unbiased	23.416	23.484	0.0685
41	100	Biased	24.037	23.924	-0.113
42	100	Biased	23.793	23.801	0.0079
43	100	Biased	23.557	23.622	0.0649
44	100	Biased	23.487	23.579	0.0921
45	100	Biased	23.696	23.622	-0.074
46	100	Unbiased	24.099	24.371	0.2719
47	100	Unbiased	23.604	23.999	0.3953
48	100	Unbiased	23.897	24.148	0.2506
49	100	Unbiased	24.041	23.849	-0.1918
50	100	Unbiased	23.927	24.257	0.33
51	0	Correlation	23.483	23.49	0.0074
52	0	Correlation	24.265	24.235	-0.0302
53	0	Correlation	23.917	23.915	-0.0021
54	0	Correlation	23.793	23.793	-0.0003
55	0	Correlation	23.587	23.594	0.0067

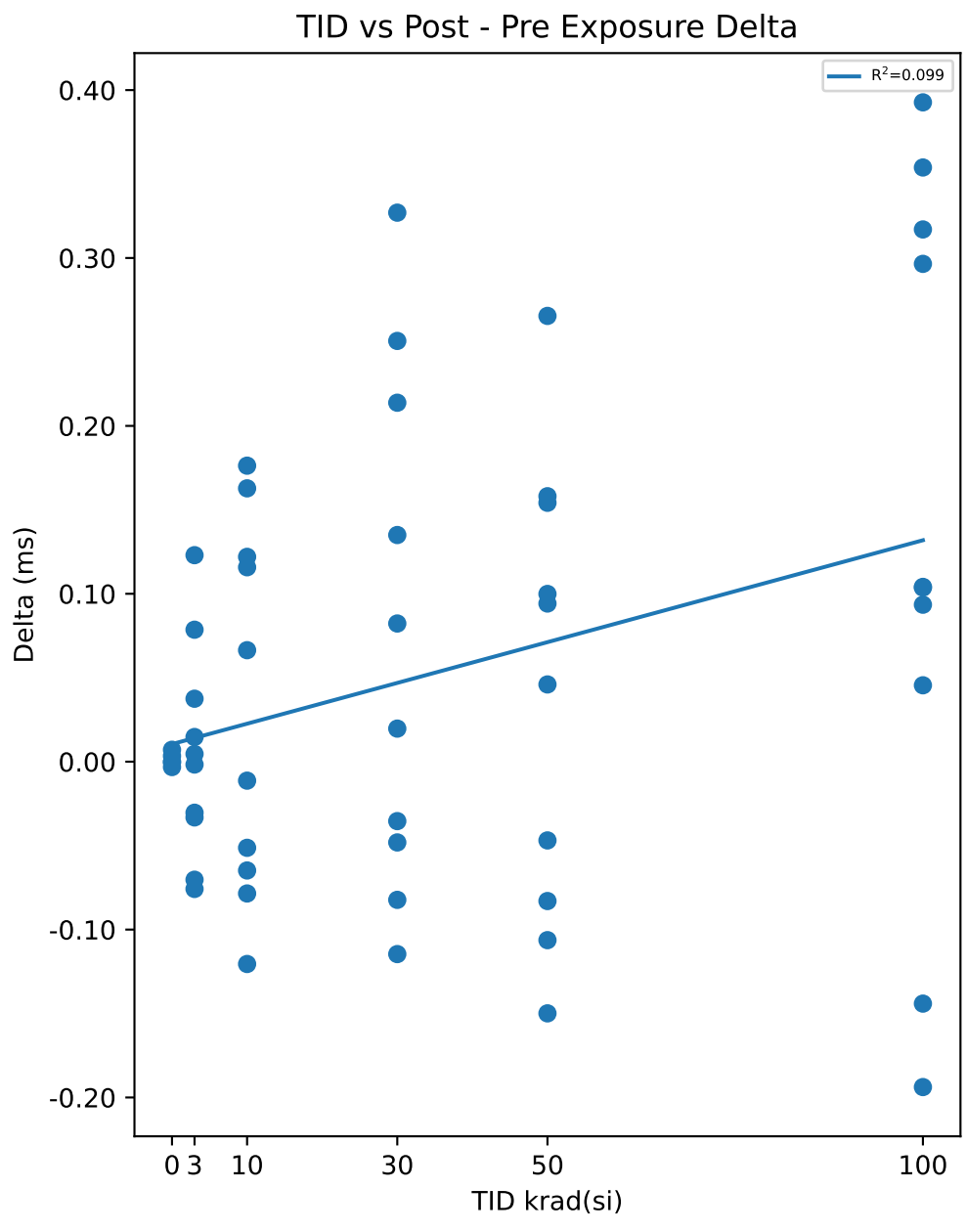


Test Statistics (ms)

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	23.809	24.265	0.30663	23.49	23.805	24.235	0.29207	-0.0302	-0.0037	0.0074	0.015393
3	23.344	23.688	24.151	0.26073	23.315	23.668	24.095	0.26688	-0.2395	-0.01981	0.1329	0.096466
10	23.366	23.808	24.129	0.30676	23.558	23.901	24.294	0.28723	-0.133	0.09224	0.2842	0.11225
30	23.445	23.745	24.035	0.23031	23.37	23.839	24.284	0.32183	-0.0952	0.09361	0.327	0.13525
50	23.295	23.593	24.138	0.2901	23.203	23.65	24.4	0.38292	-0.1677	0.05721	0.2621	0.11594
100	23.487	23.814	24.099	0.21946	23.579	23.917	24.371	0.27643	-0.1918	0.10339	0.3953	0.20077

Device Test: 5.88; DLY_TMR_1MOHM





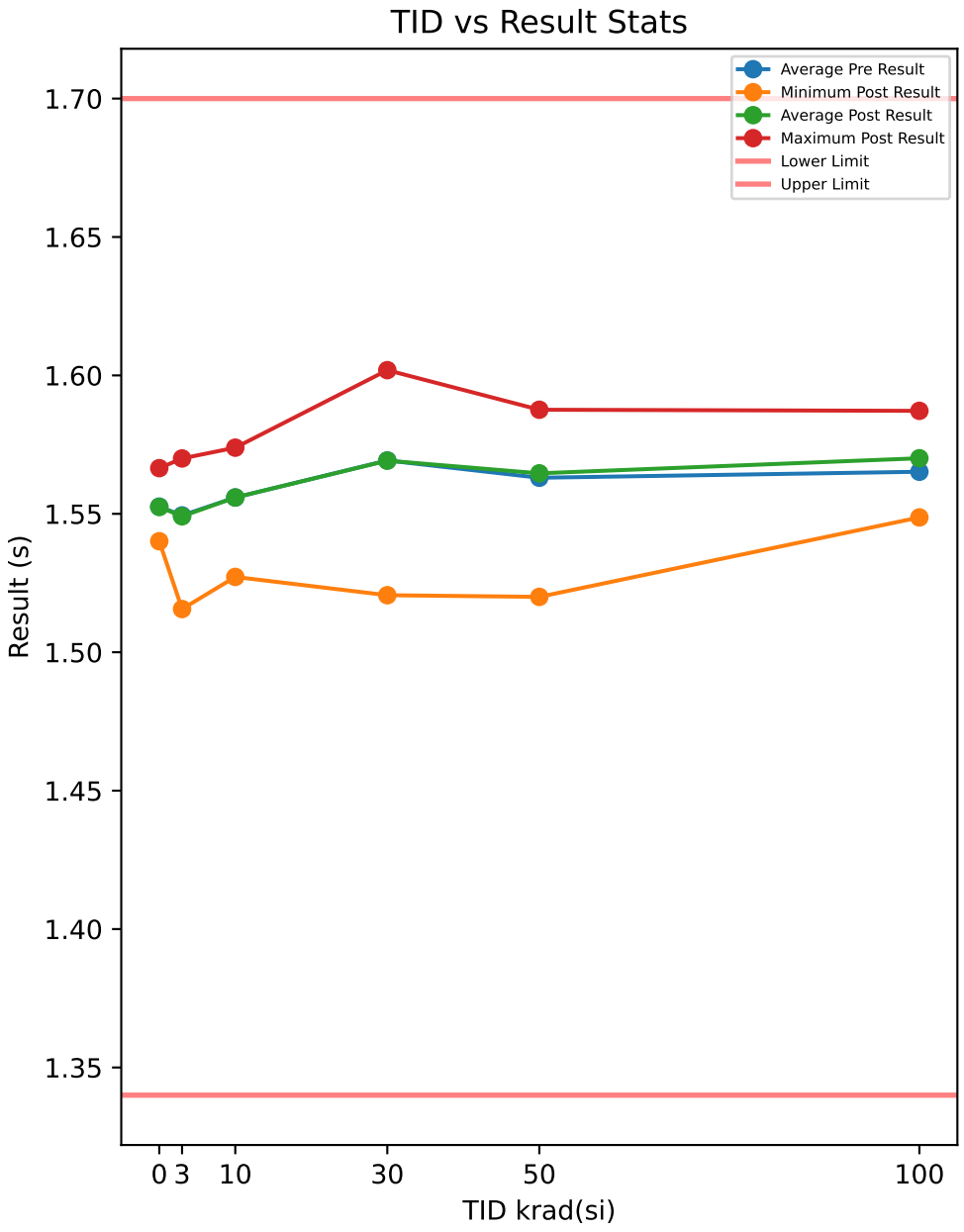
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	24.17	24.14	-0.0304
2	3	Biased	23.627	23.625	-0.0017
3	3	Biased	23.655	23.66	0.0046
4	3	Biased	24.092	24.107	0.0147
5	3	Biased	23.617	23.547	-0.0703
6	3	Unbiased	23.449	23.487	0.0375
7	3	Unbiased	23.526	23.493	-0.0332
8	3	Unbiased	23.576	23.5	-0.0758
9	3	Unbiased	23.867	23.946	0.0786
10	3	Unbiased	23.484	23.607	0.123
11	10	Biased	23.534	23.483	-0.0513
12	10	Biased	23.531	23.452	-0.0785
13	10	Biased	23.504	23.57	0.0664
14	10	Biased	24.149	24.312	0.1628
15	10	Biased	23.504	23.44	-0.0648
16	10	Unbiased	24.108	24.284	0.1763
17	10	Unbiased	23.996	24.118	0.122
18	10	Unbiased	23.924	23.913	-0.0113
19	10	Unbiased	24.058	23.938	-0.1205
20	10	Unbiased	24.09	24.206	0.1158
21	30	Biased	23.984	23.949	-0.0354
22	30	Biased	23.912	24.047	0.135
23	30	Biased	23.463	23.415	-0.0481
24	30	Biased	23.813	23.895	0.0823
25	30	Biased	23.952	24.279	0.327
26	30	Unbiased	23.863	23.883	0.0197
27	30	Unbiased	23.597	23.811	0.2138
28	30	Unbiased	23.489	23.375	-0.1146
29	30	Unbiased	23.474	23.392	-0.0823
30	30	Unbiased	24.053	24.304	0.2506
31	50	Biased	23.505	23.605	0.0999
32	50	Biased	24.146	24.411	0.2655
33	50	Biased	23.293	23.246	-0.0469
34	50	Biased	23.37	23.22	-0.1499
35	50	Biased	23.794	23.711	-0.083
36	50	Unbiased	23.863	23.957	0.0942
37	50	Unbiased	23.438	23.331	-0.1063
38	50	Unbiased	23.861	24.019	0.1581
39	50	Unbiased	23.324	23.37	0.046
40	50	Unbiased	23.366	23.52	0.1542
41	100	Biased	24.055	23.911	-0.1441
42	100	Biased	23.794	23.839	0.0455
43	100	Biased	23.393	23.497	0.1041
44	100	Biased	23.508	23.601	0.0935
45	100	Biased	23.542	23.646	0.1037
46	100	Unbiased	24.121	24.438	0.317
47	100	Unbiased	23.622	24.015	0.3927
48	100	Unbiased	23.915	24.212	0.2965
49	100	Unbiased	24.06	23.866	-0.1938
50	100	Unbiased	23.946	24.3	0.3539
51	0	Correlation	23.464	23.471	0.0071
52	0	Correlation	24.283	24.28	-0.0032
53	0	Correlation	23.932	23.931	-0.0003
54	0	Correlation	23.81	23.81	-0.0001
55	0	Correlation	23.45	23.453	0.0034

Test Statistics (ms)

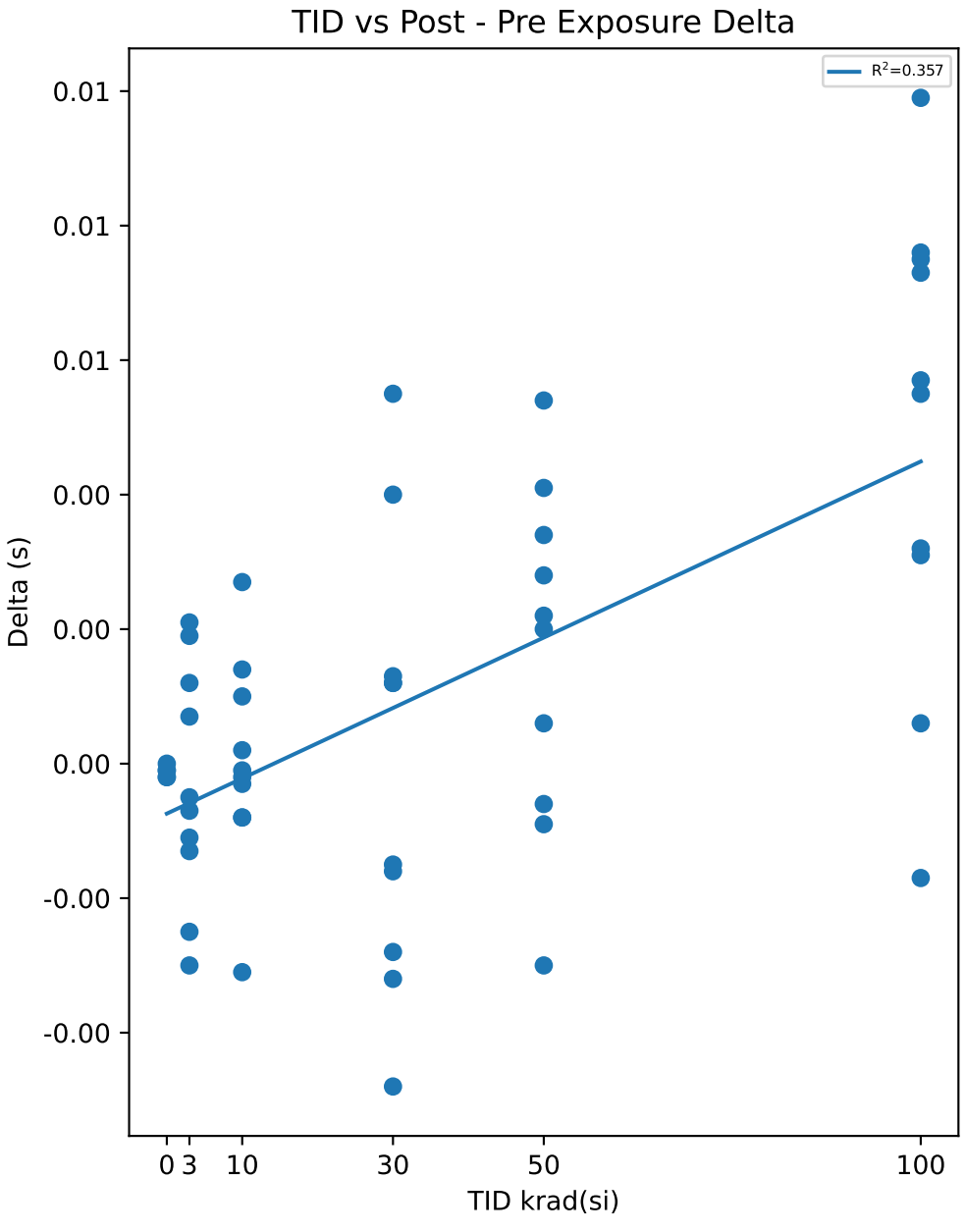
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.45	23.788	24.283	0.34853	23.453	23.789	24.28	0.34489	-0.0032	0.00138	0.0071	0.0039619
3	23.449	23.706	24.17	0.25206	23.487	23.711	24.14	0.25512	-0.0758	0.0047	0.123	0.062758
10	23.504	23.84	24.149	0.28349	23.44	23.872	24.312	0.35692	-0.1205	0.03169	0.1763	0.10949
30	23.463	23.76	24.053	0.23081	23.375	23.835	24.304	0.34418	-0.1146	0.0748	0.327	0.15215
50	23.293	23.596	24.146	0.29566	23.22	23.639	24.411	0.38872	-0.1499	0.04318	0.2655	0.13517
100	23.393	23.796	24.121	0.26233	23.497	23.933	24.438	0.31104	-0.1938	0.1369	0.3927	0.20308

Device Test: 5.89; WD_TMR_1MOHM



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

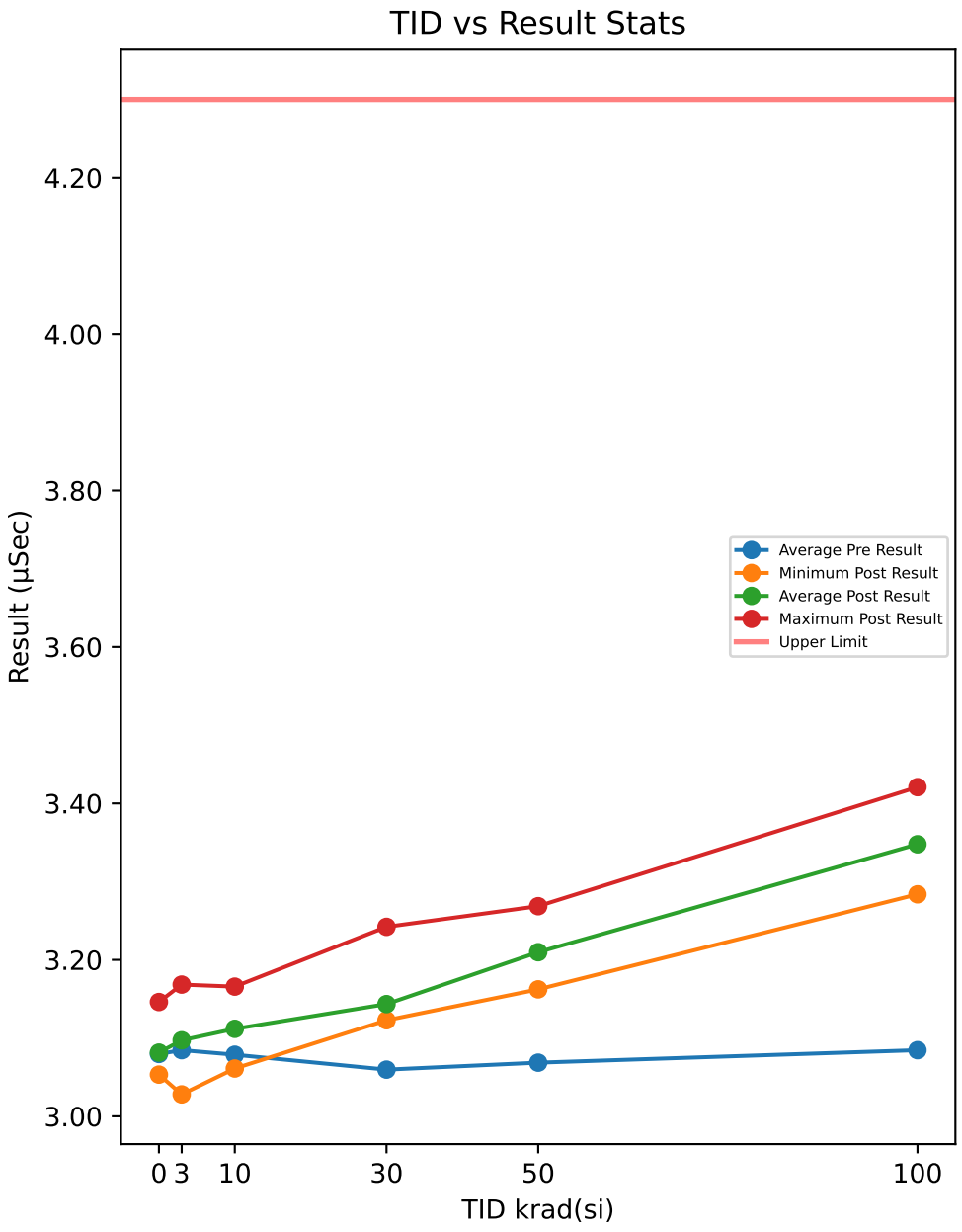
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.5688	1.57	0.0012
2	3	Biased	1.5137	1.5156	0.0019
3	3	Biased	1.5572	1.5542	-0.003
4	3	Biased	1.5581	1.5556	-0.0025
5	3	Biased	1.5691	1.5684	-0.0007
6	3	Unbiased	1.5549	1.5544	-0.0005
7	3	Unbiased	1.5413	1.542	0.0007
8	3	Unbiased	1.5407	1.5428	0.0021
9	3	Unbiased	1.5497	1.5484	-0.0013
10	3	Unbiased	1.5407	1.5396	-0.0011
11	10	Biased	1.5521	1.552	-0.0001
12	10	Biased	1.5602	1.5594	-0.0008
13	10	Biased	1.5647	1.5644	-0.0003
14	10	Biased	1.5741	1.5739	-0.0002
15	10	Biased	1.5352	1.5379	0.0027
16	10	Unbiased	1.5676	1.5668	-0.0008
17	10	Unbiased	1.5689	1.5703	0.0014
18	10	Unbiased	1.5513	1.5523	0.001
19	10	Unbiased	1.527	1.5272	0.0002
20	10	Unbiased	1.5579	1.5548	-0.0031
21	30	Biased	1.5796	1.5781	-0.0015
22	30	Biased	1.5751	1.5723	-0.0028
23	30	Biased	1.56	1.5584	-0.0016
24	30	Biased	1.5719	1.5687	-0.0032
25	30	Biased	1.5194	1.5206	0.0012
26	30	Unbiased	1.5588	1.5601	0.0013
27	30	Unbiased	1.5585	1.5625	0.004
28	30	Unbiased	1.6067	1.6019	-0.0048
29	30	Unbiased	1.5695	1.5707	0.0012
30	30	Unbiased	1.5933	1.5988	0.0055
31	50	Biased	1.5209	1.52	-0.0009
32	50	Biased	1.5673	1.5695	0.0022
33	50	Biased	1.5797	1.5791	-0.0006
34	50	Biased	1.5573	1.5543	-0.003
35	50	Biased	1.5747	1.5775	0.0028
36	50	Unbiased	1.5548	1.5554	0.0006
37	50	Unbiased	1.5584	1.5638	0.0054
38	50	Unbiased	1.5794	1.5828	0.0034
39	50	Unbiased	1.5835	1.5876	0.0041
40	50	Unbiased	1.5543	1.5563	0.002
41	100	Biased	1.5841	1.5872	0.0031
42	100	Biased	1.5641	1.5673	0.0032
43	100	Biased	1.5539	1.5596	0.0057
44	100	Biased	1.5822	1.5805	-0.0017
45	100	Biased	1.5696	1.5769	0.0073
46	100	Unbiased	1.578	1.5786	0.0006
47	100	Unbiased	1.5653	1.5752	0.0099
48	100	Unbiased	1.5499	1.5574	0.0075
49	100	Unbiased	1.5432	1.5487	0.0055
50	100	Unbiased	1.5617	1.5693	0.0076
51	0	Correlation	1.5615	1.5615	0
52	0	Correlation	1.5403	1.5401	-0.0002
53	0	Correlation	1.5461	1.546	-0.0001
54	0	Correlation	1.5667	1.5665	-0.0002
55	0	Correlation	1.5484	1.5483	-0.0001



Test Statistics (s)

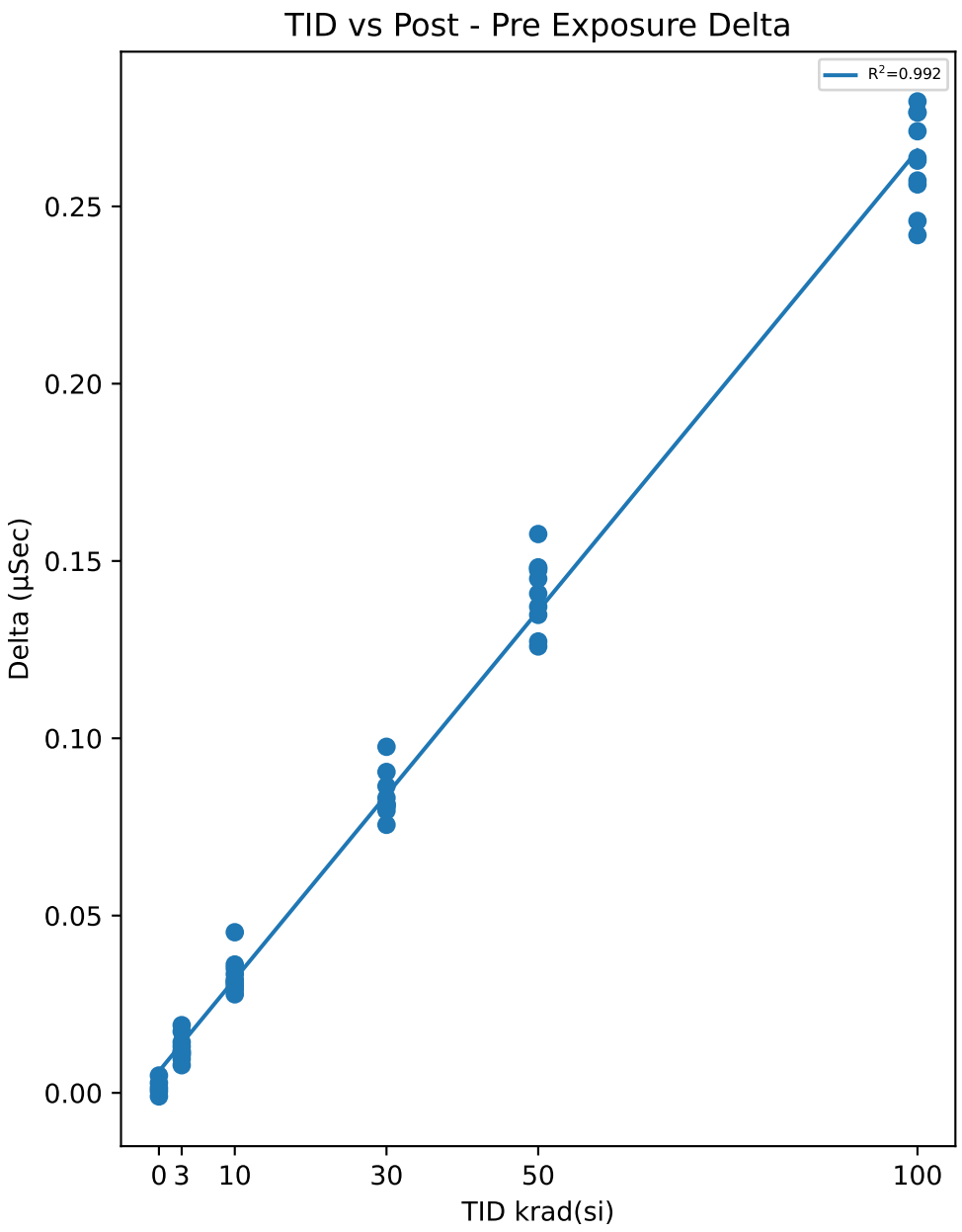
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.5403	1.5526	1.5667	0.011059	1.5401	1.5525	1.5665	0.011075	-0.0002	-0.00012	0	8.3666e-05
3	1.5137	1.5494	1.5691	0.016407	1.5156	1.5491	1.57	0.015666	-0.003	-0.00032	0.0021	0.001758
10	1.527	1.5559	1.5741	0.015042	1.5272	1.5559	1.5739	0.014574	-0.0031	0	0.0027	0.0015391
30	1.5194	1.5693	1.6067	0.023392	1.5206	1.5692	1.6019	0.022713	-0.0048	-7e-05	0.0055	0.0032779
50	1.5209	1.563	1.5835	0.018537	1.52	1.5646	1.5876	0.019749	-0.003	0.0016	0.0054	0.0025634
100	1.5432	1.5652	1.5841	0.013698	1.5487	1.5701	1.5872	0.01194	-0.0017	0.00487	0.0099	0.0035587

Device Test: 5.9; PROPD_RESET



Test Results (Upper Limit = 4.3 (µSec))

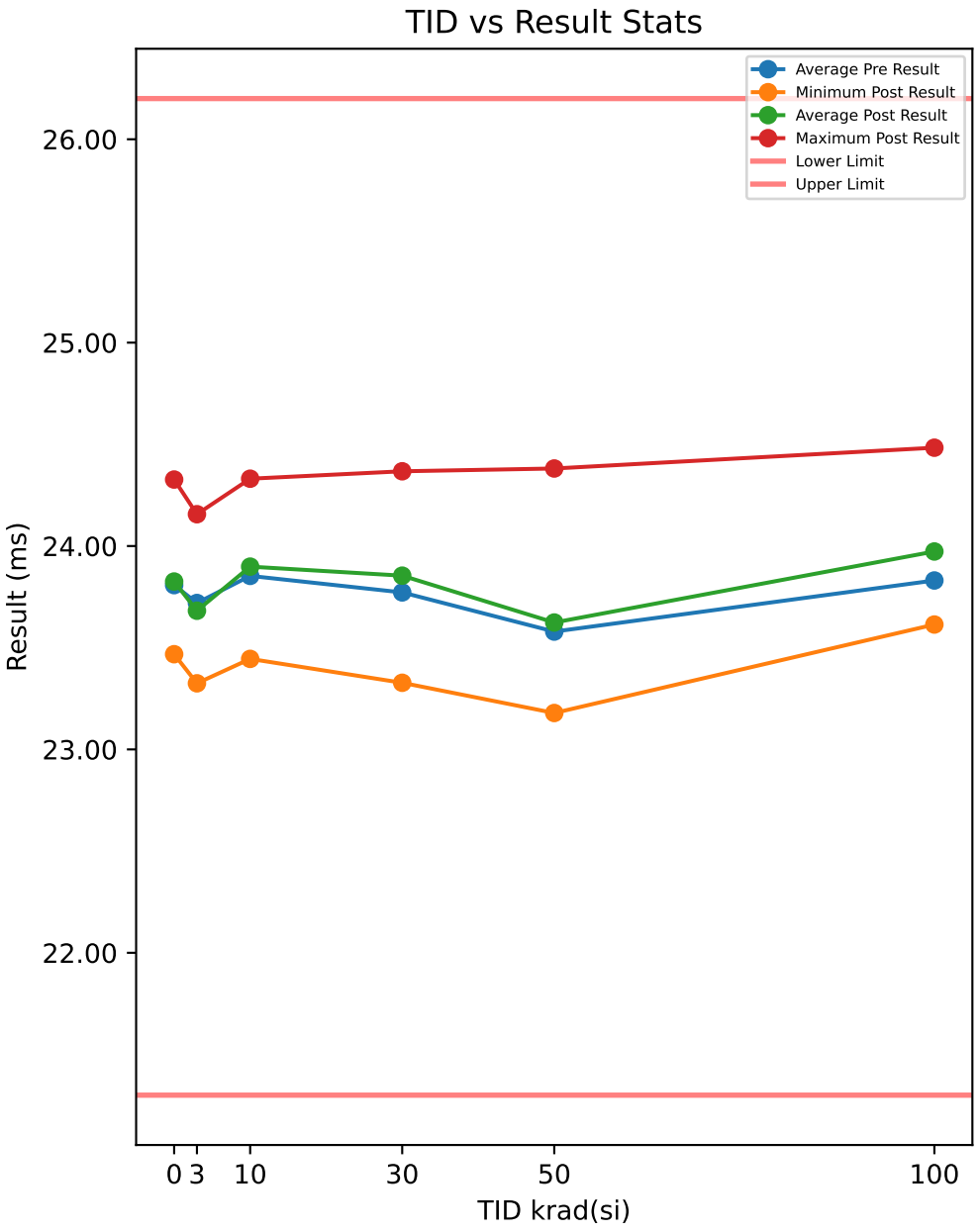
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	3.0337	3.0455	0.0118
2	3	Biased	3.141	3.1601	0.0191
3	3	Biased	3.1337	3.1444	0.0107
4	3	Biased	3.0704	3.0782	0.0078
5	3	Biased	3.0149	3.028	0.0131
6	3	Unbiased	3.0538	3.0634	0.0096
7	3	Unbiased	3.1574	3.1684	0.011
8	3	Unbiased	3.0467	3.064	0.0173
9	3	Unbiased	3.0976	3.1119	0.0143
10	3	Unbiased	3.0965	3.108	0.0115
11	10	Biased	3.0319	3.0611	0.0292
12	10	Biased	3.0445	3.0764	0.0319
13	10	Biased	3.0973	3.1282	0.0309
14	10	Biased	3.047	3.0923	0.0453
15	10	Biased	3.0614	3.0913	0.0299
16	10	Unbiased	3.0722	3.1073	0.0351
17	10	Unbiased	3.1296	3.1658	0.0362
18	10	Unbiased	3.116	3.1473	0.0313
19	10	Unbiased	3.0625	3.096	0.0335
20	10	Unbiased	3.1249	3.1527	0.0278
21	30	Biased	3.0559	3.1374	0.0815
22	30	Biased	3.0421	3.1253	0.0832
23	30	Biased	3.1612	3.2422	0.081
24	30	Biased	3.0299	3.1275	0.0976
25	30	Biased	3.0642	3.1455	0.0813
26	30	Unbiased	3.0562	3.137	0.0808
27	30	Unbiased	3.0401	3.1306	0.0905
28	30	Unbiased	3.0577	3.1333	0.0756
29	30	Unbiased	3.0463	3.1328	0.0865
30	30	Unbiased	3.0432	3.1228	0.0796
31	50	Biased	3.1236	3.2584	0.1348
32	50	Biased	3.1234	3.2493	0.1259
33	50	Biased	3.0287	3.1737	0.145
34	50	Biased	3.111	3.2686	0.1576
35	50	Biased	3.1046	3.2528	0.1482
36	50	Unbiased	3.035	3.1623	0.1273
37	50	Unbiased	3.0517	3.1925	0.1408
38	50	Unbiased	3.0544	3.2024	0.148
39	50	Unbiased	3.0344	3.1715	0.1371
40	50	Unbiased	3.019	3.1664	0.1474
41	100	Biased	3.0628	3.3201	0.2573
42	100	Biased	3.0524	3.3161	0.2637
43	100	Biased	3.0603	3.3232	0.2629
44	100	Biased	3.1296	3.4092	0.2796
45	100	Biased	3.0379	3.2838	0.2459
46	100	Unbiased	3.1357	3.4122	0.2765
47	100	Unbiased	3.1553	3.3972	0.2419
48	100	Unbiased	3.1443	3.4208	0.2765
49	100	Unbiased	3.0379	3.2941	0.2562
50	100	Unbiased	3.0295	3.3007	0.2712
51	0	Correlation	3.0505	3.0533	0.0028
52	0	Correlation	3.1447	3.1461	0.0014
53	0	Correlation	3.0542	3.0547	0.0005
54	0	Correlation	3.0928	3.0977	0.0049
55	0	Correlation	3.0564	3.0554	-0.001

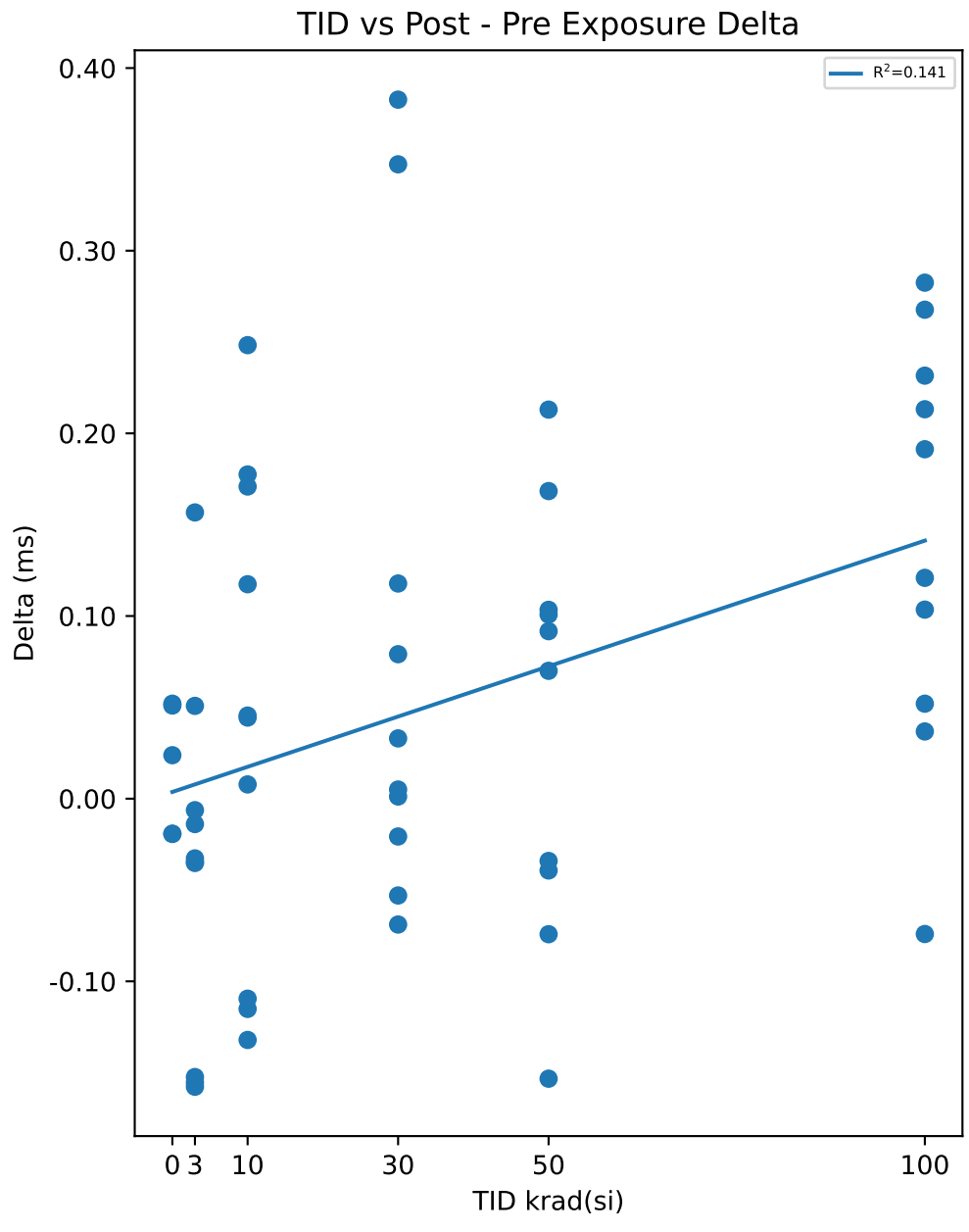


Test Statistics (µSec)

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	3.0505	3.0797	3.1447	0.040132	3.0533	3.0814	3.1461	0.040713	-0.001	0.00172	0.0049	0.002251
3	3.0149	3.0846	3.1574	0.048577	3.028	3.0972	3.1684	0.049051	0.0078	0.01262	0.0191	0.0034567
10	3.0319	3.0787	3.1296	0.035639	3.0611	3.1118	3.1658	0.034979	0.0278	0.03311	0.0453	0.0050074
30	3.0299	3.0597	3.1612	0.037099	3.1228	3.1434	3.2422	0.035317	0.0756	0.08376	0.0976	0.0062913
50	3.019	3.0686	3.1236	0.042111	3.1623	3.2098	3.2686	0.042808	0.1259	0.14121	0.1576	0.010013
100	3.0295	3.0846	3.1553	0.050221	3.2838	3.3477	3.4208	0.055037	0.2419	0.26317	0.2796	0.013012

Device Test: 5.90; DLY_TMR_1MOHM





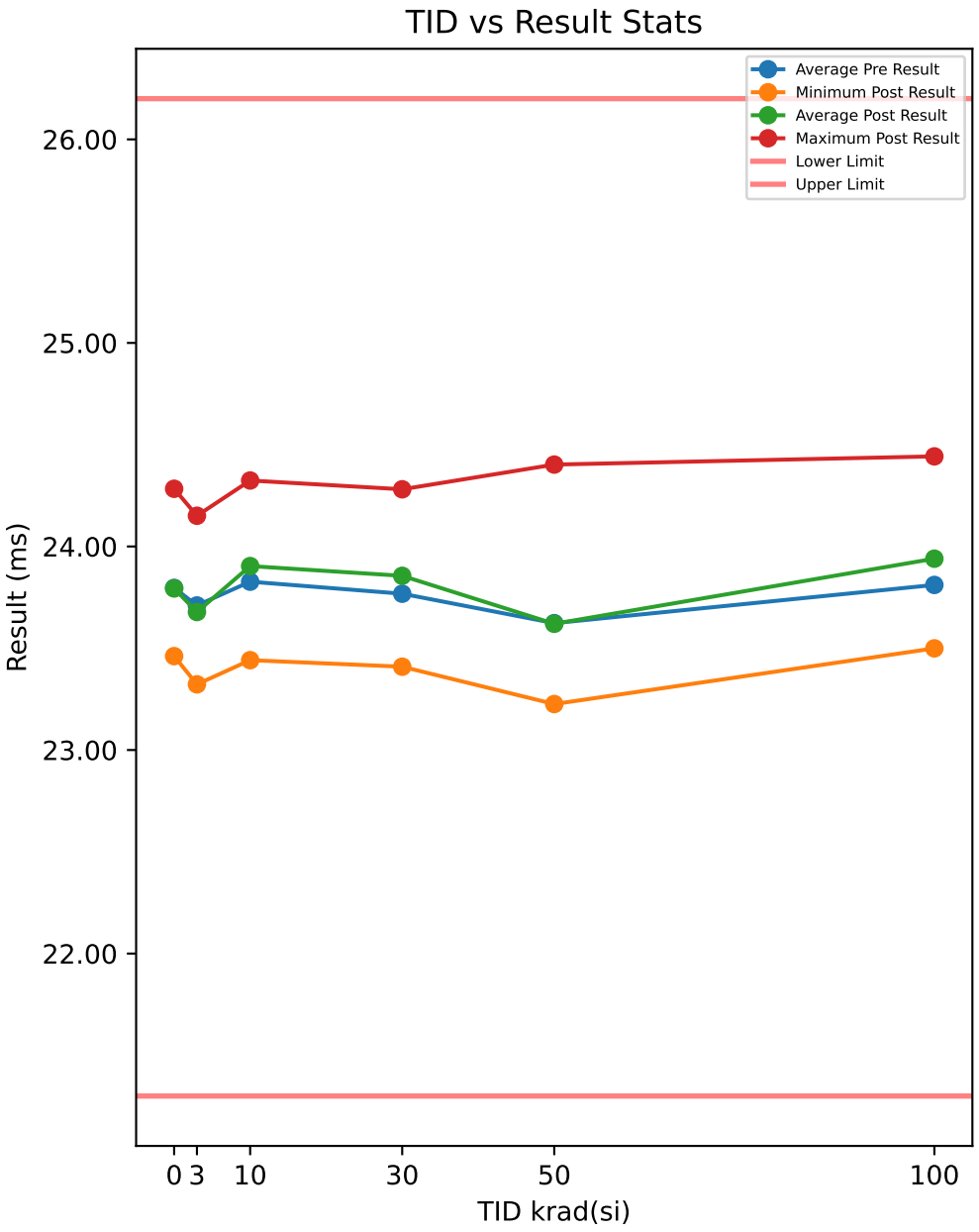
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

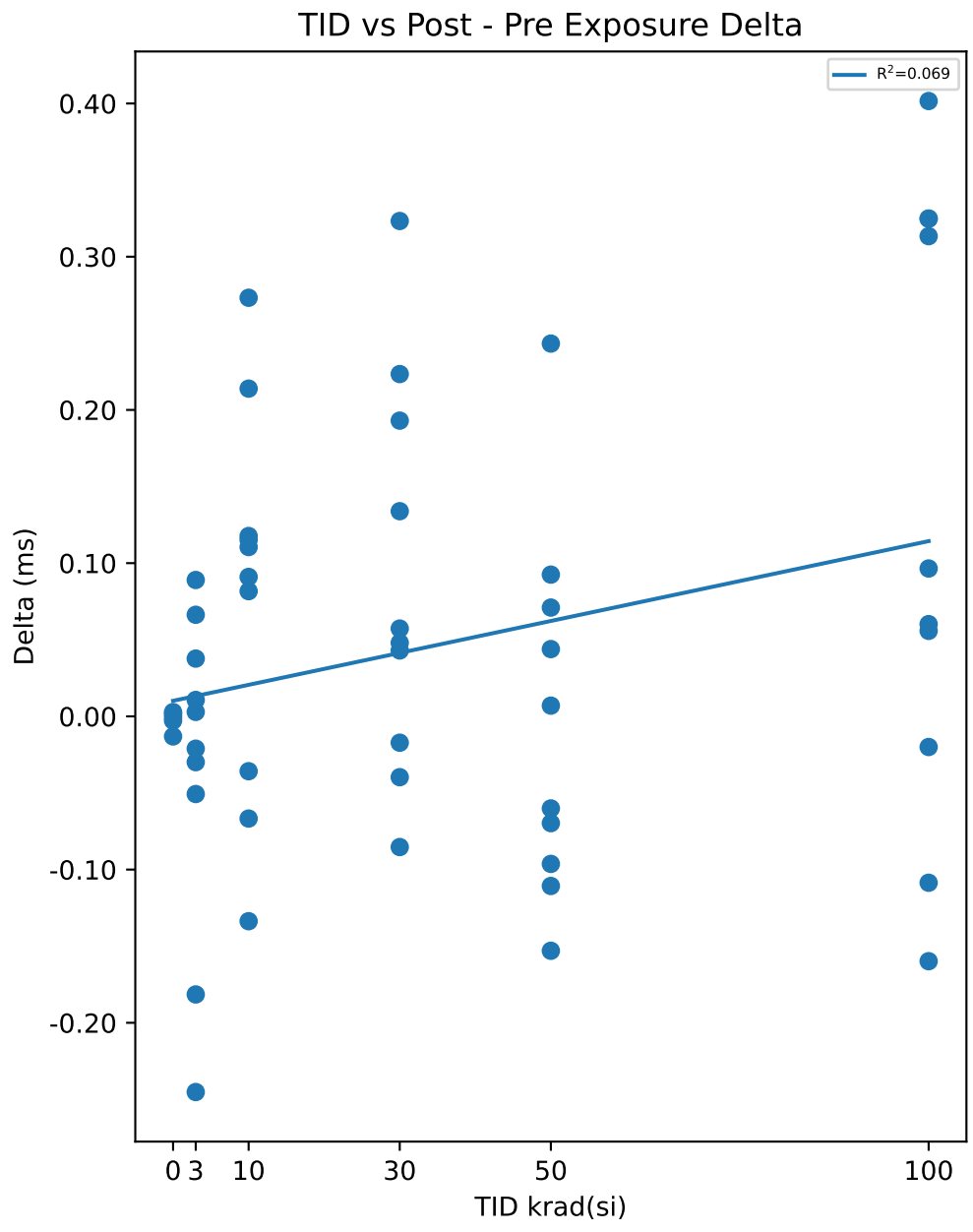
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	24.175	24.141	-0.0347
2	3	Biased	23.762	23.61	-0.1524
3	3	Biased	23.699	23.693	-0.0063
4	3	Biased	24.106	24.156	0.0508
5	3	Biased	23.756	23.6	-0.1554
6	3	Unbiased	23.32	23.476	0.1567
7	3	Unbiased	23.417	23.382	-0.0352
8	3	Unbiased	23.483	23.325	-0.1577
9	3	Unbiased	23.982	23.968	-0.0139
10	3	Unbiased	23.5	23.467	-0.0327
11	10	Biased	23.516	23.561	0.0455
12	10	Biased	23.531	23.575	0.0444
13	10	Biased	23.602	23.487	-0.1151
14	10	Biased	24.085	24.262	0.1775
15	10	Biased	23.555	23.445	-0.1095
16	10	Unbiased	24.083	24.331	0.2483
17	10	Unbiased	23.937	24.054	0.1174
18	10	Unbiased	24.012	24.02	0.0078
19	10	Unbiased	24.088	23.956	-0.1321
20	10	Unbiased	24.123	24.294	0.1709
21	30	Biased	23.989	24.022	0.033
22	30	Biased	24.007	24.125	0.1178
23	30	Biased	23.396	23.328	-0.0689
24	30	Biased	23.84	23.845	0.005
25	30	Biased	23.957	24.34	0.3827
26	30	Unbiased	23.98	23.927	-0.053
27	30	Unbiased	23.725	23.804	0.0791
28	30	Unbiased	23.387	23.366	-0.0207
29	30	Unbiased	23.418	23.419	0.0012
30	30	Unbiased	24.02	24.367	0.3473
31	50	Biased	23.387	23.6	0.213
32	50	Biased	24.213	24.381	0.1684
33	50	Biased	23.158	23.25	0.0917
34	50	Biased	23.332	23.179	-0.1533
35	50	Biased	23.845	23.811	-0.0341
36	50	Unbiased	23.966	23.927	-0.0393
37	50	Unbiased	23.351	23.452	0.1008
38	50	Unbiased	23.929	24.032	0.1034
39	50	Unbiased	23.292	23.218	-0.0742
40	50	Unbiased	23.32	23.39	0.07
41	100	Biased	23.998	24.05	0.052
42	100	Biased	23.795	23.899	0.1035
43	100	Biased	23.435	23.626	0.1913
44	100	Biased	23.617	23.738	0.1209
45	100	Biased	23.577	23.614	0.0368
46	100	Unbiased	24.201	24.483	0.2825
47	100	Unbiased	23.716	23.948	0.2316
48	100	Unbiased	23.929	24.142	0.2132
49	100	Unbiased	23.979	23.905	-0.0741
50	100	Unbiased	24.057	24.325	0.2677
51	0	Correlation	23.487	23.468	-0.0192
52	0	Correlation	24.275	24.327	0.052
53	0	Correlation	23.916	23.94	0.0238
54	0	Correlation	23.807	23.788	-0.0193
55	0	Correlation	23.554	23.605	0.051

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	23.487	23.808	24.275	0.31514	23.468	23.825	24.327	0.33258	-0.0193	0.01766	0.052	0.035543
3	23.32	23.72	24.175	0.29528	23.325	23.682	24.156	0.3046	-0.1577	-0.03808	0.1567	0.099233
10	23.516	23.853	24.123	0.26604	23.445	23.899	24.331	0.35145	-0.1321	0.04551	0.2483	0.13426
30	23.387	23.772	24.02	0.2715	23.328	23.854	24.367	0.3821	-0.0689	0.08235	0.3827	0.15934
50	23.158	23.579	24.213	0.36825	23.179	23.624	24.381	0.40197	-0.1533	0.04464	0.213	0.11531
100	23.435	23.831	24.201	0.24237	23.614	23.973	24.483	0.28549	-0.0741	0.14254	0.2825	0.11492

Device Test: 5.91; DLY_TMR_1MOHM





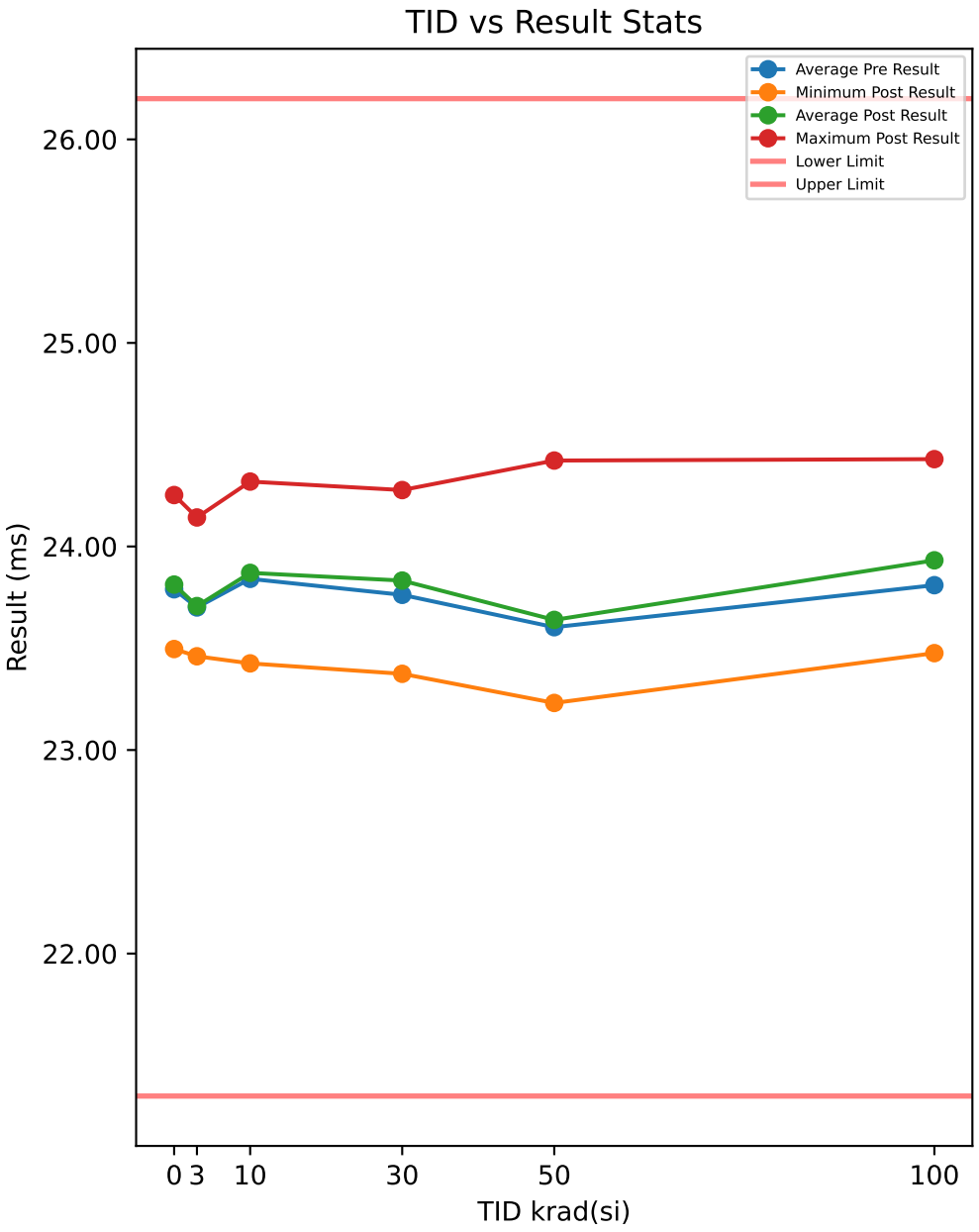
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

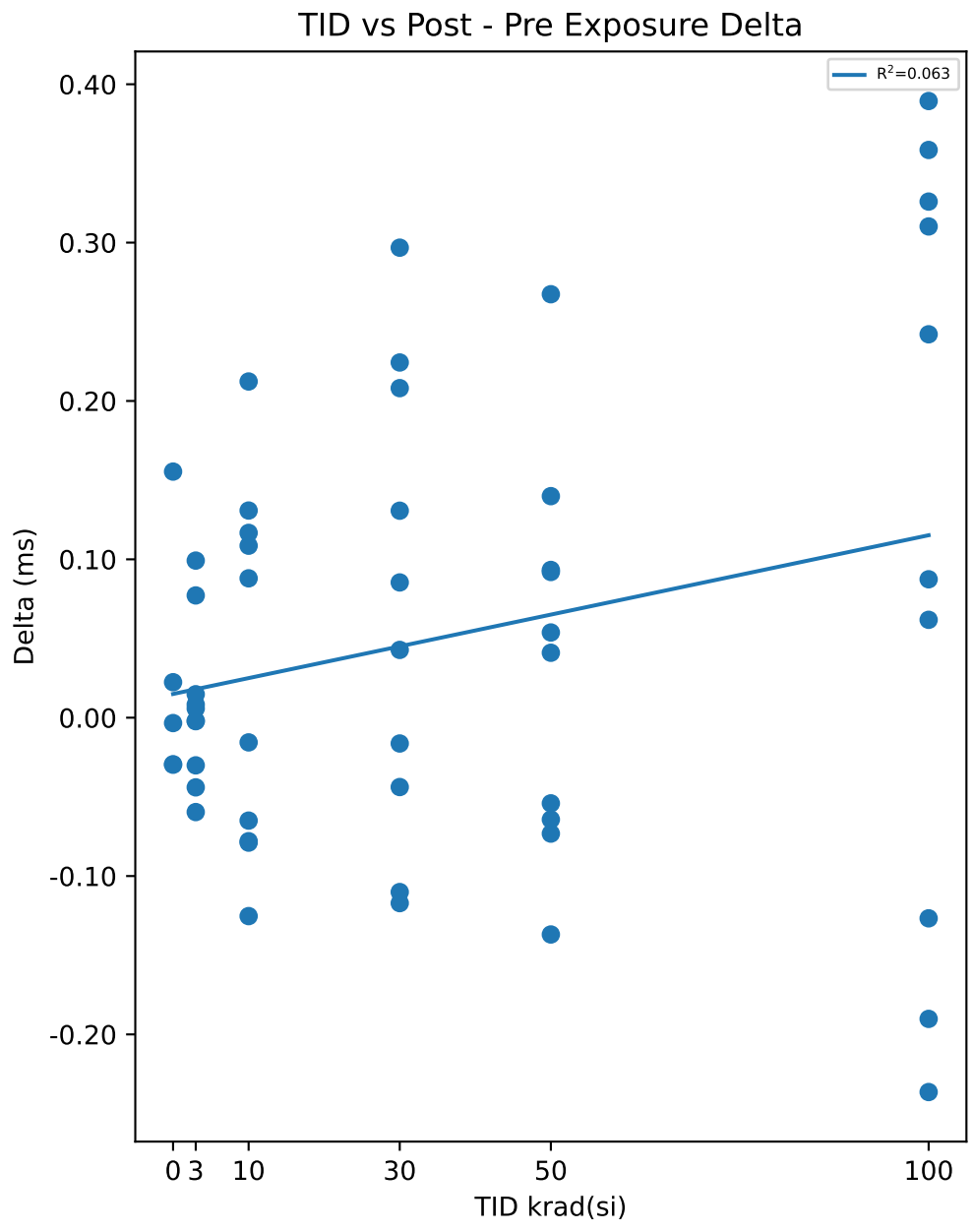
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	24.181	24.151	-0.0299
2	3	Biased	23.633	23.612	-0.0211
3	3	Biased	23.656	23.659	0.0029
4	3	Biased	24.096	24.107	0.0107
5	3	Biased	23.622	23.711	0.089
6	3	Unbiased	23.456	23.494	0.0377
7	3	Unbiased	23.526	23.345	-0.1815
8	3	Unbiased	23.568	23.323	-0.2452
9	3	Unbiased	23.873	23.939	0.0663
10	3	Unbiased	23.491	23.44	-0.0507
11	10	Biased	23.366	23.639	0.2732
12	10	Biased	23.538	23.63	0.091
13	10	Biased	23.512	23.593	0.0817
14	10	Biased	24.149	24.26	0.1105
15	10	Biased	23.508	23.442	-0.0667
16	10	Unbiased	24.11	24.324	0.2139
17	10	Unbiased	23.999	24.114	0.1152
18	10	Unbiased	23.933	23.897	-0.0358
19	10	Unbiased	24.061	23.927	-0.1337
20	10	Unbiased	24.093	24.211	0.1177
21	30	Biased	23.993	23.953	-0.0397
22	30	Biased	23.916	24.05	0.1339
23	30	Biased	23.465	23.448	-0.0172
24	30	Biased	23.817	23.865	0.048
25	30	Biased	23.956	24.28	0.3233
26	30	Unbiased	23.872	23.915	0.043
27	30	Unbiased	23.603	23.796	0.193
28	30	Unbiased	23.495	23.409	-0.0853
29	30	Unbiased	23.503	23.561	0.0573
30	30	Unbiased	24.058	24.281	0.2234
31	50	Biased	23.515	23.446	-0.0697
32	50	Biased	24.159	24.402	0.2433
33	50	Biased	23.301	23.241	-0.0601
34	50	Biased	23.379	23.226	-0.153
35	50	Biased	23.796	23.686	-0.1107
36	50	Unbiased	23.863	23.955	0.0925
37	50	Unbiased	23.44	23.511	0.071
38	50	Unbiased	24.017	24.024	0.007
39	50	Unbiased	23.318	23.362	0.0439
40	50	Unbiased	23.445	23.349	-0.0963
41	100	Biased	24.057	23.948	-0.1086
42	100	Biased	23.802	23.862	0.0602
43	100	Biased	23.403	23.499	0.0965
44	100	Biased	23.516	23.571	0.0558
45	100	Biased	23.659	23.639	-0.02
46	100	Unbiased	24.129	24.443	0.3134
47	100	Unbiased	23.618	24.02	0.4016
48	100	Unbiased	23.917	24.242	0.3249
49	100	Unbiased	24.064	23.904	-0.1598
50	100	Unbiased	23.946	24.27	0.3248
51	0	Correlation	23.487	23.474	-0.0131
52	0	Correlation	24.284	24.283	-0.0006
53	0	Correlation	23.939	23.936	-0.0028
54	0	Correlation	23.813	23.815	0.0015
55	0	Correlation	23.458	23.461	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	23.458	23.796	24.284	0.34204	23.461	23.794	24.283	0.34387	-0.0131	-0.00244	0.0028	0.0063272
3	23.456	23.71	24.181	0.25405	23.323	23.678	24.151	0.3	-0.2452	-0.03218	0.089	0.10566
10	23.366	23.827	24.149	0.30677	23.442	23.904	24.324	0.31582	-0.1337	0.0767	0.2732	0.12448
30	23.465	23.768	24.058	0.22826	23.409	23.856	24.281	0.31051	-0.0853	0.08797	0.3233	0.12858
50	23.301	23.623	24.159	0.30968	23.226	23.62	24.402	0.39067	-0.153	-0.00321	0.2433	0.11929
100	23.403	23.811	24.129	0.25148	23.499	23.94	24.443	0.31402	-0.1598	0.12888	0.4016	0.19951

Device Test: 5.92; DLY_TMR_1MOHM





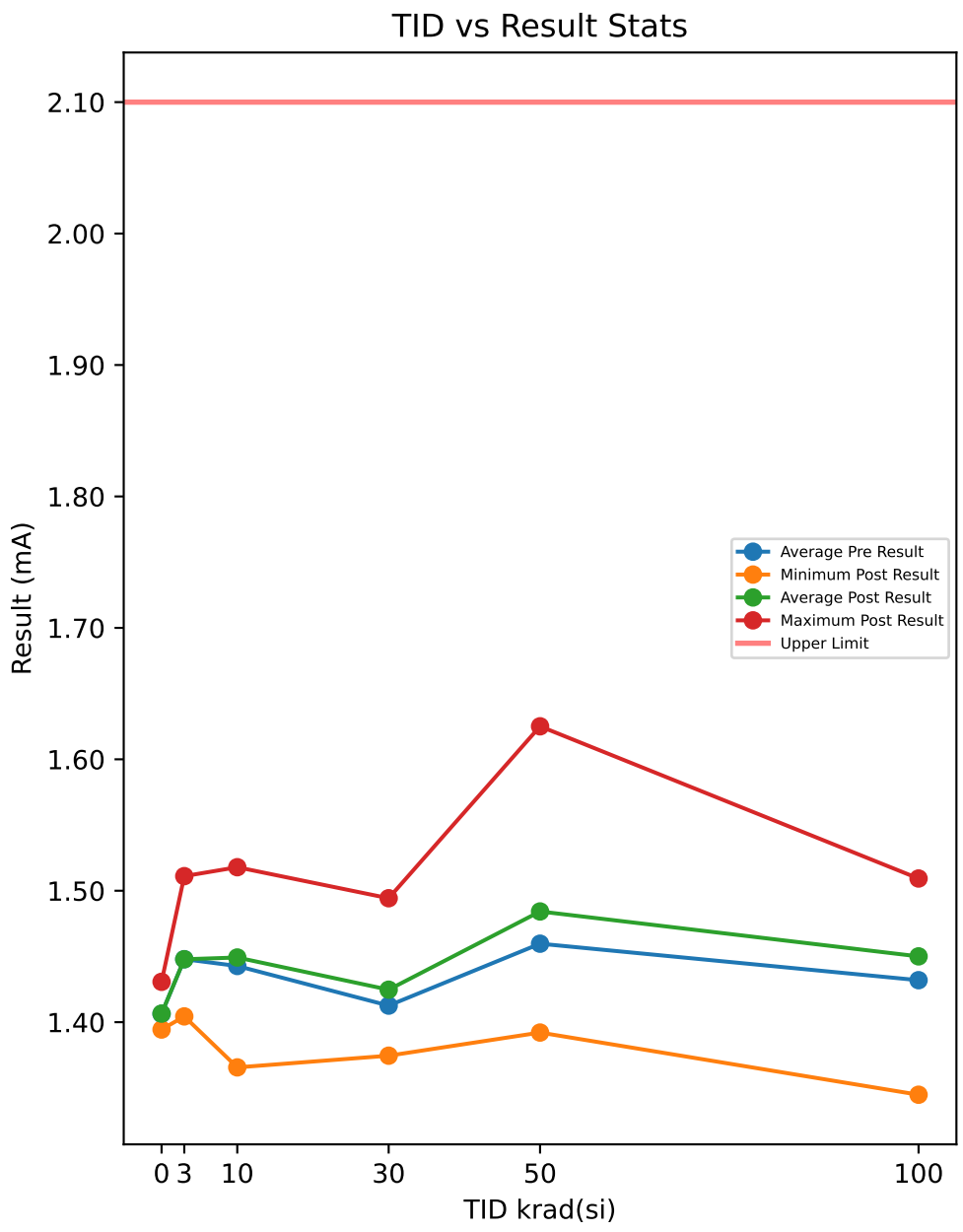
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

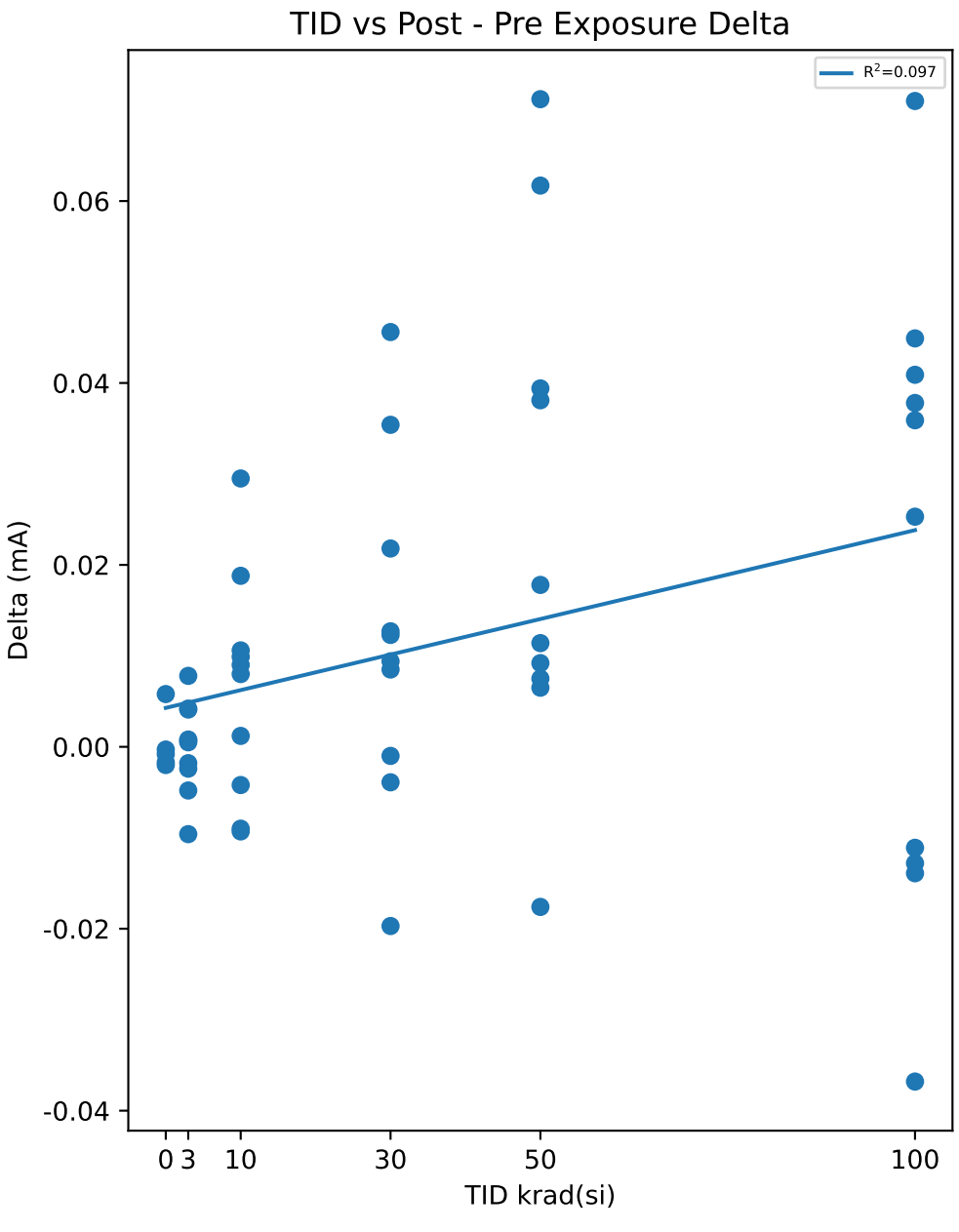
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	24.173	24.142	-0.0301
2	3	Biased	23.627	23.625	-0.0022
3	3	Biased	23.655	23.653	-0.002
4	3	Biased	24.093	24.102	0.0083
5	3	Biased	23.616	23.557	-0.0596
6	3	Unbiased	23.446	23.46	0.0148
7	3	Unbiased	23.5	23.506	0.0058
8	3	Unbiased	23.542	23.498	-0.044
9	3	Unbiased	23.867	23.944	0.0772
10	3	Unbiased	23.486	23.585	0.0992
11	10	Biased	23.547	23.482	-0.065
12	10	Biased	23.531	23.453	-0.078
13	10	Biased	23.505	23.426	-0.0789
14	10	Biased	24.148	24.279	0.1308
15	10	Biased	23.504	23.592	0.088
16	10	Unbiased	24.107	24.319	0.2123
17	10	Unbiased	23.993	24.109	0.1167
18	10	Unbiased	23.927	23.912	-0.0156
19	10	Unbiased	24.056	23.931	-0.1253
20	10	Unbiased	24.093	24.201	0.1086
21	30	Biased	23.987	23.943	-0.0438
22	30	Biased	23.914	24.045	0.1307
23	30	Biased	23.462	23.446	-0.0163
24	30	Biased	23.807	23.893	0.0854
25	30	Biased	23.951	24.248	0.2968
26	30	Unbiased	23.865	23.907	0.0428
27	30	Unbiased	23.596	23.805	0.2081
28	30	Unbiased	23.491	23.374	-0.1171
29	30	Unbiased	23.497	23.387	-0.1101
30	30	Unbiased	24.053	24.277	0.2243
31	50	Biased	23.505	23.45	-0.0541
32	50	Biased	24.155	24.422	0.2674
33	50	Biased	23.296	23.231	-0.0643
34	50	Biased	23.371	23.234	-0.1369
35	50	Biased	23.794	23.721	-0.0732
36	50	Unbiased	23.862	23.954	0.092
37	50	Unbiased	23.444	23.485	0.041
38	50	Unbiased	23.88	24.02	0.1399
39	50	Unbiased	23.294	23.387	0.0933
40	50	Unbiased	23.435	23.488	0.0538
41	100	Biased	24.034	23.907	-0.1267
42	100	Biased	23.794	23.856	0.0618
43	100	Biased	23.395	23.482	0.0874
44	100	Biased	23.509	23.751	0.2421
45	100	Biased	23.712	23.476	-0.2364
46	100	Unbiased	24.119	24.429	0.3102
47	100	Unbiased	23.625	24.015	0.3894
48	100	Unbiased	23.913	24.238	0.3259
49	100	Unbiased	24.056	23.866	-0.1902
50	100	Unbiased	23.942	24.3	0.3585
51	0	Correlation	23.474	23.496	0.0224
52	0	Correlation	24.282	24.253	-0.0297
53	0	Correlation	23.934	23.93	-0.0034
54	0	Correlation	23.808	23.779	-0.0294
55	0	Correlation	23.451	23.606	0.1554

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	23.451	23.79	24.282	0.34591	23.496	23.813	24.253	0.29642	-0.0297	0.02306	0.1554	0.077055
3	23.446	23.7	24.173	0.25729	23.46	23.707	24.142	0.25683	-0.0596	0.00674	0.0992	0.049521
10	23.504	23.841	24.148	0.28165	23.426	23.87	24.319	0.35592	-0.1253	0.02936	0.2123	0.11508
30	23.462	23.762	24.053	0.22785	23.374	23.832	24.277	0.33254	-0.1171	0.07008	0.2968	0.14408
50	23.294	23.603	24.155	0.2967	23.231	23.639	24.422	0.38592	-0.1369	0.03589	0.2674	0.12069
100	23.395	23.81	24.119	0.24521	23.476	23.932	24.429	0.32274	-0.2364	0.1222	0.3894	0.23838

Device Test: 6.1; ISD





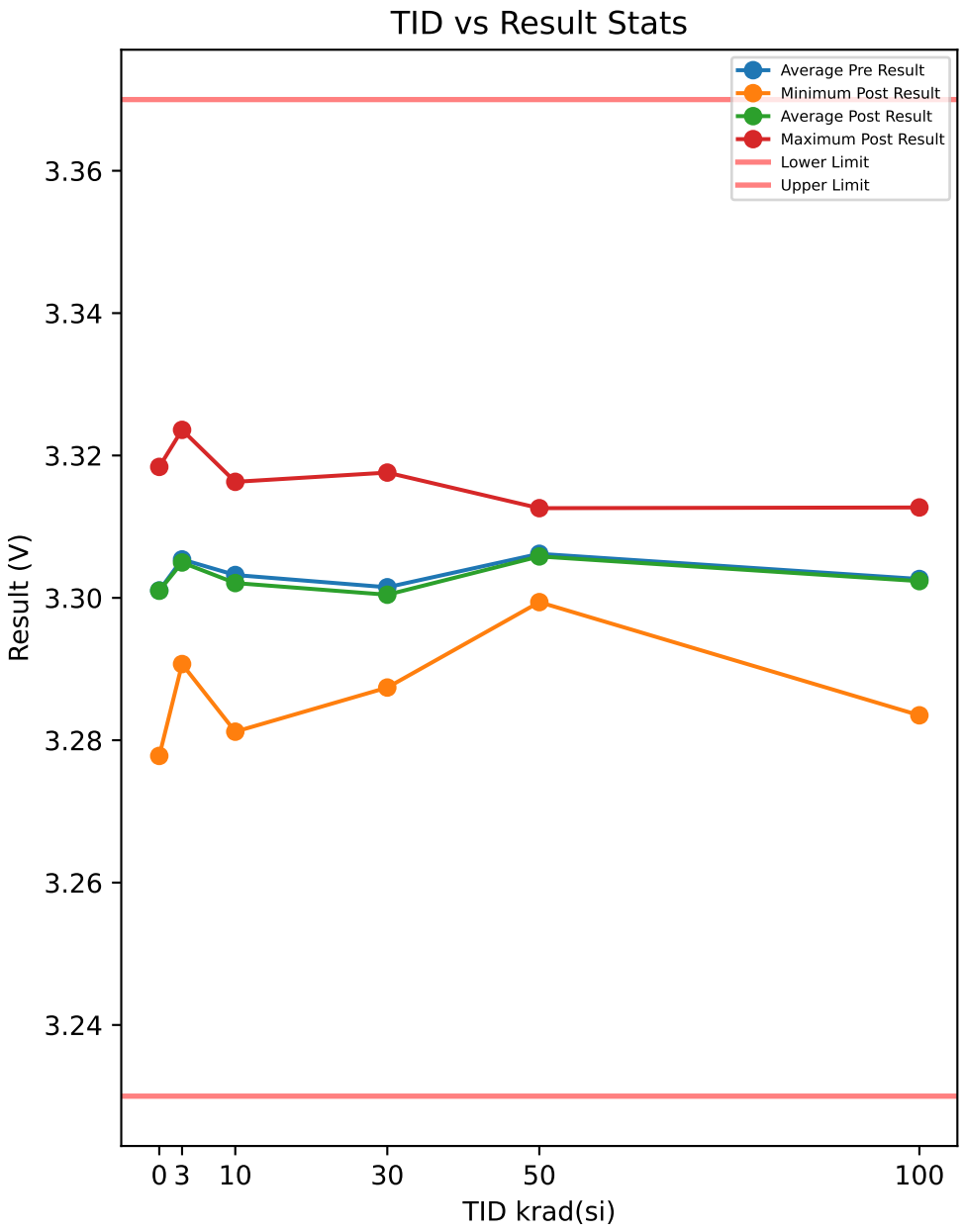
Test Results (Upper Limit = 2.1 (mA))

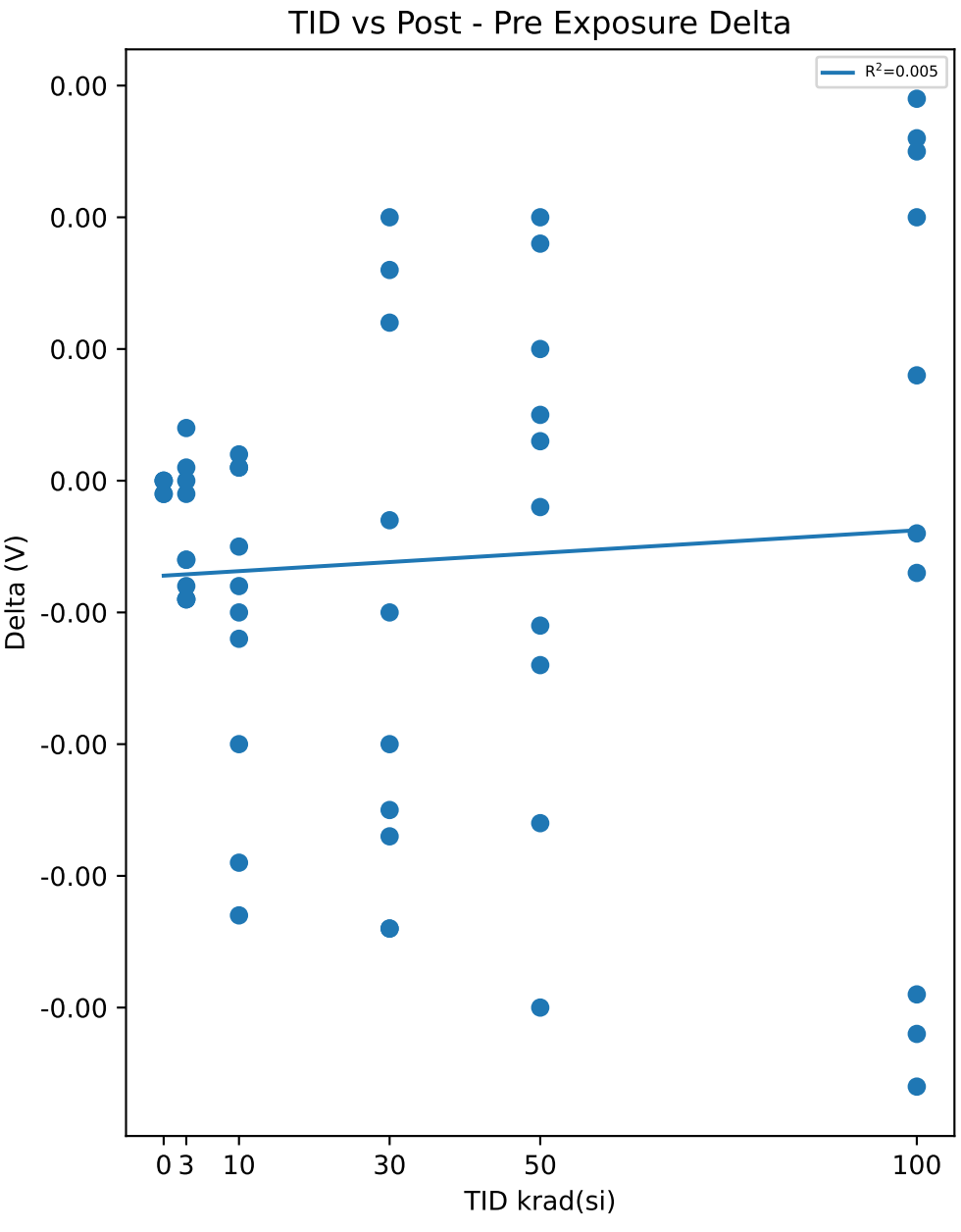
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.4219	1.4195	-0.0024
2	3	Biased	1.4137	1.4142	0.0005
3	3	Biased	1.4347	1.4355	0.0008
4	3	Biased	1.4903	1.4807	-0.0096
5	3	Biased	1.507	1.5111	0.0041
6	3	Unbiased	1.4062	1.4044	-0.0018
7	3	Unbiased	1.4134	1.4141	0.0007
8	3	Unbiased	1.484	1.4792	-0.0048
9	3	Unbiased	1.4522	1.46	0.0078
10	3	Unbiased	1.4557	1.4599	0.0042
11	10	Biased	1.4721	1.4909	0.0188
12	10	Biased	1.3958	1.4253	0.0295
13	10	Biased	1.4442	1.4532	0.009
14	10	Biased	1.4092	1.405	-0.0042
15	10	Biased	1.4837	1.4849	0.0012
16	10	Unbiased	1.483	1.474	-0.009
17	10	Unbiased	1.4529	1.4436	-0.0093
18	10	Unbiased	1.4217	1.4316	0.0099
19	10	Unbiased	1.5099	1.5179	0.008
20	10	Unbiased	1.355	1.3656	0.0106
21	30	Biased	1.4394	1.4488	0.0094
22	30	Biased	1.3833	1.4051	0.0218
23	30	Biased	1.3815	1.39	0.0085
24	30	Biased	1.4368	1.4722	0.0354
25	30	Biased	1.3942	1.3745	-0.0197
26	30	Unbiased	1.4357	1.4318	-0.0039
27	30	Unbiased	1.3973	1.3963	-0.001
28	30	Unbiased	1.4487	1.4943	0.0456
29	30	Unbiased	1.4433	1.456	0.0127
30	30	Unbiased	1.3658	1.3781	0.0123
31	50	Biased	1.4658	1.5039	0.0381
32	50	Biased	1.3944	1.4561	0.0617
33	50	Biased	1.4848	1.5242	0.0394
34	50	Biased	1.5539	1.6251	0.0712
35	50	Biased	1.4172	1.4264	0.0092
36	50	Unbiased	1.4961	1.5036	0.0075
37	50	Unbiased	1.4124	1.4238	0.0114
38	50	Unbiased	1.3856	1.3921	0.0065
39	50	Unbiased	1.4146	1.397	-0.0176
40	50	Unbiased	1.5723	1.5901	0.0178
41	100	Biased	1.3958	1.3819	-0.0139
42	100	Biased	1.4157	1.4867	0.071
43	100	Biased	1.3816	1.3448	-0.0368
44	100	Biased	1.4449	1.4702	0.0253
45	100	Biased	1.4407	1.4816	0.0409
46	100	Unbiased	1.3823	1.4272	0.0449
47	100	Unbiased	1.4051	1.441	0.0359
48	100	Unbiased	1.4715	1.5093	0.0378
49	100	Unbiased	1.4907	1.4796	-0.0111
50	100	Unbiased	1.4911	1.4783	-0.0128
51	0	Correlation	1.4315	1.4307	-0.0008
52	0	Correlation	1.3964	1.3944	-0.002
53	0	Correlation	1.4043	1.4101	0.0058
54	0	Correlation	1.4031	1.4028	-0.0003
55	0	Correlation	1.3963	1.3946	-0.0017

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	1.3963	1.4063	1.4315	0.014554	1.3944	1.4065	1.4307	0.015003	-0.002	0.0002	0.0058	0.0032039
3	1.4062	1.4479	1.507	0.035935	1.4044	1.4479	1.5111	0.035701	-0.0096	-5e-05	0.0078	0.0049536
10	1.355	1.4427	1.5099	0.047429	1.3656	1.4492	1.5179	0.044993	-0.0093	0.00645	0.0295	0.012246
30	1.3658	1.4126	1.4487	0.031041	1.3745	1.4247	1.4943	0.041896	-0.0197	0.01211	0.0456	0.018911
50	1.3856	1.4597	1.5723	0.066145	1.3921	1.4842	1.6251	0.079789	-0.0176	0.02452	0.0712	0.027503
100	1.3816	1.4319	1.4911	0.042231	1.3448	1.4501	1.5093	0.051911	-0.0368	0.01812	0.071	0.034381

Device Test: 6.10; VLDO_REG





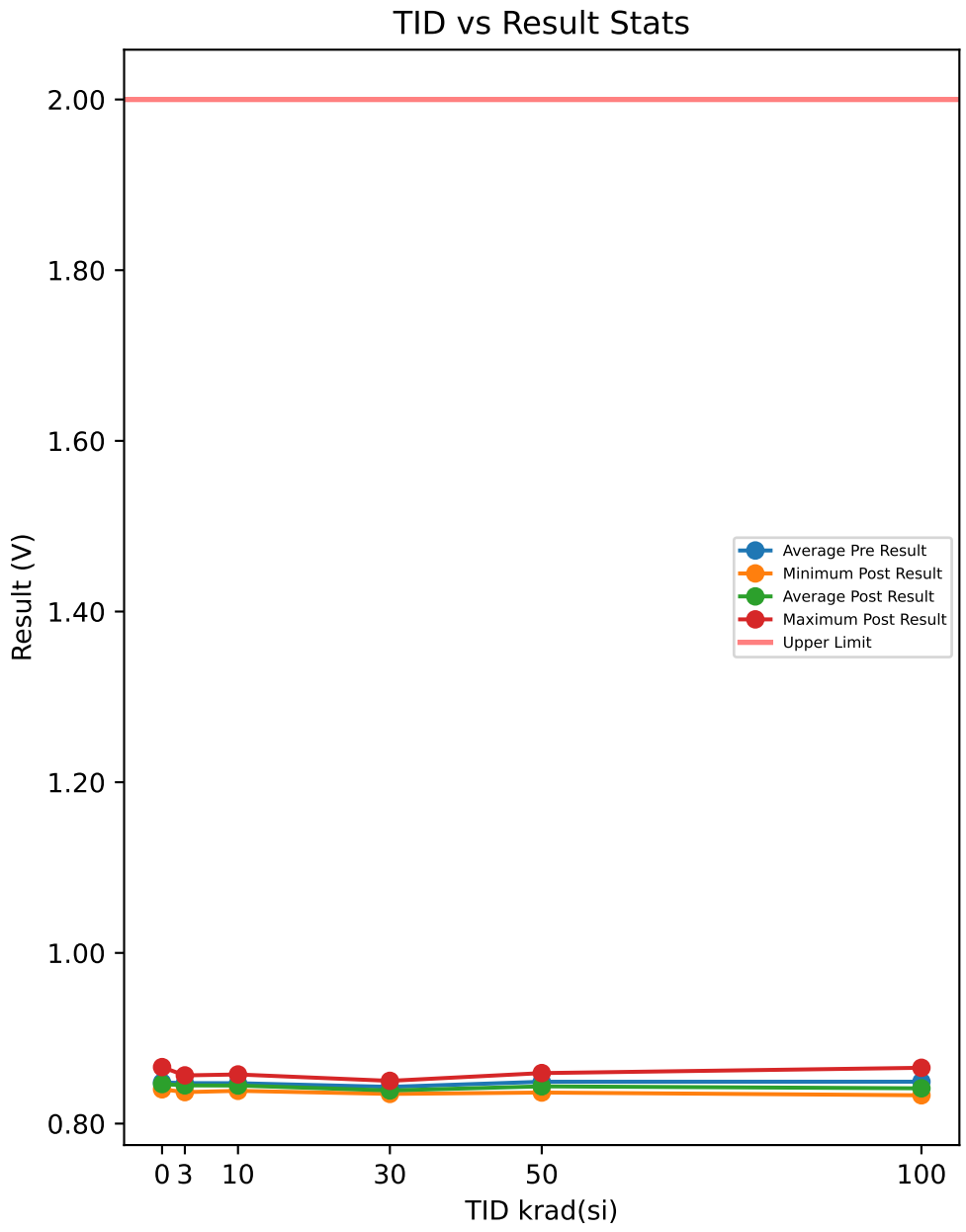
Test Results (Lower Limit = 3.23, Upper Limit = 3.37 (V))

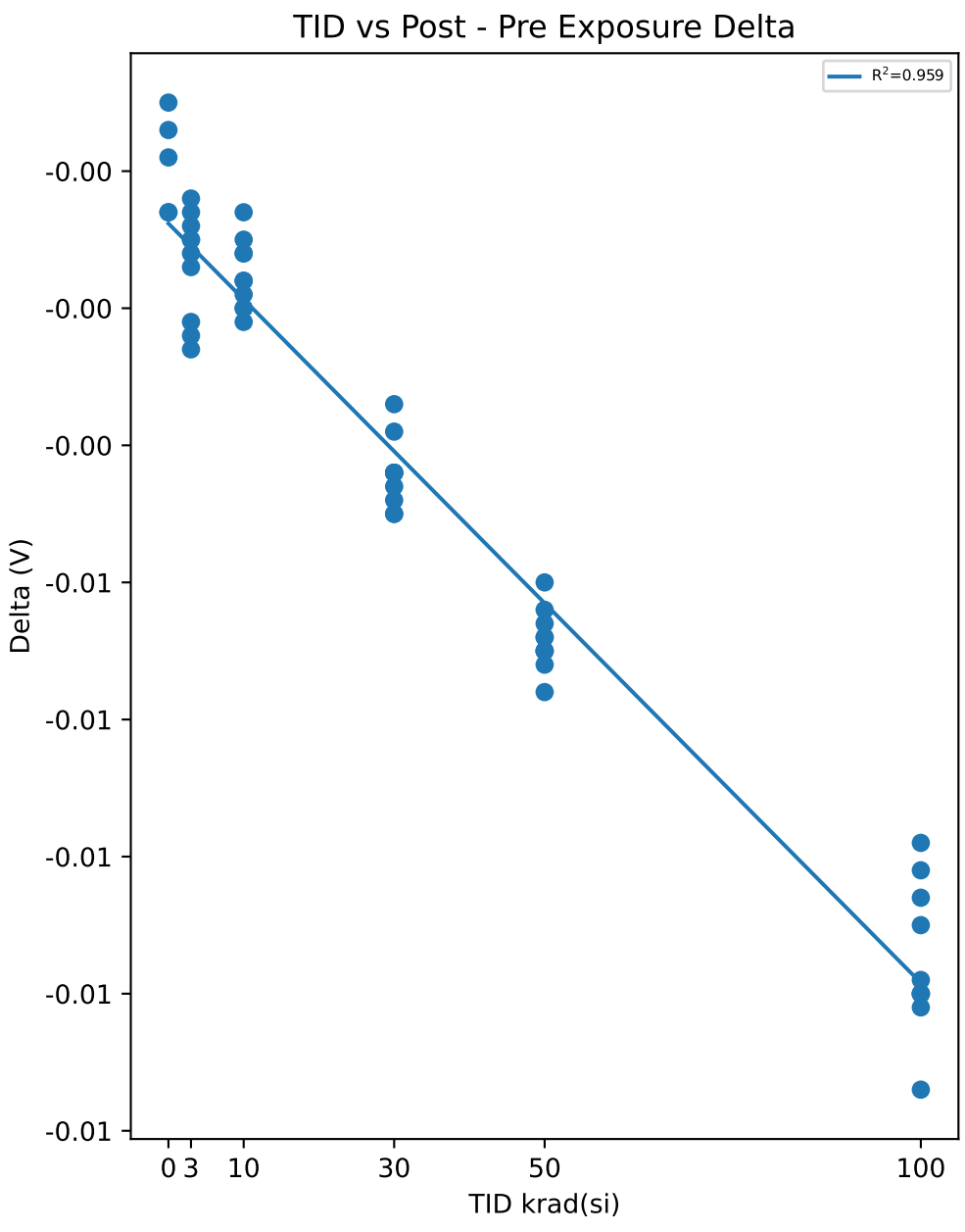
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	3.2916	3.2907	-0.0009
2	3	Biased	3.3242	3.3236	-0.0006
3	3	Biased	3.2958	3.2949	-0.0009
4	3	Biased	3.3025	3.3026	0.0001
5	3	Biased	3.3175	3.3167	-0.0008
6	3	Unbiased	3.307	3.3061	-0.0009
7	3	Unbiased	3.3113	3.3112	-0.0001
8	3	Unbiased	3.3097	3.3101	0.0004
9	3	Unbiased	3.2945	3.2945	0
10	3	Unbiased	3.2999	3.2993	-0.0006
11	10	Biased	3.3027	3.2994	-0.0033
12	10	Biased	3.3024	3.3026	0.0002
13	10	Biased	3.3031	3.3019	-0.0012
14	10	Biased	3.3107	3.3097	-0.001
15	10	Biased	3.2994	3.2986	-0.0008
16	10	Unbiased	3.3152	3.3153	0.0001
17	10	Unbiased	3.3168	3.3163	-0.0005
18	10	Unbiased	3.3034	3.3014	-0.002
19	10	Unbiased	3.2943	3.2944	0.0001
20	10	Unbiased	3.2841	3.2812	-0.0029
21	30	Biased	3.3088	3.3108	0.002
22	30	Biased	3.3014	3.3011	-0.0003
23	30	Biased	3.3104	3.307	-0.0034
24	30	Biased	3.2897	3.2913	0.0016
25	30	Biased	3.2934	3.2946	0.0012
26	30	Unbiased	3.3004	3.297	-0.0034
27	30	Unbiased	3.3008	3.2998	-0.001
28	30	Unbiased	3.2901	3.2874	-0.0027
29	30	Unbiased	3.3196	3.3176	-0.002
30	30	Unbiased	3.3003	3.2978	-0.0025
31	50	Biased	3.3082	3.3087	0.0005
32	50	Biased	3.3123	3.3097	-0.0026
33	50	Biased	3.3069	3.3087	0.0018
34	50	Biased	3.3123	3.3126	0.0003
35	50	Biased	3.3008	3.2994	-0.0014
36	50	Unbiased	3.3008	3.2997	-0.0011
37	50	Unbiased	3.3115	3.3075	-0.004
38	50	Unbiased	3.3052	3.305	-0.0002
39	50	Unbiased	3.3051	3.3061	0.001
40	50	Unbiased	3.2988	3.3008	0.002
41	100	Biased	3.3109	3.3105	-0.0004
42	100	Biased	3.2881	3.2835	-0.0046
43	100	Biased	3.2921	3.295	0.0029
44	100	Biased	3.304	3.306	0.002
45	100	Biased	3.3134	3.3127	-0.0007
46	100	Unbiased	3.2985	3.301	0.0025
47	100	Unbiased	3.301	3.3036	0.0026
48	100	Unbiased	3.2988	3.2996	0.0008
49	100	Unbiased	3.3089	3.305	-0.0039
50	100	Unbiased	3.3108	3.3066	-0.0042
51	0	Correlation	3.2959	3.2959	0
52	0	Correlation	3.307	3.3069	-0.0001
53	0	Correlation	3.2778	3.2778	0
54	0	Correlation	3.3184	3.3184	0
55	0	Correlation	3.3061	3.306	-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	3.2778	3.301	3.3184	0.01524	3.2778	3.301	3.3184	0.015222	-0.0001	-4e-05	0	5.4772e-05
3	3.2916	3.3054	3.3242	0.010519	3.2907	3.305	3.3236	0.010559	-0.0009	-0.00043	0.0004	0.00048546
10	3.2841	3.3032	3.3168	0.0096874	3.2812	3.3021	3.3163	0.010274	-0.0033	-0.00113	0.0002	0.0012437
30	3.2897	3.3015	3.3196	0.0094167	3.2874	3.3004	3.3176	0.0091419	-0.0034	-0.00105	0.002	0.0020743
50	3.2988	3.3062	3.3123	0.0049698	3.2994	3.3058	3.3126	0.0045345	-0.004	-0.00037	0.002	0.0019201
100	3.2881	3.3026	3.3134	0.0084899	3.2835	3.3023	3.3127	0.0083815	-0.0046	-0.0003	0.0029	0.0029781

Device Test: 6.100; VOL_RESET_10MA_OD





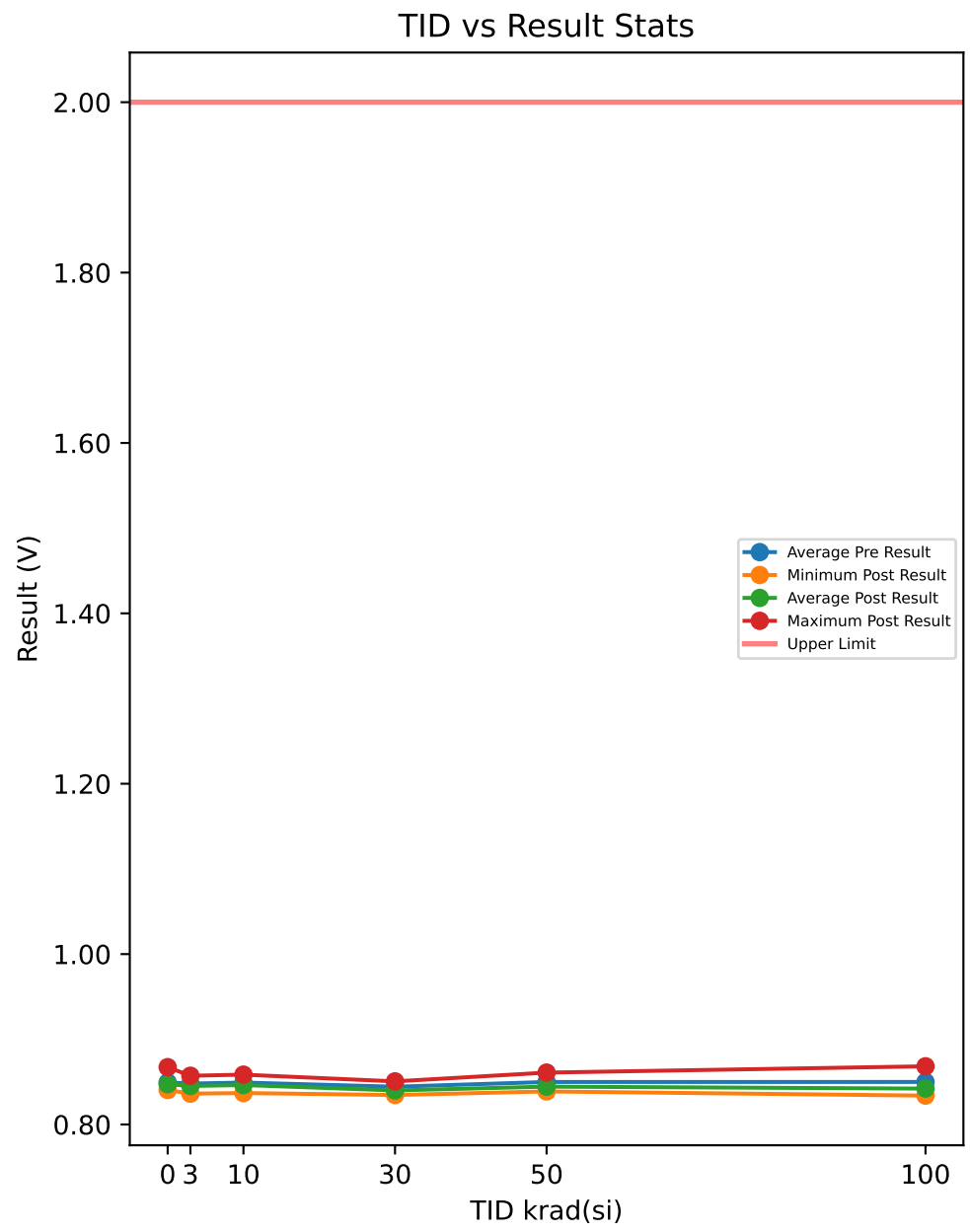
Test Results (Upper Limit = 2.0 (V))

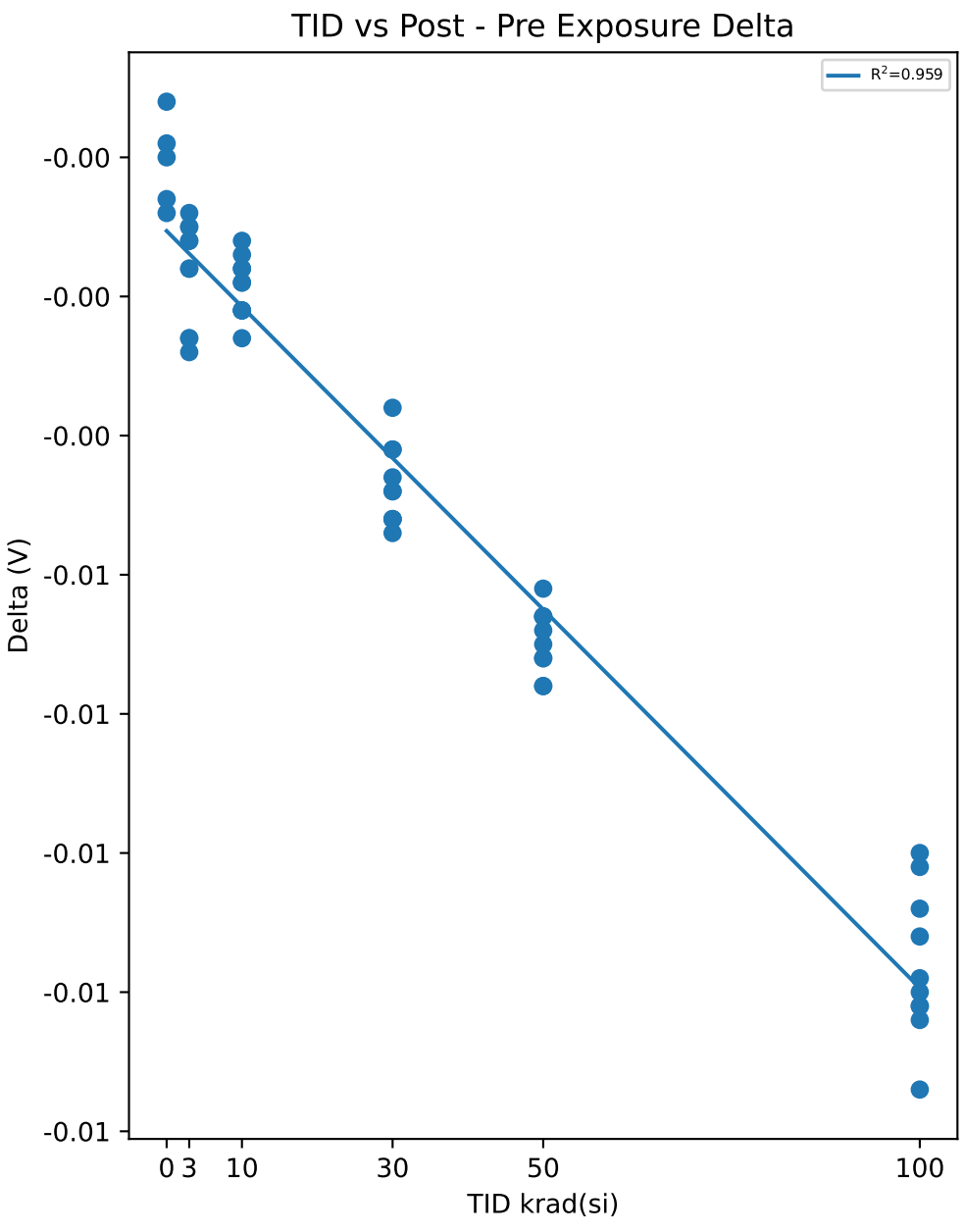
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.8418	0.8386	-0.0032
2	3	Biased	0.854	0.8507	-0.0033
3	3	Biased	0.8531	0.85	-0.0031
4	3	Biased	0.848	0.8455	-0.0025
5	3	Biased	0.8395	0.8369	-0.0026
6	3	Unbiased	0.8426	0.8401	-0.0025
7	3	Unbiased	0.8588	0.8565	-0.0023
8	3	Unbiased	0.8407	0.8385	-0.0022
9	3	Unbiased	0.8475	0.8451	-0.0024
10	3	Unbiased	0.8486	0.8459	-0.0027
11	10	Biased	0.8419	0.8389	-0.003
12	10	Biased	0.8413	0.8384	-0.0029
13	10	Biased	0.8451	0.8423	-0.0028
14	10	Biased	0.842	0.8389	-0.0031
15	10	Biased	0.8448	0.842	-0.0028
16	10	Unbiased	0.8495	0.8465	-0.003
17	10	Unbiased	0.8602	0.8576	-0.0026
18	10	Unbiased	0.8525	0.8499	-0.0026
19	10	Unbiased	0.8441	0.8418	-0.0023
20	10	Unbiased	0.8522	0.8497	-0.0025
21	30	Biased	0.8406	0.8369	-0.0037
22	30	Biased	0.8402	0.836	-0.0042
23	30	Biased	0.8543	0.8501	-0.0042
24	30	Biased	0.8451	0.8406	-0.0045
25	30	Biased	0.8395	0.8353	-0.0042
26	30	Unbiased	0.8442	0.84	-0.0042
27	30	Unbiased	0.8433	0.839	-0.0043
28	30	Unbiased	0.8387	0.8348	-0.0039
29	30	Unbiased	0.8449	0.8404	-0.0045
30	30	Unbiased	0.8396	0.8352	-0.0044
31	50	Biased	0.8595	0.854	-0.0055
32	50	Biased	0.8431	0.8379	-0.0052
33	50	Biased	0.8465	0.841	-0.0055
34	50	Biased	0.8642	0.8592	-0.005
35	50	Biased	0.8524	0.847	-0.0054
36	50	Unbiased	0.8459	0.8405	-0.0054
37	50	Unbiased	0.8462	0.8406	-0.0056
38	50	Unbiased	0.8432	0.8379	-0.0053
39	50	Unbiased	0.8422	0.8364	-0.0058
40	50	Unbiased	0.8474	0.8419	-0.0055
41	100	Biased	0.8431	0.8356	-0.0075
42	100	Biased	0.8414	0.8334	-0.008
43	100	Biased	0.8474	0.8401	-0.0073
44	100	Biased	0.8491	0.8411	-0.008
45	100	Biased	0.8435	0.8355	-0.008
46	100	Unbiased	0.8526	0.8439	-0.0087
47	100	Unbiased	0.8733	0.8654	-0.0079
48	100	Unbiased	0.8565	0.8484	-0.0081
49	100	Unbiased	0.8403	0.8332	-0.0071
50	100	Unbiased	0.8438	0.8369	-0.0069
51	0	Correlation	0.8421	0.8406	-0.0015
52	0	Correlation	0.8679	0.8662	-0.0017
53	0	Correlation	0.8445	0.8426	-0.0019
54	0	Correlation	0.8425	0.8402	-0.0023
55	0	Correlation	0.8443	0.842	-0.0023

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	0.8421	0.84826	0.8679	0.01103	0.8402	0.84632	0.8662	0.011157	-0.0023	-0.00194	-0.0015	0.00035777
3	0.8395	0.84746	0.8588	0.0064073	0.8369	0.84478	0.8565	0.0063522	-0.0033	-0.00268	-0.0022	0.00038816
10	0.8413	0.84736	0.8602	0.0061178	0.8384	0.8446	0.8576	0.0062363	-0.0031	-0.00276	-0.0023	0.00025473
30	0.8387	0.84304	0.8543	0.0046323	0.8348	0.83883	0.8501	0.0045658	-0.0045	-0.00421	-0.0037	0.00025144
50	0.8422	0.84906	0.8642	0.0074069	0.8364	0.84364	0.8592	0.007514	-0.0058	-0.00542	-0.005	0.0002201
100	0.8403	0.8491	0.8733	0.0099315	0.8332	0.84135	0.8654	0.0097351	-0.0087	-0.00775	-0.0069	0.00054212

Device Test: 6.101; VOL_RESET_10MA_OD





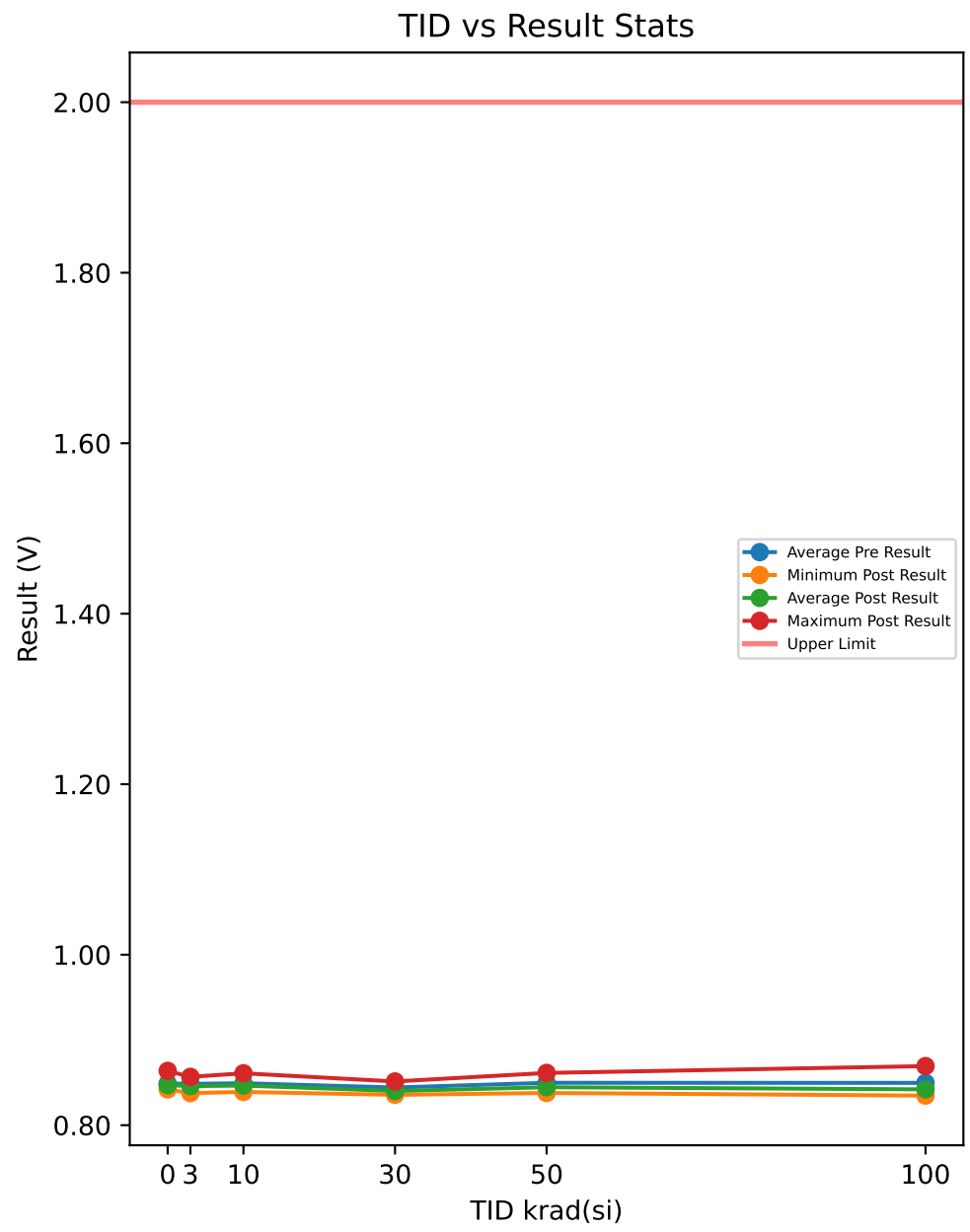
Test Results (Upper Limit = 2.0 (V))

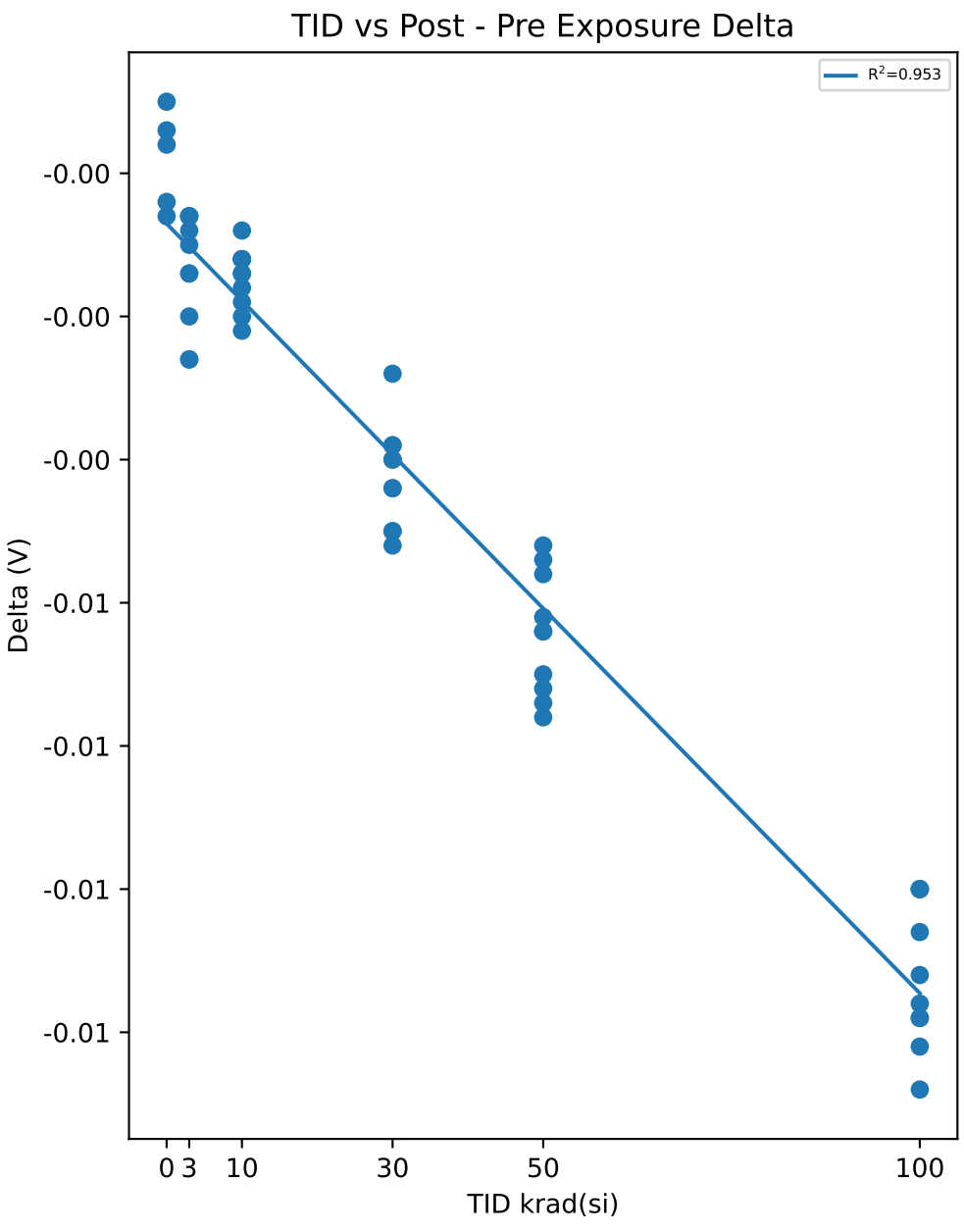
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.8409	0.8376	-0.0033
2	3	Biased	0.8506	0.8472	-0.0034
3	3	Biased	0.8547	0.8514	-0.0033
4	3	Biased	0.8515	0.8487	-0.0028
5	3	Biased	0.8388	0.8362	-0.0026
6	3	Unbiased	0.8443	0.8417	-0.0026
7	3	Unbiased	0.8597	0.8572	-0.0025
8	3	Unbiased	0.8439	0.8415	-0.0024
9	3	Unbiased	0.8452	0.8427	-0.0025
10	3	Unbiased	0.8507	0.8479	-0.0028
11	10	Biased	0.844	0.8409	-0.0031
12	10	Biased	0.84	0.8369	-0.0031
13	10	Biased	0.8492	0.8463	-0.0029
14	10	Biased	0.844	0.8407	-0.0033
15	10	Biased	0.8468	0.8439	-0.0029
16	10	Unbiased	0.8518	0.8487	-0.0031
17	10	Unbiased	0.8613	0.8585	-0.0028
18	10	Unbiased	0.8553	0.8525	-0.0028
19	10	Unbiased	0.8464	0.8437	-0.0027
20	10	Unbiased	0.8533	0.8507	-0.0026
21	30	Biased	0.8419	0.8381	-0.0038
22	30	Biased	0.8427	0.8384	-0.0043
23	30	Biased	0.855	0.8506	-0.0044
24	30	Biased	0.8483	0.8436	-0.0047
25	30	Biased	0.839	0.8346	-0.0044
26	30	Unbiased	0.845	0.8409	-0.0041
27	30	Unbiased	0.8449	0.8403	-0.0046
28	30	Unbiased	0.841	0.8369	-0.0041
29	30	Unbiased	0.8447	0.8401	-0.0046
30	30	Unbiased	0.8409	0.8363	-0.0046
31	50	Biased	0.8581	0.8525	-0.0056
32	50	Biased	0.8462	0.8409	-0.0053
33	50	Biased	0.8457	0.8401	-0.0056
34	50	Biased	0.866	0.8609	-0.0051
35	50	Biased	0.8539	0.8486	-0.0053
36	50	Unbiased	0.8477	0.8422	-0.0055
37	50	Unbiased	0.8464	0.8406	-0.0058
38	50	Unbiased	0.8441	0.8388	-0.0053
39	50	Unbiased	0.8452	0.8394	-0.0058
40	50	Unbiased	0.8456	0.8402	-0.0054
41	100	Biased	0.8429	0.8353	-0.0076
42	100	Biased	0.8431	0.835	-0.0081
43	100	Biased	0.8464	0.839	-0.0074
44	100	Biased	0.8515	0.8435	-0.008
45	100	Biased	0.8446	0.8364	-0.0082
46	100	Unbiased	0.8518	0.8431	-0.0087
47	100	Unbiased	0.8762	0.8683	-0.0079
48	100	Unbiased	0.8585	0.8504	-0.0081
49	100	Unbiased	0.841	0.8339	-0.0071
50	100	Unbiased	0.8434	0.8364	-0.007
51	0	Correlation	0.844	0.8424	-0.0016
52	0	Correlation	0.8693	0.8673	-0.002
53	0	Correlation	0.8424	0.8405	-0.0019
54	0	Correlation	0.8469	0.8446	-0.0023
55	0	Correlation	0.844	0.8416	-0.0024

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	0.8424	0.84932	0.8693	0.011287	0.8405	0.84728	0.8673	0.011292	-0.0024	-0.00204	-0.0016	0.00032094
3	0.8388	0.84803	0.8597	0.0065103	0.8362	0.84521	0.8572	0.0064716	-0.0034	-0.00282	-0.0024	0.00037653
10	0.84	0.84921	0.8613	0.0063202	0.8369	0.84628	0.8585	0.0064446	-0.0033	-0.00293	-0.0026	0.00021628
30	0.839	0.84434	0.855	0.0045988	0.8346	0.83998	0.8506	0.0045321	-0.0047	-0.00436	-0.0038	0.00028752
50	0.8441	0.84989	0.866	0.0071886	0.8388	0.84442	0.8609	0.0072993	-0.0058	-0.00547	-0.0051	0.00023118
100	0.841	0.84994	0.8762	0.010692	0.8339	0.84213	0.8683	0.010524	-0.0087	-0.00781	-0.007	0.00053009

Device Test: 6.102; VOL_RESET_10MA_OD





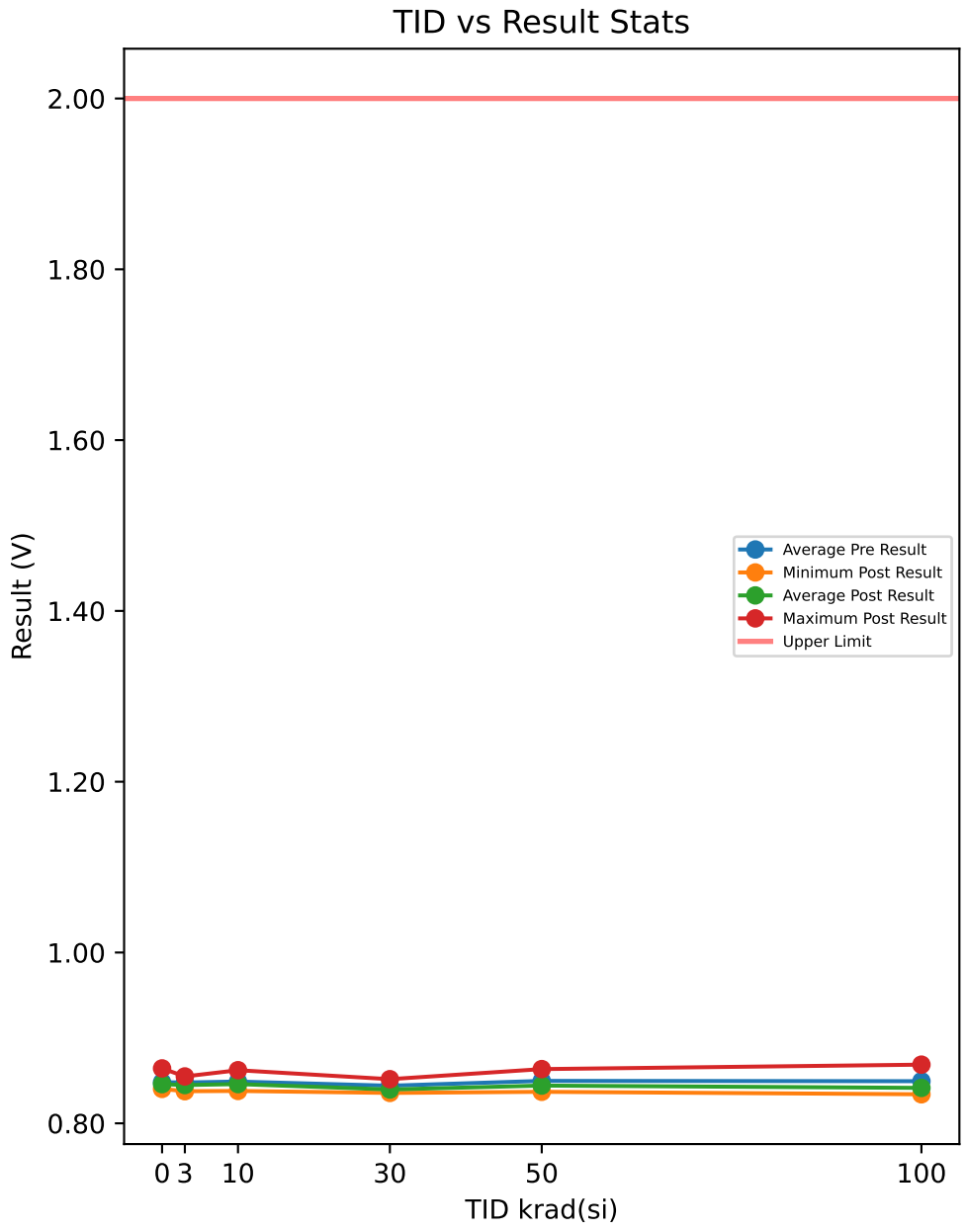
Test Results (Upper Limit = 2.0 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.8409	0.8376	-0.0033
2	3	Biased	0.8501	0.8468	-0.0033
3	3	Biased	0.8544	0.8514	-0.003
4	3	Biased	0.8496	0.8469	-0.0027
5	3	Biased	0.8434	0.841	-0.0024
6	3	Unbiased	0.8467	0.8444	-0.0023
7	3	Unbiased	0.8592	0.8567	-0.0025
8	3	Unbiased	0.8409	0.8386	-0.0023
9	3	Unbiased	0.8498	0.8475	-0.0023
10	3	Unbiased	0.8502	0.8475	-0.0027
11	10	Biased	0.8419	0.839	-0.0029
12	10	Biased	0.842	0.8392	-0.0028
13	10	Biased	0.8485	0.8459	-0.0026
14	10	Biased	0.8432	0.8402	-0.003
15	10	Biased	0.8467	0.8441	-0.0026
16	10	Unbiased	0.8505	0.8474	-0.0031
17	10	Unbiased	0.8636	0.8609	-0.0027
18	10	Unbiased	0.8545	0.8518	-0.0027
19	10	Unbiased	0.8462	0.8436	-0.0026
20	10	Unbiased	0.855	0.8526	-0.0024
21	30	Biased	0.8443	0.8409	-0.0034
22	30	Biased	0.8425	0.8386	-0.0039
23	30	Biased	0.8552	0.8513	-0.0039
24	30	Biased	0.8481	0.8439	-0.0042
25	30	Biased	0.8396	0.8356	-0.004
26	30	Unbiased	0.8437	0.8395	-0.0042
27	30	Unbiased	0.842	0.8375	-0.0045
28	30	Unbiased	0.8397	0.8357	-0.004
29	30	Unbiased	0.8447	0.8401	-0.0046
30	30	Unbiased	0.8424	0.8379	-0.0045
31	50	Biased	0.8586	0.8535	-0.0051
32	50	Biased	0.845	0.8402	-0.0048
33	50	Biased	0.8444	0.8392	-0.0052
34	50	Biased	0.8659	0.8613	-0.0046
35	50	Biased	0.8527	0.848	-0.0047
36	50	Unbiased	0.8477	0.8421	-0.0056
37	50	Unbiased	0.8465	0.841	-0.0055
38	50	Unbiased	0.843	0.8378	-0.0052
39	50	Unbiased	0.8478	0.842	-0.0058
40	50	Unbiased	0.8457	0.84	-0.0057
41	100	Biased	0.842	0.8347	-0.0073
42	100	Biased	0.843	0.8351	-0.0079
43	100	Biased	0.847	0.84	-0.007
44	100	Biased	0.8504	0.8428	-0.0076
45	100	Biased	0.8444	0.8366	-0.0078
46	100	Unbiased	0.8508	0.8424	-0.0084
47	100	Unbiased	0.8772	0.8693	-0.0079
48	100	Unbiased	0.8576	0.8495	-0.0081
49	100	Unbiased	0.8422	0.8352	-0.007
50	100	Unbiased	0.8417	0.8347	-0.007
51	0	Correlation	0.8435	0.842	-0.0015
52	0	Correlation	0.8654	0.8637	-0.0017
53	0	Correlation	0.845	0.8432	-0.0018
54	0	Correlation	0.8462	0.8439	-0.0023
55	0	Correlation	0.8442	0.842	-0.0022

Test Statistics (V)

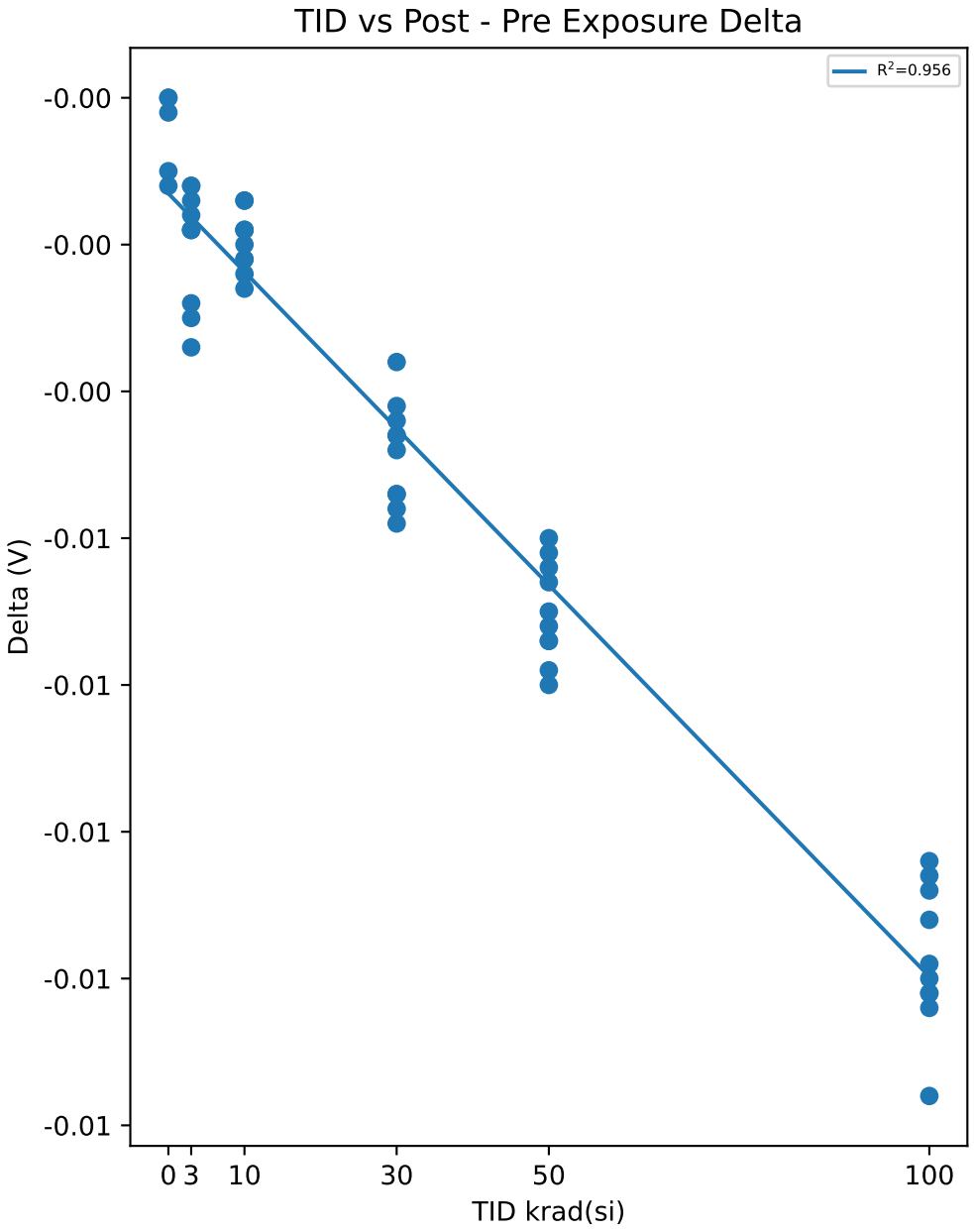
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.8435	0.84886	0.8654	0.0093004	0.842	0.84696	0.8637	0.0093932	-0.0023	-0.0019	-0.0015	0.00033912
3	0.8409	0.84852	0.8592	0.0057967	0.8376	0.84584	0.8567	0.0057949	-0.0033	-0.00268	-0.0023	0.00039665
10	0.8419	0.84921	0.8636	0.0068932	0.839	0.84647	0.8609	0.0069699	-0.0031	-0.00274	-0.0024	0.00021187
30	0.8396	0.84422	0.8552	0.0045837	0.8356	0.8401	0.8513	0.0046469	-0.0046	-0.00412	-0.0034	0.00036148
50	0.843	0.84973	0.8659	0.0072996	0.8378	0.84451	0.8613	0.0075386	-0.0058	-0.00522	-0.0046	0.00042635
100	0.8417	0.84963	0.8772	0.010955	0.8347	0.84203	0.8693	0.010729	-0.0084	-0.0076	-0.007	0.00050332

Device Test: 6.103; VOL_RESET_10MA_OD



Test Results (Upper Limit = 2.0 (V))

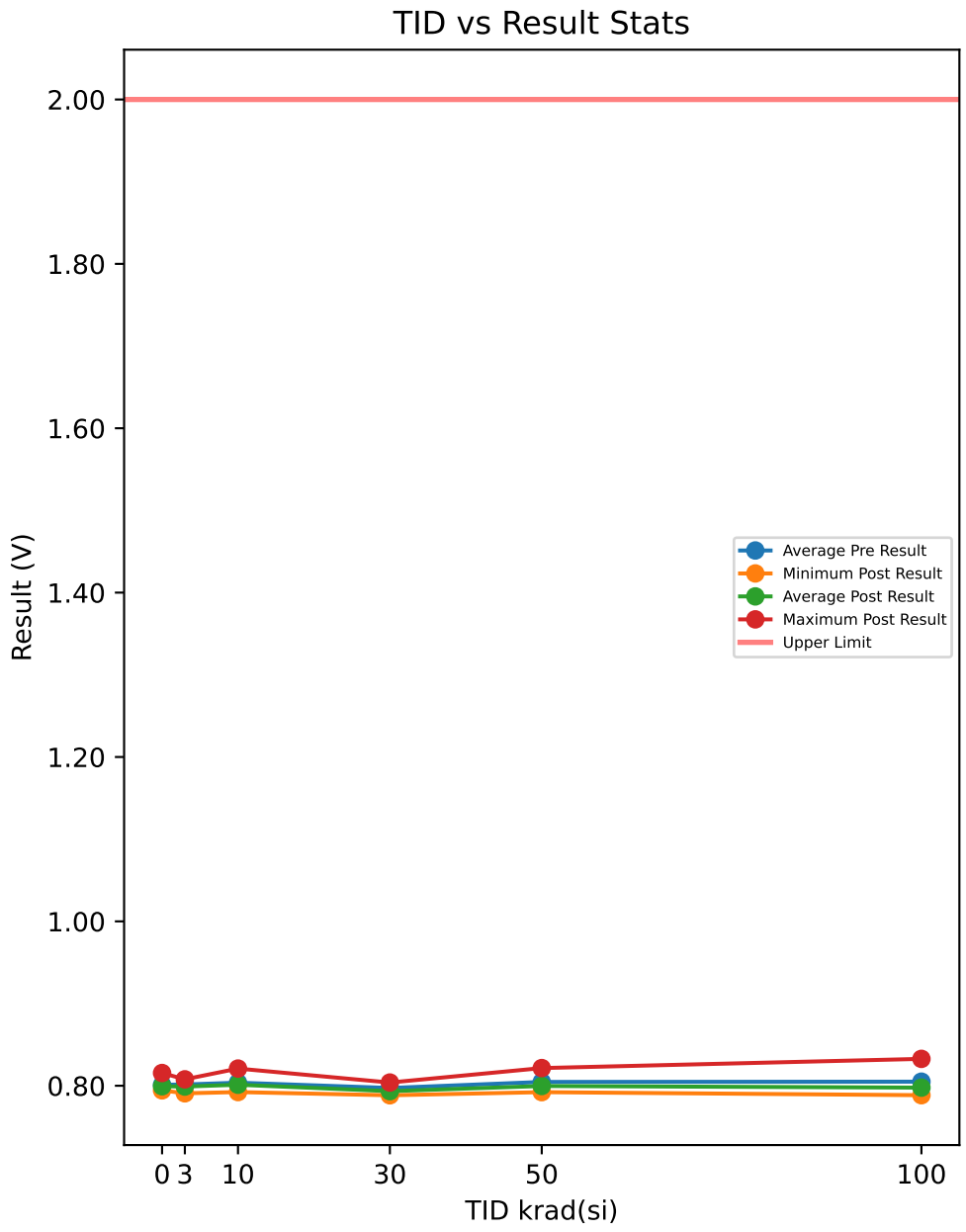
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.8432	0.8395	-0.0037
2	3	Biased	0.852	0.8485	-0.0035
3	3	Biased	0.8528	0.8494	-0.0034
4	3	Biased	0.8498	0.8469	-0.0029
5	3	Biased	0.8405	0.8376	-0.0029
6	3	Unbiased	0.8426	0.8397	-0.0029
7	3	Unbiased	0.8575	0.8549	-0.0026
8	3	Unbiased	0.8402	0.8376	-0.0026
9	3	Unbiased	0.8489	0.8462	-0.0027
10	3	Unbiased	0.8507	0.8479	-0.0028
11	10	Biased	0.8449	0.8416	-0.0033
12	10	Biased	0.8413	0.8382	-0.0031
13	10	Biased	0.8445	0.8416	-0.0029
14	10	Biased	0.841	0.8379	-0.0031
15	10	Biased	0.8458	0.8429	-0.0029
16	10	Unbiased	0.8506	0.8474	-0.0032
17	10	Unbiased	0.8652	0.8622	-0.003
18	10	Unbiased	0.8553	0.8524	-0.0029
19	10	Unbiased	0.8464	0.8437	-0.0027
20	10	Unbiased	0.8542	0.8515	-0.0027
21	30	Biased	0.8418	0.838	-0.0038
22	30	Biased	0.8406	0.8365	-0.0041
23	30	Biased	0.8559	0.8517	-0.0042
24	30	Biased	0.8478	0.8431	-0.0047
25	30	Biased	0.8399	0.8356	-0.0043
26	30	Unbiased	0.8438	0.8394	-0.0044
27	30	Unbiased	0.8415	0.8367	-0.0048
28	30	Unbiased	0.8406	0.8363	-0.0043
29	30	Unbiased	0.845	0.8403	-0.0047
30	30	Unbiased	0.8434	0.8385	-0.0049
31	50	Biased	0.858	0.8527	-0.0053
32	50	Biased	0.8445	0.8395	-0.005
33	50	Biased	0.8424	0.8369	-0.0055
34	50	Biased	0.8687	0.8635	-0.0052
35	50	Biased	0.8552	0.8501	-0.0051
36	50	Unbiased	0.8476	0.8419	-0.0057
37	50	Unbiased	0.8462	0.8402	-0.006
38	50	Unbiased	0.8442	0.8386	-0.0056
39	50	Unbiased	0.8436	0.8377	-0.0059
40	50	Unbiased	0.8466	0.8409	-0.0057
41	100	Biased	0.8429	0.8353	-0.0076
42	100	Biased	0.842	0.834	-0.008
43	100	Biased	0.8458	0.8386	-0.0072
44	100	Biased	0.8508	0.8427	-0.0081
45	100	Biased	0.842	0.8341	-0.0079
46	100	Unbiased	0.8492	0.8404	-0.0088
47	100	Unbiased	0.8768	0.8687	-0.0081
48	100	Unbiased	0.8569	0.8487	-0.0082
49	100	Unbiased	0.8418	0.8345	-0.0073
50	100	Unbiased	0.8452	0.8378	-0.0074
51	0	Correlation	0.8423	0.8403	-0.002
52	0	Correlation	0.8663	0.8643	-0.002
53	0	Correlation	0.8439	0.8418	-0.0021
54	0	Correlation	0.8451	0.8425	-0.0026
55	0	Correlation	0.843	0.8405	-0.0025



Test Statistics (V)

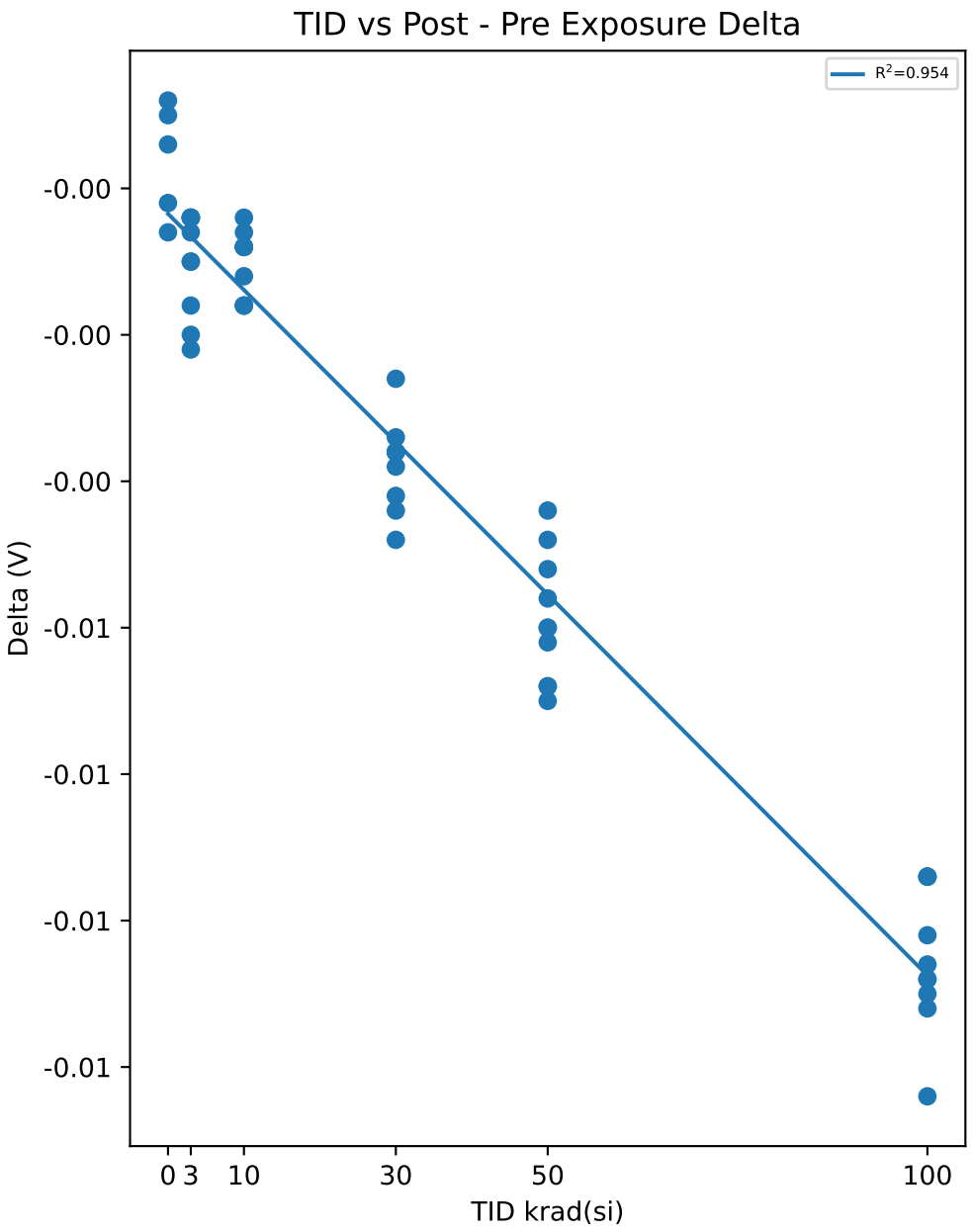
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.8423	0.84812	0.8663	0.010217	0.8403	0.84588	0.8643	0.010337	-0.0026	-0.00224	-0.002	0.0002881
3	0.8402	0.84782	0.8575	0.0058651	0.8376	0.84482	0.8549	0.0058748	-0.0037	-0.003	-0.0026	0.00039158
10	0.841	0.84892	0.8652	0.0075205	0.8379	0.84594	0.8622	0.0075693	-0.0033	-0.00298	-0.0027	0.00019889
30	0.8399	0.84403	0.8559	0.0048127	0.8356	0.83961	0.8517	0.0048059	-0.0049	-0.00442	-0.0038	0.00034897
50	0.8424	0.8497	0.8687	0.0083944	0.8369	0.8442	0.8635	0.0085682	-0.006	-0.0055	-0.005	0.00033993
100	0.8418	0.84934	0.8768	0.010797	0.834	0.84148	0.8687	0.010619	-0.0088	-0.00786	-0.0072	0.00049035

Device Test: 6.104; VOL_WDO_10MA_OD



Test Results (Upper Limit = 2.0 (V))

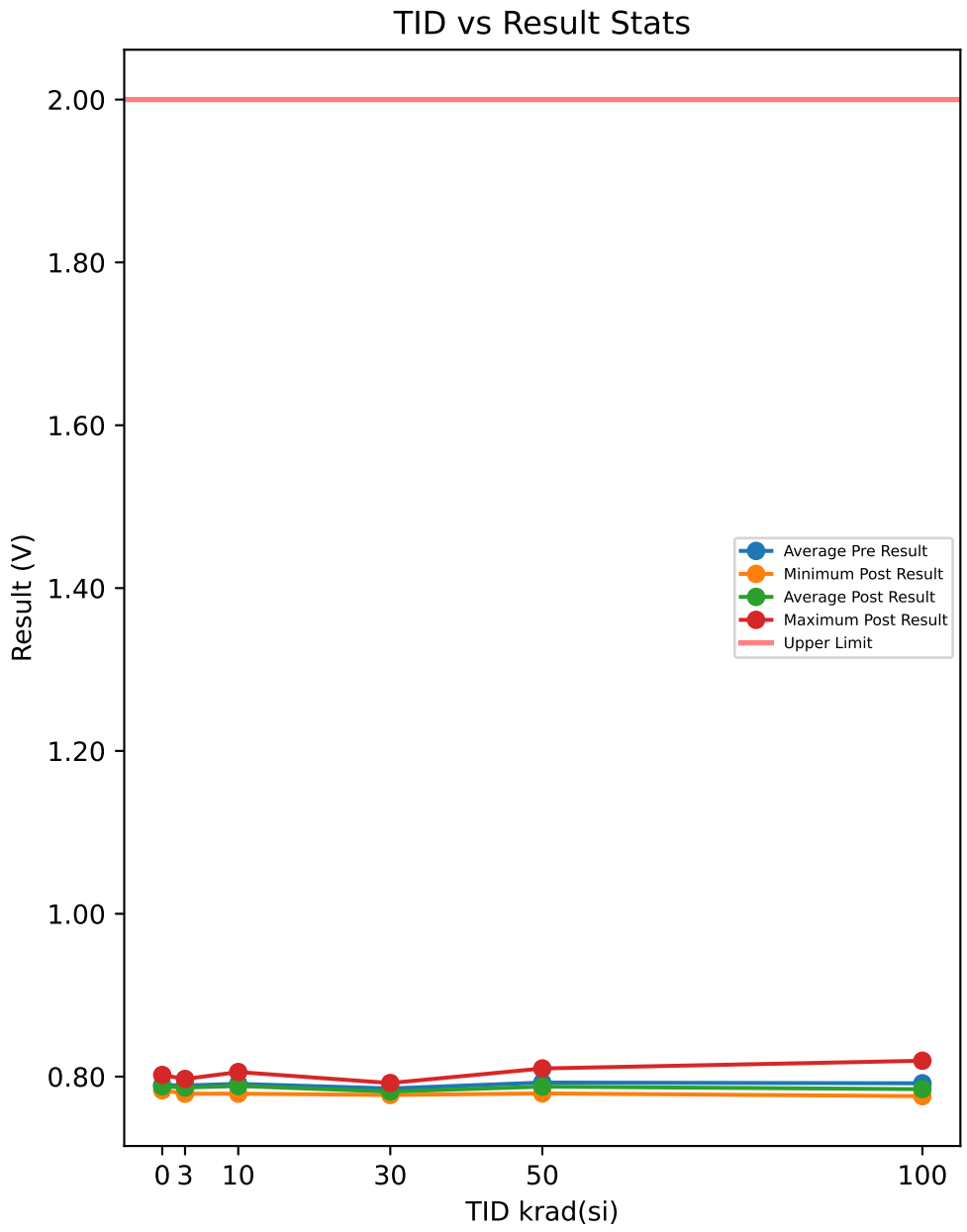
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7952	0.7921	-0.0031
2	3	Biased	0.8035	0.8005	-0.003
3	3	Biased	0.8051	0.8023	-0.0028
4	3	Biased	0.8058	0.8036	-0.0022
5	3	Biased	0.7933	0.7908	-0.0025
6	3	Unbiased	0.7984	0.7959	-0.0025
7	3	Unbiased	0.81	0.8078	-0.0022
8	3	Unbiased	0.7949	0.7927	-0.0022
9	3	Unbiased	0.8012	0.7989	-0.0023
10	3	Unbiased	0.8077	0.8055	-0.0022
11	10	Biased	0.7982	0.7954	-0.0028
12	10	Biased	0.7949	0.7923	-0.0026
13	10	Biased	0.7996	0.7972	-0.0024
14	10	Biased	0.7961	0.7933	-0.0028
15	10	Biased	0.7999	0.7975	-0.0024
16	10	Unbiased	0.809	0.8062	-0.0028
17	10	Unbiased	0.8232	0.8209	-0.0023
18	10	Unbiased	0.8058	0.8034	-0.0024
19	10	Unbiased	0.7996	0.7972	-0.0024
20	10	Unbiased	0.8111	0.8089	-0.0022
21	30	Biased	0.7963	0.793	-0.0033
22	30	Biased	0.7948	0.791	-0.0038
23	30	Biased	0.8077	0.8039	-0.0038
24	30	Biased	0.8012	0.7974	-0.0038
25	30	Biased	0.7921	0.7884	-0.0037
26	30	Unbiased	0.7995	0.7956	-0.0039
27	30	Unbiased	0.7977	0.7936	-0.0041
28	30	Unbiased	0.7923	0.7885	-0.0038
29	30	Unbiased	0.7974	0.793	-0.0044
30	30	Unbiased	0.7937	0.7895	-0.0042
31	50	Biased	0.8176	0.8128	-0.0048
32	50	Biased	0.7982	0.7936	-0.0046
33	50	Biased	0.7988	0.7938	-0.005
34	50	Biased	0.8257	0.8215	-0.0042
35	50	Biased	0.8102	0.8058	-0.0044
36	50	Unbiased	0.8	0.7946	-0.0054
37	50	Unbiased	0.8002	0.7948	-0.0054
38	50	Unbiased	0.7972	0.7922	-0.005
39	50	Unbiased	0.7978	0.7923	-0.0055
40	50	Unbiased	0.8006	0.7955	-0.0051
41	100	Biased	0.7972	0.7901	-0.0071
42	100	Biased	0.7961	0.7886	-0.0075
43	100	Biased	0.8023	0.7956	-0.0067
44	100	Biased	0.8047	0.7973	-0.0074
45	100	Biased	0.797	0.7897	-0.0073
46	100	Unbiased	0.8054	0.7972	-0.0082
47	100	Unbiased	0.8401	0.8327	-0.0074
48	100	Unbiased	0.8125	0.8049	-0.0076
49	100	Unbiased	0.7952	0.7885	-0.0067
50	100	Unbiased	0.7991	0.7924	-0.0067
51	0	Correlation	0.7966	0.7952	-0.0014
52	0	Correlation	0.817	0.8155	-0.0015
53	0	Correlation	0.7961	0.7944	-0.0017
54	0	Correlation	0.7978	0.7955	-0.0023
55	0	Correlation	0.7984	0.7963	-0.0021



Test Statistics (V)

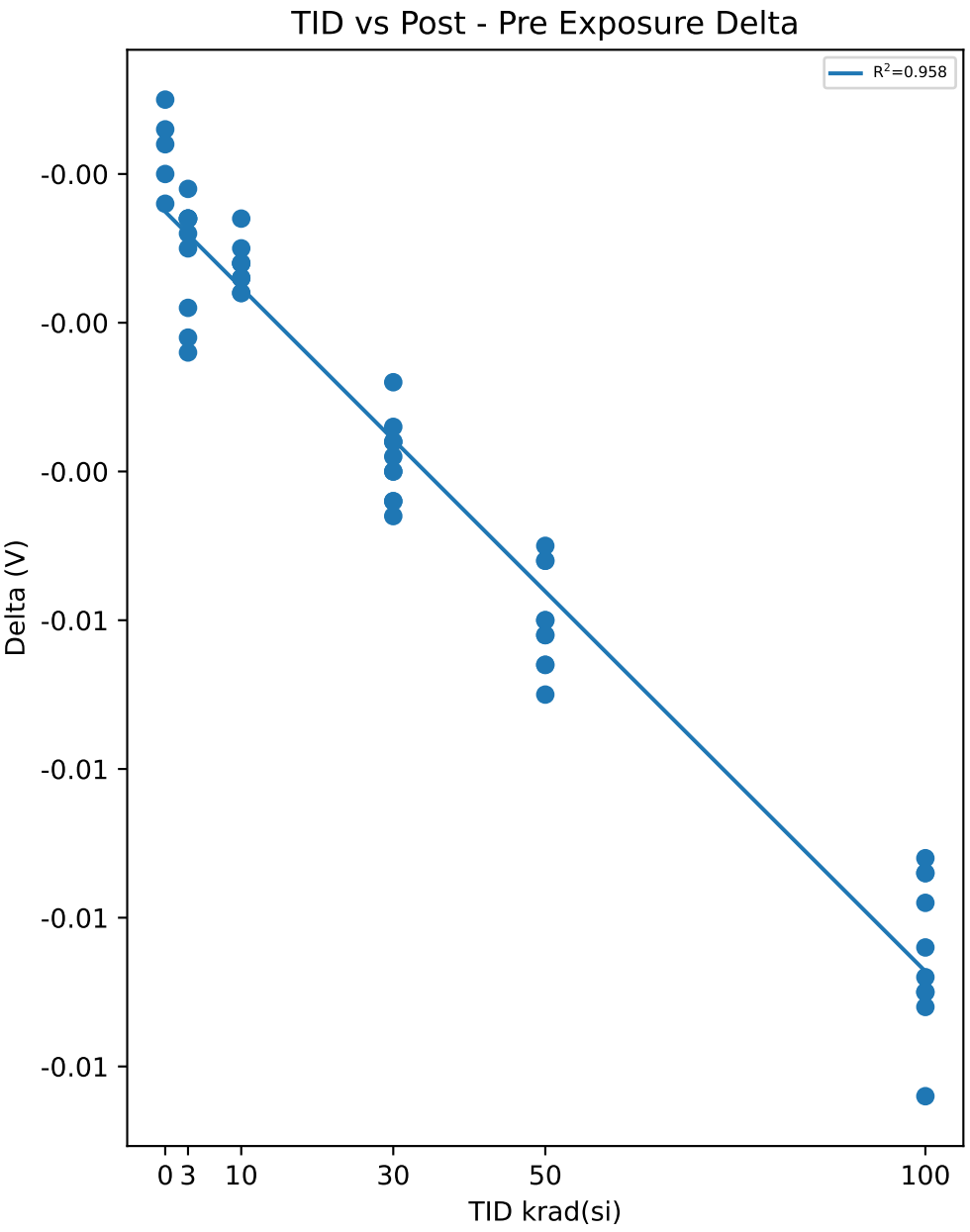
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7961	0.80118	0.817	0.0088911	0.7944	0.79938	0.8155	0.009037	-0.0023	-0.0018	-0.0014	0.0003873
3	0.7933	0.80151	0.81	0.0058341	0.7908	0.79901	0.8078	0.0059456	-0.0031	-0.0025	-0.0022	0.0003496
10	0.7949	0.80374	0.8232	0.0086987	0.7923	0.80123	0.8209	0.0088076	-0.0028	-0.00251	-0.0022	0.00022336
30	0.7921	0.79727	0.8077	0.0047214	0.7884	0.79339	0.8039	0.0047309	-0.0044	-0.00388	-0.0033	0.00030111
50	0.7972	0.80463	0.8257	0.0098752	0.7922	0.79969	0.8215	0.010191	-0.0055	-0.00494	-0.0042	0.0004402
100	0.7952	0.80496	0.8401	0.013461	0.7885	0.7977	0.8327	0.013329	-0.0082	-0.00726	-0.0067	0.00047889

Device Test: 6.105; VOL_PWRGD_10MA_OD



Test Results (Upper Limit = 2.0 (V))

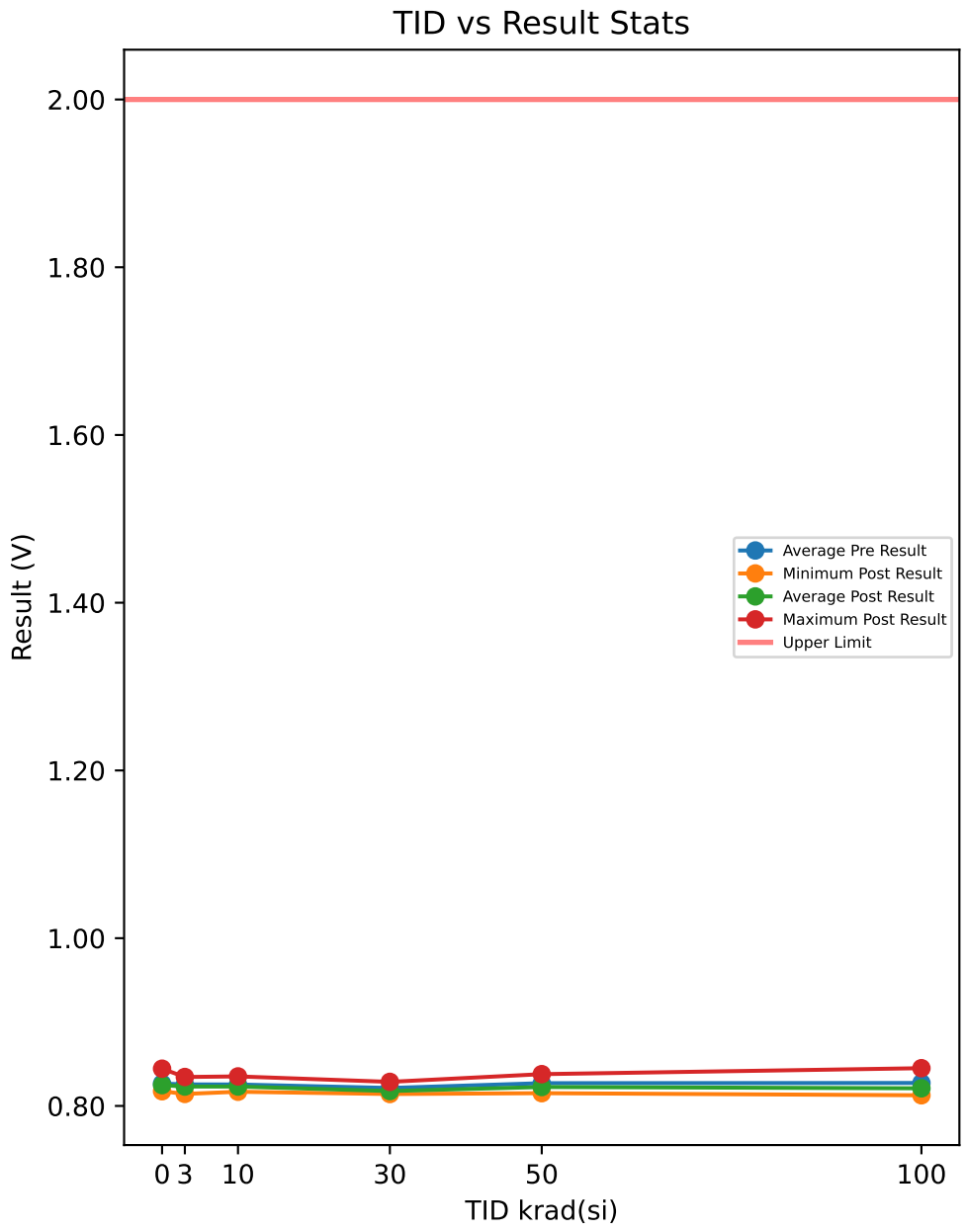
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7822	0.779	-0.0032
2	3	Biased	0.7906	0.7875	-0.0031
3	3	Biased	0.7927	0.7898	-0.0029
4	3	Biased	0.7919	0.7896	-0.0023
5	3	Biased	0.7816	0.7792	-0.0024
6	3	Unbiased	0.7854	0.7829	-0.0025
7	3	Unbiased	0.7994	0.7971	-0.0023
8	3	Unbiased	0.7838	0.7817	-0.0021
9	3	Unbiased	0.7885	0.7862	-0.0023
10	3	Unbiased	0.795	0.7927	-0.0023
11	10	Biased	0.7853	0.7826	-0.0027
12	10	Biased	0.7819	0.7791	-0.0028
13	10	Biased	0.7867	0.7842	-0.0025
14	10	Biased	0.7843	0.7815	-0.0028
15	10	Biased	0.7866	0.784	-0.0026
16	10	Unbiased	0.7947	0.792	-0.0027
17	10	Unbiased	0.8082	0.8056	-0.0026
18	10	Unbiased	0.795	0.7923	-0.0027
19	10	Unbiased	0.7892	0.7866	-0.0026
20	10	Unbiased	0.7992	0.7969	-0.0023
21	30	Biased	0.783	0.7796	-0.0034
22	30	Biased	0.7837	0.78	-0.0037
23	30	Biased	0.796	0.7921	-0.0039
24	30	Biased	0.7901	0.7861	-0.004
25	30	Biased	0.7812	0.7774	-0.0038
26	30	Unbiased	0.7852	0.7812	-0.004
27	30	Unbiased	0.7836	0.7794	-0.0042
28	30	Unbiased	0.7814	0.7776	-0.0038
29	30	Unbiased	0.787	0.7828	-0.0042
30	30	Unbiased	0.7835	0.7792	-0.0043
31	50	Biased	0.8056	0.8006	-0.005
32	50	Biased	0.784	0.7794	-0.0046
33	50	Biased	0.7873	0.7823	-0.005
34	50	Biased	0.8146	0.81	-0.0046
35	50	Biased	0.7973	0.7928	-0.0045
36	50	Unbiased	0.7878	0.7827	-0.0051
37	50	Unbiased	0.7888	0.7835	-0.0053
38	50	Unbiased	0.7858	0.7807	-0.0051
39	50	Unbiased	0.7869	0.7814	-0.0055
40	50	Unbiased	0.789	0.7837	-0.0053
41	100	Biased	0.7848	0.7779	-0.0069
42	100	Biased	0.7834	0.776	-0.0074
43	100	Biased	0.7872	0.7806	-0.0066
44	100	Biased	0.7927	0.7855	-0.0072
45	100	Biased	0.7839	0.7764	-0.0075
46	100	Unbiased	0.7912	0.783	-0.0082
47	100	Unbiased	0.827	0.8195	-0.0075
48	100	Unbiased	0.7988	0.7912	-0.0076
49	100	Unbiased	0.7832	0.7765	-0.0067
50	100	Unbiased	0.7857	0.779	-0.0067
51	0	Correlation	0.7861	0.7846	-0.0015
52	0	Correlation	0.8037	0.802	-0.0017
53	0	Correlation	0.7851	0.7833	-0.0018
54	0	Correlation	0.7871	0.7849	-0.0022
55	0	Correlation	0.7869	0.7849	-0.002



Test Statistics (V)

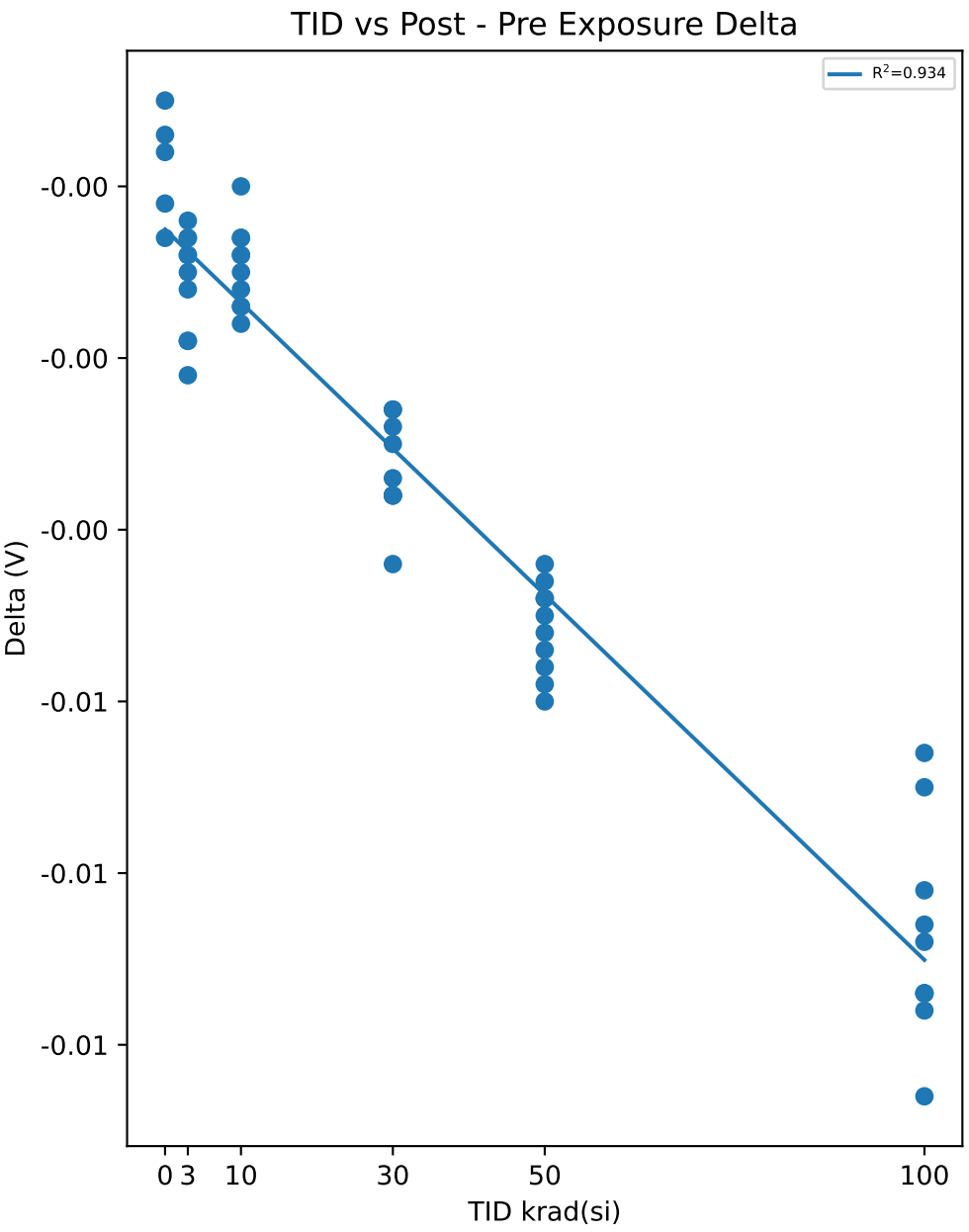
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7851	0.78978	0.8037	0.0078213	0.7833	0.78794	0.802	0.0078875	-0.0022	-0.00184	-0.0015	0.00027019
3	0.7816	0.78911	0.7994	0.0058685	0.779	0.78657	0.7971	0.0059431	-0.0032	-0.00254	-0.0021	0.00038355
10	0.7819	0.79111	0.8082	0.0081236	0.7791	0.78848	0.8056	0.0081933	-0.0028	-0.00263	-0.0023	0.00014944
30	0.7812	0.78547	0.796	0.0045478	0.7774	0.78154	0.7921	0.0045076	-0.0043	-0.00393	-0.0034	0.00027101
50	0.784	0.79271	0.8146	0.010034	0.7794	0.78771	0.81	0.010193	-0.0055	-0.005	-0.0045	0.00033665
100	0.7832	0.79179	0.827	0.013348	0.776	0.78456	0.8195	0.013182	-0.0082	-0.00723	-0.0066	0.00050783

Device Test: 6.106; VOL_RESET_10MA_OD



Test Results (Upper Limit = 2.0 (V))

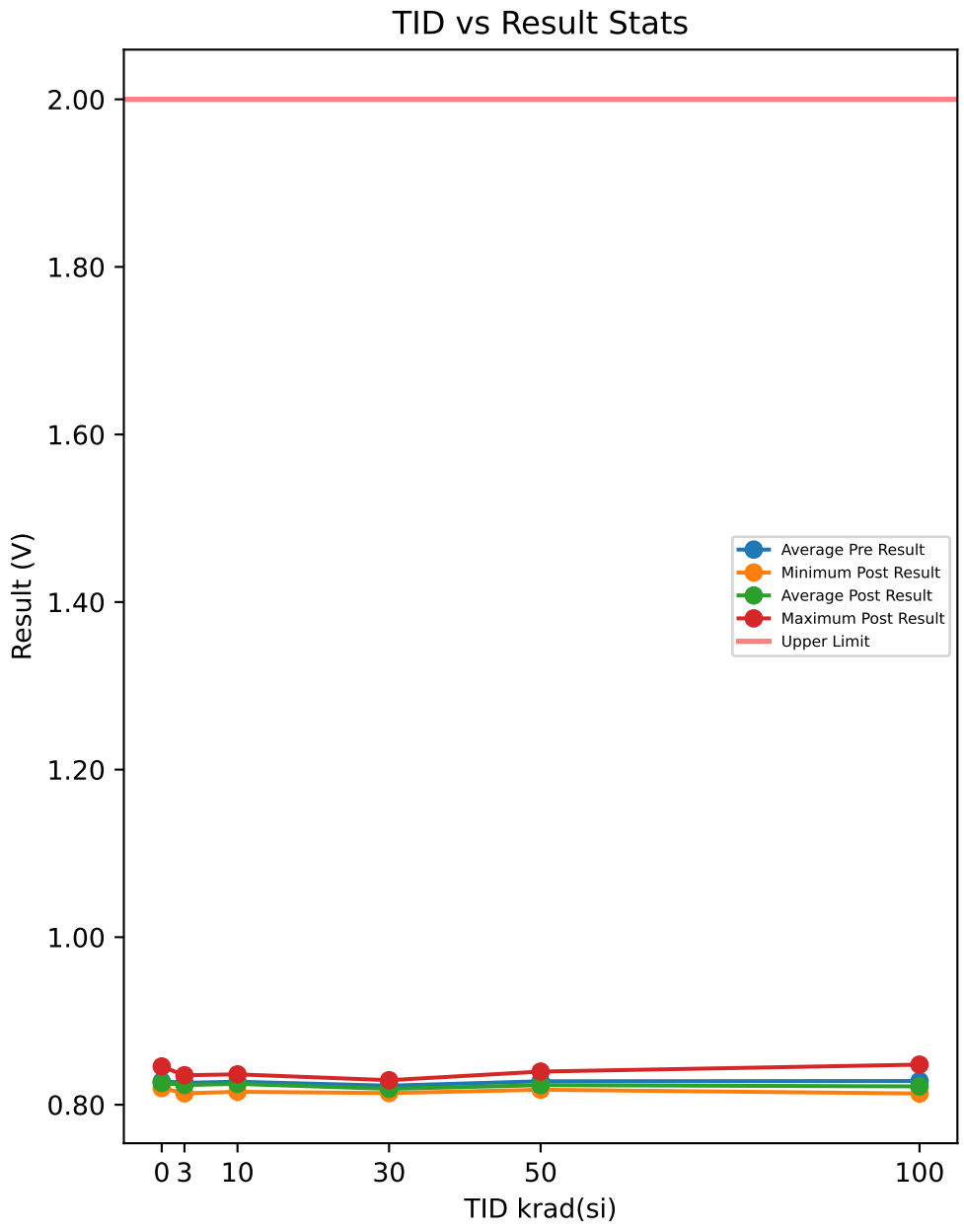
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.8207	0.8178	-0.0029
2	3	Biased	0.8313	0.8282	-0.0031
3	3	Biased	0.8318	0.8289	-0.0029
4	3	Biased	0.8265	0.8239	-0.0026
5	3	Biased	0.8167	0.8143	-0.0024
6	3	Unbiased	0.8207	0.8184	-0.0023
7	3	Unbiased	0.8368	0.8345	-0.0023
8	3	Unbiased	0.8186	0.8164	-0.0022
9	3	Unbiased	0.8265	0.8241	-0.0024
10	3	Unbiased	0.827	0.8245	-0.0025
11	10	Biased	0.8202	0.8176	-0.0026
12	10	Biased	0.8197	0.8169	-0.0028
13	10	Biased	0.8232	0.8207	-0.0025
14	10	Biased	0.8197	0.817	-0.0027
15	10	Biased	0.8231	0.8207	-0.0024
16	10	Unbiased	0.827	0.8243	-0.0027
17	10	Unbiased	0.8376	0.8352	-0.0024
18	10	Unbiased	0.8308	0.8285	-0.0023
19	10	Unbiased	0.823	0.8207	-0.0023
20	10	Unbiased	0.8315	0.8295	-0.002
21	30	Biased	0.8184	0.8151	-0.0033
22	30	Biased	0.8186	0.8149	-0.0037
23	30	Biased	0.8322	0.8287	-0.0035
24	30	Biased	0.8242	0.82	-0.0042
25	30	Biased	0.8183	0.8145	-0.0038
26	30	Unbiased	0.8226	0.8192	-0.0034
27	30	Unbiased	0.8218	0.818	-0.0038
28	30	Unbiased	0.8177	0.8144	-0.0033
29	30	Unbiased	0.8222	0.8184	-0.0038
30	30	Unbiased	0.818	0.8142	-0.0038
31	50	Biased	0.8374	0.8327	-0.0047
32	50	Biased	0.8207	0.8164	-0.0043
33	50	Biased	0.8246	0.8197	-0.0049
34	50	Biased	0.8421	0.8379	-0.0042
35	50	Biased	0.8308	0.8264	-0.0044
36	50	Unbiased	0.8242	0.8196	-0.0046
37	50	Unbiased	0.8239	0.8195	-0.0044
38	50	Unbiased	0.8214	0.8169	-0.0045
39	50	Unbiased	0.8202	0.8152	-0.005
40	50	Unbiased	0.826	0.8212	-0.0048
41	100	Biased	0.8208	0.8147	-0.0061
42	100	Biased	0.8206	0.8142	-0.0064
43	100	Biased	0.8264	0.8201	-0.0063
44	100	Biased	0.8273	0.8206	-0.0067
45	100	Biased	0.8212	0.8145	-0.0067
46	100	Unbiased	0.8311	0.8238	-0.0073
47	100	Unbiased	0.8517	0.845	-0.0067
48	100	Unbiased	0.835	0.8282	-0.0068
49	100	Unbiased	0.8182	0.8127	-0.0055
50	100	Unbiased	0.8217	0.8164	-0.0053
51	0	Correlation	0.8209	0.8194	-0.0015
52	0	Correlation	0.8461	0.8444	-0.0017
53	0	Correlation	0.8243	0.8225	-0.0018
54	0	Correlation	0.8198	0.8175	-0.0023
55	0	Correlation	0.8223	0.8202	-0.0021

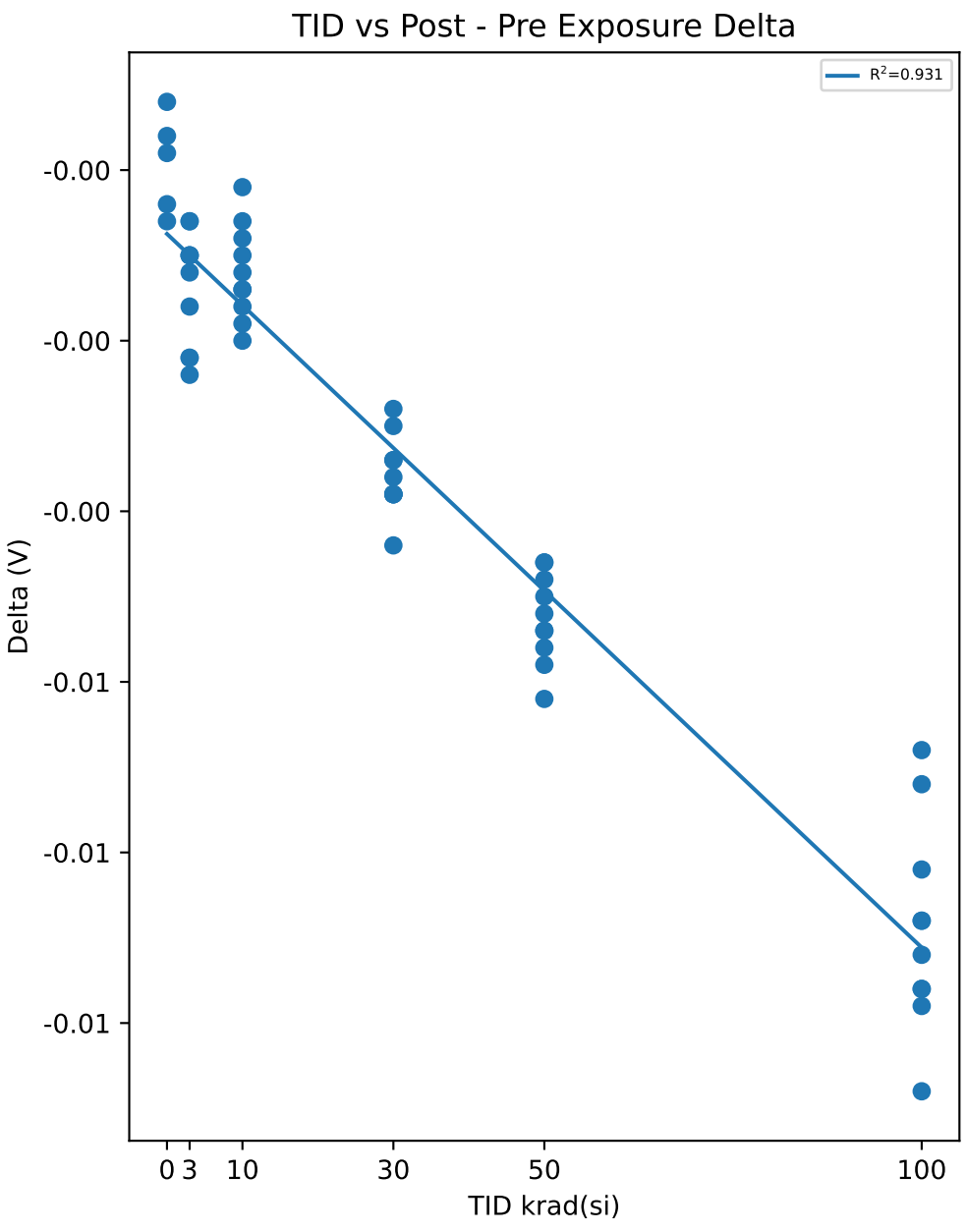


Test Statistics (V)

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	0.8198	0.82668	0.8461	0.010986	0.8175	0.8248	0.8444	0.011102	-0.0023	-0.00188	-0.0015	0.00031937
3	0.8167	0.82566	0.8368	0.0064648	0.8143	0.8231	0.8345	0.0063746	-0.0031	-0.00256	-0.0022	0.00030623
10	0.8197	0.82558	0.8376	0.0060125	0.8169	0.82311	0.8352	0.0061567	-0.0028	-0.00247	-0.002	0.0002406
30	0.8177	0.8214	0.8322	0.0044525	0.8142	0.81774	0.8287	0.0044358	-0.0042	-0.00366	-0.0033	0.00028363
50	0.8202	0.82713	0.8421	0.0073932	0.8152	0.82255	0.8379	0.0074921	-0.005	-0.00458	-0.0042	0.00026583
100	0.8182	0.8274	0.8517	0.010046	0.8127	0.82102	0.845	0.0097461	-0.0073	-0.00638	-0.0053	0.00061065

Device Test: 6.107; VOL_RESET_10MA_OD





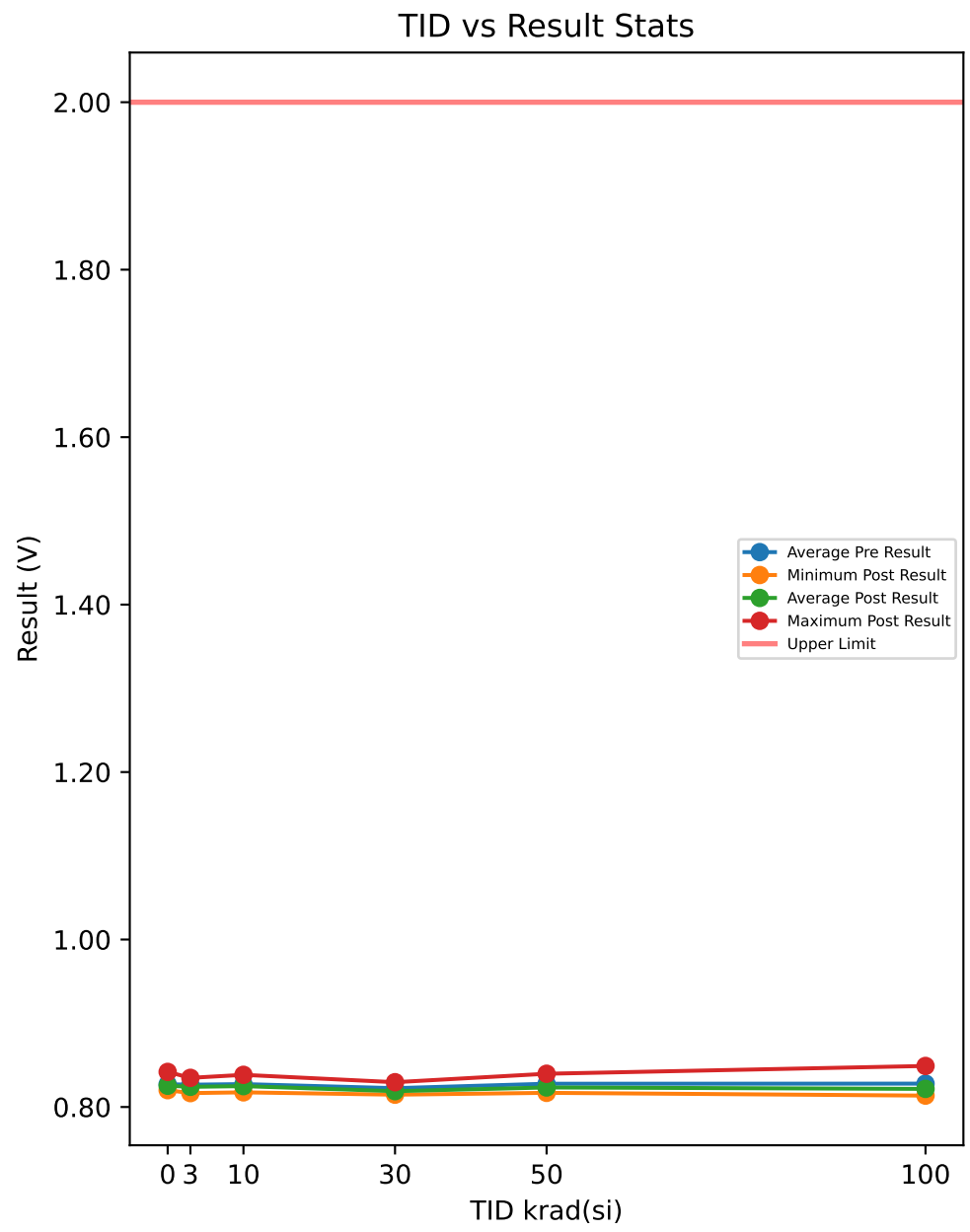
Test Results (Upper Limit = 2.0 (V))

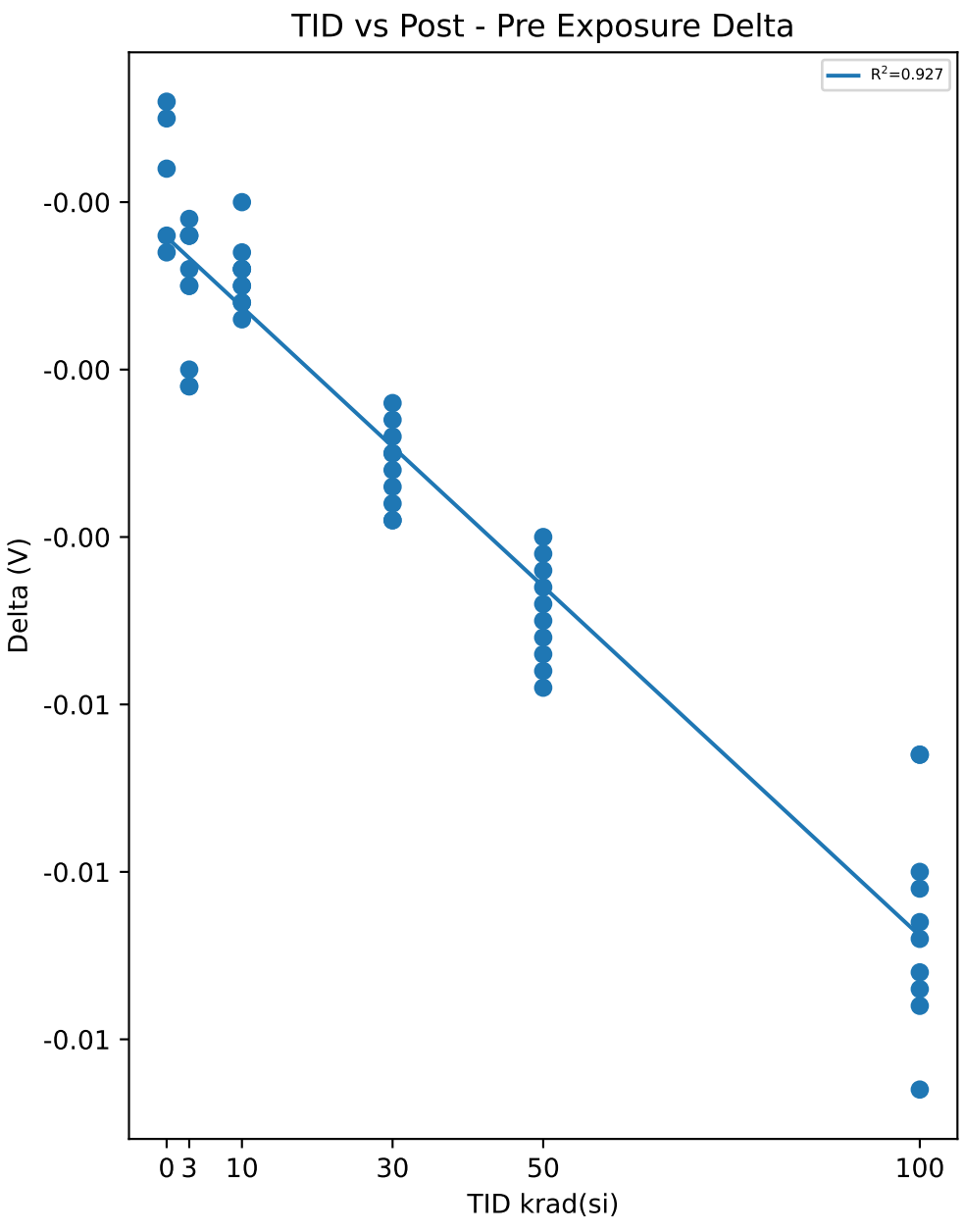
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.8199	0.8168	-0.0031
2	3	Biased	0.8278	0.8246	-0.0032
3	3	Biased	0.8334	0.8303	-0.0031
4	3	Biased	0.8299	0.8271	-0.0028
5	3	Biased	0.8161	0.8136	-0.0025
6	3	Unbiased	0.8224	0.8199	-0.0025
7	3	Unbiased	0.8377	0.8352	-0.0025
8	3	Unbiased	0.8219	0.8196	-0.0023
9	3	Unbiased	0.8241	0.8218	-0.0023
10	3	Unbiased	0.8291	0.8265	-0.0026
11	10	Biased	0.8223	0.8196	-0.0027
12	10	Biased	0.8184	0.8155	-0.0029
13	10	Biased	0.8273	0.8247	-0.0026
14	10	Biased	0.8219	0.8189	-0.003
15	10	Biased	0.8254	0.8227	-0.0027
16	10	Unbiased	0.8293	0.8265	-0.0028
17	10	Unbiased	0.8388	0.8363	-0.0025
18	10	Unbiased	0.8336	0.8312	-0.0024
19	10	Unbiased	0.8251	0.8228	-0.0023
20	10	Unbiased	0.8328	0.8307	-0.0021
21	30	Biased	0.8198	0.8164	-0.0034
22	30	Biased	0.8211	0.8173	-0.0038
23	30	Biased	0.833	0.8293	-0.0037
24	30	Biased	0.8273	0.8231	-0.0042
25	30	Biased	0.8178	0.8139	-0.0039
26	30	Unbiased	0.8237	0.82	-0.0037
27	30	Unbiased	0.8233	0.8194	-0.0039
28	30	Unbiased	0.8201	0.8166	-0.0035
29	30	Unbiased	0.822	0.8181	-0.0039
30	30	Unbiased	0.8191	0.8152	-0.0039
31	50	Biased	0.836	0.8312	-0.0048
32	50	Biased	0.8239	0.8195	-0.0044
33	50	Biased	0.8238	0.8189	-0.0049
34	50	Biased	0.8439	0.8396	-0.0043
35	50	Biased	0.8323	0.828	-0.0043
36	50	Unbiased	0.8262	0.8215	-0.0047
37	50	Unbiased	0.8242	0.8196	-0.0046
38	50	Unbiased	0.8224	0.8179	-0.0045
39	50	Unbiased	0.8234	0.8183	-0.0051
40	50	Unbiased	0.8242	0.8195	-0.0047
41	100	Biased	0.8206	0.8145	-0.0061
42	100	Biased	0.8223	0.8159	-0.0064
43	100	Biased	0.8256	0.8192	-0.0064
44	100	Biased	0.8299	0.8231	-0.0068
45	100	Biased	0.8222	0.8156	-0.0066
46	100	Unbiased	0.8305	0.8231	-0.0074
47	100	Unbiased	0.8548	0.8479	-0.0069
48	100	Unbiased	0.8371	0.8303	-0.0068
49	100	Unbiased	0.819	0.8134	-0.0056
50	100	Unbiased	0.8213	0.8159	-0.0054
51	0	Correlation	0.8228	0.8212	-0.0016
52	0	Correlation	0.8475	0.8457	-0.0018
53	0	Correlation	0.8225	0.8206	-0.0019
54	0	Correlation	0.8244	0.8221	-0.0023
55	0	Correlation	0.8221	0.8199	-0.0022

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	0.8221	0.82786	0.8475	0.011014	0.8199	0.8259	0.8457	0.011098	-0.0023	-0.00196	-0.0016	0.0002881
3	0.8161	0.82623	0.8377	0.0065641	0.8136	0.82354	0.8352	0.0064999	-0.0032	-0.00269	-0.0023	0.00033813
10	0.8184	0.82749	0.8388	0.0062151	0.8155	0.82489	0.8363	0.0063909	-0.003	-0.0026	-0.0021	0.00027889
30	0.8178	0.82272	0.833	0.004519	0.8139	0.81893	0.8293	0.0044806	-0.0042	-0.00379	-0.0034	0.00022828
50	0.8224	0.82803	0.8439	0.0071054	0.8179	0.8234	0.8396	0.007222	-0.0051	-0.00463	-0.0043	0.00026268
100	0.819	0.82833	0.8548	0.010865	0.8134	0.82189	0.8479	0.010517	-0.0074	-0.00644	-0.0054	0.00060773

Device Test: 6.108; VOL_RESET_10MA_OD





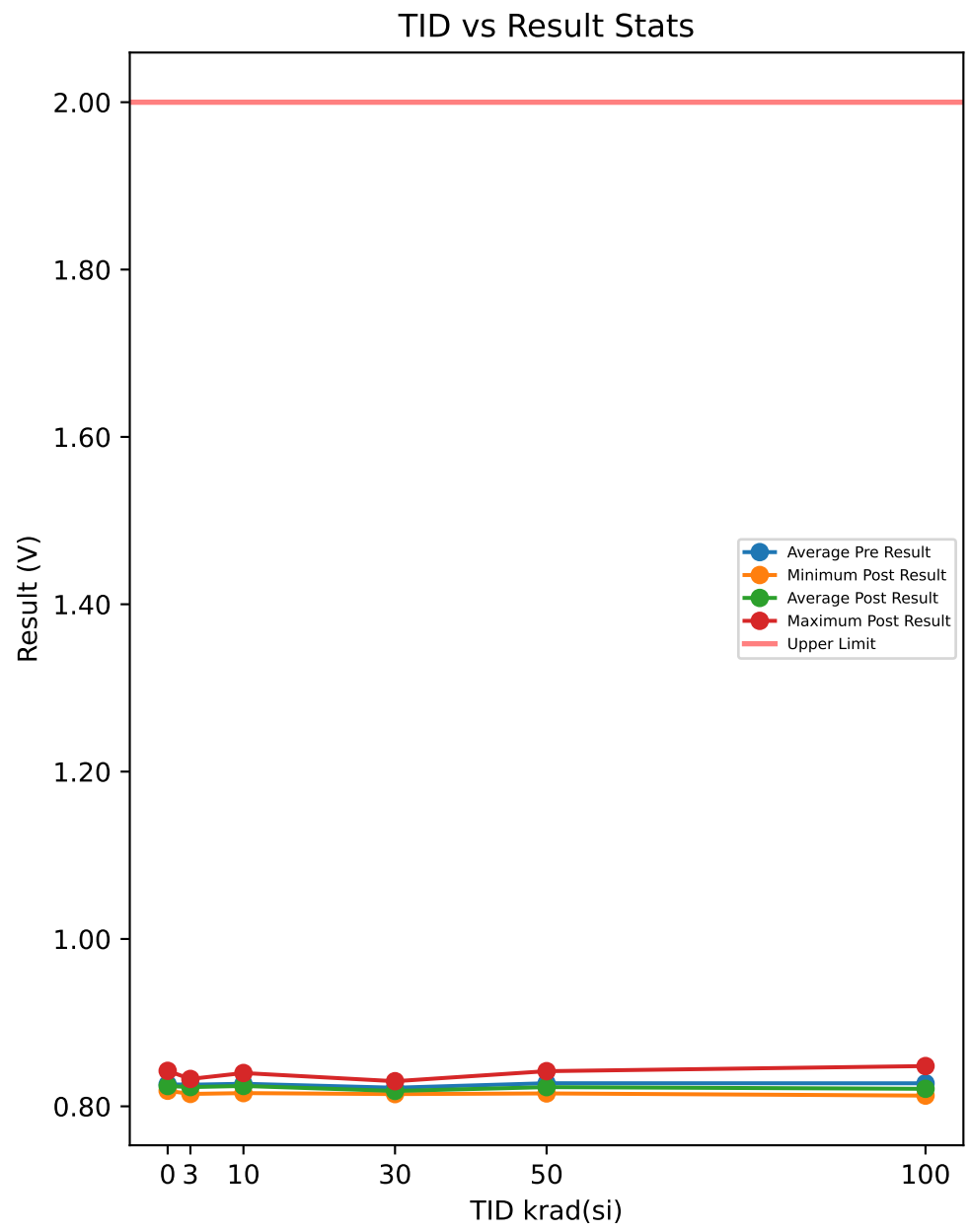
Test Results (Upper Limit = 2.0 (V))

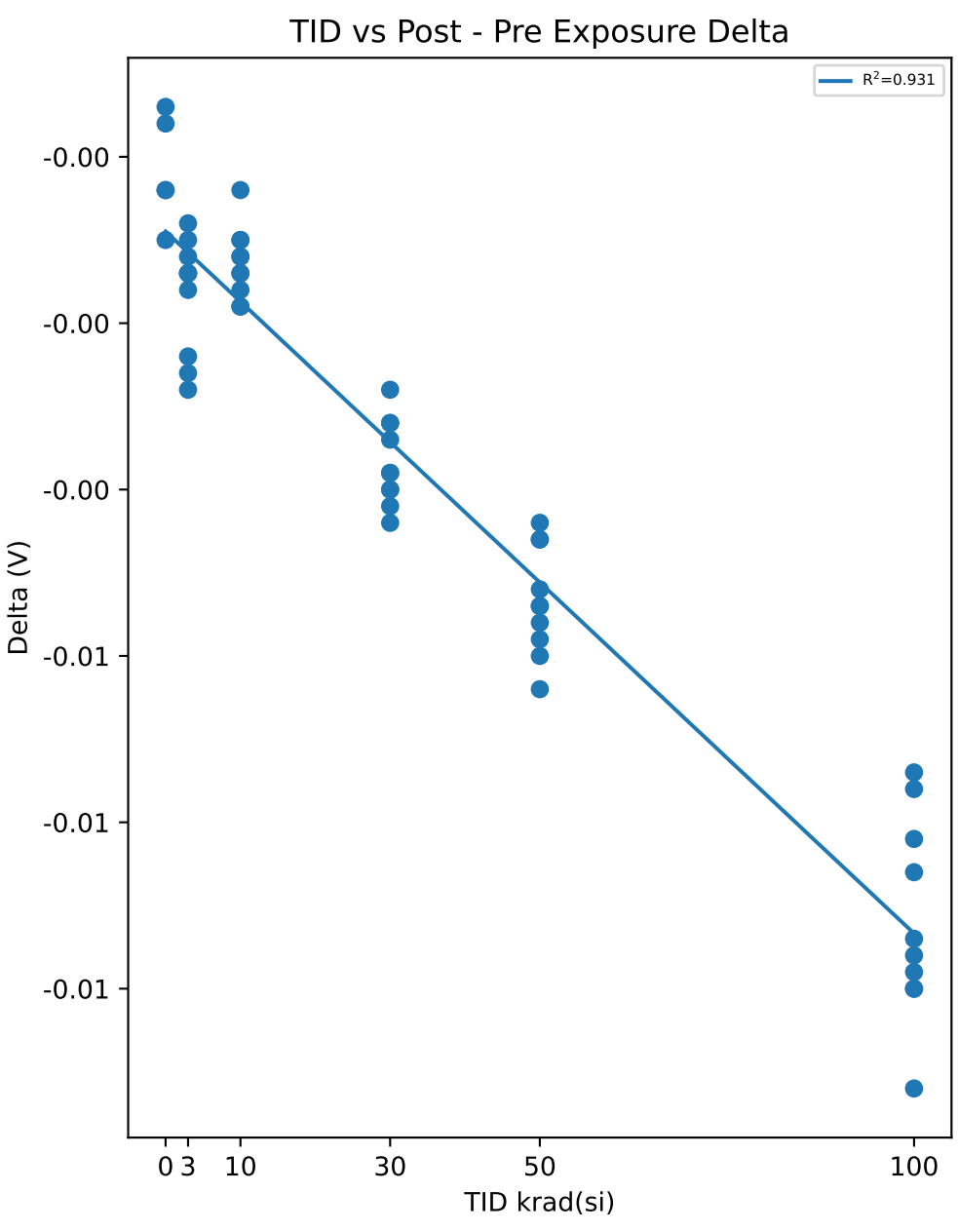
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.8197	0.8166	-0.0031
2	3	Biased	0.8272	0.8241	-0.0031
3	3	Biased	0.8331	0.8301	-0.003
4	3	Biased	0.8279	0.8254	-0.0025
5	3	Biased	0.8206	0.8184	-0.0022
6	3	Unbiased	0.8247	0.8225	-0.0022
7	3	Unbiased	0.837	0.8348	-0.0022
8	3	Unbiased	0.8187	0.8166	-0.0021
9	3	Unbiased	0.8287	0.8263	-0.0024
10	3	Unbiased	0.8285	0.826	-0.0025
11	10	Biased	0.8201	0.8175	-0.0026
12	10	Biased	0.8202	0.8177	-0.0025
13	10	Biased	0.8266	0.8241	-0.0025
14	10	Biased	0.8209	0.8183	-0.0026
15	10	Biased	0.8251	0.8227	-0.0024
16	10	Unbiased	0.8279	0.8252	-0.0027
17	10	Unbiased	0.8408	0.8384	-0.0024
18	10	Unbiased	0.8327	0.8303	-0.0024
19	10	Unbiased	0.8248	0.8225	-0.0023
20	10	Unbiased	0.8344	0.8324	-0.002
21	30	Biased	0.822	0.8188	-0.0032
22	30	Biased	0.8209	0.8174	-0.0035
23	30	Biased	0.8332	0.8296	-0.0036
24	30	Biased	0.827	0.8231	-0.0039
25	30	Biased	0.8182	0.8147	-0.0035
26	30	Unbiased	0.822	0.8186	-0.0034
27	30	Unbiased	0.8203	0.8164	-0.0039
28	30	Unbiased	0.8186	0.8153	-0.0033
29	30	Unbiased	0.8218	0.8181	-0.0037
30	30	Unbiased	0.8207	0.8169	-0.0038
31	50	Biased	0.8365	0.8321	-0.0044
32	50	Biased	0.8227	0.8186	-0.0041
33	50	Biased	0.8224	0.8178	-0.0046
34	50	Biased	0.8437	0.8397	-0.004
35	50	Biased	0.8312	0.827	-0.0042
36	50	Unbiased	0.8259	0.8212	-0.0047
37	50	Unbiased	0.8243	0.8198	-0.0045
38	50	Unbiased	0.8212	0.8169	-0.0043
39	50	Unbiased	0.8257	0.8208	-0.0049
40	50	Unbiased	0.8241	0.8193	-0.0048
41	100	Biased	0.8196	0.8136	-0.006
42	100	Biased	0.822	0.8157	-0.0063
43	100	Biased	0.826	0.8199	-0.0061
44	100	Biased	0.8287	0.8221	-0.0066
45	100	Biased	0.822	0.8156	-0.0064
46	100	Unbiased	0.8295	0.8222	-0.0073
47	100	Unbiased	0.8557	0.849	-0.0067
48	100	Unbiased	0.8361	0.8293	-0.0068
49	100	Unbiased	0.82	0.8147	-0.0053
50	100	Unbiased	0.8194	0.8141	-0.0053
51	0	Correlation	0.8221	0.8207	-0.0014
52	0	Correlation	0.8434	0.8419	-0.0015
53	0	Correlation	0.8248	0.823	-0.0018
54	0	Correlation	0.8236	0.8213	-0.0023
55	0	Correlation	0.8223	0.8201	-0.0022

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	0.8221	0.82724	0.8434	0.0090991	0.8201	0.8254	0.8419	0.0092871	-0.0023	-0.00184	-0.0014	0.00040373
3	0.8187	0.82661	0.837	0.00587	0.8166	0.82408	0.8348	0.0058516	-0.0031	-0.00253	-0.0021	0.00039455
10	0.8201	0.82735	0.8408	0.0068064	0.8175	0.82491	0.8384	0.0069053	-0.0027	-0.00244	-0.002	0.00019551
30	0.8182	0.82247	0.8332	0.0044729	0.8147	0.81889	0.8296	0.0044218	-0.0039	-0.00358	-0.0032	0.00024404
50	0.8212	0.82777	0.8437	0.0072475	0.8169	0.82332	0.8397	0.0073959	-0.0049	-0.00445	-0.004	0.00030277
100	0.8194	0.8279	0.8557	0.011156	0.8136	0.82162	0.849	0.010813	-0.0073	-0.00628	-0.0053	0.00063561

Device Test: 6.109; VOL_RESET_10MA_OD





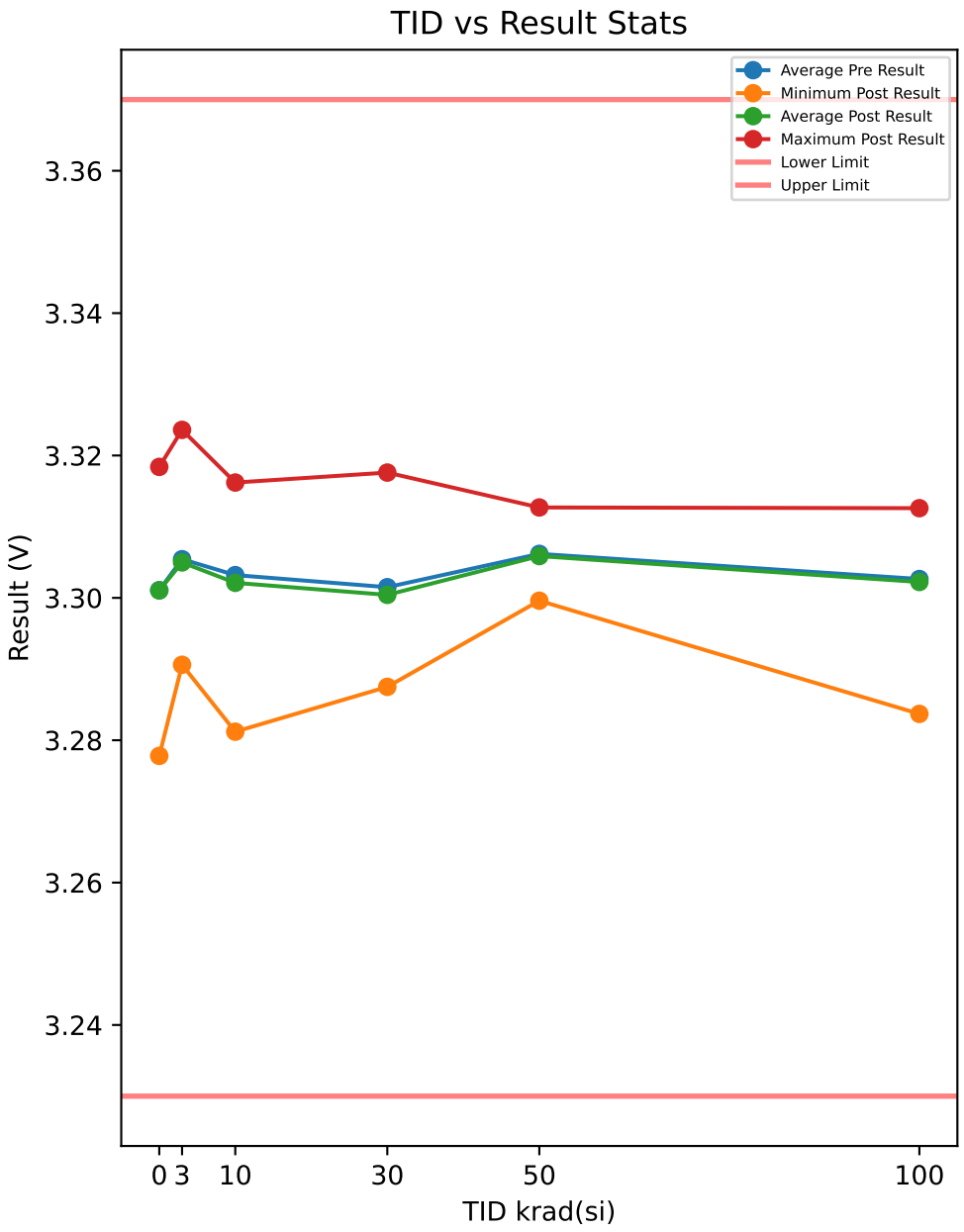
Test Results (Upper Limit = 2.0 (V))

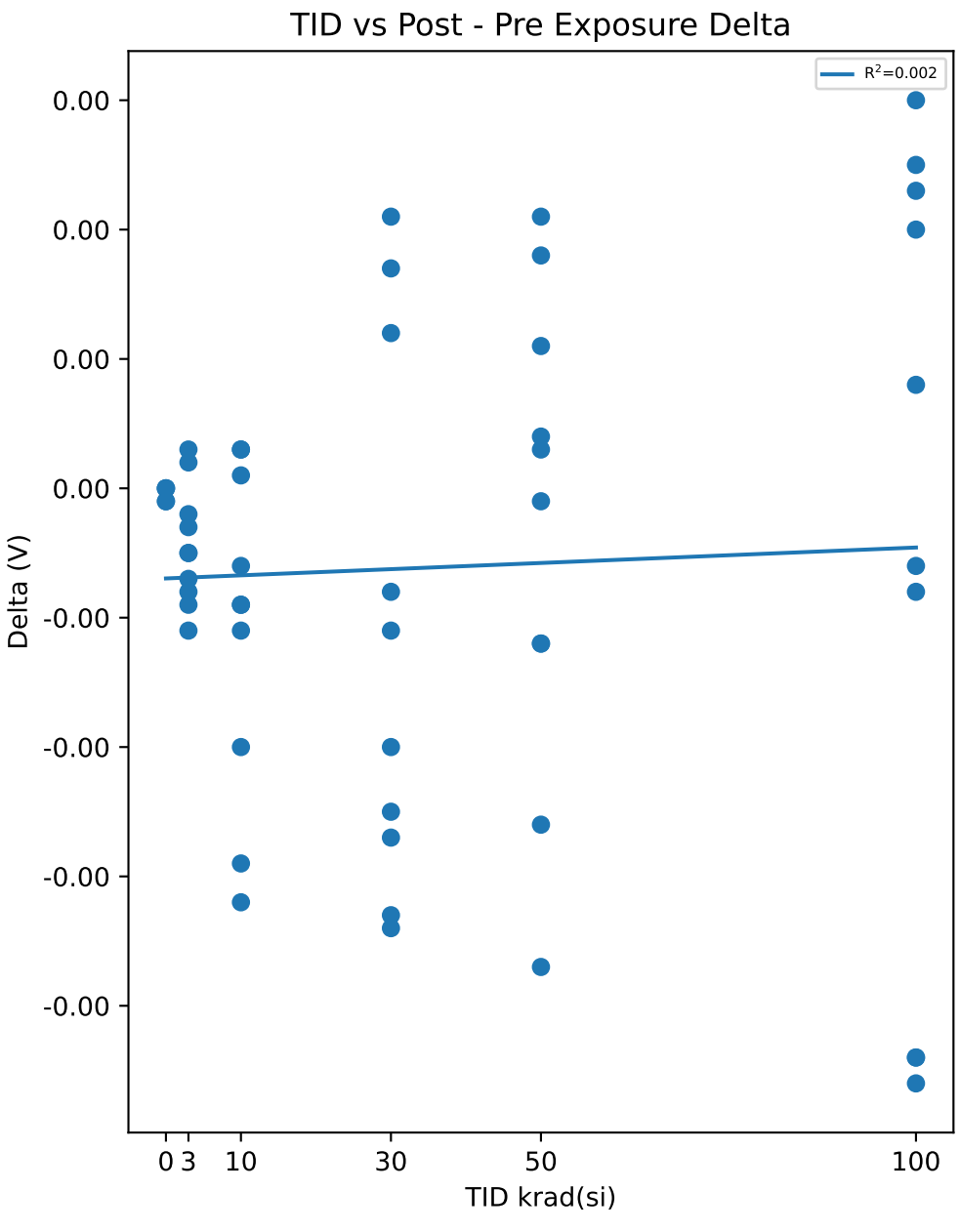
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.8218	0.8184	-0.0034
2	3	Biased	0.8291	0.8258	-0.0033
3	3	Biased	0.8314	0.8282	-0.0032
4	3	Biased	0.828	0.8253	-0.0027
5	3	Biased	0.8176	0.8148	-0.0028
6	3	Unbiased	0.8204	0.8178	-0.0026
7	3	Unbiased	0.8352	0.8327	-0.0025
8	3	Unbiased	0.8179	0.8155	-0.0024
9	3	Unbiased	0.8277	0.825	-0.0027
10	3	Unbiased	0.829	0.8263	-0.0027
11	10	Biased	0.8228	0.8201	-0.0027
12	10	Biased	0.8195	0.8166	-0.0029
13	10	Biased	0.8224	0.8198	-0.0026
14	10	Biased	0.8186	0.8158	-0.0028
15	10	Biased	0.824	0.8213	-0.0027
16	10	Unbiased	0.8279	0.825	-0.0029
17	10	Unbiased	0.8424	0.8398	-0.0026
18	10	Unbiased	0.8334	0.8309	-0.0025
19	10	Unbiased	0.825	0.8225	-0.0025
20	10	Unbiased	0.8335	0.8313	-0.0022
21	30	Biased	0.8194	0.816	-0.0034
22	30	Biased	0.819	0.8151	-0.0039
23	30	Biased	0.8336	0.83	-0.0036
24	30	Biased	0.8266	0.8224	-0.0042
25	30	Biased	0.8185	0.8146	-0.0039
26	30	Unbiased	0.822	0.8183	-0.0037
27	30	Unbiased	0.8197	0.8157	-0.004
28	30	Unbiased	0.8195	0.8159	-0.0036
29	30	Unbiased	0.8222	0.8181	-0.0041
30	30	Unbiased	0.8216	0.8176	-0.004
31	50	Biased	0.8358	0.8312	-0.0046
32	50	Biased	0.822	0.8177	-0.0043
33	50	Biased	0.8203	0.8154	-0.0049
34	50	Biased	0.8463	0.842	-0.0043
35	50	Biased	0.8333	0.8291	-0.0042
36	50	Unbiased	0.8258	0.821	-0.0048
37	50	Unbiased	0.8236	0.8189	-0.0047
38	50	Unbiased	0.8223	0.8176	-0.0047
39	50	Unbiased	0.8215	0.8163	-0.0052
40	50	Unbiased	0.825	0.82	-0.005
41	100	Biased	0.8203	0.8142	-0.0061
42	100	Biased	0.8211	0.8144	-0.0067
43	100	Biased	0.8247	0.8184	-0.0063
44	100	Biased	0.8288	0.8219	-0.0069
45	100	Biased	0.8196	0.8128	-0.0068
46	100	Unbiased	0.8277	0.8201	-0.0076
47	100	Unbiased	0.8551	0.8481	-0.007
48	100	Unbiased	0.8354	0.8284	-0.007
49	100	Unbiased	0.8196	0.8138	-0.0058
50	100	Unbiased	0.8228	0.8171	-0.0057
51	0	Correlation	0.8207	0.819	-0.0017
52	0	Correlation	0.8442	0.8424	-0.0018
53	0	Correlation	0.8237	0.8215	-0.0022
54	0	Correlation	0.8222	0.8197	-0.0025
55	0	Correlation	0.8208	0.8186	-0.0022

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	0.8207	0.82632	0.8442	0.01007	0.8186	0.82424	0.8424	0.010212	-0.0025	-0.00208	-0.0017	0.00032711
3	0.8176	0.82581	0.8352	0.006001	0.8148	0.82298	0.8327	0.0059706	-0.0034	-0.00283	-0.0024	0.00034657
10	0.8186	0.82695	0.8424	0.0074518	0.8158	0.82431	0.8398	0.0075643	-0.0029	-0.00264	-0.0022	0.00021187
30	0.8185	0.82221	0.8336	0.0046551	0.8146	0.81837	0.83	0.0046657	-0.0042	-0.00384	-0.0034	0.00025473
50	0.8203	0.82759	0.8463	0.0083358	0.8154	0.82292	0.842	0.0085316	-0.0052	-0.00467	-0.0042	0.00032677
100	0.8196	0.82751	0.8551	0.010921	0.8128	0.82092	0.8481	0.010654	-0.0076	-0.00659	-0.0057	0.00060083

Device Test: 6.11; VLDO_REG





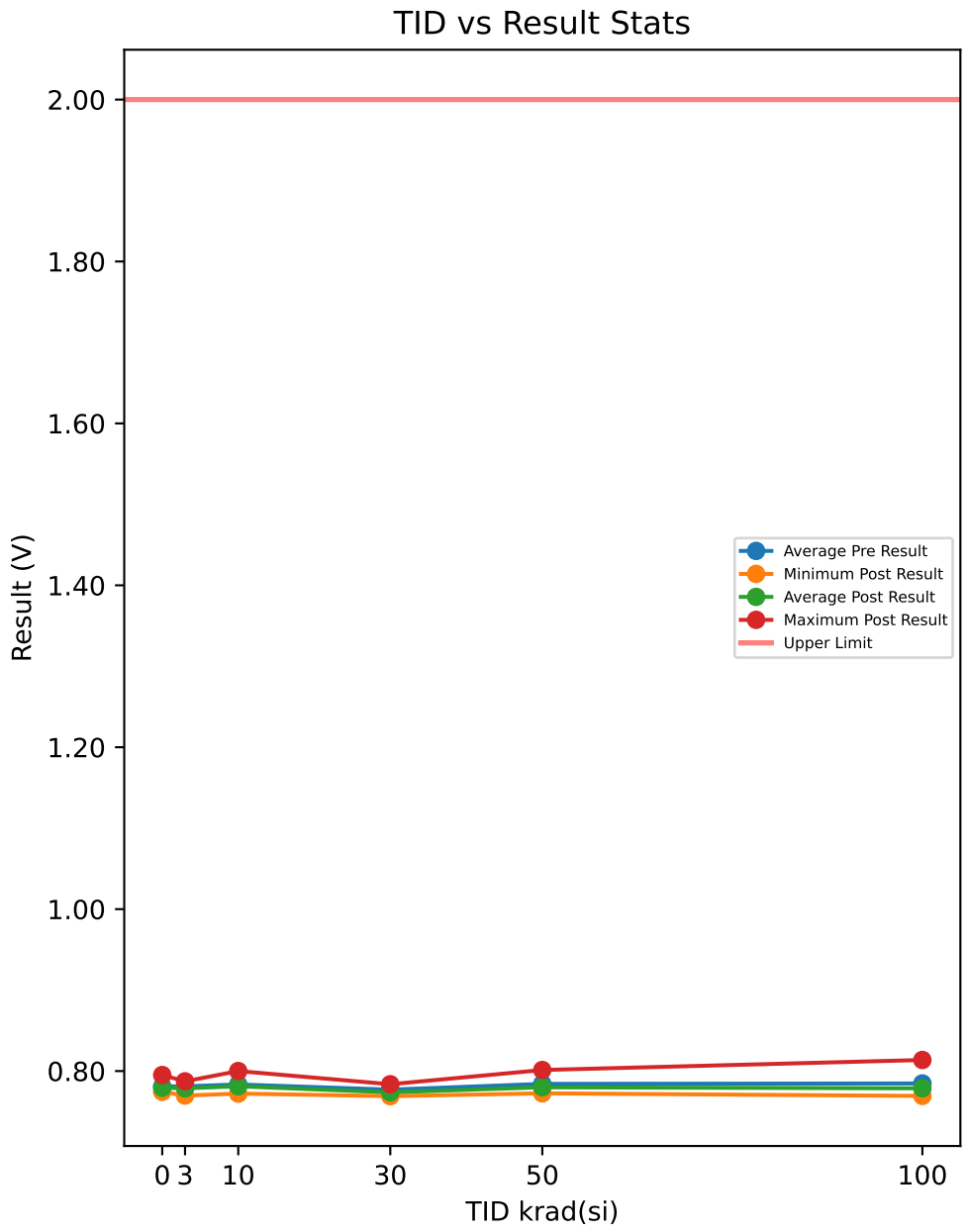
Test Results (Lower Limit = 3.23, Upper Limit = 3.37 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	3.2917	3.2906	-0.0011
2	3	Biased	3.3241	3.3236	-0.0005
3	3	Biased	3.2958	3.295	-0.0008
4	3	Biased	3.3025	3.3027	0.0002
5	3	Biased	3.3176	3.3167	-0.0009
6	3	Unbiased	3.3069	3.3062	-0.0007
7	3	Unbiased	3.3114	3.3111	-0.0003
8	3	Unbiased	3.3098	3.3101	0.0003
9	3	Unbiased	3.2946	3.2944	-0.0002
10	3	Unbiased	3.2999	3.2994	-0.0005
11	10	Biased	3.3027	3.2995	-0.0032
12	10	Biased	3.3024	3.3027	0.0003
13	10	Biased	3.3031	3.302	-0.0011
14	10	Biased	3.3107	3.3098	-0.0009
15	10	Biased	3.2994	3.2985	-0.0009
16	10	Unbiased	3.3152	3.3153	0.0001
17	10	Unbiased	3.3168	3.3162	-0.0006
18	10	Unbiased	3.3034	3.3014	-0.002
19	10	Unbiased	3.2942	3.2945	0.0003
20	10	Unbiased	3.2841	3.2812	-0.0029
21	30	Biased	3.3088	3.3109	0.0021
22	30	Biased	3.3015	3.3007	-0.0008
23	30	Biased	3.3104	3.307	-0.0034
24	30	Biased	3.2896	3.2913	0.0017
25	30	Biased	3.2934	3.2946	0.0012
26	30	Unbiased	3.3004	3.2971	-0.0033
27	30	Unbiased	3.3009	3.2998	-0.0011
28	30	Unbiased	3.29	3.2875	-0.0025
29	30	Unbiased	3.3196	3.3176	-0.002
30	30	Unbiased	3.3004	3.2977	-0.0027
31	50	Biased	3.3082	3.3085	0.0003
32	50	Biased	3.3123	3.3097	-0.0026
33	50	Biased	3.3068	3.3086	0.0018
34	50	Biased	3.3123	3.3127	0.0004
35	50	Biased	3.3008	3.2996	-0.0012
36	50	Unbiased	3.3008	3.2996	-0.0012
37	50	Unbiased	3.3115	3.3078	-0.0037
38	50	Unbiased	3.3052	3.3051	-0.0001
39	50	Unbiased	3.3051	3.3062	0.0011
40	50	Unbiased	3.2988	3.3009	0.0021
41	100	Biased	3.311	3.3104	-0.0006
42	100	Biased	3.2881	3.2837	-0.0044
43	100	Biased	3.292	3.295	0.003
44	100	Biased	3.3039	3.3059	0.002
45	100	Biased	3.3134	3.3126	-0.0008
46	100	Unbiased	3.2985	3.3008	0.0023
47	100	Unbiased	3.3009	3.3034	0.0025
48	100	Unbiased	3.2988	3.2996	0.0008
49	100	Unbiased	3.309	3.3046	-0.0044
50	100	Unbiased	3.3109	3.3063	-0.0046
51	0	Correlation	3.296	3.296	0
52	0	Correlation	3.307	3.307	0
53	0	Correlation	3.2779	3.2778	-0.0001
54	0	Correlation	3.3185	3.3184	-0.0001
55	0	Correlation	3.306	3.306	0

Test Statistics (V)

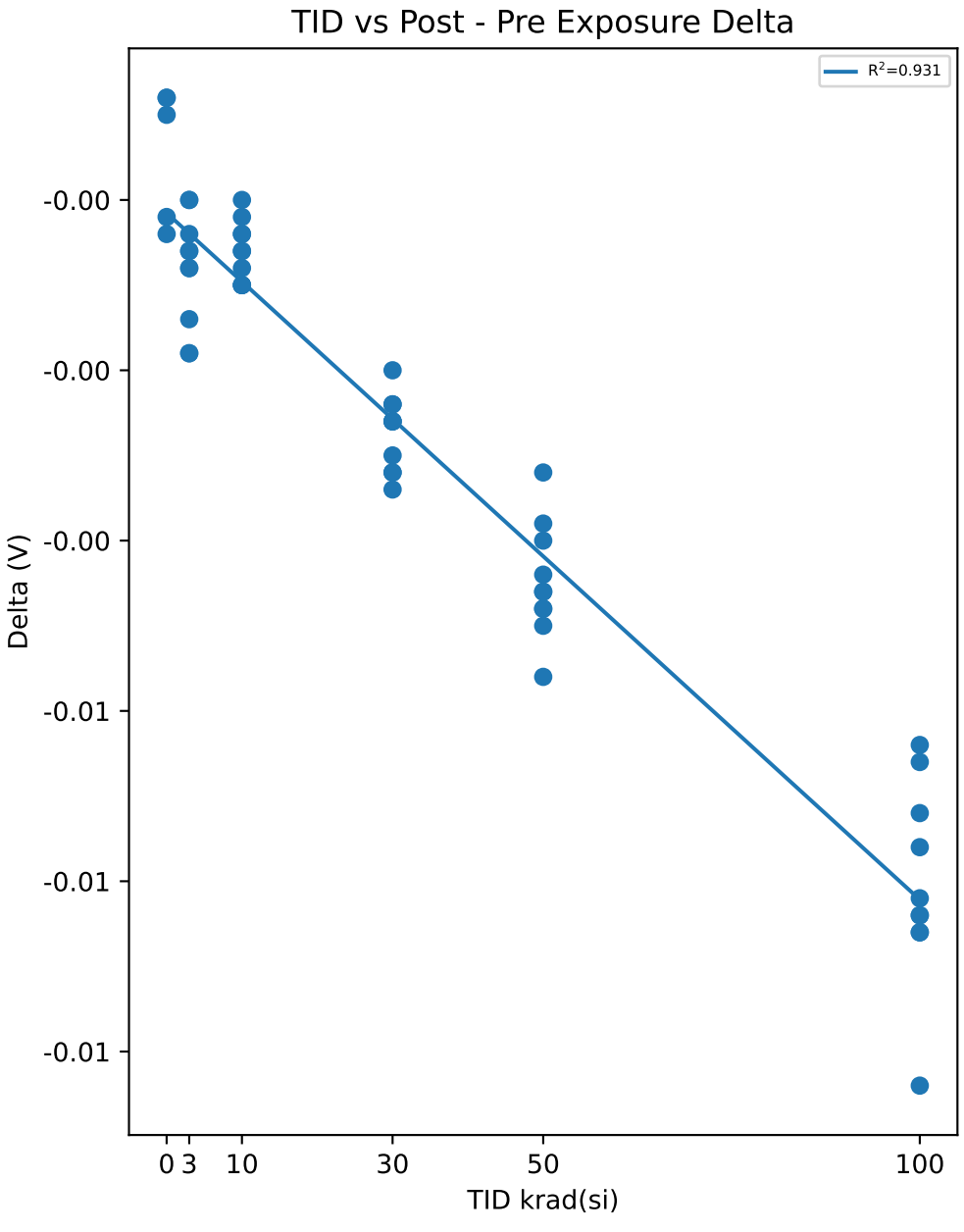
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.2779	3.3011	3.3185	0.015214	3.2778	3.301	3.3184	0.015223	-0.0001	-4e-05	0	5.4772e-05
3	3.2917	3.3054	3.3241	0.010495	3.2906	3.305	3.3236	0.010561	-0.0011	-0.00045	0.0003	0.00045765
10	3.2841	3.3032	3.3168	0.0096977	3.2812	3.3021	3.3162	0.01026	-0.0032	-0.00109	0.0003	0.0012538
30	3.2896	3.3015	3.3196	0.009442	3.2875	3.3004	3.3176	0.0091356	-0.0034	-0.00108	0.0021	0.0020794
50	3.2988	3.3062	3.3123	0.0049683	3.2996	3.3059	3.3127	0.0045147	-0.0037	-0.00031	0.0021	0.0018705
100	3.2881	3.3026	3.3134	0.008534	3.2837	3.3022	3.3126	0.0082725	-0.0046	-0.00042	0.003	0.0030604

Device Test: 6.110; VOL_WDO_10MA_OD



Test Results (Upper Limit = 2.0 (V))

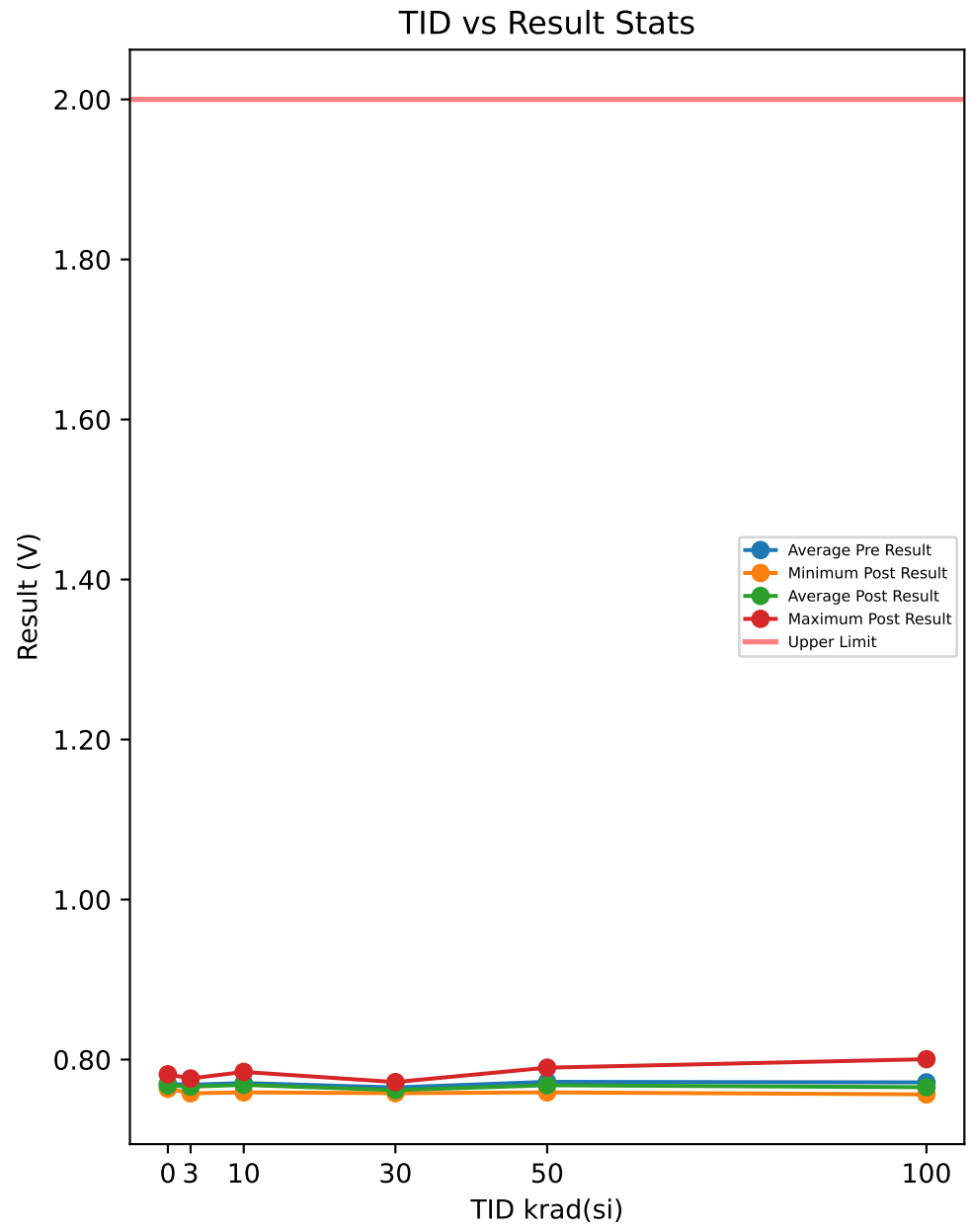
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7755	0.7726	-0.0029
2	3	Biased	0.7822	0.7793	-0.0029
3	3	Biased	0.7852	0.7825	-0.0027
4	3	Biased	0.7857	0.7833	-0.0024
5	3	Biased	0.772	0.7697	-0.0023
6	3	Unbiased	0.7778	0.7754	-0.0024
7	3	Unbiased	0.7893	0.7873	-0.002
8	3	Unbiased	0.7743	0.7723	-0.002
9	3	Unbiased	0.7814	0.7792	-0.0022
10	3	Unbiased	0.7876	0.7853	-0.0023
11	10	Biased	0.7778	0.7755	-0.0023
12	10	Biased	0.7747	0.7722	-0.0025
13	10	Biased	0.7794	0.7771	-0.0023
14	10	Biased	0.7754	0.7729	-0.0025
15	10	Biased	0.78	0.7776	-0.0024
16	10	Unbiased	0.788	0.7855	-0.0025
17	10	Unbiased	0.8022	0.8	-0.0022
18	10	Unbiased	0.7855	0.7834	-0.0021
19	10	Unbiased	0.7798	0.7776	-0.0022
20	10	Unbiased	0.792	0.79	-0.002
21	30	Biased	0.7756	0.7726	-0.003
22	30	Biased	0.7745	0.7712	-0.0033
23	30	Biased	0.787	0.7837	-0.0033
24	30	Biased	0.7816	0.778	-0.0036
25	30	Biased	0.7722	0.769	-0.0032
26	30	Unbiased	0.7794	0.7761	-0.0033
27	30	Unbiased	0.7777	0.774	-0.0037
28	30	Unbiased	0.7727	0.7695	-0.0032
29	30	Unbiased	0.7761	0.7726	-0.0035
30	30	Unbiased	0.7736	0.77	-0.0036
31	50	Biased	0.7971	0.7928	-0.0043
32	50	Biased	0.7772	0.7732	-0.004
33	50	Biased	0.7782	0.7739	-0.0043
34	50	Biased	0.8049	0.8013	-0.0036
35	50	Biased	0.7901	0.7862	-0.0039
36	50	Unbiased	0.7798	0.7754	-0.0044
37	50	Unbiased	0.7793	0.7751	-0.0042
38	50	Unbiased	0.7769	0.7725	-0.0044
39	50	Unbiased	0.7774	0.7726	-0.0048
40	50	Unbiased	0.7807	0.7762	-0.0045
41	100	Biased	0.7762	0.7706	-0.0056
42	100	Biased	0.7766	0.7705	-0.0061
43	100	Biased	0.7828	0.777	-0.0058
44	100	Biased	0.7842	0.778	-0.0062
45	100	Biased	0.7761	0.7699	-0.0062
46	100	Unbiased	0.7854	0.7782	-0.0072
47	100	Unbiased	0.82	0.8137	-0.0063
48	100	Unbiased	0.7924	0.7861	-0.0063
49	100	Unbiased	0.7746	0.7693	-0.0053
50	100	Unbiased	0.7785	0.7733	-0.0052
51	0	Correlation	0.7768	0.7754	-0.0014
52	0	Correlation	0.7966	0.7951	-0.0015
53	0	Correlation	0.7774	0.776	-0.0014
54	0	Correlation	0.7766	0.7744	-0.0022
55	0	Correlation	0.7779	0.7758	-0.0021



Test Statistics (V)

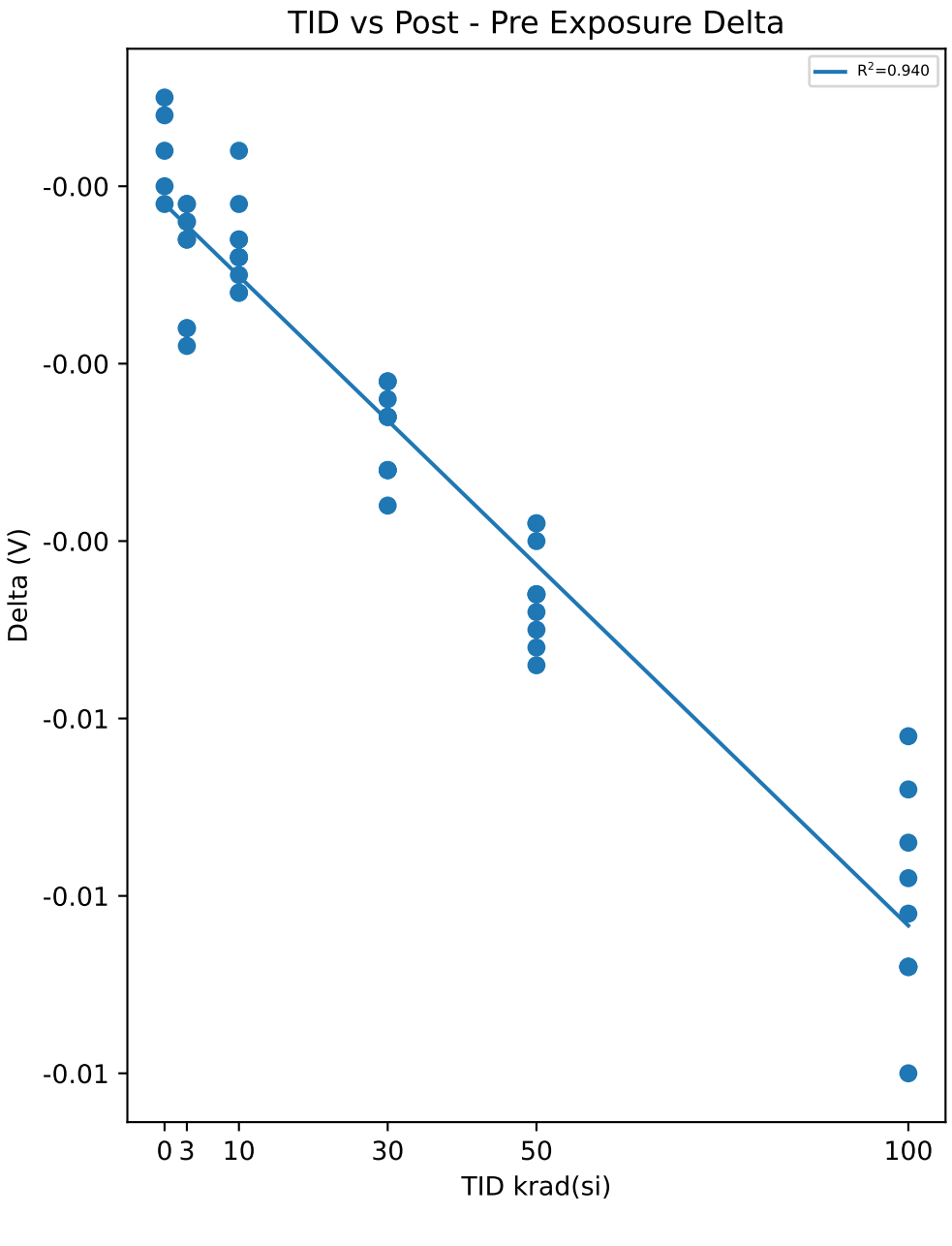
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7766	0.78106	0.7966	0.0087022	0.7744	0.77934	0.7951	0.0088316	-0.0022	-0.00172	-0.0014	0.00039623
3	0.772	0.7811	0.7893	0.0059634	0.7697	0.77869	0.7873	0.005998	-0.0029	-0.00241	-0.002	0.00032813
10	0.7747	0.78348	0.8022	0.0085925	0.7722	0.78118	0.8	0.0086879	-0.0025	-0.0023	-0.002	0.00017638
30	0.7722	0.77704	0.787	0.0045887	0.769	0.77367	0.7837	0.0045512	-0.0037	-0.00337	-0.003	0.00022136
50	0.7769	0.78416	0.8049	0.009831	0.7725	0.77992	0.8013	0.010055	-0.0048	-0.00424	-0.0036	0.00033731
100	0.7746	0.78468	0.82	0.013589	0.7693	0.77866	0.8137	0.01338	-0.0072	-0.00602	-0.0052	0.0005808

Device Test: 6.111; VOL_PWRGD_10MA_OD



Test Results (Upper Limit = 2.0 (V))

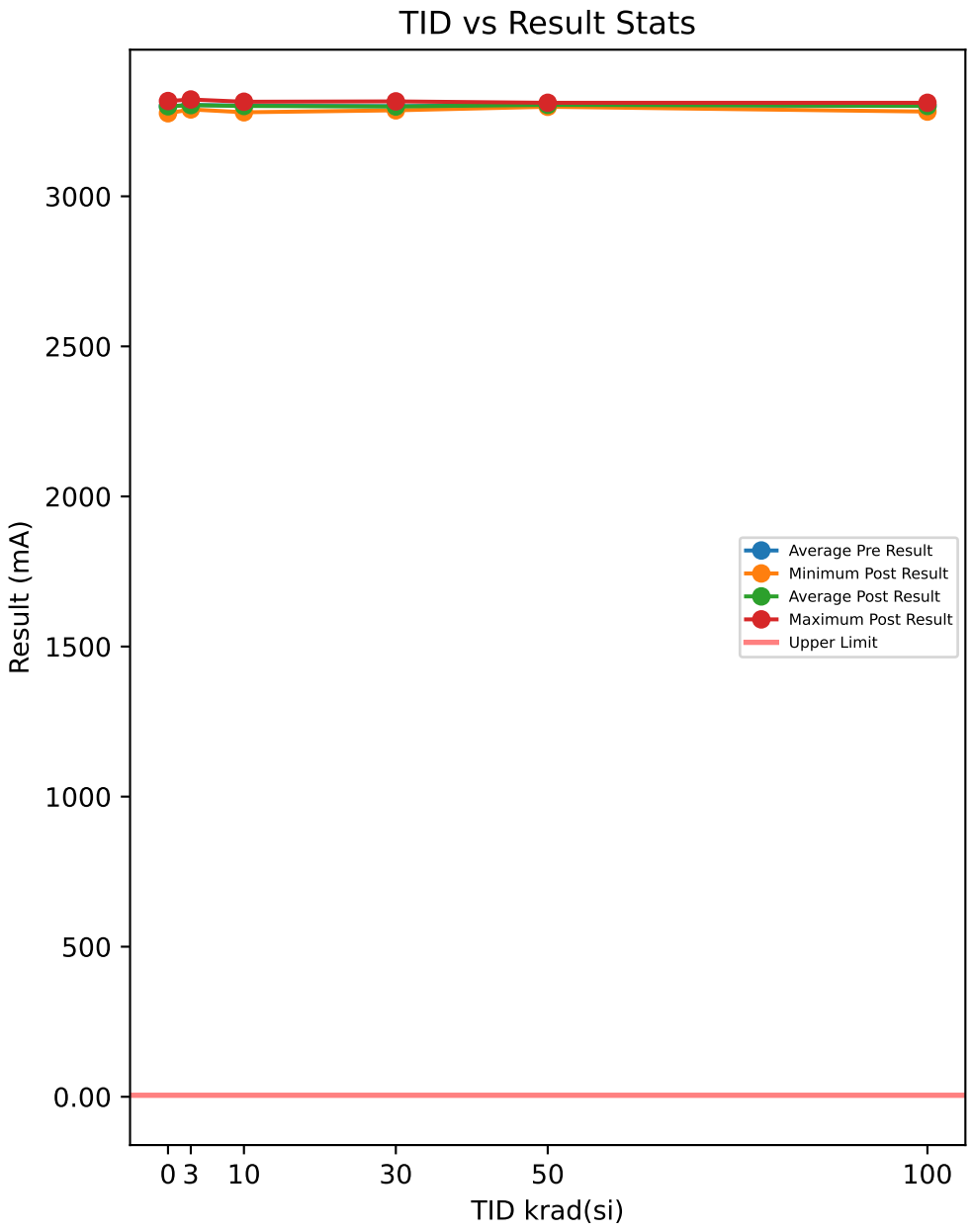
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7622	0.7594	-0.0028
2	3	Biased	0.7692	0.7663	-0.0029
3	3	Biased	0.7727	0.7699	-0.0028
4	3	Biased	0.7717	0.7694	-0.0023
5	3	Biased	0.7602	0.7579	-0.0023
6	3	Unbiased	0.7647	0.7626	-0.0021
7	3	Unbiased	0.7786	0.7764	-0.0022
8	3	Unbiased	0.7632	0.7611	-0.0021
9	3	Unbiased	0.7686	0.7664	-0.0022
10	3	Unbiased	0.7748	0.7725	-0.0023
11	10	Biased	0.7649	0.7625	-0.0024
12	10	Biased	0.7615	0.759	-0.0025
13	10	Biased	0.7663	0.764	-0.0023
14	10	Biased	0.7635	0.7609	-0.0026
15	10	Biased	0.7665	0.7641	-0.0024
16	10	Unbiased	0.7737	0.7711	-0.0026
17	10	Unbiased	0.787	0.7846	-0.0024
18	10	Unbiased	0.7745	0.7724	-0.0021
19	10	Unbiased	0.7692	0.7669	-0.0023
20	10	Unbiased	0.7799	0.7781	-0.0018
21	30	Biased	0.7623	0.7592	-0.0031
22	30	Biased	0.7635	0.7602	-0.0033
23	30	Biased	0.7751	0.7719	-0.0032
24	30	Biased	0.7705	0.7667	-0.0038
25	30	Biased	0.7613	0.758	-0.0033
26	30	Unbiased	0.7649	0.7618	-0.0031
27	30	Unbiased	0.7634	0.7598	-0.0036
28	30	Unbiased	0.7619	0.7586	-0.0033
29	30	Unbiased	0.7658	0.7622	-0.0036
30	30	Unbiased	0.7632	0.7596	-0.0036
31	50	Biased	0.785	0.7807	-0.0043
32	50	Biased	0.7629	0.759	-0.0039
33	50	Biased	0.7668	0.7623	-0.0045
34	50	Biased	0.7938	0.7899	-0.0039
35	50	Biased	0.7771	0.7731	-0.004
36	50	Unbiased	0.7677	0.7633	-0.0044
37	50	Unbiased	0.7679	0.7636	-0.0043
38	50	Unbiased	0.7654	0.7611	-0.0043
39	50	Unbiased	0.7663	0.7616	-0.0047
40	50	Unbiased	0.7691	0.7645	-0.0046
41	100	Biased	0.7639	0.7582	-0.0057
42	100	Biased	0.764	0.7579	-0.0061
43	100	Biased	0.7677	0.7618	-0.0059
44	100	Biased	0.7724	0.766	-0.0064
45	100	Biased	0.7629	0.7565	-0.0064
46	100	Unbiased	0.7711	0.7641	-0.007
47	100	Unbiased	0.8069	0.8005	-0.0064
48	100	Unbiased	0.7788	0.7724	-0.0064
49	100	Unbiased	0.7627	0.7573	-0.0054
50	100	Unbiased	0.7649	0.7598	-0.0051
51	0	Correlation	0.7661	0.7646	-0.0015
52	0	Correlation	0.7832	0.7816	-0.0016
53	0	Correlation	0.7664	0.7646	-0.0018
54	0	Correlation	0.7657	0.7636	-0.0021
55	0	Correlation	0.7664	0.7644	-0.002

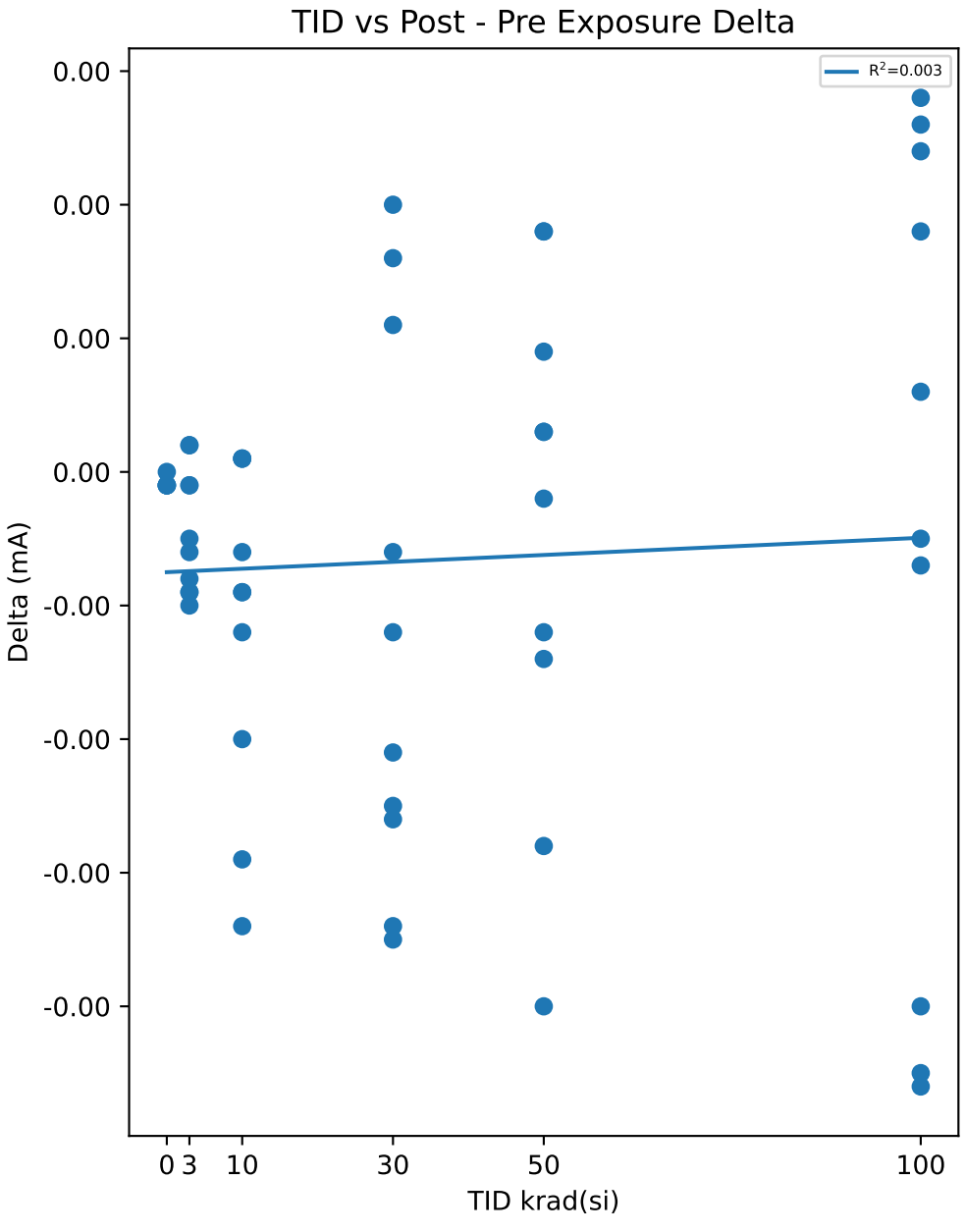


Test Statistics (V)

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	0.7657	0.76956	0.7832	0.0076304	0.7636	0.76776	0.7816	0.0077478	-0.0021	-0.0018	-0.0015	0.00025495
3	0.7602	0.76859	0.7786	0.0059732	0.7579	0.76619	0.7764	0.0059797	-0.0029	-0.0024	-0.0021	0.00030912
10	0.7615	0.7707	0.787	0.0080494	0.759	0.76836	0.7846	0.0081604	-0.0026	-0.00234	-0.0018	0.00024129
30	0.7613	0.76519	0.7751	0.0043613	0.758	0.7618	0.7719	0.0043336	-0.0038	-0.00339	-0.0031	0.00024244
50	0.7629	0.7722	0.7938	0.009997	0.759	0.76791	0.7899	0.010125	-0.0047	-0.00429	-0.0039	0.00028067
100	0.7627	0.77153	0.8069	0.013461	0.7565	0.76545	0.8005	0.013251	-0.007	-0.00608	-0.0051	0.00056332

Device Test: 6.12; VLDO_I_MAX





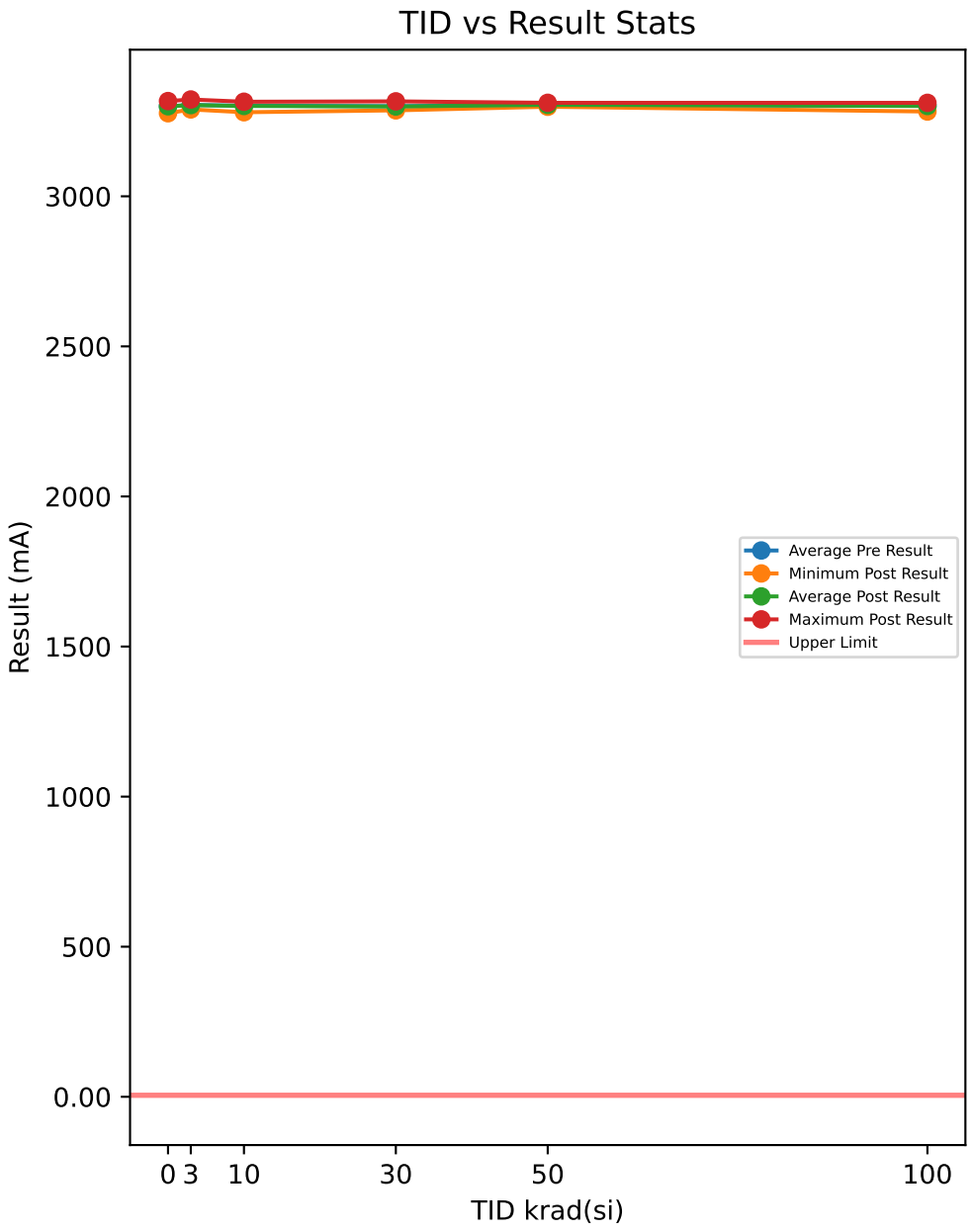
Test Results (Upper Limit = 5.0 (mA))

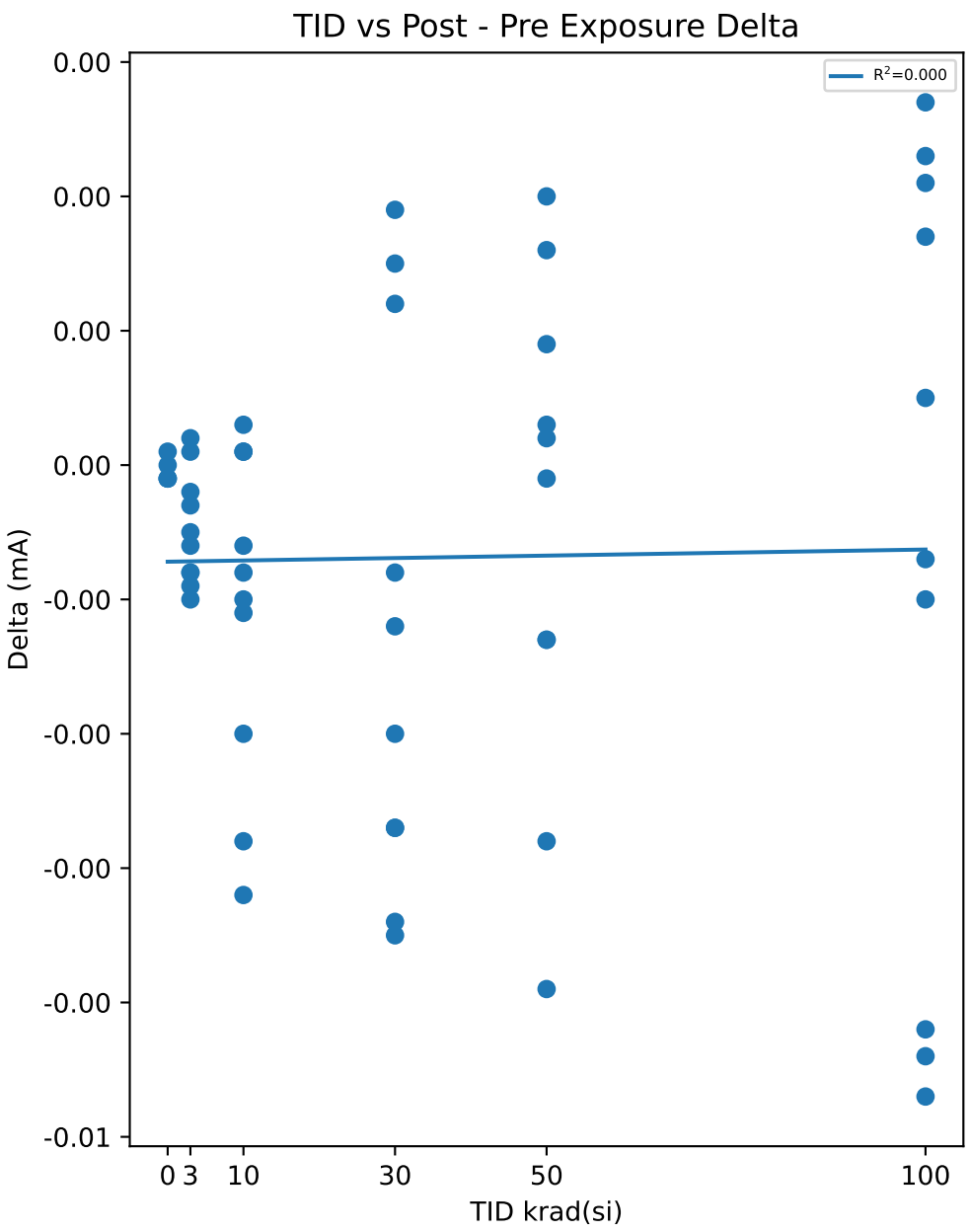
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	3290.4	3289.4	-0.001
2	3	Biased	3323	3322.5	-0.0005
3	3	Biased	3294.6	3293.7	-0.0009
4	3	Biased	3301.3	3301.5	0.0002
5	3	Biased	3316.4	3315.5	-0.0009
6	3	Unbiased	3305.7	3304.9	-0.0008
7	3	Unbiased	3310.1	3310	-0.0001
8	3	Unbiased	3308.7	3308.9	0.0002
9	3	Unbiased	3293.4	3293.3	-0.0001
10	3	Unbiased	3298.7	3298.1	-0.0006
11	10	Biased	3301.5	3298.1	-0.0034
12	10	Biased	3301.3	3301.4	0.0001
13	10	Biased	3301.9	3300.7	-0.0012
14	10	Biased	3309.5	3308.6	-0.0009
15	10	Biased	3298.2	3297.3	-0.0009
16	10	Unbiased	3314	3314.1	0.0001
17	10	Unbiased	3315.6	3315	-0.0006
18	10	Unbiased	3302.3	3300.3	-0.002
19	10	Unbiased	3293	3293.1	0.0001
20	10	Unbiased	3282.8	3279.9	-0.0029
21	30	Biased	3307.5	3309.5	0.002
22	30	Biased	3300.2	3299.6	-0.0006
23	30	Biased	3309.3	3305.8	-0.0035
24	30	Biased	3288.4	3290	0.0016
25	30	Biased	3292.2	3293.3	0.0011
26	30	Unbiased	3299.3	3295.9	-0.0034
27	30	Unbiased	3299.5	3298.3	-0.0012
28	30	Unbiased	3288.9	3286.4	-0.0025
29	30	Unbiased	3318.3	3316.2	-0.0021
30	30	Unbiased	3299.1	3296.5	-0.0026
31	50	Biased	3307	3307.3	0.0003
32	50	Biased	3311.2	3308.4	-0.0028
33	50	Biased	3305.6	3307.4	0.0018
34	50	Biased	3311.2	3311.5	0.0003
35	50	Biased	3299.6	3298.2	-0.0014
36	50	Unbiased	3299.6	3298.4	-0.0012
37	50	Unbiased	3310.4	3306.4	-0.004
38	50	Unbiased	3304.1	3303.9	-0.0002
39	50	Unbiased	3303.8	3304.7	0.0009
40	50	Unbiased	3297.7	3299.5	0.0018
41	100	Biased	3309.7	3309.2	-0.0005
42	100	Biased	3286.8	3282.2	-0.0046
43	100	Biased	3290.9	3293.7	0.0028
44	100	Biased	3302.8	3304.6	0.0018
45	100	Biased	3312.2	3311.5	-0.0007
46	100	Unbiased	3297.3	3299.7	0.0024
47	100	Unbiased	3299.7	3302.3	0.0026
48	100	Unbiased	3297.6	3298.2	0.0006
49	100	Unbiased	3307.7	3303.7	-0.004
50	100	Unbiased	3309.7	3305.2	-0.0045
51	0	Correlation	3294.9	3294.8	-0.0001
52	0	Correlation	3305.8	3305.7	-0.0001
53	0	Correlation	3276.8	3276.7	-0.0001
54	0	Correlation	3317.3	3317.3	0
55	0	Correlation	3304.9	3304.8	-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	3276.8	3299.9	3317.3	15.175	3276.7	3299.9	3317.3	15.204	-0.0001	-8e-05	0	4.4721e-05
3	3290.4	3304.2	3323	10.528	3289.4	3303.8	3322.5	10.592	-0.001	-0.00045	0.0002	0.00046488
10	3282.8	3302	3315.6	9.719	3279.9	3300.8	3315	10.304	-0.0034	-0.00116	0.0001	0.0012456
30	3288.4	3300.3	3318.3	9.411	3286.4	3299.2	3316.2	9.0742	-0.0035	-0.00112	0.002	0.0020617
50	3297.7	3305	3311.2	4.9917	3298.2	3304.6	3311.5	4.55	-0.004	-0.00045	0.0018	0.0019069
100	3286.8	3301.4	3312.2	8.5219	3282.2	3301	3311.5	8.3886	-0.0046	-0.00041	0.0028	0.0029894

Device Test: 6.13; VLDO_I_MAX





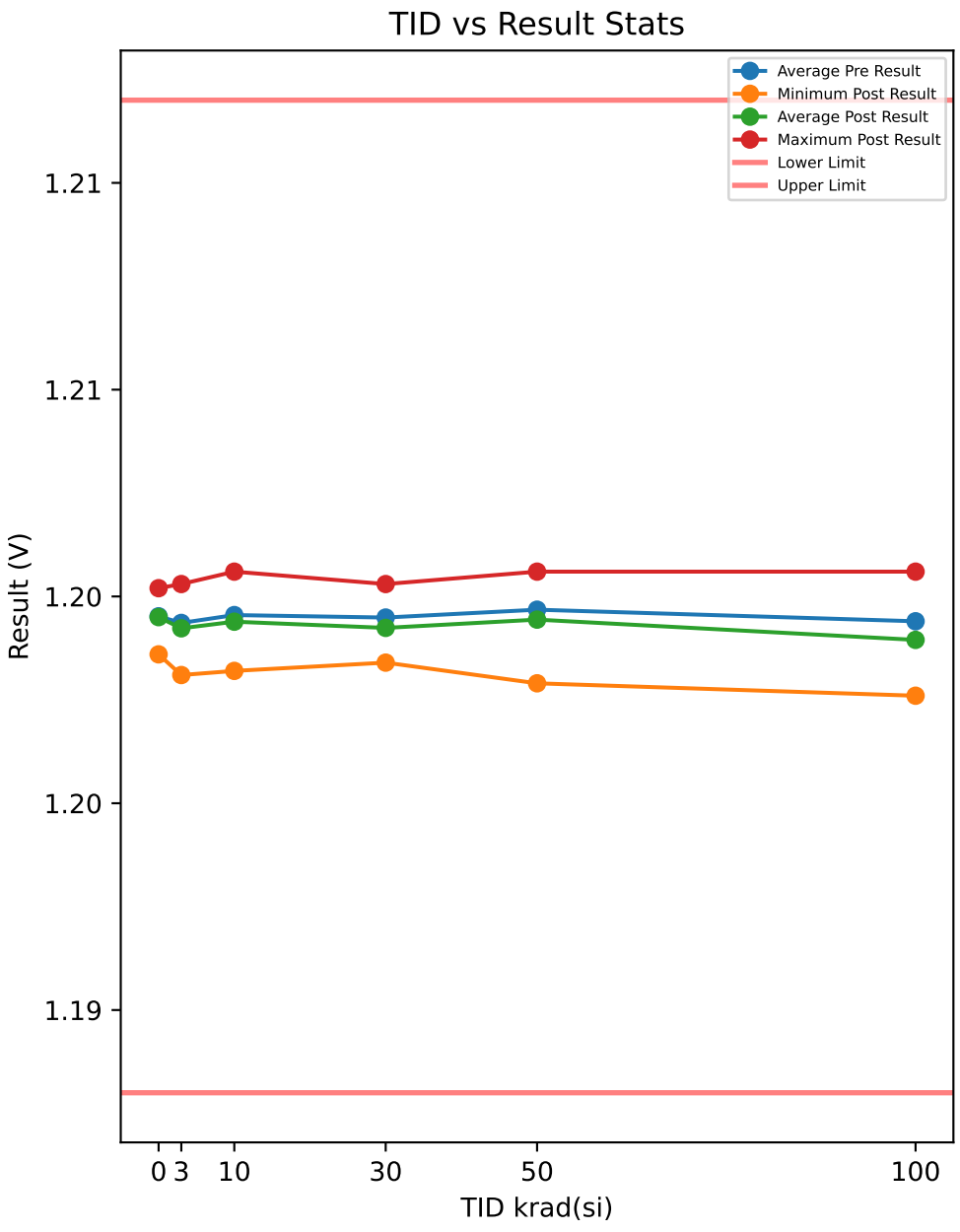
Test Results (Upper Limit = 5.0 (mA))

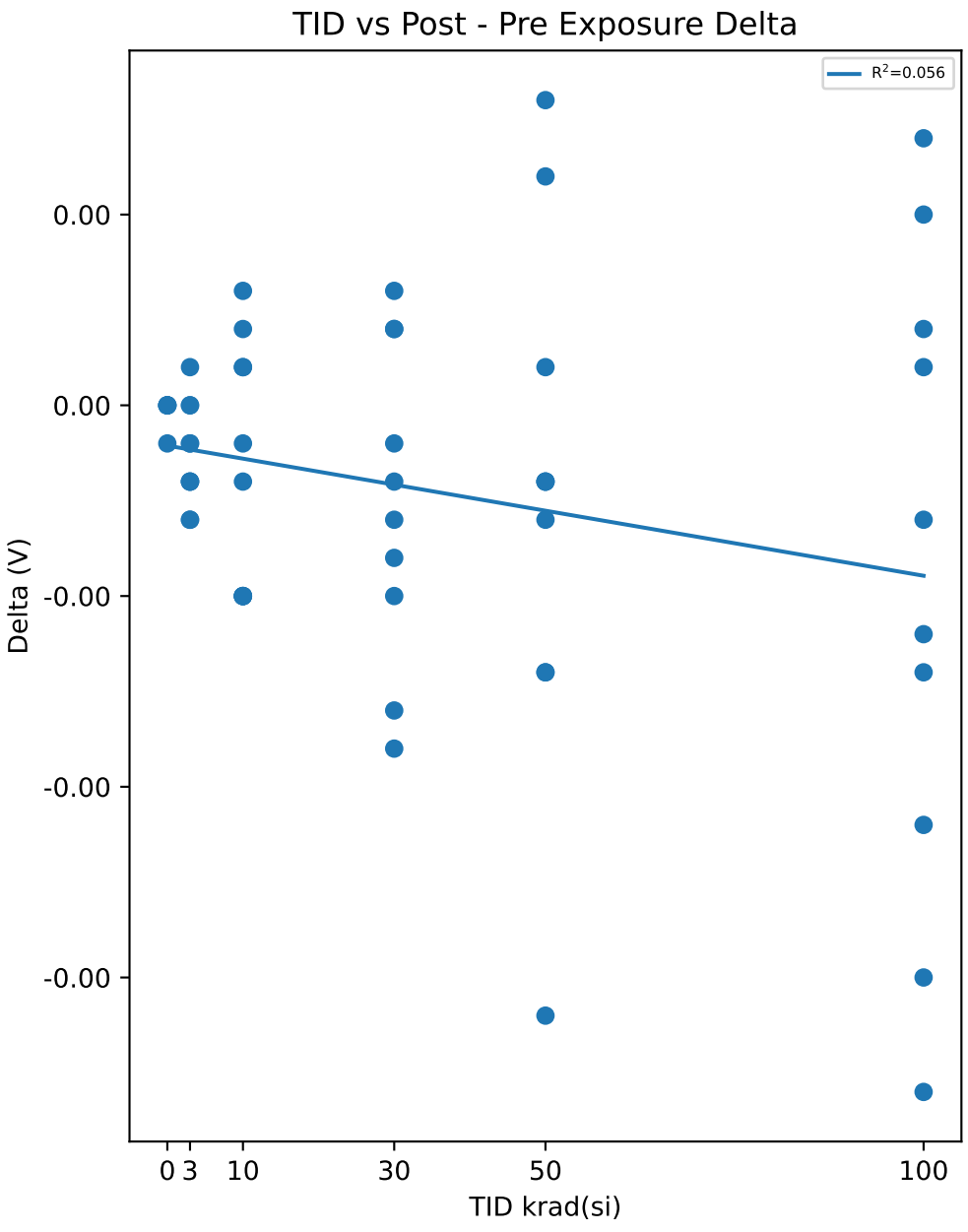
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	3290.4	3289.4	-0.001
2	3	Biased	3323	3322.5	-0.0005
3	3	Biased	3294.5	3293.7	-0.0008
4	3	Biased	3301.4	3301.6	0.0002
5	3	Biased	3316.4	3315.5	-0.0009
6	3	Unbiased	3305.8	3305	-0.0008
7	3	Unbiased	3310.1	3309.9	-0.0002
8	3	Unbiased	3308.8	3308.9	0.0001
9	3	Unbiased	3293.5	3293.2	-0.0003
10	3	Unbiased	3298.7	3298.1	-0.0006
11	10	Biased	3301.4	3298.2	-0.0032
12	10	Biased	3301.2	3301.5	0.0003
13	10	Biased	3301.9	3300.8	-0.0011
14	10	Biased	3309.5	3308.5	-0.001
15	10	Biased	3298.1	3297.3	-0.0008
16	10	Unbiased	3314	3314.1	0.0001
17	10	Unbiased	3315.6	3315	-0.0006
18	10	Unbiased	3302.3	3300.3	-0.002
19	10	Unbiased	3293	3293.1	0.0001
20	10	Unbiased	3282.8	3280	-0.0028
21	30	Biased	3307.6	3309.5	0.0019
22	30	Biased	3300.2	3299.4	-0.0008
23	30	Biased	3309.3	3305.8	-0.0035
24	30	Biased	3288.5	3290	0.0015
25	30	Biased	3292.1	3293.3	0.0012
26	30	Unbiased	3299.3	3295.9	-0.0034
27	30	Unbiased	3299.6	3298.4	-0.0012
28	30	Unbiased	3289	3286.3	-0.0027
29	30	Unbiased	3318.3	3316.3	-0.002
30	30	Unbiased	3299	3296.3	-0.0027
31	50	Biased	3307	3307.3	0.0003
32	50	Biased	3311.2	3308.4	-0.0028
33	50	Biased	3305.6	3307.2	0.0016
34	50	Biased	3311.2	3311.4	0.0002
35	50	Biased	3299.6	3298.3	-0.0013
36	50	Unbiased	3299.6	3298.3	-0.0013
37	50	Unbiased	3310.4	3306.5	-0.0039
38	50	Unbiased	3304.1	3304	-0.0001
39	50	Unbiased	3303.9	3304.8	0.0009
40	50	Unbiased	3297.6	3299.6	0.002
41	100	Biased	3309.8	3309.1	-0.0007
42	100	Biased	3286.8	3282.4	-0.0044
43	100	Biased	3290.9	3293.6	0.0027
44	100	Biased	3302.8	3304.5	0.0017
45	100	Biased	3312.3	3311.3	-0.001
46	100	Unbiased	3297.3	3299.4	0.0021
47	100	Unbiased	3299.7	3302	0.0023
48	100	Unbiased	3297.6	3298.1	0.0005
49	100	Unbiased	3307.7	3303.5	-0.0042
50	100	Unbiased	3309.7	3305	-0.0047
51	0	Correlation	3294.9	3294.8	-0.0001
52	0	Correlation	3305.8	3305.8	0
53	0	Correlation	3276.8	3276.7	-0.0001
54	0	Correlation	3317.3	3317.2	-0.0001
55	0	Correlation	3304.8	3304.9	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	3276.8	3299.9	3317.3	15.167	3276.7	3299.9	3317.2	15.193	-0.0001	-4e-05	0.0001	8.9443e-05
3	3290.4	3304.3	3323	10.53	3289.4	3303.8	3322.5	10.595	-0.001	-0.00048	0.0002	0.00041846
10	3282.8	3302	3315.6	9.7249	3280	3300.9	3315	10.271	-0.0032	-0.0011	0.0003	0.0012156
30	3288.5	3300.3	3318.3	9.4024	3286.3	3299.1	3316.3	9.1155	-0.0035	-0.00117	0.0019	0.002057
50	3297.6	3305	3311.2	5.0055	3298.3	3304.6	3311.4	4.5107	-0.0039	-0.00044	0.002	0.0018857
100	3286.8	3301.5	3312.3	8.5468	3282.4	3300.9	3311.3	8.2917	-0.0047	-0.00057	0.0027	0.0029337

Device Test: 6.14; REFCAP





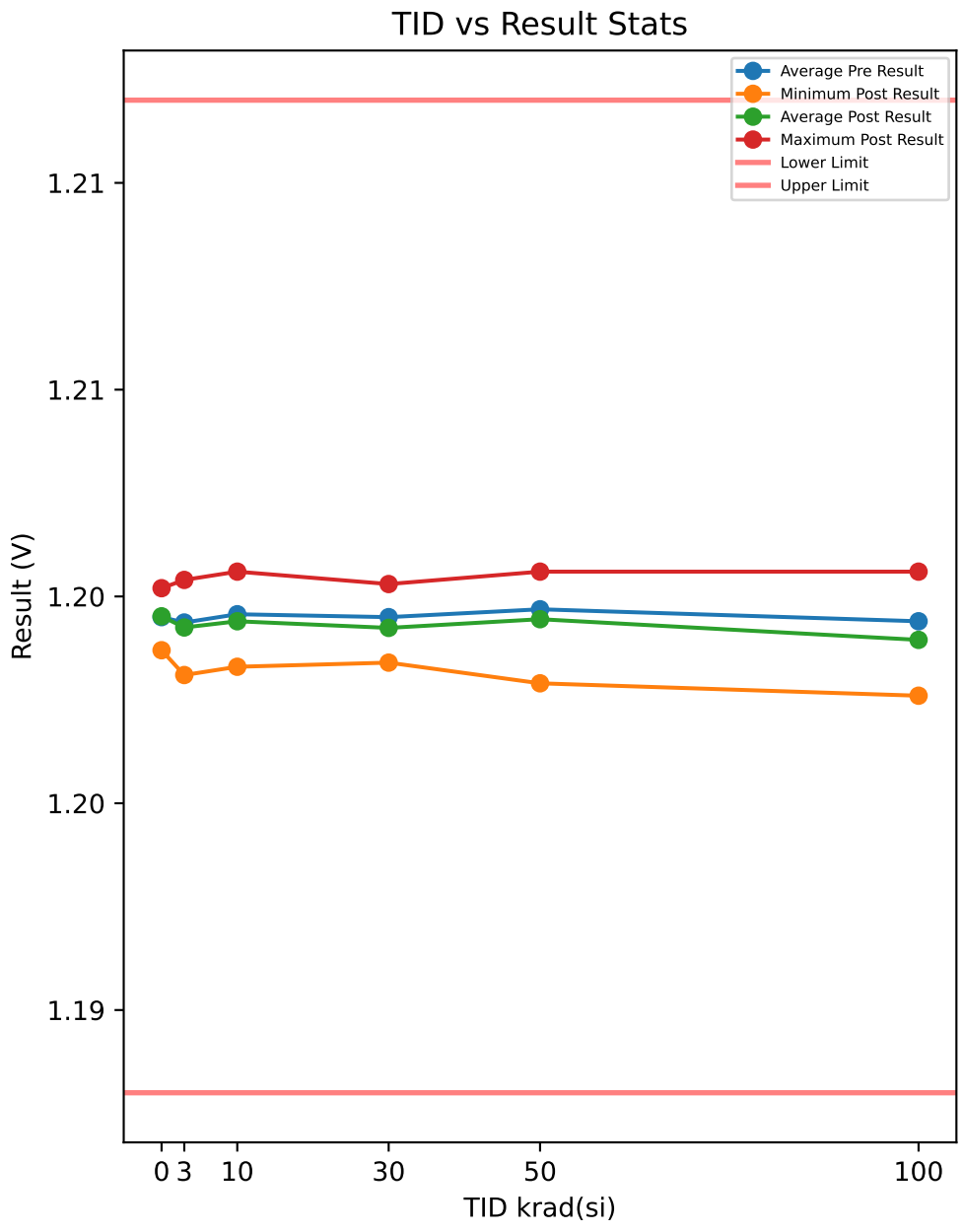
Test Results (Lower Limit = 1.188, Upper Limit = 1.212 (V))

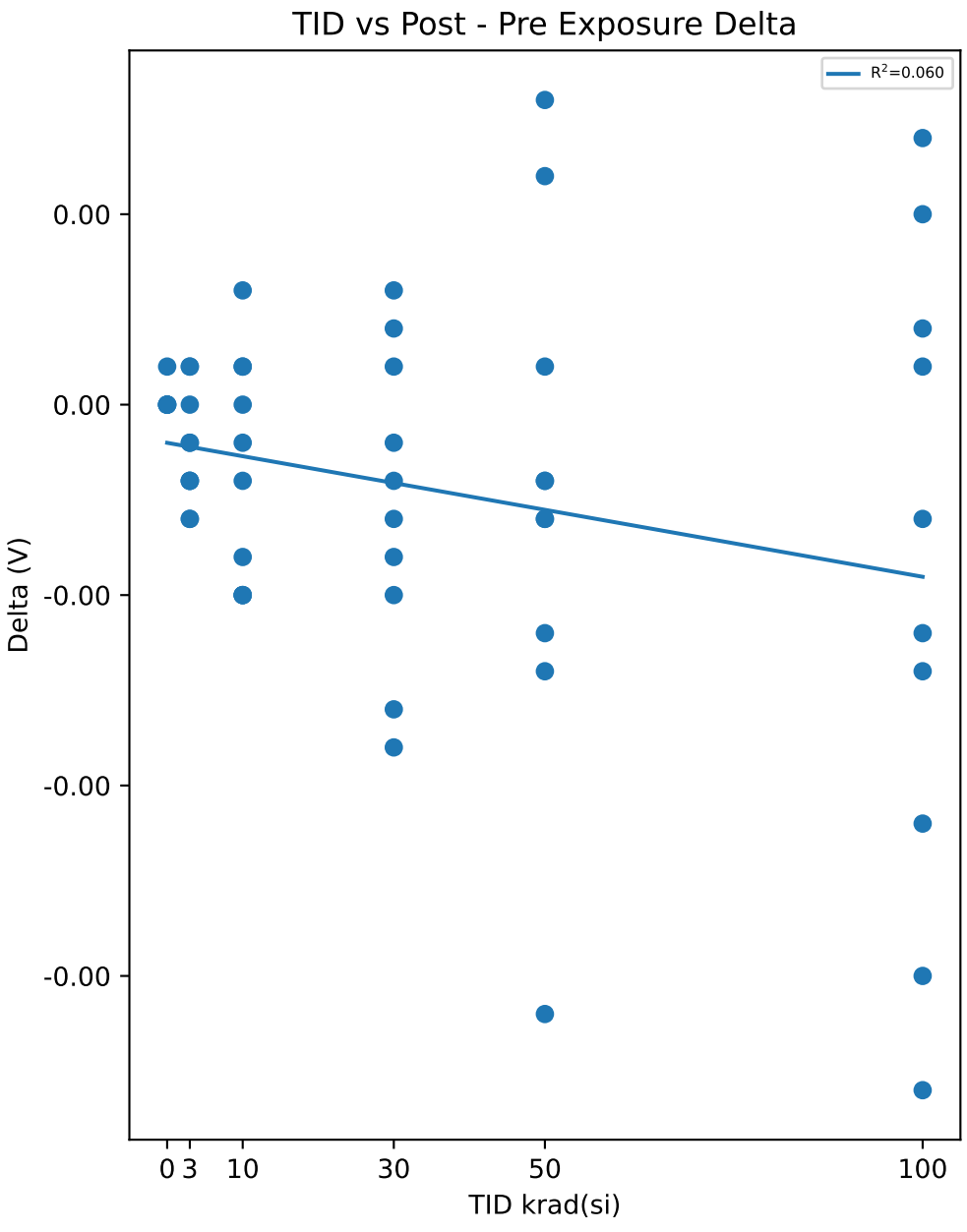
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.1983	1.1981	-0.0002
2	3	Biased	1.1995	1.1992	-0.0003
3	3	Biased	1.2005	1.2003	-0.0002
4	3	Biased	1.1999	1.1999	0
5	3	Biased	1.1999	1.1998	-0.0001
6	3	Unbiased	1.1994	1.1992	-0.0002
7	3	Unbiased	1.1984	1.1984	0
8	3	Unbiased	1.199	1.1991	0.0001
9	3	Unbiased	1.1992	1.1991	-0.0001
10	3	Unbiased	1.1995	1.1992	-0.0003
11	10	Biased	1.2	1.1995	-0.0005
12	10	Biased	1.1987	1.1982	-0.0005
13	10	Biased	1.2	1.2002	0.0002
14	10	Biased	1.1997	1.1995	-0.0002
15	10	Biased	1.2001	1.2	-0.0001
16	10	Unbiased	1.1989	1.199	0.0001
17	10	Unbiased	1.2005	1.2006	0.0001
18	10	Unbiased	1.1995	1.199	-0.0005
19	10	Unbiased	1.1989	1.1992	0.0003
20	10	Unbiased	1.1992	1.1987	-0.0005
21	30	Biased	1.1996	1.1988	-0.0008
22	30	Biased	1.2	1.2003	0.0003
23	30	Biased	1.2003	1.2	-0.0003
24	30	Biased	1.1997	1.1999	0.0002
25	30	Biased	1.1994	1.1993	-0.0001
26	30	Unbiased	1.1986	1.1984	-0.0002
27	30	Unbiased	1.1988	1.1984	-0.0004
28	30	Unbiased	1.1994	1.1989	-0.0005
29	30	Unbiased	1.1995	1.1997	0.0002
30	30	Unbiased	1.1996	1.1987	-0.0009
31	50	Biased	1.2005	1.2003	-0.0002
32	50	Biased	1.2003	1.2001	-0.0002
33	50	Biased	1.1997	1.199	-0.0007
34	50	Biased	1.1999	1.1992	-0.0007
35	50	Biased	1.1989	1.1986	-0.0003
36	50	Unbiased	1.199	1.1996	0.0006
37	50	Unbiased	1.1995	1.1979	-0.0016
38	50	Unbiased	1.2005	1.2006	0.0001
39	50	Unbiased	1.1991	1.1989	-0.0002
40	50	Unbiased	1.1994	1.2002	0.0008
41	100	Biased	1.1994	1.1983	-0.0011
42	100	Biased	1.1994	1.1976	-0.0018
43	100	Biased	1.2001	1.2003	0.0002
44	100	Biased	1.1989	1.1986	-0.0003
45	100	Biased	1.199	1.1983	-0.0007
46	100	Unbiased	1.1999	1.2006	0.0007
47	100	Unbiased	1.1994	1.1988	-0.0006
48	100	Unbiased	1.1993	1.1998	0.0005
49	100	Unbiased	1.1995	1.1996	0.0001
50	100	Unbiased	1.1991	1.1976	-0.0015
51	0	Correlation	1.2002	1.2002	0
52	0	Correlation	1.2	1.2	0
53	0	Correlation	1.1996	1.1996	0
54	0	Correlation	1.1991	1.1991	0
55	0	Correlation	1.1987	1.1986	-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	1.1987	1.1995	1.2002	0.00062209	1.1986	1.1995	1.2002	0.00065574	-0.0001	-2e-05	0	4.4721e-05
3	1.1983	1.1994	1.2005	0.00067692	1.1981	1.1992	1.2003	0.00066005	-0.0003	-0.00013	0.0001	0.00013375
10	1.1987	1.1995	1.2005	0.00060782	1.1982	1.1994	1.2006	0.00072641	-0.0005	-0.00016	0.0003	0.00032387
30	1.1986	1.1995	1.2003	0.00050211	1.1984	1.1992	1.2003	0.00069634	-0.0009	-0.00025	0.0003	0.00041433
50	1.1989	1.1997	1.2005	0.00060516	1.1979	1.1994	1.2006	0.00086564	-0.0016	-0.00024	0.0008	0.00068183
100	1.1989	1.1994	1.2001	0.00037417	1.1976	1.1989	1.2006	0.0010711	-0.0018	-0.00045	0.0007	0.0008436

Device Test: 6.15; REFCAP





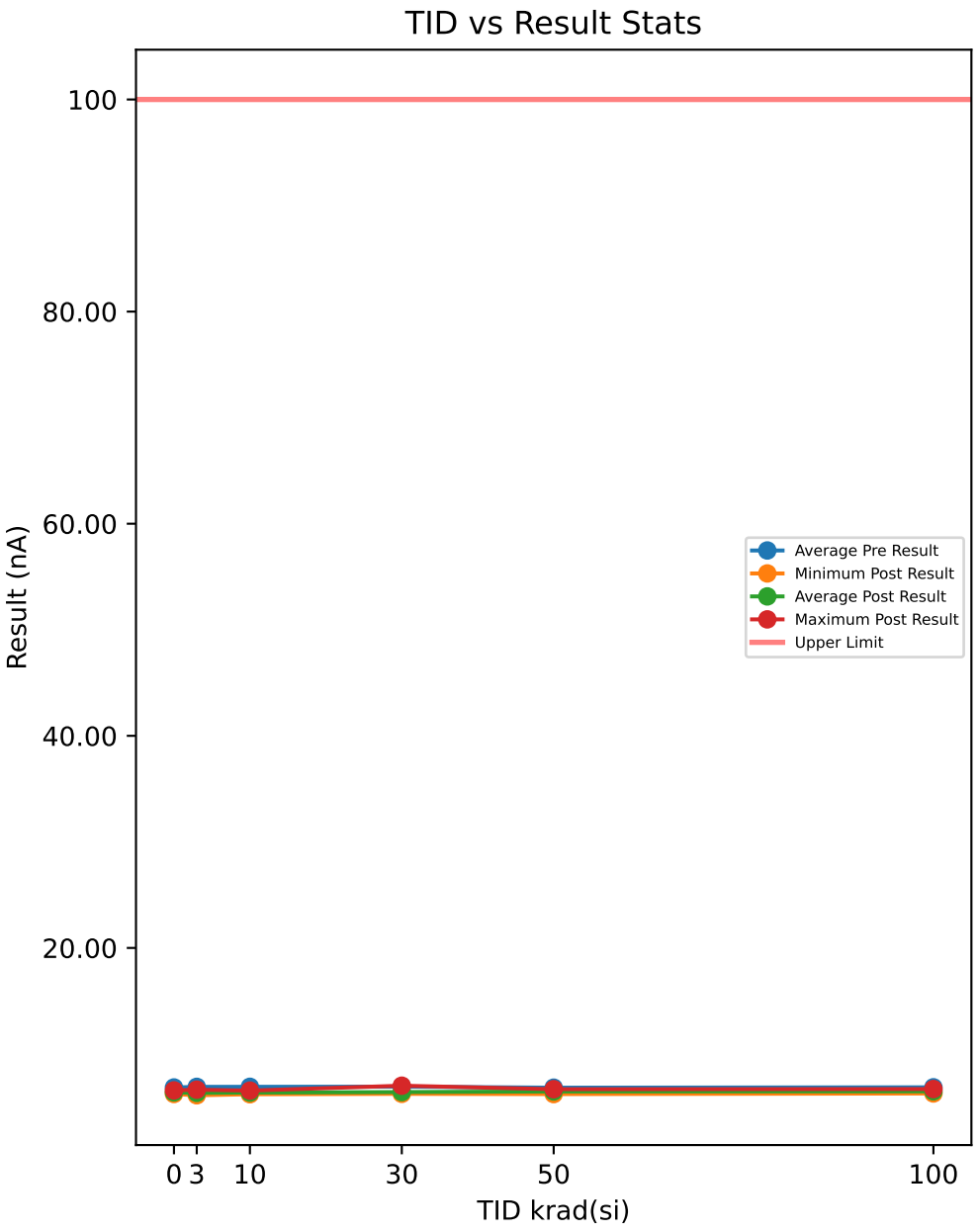
Test Results (Lower Limit = 1.188, Upper Limit = 1.212 (V))

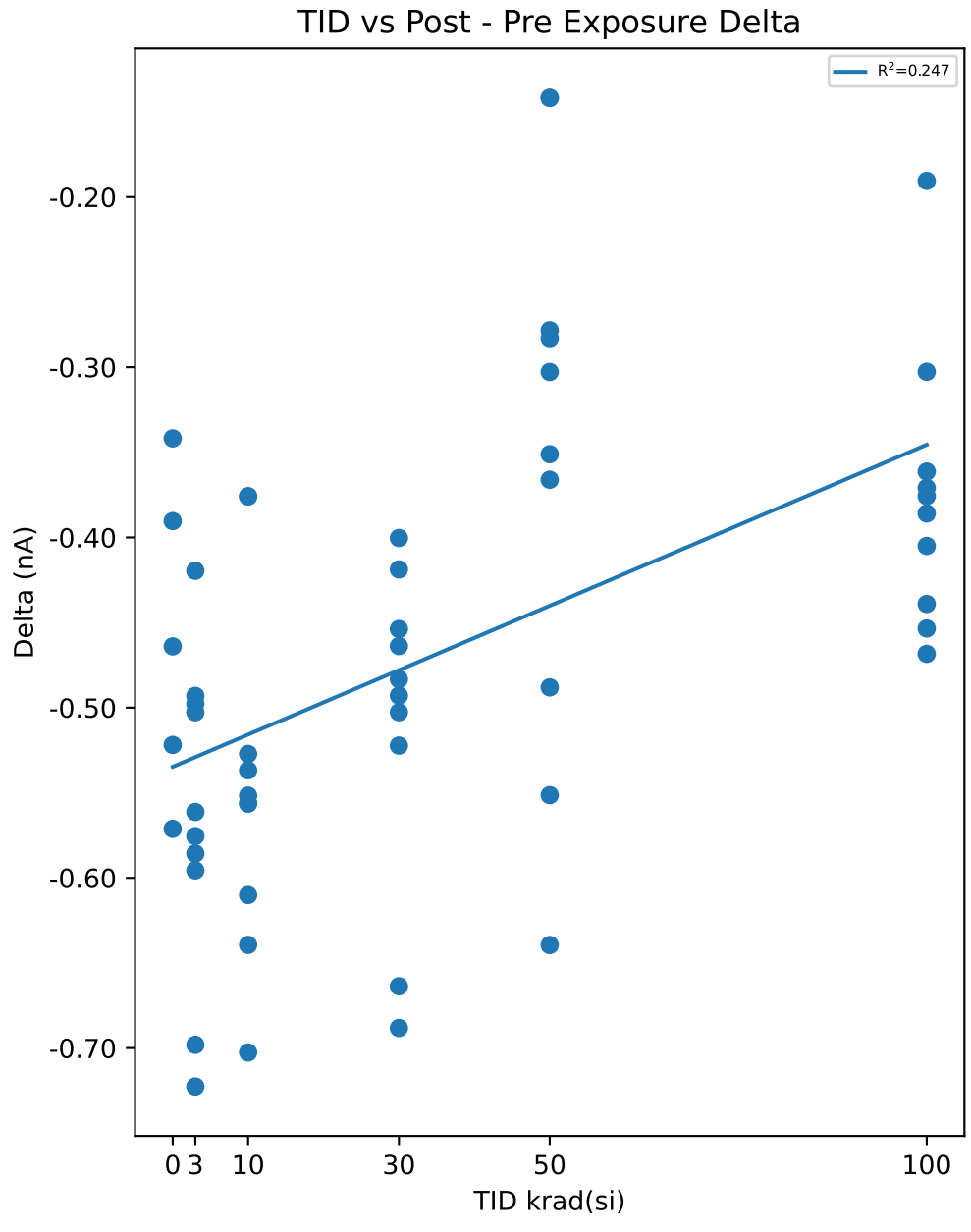
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.1983	1.1981	-0.0002
2	3	Biased	1.1995	1.1992	-0.0003
3	3	Biased	1.2006	1.2004	-0.0002
4	3	Biased	1.1999	1.2	0.0001
5	3	Biased	1.1999	1.1998	-0.0001
6	3	Unbiased	1.1994	1.1992	-0.0002
7	3	Unbiased	1.1984	1.1984	0
8	3	Unbiased	1.199	1.1991	0.0001
9	3	Unbiased	1.1992	1.1991	-0.0001
10	3	Unbiased	1.1995	1.1992	-0.0003
11	10	Biased	1.2	1.1996	-0.0004
12	10	Biased	1.1988	1.1983	-0.0005
13	10	Biased	1.2	1.2001	0.0001
14	10	Biased	1.1997	1.1995	-0.0002
15	10	Biased	1.2001	1.2	-0.0001
16	10	Unbiased	1.199	1.199	0
17	10	Unbiased	1.2005	1.2006	0.0001
18	10	Unbiased	1.1995	1.199	-0.0005
19	10	Unbiased	1.1989	1.1992	0.0003
20	10	Unbiased	1.1992	1.1987	-0.0005
21	30	Biased	1.1996	1.1988	-0.0008
22	30	Biased	1.2	1.2003	0.0003
23	30	Biased	1.2003	1.2	-0.0003
24	30	Biased	1.1998	1.1999	0.0001
25	30	Biased	1.1994	1.1993	-0.0001
26	30	Unbiased	1.1986	1.1984	-0.0002
27	30	Unbiased	1.1988	1.1984	-0.0004
28	30	Unbiased	1.1994	1.1989	-0.0005
29	30	Unbiased	1.1995	1.1997	0.0002
30	30	Unbiased	1.1996	1.1987	-0.0009
31	50	Biased	1.2005	1.2003	-0.0002
32	50	Biased	1.2003	1.2001	-0.0002
33	50	Biased	1.1997	1.199	-0.0007
34	50	Biased	1.1999	1.1993	-0.0006
35	50	Biased	1.1989	1.1986	-0.0003
36	50	Unbiased	1.199	1.1996	0.0006
37	50	Unbiased	1.1995	1.1979	-0.0016
38	50	Unbiased	1.2005	1.2006	0.0001
39	50	Unbiased	1.1992	1.1989	-0.0003
40	50	Unbiased	1.1994	1.2002	0.0008
41	100	Biased	1.1994	1.1983	-0.0011
42	100	Biased	1.1994	1.1976	-0.0018
43	100	Biased	1.2001	1.2003	0.0002
44	100	Biased	1.1989	1.1986	-0.0003
45	100	Biased	1.199	1.1983	-0.0007
46	100	Unbiased	1.1999	1.2006	0.0007
47	100	Unbiased	1.1994	1.1988	-0.0006
48	100	Unbiased	1.1993	1.1998	0.0005
49	100	Unbiased	1.1995	1.1996	0.0001
50	100	Unbiased	1.1991	1.1976	-0.0015
51	0	Correlation	1.2002	1.2002	0
52	0	Correlation	1.2	1.2	0
53	0	Correlation	1.1996	1.1996	0
54	0	Correlation	1.1991	1.1991	0
55	0	Correlation	1.1986	1.1987	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	1.1986	1.1995	1.2002	0.00065574	1.1987	1.1995	1.2002	0.00062209	0	2e-05	0.0001	4.4721e-05
3	1.1983	1.1994	1.2006	0.0006961	1.1981	1.1992	1.2004	0.00069001	-0.0003	-0.00012	0.0001	0.00014757
10	1.1988	1.1996	1.2005	0.00058128	1.1983	1.1994	1.2006	0.00069921	-0.0005	-0.00017	0.0003	0.00029458
30	1.1986	1.1995	1.2003	0.00050772	1.1984	1.1992	1.2003	0.00069634	-0.0009	-0.00026	0.0003	0.00040332
50	1.1989	1.1997	1.2005	0.00059526	1.1979	1.1995	1.2006	0.00086313	-0.0016	-0.00024	0.0008	0.00067528
100	1.1989	1.1994	1.2001	0.00037417	1.1976	1.1989	1.2006	0.0010711	-0.0018	-0.00045	0.0007	0.0008436

Device Test: 6.16; ILKG_SR_UVLO





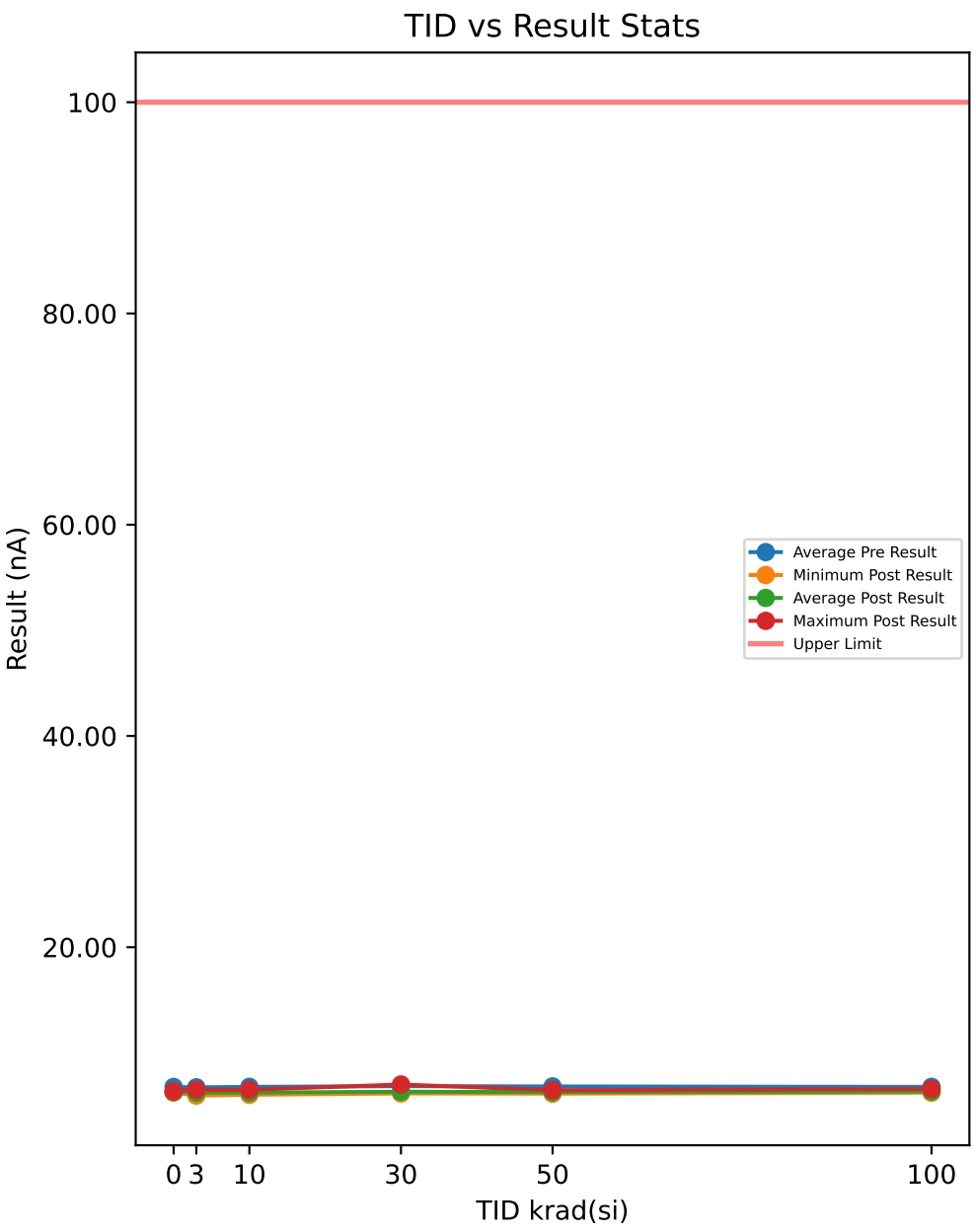
Test Results (Upper Limit = 100.0 (nA))

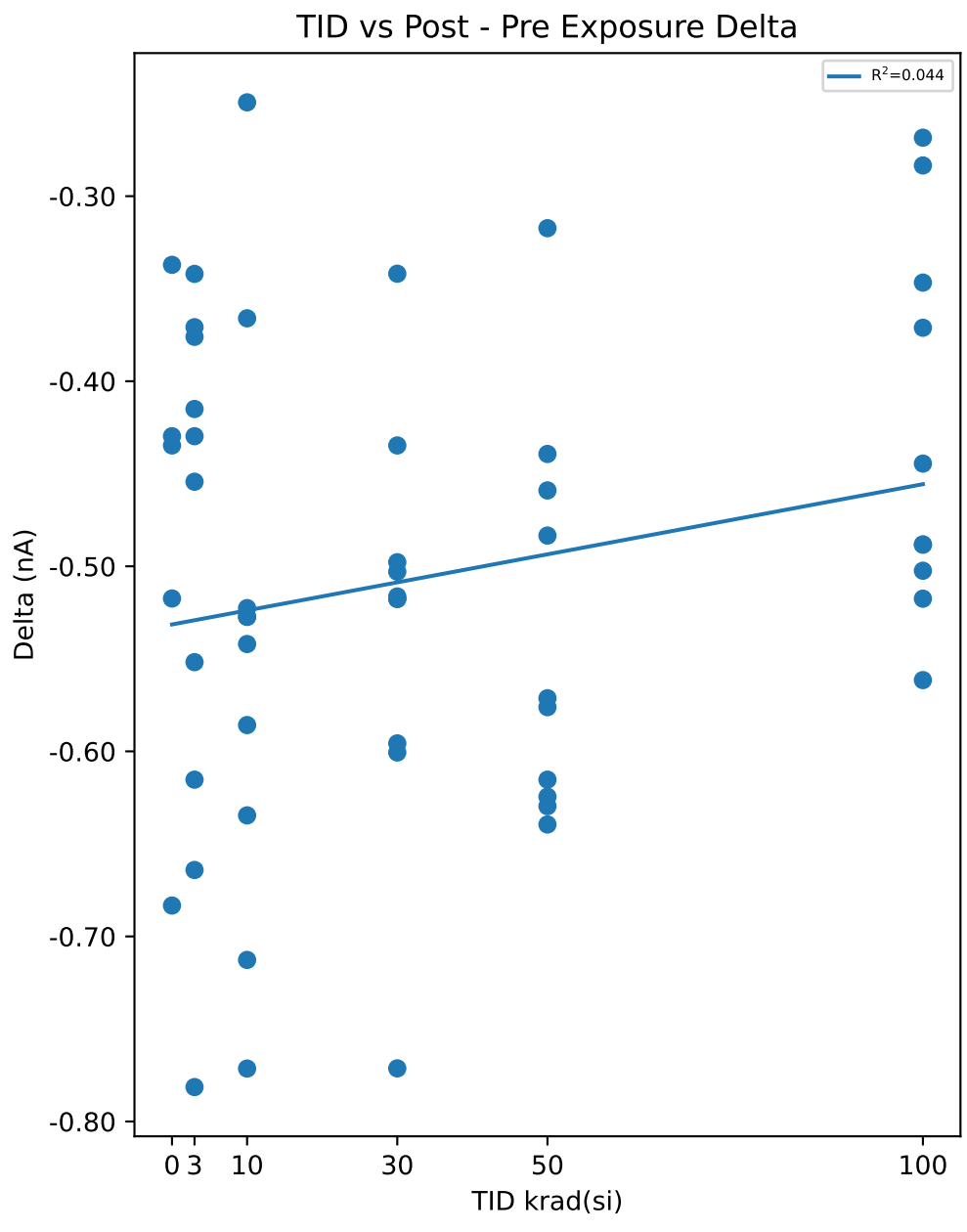
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	7.2088	6.6333	-0.5755
2	3	Biased	6.8285	6.1059	-0.7226
3	3	Biased	6.926	6.3647	-0.5613
4	3	Biased	6.887	6.3013	-0.5857
5	3	Biased	6.926	6.4233	-0.5027
6	3	Unbiased	6.7748	6.1792	-0.5956
7	3	Unbiased	6.7748	6.2817	-0.4931
8	3	Unbiased	6.8431	6.145	-0.6981
9	3	Unbiased	6.9357	6.438	-0.4977
10	3	Unbiased	6.8918	6.4722	-0.4196
11	10	Biased	6.8967	6.3599	-0.5368
12	10	Biased	6.848	6.3208	-0.5272
13	10	Biased	7.0869	6.3843	-0.7026
14	10	Biased	6.9065	6.2964	-0.6101
15	10	Biased	6.926	6.2866	-0.6394
16	10	Unbiased	6.7943	6.4185	-0.3758
17	10	Unbiased	6.7553	6.2036	-0.5517
18	10	Unbiased	7.1015	6.5454	-0.5561
19	10	Unbiased	6.9114	6.355	-0.5564
20	10	Unbiased	6.809	6.4331	-0.3759
21	30	Biased	6.8285	6.3452	-0.4833
22	30	Biased	6.965	6.3013	-0.6637
23	30	Biased	6.9309	6.2427	-0.6882
24	30	Biased	6.8333	6.311	-0.5223
25	30	Biased	6.7553	6.2915	-0.4638
26	30	Unbiased	6.8967	6.4429	-0.4538
27	30	Unbiased	7.4282	7.0094	-0.4188
28	30	Unbiased	6.7602	6.3599	-0.4003
29	30	Unbiased	6.9114	6.4185	-0.4929
30	30	Unbiased	6.8577	6.355	-0.5027
31	50	Biased	6.9406	6.3892	-0.5514
32	50	Biased	6.6139	6.4722	-0.1417
33	50	Biased	6.9065	6.6236	-0.2829
34	50	Biased	6.8577	6.2182	-0.6395
35	50	Biased	6.8285	6.4624	-0.3661
36	50	Unbiased	6.6432	6.5015	-0.1417
37	50	Unbiased	6.9114	6.4233	-0.4881
38	50	Unbiased	6.7602	6.4819	-0.2783
39	50	Unbiased	7.0284	6.6773	-0.3511
40	50	Unbiased	6.7261	6.4233	-0.3028
41	100	Biased	6.9357	6.4966	-0.4391
42	100	Biased	6.9016	6.4966	-0.405
43	100	Biased	6.7017	6.5112	-0.1905
44	100	Biased	6.7846	6.4819	-0.3027
45	100	Biased	6.848	6.4771	-0.3709
46	100	Unbiased	6.9601	6.4917	-0.4684
47	100	Unbiased	6.7505	6.3892	-0.3613
48	100	Unbiased	6.8772	6.5015	-0.3757
49	100	Unbiased	7.1454	6.6919	-0.4535
50	100	Unbiased	6.6627	6.2768	-0.3859
51	0	Correlation	7.0869	6.565	-0.5219
52	0	Correlation	6.7992	6.228	-0.5712
53	0	Correlation	6.7115	6.2475	-0.464
54	0	Correlation	6.9114	6.521	-0.3904
55	0	Correlation	6.6968	6.355	-0.3418

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	6.6968	6.8412	7.0869	0.16181	6.228	6.3833	6.565	0.15438	-0.5712	-0.45786	-0.3418	0.093549
3	6.7748	6.8996	7.2088	0.12379	6.1059	6.3345	6.6333	0.16463	-0.7226	-0.56519	-0.4196	0.093549
10	6.7553	6.9036	7.1015	0.11516	6.2036	6.3604	6.5454	0.093798	-0.7026	-0.5432	-0.3758	0.1032
30	6.7553	6.9167	7.4282	0.19246	6.2427	6.4077	7.0094	0.21954	-0.6882	-0.50898	-0.4003	0.095582
50	6.6139	6.8216	7.0284	0.13392	6.2182	6.4673	6.6773	0.1256	-0.6395	-0.35436	-0.1417	0.16403
100	6.6627	6.8567	7.1454	0.14179	6.2768	6.4814	6.6919	0.10358	-0.4684	-0.3753	-0.1905	0.081299

Device Test: 6.17; ILKG_SR_UVLO





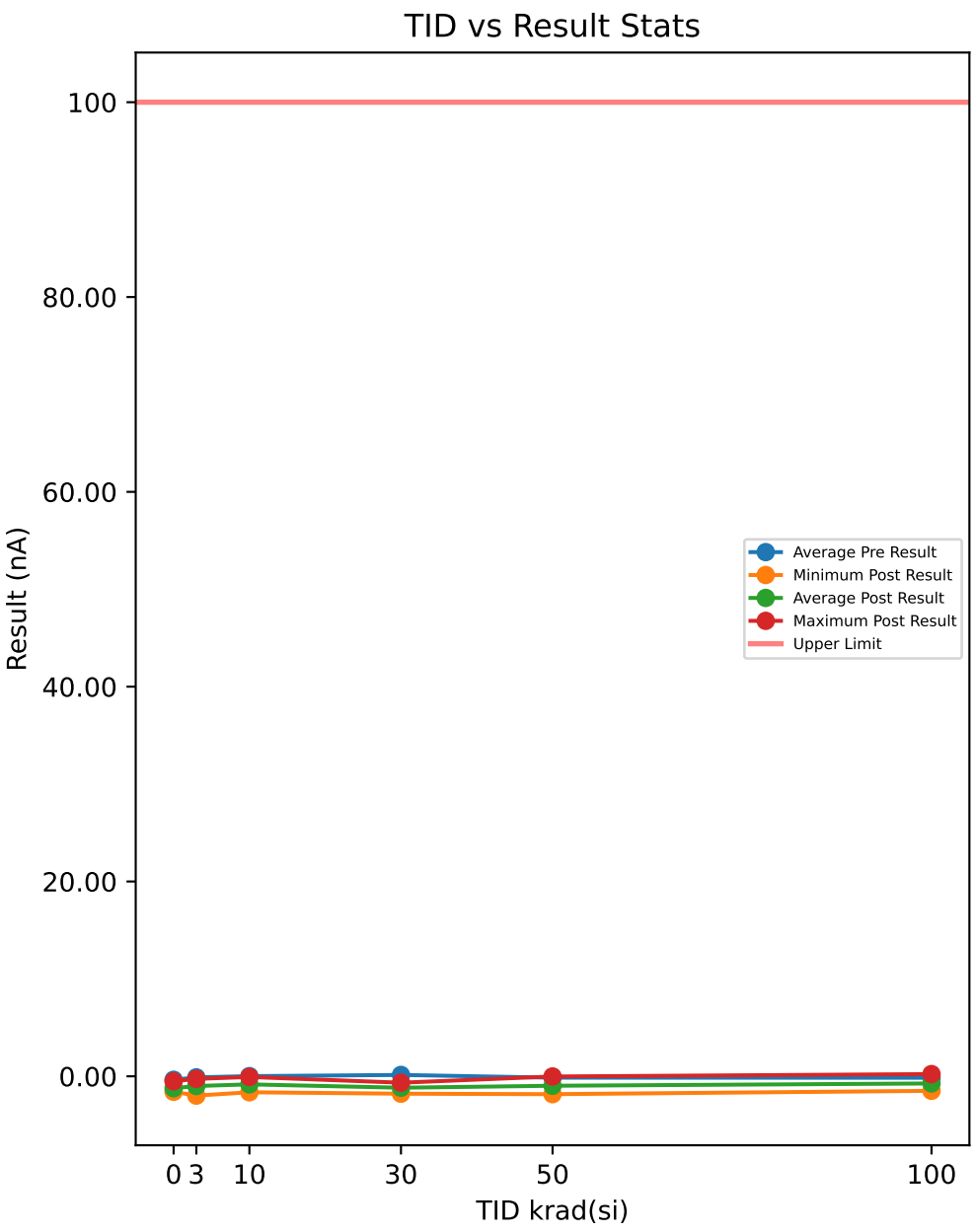
Test Results (Upper Limit = 100.0 (nA))

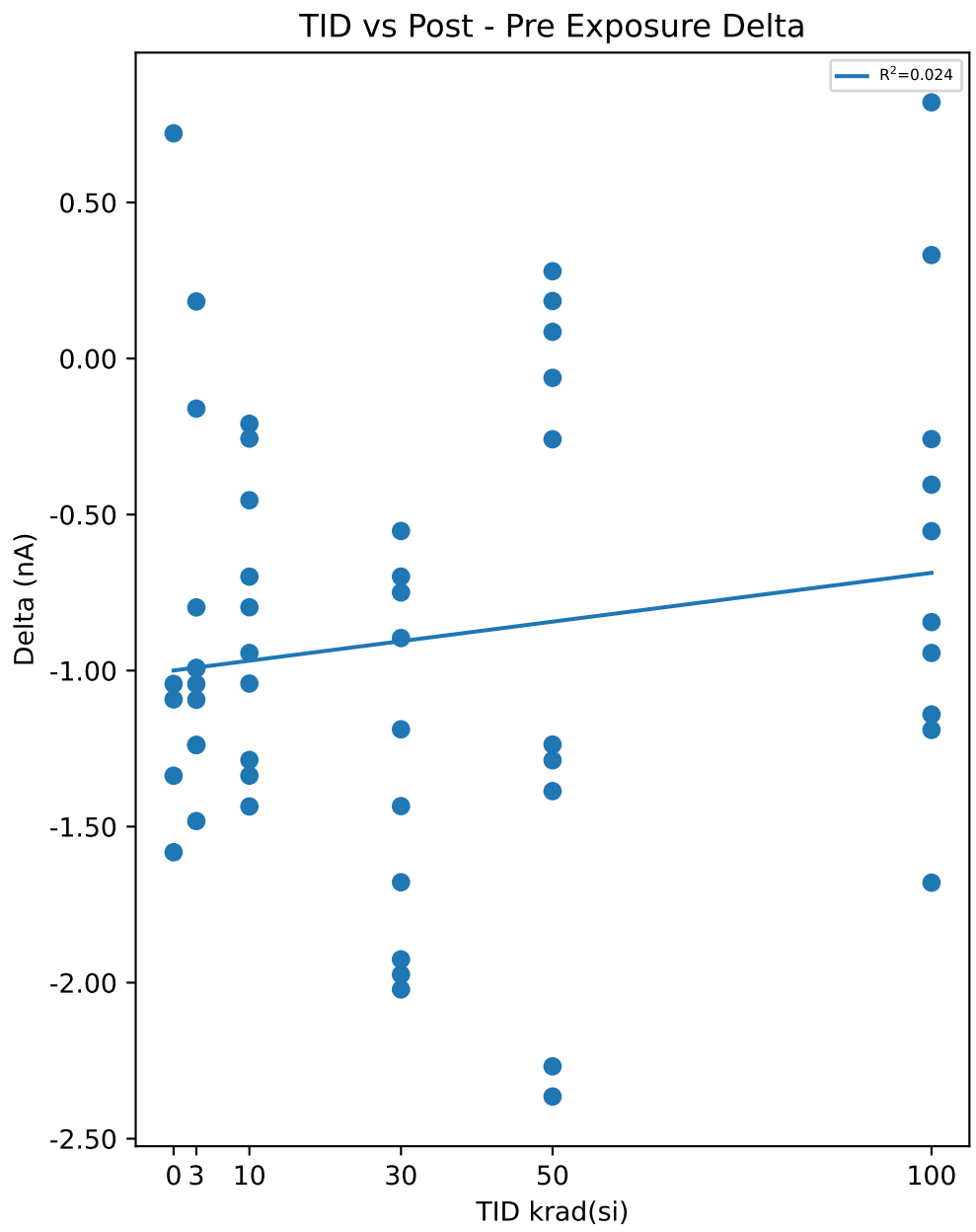
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	6.8772	6.5064	-0.3708
2	3	Biased	6.5847	6.2427	-0.342
3	3	Biased	6.731	5.9496	-0.7814
4	3	Biased	6.7212	6.1059	-0.6153
5	3	Biased	6.7797	6.3647	-0.415
6	3	Unbiased	6.7456	6.3159	-0.4297
7	3	Unbiased	6.7602	6.0961	-0.6641
8	3	Unbiased	6.6432	6.1889	-0.4543
9	3	Unbiased	6.7163	6.3403	-0.376
10	3	Unbiased	6.7407	6.1889	-0.5518
11	10	Biased	6.7943	6.2085	-0.5858
12	10	Biased	6.7895	6.2622	-0.5273
13	10	Biased	6.7797	6.2524	-0.5273
14	10	Biased	6.8577	6.2231	-0.6346
15	10	Biased	6.7261	6.1841	-0.542
16	10	Unbiased	6.8772	6.1645	-0.7127
17	10	Unbiased	6.5847	6.3354	-0.2493
18	10	Unbiased	6.8626	6.4966	-0.366
19	10	Unbiased	6.7992	6.0278	-0.7714
20	10	Unbiased	6.6822	6.1596	-0.5226
21	30	Biased	6.7651	6.1694	-0.5957
22	30	Biased	6.7602	6.1596	-0.6006
23	30	Biased	6.9309	6.1596	-0.7713
24	30	Biased	6.7651	6.2622	-0.5029
25	30	Biased	6.6822	6.2475	-0.4347
26	30	Unbiased	6.887	6.3892	-0.4978
27	30	Unbiased	7.5159	6.9996	-0.5163
28	30	Unbiased	6.8041	6.2866	-0.5175
29	30	Unbiased	6.6822	6.3403	-0.3419
30	30	Unbiased	6.6676	6.1499	-0.5177
31	50	Biased	6.8285	6.3892	-0.4393
32	50	Biased	6.7943	6.2182	-0.5761
33	50	Biased	6.9504	6.3208	-0.6296
34	50	Biased	6.6968	6.2378	-0.459
35	50	Biased	6.77	6.1987	-0.5713
36	50	Unbiased	6.7505	6.1352	-0.6153
37	50	Unbiased	6.7797	6.4624	-0.3173
38	50	Unbiased	6.7163	6.2329	-0.4834
39	50	Unbiased	7.043	6.4185	-0.6245
40	50	Unbiased	6.8382	6.1987	-0.6395
41	100	Biased	6.8431	6.5747	-0.2684
42	100	Biased	6.6188	6.3354	-0.2834
43	100	Biased	6.7505	6.3794	-0.3711
44	100	Biased	6.7066	6.3599	-0.3467
45	100	Biased	6.6725	6.228	-0.4445
46	100	Unbiased	6.7163	6.228	-0.4883
47	100	Unbiased	6.7895	6.228	-0.5615
48	100	Unbiased	6.7846	6.2671	-0.5175
49	100	Unbiased	7.0576	6.5552	-0.5024
50	100	Unbiased	6.8041	6.3159	-0.4882
51	0	Correlation	6.9406	6.2573	-0.6833
52	0	Correlation	6.6725	6.2378	-0.4347
53	0	Correlation	6.7358	6.3061	-0.4297
54	0	Correlation	6.8821	6.3647	-0.5174
55	0	Correlation	6.6091	6.272	-0.3371

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	6.6091	6.768	6.9406	0.13984	6.2378	6.2876	6.3647	0.04982	-0.6833	-0.48044	-0.3371	0.13013
3	6.5847	6.73	6.8772	0.077689	5.9496	6.2299	6.5064	0.15971	-0.7814	-0.50004	-0.342	0.14658
10	6.5847	6.7753	6.8772	0.090286	6.0278	6.2314	6.4966	0.12313	-0.7714	-0.5439	-0.2493	0.15264
30	6.6676	6.846	7.5159	0.25063	6.1499	6.3164	6.9996	0.2538	-0.7713	-0.52964	-0.3419	0.11267
50	6.6968	6.8168	7.043	0.10676	6.1352	6.2812	6.4624	0.10956	-0.6395	-0.53553	-0.3173	0.10663
100	6.6188	6.7744	7.0576	0.11985	6.228	6.3472	6.5747	0.12753	-0.5615	-0.4272	-0.2684	0.10281

Device Test: 6.18; ILKG_SENSE





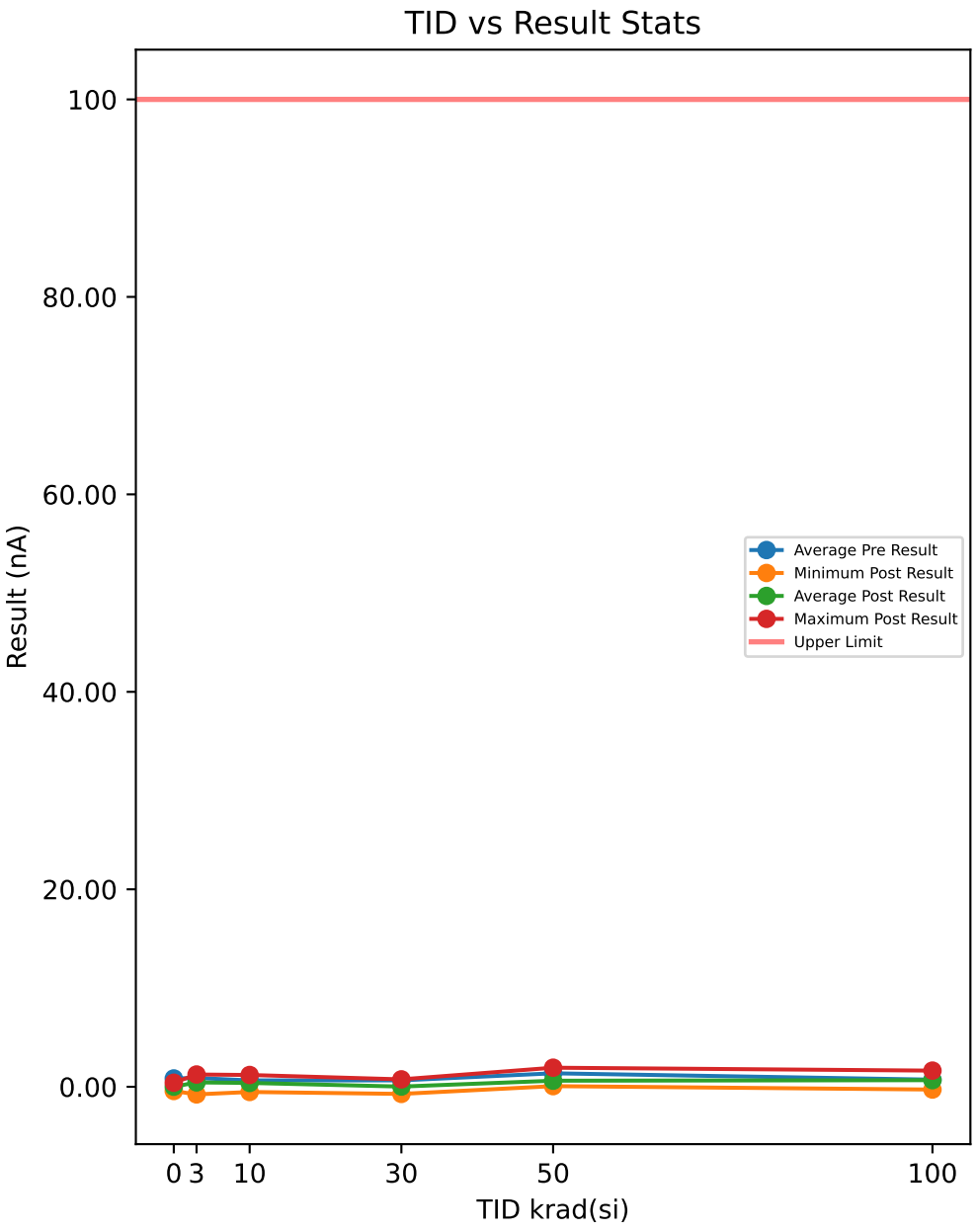
Test Results (Upper Limit = 100.0 (nA))

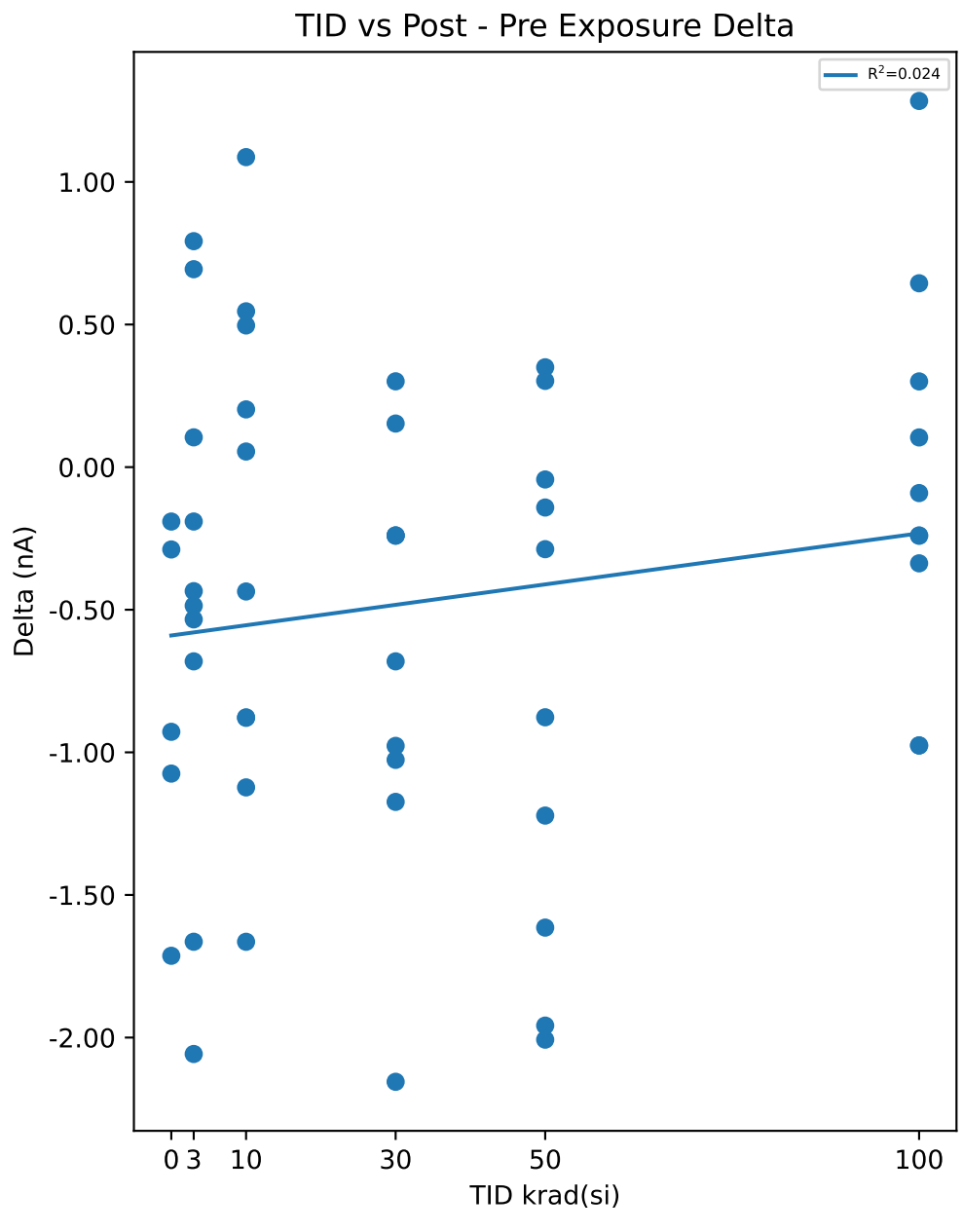
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	-0.3008	-1.0983	-0.7975
2	3	Biased	0.7274	-0.264	-0.9914
3	3	Biased	-0.7414	-0.5585	0.1829
4	3	Biased	-0.3497	-1.3928	-1.0431
5	3	Biased	0.7274	-0.7548	-1.4822
6	3	Unbiased	0.2868	-0.7057	-0.9925
7	3	Unbiased	-0.8883	-1.9817	-1.0934
8	3	Unbiased	0.2378	-1.0002	-1.238
9	3	Unbiased	-0.6925	-0.8529	-0.1604
10	3	Unbiased	-0.1049	-1.3437	-1.2388
11	10	Biased	0.042	-1.2946	-1.3366
12	10	Biased	-0.4477	-0.6566	-0.2089
13	10	Biased	0.2868	-0.7548	-1.0416
14	10	Biased	0.5316	-0.7548	-1.2864
15	10	Biased	-0.1049	-0.902	-0.7971
16	10	Unbiased	0.1888	-0.0677	-0.2565
17	10	Unbiased	-0.3008	-0.7548	-0.454
18	10	Unbiased	0.2868	-0.6566	-0.9434
19	10	Unbiased	-0.1049	-0.8038	-0.6989
20	10	Unbiased	-0.2029	-1.6382	-1.4353
21	30	Biased	-0.056	-0.7548	-0.6988
22	30	Biased	-0.4966	-1.0492	-0.5526
23	30	Biased	0.3847	-1.5891	-1.9738
24	30	Biased	0.8743	-1.1474	-2.0217
25	30	Biased	0.1399	-1.7854	-1.9253
26	30	Unbiased	0.1888	-1.2455	-1.4343
27	30	Unbiased	-0.2518	-1.1474	-0.8956
28	30	Unbiased	0.8254	-0.8529	-1.6783
29	30	Unbiased	-0.7414	-1.4909	-0.7495
30	30	Unbiased	0.5316	-0.6566	-1.1882
31	50	Biased	0.4337	-1.8345	-2.2682
32	50	Biased	1.0212	-1.3437	-2.3649
33	50	Biased	0.6785	-0.5585	-1.237
34	50	Biased	0.042	-1.2455	-1.2875
35	50	Biased	-0.5456	-0.6075	-0.0619
36	50	Unbiased	-0.2029	-1.5891	-1.3862
37	50	Unbiased	-1.378	-1.0983	0.2797
38	50	Unbiased	-0.7904	-1.0492	-0.2588
39	50	Unbiased	-0.4477	-0.3621	0.0856
40	50	Unbiased	-0.2029	-0.0186	0.1843
41	100	Biased	-0.1049	0.2268	0.3317
42	100	Biased	0.5805	-0.264	-0.8445
43	100	Biased	-0.056	-1.1965	-1.1405
44	100	Biased	0.2378	-0.7057	-0.9435
45	100	Biased	-0.7414	0.0796	0.821
46	100	Unbiased	-0.8394	-1.3928	-0.5534
47	100	Unbiased	-0.3008	-1.4909	-1.1901
48	100	Unbiased	-0.5456	-0.8038	-0.2582
49	100	Unbiased	-0.007	-0.4112	-0.4042
50	100	Unbiased	0.2868	-1.3928	-1.6796
51	0	Correlation	-0.3497	-1.4419	-1.0922
52	0	Correlation	-0.007	-1.5891	-1.5821
53	0	Correlation	-0.1539	-1.1965	-1.0426
54	0	Correlation	-0.056	-1.3928	-1.3368
55	0	Correlation	-1.2311	-0.5094	0.7217

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	-1.2311	-0.35954	-0.007	0.50458	-1.5891	-1.2259	-0.5094	0.42446	-1.5821	-0.8664	0.7217	0.91345
3	-0.8883	-0.10982	0.7274	0.58864	-1.9817	-0.99526	-0.264	0.48883	-1.4822	-0.88544	0.1829	0.51325
10	-0.4477	0.01748	0.5316	0.3047	-1.6382	-0.82839	-0.0677	0.41273	-1.4353	-0.84587	-0.2089	0.44231
30	-0.7414	0.13989	0.8743	0.53734	-1.7854	-1.1719	-0.6566	0.36744	-2.0217	-1.3118	-0.5526	0.57006
50	-1.378	-0.13921	1.0212	0.71518	-1.8345	-0.9707	-0.0186	0.57197	-2.3649	-0.83149	0.2797	1.0068
100	-0.8394	-0.149	0.5805	0.46072	-1.4909	-0.73513	0.2268	0.62987	-1.6796	-0.58613	0.821	0.74732

Device Test: 6.19; ILKG_SENSE





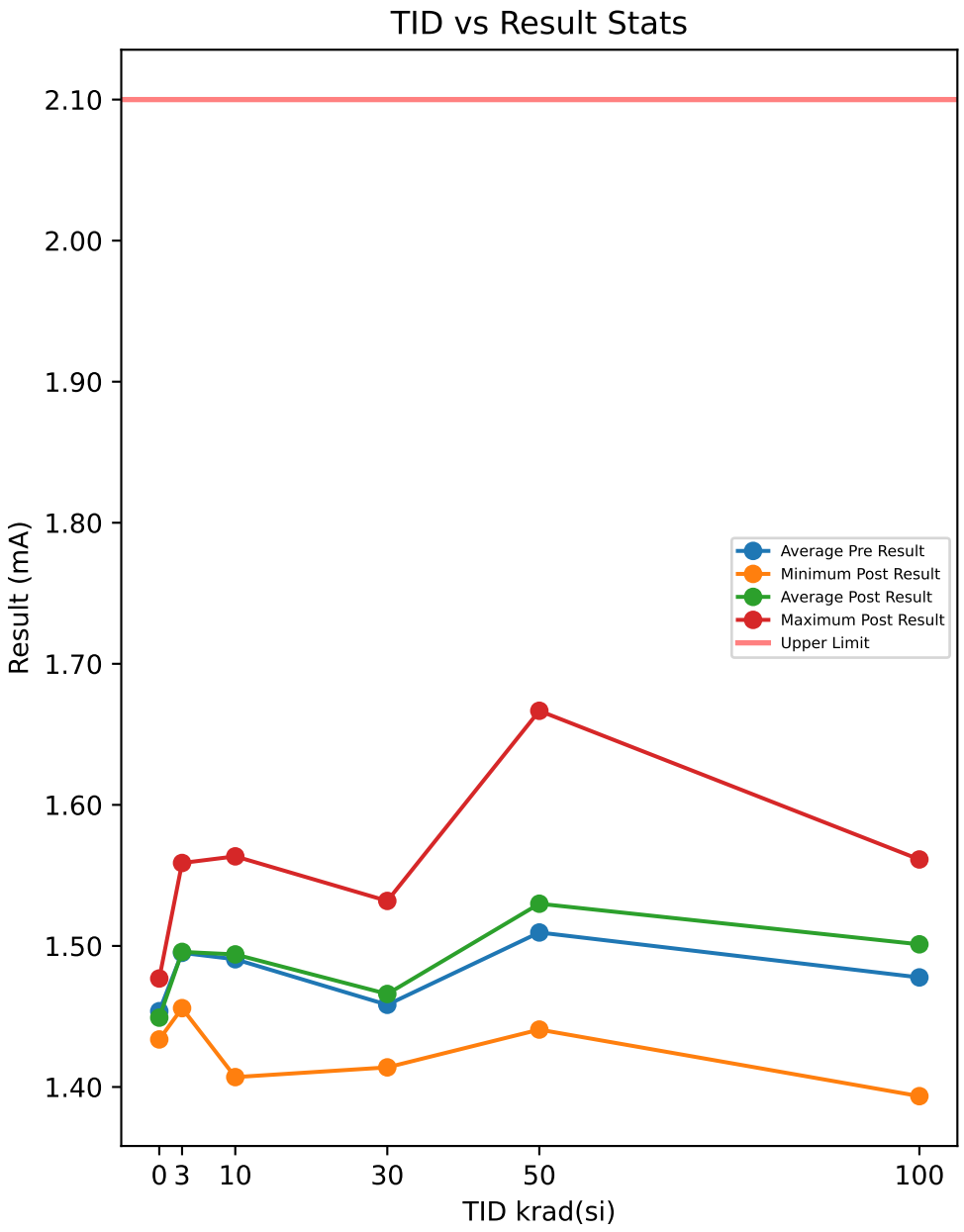
Test Results (Upper Limit = 100.0 (nA))

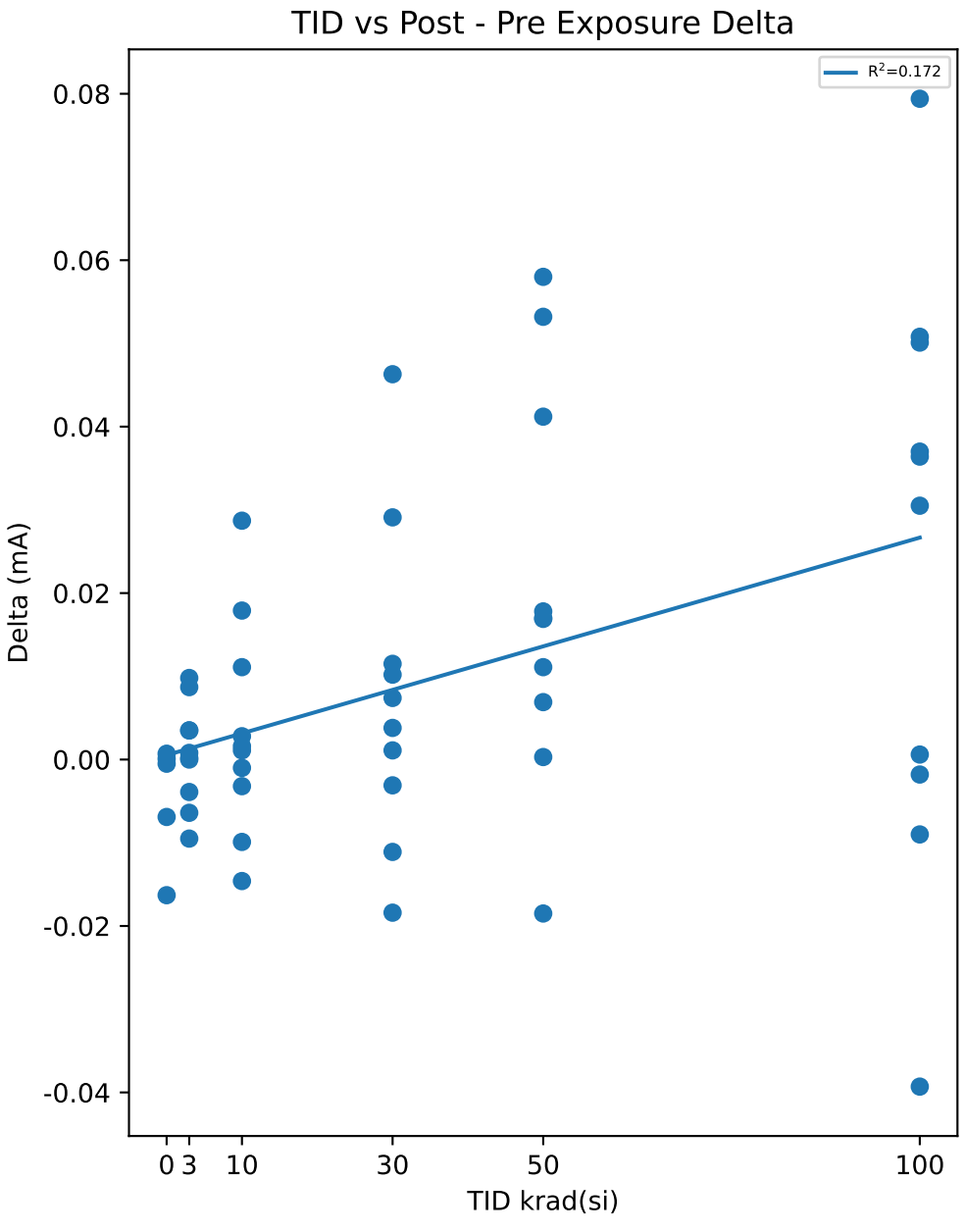
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.2873	-0.7703	-2.0576
2	3	Biased	1.68	1.2451	-0.4349
3	3	Biased	0.3054	1.0976	0.7922
4	3	Biased	1.3854	-0.2787	-1.6641
5	3	Biased	0.3054	0.9993	0.6939
6	3	Unbiased	1.2382	0.7044	-0.5338
7	3	Unbiased	0.6	0.7044	0.1044
8	3	Unbiased	0.4527	0.262	-0.1907
9	3	Unbiased	0.2563	-0.2296	-0.4859
10	3	Unbiased	1.3854	0.7044	-0.681
11	10	Biased	0.109	0.6552	0.5462
12	10	Biased	0.1581	0.2128	0.0547
13	10	Biased	0.109	1.1959	1.0869
14	10	Biased	1.6309	0.7535	-0.8774
15	10	Biased	1.3363	-0.3279	-1.6642
16	10	Unbiased	0.7963	0.3603	-0.436
17	10	Unbiased	1.8273	0.7044	-1.1229
18	10	Unbiased	-0.1364	0.3603	0.4967
19	10	Unbiased	0.3054	0.5078	0.2024
20	10	Unbiased	0.3545	-0.5245	-0.879
21	30	Biased	1.3854	0.7044	-0.681
22	30	Biased	0.6	-0.5737	-1.1737
23	30	Biased	0.2563	-0.7211	-0.9774
24	30	Biased	0.1581	-0.0821	-0.2402
25	30	Biased	0.4527	0.7535	0.3008
26	30	Unbiased	0.6	0.3603	-0.2397
27	30	Unbiased	0.06	0.2128	0.1528
28	30	Unbiased	1.8764	-0.2787	-2.1551
29	30	Unbiased	0.5509	-0.4754	-1.0263
30	30	Unbiased	0.5509	0.3111	-0.2398
31	50	Biased	1.4836	1.1959	-0.2877
32	50	Biased	2.0727	0.0654	-2.0073
33	50	Biased	1.7782	0.1637	-1.6145
34	50	Biased	1.6309	1.9333	0.3024
35	50	Biased	0.4036	0.3603	-0.0433
36	50	Unbiased	1.4345	0.2128	-1.2217
37	50	Unbiased	0.4527	0.8027	0.35
38	50	Unbiased	1.8273	0.9502	-0.8771
39	50	Unbiased	2.1218	0.1637	-1.9581
40	50	Unbiased	0.4527	0.3111	-0.1416
41	100	Biased	0.1581	0.8027	0.6446
42	100	Biased	1.5327	0.5569	-0.9758
43	100	Biased	-0.0382	-0.2787	-0.2405
44	100	Biased	1.14	0.8027	-0.3373
45	100	Biased	0.6491	0.4094	-0.2397
46	100	Unbiased	0.3545	1.6383	1.2838
47	100	Unbiased	1.4345	0.4586	-0.9759
48	100	Unbiased	0.3545	0.4586	0.1041
49	100	Unbiased	0.1581	0.4586	0.3005
50	100	Unbiased	1.4836	1.3926	-0.091
51	0	Correlation	0.6981	0.4094	-0.2887
52	0	Correlation	1.2382	0.1637	-1.0745
53	0	Correlation	0.4036	0.2128	-0.1908
54	0	Correlation	1.3854	-0.3279	-1.7133
55	0	Correlation	0.5018	-0.4262	-0.928

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	0.4036	0.84542	1.3854	0.44183	-0.4262	0.00636	0.4094	0.36354	-1.7133	-0.83906	-0.1908	0.62265
3	0.2563	0.88961	1.68	0.55322	-0.7703	0.44386	1.2451	0.67201	-2.0576	-0.44575	0.7922	0.90347
10	-0.1364	0.64904	1.8273	0.70651	-0.5245	0.38978	1.1959	0.51094	-1.6642	-0.25926	1.0869	0.87313
30	0.06	0.64907	1.8764	0.56308	-0.7211	0.02111	0.7535	0.52609	-2.1551	-0.62796	0.3008	0.73315
50	0.4036	1.3658	2.1218	0.67795	0.0654	0.61591	1.9333	0.60105	-2.0073	-0.74989	0.35	0.90843
100	-0.0382	0.72269	1.5327	0.61544	-0.2787	0.66997	1.6383	0.53849	-0.9759	-0.05272	1.2838	0.68952

Device Test: 6.2; ISD





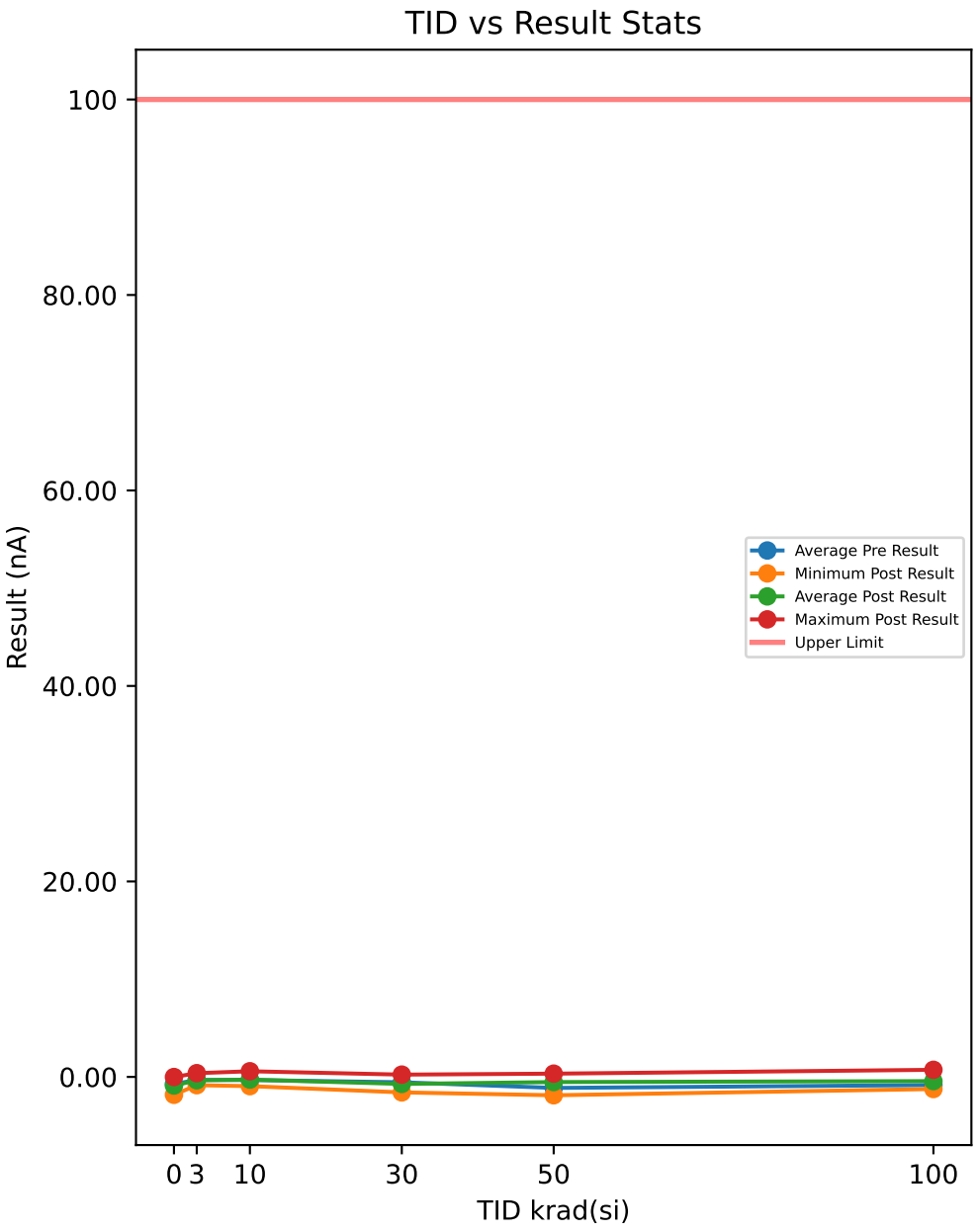
Test Results (Upper Limit = 2.1 (mA))

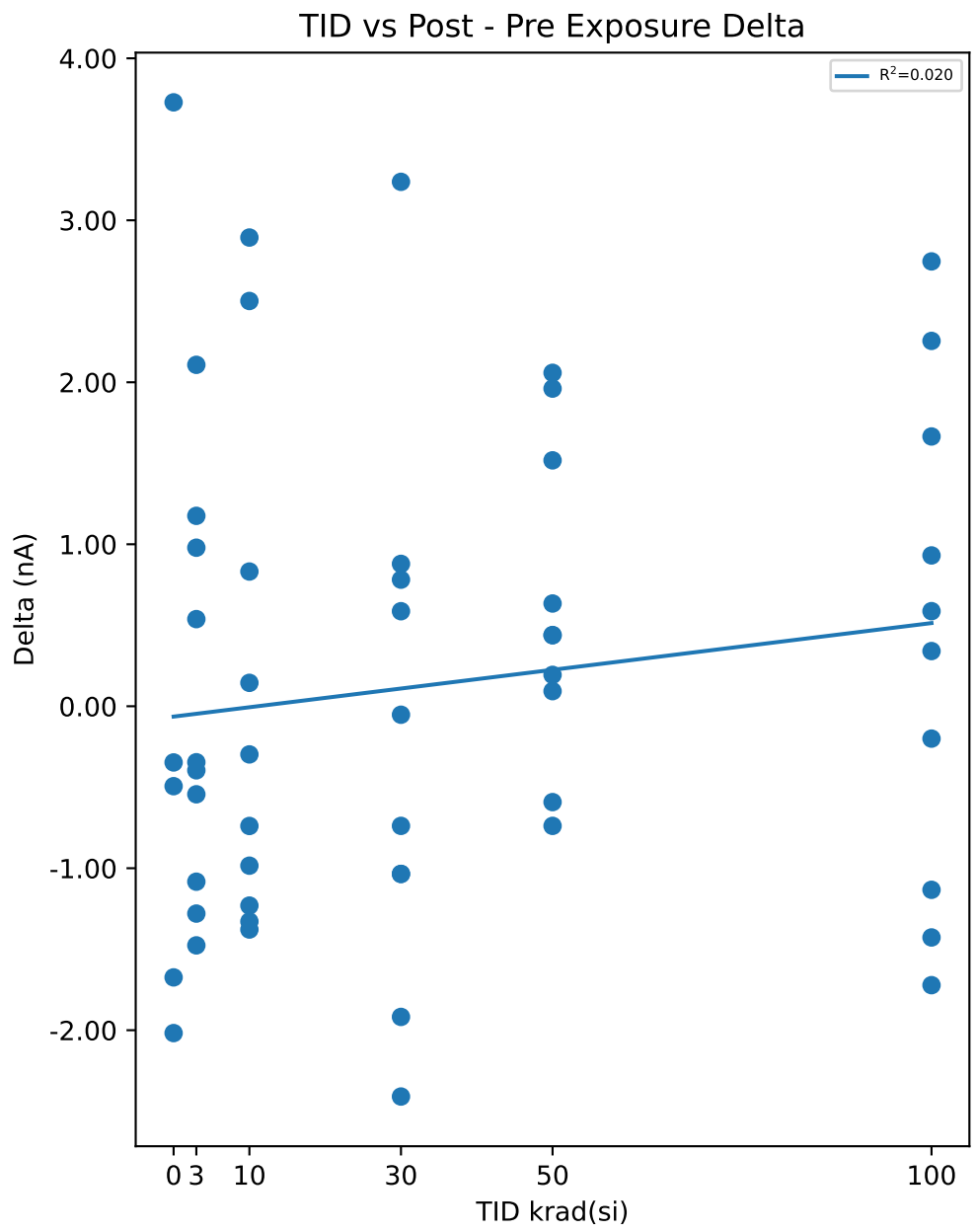
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.4673	1.4708	0.0035
2	3	Biased	1.4602	1.4602	0
3	3	Biased	1.4712	1.4799	0.0087
4	3	Biased	1.5365	1.527	-0.0095
5	3	Biased	1.5553	1.5588	0.0035
6	3	Unbiased	1.4598	1.4559	-0.0039
7	3	Unbiased	1.465	1.4652	0.0002
8	3	Unbiased	1.5311	1.5247	-0.0064
9	3	Unbiased	1.5032	1.504	0.0008
10	3	Unbiased	1.5014	1.5112	0.0098
11	10	Biased	1.5177	1.5356	0.0179
12	10	Biased	1.4478	1.4765	0.0287
13	10	Biased	1.4972	1.4983	0.0011
14	10	Biased	1.4545	1.4513	-0.0032
15	10	Biased	1.5362	1.5216	-0.0146
16	10	Unbiased	1.5296	1.5286	-0.001
17	10	Unbiased	1.4928	1.4829	-0.0099
18	10	Unbiased	1.4718	1.4746	0.0028
19	10	Unbiased	1.5619	1.5635	0.0016
20	10	Unbiased	1.3959	1.407	0.0111
21	30	Biased	1.4835	1.4873	0.0038
22	30	Biased	1.4341	1.4415	0.0074
23	30	Biased	1.4243	1.4345	0.0102
24	30	Biased	1.4935	1.5226	0.0291
25	30	Biased	1.4428	1.4244	-0.0184
26	30	Unbiased	1.4805	1.4694	-0.0111
27	30	Unbiased	1.4389	1.4358	-0.0031
28	30	Unbiased	1.4856	1.5319	0.0463
29	30	Unbiased	1.497	1.4981	0.0011
30	30	Unbiased	1.4024	1.4139	0.0115
31	50	Biased	1.5248	1.5426	0.0178
32	50	Biased	1.4411	1.4943	0.0532
33	50	Biased	1.5226	1.5638	0.0412
34	50	Biased	1.6087	1.6667	0.058
35	50	Biased	1.4612	1.4615	0.0003
36	50	Unbiased	1.543	1.5541	0.0111
37	50	Unbiased	1.4583	1.4752	0.0169
38	50	Unbiased	1.439	1.4459	0.0069
39	50	Unbiased	1.4592	1.4407	-0.0185
40	50	Unbiased	1.6374	1.6544	0.017
41	100	Biased	1.4331	1.4313	-0.0018
42	100	Biased	1.4582	1.5376	0.0794
43	100	Biased	1.4328	1.3935	-0.0393
44	100	Biased	1.4897	1.5202	0.0305
45	100	Biased	1.4867	1.5368	0.0501
46	100	Unbiased	1.4262	1.477	0.0508
47	100	Unbiased	1.4557	1.4921	0.0364
48	100	Unbiased	1.5243	1.5613	0.037
49	100	Unbiased	1.5301	1.5307	0.0006
50	100	Unbiased	1.5399	1.5309	-0.009
51	0	Correlation	1.4762	1.4769	0.0007
52	0	Correlation	1.4406	1.4337	-0.0069
53	0	Correlation	1.4528	1.4529	0.0001
54	0	Correlation	1.4576	1.4413	-0.0163
55	0	Correlation	1.4415	1.441	-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	1.4406	1.4537	1.4762	0.014515	1.4337	1.4492	1.4769	0.016962	-0.0163	-0.00458	0.0007	0.0072313
3	1.4598	1.4951	1.5553	0.035674	1.4559	1.4958	1.5588	0.03457	-0.0095	0.00067	0.0098	0.0061359
10	1.3959	1.4905	1.5619	0.049355	1.407	1.494	1.5635	0.045627	-0.0146	0.00345	0.0287	0.012834
30	1.4024	1.4583	1.497	0.033488	1.4139	1.4659	1.5319	0.042153	-0.0184	0.00768	0.0463	0.018793
50	1.439	1.5095	1.6374	0.070601	1.4407	1.5299	1.6667	0.081691	-0.0185	0.02039	0.058	0.023895
100	1.4262	1.4777	1.5399	0.04286	1.3935	1.5011	1.5613	0.053199	-0.0393	0.02347	0.0794	0.035182

Device Test: 6.20; ILKG_SENSE





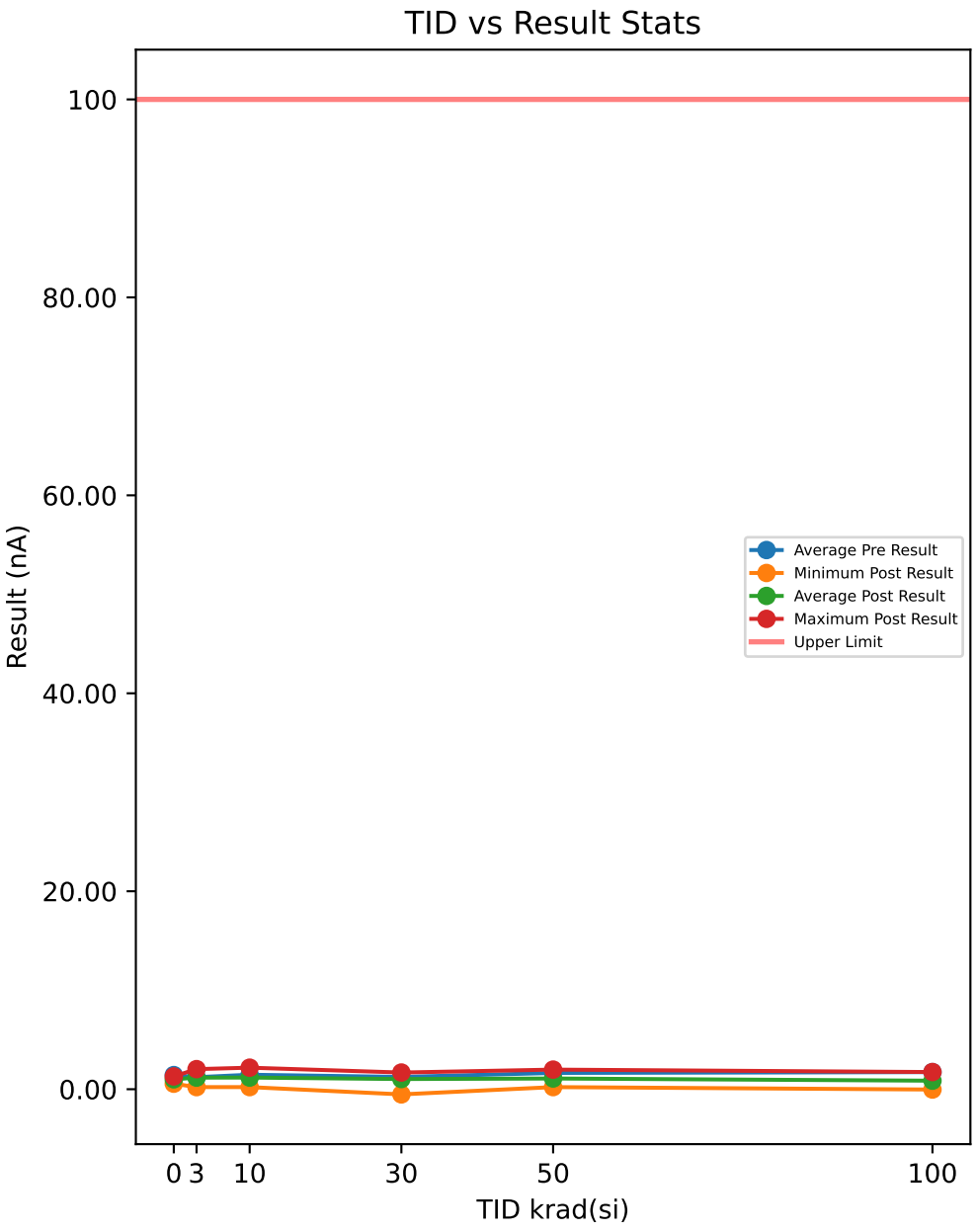
Test Results (Upper Limit = 100.0 (nA))

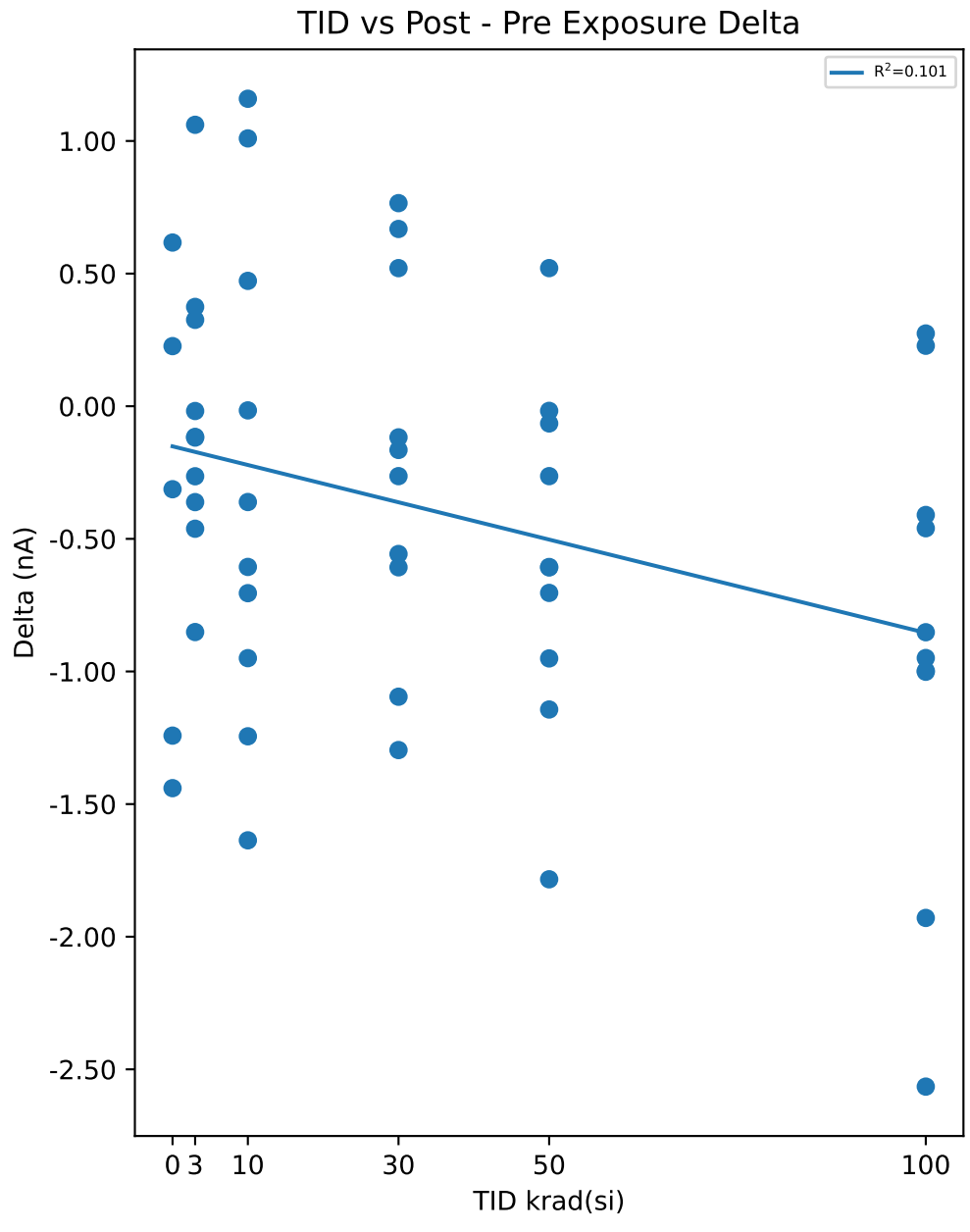
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	-2.6592	-0.5515	2.1077
2	3	Biased	0.7282	0.3824	-0.3458
3	3	Biased	0.7282	-0.7481	-1.4763
4	3	Biased	0.2373	-0.1583	-0.3956
5	3	Biased	-1.4319	-0.4532	0.9787
6	3	Unbiased	0.4336	-0.8465	-1.2801
7	3	Unbiased	-0.2046	0.3333	0.5379
8	3	Unbiased	-1.3828	-0.2074	1.1754
9	3	Unbiased	-0.2537	-0.7973	-0.5436
10	3	Unbiased	0.6791	-0.4041	-1.0832
11	10	Biased	-0.3518	-0.2074	0.1444
12	10	Biased	0.5809	-0.1583	-0.7392
13	10	Biased	0.09	-0.2074	-0.2974
14	10	Biased	-1.9228	0.5791	2.5019
15	10	Biased	-3.101	-0.2074	2.8936
16	10	Unbiased	0.5809	-0.7481	-1.329
17	10	Unbiased	-1.1373	-0.3057	0.8316
18	10	Unbiased	0.63	-0.6007	-1.2307
19	10	Unbiased	0.4336	-0.9448	-1.3784
20	10	Unbiased	1.0227	0.0384	-0.9843
21	30	Biased	-3.2483	-0.0108	3.2375
22	30	Biased	0.9736	0.235	-0.7386
23	30	Biased	-0.4991	0.0875	0.5866
24	30	Biased	1.3664	-0.5515	-1.9179
25	30	Biased	-0.45	-0.5024	-0.0524
26	30	Unbiased	-1.9719	-1.1905	0.7814
27	30	Unbiased	-0.2537	-1.2889	-1.0352
28	30	Unbiased	-2.4628	-1.5838	0.879
29	30	Unbiased	1.3173	-1.0922	-2.4095
30	30	Unbiased	-0.2537	-1.2889	-1.0352
31	50	Biased	-1.9719	-1.8787	0.0932
32	50	Biased	0.4827	-0.1091	-0.5918
33	50	Biased	-2.4628	-0.9448	1.518
34	50	Biased	-0.1064	0.3333	0.4397
35	50	Biased	0.9736	0.235	-0.7386
36	50	Unbiased	-1.2846	-0.8465	0.4381
37	50	Unbiased	-0.3028	-0.1091	0.1937
38	50	Unbiased	-2.0701	-0.1091	1.961
39	50	Unbiased	-1.7264	-1.0922	0.6342
40	50	Unbiased	-2.8065	-0.7481	2.0584
41	100	Biased	0.8755	-0.8465	-1.722
42	100	Biased	-2.4137	-0.1583	2.2554
43	100	Biased	0.5809	-0.8465	-1.4274
44	100	Biased	-2.5119	-0.8465	1.6654
45	100	Biased	-0.5482	-0.7481	-0.1999
46	100	Unbiased	-0.1064	-1.2397	-1.1333
47	100	Unbiased	-3.0519	-0.3057	2.7462
48	100	Unbiased	-0.2046	0.7265	0.9311
49	100	Unbiased	-0.2537	0.3333	0.587
50	100	Unbiased	-0.6955	-0.3549	0.3406
51	0	Correlation	0.4827	-0.0108	-0.4935
52	0	Correlation	-3.9356	-0.2074	3.7282
53	0	Correlation	-0.1064	-1.7804	-1.674
54	0	Correlation	-0.2537	-0.6007	-0.347
55	0	Correlation	0.1882	-1.8296	-2.0178

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	-3.9356	-0.72496	0.4827	1.8169	-1.8296	-0.88578	-0.0108	0.86577	-2.0178	-0.16082	3.7282	2.2917
3	-2.6592	-0.31258	0.7282	1.1513	-0.8465	-0.34507	0.3824	0.43709	-1.4763	-0.03249	2.1077	1.1843
10	-3.101	-0.31748	1.0227	1.3349	-0.9448	-0.27623	0.5791	0.42616	-1.3784	0.04125	2.8936	1.5675
30	-3.2483	-0.54822	1.3664	1.5857	-1.5838	-0.71865	0.235	0.65795	-2.4095	-0.17043	3.2375	1.6362
50	-2.8065	-1.1275	0.9736	1.3046	-1.8787	-0.52693	0.3333	0.69256	-0.7386	0.60059	2.0584	0.97235
100	-3.0519	-0.83295	0.8755	1.3547	-1.2397	-0.42864	0.7265	0.60482	-1.722	0.40431	2.7462	1.5428

Device Test: 6.21; ILKG_SENSE





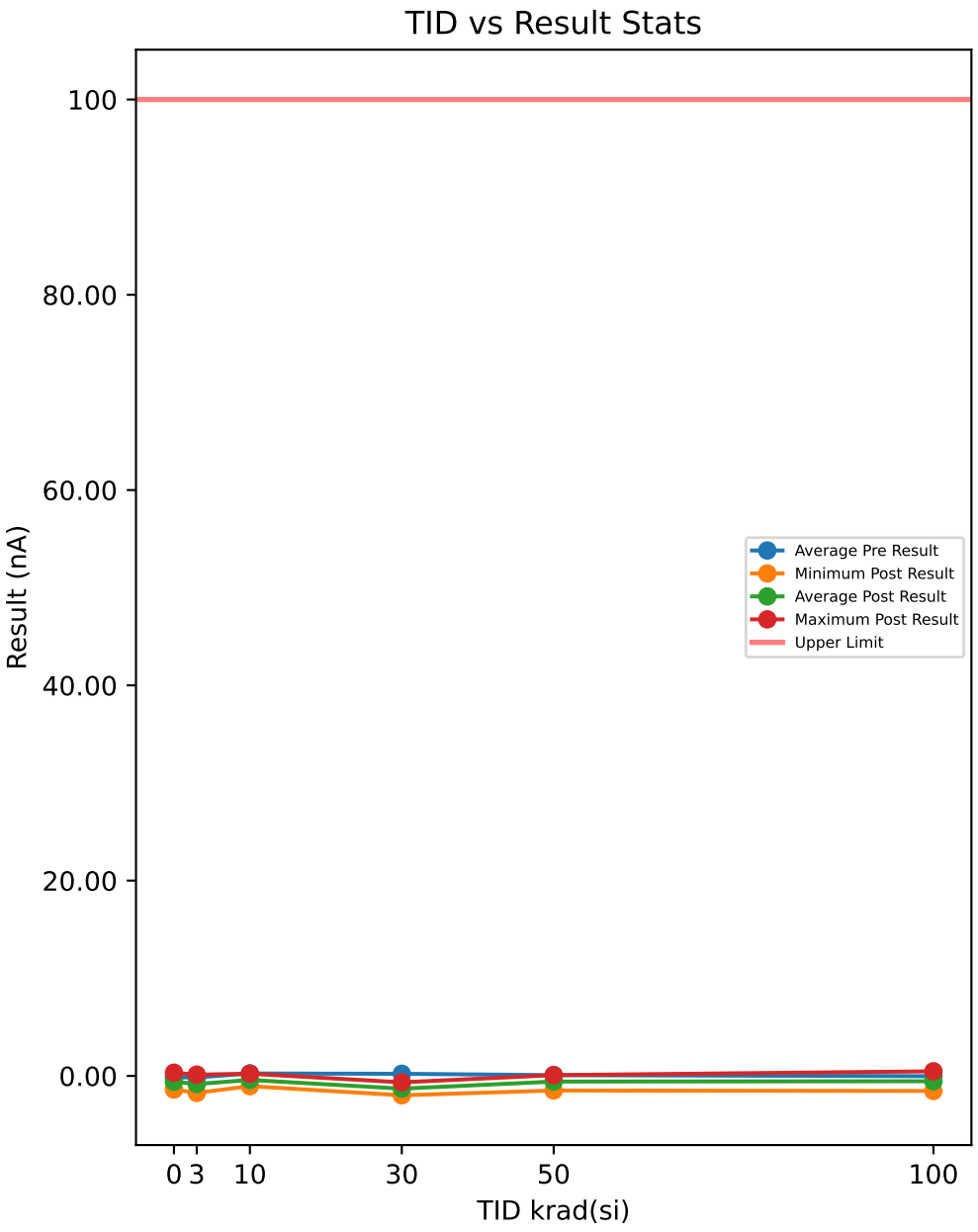
Test Results (Upper Limit = 100.0 (nA))

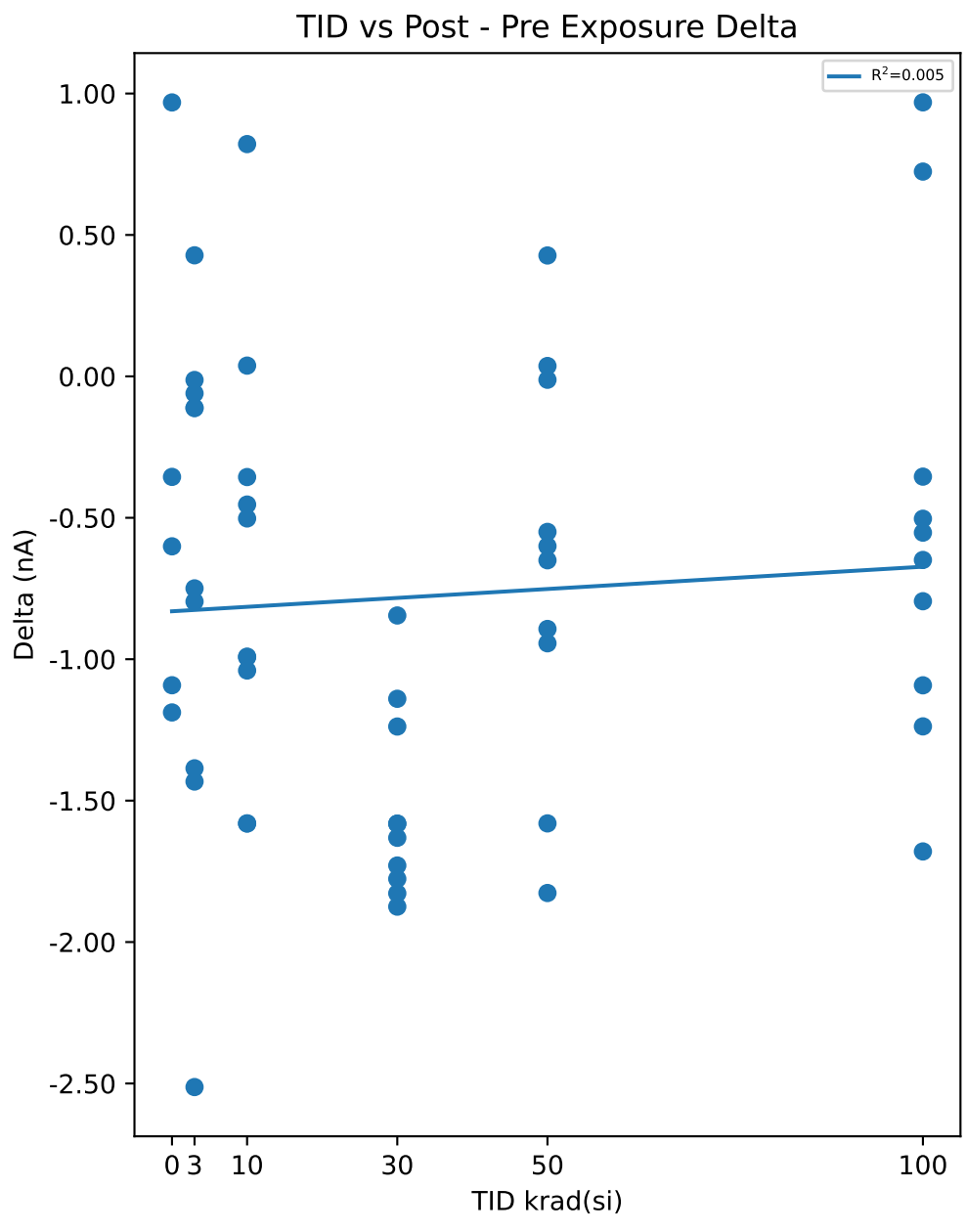
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.2136	1.588	0.3744
2	3	Biased	1.1647	0.9006	-0.2641
3	3	Biased	0.7242	0.606	-0.1182
4	3	Biased	0.9689	2.0299	1.061
5	3	Biased	0.6752	0.2133	-0.4619
6	3	Unbiased	1.3605	1.6862	0.3257
7	3	Unbiased	1.752	0.9006	-0.8514
8	3	Unbiased	1.3115	1.2934	-0.0181
9	3	Unbiased	1.5563	1.4407	-0.1156
10	3	Unbiased	1.4094	1.0479	-0.3615
11	10	Biased	1.2136	1.6862	0.4726
12	10	Biased	1.0179	2.1771	1.1592
13	10	Biased	0.2837	1.2934	1.0097
14	10	Biased	1.8499	0.2133	-1.6366
15	10	Biased	2.0947	2.079	-0.0157
16	10	Unbiased	1.6541	0.4097	-1.2444
17	10	Unbiased	1.752	1.1461	-0.6059
18	10	Unbiased	1.7031	0.7533	-0.9498
19	10	Unbiased	1.5563	0.8515	-0.7048
20	10	Unbiased	1.5073	1.1461	-0.3612
21	30	Biased	2.2904	1.1952	-1.0952
22	30	Biased	0.7242	1.4898	0.7656
23	30	Biased	1.3115	0.7042	-0.6073
24	30	Biased	1.0179	1.6862	0.6683
25	30	Biased	0.9689	0.8515	-0.1174
26	30	Unbiased	1.6541	1.097	-0.5571
27	30	Unbiased	0.7731	-0.5232	-1.2963
28	30	Unbiased	1.3115	1.0479	-0.2636
29	30	Unbiased	0.871	1.3916	0.5206
30	30	Unbiased	1.5073	1.3425	-0.1648
31	50	Biased	2.0457	1.9808	-0.0649
32	50	Biased	1.5073	1.4898	-0.0175
33	50	Biased	1.6541	1.0479	-0.6062
34	50	Biased	0.92	1.4407	0.5207
35	50	Biased	1.3115	1.0479	-0.2636
36	50	Unbiased	2.5841	1.4407	-1.1434
37	50	Unbiased	1.3605	0.4097	-0.9508
38	50	Unbiased	1.8499	1.1461	-0.7038
39	50	Unbiased	1.2136	0.606	-0.6076
40	50	Unbiased	1.9968	0.2133	-1.7835
41	100	Biased	1.5073	1.7353	0.228
42	100	Biased	2.5352	0.606	-1.9292
43	100	Biased	2.0947	1.097	-0.9977
44	100	Biased	1.3115	0.8515	-0.46
45	100	Biased	0.9689	-0.0322	-1.0011
46	100	Unbiased	1.8499	0.9006	-0.9493
47	100	Unbiased	3.2693	0.7042	-2.5651
48	100	Unbiased	1.6052	1.1952	-0.41
49	100	Unbiased	0.5773	0.8515	0.2742
50	100	Unbiased	1.5563	0.7042	-0.8521
51	0	Correlation	1.9968	0.5569	-1.4399
52	0	Correlation	2.4862	1.2443	-1.2419
53	0	Correlation	1.2626	0.9497	-0.3129
54	0	Correlation	1.0668	1.2934	0.2266
55	0	Correlation	0.3326	0.9497	0.6171

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	0.3326	1.429	2.4862	0.83682	0.5569	0.9988	1.2934	0.2946	-1.4399	-0.4302	0.6171	0.89726
3	0.6752	1.2136	1.752	0.34456	0.2133	1.1707	2.0299	0.54391	-0.8514	-0.04297	1.061	0.52913
10	0.2837	1.4633	2.0947	0.51512	0.2133	1.1756	2.1771	0.65756	-1.6366	-0.28769	1.1592	0.93587
30	0.7242	1.243	2.2904	0.48298	-0.5232	1.0283	1.6862	0.6194	-1.2963	-0.21472	0.7656	0.70806
50	0.92	1.6443	2.5841	0.48662	0.2133	1.0823	1.9808	0.54478	-1.7835	-0.56206	0.5207	0.65066
100	0.5773	1.7276	3.2693	0.77054	-0.0322	0.86133	1.7353	0.45284	-2.5651	-0.86623	0.2742	0.87748

Device Test: 6.22; ILKG_SENSE





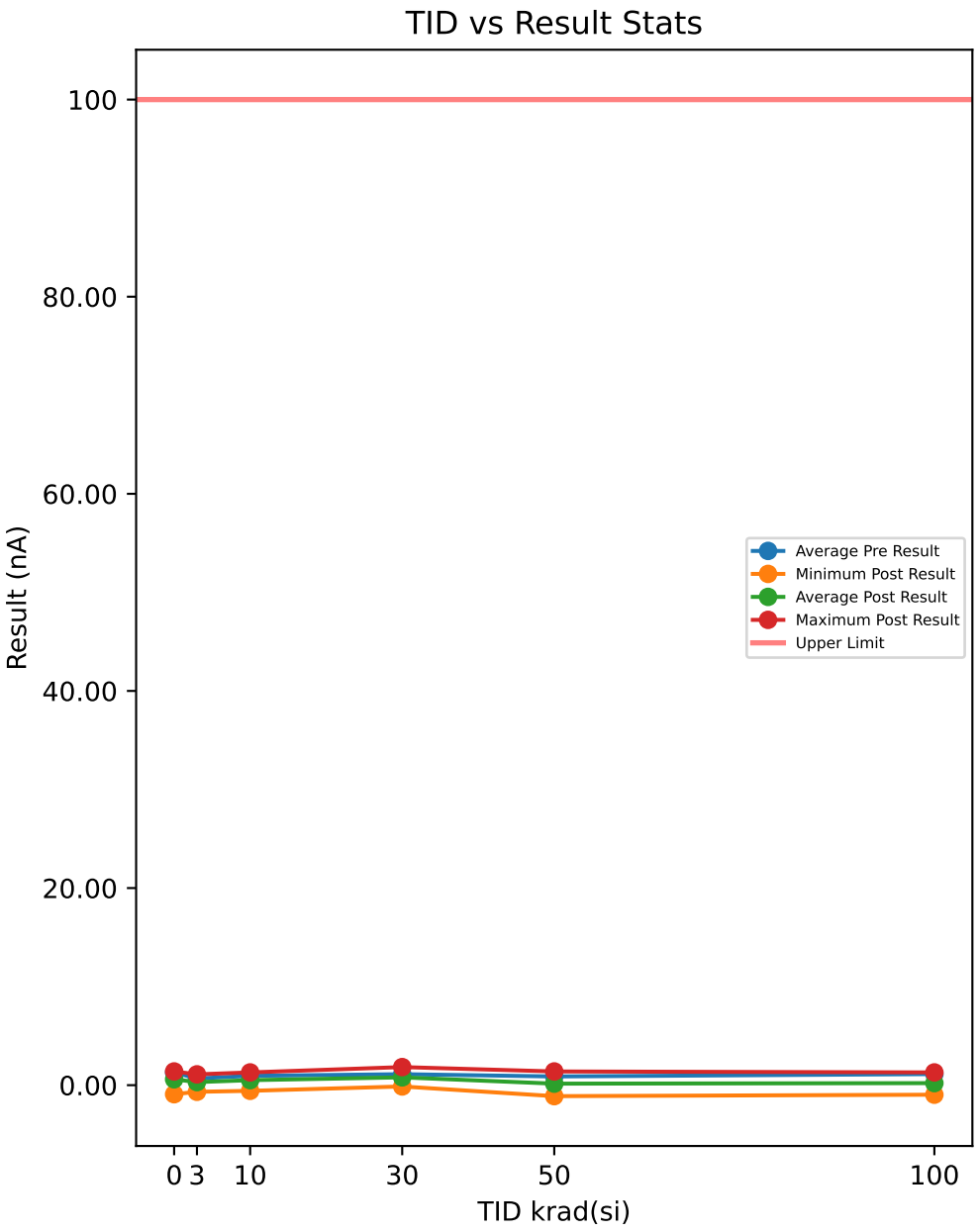
Test Results (Upper Limit = 100.0 (nA))

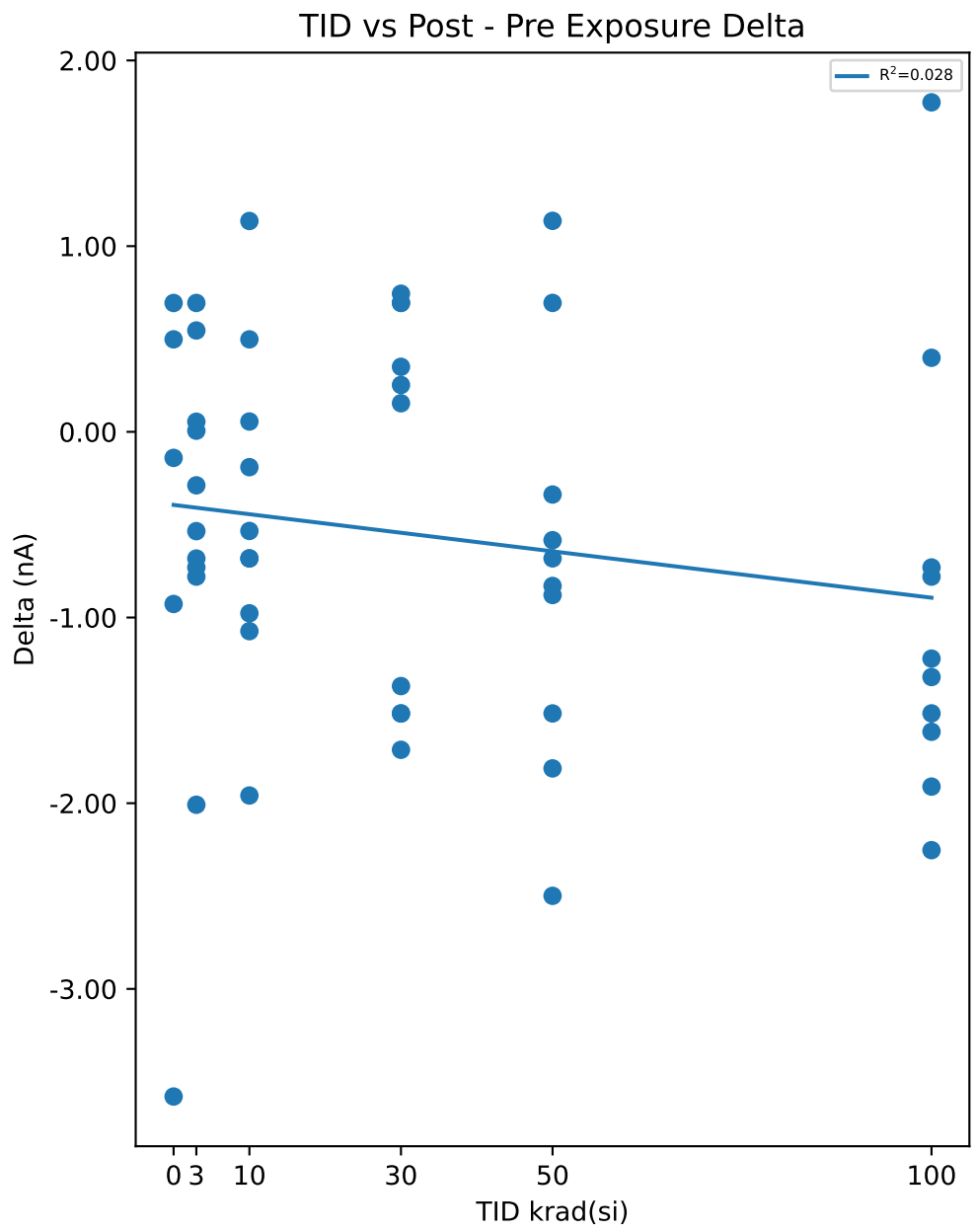
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	-0.8883	-0.4603	0.428
2	3	Biased	-0.7904	-1.54	-0.7496
3	3	Biased	0.1888	0.1286	-0.0602
4	3	Biased	-1.0352	-1.1474	-0.1122
5	3	Biased	0.7764	-1.7363	-2.5127
6	3	Unbiased	-0.007	-1.3928	-1.3858
7	3	Unbiased	-0.5456	-0.6566	-0.111
8	3	Unbiased	-0.4966	-0.5094	-0.0128
9	3	Unbiased	0.2868	-0.5094	-0.7962
10	3	Unbiased	0.9722	-0.4603	-1.4325
11	10	Biased	0.9233	-0.0677	-0.991
12	10	Biased	0.6785	-0.902	-1.5805
13	10	Biased	0.042	-0.4112	-0.4532
14	10	Biased	0.1888	0.2268	0.038
15	10	Biased	-0.3497	-0.7057	-0.356
16	10	Unbiased	0.9722	-0.0677	-1.0399
17	10	Unbiased	0.042	-0.4603	-0.5023
18	10	Unbiased	-0.6435	0.1777	0.8212
19	10	Unbiased	0.5316	-1.0492	-1.5808
20	10	Unbiased	0.1399	-0.8529	-0.9928
21	30	Biased	0.7274	-1.0492	-1.7766
22	30	Biased	0.1888	-0.6566	-0.8454
23	30	Biased	0.1888	-1.0492	-1.238
24	30	Biased	0.7274	-1.1474	-1.8748
25	30	Biased	0.1888	-1.3928	-1.5816
26	30	Unbiased	-0.056	-1.7854	-1.7294
27	30	Unbiased	-0.1049	-1.7363	-1.6314
28	30	Unbiased	0.2868	-1.2946	-1.5814
29	30	Unbiased	0.1888	-0.9511	-1.1399
30	30	Unbiased	-0.1539	-1.9817	-1.8278
31	50	Biased	0.1399	-0.4603	-0.6002
32	50	Biased	0.6785	-0.902	-1.5805
33	50	Biased	-0.2518	-0.902	-0.6502
34	50	Biased	-0.3497	-0.3131	0.0366
35	50	Biased	-0.2029	-0.2149	-0.012
36	50	Unbiased	0.6295	0.0796	-0.5499
37	50	Unbiased	-1.1331	-0.7057	0.4274
38	50	Unbiased	0.1399	-0.8038	-0.9437
39	50	Unbiased	0.8254	-0.0677	-0.8931
40	50	Unbiased	0.3357	-1.4909	-1.8266
41	100	Biased	-0.4477	-0.9511	-0.5034
42	100	Biased	0.1888	-1.4909	-1.6797
43	100	Biased	-0.4477	-1.0002	-0.5525
44	100	Biased	-0.4966	0.4722	0.9688
45	100	Biased	-0.4477	-1.54	-1.0923
46	100	Unbiased	0.2378	-0.1167	-0.3545
47	100	Unbiased	-0.2518	0.4722	0.724
48	100	Unbiased	0.1888	-0.4603	-0.6491
49	100	Unbiased	0.4337	-0.8038	-1.2375
50	100	Unbiased	0.7764	-0.0186	-0.795
51	0	Correlation	-0.3008	-1.3928	-1.092
52	0	Correlation	-0.6435	0.325	0.9685
53	0	Correlation	-0.2029	-0.8038	-0.6009
54	0	Correlation	-0.1049	-0.4603	-0.3554
55	0	Correlation	0.5316	-0.6566	-1.1882

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	-0.6435	-0.1441	0.5316	0.42881	-1.3928	-0.5977	0.325	0.62217	-1.1882	-0.4536	0.9685	0.86616
3	-1.0352	-0.15389	0.9722	0.70387	-1.7363	-0.82839	0.1286	0.59356	-2.5127	-0.6745	0.428	0.89097
10	-0.6435	0.25251	0.9722	0.52685	-1.0492	-0.41122	0.2268	0.46212	-1.5808	-0.66373	0.8212	0.73793
30	-0.1539	0.2182	0.7274	0.30637	-1.9817	-1.3044	-0.6566	0.41951	-1.8748	-1.5226	-0.8454	0.33818
50	-1.1331	0.08114	0.8254	0.59017	-1.4909	-0.57808	0.0796	0.47368	-1.8266	-0.65922	0.4274	0.70289
100	-0.4966	-0.0266	0.7764	0.45006	-1.54	-0.54372	0.4722	0.73492	-1.6797	-0.51712	0.9688	0.8214

Device Test: 6.23; ILKG_SENSE





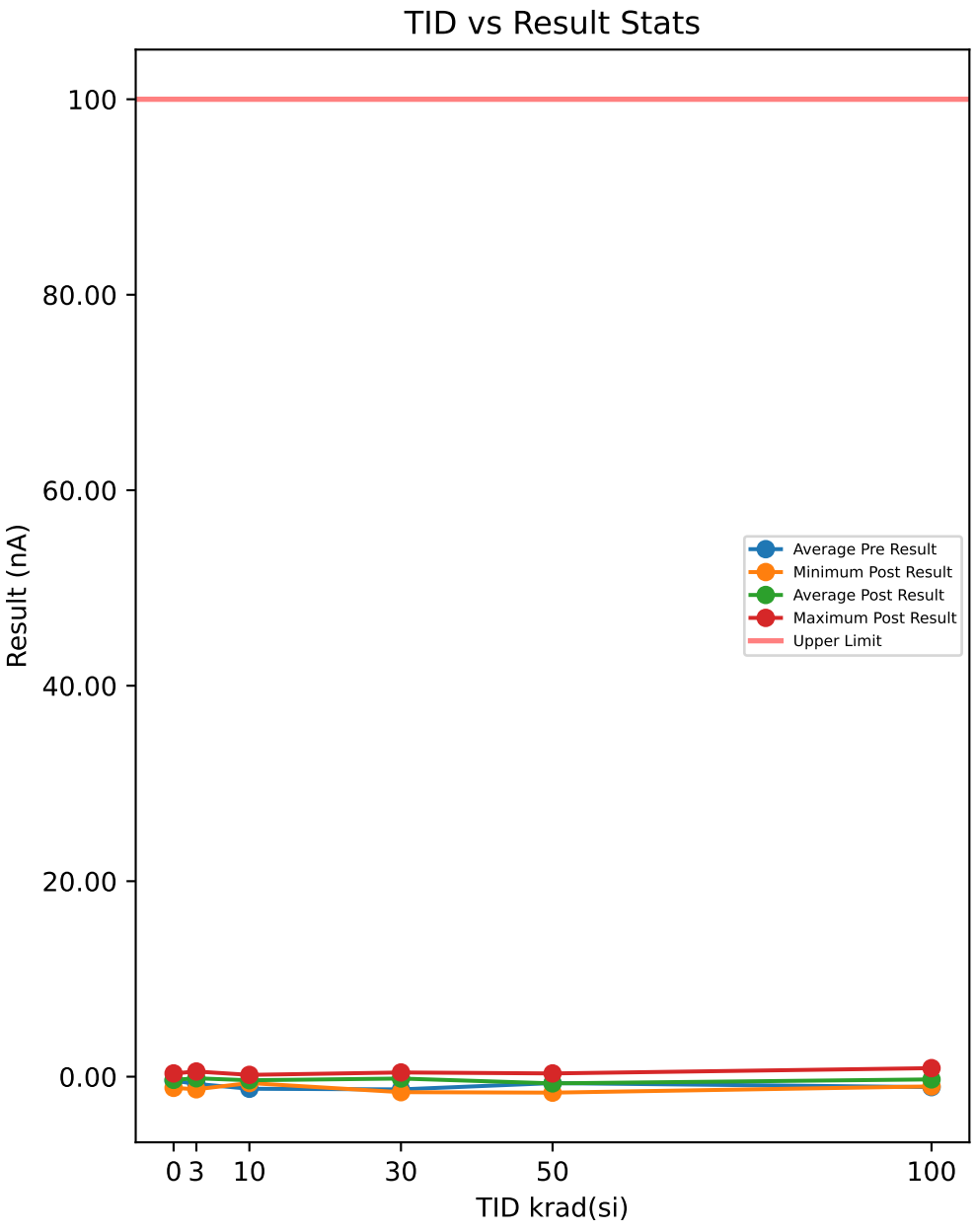
Test Results (Upper Limit = 100.0 (nA))

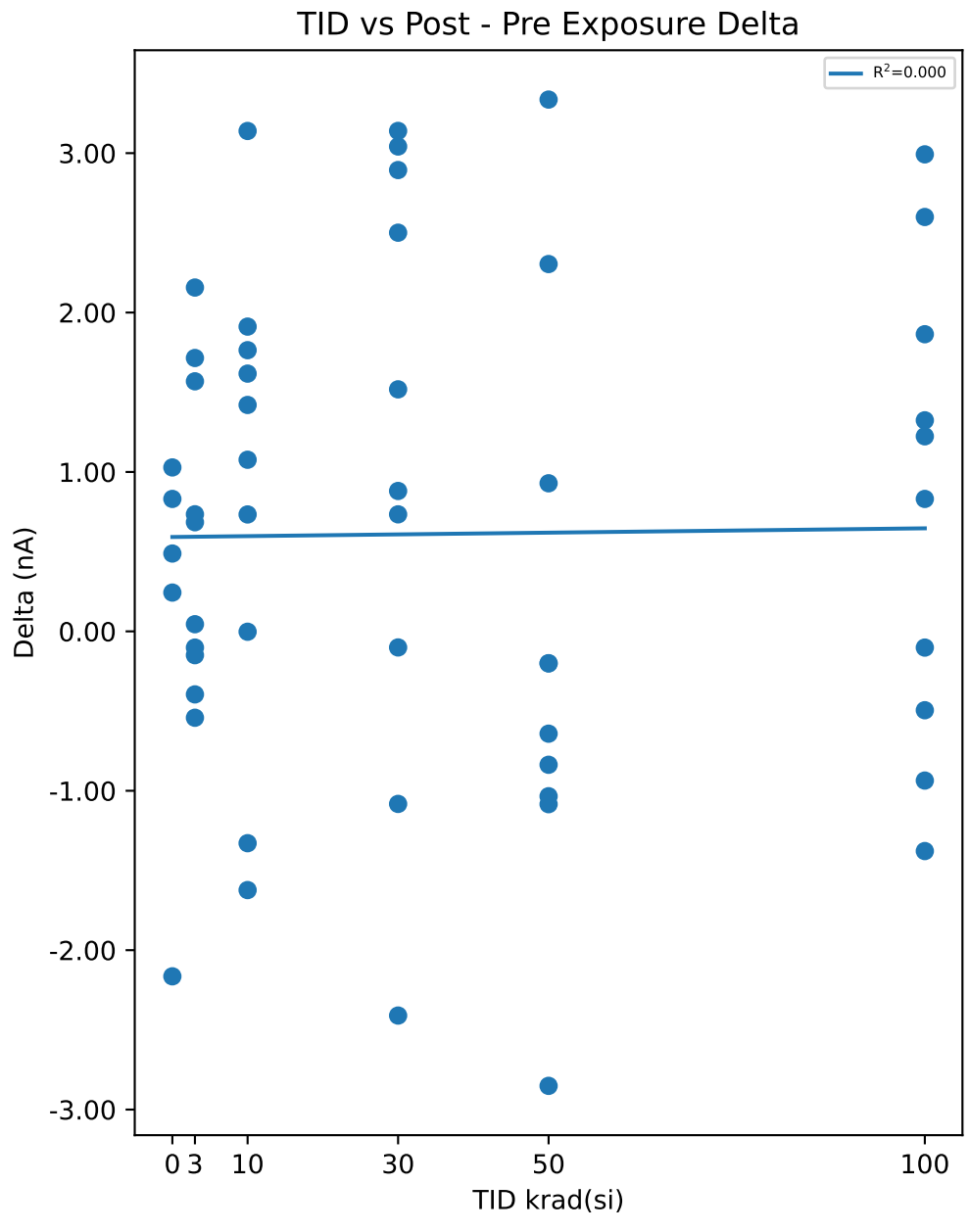
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	-0.1364	0.4094	0.5458
2	3	Biased	0.06	0.1145	0.0545
3	3	Biased	0.5018	-0.033	-0.5348
4	3	Biased	1.3363	-0.672	-2.0083
5	3	Biased	0.4036	-0.2787	-0.6823
6	3	Unbiased	1.4345	0.7044	-0.7301
7	3	Unbiased	1.14	0.3603	-0.7797
8	3	Unbiased	0.5509	0.5569	0.006
9	3	Unbiased	0.4036	1.0976	0.694
10	3	Unbiased	1.14	0.8519	-0.2881
11	10	Biased	1.9255	-0.033	-1.9585
12	10	Biased	0.7963	0.1145	-0.6818
13	10	Biased	0.7963	1.2943	0.498
14	10	Biased	0.7472	0.5569	-0.1903
15	10	Biased	1.1891	0.5078	-0.6813
16	10	Unbiased	2.0236	0.9502	-1.0734
17	10	Unbiased	1.2382	0.7044	-0.5338
18	10	Unbiased	-0.3819	0.7535	1.1354
19	10	Unbiased	0.7472	0.8027	0.0555
20	10	Unbiased	0.4036	-0.5737	-0.9773
21	30	Biased	1.3854	-0.1313	-1.5167
22	30	Biased	0.9927	1.2451	0.2524
23	30	Biased	1.14	1.835	0.695
24	30	Biased	0.8454	0.9993	0.1539
25	30	Biased	0.6491	0.9993	0.3502
26	30	Unbiased	0.8945	1.6383	0.7438
27	30	Unbiased	1.4345	-0.0821	-1.5166
28	30	Unbiased	0.3545	1.0485	0.694
29	30	Unbiased	2.0727	0.3603	-1.7124
30	30	Unbiased	1.3854	0.0162	-1.3692
31	50	Biased	0.6491	1.3434	0.6943
32	50	Biased	0.6981	-1.1144	-1.8125
33	50	Biased	0.6981	0.1145	-0.5836
34	50	Biased	0.2563	1.3926	1.1363
35	50	Biased	1.5327	0.0162	-1.5165
36	50	Unbiased	0.3054	-0.5245	-0.8299
37	50	Unbiased	0.5509	-0.3279	-0.8788
38	50	Unbiased	0.8454	0.5078	-0.3376
39	50	Unbiased	2.1709	-0.3279	-2.4988
40	50	Unbiased	1.14	0.4586	-0.6814
41	100	Biased	-0.4801	1.2943	1.7744
42	100	Biased	1.8273	0.3111	-1.5162
43	100	Biased	1.0909	-0.2296	-1.3205
44	100	Biased	1.2873	0.5569	-0.7304
45	100	Biased	1.7291	0.5078	-1.2213
46	100	Unbiased	0.1581	0.5569	0.3988
47	100	Unbiased	0.9436	-0.9669	-1.9105
48	100	Unbiased	1.0909	0.3111	-0.7798
49	100	Unbiased	1.2873	-0.3279	-1.6152
50	100	Unbiased	2.3182	0.0654	-2.2528
51	0	Correlation	0.2563	0.9502	0.6939
52	0	Correlation	0.8945	1.3926	0.4981
53	0	Correlation	1.1891	0.262	-0.9271
54	0	Correlation	1.4345	1.2943	-0.1402
55	0	Correlation	2.6618	-0.9178	-3.5796

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	0.2563	1.2872	2.6618	0.88569	-0.9178	0.59626	1.3926	0.95535	-3.5796	-0.69098	0.6939	1.7346
3	-0.1364	0.68343	1.4345	0.5452	-0.672	0.31113	1.0976	0.53848	-2.0083	-0.3723	0.694	0.77497
10	-0.3819	0.94851	2.0236	0.70289	-0.5737	0.50776	1.2943	0.53949	-1.9585	-0.44075	1.1354	0.86864
30	0.3545	1.1154	2.0727	0.48279	-0.1313	0.79286	1.835	0.71226	-1.7124	-0.32256	0.7438	1.0591
50	0.2563	0.88469	2.1709	0.58765	-1.1144	0.15384	1.3926	0.79728	-2.4988	-0.73085	1.1363	1.0873
100	-0.4801	1.1253	2.3182	0.80836	-0.9669	0.20791	1.2943	0.61591	-2.2528	-0.91735	1.7744	1.1973

Device Test: 6.24; ILKG_SENSE





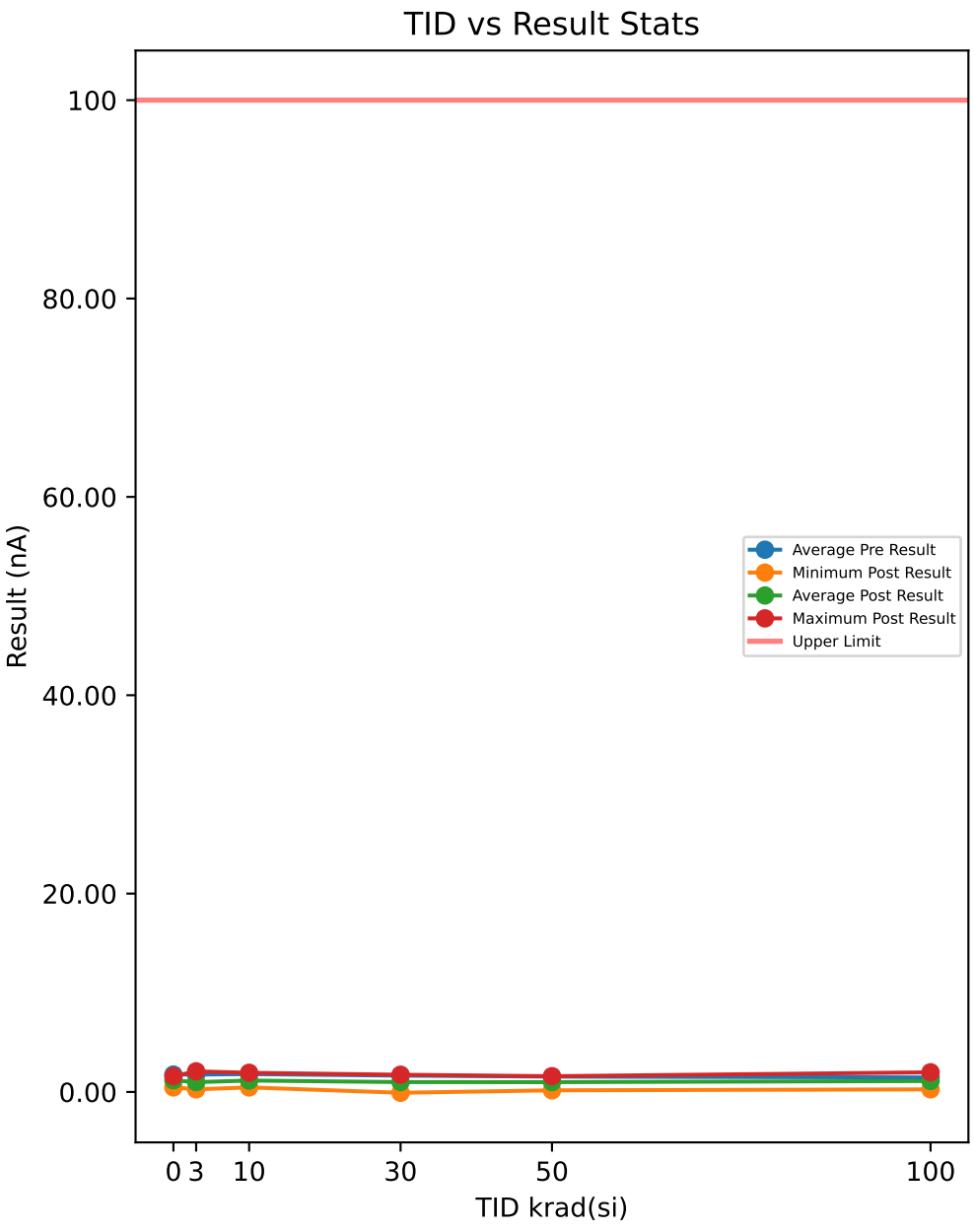
Test Results (Upper Limit = 100.0 (nA))

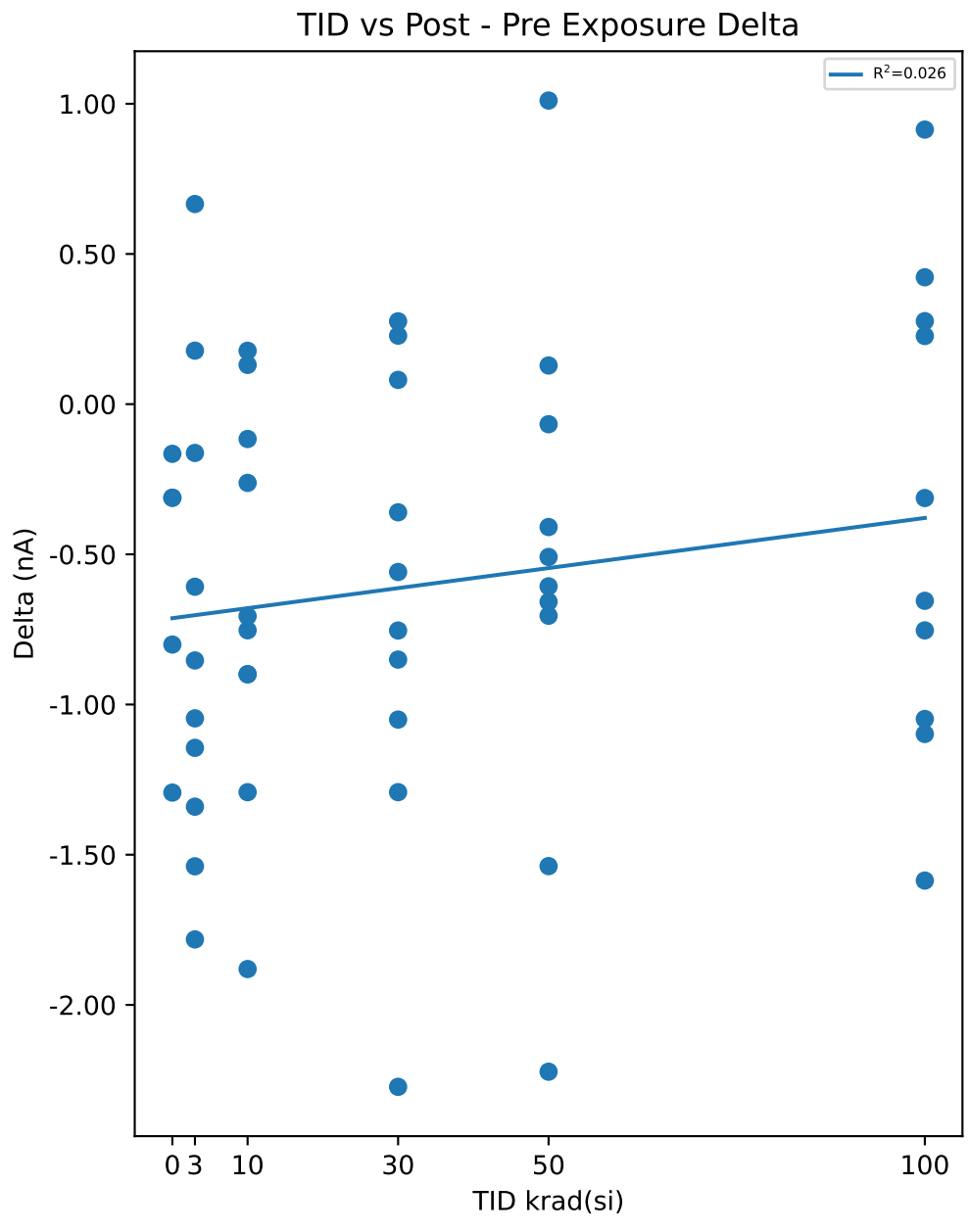
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	-1.3337	-1.2889	0.0448
2	3	Biased	1.0718	0.5299	-0.5419
3	3	Biased	-2.2173	-0.5024	1.7149
4	3	Biased	-0.2537	0.4808	0.7345
5	3	Biased	-0.7446	-0.06	0.6846
6	3	Unbiased	-2.6101	-0.4532	2.1569
7	3	Unbiased	-0.6955	-0.7973	-0.1018
8	3	Unbiased	0.3354	-0.06	-0.3954
9	3	Unbiased	0.5318	0.3824	-0.1494
10	3	Unbiased	-1.4319	0.1367	1.5686
11	10	Biased	-2.0701	-0.1583	1.9118
12	10	Biased	-2.0701	-0.6498	1.4203
13	10	Biased	0.6791	-0.6498	-1.3289
14	10	Biased	-2.021	-0.4041	1.6169
15	10	Biased	-2.3646	-0.6007	1.7639
16	10	Unbiased	-1.6773	-0.6007	1.0766
17	10	Unbiased	0.1882	0.1858	-0.0024
18	10	Unbiased	1.3173	-0.3057	-1.623
19	10	Unbiased	-0.99	-0.2566	0.7334
20	10	Unbiased	-3.3465	-0.2074	3.1391
21	30	Biased	-2.9537	0.1858	3.1395
22	30	Biased	-2.6101	-0.1091	2.501
23	30	Biased	-1.1373	-0.2566	0.8807
24	30	Biased	-2.3155	-0.7973	1.5182
25	30	Biased	-0.4991	0.235	0.7341
26	30	Unbiased	1.1209	0.0384	-1.0825
27	30	Unbiased	-2.6101	0.4316	3.0417
28	30	Unbiased	0.8264	-1.5838	-2.4102
29	30	Unbiased	-2.8065	0.0875	2.894
30	30	Unbiased	-0.0082	-0.1091	-0.1009
31	50	Biased	-0.4009	-0.6007	-0.1998
32	50	Biased	-0.2046	-0.8465	-0.6419
33	50	Biased	-3.0028	0.3333	3.3361
34	50	Biased	1.8573	-0.9939	-2.8512
35	50	Biased	-0.1064	-1.1905	-1.0841
36	50	Unbiased	0.9736	0.1367	-0.8369
37	50	Unbiased	0.3354	-0.699	-1.0344
38	50	Unbiased	-1.9228	-0.9939	0.9289
39	50	Unbiased	-1.4319	-1.633	-0.2011
40	50	Unbiased	-2.6592	-0.3549	2.3043
41	100	Biased	0.4336	-0.5024	-0.936
42	100	Biased	-2.7574	0.235	2.9924
43	100	Biased	0.5318	-0.8465	-1.3783
44	100	Biased	-1.6773	-0.8465	0.8308
45	100	Biased	-0.4991	-0.9939	-0.4948
46	100	Unbiased	-0.6955	-0.7973	-0.1018
47	100	Unbiased	-0.99	0.874	1.864
48	100	Unbiased	-0.4991	0.8248	1.3239
49	100	Unbiased	-2.4137	0.1858	2.5995
50	100	Unbiased	-2.1192	-0.8956	1.2236
51	0	Correlation	-0.99	0.0384	1.0284
52	0	Correlation	0.09	0.3333	0.2433
53	0	Correlation	1.0227	-1.1414	-2.1641
54	0	Correlation	-0.4991	-0.0108	0.4883
55	0	Correlation	-1.6773	-0.8465	0.8308

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	-1.6773	-0.41074	1.0227	1.0311	-1.1414	-0.3254	0.3333	0.63297	-2.1641	0.08534	1.0284	1.2935
3	-2.6101	-0.73478	1.0718	1.1928	-1.2889	-0.1632	0.5299	0.59372	-0.5419	0.57158	2.1569	0.95913
10	-3.3465	-1.2355	1.3173	1.4984	-0.6498	-0.36473	0.1858	0.27102	-1.623	0.87077	3.1391	1.482
30	-2.9537	-1.2993	1.1209	1.5701	-1.5838	-0.18776	0.4316	0.59314	-2.4102	1.1116	3.1395	1.8854
50	-3.0028	-0.65623	1.8573	1.5724	-1.633	-0.68424	0.3333	0.59624	-2.8512	-0.02801	3.3361	1.7908
100	-2.7574	-1.0686	0.5318	1.1425	-0.9939	-0.27626	0.874	0.7365	-1.3783	0.79233	2.9924	1.4862

Device Test: 6.25; ILKG_SENSE





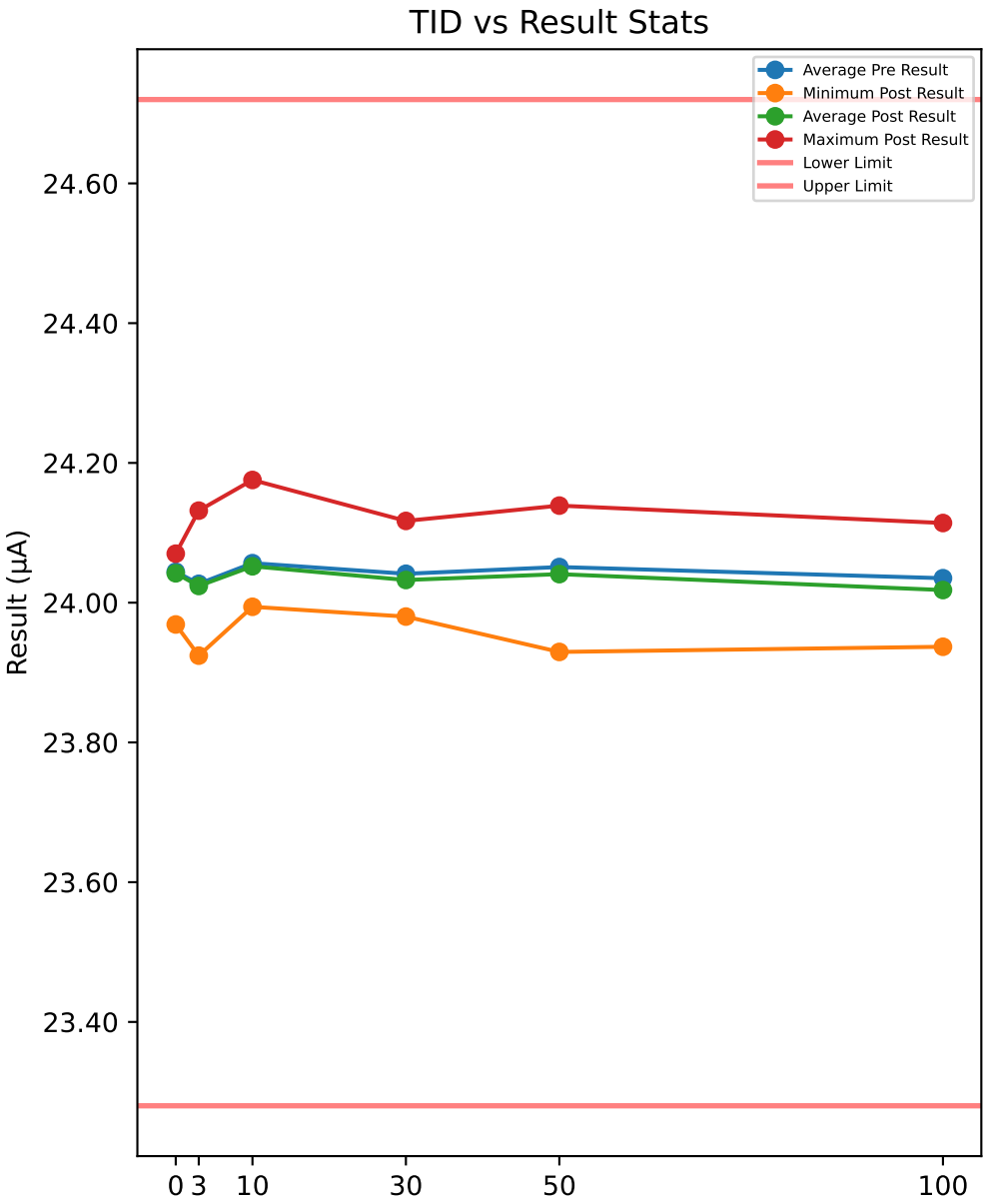
Test Results (Upper Limit = 100.0 (nA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.2415	2.079	-0.1625
2	3	Biased	0.3816	1.0479	0.6663
3	3	Biased	1.2626	1.4407	0.1781
4	3	Biased	2.2904	1.2443	-1.0461
5	3	Biased	2.4862	0.7042	-1.782
6	3	Unbiased	2.4862	1.1461	-1.3401
7	3	Unbiased	2.3394	1.1952	-1.1442
8	3	Unbiased	1.1157	0.2624	-0.8533
9	3	Unbiased	1.1157	0.5078	-0.6079
10	3	Unbiased	1.801	0.2624	-1.5386
11	10	Biased	2.3394	0.4588	-1.8806
12	10	Biased	2.1436	1.2443	-0.8993
13	10	Biased	1.4094	1.2934	-0.116
14	10	Biased	1.801	1.9317	0.1307
15	10	Biased	2.1925	1.2934	-0.8991
16	10	Unbiased	1.8499	1.097	-0.7529
17	10	Unbiased	1.2136	0.5078	-0.7058
18	10	Unbiased	1.1157	1.2934	0.1777
19	10	Unbiased	1.752	1.4898	-0.2622
20	10	Unbiased	2.1925	0.9006	-1.2919
21	30	Biased	2.0947	1.2443	-0.8504
22	30	Biased	2.5352	0.2624	-2.2728
23	30	Biased	1.5073	1.7353	0.228
24	30	Biased	1.8499	1.4898	-0.3601
25	30	Biased	0.9689	-0.0813	-1.0502
26	30	Unbiased	1.6052	0.8515	-0.7537
27	30	Unbiased	1.5073	1.588	0.0807
28	30	Unbiased	1.1157	0.5569	-0.5588
29	30	Unbiased	2.2415	0.9497	-1.2918
30	30	Unbiased	1.0668	1.3425	0.2757
31	50	Biased	2.9757	0.7533	-2.2224
32	50	Biased	0.8221	0.1642	-0.6579
33	50	Biased	1.6541	0.9497	-0.7044
34	50	Biased	0.5773	1.588	1.0107
35	50	Biased	1.4094	1.3425	-0.0669
36	50	Unbiased	1.1647	1.2934	0.1287
37	50	Unbiased	1.5563	0.9497	-0.6066
38	50	Unbiased	1.4094	0.9006	-0.5088
39	50	Unbiased	1.8989	1.4898	-0.4091
40	50	Unbiased	1.9968	0.4588	-1.538
41	100	Biased	1.1157	1.3425	0.2268
42	100	Biased	1.3605	1.0479	-0.3126
43	100	Biased	0.871	1.2934	0.4224
44	100	Biased	1.0668	1.9808	0.914
45	100	Biased	2.3394	0.7533	-1.5861
46	100	Unbiased	1.2626	1.5389	0.2763
47	100	Unbiased	1.6541	0.606	-1.0481
48	100	Unbiased	1.3605	0.2624	-1.0981
49	100	Unbiased	1.8499	1.1952	-0.6547
50	100	Unbiased	1.752	0.9988	-0.7532
51	0	Correlation	1.752	0.4588	-1.2932
52	0	Correlation	1.6052	1.2934	-0.3118
53	0	Correlation	1.3115	1.1461	-0.1654
54	0	Correlation	1.7031	1.3916	-0.3115
55	0	Correlation	2.3883	1.588	-0.8003

Test Statistics (nA)

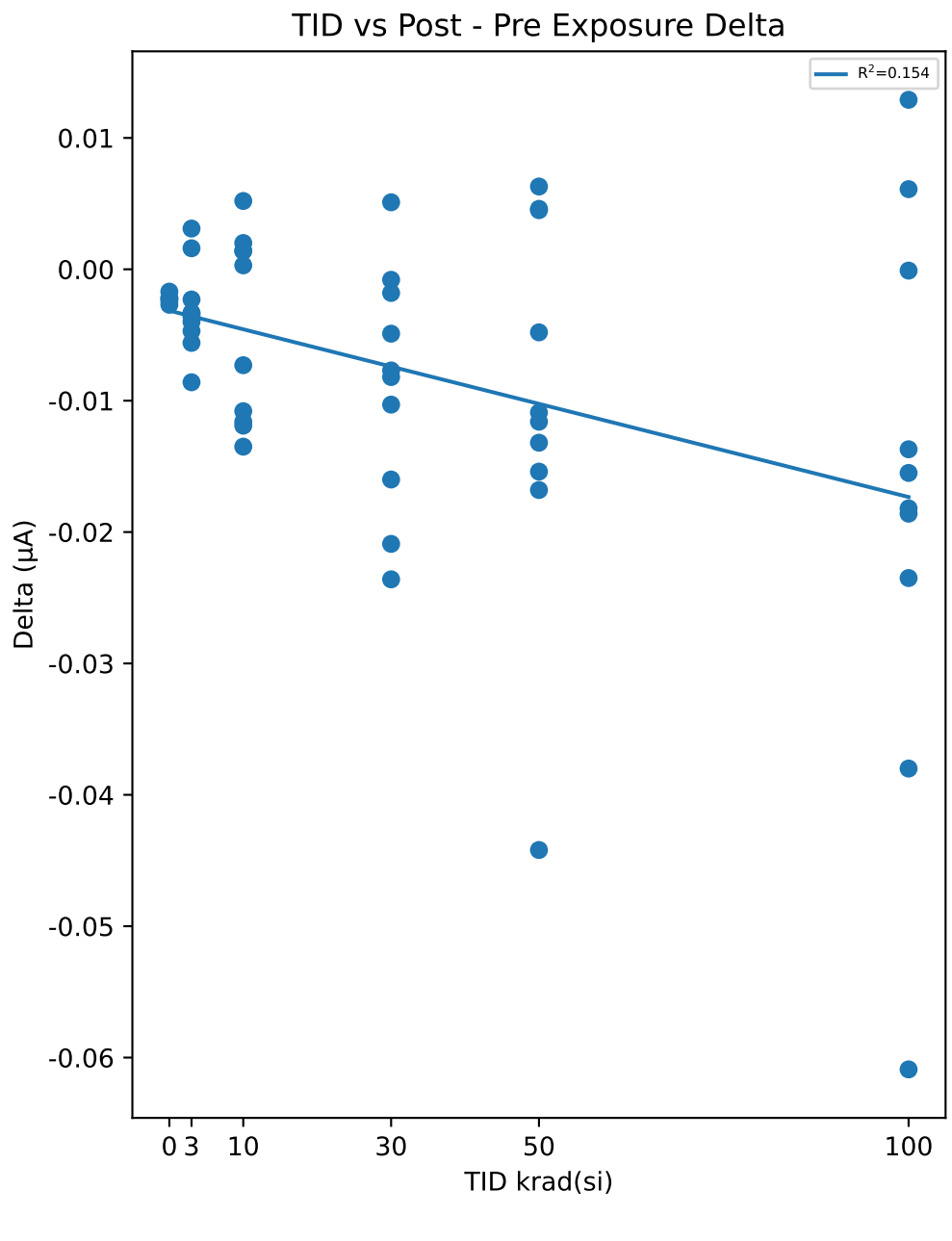
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.3115	1.752	2.3883	0.39461	0.4588	1.1756	1.588	0.43165	-1.2932	-0.57644	-0.1654	0.46718
3	0.3816	1.752	2.4862	0.73653	0.2624	0.989	2.079	0.56731	-1.782	-0.76303	0.6663	0.78314
10	1.1157	1.801	2.3394	0.4329	0.4588	1.151	1.9317	0.44125	-1.8806	-0.64994	0.1777	0.64931
30	0.9689	1.6492	2.5352	0.5274	-0.0813	0.99391	1.7353	0.59973	-2.2728	-0.65534	0.2757	0.78246
50	0.5773	1.5465	2.9757	0.66905	0.1642	0.989	1.588	0.45401	-2.2224	-0.55747	1.0107	0.87955
100	0.871	1.4632	2.3394	0.43806	0.2624	1.1019	1.9808	0.48904	-1.5861	-0.36133	0.914	0.79929

Device Test: 6.26; IHYS



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

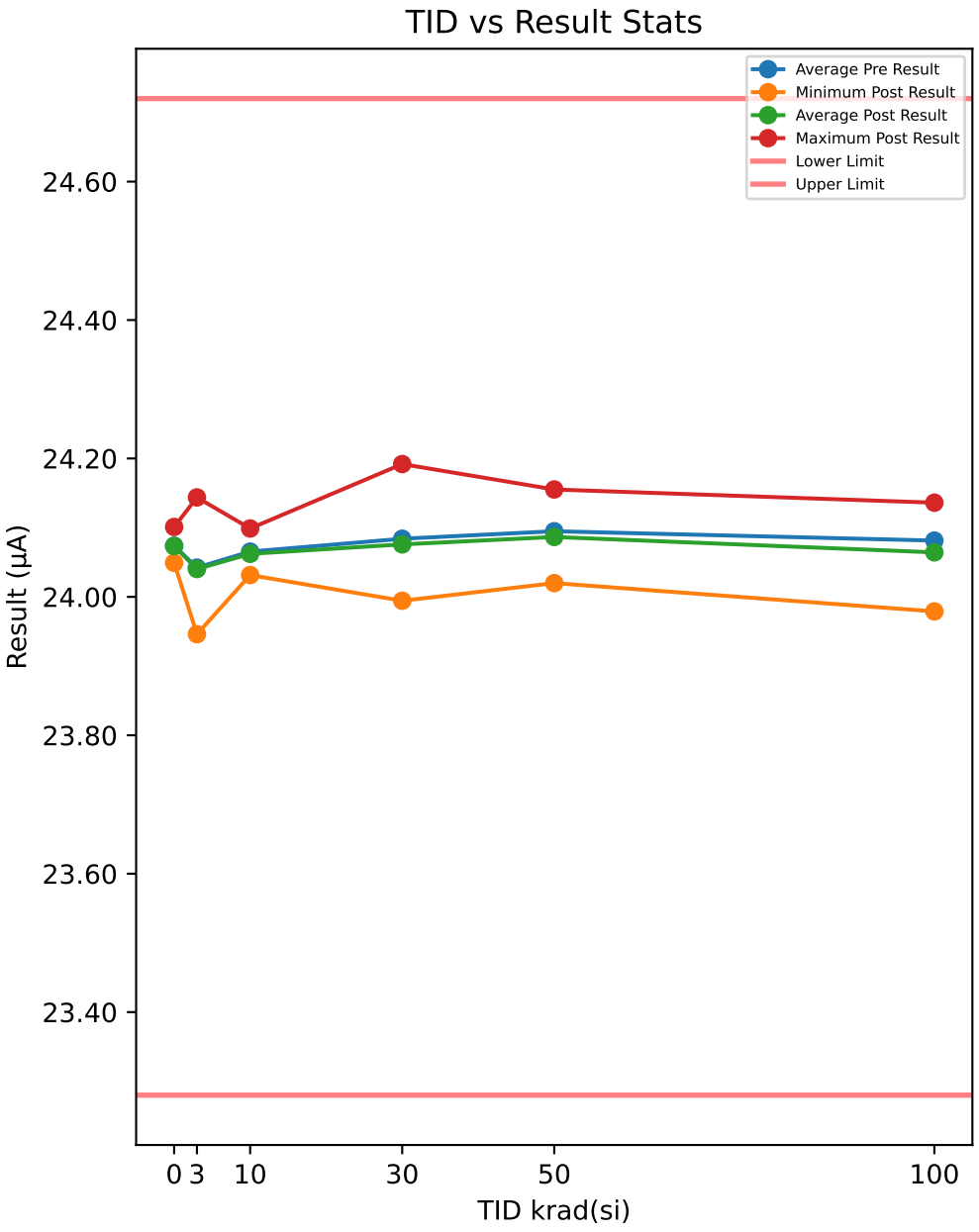
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.937	23.931	-0.0056
2	3	Biased	24.014	24.005	-0.0086
3	3	Biased	24.131	24.126	-0.0047
4	3	Biased	23.923	23.924	0.0016
5	3	Biased	24.005	24.002	-0.0033
6	3	Unbiased	23.995	23.992	-0.0036
7	3	Unbiased	23.972	23.97	-0.0023
8	3	Unbiased	24.088	24.091	0.0031
9	3	Unbiased	24.07	24.066	-0.004
10	3	Unbiased	24.135	24.132	-0.0034
11	10	Biased	24.037	24.025	-0.0116
12	10	Biased	24.056	24.043	-0.0135
13	10	Biased	24.077	24.079	0.002
14	10	Biased	24.027	24.02	-0.0073
15	10	Biased	24.02	24.02	0.0003
16	10	Unbiased	24.174	24.176	0.0014
17	10	Unbiased	24.03	24.032	0.0014
18	10	Unbiased	24.127	24.116	-0.0108
19	10	Unbiased	23.989	23.994	0.0052
20	10	Unbiased	24.028	24.016	-0.0119
21	30	Biased	24.049	24.028	-0.0209
22	30	Biased	24.053	24.053	-0.0008
23	30	Biased	24.133	24.117	-0.016
24	30	Biased	24.089	24.094	0.0051
25	30	Biased	23.985	23.98	-0.0049
26	30	Unbiased	24.016	24.009	-0.0077
27	30	Unbiased	24.022	24.012	-0.0103
28	30	Unbiased	24.034	24.025	-0.0082
29	30	Unbiased	24.008	24.006	-0.0018
30	30	Unbiased	24.025	24.001	-0.0236
31	50	Biased	24.144	24.139	-0.0048
32	50	Biased	24.044	24.033	-0.0109
33	50	Biased	24.018	24.002	-0.0168
34	50	Biased	24.02	24.009	-0.0116
35	50	Biased	24.135	24.122	-0.0132
36	50	Unbiased	23.923	23.93	0.0063
37	50	Unbiased	24.149	24.105	-0.0442
38	50	Unbiased	24.081	24.066	-0.0154
39	50	Unbiased	24.018	24.023	0.0045
40	50	Unbiased	23.976	23.981	0.0046
41	100	Biased	23.979	23.955	-0.0235
42	100	Biased	24.082	24.021	-0.0609
43	100	Biased	24.108	24.114	0.0061
44	100	Biased	23.993	23.979	-0.0137
45	100	Biased	23.98	23.962	-0.0182
46	100	Unbiased	24.112	24.112	-0.0001
47	100	Unbiased	24.091	24.073	-0.0186
48	100	Unbiased	24.047	24.06	0.0129
49	100	Unbiased	23.983	23.968	-0.0155
50	100	Unbiased	23.975	23.937	-0.038
51	0	Correlation	24.071	24.069	-0.0017
52	0	Correlation	24.046	24.044	-0.0022
53	0	Correlation	24.06	24.058	-0.0022
54	0	Correlation	24.073	24.07	-0.0027
55	0	Correlation	23.971	23.969	-0.0024



Test Statistics (µA)

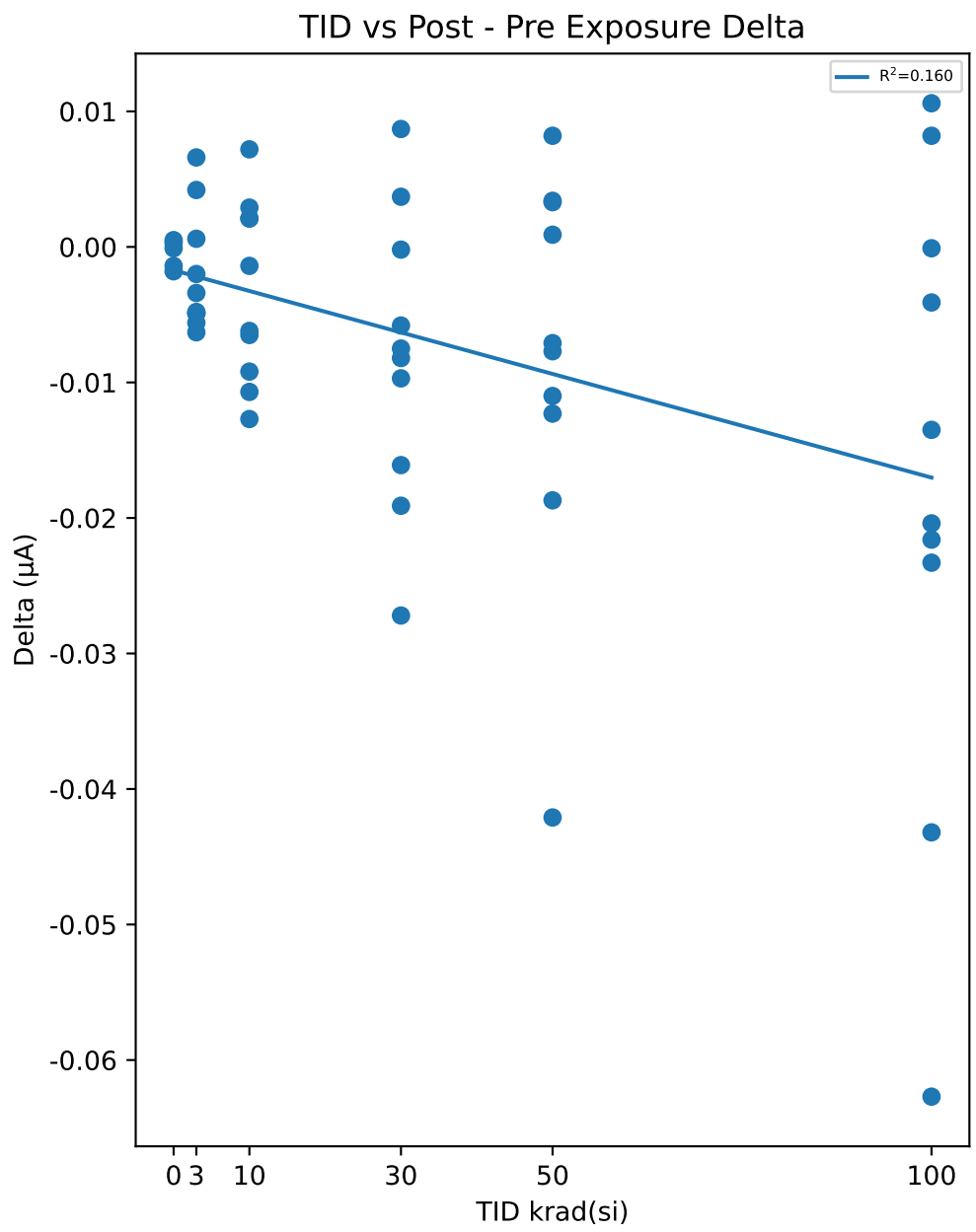
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.971	24.044	24.073	0.042211	23.969	24.042	24.07	0.042294	-0.0027	-0.00224	-0.0017	0.00036469
3	23.923	24.027	24.135	0.075926	23.924	24.024	24.132	0.075892	-0.0086	-0.00308	0.0031	0.0033569
10	23.989	24.057	24.174	0.055744	23.994	24.052	24.176	0.055868	-0.0135	-0.00448	0.0052	0.0071701
30	23.985	24.041	24.133	0.042779	23.98	24.032	24.117	0.043218	-0.0236	-0.00891	0.0051	0.0090824
50	23.923	24.051	24.149	0.075506	23.93	24.041	24.139	0.066607	-0.0442	-0.01015	0.0063	0.014812
100	23.975	24.035	24.112	0.058714	23.937	24.018	24.114	0.067114	-0.0609	-0.01695	0.0129	0.02145

Device Test: 6.27; IHYS



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

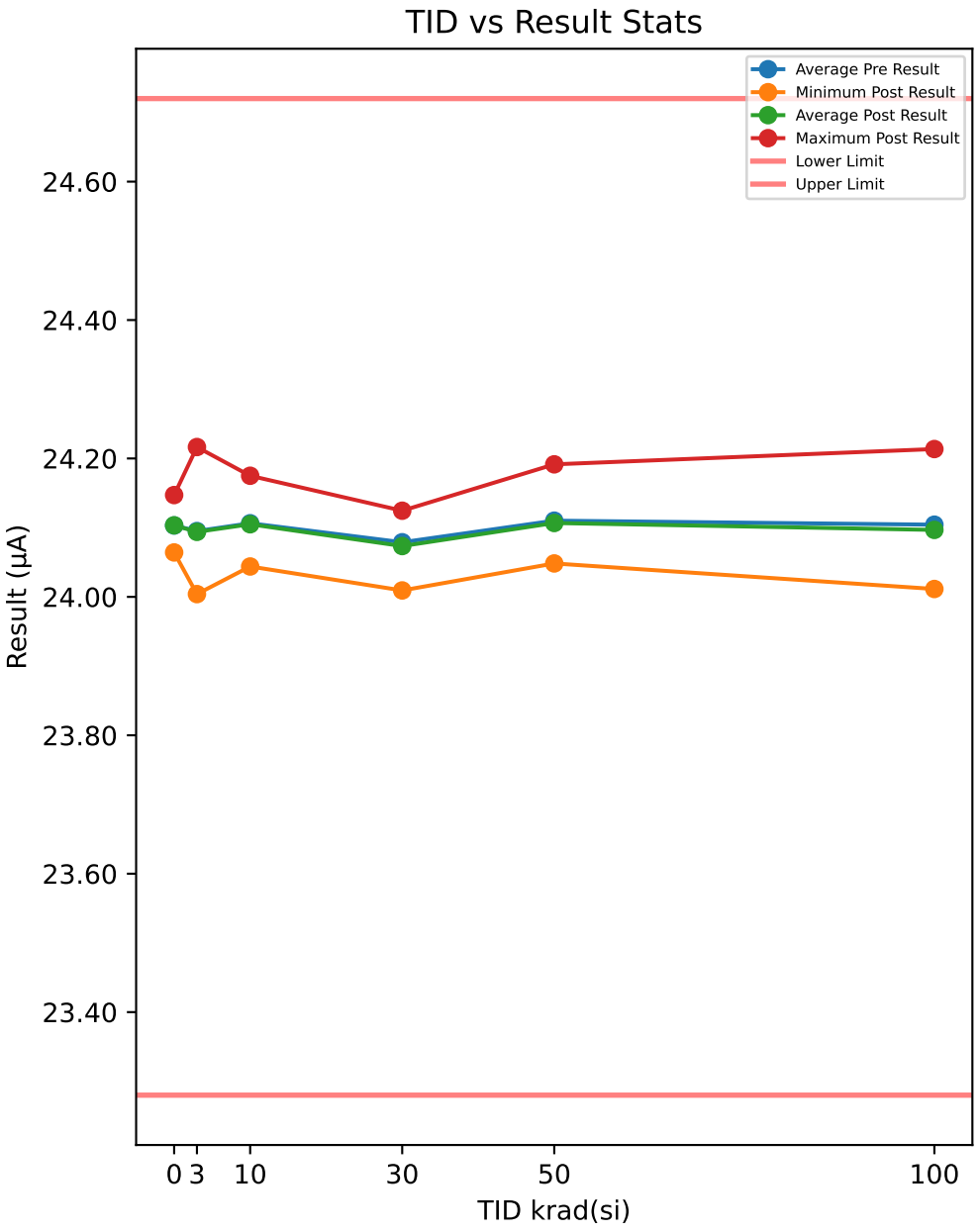
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.951	23.946	-0.0049
2	3	Biased	24.005	23.998	-0.0063
3	3	Biased	24.149	24.144	-0.0056
4	3	Biased	24.056	24.06	0.0042
5	3	Biased	24.032	24.033	0.0006
6	3	Unbiased	24.055	24.053	-0.002
7	3	Unbiased	24.015	24.01	-0.0048
8	3	Unbiased	24.009	24.015	0.0066
9	3	Unbiased	24.052	24.049	-0.0034
10	3	Unbiased	24.098	24.093	-0.0049
11	10	Biased	24.086	24.077	-0.0092
12	10	Biased	24.06	24.047	-0.0127
13	10	Biased	24.039	24.042	0.0029
14	10	Biased	24.061	24.055	-0.0062
15	10	Biased	24.053	24.051	-0.0014
16	10	Unbiased	24.097	24.099	0.0021
17	10	Unbiased	24.061	24.063	0.0021
18	10	Unbiased	24.086	24.075	-0.0107
19	10	Unbiased	24.024	24.032	0.0072
20	10	Unbiased	24.087	24.08	-0.0065
21	30	Biased	24.016	23.997	-0.0191
22	30	Biased	24.148	24.157	0.0087
23	30	Biased	24.099	24.083	-0.0161
24	30	Biased	24.114	24.118	0.0037
25	30	Biased	23.995	23.994	-0.0002
26	30	Unbiased	24.035	24.027	-0.0075
27	30	Unbiased	24.046	24.037	-0.0097
28	30	Unbiased	24.2	24.192	-0.0082
29	30	Unbiased	24.084	24.079	-0.0058
30	30	Unbiased	24.103	24.076	-0.0272
31	50	Biased	24.099	24.1	0.0009
32	50	Biased	24.083	24.075	-0.0077
33	50	Biased	24.113	24.094	-0.0187
34	50	Biased	24.109	24.102	-0.0071
35	50	Biased	24.168	24.155	-0.0123
36	50	Unbiased	24.014	24.022	0.0082
37	50	Unbiased	24.062	24.02	-0.0421
38	50	Unbiased	24.136	24.125	-0.011
39	50	Unbiased	24.107	24.11	0.0033
40	50	Unbiased	24.058	24.062	0.0034
41	100	Biased	24.059	24.037	-0.0216
42	100	Biased	24.16	24.097	-0.0627
43	100	Biased	24.115	24.124	0.0082
44	100	Biased	24.044	24.04	-0.0041
45	100	Biased	24.07	24.049	-0.0204
46	100	Unbiased	24.136	24.136	-0.0001
47	100	Unbiased	24.128	24.105	-0.0233
48	100	Unbiased	24.047	24.058	0.0106
49	100	Unbiased	24.032	24.019	-0.0135
50	100	Unbiased	24.022	23.979	-0.0432
51	0	Correlation	24.103	24.101	-0.0018
52	0	Correlation	24.051	24.049	-0.0014
53	0	Correlation	24.061	24.062	0.0005
54	0	Correlation	24.095	24.095	0.0003
55	0	Correlation	24.06	24.06	-0.0001



Test Statistics (µA)

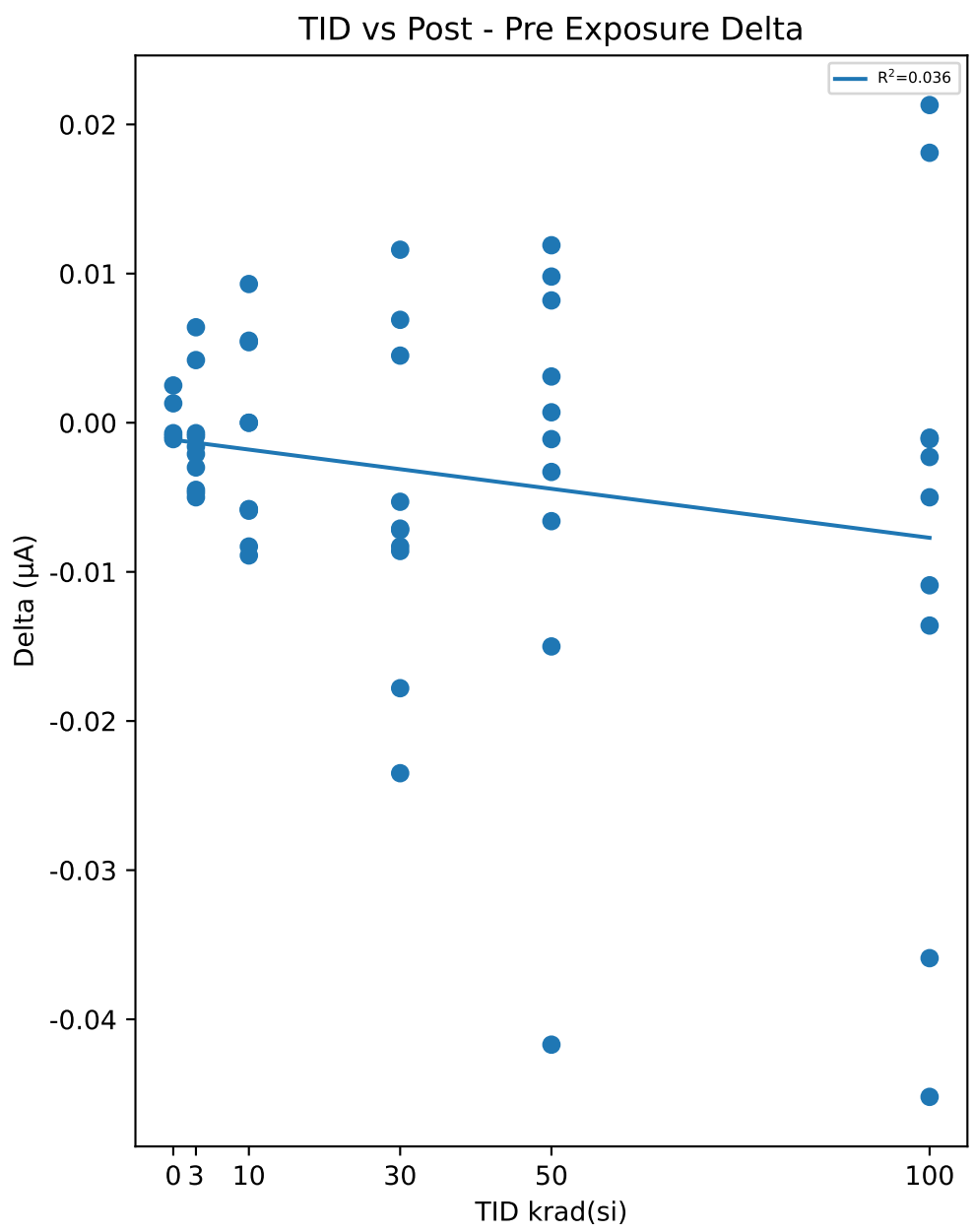
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	24.051	24.074	24.103	0.023208	24.049	24.073	24.101	0.023033	-0.0018	-0.0005	0.0005	0.0010368
3	23.951	24.042	24.149	0.05453	23.946	24.04	24.144	0.054119	-0.0063	-0.00205	0.0066	0.0044373
10	24.024	24.065	24.097	0.023278	24.032	24.062	24.099	0.020509	-0.0127	-0.00324	0.0072	0.0067261
30	23.995	24.084	24.2	0.062845	23.994	24.076	24.192	0.065487	-0.0272	-0.00814	0.0087	0.01076
50	24.014	24.095	24.168	0.043237	24.02	24.087	24.155	0.042965	-0.0421	-0.00831	0.0082	0.014545
100	24.022	24.081	24.16	0.048963	23.979	24.064	24.136	0.049798	-0.0627	-0.01701	0.0106	0.022873

Device Test: 6.28; IHYS



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

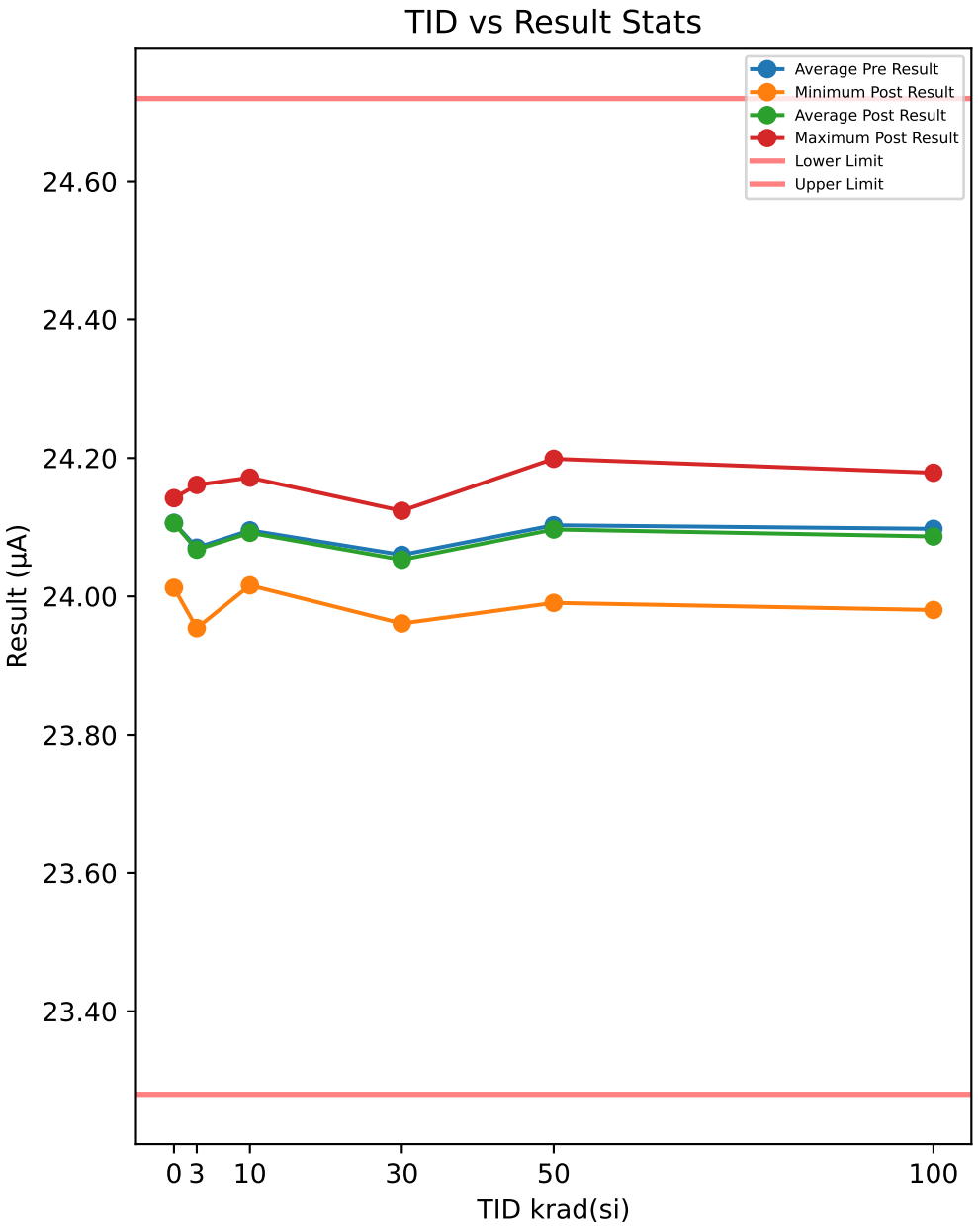
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	24.009	24.004	-0.0047
2	3	Biased	24.028	24.023	-0.0045
3	3	Biased	24.217	24.216	-0.0009
4	3	Biased	24.108	24.114	0.0064
5	3	Biased	24.089	24.088	-0.0007
6	3	Unbiased	24.098	24.097	-0.0016
7	3	Unbiased	24.058	24.055	-0.003
8	3	Unbiased	24.091	24.095	0.0042
9	3	Unbiased	24.088	24.086	-0.0021
10	3	Unbiased	24.165	24.16	-0.005
11	10	Biased	24.139	24.133	-0.0058
12	10	Biased	24.053	24.044	-0.0089
13	10	Biased	24.062	24.068	0.0054
14	10	Biased	24.094	24.086	-0.0083
15	10	Biased	24.071	24.071	0
16	10	Unbiased	24.175	24.175	0
17	10	Unbiased	24.106	24.111	0.0055
18	10	Unbiased	24.117	24.112	-0.0058
19	10	Unbiased	24.107	24.116	0.0093
20	10	Unbiased	24.139	24.134	-0.0059
21	30	Biased	24.082	24.065	-0.0178
22	30	Biased	24.113	24.125	0.0116
23	30	Biased	24.126	24.121	-0.0053
24	30	Biased	24.066	24.072	0.0069
25	30	Biased	24.005	24.009	0.0045
26	30	Unbiased	24.075	24.068	-0.0071
27	30	Unbiased	24.087	24.078	-0.0086
28	30	Unbiased	24.116	24.108	-0.0083
29	30	Unbiased	24.046	24.038	-0.0072
30	30	Unbiased	24.074	24.05	-0.0235
31	50	Biased	24.15	24.16	0.0098
32	50	Biased	24.049	24.048	-0.0011
33	50	Biased	24.108	24.101	-0.0066
34	50	Biased	24.11	24.111	0.0007
35	50	Biased	24.166	24.163	-0.0033
36	50	Unbiased	24.046	24.058	0.0119
37	50	Unbiased	24.106	24.064	-0.0417
38	50	Unbiased	24.106	24.091	-0.015
39	50	Unbiased	24.183	24.192	0.0082
40	50	Unbiased	24.077	24.08	0.0031
41	100	Biased	24.016	24.011	-0.005
42	100	Biased	24.136	24.09	-0.0452
43	100	Biased	24.192	24.214	0.0213
44	100	Biased	24.075	24.074	-0.001
45	100	Biased	24.081	24.078	-0.0023
46	100	Unbiased	24.177	24.176	-0.0011
47	100	Unbiased	24.136	24.125	-0.0109
48	100	Unbiased	24.03	24.048	0.0181
49	100	Unbiased	24.06	24.046	-0.0136
50	100	Unbiased	24.141	24.105	-0.0359
51	0	Correlation	24.128	24.127	-0.0009
52	0	Correlation	24.145	24.147	0.0025
53	0	Correlation	24.097	24.099	0.0013
54	0	Correlation	24.081	24.08	-0.0007
55	0	Correlation	24.065	24.064	-0.0011

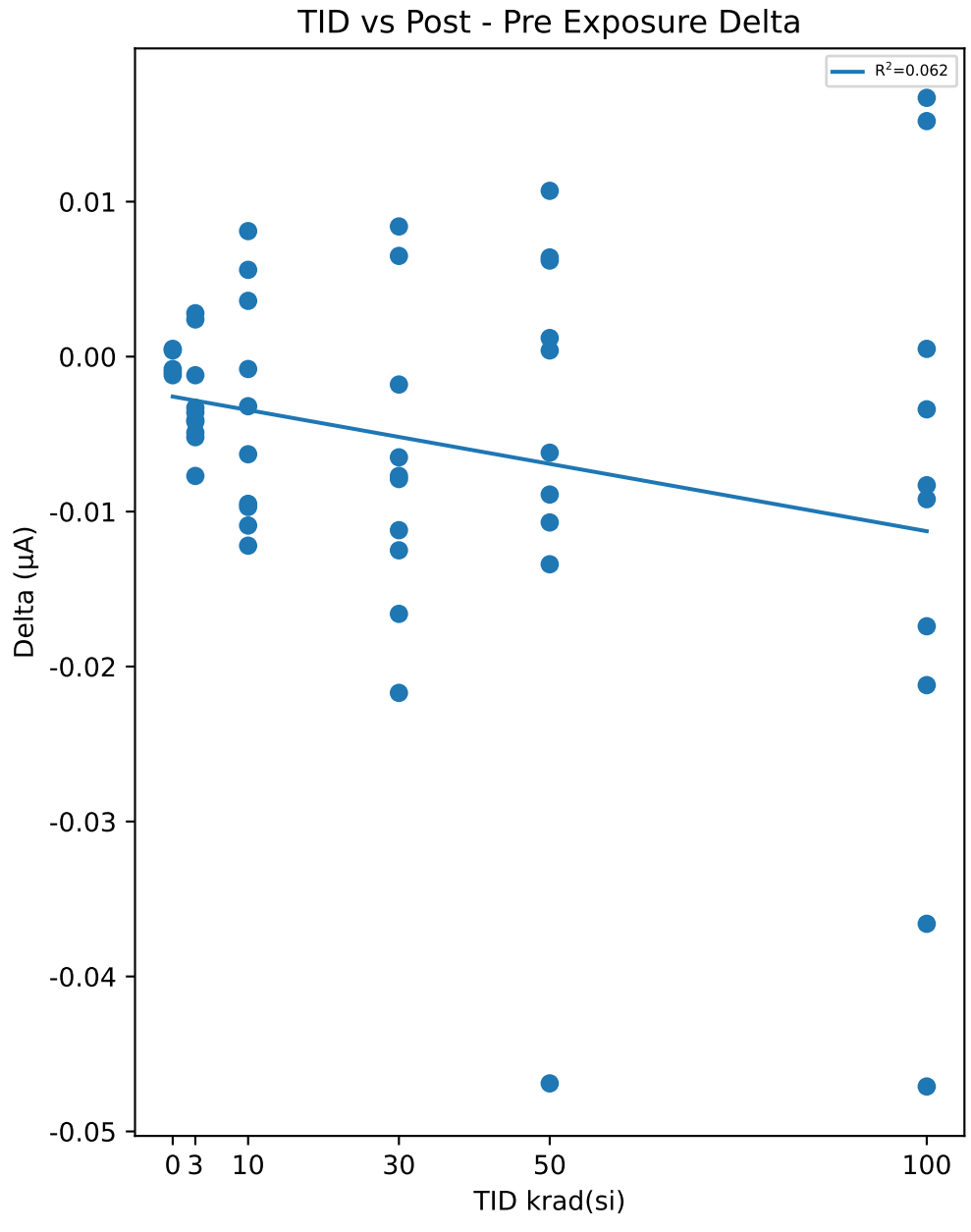


Test Statistics (µA)

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	24.103	24.145	0.032889	24.064	24.103	24.147	0.033906	-0.0011	0.00022	0.0025	0.0015975
3	24.009	24.095	24.217	0.06109	24.004	24.094	24.216	0.061998	-0.005	-0.00119	0.0064	0.0037867
10	24.053	24.106	24.175	0.038326	24.044	24.105	24.175	0.038554	-0.0089	-0.00145	0.0093	0.0064555
30	24.005	24.079	24.126	0.03601	24.009	24.073	24.125	0.036579	-0.0235	-0.00548	0.0116	0.010772
50	24.046	24.11	24.183	0.045969	24.048	24.107	24.192	0.049177	-0.0417	-0.0034	0.0119	0.015702
100	24.016	24.104	24.192	0.060459	24.011	24.097	24.214	0.061282	-0.0452	-0.00756	0.0213	0.020758

Device Test: 6.29; IHYS





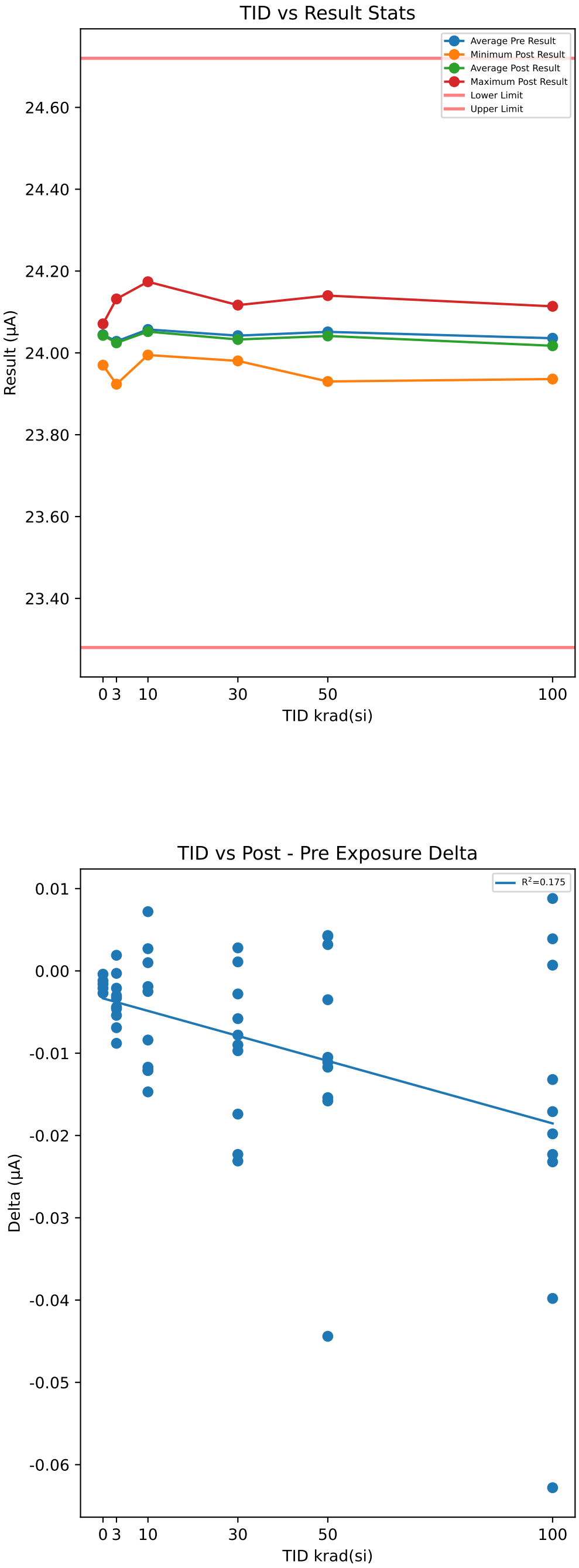
Test Results (Lower Limit = 23.28, Upper Limit = 24.72 (µA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.959	23.954	-0.0049
2	3	Biased	24.028	24.02	-0.0077
3	3	Biased	24.163	24.159	-0.0036
4	3	Biased	24.012	24.015	0.0028
5	3	Biased	24.063	24.062	-0.0012
6	3	Unbiased	24.081	24.077	-0.0042
7	3	Unbiased	23.997	23.992	-0.0052
8	3	Unbiased	24.109	24.112	0.0024
9	3	Unbiased	24.127	24.124	-0.0033
10	3	Unbiased	24.165	24.161	-0.0041
11	10	Biased	24.111	24.101	-0.0097
12	10	Biased	24.09	24.078	-0.0122
13	10	Biased	24.076	24.081	0.0056
14	10	Biased	24.097	24.09	-0.0063
15	10	Biased	24.13	24.127	-0.0032
16	10	Unbiased	24.172	24.172	-0.0008
17	10	Unbiased	24.108	24.112	0.0036
18	10	Unbiased	24.115	24.106	-0.0095
19	10	Unbiased	24.028	24.037	0.0081
20	10	Unbiased	24.027	24.016	-0.0109
21	30	Biased	24.027	24.01	-0.0166
22	30	Biased	24.098	24.106	0.0084
23	30	Biased	24.135	24.124	-0.0112
24	30	Biased	24.068	24.075	0.0065
25	30	Biased	23.963	23.961	-0.0018
26	30	Unbiased	24.011	23.999	-0.0125
27	30	Unbiased	24.059	24.051	-0.0079
28	30	Unbiased	24.099	24.091	-0.0077
29	30	Unbiased	24.053	24.047	-0.0065
30	30	Unbiased	24.089	24.067	-0.0217
31	50	Biased	24.198	24.199	0.0012
32	50	Biased	24.108	24.108	0.0004
33	50	Biased	24	23.991	-0.0089
34	50	Biased	24.127	24.121	-0.0062
35	50	Biased	24.072	24.058	-0.0134
36	50	Unbiased	24.034	24.044	0.0107
37	50	Unbiased	24.153	24.106	-0.0469
38	50	Unbiased	24.124	24.113	-0.0107
39	50	Unbiased	24.122	24.128	0.0062
40	50	Unbiased	24.093	24.1	0.0064
41	100	Biased	24.048	24.039	-0.0092
42	100	Biased	24.095	24.047	-0.0471
43	100	Biased	24.162	24.179	0.0167
44	100	Biased	24.111	24.111	0.0005
45	100	Biased	24.07	24.062	-0.0083
46	100	Unbiased	24.175	24.171	-0.0034
47	100	Unbiased	24.173	24.152	-0.0212
48	100	Unbiased	24.064	24.079	0.0152
49	100	Unbiased	24.062	24.045	-0.0174
50	100	Unbiased	24.017	23.98	-0.0366
51	0	Correlation	24.127	24.128	0.0005
52	0	Correlation	24.14	24.139	-0.001
53	0	Correlation	24.014	24.012	-0.0012
54	0	Correlation	24.142	24.142	0.0004
55	0	Correlation	24.11	24.109	-0.0008

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	24.014	24.106	24.142	0.053432	24.012	24.106	24.142	0.053904	-0.0012	-0.00042	0.0005	0.00080747
3	23.959	24.07	24.165	0.071058	23.954	24.068	24.161	0.071511	-0.0077	-0.0029	0.0028	0.0033263
10	24.027	24.096	24.172	0.044163	24.016	24.092	24.172	0.043988	-0.0122	-0.00353	0.0081	0.0073627
30	23.963	24.06	24.135	0.049882	23.961	24.053	24.124	0.050779	-0.0217	-0.0071	0.0084	0.0094519
50	24	24.103	24.198	0.057223	23.991	24.097	24.199	0.055764	-0.0469	-0.00612	0.0107	0.016439
100	24.017	24.098	24.175	0.055865	23.98	24.087	24.179	0.065048	-0.0471	-0.01108	0.0167	0.020434

Device Test: 6.30; IHYS



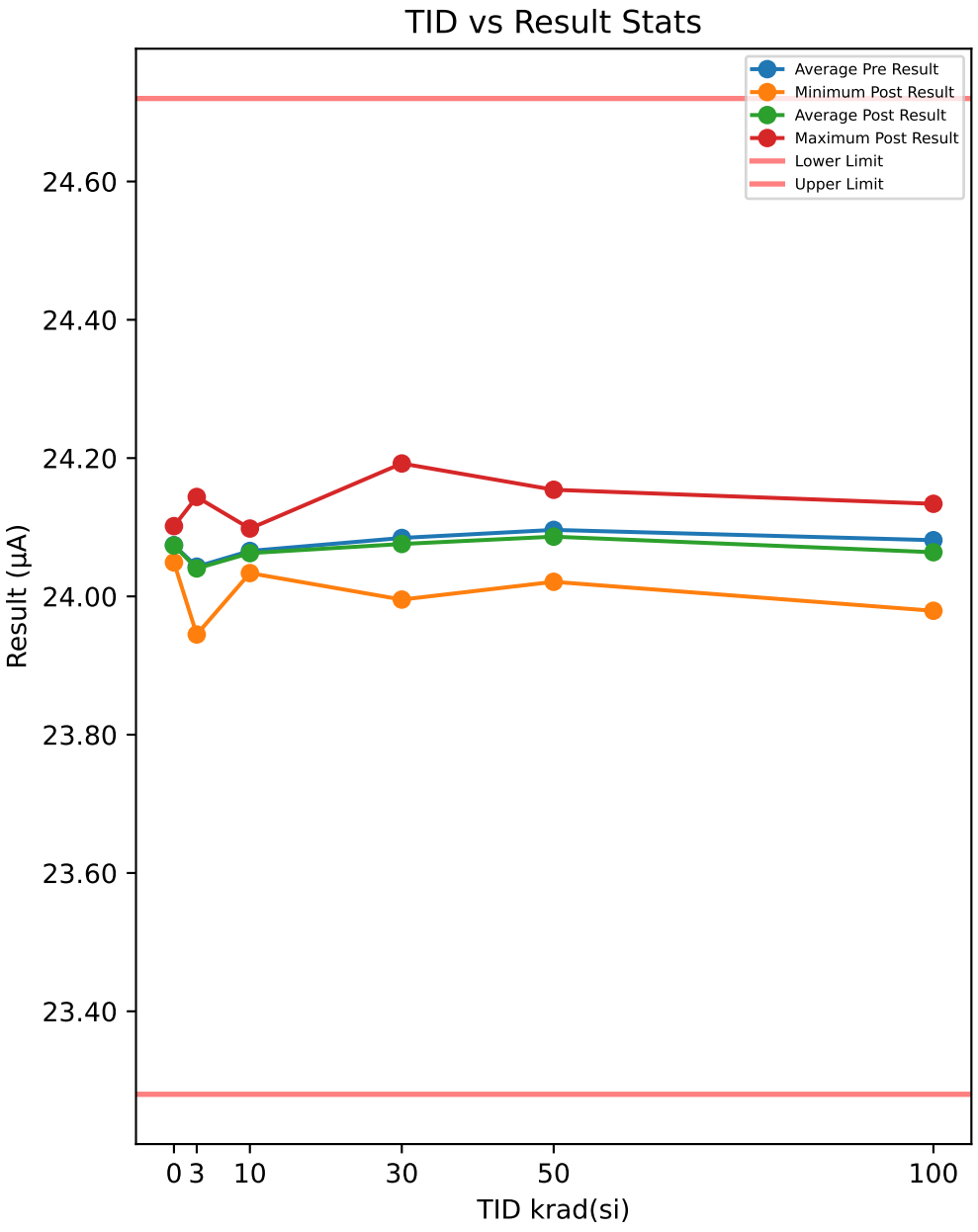
Test Results (Lower Limit = 23.28, Upper Limit = 24.72 (µA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.938	23.931	-0.0069
2	3	Biased	24.015	24.006	-0.0088
3	3	Biased	24.132	24.127	-0.0054
4	3	Biased	23.924	23.924	-0.0003
5	3	Biased	24.006	24.004	-0.0021
6	3	Unbiased	23.997	23.993	-0.0033
7	3	Unbiased	23.974	23.969	-0.0046
8	3	Unbiased	24.09	24.092	0.0019
9	3	Unbiased	24.071	24.068	-0.003
10	3	Unbiased	24.136	24.132	-0.0044
11	10	Biased	24.038	24.026	-0.0121
12	10	Biased	24.058	24.043	-0.0147
13	10	Biased	24.078	24.079	0.001
14	10	Biased	24.029	24.021	-0.0084
15	10	Biased	24.02	24.019	-0.0019
16	10	Unbiased	24.176	24.174	-0.0025
17	10	Unbiased	24.03	24.033	0.0027
18	10	Unbiased	24.128	24.116	-0.0117
19	10	Unbiased	23.988	23.995	0.0072
20	10	Unbiased	24.027	24.015	-0.0121
21	30	Biased	24.05	24.027	-0.0223
22	30	Biased	24.053	24.054	0.0011
23	30	Biased	24.134	24.117	-0.0174
24	30	Biased	24.091	24.093	0.0028
25	30	Biased	23.986	23.98	-0.0058
26	30	Unbiased	24.017	24.009	-0.0078
27	30	Unbiased	24.022	24.013	-0.009
28	30	Unbiased	24.035	24.026	-0.0097
29	30	Unbiased	24.009	24.006	-0.0028
30	30	Unbiased	24.024	24.001	-0.0231
31	50	Biased	24.143	24.14	-0.0035
32	50	Biased	24.044	24.032	-0.0111
33	50	Biased	24.018	24.003	-0.0154
34	50	Biased	24.02	24.01	-0.0105
35	50	Biased	24.135	24.123	-0.0117
36	50	Unbiased	23.926	23.93	0.0043
37	50	Unbiased	24.149	24.105	-0.0444
38	50	Unbiased	24.082	24.067	-0.0158
39	50	Unbiased	24.019	24.023	0.0042
40	50	Unbiased	23.977	23.98	0.0032
41	100	Biased	23.978	23.955	-0.0232
42	100	Biased	24.083	24.02	-0.0628
43	100	Biased	24.11	24.114	0.0039
44	100	Biased	23.994	23.981	-0.0132
45	100	Biased	23.98	23.96	-0.0198
46	100	Unbiased	24.111	24.112	0.0007
47	100	Unbiased	24.091	24.069	-0.0223
48	100	Unbiased	24.051	24.06	0.0088
49	100	Unbiased	23.985	23.968	-0.0171
50	100	Unbiased	23.976	23.936	-0.0398
51	0	Correlation	24.071	24.071	-0.0004
52	0	Correlation	24.046	24.044	-0.0016
53	0	Correlation	24.061	24.058	-0.0027
54	0	Correlation	24.072	24.07	-0.0021
55	0	Correlation	23.971	23.97	-0.0012

Test Statistics (µA)

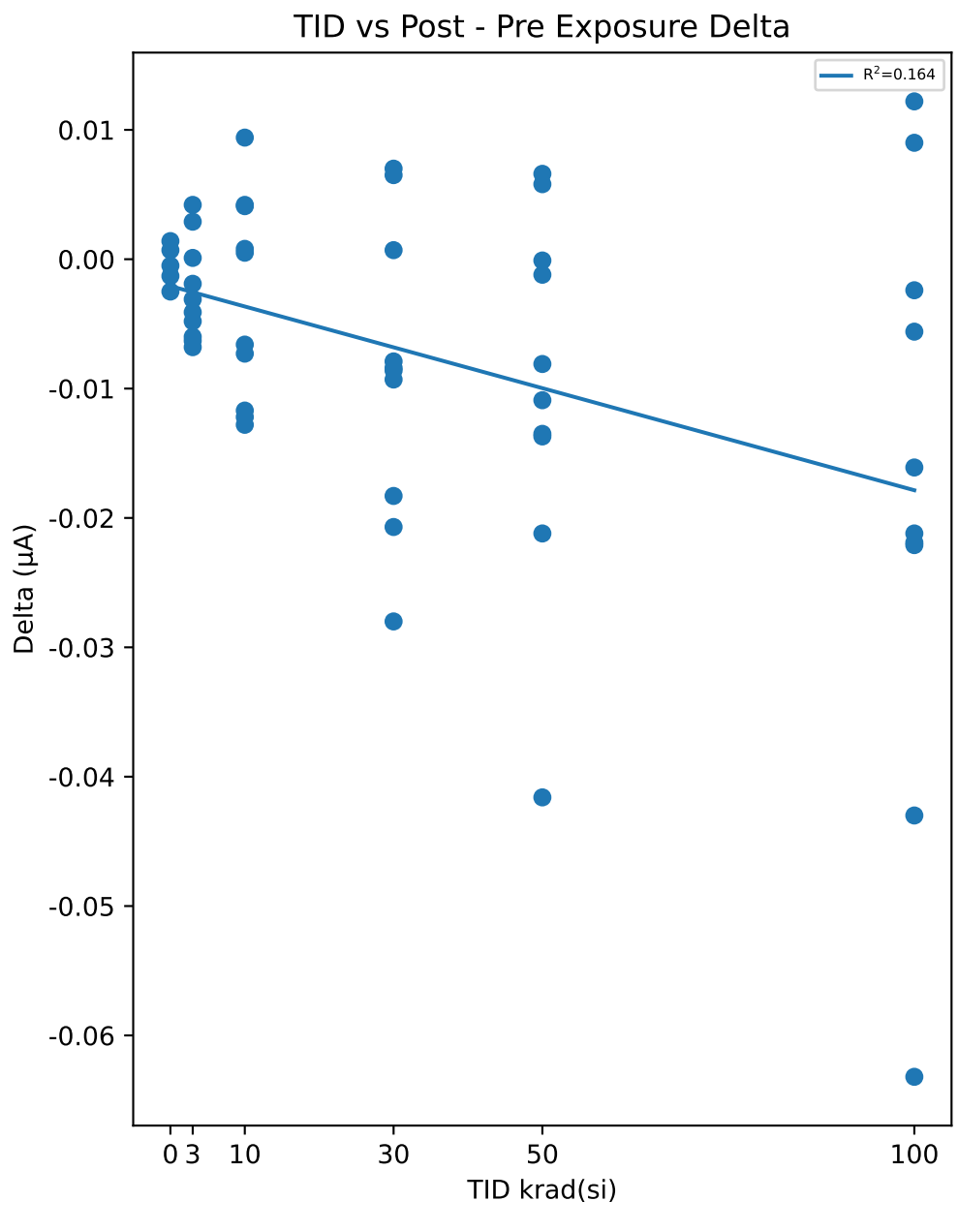
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.971	24.044	24.072	0.042278	23.97	24.043	24.071	0.042114	-0.0027	-0.0016	-0.0004	0.00087464
3	23.924	24.028	24.136	0.075771	23.924	24.025	24.132	0.076019	-0.0088	-0.00369	0.0019	0.0031014
10	23.988	24.057	24.176	0.056442	23.995	24.052	24.174	0.055397	-0.0147	-0.00525	0.0072	0.0075331
30	23.986	24.042	24.134	0.042982	23.98	24.033	24.117	0.043044	-0.0231	-0.0094	0.0028	0.0090463
50	23.926	24.051	24.149	0.07486	23.93	24.041	24.14	0.066725	-0.0444	-0.01007	0.0043	0.014426
100	23.976	24.036	24.111	0.058856	23.936	24.017	24.114	0.066944	-0.0628	-0.01848	0.0088	0.021344

Device Test: 6.31; IHYS



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

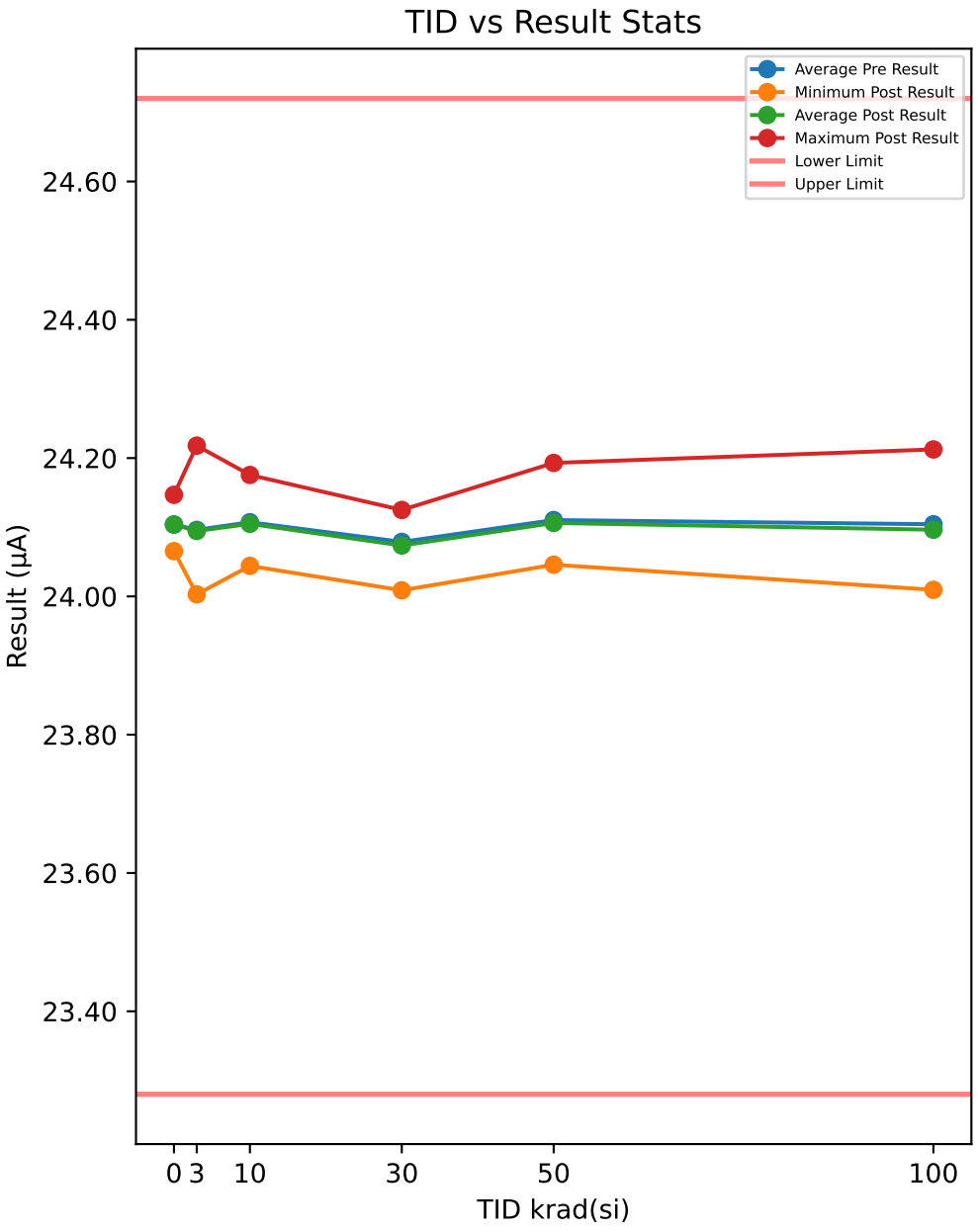
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.95	23.945	-0.0048
2	3	Biased	24.004	23.997	-0.0068
3	3	Biased	24.15	24.144	-0.0063
4	3	Biased	24.057	24.06	0.0029
5	3	Biased	24.034	24.034	0.0001
6	3	Unbiased	24.057	24.053	-0.0031
7	3	Unbiased	24.015	24.011	-0.0041
8	3	Unbiased	24.012	24.017	0.0042
9	3	Unbiased	24.052	24.05	-0.0019
10	3	Unbiased	24.099	24.093	-0.006
11	10	Biased	24.087	24.075	-0.0117
12	10	Biased	24.06	24.047	-0.0128
13	10	Biased	24.038	24.042	0.0041
14	10	Biased	24.061	24.054	-0.0066
15	10	Biased	24.053	24.053	0.0005
16	10	Unbiased	24.097	24.098	0.0008
17	10	Unbiased	24.061	24.065	0.0042
18	10	Unbiased	24.088	24.075	-0.0122
19	10	Unbiased	24.024	24.034	0.0094
20	10	Unbiased	24.088	24.081	-0.0073
21	30	Biased	24.017	23.996	-0.0207
22	30	Biased	24.149	24.156	0.007
23	30	Biased	24.101	24.083	-0.0183
24	30	Biased	24.111	24.118	0.0065
25	30	Biased	23.995	23.995	0.0007
26	30	Unbiased	24.036	24.028	-0.0086
27	30	Unbiased	24.046	24.038	-0.0079
28	30	Unbiased	24.201	24.192	-0.0093
29	30	Unbiased	24.085	24.077	-0.0084
30	30	Unbiased	24.103	24.075	-0.028
31	50	Biased	24.101	24.1	-0.0012
32	50	Biased	24.084	24.073	-0.0109
33	50	Biased	24.115	24.094	-0.0212
34	50	Biased	24.111	24.103	-0.0081
35	50	Biased	24.168	24.154	-0.0135
36	50	Unbiased	24.016	24.023	0.0066
37	50	Unbiased	24.063	24.021	-0.0416
38	50	Unbiased	24.138	24.124	-0.0137
39	50	Unbiased	24.106	24.111	0.0058
40	50	Unbiased	24.061	24.061	-0.0001
41	100	Biased	24.06	24.038	-0.0221
42	100	Biased	24.161	24.098	-0.0632
43	100	Biased	24.113	24.122	0.009
44	100	Biased	24.046	24.04	-0.0056
45	100	Biased	24.07	24.049	-0.0219
46	100	Unbiased	24.136	24.134	-0.0024
47	100	Unbiased	24.125	24.104	-0.0212
48	100	Unbiased	24.044	24.056	0.0122
49	100	Unbiased	24.035	24.019	-0.0161
50	100	Unbiased	24.022	23.979	-0.043
51	0	Correlation	24.102	24.102	-0.0005
52	0	Correlation	24.052	24.049	-0.0025
53	0	Correlation	24.061	24.062	0.0007
54	0	Correlation	24.095	24.096	0.0014
55	0	Correlation	24.061	24.059	-0.0013



Test Statistics (µA)

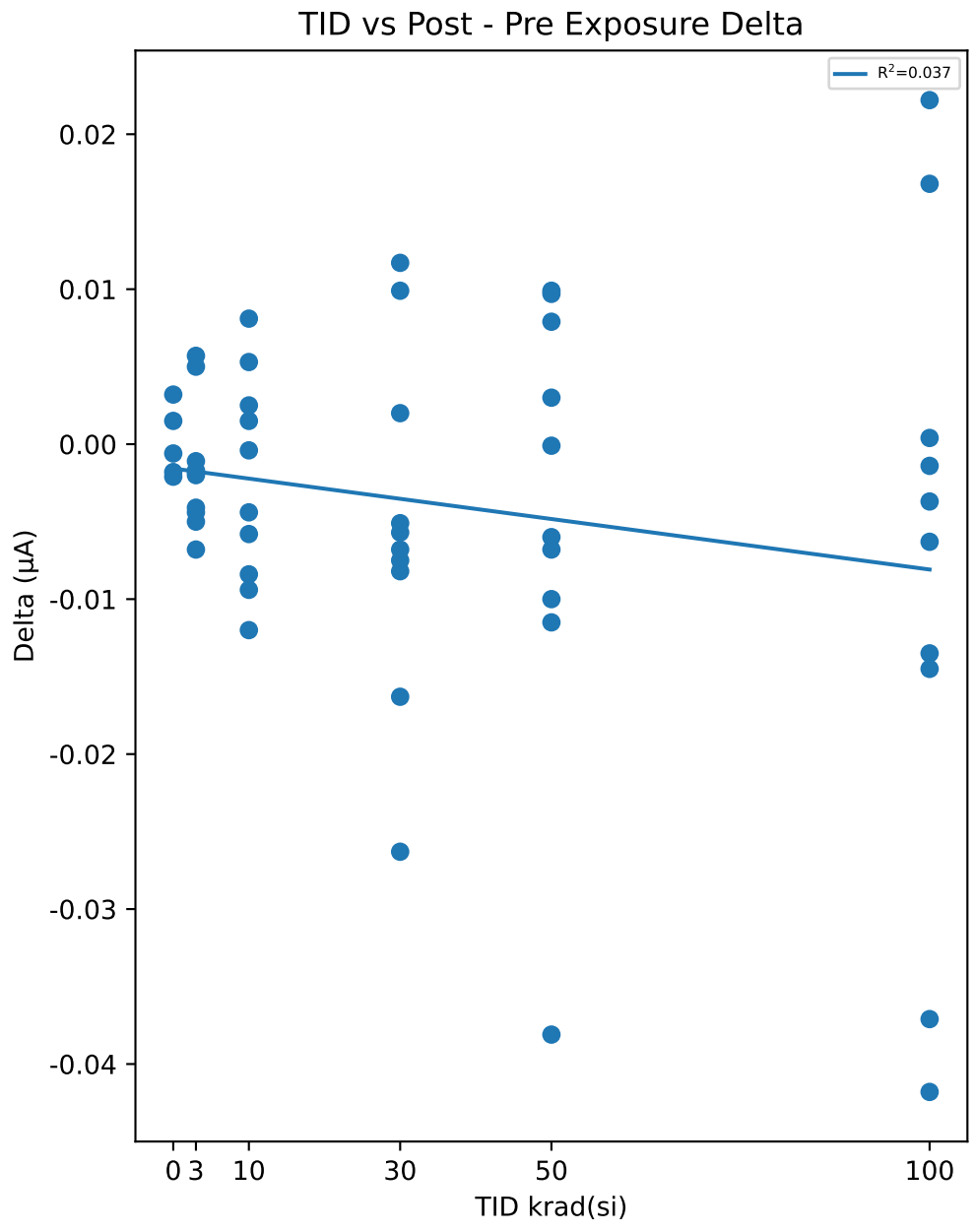
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	24.052	24.074	24.102	0.022646	24.049	24.074	24.102	0.023558	-0.0025	-0.00044	0.0014	0.001555
3	23.95	24.043	24.15	0.054935	23.945	24.04	24.144	0.054403	-0.0068	-0.00258	0.0042	0.0038657
10	24.024	24.066	24.097	0.023895	24.034	24.063	24.098	0.019869	-0.0128	-0.00316	0.0094	0.0079601
30	23.995	24.084	24.201	0.06294	23.995	24.076	24.192	0.06528	-0.028	-0.0087	0.007	0.011429
50	24.016	24.096	24.168	0.042775	24.021	24.086	24.154	0.042588	-0.0416	-0.00979	0.0066	0.014355
100	24.022	24.081	24.161	0.0485	23.979	24.064	24.134	0.04918	-0.0632	-0.01743	0.0122	0.022971

Device Test: 6.32; IHYS



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

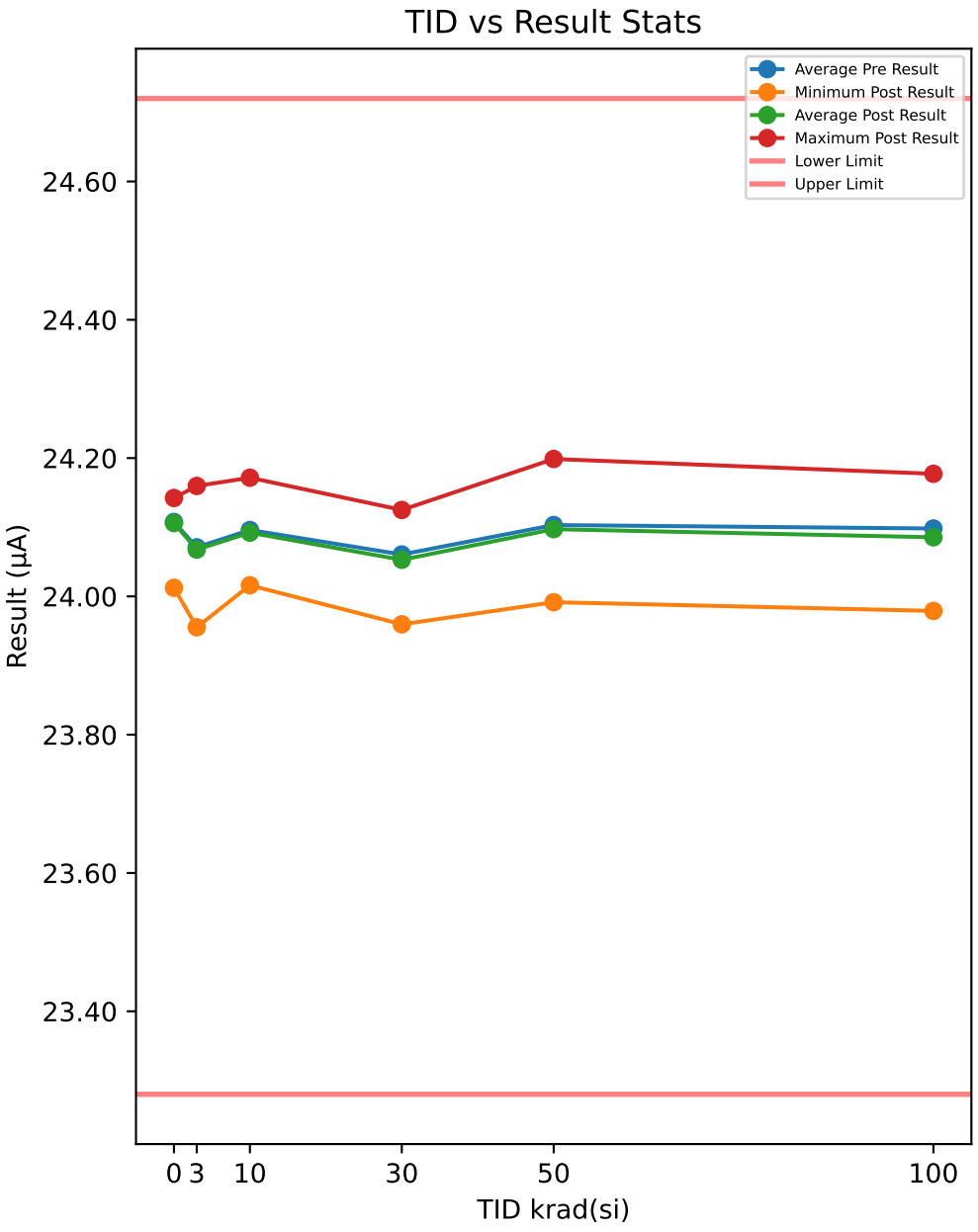
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	24.008	24.003	-0.005
2	3	Biased	24.03	24.023	-0.0068
3	3	Biased	24.22	24.218	-0.0018
4	3	Biased	24.109	24.114	0.005
5	3	Biased	24.093	24.091	-0.0017
6	3	Unbiased	24.098	24.097	-0.0011
7	3	Unbiased	24.059	24.055	-0.0044
8	3	Unbiased	24.09	24.095	0.0057
9	3	Unbiased	24.09	24.088	-0.002
10	3	Unbiased	24.166	24.162	-0.0041
11	10	Biased	24.141	24.133	-0.0084
12	10	Biased	24.053	24.044	-0.0094
13	10	Biased	24.062	24.068	0.0053
14	10	Biased	24.092	24.086	-0.0058
15	10	Biased	24.069	24.071	0.0015
16	10	Unbiased	24.176	24.176	-0.0004
17	10	Unbiased	24.109	24.112	0.0025
18	10	Unbiased	24.122	24.11	-0.012
19	10	Unbiased	24.106	24.114	0.0081
20	10	Unbiased	24.141	24.136	-0.0044
21	30	Biased	24.081	24.065	-0.0163
22	30	Biased	24.113	24.125	0.0117
23	30	Biased	24.127	24.122	-0.0057
24	30	Biased	24.063	24.073	0.0099
25	30	Biased	24.007	24.009	0.002
26	30	Unbiased	24.075	24.068	-0.0068
27	30	Unbiased	24.086	24.078	-0.0082
28	30	Unbiased	24.114	24.109	-0.0051
29	30	Unbiased	24.046	24.039	-0.0075
30	30	Unbiased	24.076	24.049	-0.0263
31	50	Biased	24.151	24.159	0.0079
32	50	Biased	24.052	24.046	-0.006
33	50	Biased	24.111	24.101	-0.01
34	50	Biased	24.111	24.111	-0.0001
35	50	Biased	24.168	24.161	-0.0068
36	50	Unbiased	24.045	24.055	0.0097
37	50	Unbiased	24.103	24.065	-0.0381
38	50	Unbiased	24.103	24.092	-0.0115
39	50	Unbiased	24.183	24.193	0.0099
40	50	Unbiased	24.076	24.079	0.003
41	100	Biased	24.016	24.009	-0.0063
42	100	Biased	24.134	24.092	-0.0418
43	100	Biased	24.19	24.212	0.0222
44	100	Biased	24.074	24.072	-0.0014
45	100	Biased	24.08	24.08	0.0004
46	100	Unbiased	24.179	24.175	-0.0037
47	100	Unbiased	24.136	24.122	-0.0135
48	100	Unbiased	24.032	24.049	0.0168
49	100	Unbiased	24.059	24.045	-0.0145
50	100	Unbiased	24.143	24.106	-0.0371
51	0	Correlation	24.125	24.129	0.0032
52	0	Correlation	24.148	24.147	-0.0006
53	0	Correlation	24.101	24.099	-0.0021
54	0	Correlation	24.081	24.08	-0.0018
55	0	Correlation	24.064	24.065	0.0015



Test Statistics (µA)

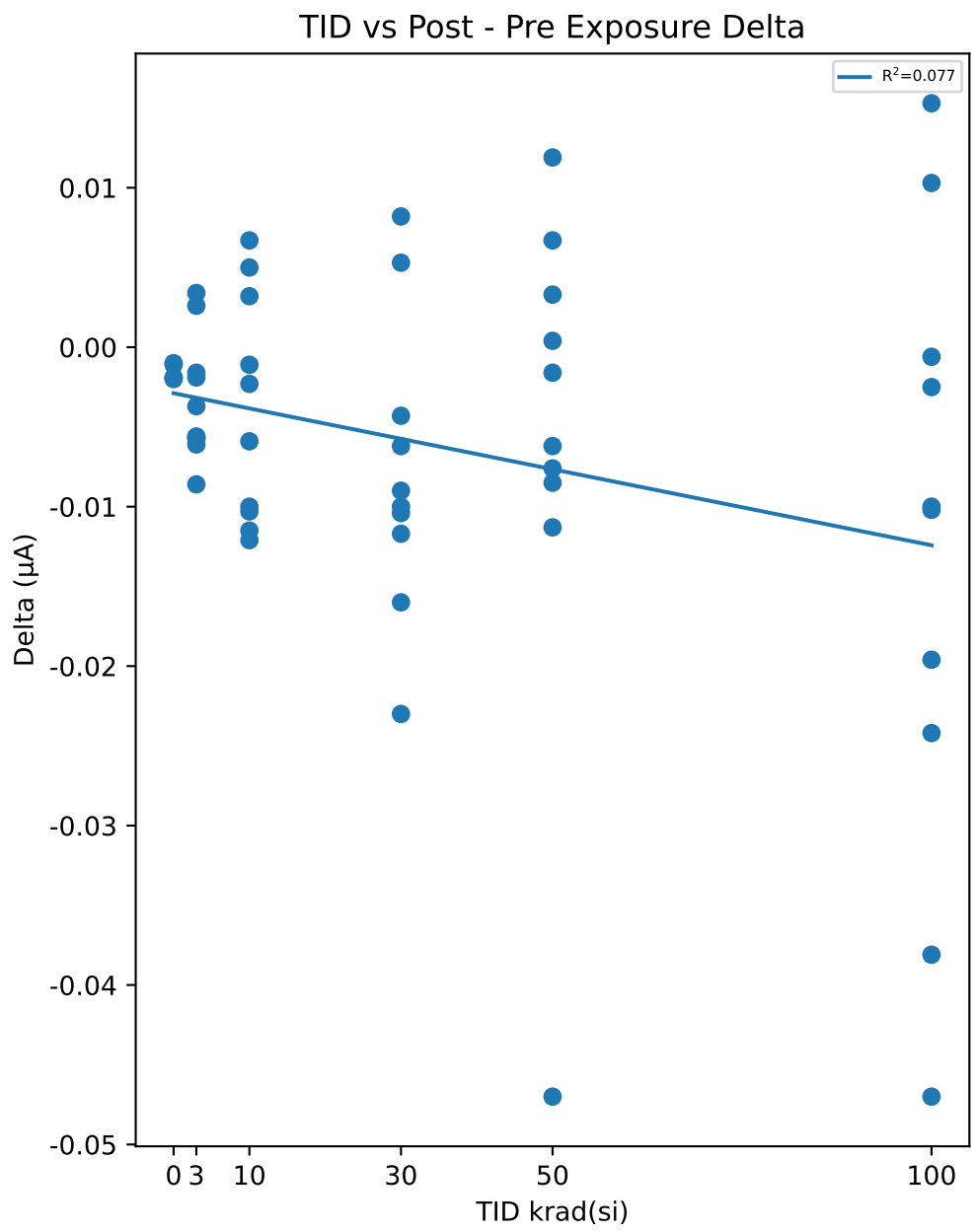
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	24.064	24.104	24.148	0.03344	24.065	24.104	24.147	0.033731	-0.0021	4e-05	0.0032	0.0022634
3	24.008	24.096	24.22	0.061477	24.003	24.095	24.218	0.062671	-0.0068	-0.00162	0.0057	0.0040824
10	24.053	24.107	24.176	0.039158	24.044	24.105	24.176	0.038777	-0.012	-0.0023	0.0081	0.0067114
30	24.007	24.079	24.127	0.035529	24.009	24.074	24.125	0.03697	-0.0263	-0.00523	0.0117	0.011309
50	24.045	24.11	24.183	0.046159	24.046	24.106	24.193	0.049746	-0.0381	-0.0042	0.0099	0.01435
100	24.016	24.104	24.19	0.060439	24.009	24.096	24.212	0.06122	-0.0418	-0.00789	0.0222	0.020342

Device Test: 6.33; IHYS



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

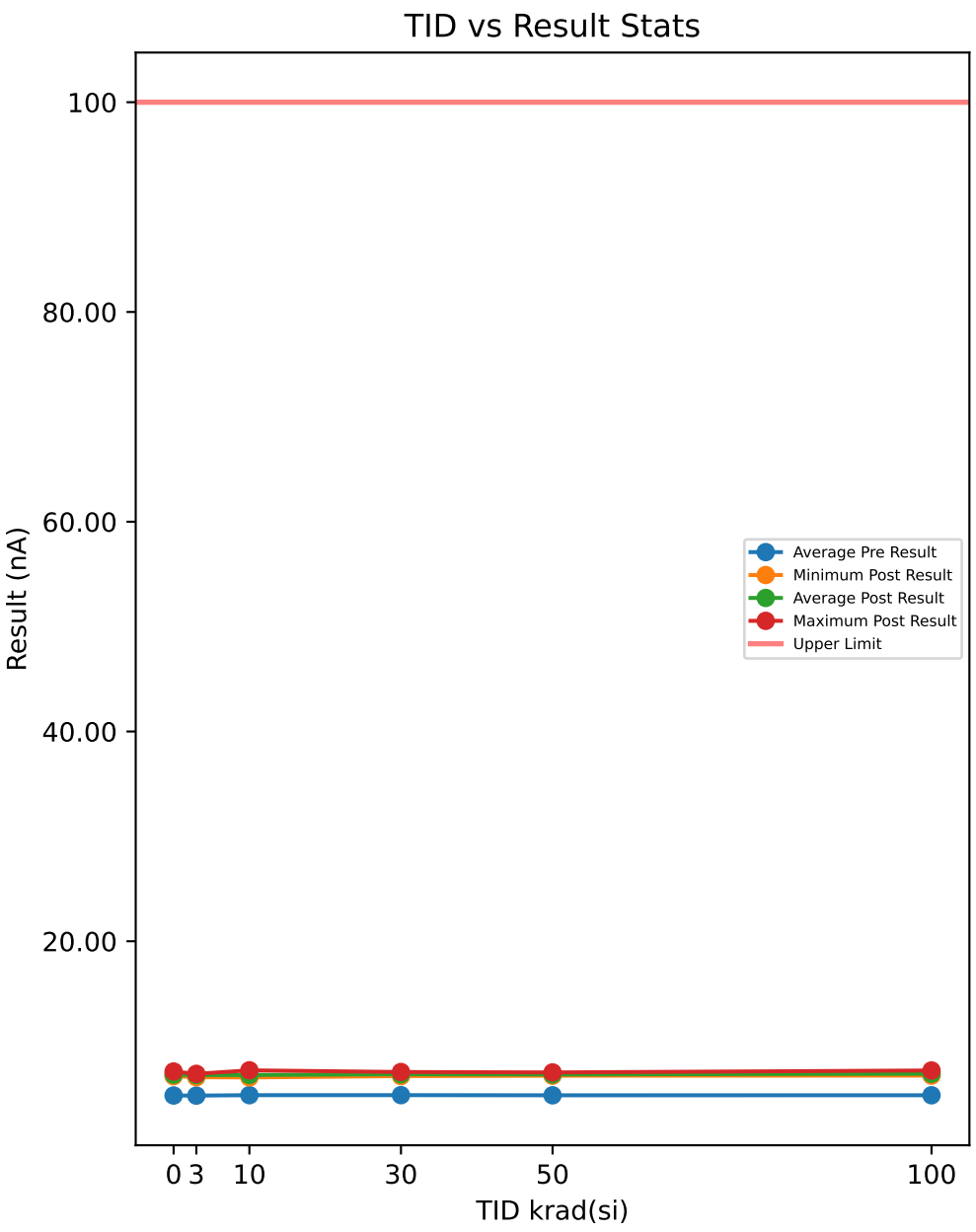
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.961	23.955	-0.0057
2	3	Biased	24.029	24.02	-0.0086
3	3	Biased	24.163	24.16	-0.0037
4	3	Biased	24.012	24.015	0.0026
5	3	Biased	24.063	24.061	-0.0016
6	3	Unbiased	24.083	24.078	-0.0056
7	3	Unbiased	23.997	23.991	-0.0057
8	3	Unbiased	24.108	24.112	0.0034
9	3	Unbiased	24.126	24.125	-0.0019
10	3	Unbiased	24.166	24.16	-0.0061
11	10	Biased	24.111	24.101	-0.01
12	10	Biased	24.091	24.08	-0.0115
13	10	Biased	24.076	24.081	0.005
14	10	Biased	24.098	24.092	-0.0059
15	10	Biased	24.13	24.128	-0.0023
16	10	Unbiased	24.173	24.172	-0.0011
17	10	Unbiased	24.109	24.112	0.0032
18	10	Unbiased	24.115	24.104	-0.0103
19	10	Unbiased	24.029	24.036	0.0067
20	10	Unbiased	24.028	24.016	-0.0121
21	30	Biased	24.026	24.01	-0.016
22	30	Biased	24.097	24.105	0.0082
23	30	Biased	24.135	24.125	-0.01
24	30	Biased	24.068	24.073	0.0053
25	30	Biased	23.964	23.96	-0.0043
26	30	Unbiased	24.012	24.001	-0.0117
27	30	Unbiased	24.06	24.051	-0.009
28	30	Unbiased	24.1	24.09	-0.0104
29	30	Unbiased	24.053	24.047	-0.0062
30	30	Unbiased	24.09	24.067	-0.023
31	50	Biased	24.198	24.199	0.0004
32	50	Biased	24.108	24.107	-0.0016
33	50	Biased	23.999	23.992	-0.0076
34	50	Biased	24.128	24.121	-0.0062
35	50	Biased	24.071	24.06	-0.0113
36	50	Unbiased	24.033	24.045	0.0119
37	50	Unbiased	24.154	24.107	-0.047
38	50	Unbiased	24.124	24.116	-0.0085
39	50	Unbiased	24.124	24.128	0.0033
40	50	Unbiased	24.092	24.099	0.0067
41	100	Biased	24.047	24.037	-0.01
42	100	Biased	24.095	24.048	-0.047
43	100	Biased	24.162	24.177	0.0153
44	100	Biased	24.111	24.11	-0.0006
45	100	Biased	24.072	24.062	-0.0102
46	100	Unbiased	24.174	24.172	-0.0025
47	100	Unbiased	24.174	24.15	-0.0242
48	100	Unbiased	24.066	24.076	0.0103
49	100	Unbiased	24.064	24.044	-0.0196
50	100	Unbiased	24.017	23.979	-0.0381
51	0	Correlation	24.129	24.128	-0.001
52	0	Correlation	24.14	24.139	-0.0011
53	0	Correlation	24.014	24.012	-0.0019
54	0	Correlation	24.144	24.142	-0.002
55	0	Correlation	24.11	24.108	-0.0019

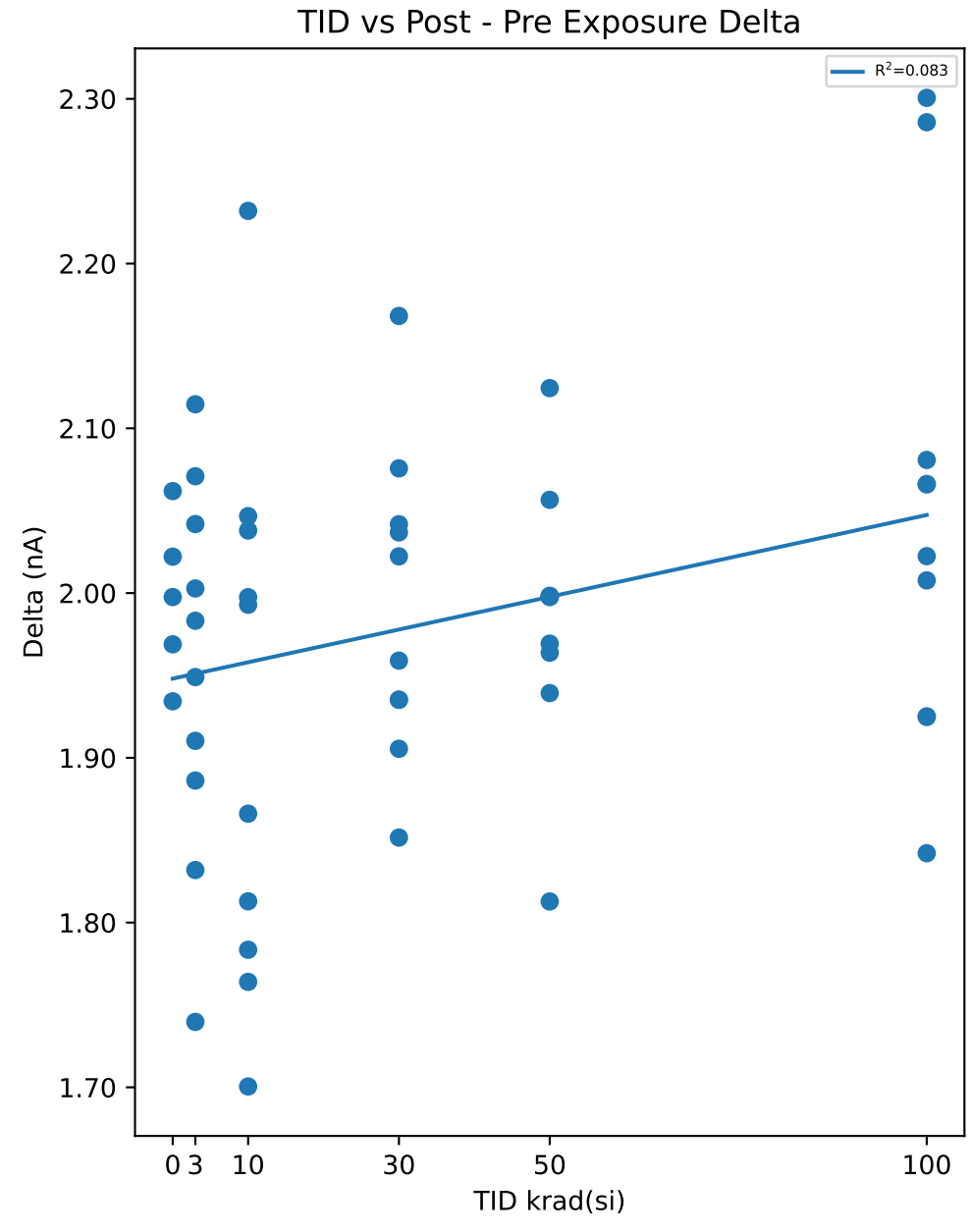


Test Statistics (µA)

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	24.014	24.108	24.144	0.053817	24.012	24.106	24.142	0.054013	-0.002	-0.00158	-0.001	0.00048683
3	23.961	24.071	24.166	0.070665	23.955	24.068	24.16	0.071246	-0.0086	-0.00329	0.0034	0.003908
10	24.028	24.096	24.173	0.043768	24.016	24.092	24.172	0.044002	-0.0121	-0.00383	0.0067	0.0071453
30	23.964	24.061	24.135	0.04977	23.96	24.053	24.125	0.050808	-0.023	-0.00771	0.0082	0.0092428
50	23.999	24.103	24.198	0.05782	23.992	24.097	24.199	0.055447	-0.047	-0.00599	0.0119	0.016147
100	24.017	24.098	24.174	0.055613	23.979	24.086	24.177	0.065027	-0.047	-0.01266	0.0153	0.01994

Device Test: 6.34; ILKG_WDI





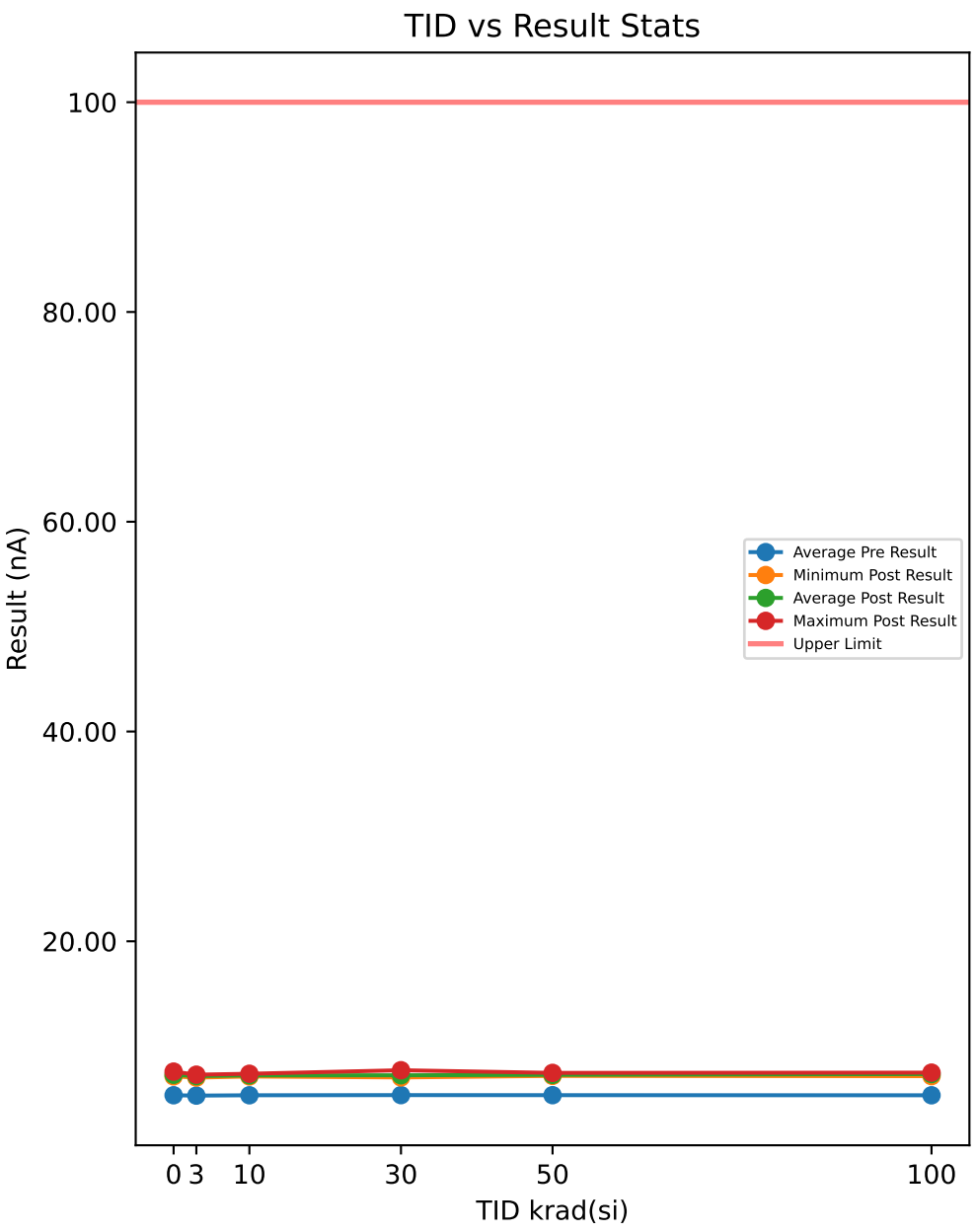
Test Results (Upper Limit = 100.0 (nA))

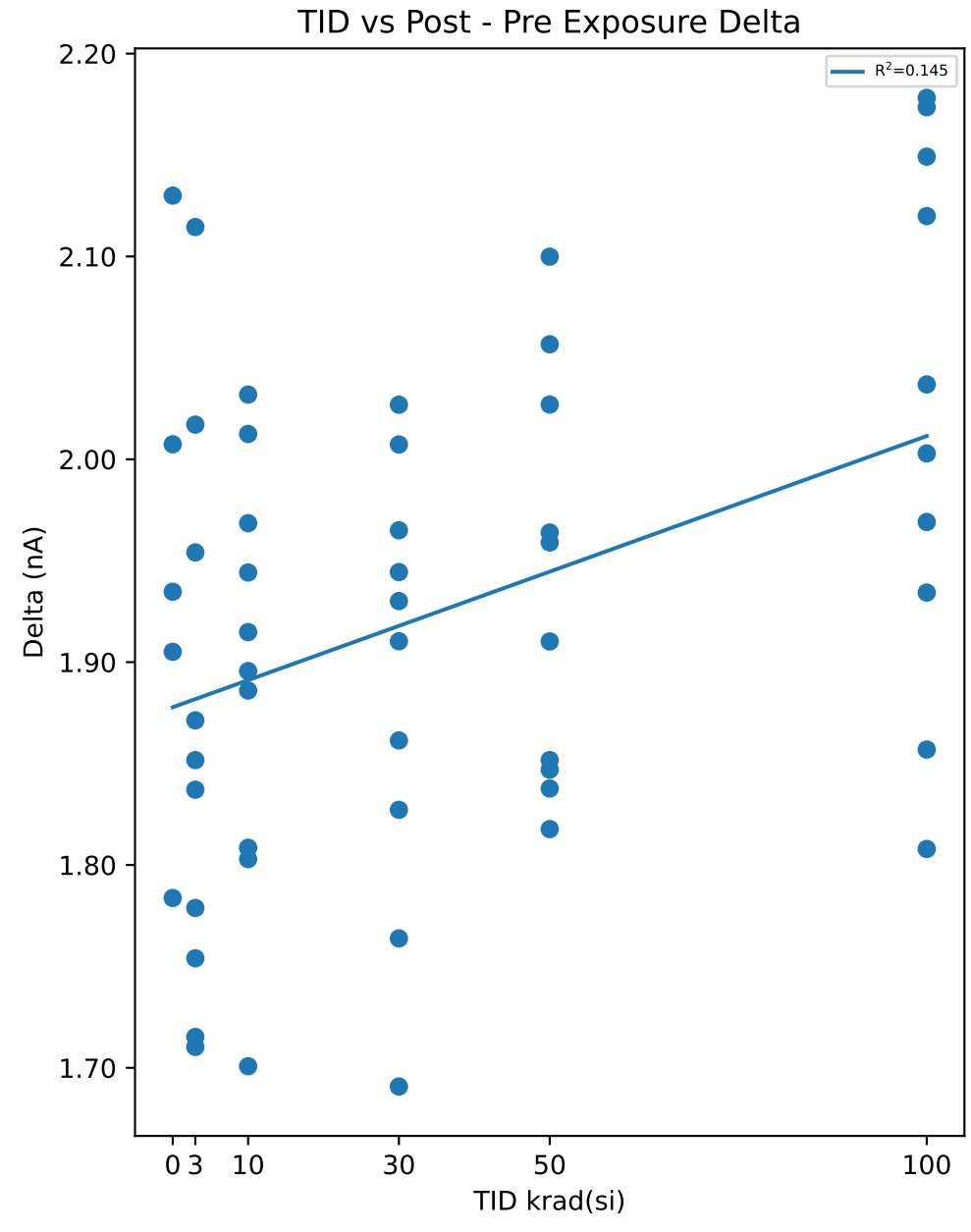
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	5.2401	7.2233	1.9832
2	3	Biased	5.279	7.2818	2.0028
3	3	Biased	5.2207	7.2916	2.0709
4	3	Biased	5.3325	7.2428	1.9103
5	3	Biased	5.3131	7.355	2.0419
6	3	Unbiased	5.3958	7.1355	1.7397
7	3	Unbiased	5.2255	7.1745	1.949
8	3	Unbiased	5.1672	7.2818	2.1146
9	3	Unbiased	5.4395	7.3257	1.8862
10	3	Unbiased	5.2012	7.0331	1.8319
11	10	Biased	5.386	7.1989	1.8129
12	10	Biased	5.2693	7.5013	2.232
13	10	Biased	5.352	7.116	1.764
14	10	Biased	5.3666	7.1501	1.7835
15	10	Biased	5.3131	7.0136	1.7005
16	10	Unbiased	5.3131	7.3598	2.0467
17	10	Unbiased	5.6535	7.6915	2.038
18	10	Unbiased	5.2353	7.2282	1.9929
19	10	Unbiased	5.2158	7.0819	1.8661
20	10	Unbiased	5.1185	7.116	1.9975
21	30	Biased	5.5514	7.4866	1.9352
22	30	Biased	5.5952	7.5305	1.9353
23	30	Biased	5.3714	7.2769	1.9055
24	30	Biased	5.1331	7.3013	2.1682
25	30	Biased	5.2596	7.2964	2.0368
26	30	Unbiased	5.2693	7.2916	2.0223
27	30	Unbiased	5.2644	7.3062	2.0418
28	30	Unbiased	5.2012	7.2769	2.0757
29	30	Unbiased	5.2888	7.1404	1.8516
30	30	Unbiased	5.3131	7.2721	1.959
31	50	Biased	5.5222	7.4915	1.9693
32	50	Biased	5.1769	7.3013	2.1244
33	50	Biased	5.3666	7.4232	2.0566
34	50	Biased	5.2644	7.2282	1.9638
35	50	Biased	5.3568	7.355	1.9982
36	50	Unbiased	5.4201	7.4184	1.9983
37	50	Unbiased	5.1817	7.1794	1.9977
38	50	Unbiased	5.3666	7.1794	1.8128
39	50	Unbiased	5.2401	7.1794	1.9393
40	50	Unbiased	5.2158	7.2135	1.9977
41	100	Biased	5.2888	7.355	2.0662
42	100	Biased	5.2888	7.3696	2.0808
43	100	Biased	5.3131	7.2379	1.9248
44	100	Biased	5.3763	7.6769	2.3006
45	100	Biased	5.459	7.3842	1.9252
46	100	Unbiased	5.1817	7.2477	2.066
47	100	Unbiased	5.3471	7.1892	1.8421
48	100	Unbiased	5.2644	7.2721	2.0077
49	100	Unbiased	5.3179	7.3403	2.0224
50	100	Unbiased	5.3033	7.5891	2.2858
51	0	Correlation	5.3666	7.3355	1.9689
52	0	Correlation	5.2012	7.1355	1.9343
53	0	Correlation	5.5174	7.5793	2.0619
54	0	Correlation	5.1769	7.1745	1.9976
55	0	Correlation	5.1866	7.2087	2.0221

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	5.1769	5.2897	5.5174	0.14912	7.1355	7.2867	7.5793	0.17995	1.9343	1.997	2.0619	0.048896
3	5.1672	5.2815	5.4395	0.087998	7.0331	7.2345	7.355	0.097028	1.7397	1.953	2.1146	0.11439
10	5.1185	5.3223	5.6535	0.14143	7.0136	7.2457	7.6915	0.21163	1.7005	1.9234	2.232	0.16467
30	5.1331	5.3247	5.5952	0.14571	7.1404	7.3179	7.5305	0.11165	1.8516	1.9931	2.1682	0.093196
50	5.1769	5.3111	5.5222	0.11341	7.1794	7.2969	7.4915	0.11789	1.8128	1.9858	2.1244	0.080044
100	5.1817	5.314	5.459	0.072546	7.1892	7.3662	7.6769	0.15565	1.8421	2.0522	2.3006	0.14789

Device Test: 6.35; ILKG_WDI





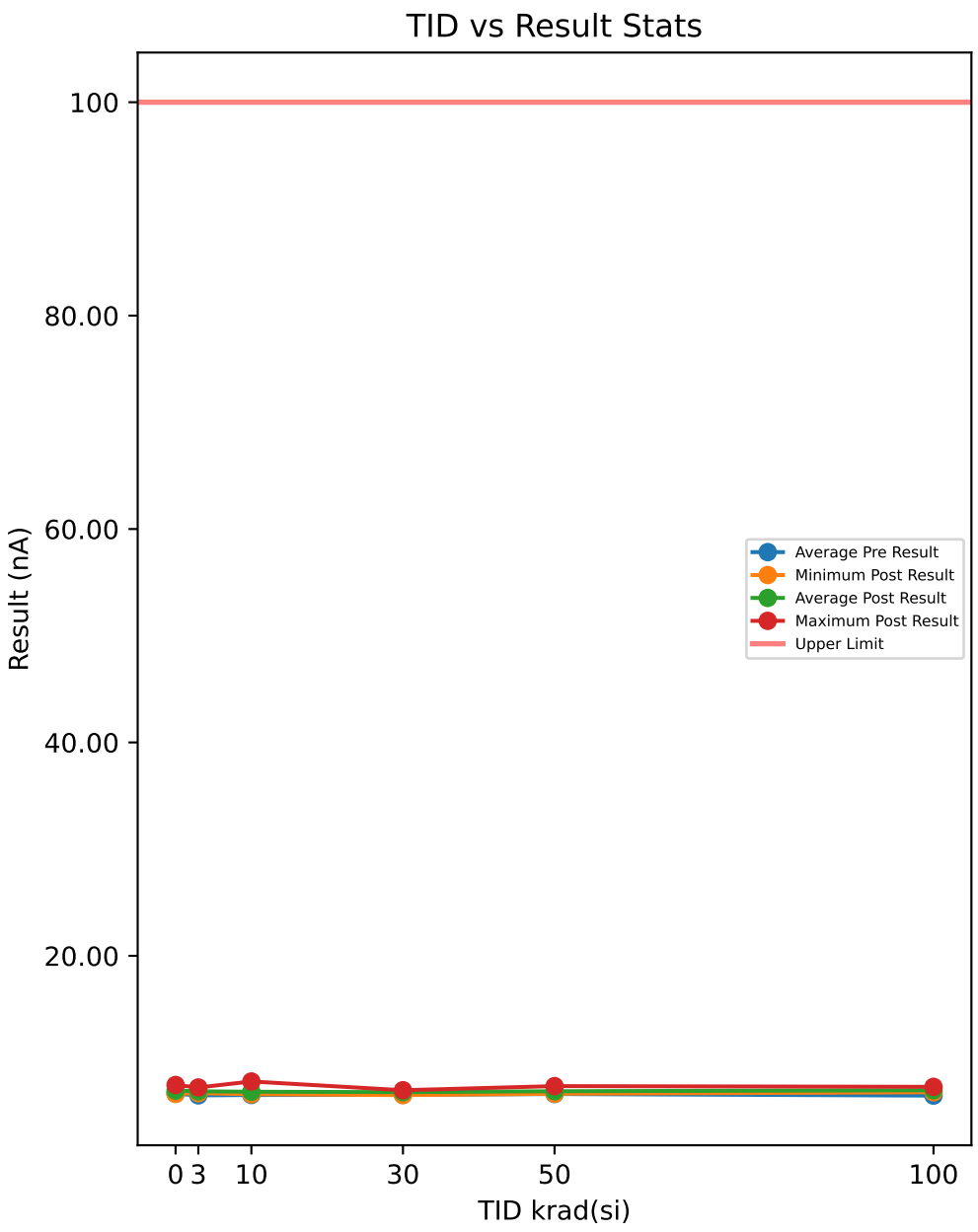
Test Results (Upper Limit = 100.0 (nA))

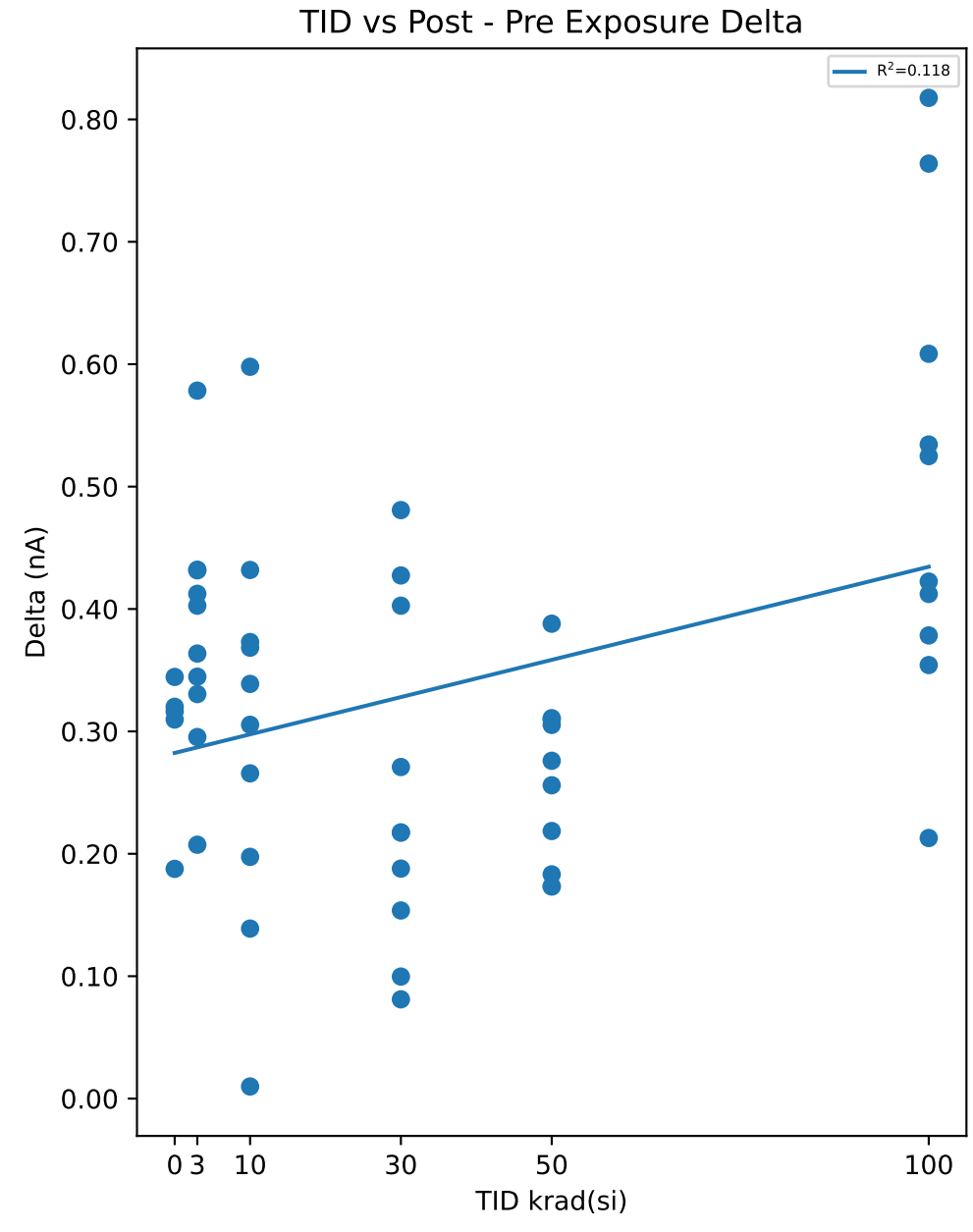
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	5.1039	7.2184	2.1145
2	3	Biased	5.3131	7.1648	1.8517
3	3	Biased	5.2498	7.0038	1.754
4	3	Biased	5.3228	7.038	1.7152
5	3	Biased	5.386	7.1648	1.7788
6	3	Unbiased	5.3471	7.2184	1.8713
7	3	Unbiased	5.3179	7.155	1.8371
8	3	Unbiased	5.1623	7.1794	2.0171
9	3	Unbiased	5.3277	7.2818	1.9541
10	3	Unbiased	5.3325	7.0428	1.7103
11	10	Biased	5.2888	7.233	1.9442
12	10	Biased	5.3228	7.2184	1.8956
13	10	Biased	5.2255	7.194	1.9685
14	10	Biased	5.4493	7.1501	1.7008
15	10	Biased	5.3082	7.1111	1.8029
16	10	Unbiased	5.3568	7.2428	1.886
17	10	Unbiased	5.5611	7.3696	1.8085
18	10	Unbiased	5.2109	7.2428	2.0319
19	10	Unbiased	5.2207	7.1355	1.9148
20	10	Unbiased	5.2401	7.2526	2.0125
21	30	Biased	5.4541	7.3842	1.9301
22	30	Biased	5.7411	7.7061	1.965
23	30	Biased	5.2839	7.1453	1.8614
24	30	Biased	5.1185	7.1258	2.0073
25	30	Biased	5.352	7.0428	1.6908
26	30	Unbiased	5.1769	7.2038	2.0269
27	30	Unbiased	5.2742	7.1014	1.8272
28	30	Unbiased	5.2547	7.0185	1.7638
29	30	Unbiased	5.3666	7.2769	1.9103
30	30	Unbiased	5.3033	7.2477	1.9444
31	50	Biased	5.3958	7.4525	2.0567
32	50	Biased	5.3228	7.1745	1.8517
33	50	Biased	5.3471	7.1648	1.8177
34	50	Biased	5.2936	7.2038	1.9102
35	50	Biased	5.386	7.233	1.847
36	50	Unbiased	5.5514	7.3891	1.8377
37	50	Unbiased	5.1331	7.233	2.0999
38	50	Unbiased	5.3228	7.2867	1.9639
39	50	Unbiased	5.3277	7.2867	1.959
40	50	Unbiased	5.1963	7.2233	2.027
41	100	Biased	5.2693	7.3062	2.0369
42	100	Biased	5.3131	7.316	2.0029
43	100	Biased	5.4152	7.2721	1.8569
44	100	Biased	5.3179	7.4671	2.1492
45	100	Biased	5.3082	7.4281	2.1199
46	100	Unbiased	5.2061	7.1404	1.9343
47	100	Unbiased	5.3033	7.4769	2.1736
48	100	Unbiased	5.3617	7.1696	1.8079
49	100	Unbiased	5.2158	7.394	2.1782
50	100	Unbiased	5.459	7.4281	1.9691
51	0	Correlation	5.352	7.2867	1.9347
52	0	Correlation	5.2158	7.1209	1.9051
53	0	Correlation	5.4444	7.5744	2.13
54	0	Correlation	5.1866	7.194	2.0074
55	0	Correlation	5.4006	7.1843	1.7837

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	5.1866	5.3199	5.4444	0.11363	7.1209	7.2721	7.5744	0.17907	1.7837	1.9522	2.13	0.12804
3	5.1039	5.2863	5.386	0.088514	7.0038	7.1467	7.2818	0.090283	1.7103	1.8604	2.1145	0.13343
10	5.2109	5.3184	5.5611	0.11273	7.1111	7.215	7.3696	0.07376	1.7008	1.8966	2.0319	0.10247
30	5.1185	5.3325	5.7411	0.1719	7.0185	7.2252	7.7061	0.20215	1.6908	1.8927	2.0269	0.10719
50	5.1331	5.3277	5.5514	0.11294	7.1648	7.2647	7.4525	0.092653	1.8177	1.9371	2.0999	0.1002
100	5.2061	5.317	5.459	0.079514	7.1404	7.3399	7.4769	0.11951	1.8079	2.0229	2.1782	0.13221

Device Test: 6.36; ILKG_MODE





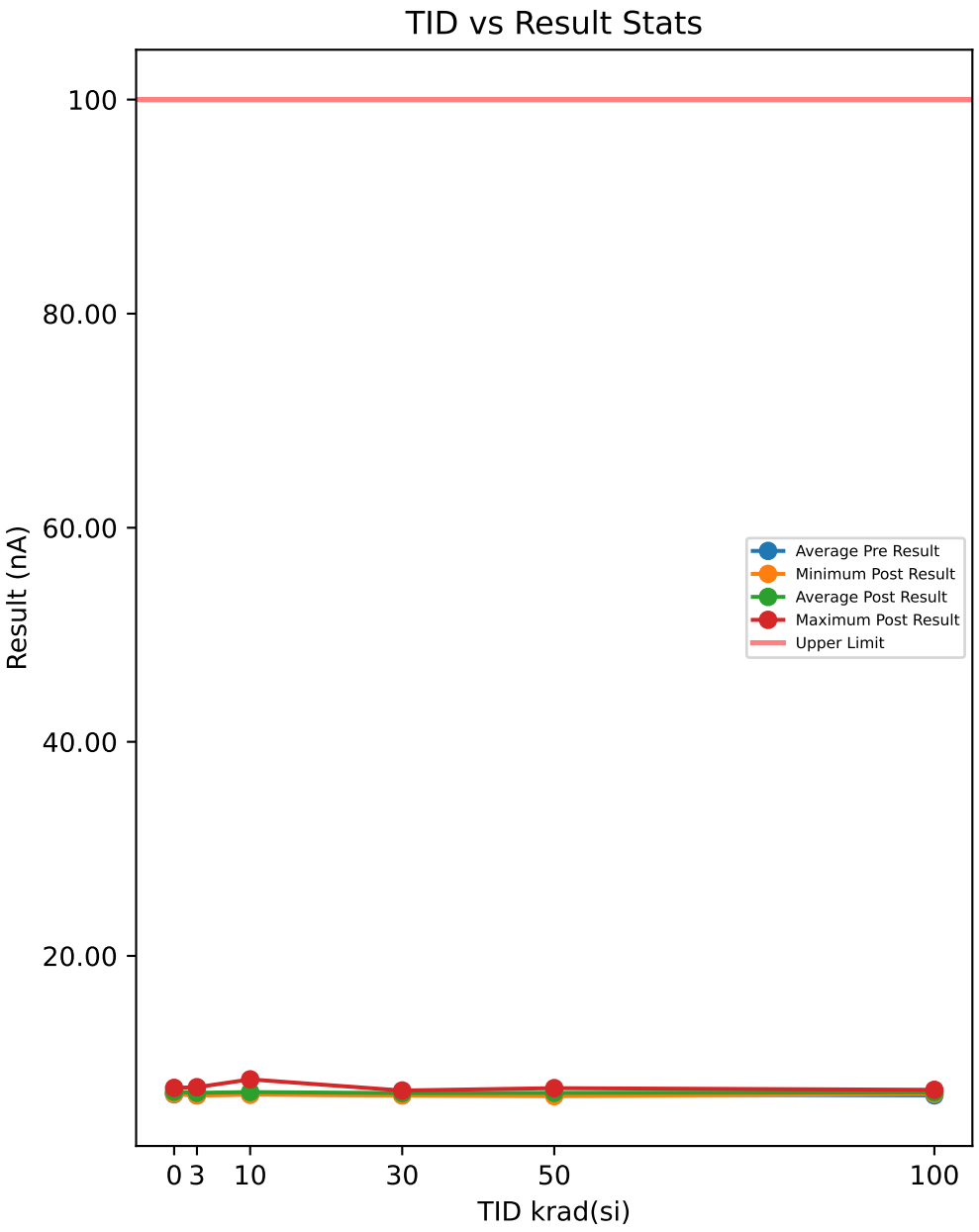
Test Results (Upper Limit = 100.0 (nA))

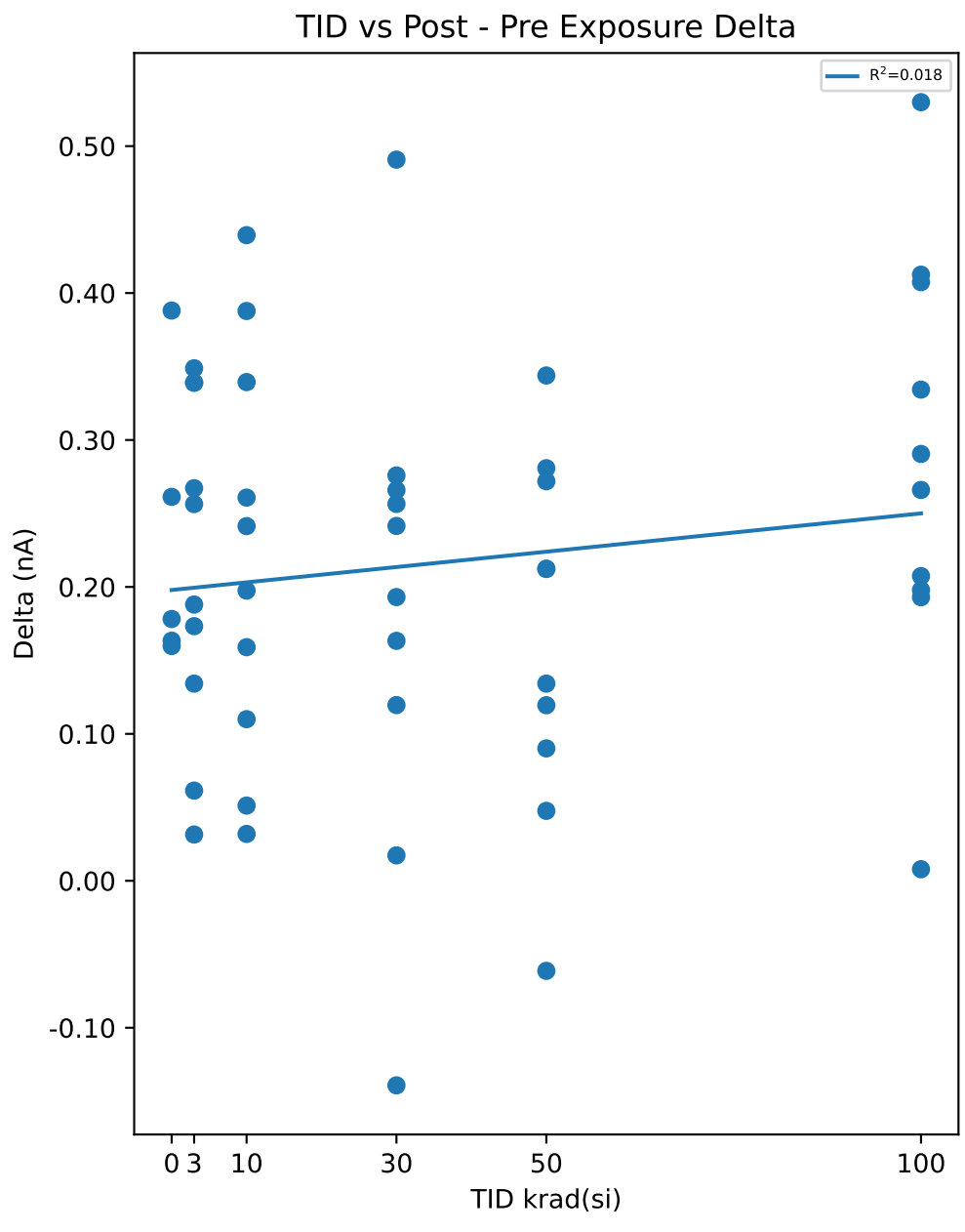
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	6.7716	7.35	0.5784
2	3	Biased	7.1373	7.482	0.3447
3	3	Biased	6.952	7.2474	0.2954
4	3	Biased	6.8252	7.1888	0.3636
5	3	Biased	6.6985	7.1301	0.4316
6	3	Unbiased	7.3323	7.6628	0.3305
7	3	Unbiased	6.952	7.1594	0.2074
8	3	Unbiased	6.8545	7.2572	0.4027
9	3	Unbiased	6.8935	7.3256	0.4321
10	3	Unbiased	6.8155	7.2279	0.4124
11	10	Biased	6.8691	7.0666	0.1975
12	10	Biased	7.0788	7.3842	0.3054
13	10	Biased	6.8155	7.2474	0.4319
14	10	Biased	6.6838	7.0568	0.373
15	10	Biased	6.8155	7.1839	0.3684
16	10	Unbiased	8.2148	8.2247	0.0099
17	10	Unbiased	6.7765	7.0422	0.2657
18	10	Unbiased	6.6936	7.0324	0.3388
19	10	Unbiased	6.7277	7.3256	0.5979
20	10	Unbiased	6.9228	7.0617	0.1389
21	30	Biased	6.952	7.1399	0.1879
22	30	Biased	6.8252	7.306	0.4808
23	30	Biased	6.9764	7.4038	0.4274
24	30	Biased	7.2689	7.35	0.0811
25	30	Biased	7.03	7.2474	0.2174
26	30	Unbiased	6.952	7.1057	0.1537
27	30	Unbiased	7.0349	7.2523	0.2174
28	30	Unbiased	6.9618	7.2327	0.2709
29	30	Unbiased	6.8594	7.2621	0.4027
30	30	Unbiased	6.8496	6.9493	0.0997
31	50	Biased	6.8838	7.2718	0.388
32	50	Biased	7.0398	7.3451	0.3053
33	50	Biased	7.0056	7.1888	0.1832
34	50	Biased	6.8204	7.0764	0.256
35	50	Biased	6.9861	7.2621	0.276
36	50	Unbiased	7.1032	7.2767	0.1735
37	50	Unbiased	7.5712	7.7898	0.2186
38	50	Unbiased	7.3031	7.6139	0.3108
39	50	Unbiased	6.8106	7.1204	0.3098
40	50	Unbiased	6.9764	7.1497	0.1733
41	100	Biased	7.1129	7.7214	0.6085
42	100	Biased	6.8642	7.3891	0.5249
43	100	Biased	7.2104	7.4233	0.2129
44	100	Biased	7.0056	7.3598	0.3542
45	100	Biased	6.9374	7.3158	0.3784
46	100	Unbiased	6.8009	7.2132	0.4123
47	100	Unbiased	6.7619	7.2963	0.5344
48	100	Unbiased	6.6448	7.4624	0.8176
49	100	Unbiased	6.7034	7.4673	0.7639
50	100	Unbiased	6.9618	7.3842	0.4224
51	0	Correlation	7.0593	7.4038	0.3445
52	0	Correlation	6.8789	7.0666	0.1877
53	0	Correlation	6.7862	7.0959	0.3097
54	0	Correlation	7.0739	7.394	0.3201
55	0	Correlation	7.581	7.8973	0.3163

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	6.7862	7.0759	7.581	0.30747	7.0666	7.3715	7.8973	0.33427	0.1877	0.29566	0.3445	0.061768
3	6.6985	6.9232	7.3323	0.18712	7.1301	7.3031	7.6628	0.16282	0.2074	0.37988	0.5784	0.098442
10	6.6838	6.9598	8.2148	0.45643	7.0324	7.2626	8.2247	0.3611	0.0099	0.30274	0.5979	0.1631
30	6.8252	6.971	7.2689	0.12719	6.9493	7.2249	7.4038	0.13095	0.0811	0.2539	0.4808	0.13933
50	6.8106	7.05	7.5712	0.2328	7.0764	7.3095	7.7898	0.22597	0.1733	0.25945	0.388	0.071784
100	6.6448	6.9003	7.2104	0.18012	7.2132	7.4033	7.7214	0.13617	0.2129	0.50295	0.8176	0.18743

Device Test: 6.37; ILKG_MODE





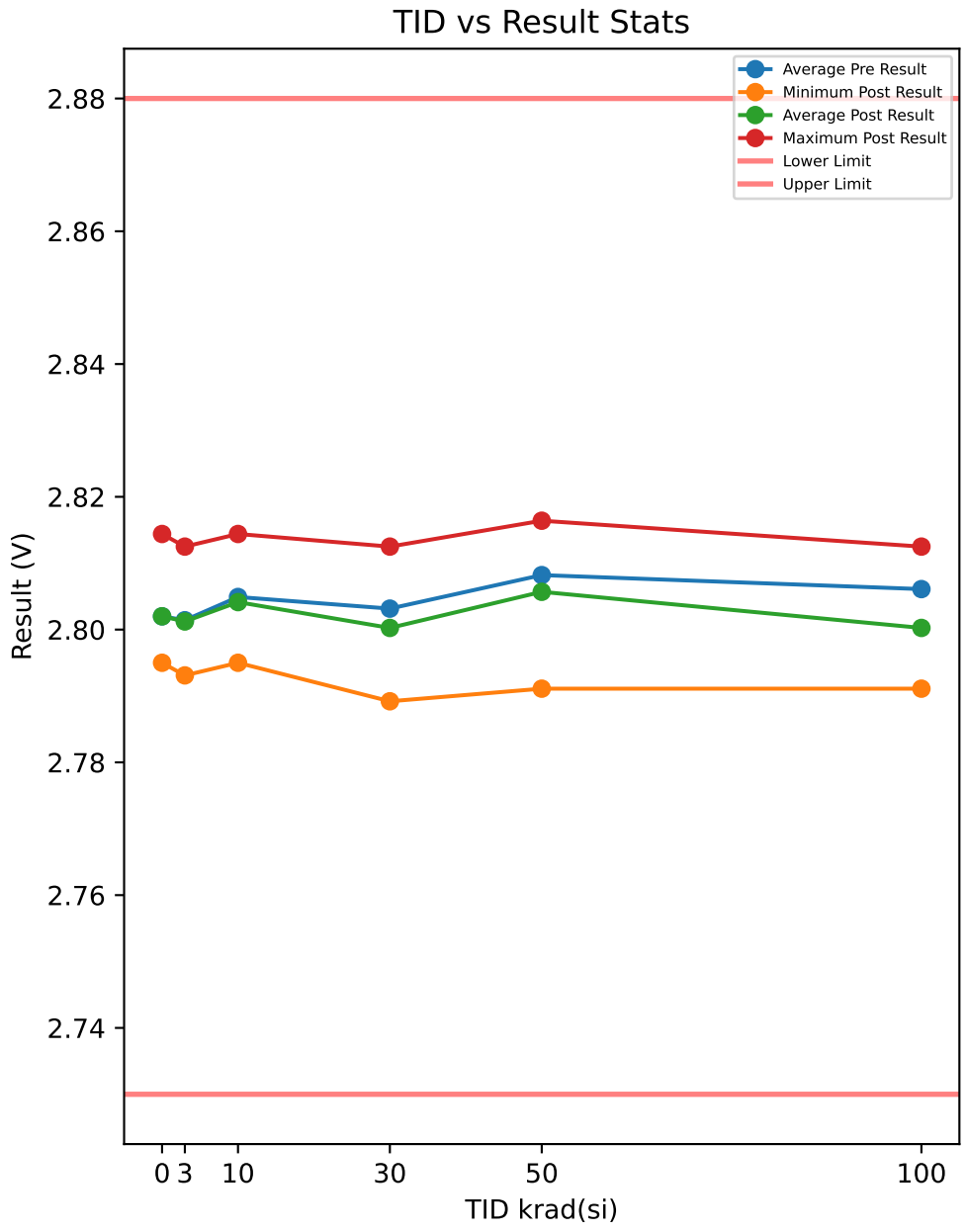
Test Results (Upper Limit = 100.0 (nA))

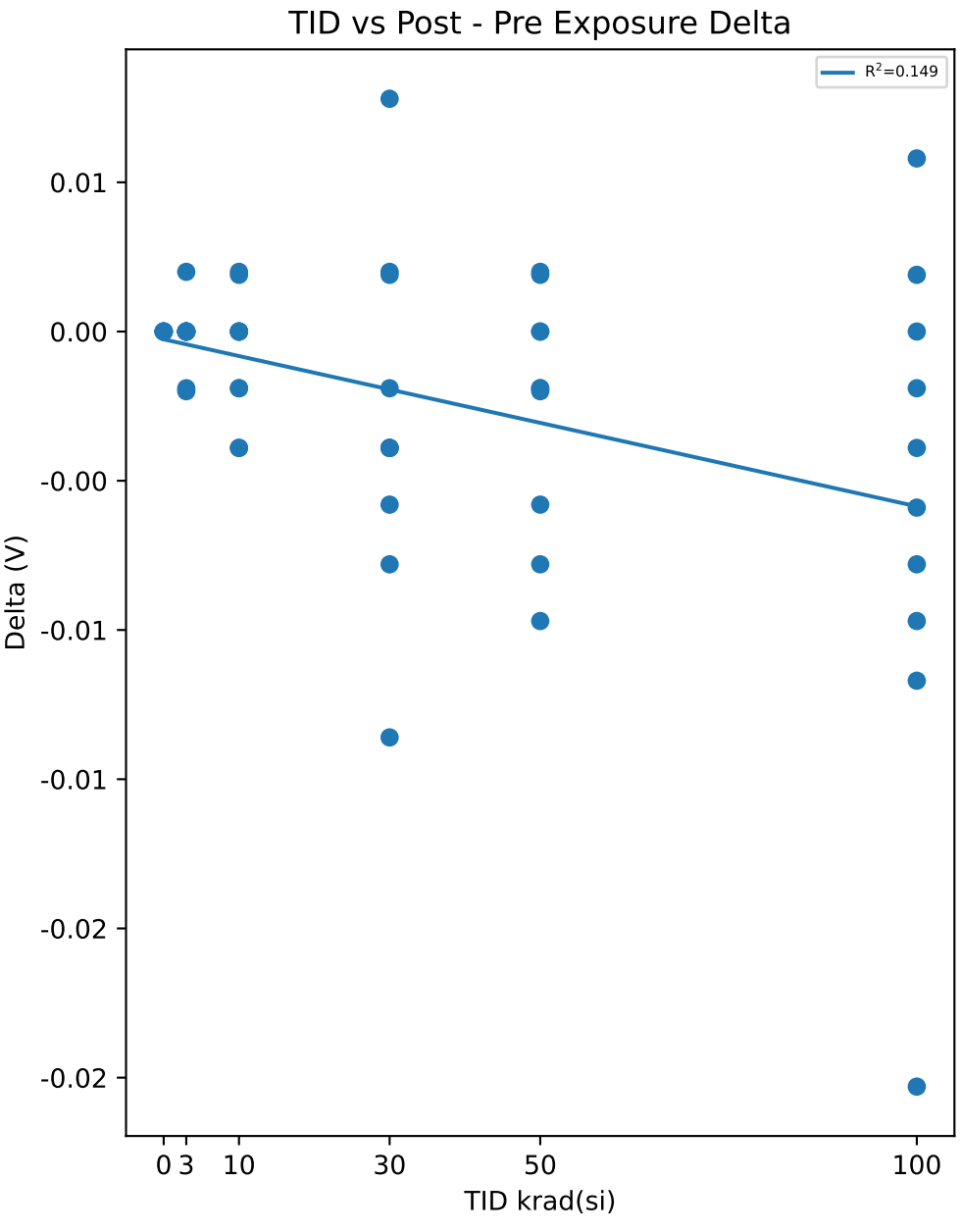
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	6.9764	7.1497	0.1733
2	3	Biased	7.2056	7.267	0.0614
3	3	Biased	6.9325	6.964	0.0315
4	3	Biased	6.8009	7.1497	0.3488
5	3	Biased	6.7667	7.1057	0.339
6	3	Unbiased	7.464	7.7312	0.2672
7	3	Unbiased	6.9959	7.1301	0.1342
8	3	Unbiased	7.0105	7.1985	0.188
9	3	Unbiased	6.991	7.2474	0.2564
10	3	Unbiased	6.7814	7.1204	0.339
11	10	Biased	7.0934	7.2034	0.11
12	10	Biased	7.108	7.267	0.159
13	10	Biased	6.9569	7.2963	0.3394
14	10	Biased	6.8447	7.0422	0.1975
15	10	Biased	6.7765	7.1643	0.3878
16	10	Unbiased	8.0247	8.4641	0.4394
17	10	Unbiased	7.0056	7.0568	0.0512
18	10	Unbiased	6.835	7.0764	0.2414
19	10	Unbiased	7.1373	7.1692	0.0319
20	10	Unbiased	6.7911	7.0519	0.2608
21	30	Biased	6.9959	7.1155	0.1196
22	30	Biased	6.8691	7.135	0.2659
23	30	Biased	6.9325	7.4233	0.4908
24	30	Biased	7.1032	7.2963	0.1931
25	30	Biased	7.1275	7.1448	0.0173
26	30	Unbiased	7.0593	7.3158	0.2565
27	30	Unbiased	7.1032	6.964	-0.1392
28	30	Unbiased	6.9715	7.2474	0.2759
29	30	Unbiased	6.9179	7.1594	0.2415
30	30	Unbiased	6.8447	7.008	0.1633
31	50	Biased	6.874	7.0862	0.2122
32	50	Biased	6.9959	7.2767	0.2808
33	50	Biased	6.7765	7.1204	0.3439
34	50	Biased	6.9569	6.8956	-0.0613
35	50	Biased	6.9618	7.0813	0.1195
36	50	Unbiased	6.9764	7.1888	0.2124
37	50	Unbiased	7.5956	7.6432	0.0476
38	50	Unbiased	7.3469	7.6188	0.2719
39	50	Unbiased	6.9179	7.008	0.0901
40	50	Unbiased	6.9959	7.1301	0.1342
41	100	Biased	7.3323	7.3402	0.0079
42	100	Biased	7.0642	7.2621	0.1979
43	100	Biased	7.0349	7.2279	0.193
44	100	Biased	6.9569	7.4868	0.5299
45	100	Biased	6.9423	7.2083	0.266
46	100	Unbiased	6.913	7.1204	0.2074
47	100	Unbiased	6.8545	7.267	0.4125
48	100	Unbiased	6.8838	7.2181	0.3343
49	100	Unbiased	6.7716	7.179	0.4074
50	100	Unbiased	6.9325	7.223	0.2905
51	0	Correlation	6.9861	7.1643	0.1782
52	0	Correlation	6.9423	7.1057	0.1634
53	0	Correlation	7.0105	7.2718	0.2613
54	0	Correlation	6.9228	7.3109	0.3881
55	0	Correlation	7.5078	7.6676	0.1598

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	6.9228	7.0739	7.5078	0.24502	7.1057	7.3041	7.6676	0.21916	0.1598	0.23016	0.3881	0.097496
3	6.7667	6.9925	7.464	0.21192	6.964	7.2064	7.7312	0.20259	0.0315	0.21388	0.3488	0.11515
10	6.7765	7.0573	8.0247	0.36564	7.0422	7.2792	8.4641	0.42608	0.0319	0.22184	0.4394	0.13858
30	6.8447	6.9925	7.1275	0.10214	6.964	7.181	7.4233	0.14134	-0.1392	0.18847	0.4908	0.16818
50	6.7765	7.0398	7.5956	0.24398	6.8956	7.2049	7.6432	0.24616	-0.0613	0.16513	0.3439	0.12245
100	6.7716	6.9686	7.3323	0.15277	7.1204	7.2533	7.4868	0.10019	0.0079	0.28468	0.5299	0.1464

Device Test: 6.38; UVLO_RISE





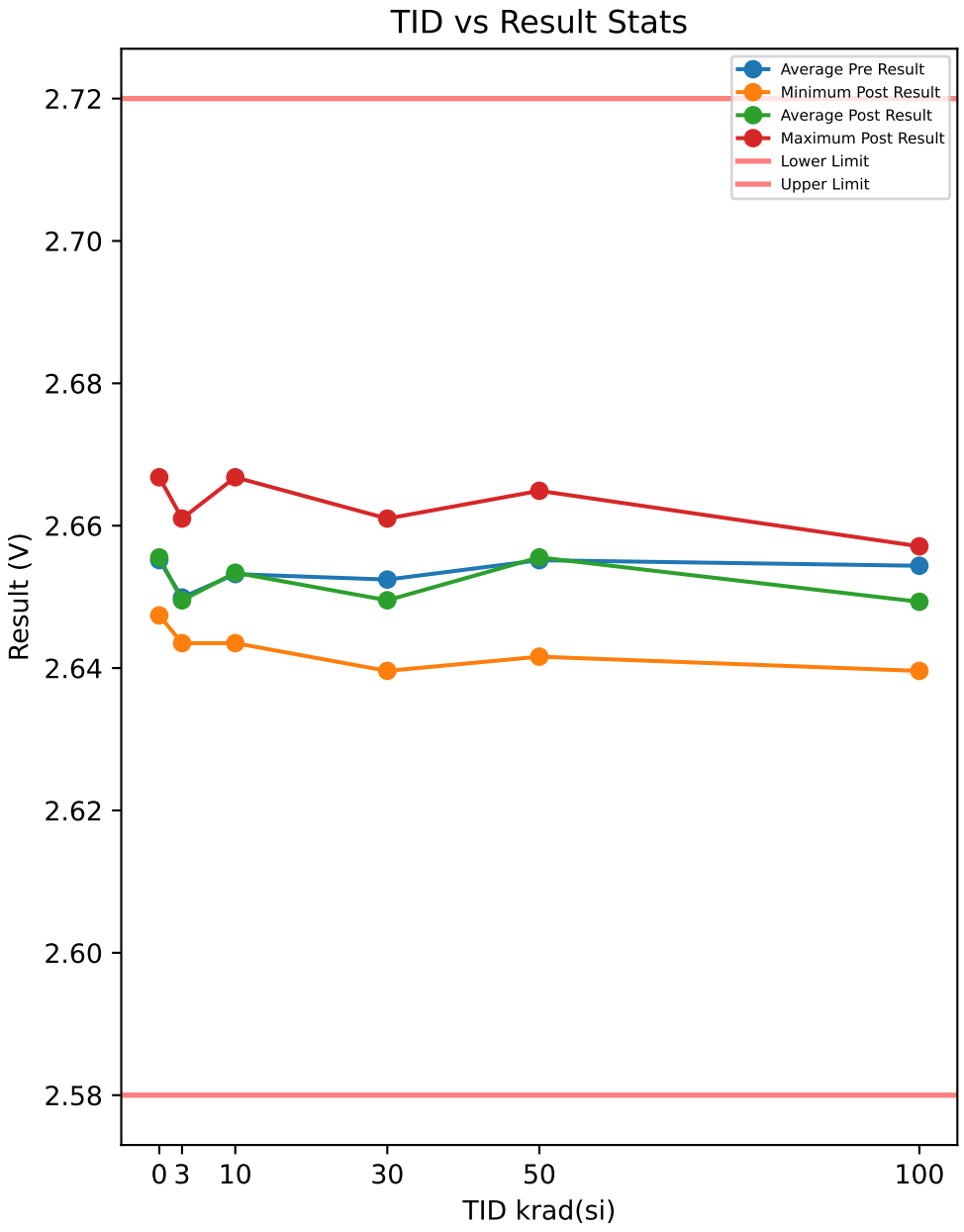
Test Results (Lower Limit = 2.73, Upper Limit = 2.88 (V))

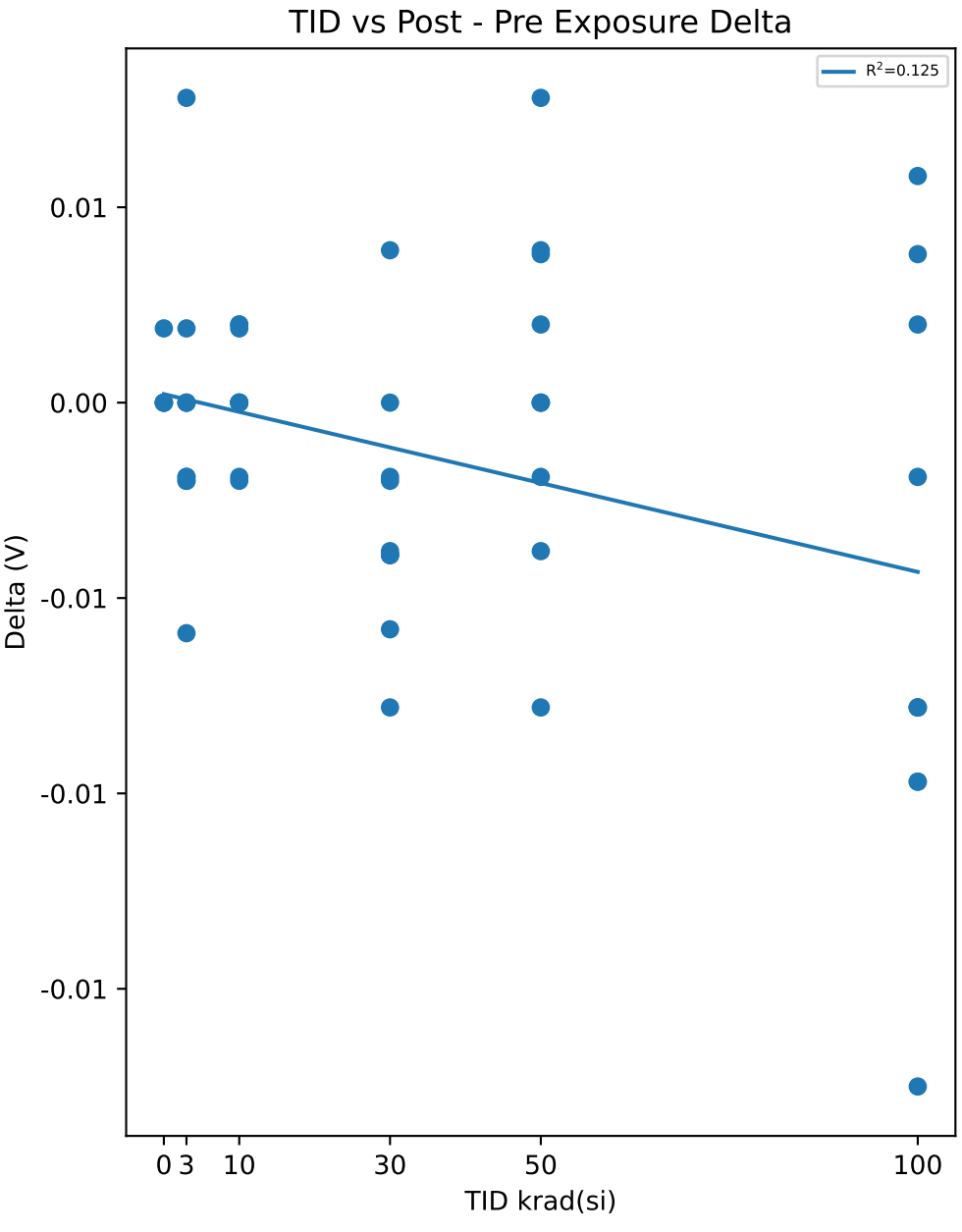
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.8047	2.8047	0
2	3	Biased	2.7931	2.7931	0
3	3	Biased	2.7989	2.7969	-0.002
4	3	Biased	2.7989	2.7989	0
5	3	Biased	2.8047	2.8047	0
6	3	Unbiased	2.8144	2.8125	-0.0019
7	3	Unbiased	2.8008	2.8028	0.002
8	3	Unbiased	2.8028	2.8028	0
9	3	Unbiased	2.7989	2.7989	0
10	3	Unbiased	2.7969	2.7969	0
11	10	Biased	2.8047	2.8067	0.002
12	10	Biased	2.8144	2.8144	0
13	10	Biased	2.8028	2.7989	-0.0039
14	10	Biased	2.8144	2.8125	-0.0019
15	10	Biased	2.8028	2.8047	0.0019
16	10	Unbiased	2.7989	2.7989	0
17	10	Unbiased	2.8125	2.8086	-0.0039
18	10	Unbiased	2.795	2.795	0
19	10	Unbiased	2.8028	2.8028	0
20	10	Unbiased	2.8008	2.7989	-0.0019
21	30	Biased	2.8047	2.8028	-0.0019
22	30	Biased	2.8047	2.7969	-0.0078
23	30	Biased	2.8067	2.8086	0.0019
24	30	Biased	2.795	2.7892	-0.0058
25	30	Biased	2.8067	2.8028	-0.0039
26	30	Unbiased	2.7969	2.7989	0.002
27	30	Unbiased	2.8028	2.7989	-0.0039
28	30	Unbiased	2.8047	2.8125	0.0078
29	30	Unbiased	2.8144	2.8008	-0.0136
30	30	Unbiased	2.795	2.7911	-0.0039
31	50	Biased	2.8144	2.8125	-0.0019
32	50	Biased	2.8125	2.8105	-0.002
33	50	Biased	2.8144	2.8164	0.002
34	50	Biased	2.8008	2.7911	-0.0097
35	50	Biased	2.8028	2.8028	0
36	50	Unbiased	2.8222	2.8164	-0.0058
37	50	Unbiased	2.8028	2.795	-0.0078
38	50	Unbiased	2.8028	2.8047	0.0019
39	50	Unbiased	2.795	2.795	0
40	50	Unbiased	2.8144	2.8125	-0.0019
41	100	Biased	2.8028	2.7931	-0.0097
42	100	Biased	2.8164	2.7911	-0.0253
43	100	Biased	2.8067	2.8008	-0.0059
44	100	Biased	2.8067	2.8086	0.0019
45	100	Biased	2.8086	2.8047	-0.0039
46	100	Unbiased	2.7931	2.7931	0
47	100	Unbiased	2.7969	2.795	-0.0019
48	100	Unbiased	2.8067	2.8125	0.0058
49	100	Unbiased	2.8067	2.7989	-0.0078
50	100	Unbiased	2.8164	2.8047	-0.0117
51	0	Correlation	2.8028	2.8028	0
52	0	Correlation	2.795	2.795	0
53	0	Correlation	2.795	2.795	0
54	0	Correlation	2.8144	2.8144	0
55	0	Correlation	2.8028	2.8028	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	2.795	2.802	2.8144	0.0079536	2.795	2.802	2.8144	0.0079536	0	0	0	0
3	2.7931	2.8014	2.8144	0.005783	2.7931	2.8012	2.8125	0.0054821	-0.002	-0.00019	0.002	0.001118
10	2.795	2.8049	2.8144	0.0066862	2.795	2.8041	2.8144	0.0064085	-0.0039	-0.00077	0.002	0.0020902
30	2.795	2.8032	2.8144	0.0060645	2.7892	2.8003	2.8125	0.0071007	-0.0136	-0.00291	0.0078	0.0058921
50	2.795	2.8082	2.8222	0.0084741	2.7911	2.8057	2.8164	0.0094048	-0.0097	-0.00252	0.002	0.0039986
100	2.7931	2.8061	2.8164	0.0073364	2.7911	2.8003	2.8125	0.0072652	-0.0253	-0.00585	0.0058	0.0086959

Device Test: 6.39; UVLO_FALL





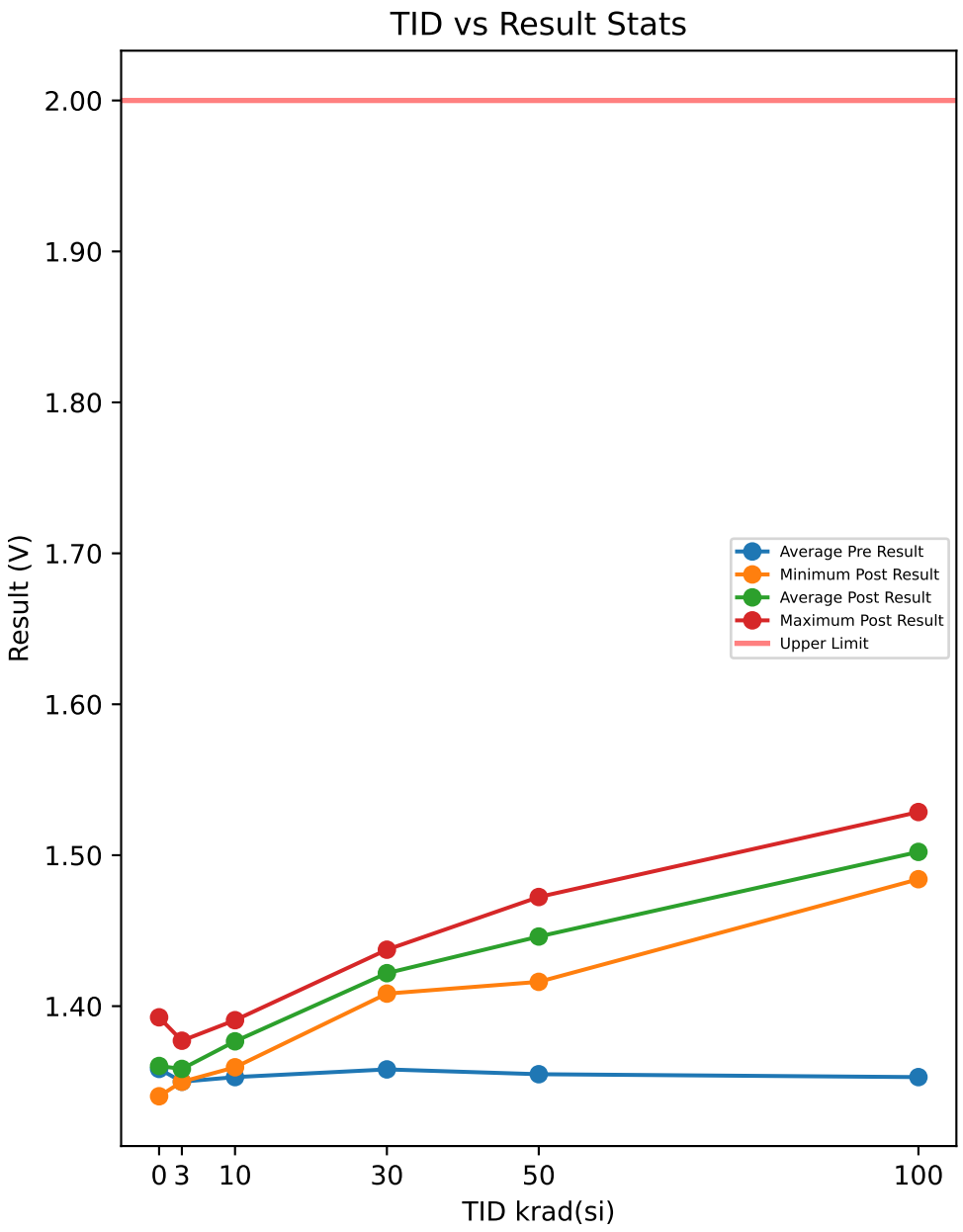
Test Results (Lower Limit = 2.58, Upper Limit = 2.72 (V))

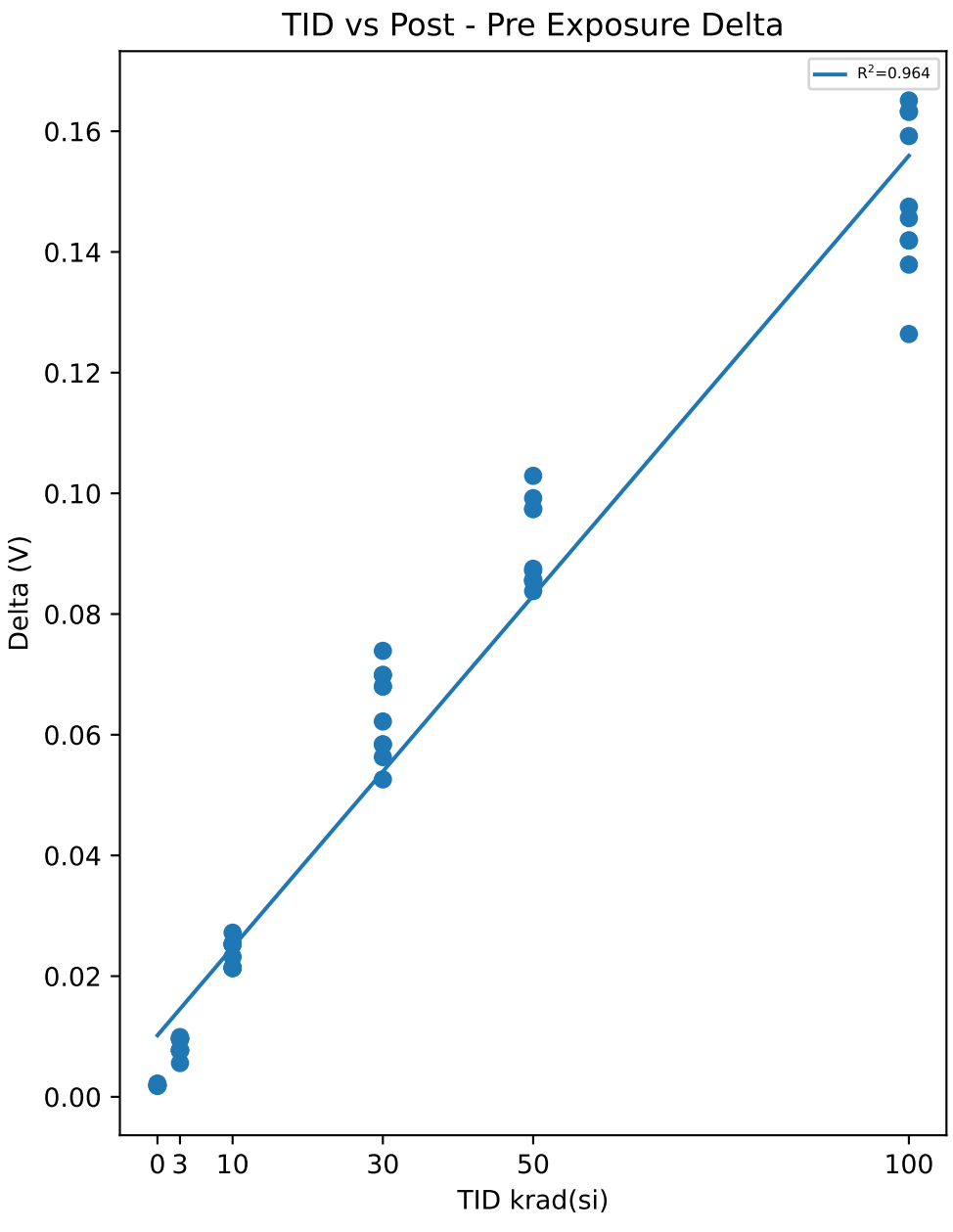
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.6513	2.6493	-0.002
2	3	Biased	2.6454	2.6435	-0.0019
3	3	Biased	2.6513	2.6454	-0.0059
4	3	Biased	2.6435	2.6435	0
5	3	Biased	2.6513	2.6532	0.0019
6	3	Unbiased	2.6571	2.6571	0
7	3	Unbiased	2.6532	2.6513	-0.0019
8	3	Unbiased	2.6532	2.661	0.0078
9	3	Unbiased	2.6454	2.6454	0
10	3	Unbiased	2.6474	2.6454	-0.002
11	10	Biased	2.6513	2.6532	0.0019
12	10	Biased	2.659	2.661	0.002
13	10	Biased	2.6474	2.6454	-0.002
14	10	Biased	2.6687	2.6668	-0.0019
15	10	Biased	2.6513	2.6513	0
16	10	Unbiased	2.6454	2.6454	0
17	10	Unbiased	2.6629	2.6629	0
18	10	Unbiased	2.6435	2.6435	0
19	10	Unbiased	2.6571	2.6571	0
20	10	Unbiased	2.6454	2.6474	0.002
21	30	Biased	2.6551	2.6513	-0.0038
22	30	Biased	2.6513	2.6493	-0.002
23	30	Biased	2.661	2.6532	-0.0078
24	30	Biased	2.6435	2.6435	0
25	30	Biased	2.6551	2.6493	-0.0058
26	30	Unbiased	2.6454	2.6435	-0.0019
27	30	Unbiased	2.6513	2.6474	-0.0039
28	30	Unbiased	2.6532	2.6571	0.0039
29	30	Unbiased	2.6649	2.661	-0.0039
30	30	Unbiased	2.6435	2.6396	-0.0039
31	50	Biased	2.661	2.6649	0.0039
32	50	Biased	2.6571	2.6571	0
33	50	Biased	2.6571	2.6649	0.0078
34	50	Biased	2.6454	2.6474	0.002
35	50	Biased	2.6532	2.6532	0
36	50	Unbiased	2.6668	2.6649	-0.0019
37	50	Unbiased	2.6474	2.6474	0
38	50	Unbiased	2.6513	2.6551	0.0038
39	50	Unbiased	2.6454	2.6416	-0.0038
40	50	Unbiased	2.6668	2.659	-0.0078
41	100	Biased	2.6571	2.6396	-0.0175
42	100	Biased	2.659	2.6493	-0.0097
43	100	Biased	2.6551	2.6454	-0.0097
44	100	Biased	2.6513	2.6551	0.0038
45	100	Biased	2.6571	2.6493	-0.0078
46	100	Unbiased	2.6493	2.6513	0.002
47	100	Unbiased	2.6435	2.6416	-0.0019
48	100	Unbiased	2.6513	2.6571	0.0058
49	100	Unbiased	2.6571	2.6493	-0.0078
50	100	Unbiased	2.6629	2.6551	-0.0078
51	0	Correlation	2.661	2.661	0
52	0	Correlation	2.6474	2.6474	0
53	0	Correlation	2.6474	2.6474	0
54	0	Correlation	2.6668	2.6668	0
55	0	Correlation	2.6532	2.6551	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	2.6474	2.6552	2.6668	0.0085713	2.6474	2.6555	2.6668	0.0085046	0	0.00038	0.0019	0.00084971
3	2.6435	2.6499	2.6571	0.0043103	2.6435	2.6495	2.661	0.0060499	-0.0059	-0.0004	0.0078	0.0035415
10	2.6435	2.6532	2.6687	0.0084316	2.6435	2.6534	2.6668	0.0082173	-0.002	0.0002	0.002	0.0014461
30	2.6435	2.6524	2.6649	0.0071123	2.6396	2.6495	2.661	0.0065101	-0.0078	-0.00291	0.0039	0.0032092
50	2.6454	2.6551	2.6668	0.0080421	2.6416	2.6555	2.6649	0.008231	-0.0078	0.0004	0.0078	0.0043688
100	2.6435	2.6544	2.6629	0.0055758	2.6396	2.6493	2.6571	0.0057803	-0.0175	-0.00506	0.0058	0.0072771

Device Test: 6.40; VIN_VALID





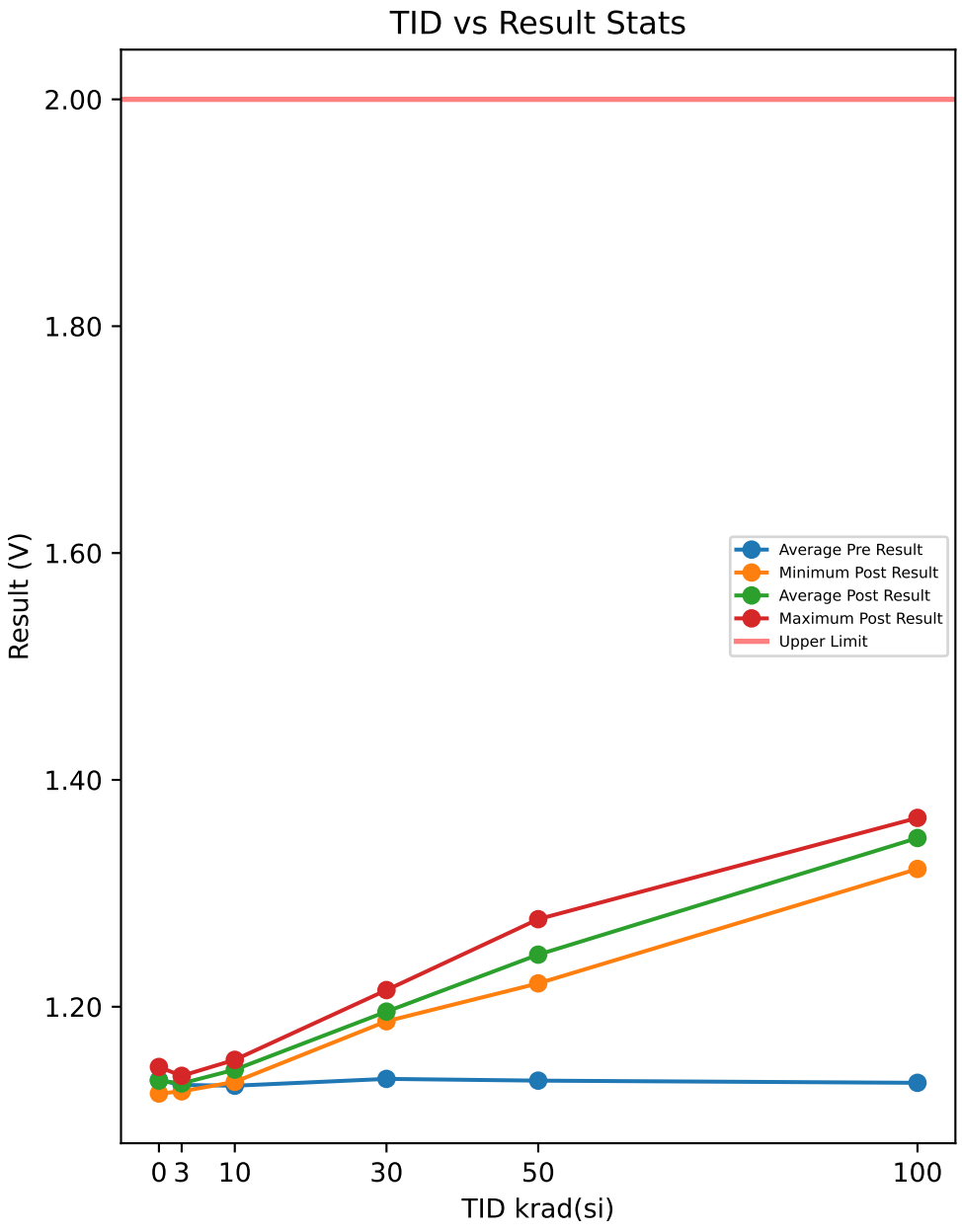
Test Results (Upper Limit = 2.0 (V))

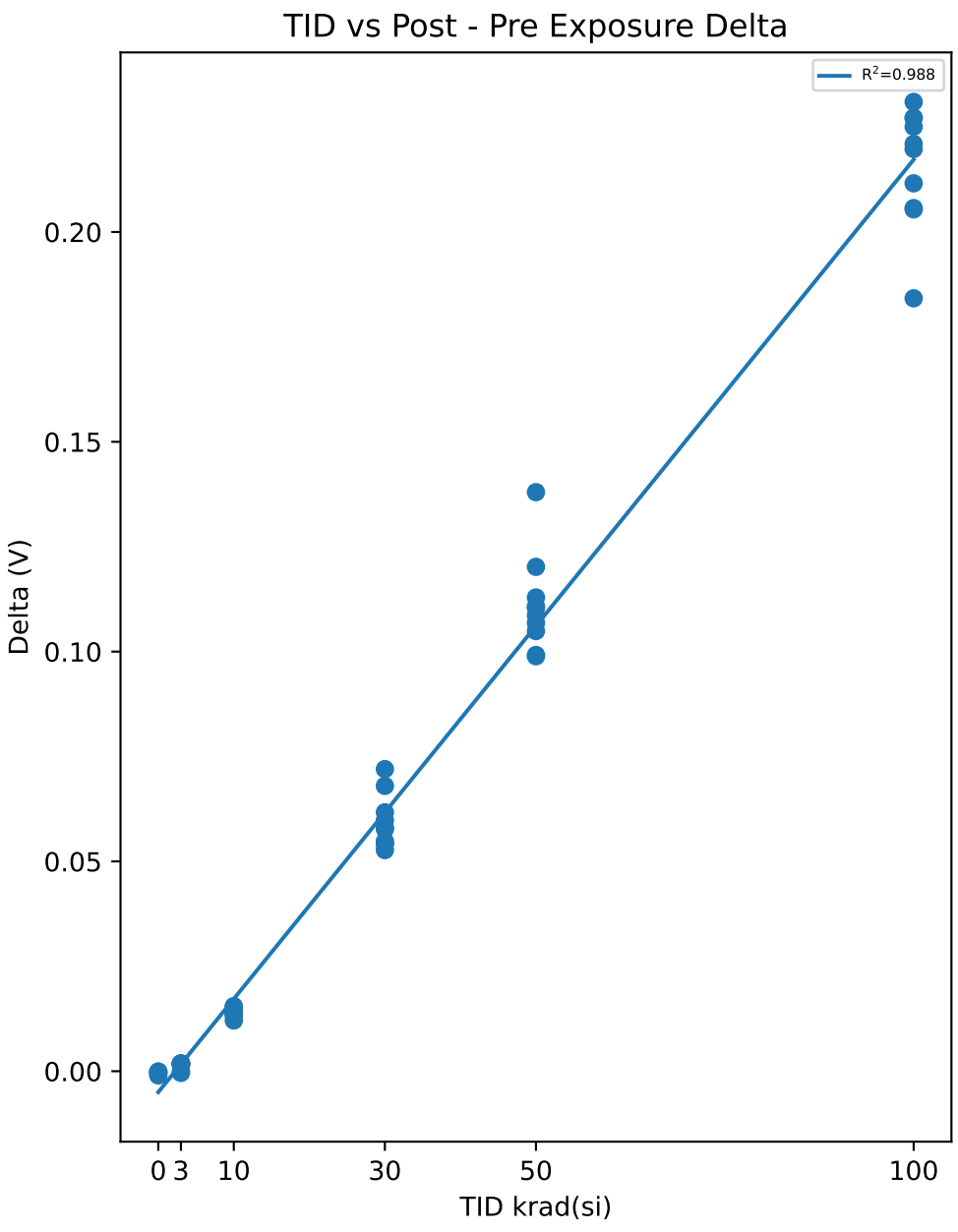
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.3675	1.3771	0.0096
2	3	Biased	1.344	1.3517	0.0077
3	3	Biased	1.3539	1.3595	0.0056
4	3	Biased	1.3539	1.3635	0.0096
5	3	Biased	1.3539	1.3616	0.0077
6	3	Unbiased	1.3558	1.3654	0.0096
7	3	Unbiased	1.3422	1.3499	0.0077
8	3	Unbiased	1.344	1.3539	0.0099
9	3	Unbiased	1.3403	1.3499	0.0096
10	3	Unbiased	1.344	1.3517	0.0077
11	10	Biased	1.3654	1.3907	0.0253
12	10	Biased	1.3576	1.379	0.0214
13	10	Biased	1.3381	1.3595	0.0214
14	10	Biased	1.3654	1.3867	0.0213
15	10	Biased	1.3576	1.379	0.0214
16	10	Unbiased	1.3363	1.3616	0.0253
17	10	Unbiased	1.3558	1.3811	0.0253
18	10	Unbiased	1.3422	1.3675	0.0253
19	10	Unbiased	1.3576	1.3848	0.0272
20	10	Unbiased	1.3539	1.3771	0.0232
21	30	Biased	1.3635	1.4161	0.0526
22	30	Biased	1.3616	1.4238	0.0622
23	30	Biased	1.3576	1.4139	0.0563
24	30	Biased	1.3771	1.4355	0.0584
25	30	Biased	1.3499	1.4083	0.0584
26	30	Unbiased	1.3499	1.4198	0.0699
27	30	Unbiased	1.3558	1.4238	0.068
28	30	Unbiased	1.3694	1.4374	0.068
29	30	Unbiased	1.3422	1.4161	0.0739
30	30	Unbiased	1.3539	1.4238	0.0699
31	50	Biased	1.3595	1.4451	0.0856
32	50	Biased	1.348	1.4334	0.0854
33	50	Biased	1.3539	1.4411	0.0872
34	50	Biased	1.3595	1.4433	0.0838
35	50	Biased	1.3304	1.4161	0.0857
36	50	Unbiased	1.3595	1.4569	0.0974
37	50	Unbiased	1.3499	1.4374	0.0875
38	50	Unbiased	1.3694	1.4723	0.1029
39	50	Unbiased	1.3595	1.4569	0.0974
40	50	Unbiased	1.3595	1.4587	0.0992
41	100	Biased	1.3422	1.4841	0.1419
42	100	Biased	1.3576	1.4995	0.1419
43	100	Biased	1.3539	1.5014	0.1475
44	100	Biased	1.3499	1.4878	0.1379
45	100	Biased	1.3595	1.4859	0.1264
46	100	Unbiased	1.3595	1.5227	0.1632
47	100	Unbiased	1.3499	1.4955	0.1456
48	100	Unbiased	1.3363	1.4955	0.1592
49	100	Unbiased	1.3576	1.5209	0.1633
50	100	Unbiased	1.3635	1.5286	0.1651
51	0	Correlation	1.3771	1.379	0.0019
52	0	Correlation	1.3381	1.3403	0.0022
53	0	Correlation	1.3907	1.3926	0.0019
54	0	Correlation	1.344	1.3459	0.0019
55	0	Correlation	1.3422	1.344	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	1.3381	1.3584	1.3907	0.023848	1.3403	1.3604	1.3926	0.023801	0.0018	0.00194	0.0022	0.00015166
3	1.3403	1.35	1.3675	0.0084881	1.3499	1.3584	1.3771	0.0087602	0.0056	0.00847	0.0099	0.0014048
10	1.3363	1.353	1.3654	0.010526	1.3595	1.3767	1.3907	0.010542	0.0213	0.02371	0.0272	0.0022203
30	1.3422	1.3581	1.3771	0.010223	1.4083	1.4218	1.4374	0.0091692	0.0526	0.06376	0.0739	0.0071045
50	1.3304	1.3549	1.3694	0.010488	1.4161	1.4461	1.4723	0.015809	0.0838	0.09121	0.1029	0.0071295
100	1.3363	1.353	1.3635	0.0085155	1.4841	1.5022	1.5286	0.016211	0.1264	0.1492	0.1651	0.012985

Device Test: 6.41; VIN_VALID





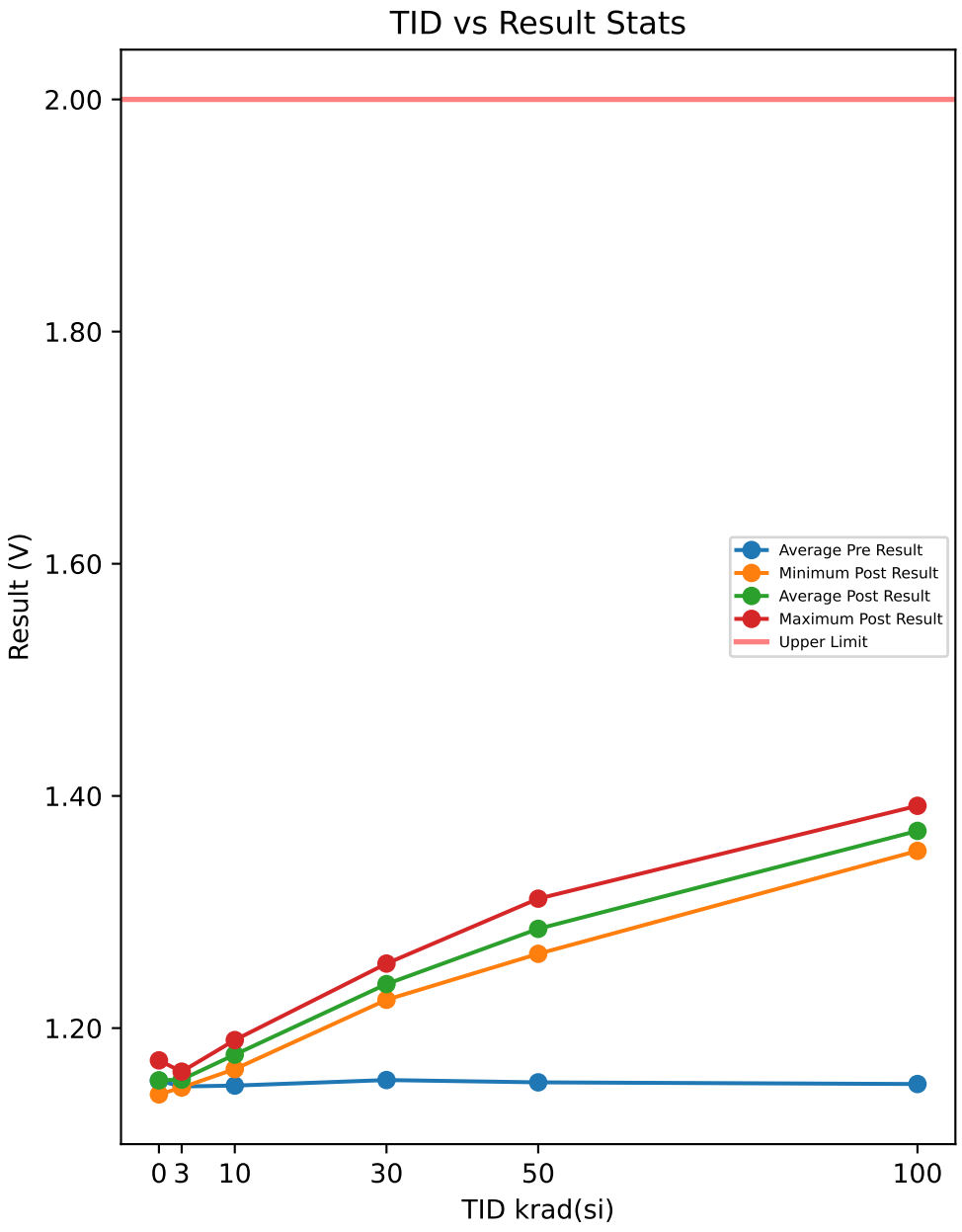
Test Results (Upper Limit = 2.0 (V))

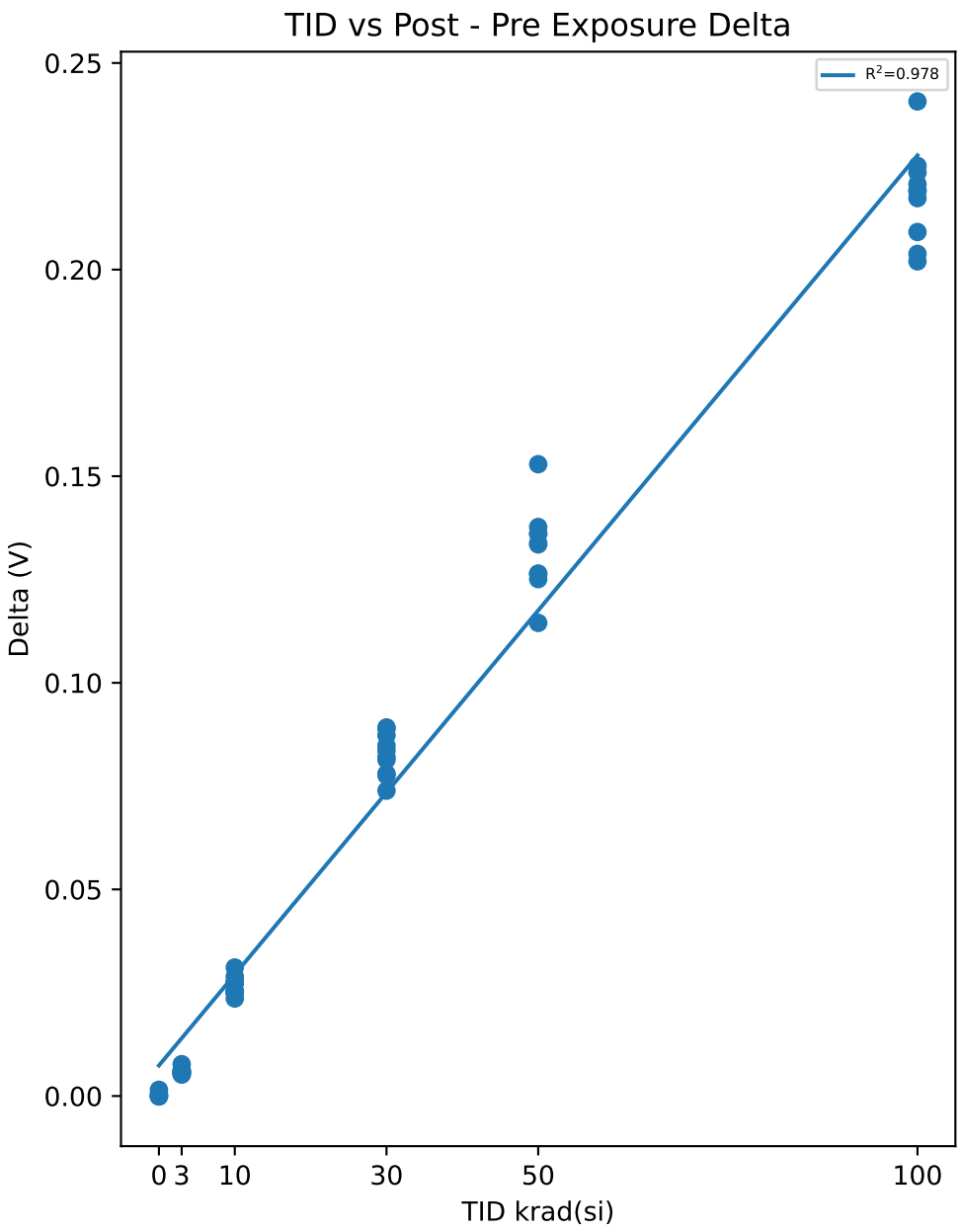
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.1373	1.1391	0.0018
2	3	Biased	1.1295	1.1313	0.0018
3	3	Biased	1.1295	1.1291	-0.0004
4	3	Biased	1.1333	1.1351	0.0018
5	3	Biased	1.1352	1.1351	-0.0001
6	3	Unbiased	1.1373	1.1391	0.0018
7	3	Unbiased	1.1277	1.1294	0.0017
8	3	Unbiased	1.1295	1.1313	0.0018
9	3	Unbiased	1.1277	1.1291	0.0014
10	3	Unbiased	1.1236	1.1254	0.0018
11	10	Biased	1.1377	1.151	0.0133
12	10	Biased	1.1311	1.1454	0.0143
13	10	Biased	1.1217	1.1338	0.0121
14	10	Biased	1.1389	1.1532	0.0143
15	10	Biased	1.1292	1.1435	0.0143
16	10	Unbiased	1.1217	1.1369	0.0152
17	10	Unbiased	1.1352	1.1507	0.0155
18	10	Unbiased	1.1295	1.1432	0.0137
19	10	Unbiased	1.1333	1.1469	0.0136
20	10	Unbiased	1.1255	1.1407	0.0152
21	30	Biased	1.1392	1.1919	0.0527
22	30	Biased	1.1352	1.1894	0.0542
23	30	Biased	1.1355	1.1935	0.058
24	30	Biased	1.1452	1.2069	0.0617
25	30	Biased	1.133	1.1878	0.0548
26	30	Unbiased	1.133	1.1872	0.0542
27	30	Unbiased	1.137	1.205	0.068
28	30	Unbiased	1.1427	1.2147	0.072
29	30	Unbiased	1.1277	1.1875	0.0598
30	30	Unbiased	1.1355	1.1932	0.0577
31	50	Biased	1.1373	1.2441	0.1068
32	50	Biased	1.1295	1.2381	0.1086
33	50	Biased	1.137	1.2419	0.1049
34	50	Biased	1.1333	1.2462	0.1129
35	50	Biased	1.1217	1.2206	0.0989
36	50	Unbiased	1.1433	1.2537	0.1104
37	50	Unbiased	1.133	1.2322	0.0992
38	50	Unbiased	1.1392	1.2772	0.138
39	50	Unbiased	1.137	1.2478	0.1108
40	50	Unbiased	1.1373	1.2575	0.1202
41	100	Biased	1.1311	1.3368	0.2057
42	100	Biased	1.137	1.3568	0.2198
43	100	Biased	1.1333	1.3605	0.2272
44	100	Biased	1.1277	1.3393	0.2116
45	100	Biased	1.1373	1.3215	0.1842
46	100	Unbiased	1.1355	1.3665	0.231
47	100	Unbiased	1.1295	1.3349	0.2054
48	100	Unbiased	1.1258	1.3468	0.221
49	100	Unbiased	1.137	1.3621	0.2251
50	100	Unbiased	1.1352	1.3624	0.2272
51	0	Correlation	1.1448	1.1438	-0.001
52	0	Correlation	1.1236	1.1235	-0.0001
53	0	Correlation	1.1473	1.1469	-0.0004
54	0	Correlation	1.1314	1.1313	-0.0001
55	0	Correlation	1.1295	1.1291	-0.0004

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	1.1236	1.1353	1.1473	0.010247	1.1235	1.1349	1.1469	0.0099971	-0.001	-0.0004	-0.0001	0.00036742
3	1.1236	1.1311	1.1373	0.0045407	1.1254	1.1324	1.1391	0.0045529	-0.0004	0.00134	0.0018	0.0008501
10	1.1217	1.1304	1.1389	0.0061021	1.1338	1.1445	1.1532	0.0062567	0.0121	0.01415	0.0155	0.0010288
30	1.1277	1.1364	1.1452	0.0050244	1.1872	1.1957	1.2147	0.0096612	0.0527	0.05931	0.072	0.0063515
50	1.1217	1.1349	1.1433	0.005953	1.2206	1.2459	1.2772	0.015227	0.0989	0.11107	0.138	0.011372
100	1.1258	1.1329	1.1373	0.0041823	1.3215	1.3488	1.3665	0.015102	0.1842	0.21582	0.231	0.014325

Device Test: 6.42; VIN_VALID





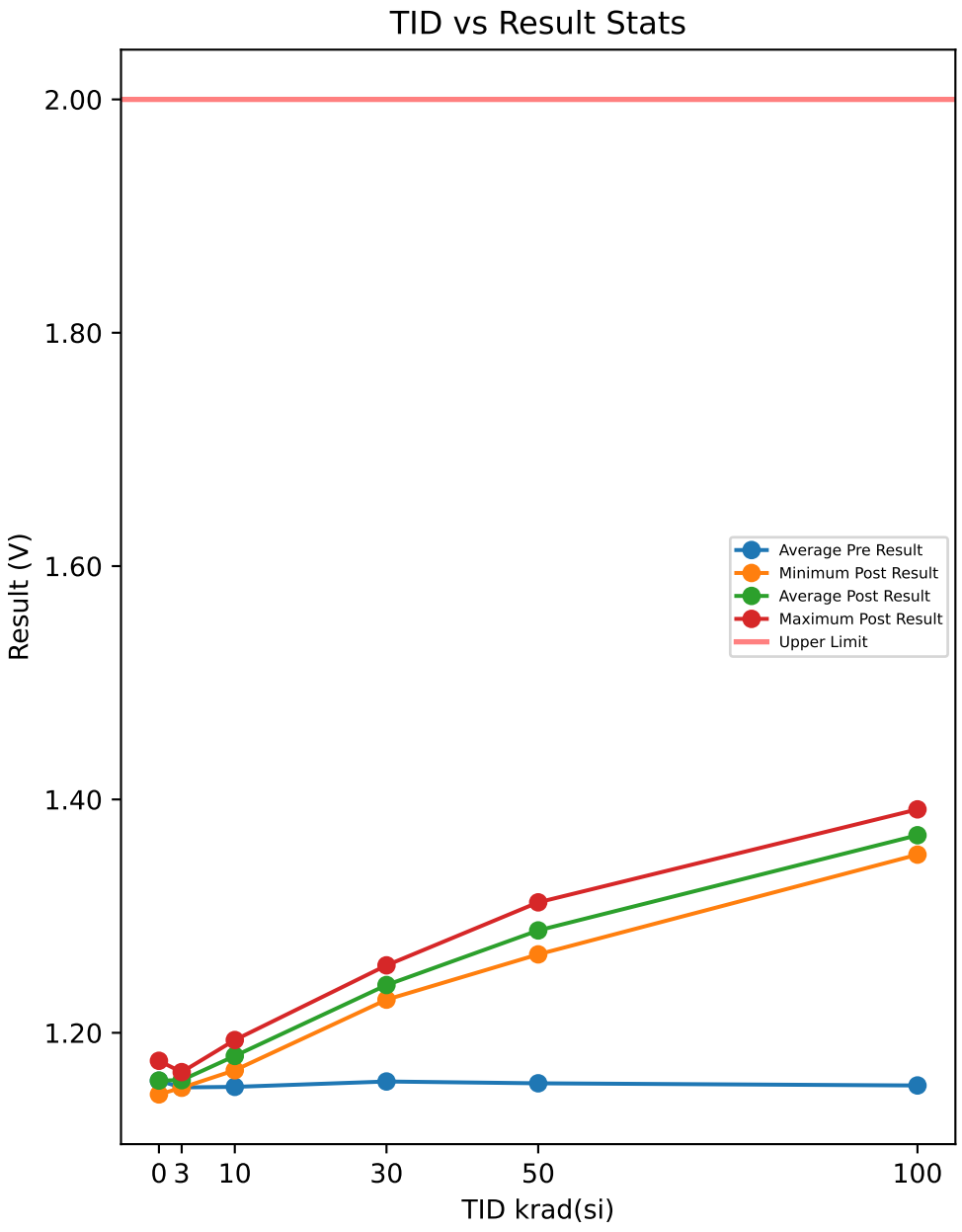
Test Results (Upper Limit = 2.0 (V))

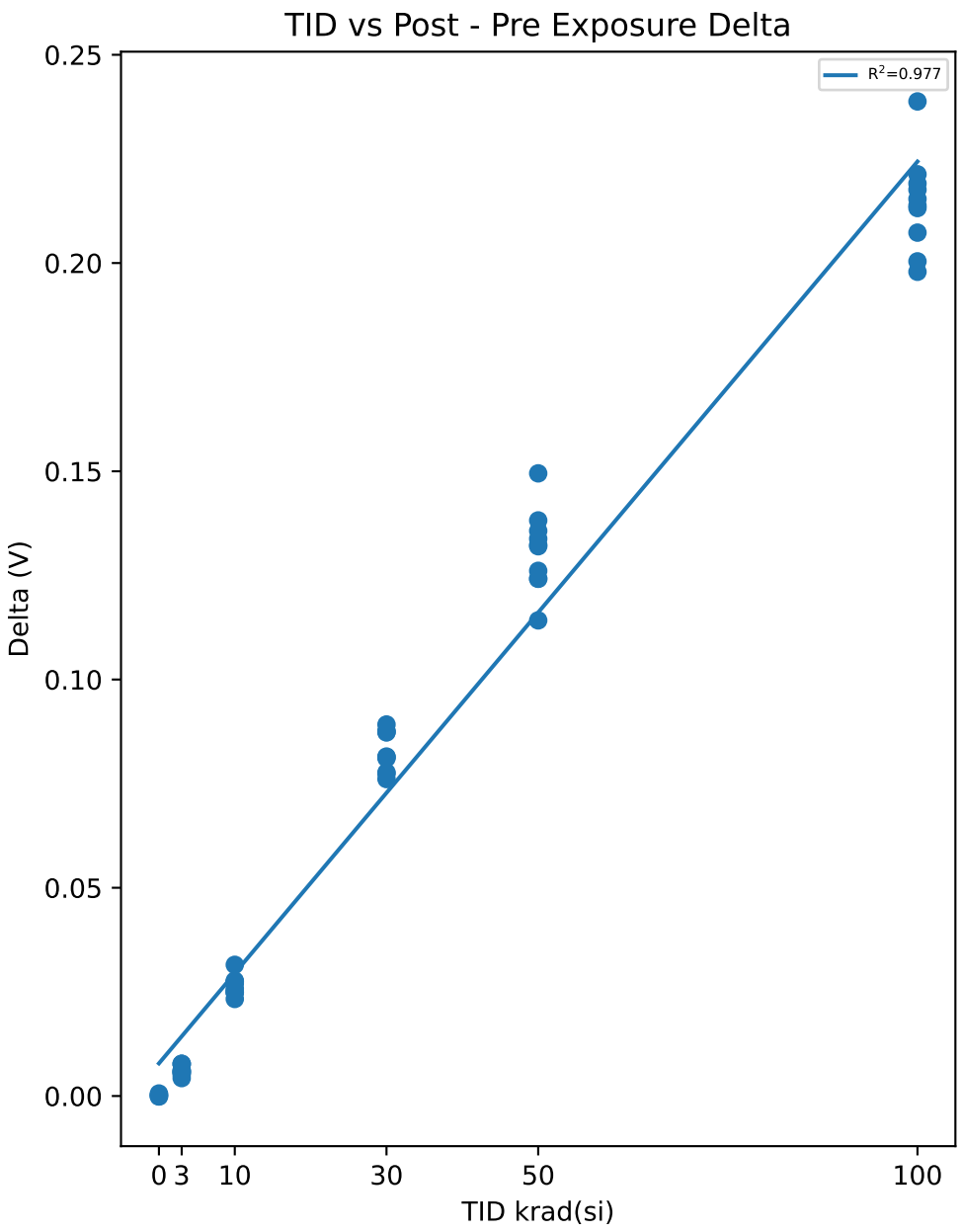
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.1567	1.1625	0.0058
2	3	Biased	1.147	1.1547	0.0077
3	3	Biased	1.147	1.1532	0.0062
4	3	Biased	1.1548	1.1607	0.0059
5	3	Biased	1.1548	1.1601	0.0053
6	3	Unbiased	1.1548	1.1601	0.0053
7	3	Unbiased	1.147	1.1526	0.0056
8	3	Unbiased	1.147	1.1532	0.0062
9	3	Unbiased	1.1455	1.1507	0.0052
10	3	Unbiased	1.143	1.1488	0.0058
11	10	Biased	1.1586	1.1897	0.0311
12	10	Biased	1.1508	1.1785	0.0277
13	10	Biased	1.1414	1.1663	0.0249
14	10	Biased	1.1605	1.1878	0.0273
15	10	Biased	1.1511	1.18	0.0289
16	10	Unbiased	1.1411	1.1647	0.0236
17	10	Unbiased	1.1567	1.1822	0.0255
18	10	Unbiased	1.147	1.1722	0.0252
19	10	Unbiased	1.1505	1.1757	0.0252
20	10	Unbiased	1.147	1.1744	0.0274
21	30	Biased	1.1605	1.2381	0.0776
22	30	Biased	1.1527	1.24	0.0873
23	30	Biased	1.1567	1.2403	0.0836
24	30	Biased	1.1667	1.2556	0.0889
25	30	Biased	1.1505	1.2325	0.082
26	30	Unbiased	1.1505	1.2244	0.0739
27	30	Unbiased	1.1552	1.24	0.0848
28	30	Unbiased	1.1645	1.2537	0.0892
29	30	Unbiased	1.143	1.2244	0.0814
30	30	Unbiased	1.1523	1.2303	0.078
31	50	Biased	1.1586	1.2921	0.1335
32	50	Biased	1.1489	1.285	0.1361
33	50	Biased	1.1527	1.2865	0.1338
34	50	Biased	1.1548	1.2925	0.1377
35	50	Biased	1.1389	1.264	0.1251
36	50	Unbiased	1.1586	1.285	0.1264
37	50	Unbiased	1.1505	1.265	0.1145
38	50	Unbiased	1.1586	1.3115	0.1529
39	50	Unbiased	1.1567	1.2831	0.1264
40	50	Unbiased	1.1545	1.2906	0.1361
41	100	Biased	1.147	1.3643	0.2173
42	100	Biased	1.1567	1.3818	0.2251
43	100	Biased	1.1508	1.3915	0.2407
44	100	Biased	1.1489	1.368	0.2191
45	100	Biased	1.1545	1.3565	0.202
46	100	Unbiased	1.1567	1.3758	0.2191
47	100	Unbiased	1.1489	1.3527	0.2038
48	100	Unbiased	1.1452	1.3543	0.2091
49	100	Unbiased	1.157	1.3777	0.2207
50	100	Unbiased	1.1527	1.3762	0.2235
51	0	Correlation	1.1648	1.1663	0.0015
52	0	Correlation	1.143	1.1429	-0.0001
53	0	Correlation	1.172	1.1722	0.0002
54	0	Correlation	1.1486	1.1485	-0.0001
55	0	Correlation	1.1448	1.1451	0.0003

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	1.143	1.1546	1.172	0.012975	1.1429	1.155	1.1722	0.013325	-0.0001	0.00036	0.0015	0.00066182
3	1.143	1.1498	1.1567	0.0049293	1.1488	1.1557	1.1625	0.0047803	0.0052	0.0059	0.0077	0.00072572
10	1.1411	1.1505	1.1605	0.006668	1.1647	1.1771	1.1897	0.0082547	0.0236	0.02668	0.0311	0.002232
30	1.143	1.1553	1.1667	0.0071237	1.2244	1.2379	1.2556	0.010692	0.0739	0.08267	0.0892	0.0051075
50	1.1389	1.1533	1.1586	0.0060959	1.264	1.2855	1.3115	0.01368	0.1145	0.13225	0.1529	0.010134
100	1.1452	1.1518	1.157	0.0043149	1.3527	1.3699	1.3915	0.012898	0.202	0.21804	0.2407	0.011269

Device Test: 6.43; VIN_VALID





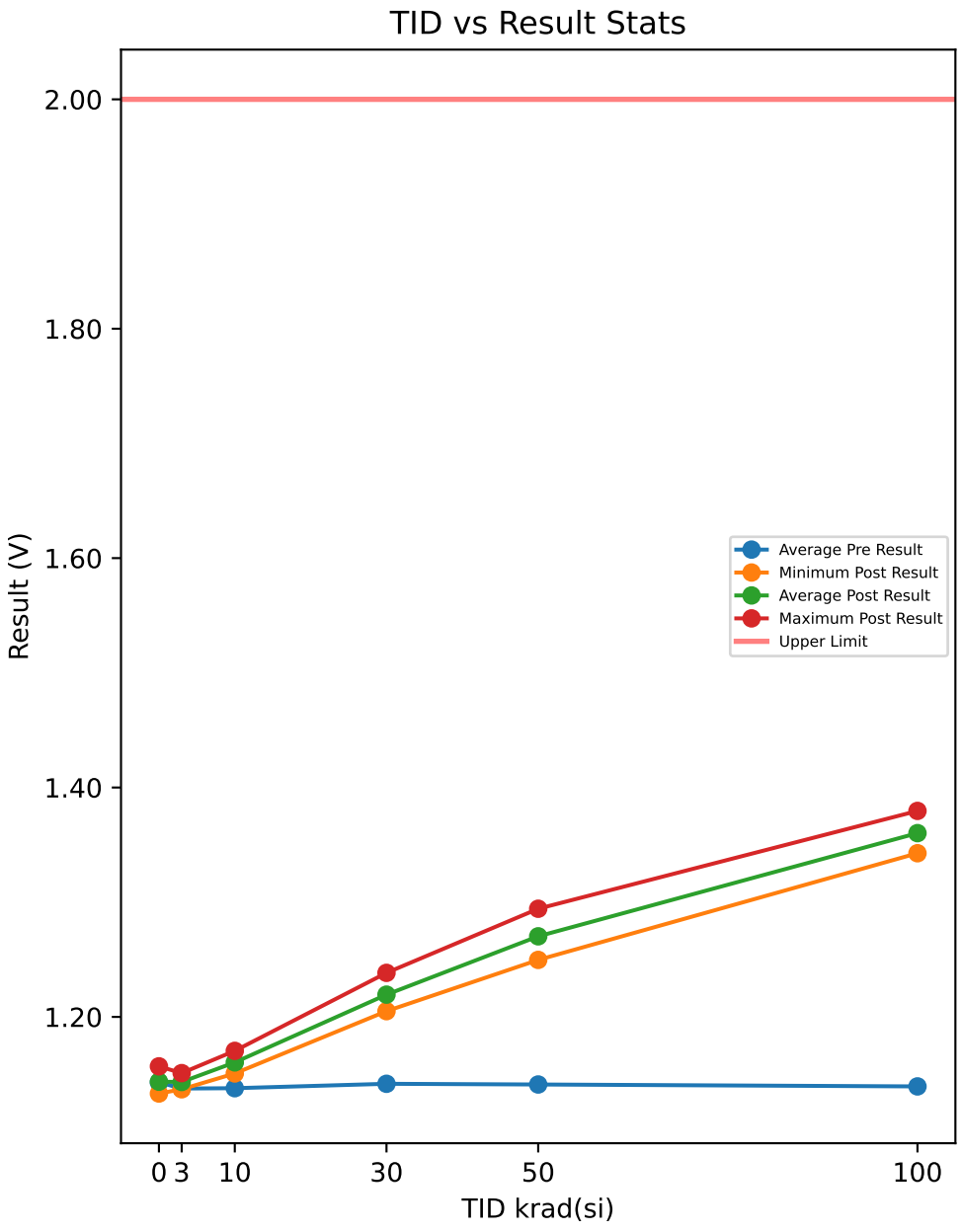
Test Results (Upper Limit = 2.0 (V))

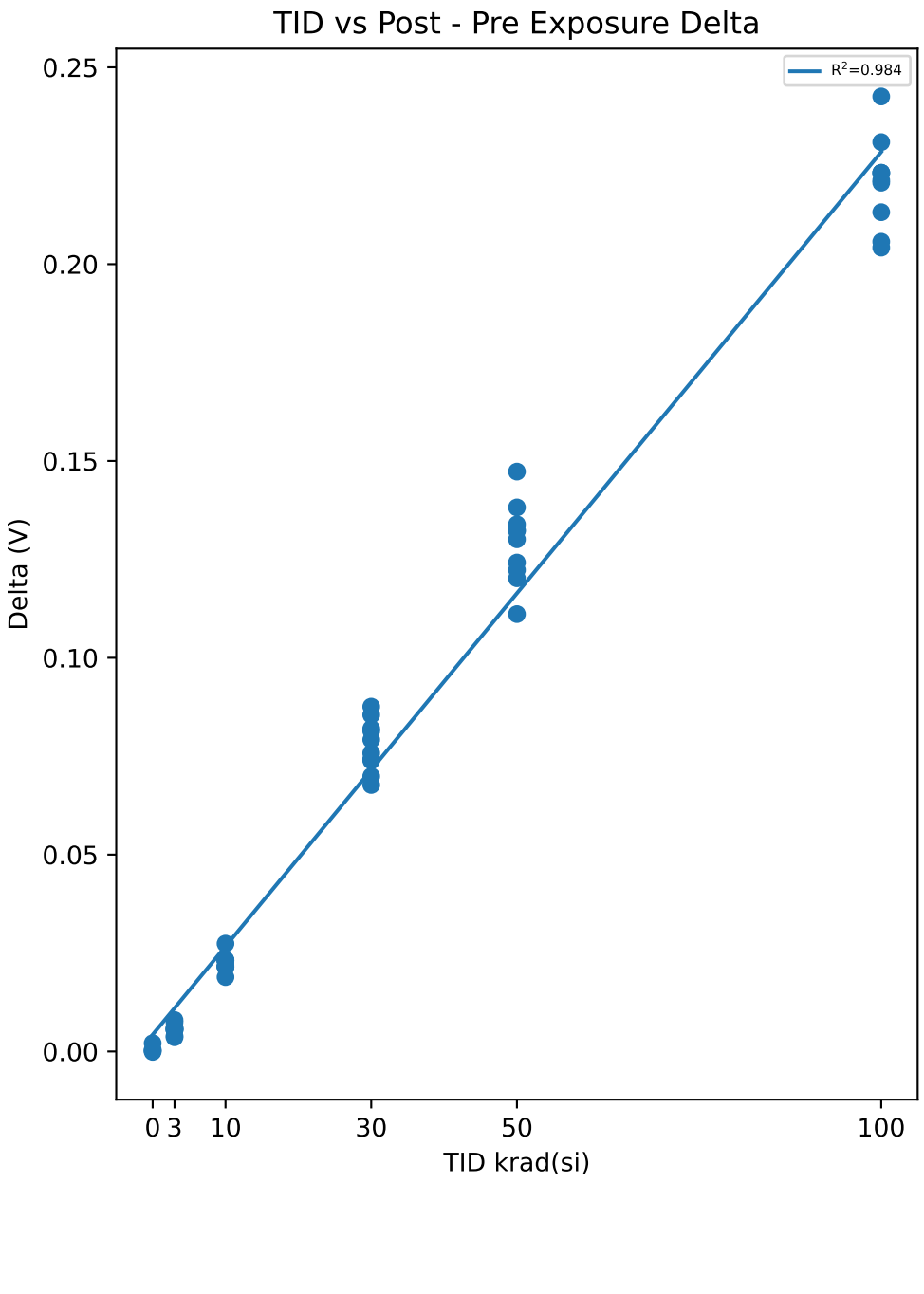
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.1605	1.1663	0.0058
2	3	Biased	1.1511	1.1566	0.0055
3	3	Biased	1.1508	1.1569	0.0061
4	3	Biased	1.1567	1.1644	0.0077
5	3	Biased	1.1586	1.1644	0.0058
6	3	Unbiased	1.1586	1.1647	0.0061
7	3	Unbiased	1.1489	1.1566	0.0077
8	3	Unbiased	1.1489	1.1566	0.0077
9	3	Unbiased	1.1492	1.1544	0.0052
10	3	Unbiased	1.1486	1.1529	0.0043
11	10	Biased	1.1623	1.1938	0.0315
12	10	Biased	1.1548	1.1822	0.0274
13	10	Biased	1.143	1.1679	0.0249
14	10	Biased	1.1623	1.1894	0.0271
15	10	Biased	1.1545	1.1822	0.0277
16	10	Unbiased	1.1452	1.17	0.0248
17	10	Unbiased	1.1583	1.1841	0.0258
18	10	Unbiased	1.1508	1.1741	0.0233
19	10	Unbiased	1.1548	1.18	0.0252
20	10	Unbiased	1.1505	1.1779	0.0274
21	30	Biased	1.1626	1.24	0.0774
22	30	Biased	1.1552	1.2444	0.0892
23	30	Biased	1.1605	1.2419	0.0814
24	30	Biased	1.1701	1.2578	0.0877
25	30	Biased	1.1548	1.2359	0.0811
26	30	Unbiased	1.1523	1.2284	0.0761
27	30	Unbiased	1.1567	1.2441	0.0874
28	30	Unbiased	1.1683	1.2556	0.0873
29	30	Unbiased	1.1473	1.2288	0.0815
30	30	Unbiased	1.1548	1.2325	0.0777
31	50	Biased	1.1623	1.2943	0.132
32	50	Biased	1.1527	1.2865	0.1338
33	50	Biased	1.1564	1.2887	0.1323
34	50	Biased	1.1583	1.2965	0.1382
35	50	Biased	1.143	1.2672	0.1242
36	50	Unbiased	1.1623	1.2865	0.1242
37	50	Unbiased	1.1548	1.269	0.1142
38	50	Unbiased	1.1623	1.3118	0.1495
39	50	Unbiased	1.1586	1.2847	0.1261
40	50	Unbiased	1.1564	1.2921	0.1357
41	100	Biased	1.1505	1.3643	0.2138
42	100	Biased	1.1608	1.3821	0.2213
43	100	Biased	1.1527	1.3915	0.2388
44	100	Biased	1.1508	1.3662	0.2154
45	100	Biased	1.1586	1.3565	0.1979
46	100	Unbiased	1.1605	1.3737	0.2132
47	100	Unbiased	1.1523	1.3527	0.2004
48	100	Unbiased	1.147	1.3543	0.2073
49	100	Unbiased	1.1586	1.3762	0.2176
50	100	Unbiased	1.1567	1.3758	0.2191
51	0	Correlation	1.1701	1.1704	0.0003
52	0	Correlation	1.147	1.1472	0.0002
53	0	Correlation	1.1761	1.176	-0.0001
54	0	Correlation	1.1523	1.1529	0.0006
55	0	Correlation	1.1489	1.1488	-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	1.147	1.1589	1.1761	0.01329	1.1472	1.1591	1.176	0.013223	-0.0001	0.00018	0.0006	0.00029496
3	1.1486	1.1532	1.1605	0.0048094	1.1529	1.1594	1.1663	0.0049746	0.0043	0.00619	0.0077	0.0011638
10	1.143	1.1537	1.1623	0.0064765	1.1679	1.1802	1.1938	0.0081012	0.0233	0.02651	0.0315	0.0022679
30	1.1473	1.1583	1.1701	0.0071198	1.2284	1.2409	1.2578	0.010134	0.0761	0.08268	0.0892	0.004863
50	1.143	1.1567	1.1623	0.0058474	1.2672	1.2877	1.3118	0.012927	0.1142	0.13102	0.1495	0.0095768
100	1.147	1.1549	1.1608	0.0047952	1.3527	1.3693	1.3915	0.012758	0.1979	0.21448	0.2388	0.011531

Device Test: 6.44; VIN_VALID





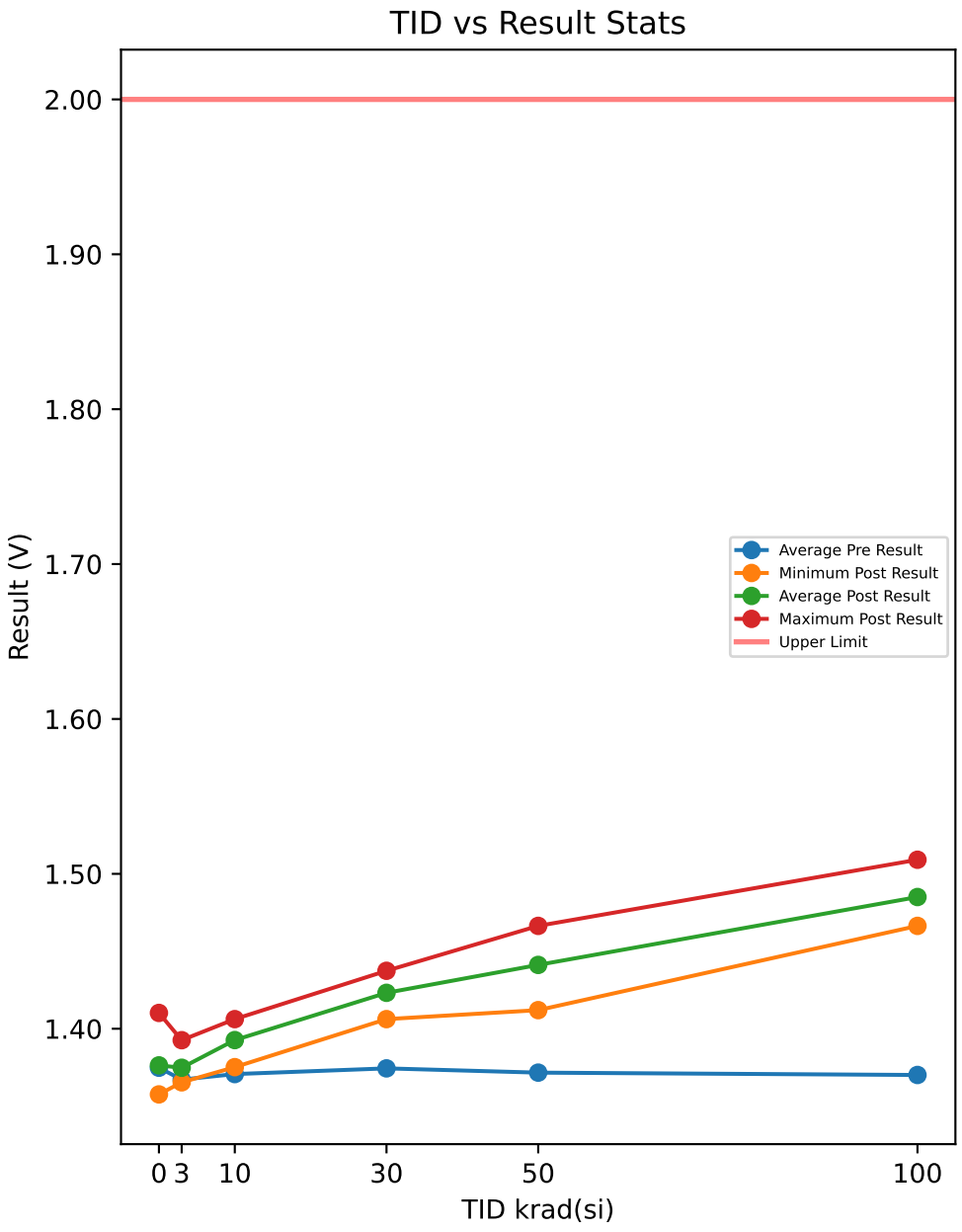
Test Results (Upper Limit = 2.0 (V))

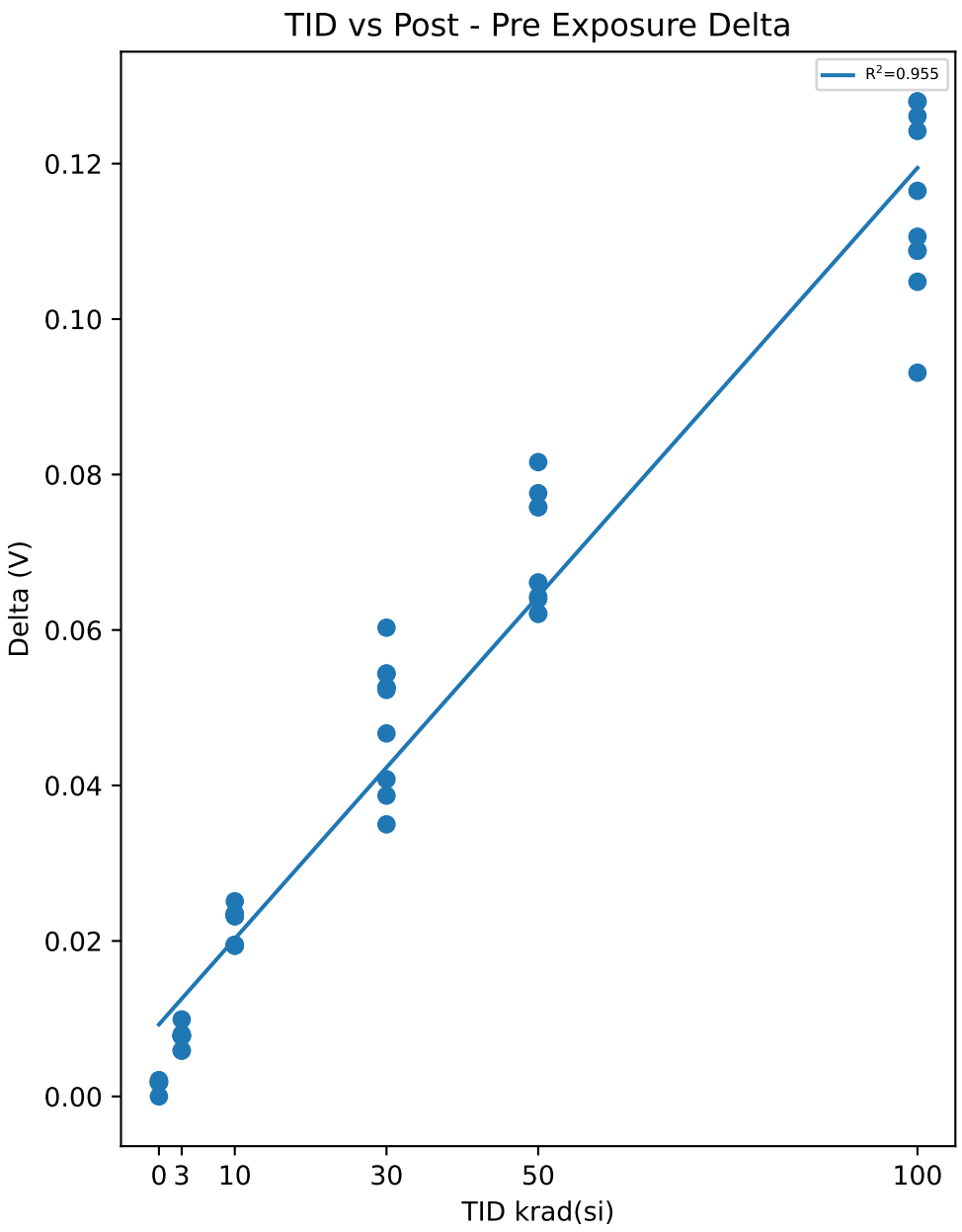
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.1448	1.151	0.0062
2	3	Biased	1.1352	1.1432	0.008
3	3	Biased	1.1352	1.141	0.0058
4	3	Biased	1.1373	1.1447	0.0074
5	3	Biased	1.143	1.1485	0.0055
6	3	Unbiased	1.143	1.1488	0.0058
7	3	Unbiased	1.1352	1.1407	0.0055
8	3	Unbiased	1.1352	1.1391	0.0039
9	3	Unbiased	1.1333	1.1388	0.0055
10	3	Unbiased	1.1333	1.1369	0.0036
11	10	Biased	1.143	1.1704	0.0274
12	10	Biased	1.1395	1.1625	0.023
13	10	Biased	1.1292	1.1507	0.0215
14	10	Biased	1.1473	1.1704	0.0231
15	10	Biased	1.137	1.1601	0.0231
16	10	Unbiased	1.1317	1.1532	0.0215
17	10	Unbiased	1.1411	1.1629	0.0218
18	10	Unbiased	1.1355	1.1544	0.0189
19	10	Unbiased	1.1389	1.1604	0.0215
20	10	Unbiased	1.1352	1.1585	0.0233
21	30	Biased	1.1448	1.2191	0.0743
22	30	Biased	1.1411	1.2231	0.082
23	30	Biased	1.1414	1.2206	0.0792
24	30	Biased	1.1508	1.2384	0.0876
25	30	Biased	1.1389	1.2147	0.0758
26	30	Unbiased	1.1395	1.2072	0.0677
27	30	Unbiased	1.1414	1.2228	0.0814
28	30	Unbiased	1.1489	1.2344	0.0855
29	30	Unbiased	1.1311	1.205	0.0739
30	30	Unbiased	1.1389	1.2088	0.0699
31	50	Biased	1.143	1.2753	0.1323
32	50	Biased	1.1373	1.2712	0.1339
33	50	Biased	1.1411	1.2712	0.1301
34	50	Biased	1.143	1.2812	0.1382
35	50	Biased	1.1274	1.2497	0.1223
36	50	Unbiased	1.147	1.2672	0.1202
37	50	Unbiased	1.1389	1.25	0.1111
38	50	Unbiased	1.147	1.2943	0.1473
39	50	Unbiased	1.143	1.2672	0.1242
40	50	Unbiased	1.143	1.2753	0.1323
41	100	Biased	1.1355	1.3562	0.2207
42	100	Biased	1.143	1.374	0.231
43	100	Biased	1.137	1.3796	0.2426
44	100	Biased	1.1373	1.3605	0.2232
45	100	Biased	1.1448	1.349	0.2042
46	100	Unbiased	1.1433	1.3646	0.2213
47	100	Unbiased	1.137	1.3427	0.2057
48	100	Unbiased	1.1317	1.3449	0.2132
49	100	Unbiased	1.1433	1.3665	0.2232
50	100	Unbiased	1.1411	1.3643	0.2232
51	0	Correlation	1.1527	1.1529	0.0002
52	0	Correlation	1.133	1.1332	0.0002
53	0	Correlation	1.157	1.1569	-0.0001
54	0	Correlation	1.1389	1.1394	0.0005
55	0	Correlation	1.133	1.1351	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	1.133	1.1429	1.157	0.011257	1.1332	1.1435	1.1569	0.01074	-0.0001	0.00058	0.0021	0.00087579
3	1.1333	1.1376	1.1448	0.0043493	1.1369	1.1433	1.151	0.004824	0.0036	0.00572	0.008	0.0013423
10	1.1292	1.1378	1.1473	0.0053346	1.1507	1.1603	1.1704	0.0066355	0.0189	0.02251	0.0274	0.002162
30	1.1311	1.1417	1.1508	0.0055545	1.205	1.2194	1.2384	0.011073	0.0677	0.07773	0.0876	0.0065296
50	1.1274	1.1411	1.147	0.0056864	1.2497	1.2703	1.2943	0.013342	0.1111	0.12919	0.1473	0.010176
100	1.1317	1.1394	1.1448	0.0042929	1.3427	1.3602	1.3796	0.012131	0.2042	0.22083	0.2426	0.011344

Device Test: 6.45; VIN_VALID





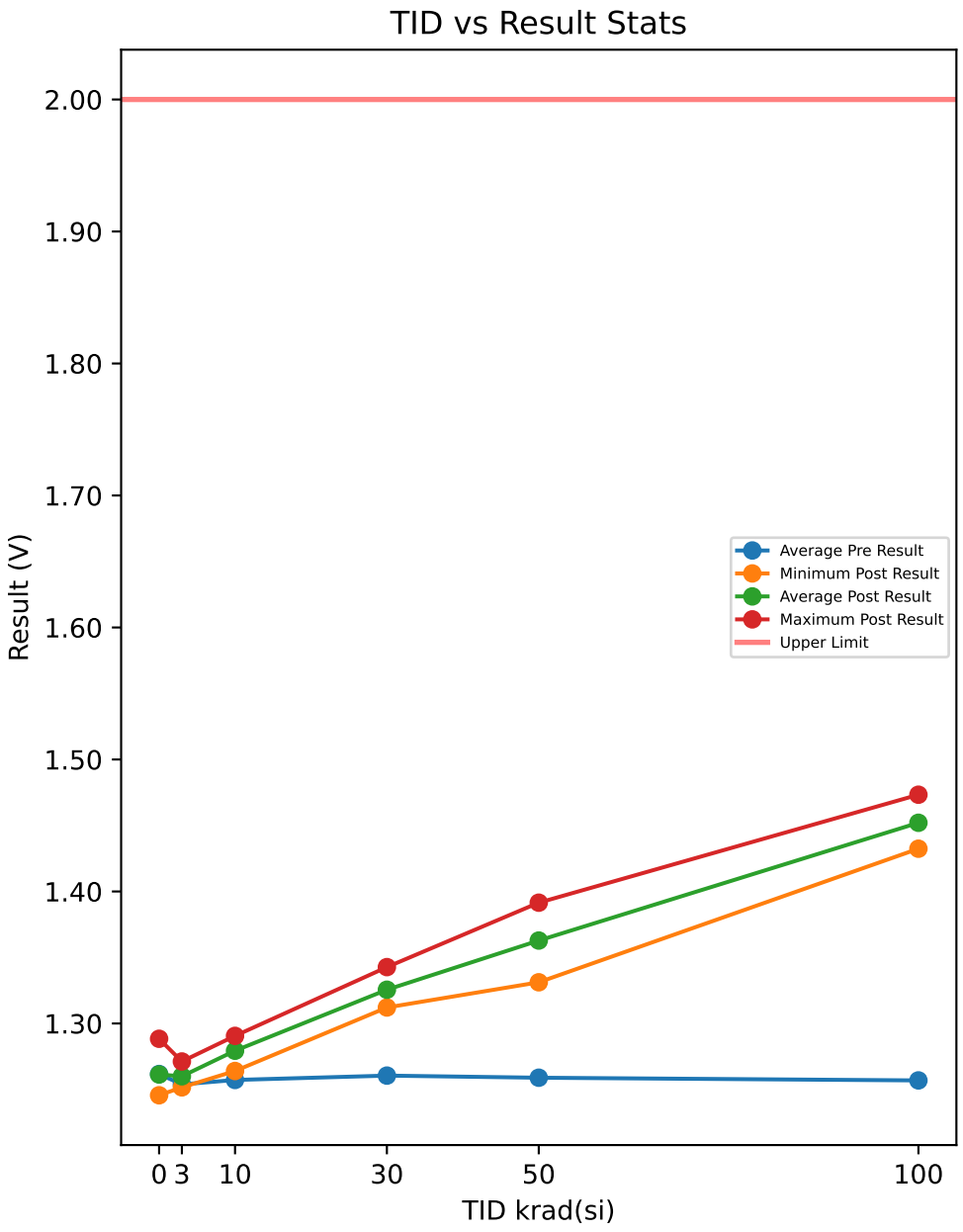
Test Results (Upper Limit = 2.0 (V))

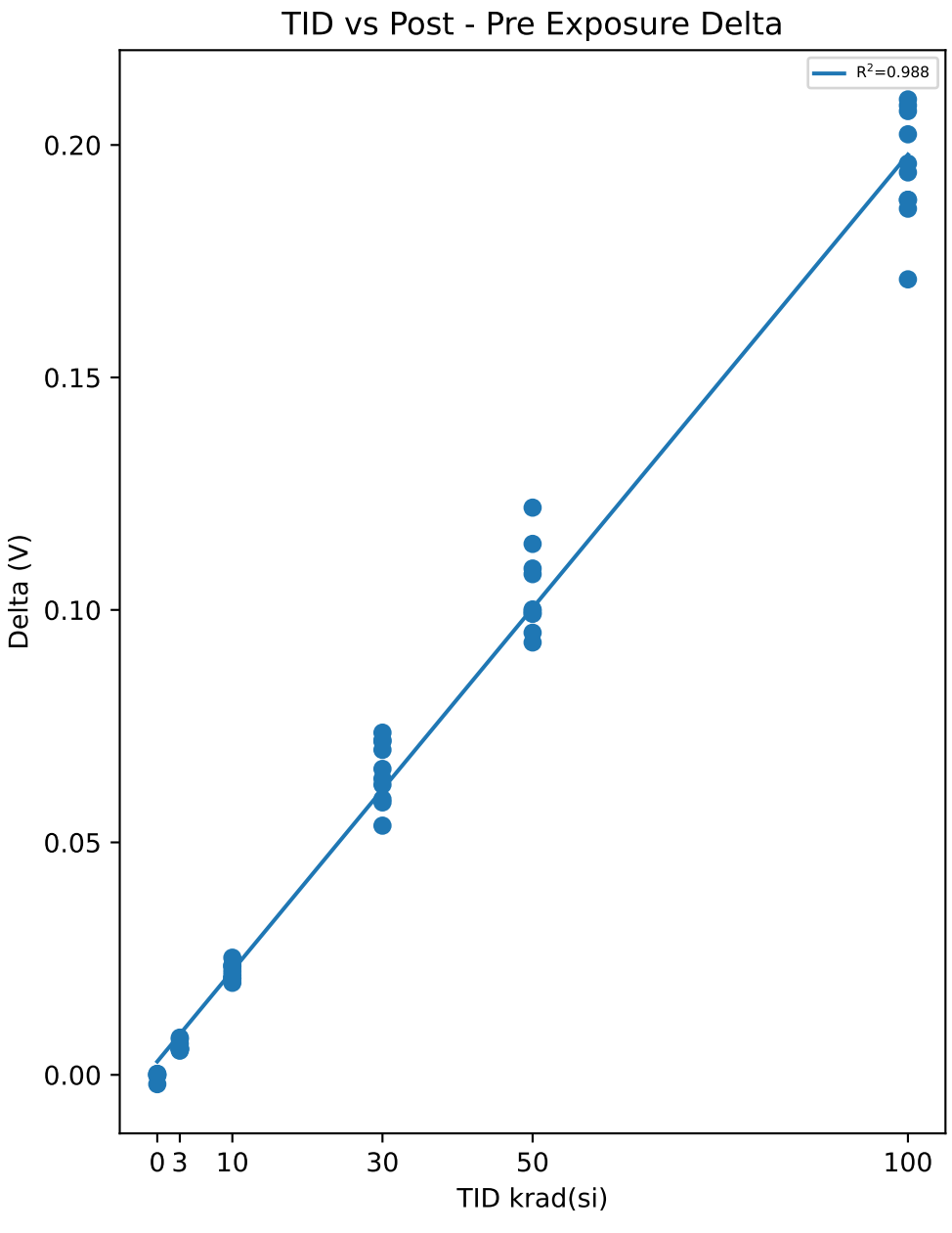
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.3848	1.3926	0.0078
2	3	Biased	1.3616	1.3694	0.0078
3	3	Biased	1.3712	1.3771	0.0059
4	3	Biased	1.3712	1.379	0.0078
5	3	Biased	1.3712	1.3771	0.0059
6	3	Unbiased	1.3712	1.3811	0.0099
7	3	Unbiased	1.3595	1.3675	0.008
8	3	Unbiased	1.3616	1.3694	0.0078
9	3	Unbiased	1.3576	1.3654	0.0078
10	3	Unbiased	1.3616	1.3694	0.0078
11	10	Biased	1.383	1.4062	0.0232
12	10	Biased	1.3752	1.3947	0.0195
13	10	Biased	1.3558	1.3752	0.0194
14	10	Biased	1.383	1.4024	0.0194
15	10	Biased	1.3752	1.3947	0.0195
16	10	Unbiased	1.3539	1.3771	0.0232
17	10	Unbiased	1.3752	1.3984	0.0232
18	10	Unbiased	1.3595	1.383	0.0235
19	10	Unbiased	1.3752	1.4003	0.0251
20	10	Unbiased	1.3712	1.3947	0.0235
21	30	Biased	1.3811	1.4161	0.035
22	30	Biased	1.3771	1.4238	0.0467
23	30	Biased	1.3752	1.4275	0.0523
24	30	Biased	1.3947	1.4355	0.0408
25	30	Biased	1.3675	1.4062	0.0387
26	30	Unbiased	1.3654	1.4198	0.0544
27	30	Unbiased	1.3712	1.4238	0.0526
28	30	Unbiased	1.3848	1.4374	0.0526
29	30	Unbiased	1.3576	1.4179	0.0603
30	30	Unbiased	1.3694	1.4238	0.0544
31	50	Biased	1.379	1.4411	0.0621
32	50	Biased	1.3654	1.4315	0.0661
33	50	Biased	1.3712	1.4355	0.0643
34	50	Biased	1.3771	1.4392	0.0621
35	50	Biased	1.3459	1.412	0.0661
36	50	Unbiased	1.3752	1.4528	0.0776
37	50	Unbiased	1.3675	1.4315	0.064
38	50	Unbiased	1.3848	1.4664	0.0816
39	50	Unbiased	1.3752	1.451	0.0758
40	50	Unbiased	1.3752	1.451	0.0758
41	100	Biased	1.3576	1.4664	0.1088
42	100	Biased	1.3731	1.4819	0.1088
43	100	Biased	1.3694	1.4859	0.1165
44	100	Biased	1.3675	1.4723	0.1048
45	100	Biased	1.3752	1.4683	0.0931
46	100	Unbiased	1.379	1.5032	0.1242
47	100	Unbiased	1.3694	1.48	0.1106
48	100	Unbiased	1.3539	1.48	0.1261
49	100	Unbiased	1.3752	1.5032	0.128
50	100	Unbiased	1.3811	1.5091	0.128
51	0	Correlation	1.3947	1.3947	0
52	0	Correlation	1.3558	1.3576	0.0018
53	0	Correlation	1.4083	1.4102	0.0019
54	0	Correlation	1.3595	1.3616	0.0021
55	0	Correlation	1.3558	1.3576	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	1.3558	1.3748	1.4083	0.024871	1.3576	1.3763	1.4102	0.024511	0	0.00152	0.0021	0.00085849
3	1.3576	1.3672	1.3848	0.008295	1.3654	1.3748	1.3926	0.0082589	0.0059	0.00765	0.0099	0.0011277
10	1.3539	1.3707	1.383	0.010612	1.3752	1.3927	1.4062	0.010658	0.0194	0.02195	0.0251	0.0022217
30	1.3576	1.3744	1.3947	0.010641	1.4062	1.4232	1.4374	0.0091382	0.035	0.04878	0.0603	0.0081442
50	1.3459	1.3717	1.3848	0.010614	1.412	1.4412	1.4664	0.015052	0.0621	0.06955	0.0816	0.0073129
100	1.3539	1.3701	1.3811	0.008741	1.4664	1.485	1.5091	0.015238	0.0931	0.11489	0.128	0.01168

Device Test: 6.46; VIN_VALID





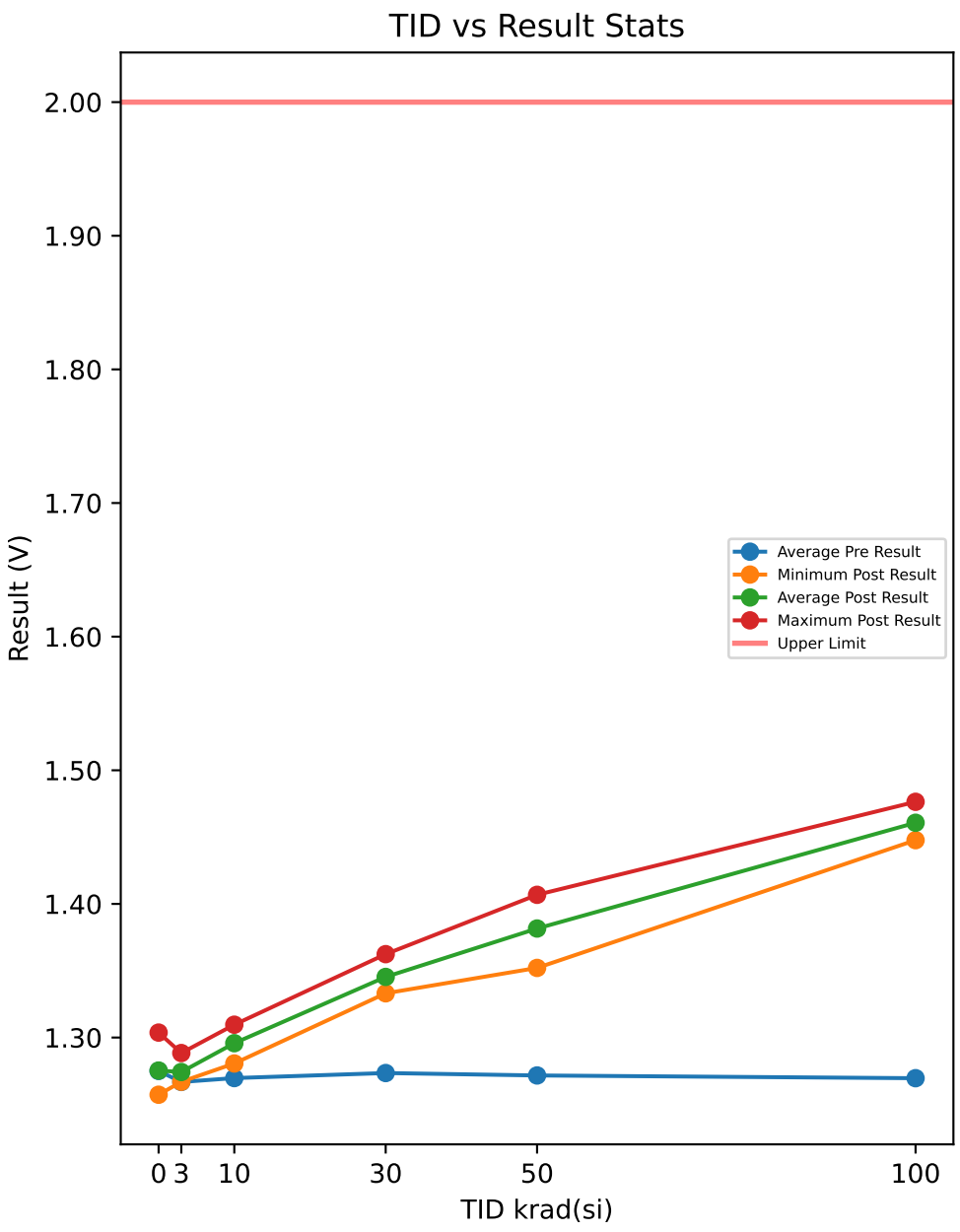
Test Results (Upper Limit = 2.0 (V))

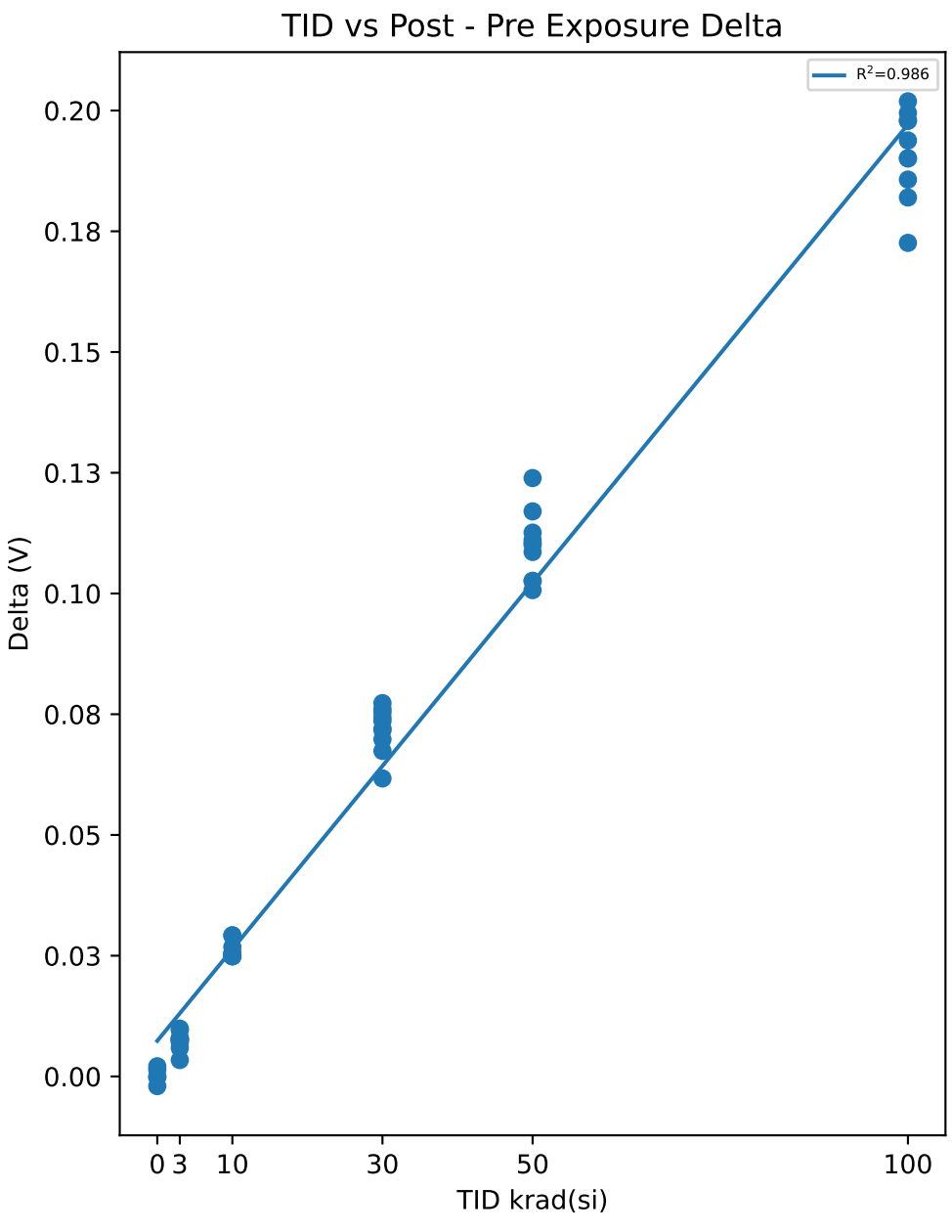
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.2657	1.2712	0.0055
2	3	Biased	1.2498	1.2556	0.0058
3	3	Biased	1.2573	1.2625	0.0052
4	3	Biased	1.2595	1.265	0.0055
5	3	Biased	1.2573	1.264	0.0067
6	3	Unbiased	1.2576	1.2656	0.008
7	3	Unbiased	1.2498	1.2556	0.0058
8	3	Unbiased	1.2476	1.2553	0.0077
9	3	Unbiased	1.246	1.2516	0.0056
10	3	Unbiased	1.2479	1.2534	0.0055
11	10	Biased	1.2673	1.2906	0.0233
12	10	Biased	1.2579	1.2787	0.0208
13	10	Biased	1.2442	1.264	0.0198
14	10	Biased	1.2676	1.2884	0.0208
15	10	Biased	1.2595	1.2809	0.0214
16	10	Unbiased	1.2442	1.265	0.0208
17	10	Unbiased	1.2645	1.2868	0.0223
18	10	Unbiased	1.2495	1.2731	0.0236
19	10	Unbiased	1.2613	1.2847	0.0234
20	10	Unbiased	1.256	1.2812	0.0252
21	30	Biased	1.266	1.3196	0.0536
22	30	Biased	1.2616	1.3253	0.0637
23	30	Biased	1.2641	1.3234	0.0593
24	30	Biased	1.2769	1.3393	0.0624
25	30	Biased	1.2535	1.3121	0.0586
26	30	Unbiased	1.2535	1.3234	0.0699
27	30	Unbiased	1.2573	1.329	0.0717
28	30	Unbiased	1.2707	1.3427	0.072
29	30	Unbiased	1.2438	1.3174	0.0736
30	30	Unbiased	1.2576	1.3234	0.0658
31	50	Biased	1.2673	1.3624	0.0951
32	50	Biased	1.2535	1.3527	0.0992
33	50	Biased	1.2579	1.358	0.1001
34	50	Biased	1.2645	1.3643	0.0998
35	50	Biased	1.2382	1.3312	0.093
36	50	Unbiased	1.2641	1.3718	0.1077
37	50	Unbiased	1.2535	1.3527	0.0992
38	50	Unbiased	1.2695	1.3915	0.122
39	50	Unbiased	1.261	1.3699	0.1089
40	50	Unbiased	1.2595	1.3737	0.1142
41	100	Biased	1.246	1.4342	0.1882
42	100	Biased	1.2595	1.4536	0.1941
43	100	Biased	1.2557	1.4517	0.196
44	100	Biased	1.2535	1.4417	0.1882
45	100	Biased	1.2613	1.4324	0.1711
46	100	Unbiased	1.266	1.4733	0.2073
47	100	Unbiased	1.2573	1.4436	0.1863
48	100	Unbiased	1.2457	1.448	0.2023
49	100	Unbiased	1.2591	1.4689	0.2098
50	100	Unbiased	1.2645	1.473	0.2085
51	0	Correlation	1.2769	1.2768	-0.0001
52	0	Correlation	1.2457	1.2456	-0.0001
53	0	Correlation	1.2904	1.2884	-0.002
54	0	Correlation	1.2498	1.25	0.0002
55	0	Correlation	1.2457	1.2459	0.0002

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	1.2457	1.2617	1.2904	0.020666	1.2456	1.2613	1.2884	0.019912	-0.002	-0.00036	0.0002	0.00092898
3	1.246	1.2539	1.2657	0.0064902	1.2516	1.26	1.2712	0.0064891	0.0052	0.00613	0.008	0.00099113
10	1.2442	1.2572	1.2676	0.0087228	1.264	1.2793	1.2906	0.0093062	0.0198	0.02214	0.0252	0.0016952
30	1.2438	1.2605	1.2769	0.0095042	1.3121	1.3256	1.3427	0.0093793	0.0536	0.06506	0.0736	0.0067026
50	1.2382	1.2589	1.2695	0.0090302	1.3312	1.3628	1.3915	0.015993	0.093	0.10392	0.122	0.0090971
100	1.2457	1.2569	1.266	0.0069035	1.4324	1.452	1.4733	0.01519	0.1711	0.19518	0.2098	0.012233

Device Test: 6.47; VIN_VALID





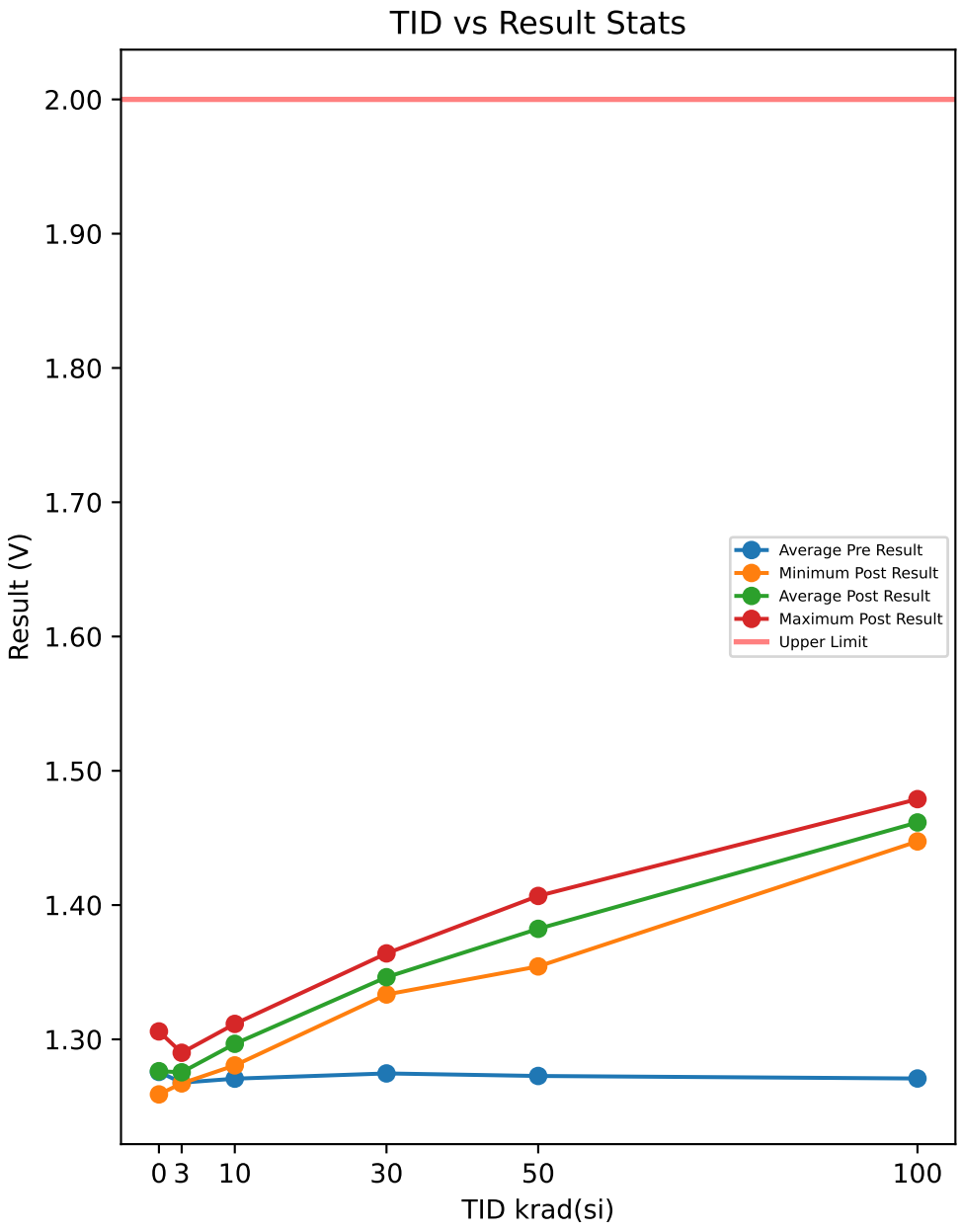
Test Results (Upper Limit = 2.0 (V))

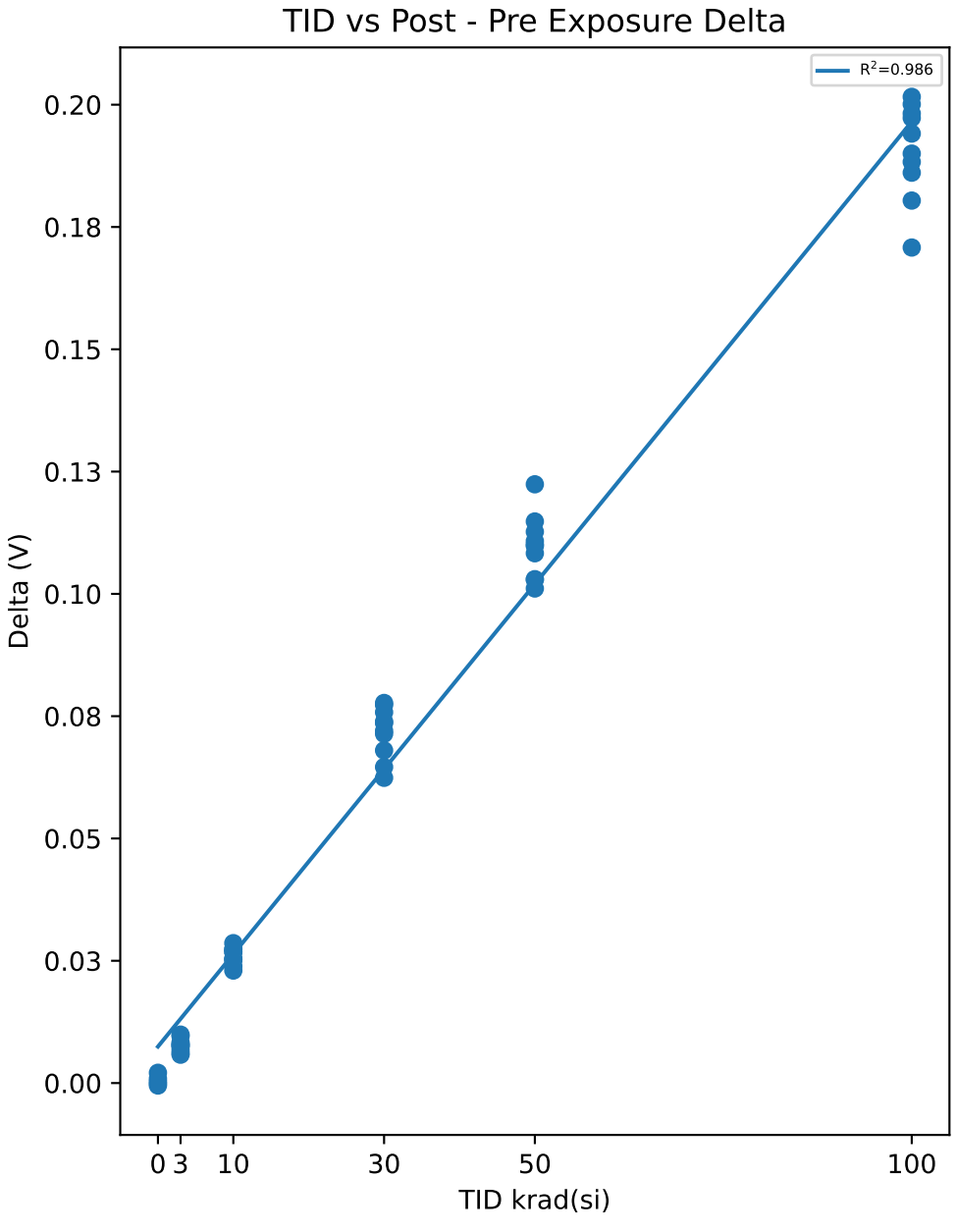
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.2807	1.2884	0.0077
2	3	Biased	1.266	1.2694	0.0034
3	3	Biased	1.2691	1.2762	0.0071
4	3	Biased	1.271	1.2784	0.0074
5	3	Biased	1.271	1.2787	0.0077
6	3	Unbiased	1.2707	1.2784	0.0077
7	3	Unbiased	1.261	1.269	0.008
8	3	Unbiased	1.2595	1.2694	0.0099
9	3	Unbiased	1.2576	1.2672	0.0096
10	3	Unbiased	1.261	1.2669	0.0059
11	10	Biased	1.2804	1.3096	0.0292
12	10	Biased	1.271	1.2959	0.0249
13	10	Biased	1.2557	1.2806	0.0249
14	10	Biased	1.2807	1.3059	0.0252
15	10	Biased	1.2732	1.2981	0.0249
16	10	Unbiased	1.2554	1.2809	0.0255
17	10	Unbiased	1.2769	1.3018	0.0249
18	10	Unbiased	1.2613	1.2868	0.0255
19	10	Unbiased	1.2729	1.3021	0.0292
20	10	Unbiased	1.2691	1.2959	0.0268
21	30	Biased	1.281	1.3427	0.0617
22	30	Biased	1.2748	1.3465	0.0717
23	30	Biased	1.2748	1.3446	0.0698
24	30	Biased	1.2904	1.3624	0.072
25	30	Biased	1.2657	1.3331	0.0674
26	30	Unbiased	1.2657	1.3393	0.0736
27	30	Unbiased	1.2707	1.3468	0.0761
28	30	Unbiased	1.2848	1.3602	0.0754
29	30	Unbiased	1.2576	1.3349	0.0773
30	30	Unbiased	1.2688	1.3431	0.0743
31	50	Biased	1.2826	1.3852	0.1026
32	50	Biased	1.2657	1.3758	0.1101
33	50	Biased	1.2688	1.3799	0.1111
34	50	Biased	1.2766	1.3852	0.1086
35	50	Biased	1.2495	1.3521	0.1026
36	50	Unbiased	1.2748	1.3874	0.1126
37	50	Unbiased	1.2673	1.368	0.1007
38	50	Unbiased	1.2829	1.4068	0.1239
39	50	Unbiased	1.2751	1.3855	0.1104
40	50	Unbiased	1.2729	1.3899	0.117
41	100	Biased	1.2576	1.4477	0.1901
42	100	Biased	1.2732	1.4633	0.1901
43	100	Biased	1.2691	1.467	0.1979
44	100	Biased	1.2676	1.4533	0.1857
45	100	Biased	1.2751	1.4477	0.1726
46	100	Unbiased	1.2769	1.4748	0.1979
47	100	Unbiased	1.2691	1.4511	0.182
48	100	Unbiased	1.2573	1.4511	0.1938
49	100	Unbiased	1.2729	1.4748	0.2019
50	100	Unbiased	1.2769	1.4764	0.1995
51	0	Correlation	1.2904	1.2925	0.0021
52	0	Correlation	1.2573	1.2572	-0.0001
53	0	Correlation	1.3038	1.3037	-0.0001
54	0	Correlation	1.266	1.264	-0.002
55	0	Correlation	1.2576	1.259	0.0014

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	1.2573	1.275	1.3038	0.020998	1.2572	1.2753	1.3037	0.021351	-0.002	0.00026	0.0021	0.0015852
3	1.2576	1.2668	1.2807	0.0071089	1.2669	1.2742	1.2884	0.0069648	0.0034	0.00744	0.0099	0.0018271
10	1.2554	1.2697	1.2807	0.0093268	1.2806	1.2958	1.3096	0.010041	0.0249	0.0261	0.0292	0.0017321
30	1.2576	1.2734	1.2904	0.0098731	1.3331	1.3454	1.3624	0.0095636	0.0617	0.07193	0.0773	0.0046719
50	1.2495	1.2716	1.2829	0.0097035	1.3521	1.3816	1.4068	0.014416	0.1007	0.10996	0.1239	0.0070577
100	1.2573	1.2696	1.2769	0.0071528	1.4477	1.4607	1.4764	0.011868	0.1726	0.19115	0.2019	0.009087

Device Test: 6.48; VIN_VALID





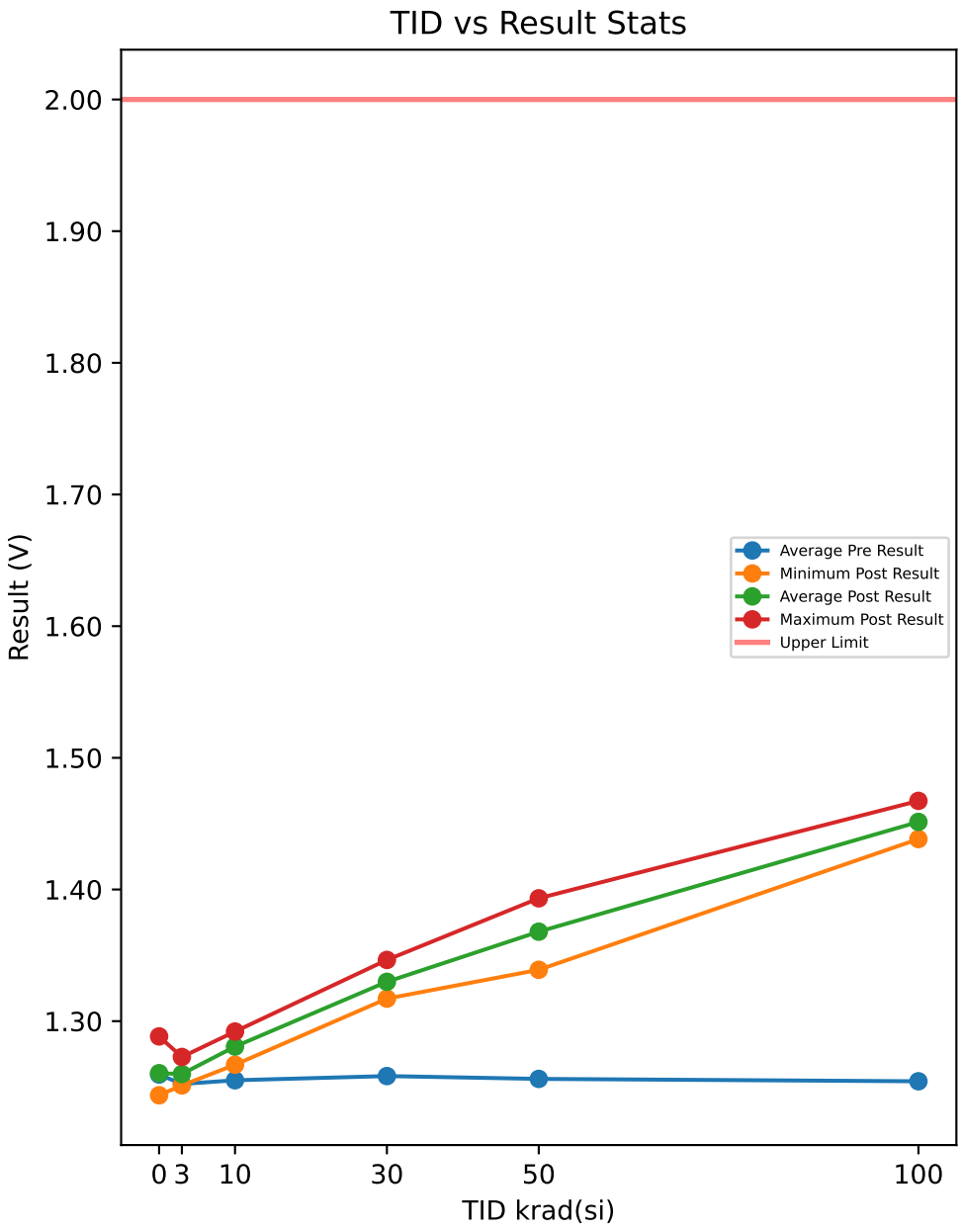
Test Results (Upper Limit = 2.0 (V))

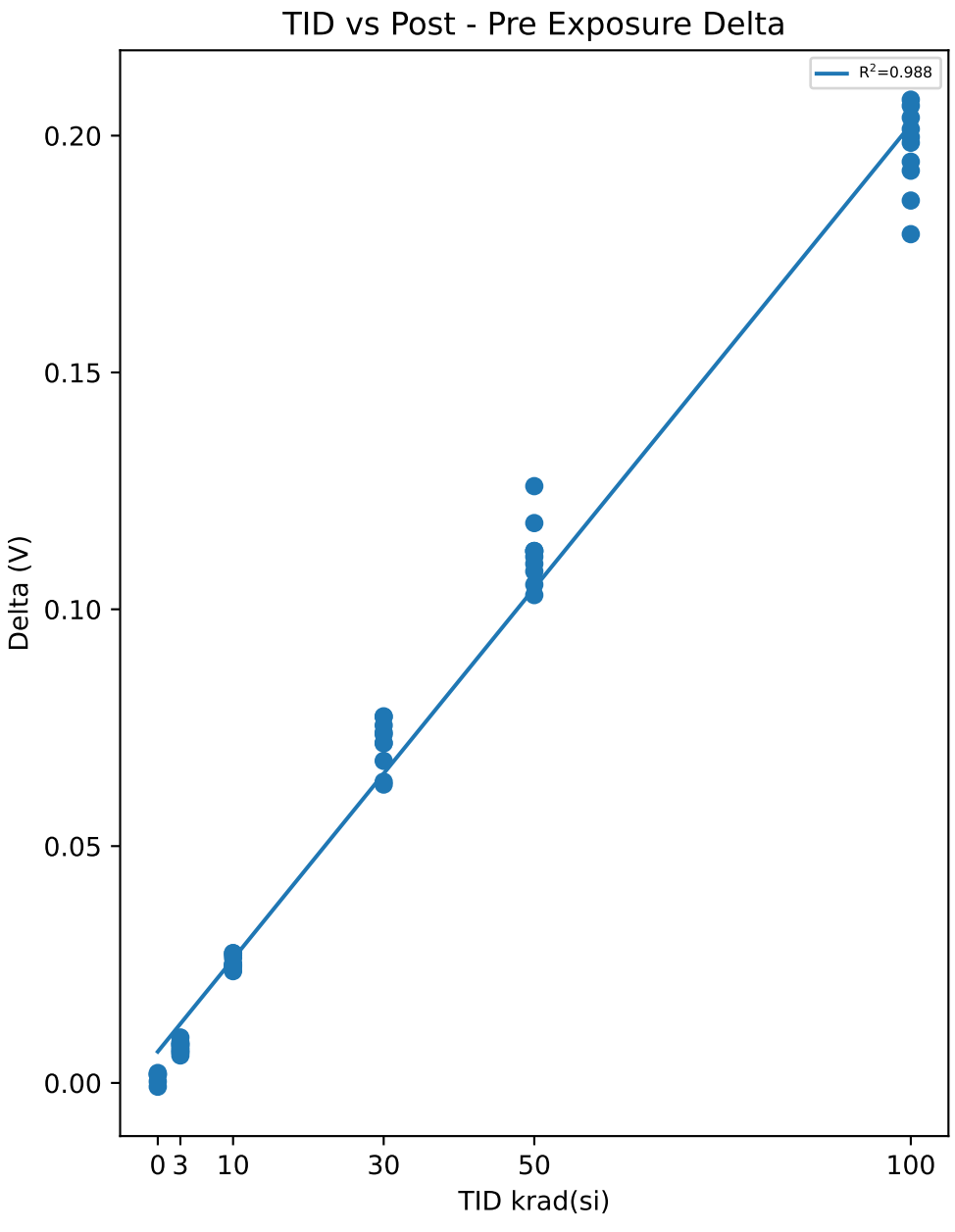
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.2826	1.29	0.0074
2	3	Biased	1.2613	1.2709	0.0096
3	3	Biased	1.2707	1.2768	0.0061
4	3	Biased	1.2726	1.2809	0.0083
5	3	Biased	1.2729	1.2787	0.0058
6	3	Unbiased	1.271	1.2809	0.0099
7	3	Unbiased	1.2645	1.2712	0.0067
8	3	Unbiased	1.2613	1.269	0.0077
9	3	Unbiased	1.2595	1.2672	0.0077
10	3	Unbiased	1.261	1.269	0.008
11	10	Biased	1.2829	1.3115	0.0286
12	10	Biased	1.2729	1.2984	0.0255
13	10	Biased	1.257	1.2809	0.0239
14	10	Biased	1.2804	1.3056	0.0252
15	10	Biased	1.2726	1.2978	0.0252
16	10	Unbiased	1.2576	1.2806	0.023
17	10	Unbiased	1.2769	1.3037	0.0268
18	10	Unbiased	1.261	1.2884	0.0274
19	10	Unbiased	1.2748	1.3021	0.0273
20	10	Unbiased	1.271	1.2978	0.0268
21	30	Biased	1.2807	1.3431	0.0624
22	30	Biased	1.2748	1.3487	0.0739
23	30	Biased	1.2766	1.3446	0.068
24	30	Biased	1.2926	1.364	0.0714
25	30	Biased	1.2688	1.3334	0.0646
26	30	Unbiased	1.2673	1.3409	0.0736
27	30	Unbiased	1.2707	1.3465	0.0758
28	30	Unbiased	1.2848	1.3621	0.0773
29	30	Unbiased	1.2591	1.3368	0.0777
30	30	Unbiased	1.2707	1.3427	0.072
31	50	Biased	1.2844	1.3855	0.1011
32	50	Biased	1.266	1.3758	0.1098
33	50	Biased	1.2688	1.3796	0.1108
34	50	Biased	1.2788	1.3871	0.1083
35	50	Biased	1.2513	1.3543	0.103
36	50	Unbiased	1.2766	1.3893	0.1127
37	50	Unbiased	1.267	1.3699	0.1029
38	50	Unbiased	1.2844	1.4068	0.1224
39	50	Unbiased	1.2751	1.3852	0.1101
40	50	Unbiased	1.2748	1.3896	0.1148
41	100	Biased	1.2591	1.4474	0.1883
42	100	Biased	1.2748	1.4648	0.19
43	100	Biased	1.2691	1.4673	0.1982
44	100	Biased	1.2691	1.4552	0.1861
45	100	Biased	1.2769	1.4477	0.1708
46	100	Unbiased	1.2791	1.4764	0.1973
47	100	Unbiased	1.271	1.4514	0.1804
48	100	Unbiased	1.2573	1.4514	0.1941
49	100	Unbiased	1.2732	1.4748	0.2016
50	100	Unbiased	1.2788	1.4789	0.2001
51	0	Correlation	1.2926	1.2921	-0.0005
52	0	Correlation	1.2591	1.2594	0.0003
53	0	Correlation	1.3038	1.3059	0.0021
54	0	Correlation	1.2641	1.265	0.0009
55	0	Correlation	1.2591	1.259	-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	1.2591	1.2757	1.3038	0.020981	1.259	1.2763	1.3059	0.021438	-0.0005	0.00054	0.0021	0.0010139
3	1.2595	1.2677	1.2826	0.0074328	1.2672	1.2755	1.29	0.0072535	0.0058	0.00772	0.0099	0.0013398
10	1.257	1.2707	1.2829	0.00919	1.2806	1.2967	1.3115	0.010325	0.023	0.02597	0.0286	0.0017199
30	1.2591	1.2746	1.2926	0.0095852	1.3334	1.3463	1.364	0.0098918	0.0624	0.07167	0.0777	0.0052002
50	1.2513	1.2727	1.2844	0.009927	1.3543	1.3823	1.4068	0.013871	0.1011	0.10959	0.1224	0.0063649
100	1.2573	1.2708	1.2791	0.0075778	1.4474	1.4615	1.4789	0.012379	0.1708	0.19069	0.2016	0.0097071

Device Test: 6.49; VIN_VALID





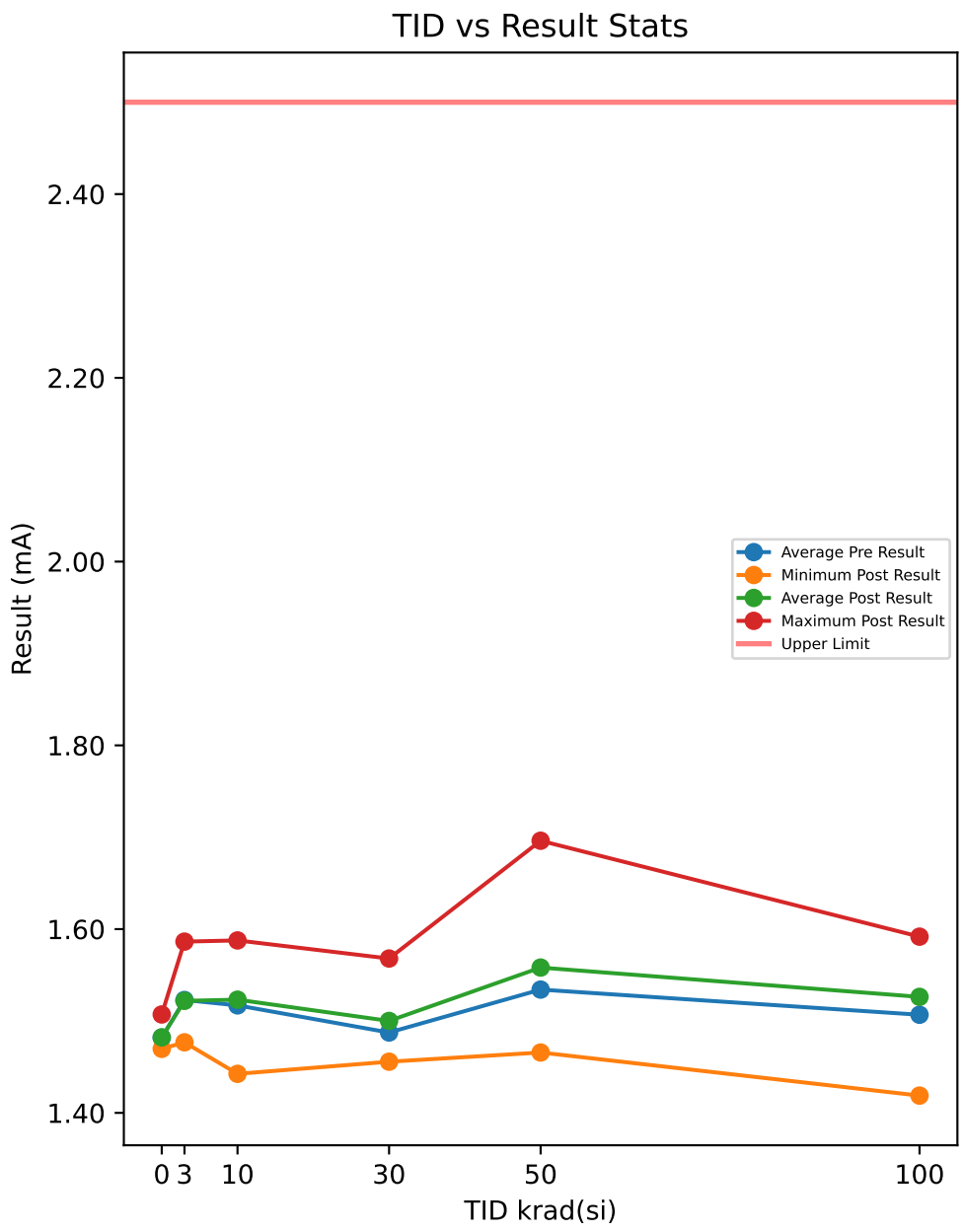
Test Results (Upper Limit = 2.0 (V))

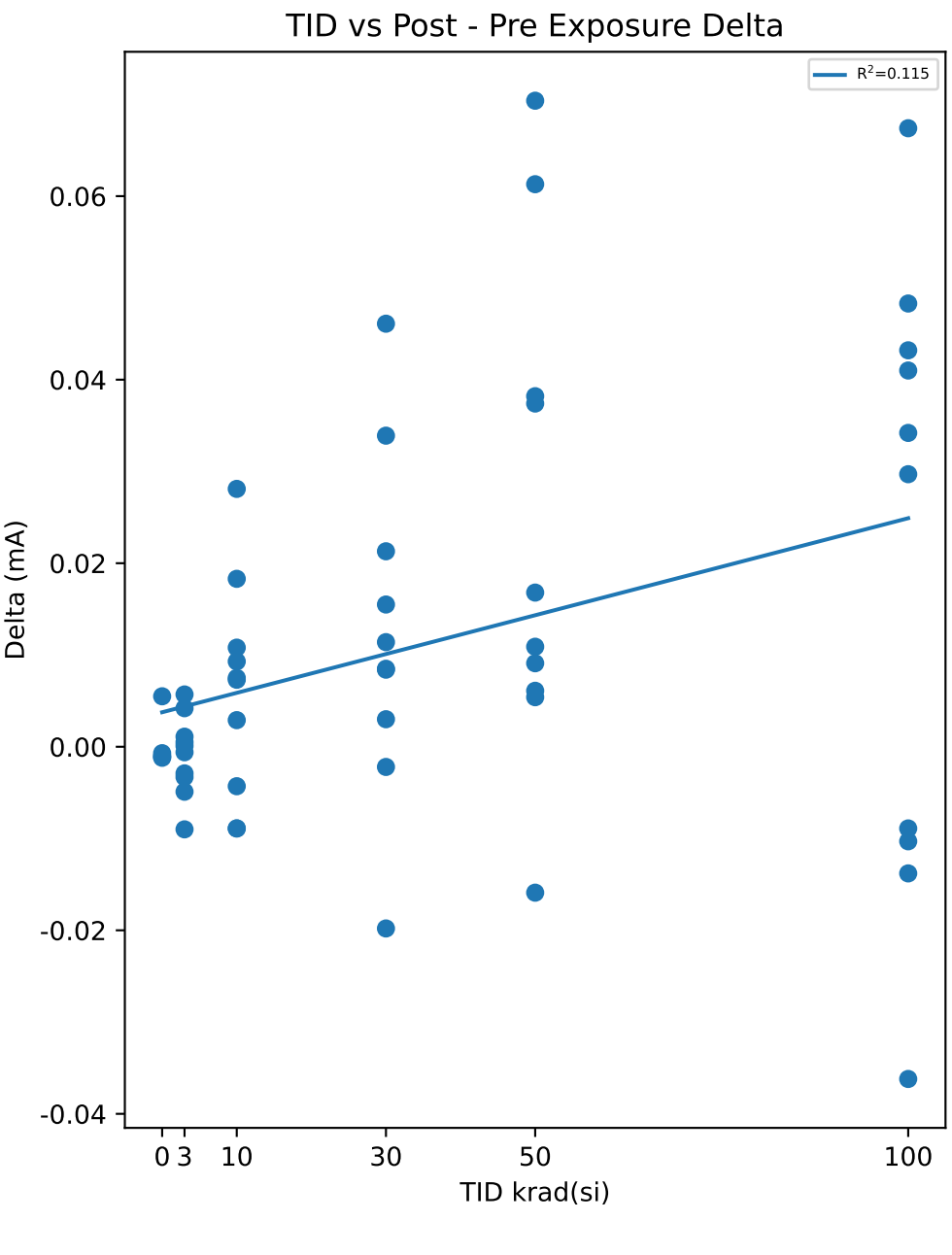
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.2663	1.2728	0.0065
2	3	Biased	1.2479	1.2553	0.0074
3	3	Biased	1.2557	1.2622	0.0065
4	3	Biased	1.2554	1.264	0.0086
5	3	Biased	1.2573	1.2653	0.008
6	3	Unbiased	1.2557	1.2653	0.0096
7	3	Unbiased	1.2473	1.2553	0.008
8	3	Unbiased	1.2454	1.2537	0.0083
9	3	Unbiased	1.2442	1.2512	0.007
10	3	Unbiased	1.2476	1.2534	0.0058
11	10	Biased	1.2657	1.2921	0.0264
12	10	Biased	1.2557	1.2809	0.0252
13	10	Biased	1.2423	1.2672	0.0249
14	10	Biased	1.2657	1.2903	0.0246
15	10	Biased	1.2573	1.2809	0.0236
16	10	Unbiased	1.2423	1.2669	0.0246
17	10	Unbiased	1.2616	1.2865	0.0249
18	10	Unbiased	1.2454	1.2728	0.0274
19	10	Unbiased	1.2595	1.2865	0.027
20	10	Unbiased	1.2554	1.2828	0.0274
21	30	Biased	1.2641	1.3271	0.063
22	30	Biased	1.2591	1.3331	0.074
23	30	Biased	1.2613	1.3293	0.068
24	30	Biased	1.2748	1.3465	0.0717
25	30	Biased	1.2535	1.3171	0.0636
26	30	Unbiased	1.2517	1.3253	0.0736
27	30	Unbiased	1.2535	1.3309	0.0774
28	30	Unbiased	1.2691	1.3446	0.0755
29	30	Unbiased	1.2423	1.3196	0.0773
30	30	Unbiased	1.2535	1.3253	0.0718
31	50	Biased	1.2638	1.3718	0.108
32	50	Biased	1.2513	1.3624	0.1111
33	50	Biased	1.2535	1.3658	0.1123
34	50	Biased	1.2641	1.3737	0.1096
35	50	Biased	1.2338	1.339	0.1052
36	50	Unbiased	1.2595	1.3718	0.1123
37	50	Unbiased	1.2513	1.3543	0.103
38	50	Unbiased	1.2673	1.3933	0.126
39	50	Unbiased	1.2595	1.3718	0.1123
40	50	Unbiased	1.2573	1.3755	0.1182
41	100	Biased	1.2438	1.4383	0.1945
42	100	Biased	1.2573	1.4558	0.1985
43	100	Biased	1.2517	1.4555	0.2038
44	100	Biased	1.2532	1.4458	0.1926
45	100	Biased	1.2591	1.4383	0.1792
46	100	Unbiased	1.2641	1.4655	0.2014
47	100	Unbiased	1.2554	1.4417	0.1863
48	100	Unbiased	1.2423	1.442	0.1997
49	100	Unbiased	1.2554	1.463	0.2076
50	100	Unbiased	1.261	1.4673	0.2063
51	0	Correlation	1.2748	1.2765	0.0017
52	0	Correlation	1.2438	1.2441	0.0003
53	0	Correlation	1.2866	1.2884	0.0018
54	0	Correlation	1.2476	1.2497	0.0021
55	0	Correlation	1.2445	1.2437	-0.0008

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	1.2438	1.2595	1.2866	0.019885	1.2437	1.2605	1.2884	0.020629	-0.0008	0.00102	0.0021	0.0012317
3	1.2442	1.2523	1.2663	0.0069394	1.2512	1.2599	1.2728	0.0070357	0.0058	0.00757	0.0096	0.001148
10	1.2423	1.2551	1.2657	0.0089031	1.2669	1.2807	1.2921	0.0089999	0.0236	0.0256	0.0274	0.0013425
30	1.2423	1.2583	1.2748	0.0094331	1.3171	1.3299	1.3465	0.0095646	0.063	0.07159	0.0774	0.0051862
50	1.2338	1.2561	1.2673	0.009565	1.339	1.3679	1.3933	0.014287	0.103	0.1118	0.126	0.006533
100	1.2423	1.2543	1.2641	0.006973	1.4383	1.4513	1.4673	0.011447	0.1792	0.19699	0.2076	0.0090119

Device Test: 6.5; IQ





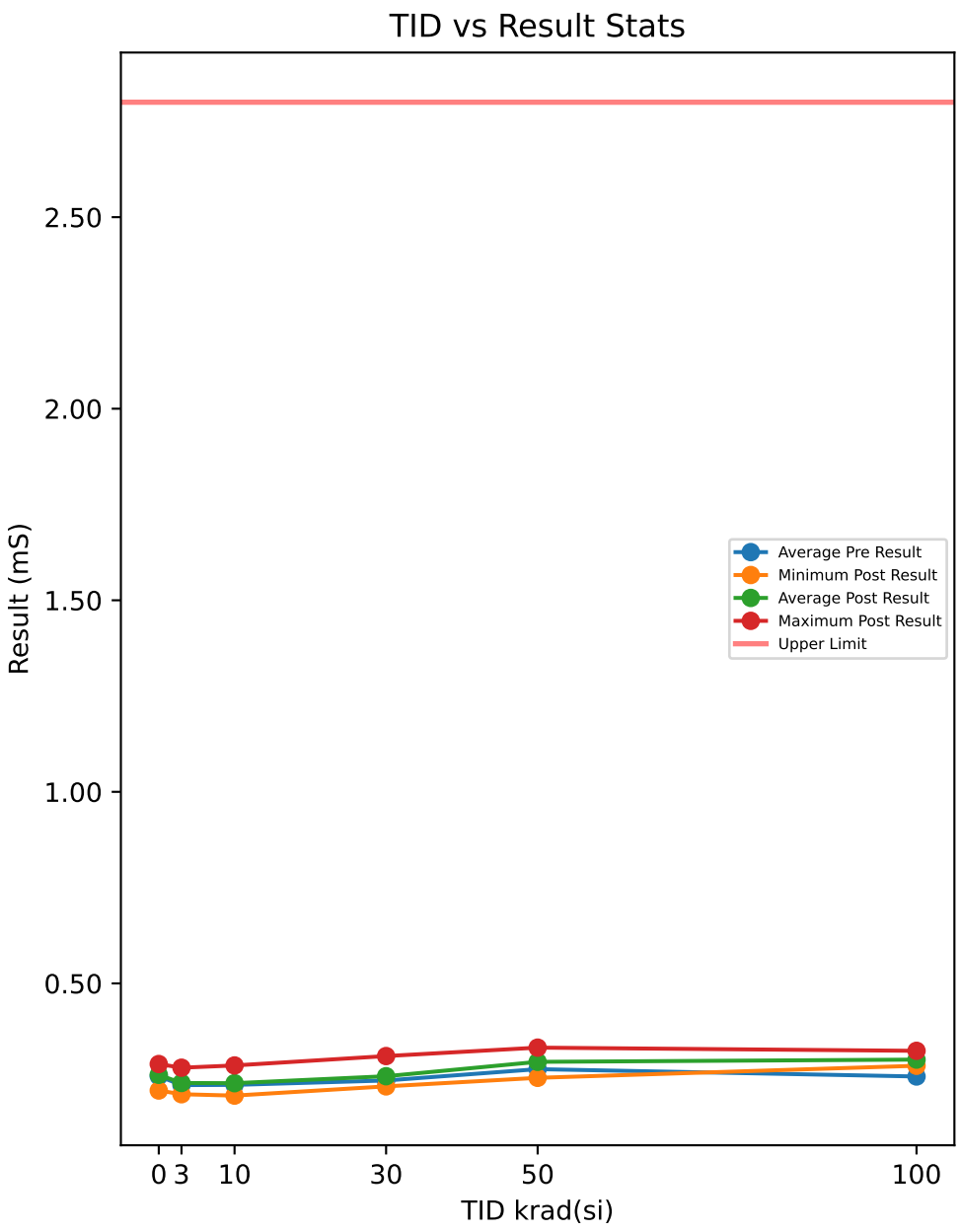
Test Results (Upper Limit = 2.5 (mA))

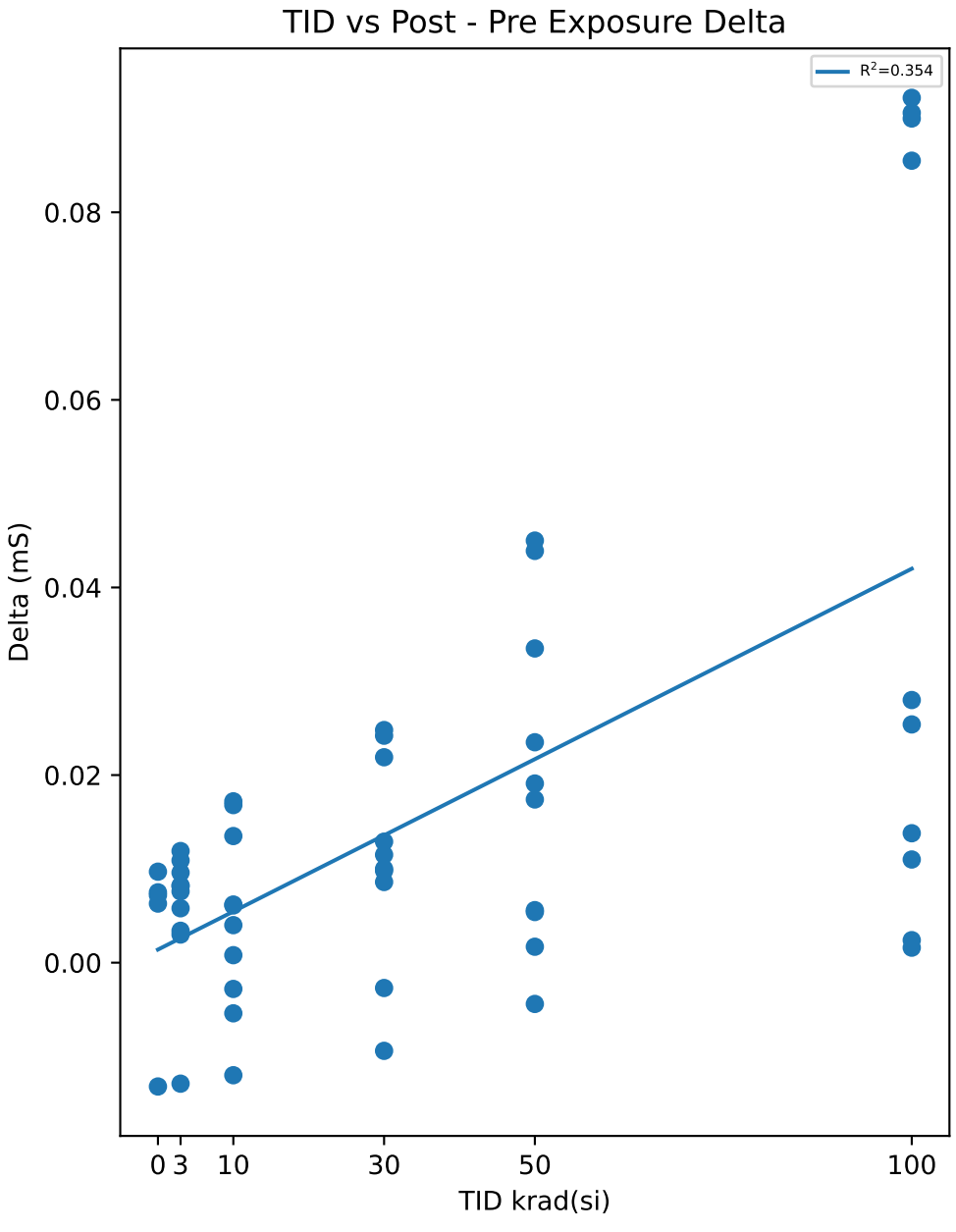
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.4998	1.4965	-0.0033
2	3	Biased	1.4868	1.4862	-0.0006
3	3	Biased	1.5091	1.5092	0.0001
4	3	Biased	1.564	1.555	-0.009
5	3	Biased	1.5853	1.5864	0.0011
6	3	Unbiased	1.4797	1.4768	-0.0029
7	3	Unbiased	1.4873	1.4878	0.0005
8	3	Unbiased	1.5635	1.5586	-0.0049
9	3	Unbiased	1.5222	1.5279	0.0057
10	3	Unbiased	1.5308	1.535	0.0042
11	10	Biased	1.546	1.5643	0.0183
12	10	Biased	1.4683	1.4964	0.0281
13	10	Biased	1.517	1.5243	0.0073
14	10	Biased	1.4861	1.4818	-0.0043
15	10	Biased	1.5638	1.5667	0.0029
16	10	Unbiased	1.5604	1.5515	-0.0089
17	10	Unbiased	1.5198	1.5109	-0.0089
18	10	Unbiased	1.4967	1.506	0.0093
19	10	Unbiased	1.5802	1.5877	0.0075
20	10	Unbiased	1.4317	1.4425	0.0108
21	30	Biased	1.5129	1.5214	0.0085
22	30	Biased	1.4571	1.4784	0.0213
23	30	Biased	1.4528	1.4612	0.0084
24	30	Biased	1.5054	1.5393	0.0339
25	30	Biased	1.4756	1.4558	-0.0198
26	30	Unbiased	1.5113	1.5091	-0.0022
27	30	Unbiased	1.4711	1.4741	0.003
28	30	Unbiased	1.5219	1.568	0.0461
29	30	Unbiased	1.5223	1.5378	0.0155
30	30	Unbiased	1.4443	1.4557	0.0114
31	50	Biased	1.5385	1.5759	0.0374
32	50	Biased	1.4706	1.5319	0.0613
33	50	Biased	1.5583	1.5965	0.0382
34	50	Biased	1.6258	1.6962	0.0704
35	50	Biased	1.4906	1.4997	0.0091
36	50	Unbiased	1.5764	1.5825	0.0061
37	50	Unbiased	1.4893	1.5002	0.0109
38	50	Unbiased	1.4603	1.4657	0.0054
39	50	Unbiased	1.4929	1.477	-0.0159
40	50	Unbiased	1.6392	1.656	0.0168
41	100	Biased	1.4684	1.4581	-0.0103
42	100	Biased	1.491	1.5584	0.0674
43	100	Biased	1.455	1.4188	-0.0362
44	100	Biased	1.5219	1.5516	0.0297
45	100	Biased	1.518	1.5612	0.0432
46	100	Unbiased	1.4514	1.4997	0.0483
47	100	Unbiased	1.4835	1.5177	0.0342
48	100	Unbiased	1.5508	1.5918	0.041
49	100	Unbiased	1.5654	1.5565	-0.0089
50	100	Unbiased	1.5626	1.5488	-0.0138
51	0	Correlation	1.5081	1.5071	-0.001
52	0	Correlation	1.4704	1.4697	-0.0007
53	0	Correlation	1.4759	1.4814	0.0055
54	0	Correlation	1.4791	1.4779	-0.0012
55	0	Correlation	1.4759	1.4748	-0.0011

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	1.4704	1.4819	1.5081	0.014988	1.4697	1.4822	1.5071	0.014579	-0.0012	0.0003	0.0055	0.0029129
3	1.4797	1.5229	1.5853	0.037201	1.4768	1.5219	1.5864	0.036649	-0.009	-0.00091	0.0057	0.0043204
10	1.4317	1.517	1.5802	0.04706	1.4425	1.5232	1.5877	0.044641	-0.0089	0.00621	0.0281	0.011723
30	1.4443	1.4875	1.5223	0.030426	1.4557	1.5001	1.568	0.04041	-0.0198	0.01261	0.0461	0.01843
50	1.4603	1.5342	1.6392	0.064053	1.4657	1.5582	1.6962	0.077177	-0.0159	0.02397	0.0704	0.02714
100	1.4514	1.5068	1.5654	0.043278	1.4188	1.5263	1.5918	0.053319	-0.0362	0.01946	0.0674	0.033951

Device Test: 6.50; START_DLY





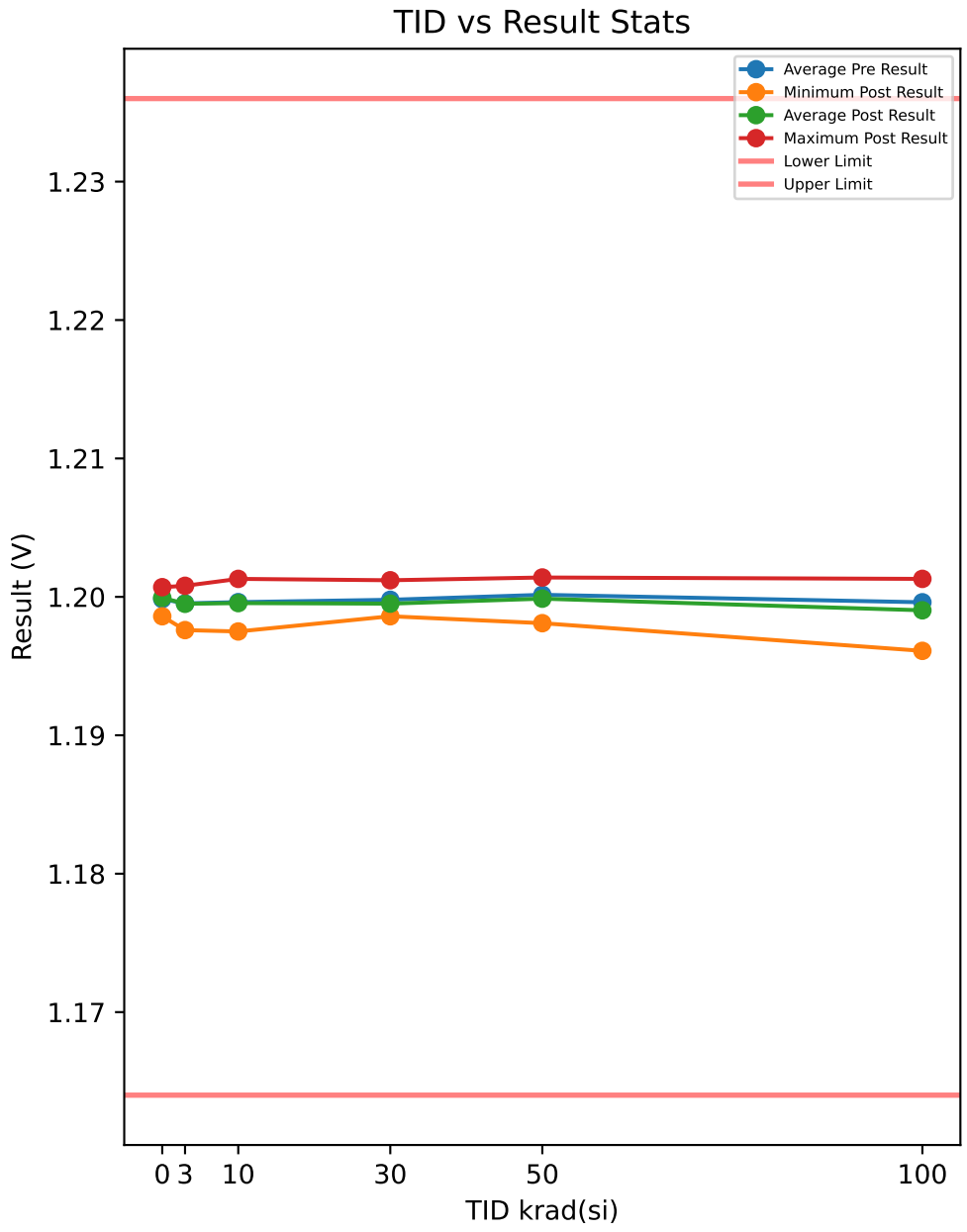
Test Results (Upper Limit = 2.8 (mS))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2488	0.257	0.0082
2	3	Biased	0.2652	0.2734	0.0082
3	3	Biased	0.2919	0.279	-0.0129
4	3	Biased	0.2192	0.225	0.0058
5	3	Biased	0.2073	0.2107	0.0034
6	3	Unbiased	0.268	0.2799	0.0119
7	3	Unbiased	0.2045	0.2141	0.0096
8	3	Unbiased	0.2111	0.222	0.0109
9	3	Unbiased	0.2175	0.2251	0.0076
10	3	Unbiased	0.2114	0.2144	0.003
11	10	Biased	0.2604	0.2576	-0.0028
12	10	Biased	0.2103	0.2164	0.0061
13	10	Biased	0.2978	0.2858	-0.012
14	10	Biased	0.2132	0.2194	0.0062
15	10	Biased	0.2031	0.2071	0.004
16	10	Unbiased	0.2	0.2135	0.0135
17	10	Unbiased	0.2578	0.275	0.0172
18	10	Unbiased	0.2102	0.227	0.0168
19	10	Unbiased	0.2803	0.2811	0.0008
20	10	Unbiased	0.2176	0.2122	-0.0054
21	30	Biased	0.2458	0.2431	-0.0027
22	30	Biased	0.2671	0.2757	0.0086
23	30	Biased	0.2382	0.2482	0.01
24	30	Biased	0.2222	0.2464	0.0242
25	30	Biased	0.2064	0.2312	0.0248
26	30	Unbiased	0.2356	0.2471	0.0115
27	30	Unbiased	0.2691	0.2597	-0.0094
28	30	Unbiased	0.2136	0.2355	0.0219
29	30	Unbiased	0.27	0.2798	0.0098
30	30	Unbiased	0.2974	0.3103	0.0129
31	50	Biased	0.2938	0.3129	0.0191
32	50	Biased	0.3048	0.3065	0.0017
33	50	Biased	0.3049	0.3005	-0.0044
34	50	Biased	0.22	0.2535	0.0335
35	50	Biased	0.3037	0.3093	0.0056
36	50	Unbiased	0.2934	0.3169	0.0235
37	50	Unbiased	0.2126	0.2576	0.045
38	50	Unbiased	0.3149	0.3323	0.0174
39	50	Unbiased	0.2264	0.2703	0.0439
40	50	Unbiased	0.2871	0.2925	0.0054
41	100	Biased	0.3102	0.324	0.0138
42	100	Biased	0.2917	0.3027	0.011
43	100	Biased	0.2952	0.2968	0.0016
44	100	Biased	0.2025	0.2925	0.09
45	100	Biased	0.2833	0.3113	0.028
46	100	Unbiased	0.2179	0.3085	0.0906
47	100	Unbiased	0.1935	0.2857	0.0922
48	100	Unbiased	0.2755	0.3009	0.0254
49	100	Unbiased	0.2177	0.3032	0.0855
50	100	Unbiased	0.2826	0.285	0.0024
51	0	Correlation	0.2141	0.2213	0.0072
52	0	Correlation	0.2141	0.2204	0.0063
53	0	Correlation	0.2799	0.2874	0.0075
54	0	Correlation	0.3027	0.2895	-0.0132
55	0	Correlation	0.2788	0.2885	0.0097

Test Statistics (mS)

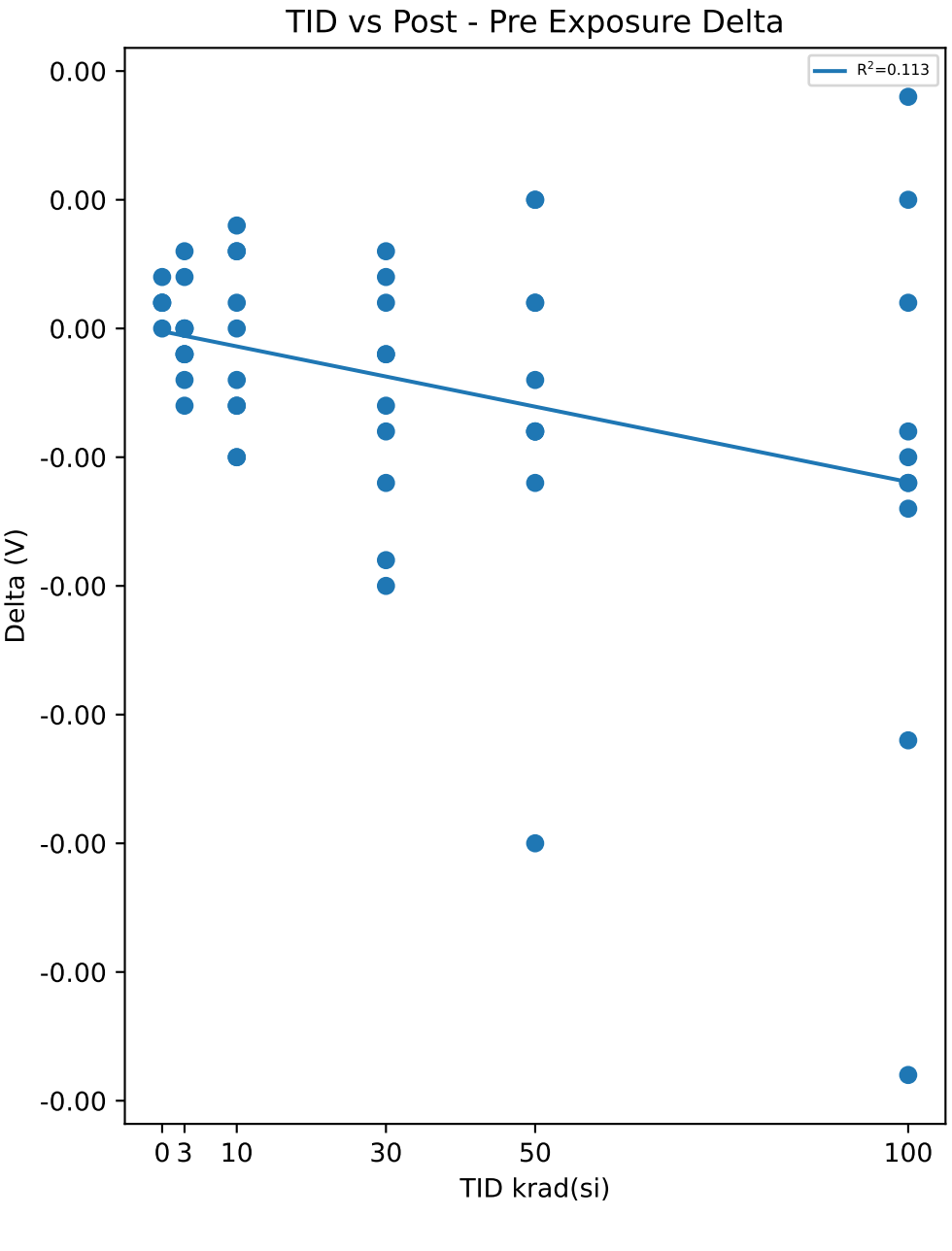
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2141	0.25792	0.3027	0.041124	0.2204	0.26142	0.2895	0.037044	-0.0132	0.0035	0.0097	0.0094189
3	0.2045	0.23449	0.2919	0.031284	0.2107	0.24006	0.2799	0.028816	-0.0129	0.00557	0.0119	0.0071117
10	0.2	0.23507	0.2978	0.035601	0.2071	0.23951	0.2858	0.03167	-0.012	0.00444	0.0172	0.0096407
30	0.2064	0.24654	0.2974	0.028958	0.2312	0.2577	0.3103	0.024317	-0.0094	0.01116	0.0248	0.011051
50	0.2126	0.27616	0.3149	0.039866	0.2535	0.29523	0.3323	0.026447	-0.0044	0.01907	0.045	0.01745
100	0.1935	0.25701	0.3102	0.043791	0.285	0.30106	0.324	0.011921	0.0016	0.04405	0.0922	0.040089

Device Test: 6.51; VHYS



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

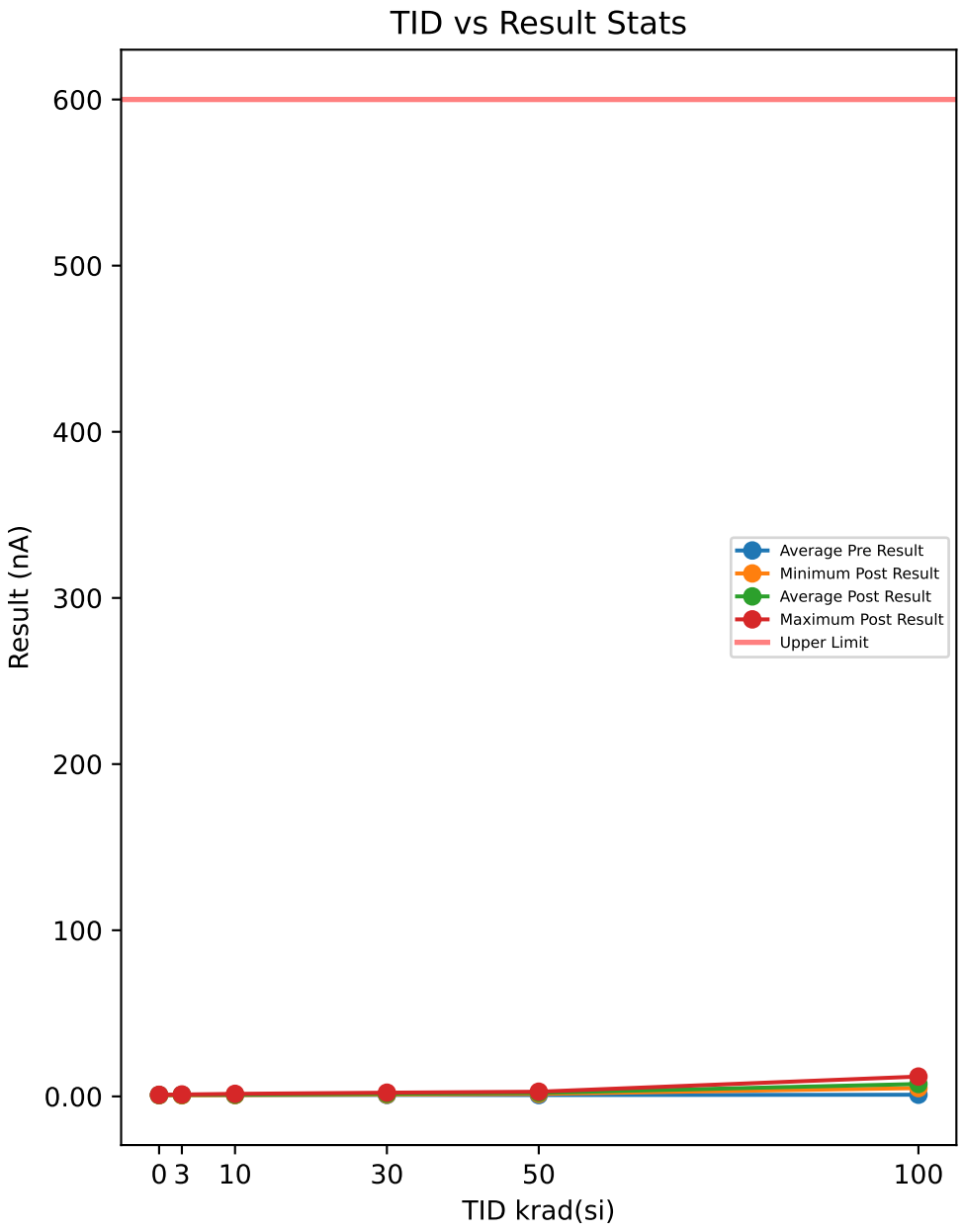
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.1987	1.1986	-0.0001
2	3	Biased	1.1993	1.199	-0.0003
3	3	Biased	1.201	1.2008	-0.0002
4	3	Biased	1.1999	1.2001	0.0002
5	3	Biased	1.2004	1.2004	0
6	3	Unbiased	1.2	1.2	0
7	3	Unbiased	1.1977	1.1976	-0.0001
8	3	Unbiased	1.1984	1.1987	0.0003
9	3	Unbiased	1.1992	1.1992	0
10	3	Unbiased	1.2007	1.2006	-0.0001
11	10	Biased	1.1992	1.1987	-0.0005
12	10	Biased	1.198	1.1975	-0.0005
13	10	Biased	1.201	1.2013	0.0003
14	10	Biased	1.2	1.1998	-0.0002
15	10	Biased	1.1994	1.1994	0
16	10	Unbiased	1.2002	1.2003	0.0001
17	10	Unbiased	1.2009	1.2012	0.0003
18	10	Unbiased	1.1999	1.1996	-0.0003
19	10	Unbiased	1.1985	1.1989	0.0004
20	10	Unbiased	1.1991	1.1988	-0.0003
21	30	Biased	1.1997	1.1988	-0.0009
22	30	Biased	1.2002	1.2005	0.0003
23	30	Biased	1.2003	1.1997	-0.0006
24	30	Biased	1.201	1.2012	0.0002
25	30	Biased	1.1989	1.1988	-0.0001
26	30	Unbiased	1.1987	1.1986	-0.0001
27	30	Unbiased	1.1992	1.1988	-0.0004
28	30	Unbiased	1.1999	1.1996	-0.0003
29	30	Unbiased	1.2002	1.2003	0.0001
30	30	Unbiased	1.1998	1.1988	-0.001
31	50	Biased	1.2008	1.2009	0.0001
32	50	Biased	1.2016	1.2014	-0.0002
33	50	Biased	1.1989	1.1983	-0.0006
34	50	Biased	1.1999	1.1995	-0.0004
35	50	Biased	1.2009	1.2005	-0.0004
36	50	Unbiased	1.1984	1.1989	0.0005
37	50	Unbiased	1.2001	1.1981	-0.002
38	50	Unbiased	1.2009	1.2005	-0.0004
39	50	Unbiased	1.2011	1.2012	0.0001
40	50	Unbiased	1.1989	1.1994	0.0005
41	100	Biased	1.1985	1.1979	-0.0006
42	100	Biased	1.199	1.1961	-0.0029
43	100	Biased	1.2008	1.2013	0.0005
44	100	Biased	1.1998	1.1993	-0.0005
45	100	Biased	1.2004	1.2	-0.0004
46	100	Unbiased	1.2005	1.2006	0.0001
47	100	Unbiased	1.1998	1.1992	-0.0006
48	100	Unbiased	1.1999	1.2008	0.0009
49	100	Unbiased	1.1986	1.1979	-0.0007
50	100	Unbiased	1.1988	1.1972	-0.0016
51	0	Correlation	1.2005	1.2007	0.0002
52	0	Correlation	1.2006	1.2007	0.0001
53	0	Correlation	1.2006	1.2006	0
54	0	Correlation	1.1985	1.1986	0.0001
55	0	Correlation	1.199	1.1991	0.0001

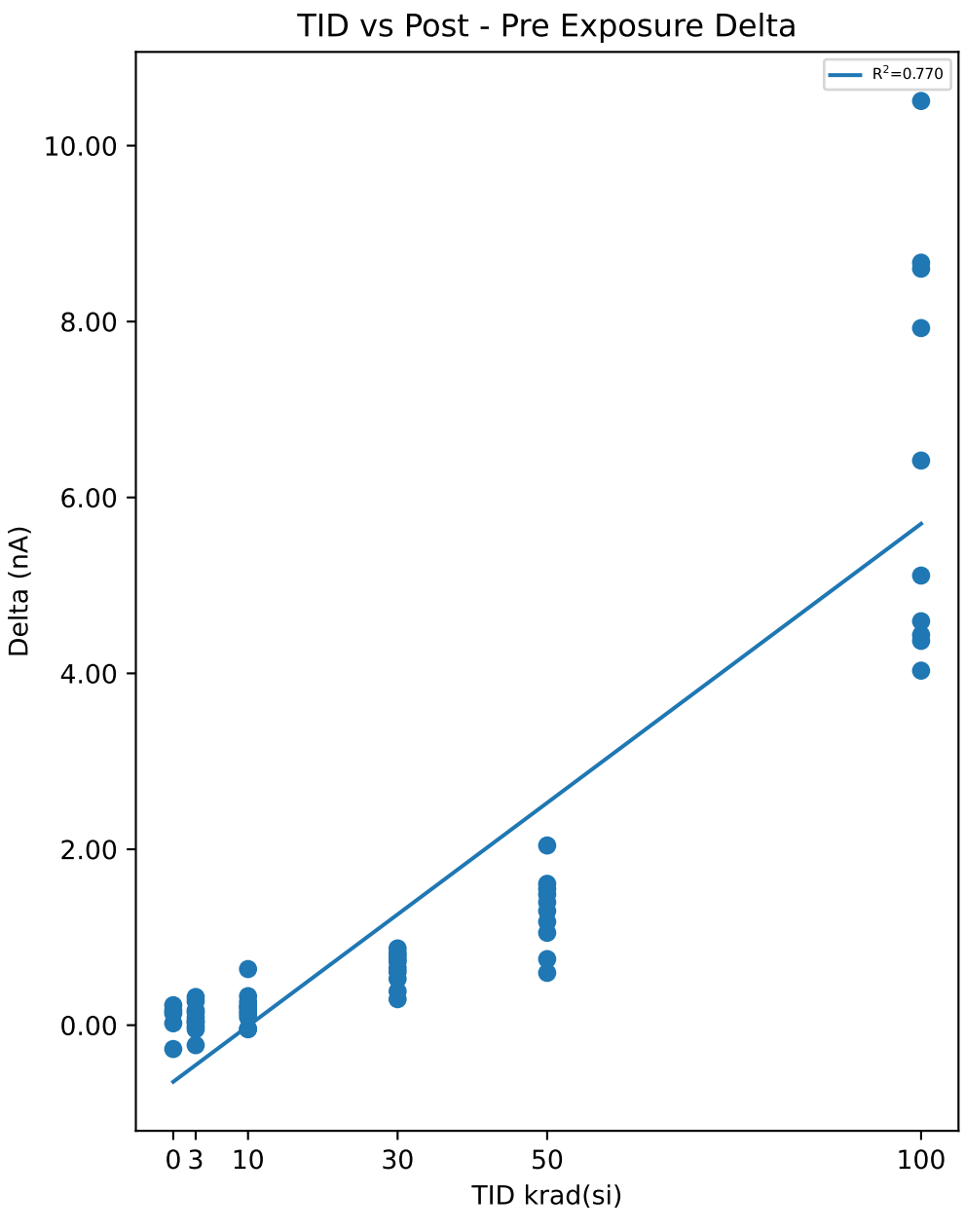


Test Statistics (V)

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	1.1985	1.1998	1.2006	0.0010114	1.1986	1.1999	1.2007	0.0010114	0	0.0001	0.0002	7.0711e-05
3	1.1977	1.1995	1.201	0.0010605	1.1976	1.1995	1.2008	0.0010392	-0.0003	-3e-05	0.0003	0.0001767
10	1.198	1.1996	1.201	0.00097045	1.1975	1.1995	1.2013	0.0011712	-0.0005	-7e-05	0.0004	0.00033682
30	1.1987	1.1998	1.201	0.00069992	1.1986	1.1995	1.2012	0.00090363	-0.001	-0.00028	0.0003	0.00044672
50	1.1984	1.2002	1.2016	0.0010957	1.1981	1.1999	1.2014	0.0011954	-0.002	-0.00028	0.0005	0.00071616
100	1.1985	1.1996	1.2008	0.0008346	1.1961	1.199	1.2013	0.0017088	-0.0029	-0.00058	0.0009	0.0010696

Device Test: 6.56; PWRGD_ILKG_OD





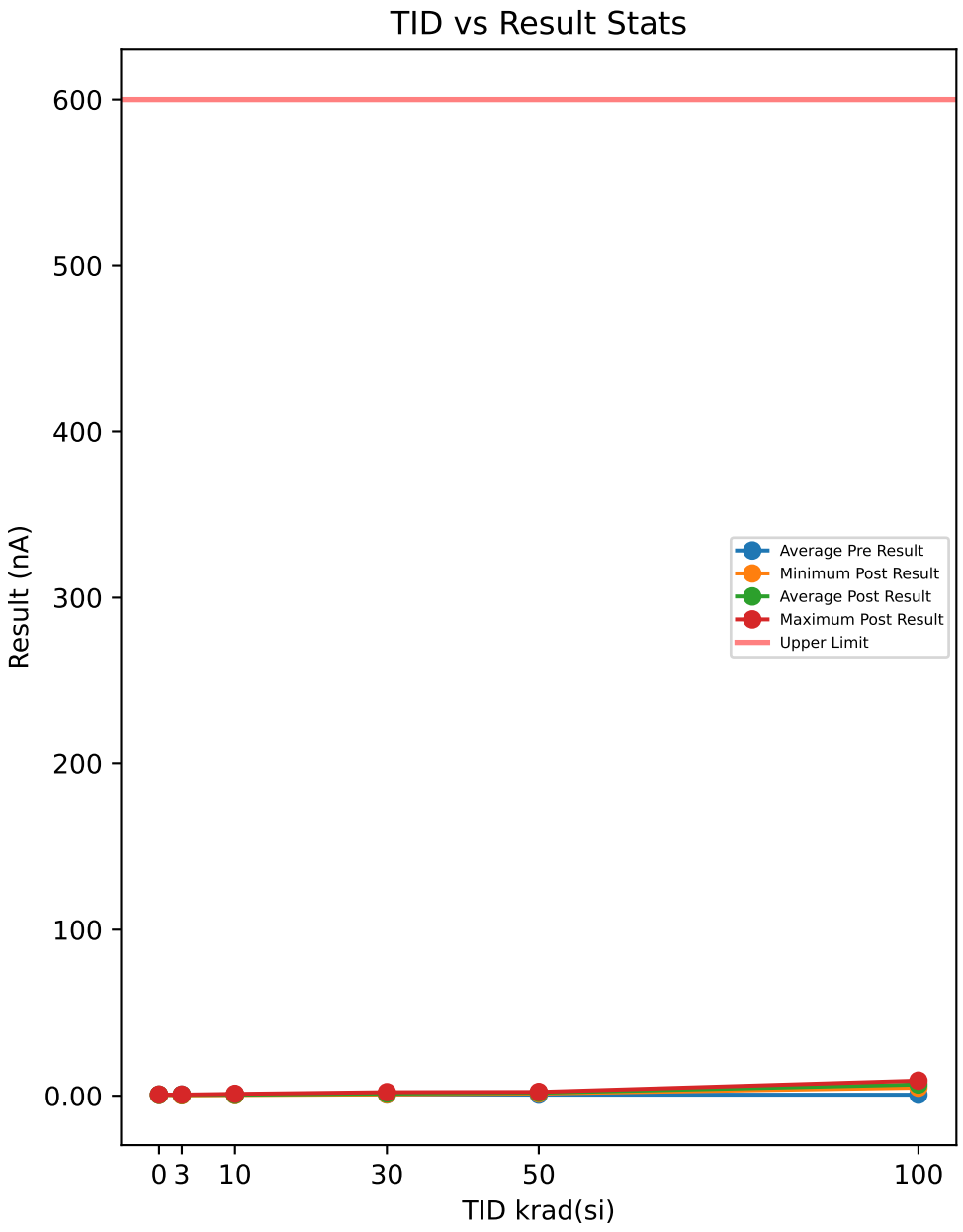
Test Results (Upper Limit = 600.0 (nA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.9059	0.6784	-0.2275
2	3	Biased	0.8571	0.8105	-0.0466
3	3	Biased	0.8083	1.1287	0.3204
4	3	Biased	0.9351	1.0797	0.1446
5	3	Biased	0.7596	1.0308	0.2712
6	3	Unbiased	0.9449	0.9867	0.0418
7	3	Unbiased	0.7108	0.7469	0.0361
8	3	Unbiased	0.9741	0.9623	-0.0118
9	3	Unbiased	0.8522	0.9378	0.0856
10	3	Unbiased	0.9888	1.1581	0.1693
11	10	Biased	0.7693	0.8595	0.0902
12	10	Biased	0.6913	0.9574	0.2661
13	10	Biased	0.8376	0.791	-0.0466
14	10	Biased	0.784	1.114	0.33
15	10	Biased	1.3301	1.5398	0.2097
16	10	Unbiased	0.8376	1.0014	0.1638
17	10	Unbiased	0.862	0.9916	0.1296
18	10	Unbiased	1.0424	1.0014	-0.041
19	10	Unbiased	0.6669	1.3049	0.638
20	10	Unbiased	0.6913	0.9035	0.2122
21	30	Biased	0.6913	1.437	0.7457
22	30	Biased	0.7693	1.3734	0.6041
23	30	Biased	1.0131	1.3979	0.3848
24	30	Biased	0.8035	1.0993	0.2958
25	30	Biased	0.7206	1.5398	0.8192
26	30	Unbiased	0.7352	1.5251	0.7899
27	30	Unbiased	0.9205	1.6426	0.7221
28	30	Unbiased	0.545	1.4175	0.8725
29	30	Unbiased	0.979	1.5056	0.5266
30	30	Unbiased	1.5886	2.2397	0.6511
31	50	Biased	0.901	1.4958	0.5948
32	50	Biased	0.6572	1.9558	1.2986
33	50	Biased	0.6962	1.8726	1.1764
34	50	Biased	0.8912	1.6426	0.7514
35	50	Biased	0.9644	2.0146	1.0502
36	50	Unbiased	0.7157	2.3229	1.6072
37	50	Unbiased	0.8669	2.4159	1.549
38	50	Unbiased	0.7791	2.8222	2.0431
39	50	Unbiased	0.6816	2.0782	1.3966
40	50	Unbiased	0.979	2.4649	1.4859
41	100	Biased	0.7596	5.196	4.4364
42	100	Biased	0.7937	5.9057	5.112
43	100	Biased	0.9644	4.9953	4.0309
44	100	Biased	0.6621	5.2547	4.5926
45	100	Biased	2.5053	6.8748	4.3695
46	100	Unbiased	0.623	9.2926	8.6696
47	100	Unbiased	1.0327	7.4523	6.4196
48	100	Unbiased	0.6426	9.2437	8.6011
49	100	Unbiased	0.6621	8.5878	7.9257
50	100	Unbiased	1.4276	11.936	10.508
51	0	Correlation	0.7498	0.884	0.1342
52	0	Correlation	0.7352	0.9623	0.2271
53	0	Correlation	0.7352	0.9035	0.1683
54	0	Correlation	0.7206	0.742	0.0214
55	0	Correlation	0.979	0.7078	-0.2712

Test Statistics (nA)

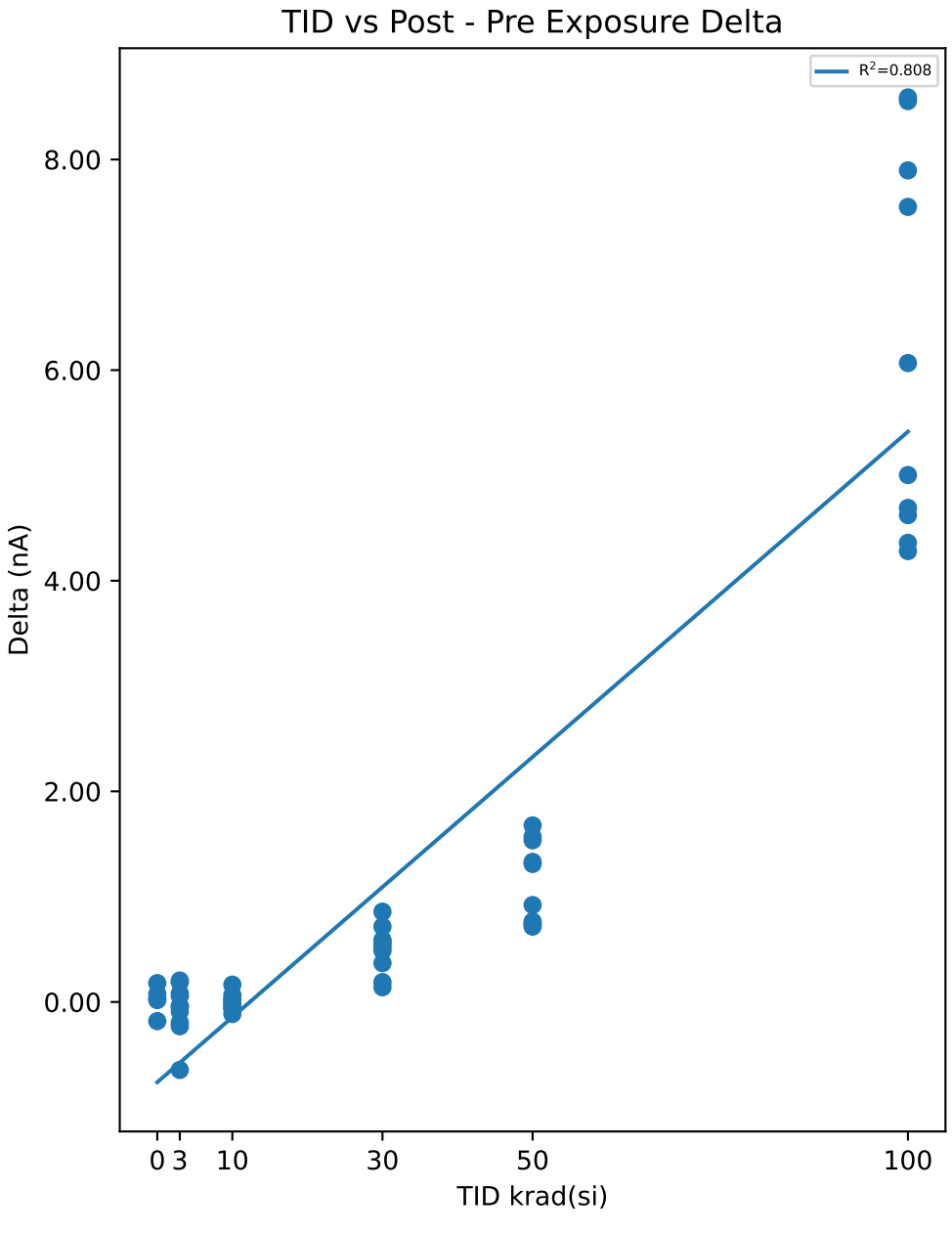
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7206	0.78396	0.979	0.10952	0.7078	0.83992	0.9623	0.10955	-0.2712	0.05596	0.2271	0.19765
3	0.7108	0.87368	0.9888	0.09296	0.6784	0.95199	1.1581	0.16148	-0.2275	0.07831	0.3204	0.15948
10	0.6669	0.85125	1.3301	0.20075	0.791	1.0465	1.5398	0.2237	-0.0466	0.1952	0.638	0.1973
30	0.545	0.87661	1.5886	0.28742	1.0993	1.5178	2.2397	0.29143	0.2958	0.64118	0.8725	0.18986
50	0.6572	0.81323	0.979	0.12158	1.4958	2.1086	2.8222	0.40249	0.5948	1.2953	2.0431	0.42534
100	0.623	1.0073	2.5053	0.58206	4.9953	7.4739	11.936	2.277	4.0309	6.4665	10.508	2.3015

Device Test: 6.57; WDO_ILKG_OD



Test Results (Upper Limit = 600.0 (nA))

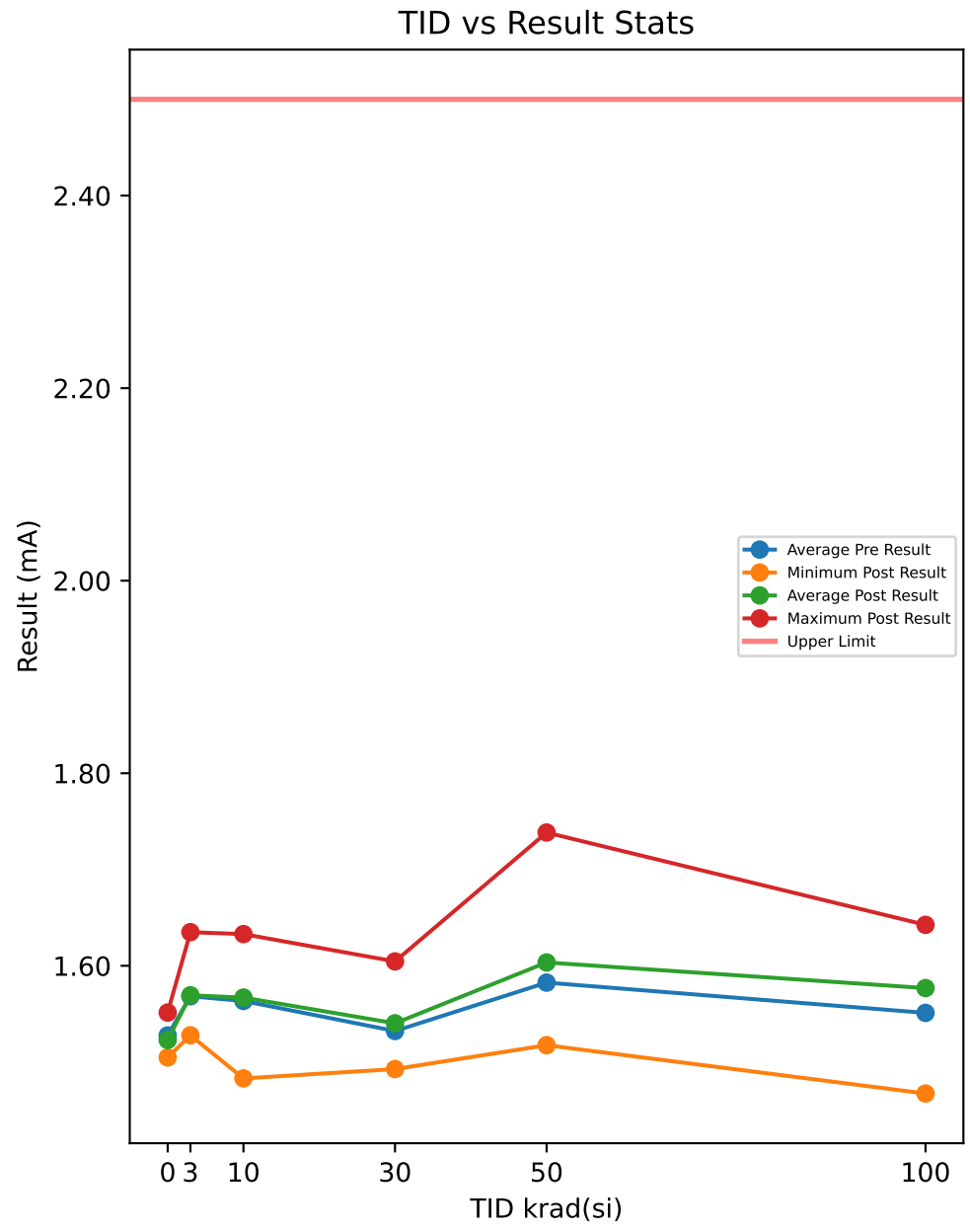
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.9222	0.2768	-0.6454
2	3	Biased	0.4832	0.6866	0.2034
3	3	Biased	0.4247	0.5061	0.0814
4	3	Biased	0.6881	0.4914	-0.1967
5	3	Biased	0.6344	0.4036	-0.2308
6	3	Unbiased	0.5125	0.7012	0.1887
7	3	Unbiased	0.6198	0.5792	-0.0406
8	3	Unbiased	0.6539	0.6134	-0.0405
9	3	Unbiased	0.5857	0.6427	0.057
10	3	Unbiased	0.7612	0.6719	-0.0893
11	10	Biased	0.493	0.428	-0.065
12	10	Biased	0.7417	0.711	-0.0307
13	10	Biased	0.5759	0.5841	0.0082
14	10	Biased	0.571	0.5158	-0.0552
15	10	Biased	0.6052	0.6183	0.0131
16	10	Unbiased	0.693	0.6622	-0.0308
17	10	Unbiased	0.5466	0.711	0.1644
18	10	Unbiased	1.0685	1.1354	0.0669
19	10	Unbiased	0.5808	0.467	-0.1138
20	10	Unbiased	0.6783	0.711	0.0327
21	30	Biased	0.4491	0.8183	0.3692
22	30	Biased	0.8051	0.9451	0.14
23	30	Biased	0.6832	0.8719	0.1887
24	30	Biased	1.5953	2.1501	0.5548
25	30	Biased	0.7417	1.3305	0.5888
26	30	Unbiased	0.7661	1.2866	0.5205
27	30	Unbiased	1.21	1.9257	0.7157
28	30	Unbiased	0.5125	1.0817	0.5692
29	30	Unbiased	0.4832	1.3403	0.8571
30	30	Unbiased	0.7027	1.189	0.4863
31	50	Biased	0.693	1.4329	0.7399
32	50	Biased	0.6149	1.3305	0.7156
33	50	Biased	0.7417	1.5061	0.7644
34	50	Biased	0.6978	1.4427	0.7449
35	50	Biased	0.6198	1.5403	0.9205
36	50	Unbiased	0.6588	2.194	1.5352
37	50	Unbiased	0.7271	2.0379	1.3108
38	50	Unbiased	0.61	2.2866	1.6766
39	50	Unbiased	0.5759	1.9061	1.3302
40	50	Unbiased	0.6393	2.2086	1.5693
41	100	Biased	0.7564	5.3795	4.6231
42	100	Biased	0.6198	5.6234	5.0036
43	100	Biased	0.5954	4.877	4.2816
44	100	Biased	0.5027	5.1941	4.6914
45	100	Biased	0.8588	5.2185	4.3597
46	100	Unbiased	0.4979	9.087	8.5891
47	100	Unbiased	0.6539	6.721	6.0671
48	100	Unbiased	0.5027	9.0577	8.555
49	100	Unbiased	0.6442	8.1943	7.5501
50	100	Unbiased	0.7564	8.6528	7.8964
51	0	Correlation	0.5905	0.6085	0.018
52	0	Correlation	0.3906	0.5695	0.1789
53	0	Correlation	0.5076	0.5402	0.0326
54	0	Correlation	0.8588	0.6768	-0.182
55	0	Correlation	0.6539	0.7305	0.0766

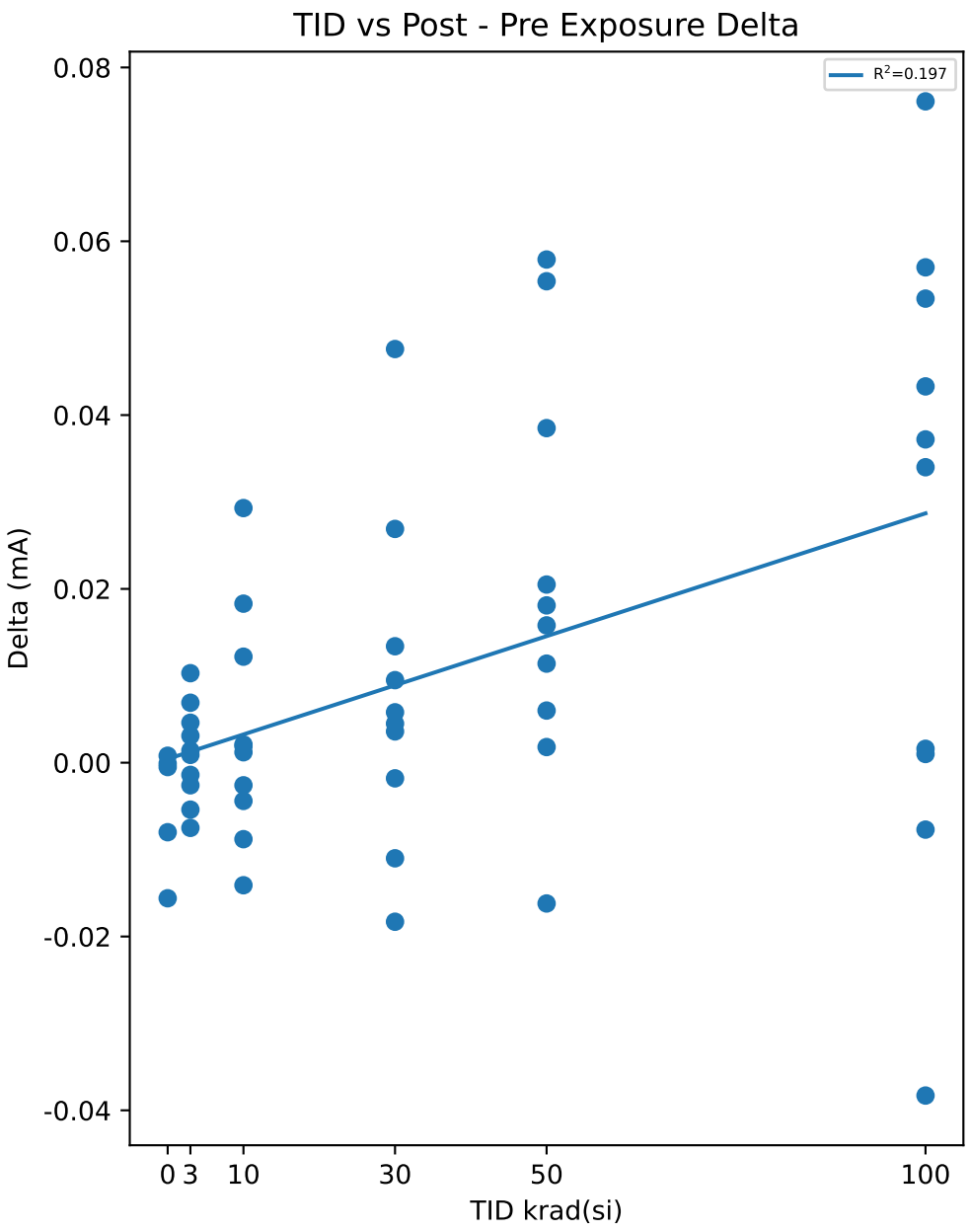


Test Statistics (nA)

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	0.3906	0.60028	0.8588	0.1749	0.5402	0.6251	0.7305	0.078034	-0.182	0.02482	0.1789	0.13163
3	0.4247	0.62857	0.9222	0.1438	0.2768	0.55729	0.7012	0.13774	-0.6454	-0.07128	0.2034	0.24851
10	0.493	0.6554	1.0685	0.16322	0.428	0.65438	1.1354	0.19801	-0.1138	-0.00102	0.1644	0.078113
30	0.4491	0.79489	1.5953	0.35499	0.8183	1.2939	2.1501	0.43688	0.14	0.49903	0.8571	0.21958
50	0.5759	0.65783	0.7417	0.055077	1.3305	1.7886	2.2866	0.37449	0.7156	1.1307	1.6766	0.39136
100	0.4979	0.63882	0.8588	0.12268	4.877	6.8005	9.087	1.7604	4.2816	6.1617	8.5891	1.8018

Device Test: 6.6; IQ





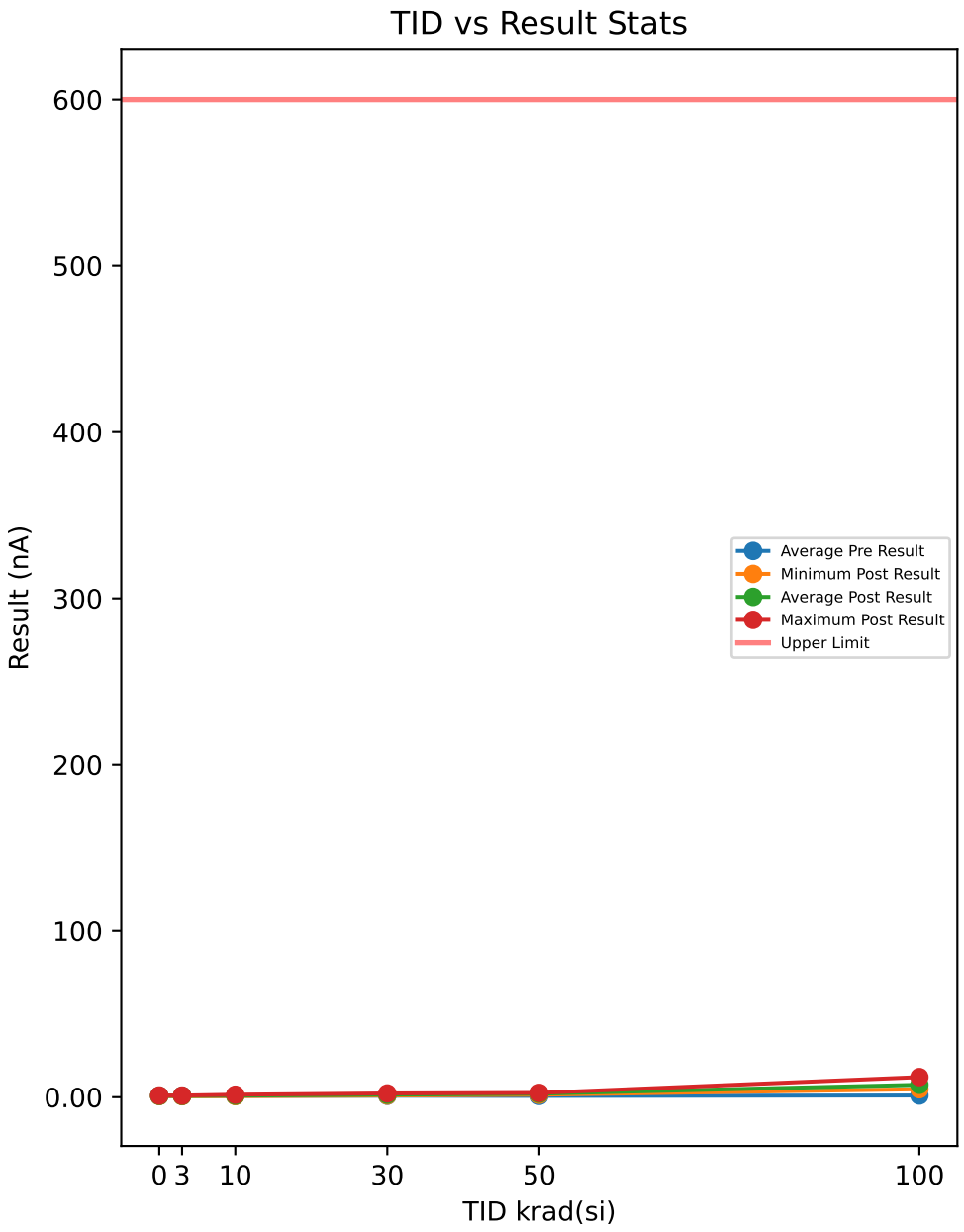
Test Results (Upper Limit = 2.5 (mA))

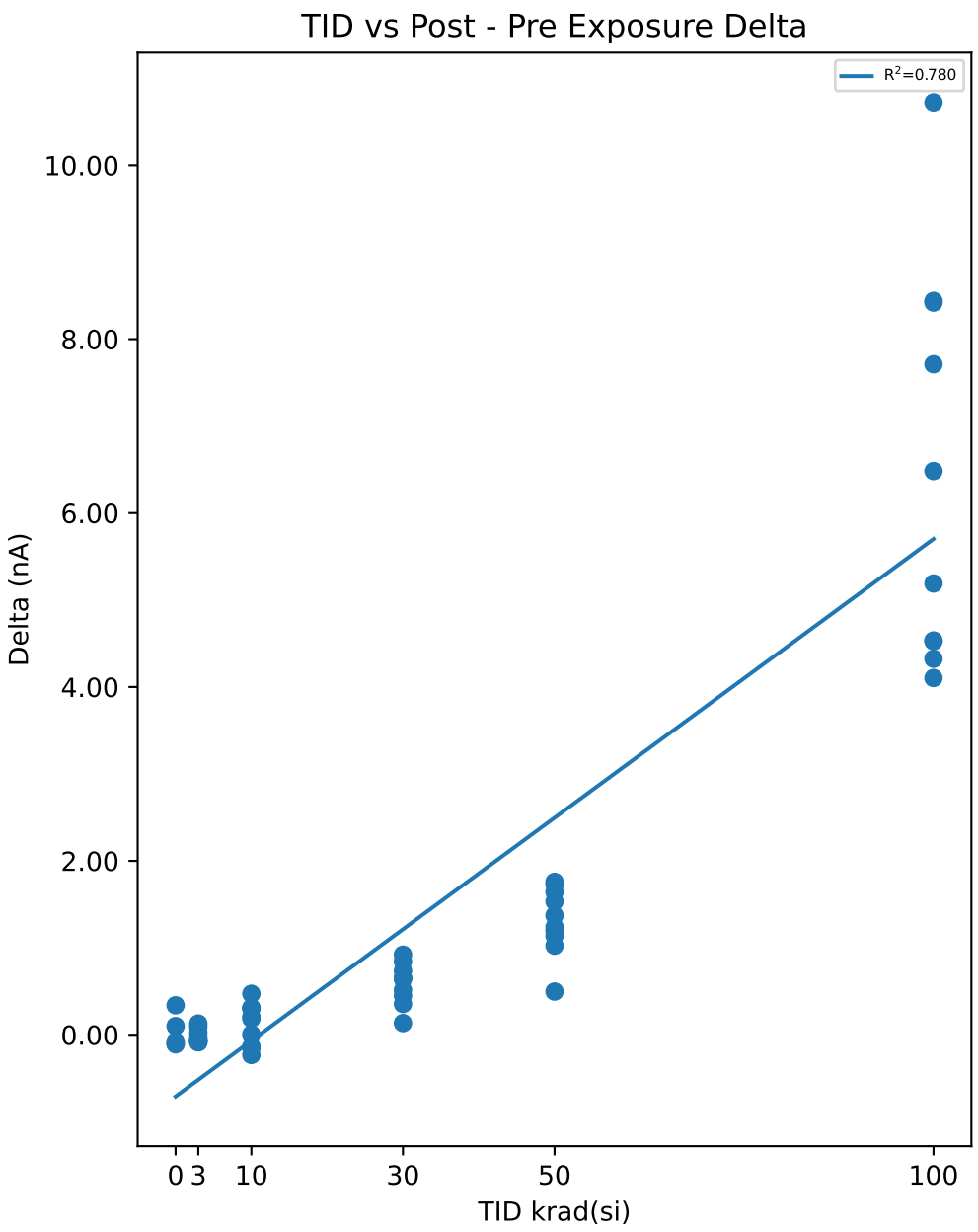
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.5423	1.5469	0.0046
2	3	Biased	1.5312	1.5326	0.0014
3	3	Biased	1.5443	1.5512	0.0069
4	3	Biased	1.6091	1.6016	-0.0075
5	3	Biased	1.6318	1.6349	0.0031
6	3	Unbiased	1.5304	1.5278	-0.0026
7	3	Unbiased	1.537	1.5379	0.0009
8	3	Unbiased	1.6099	1.6045	-0.0054
9	3	Unbiased	1.5726	1.5712	-0.0014
10	3	Unbiased	1.5742	1.5845	0.0103
11	10	Biased	1.5901	1.6084	0.0183
12	10	Biased	1.5182	1.5475	0.0293
13	10	Biased	1.5666	1.5685	0.0019
14	10	Biased	1.5302	1.5258	-0.0044
15	10	Biased	1.6155	1.6014	-0.0141
16	10	Unbiased	1.6075	1.6049	-0.0026
17	10	Unbiased	1.5567	1.5479	-0.0088
18	10	Unbiased	1.5471	1.5492	0.0021
19	10	Unbiased	1.6317	1.6329	0.0012
20	10	Unbiased	1.4708	1.483	0.0122
21	30	Biased	1.5549	1.5594	0.0045
22	30	Biased	1.5075	1.5133	0.0058
23	30	Biased	1.4947	1.5042	0.0095
24	30	Biased	1.5622	1.5891	0.0269
25	30	Biased	1.5224	1.5041	-0.0183
26	30	Unbiased	1.556	1.545	-0.011
27	30	Unbiased	1.5138	1.512	-0.0018
28	30	Unbiased	1.5569	1.6045	0.0476
29	30	Unbiased	1.5746	1.5782	0.0036
30	30	Unbiased	1.4793	1.4927	0.0134
31	50	Biased	1.5948	1.6153	0.0205
32	50	Biased	1.5136	1.569	0.0554
33	50	Biased	1.5982	1.6367	0.0385
34	50	Biased	1.6805	1.7384	0.0579
35	50	Biased	1.5333	1.5351	0.0018
36	50	Unbiased	1.6207	1.6321	0.0114
37	50	Unbiased	1.5347	1.5505	0.0158
38	50	Unbiased	1.5115	1.5175	0.006
39	50	Unbiased	1.5357	1.5195	-0.0162
40	50	Unbiased	1.7021	1.7202	0.0181
41	100	Biased	1.5051	1.5061	0.001
42	100	Biased	1.5336	1.6097	0.0761
43	100	Biased	1.5056	1.4673	-0.0383
44	100	Biased	1.5643	1.6015	0.0372
45	100	Biased	1.5629	1.6163	0.0534
46	100	Unbiased	1.4927	1.5497	0.057
47	100	Unbiased	1.5339	1.5679	0.034
48	100	Unbiased	1.5992	1.6425	0.0433
49	100	Unbiased	1.6044	1.606	0.0016
50	100	Unbiased	1.6089	1.6012	-0.0077
51	0	Correlation	1.5515	1.5514	-0.0001
52	0	Correlation	1.5128	1.5048	-0.008
53	0	Correlation	1.5236	1.5231	-0.0005
54	0	Correlation	1.5313	1.5157	-0.0156
55	0	Correlation	1.5188	1.5196	0.0008

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	1.5128	1.5276	1.5515	0.014978	1.5048	1.5229	1.5514	0.017339	-0.0156	-0.00468	0.0008	0.0070489
3	1.5304	1.5683	1.6318	0.037305	1.5278	1.5693	1.6349	0.036063	-0.0075	0.00103	0.0103	0.0054849
10	1.4708	1.5634	1.6317	0.049529	1.483	1.5669	1.6329	0.045331	-0.0141	0.00351	0.0293	0.013042
30	1.4793	1.5322	1.5746	0.032726	1.4927	1.5402	1.6045	0.040464	-0.0183	0.00802	0.0476	0.018684
50	1.5115	1.5825	1.7021	0.068677	1.5175	1.6034	1.7384	0.079587	-0.0162	0.02092	0.0579	0.023467
100	1.4927	1.5511	1.6089	0.043471	1.4673	1.5768	1.6425	0.054589	-0.0383	0.02576	0.0761	0.035277

Device Test: 6.62; PWRGD_ILKG_OD





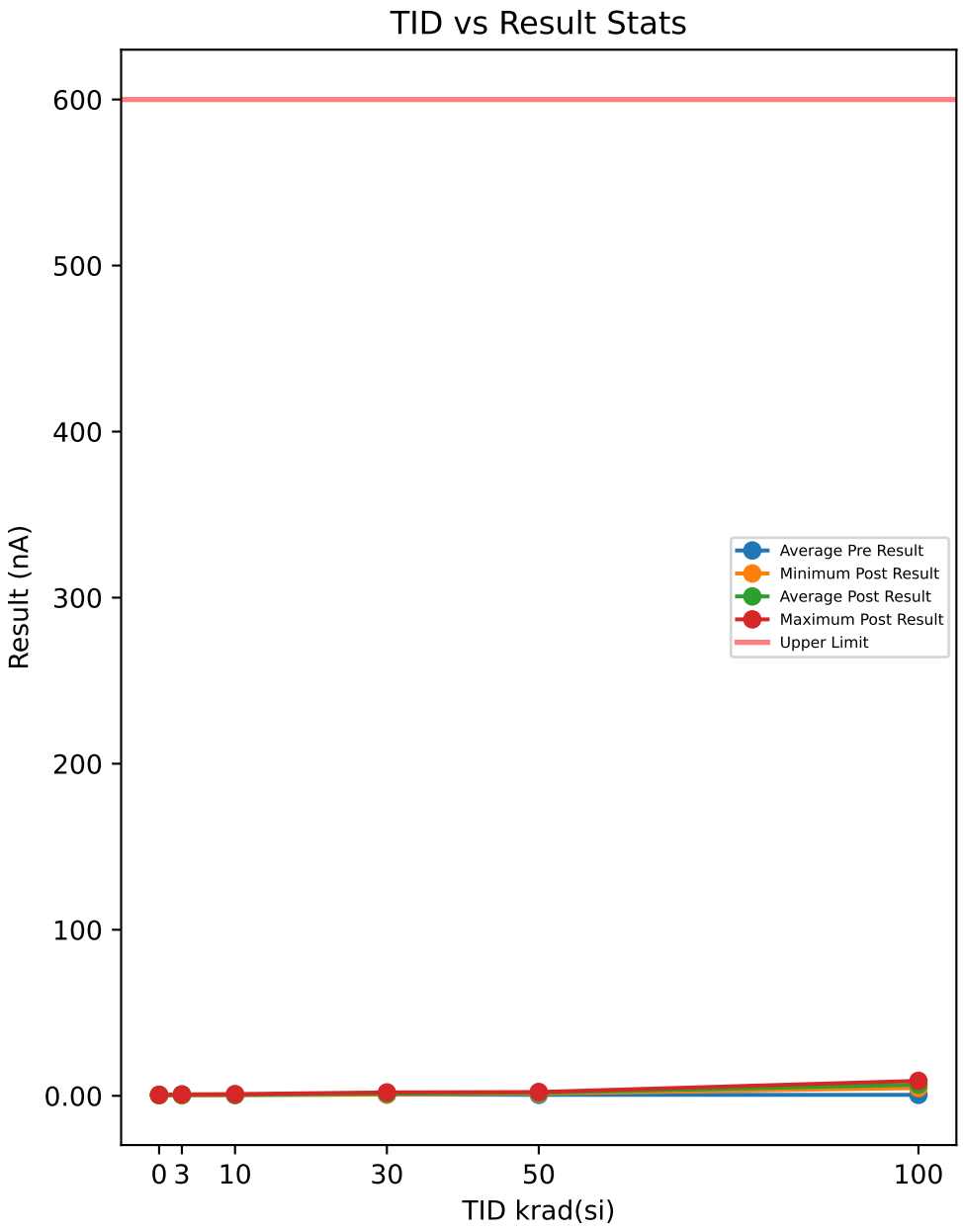
Test Results (Upper Limit = 600.0 (nA))

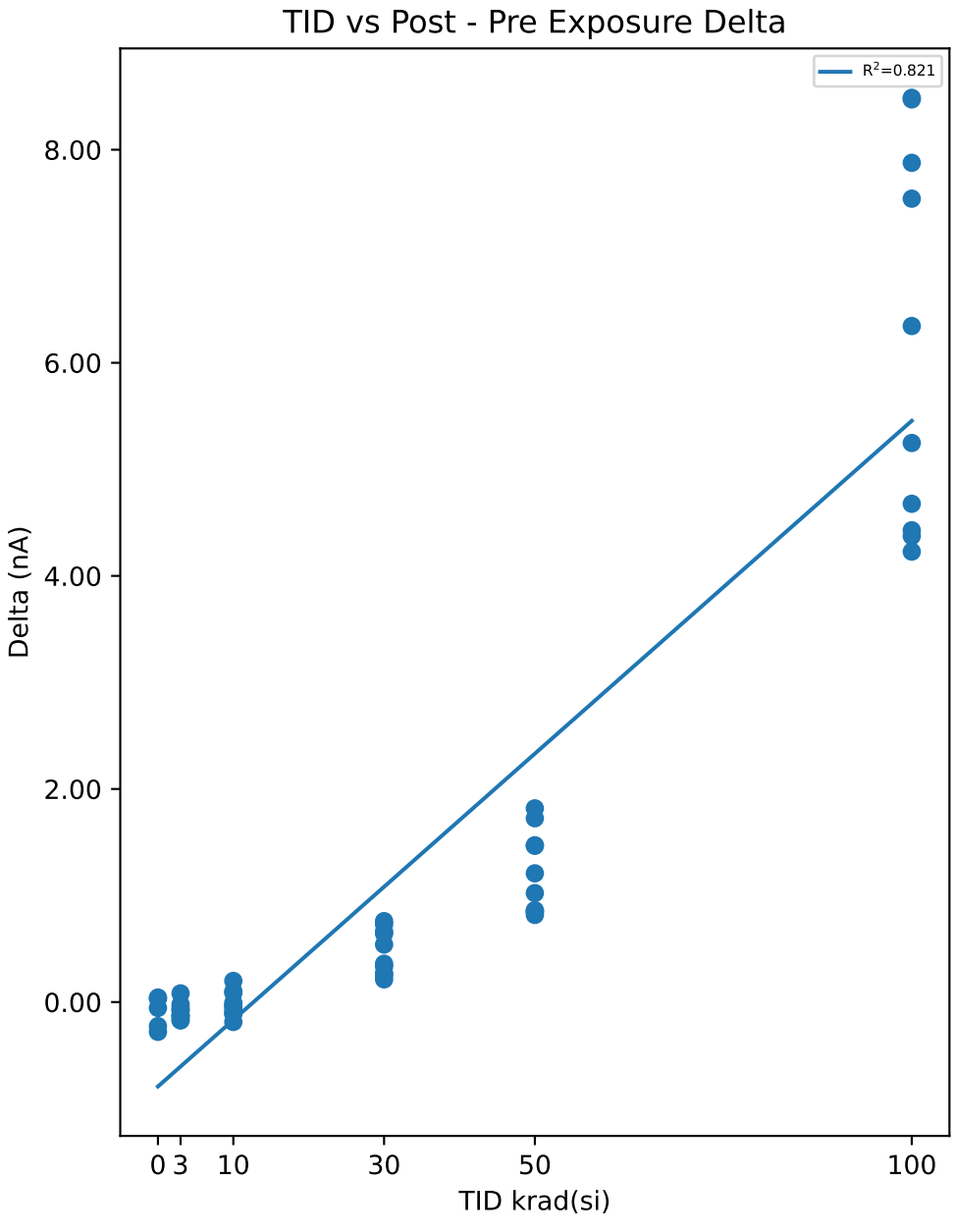
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.8279	0.8008	-0.0271
2	3	Biased	0.8425	0.9329	0.0904
3	3	Biased	0.7059	0.649	-0.0569
4	3	Biased	0.8522	0.8742	0.022
5	3	Biased	0.7206	0.6343	-0.0863
6	3	Unbiased	0.901	0.835	-0.066
7	3	Unbiased	0.6816	0.6099	-0.0717
8	3	Unbiased	0.8279	0.9574	0.1295
9	3	Unbiased	0.901	0.8154	-0.0856
10	3	Unbiased	0.8961	0.835	-0.0611
11	10	Biased	0.784	0.649	-0.135
12	10	Biased	0.8376	0.6833	-0.1543
13	10	Biased	0.9303	0.698	-0.2323
14	10	Biased	0.6913	0.9916	0.3003
15	10	Biased	1.2911	1.4762	0.1851
16	10	Unbiased	0.8717	1.1776	0.3059
17	10	Unbiased	0.7254	1.0357	0.3103
18	10	Unbiased	0.7254	0.9329	0.2075
19	10	Unbiased	0.7547	1.2266	0.4719
20	10	Unbiased	0.6669	0.6735	0.0066
21	30	Biased	0.7206	1.3783	0.6577
22	30	Biased	0.7401	1.0944	0.3543
23	30	Biased	1.018	1.4664	0.4484
24	30	Biased	0.7693	1.2853	0.516
25	30	Biased	0.8571	0.9916	0.1345
26	30	Unbiased	0.7206	1.5643	0.8437
27	30	Unbiased	0.8425	1.579	0.7365
28	30	Unbiased	0.5694	1.4909	0.9215
29	30	Unbiased	0.9936	1.6426	0.649
30	30	Unbiased	1.5934	2.2348	0.6414
31	50	Biased	0.9741	1.4713	0.4972
32	50	Biased	0.6767	1.8139	1.1372
33	50	Biased	0.7645	1.9607	1.1962
34	50	Biased	0.7693	2.1418	1.3725
35	50	Biased	0.7108	1.7356	1.0248
36	50	Unbiased	0.8181	2.5432	1.7251
37	50	Unbiased	0.8132	2.3474	1.5342
38	50	Unbiased	0.7693	2.5285	1.7592
39	50	Unbiased	0.6328	1.8726	1.2398
40	50	Unbiased	0.8717	2.5138	1.6421
41	100	Biased	0.8425	5.1666	4.3241
42	100	Biased	0.7206	5.9106	5.19
43	100	Biased	0.6767	4.7799	4.1032
44	100	Biased	0.8132	5.3477	4.5345
45	100	Biased	2.4907	7.0167	4.526
46	100	Unbiased	0.7011	9.1409	8.4398
47	100	Unbiased	0.8766	7.3593	6.4827
48	100	Unbiased	0.7742	9.1947	8.4205
49	100	Unbiased	0.7547	8.4655	7.7108
50	100	Unbiased	1.3447	12.068	10.723
51	0	Correlation	0.7791	0.6784	-0.1007
52	0	Correlation	0.8864	0.7763	-0.1101
53	0	Correlation	0.784	0.884	0.1
54	0	Correlation	0.6621	1.0014	0.3393
55	0	Correlation	0.8522	0.7763	-0.0759

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	0.6621	0.79276	0.8864	0.086077	0.6784	0.82328	1.0014	0.12331	-0.1101	0.03052	0.3393	0.19267
3	0.6816	0.81567	0.901	0.083298	0.6099	0.79439	0.9574	0.12325	-0.0863	-0.02128	0.1295	0.076649
10	0.6669	0.82784	1.2911	0.18255	0.649	0.95444	1.4762	0.28207	-0.2323	0.1266	0.4719	0.2394
30	0.5694	0.88246	1.5934	0.28321	0.9916	1.4728	2.2348	0.34129	0.1345	0.5903	0.9215	0.23452
50	0.6328	0.78005	0.9741	0.097885	1.4713	2.0929	2.5432	0.37929	0.4972	1.3128	1.7592	0.38416
100	0.6767	0.9995	2.4907	0.55768	4.7799	7.445	12.068	2.2994	4.1032	6.4455	10.723	2.2774

Device Test: 6.63; WDO_ILKG_OD





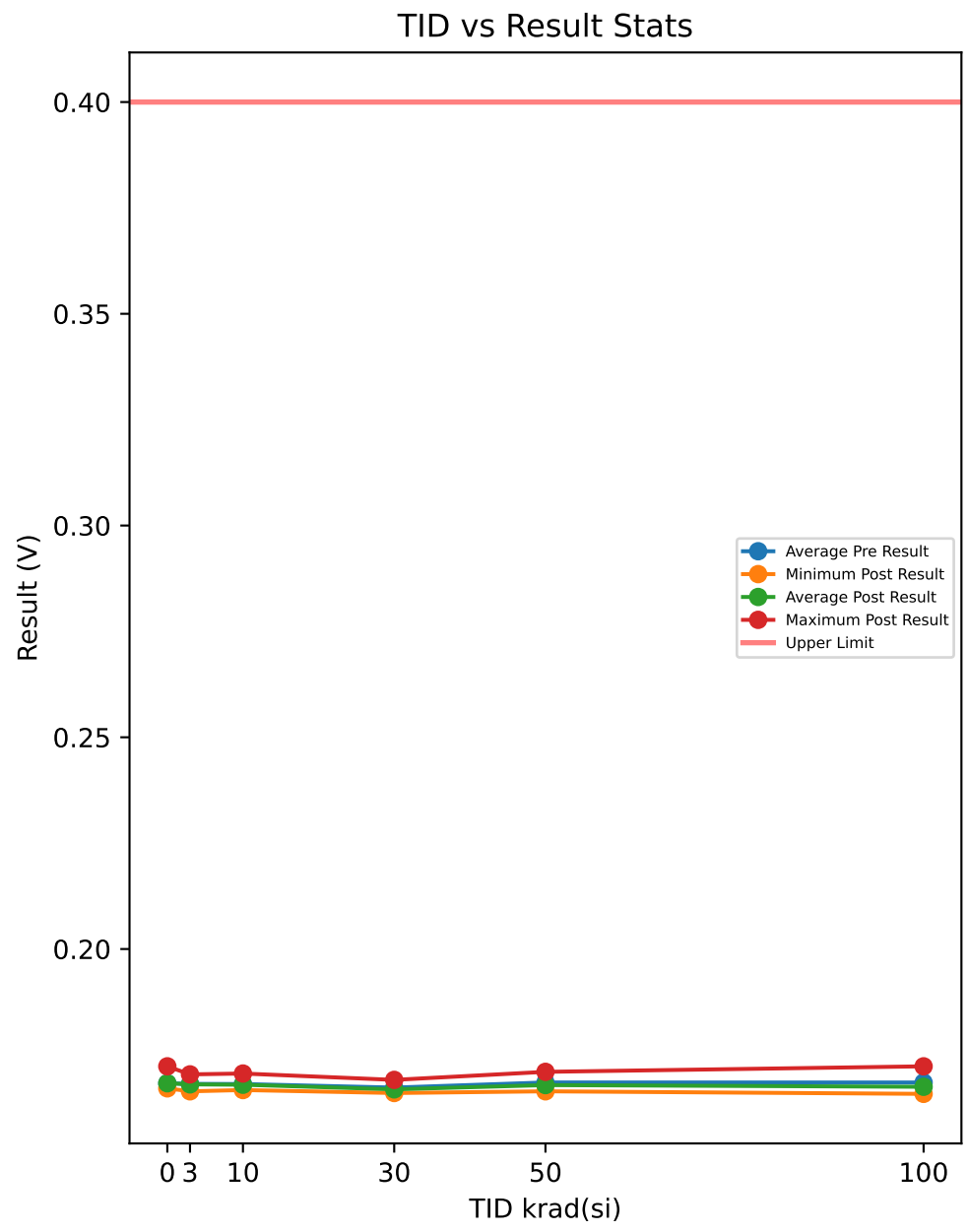
Test Results (Upper Limit = 600.0 (nA))

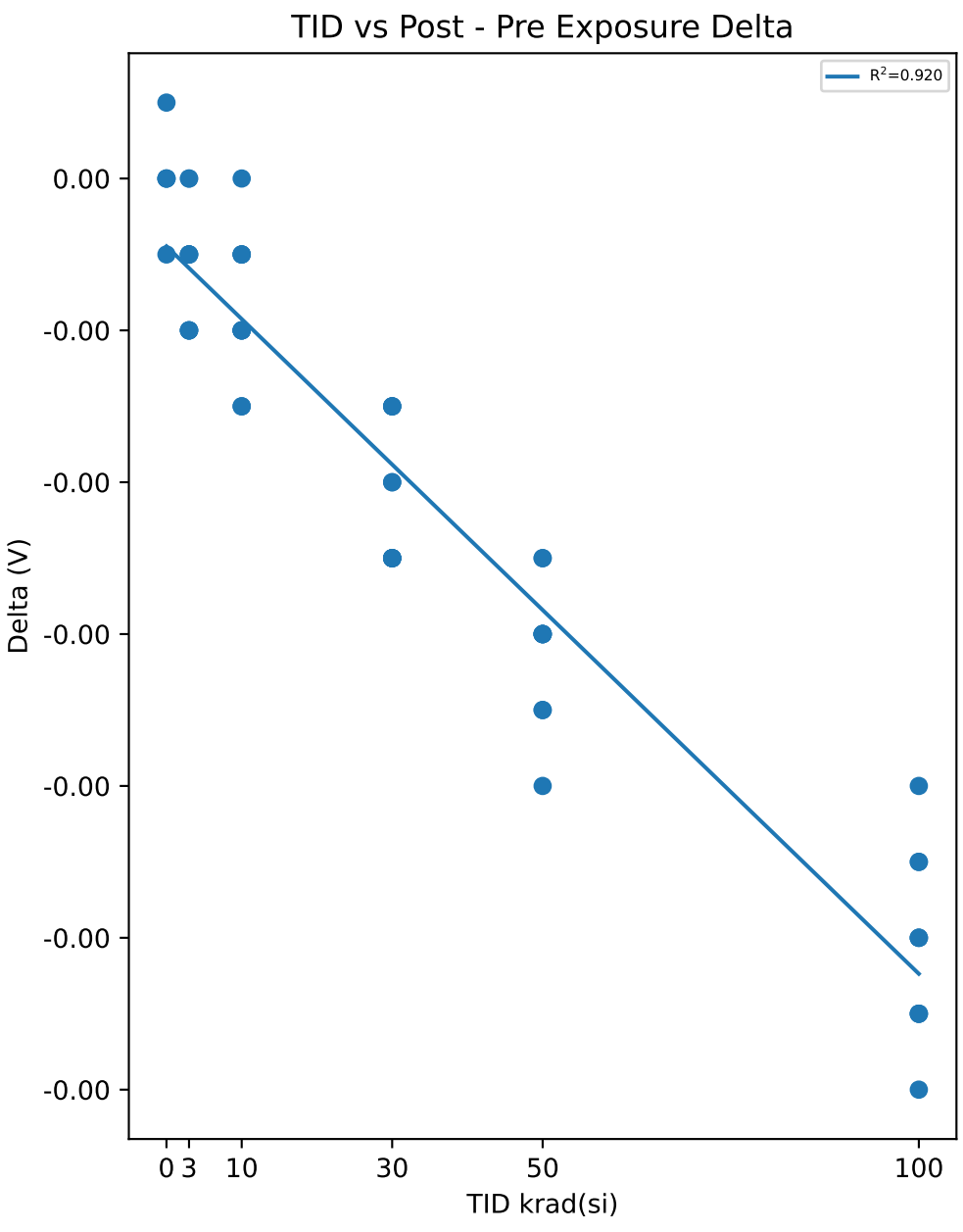
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.8734	0.8524	-0.021
2	3	Biased	0.6198	0.4914	-0.1284
3	3	Biased	0.4003	0.35	-0.0503
4	3	Biased	0.493	0.5744	0.0814
5	3	Biased	0.5613	0.3939	-0.1674
6	3	Unbiased	0.6588	0.5792	-0.0796
7	3	Unbiased	0.5759	0.4475	-0.1284
8	3	Unbiased	0.4345	0.3597	-0.0748
9	3	Unbiased	0.6198	0.4475	-0.1723
10	3	Unbiased	1.0002	0.8671	-0.1331
11	10	Biased	0.4198	0.4134	-0.0064
12	10	Biased	0.6539	0.5402	-0.1137
13	10	Biased	0.6832	0.4963	-0.1869
14	10	Biased	0.6344	0.5597	-0.0747
15	10	Biased	0.5515	0.5207	-0.0308
16	10	Unbiased	0.4735	0.5597	0.0862
17	10	Unbiased	0.4979	0.6963	0.1984
18	10	Unbiased	0.9368	1.0378	0.101
19	10	Unbiased	0.6539	0.55	-0.1039
20	10	Unbiased	0.7856	0.7451	-0.0405
21	30	Biased	0.532	0.7451	0.2131
22	30	Biased	0.771	1.1061	0.3351
23	30	Biased	0.5954	0.8671	0.2717
24	30	Biased	1.7953	2.0476	0.2523
25	30	Biased	0.8051	1.1646	0.3595
26	30	Unbiased	0.7173	1.3793	0.662
27	30	Unbiased	1.1027	1.833	0.7303
28	30	Unbiased	0.5515	1.0915	0.54
29	30	Unbiased	0.4686	1.2281	0.7595
30	30	Unbiased	0.5808	1.2232	0.6424
31	50	Biased	0.6149	1.4329	0.818
32	50	Biased	0.5027	1.35	0.8473
33	50	Biased	0.7905	1.6525	0.862
34	50	Biased	0.6247	1.4768	0.8521
35	50	Biased	0.6442	1.6671	1.0229
36	50	Unbiased	0.5564	2.2818	1.7254
37	50	Unbiased	0.8588	2.0671	1.2083
38	50	Unbiased	0.4735	2.2915	1.818
39	50	Unbiased	0.4491	1.9208	1.4717
40	50	Unbiased	0.5808	2.0476	1.4668
41	100	Biased	0.7466	5.1746	4.428
42	100	Biased	0.4247	5.6722	5.2475
43	100	Biased	0.4345	4.6624	4.2279
44	100	Biased	0.5661	5.2429	4.6768
45	100	Biased	0.8686	5.2429	4.3743
46	100	Unbiased	0.5222	9.009	8.4868
47	100	Unbiased	0.4149	6.7601	6.3452
48	100	Unbiased	0.5027	8.9748	8.4721
49	100	Unbiased	0.6003	8.1406	7.5403
50	100	Unbiased	0.6149	8.4919	7.877
51	0	Correlation	0.4345	0.467	0.0325
52	0	Correlation	0.4345	0.4768	0.0423
53	0	Correlation	0.6052	0.3256	-0.2796
54	0	Correlation	0.6491	0.5939	-0.0552
55	0	Correlation	0.6003	0.3743	-0.226

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	0.4345	0.54472	0.6491	0.1024	0.3256	0.44752	0.5939	0.10355	-0.2796	-0.0972	0.0423	0.14824
3	0.4003	0.6237	1.0002	0.18688	0.35	0.53631	0.8671	0.18756	-0.1723	-0.08739	0.0814	0.077141
10	0.4198	0.62905	0.9368	0.15442	0.4134	0.61192	1.0378	0.17694	-0.1869	-0.01713	0.1984	0.11591
30	0.4686	0.79197	1.7953	0.39758	0.7451	1.2686	2.0476	0.40072	0.2131	0.47659	0.7595	0.21233
50	0.4491	0.60956	0.8588	0.13151	1.35	1.8188	2.2915	0.34937	0.818	1.2092	1.818	0.38574
100	0.4149	0.56955	0.8686	0.14668	4.6624	6.7371	9.009	1.75	4.2279	6.1676	8.4868	1.7827

Device Test: 6.64; VOL_RESET_2MA_OD





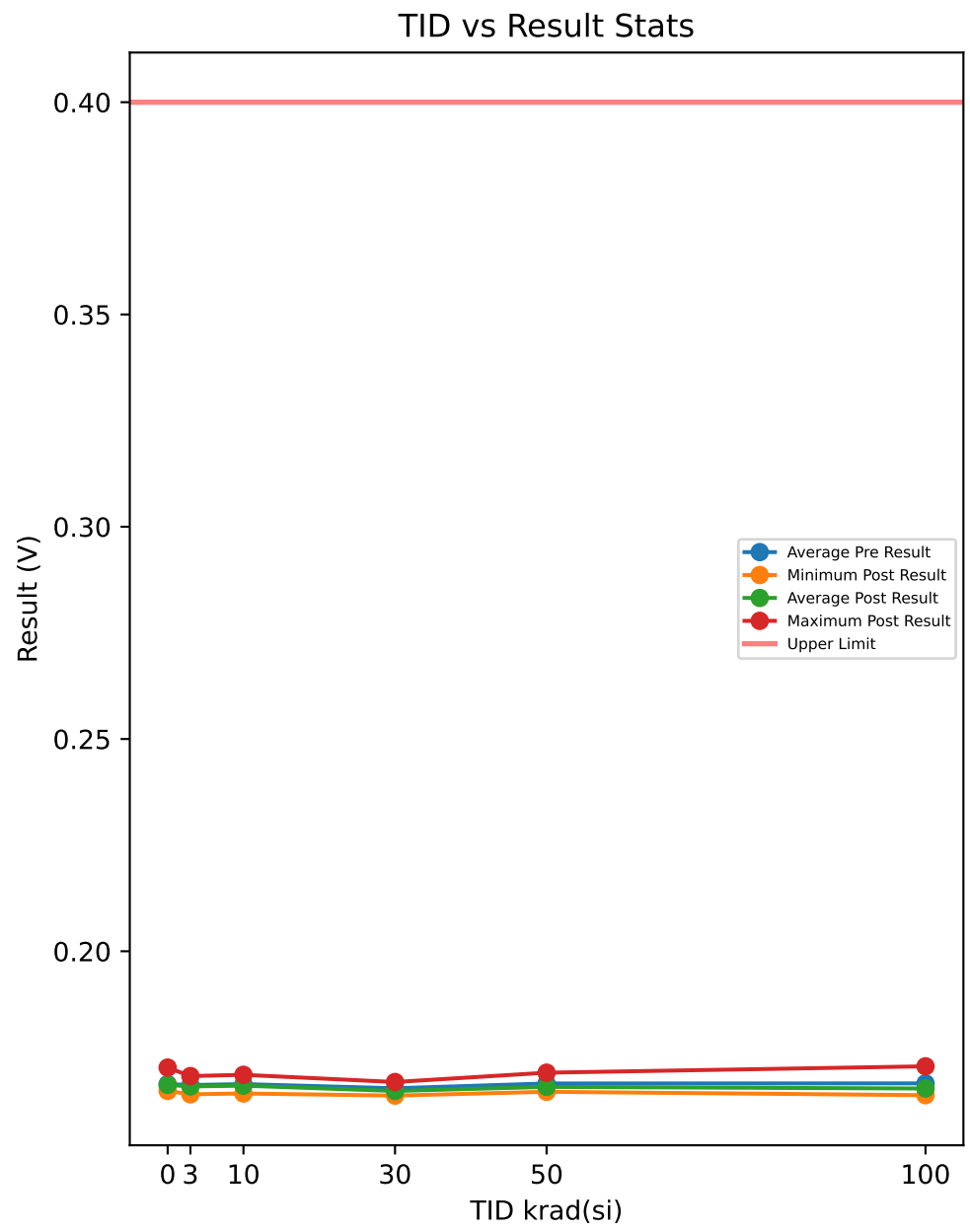
Test Results (Upper Limit = 0.4 (V))

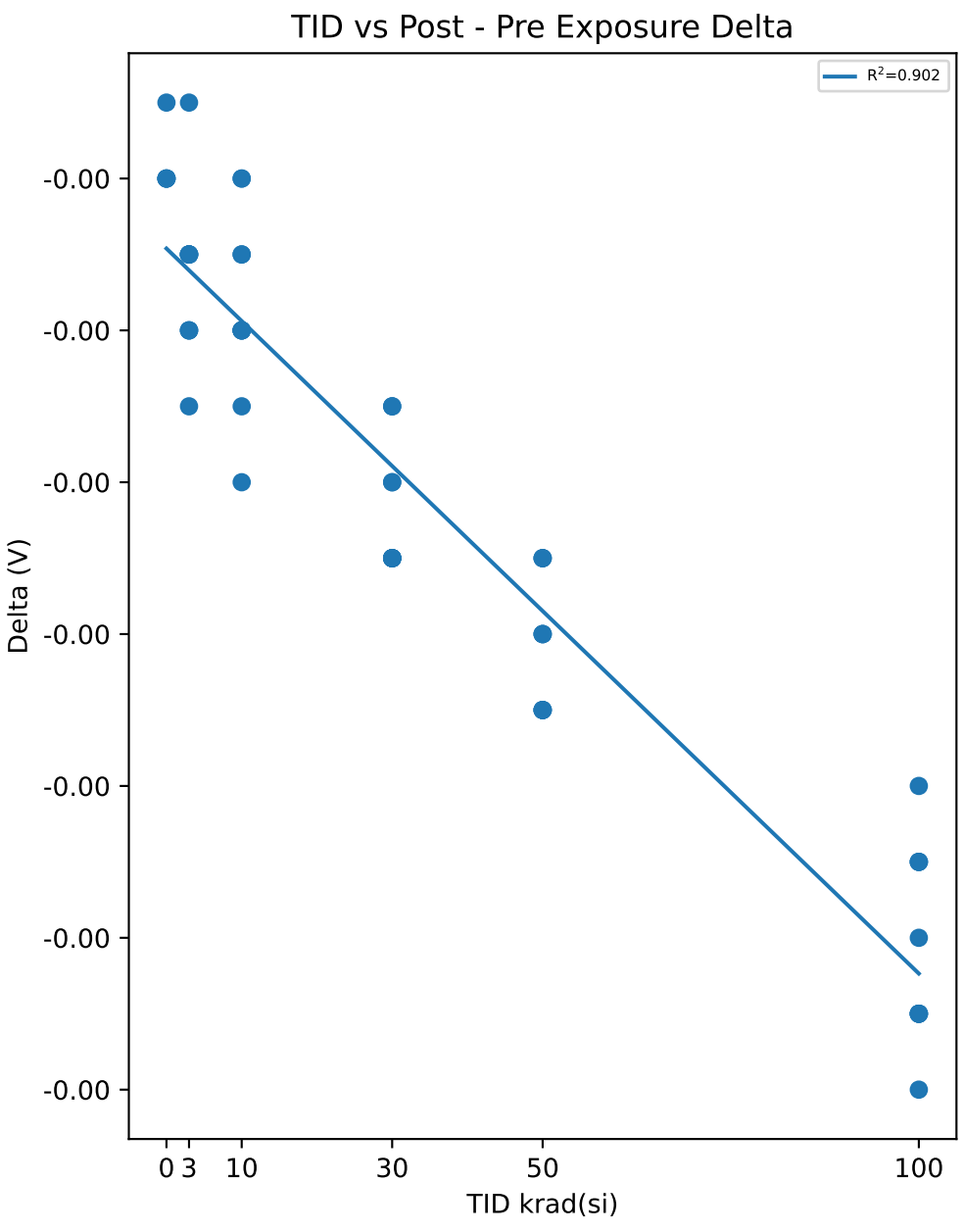
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.167	0.1668	-0.0002
2	3	Biased	0.1695	0.1693	-0.0002
3	3	Biased	0.1693	0.1691	-0.0002
4	3	Biased	0.1683	0.1682	-0.0001
5	3	Biased	0.1665	0.1664	-0.0001
6	3	Unbiased	0.1672	0.1671	-0.0001
7	3	Unbiased	0.1704	0.1704	0
8	3	Unbiased	0.1668	0.1668	0
9	3	Unbiased	0.1682	0.1681	-0.0001
10	3	Unbiased	0.1684	0.1682	-0.0002
11	10	Biased	0.1671	0.1668	-0.0003
12	10	Biased	0.1669	0.1667	-0.0002
13	10	Biased	0.1677	0.1675	-0.0002
14	10	Biased	0.1671	0.1668	-0.0003
15	10	Biased	0.1676	0.1674	-0.0002
16	10	Unbiased	0.1685	0.1684	-0.0001
17	10	Unbiased	0.1707	0.1706	-0.0001
18	10	Unbiased	0.1691	0.169	-0.0001
19	10	Unbiased	0.1675	0.1673	-0.0002
20	10	Unbiased	0.169	0.169	0
21	30	Biased	0.1668	0.1665	-0.0003
22	30	Biased	0.1666	0.1663	-0.0003
23	30	Biased	0.1696	0.1691	-0.0005
24	30	Biased	0.1677	0.1672	-0.0005
25	30	Biased	0.1666	0.1662	-0.0004
26	30	Unbiased	0.1675	0.1671	-0.0004
27	30	Unbiased	0.1674	0.1669	-0.0005
28	30	Unbiased	0.1663	0.166	-0.0003
29	30	Unbiased	0.1677	0.1672	-0.0005
30	30	Unbiased	0.1666	0.1661	-0.0005
31	50	Biased	0.1705	0.17	-0.0005
32	50	Biased	0.1672	0.1667	-0.0005
33	50	Biased	0.168	0.1673	-0.0007
34	50	Biased	0.1716	0.171	-0.0006
35	50	Biased	0.1692	0.1686	-0.0006
36	50	Unbiased	0.1679	0.1673	-0.0006
37	50	Unbiased	0.1679	0.1672	-0.0007
38	50	Unbiased	0.1673	0.1667	-0.0006
39	50	Unbiased	0.1672	0.1664	-0.0008
40	50	Unbiased	0.1681	0.1675	-0.0006
41	100	Biased	0.1673	0.1663	-0.001
42	100	Biased	0.1669	0.1658	-0.0011
43	100	Biased	0.1681	0.1672	-0.0009
44	100	Biased	0.1685	0.1675	-0.001
45	100	Biased	0.1673	0.1663	-0.001
46	100	Unbiased	0.1692	0.168	-0.0012
47	100	Unbiased	0.1734	0.1723	-0.0011
48	100	Unbiased	0.17	0.1689	-0.0011
49	100	Unbiased	0.1667	0.1658	-0.0009
50	100	Unbiased	0.1674	0.1666	-0.0008
51	0	Correlation	0.1671	0.1672	0.0001
52	0	Correlation	0.1723	0.1723	0
53	0	Correlation	0.1675	0.1675	0
54	0	Correlation	0.1671	0.1671	0
55	0	Correlation	0.1675	0.1674	-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	0.1671	0.1683	0.1723	0.002245	0.1671	0.1683	0.1723	0.0022417	-0.0001	-5.5511e-18	0.0001	7.0711e-05
3	0.1665	0.16816	0.1704	0.0012937	0.1664	0.16804	0.1704	0.0012903	-0.0002	-0.00012	0	7.8881e-05
10	0.1669	0.16812	0.1707	0.0011989	0.1667	0.16795	0.1706	0.0012721	-0.0003	-0.00017	0	9.4868e-05
30	0.1663	0.16728	0.1696	0.00096471	0.166	0.16686	0.1691	0.00091311	-0.0005	-0.00042	-0.0003	9.1894e-05
50	0.1672	0.16849	0.1716	0.0014925	0.1664	0.16787	0.171	0.0015276	-0.0008	-0.00062	-0.0005	9.1894e-05
100	0.1667	0.16848	0.1734	0.002022	0.1658	0.16747	0.1723	0.0019664	-0.0012	-0.00101	-0.0008	0.00011972

Device Test: 6.65; VOL_RESET_2MA_OD





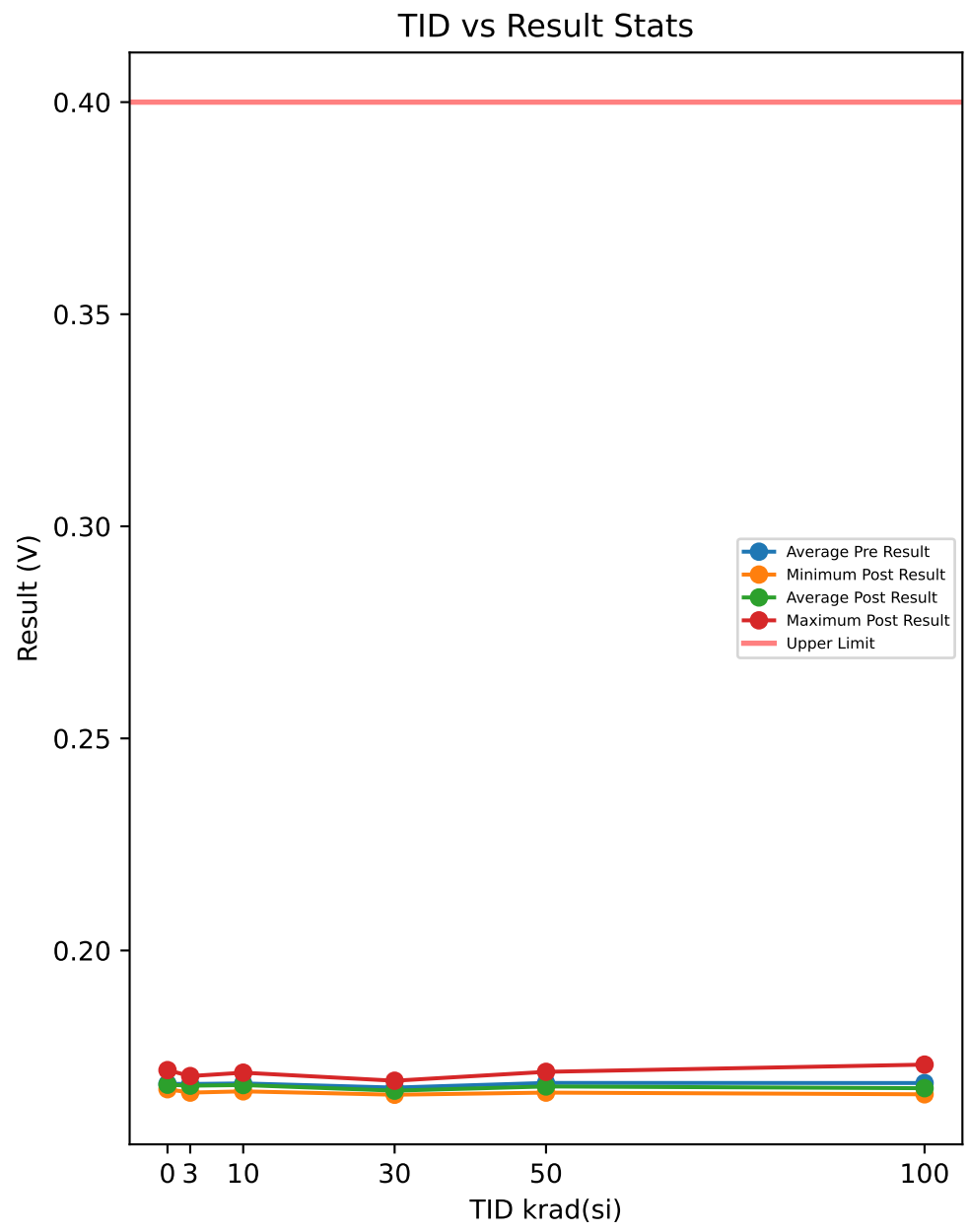
Test Results (Upper Limit = 0.4 (V))

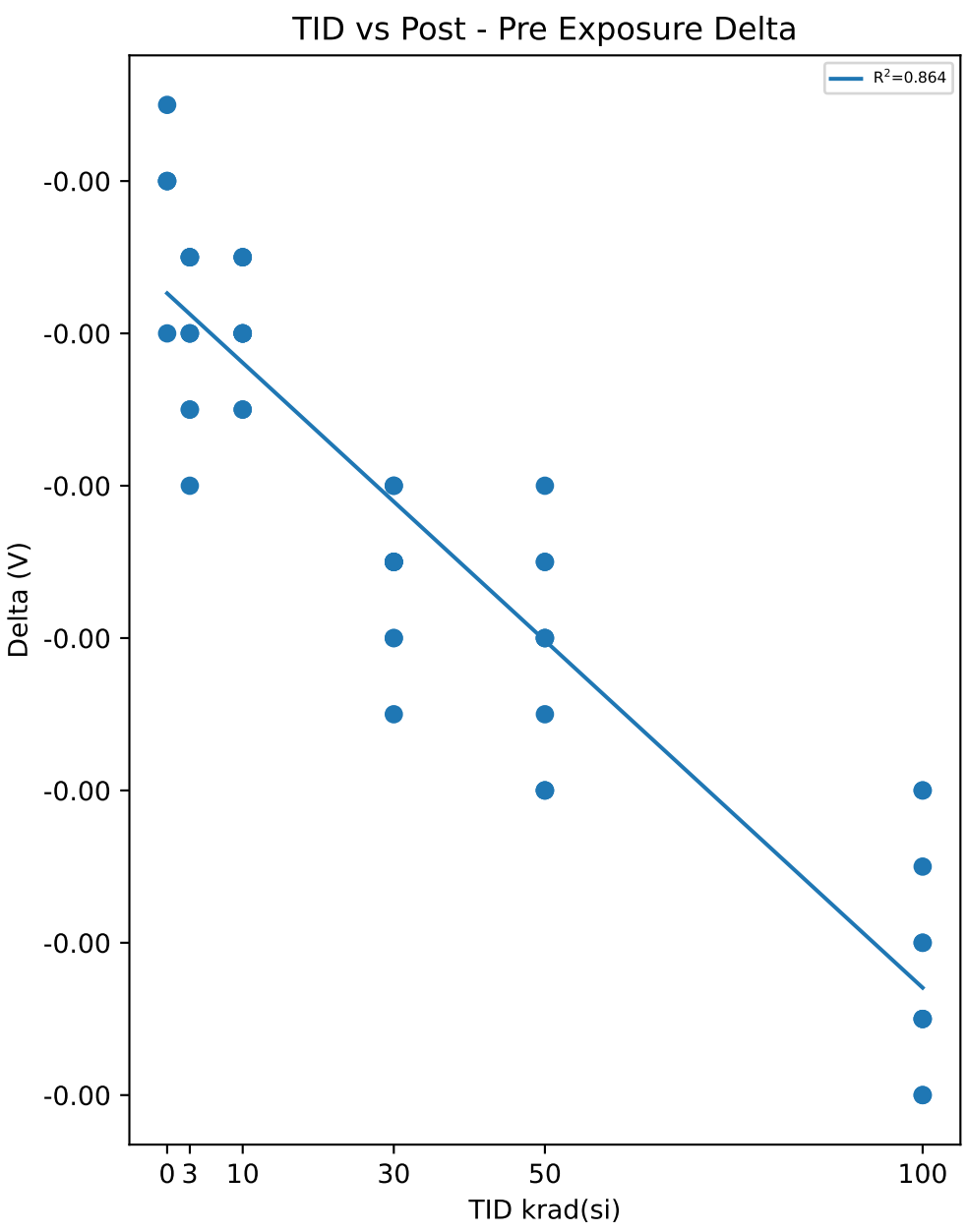
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.1671	0.1666	-0.0005
2	3	Biased	0.169	0.1686	-0.0004
3	3	Biased	0.1698	0.1694	-0.0004
4	3	Biased	0.1692	0.1689	-0.0003
5	3	Biased	0.1667	0.1663	-0.0004
6	3	Unbiased	0.1676	0.1675	-0.0001
7	3	Unbiased	0.1709	0.1706	-0.0003
8	3	Unbiased	0.1677	0.1674	-0.0003
9	3	Unbiased	0.1679	0.1676	-0.0003
10	3	Unbiased	0.169	0.1687	-0.0003
11	10	Biased	0.1677	0.1673	-0.0004
12	10	Biased	0.1669	0.1665	-0.0004
13	10	Biased	0.1687	0.1683	-0.0004
14	10	Biased	0.1677	0.1671	-0.0006
15	10	Biased	0.1682	0.1679	-0.0003
16	10	Unbiased	0.1692	0.1687	-0.0005
17	10	Unbiased	0.1711	0.1709	-0.0002
18	10	Unbiased	0.1699	0.1696	-0.0003
19	10	Unbiased	0.1681	0.1679	-0.0002
20	10	Unbiased	0.1696	0.1692	-0.0004
21	30	Biased	0.1672	0.1667	-0.0005
22	30	Biased	0.1675	0.1668	-0.0007
23	30	Biased	0.1699	0.1692	-0.0007
24	30	Biased	0.1685	0.1678	-0.0007
25	30	Biased	0.1667	0.166	-0.0007
26	30	Unbiased	0.1679	0.1672	-0.0007
27	30	Unbiased	0.1678	0.1672	-0.0006
28	30	Unbiased	0.167	0.1665	-0.0005
29	30	Unbiased	0.1678	0.1671	-0.0007
30	30	Unbiased	0.167	0.1664	-0.0006
31	50	Biased	0.1705	0.1696	-0.0009
32	50	Biased	0.1681	0.1673	-0.0008
33	50	Biased	0.1681	0.1672	-0.0009
34	50	Biased	0.1721	0.1714	-0.0007
35	50	Biased	0.1697	0.169	-0.0007
36	50	Unbiased	0.1684	0.1676	-0.0008
37	50	Unbiased	0.1682	0.1673	-0.0009
38	50	Unbiased	0.1677	0.1669	-0.0008
39	50	Unbiased	0.1679	0.167	-0.0009
40	50	Unbiased	0.1679	0.1672	-0.0007
41	100	Biased	0.1674	0.1663	-0.0011
42	100	Biased	0.1675	0.1662	-0.0013
43	100	Biased	0.1681	0.167	-0.0011
44	100	Biased	0.1692	0.1679	-0.0013
45	100	Biased	0.1678	0.1665	-0.0013
46	100	Unbiased	0.1693	0.1679	-0.0014
47	100	Unbiased	0.1742	0.1729	-0.0013
48	100	Unbiased	0.1706	0.1694	-0.0012
49	100	Unbiased	0.1671	0.1661	-0.001
50	100	Unbiased	0.1676	0.1665	-0.0011
51	0	Correlation	0.1677	0.1675	-0.0002
52	0	Correlation	0.1727	0.1726	-0.0001
53	0	Correlation	0.1673	0.1671	-0.0002
54	0	Correlation	0.1682	0.168	-0.0002
55	0	Correlation	0.1676	0.1674	-0.0002

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	0.1673	0.1687	0.1727	0.0022594	0.1671	0.16852	0.1726	0.0023037	-0.0002	-0.00018	-0.0001	4.4721e-05
3	0.1667	0.16849	0.1709	0.0013102	0.1663	0.16816	0.1706	0.0013226	-0.0005	-0.00033	-0.0001	0.00010593
10	0.1669	0.16871	0.1711	0.0012521	0.1665	0.16834	0.1709	0.0013083	-0.0006	-0.00037	-0.0002	0.00012517
30	0.1667	0.16773	0.1699	0.00093101	0.166	0.16709	0.1692	0.00089623	-0.0007	-0.00064	-0.0005	8.4327e-05
50	0.1677	0.16886	0.1721	0.0014485	0.1669	0.16805	0.1714	0.0014804	-0.0009	-0.00081	-0.0007	8.756e-05
100	0.1671	0.16888	0.1742	0.0021658	0.1661	0.16767	0.1729	0.0021119	-0.0014	-0.00121	-0.001	0.00012867

Device Test: 6.66; VOL_RESET_2MA_OD





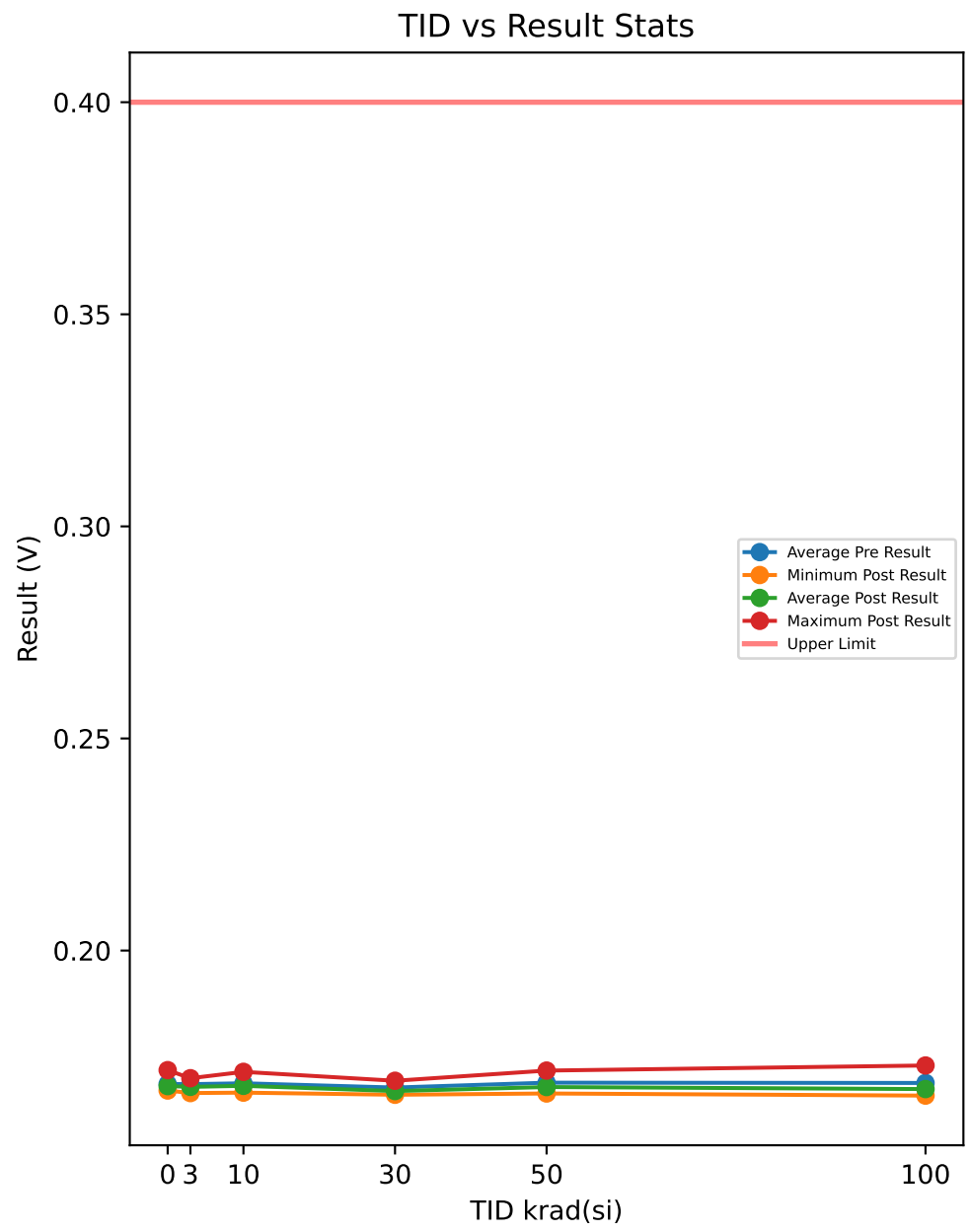
Test Results (Upper Limit = 0.4 (V))

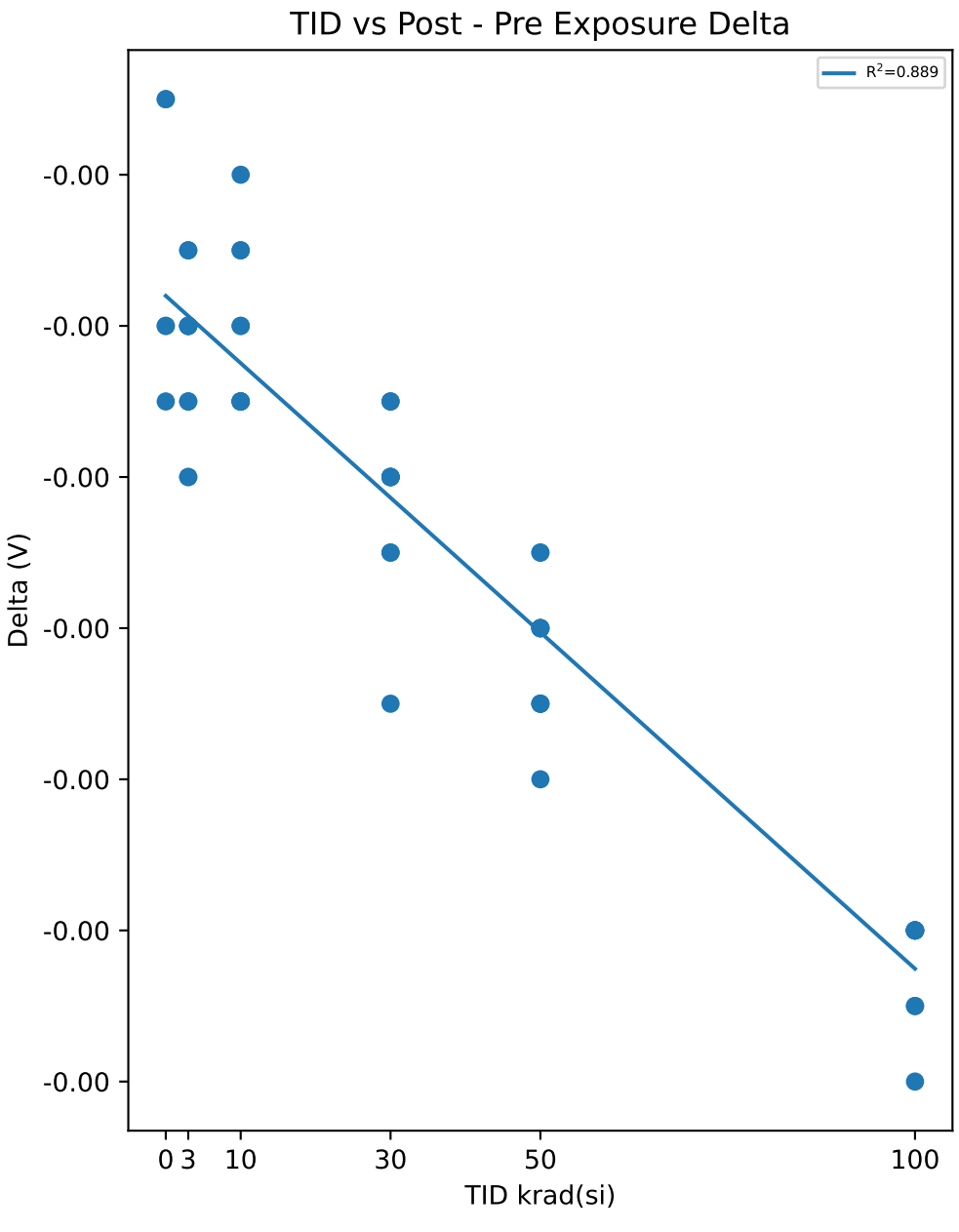
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.167	0.1665	-0.0005
2	3	Biased	0.1689	0.1683	-0.0006
3	3	Biased	0.1697	0.1692	-0.0005
4	3	Biased	0.1688	0.1684	-0.0004
5	3	Biased	0.1674	0.1671	-0.0003
6	3	Unbiased	0.1682	0.1678	-0.0004
7	3	Unbiased	0.1707	0.1704	-0.0003
8	3	Unbiased	0.167	0.1667	-0.0003
9	3	Unbiased	0.1687	0.1684	-0.0003
10	3	Unbiased	0.1689	0.1685	-0.0004
11	10	Biased	0.1673	0.1668	-0.0005
12	10	Biased	0.1673	0.1668	-0.0005
13	10	Biased	0.1685	0.1681	-0.0004
14	10	Biased	0.1674	0.167	-0.0004
15	10	Biased	0.1681	0.1678	-0.0003
16	10	Unbiased	0.1689	0.1685	-0.0004
17	10	Unbiased	0.1715	0.1712	-0.0003
18	10	Unbiased	0.1697	0.1694	-0.0003
19	10	Unbiased	0.1681	0.1677	-0.0004
20	10	Unbiased	0.1699	0.1695	-0.0004
21	30	Biased	0.1677	0.1671	-0.0006
22	30	Biased	0.1673	0.1667	-0.0006
23	30	Biased	0.17	0.1693	-0.0007
24	30	Biased	0.1685	0.1677	-0.0008
25	30	Biased	0.1667	0.166	-0.0007
26	30	Unbiased	0.1675	0.1668	-0.0007
27	30	Unbiased	0.1672	0.1665	-0.0007
28	30	Unbiased	0.1668	0.1661	-0.0007
29	30	Unbiased	0.1678	0.1669	-0.0009
30	30	Unbiased	0.1673	0.1665	-0.0008
31	50	Biased	0.1705	0.1698	-0.0007
32	50	Biased	0.1678	0.1671	-0.0007
33	50	Biased	0.1677	0.1669	-0.0008
34	50	Biased	0.172	0.1714	-0.0006
35	50	Biased	0.1694	0.1686	-0.0008
36	50	Unbiased	0.1684	0.1674	-0.001
37	50	Unbiased	0.1682	0.1672	-0.001
38	50	Unbiased	0.1675	0.1665	-0.001
39	50	Unbiased	0.1684	0.1675	-0.0009
40	50	Unbiased	0.1679	0.1671	-0.0008
41	100	Biased	0.1673	0.1661	-0.0012
42	100	Biased	0.1674	0.1661	-0.0013
43	100	Biased	0.1682	0.1672	-0.001
44	100	Biased	0.169	0.1677	-0.0013
45	100	Biased	0.1677	0.1664	-0.0013
46	100	Unbiased	0.169	0.1676	-0.0014
47	100	Unbiased	0.1743	0.1731	-0.0012
48	100	Unbiased	0.1704	0.169	-0.0014
49	100	Unbiased	0.1672	0.1661	-0.0011
50	100	Unbiased	0.1671	0.1661	-0.001
51	0	Correlation	0.1675	0.1673	-0.0002
52	0	Correlation	0.1719	0.1718	-0.0001
53	0	Correlation	0.1678	0.1676	-0.0002
54	0	Correlation	0.1681	0.1677	-0.0004
55	0	Correlation	0.1676	0.1674	-0.0002

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	0.1675	0.16858	0.1719	0.00187	0.1673	0.16836	0.1718	0.0019295	-0.0004	-0.00022	-0.0001	0.00010954
3	0.167	0.16853	0.1707	0.0011795	0.1665	0.16813	0.1704	0.0011776	-0.0006	-0.0004	-0.0003	0.00010541
10	0.1673	0.16867	0.1715	0.0013614	0.1668	0.16828	0.1712	0.0014117	-0.0005	-0.00039	-0.0003	7.3786e-05
30	0.1667	0.16768	0.17	0.00096356	0.166	0.16696	0.1693	0.00095592	-0.0009	-0.00072	-0.0006	9.1894e-05
50	0.1675	0.16878	0.172	0.0014482	0.1665	0.16795	0.1714	0.0015443	-0.001	-0.00083	-0.0006	0.00014181
100	0.1671	0.16876	0.1743	0.0022137	0.1661	0.16754	0.1731	0.0021803	-0.0014	-0.00122	-0.001	0.00014757

Device Test: 6.67; VOL_RESET_2MA_OD





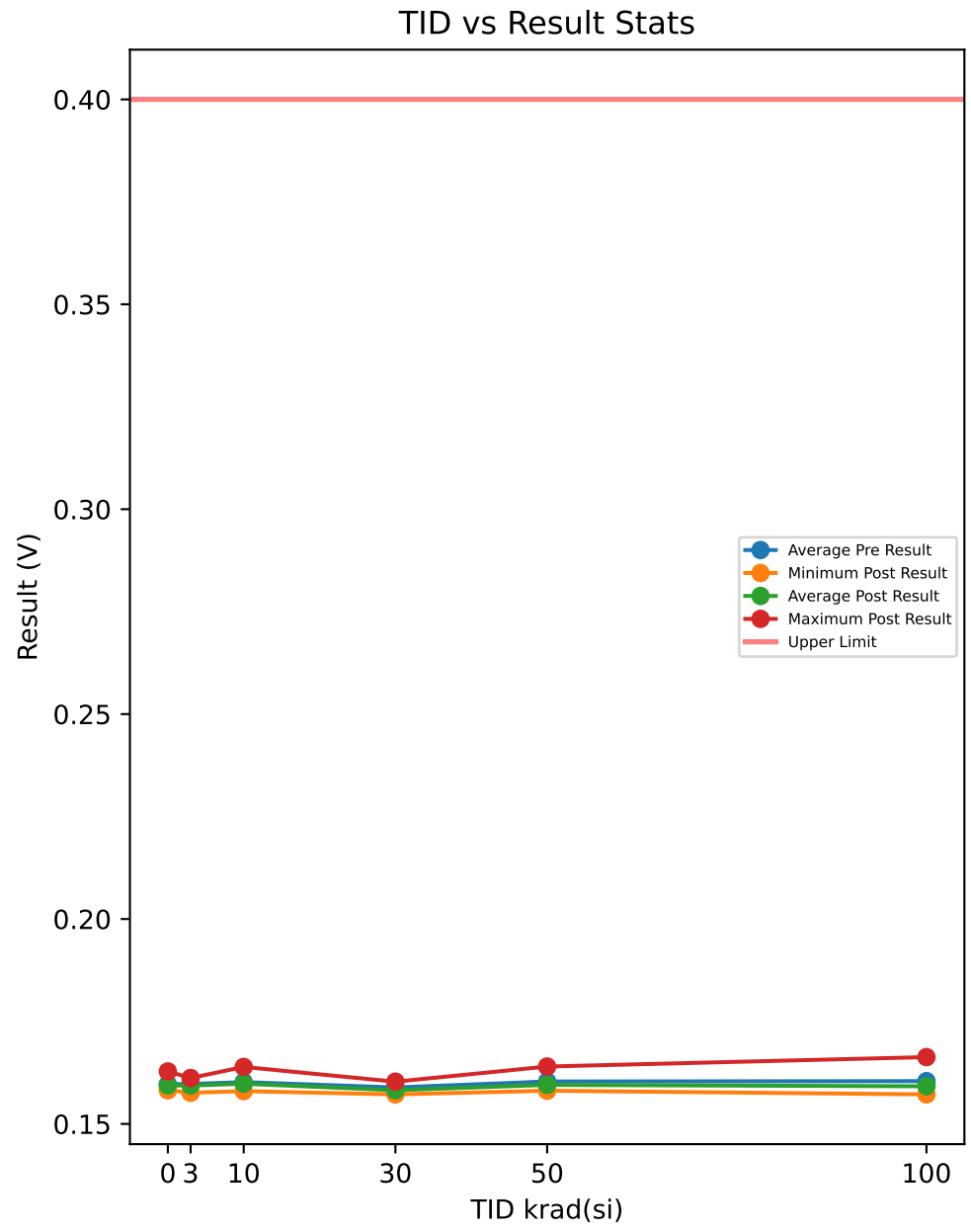
Test Results (Upper Limit = 0.4 (V))

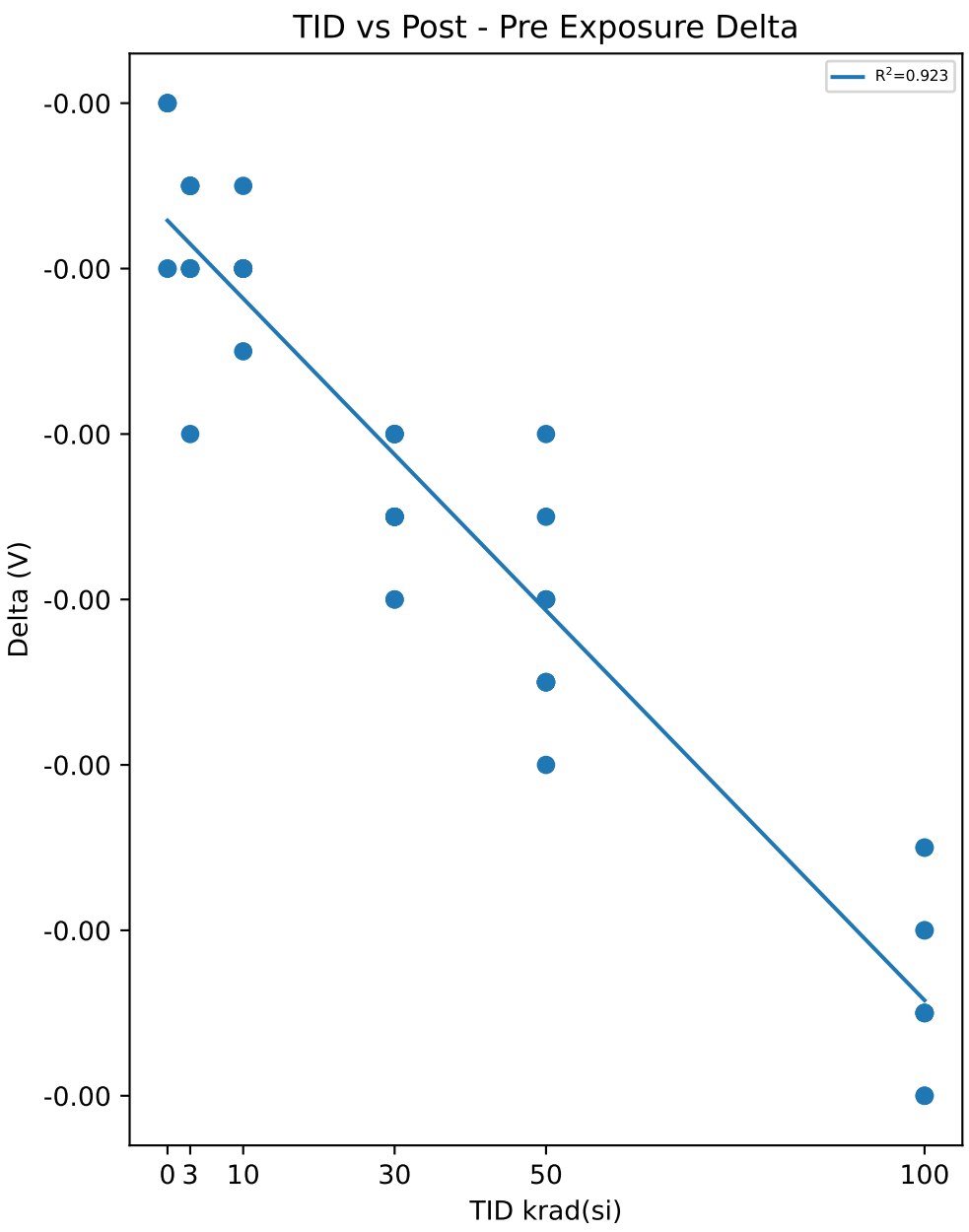
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.1676	0.1669	-0.0007
2	3	Biased	0.1694	0.1686	-0.0008
3	3	Biased	0.1695	0.1687	-0.0008
4	3	Biased	0.1689	0.1683	-0.0006
5	3	Biased	0.1669	0.1664	-0.0005
6	3	Unbiased	0.1675	0.1668	-0.0007
7	3	Unbiased	0.1704	0.1699	-0.0005
8	3	Unbiased	0.167	0.1664	-0.0006
9	3	Unbiased	0.1687	0.1681	-0.0006
10	3	Unbiased	0.1691	0.1685	-0.0006
11	10	Biased	0.1679	0.1672	-0.0007
12	10	Biased	0.1672	0.1665	-0.0007
13	10	Biased	0.1679	0.1672	-0.0007
14	10	Biased	0.1672	0.1665	-0.0007
15	10	Biased	0.1679	0.1674	-0.0005
16	10	Unbiased	0.1691	0.1684	-0.0007
17	10	Unbiased	0.1719	0.1714	-0.0005
18	10	Unbiased	0.1701	0.1695	-0.0006
19	10	Unbiased	0.1682	0.1676	-0.0006
20	10	Unbiased	0.1697	0.1693	-0.0004
21	30	Biased	0.1673	0.1665	-0.0008
22	30	Biased	0.167	0.1662	-0.0008
23	30	Biased	0.17	0.1693	-0.0007
24	30	Biased	0.1685	0.1677	-0.0008
25	30	Biased	0.1668	0.166	-0.0008
26	30	Unbiased	0.1677	0.1668	-0.0009
27	30	Unbiased	0.1673	0.1662	-0.0011
28	30	Unbiased	0.1669	0.1662	-0.0007
29	30	Unbiased	0.1679	0.1671	-0.0008
30	30	Unbiased	0.1676	0.1667	-0.0009
31	50	Biased	0.1705	0.1696	-0.0009
32	50	Biased	0.1678	0.1668	-0.001
33	50	Biased	0.1673	0.1663	-0.001
34	50	Biased	0.1727	0.1717	-0.001
35	50	Biased	0.17	0.1691	-0.0009
36	50	Unbiased	0.1685	0.1673	-0.0012
37	50	Unbiased	0.1681	0.1671	-0.001
38	50	Unbiased	0.1677	0.1666	-0.0011
39	50	Unbiased	0.1676	0.1665	-0.0011
40	50	Unbiased	0.1683	0.1672	-0.0011
41	100	Biased	0.1674	0.166	-0.0014
42	100	Biased	0.1673	0.1659	-0.0014
43	100	Biased	0.1681	0.1667	-0.0014
44	100	Biased	0.169	0.1676	-0.0014
45	100	Biased	0.1673	0.1659	-0.0014
46	100	Unbiased	0.1688	0.1672	-0.0016
47	100	Unbiased	0.1743	0.1729	-0.0014
48	100	Unbiased	0.1703	0.1688	-0.0015
49	100	Unbiased	0.1673	0.1658	-0.0015
50	100	Unbiased	0.168	0.1666	-0.0014
51	0	Correlation	0.1673	0.167	-0.0003
52	0	Correlation	0.1721	0.1718	-0.0003
53	0	Correlation	0.1677	0.1671	-0.0006
54	0	Correlation	0.168	0.1673	-0.0007
55	0	Correlation	0.1676	0.167	-0.0006

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	0.1673	0.16854	0.1721	0.0020057	0.167	0.16804	0.1718	0.0021055	-0.0007	-0.0005	-0.0003	0.00018708
3	0.1669	0.1685	0.1704	0.0011832	0.1664	0.16786	0.1699	0.001173	-0.0008	-0.00064	-0.0005	0.0001075
10	0.1672	0.16871	0.1719	0.0014918	0.1665	0.1681	0.1714	0.0015585	-0.0007	-0.00061	-0.0004	0.00011005
30	0.1668	0.1677	0.17	0.00095685	0.166	0.16687	0.1693	0.0009956	-0.0011	-0.00083	-0.0007	0.00011595
50	0.1673	0.16885	0.1727	0.0017077	0.1663	0.16782	0.1717	0.0017517	-0.0012	-0.00103	-0.0009	9.4868e-05
100	0.1673	0.16878	0.1743	0.0021699	0.1658	0.16734	0.1729	0.0021706	-0.0016	-0.00144	-0.0014	6.9921e-05

Device Test: 6.68; VOL_WDO_2MA_OD





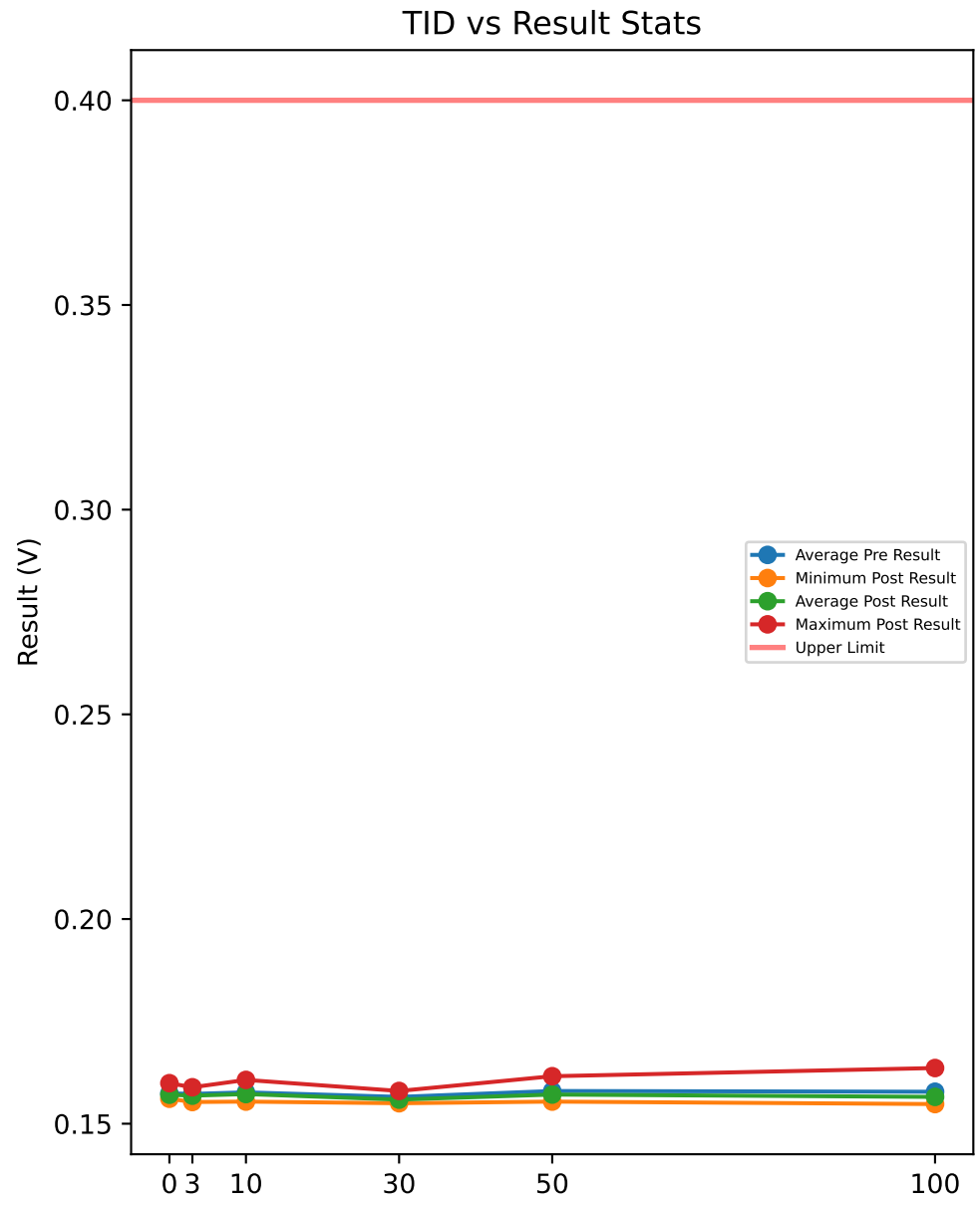
Test Results (Upper Limit = 0.4 (V))

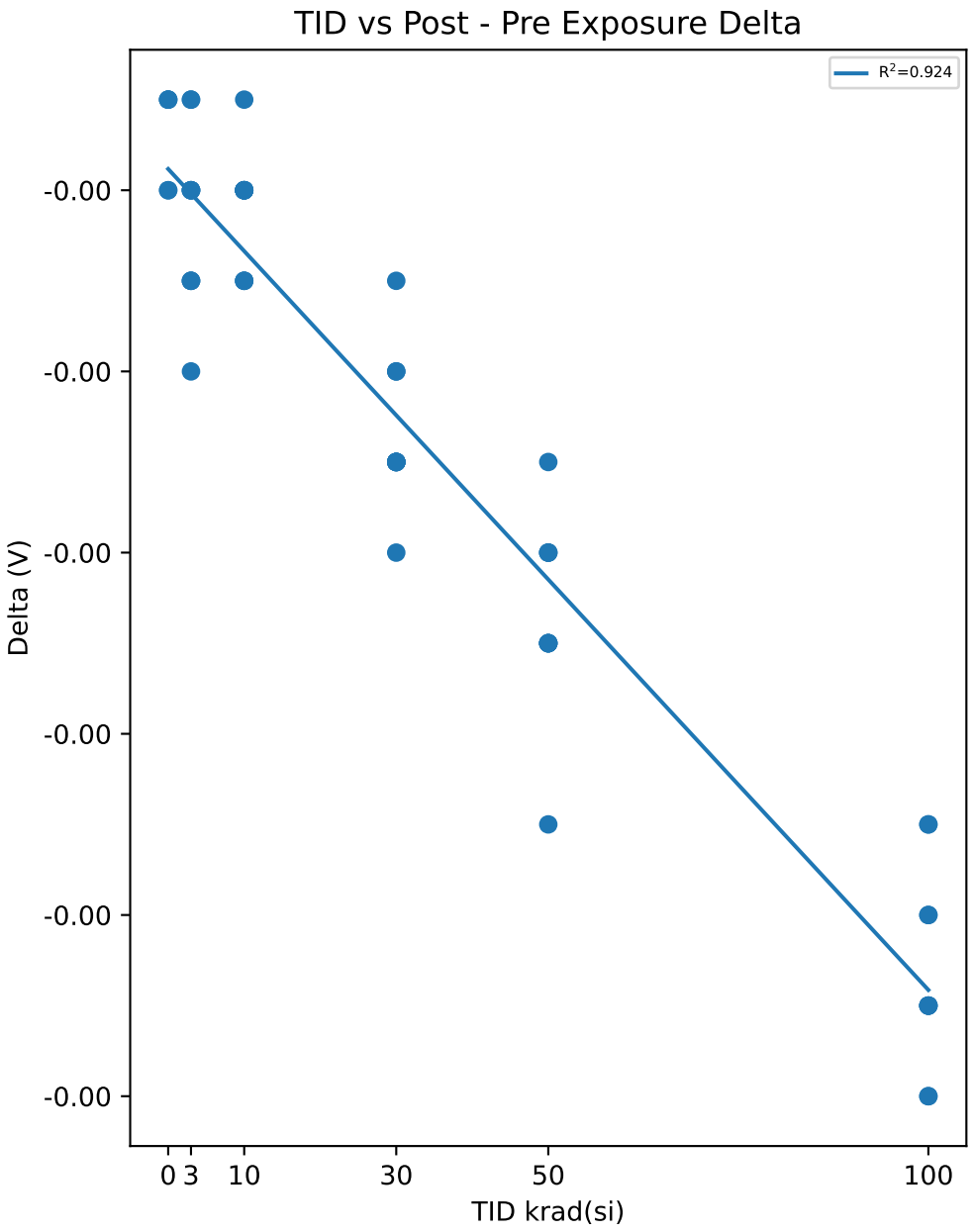
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.1584	0.1581	-0.0003
2	3	Biased	0.1601	0.1597	-0.0004
3	3	Biased	0.1604	0.16	-0.0004
4	3	Biased	0.1606	0.1602	-0.0004
5	3	Biased	0.1582	0.1576	-0.0006
6	3	Unbiased	0.1591	0.1587	-0.0004
7	3	Unbiased	0.1615	0.1612	-0.0003
8	3	Unbiased	0.1584	0.1581	-0.0003
9	3	Unbiased	0.1597	0.1593	-0.0004
10	3	Unbiased	0.161	0.1607	-0.0003
11	10	Biased	0.1591	0.1586	-0.0005
12	10	Biased	0.1584	0.158	-0.0004
13	10	Biased	0.1594	0.159	-0.0004
14	10	Biased	0.1586	0.1582	-0.0004
15	10	Biased	0.1594	0.159	-0.0004
16	10	Unbiased	0.1612	0.1608	-0.0004
17	10	Unbiased	0.1642	0.1639	-0.0003
18	10	Unbiased	0.1606	0.1602	-0.0004
19	10	Unbiased	0.1594	0.159	-0.0004
20	10	Unbiased	0.1617	0.1613	-0.0004
21	30	Biased	0.1587	0.1581	-0.0006
22	30	Biased	0.1584	0.1577	-0.0007
23	30	Biased	0.161	0.1603	-0.0007
24	30	Biased	0.1597	0.159	-0.0007
25	30	Biased	0.1579	0.1573	-0.0006
26	30	Unbiased	0.1593	0.1587	-0.0006
27	30	Unbiased	0.159	0.1582	-0.0008
28	30	Unbiased	0.1579	0.1572	-0.0007
29	30	Unbiased	0.159	0.1582	-0.0008
30	30	Unbiased	0.1581	0.1574	-0.0007
31	50	Biased	0.163	0.1621	-0.0009
32	50	Biased	0.159	0.1582	-0.0008
33	50	Biased	0.1592	0.1583	-0.0009
34	50	Biased	0.1646	0.164	-0.0006
35	50	Biased	0.1615	0.1607	-0.0008
36	50	Unbiased	0.1594	0.1585	-0.0009
37	50	Unbiased	0.1595	0.1585	-0.001
38	50	Unbiased	0.1588	0.1581	-0.0007
39	50	Unbiased	0.159	0.1581	-0.0009
40	50	Unbiased	0.1595	0.1587	-0.0008
41	100	Biased	0.1589	0.1576	-0.0013
42	100	Biased	0.1587	0.1573	-0.0014
43	100	Biased	0.1599	0.1588	-0.0011
44	100	Biased	0.1604	0.1591	-0.0013
45	100	Biased	0.1589	0.1576	-0.0013
46	100	Unbiased	0.1605	0.1591	-0.0014
47	100	Unbiased	0.1676	0.1663	-0.0013
48	100	Unbiased	0.1619	0.1608	-0.0011
49	100	Unbiased	0.1584	0.1572	-0.0012
50	100	Unbiased	0.1592	0.158	-0.0012
51	0	Correlation	0.1588	0.1586	-0.0002
52	0	Correlation	0.163	0.1628	-0.0002
53	0	Correlation	0.1586	0.1582	-0.0004
54	0	Correlation	0.159	0.1586	-0.0004
55	0	Correlation	0.159	0.1588	-0.0002

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	0.1586	0.15968	0.163	0.0018633	0.1582	0.1594	0.1628	0.0019131	-0.0004	-0.00028	-0.0002	0.00010954
3	0.1582	0.15974	0.1615	0.0011721	0.1576	0.15936	0.1612	0.0012076	-0.0006	-0.00038	-0.0003	9.1894e-05
10	0.1584	0.1602	0.1642	0.0017745	0.158	0.1598	0.1639	0.0018068	-0.0005	-0.0004	-0.0003	4.714e-05
30	0.1579	0.1589	0.161	0.00095219	0.1572	0.15821	0.1603	0.00094334	-0.0008	-0.00069	-0.0006	7.3786e-05
50	0.1588	0.16035	0.1646	0.0020035	0.1581	0.15952	0.164	0.0020585	-0.001	-0.00083	-0.0006	0.00011595
100	0.1584	0.16044	0.1676	0.0027318	0.1572	0.15918	0.1663	0.0027349	-0.0014	-0.00126	-0.0011	0.0001075

Device Test: 6.69; VOL_PWRGD_2MA_OD





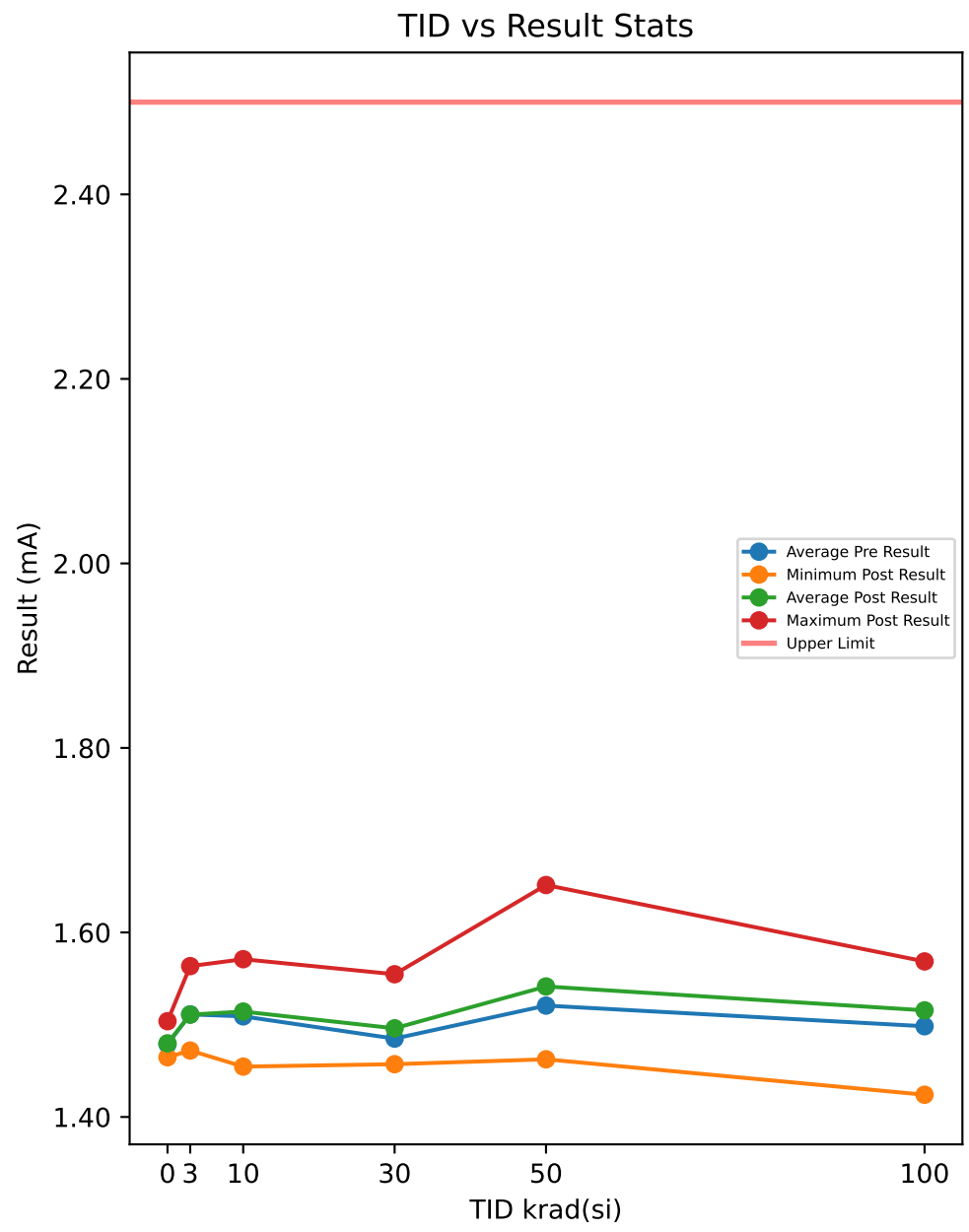
Test Results (Upper Limit = 0.4 (V))

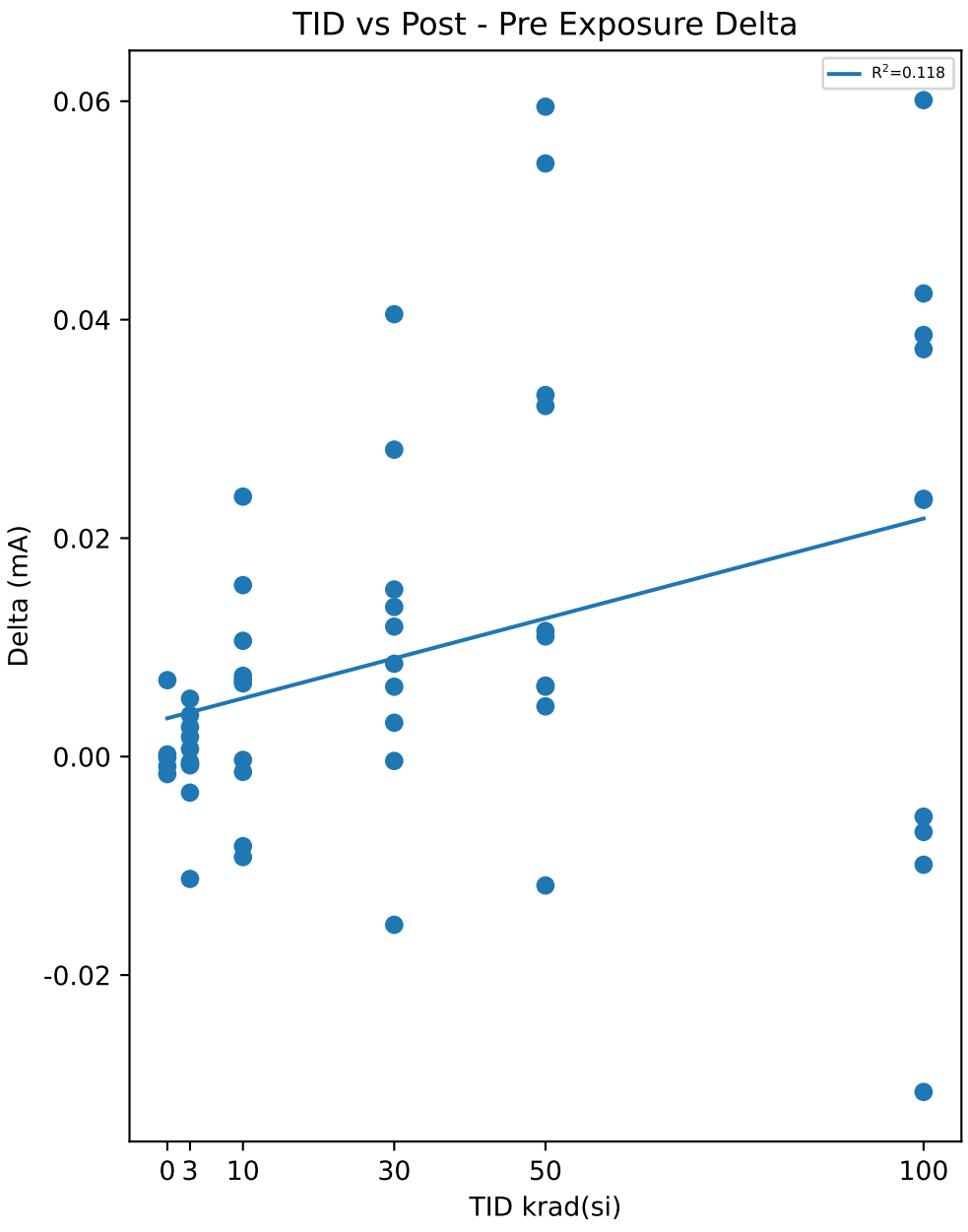
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.1559	0.1554	-0.0005
2	3	Biased	0.1576	0.157	-0.0006
3	3	Biased	0.1579	0.1575	-0.0004
4	3	Biased	0.1578	0.1575	-0.0003
5	3	Biased	0.1558	0.1553	-0.0005
6	3	Unbiased	0.1566	0.1562	-0.0004
7	3	Unbiased	0.1593	0.1589	-0.0004
8	3	Unbiased	0.1563	0.1559	-0.0004
9	3	Unbiased	0.1571	0.1568	-0.0003
10	3	Unbiased	0.1585	0.158	-0.0005
11	10	Biased	0.1565	0.156	-0.0005
12	10	Biased	0.1558	0.1554	-0.0004
13	10	Biased	0.1568	0.1564	-0.0004
14	10	Biased	0.1563	0.1558	-0.0005
15	10	Biased	0.1567	0.1564	-0.0003
16	10	Unbiased	0.1584	0.158	-0.0004
17	10	Unbiased	0.1611	0.1607	-0.0004
18	10	Unbiased	0.1584	0.158	-0.0004
19	10	Unbiased	0.1573	0.1568	-0.0005
20	10	Unbiased	0.1593	0.1589	-0.0004
21	30	Biased	0.156	0.1555	-0.0005
22	30	Biased	0.1562	0.1556	-0.0006
23	30	Biased	0.1587	0.158	-0.0007
24	30	Biased	0.1575	0.1568	-0.0007
25	30	Biased	0.1557	0.155	-0.0007
26	30	Unbiased	0.1565	0.1558	-0.0007
27	30	Unbiased	0.1562	0.1555	-0.0007
28	30	Unbiased	0.1557	0.1551	-0.0006
29	30	Unbiased	0.1569	0.1561	-0.0008
30	30	Unbiased	0.1561	0.1554	-0.0007
31	50	Biased	0.1606	0.1597	-0.0009
32	50	Biased	0.1563	0.1554	-0.0009
33	50	Biased	0.1569	0.156	-0.0009
34	50	Biased	0.1623	0.1616	-0.0007
35	50	Biased	0.1589	0.1581	-0.0008
36	50	Unbiased	0.157	0.1562	-0.0008
37	50	Unbiased	0.1572	0.1563	-0.0009
38	50	Unbiased	0.1566	0.1557	-0.0009
39	50	Unbiased	0.1569	0.1558	-0.0011
40	50	Unbiased	0.1572	0.1564	-0.0008
41	100	Biased	0.1564	0.1552	-0.0012
42	100	Biased	0.1561	0.1548	-0.0013
43	100	Biased	0.157	0.1557	-0.0013
44	100	Biased	0.1579	0.1567	-0.0012
45	100	Biased	0.1562	0.1549	-0.0013
46	100	Unbiased	0.1577	0.1563	-0.0014
47	100	Unbiased	0.1649	0.1636	-0.0013
48	100	Unbiased	0.1593	0.1579	-0.0014
49	100	Unbiased	0.156	0.1549	-0.0011
50	100	Unbiased	0.1566	0.1555	-0.0011
51	0	Correlation	0.1567	0.1564	-0.0003
52	0	Correlation	0.1602	0.1599	-0.0003
53	0	Correlation	0.1565	0.1561	-0.0004
54	0	Correlation	0.1568	0.1565	-0.0003
55	0	Correlation	0.1569	0.1565	-0.0004

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	0.1565	0.15742	0.1602	0.0015611	0.1561	0.15708	0.1599	0.0015849	-0.0004	-0.00034	-0.0003	5.4772e-05
3	0.1558	0.15728	0.1593	0.0011487	0.1553	0.15685	0.1589	0.0011655	-0.0006	-0.00043	-0.0003	9.4868e-05
10	0.1558	0.15766	0.1611	0.0016352	0.1554	0.15724	0.1607	0.0016494	-0.0005	-0.00042	-0.0003	6.3246e-05
30	0.1557	0.15655	0.1587	0.00093363	0.155	0.15588	0.158	0.00090529	-0.0008	-0.00067	-0.0005	8.2327e-05
50	0.1563	0.15799	0.1623	0.0019891	0.1554	0.15712	0.1616	0.0020466	-0.0011	-0.00087	-0.0007	0.00010593
100	0.156	0.15781	0.1649	0.0026959	0.1548	0.15655	0.1636	0.0026618	-0.0014	-0.00126	-0.0011	0.0001075

Device Test: 6.7; IQ





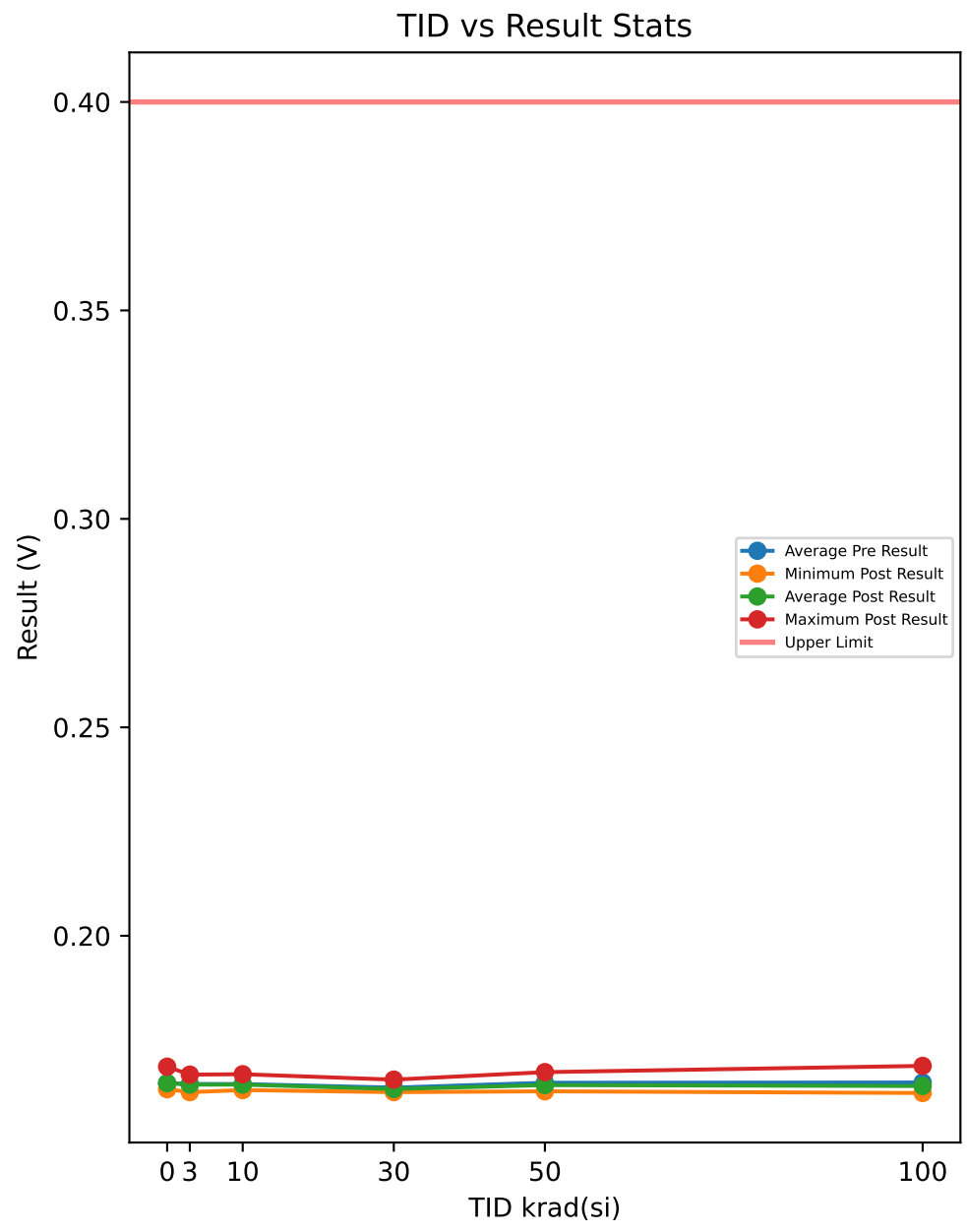
Test Results (Upper Limit = 2.5 (mA))

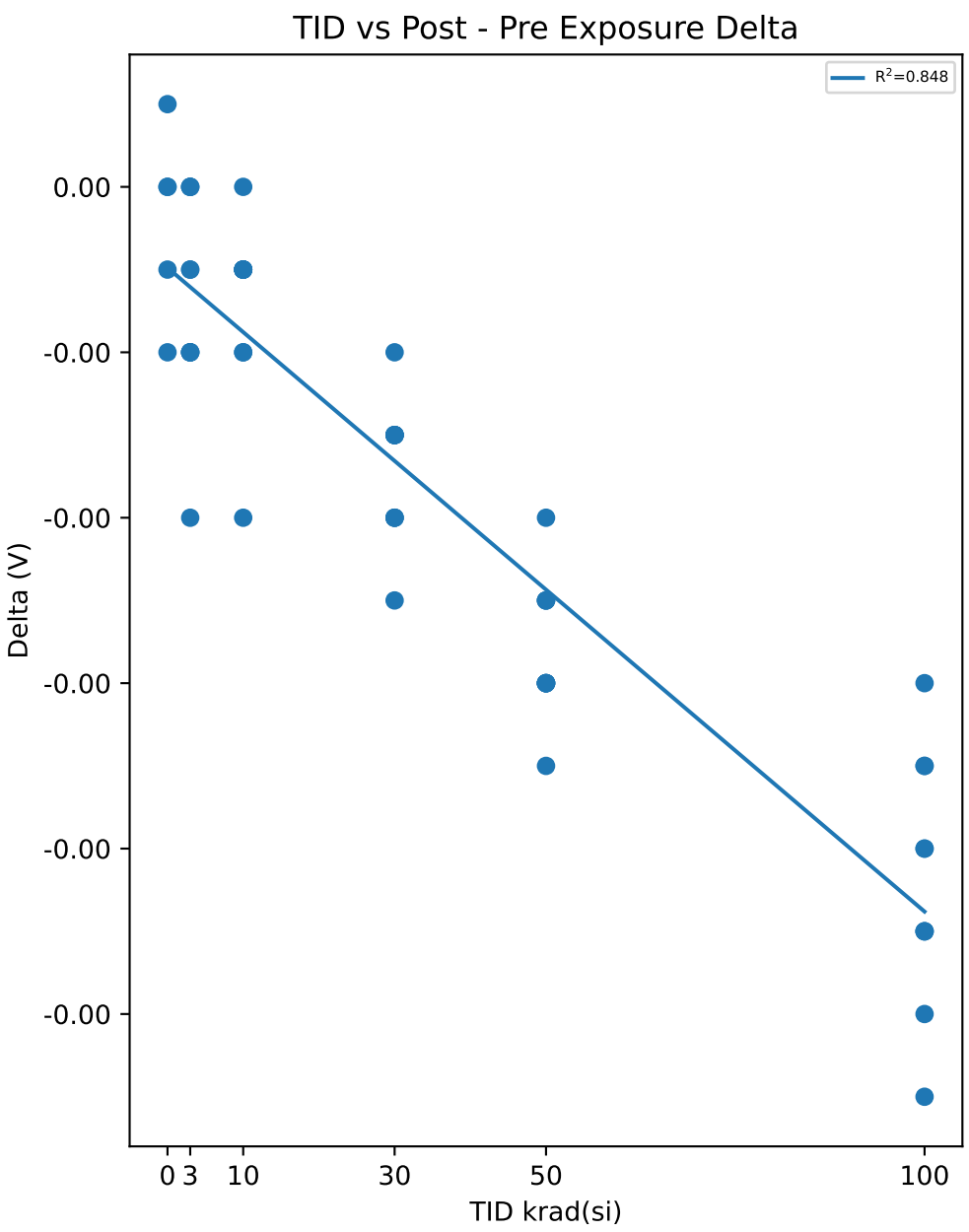
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.496	1.4953	-0.0007
2	3	Biased	1.4821	1.4828	0.0007
3	3	Biased	1.4939	1.4931	-0.0008
4	3	Biased	1.5473	1.5361	-0.0112
5	3	Biased	1.5597	1.5635	0.0038
6	3	Unbiased	1.4725	1.472	-0.0005
7	3	Unbiased	1.4825	1.4843	0.0018
8	3	Unbiased	1.5457	1.5424	-0.0033
9	3	Unbiased	1.5038	1.5091	0.0053
10	3	Unbiased	1.528	1.5307	0.0027
11	10	Biased	1.5343	1.55	0.0157
12	10	Biased	1.4638	1.4876	0.0238
13	10	Biased	1.5042	1.5112	0.007
14	10	Biased	1.4833	1.4819	-0.0014
15	10	Biased	1.5526	1.5523	-0.0003
16	10	Unbiased	1.5458	1.5376	-0.0082
17	10	Unbiased	1.5096	1.5004	-0.0092
18	10	Unbiased	1.4892	1.4959	0.0067
19	10	Unbiased	1.5636	1.571	0.0074
20	10	Unbiased	1.444	1.4546	0.0106
21	30	Biased	1.5064	1.5128	0.0064
22	30	Biased	1.4572	1.4725	0.0153
23	30	Biased	1.4528	1.4613	0.0085
24	30	Biased	1.4944	1.5225	0.0281
25	30	Biased	1.4726	1.4572	-0.0154
26	30	Unbiased	1.5124	1.512	-0.0004
27	30	Unbiased	1.4734	1.4765	0.0031
28	30	Unbiased	1.5142	1.5547	0.0405
29	30	Unbiased	1.5172	1.5309	0.0137
30	30	Unbiased	1.4487	1.4606	0.0119
31	50	Biased	1.5282	1.5613	0.0331
32	50	Biased	1.4673	1.5216	0.0543
33	50	Biased	1.5403	1.5724	0.0321
34	50	Biased	1.5919	1.6514	0.0595
35	50	Biased	1.481	1.492	0.011
36	50	Unbiased	1.5568	1.5614	0.0046
37	50	Unbiased	1.4827	1.4891	0.0064
38	50	Unbiased	1.456	1.4625	0.0065
39	50	Unbiased	1.4908	1.479	-0.0118
40	50	Unbiased	1.6123	1.6238	0.0115
41	100	Biased	1.466	1.4591	-0.0069
42	100	Biased	1.4866	1.5467	0.0601
43	100	Biased	1.4548	1.4241	-0.0307
44	100	Biased	1.5083	1.5319	0.0236
45	100	Biased	1.5099	1.5485	0.0386
46	100	Unbiased	1.4482	1.4906	0.0424
47	100	Unbiased	1.4878	1.5113	0.0235
48	100	Unbiased	1.5313	1.5686	0.0373
49	100	Unbiased	1.5495	1.544	-0.0055
50	100	Unbiased	1.5408	1.5309	-0.0099
51	0	Correlation	1.5036	1.5038	0.0002
52	0	Correlation	1.4648	1.4647	-0.0001
53	0	Correlation	1.4722	1.4792	0.007
54	0	Correlation	1.4766	1.4757	-0.0009
55	0	Correlation	1.4772	1.4756	-0.0016

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	1.4648	1.4789	1.5036	0.01468	1.4647	1.4798	1.5038	0.014481	-0.0016	0.00092	0.007	0.0034709
3	1.4725	1.5111	1.5597	0.031413	1.472	1.5109	1.5635	0.030477	-0.0112	-0.00022	0.0053	0.0046041
10	1.444	1.509	1.5636	0.03975	1.4546	1.5143	1.571	0.037035	-0.0092	0.00521	0.0238	0.010309
30	1.4487	1.4849	1.5172	0.027085	1.4572	1.4961	1.5547	0.03464	-0.0154	0.01117	0.0405	0.015296
50	1.456	1.5207	1.6123	0.053909	1.4625	1.5414	1.6514	0.063538	-0.0118	0.02072	0.0595	0.023138
100	1.4482	1.4983	1.5495	0.035659	1.4241	1.5156	1.5686	0.045182	-0.0307	0.01725	0.0601	0.02895

Device Test: 6.70; VOL_RESET_2MA_OD





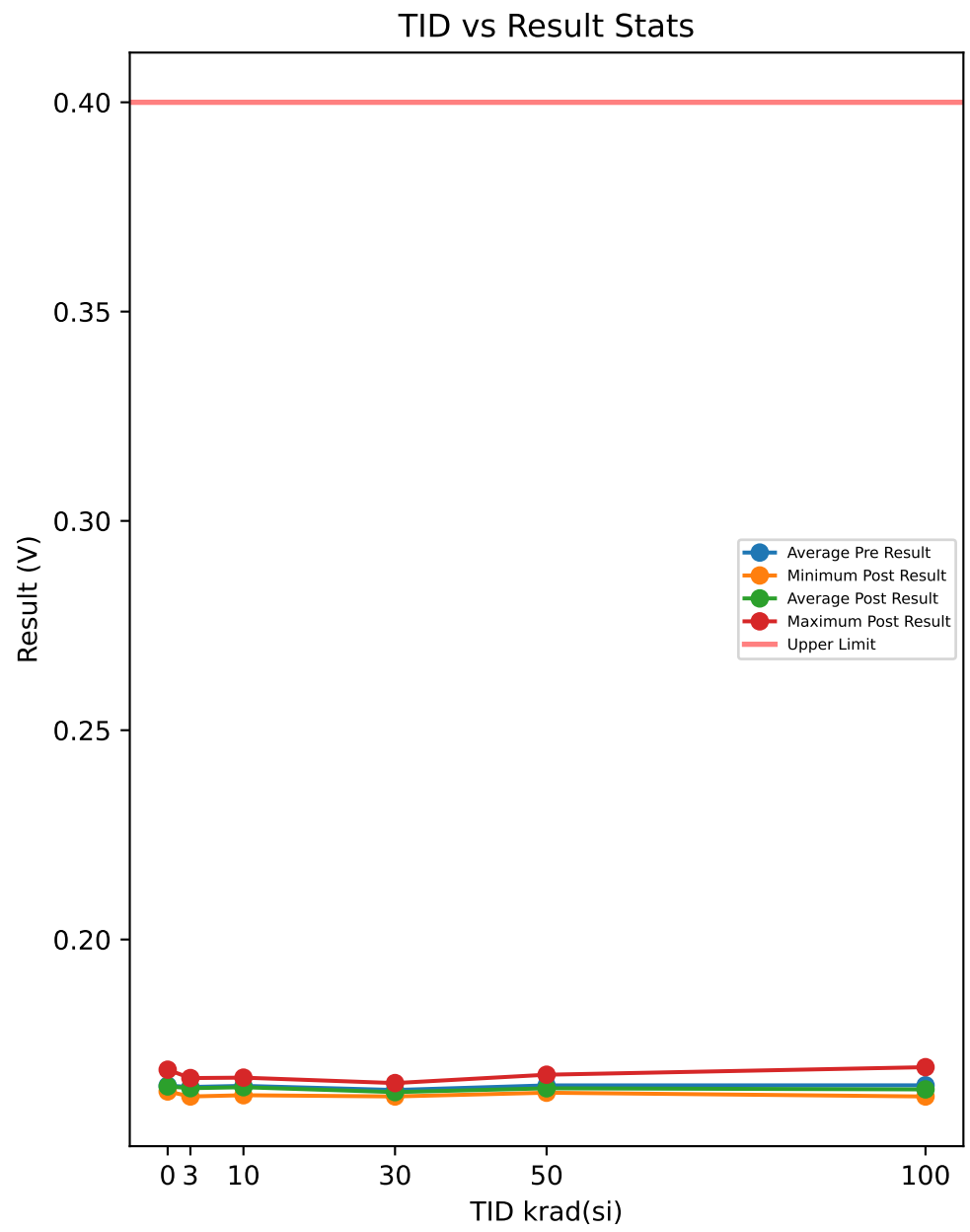
Test Results (Upper Limit = 0.4 (V))

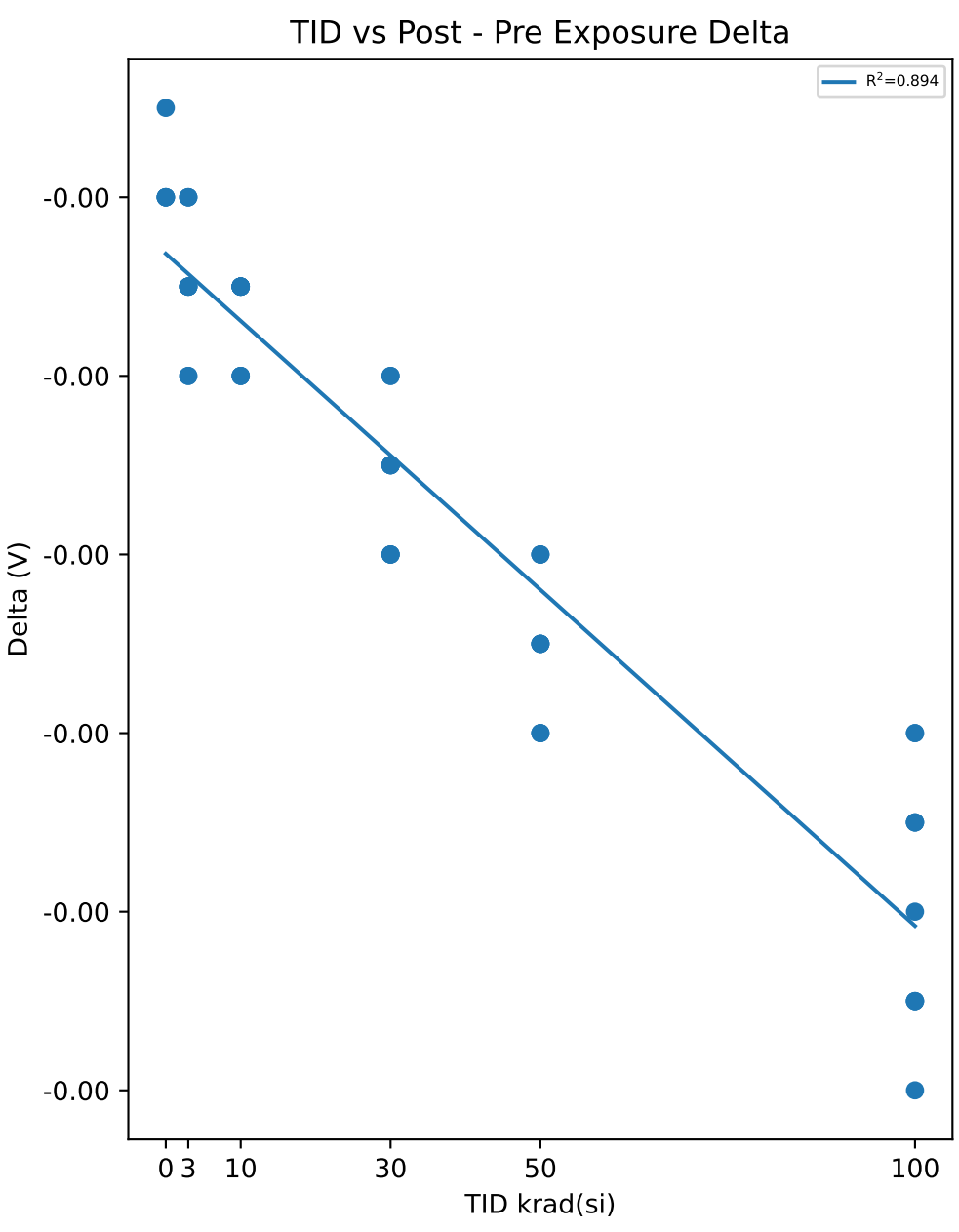
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.1635	0.1631	-0.0004
2	3	Biased	0.1655	0.1653	-0.0002
3	3	Biased	0.1657	0.1655	-0.0002
4	3	Biased	0.1647	0.1645	-0.0002
5	3	Biased	0.1627	0.1625	-0.0002
6	3	Unbiased	0.1634	0.1634	0
7	3	Unbiased	0.1668	0.1667	-0.0001
8	3	Unbiased	0.163	0.163	0
9	3	Unbiased	0.1645	0.1645	0
10	3	Unbiased	0.1647	0.1646	-0.0001
11	10	Biased	0.1633	0.1632	-0.0001
12	10	Biased	0.1632	0.1631	-0.0001
13	10	Biased	0.164	0.1638	-0.0002
14	10	Biased	0.1634	0.163	-0.0004
15	10	Biased	0.164	0.1638	-0.0002
16	10	Unbiased	0.1647	0.1646	-0.0001
17	10	Unbiased	0.1668	0.1668	0
18	10	Unbiased	0.1655	0.1654	-0.0001
19	10	Unbiased	0.1639	0.1638	-0.0001
20	10	Unbiased	0.1656	0.1655	-0.0001
21	30	Biased	0.1629	0.1627	-0.0002
22	30	Biased	0.163	0.1627	-0.0003
23	30	Biased	0.1658	0.1655	-0.0003
24	30	Biased	0.1641	0.1637	-0.0004
25	30	Biased	0.1629	0.1625	-0.0004
26	30	Unbiased	0.1638	0.1635	-0.0003
27	30	Unbiased	0.1636	0.1633	-0.0003
28	30	Unbiased	0.1628	0.1625	-0.0003
29	30	Unbiased	0.1639	0.1634	-0.0005
30	30	Unbiased	0.163	0.1626	-0.0004
31	50	Biased	0.1668	0.1662	-0.0006
32	50	Biased	0.1635	0.1629	-0.0006
33	50	Biased	0.1643	0.1637	-0.0006
34	50	Biased	0.1678	0.1673	-0.0005
35	50	Biased	0.1656	0.1649	-0.0007
36	50	Unbiased	0.1642	0.1636	-0.0006
37	50	Unbiased	0.1641	0.1636	-0.0005
38	50	Unbiased	0.1635	0.163	-0.0005
39	50	Unbiased	0.1633	0.1627	-0.0006
40	50	Unbiased	0.1644	0.164	-0.0004
41	100	Biased	0.1635	0.1627	-0.0008
42	100	Biased	0.1634	0.1626	-0.0008
43	100	Biased	0.1646	0.1639	-0.0007
44	100	Biased	0.1648	0.1639	-0.0009
45	100	Biased	0.1636	0.1626	-0.001
46	100	Unbiased	0.1656	0.1645	-0.0011
47	100	Unbiased	0.1697	0.1688	-0.0009
48	100	Unbiased	0.1663	0.1654	-0.0009
49	100	Unbiased	0.1629	0.1623	-0.0006
50	100	Unbiased	0.1637	0.163	-0.0007
51	0	Correlation	0.1634	0.1635	0.0001
52	0	Correlation	0.1686	0.1686	0
53	0	Correlation	0.1642	0.1642	0
54	0	Correlation	0.1633	0.1632	-0.0001
55	0	Correlation	0.1639	0.1637	-0.0002

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	0.1633	0.16468	0.1686	0.0022219	0.1632	0.16464	0.1686	0.0022434	-0.0002	-4e-05	0.0001	0.00011402
3	0.1627	0.16445	0.1668	0.0013117	0.1625	0.16431	0.1667	0.0013144	-0.0004	-0.00014	0	0.00012649
10	0.1632	0.16444	0.1668	0.0011881	0.163	0.1643	0.1668	0.0012508	-0.0004	-0.00014	0	0.0001075
30	0.1628	0.16358	0.1658	0.00091627	0.1625	0.16324	0.1655	0.00091311	-0.0005	-0.00034	-0.0002	8.4327e-05
50	0.1633	0.16475	0.1678	0.0015094	0.1627	0.16419	0.1673	0.0015088	-0.0007	-0.00056	-0.0004	8.4327e-05
100	0.1629	0.16481	0.1697	0.0020234	0.1623	0.16397	0.1688	0.0019653	-0.0011	-0.00084	-0.0006	0.00015055

Device Test: 6.71; VOL_RESET_2MA_OD





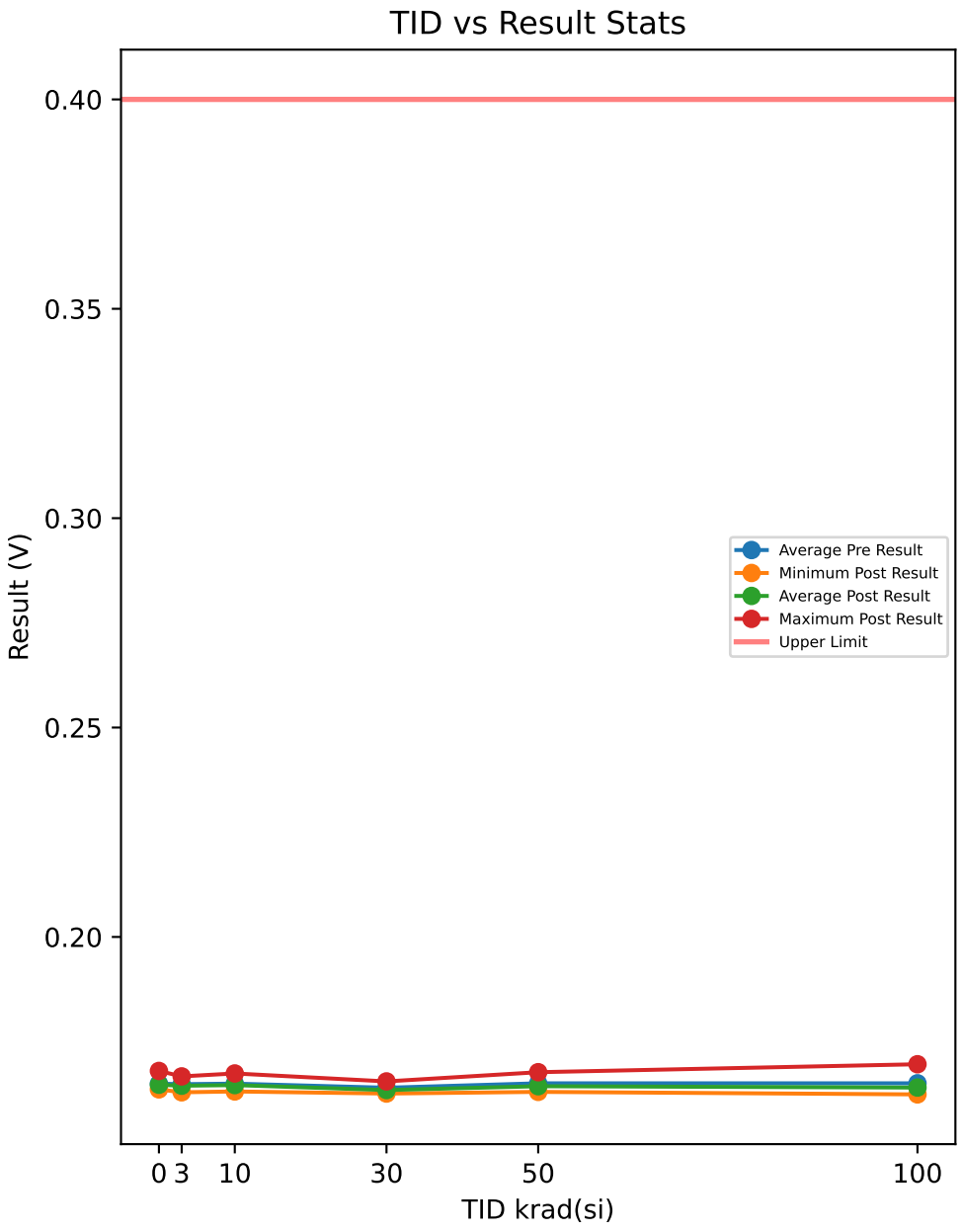
Test Results (Upper Limit = 0.4 (V))

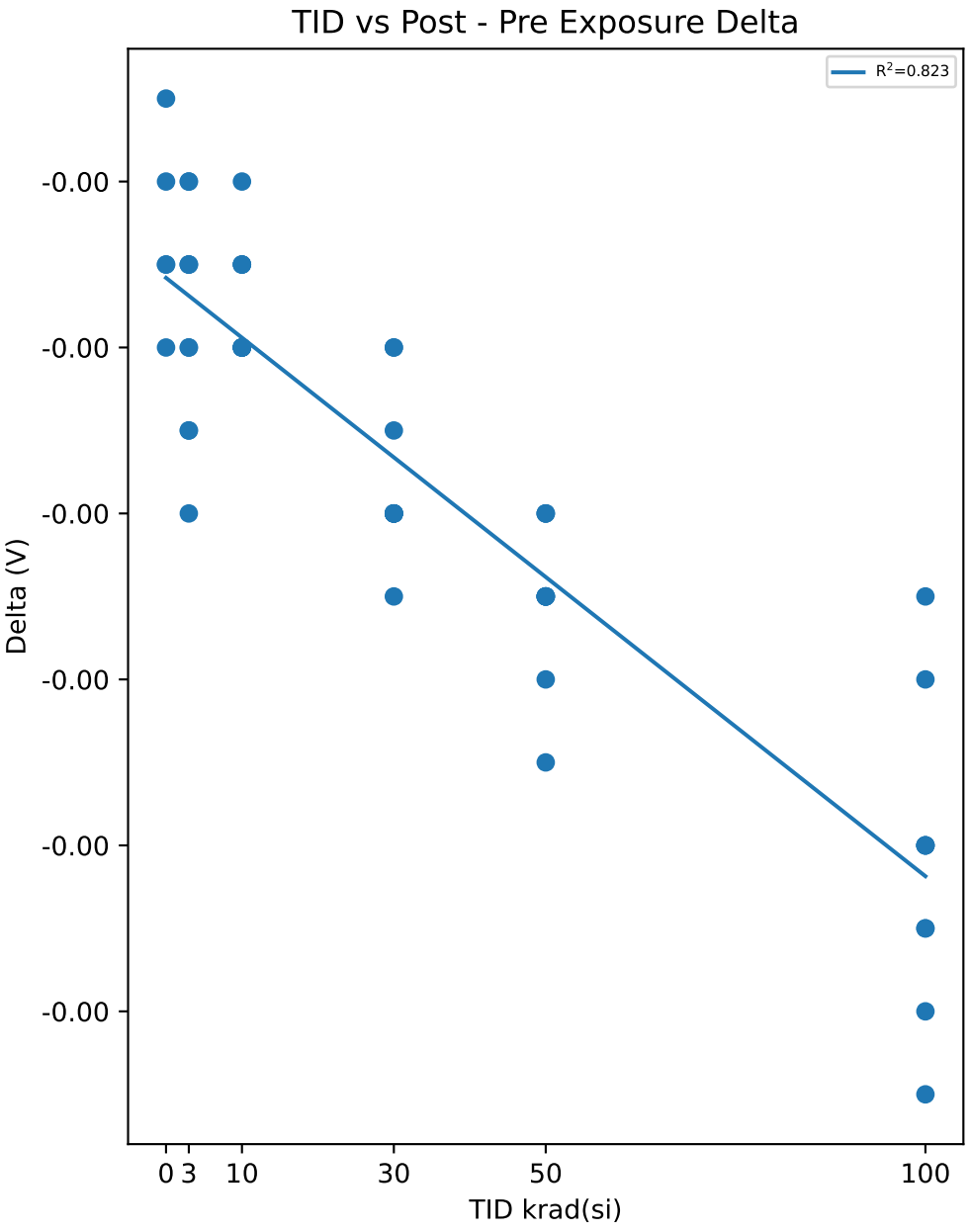
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.1635	0.1631	-0.0004
2	3	Biased	0.1651	0.1648	-0.0003
3	3	Biased	0.1662	0.1658	-0.0004
4	3	Biased	0.1655	0.1652	-0.0003
5	3	Biased	0.1628	0.1625	-0.0003
6	3	Unbiased	0.164	0.1637	-0.0003
7	3	Unbiased	0.1671	0.1669	-0.0002
8	3	Unbiased	0.1639	0.1637	-0.0002
9	3	Unbiased	0.1643	0.1641	-0.0002
10	3	Unbiased	0.1653	0.165	-0.0003
11	10	Biased	0.164	0.1637	-0.0003
12	10	Biased	0.1632	0.1628	-0.0004
13	10	Biased	0.165	0.1647	-0.0003
14	10	Biased	0.1639	0.1635	-0.0004
15	10	Biased	0.1646	0.1642	-0.0004
16	10	Unbiased	0.1654	0.1651	-0.0003
17	10	Unbiased	0.1673	0.167	-0.0003
18	10	Unbiased	0.1663	0.166	-0.0003
19	10	Unbiased	0.1646	0.1643	-0.0003
20	10	Unbiased	0.1661	0.1658	-0.0003
21	30	Biased	0.1635	0.163	-0.0005
22	30	Biased	0.1637	0.1632	-0.0005
23	30	Biased	0.1661	0.1657	-0.0004
24	30	Biased	0.165	0.1644	-0.0006
25	30	Biased	0.1631	0.1625	-0.0006
26	30	Unbiased	0.1642	0.1637	-0.0005
27	30	Unbiased	0.1642	0.1636	-0.0006
28	30	Unbiased	0.1635	0.1631	-0.0004
29	30	Unbiased	0.1639	0.1634	-0.0005
30	30	Unbiased	0.1633	0.1628	-0.0005
31	50	Biased	0.1668	0.166	-0.0008
32	50	Biased	0.1643	0.1636	-0.0007
33	50	Biased	0.1643	0.1636	-0.0007
34	50	Biased	0.1683	0.1677	-0.0006
35	50	Biased	0.1661	0.1653	-0.0008
36	50	Unbiased	0.1648	0.164	-0.0008
37	50	Unbiased	0.1644	0.1638	-0.0006
38	50	Unbiased	0.164	0.1634	-0.0006
39	50	Unbiased	0.1641	0.1634	-0.0007
40	50	Unbiased	0.1644	0.1637	-0.0007
41	100	Biased	0.1636	0.1627	-0.0009
42	100	Biased	0.1639	0.163	-0.0009
43	100	Biased	0.1645	0.1636	-0.0009
44	100	Biased	0.1655	0.1644	-0.0011
45	100	Biased	0.164	0.1629	-0.0011
46	100	Unbiased	0.1656	0.1644	-0.0012
47	100	Unbiased	0.1706	0.1695	-0.0011
48	100	Unbiased	0.1669	0.1659	-0.001
49	100	Unbiased	0.1633	0.1625	-0.0008
50	100	Unbiased	0.1638	0.163	-0.0008
51	0	Correlation	0.1641	0.1639	-0.0002
52	0	Correlation	0.1691	0.1689	-0.0002
53	0	Correlation	0.1639	0.1638	-0.0001
54	0	Correlation	0.1644	0.1642	-0.0002
55	0	Correlation	0.1639	0.1637	-0.0002

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	0.1639	0.16508	0.1691	0.0022565	0.1637	0.1649	0.1689	0.0022439	-0.0002	-0.00018	-0.0001	4.4721e-05
3	0.1628	0.16477	0.1671	0.0013107	0.1625	0.16448	0.1669	0.0013198	-0.0004	-0.00029	-0.0002	7.3786e-05
10	0.1632	0.16504	0.1673	0.0012518	0.1628	0.16471	0.167	0.0012827	-0.0004	-0.00033	-0.0003	4.8305e-05
30	0.1631	0.16405	0.1661	0.00090462	0.1625	0.16354	0.1657	0.000924	-0.0006	-0.00051	-0.0004	7.3786e-05
50	0.164	0.16515	0.1683	0.0014401	0.1634	0.16445	0.1677	0.0014347	-0.0008	-0.0007	-0.0006	8.165e-05
100	0.1633	0.16517	0.1706	0.0022121	0.1625	0.16419	0.1695	0.0021377	-0.0012	-0.00098	-0.0008	0.00013984

Device Test: 6.72; VOL_RESET_2MA_OD





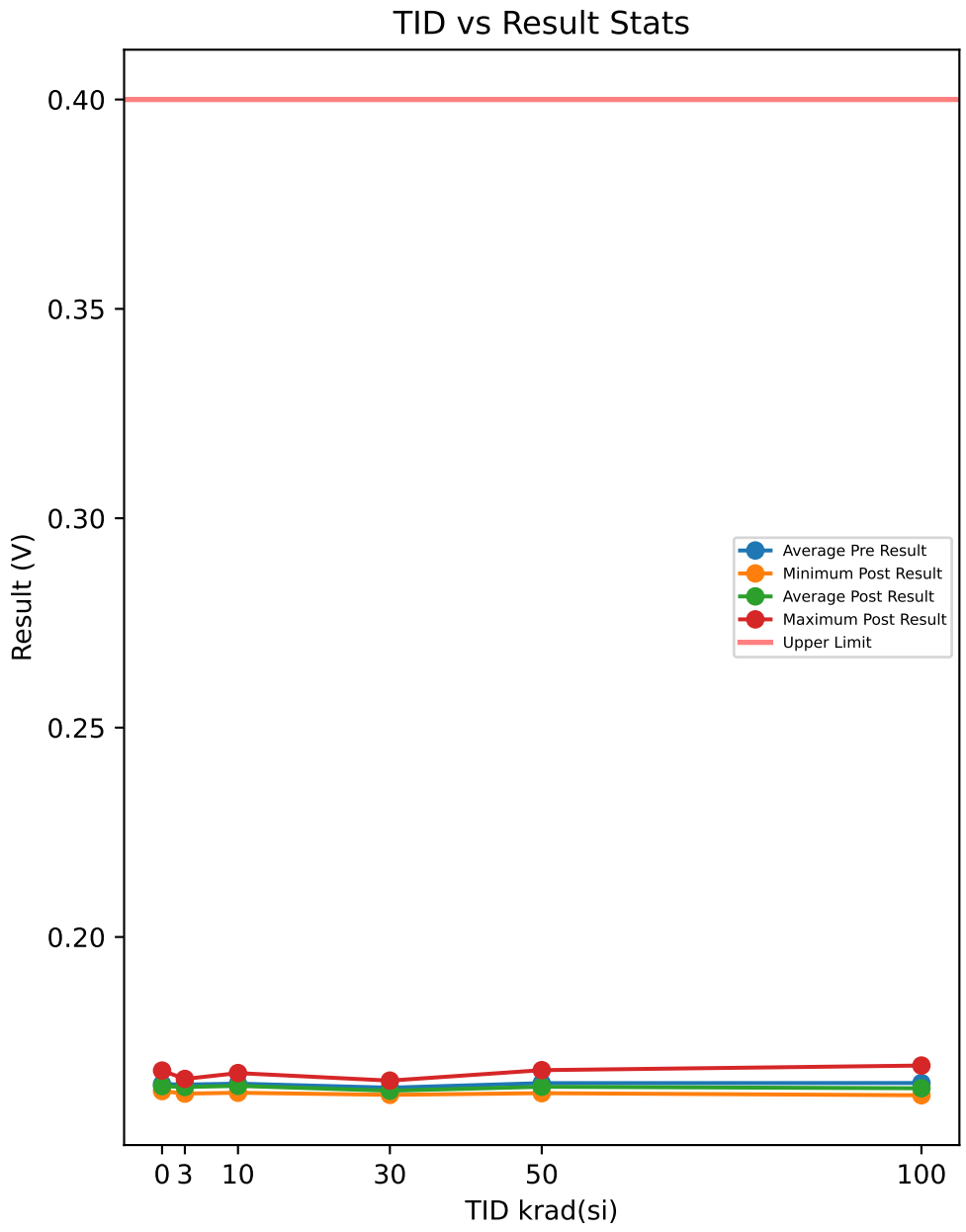
Test Results (Upper Limit = 0.4 (V))

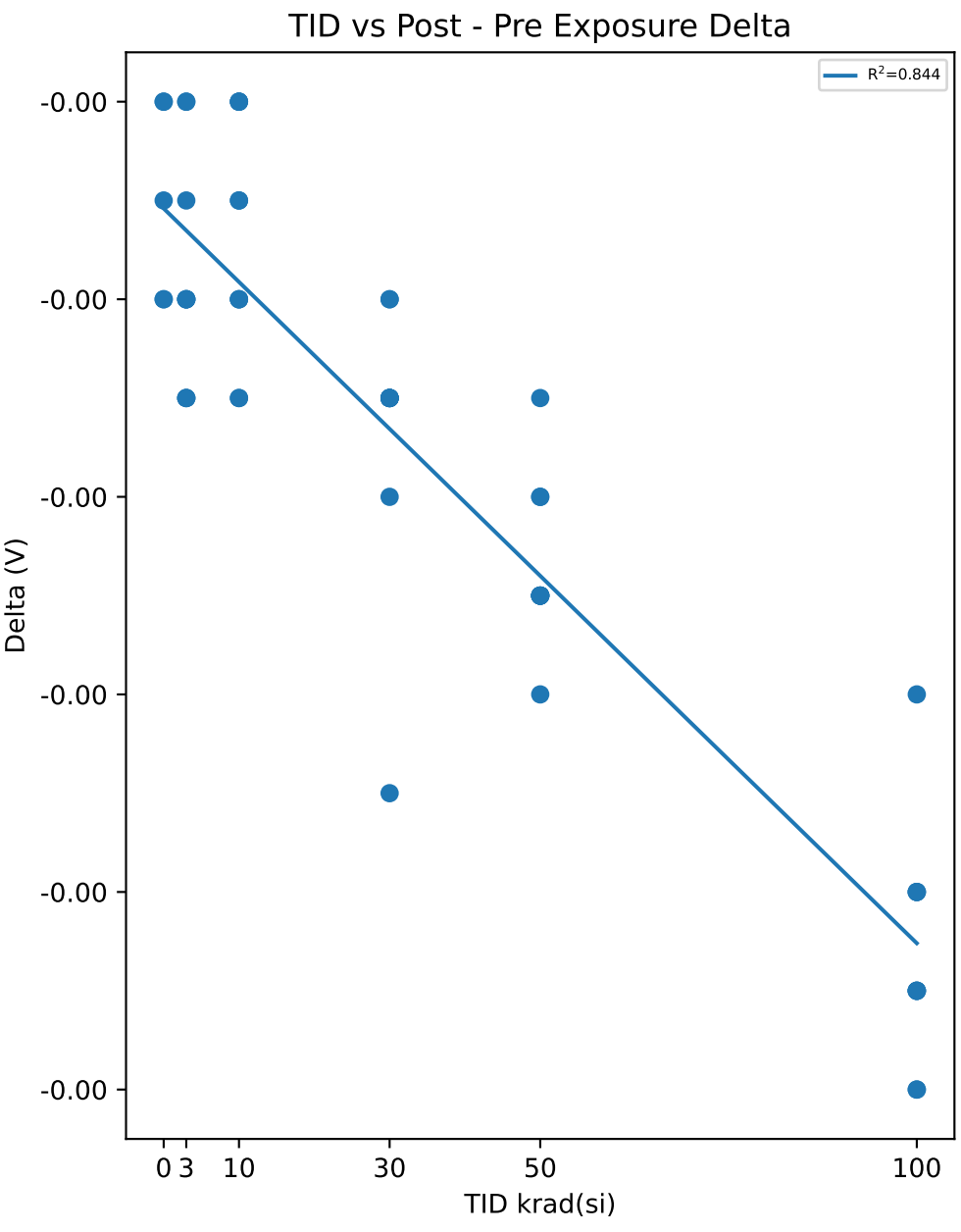
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.1635	0.1629	-0.0006
2	3	Biased	0.165	0.1645	-0.0005
3	3	Biased	0.1661	0.1656	-0.0005
4	3	Biased	0.1651	0.1647	-0.0004
5	3	Biased	0.1636	0.1633	-0.0003
6	3	Unbiased	0.1645	0.1641	-0.0004
7	3	Unbiased	0.167	0.1667	-0.0003
8	3	Unbiased	0.1632	0.163	-0.0002
9	3	Unbiased	0.1652	0.165	-0.0002
10	3	Unbiased	0.1652	0.1649	-0.0003
11	10	Biased	0.1635	0.1631	-0.0004
12	10	Biased	0.1636	0.1632	-0.0004
13	10	Biased	0.1648	0.1645	-0.0003
14	10	Biased	0.1637	0.1633	-0.0004
15	10	Biased	0.1645	0.1641	-0.0004
16	10	Unbiased	0.1651	0.1647	-0.0004
17	10	Unbiased	0.1677	0.1674	-0.0003
18	10	Unbiased	0.1661	0.1657	-0.0004
19	10	Unbiased	0.1644	0.1641	-0.0003
20	10	Unbiased	0.1663	0.1661	-0.0002
21	30	Biased	0.1639	0.1635	-0.0004
22	30	Biased	0.1637	0.1631	-0.0006
23	30	Biased	0.1662	0.1655	-0.0007
24	30	Biased	0.1649	0.1643	-0.0006
25	30	Biased	0.1632	0.1626	-0.0006
26	30	Unbiased	0.1639	0.1634	-0.0005
27	30	Unbiased	0.1635	0.1629	-0.0006
28	30	Unbiased	0.1631	0.1627	-0.0004
29	30	Unbiased	0.1639	0.1633	-0.0006
30	30	Unbiased	0.1636	0.163	-0.0006
31	50	Biased	0.1668	0.166	-0.0008
32	50	Biased	0.1641	0.1634	-0.0007
33	50	Biased	0.1641	0.1632	-0.0009
34	50	Biased	0.1683	0.1677	-0.0006
35	50	Biased	0.1658	0.1651	-0.0007
36	50	Unbiased	0.1646	0.164	-0.0006
37	50	Unbiased	0.1643	0.1636	-0.0007
38	50	Unbiased	0.1637	0.163	-0.0007
39	50	Unbiased	0.1646	0.1639	-0.0007
40	50	Unbiased	0.1642	0.1636	-0.0006
41	100	Biased	0.1634	0.1624	-0.001
42	100	Biased	0.1638	0.1628	-0.001
43	100	Biased	0.1647	0.1637	-0.001
44	100	Biased	0.1652	0.1642	-0.001
45	100	Biased	0.1639	0.1628	-0.0011
46	100	Unbiased	0.1654	0.1641	-0.0013
47	100	Unbiased	0.1707	0.1696	-0.0011
48	100	Unbiased	0.1667	0.1655	-0.0012
49	100	Unbiased	0.1634	0.1626	-0.0008
50	100	Unbiased	0.1633	0.1626	-0.0007
51	0	Correlation	0.1639	0.1638	-0.0001
52	0	Correlation	0.1683	0.168	-0.0003
53	0	Correlation	0.1644	0.1642	-0.0002
54	0	Correlation	0.1643	0.1639	-0.0004
55	0	Correlation	0.1639	0.1636	-0.0003

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	0.1639	0.16496	0.1683	0.001881	0.1636	0.1647	0.168	0.0018574	-0.0004	-0.00026	-0.0001	0.00011402
3	0.1632	0.16484	0.167	0.00119	0.1629	0.16447	0.1667	0.0011973	-0.0006	-0.00037	-0.0002	0.00013375
10	0.1635	0.16497	0.1677	0.0013639	0.1631	0.16462	0.1674	0.001403	-0.0004	-0.00035	-0.0002	7.0711e-05
30	0.1631	0.16399	0.1662	0.00092069	0.1626	0.16343	0.1655	0.00087312	-0.0007	-0.00056	-0.0004	9.6609e-05
50	0.1637	0.16505	0.1683	0.0014721	0.163	0.16435	0.1677	0.0014909	-0.0009	-0.0007	-0.0006	9.4281e-05
100	0.1633	0.16505	0.1707	0.0022683	0.1624	0.16403	0.1696	0.0021884	-0.0013	-0.00102	-0.0007	0.00017512

Device Test: 6.73; VOL_RESET_2MA_OD





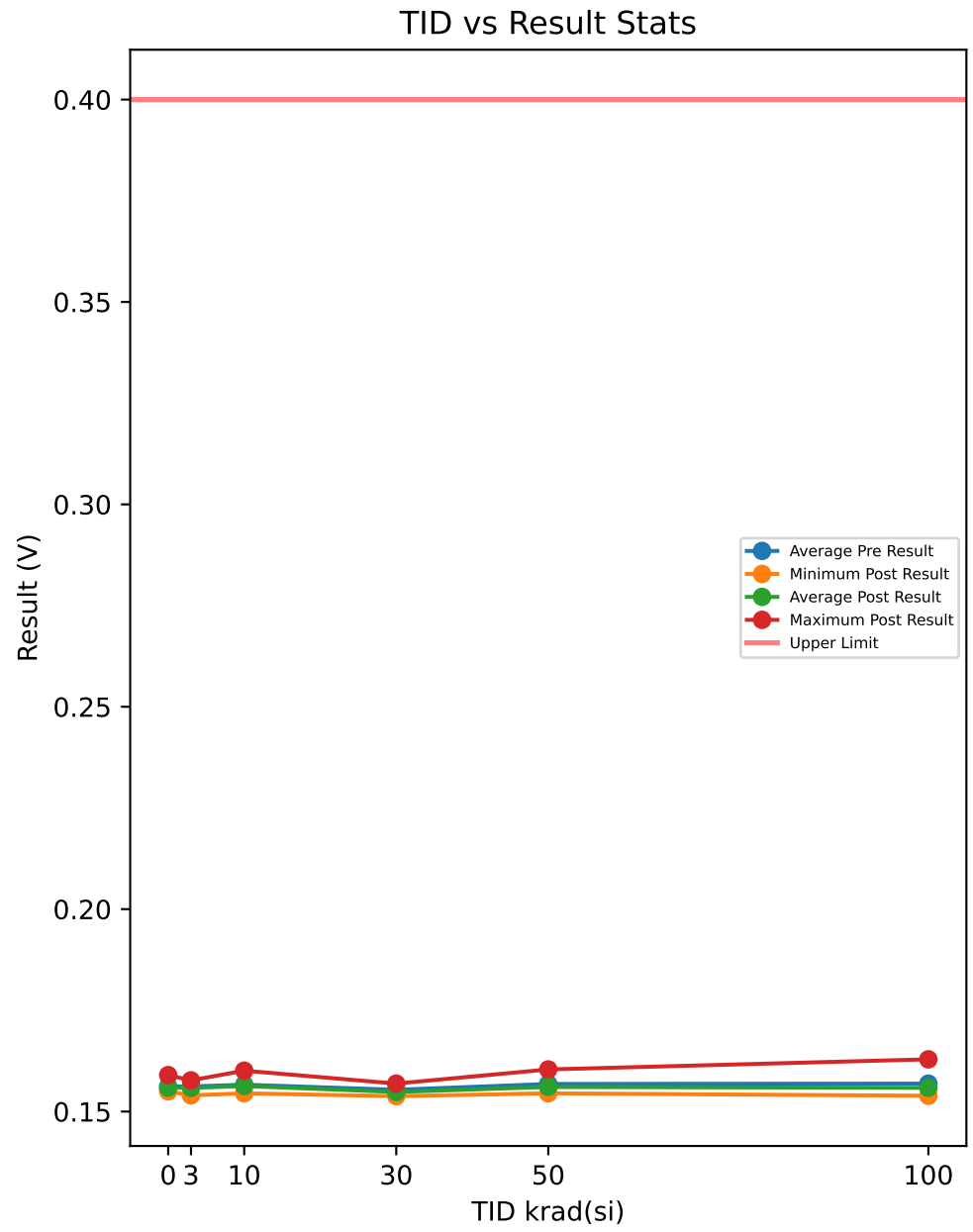
Test Results (Upper Limit = 0.4 (V))

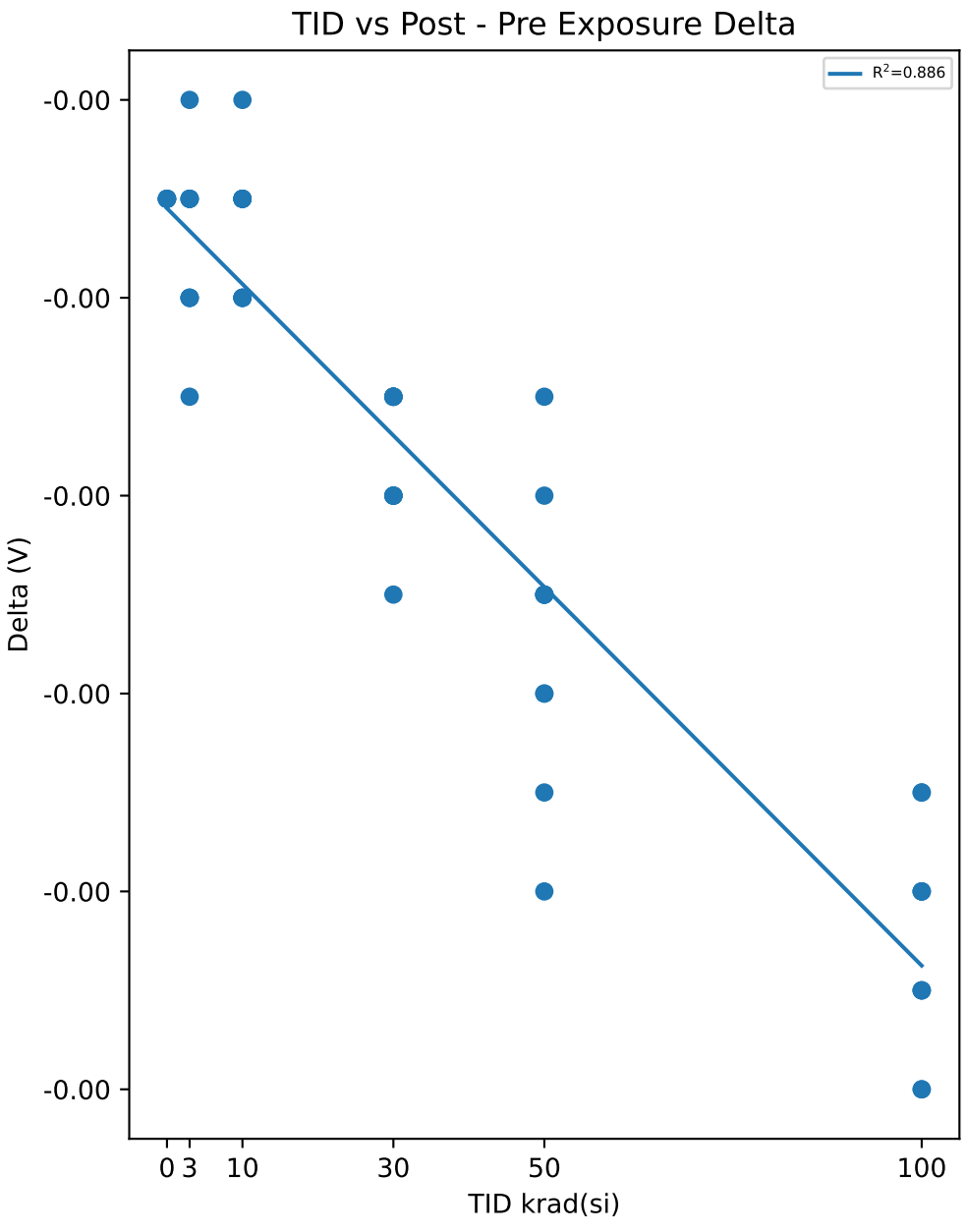
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.1639	0.1632	-0.0007
2	3	Biased	0.1654	0.1647	-0.0007
3	3	Biased	0.1658	0.1651	-0.0007
4	3	Biased	0.1653	0.1647	-0.0006
5	3	Biased	0.163	0.1626	-0.0004
6	3	Unbiased	0.1637	0.1633	-0.0004
7	3	Unbiased	0.1667	0.1661	-0.0006
8	3	Unbiased	0.1632	0.1626	-0.0006
9	3	Unbiased	0.1652	0.1646	-0.0006
10	3	Unbiased	0.1653	0.1648	-0.0005
11	10	Biased	0.1642	0.1635	-0.0007
12	10	Biased	0.1634	0.163	-0.0004
13	10	Biased	0.1641	0.1636	-0.0005
14	10	Biased	0.1634	0.1628	-0.0006
15	10	Biased	0.1644	0.1639	-0.0005
16	10	Unbiased	0.1652	0.1645	-0.0007
17	10	Unbiased	0.1681	0.1675	-0.0006
18	10	Unbiased	0.1663	0.1657	-0.0006
19	10	Unbiased	0.1645	0.1641	-0.0004
20	10	Unbiased	0.1662	0.1658	-0.0004
21	30	Biased	0.1635	0.1628	-0.0007
22	30	Biased	0.1633	0.1626	-0.0007
23	30	Biased	0.1663	0.1657	-0.0006
24	30	Biased	0.1648	0.1641	-0.0007
25	30	Biased	0.1634	0.1623	-0.0011
26	30	Unbiased	0.164	0.1632	-0.0008
27	30	Unbiased	0.1635	0.1628	-0.0007
28	30	Unbiased	0.1634	0.1628	-0.0006
29	30	Unbiased	0.164	0.1633	-0.0007
30	30	Unbiased	0.1639	0.1632	-0.0007
31	50	Biased	0.1667	0.1658	-0.0009
32	50	Biased	0.164	0.1632	-0.0008
33	50	Biased	0.1637	0.1627	-0.001
34	50	Biased	0.1689	0.1682	-0.0007
35	50	Biased	0.1663	0.1654	-0.0009
36	50	Unbiased	0.1647	0.1638	-0.0009
37	50	Unbiased	0.1643	0.1634	-0.0009
38	50	Unbiased	0.164	0.1632	-0.0008
39	50	Unbiased	0.1638	0.1629	-0.0009
40	50	Unbiased	0.1646	0.1637	-0.0009
41	100	Biased	0.1637	0.1624	-0.0013
42	100	Biased	0.1637	0.1625	-0.0012
43	100	Biased	0.1646	0.1634	-0.0012
44	100	Biased	0.1654	0.1641	-0.0013
45	100	Biased	0.1635	0.1622	-0.0013
46	100	Unbiased	0.1652	0.1638	-0.0014
47	100	Unbiased	0.1707	0.1693	-0.0014
48	100	Unbiased	0.1667	0.1654	-0.0013
49	100	Unbiased	0.1636	0.1624	-0.0012
50	100	Unbiased	0.1642	0.1632	-0.001
51	0	Correlation	0.1637	0.1633	-0.0004
52	0	Correlation	0.1685	0.1681	-0.0004
53	0	Correlation	0.1643	0.1638	-0.0005
54	0	Correlation	0.1641	0.1635	-0.0006
55	0	Correlation	0.1638	0.1632	-0.0006

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	0.1637	0.16488	0.1685	0.0020376	0.1632	0.16438	0.1681	0.0020921	-0.0006	-0.0005	-0.0004	0.0001
3	0.163	0.16475	0.1667	0.0012213	0.1626	0.16417	0.1661	0.0011719	-0.0007	-0.00058	-0.0004	0.00011353
10	0.1634	0.16498	0.1681	0.0014891	0.1628	0.16444	0.1675	0.0014744	-0.0007	-0.00054	-0.0004	0.00011738
30	0.1633	0.16401	0.1663	0.00092189	0.1623	0.16328	0.1657	0.0009807	-0.0011	-0.00073	-0.0006	0.00014181
50	0.1637	0.1651	0.1689	0.0016852	0.1627	0.16423	0.1682	0.0017314	-0.001	-0.00087	-0.0007	8.2327e-05
100	0.1635	0.16513	0.1707	0.0022061	0.1622	0.16387	0.1693	0.0021484	-0.0014	-0.00126	-0.001	0.00011738

Device Test: 6.74; VOL_WDO_2MA_OD





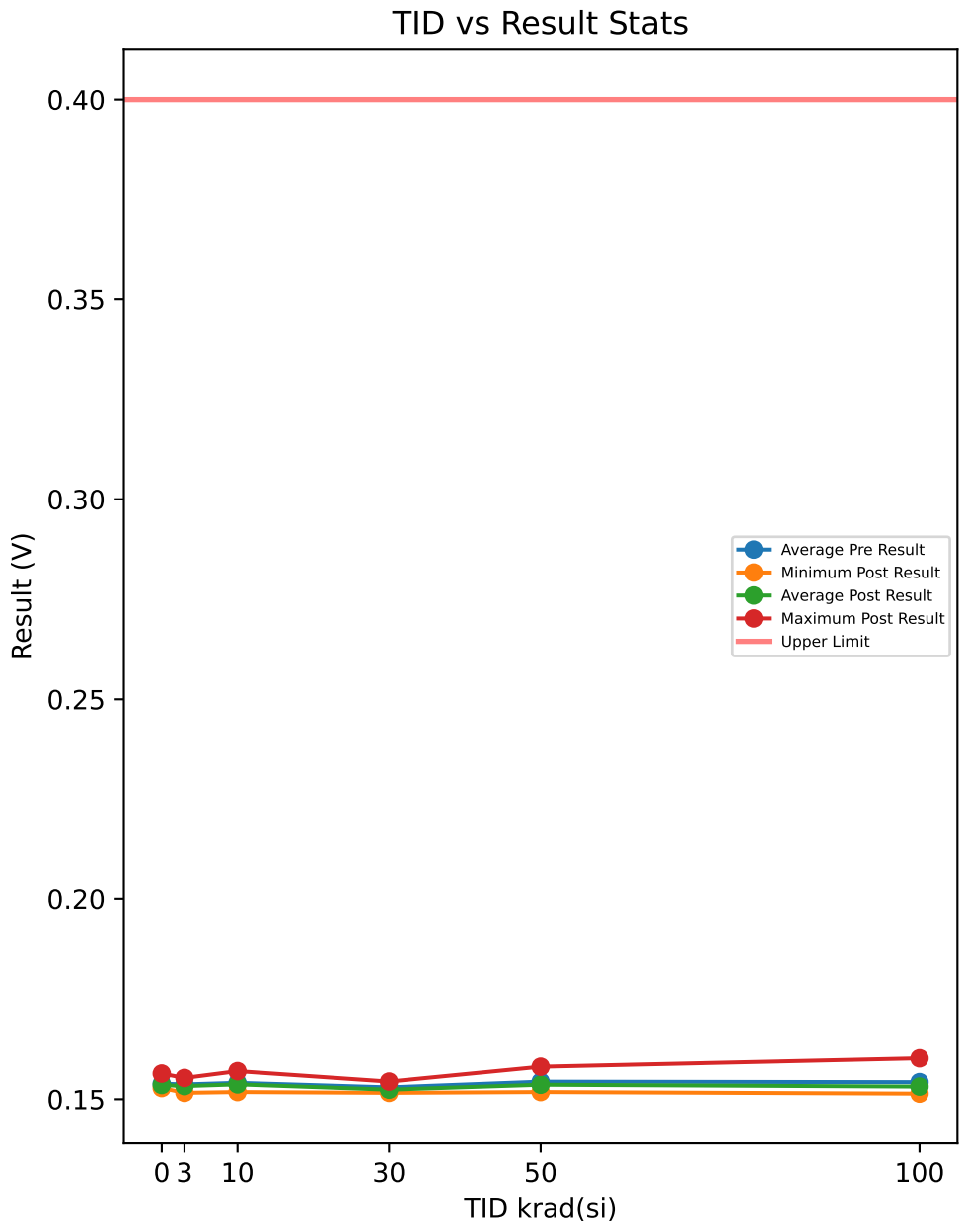
Test Results (Upper Limit = 0.4 (V))

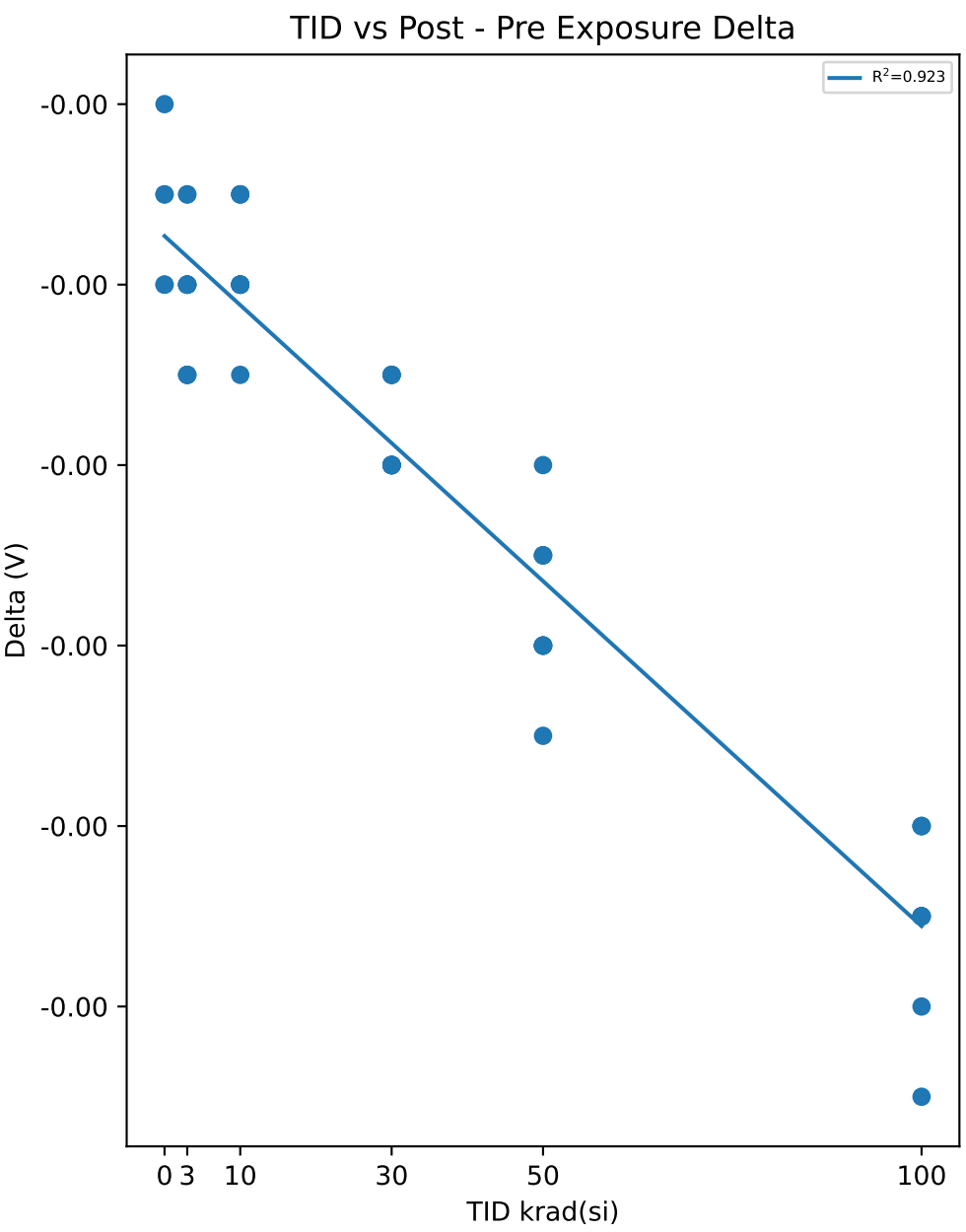
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.155	0.1546	-0.0004
2	3	Biased	0.1563	0.156	-0.0003
3	3	Biased	0.157	0.1566	-0.0004
4	3	Biased	0.1571	0.1568	-0.0003
5	3	Biased	0.1545	0.154	-0.0005
6	3	Unbiased	0.1556	0.1552	-0.0004
7	3	Unbiased	0.1579	0.1577	-0.0002
8	3	Unbiased	0.1548	0.1545	-0.0003
9	3	Unbiased	0.1562	0.1559	-0.0003
10	3	Unbiased	0.1575	0.1571	-0.0004
11	10	Biased	0.1555	0.1551	-0.0004
12	10	Biased	0.1549	0.1545	-0.0004
13	10	Biased	0.1558	0.1555	-0.0003
14	10	Biased	0.155	0.1547	-0.0003
15	10	Biased	0.1559	0.1556	-0.0003
16	10	Unbiased	0.1575	0.1572	-0.0003
17	10	Unbiased	0.1605	0.1601	-0.0004
18	10	Unbiased	0.1571	0.1568	-0.0003
19	10	Unbiased	0.1558	0.1556	-0.0002
20	10	Unbiased	0.1583	0.1579	-0.0004
21	30	Biased	0.1551	0.1546	-0.0005
22	30	Biased	0.1549	0.1544	-0.0005
23	30	Biased	0.1574	0.1569	-0.0005
24	30	Biased	0.1563	0.1557	-0.0006
25	30	Biased	0.1544	0.1538	-0.0006
26	30	Unbiased	0.1559	0.1553	-0.0006
27	30	Unbiased	0.1554	0.1549	-0.0005
28	30	Unbiased	0.1545	0.154	-0.0005
29	30	Unbiased	0.1553	0.1546	-0.0007
30	30	Unbiased	0.1546	0.154	-0.0006
31	50	Biased	0.1595	0.1586	-0.0009
32	50	Biased	0.1554	0.1548	-0.0006
33	50	Biased	0.1557	0.1549	-0.0008
34	50	Biased	0.1609	0.1604	-0.0005
35	50	Biased	0.158	0.1573	-0.0007
36	50	Unbiased	0.1559	0.1552	-0.0007
37	50	Unbiased	0.1558	0.1551	-0.0007
38	50	Unbiased	0.1553	0.1546	-0.0007
39	50	Unbiased	0.1555	0.1545	-0.001
40	50	Unbiased	0.1561	0.1553	-0.0008
41	100	Biased	0.1553	0.1542	-0.0011
42	100	Biased	0.1553	0.1543	-0.001
43	100	Biased	0.1565	0.1555	-0.001
44	100	Biased	0.1568	0.1557	-0.0011
45	100	Biased	0.1552	0.1542	-0.001
46	100	Unbiased	0.157	0.1558	-0.0012
47	100	Unbiased	0.164	0.1629	-0.0011
48	100	Unbiased	0.1585	0.1573	-0.0012
49	100	Unbiased	0.1548	0.1539	-0.0009
50	100	Unbiased	0.1556	0.1547	-0.0009
51	0	Correlation	0.1554	0.1551	-0.0003
52	0	Correlation	0.1593	0.159	-0.0003
53	0	Correlation	0.1554	0.1551	-0.0003
54	0	Correlation	0.1553	0.155	-0.0003
55	0	Correlation	0.1555	0.1552	-0.0003

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	0.1553	0.15618	0.1593	0.0017456	0.155	0.15588	0.159	0.0017456	-0.0003	-0.0003	-0.0003	1.5204e-17
3	0.1545	0.15619	0.1579	0.0011874	0.154	0.15584	0.1577	0.001234	-0.0005	-0.00035	-0.0002	8.4984e-05
10	0.1549	0.15663	0.1605	0.0017506	0.1545	0.1563	0.1601	0.0017295	-0.0004	-0.00033	-0.0002	6.7495e-05
30	0.1544	0.15538	0.1574	0.00093429	0.1538	0.15482	0.1569	0.00094257	-0.0007	-0.00056	-0.0005	6.9921e-05
50	0.1553	0.15681	0.1609	0.0019706	0.1545	0.15607	0.1604	0.0020155	-0.001	-0.00074	-0.0005	0.00014298
100	0.1548	0.1569	0.164	0.0027337	0.1539	0.15585	0.1629	0.0026859	-0.0012	-0.00105	-0.0009	0.00010801

Device Test: 6.75; VOL_PWRGD_2MA_OD





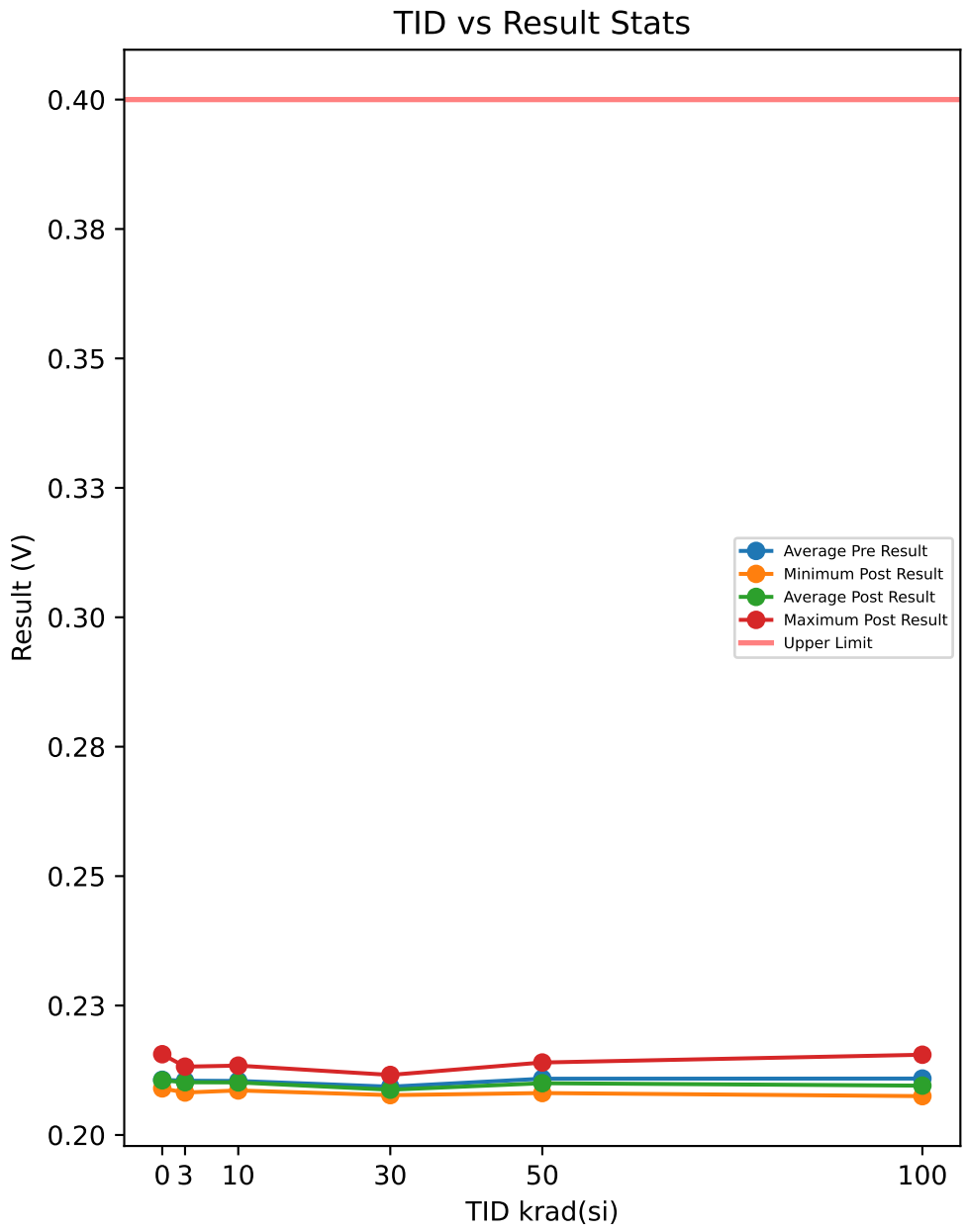
Test Results (Upper Limit = 0.4 (V))

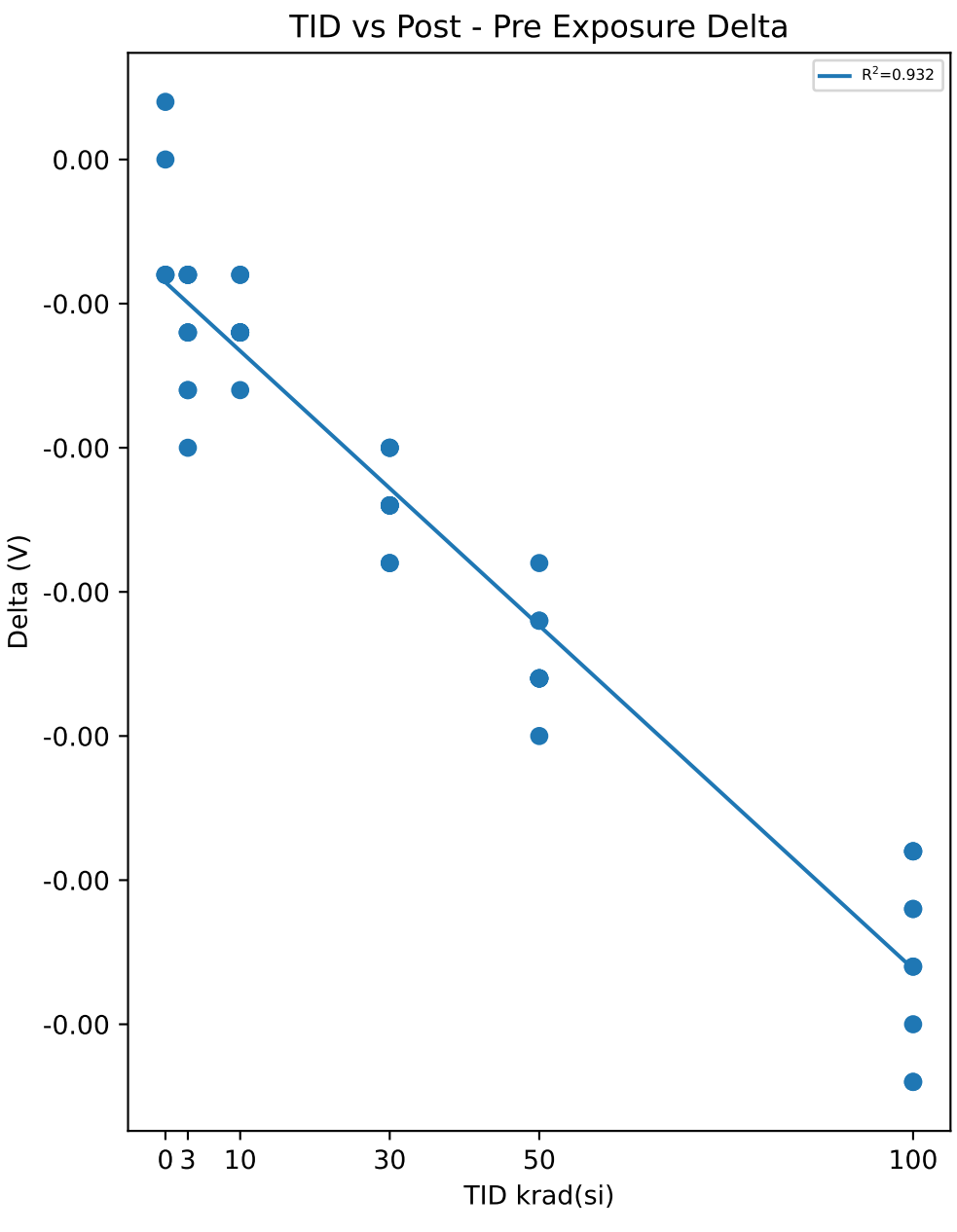
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.1524	0.1519	-0.0005
2	3	Biased	0.1538	0.1533	-0.0005
3	3	Biased	0.1546	0.1541	-0.0005
4	3	Biased	0.1543	0.1539	-0.0004
5	3	Biased	0.152	0.1516	-0.0004
6	3	Unbiased	0.1529	0.1526	-0.0003
7	3	Unbiased	0.1557	0.1553	-0.0004
8	3	Unbiased	0.1526	0.1523	-0.0003
9	3	Unbiased	0.1537	0.1533	-0.0004
10	3	Unbiased	0.1549	0.1545	-0.0004
11	10	Biased	0.1529	0.1525	-0.0004
12	10	Biased	0.1522	0.1518	-0.0004
13	10	Biased	0.1532	0.1528	-0.0004
14	10	Biased	0.1527	0.1523	-0.0004
15	10	Biased	0.1533	0.1529	-0.0004
16	10	Unbiased	0.1548	0.1543	-0.0005
17	10	Unbiased	0.1574	0.157	-0.0004
18	10	Unbiased	0.1548	0.1545	-0.0003
19	10	Unbiased	0.1537	0.1534	-0.0003
20	10	Unbiased	0.1559	0.1556	-0.0003
21	30	Biased	0.1524	0.1519	-0.0005
22	30	Biased	0.1527	0.1521	-0.0006
23	30	Biased	0.155	0.1544	-0.0006
24	30	Biased	0.154	0.1534	-0.0006
25	30	Biased	0.1522	0.1516	-0.0006
26	30	Unbiased	0.1529	0.1523	-0.0006
27	30	Unbiased	0.1526	0.152	-0.0006
28	30	Unbiased	0.1522	0.1517	-0.0005
29	30	Unbiased	0.1531	0.1525	-0.0006
30	30	Unbiased	0.1525	0.152	-0.0005
31	50	Biased	0.157	0.1562	-0.0008
32	50	Biased	0.1525	0.1518	-0.0007
33	50	Biased	0.1533	0.1525	-0.0008
34	50	Biased	0.1588	0.1581	-0.0007
35	50	Biased	0.1553	0.1547	-0.0006
36	50	Unbiased	0.1535	0.1527	-0.0008
37	50	Unbiased	0.1535	0.1528	-0.0007
38	50	Unbiased	0.153	0.1522	-0.0008
39	50	Unbiased	0.1532	0.1523	-0.0009
40	50	Unbiased	0.1537	0.1529	-0.0008
41	100	Biased	0.1527	0.1516	-0.0011
42	100	Biased	0.1528	0.1517	-0.0011
43	100	Biased	0.1534	0.1524	-0.001
44	100	Biased	0.1544	0.1533	-0.0011
45	100	Biased	0.1525	0.1514	-0.0011
46	100	Unbiased	0.1542	0.1529	-0.0013
47	100	Unbiased	0.1614	0.1602	-0.0012
48	100	Unbiased	0.1557	0.1546	-0.0011
49	100	Unbiased	0.1525	0.1515	-0.001
50	100	Unbiased	0.153	0.152	-0.001
51	0	Correlation	0.1532	0.1529	-0.0003
52	0	Correlation	0.1566	0.1564	-0.0002
53	0	Correlation	0.1532	0.1528	-0.0004
54	0	Correlation	0.1531	0.1528	-0.0003
55	0	Correlation	0.1533	0.1529	-0.0004

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	0.1531	0.15388	0.1566	0.0015222	0.1528	0.15356	0.1564	0.0015884	-0.0004	-0.00032	-0.0002	8.3666e-05
3	0.152	0.15369	0.1557	0.0012041	0.1516	0.15328	0.1553	0.0011915	-0.0005	-0.00041	-0.0003	7.3786e-05
10	0.1522	0.15409	0.1574	0.0016237	0.1518	0.15371	0.157	0.0016347	-0.0005	-0.00038	-0.0003	6.3246e-05
30	0.1522	0.15296	0.155	0.00089094	0.1516	0.15239	0.1544	0.0008698	-0.0006	-0.00057	-0.0005	4.8305e-05
50	0.1525	0.15438	0.1588	0.0020346	0.1518	0.15362	0.1581	0.0020617	-0.0009	-0.00076	-0.0006	8.4327e-05
100	0.1525	0.15426	0.1614	0.0027114	0.1514	0.15316	0.1602	0.002668	-0.0013	-0.0011	-0.001	9.4281e-05

Device Test: 6.76; VOL_RESET_2MA_OD





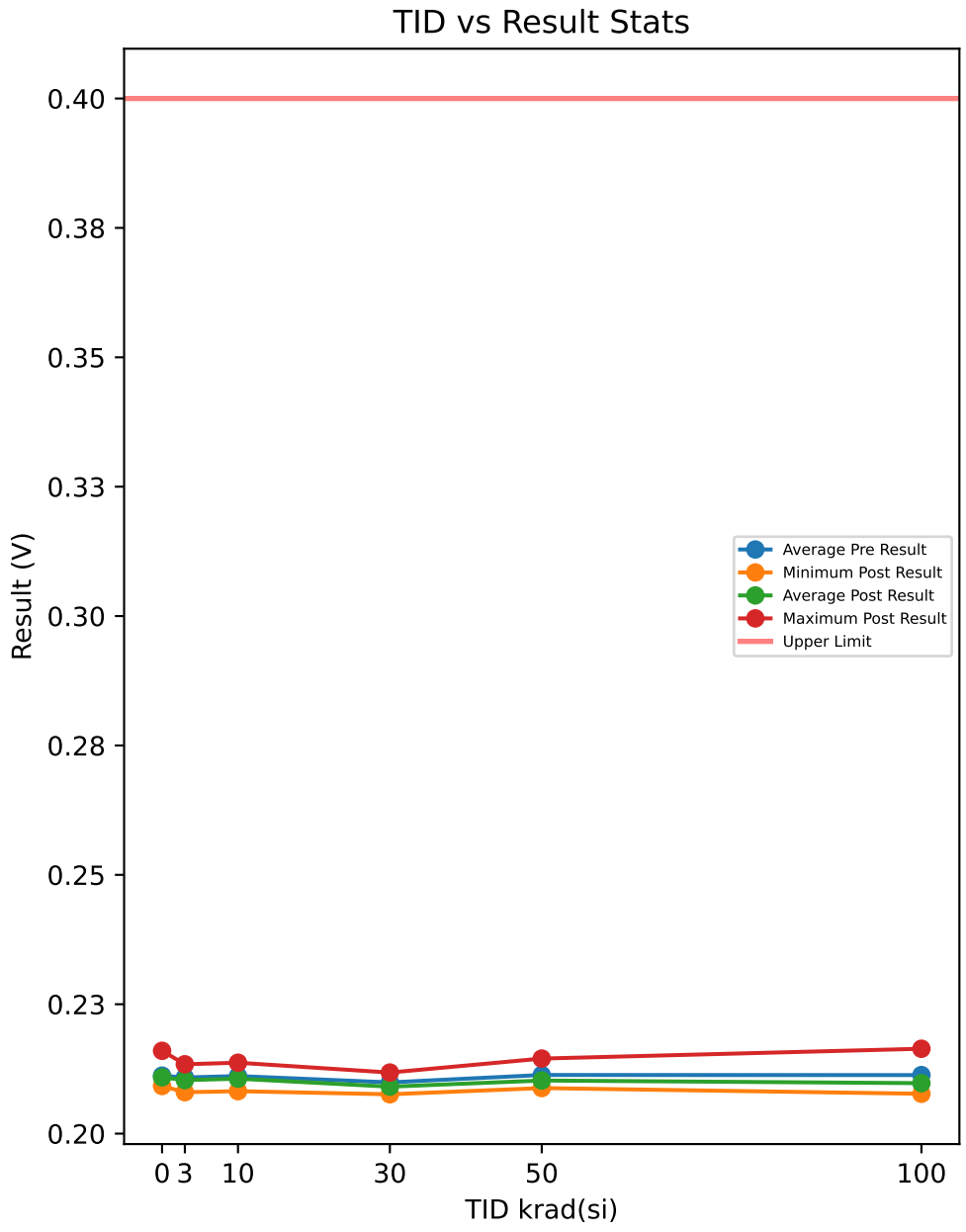
Test Results (Upper Limit = 0.4 (V))

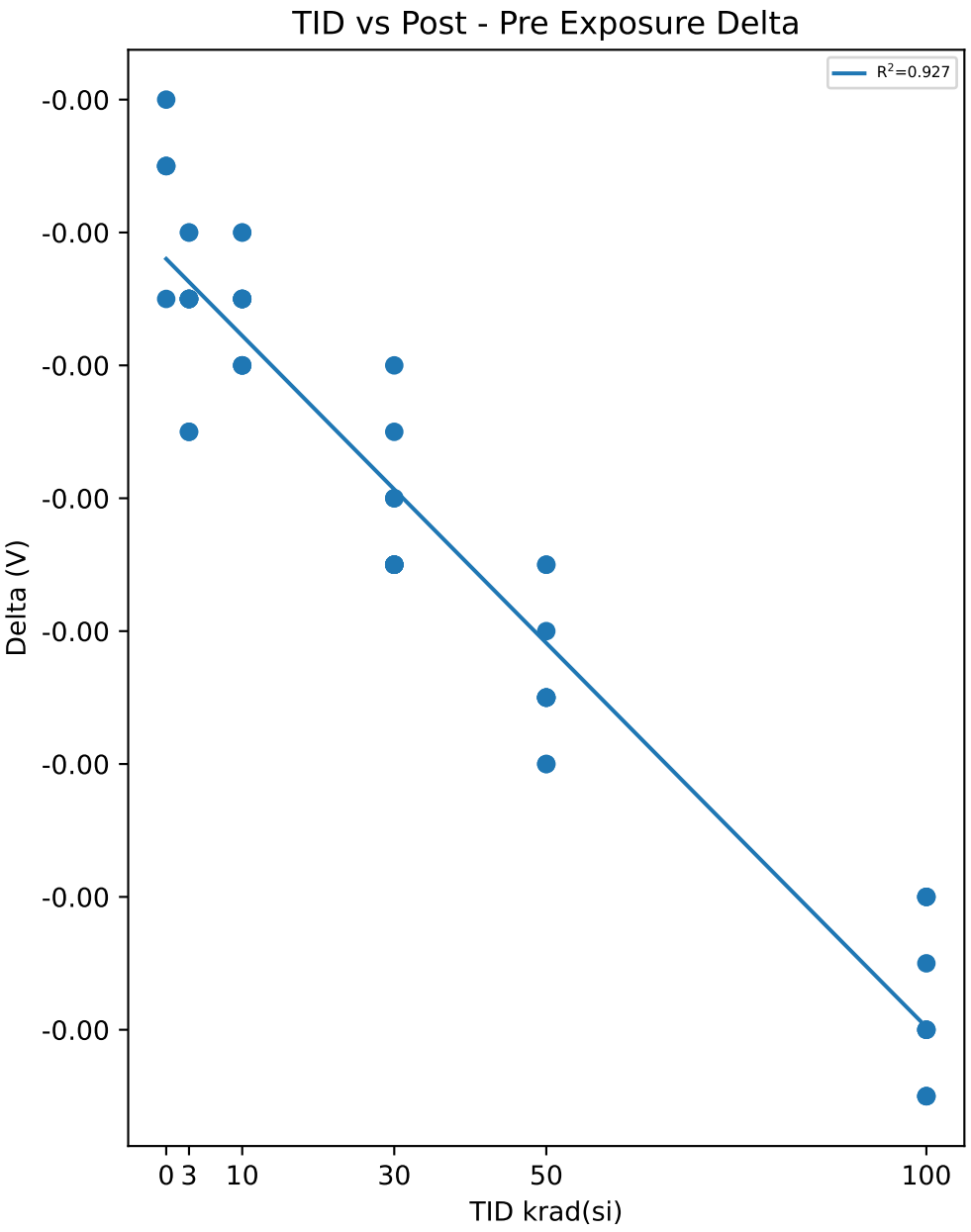
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.209	0.2086	-0.0004
2	3	Biased	0.2122	0.2117	-0.0005
3	3	Biased	0.2119	0.2115	-0.0004
4	3	Biased	0.2106	0.2104	-0.0002
5	3	Biased	0.2084	0.2082	-0.0002
6	3	Unbiased	0.2092	0.209	-0.0002
7	3	Unbiased	0.2134	0.2132	-0.0002
8	3	Unbiased	0.2088	0.2085	-0.0003
9	3	Unbiased	0.2106	0.2103	-0.0003
10	3	Unbiased	0.2107	0.2104	-0.0003
11	10	Biased	0.2091	0.2088	-0.0003
12	10	Biased	0.2089	0.2086	-0.0003
13	10	Biased	0.2099	0.2096	-0.0003
14	10	Biased	0.2091	0.2087	-0.0004
15	10	Biased	0.2098	0.2095	-0.0003
16	10	Unbiased	0.2109	0.2106	-0.0003
17	10	Unbiased	0.2137	0.2134	-0.0003
18	10	Unbiased	0.2118	0.2115	-0.0003
19	10	Unbiased	0.2096	0.2094	-0.0002
20	10	Unbiased	0.2116	0.2114	-0.0002
21	30	Biased	0.2087	0.2082	-0.0005
22	30	Biased	0.2086	0.208	-0.0006
23	30	Biased	0.2122	0.2116	-0.0006
24	30	Biased	0.2098	0.2092	-0.0006
25	30	Biased	0.2085	0.2079	-0.0006
26	30	Unbiased	0.2096	0.2091	-0.0005
27	30	Unbiased	0.2094	0.2088	-0.0006
28	30	Unbiased	0.2082	0.2077	-0.0005
29	30	Unbiased	0.2098	0.2091	-0.0007
30	30	Unbiased	0.2085	0.2078	-0.0007
31	50	Biased	0.2135	0.2126	-0.0009
32	50	Biased	0.2094	0.2085	-0.0009
33	50	Biased	0.2102	0.2093	-0.0009
34	50	Biased	0.2147	0.214	-0.0007
35	50	Biased	0.2117	0.2109	-0.0008
36	50	Unbiased	0.21	0.2091	-0.0009
37	50	Unbiased	0.2102	0.2093	-0.0009
38	50	Unbiased	0.2094	0.2086	-0.0008
39	50	Unbiased	0.2091	0.2081	-0.001
40	50	Unbiased	0.2105	0.2096	-0.0009
41	100	Biased	0.2094	0.2081	-0.0013
42	100	Biased	0.2089	0.2076	-0.0013
43	100	Biased	0.2104	0.2092	-0.0012
44	100	Biased	0.2109	0.2095	-0.0014
45	100	Biased	0.2095	0.208	-0.0015
46	100	Unbiased	0.2118	0.2102	-0.0016
47	100	Unbiased	0.2171	0.2155	-0.0016
48	100	Unbiased	0.2127	0.2113	-0.0014
49	100	Unbiased	0.2087	0.2075	-0.0012
50	100	Unbiased	0.2096	0.2084	-0.0012
51	0	Correlation	0.2091	0.2092	0.0001
52	0	Correlation	0.2156	0.2156	0
53	0	Correlation	0.2097	0.2095	-0.0002
54	0	Correlation	0.2092	0.209	-0.0002
55	0	Correlation	0.2097	0.2095	-0.0002

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	0.2091	0.21066	0.2156	0.0027754	0.209	0.21056	0.2156	0.0028254	-0.0002	-0.0001	0.0001	0.00014142
3	0.2084	0.21048	0.2134	0.0016518	0.2082	0.21018	0.2132	0.0016301	-0.0005	-0.0003	-0.0002	0.00010541
10	0.2089	0.21044	0.2137	0.0015421	0.2086	0.21015	0.2134	0.0015551	-0.0004	-0.00029	-0.0002	5.6765e-05
30	0.2082	0.20933	0.2122	0.001171	0.2077	0.20874	0.2116	0.0011626	-0.0007	-0.00059	-0.0005	7.3786e-05
50	0.2091	0.21087	0.2147	0.0018715	0.2081	0.21	0.214	0.0019247	-0.001	-0.00087	-0.0007	8.2327e-05
100	0.2087	0.2109	0.2171	0.0025272	0.2075	0.20953	0.2155	0.0024231	-0.0016	-0.00137	-0.0012	0.0001567

Device Test: 6.77; VOL_RESET_2MA_OD





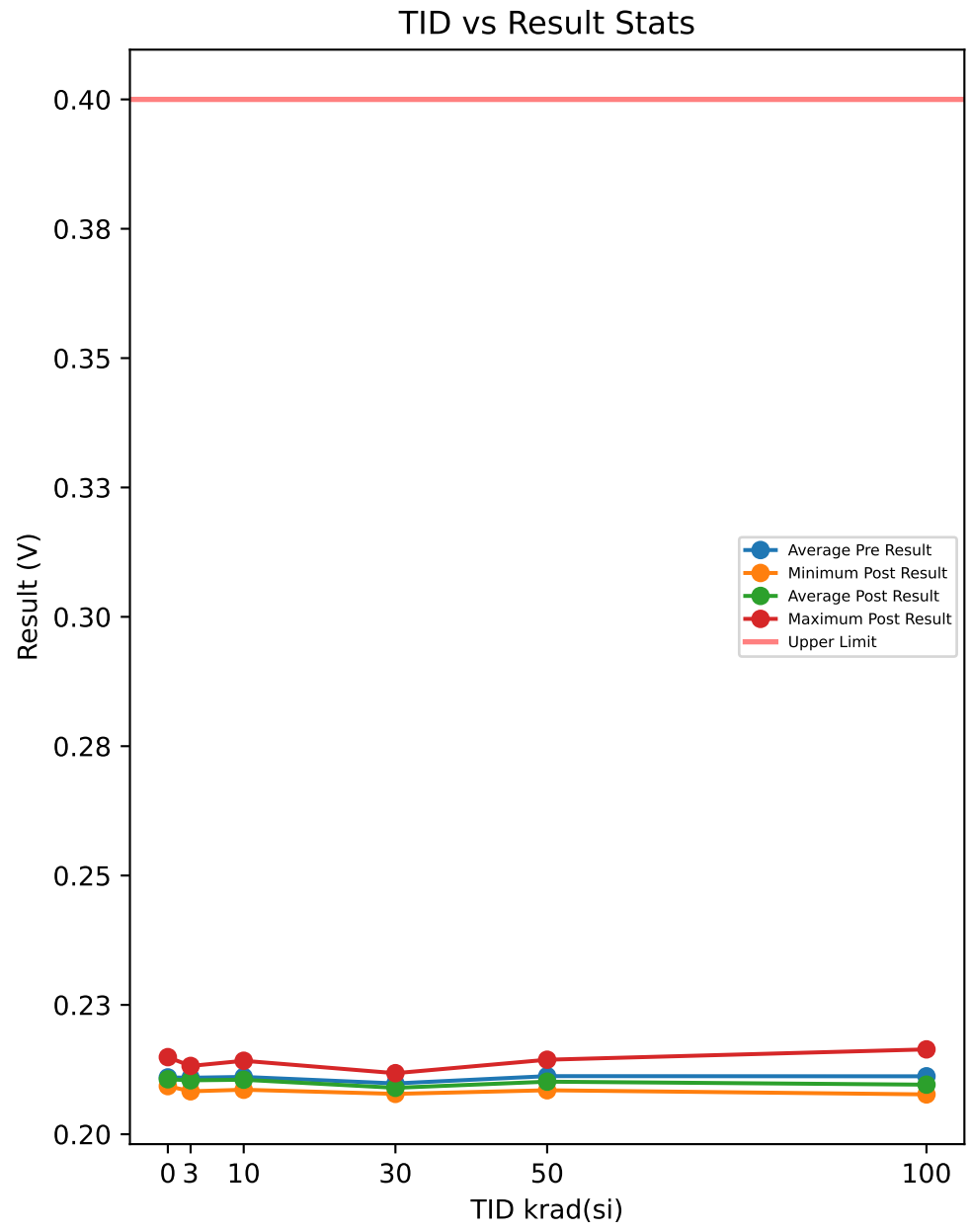
Test Results (Upper Limit = 0.4 (V))

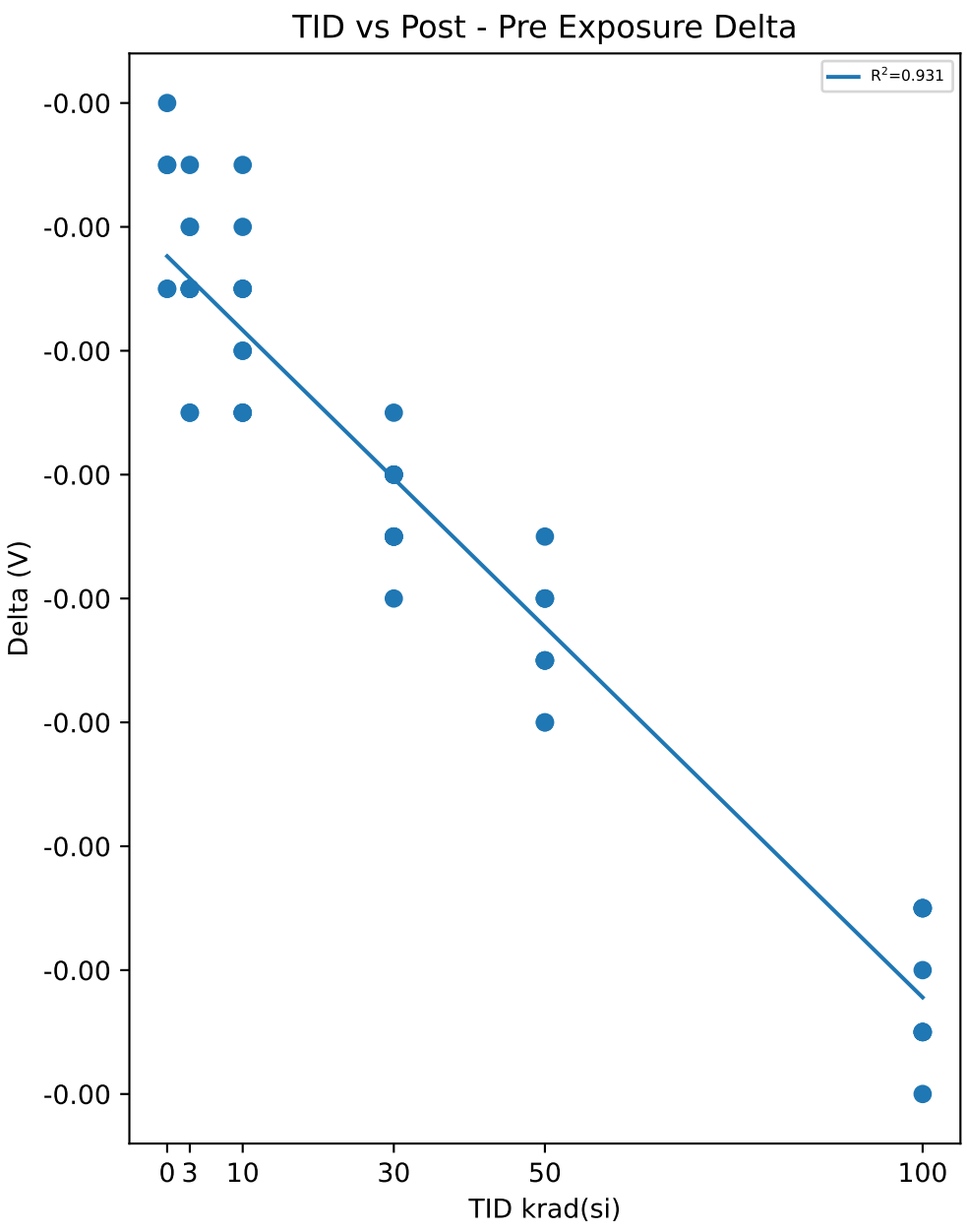
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2091	0.2084	-0.0007
2	3	Biased	0.2115	0.211	-0.0005
3	3	Biased	0.2125	0.2118	-0.0007
4	3	Biased	0.2117	0.2112	-0.0005
5	3	Biased	0.2085	0.208	-0.0005
6	3	Unbiased	0.2099	0.2094	-0.0005
7	3	Unbiased	0.2139	0.2134	-0.0005
8	3	Unbiased	0.2098	0.2094	-0.0004
9	3	Unbiased	0.2102	0.2097	-0.0005
10	3	Unbiased	0.2114	0.211	-0.0004
11	10	Biased	0.2098	0.2092	-0.0006
12	10	Biased	0.2088	0.2082	-0.0006
13	10	Biased	0.2111	0.2106	-0.0005
14	10	Biased	0.2098	0.2092	-0.0006
15	10	Biased	0.2105	0.21	-0.0005
16	10	Unbiased	0.2118	0.2113	-0.0005
17	10	Unbiased	0.2142	0.2137	-0.0005
18	10	Unbiased	0.2126	0.2122	-0.0004
19	10	Unbiased	0.2104	0.21	-0.0004
20	10	Unbiased	0.2122	0.2117	-0.0005
21	30	Biased	0.2092	0.2086	-0.0006
22	30	Biased	0.2095	0.2087	-0.0008
23	30	Biased	0.2127	0.2118	-0.0009
24	30	Biased	0.2109	0.21	-0.0009
25	30	Biased	0.2085	0.2076	-0.0009
26	30	Unbiased	0.2101	0.2093	-0.0008
27	30	Unbiased	0.21	0.2091	-0.0009
28	30	Unbiased	0.2091	0.2084	-0.0007
29	30	Unbiased	0.21	0.2091	-0.0009
30	30	Unbiased	0.209	0.2081	-0.0009
31	50	Biased	0.2134	0.2123	-0.0011
32	50	Biased	0.2104	0.2093	-0.0011
33	50	Biased	0.2103	0.2092	-0.0011
34	50	Biased	0.2154	0.2145	-0.0009
35	50	Biased	0.2123	0.2114	-0.0009
36	50	Unbiased	0.2108	0.2096	-0.0012
37	50	Unbiased	0.2104	0.2093	-0.0011
38	50	Unbiased	0.2099	0.2088	-0.0011
39	50	Unbiased	0.2102	0.209	-0.0012
40	50	Unbiased	0.2102	0.2092	-0.001
41	100	Biased	0.2096	0.208	-0.0016
42	100	Biased	0.2096	0.208	-0.0016
43	100	Biased	0.2104	0.209	-0.0014
44	100	Biased	0.2117	0.21	-0.0017
45	100	Biased	0.2099	0.2083	-0.0016
46	100	Unbiased	0.2117	0.21	-0.0017
47	100	Unbiased	0.2179	0.2164	-0.0015
48	100	Unbiased	0.2135	0.2118	-0.0017
49	100	Unbiased	0.2091	0.2077	-0.0014
50	100	Unbiased	0.2097	0.2083	-0.0014
51	0	Correlation	0.2098	0.2096	-0.0002
52	0	Correlation	0.2163	0.216	-0.0003
53	0	Correlation	0.2095	0.2092	-0.0003
54	0	Correlation	0.2106	0.2101	-0.0005
55	0	Correlation	0.2098	0.2095	-0.0003

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	0.2095	0.2112	0.2163	0.0028801	0.2092	0.21088	0.216	0.0028805	-0.0005	-0.00032	-0.0002	0.00010954
3	0.2085	0.21085	0.2139	0.0016494	0.208	0.21033	0.2134	0.0016506	-0.0007	-0.00052	-0.0004	0.00010328
10	0.2088	0.21112	0.2142	0.0016012	0.2082	0.21061	0.2137	0.0016421	-0.0006	-0.00051	-0.0004	7.3786e-05
30	0.2085	0.2099	0.2127	0.0012	0.2076	0.20907	0.2118	0.0011681	-0.0009	-0.00083	-0.0006	0.00010593
50	0.2099	0.21133	0.2154	0.0018093	0.2088	0.21026	0.2145	0.0018763	-0.0012	-0.00107	-0.0009	0.00010593
100	0.2091	0.21131	0.2179	0.0026806	0.2077	0.20975	0.2164	0.0026593	-0.0017	-0.00156	-0.0014	0.00012649

Device Test: 6.78; VOL_RESET_2MA_OD





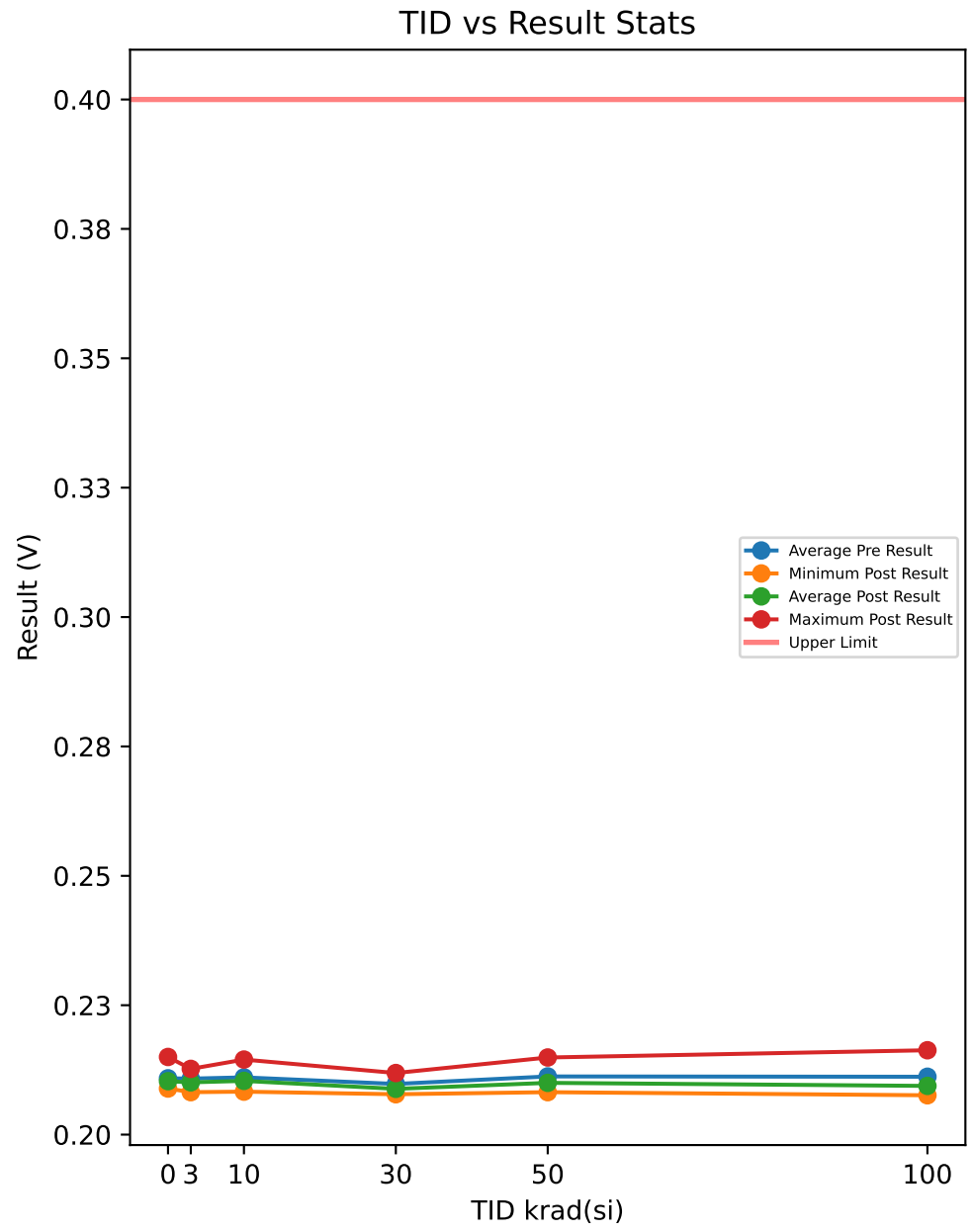
Test Results (Upper Limit = 0.4 (V))

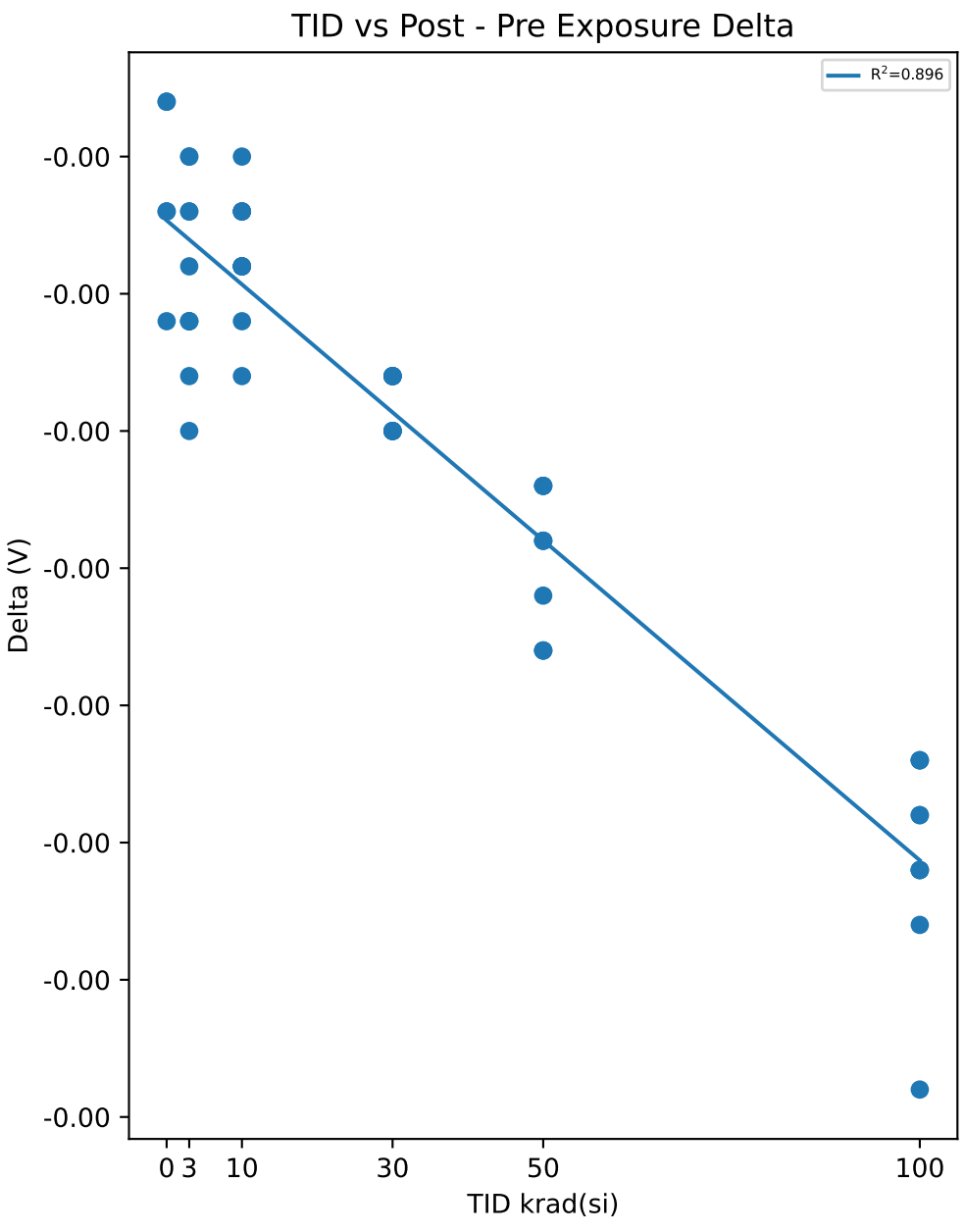
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.209	0.2083	-0.0007
2	3	Biased	0.2114	0.2107	-0.0007
3	3	Biased	0.2123	0.2118	-0.0005
4	3	Biased	0.2112	0.2107	-0.0005
5	3	Biased	0.2096	0.2092	-0.0004
6	3	Unbiased	0.2104	0.2101	-0.0003
7	3	Unbiased	0.2137	0.2132	-0.0005
8	3	Unbiased	0.209	0.2086	-0.0004
9	3	Unbiased	0.2113	0.2108	-0.0005
10	3	Unbiased	0.2113	0.2108	-0.0005
11	10	Biased	0.2093	0.2086	-0.0007
12	10	Biased	0.2093	0.2087	-0.0006
13	10	Biased	0.2109	0.2104	-0.0005
14	10	Biased	0.2096	0.2089	-0.0007
15	10	Biased	0.2104	0.2099	-0.0005
16	10	Unbiased	0.2114	0.2107	-0.0007
17	10	Unbiased	0.2146	0.2142	-0.0004
18	10	Unbiased	0.2125	0.2119	-0.0006
19	10	Unbiased	0.2103	0.2098	-0.0005
20	10	Unbiased	0.2125	0.2122	-0.0003
21	30	Biased	0.2098	0.2091	-0.0007
22	30	Biased	0.2094	0.2086	-0.0008
23	30	Biased	0.2126	0.2118	-0.0008
24	30	Biased	0.2108	0.2099	-0.0009
25	30	Biased	0.2086	0.2078	-0.0008
26	30	Unbiased	0.2097	0.2088	-0.0009
27	30	Unbiased	0.2093	0.2083	-0.001
28	30	Unbiased	0.2087	0.2079	-0.0008
29	30	Unbiased	0.2099	0.209	-0.0009
30	30	Unbiased	0.2094	0.2085	-0.0009
31	50	Biased	0.2135	0.2125	-0.001
32	50	Biased	0.21	0.2091	-0.0009
33	50	Biased	0.2099	0.2088	-0.0011
34	50	Biased	0.2154	0.2144	-0.001
35	50	Biased	0.212	0.211	-0.001
36	50	Unbiased	0.2106	0.2095	-0.0011
37	50	Unbiased	0.2104	0.2093	-0.0011
38	50	Unbiased	0.2096	0.2085	-0.0011
39	50	Unbiased	0.2107	0.2095	-0.0012
40	50	Unbiased	0.2102	0.209	-0.0012
41	100	Biased	0.2092	0.2077	-0.0015
42	100	Biased	0.2095	0.2078	-0.0017
43	100	Biased	0.2106	0.2091	-0.0015
44	100	Biased	0.2114	0.2097	-0.0017
45	100	Biased	0.2099	0.2082	-0.0017
46	100	Unbiased	0.2115	0.2097	-0.0018
47	100	Unbiased	0.2181	0.2164	-0.0017
48	100	Unbiased	0.2132	0.2116	-0.0016
49	100	Unbiased	0.2093	0.2078	-0.0015
50	100	Unbiased	0.2093	0.2078	-0.0015
51	0	Correlation	0.2097	0.2094	-0.0003
52	0	Correlation	0.2151	0.2149	-0.0002
53	0	Correlation	0.21	0.2097	-0.0003
54	0	Correlation	0.2103	0.2098	-0.0005
55	0	Correlation	0.2098	0.2093	-0.0005

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	0.2097	0.21098	0.2151	0.0023145	0.2093	0.21062	0.2149	0.0024015	-0.0005	-0.00036	-0.0002	0.00013416
3	0.209	0.21092	0.2137	0.0014763	0.2083	0.21042	0.2132	0.0014711	-0.0007	-0.0005	-0.0003	0.00012472
10	0.2093	0.21108	0.2146	0.0017048	0.2086	0.21053	0.2142	0.0017901	-0.0007	-0.00055	-0.0003	0.0001354
30	0.2086	0.20982	0.2126	0.0011584	0.2078	0.20897	0.2118	0.0011662	-0.001	-0.00085	-0.0007	8.4984e-05
50	0.2096	0.21123	0.2154	0.0018709	0.2085	0.21016	0.2144	0.0019103	-0.0012	-0.00107	-0.0009	9.4868e-05
100	0.2092	0.2112	0.2181	0.0027467	0.2077	0.20958	0.2164	0.0027038	-0.0018	-0.00162	-0.0015	0.00011353

Device Test: 6.79; VOL_RESET_2MA_OD





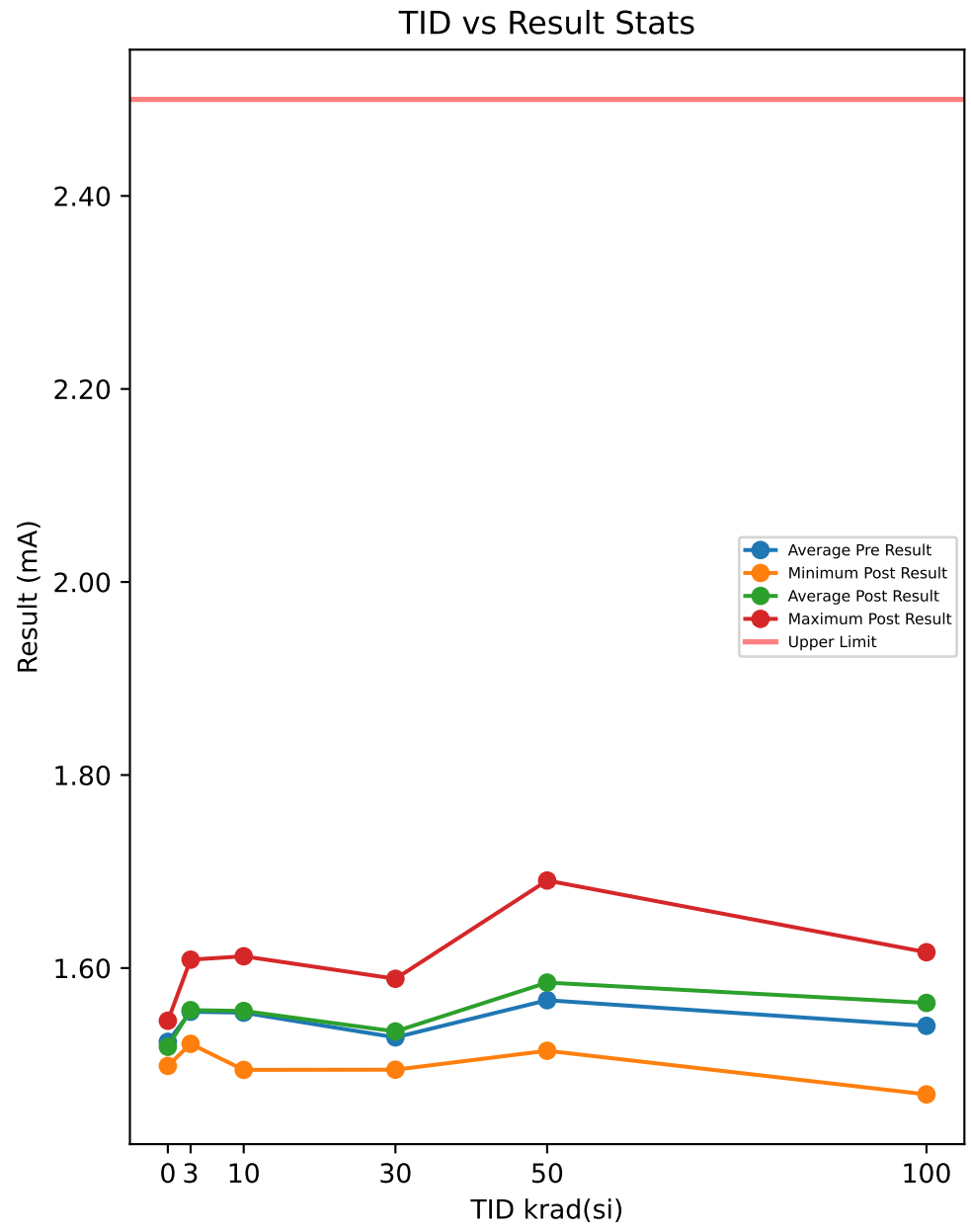
Test Results (Upper Limit = 0.4 (V))

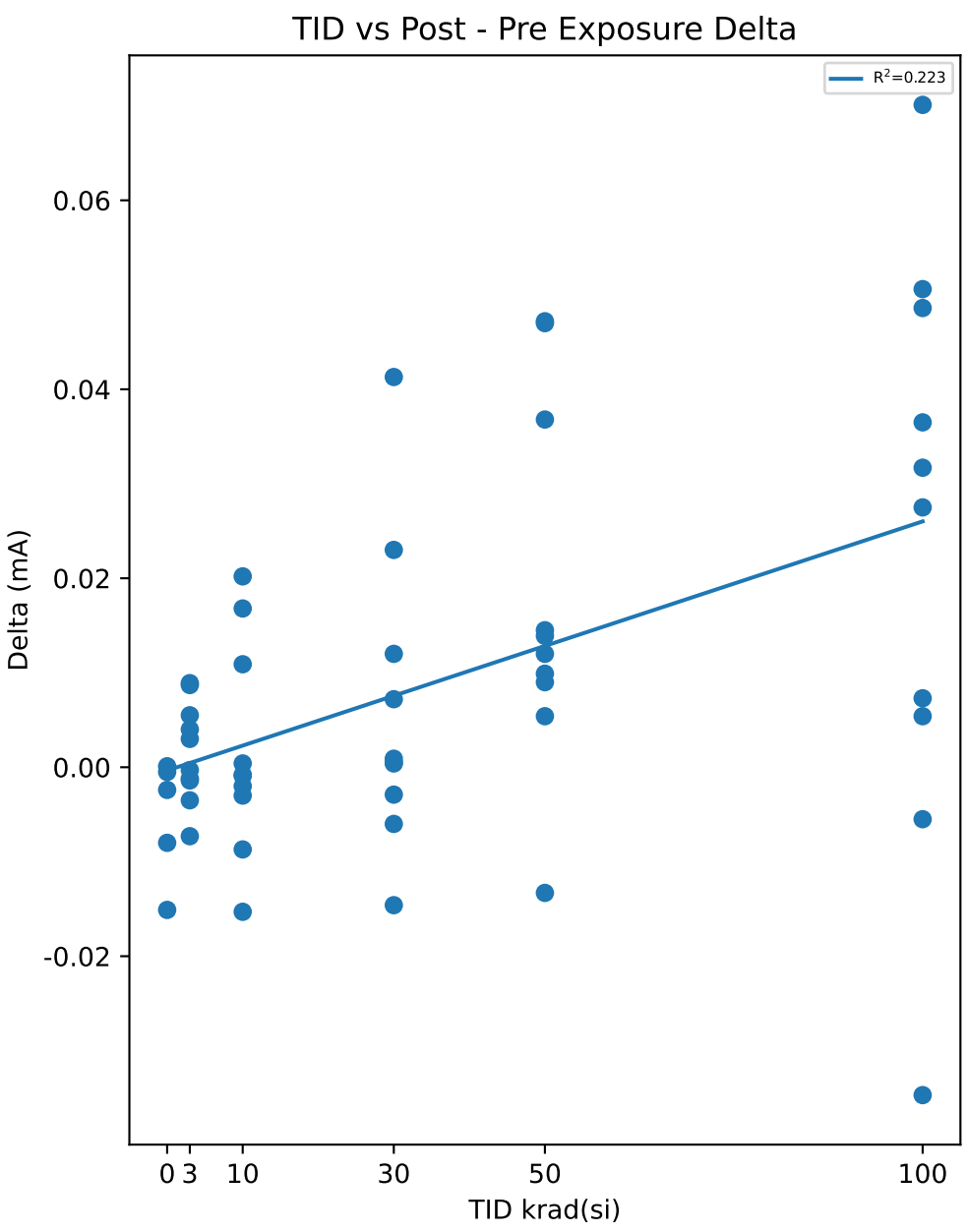
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2097	0.2087	-0.001
2	3	Biased	0.2118	0.211	-0.0008
3	3	Biased	0.2121	0.2112	-0.0009
4	3	Biased	0.2114	0.2106	-0.0008
5	3	Biased	0.2089	0.2082	-0.0007
6	3	Unbiased	0.2096	0.2088	-0.0008
7	3	Unbiased	0.2132	0.2127	-0.0005
8	3	Unbiased	0.2089	0.2083	-0.0006
9	3	Unbiased	0.2111	0.2106	-0.0005
10	3	Unbiased	0.2115	0.2109	-0.0006
11	10	Biased	0.21	0.2093	-0.0007
12	10	Biased	0.2092	0.2084	-0.0008
13	10	Biased	0.21	0.2093	-0.0007
14	10	Biased	0.2092	0.2083	-0.0009
15	10	Biased	0.2103	0.2096	-0.0007
16	10	Unbiased	0.2114	0.2108	-0.0006
17	10	Unbiased	0.215	0.2145	-0.0005
18	10	Unbiased	0.2127	0.212	-0.0007
19	10	Unbiased	0.2104	0.2098	-0.0006
20	10	Unbiased	0.2124	0.2118	-0.0006
21	30	Biased	0.2093	0.2083	-0.001
22	30	Biased	0.2089	0.208	-0.0009
23	30	Biased	0.2128	0.2119	-0.0009
24	30	Biased	0.2108	0.2098	-0.001
25	30	Biased	0.2088	0.2078	-0.001
26	30	Unbiased	0.2097	0.2088	-0.0009
27	30	Unbiased	0.2091	0.2082	-0.0009
28	30	Unbiased	0.2089	0.208	-0.0009
29	30	Unbiased	0.21	0.209	-0.001
30	30	Unbiased	0.2096	0.2086	-0.001
31	50	Biased	0.2132	0.2121	-0.0011
32	50	Biased	0.21	0.2088	-0.0012
33	50	Biased	0.2093	0.2082	-0.0011
34	50	Biased	0.216	0.2149	-0.0011
35	50	Biased	0.2126	0.2114	-0.0012
36	50	Unbiased	0.2108	0.2094	-0.0014
37	50	Unbiased	0.2104	0.209	-0.0014
38	50	Unbiased	0.2099	0.2086	-0.0013
39	50	Unbiased	0.2097	0.2083	-0.0014
40	50	Unbiased	0.2105	0.2093	-0.0012
41	100	Biased	0.2095	0.2078	-0.0017
42	100	Biased	0.2093	0.2076	-0.0017
43	100	Biased	0.2103	0.2087	-0.0016
44	100	Biased	0.2115	0.2097	-0.0018
45	100	Biased	0.2094	0.2076	-0.0018
46	100	Unbiased	0.2113	0.2091	-0.0022
47	100	Unbiased	0.2181	0.2163	-0.0018
48	100	Unbiased	0.2131	0.2112	-0.0019
49	100	Unbiased	0.2092	0.2076	-0.0016
50	100	Unbiased	0.2101	0.2085	-0.0016
51	0	Correlation	0.2093	0.2089	-0.0004
52	0	Correlation	0.2154	0.215	-0.0004
53	0	Correlation	0.2099	0.2093	-0.0006
54	0	Correlation	0.2102	0.2094	-0.0008
55	0	Correlation	0.2096	0.209	-0.0006

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	0.2093	0.21088	0.2154	0.0025489	0.2089	0.21032	0.215	0.0026243	-0.0008	-0.00056	-0.0004	0.00016733
3	0.2089	0.21082	0.2132	0.0014627	0.2082	0.2101	0.2127	0.0015063	-0.001	-0.00072	-0.0005	0.00016865
10	0.2092	0.21106	0.215	0.001835	0.2083	0.21038	0.2145	0.001924	-0.0009	-0.00068	-0.0005	0.00011353
30	0.2088	0.20979	0.2128	0.0012224	0.2078	0.20884	0.2119	0.0012276	-0.001	-0.00095	-0.0009	5.2705e-05
50	0.2093	0.21124	0.216	0.0020887	0.2082	0.21	0.2149	0.0021541	-0.0014	-0.00124	-0.0011	0.00012649
100	0.2092	0.21118	0.2181	0.00273	0.2076	0.20941	0.2163	0.0026793	-0.0022	-0.00177	-0.0016	0.00018288

Device Test: 6.8; IQ





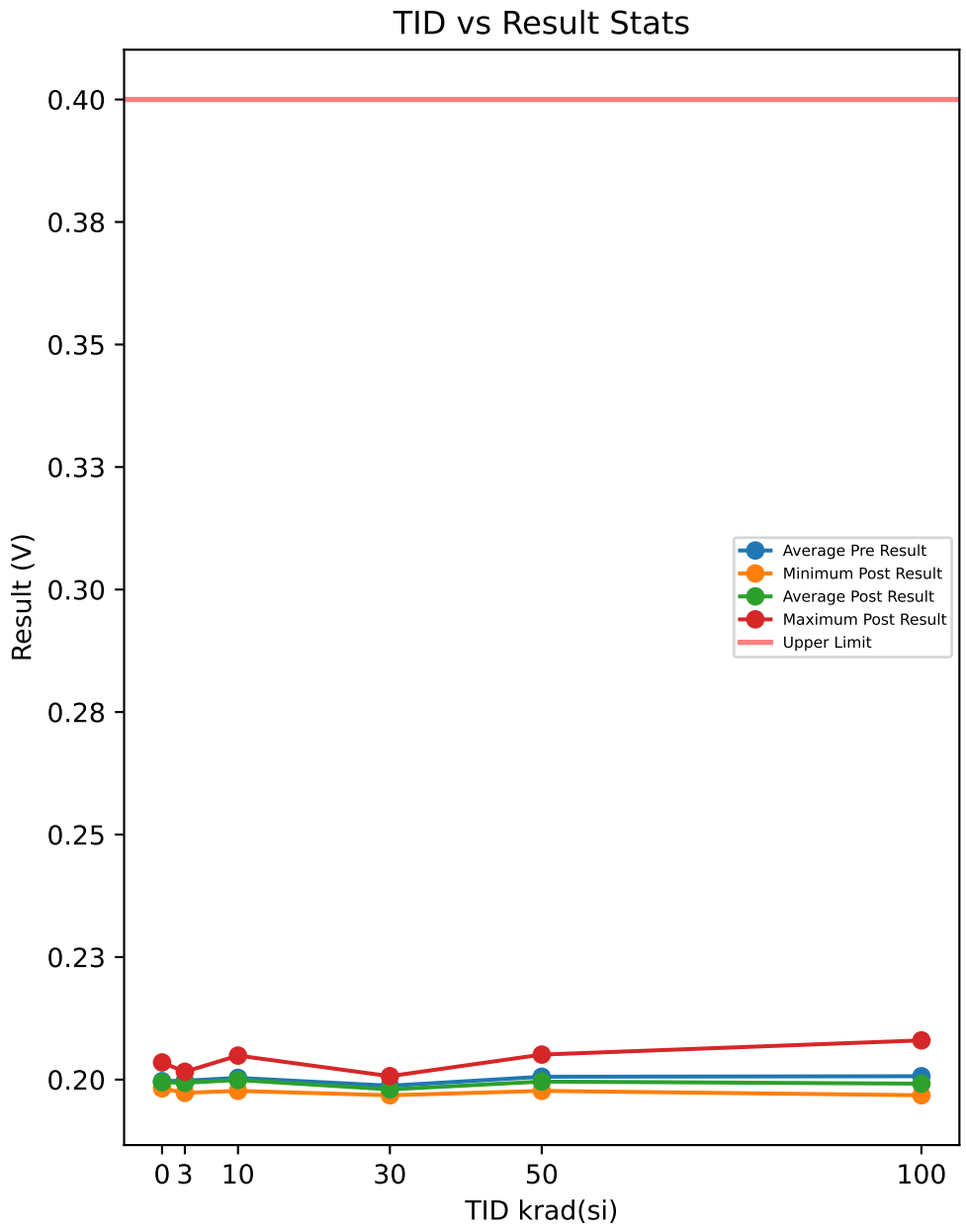
Test Results (Upper Limit = 2.5 (mA))

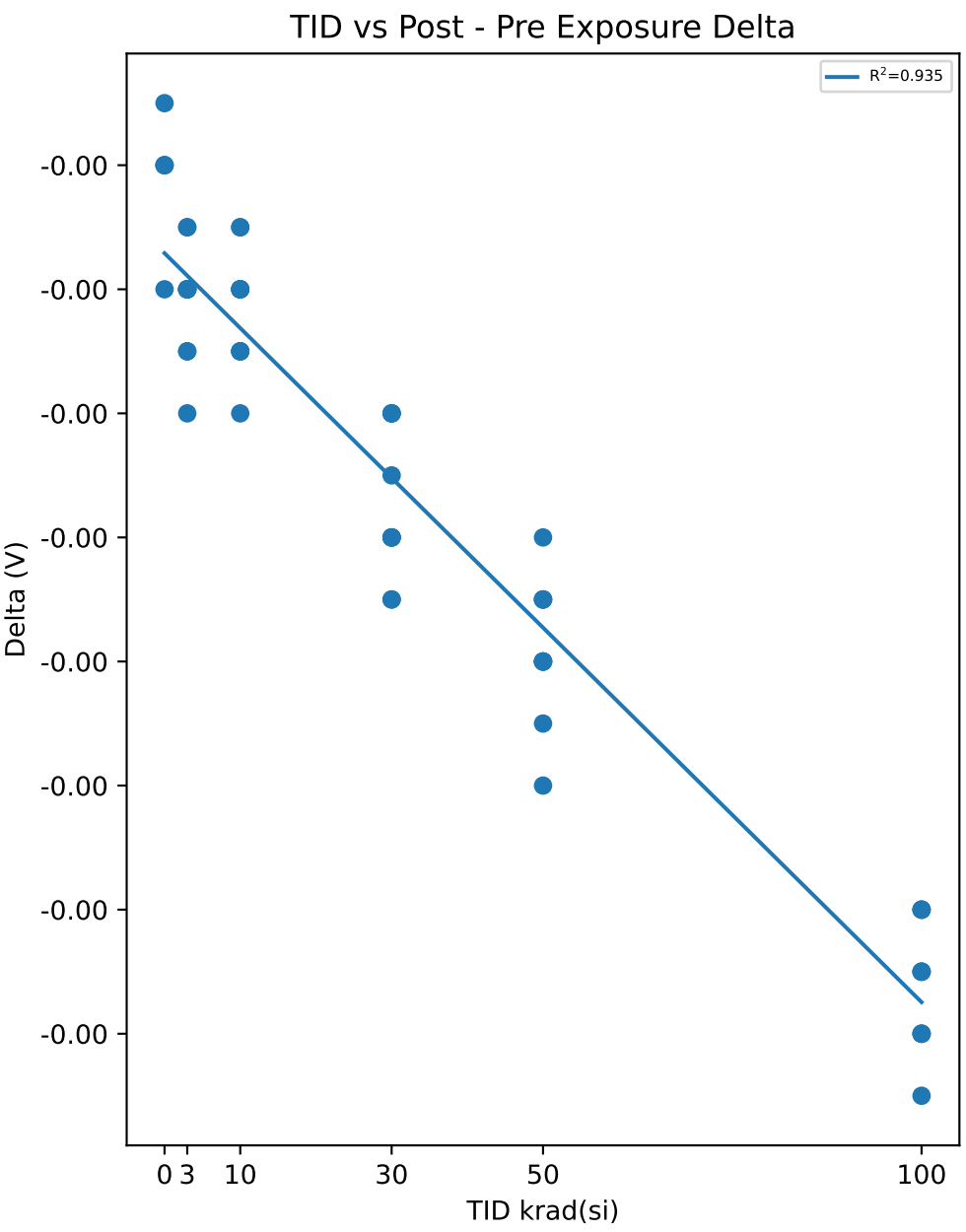
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.5397	1.5452	0.0055
2	3	Biased	1.5259	1.5256	-0.0003
3	3	Biased	1.5263	1.5352	0.0089
4	3	Biased	1.5876	1.5803	-0.0073
5	3	Biased	1.6057	1.6087	0.003
6	3	Unbiased	1.5227	1.5215	-0.0012
7	3	Unbiased	1.5294	1.5334	0.004
8	3	Unbiased	1.5885	1.585	-0.0035
9	3	Unbiased	1.5518	1.5504	-0.0014
10	3	Unbiased	1.5699	1.5786	0.0087
11	10	Biased	1.5754	1.5922	0.0168
12	10	Biased	1.5134	1.5336	0.0202
13	10	Biased	1.5537	1.5529	-0.0008
14	10	Biased	1.5267	1.5237	-0.003
15	10	Biased	1.6017	1.5864	-0.0153
16	10	Unbiased	1.5901	1.5881	-0.002
17	10	Unbiased	1.5441	1.5354	-0.0087
18	10	Unbiased	1.536	1.5364	0.0004
19	10	Unbiased	1.6131	1.6122	-0.0009
20	10	Unbiased	1.4836	1.4945	0.0109
21	30	Biased	1.5482	1.5487	0.0005
22	30	Biased	1.5057	1.5066	0.0009
23	30	Biased	1.4942	1.5014	0.0072
24	30	Biased	1.5475	1.5705	0.023
25	30	Biased	1.5185	1.5039	-0.0146
26	30	Unbiased	1.5534	1.5474	-0.006
27	30	Unbiased	1.5149	1.512	-0.0029
28	30	Unbiased	1.5476	1.5889	0.0413
29	30	Unbiased	1.5688	1.5692	0.0004
30	30	Unbiased	1.4827	1.4947	0.012
31	50	Biased	1.5825	1.597	0.0145
32	50	Biased	1.5094	1.5564	0.047
33	50	Biased	1.5747	1.6115	0.0368
34	50	Biased	1.6435	1.6907	0.0472
35	50	Biased	1.5212	1.5266	0.0054
36	50	Unbiased	1.6006	1.6096	0.009
37	50	Unbiased	1.5256	1.5395	0.0139
38	50	Unbiased	1.5044	1.5143	0.0099
39	50	Unbiased	1.5328	1.5195	-0.0133
40	50	Unbiased	1.6724	1.6844	0.012
41	100	Biased	1.5013	1.5067	0.0054
42	100	Biased	1.5255	1.5956	0.0701
43	100	Biased	1.5038	1.4691	-0.0347
44	100	Biased	1.5492	1.5809	0.0317
45	100	Biased	1.5523	1.6009	0.0486
46	100	Unbiased	1.4867	1.5373	0.0506
47	100	Unbiased	1.5339	1.5614	0.0275
48	100	Unbiased	1.5799	1.6164	0.0365
49	100	Unbiased	1.5842	1.5915	0.0073
50	100	Unbiased	1.5844	1.5789	-0.0055
51	0	Correlation	1.5459	1.5454	-0.0005
52	0	Correlation	1.5066	1.4986	-0.008
53	0	Correlation	1.5196	1.5172	-0.0024
54	0	Correlation	1.5274	1.5123	-0.0151
55	0	Correlation	1.5185	1.5186	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	1.5066	1.5236	1.5459	0.014515	1.4986	1.5184	1.5454	0.017027	-0.0151	-0.00518	0.0001	0.0064005
3	1.5227	1.5547	1.6057	0.030895	1.5215	1.5564	1.6087	0.029672	-0.0073	0.00164	0.0089	0.0052945
10	1.4836	1.5538	1.6131	0.041232	1.4945	1.5555	1.6122	0.037367	-0.0153	0.00176	0.0202	0.011068
30	1.4827	1.5281	1.5688	0.028744	1.4947	1.5343	1.5889	0.034525	-0.0146	0.00618	0.0413	0.016012
50	1.5044	1.5667	1.6724	0.058316	1.5143	1.5849	1.6907	0.065057	-0.0133	0.01824	0.0472	0.019427
100	1.4867	1.5401	1.5844	0.035977	1.4691	1.5639	1.6164	0.046402	-0.0347	0.02375	0.0701	0.030923

Device Test: 6.80; VOL_WDO_2MA_OD





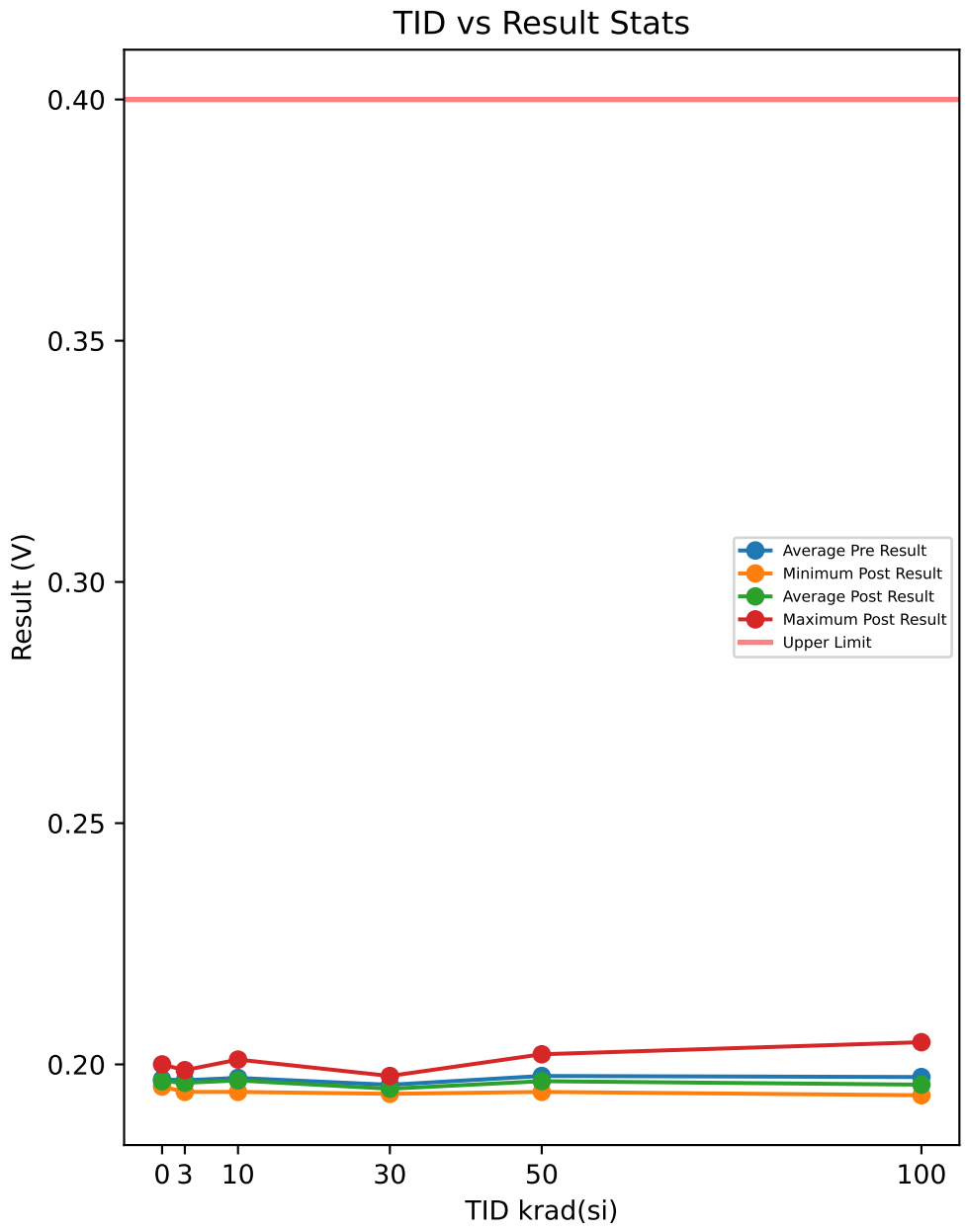
Test Results (Upper Limit = 0.4 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.1982	0.1976	-0.0006
2	3	Biased	0.2002	0.1997	-0.0005
3	3	Biased	0.2006	0.2002	-0.0004
4	3	Biased	0.2009	0.2005	-0.0004
5	3	Biased	0.1978	0.1973	-0.0005
6	3	Unbiased	0.1989	0.1986	-0.0003
7	3	Unbiased	0.202	0.2016	-0.0004
8	3	Unbiased	0.1981	0.1978	-0.0003
9	3	Unbiased	0.1997	0.1993	-0.0004
10	3	Unbiased	0.2013	0.2009	-0.0004
11	10	Biased	0.199	0.1984	-0.0006
12	10	Biased	0.1982	0.1977	-0.0005
13	10	Biased	0.1993	0.1989	-0.0004
14	10	Biased	0.1984	0.198	-0.0004
15	10	Biased	0.1994	0.1989	-0.0005
16	10	Unbiased	0.2017	0.2012	-0.0005
17	10	Unbiased	0.2053	0.2049	-0.0004
18	10	Unbiased	0.2008	0.2005	-0.0003
19	10	Unbiased	0.1993	0.1989	-0.0004
20	10	Unbiased	0.2021	0.2018	-0.0003
21	30	Biased	0.1985	0.1979	-0.0006
22	30	Biased	0.1982	0.1973	-0.0009
23	30	Biased	0.2013	0.2007	-0.0006
24	30	Biased	0.1998	0.199	-0.0008
25	30	Biased	0.1974	0.1968	-0.0006
26	30	Unbiased	0.1993	0.1985	-0.0008
27	30	Unbiased	0.1988	0.1981	-0.0007
28	30	Unbiased	0.1976	0.1968	-0.0008
29	30	Unbiased	0.1988	0.1979	-0.0009
30	30	Unbiased	0.1978	0.197	-0.0008
31	50	Biased	0.2038	0.2029	-0.0009
32	50	Biased	0.1988	0.1979	-0.0009
33	50	Biased	0.1991	0.1982	-0.0009
34	50	Biased	0.2059	0.2051	-0.0008
35	50	Biased	0.202	0.201	-0.001
36	50	Unbiased	0.1994	0.1984	-0.001
37	50	Unbiased	0.1995	0.1984	-0.0011
38	50	Unbiased	0.1988	0.1978	-0.001
39	50	Unbiased	0.1989	0.1977	-0.0012
40	50	Unbiased	0.1996	0.1986	-0.001
41	100	Biased	0.1987	0.1972	-0.0015
42	100	Biased	0.1985	0.1969	-0.0016
43	100	Biased	0.2001	0.1986	-0.0015
44	100	Biased	0.2007	0.1991	-0.0016
45	100	Biased	0.1986	0.1972	-0.0014
46	100	Unbiased	0.2008	0.1991	-0.0017
47	100	Unbiased	0.2095	0.208	-0.0015
48	100	Unbiased	0.2026	0.201	-0.0016
49	100	Unbiased	0.1982	0.1968	-0.0014
50	100	Unbiased	0.1992	0.1978	-0.0014
51	0	Correlation	0.1986	0.1985	-0.0001
52	0	Correlation	0.2037	0.2035	-0.0002
53	0	Correlation	0.1984	0.1982	-0.0002
54	0	Correlation	0.1988	0.1984	-0.0004
55	0	Correlation	0.1989	0.1987	-0.0002

Test Statistics (V)

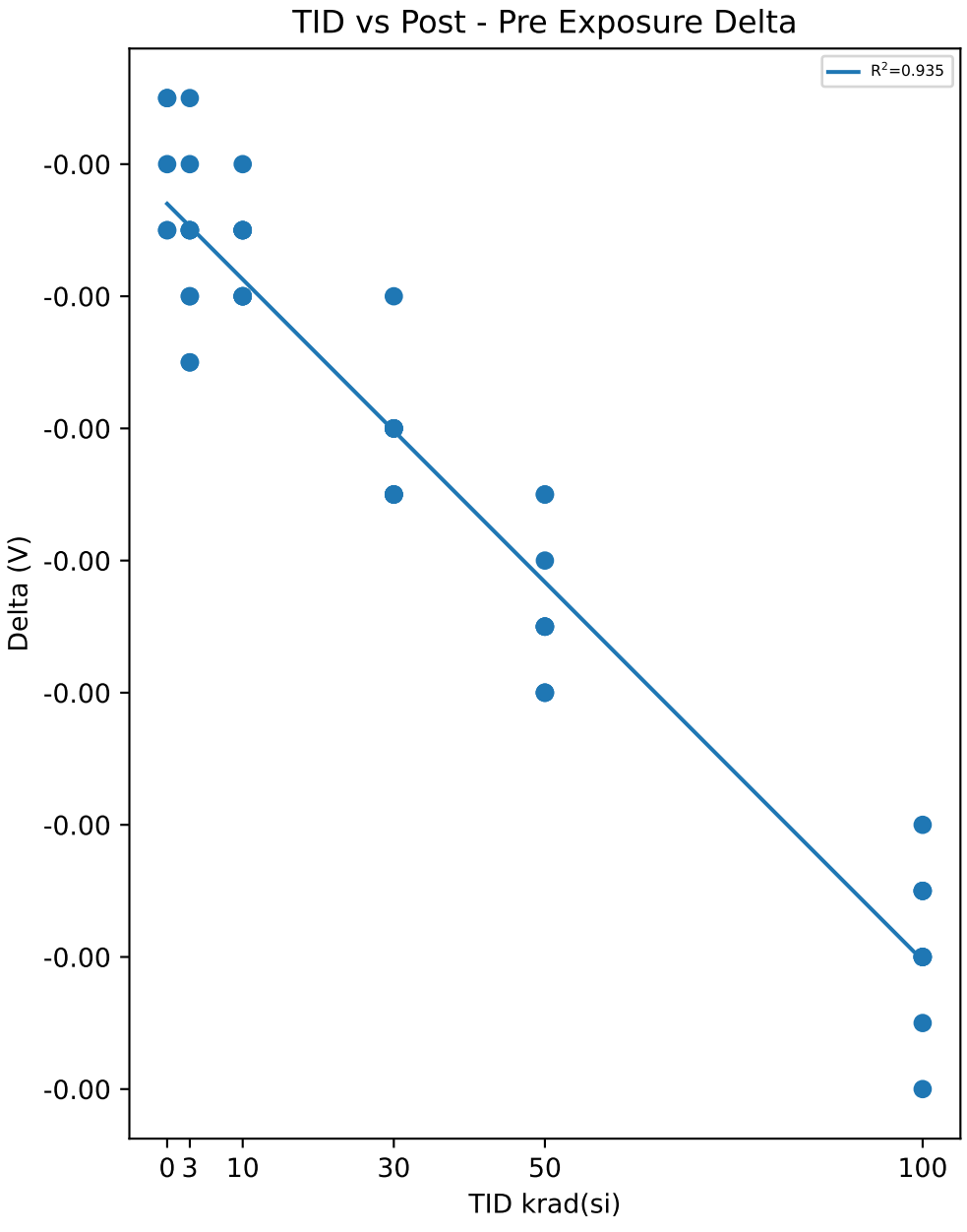
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.1984	0.19968	0.2037	0.0022554	0.1982	0.19946	0.2035	0.0022656	-0.0004	-0.00022	-0.0001	0.00010954
3	0.1978	0.19977	0.202	0.0014667	0.1973	0.19935	0.2016	0.0014857	-0.0006	-0.00042	-0.0003	9.1894e-05
10	0.1982	0.20035	0.2053	0.0021844	0.1977	0.19992	0.2049	0.00222	-0.0006	-0.00043	-0.0003	9.4868e-05
30	0.1974	0.19875	0.2013	0.0011702	0.1968	0.198	0.2007	0.0011991	-0.0009	-0.00075	-0.0006	0.00011785
50	0.1988	0.20058	0.2059	0.0024845	0.1977	0.1996	0.2051	0.0025534	-0.0012	-0.00098	-0.0008	0.00011353
100	0.1982	0.20069	0.2095	0.0033857	0.1968	0.19917	0.208	0.0033675	-0.0017	-0.00152	-0.0014	0.00010328

Device Test: 6.81; VOL_PWRGD_2MA_OD



Test Results (Upper Limit = 0.4 (V))

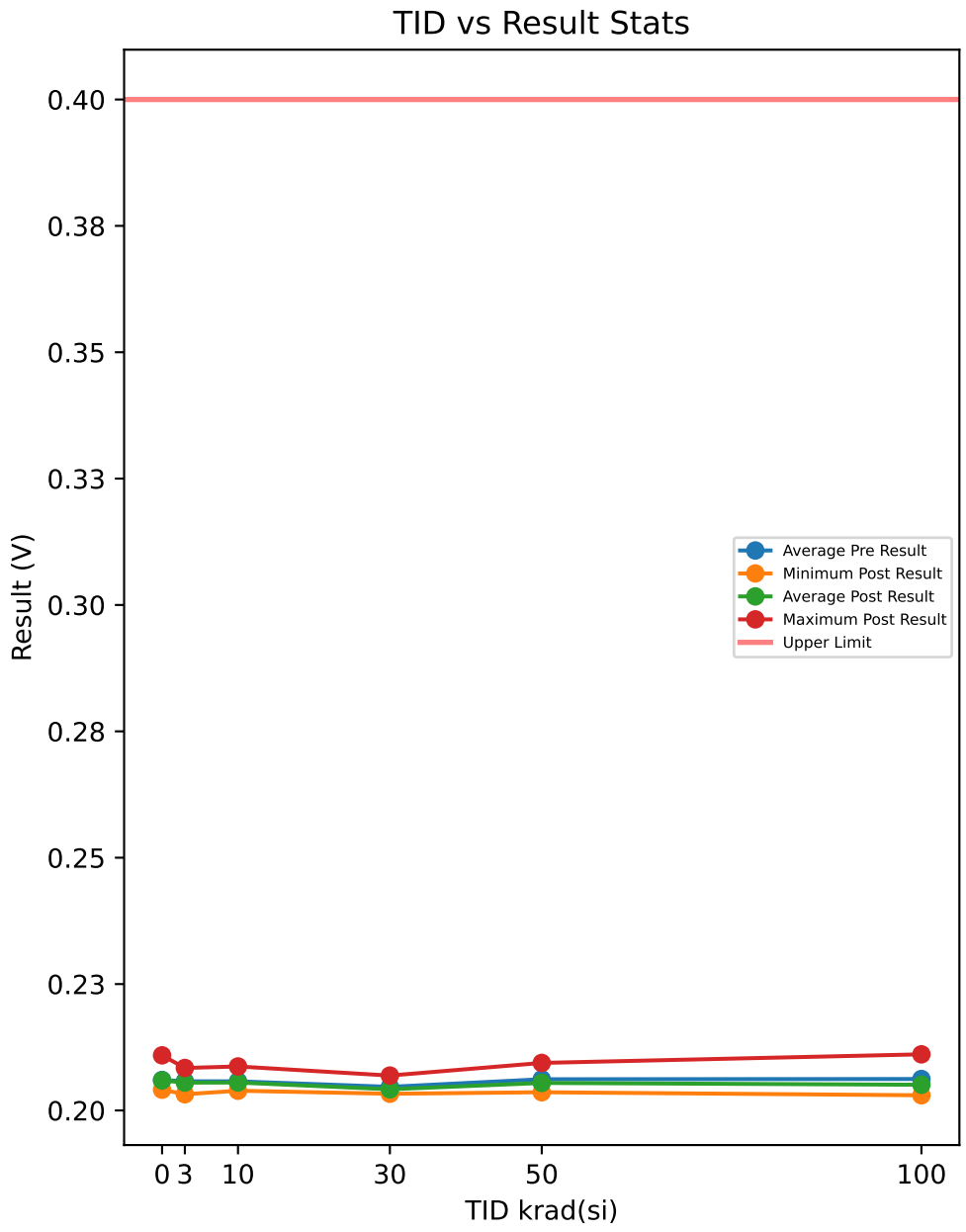
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.1949	0.1943	-0.0006
2	3	Biased	0.1971	0.1964	-0.0007
3	3	Biased	0.1976	0.1969	-0.0007
4	3	Biased	0.1974	0.1969	-0.0005
5	3	Biased	0.1948	0.1943	-0.0005
6	3	Unbiased	0.1959	0.1953	-0.0006
7	3	Unbiased	0.1993	0.1988	-0.0005
8	3	Unbiased	0.1953	0.195	-0.0003
9	3	Unbiased	0.1966	0.1961	-0.0005
10	3	Unbiased	0.1982	0.1978	-0.0004
11	10	Biased	0.1957	0.1951	-0.0006
12	10	Biased	0.1949	0.1943	-0.0006
13	10	Biased	0.1961	0.1956	-0.0005
14	10	Biased	0.1955	0.1949	-0.0006
15	10	Biased	0.1961	0.1956	-0.0005
16	10	Unbiased	0.1981	0.1975	-0.0006
17	10	Unbiased	0.2015	0.201	-0.0005
18	10	Unbiased	0.1982	0.1977	-0.0005
19	10	Unbiased	0.1967	0.1962	-0.0005
20	10	Unbiased	0.1992	0.1988	-0.0004
21	30	Biased	0.1951	0.1945	-0.0006
22	30	Biased	0.1953	0.1945	-0.0008
23	30	Biased	0.1984	0.1976	-0.0008
24	30	Biased	0.197	0.1961	-0.0009
25	30	Biased	0.1947	0.1939	-0.0008
26	30	Unbiased	0.1957	0.1948	-0.0009
27	30	Unbiased	0.1953	0.1945	-0.0008
28	30	Unbiased	0.1948	0.1939	-0.0009
29	30	Unbiased	0.1962	0.1953	-0.0009
30	30	Unbiased	0.1952	0.1944	-0.0008
31	50	Biased	0.2009	0.1997	-0.0012
32	50	Biased	0.1954	0.1943	-0.0011
33	50	Biased	0.1963	0.1952	-0.0011
34	50	Biased	0.203	0.2021	-0.0009
35	50	Biased	0.1987	0.1978	-0.0009
36	50	Unbiased	0.1964	0.1953	-0.0011
37	50	Unbiased	0.1966	0.1954	-0.0012
38	50	Unbiased	0.1959	0.1948	-0.0011
39	50	Unbiased	0.1962	0.195	-0.0012
40	50	Unbiased	0.1966	0.1956	-0.001
41	100	Biased	0.1956	0.1941	-0.0015
42	100	Biased	0.1953	0.1936	-0.0017
43	100	Biased	0.1963	0.1948	-0.0015
44	100	Biased	0.1976	0.196	-0.0016
45	100	Biased	0.1954	0.1938	-0.0016
46	100	Unbiased	0.1972	0.1954	-0.0018
47	100	Unbiased	0.2062	0.2046	-0.0016
48	100	Unbiased	0.1991	0.1975	-0.0016
49	100	Unbiased	0.1952	0.1938	-0.0014
50	100	Unbiased	0.1959	0.1944	-0.0015
51	0	Correlation	0.196	0.1957	-0.0003
52	0	Correlation	0.2004	0.2	-0.0004
53	0	Correlation	0.1957	0.1954	-0.0003
54	0	Correlation	0.1962	0.1957	-0.0005
55	0	Correlation	0.1962	0.1957	-0.0005

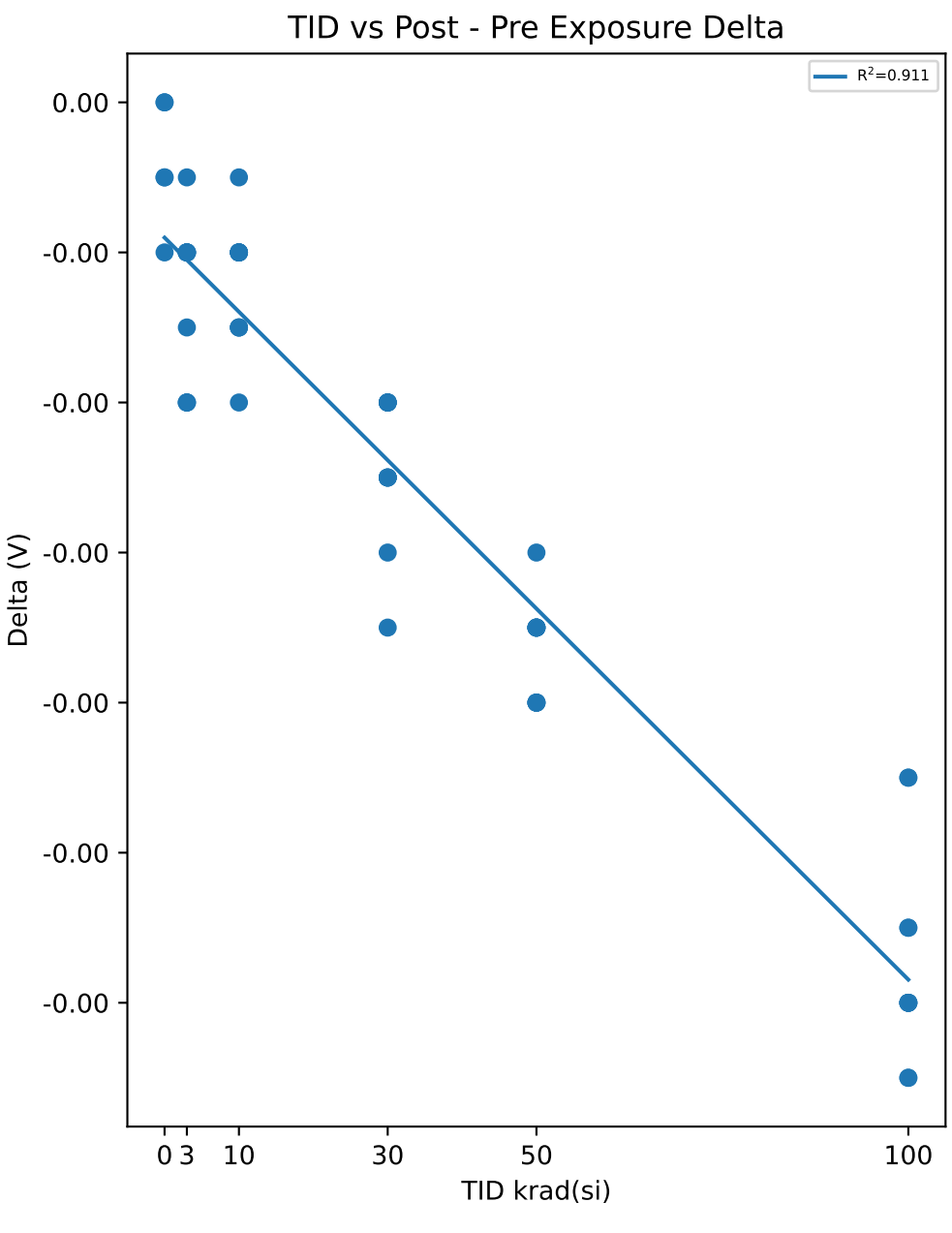


Test Statistics (V)

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	0.1957	0.1969	0.2004	0.0019672	0.1954	0.1965	0.2	0.0019609	-0.0005	-0.0004	-0.0003	0.0001
3	0.1948	0.19671	0.1993	0.0014881	0.1943	0.19618	0.1988	0.0014838	-0.0007	-0.00053	-0.0003	0.00012517
10	0.1949	0.1972	0.2015	0.0020385	0.1943	0.19667	0.201	0.0020753	-0.0006	-0.00053	-0.0004	6.7495e-05
30	0.1947	0.19577	0.1984	0.0011509	0.1939	0.19495	0.1976	0.0011355	-0.0009	-0.00082	-0.0006	9.1894e-05
50	0.1954	0.1976	0.203	0.0024962	0.1943	0.19652	0.2021	0.0025477	-0.0012	-0.00108	-0.0009	0.00011353
100	0.1952	0.19738	0.2062	0.0033393	0.1936	0.1958	0.2046	0.0033203	-0.0018	-0.00158	-0.0014	0.00011353

Device Test: 6.82; VOL_RESET_2MA_OD





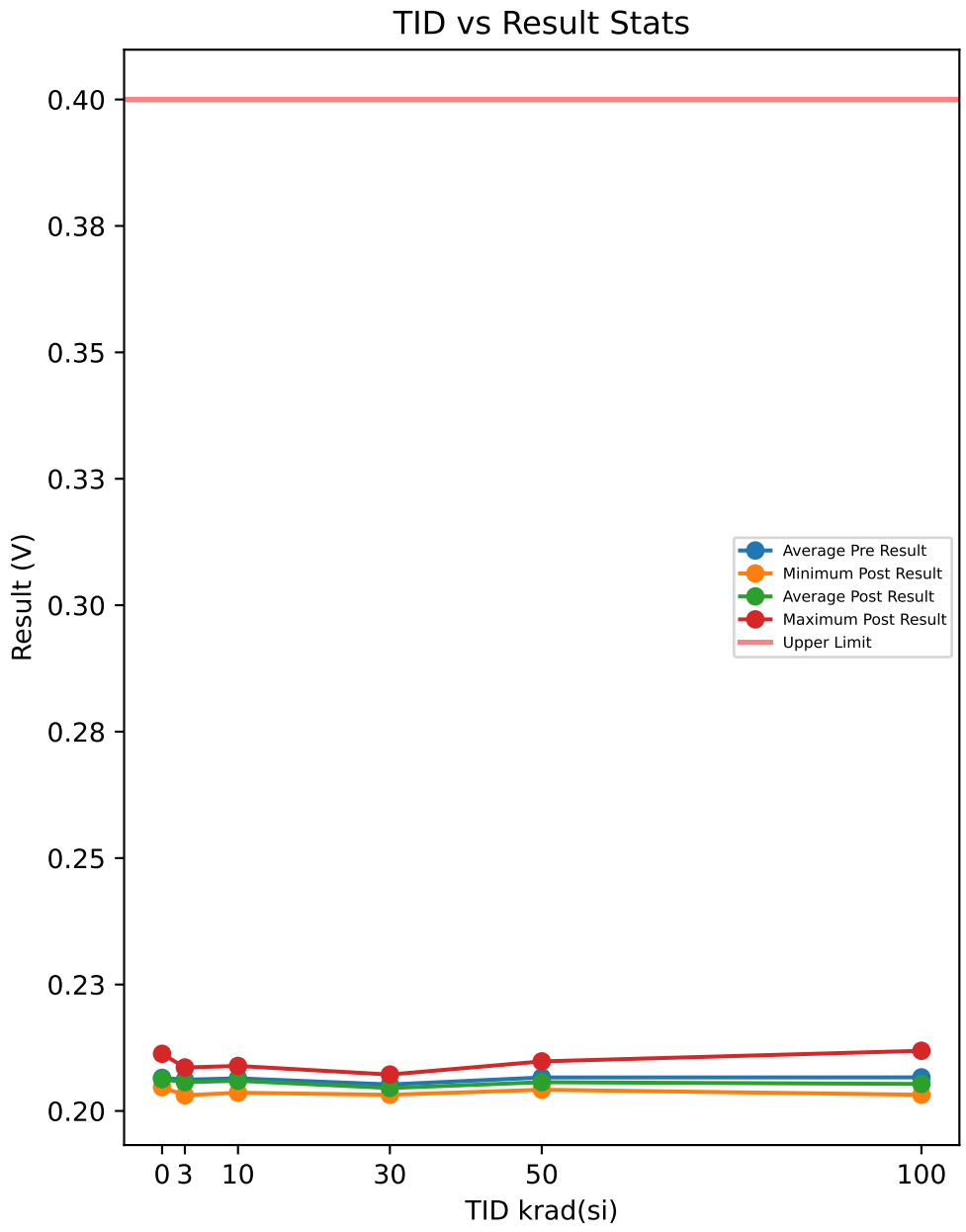
Test Results (Upper Limit = 0.4 (V))

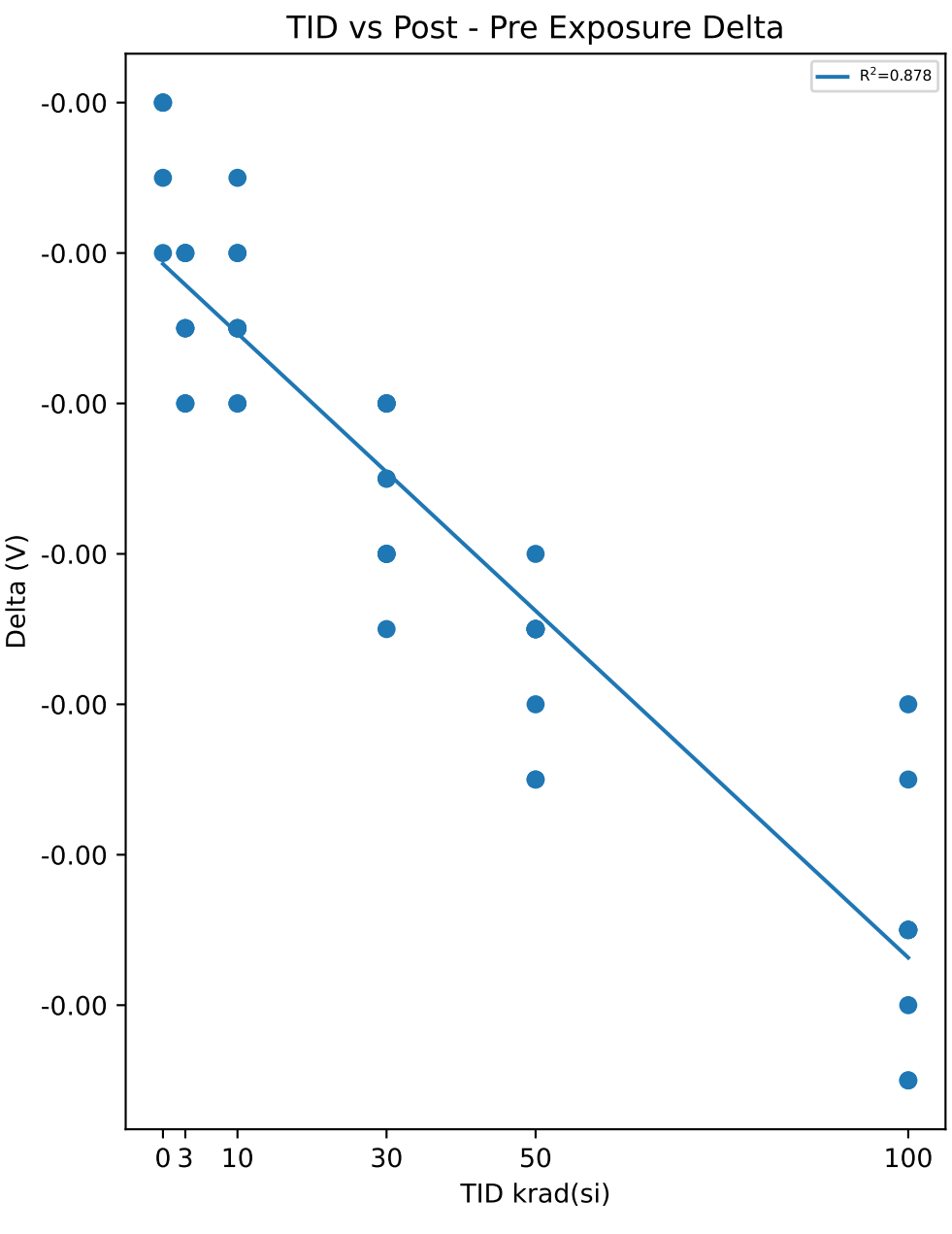
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2045	0.2041	-0.0004
2	3	Biased	0.2073	0.2069	-0.0004
3	3	Biased	0.2073	0.2069	-0.0004
4	3	Biased	0.2059	0.2057	-0.0002
5	3	Biased	0.2035	0.2032	-0.0003
6	3	Unbiased	0.2045	0.2043	-0.0002
7	3	Unbiased	0.2086	0.2084	-0.0002
8	3	Unbiased	0.204	0.2039	-0.0001
9	3	Unbiased	0.206	0.2058	-0.0002
10	3	Unbiased	0.206	0.2058	-0.0002
11	10	Biased	0.2044	0.2042	-0.0002
12	10	Biased	0.2043	0.204	-0.0003
13	10	Biased	0.2052	0.2048	-0.0004
14	10	Biased	0.2042	0.2039	-0.0003
15	10	Biased	0.2051	0.2049	-0.0002
16	10	Unbiased	0.2061	0.2059	-0.0002
17	10	Unbiased	0.2089	0.2087	-0.0002
18	10	Unbiased	0.2071	0.2068	-0.0003
19	10	Unbiased	0.2051	0.2049	-0.0002
20	10	Unbiased	0.2072	0.2071	-0.0001
21	30	Biased	0.2039	0.2035	-0.0004
22	30	Biased	0.204	0.2035	-0.0005
23	30	Biased	0.2075	0.2069	-0.0006
24	30	Biased	0.2053	0.2048	-0.0005
25	30	Biased	0.204	0.2033	-0.0007
26	30	Unbiased	0.2049	0.2045	-0.0004
27	30	Unbiased	0.2047	0.2043	-0.0004
28	30	Unbiased	0.2037	0.2033	-0.0004
29	30	Unbiased	0.2049	0.2044	-0.0005
30	30	Unbiased	0.2038	0.2033	-0.0005
31	50	Biased	0.2087	0.208	-0.0007
32	50	Biased	0.2046	0.2038	-0.0008
33	50	Biased	0.2055	0.2048	-0.0007
34	50	Biased	0.21	0.2094	-0.0006
35	50	Biased	0.2071	0.2064	-0.0007
36	50	Unbiased	0.2054	0.2047	-0.0007
37	50	Unbiased	0.2054	0.2046	-0.0008
38	50	Unbiased	0.2047	0.204	-0.0007
39	50	Unbiased	0.2044	0.2036	-0.0008
40	50	Unbiased	0.2059	0.2051	-0.0008
41	100	Biased	0.2046	0.2035	-0.0011
42	100	Biased	0.2045	0.2033	-0.0012
43	100	Biased	0.206	0.2049	-0.0011
44	100	Biased	0.2062	0.205	-0.0012
45	100	Biased	0.2047	0.2034	-0.0013
46	100	Unbiased	0.2071	0.2058	-0.0013
47	100	Unbiased	0.2123	0.2111	-0.0012
48	100	Unbiased	0.2081	0.2069	-0.0012
49	100	Unbiased	0.2039	0.203	-0.0009
50	100	Unbiased	0.2048	0.2039	-0.0009
51	0	Correlation	0.2046	0.2046	0
52	0	Correlation	0.211	0.2109	-0.0001
53	0	Correlation	0.2053	0.2053	0
54	0	Correlation	0.2043	0.2041	-0.0002
55	0	Correlation	0.2049	0.2048	-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	0.2043	0.20602	0.211	0.0028084	0.2041	0.20594	0.2109	0.0028059	-0.0002	-8e-05	0	8.3666e-05
3	0.2035	0.20576	0.2086	0.001644	0.2032	0.2055	0.2084	0.0016262	-0.0004	-0.00026	-0.0001	0.0001075
10	0.2042	0.20576	0.2089	0.0015436	0.2039	0.20552	0.2087	0.0015761	-0.0004	-0.00024	-0.0001	8.4327e-05
30	0.2037	0.20467	0.2075	0.0011402	0.2033	0.20418	0.2069	0.0011153	-0.0007	-0.00049	-0.0004	9.9443e-05
50	0.2044	0.20617	0.21	0.0018679	0.2036	0.20544	0.2094	0.0019173	-0.0008	-0.00073	-0.0006	6.7495e-05
100	0.2039	0.20622	0.2123	0.0025081	0.203	0.20508	0.2111	0.0024566	-0.0013	-0.00114	-0.0009	0.00014298

Device Test: 6.83; VOL_RESET_2MA_OD





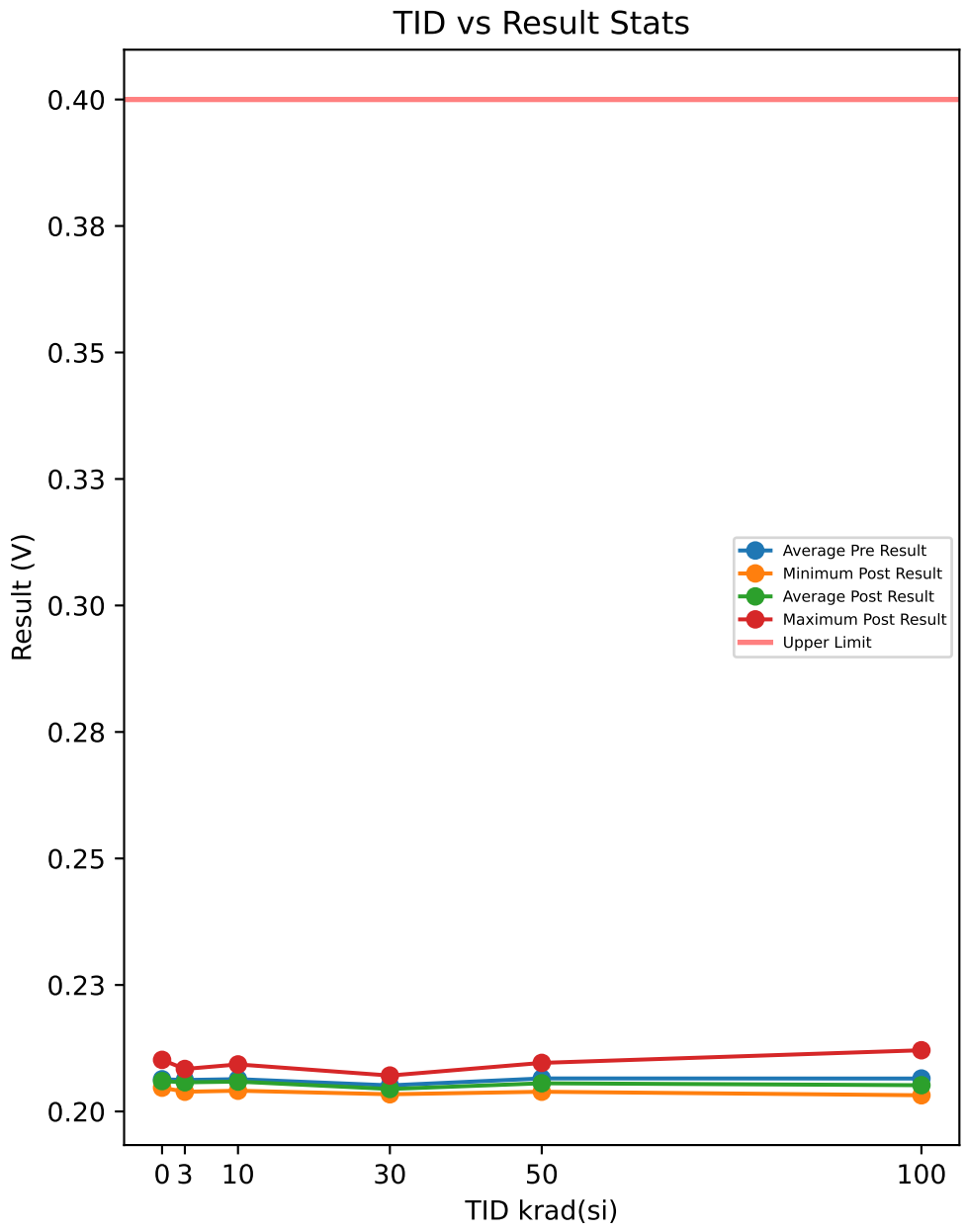
Test Results (Upper Limit = 0.4 (V))

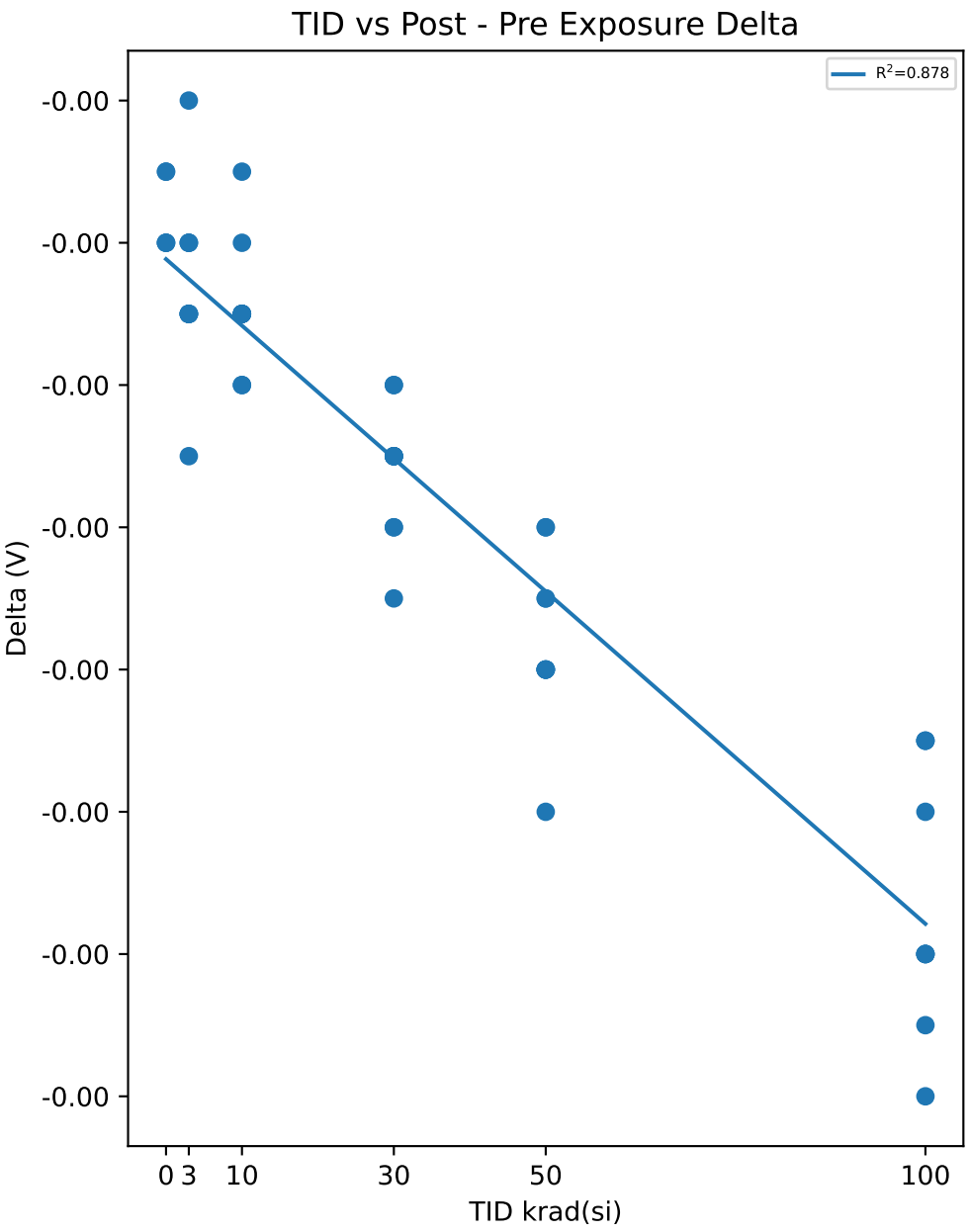
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2045	0.2039	-0.0006
2	3	Biased	0.2066	0.2061	-0.0005
3	3	Biased	0.2079	0.2073	-0.0006
4	3	Biased	0.2072	0.2066	-0.0006
5	3	Biased	0.2036	0.2031	-0.0005
6	3	Unbiased	0.2052	0.2048	-0.0004
7	3	Unbiased	0.2091	0.2086	-0.0005
8	3	Unbiased	0.2051	0.2047	-0.0004
9	3	Unbiased	0.2057	0.2053	-0.0004
10	3	Unbiased	0.2069	0.2064	-0.0005
11	10	Biased	0.2052	0.2047	-0.0005
12	10	Biased	0.2041	0.2036	-0.0005
13	10	Biased	0.2064	0.2059	-0.0005
14	10	Biased	0.2051	0.2045	-0.0006
15	10	Biased	0.2059	0.2054	-0.0005
16	10	Unbiased	0.207	0.2064	-0.0006
17	10	Unbiased	0.2093	0.2089	-0.0004
18	10	Unbiased	0.208	0.2075	-0.0005
19	10	Unbiased	0.2058	0.2054	-0.0004
20	10	Unbiased	0.2077	0.2074	-0.0003
21	30	Biased	0.2045	0.2039	-0.0006
22	30	Biased	0.2048	0.2041	-0.0007
23	30	Biased	0.2078	0.2072	-0.0006
24	30	Biased	0.2065	0.2056	-0.0009
25	30	Biased	0.204	0.2032	-0.0008
26	30	Unbiased	0.2054	0.2048	-0.0006
27	30	Unbiased	0.2054	0.2046	-0.0008
28	30	Unbiased	0.2045	0.2039	-0.0006
29	30	Unbiased	0.2051	0.2044	-0.0007
30	30	Unbiased	0.2044	0.2036	-0.0008
31	50	Biased	0.2086	0.2077	-0.0009
32	50	Biased	0.2056	0.2047	-0.0009
33	50	Biased	0.2056	0.2045	-0.0011
34	50	Biased	0.2107	0.2098	-0.0009
35	50	Biased	0.2077	0.2068	-0.0009
36	50	Unbiased	0.2061	0.2052	-0.0009
37	50	Unbiased	0.2056	0.2048	-0.0008
38	50	Unbiased	0.2052	0.2042	-0.001
39	50	Unbiased	0.2054	0.2045	-0.0009
40	50	Unbiased	0.2057	0.2046	-0.0011
41	100	Biased	0.2048	0.2035	-0.0013
42	100	Biased	0.2051	0.2038	-0.0013
43	100	Biased	0.2059	0.2046	-0.0013
44	100	Biased	0.2071	0.2056	-0.0015
45	100	Biased	0.2051	0.2038	-0.0013
46	100	Unbiased	0.2071	0.2056	-0.0015
47	100	Unbiased	0.2133	0.2119	-0.0014
48	100	Unbiased	0.2088	0.2075	-0.0013
49	100	Unbiased	0.2043	0.2032	-0.0011
50	100	Unbiased	0.2049	0.2039	-0.001
51	0	Correlation	0.2053	0.2051	-0.0002
52	0	Correlation	0.2115	0.2113	-0.0002
53	0	Correlation	0.2051	0.2049	-0.0002
54	0	Correlation	0.2057	0.2054	-0.0003
55	0	Correlation	0.2051	0.2047	-0.0004

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	0.2051	0.20654	0.2115	0.0027835	0.2047	0.20628	0.2113	0.0028182	-0.0004	-0.00026	-0.0002	8.9443e-05
3	0.2036	0.20618	0.2091	0.0016685	0.2031	0.20568	0.2086	0.0016464	-0.0006	-0.0005	-0.0004	8.165e-05
10	0.2041	0.20645	0.2093	0.0015644	0.2036	0.20597	0.2089	0.0016056	-0.0006	-0.00048	-0.0003	9.1894e-05
30	0.204	0.20524	0.2078	0.0011423	0.2032	0.20453	0.2072	0.0011538	-0.0009	-0.00071	-0.0006	0.00011005
50	0.2052	0.20662	0.2107	0.0018097	0.2042	0.20568	0.2098	0.0018384	-0.0011	-0.00094	-0.0008	9.6609e-05
100	0.2043	0.20664	0.2133	0.0027208	0.2032	0.20534	0.2119	0.0026492	-0.0015	-0.0013	-0.001	0.00015635

Device Test: 6.84; VOL_RESET_2MA_OD





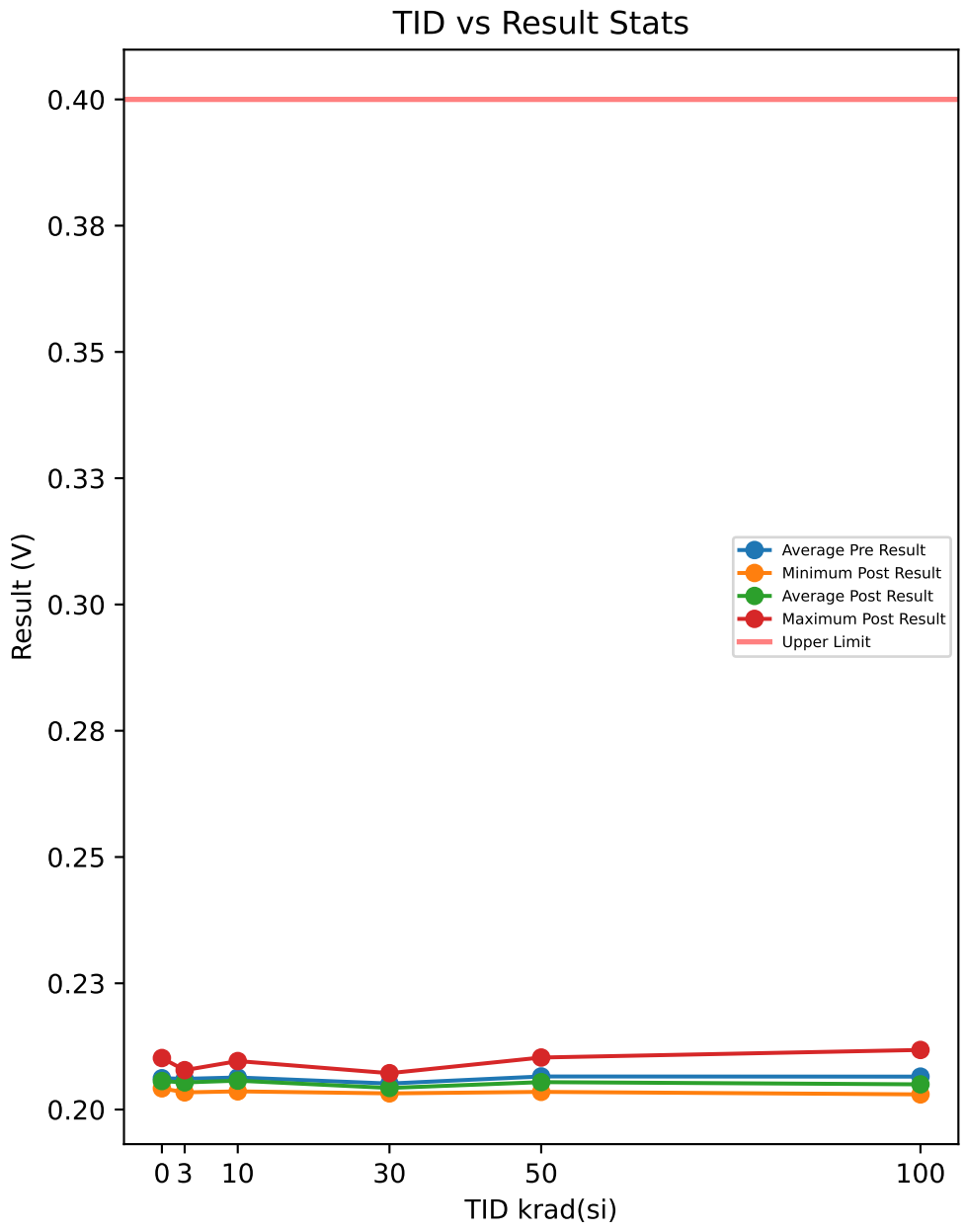
Test Results (Upper Limit = 0.4 (V))

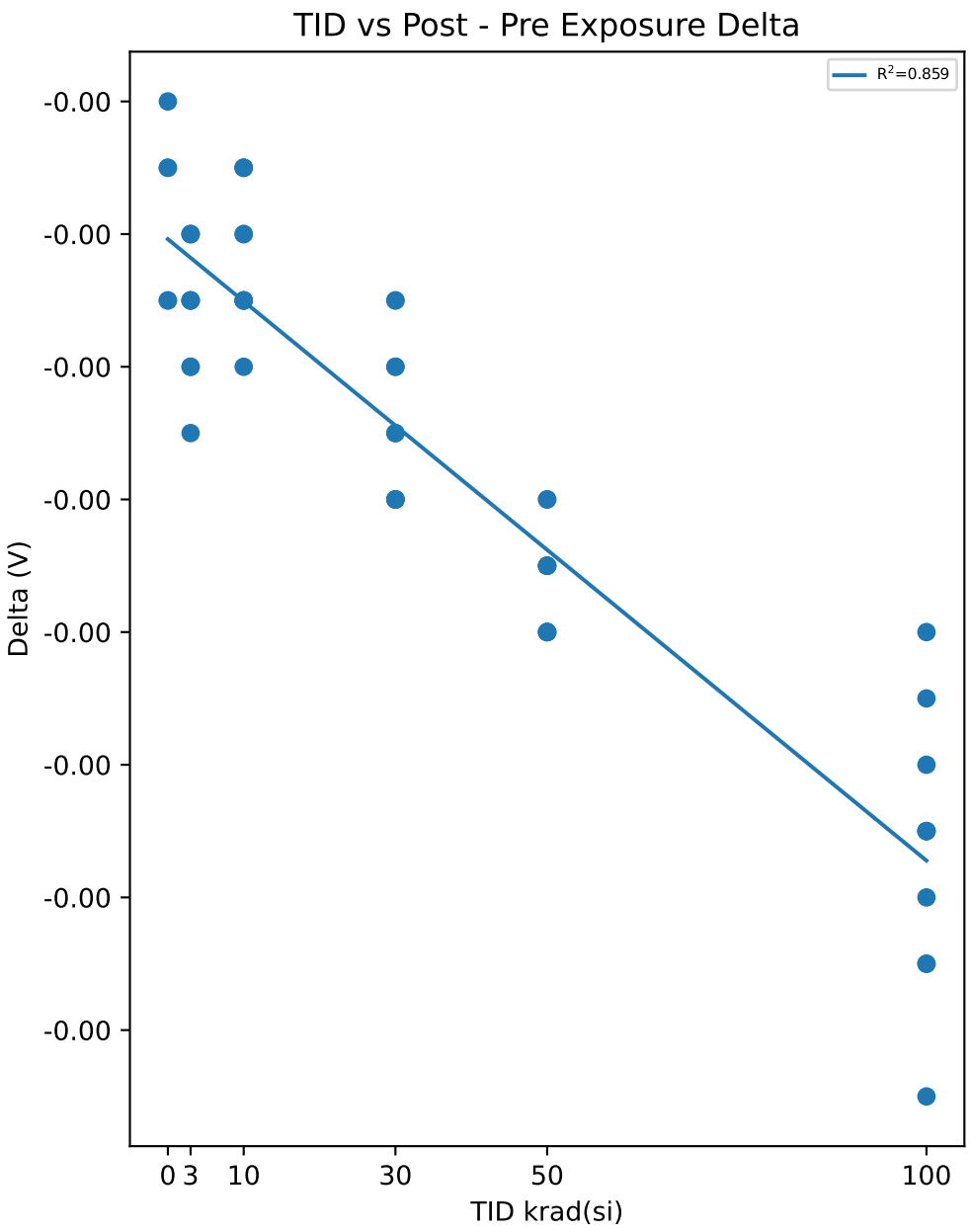
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2044	0.2039	-0.0005
2	3	Biased	0.2064	0.2057	-0.0007
3	3	Biased	0.2077	0.2073	-0.0004
4	3	Biased	0.2066	0.2061	-0.0005
5	3	Biased	0.2048	0.2043	-0.0005
6	3	Unbiased	0.2058	0.2054	-0.0004
7	3	Unbiased	0.2089	0.2084	-0.0005
8	3	Unbiased	0.2042	0.204	-0.0002
9	3	Unbiased	0.2067	0.2063	-0.0004
10	3	Unbiased	0.2067	0.2062	-0.0005
11	10	Biased	0.2047	0.2041	-0.0006
12	10	Biased	0.2046	0.2041	-0.0005
13	10	Biased	0.2062	0.2056	-0.0006
14	10	Biased	0.2048	0.2043	-0.0005
15	10	Biased	0.2058	0.2053	-0.0005
16	10	Unbiased	0.2065	0.206	-0.0005
17	10	Unbiased	0.2098	0.2093	-0.0005
18	10	Unbiased	0.2077	0.2072	-0.0005
19	10	Unbiased	0.2057	0.2053	-0.0004
20	10	Unbiased	0.2081	0.2078	-0.0003
21	30	Biased	0.2051	0.2044	-0.0007
22	30	Biased	0.2048	0.2041	-0.0007
23	30	Biased	0.2078	0.2071	-0.0007
24	30	Biased	0.2064	0.2055	-0.0009
25	30	Biased	0.2041	0.2034	-0.0007
26	30	Unbiased	0.205	0.2044	-0.0006
27	30	Unbiased	0.2046	0.2038	-0.0008
28	30	Unbiased	0.2042	0.2035	-0.0007
29	30	Unbiased	0.205	0.2042	-0.0008
30	30	Unbiased	0.2046	0.204	-0.0006
31	50	Biased	0.2086	0.2078	-0.0008
32	50	Biased	0.2052	0.2044	-0.0008
33	50	Biased	0.2051	0.2042	-0.0009
34	50	Biased	0.2106	0.2096	-0.001
35	50	Biased	0.2074	0.2065	-0.0009
36	50	Unbiased	0.2061	0.2051	-0.001
37	50	Unbiased	0.2057	0.2047	-0.001
38	50	Unbiased	0.2049	0.2039	-0.001
39	50	Unbiased	0.206	0.205	-0.001
40	50	Unbiased	0.2057	0.2045	-0.0012
41	100	Biased	0.2044	0.2032	-0.0012
42	100	Biased	0.2049	0.2038	-0.0011
43	100	Biased	0.2061	0.2047	-0.0014
44	100	Biased	0.2067	0.2053	-0.0014
45	100	Biased	0.2051	0.2036	-0.0015
46	100	Unbiased	0.2069	0.2053	-0.0016
47	100	Unbiased	0.2135	0.2121	-0.0014
48	100	Unbiased	0.2085	0.2071	-0.0014
49	100	Unbiased	0.2046	0.2035	-0.0011
50	100	Unbiased	0.2044	0.2033	-0.0011
51	0	Correlation	0.2051	0.2048	-0.0003
52	0	Correlation	0.2105	0.2102	-0.0003
53	0	Correlation	0.2057	0.2053	-0.0004
54	0	Correlation	0.2054	0.205	-0.0004
55	0	Correlation	0.2051	0.2047	-0.0004

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	0.2051	0.20636	0.2105	0.0023277	0.2047	0.206	0.2102	0.002359	-0.0004	-0.00036	-0.0003	5.4772e-05
3	0.2042	0.20622	0.2089	0.0014756	0.2039	0.20576	0.2084	0.0014439	-0.0007	-0.00046	-0.0002	0.00012649
10	0.2046	0.20639	0.2098	0.0016908	0.2041	0.2059	0.2093	0.001723	-0.0006	-0.00049	-0.0003	8.756e-05
30	0.2041	0.20516	0.2078	0.0011237	0.2034	0.20444	0.2071	0.0011027	-0.0009	-0.00072	-0.0006	9.1894e-05
50	0.2049	0.20653	0.2106	0.0018233	0.2039	0.20557	0.2096	0.0018427	-0.0012	-0.00096	-0.0008	0.00011738
100	0.2044	0.20651	0.2135	0.002795	0.2032	0.20519	0.2121	0.0027184	-0.0016	-0.00132	-0.0011	0.00018135

Device Test: 6.85; VOL_RESET_2MA_OD





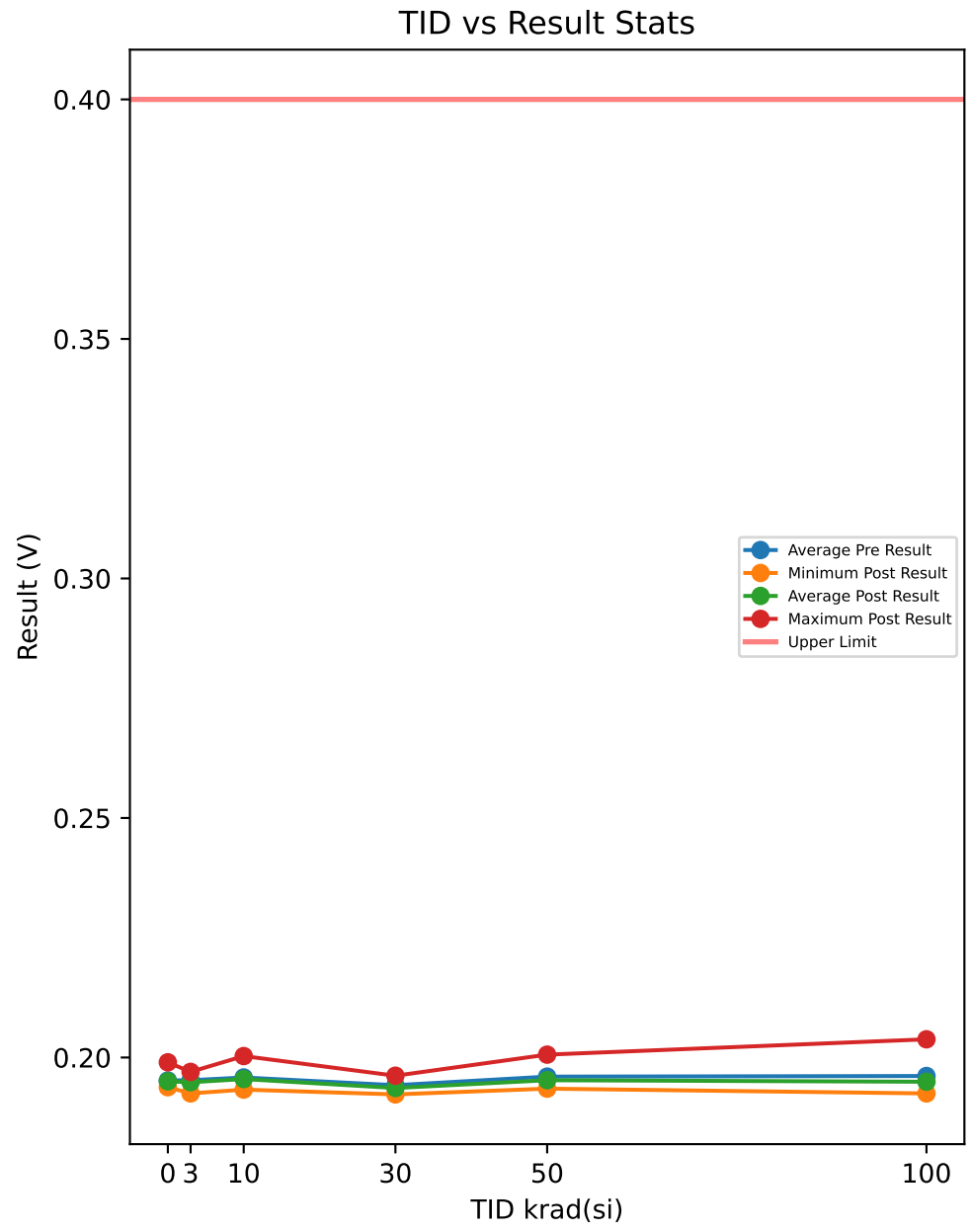
Test Results (Upper Limit = 0.4 (V))

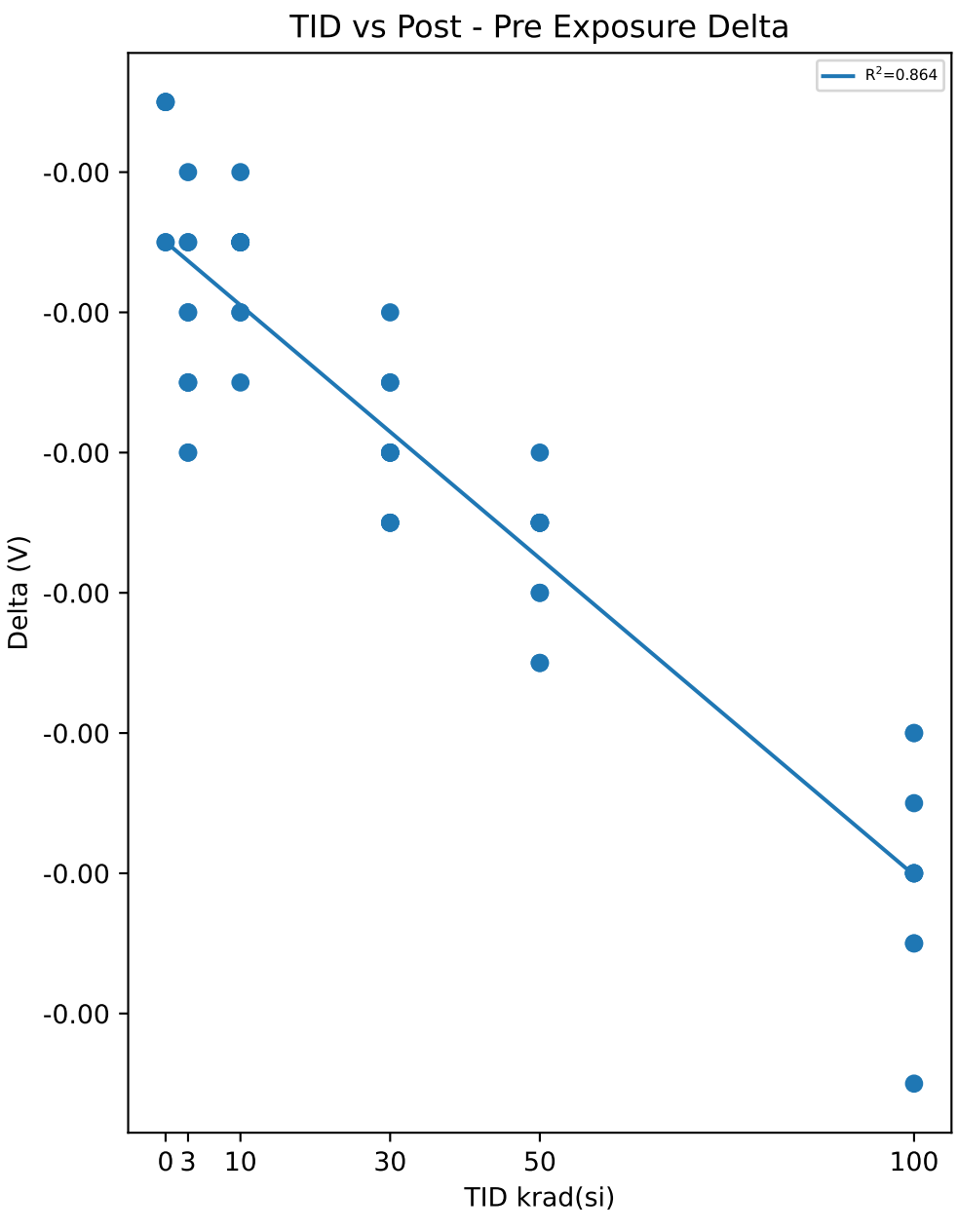
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2051	0.2043	-0.0008
2	3	Biased	0.207	0.2061	-0.0009
3	3	Biased	0.2074	0.2066	-0.0008
4	3	Biased	0.2066	0.2059	-0.0007
5	3	Biased	0.204	0.2034	-0.0006
6	3	Unbiased	0.2047	0.2041	-0.0006
7	3	Unbiased	0.2085	0.2078	-0.0007
8	3	Unbiased	0.2042	0.2035	-0.0007
9	3	Unbiased	0.2065	0.2059	-0.0006
10	3	Unbiased	0.2068	0.2061	-0.0007
11	10	Biased	0.2053	0.2046	-0.0007
12	10	Biased	0.2045	0.2038	-0.0007
13	10	Biased	0.2053	0.2046	-0.0007
14	10	Biased	0.2042	0.2036	-0.0006
15	10	Biased	0.2056	0.205	-0.0006
16	10	Unbiased	0.2067	0.2059	-0.0008
17	10	Unbiased	0.2103	0.2096	-0.0007
18	10	Unbiased	0.2079	0.2074	-0.0005
19	10	Unbiased	0.2058	0.2053	-0.0005
20	10	Unbiased	0.2079	0.2074	-0.0005
21	30	Biased	0.2044	0.2037	-0.0007
22	30	Biased	0.2043	0.2033	-0.001
23	30	Biased	0.208	0.2072	-0.0008
24	30	Biased	0.2062	0.2053	-0.0009
25	30	Biased	0.2042	0.2032	-0.001
26	30	Unbiased	0.205	0.2043	-0.0007
27	30	Unbiased	0.2046	0.2036	-0.001
28	30	Unbiased	0.2045	0.2037	-0.0008
29	30	Unbiased	0.2052	0.2043	-0.0009
30	30	Unbiased	0.2051	0.2041	-0.001
31	50	Biased	0.2086	0.2075	-0.0011
32	50	Biased	0.2051	0.2041	-0.001
33	50	Biased	0.2047	0.2035	-0.0012
34	50	Biased	0.2113	0.2103	-0.001
35	50	Biased	0.208	0.2069	-0.0011
36	50	Unbiased	0.2061	0.2049	-0.0012
37	50	Unbiased	0.2055	0.2044	-0.0011
38	50	Unbiased	0.2052	0.2041	-0.0011
39	50	Unbiased	0.2051	0.2039	-0.0012
40	50	Unbiased	0.2059	0.2047	-0.0012
41	100	Biased	0.2047	0.2032	-0.0015
42	100	Biased	0.2048	0.2033	-0.0015
43	100	Biased	0.2058	0.2044	-0.0014
44	100	Biased	0.2069	0.2053	-0.0016
45	100	Biased	0.2045	0.203	-0.0015
46	100	Unbiased	0.2066	0.2047	-0.0019
47	100	Unbiased	0.2135	0.2118	-0.0017
48	100	Unbiased	0.2086	0.2069	-0.0017
49	100	Unbiased	0.2045	0.2032	-0.0013
50	100	Unbiased	0.2053	0.2041	-0.0012
51	0	Correlation	0.2047	0.2043	-0.0004
52	0	Correlation	0.2107	0.2102	-0.0005
53	0	Correlation	0.2055	0.205	-0.0005
54	0	Correlation	0.2052	0.2045	-0.0007
55	0	Correlation	0.2049	0.2042	-0.0007

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	0.2047	0.2062	0.2107	0.0025338	0.2042	0.20564	0.2102	0.0025677	-0.0007	-0.00056	-0.0004	0.00013416
3	0.204	0.20608	0.2085	0.0014958	0.2034	0.20537	0.2078	0.0014599	-0.0009	-0.00071	-0.0006	9.9443e-05
10	0.2042	0.20635	0.2103	0.0018751	0.2036	0.20572	0.2096	0.001889	-0.0008	-0.00063	-0.0005	0.00010593
30	0.2042	0.20515	0.208	0.0011626	0.2032	0.20427	0.2072	0.0011954	-0.001	-0.00088	-0.0007	0.00012293
50	0.2047	0.20655	0.2113	0.0021094	0.2035	0.20543	0.2103	0.002151	-0.0012	-0.00112	-0.001	7.8881e-05
100	0.2045	0.20652	0.2135	0.0027816	0.203	0.20499	0.2118	0.0026785	-0.0019	-0.00153	-0.0012	0.00020575

Device Test: 6.86; VOL_WDO_2MA_OD





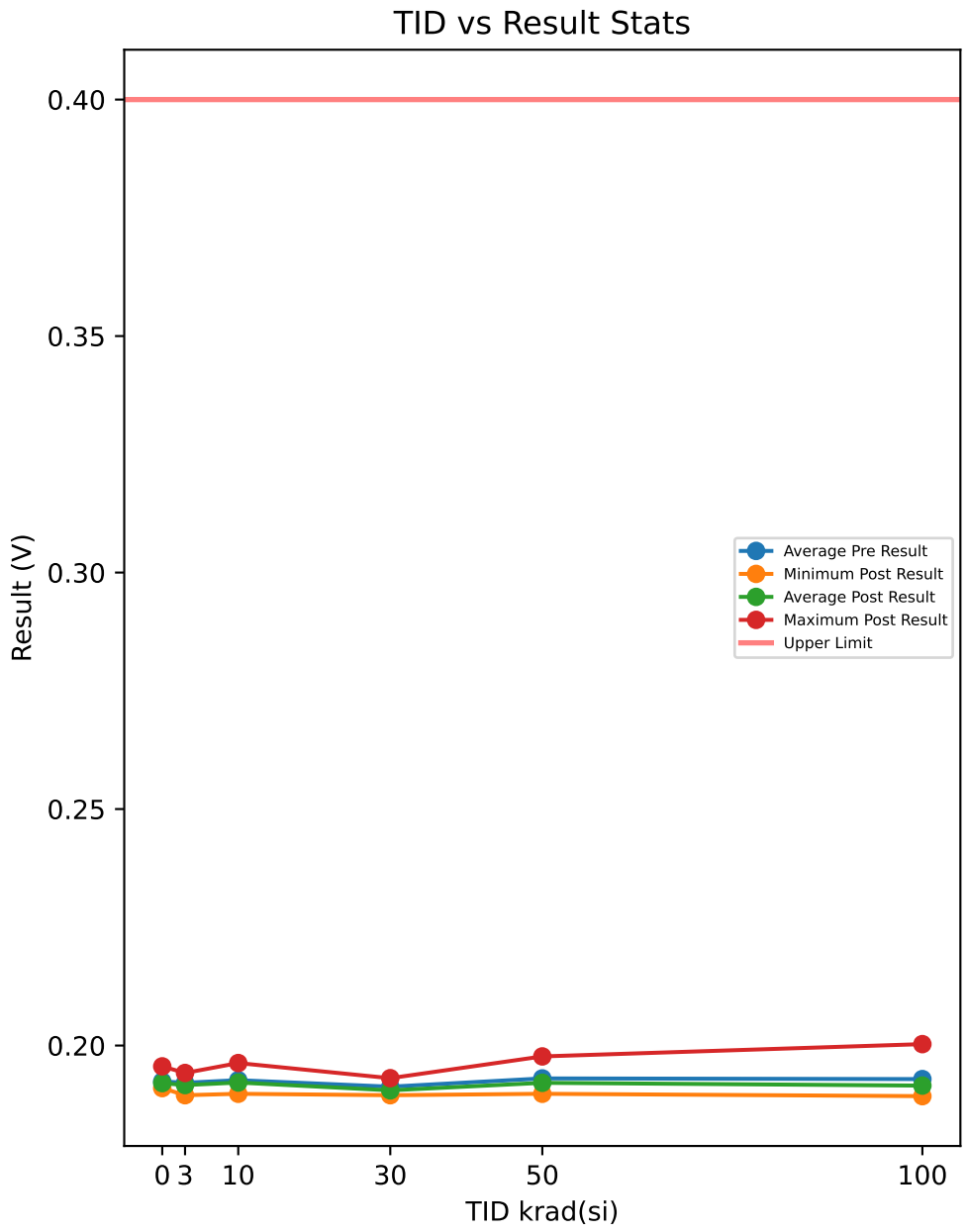
Test Results (Upper Limit = 0.4 (V))

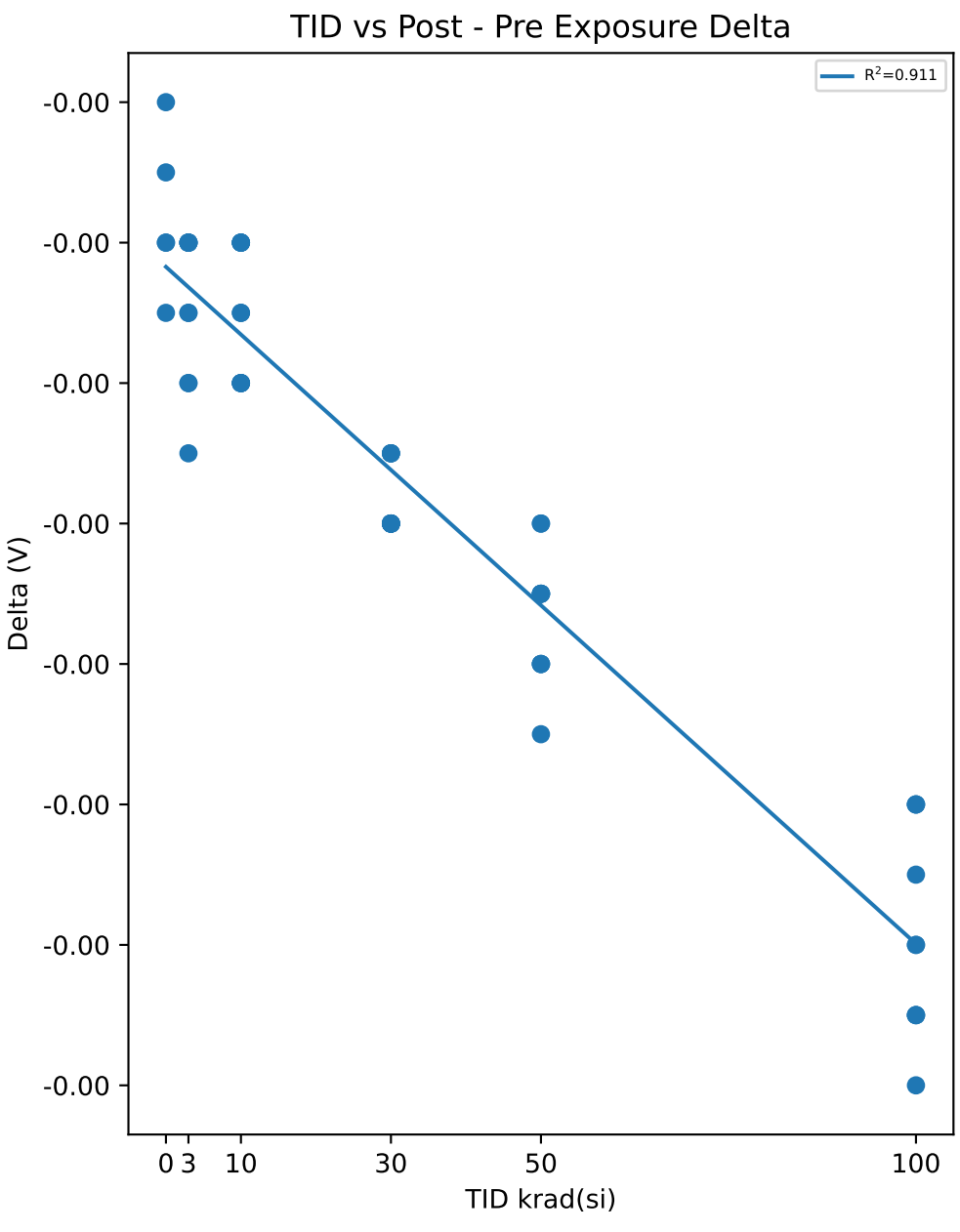
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.1938	0.1934	-0.0004
2	3	Biased	0.1955	0.195	-0.0005
3	3	Biased	0.1963	0.1957	-0.0006
4	3	Biased	0.1965	0.1959	-0.0006
5	3	Biased	0.193	0.1925	-0.0005
6	3	Unbiased	0.1944	0.1941	-0.0003
7	3	Unbiased	0.1974	0.197	-0.0004
8	3	Unbiased	0.1935	0.1933	-0.0002
9	3	Unbiased	0.1954	0.1949	-0.0005
10	3	Unbiased	0.1968	0.1965	-0.0003
11	10	Biased	0.1944	0.1941	-0.0003
12	10	Biased	0.1936	0.1933	-0.0003
13	10	Biased	0.1948	0.1945	-0.0003
14	10	Biased	0.1939	0.1935	-0.0004
15	10	Biased	0.1949	0.1946	-0.0003
16	10	Unbiased	0.1969	0.1965	-0.0004
17	10	Unbiased	0.2006	0.2003	-0.0003
18	10	Unbiased	0.1962	0.196	-0.0002
19	10	Unbiased	0.195	0.1945	-0.0005
20	10	Unbiased	0.198	0.1977	-0.0003
21	30	Biased	0.1938	0.1933	-0.0005
22	30	Biased	0.1936	0.193	-0.0006
23	30	Biased	0.1966	0.1962	-0.0004
24	30	Biased	0.1954	0.1948	-0.0006
25	30	Biased	0.1929	0.1923	-0.0006
26	30	Unbiased	0.1948	0.1943	-0.0005
27	30	Unbiased	0.1944	0.1937	-0.0007
28	30	Unbiased	0.1932	0.1926	-0.0006
29	30	Unbiased	0.1941	0.1934	-0.0007
30	30	Unbiased	0.1934	0.1927	-0.0007
31	50	Biased	0.1993	0.1984	-0.0009
32	50	Biased	0.1943	0.1935	-0.0008
33	50	Biased	0.1946	0.1937	-0.0009
34	50	Biased	0.2013	0.2006	-0.0007
35	50	Biased	0.1975	0.1968	-0.0007
36	50	Unbiased	0.1948	0.1942	-0.0006
37	50	Unbiased	0.1947	0.194	-0.0007
38	50	Unbiased	0.1942	0.1935	-0.0007
39	50	Unbiased	0.1943	0.1935	-0.0008
40	50	Unbiased	0.1951	0.1944	-0.0007
41	100	Biased	0.1941	0.1929	-0.0012
42	100	Biased	0.1942	0.1929	-0.0013
43	100	Biased	0.1956	0.1945	-0.0011
44	100	Biased	0.1961	0.1948	-0.0013
45	100	Biased	0.194	0.1928	-0.0012
46	100	Unbiased	0.1963	0.1948	-0.0015
47	100	Unbiased	0.205	0.2038	-0.0012
48	100	Unbiased	0.198	0.1968	-0.0012
49	100	Unbiased	0.1935	0.1925	-0.001
50	100	Unbiased	0.1946	0.1936	-0.001
51	0	Correlation	0.1941	0.194	-0.0001
52	0	Correlation	0.1991	0.199	-0.0001
53	0	Correlation	0.1943	0.1942	-0.0001
54	0	Correlation	0.1941	0.1938	-0.0003
55	0	Correlation	0.1944	0.1941	-0.0003

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	0.1941	0.1952	0.1991	0.002184	0.1938	0.19502	0.199	0.0022298	-0.0003	-0.00018	-0.0001	0.00010954
3	0.193	0.19526	0.1974	0.0015175	0.1925	0.19483	0.197	0.0014825	-0.0006	-0.00043	-0.0002	0.00013375
10	0.1936	0.19583	0.2006	0.0021628	0.1933	0.1955	0.2003	0.0021792	-0.0005	-0.00033	-0.0002	8.2327e-05
30	0.1929	0.19422	0.1966	0.0011282	0.1923	0.19363	0.1962	0.001187	-0.0007	-0.00059	-0.0004	9.9443e-05
50	0.1942	0.19601	0.2013	0.0024978	0.1935	0.19526	0.2006	0.0024927	-0.0009	-0.00075	-0.0006	9.7183e-05
100	0.1935	0.19614	0.205	0.0034014	0.1925	0.19494	0.2038	0.0033804	-0.0015	-0.0012	-0.001	0.00014907

Device Test: 6.87; VOL_PWRGD_2MA_OD





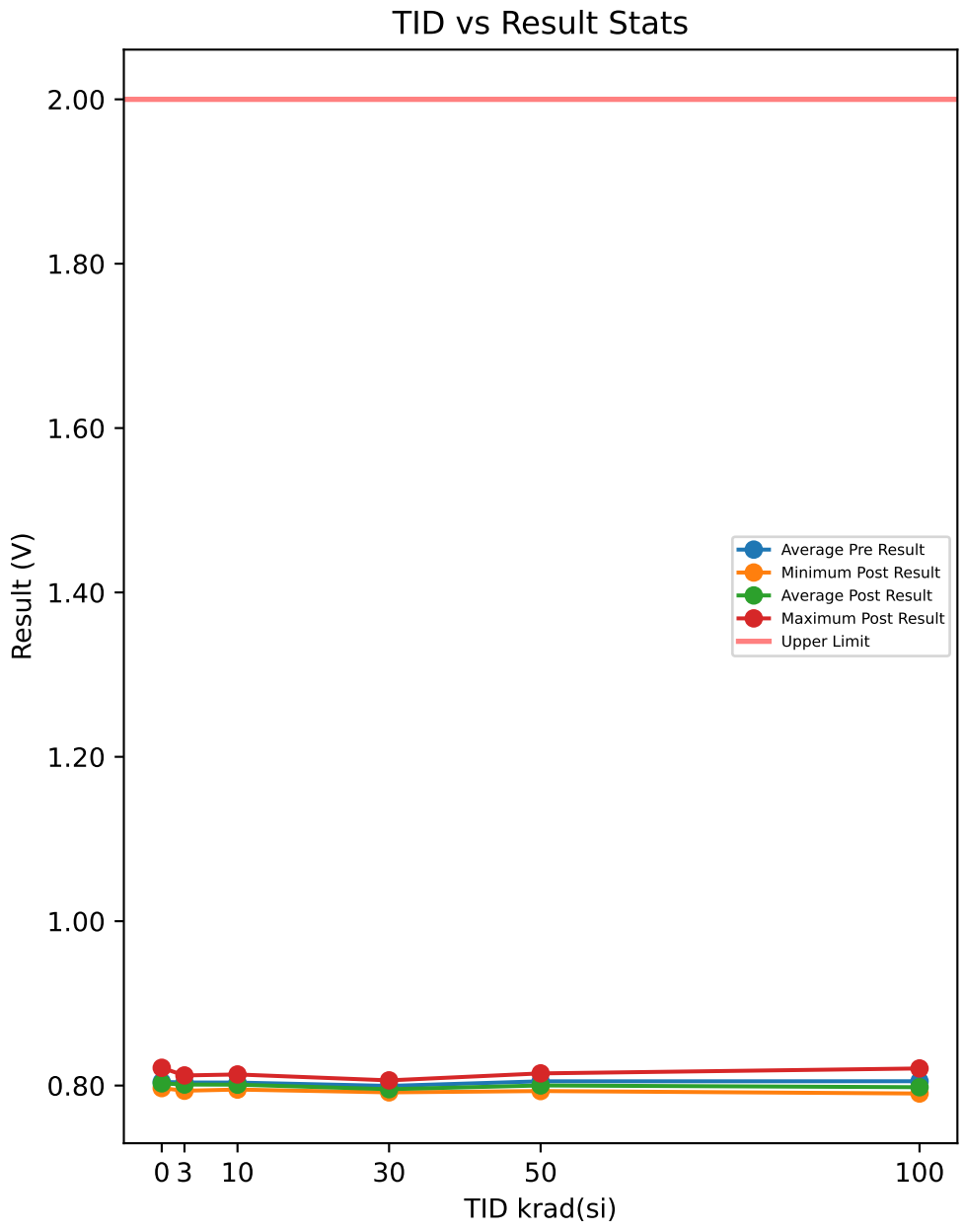
Test Results (Upper Limit = 0.4 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.1905	0.1899	-0.0006
2	3	Biased	0.1924	0.1917	-0.0007
3	3	Biased	0.1932	0.1926	-0.0006
4	3	Biased	0.1929	0.1924	-0.0005
5	3	Biased	0.19	0.1895	-0.0005
6	3	Unbiased	0.1911	0.1907	-0.0004
7	3	Unbiased	0.1946	0.1942	-0.0004
8	3	Unbiased	0.1908	0.1904	-0.0004
9	3	Unbiased	0.1921	0.1917	-0.0004
10	3	Unbiased	0.1937	0.1933	-0.0004
11	10	Biased	0.1912	0.1908	-0.0004
12	10	Biased	0.1904	0.1898	-0.0006
13	10	Biased	0.1915	0.1911	-0.0004
14	10	Biased	0.1909	0.1903	-0.0006
15	10	Biased	0.1917	0.1911	-0.0006
16	10	Unbiased	0.1935	0.1929	-0.0006
17	10	Unbiased	0.1968	0.1963	-0.0005
18	10	Unbiased	0.1936	0.1932	-0.0004
19	10	Unbiased	0.1923	0.1918	-0.0005
20	10	Unbiased	0.1949	0.1945	-0.0004
21	30	Biased	0.1906	0.1899	-0.0007
22	30	Biased	0.1909	0.1901	-0.0008
23	30	Biased	0.1938	0.1931	-0.0007
24	30	Biased	0.1926	0.1918	-0.0008
25	30	Biased	0.1903	0.1895	-0.0008
26	30	Unbiased	0.1913	0.1905	-0.0008
27	30	Unbiased	0.1908	0.19	-0.0008
28	30	Unbiased	0.1904	0.1897	-0.0007
29	30	Unbiased	0.1915	0.1907	-0.0008
30	30	Unbiased	0.1908	0.19	-0.0008
31	50	Biased	0.1962	0.1953	-0.0009
32	50	Biased	0.1907	0.1898	-0.0009
33	50	Biased	0.1917	0.1907	-0.001
34	50	Biased	0.1985	0.1977	-0.0008
35	50	Biased	0.1943	0.1935	-0.0008
36	50	Unbiased	0.1919	0.1909	-0.001
37	50	Unbiased	0.1921	0.1911	-0.001
38	50	Unbiased	0.1913	0.1904	-0.0009
39	50	Unbiased	0.1916	0.1905	-0.0011
40	50	Unbiased	0.1922	0.1913	-0.0009
41	100	Biased	0.1909	0.1897	-0.0012
42	100	Biased	0.191	0.1896	-0.0014
43	100	Biased	0.1919	0.1906	-0.0013
44	100	Biased	0.1931	0.1917	-0.0014
45	100	Biased	0.1908	0.1893	-0.0015
46	100	Unbiased	0.1928	0.1912	-0.0016
47	100	Unbiased	0.2018	0.2003	-0.0015
48	100	Unbiased	0.1948	0.1933	-0.0015
49	100	Unbiased	0.1907	0.1895	-0.0012
50	100	Unbiased	0.1913	0.1901	-0.0012
51	0	Correlation	0.1915	0.1913	-0.0002
52	0	Correlation	0.1959	0.1956	-0.0003
53	0	Correlation	0.1916	0.1912	-0.0004
54	0	Correlation	0.1915	0.191	-0.0005
55	0	Correlation	0.1916	0.1912	-0.0004

Test Statistics (V)

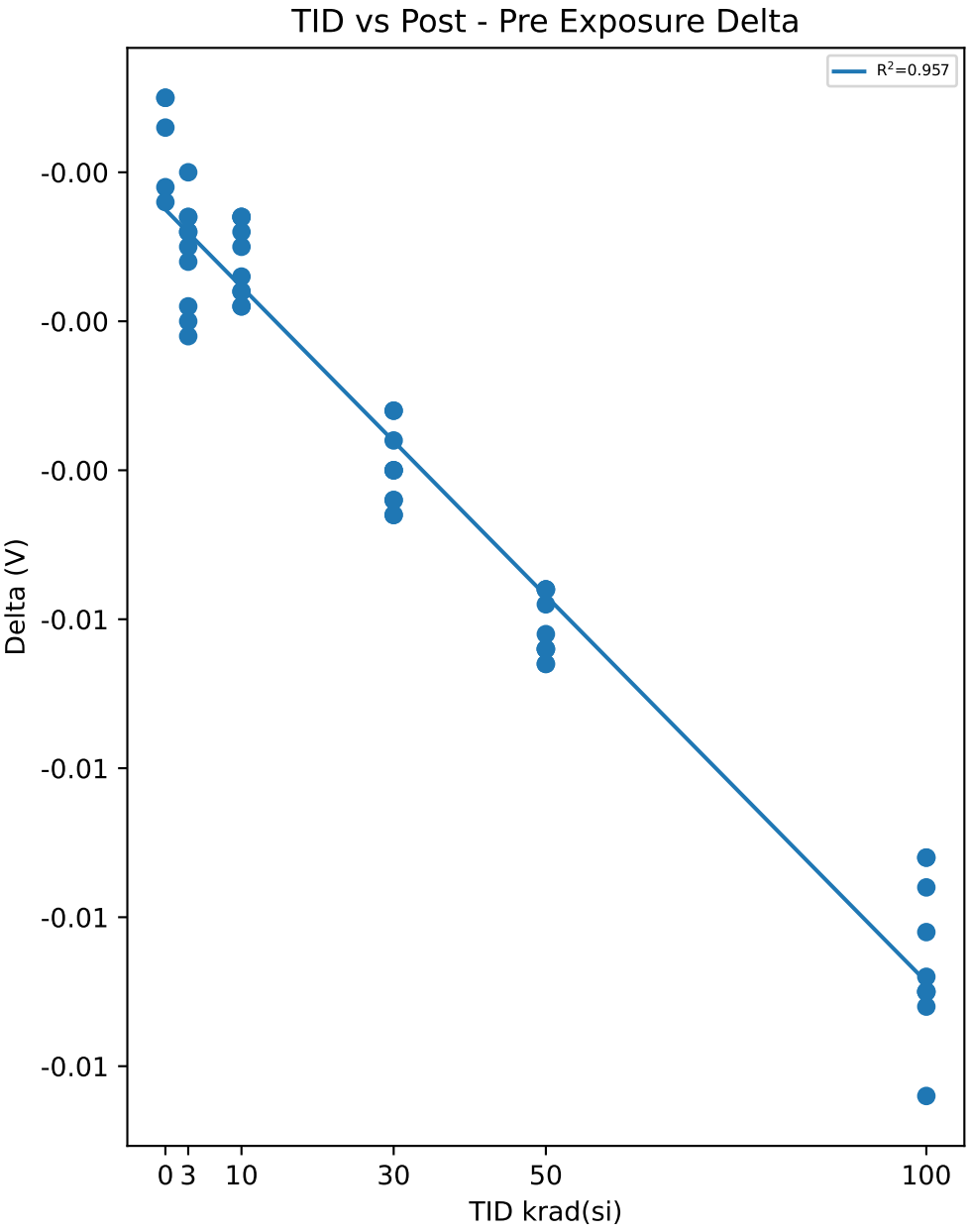
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.1915	0.19242	0.1959	0.001946	0.191	0.19206	0.1956	0.0019819	-0.0005	-0.00036	-0.0002	0.00011402
3	0.19	0.19213	0.1946	0.0015056	0.1895	0.19164	0.1942	0.0015218	-0.0007	-0.00049	-0.0004	0.00011005
10	0.1904	0.19268	0.1968	0.0020132	0.1898	0.19218	0.1963	0.0020411	-0.0006	-0.0005	-0.0004	9.4281e-05
30	0.1903	0.1913	0.1938	0.0011025	0.1895	0.19053	0.1931	0.0011126	-0.0008	-0.00077	-0.0007	4.8305e-05
50	0.1907	0.19305	0.1985	0.0025088	0.1898	0.19212	0.1977	0.0025677	-0.0011	-0.00093	-0.0008	9.4868e-05
100	0.1907	0.19291	0.2018	0.0033877	0.1893	0.19153	0.2003	0.003321	-0.0016	-0.00138	-0.0012	0.00014757

Device Test: 6.88; VOL_RESET_10MA_OD



Test Results (Upper Limit = 2.0 (V))

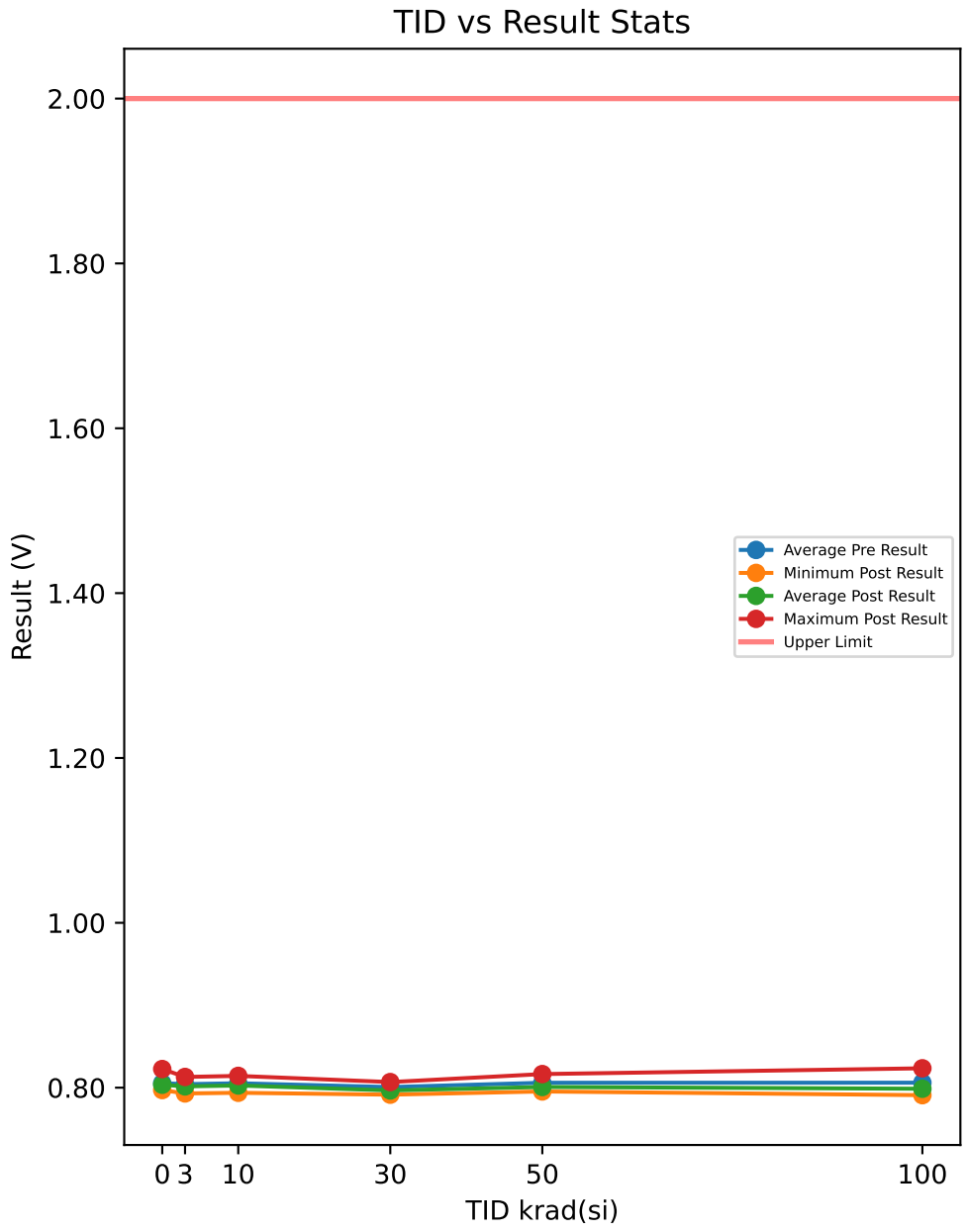
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7983	0.7954	-0.0029
2	3	Biased	0.8099	0.8068	-0.0031
3	3	Biased	0.8092	0.8062	-0.003
4	3	Biased	0.8044	0.8018	-0.0026
5	3	Biased	0.7961	0.7937	-0.0024
6	3	Unbiased	0.7992	0.7968	-0.0024
7	3	Unbiased	0.8146	0.8123	-0.0023
8	3	Unbiased	0.7973	0.7953	-0.002
9	3	Unbiased	0.8038	0.8015	-0.0023
10	3	Unbiased	0.8047	0.8022	-0.0025
11	10	Biased	0.7986	0.7957	-0.0029
12	10	Biased	0.7979	0.7951	-0.0028
13	10	Biased	0.8014	0.799	-0.0024
14	10	Biased	0.7985	0.7956	-0.0029
15	10	Biased	0.8012	0.7985	-0.0027
16	10	Unbiased	0.8057	0.8029	-0.0028
17	10	Unbiased	0.8158	0.8135	-0.0023
18	10	Unbiased	0.8086	0.8061	-0.0025
19	10	Unbiased	0.8006	0.7983	-0.0023
20	10	Unbiased	0.8082	0.8059	-0.0023
21	30	Biased	0.7973	0.7937	-0.0036
22	30	Biased	0.7969	0.7929	-0.004
23	30	Biased	0.8103	0.8063	-0.004
24	30	Biased	0.8014	0.7972	-0.0042
25	30	Biased	0.7962	0.7922	-0.004
26	30	Unbiased	0.8005	0.7967	-0.0038
27	30	Unbiased	0.7999	0.7957	-0.0042
28	30	Unbiased	0.7953	0.7917	-0.0036
29	30	Unbiased	0.8013	0.797	-0.0043
30	30	Unbiased	0.7964	0.7921	-0.0043
31	50	Biased	0.8151	0.8099	-0.0052
32	50	Biased	0.7995	0.7946	-0.0049
33	50	Biased	0.8029	0.7976	-0.0053
34	50	Biased	0.8196	0.8148	-0.0048
35	50	Biased	0.8083	0.8035	-0.0048
36	50	Unbiased	0.8022	0.7971	-0.0051
37	50	Unbiased	0.8025	0.7973	-0.0052
38	50	Unbiased	0.7995	0.7947	-0.0048
39	50	Unbiased	0.7986	0.7933	-0.0053
40	50	Unbiased	0.8035	0.7983	-0.0052
41	100	Biased	0.7996	0.7925	-0.0071
42	100	Biased	0.7979	0.7904	-0.0075
43	100	Biased	0.8036	0.7968	-0.0068
44	100	Biased	0.8052	0.7977	-0.0075
45	100	Biased	0.7999	0.7924	-0.0075
46	100	Unbiased	0.8086	0.8004	-0.0082
47	100	Unbiased	0.8282	0.8208	-0.0074
48	100	Unbiased	0.8123	0.8047	-0.0076
49	100	Unbiased	0.7969	0.7903	-0.0066
50	100	Unbiased	0.8002	0.7936	-0.0066
51	0	Correlation	0.7987	0.7972	-0.0015
52	0	Correlation	0.8231	0.8216	-0.0015
53	0	Correlation	0.8008	0.7991	-0.0017
54	0	Correlation	0.7991	0.7969	-0.0022
55	0	Correlation	0.8007	0.7986	-0.0021

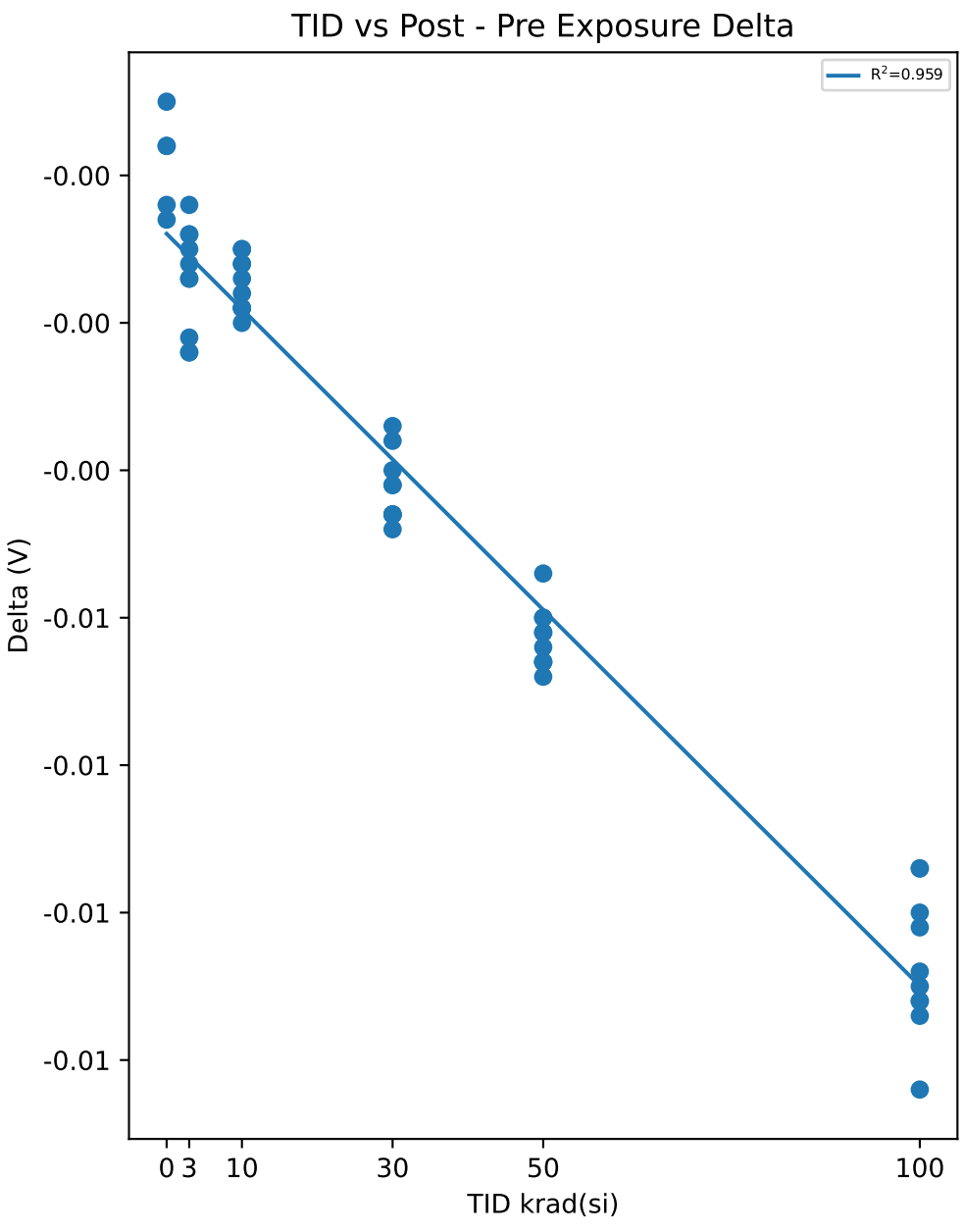


Test Statistics (V)

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	0.7987	0.80448	0.8231	0.010451	0.7969	0.80268	0.8216	0.010617	-0.0022	-0.0018	-0.0015	0.00033166
3	0.7961	0.80375	0.8146	0.0061201	0.7937	0.8012	0.8123	0.00601	-0.0031	-0.00255	-0.002	0.0003504
10	0.7979	0.80365	0.8158	0.0057974	0.7951	0.80106	0.8135	0.0059577	-0.0029	-0.00259	-0.0023	0.00025582
30	0.7953	0.79955	0.8103	0.0044016	0.7917	0.79555	0.8063	0.0043477	-0.0043	-0.004	-0.0036	0.00026247
50	0.7986	0.80517	0.8196	0.0070552	0.7933	0.80011	0.8148	0.0071155	-0.0053	-0.00506	-0.0048	0.00021187
100	0.7969	0.80524	0.8282	0.0094289	0.7903	0.79796	0.8208	0.0092498	-0.0082	-0.00728	-0.0066	0.00050509

Device Test: 6.89; VOL_RESET_10MA_OD





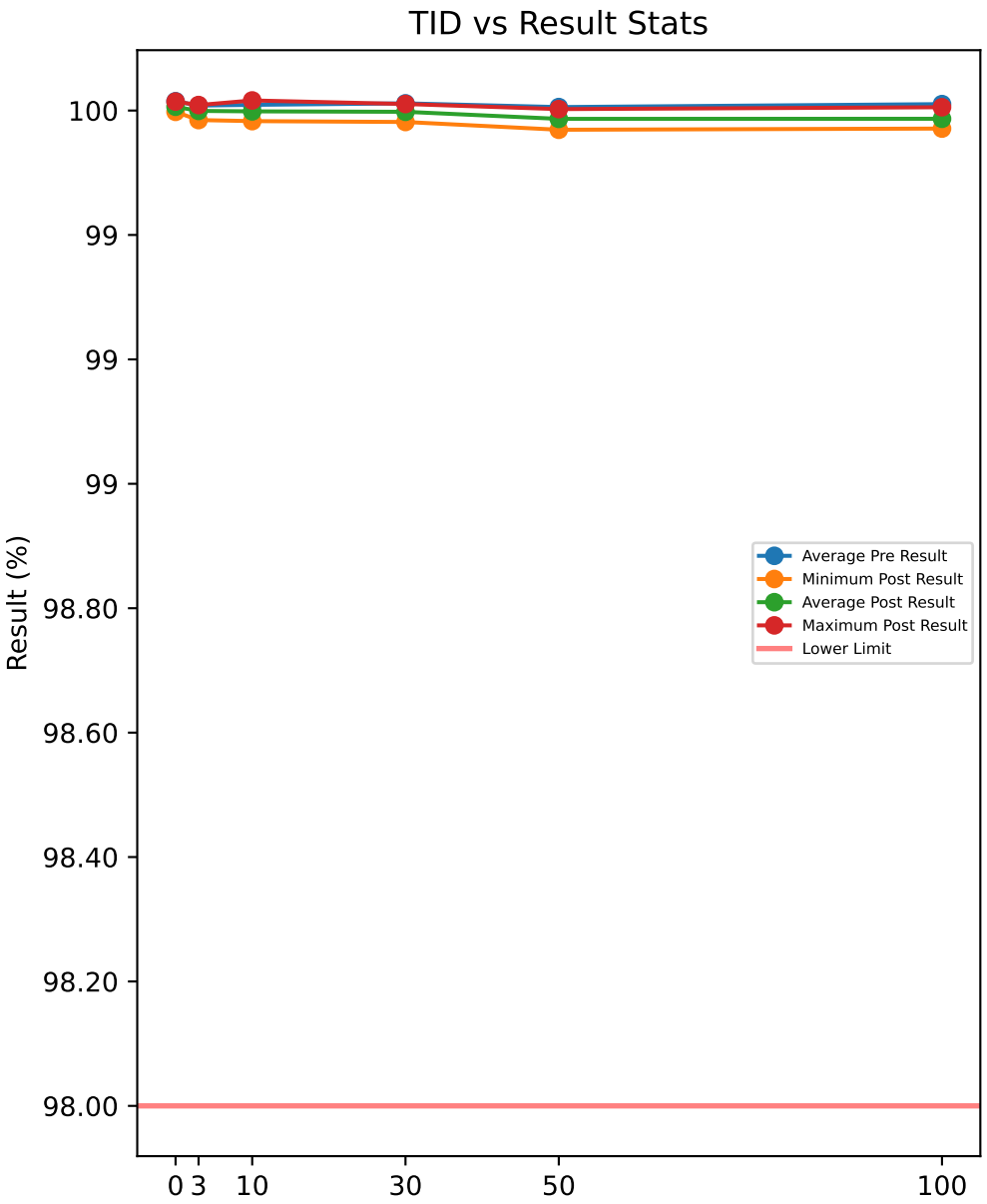
Test Results (Upper Limit = 2.0 (V))

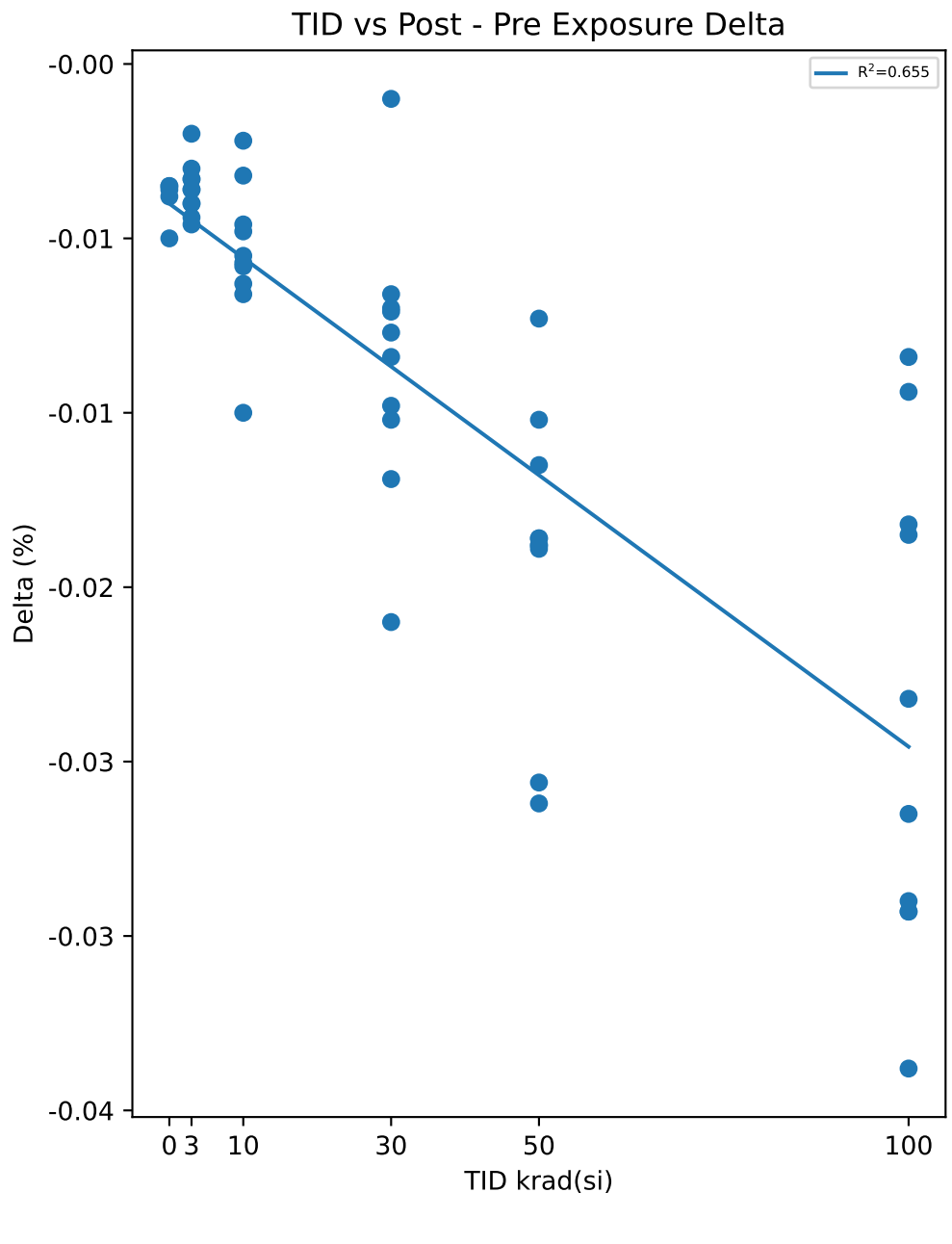
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7975	0.7943	-0.0032
2	3	Biased	0.8066	0.8035	-0.0031
3	3	Biased	0.8106	0.8074	-0.0032
4	3	Biased	0.8075	0.8048	-0.0027
5	3	Biased	0.7955	0.793	-0.0025
6	3	Unbiased	0.8008	0.7982	-0.0026
7	3	Unbiased	0.8154	0.813	-0.0024
8	3	Unbiased	0.8003	0.7981	-0.0022
9	3	Unbiased	0.8015	0.7991	-0.0024
10	3	Unbiased	0.8068	0.8041	-0.0027
11	10	Biased	0.8004	0.7975	-0.0029
12	10	Biased	0.7967	0.7938	-0.0029
13	10	Biased	0.8053	0.8025	-0.0028
14	10	Biased	0.8004	0.7974	-0.003
15	10	Biased	0.8031	0.8004	-0.0027
16	10	Unbiased	0.8078	0.8049	-0.0029
17	10	Unbiased	0.8169	0.8143	-0.0026
18	10	Unbiased	0.8111	0.8085	-0.0026
19	10	Unbiased	0.8027	0.8002	-0.0025
20	10	Unbiased	0.8093	0.8068	-0.0025
21	30	Biased	0.7985	0.7948	-0.0037
22	30	Biased	0.7992	0.7951	-0.0041
23	30	Biased	0.8108	0.8068	-0.004
24	30	Biased	0.8045	0.8001	-0.0044
25	30	Biased	0.7958	0.7915	-0.0043
26	30	Unbiased	0.8015	0.7974	-0.0041
27	30	Unbiased	0.8013	0.797	-0.0043
28	30	Unbiased	0.7975	0.7937	-0.0038
29	30	Unbiased	0.801	0.7967	-0.0043
30	30	Unbiased	0.7974	0.7931	-0.0043
31	50	Biased	0.8137	0.8084	-0.0053
32	50	Biased	0.8025	0.7975	-0.005
33	50	Biased	0.802	0.7967	-0.0053
34	50	Biased	0.8212	0.8165	-0.0047
35	50	Biased	0.8099	0.8049	-0.005
36	50	Unbiased	0.8039	0.7988	-0.0051
37	50	Unbiased	0.8026	0.7973	-0.0053
38	50	Unbiased	0.8005	0.7954	-0.0051
39	50	Unbiased	0.8015	0.7961	-0.0054
40	50	Unbiased	0.8019	0.7967	-0.0052
41	100	Biased	0.7993	0.7922	-0.0071
42	100	Biased	0.7995	0.7919	-0.0076
43	100	Biased	0.8027	0.7957	-0.007
44	100	Biased	0.8075	0.8	-0.0075
45	100	Biased	0.8009	0.7933	-0.0076
46	100	Unbiased	0.8079	0.7997	-0.0082
47	100	Unbiased	0.8309	0.8235	-0.0074
48	100	Unbiased	0.8142	0.8065	-0.0077
49	100	Unbiased	0.7976	0.7909	-0.0067
50	100	Unbiased	0.7999	0.7932	-0.0067
51	0	Correlation	0.8004	0.7989	-0.0015
52	0	Correlation	0.8244	0.8226	-0.0018
53	0	Correlation	0.7989	0.7971	-0.0018
54	0	Correlation	0.8032	0.801	-0.0022
55	0	Correlation	0.8005	0.7982	-0.0023

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	0.7989	0.80548	0.8244	0.01069	0.7971	0.80356	0.8226	0.010738	-0.0023	-0.00192	-0.0015	0.00032711
3	0.7955	0.80425	0.8154	0.0061862	0.793	0.80155	0.813	0.0061553	-0.0032	-0.0027	-0.0022	0.0003559
10	0.7967	0.80537	0.8169	0.0059998	0.7938	0.80263	0.8143	0.0061076	-0.003	-0.00274	-0.0025	0.00018379
30	0.7958	0.80075	0.8108	0.0043429	0.7915	0.79662	0.8068	0.0043366	-0.0044	-0.00413	-0.0037	0.00023594
50	0.8005	0.80597	0.8212	0.0068074	0.7954	0.80083	0.8165	0.0069367	-0.0054	-0.00514	-0.0047	0.00020656
100	0.7976	0.80604	0.8309	0.010137	0.7909	0.79869	0.8235	0.0099795	-0.0082	-0.00735	-0.0067	0.00047434

Device Test: 6.9; VLDO_DO





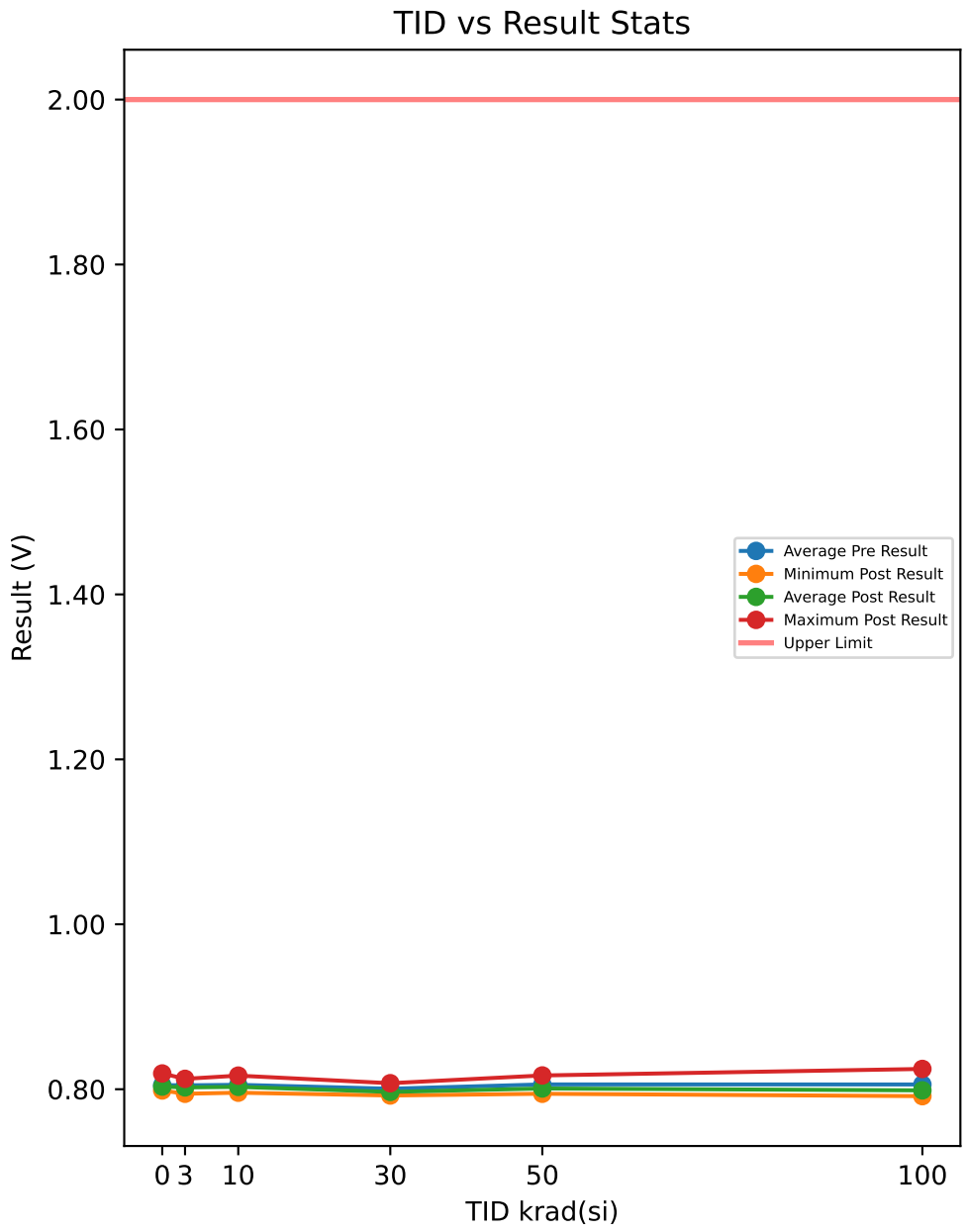
Test Results (Lower Limit = 98.0 (%))

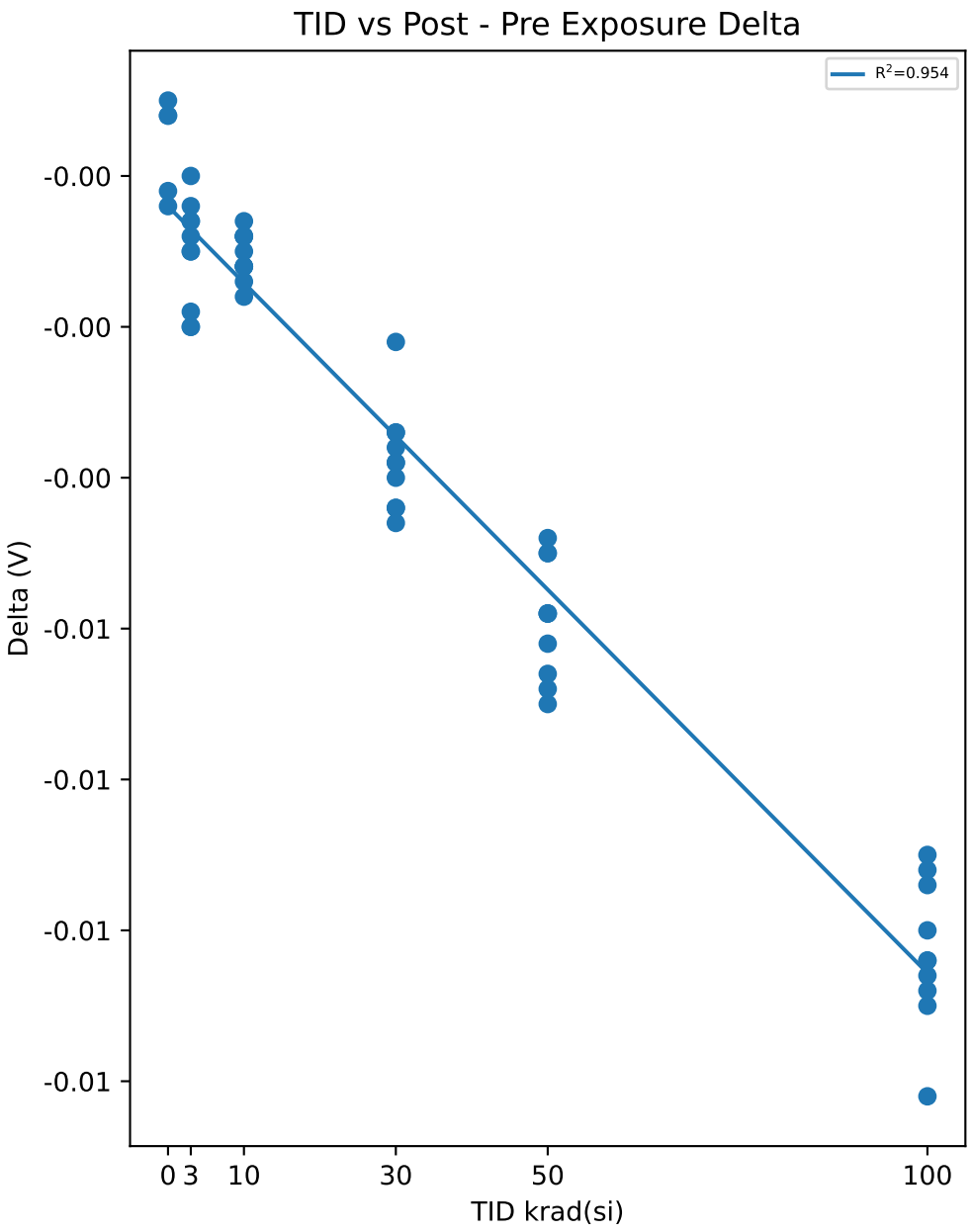
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	99.608	99.6	-0.0086
2	3	Biased	99.616	99.607	-0.0086
3	3	Biased	99.616	99.607	-0.009
4	3	Biased	99.604	99.597	-0.007
5	3	Biased	99.594	99.585	-0.0094
6	3	Unbiased	99.611	99.603	-0.008
7	3	Unbiased	99.617	99.609	-0.0083
8	3	Unbiased	99.598	99.59	-0.0083
9	3	Unbiased	99.608	99.599	-0.009
10	3	Unbiased	99.608	99.598	-0.0096
11	10	Biased	99.602	99.59	-0.0116
12	10	Biased	99.615	99.6	-0.015
13	10	Biased	99.611	99.6	-0.0107
14	10	Biased	99.613	99.605	-0.0082
15	10	Biased	99.599	99.589	-0.0096
16	10	Unbiased	99.603	99.596	-0.0072
17	10	Unbiased	99.614	99.604	-0.0098
18	10	Unbiased	99.614	99.603	-0.0108
19	10	Unbiased	99.594	99.583	-0.0105
20	10	Unbiased	99.627	99.616	-0.0113
21	30	Biased	99.606	99.594	-0.012
22	30	Biased	99.616	99.601	-0.0148
23	30	Biased	99.624	99.611	-0.0134
24	30	Biased	99.606	99.589	-0.0169
25	30	Biased	99.614	99.608	-0.006
26	30	Unbiased	99.607	99.596	-0.0116
27	30	Unbiased	99.613	99.601	-0.0121
28	30	Unbiased	99.603	99.582	-0.021
29	30	Unbiased	99.608	99.592	-0.0152
30	30	Unbiased	99.62	99.607	-0.0127
31	50	Biased	99.603	99.587	-0.0165
32	50	Biased	99.619	99.593	-0.0256
33	50	Biased	99.596	99.577	-0.0188
34	50	Biased	99.595	99.569	-0.0262
35	50	Biased	99.618	99.602	-0.0152
36	50	Unbiased	99.596	99.577	-0.0189
37	50	Unbiased	99.612	99.594	-0.0186
38	50	Unbiased	99.619	99.6	-0.0188
39	50	Unbiased	99.607	99.595	-0.0123
40	50	Unbiased	99.591	99.573	-0.0186
41	100	Biased	99.613	99.598	-0.0144
42	100	Biased	99.605	99.571	-0.0338
43	100	Biased	99.619	99.605	-0.0134
44	100	Biased	99.612	99.586	-0.0265
45	100	Biased	99.603	99.573	-0.0293
46	100	Unbiased	99.623	99.594	-0.0293
47	100	Unbiased	99.619	99.596	-0.0232
48	100	Unbiased	99.609	99.58	-0.029
49	100	Unbiased	99.597	99.579	-0.0185
50	100	Unbiased	99.603	99.585	-0.0182
51	0	Correlation	99.606	99.598	-0.0085
52	0	Correlation	99.624	99.614	-0.01
53	0	Correlation	99.614	99.605	-0.0085
54	0	Correlation	99.617	99.608	-0.0086
55	0	Correlation	99.614	99.605	-0.0088

Test Statistics (%)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	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	99.615	99.624	0.0065348	99.598	99.606	99.614	0.0060122	-0.01	-0.00888	-0.0085	0.00063797
3	99.594	99.608	99.617	0.0076526	99.585	99.599	99.609	0.0077287	-0.0096	-0.00858	-0.007	0.00074952
10	99.594	99.609	99.627	0.0098723	99.583	99.599	99.616	0.0094935	-0.015	-0.01047	-0.0072	0.0021003
30	99.603	99.612	99.624	0.0069057	99.582	99.598	99.611	0.0092006	-0.021	-0.01357	-0.006	0.0039024
50	99.591	99.606	99.619	0.010828	99.569	99.587	99.602	0.011953	-0.0262	-0.01895	-0.0123	0.0042343
100	99.597	99.61	99.623	0.0084673	99.571	99.587	99.605	0.011358	-0.0338	-0.02356	-0.0134	0.0070757

Device Test: 6.90; VOL_RESET_10MA_OD





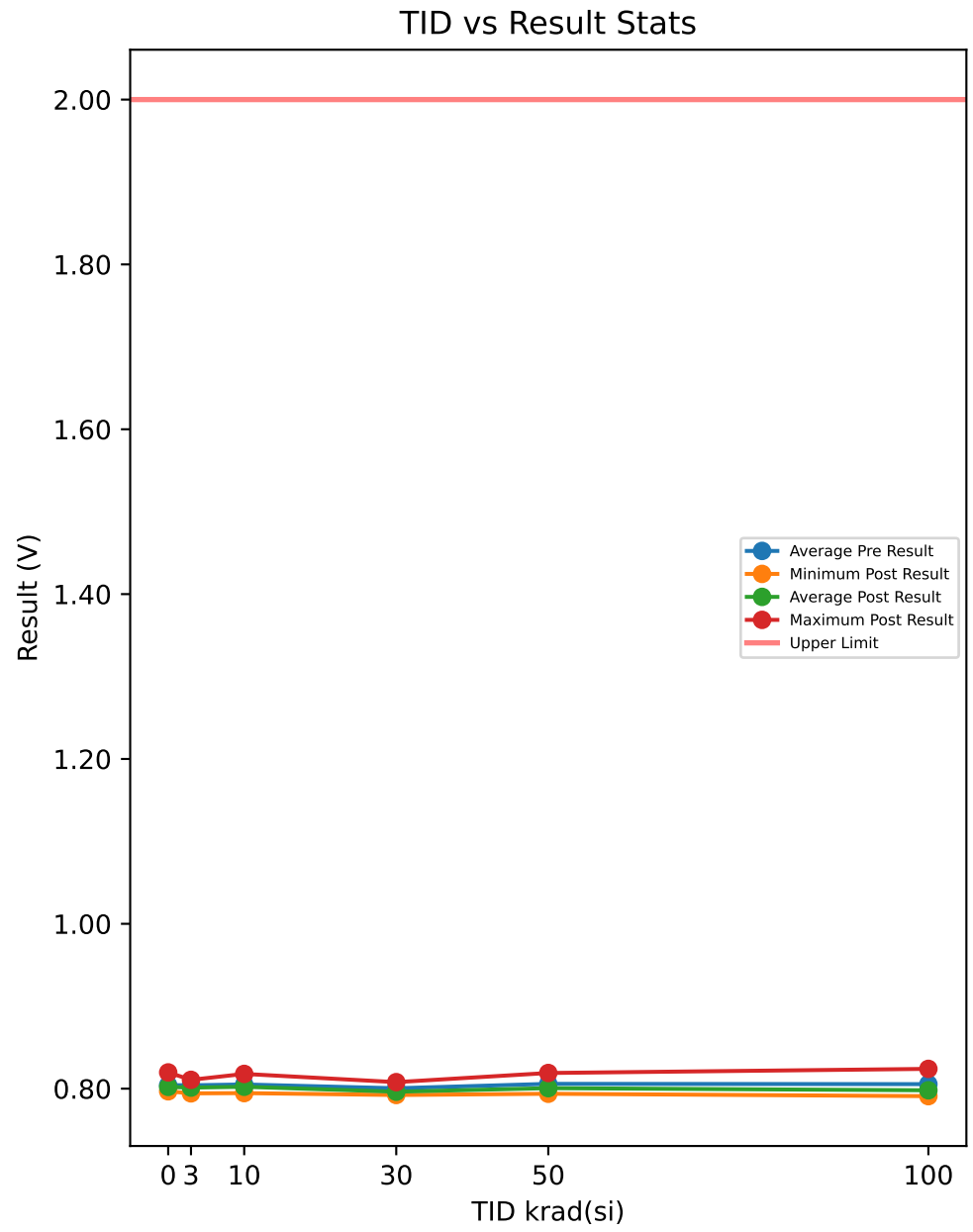
Test Results (Upper Limit = 2.0 (V))

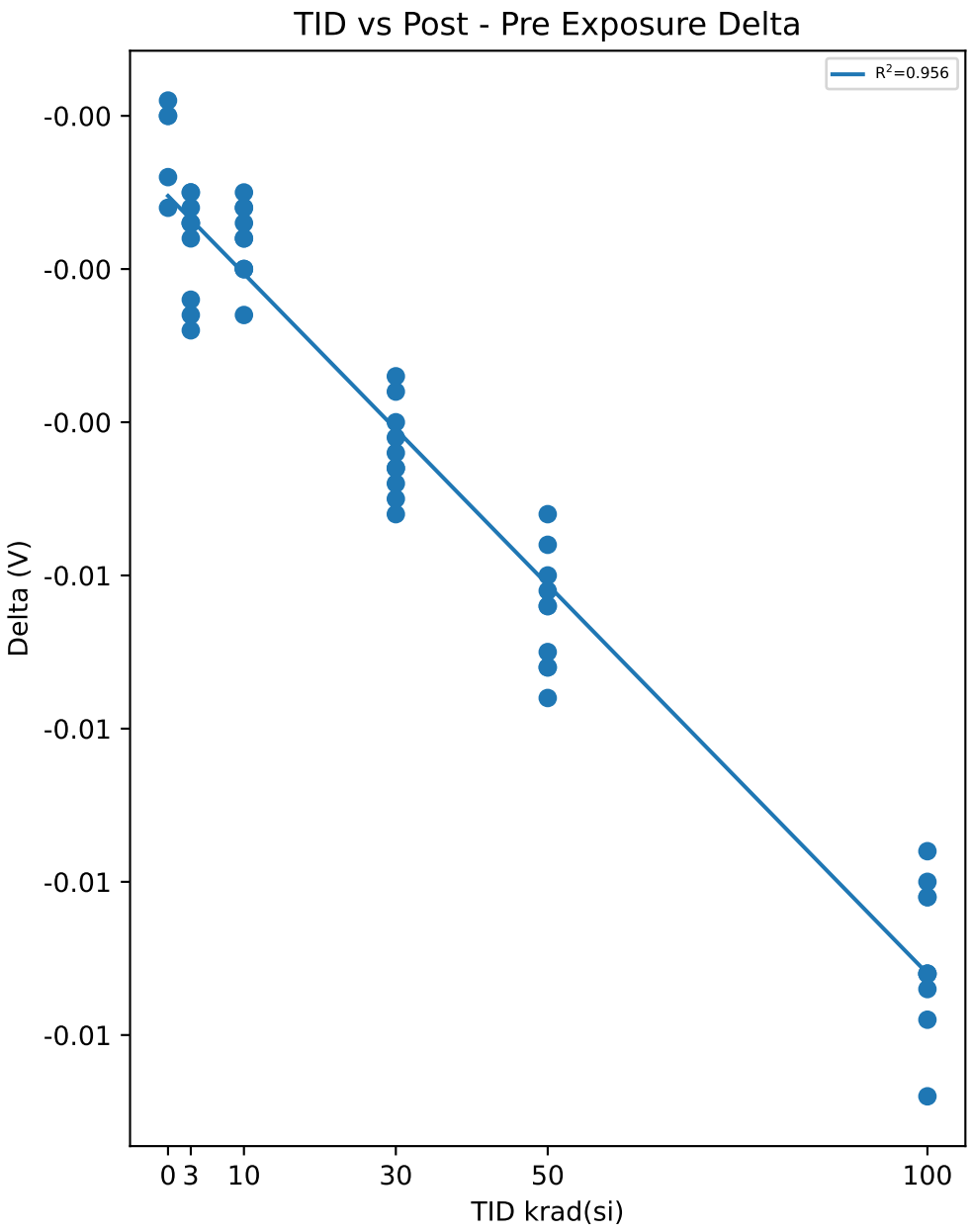
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7975	0.7945	-0.003
2	3	Biased	0.8061	0.8031	-0.003
3	3	Biased	0.8103	0.8074	-0.0029
4	3	Biased	0.8058	0.8033	-0.0025
5	3	Biased	0.8	0.7975	-0.0025
6	3	Unbiased	0.803	0.8007	-0.0023
7	3	Unbiased	0.8148	0.8126	-0.0022
8	3	Unbiased	0.7975	0.7955	-0.002
9	3	Unbiased	0.806	0.8037	-0.0023
10	3	Unbiased	0.8062	0.8038	-0.0024
11	10	Biased	0.7985	0.7958	-0.0027
12	10	Biased	0.7985	0.7959	-0.0026
13	10	Biased	0.8048	0.8022	-0.0026
14	10	Biased	0.7996	0.797	-0.0026
15	10	Biased	0.803	0.8006	-0.0024
16	10	Unbiased	0.8065	0.8037	-0.0028
17	10	Unbiased	0.819	0.8165	-0.0025
18	10	Unbiased	0.8103	0.8079	-0.0024
19	10	Unbiased	0.8025	0.8001	-0.0024
20	10	Unbiased	0.8109	0.8086	-0.0023
21	30	Biased	0.8007	0.7976	-0.0031
22	30	Biased	0.7991	0.7954	-0.0037
23	30	Biased	0.811	0.8073	-0.0037
24	30	Biased	0.8043	0.8003	-0.004
25	30	Biased	0.7962	0.7924	-0.0038
26	30	Unbiased	0.8	0.7961	-0.0039
27	30	Unbiased	0.7985	0.7943	-0.0042
28	30	Unbiased	0.7964	0.7925	-0.0039
29	30	Unbiased	0.801	0.7967	-0.0043
30	30	Unbiased	0.7989	0.7947	-0.0042
31	50	Biased	0.8143	0.8094	-0.0049
32	50	Biased	0.8014	0.7969	-0.0045
33	50	Biased	0.8008	0.7959	-0.0049
34	50	Biased	0.8211	0.8167	-0.0044
35	50	Biased	0.8088	0.8043	-0.0045
36	50	Unbiased	0.8039	0.7986	-0.0053
37	50	Unbiased	0.8029	0.7975	-0.0054
38	50	Unbiased	0.7994	0.7945	-0.0049
39	50	Unbiased	0.8041	0.7986	-0.0055
40	50	Unbiased	0.8017	0.7966	-0.0051
41	100	Biased	0.7986	0.7916	-0.007
42	100	Biased	0.7994	0.7922	-0.0072
43	100	Biased	0.8032	0.7967	-0.0065
44	100	Biased	0.8065	0.7992	-0.0073
45	100	Biased	0.8008	0.7936	-0.0072
46	100	Unbiased	0.807	0.7989	-0.0081
47	100	Unbiased	0.832	0.8246	-0.0074
48	100	Unbiased	0.8132	0.8057	-0.0075
49	100	Unbiased	0.7987	0.7921	-0.0066
50	100	Unbiased	0.7983	0.7916	-0.0067
51	0	Correlation	0.8	0.7985	-0.0015
52	0	Correlation	0.8207	0.8191	-0.0016
53	0	Correlation	0.8011	0.7995	-0.0016
54	0	Correlation	0.8026	0.8004	-0.0022
55	0	Correlation	0.8006	0.7985	-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	0.8	0.805	0.8207	0.0088292	0.7985	0.8032	0.8191	0.0089236	-0.0022	-0.0018	-0.0015	0.00032404
3	0.7975	0.80472	0.8148	0.0054685	0.7945	0.80221	0.8126	0.0054828	-0.003	-0.00251	-0.002	0.00034785
10	0.7985	0.80536	0.819	0.0065303	0.7958	0.80283	0.8165	0.0065902	-0.0028	-0.00253	-0.0023	0.0001567
30	0.7962	0.80061	0.811	0.0043324	0.7924	0.79673	0.8073	0.0043977	-0.0043	-0.00388	-0.0031	0.00034577
50	0.7994	0.80584	0.8211	0.0069311	0.7945	0.8009	0.8167	0.0071184	-0.0055	-0.00494	-0.0044	0.0003893
100	0.7983	0.80577	0.832	0.010405	0.7916	0.79862	0.8246	0.010202	-0.0081	-0.00715	-0.0065	0.000479

Device Test: 6.91; VOL_RESET_10MA_OD





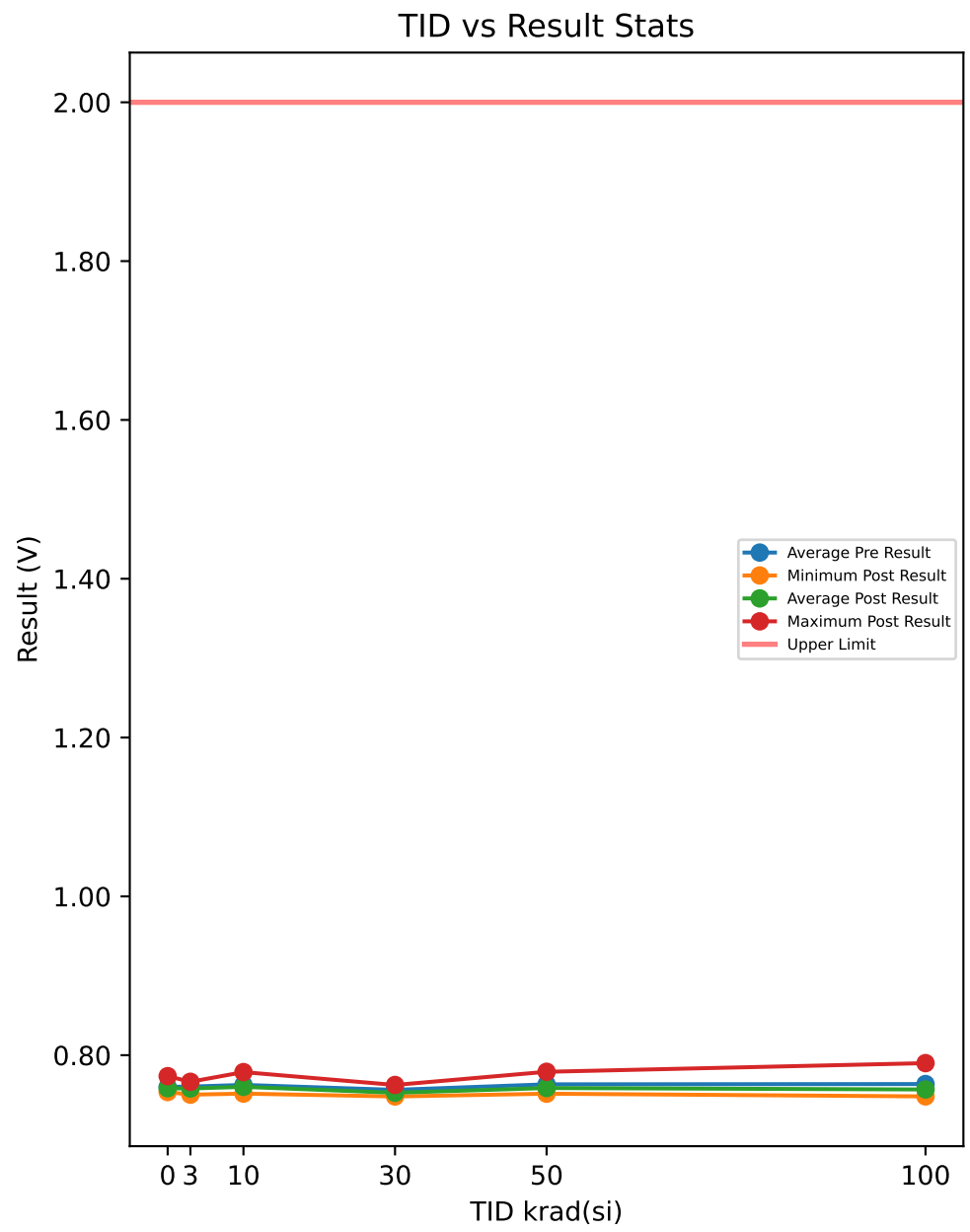
Test Results (Upper Limit = 2.0 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7997	0.7963	-0.0034
2	3	Biased	0.808	0.8047	-0.0033
3	3	Biased	0.8088	0.8056	-0.0032
4	3	Biased	0.806	0.8034	-0.0026
5	3	Biased	0.7971	0.7943	-0.0028
6	3	Unbiased	0.7991	0.7964	-0.0027
7	3	Unbiased	0.8132	0.8107	-0.0025
8	3	Unbiased	0.7969	0.7944	-0.0025
9	3	Unbiased	0.8051	0.8024	-0.0027
10	3	Unbiased	0.8069	0.8042	-0.0027
11	10	Biased	0.8014	0.7981	-0.0033
12	10	Biased	0.7979	0.7949	-0.003
13	10	Biased	0.8009	0.7981	-0.0028
14	10	Biased	0.7976	0.7946	-0.003
15	10	Biased	0.8021	0.7993	-0.0028
16	10	Unbiased	0.8067	0.8037	-0.003
17	10	Unbiased	0.8205	0.8179	-0.0026
18	10	Unbiased	0.8111	0.8084	-0.0027
19	10	Unbiased	0.8027	0.8001	-0.0026
20	10	Unbiased	0.8101	0.8076	-0.0025
21	30	Biased	0.7984	0.7947	-0.0037
22	30	Biased	0.7973	0.7933	-0.004
23	30	Biased	0.8117	0.8079	-0.0038
24	30	Biased	0.804	0.7997	-0.0043
25	30	Biased	0.7965	0.7923	-0.0042
26	30	Unbiased	0.8002	0.7959	-0.0043
27	30	Unbiased	0.7981	0.7936	-0.0045
28	30	Unbiased	0.7972	0.7931	-0.0041
29	30	Unbiased	0.8014	0.7968	-0.0046
30	30	Unbiased	0.7998	0.7954	-0.0044
31	50	Biased	0.8138	0.8087	-0.0051
32	50	Biased	0.801	0.796	-0.005
33	50	Biased	0.799	0.7938	-0.0052
34	50	Biased	0.8236	0.819	-0.0046
35	50	Biased	0.8111	0.8063	-0.0048
36	50	Unbiased	0.8039	0.7983	-0.0056
37	50	Unbiased	0.8024	0.7968	-0.0056
38	50	Unbiased	0.8005	0.7953	-0.0052
39	50	Unbiased	0.8002	0.7944	-0.0058
40	50	Unbiased	0.8028	0.7973	-0.0055
41	100	Biased	0.7993	0.7922	-0.0071
42	100	Biased	0.7985	0.7909	-0.0076
43	100	Biased	0.8021	0.7953	-0.0068
44	100	Biased	0.8068	0.7992	-0.0076
45	100	Biased	0.7986	0.7909	-0.0077
46	100	Unbiased	0.8054	0.797	-0.0084
47	100	Unbiased	0.8316	0.824	-0.0076
48	100	Unbiased	0.8127	0.8048	-0.0079
49	100	Unbiased	0.7983	0.7913	-0.007
50	100	Unbiased	0.8016	0.7945	-0.0071
51	0	Correlation	0.7987	0.7968	-0.0019
52	0	Correlation	0.8217	0.8197	-0.002
53	0	Correlation	0.8002	0.7982	-0.002
54	0	Correlation	0.8015	0.7989	-0.0026
55	0	Correlation	0.7994	0.797	-0.0024

Test Statistics (V)

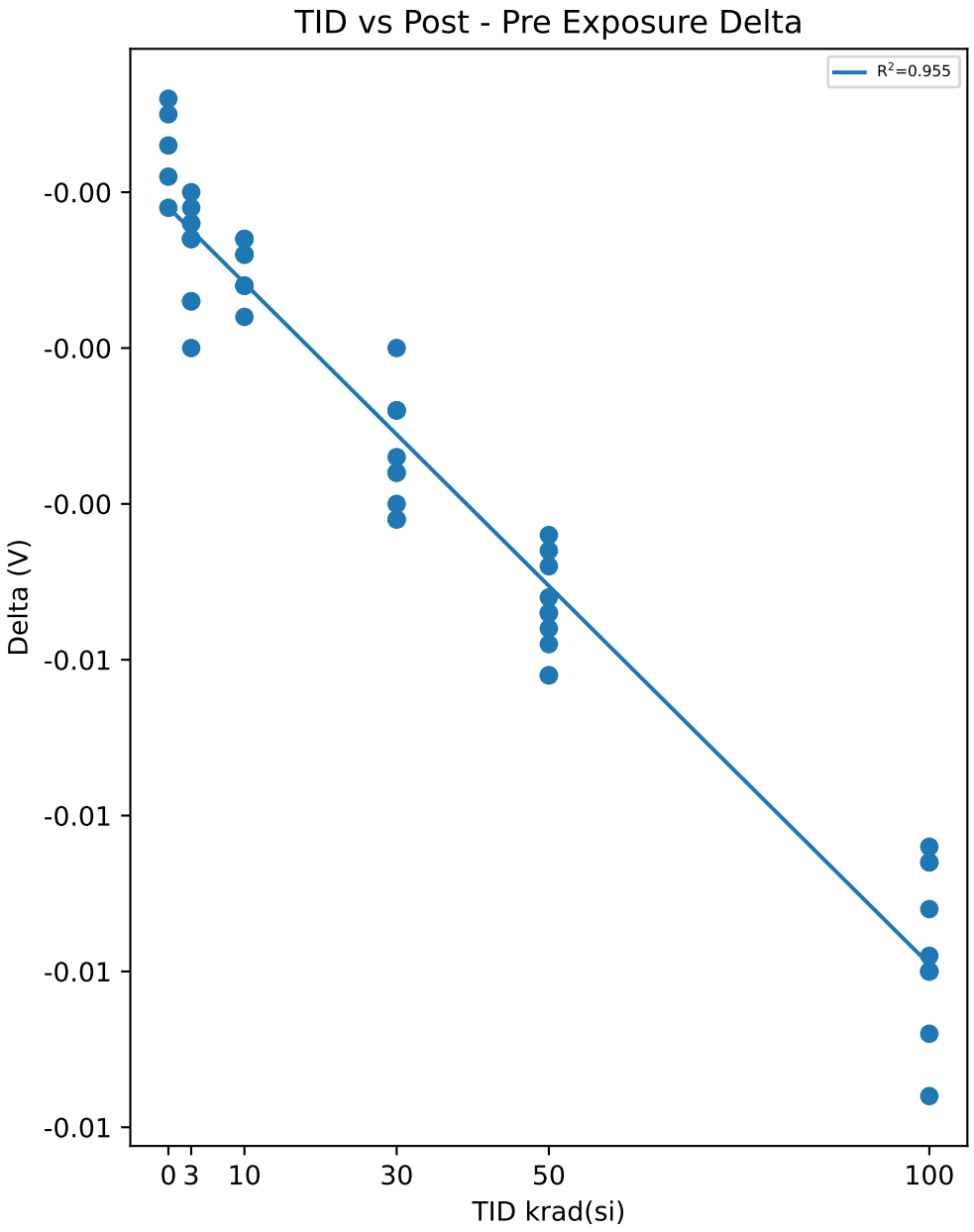
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7987	0.8043	0.8217	0.0097824	0.7968	0.80212	0.8197	0.0098654	-0.0026	-0.00218	-0.0019	0.00030332
3	0.7969	0.80408	0.8132	0.0055553	0.7943	0.80124	0.8107	0.005558	-0.0034	-0.00284	-0.0025	0.000334
10	0.7976	0.8051	0.8205	0.0071095	0.7946	0.80227	0.8179	0.0072555	-0.0033	-0.00283	-0.0025	0.00024518
30	0.7965	0.80046	0.8117	0.0045505	0.7923	0.79627	0.8079	0.0046239	-0.0046	-0.00419	-0.0037	0.00029231
50	0.799	0.80583	0.8236	0.0079009	0.7938	0.80059	0.819	0.0081732	-0.0058	-0.00524	-0.0046	0.00038355
100	0.7983	0.80549	0.8316	0.010265	0.7909	0.79801	0.824	0.01013	-0.0084	-0.00748	-0.0068	0.00048259

Device Test: 6.92; VOL_WDO_10MA_OD



Test Results (Upper Limit = 2.0 (V))

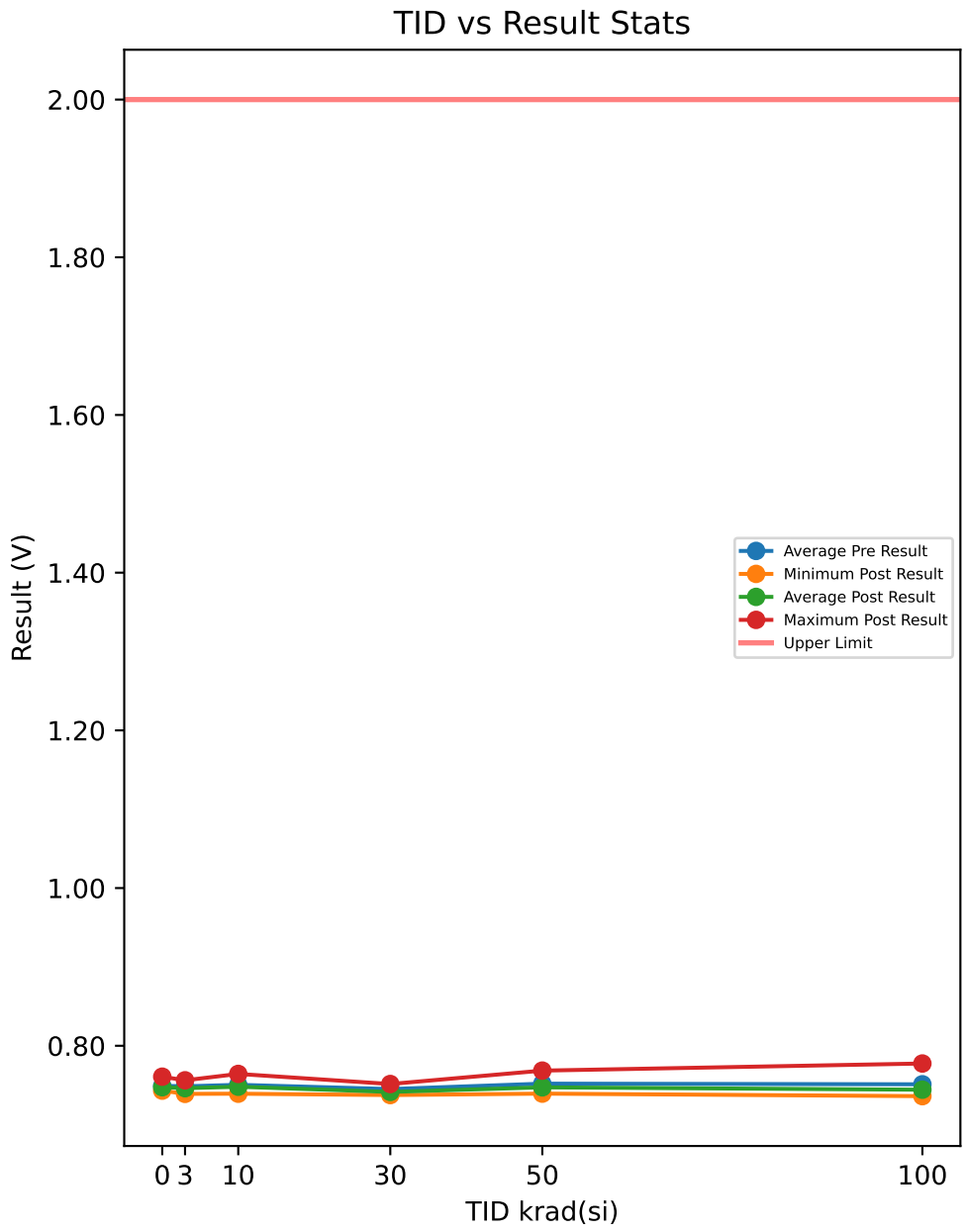
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7544	0.7517	-0.0027
2	3	Biased	0.7623	0.7593	-0.003
3	3	Biased	0.7639	0.7612	-0.0027
4	3	Biased	0.7647	0.7624	-0.0023
5	3	Biased	0.7526	0.7503	-0.0023
6	3	Unbiased	0.7574	0.7551	-0.0023
7	3	Unbiased	0.7686	0.7665	-0.0021
8	3	Unbiased	0.7541	0.7521	-0.002
9	3	Unbiased	0.7601	0.7579	-0.0022
10	3	Unbiased	0.7663	0.7641	-0.0022
11	10	Biased	0.7572	0.7546	-0.0026
12	10	Biased	0.7542	0.7516	-0.0026
13	10	Biased	0.7587	0.7564	-0.0023
14	10	Biased	0.7552	0.7526	-0.0026
15	10	Biased	0.7589	0.7565	-0.0024
16	10	Unbiased	0.7676	0.7648	-0.0028
17	10	Unbiased	0.7811	0.7787	-0.0024
18	10	Unbiased	0.7646	0.7622	-0.0024
19	10	Unbiased	0.7586	0.7563	-0.0023
20	10	Unbiased	0.7697	0.7674	-0.0023
21	30	Biased	0.7554	0.7524	-0.003
22	30	Biased	0.7538	0.7504	-0.0034
23	30	Biased	0.7662	0.7625	-0.0037
24	30	Biased	0.7602	0.7564	-0.0038
25	30	Biased	0.7515	0.7481	-0.0034
26	30	Unbiased	0.7585	0.7547	-0.0038
27	30	Unbiased	0.7568	0.7528	-0.004
28	30	Unbiased	0.7514	0.748	-0.0034
29	30	Unbiased	0.7565	0.7524	-0.0041
30	30	Unbiased	0.7531	0.749	-0.0041
31	50	Biased	0.7757	0.7711	-0.0046
32	50	Biased	0.7572	0.7528	-0.0044
33	50	Biased	0.7578	0.7531	-0.0047
34	50	Biased	0.7834	0.7791	-0.0043
35	50	Biased	0.7686	0.7644	-0.0042
36	50	Unbiased	0.7589	0.754	-0.0049
37	50	Unbiased	0.7591	0.754	-0.0051
38	50	Unbiased	0.7562	0.7515	-0.0047
39	50	Unbiased	0.7568	0.7517	-0.0051
40	50	Unbiased	0.7594	0.7546	-0.0048
41	100	Biased	0.7563	0.7497	-0.0066
42	100	Biased	0.7552	0.7482	-0.007
43	100	Biased	0.7612	0.7549	-0.0063
44	100	Biased	0.7634	0.7565	-0.0069
45	100	Biased	0.7562	0.7492	-0.007
46	100	Unbiased	0.7641	0.7563	-0.0078
47	100	Unbiased	0.797	0.79	-0.007
48	100	Unbiased	0.7709	0.7635	-0.0074
49	100	Unbiased	0.7543	0.7481	-0.0062
50	100	Unbiased	0.758	0.7517	-0.0063
51	0	Correlation	0.7558	0.7544	-0.0014
52	0	Correlation	0.7751	0.7736	-0.0015
53	0	Correlation	0.7553	0.7536	-0.0017
54	0	Correlation	0.7569	0.7548	-0.0021
55	0	Correlation	0.7574	0.7555	-0.0019



Test Statistics (V)

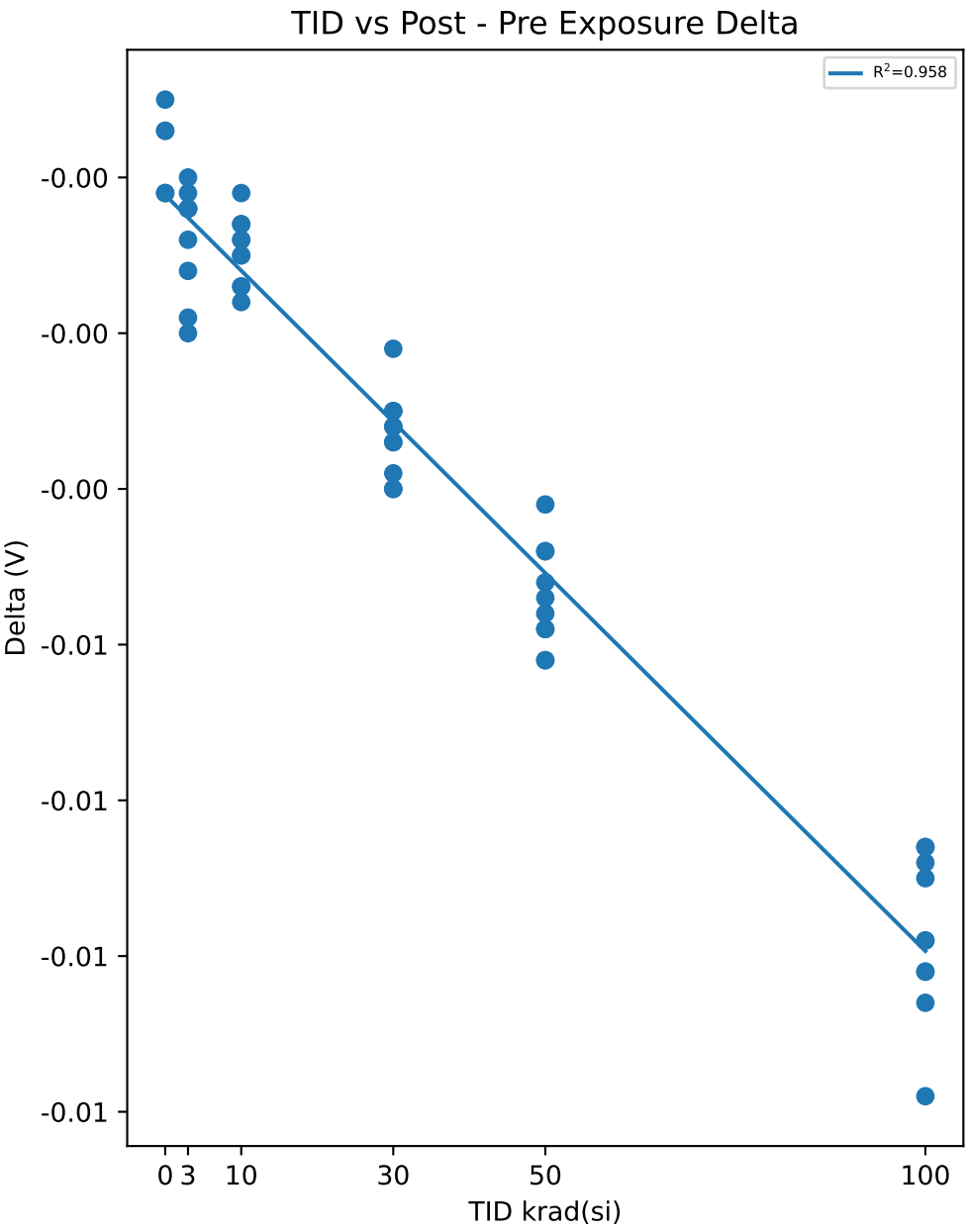
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7553	0.7601	0.7751	0.008427	0.7536	0.75838	0.7736	0.0085359	-0.0021	-0.00172	-0.0014	0.00028636
3	0.7526	0.76044	0.7686	0.0055977	0.7503	0.75806	0.7665	0.0056068	-0.003	-0.00238	-0.002	0.00031552
10	0.7542	0.76258	0.7811	0.0083069	0.7516	0.76011	0.7787	0.0083373	-0.0028	-0.00247	-0.0023	0.00017029
30	0.7514	0.75634	0.7662	0.0045054	0.748	0.75267	0.7625	0.0044239	-0.0041	-0.00367	-0.003	0.00036225
50	0.7562	0.76331	0.7834	0.0094174	0.7515	0.75863	0.7791	0.0096053	-0.0051	-0.00468	-0.0042	0.00031198
100	0.7543	0.76366	0.797	0.012786	0.7481	0.75681	0.79	0.012627	-0.0078	-0.00685	-0.0062	0.00051262

Device Test: 6.93; VOL_PWRGD_10MA_OD



Test Results (Upper Limit = 2.0 (V))

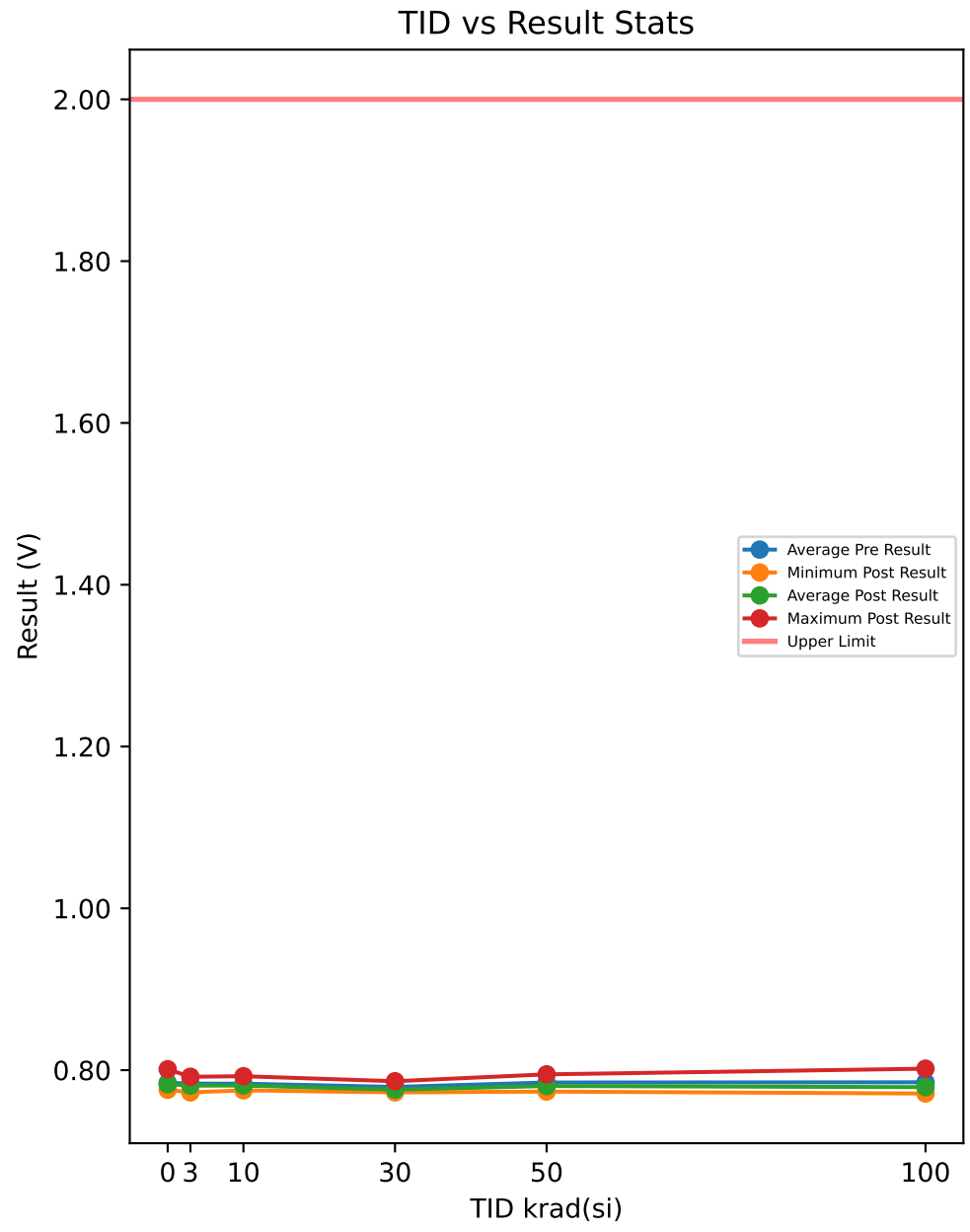
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.742	0.7391	-0.0029
2	3	Biased	0.75	0.747	-0.003
3	3	Biased	0.7519	0.7493	-0.0026
4	3	Biased	0.7512	0.749	-0.0022
5	3	Biased	0.7414	0.739	-0.0024
6	3	Unbiased	0.745	0.7428	-0.0022
7	3	Unbiased	0.7583	0.7562	-0.0021
8	3	Unbiased	0.7436	0.7416	-0.002
9	3	Unbiased	0.748	0.7458	-0.0022
10	3	Unbiased	0.7542	0.752	-0.0022
11	10	Biased	0.7451	0.7424	-0.0027
12	10	Biased	0.7417	0.7392	-0.0025
13	10	Biased	0.7463	0.744	-0.0023
14	10	Biased	0.7441	0.7413	-0.0028
15	10	Biased	0.7462	0.7438	-0.0024
16	10	Unbiased	0.754	0.7513	-0.0027
17	10	Unbiased	0.7667	0.7643	-0.0024
18	10	Unbiased	0.7541	0.7516	-0.0025
19	10	Unbiased	0.7486	0.7463	-0.0023
20	10	Unbiased	0.7582	0.7561	-0.0021
21	30	Biased	0.7428	0.7397	-0.0031
22	30	Biased	0.7435	0.74	-0.0035
23	30	Biased	0.7551	0.7515	-0.0036
24	30	Biased	0.7495	0.7458	-0.0037
25	30	Biased	0.741	0.7375	-0.0035
26	30	Unbiased	0.7448	0.7411	-0.0037
27	30	Unbiased	0.7434	0.7395	-0.0039
28	30	Unbiased	0.7412	0.7376	-0.0036
29	30	Unbiased	0.7466	0.7426	-0.004
30	30	Unbiased	0.7432	0.7392	-0.004
31	50	Biased	0.7642	0.7596	-0.0046
32	50	Biased	0.7437	0.7393	-0.0044
33	50	Biased	0.7469	0.7422	-0.0047
34	50	Biased	0.7726	0.7685	-0.0041
35	50	Biased	0.7564	0.752	-0.0044
36	50	Unbiased	0.7474	0.7425	-0.0049
37	50	Unbiased	0.7483	0.7432	-0.0051
38	50	Unbiased	0.7454	0.7405	-0.0049
39	50	Unbiased	0.7464	0.7413	-0.0051
40	50	Unbiased	0.7483	0.7435	-0.0048
41	100	Biased	0.7445	0.738	-0.0065
42	100	Biased	0.7432	0.7361	-0.0071
43	100	Biased	0.7468	0.7405	-0.0063
44	100	Biased	0.752	0.7451	-0.0069
45	100	Biased	0.7436	0.7367	-0.0069
46	100	Unbiased	0.7506	0.7427	-0.0079
47	100	Unbiased	0.7846	0.7775	-0.0071
48	100	Unbiased	0.7579	0.7506	-0.0073
49	100	Unbiased	0.743	0.7366	-0.0064
50	100	Unbiased	0.7453	0.739	-0.0063
51	0	Correlation	0.7457	0.7442	-0.0015
52	0	Correlation	0.7625	0.7608	-0.0017
53	0	Correlation	0.7448	0.7431	-0.0017
54	0	Correlation	0.7467	0.7446	-0.0021
55	0	Correlation	0.7466	0.7445	-0.0021

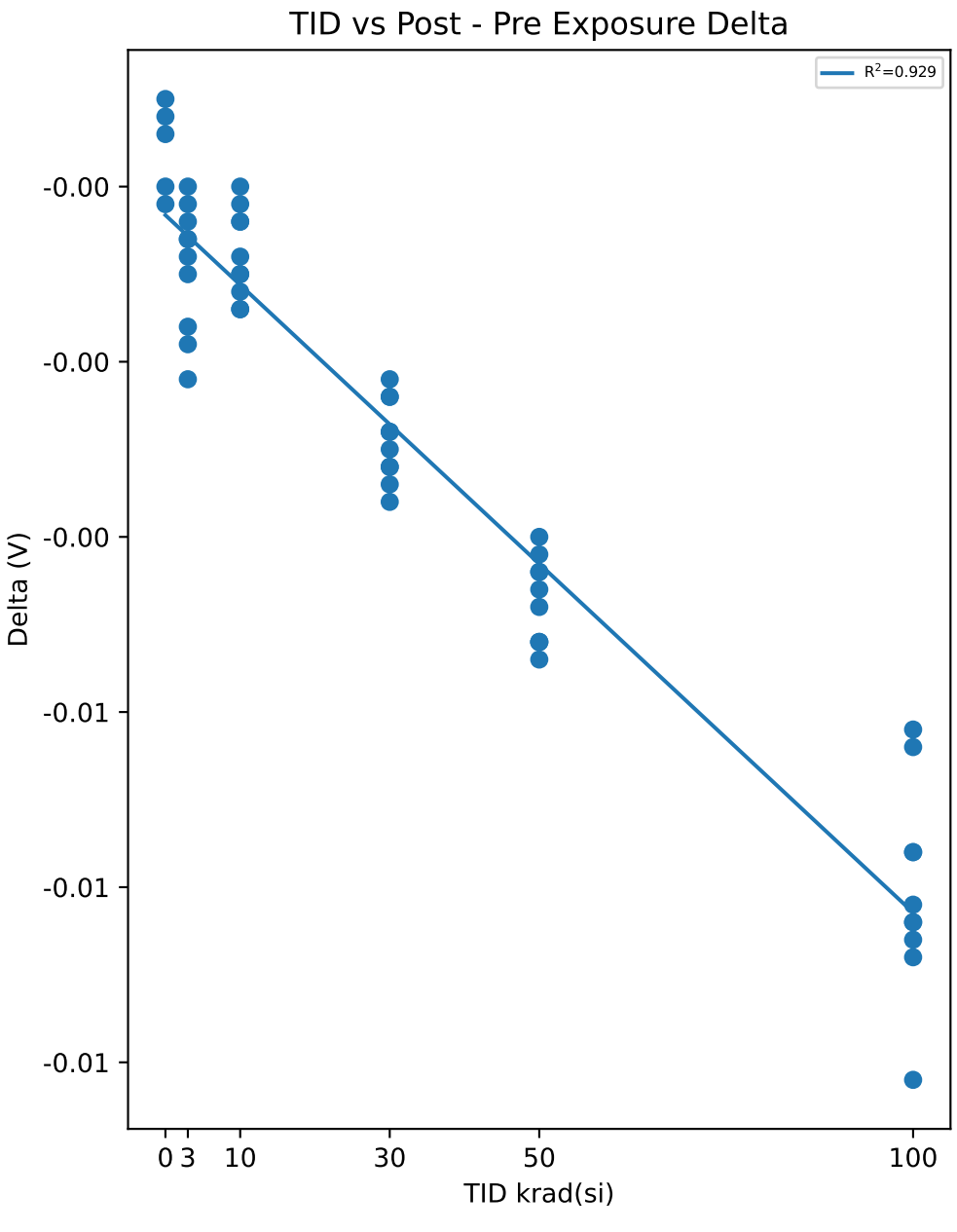


Test Statistics (V)

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	0.7448	0.74926	0.7625	0.0074413	0.7431	0.74744	0.7608	0.0074922	-0.0021	-0.00182	-0.0015	0.00026833
3	0.7414	0.74856	0.7583	0.0055654	0.739	0.74618	0.7562	0.0056456	-0.003	-0.00238	-0.002	0.00034254
10	0.7417	0.7505	0.7667	0.0077045	0.7392	0.74803	0.7643	0.0077843	-0.0028	-0.00247	-0.0021	0.00021628
30	0.741	0.74511	0.7551	0.0043214	0.7375	0.74145	0.7515	0.0042924	-0.004	-0.00366	-0.0031	0.00027162
50	0.7437	0.75196	0.7726	0.0094921	0.7393	0.74726	0.7685	0.0097145	-0.0051	-0.0047	-0.0041	0.0003266
100	0.743	0.75115	0.7846	0.012691	0.7361	0.74428	0.7775	0.012524	-0.0079	-0.00687	-0.0063	0.00051218

Device Test: 6.94; VOL_RESET_10MA_OD





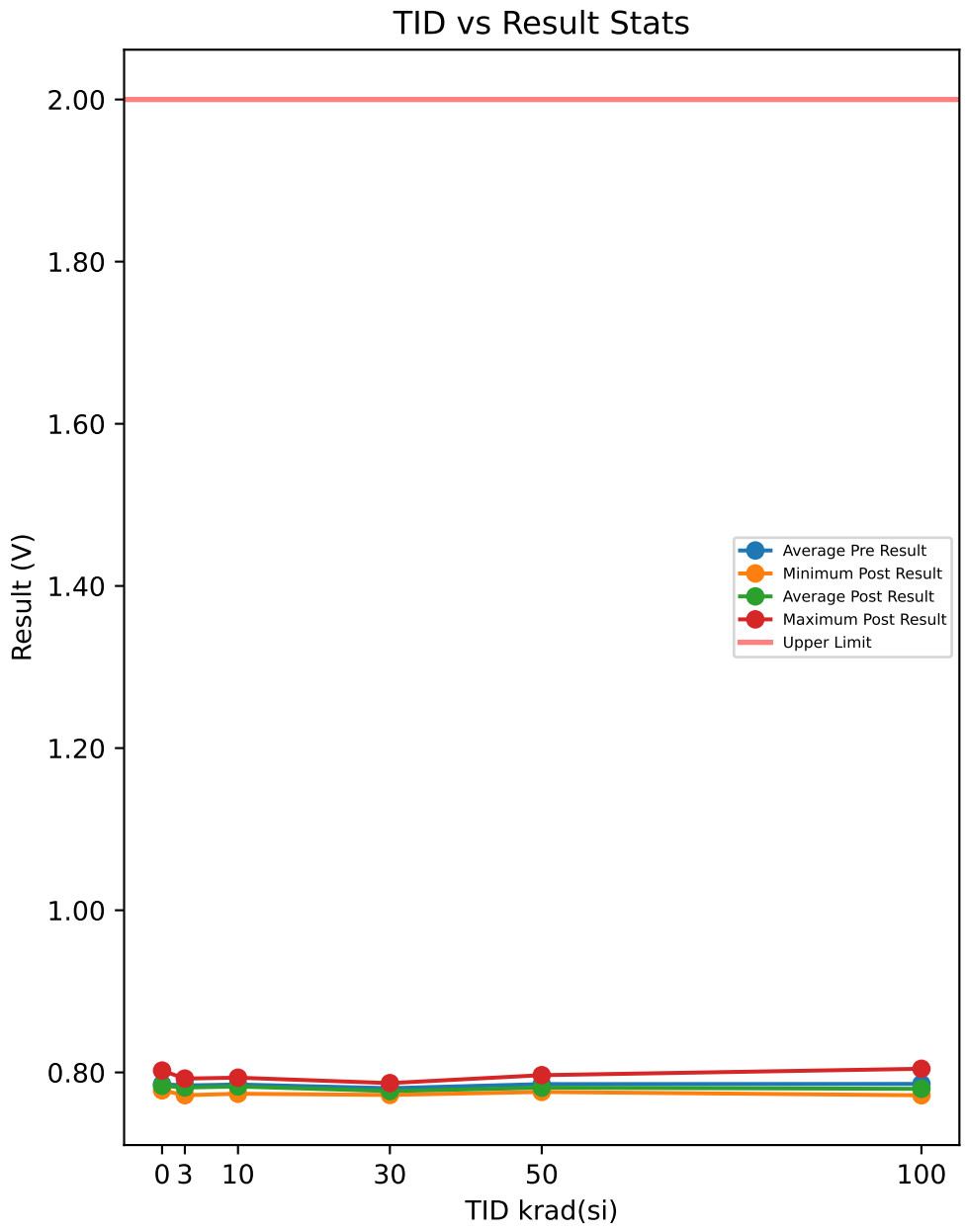
Test Results (Upper Limit = 2.0 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7787	0.7759	-0.0028
2	3	Biased	0.7887	0.7856	-0.0031
3	3	Biased	0.7893	0.7864	-0.0029
4	3	Biased	0.7842	0.7817	-0.0025
5	3	Biased	0.7748	0.7725	-0.0023
6	3	Unbiased	0.7787	0.7765	-0.0022
7	3	Unbiased	0.7939	0.7918	-0.0021
8	3	Unbiased	0.7766	0.7746	-0.002
9	3	Unbiased	0.7841	0.7818	-0.0023
10	3	Unbiased	0.7846	0.7822	-0.0024
11	10	Biased	0.7782	0.7757	-0.0025
12	10	Biased	0.7777	0.775	-0.0027
13	10	Biased	0.7812	0.7787	-0.0025
14	10	Biased	0.7777	0.7751	-0.0026
15	10	Biased	0.7809	0.7785	-0.0024
16	10	Unbiased	0.7847	0.782	-0.0027
17	10	Unbiased	0.7947	0.7925	-0.0022
18	10	Unbiased	0.7882	0.786	-0.0022
19	10	Unbiased	0.7807	0.7786	-0.0021
20	10	Unbiased	0.789	0.787	-0.002
21	30	Biased	0.7765	0.7733	-0.0032
22	30	Biased	0.7766	0.7732	-0.0034
23	30	Biased	0.7897	0.7863	-0.0034
24	30	Biased	0.7819	0.7781	-0.0038
25	30	Biased	0.7763	0.7727	-0.0036
26	30	Unbiased	0.7803	0.7772	-0.0031
27	30	Unbiased	0.7797	0.776	-0.0037
28	30	Unbiased	0.7757	0.7725	-0.0032
29	30	Unbiased	0.78	0.7765	-0.0035
30	30	Unbiased	0.7761	0.7725	-0.0036
31	50	Biased	0.7945	0.7899	-0.0046
32	50	Biased	0.7787	0.7746	-0.0041
33	50	Biased	0.7823	0.7777	-0.0046
34	50	Biased	0.7988	0.7948	-0.004
35	50	Biased	0.7882	0.784	-0.0042
36	50	Unbiased	0.782	0.7776	-0.0044
37	50	Unbiased	0.7818	0.7775	-0.0043
38	50	Unbiased	0.7792	0.775	-0.0042
39	50	Unbiased	0.7782	0.7735	-0.0047
40	50	Unbiased	0.7836	0.779	-0.0046
41	100	Biased	0.7787	0.7729	-0.0058
42	100	Biased	0.7785	0.7724	-0.0061
43	100	Biased	0.784	0.7782	-0.0058
44	100	Biased	0.7849	0.7786	-0.0063
45	100	Biased	0.779	0.7728	-0.0062
46	100	Unbiased	0.7887	0.7816	-0.0071
47	100	Unbiased	0.808	0.8018	-0.0062
48	100	Unbiased	0.7923	0.7859	-0.0064
49	100	Unbiased	0.7762	0.7711	-0.0051
50	100	Unbiased	0.7796	0.7744	-0.0052
51	0	Correlation	0.7788	0.7773	-0.0015
52	0	Correlation	0.8027	0.8011	-0.0016
53	0	Correlation	0.782	0.7803	-0.0017
54	0	Correlation	0.7778	0.7757	-0.0021
55	0	Correlation	0.7802	0.7782	-0.002

Test Statistics (V)

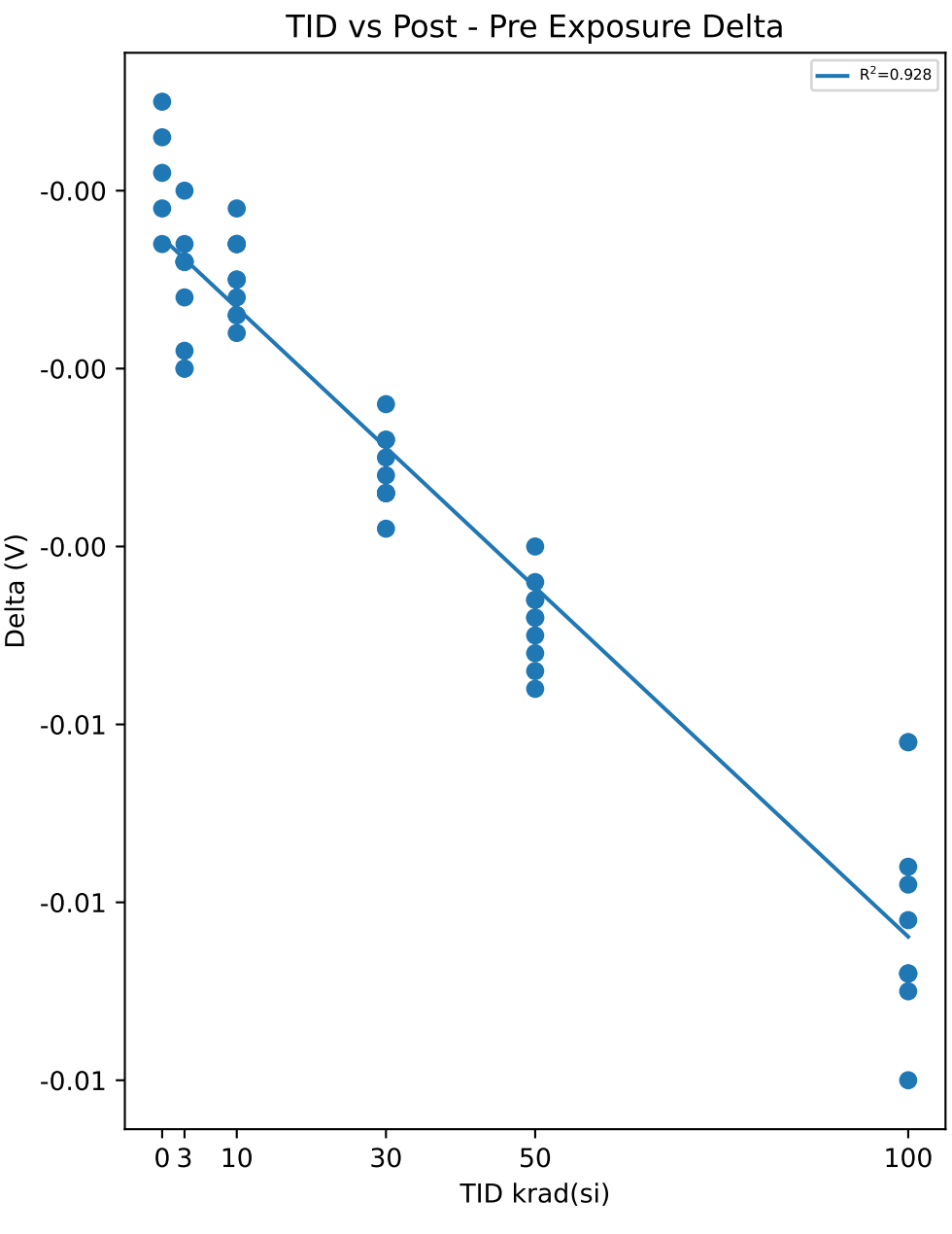
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7778	0.7843	0.8027	0.010406	0.7757	0.78252	0.8011	0.010519	-0.0021	-0.00178	-0.0015	0.00025884
3	0.7748	0.78336	0.7939	0.0061471	0.7725	0.7809	0.7918	0.0060452	-0.0031	-0.00246	-0.002	0.00036271
10	0.7777	0.7833	0.7947	0.0057163	0.775	0.78091	0.7925	0.0058724	-0.0027	-0.00239	-0.002	0.00025144
30	0.7757	0.77928	0.7897	0.0042674	0.7725	0.77583	0.7863	0.0042481	-0.0038	-0.00345	-0.0031	0.00023214
50	0.7782	0.78473	0.7988	0.0069782	0.7735	0.78036	0.7948	0.0070432	-0.0047	-0.00437	-0.004	0.00024518
100	0.7762	0.78499	0.808	0.0095541	0.7711	0.77897	0.8018	0.0092962	-0.0071	-0.00602	-0.0051	0.00058462

Device Test: 6.95; VOL_RESET_10MA_OD



Test Results (Upper Limit = 2.0 (V))

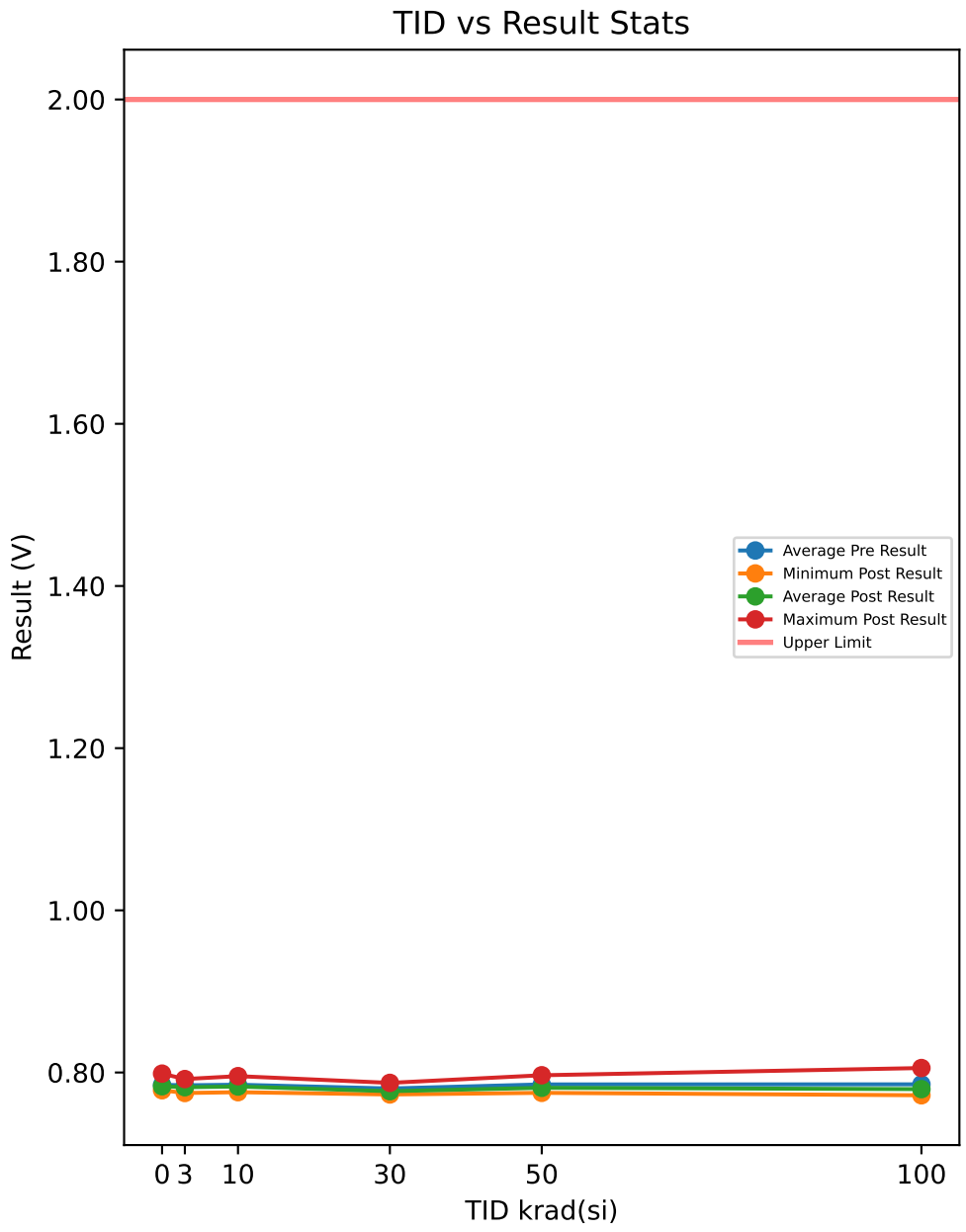
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7779	0.7749	-0.003
2	3	Biased	0.7854	0.7824	-0.003
3	3	Biased	0.7907	0.7878	-0.0029
4	3	Biased	0.7873	0.7847	-0.0026
5	3	Biased	0.7743	0.7719	-0.0024
6	3	Unbiased	0.7803	0.7779	-0.0024
7	3	Unbiased	0.7948	0.7924	-0.0024
8	3	Unbiased	0.7797	0.7777	-0.002
9	3	Unbiased	0.7819	0.7796	-0.0023
10	3	Unbiased	0.7866	0.7842	-0.0024
11	10	Biased	0.7802	0.7776	-0.0026
12	10	Biased	0.7764	0.7737	-0.0027
13	10	Biased	0.7849	0.7824	-0.0025
14	10	Biased	0.7797	0.7769	-0.0028
15	10	Biased	0.783	0.7805	-0.0025
16	10	Unbiased	0.7868	0.7841	-0.0027
17	10	Unbiased	0.7958	0.7935	-0.0023
18	10	Unbiased	0.7908	0.7885	-0.0023
19	10	Unbiased	0.7829	0.7806	-0.0023
20	10	Unbiased	0.7902	0.7881	-0.0021
21	30	Biased	0.7777	0.7745	-0.0032
22	30	Biased	0.779	0.7755	-0.0035
23	30	Biased	0.7904	0.7868	-0.0036
24	30	Biased	0.7848	0.7809	-0.0039
25	30	Biased	0.7759	0.7722	-0.0037
26	30	Unbiased	0.7814	0.778	-0.0034
27	30	Unbiased	0.7811	0.7774	-0.0037
28	30	Unbiased	0.778	0.7746	-0.0034
29	30	Unbiased	0.7799	0.7762	-0.0037
30	30	Unbiased	0.7772	0.7735	-0.0037
31	50	Biased	0.7931	0.7885	-0.0046
32	50	Biased	0.7817	0.7775	-0.0042
33	50	Biased	0.7816	0.7769	-0.0047
34	50	Biased	0.8006	0.7966	-0.004
35	50	Biased	0.7898	0.7855	-0.0043
36	50	Unbiased	0.7837	0.7793	-0.0044
37	50	Unbiased	0.7819	0.7775	-0.0044
38	50	Unbiased	0.7802	0.7759	-0.0043
39	50	Unbiased	0.7811	0.7763	-0.0048
40	50	Unbiased	0.7819	0.7774	-0.0045
41	100	Biased	0.7786	0.7728	-0.0058
42	100	Biased	0.7801	0.774	-0.0061
43	100	Biased	0.783	0.7771	-0.0059
44	100	Biased	0.7873	0.7808	-0.0065
45	100	Biased	0.7801	0.7737	-0.0064
46	100	Unbiased	0.7879	0.7809	-0.007
47	100	Unbiased	0.8109	0.8045	-0.0064
48	100	Unbiased	0.7941	0.7877	-0.0064
49	100	Unbiased	0.7769	0.7718	-0.0051
50	100	Unbiased	0.7792	0.7741	-0.0051
51	0	Correlation	0.7806	0.7791	-0.0015
52	0	Correlation	0.804	0.8023	-0.0017
53	0	Correlation	0.7802	0.7783	-0.0019
54	0	Correlation	0.7822	0.7799	-0.0023
55	0	Correlation	0.78	0.7779	-0.0021



Test Statistics (V)

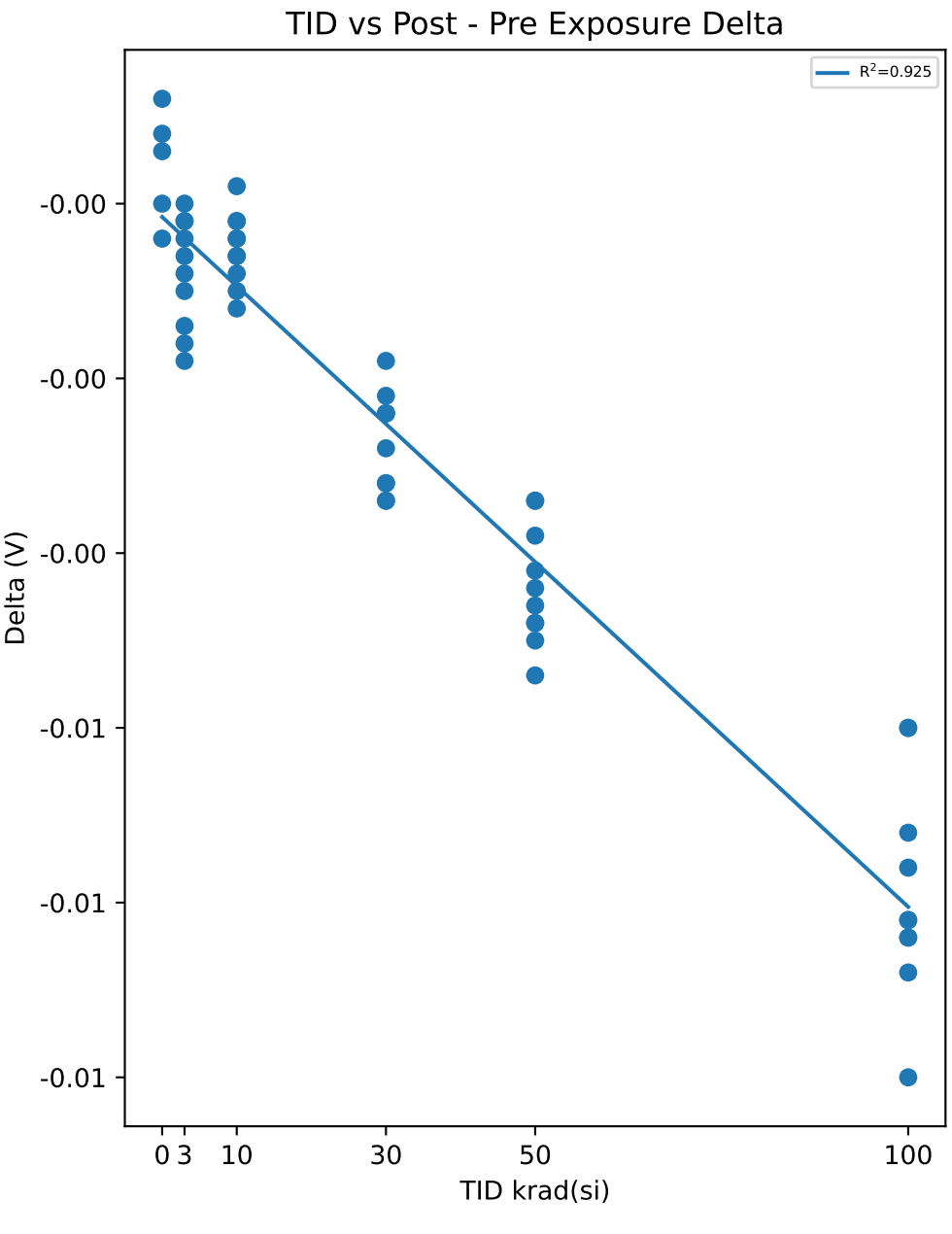
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.78	0.7854	0.804	0.010434	0.7779	0.7835	0.8023	0.010538	-0.0023	-0.0019	-0.0015	0.00031623
3	0.7743	0.78389	0.7948	0.0062264	0.7719	0.78135	0.7924	0.0061765	-0.003	-0.00254	-0.002	0.00033066
10	0.7764	0.78507	0.7958	0.0059069	0.7737	0.78259	0.7935	0.0060669	-0.0028	-0.00248	-0.0021	0.00022509
30	0.7759	0.78054	0.7904	0.0042999	0.7722	0.77696	0.7868	0.0042503	-0.0039	-0.00358	-0.0032	0.0002044
50	0.7802	0.78556	0.8006	0.0067535	0.7759	0.78114	0.7966	0.0068712	-0.0048	-0.00442	-0.004	0.00023944
100	0.7769	0.78581	0.8109	0.01029	0.7718	0.77974	0.8045	0.0099906	-0.007	-0.00607	-0.0051	0.0006111

Device Test: 6.96; VOL_RESET_10MA_OD



Test Results (Upper Limit = 2.0 (V))

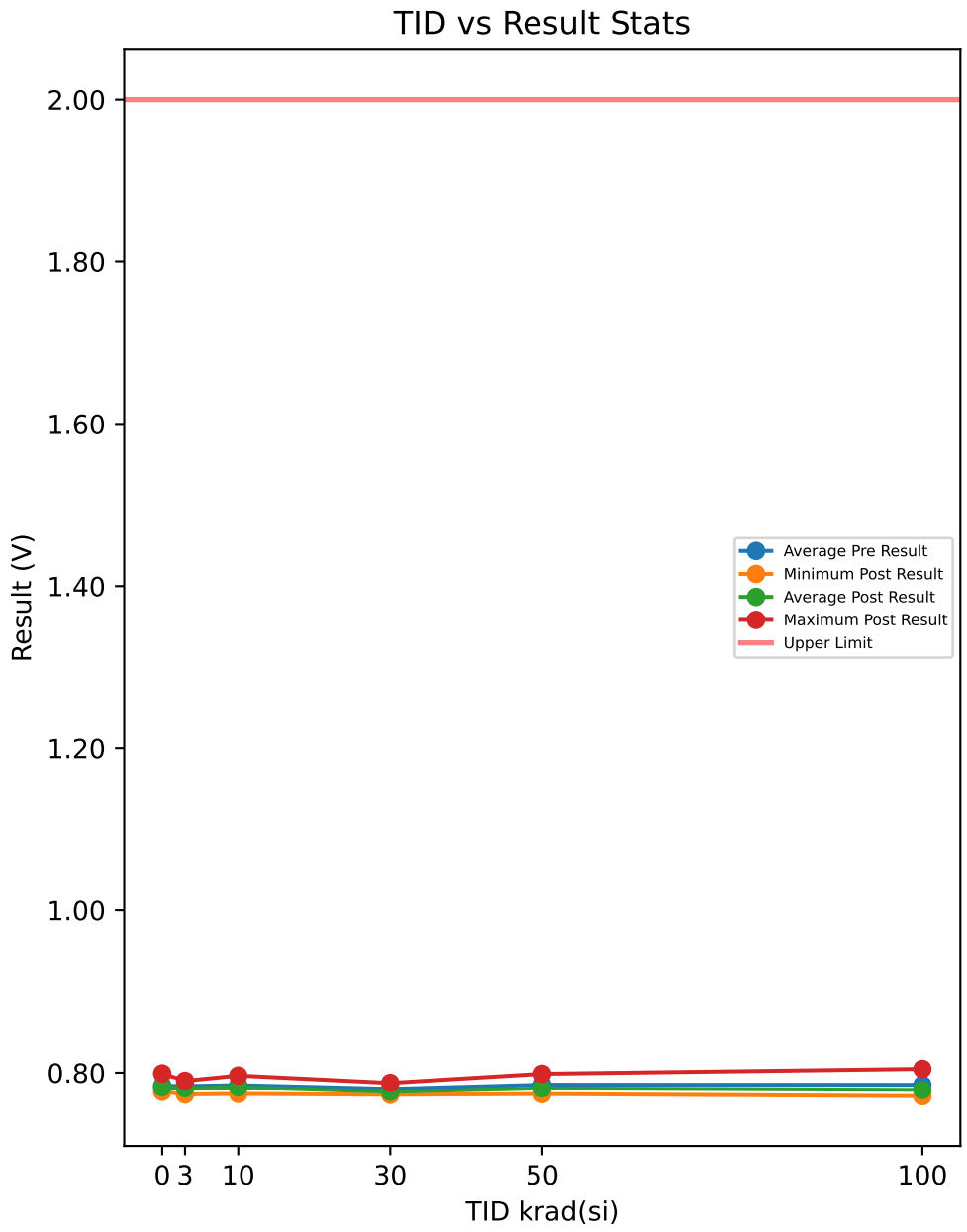
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7777	0.7749	-0.0028
2	3	Biased	0.7847	0.7818	-0.0029
3	3	Biased	0.7903	0.7876	-0.0027
4	3	Biased	0.7855	0.783	-0.0025
5	3	Biased	0.7786	0.7763	-0.0023
6	3	Unbiased	0.7824	0.7803	-0.0021
7	3	Unbiased	0.794	0.7919	-0.0021
8	3	Unbiased	0.7767	0.7747	-0.002
9	3	Unbiased	0.7862	0.784	-0.0022
10	3	Unbiased	0.786	0.7836	-0.0024
11	10	Biased	0.778	0.7757	-0.0023
12	10	Biased	0.7782	0.7757	-0.0025
13	10	Biased	0.7842	0.782	-0.0022
14	10	Biased	0.7788	0.7764	-0.0024
15	10	Biased	0.7829	0.7806	-0.0023
16	10	Unbiased	0.7855	0.7829	-0.0026
17	10	Unbiased	0.7977	0.7955	-0.0022
18	10	Unbiased	0.7899	0.7878	-0.0021
19	10	Unbiased	0.7825	0.7804	-0.0021
20	10	Unbiased	0.7916	0.7897	-0.0019
21	30	Biased	0.7798	0.7769	-0.0029
22	30	Biased	0.7787	0.7755	-0.0032
23	30	Biased	0.7903	0.7872	-0.0031
24	30	Biased	0.7846	0.7809	-0.0037
25	30	Biased	0.7763	0.7729	-0.0034
26	30	Unbiased	0.7798	0.7766	-0.0032
27	30	Unbiased	0.7782	0.7746	-0.0036
28	30	Unbiased	0.7766	0.7734	-0.0032
29	30	Unbiased	0.7797	0.776	-0.0037
30	30	Unbiased	0.7786	0.775	-0.0036
31	50	Biased	0.7936	0.7893	-0.0043
32	50	Biased	0.7804	0.7767	-0.0037
33	50	Biased	0.7802	0.776	-0.0042
34	50	Biased	0.8003	0.7966	-0.0037
35	50	Biased	0.7886	0.7847	-0.0039
36	50	Unbiased	0.7836	0.7792	-0.0044
37	50	Unbiased	0.7821	0.7777	-0.0044
38	50	Unbiased	0.779	0.7749	-0.0041
39	50	Unbiased	0.7834	0.7787	-0.0047
40	50	Unbiased	0.7817	0.7772	-0.0045
41	100	Biased	0.7775	0.7719	-0.0056
42	100	Biased	0.7799	0.7738	-0.0061
43	100	Biased	0.7836	0.7778	-0.0058
44	100	Biased	0.7861	0.7799	-0.0062
45	100	Biased	0.7798	0.7737	-0.0061
46	100	Unbiased	0.787	0.78	-0.007
47	100	Unbiased	0.8117	0.8055	-0.0062
48	100	Unbiased	0.7932	0.7868	-0.0064
49	100	Unbiased	0.7779	0.7729	-0.005
50	100	Unbiased	0.7774	0.7724	-0.005
51	0	Correlation	0.7799	0.7785	-0.0014
52	0	Correlation	0.8002	0.7986	-0.0016
53	0	Correlation	0.7824	0.7807	-0.0017
54	0	Correlation	0.7813	0.7791	-0.0022
55	0	Correlation	0.7801	0.7781	-0.002



Test Statistics (V)

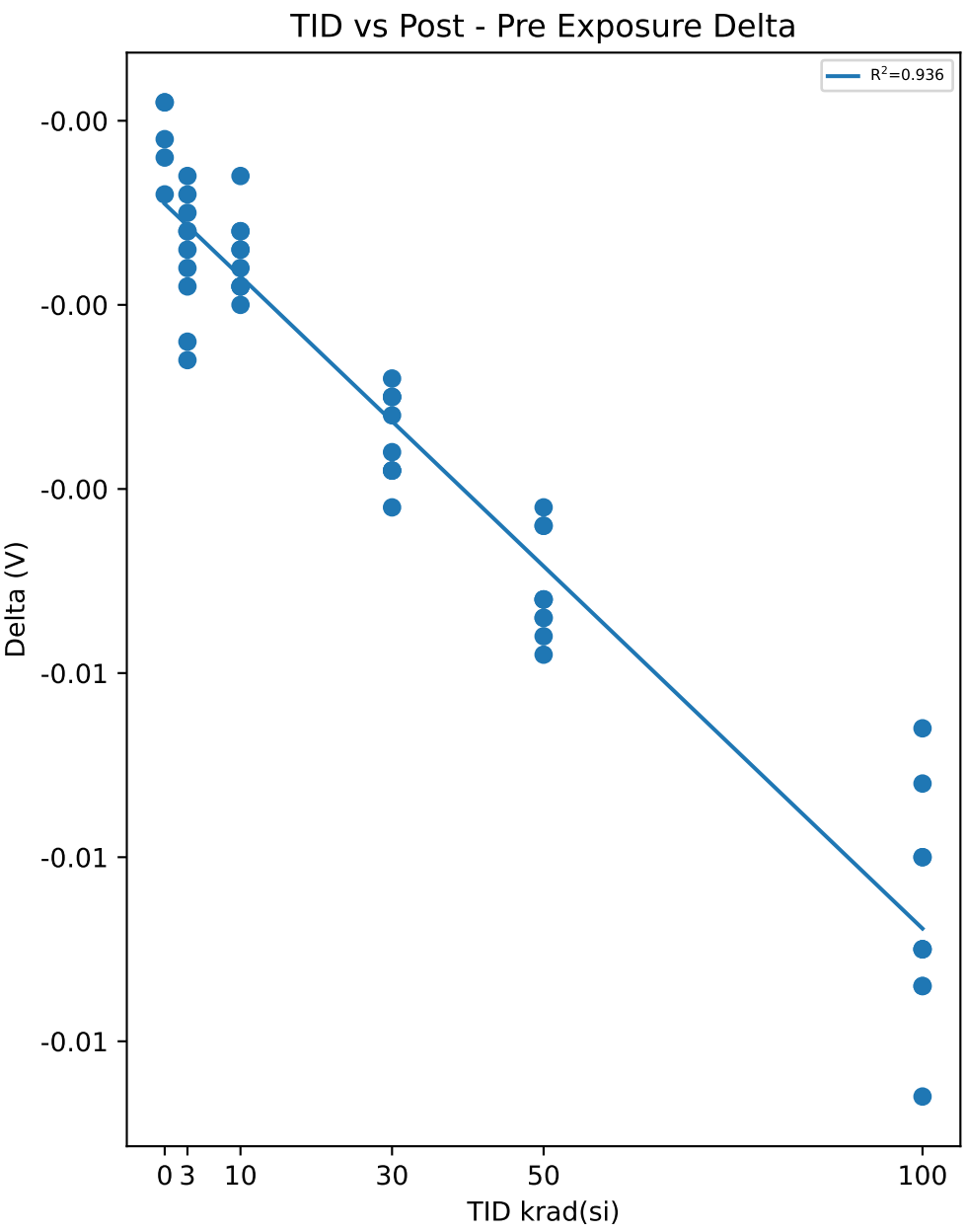
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7799	0.78478	0.8002	0.0086785	0.7781	0.783	0.7986	0.0087767	-0.0022	-0.00178	-0.0014	0.00031937
3	0.7767	0.78421	0.794	0.005533	0.7747	0.78181	0.7919	0.0055346	-0.0029	-0.0024	-0.002	0.00031623
10	0.778	0.78493	0.7977	0.0064467	0.7757	0.78267	0.7955	0.0065554	-0.0026	-0.00226	-0.0019	0.00020656
30	0.7763	0.78026	0.7903	0.0042016	0.7729	0.7769	0.7872	0.0042439	-0.0037	-0.00336	-0.0029	0.00027968
50	0.779	0.78529	0.8003	0.0068653	0.7749	0.7811	0.7966	0.0069952	-0.0047	-0.00419	-0.0037	0.00033813
100	0.7774	0.78541	0.8117	0.010557	0.7719	0.77947	0.8055	0.010276	-0.007	-0.00594	-0.005	0.0006168

Device Test: 6.97; VOL_RESET_10MA_OD



Test Results (Upper Limit = 2.0 (V))

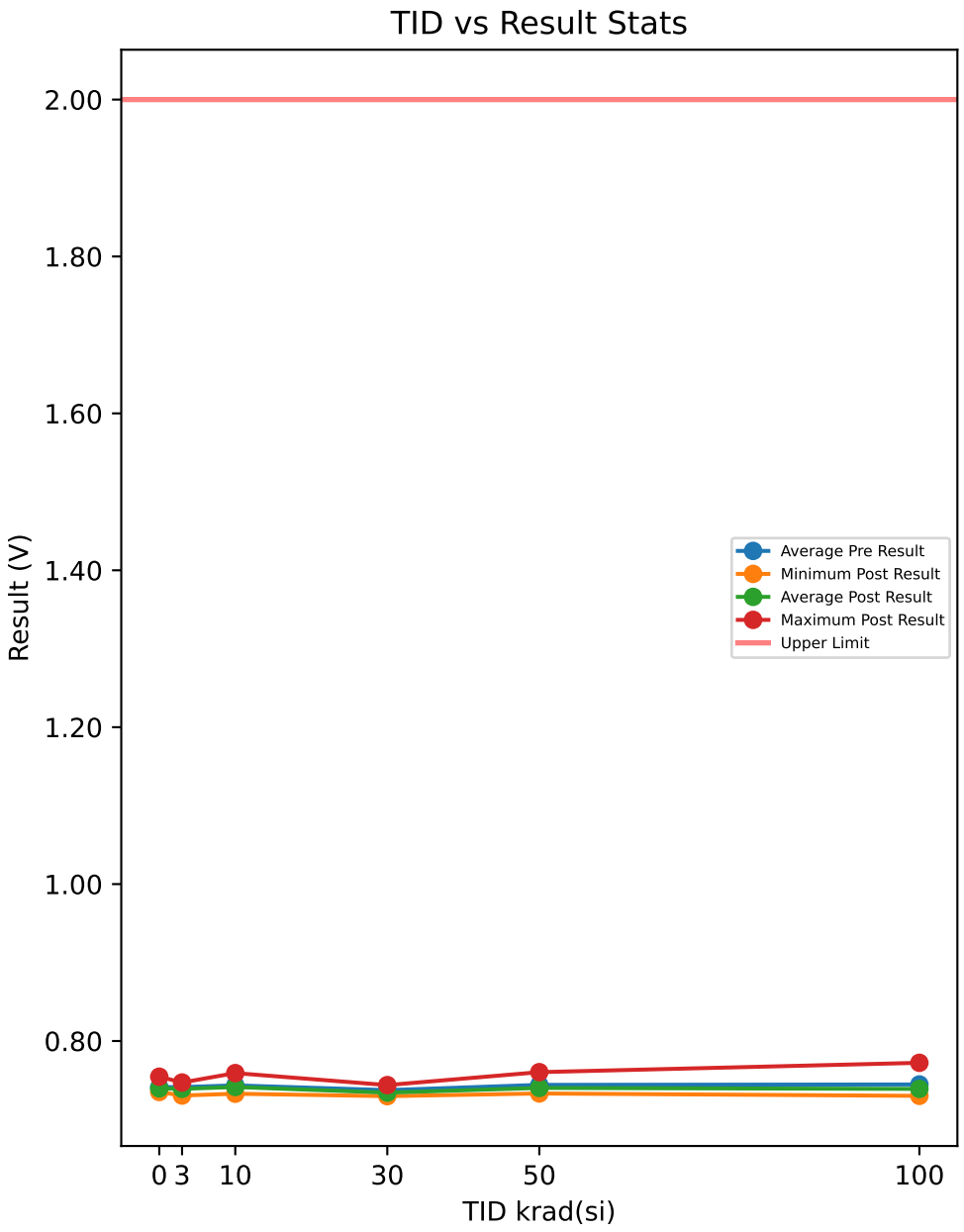
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7796	0.7764	-0.0032
2	3	Biased	0.7866	0.7833	-0.0033
3	3	Biased	0.7887	0.7858	-0.0029
4	3	Biased	0.7857	0.7829	-0.0028
5	3	Biased	0.7756	0.7731	-0.0025
6	3	Unbiased	0.7785	0.7759	-0.0026
7	3	Unbiased	0.7924	0.79	-0.0024
8	3	Unbiased	0.776	0.7737	-0.0023
9	3	Unbiased	0.7852	0.7826	-0.0026
10	3	Unbiased	0.7866	0.7839	-0.0027
11	10	Biased	0.7808	0.7779	-0.0029
12	10	Biased	0.7776	0.7748	-0.0028
13	10	Biased	0.7804	0.7777	-0.0027
14	10	Biased	0.7767	0.7738	-0.0029
15	10	Biased	0.7818	0.7791	-0.0027
16	10	Unbiased	0.7856	0.7826	-0.003
17	10	Unbiased	0.7994	0.7965	-0.0029
18	10	Unbiased	0.7907	0.7881	-0.0026
19	10	Unbiased	0.7827	0.7801	-0.0026
20	10	Unbiased	0.7908	0.7885	-0.0023
21	30	Biased	0.7775	0.7741	-0.0034
22	30	Biased	0.7769	0.7733	-0.0036
23	30	Biased	0.7909	0.7874	-0.0035
24	30	Biased	0.7843	0.7802	-0.0041
25	30	Biased	0.7766	0.7727	-0.0039
26	30	Unbiased	0.7798	0.7763	-0.0035
27	30	Unbiased	0.7776	0.7738	-0.0038
28	30	Unbiased	0.7774	0.7739	-0.0035
29	30	Unbiased	0.78	0.7761	-0.0039
30	30	Unbiased	0.7795	0.7756	-0.0039
31	50	Biased	0.793	0.7884	-0.0046
32	50	Biased	0.7798	0.7757	-0.0041
33	50	Biased	0.7783	0.7736	-0.0047
34	50	Biased	0.8029	0.7987	-0.0042
35	50	Biased	0.7908	0.7866	-0.0042
36	50	Unbiased	0.7834	0.7788	-0.0046
37	50	Unbiased	0.7814	0.7768	-0.0046
38	50	Unbiased	0.7801	0.7754	-0.0047
39	50	Unbiased	0.7794	0.7745	-0.0049
40	50	Unbiased	0.7827	0.7779	-0.0048
41	100	Biased	0.7783	0.7723	-0.006
42	100	Biased	0.779	0.7725	-0.0065
43	100	Biased	0.7824	0.7764	-0.006
44	100	Biased	0.7863	0.7798	-0.0065
45	100	Biased	0.7775	0.771	-0.0065
46	100	Unbiased	0.7853	0.778	-0.0073
47	100	Unbiased	0.8114	0.8047	-0.0067
48	100	Unbiased	0.7926	0.7859	-0.0067
49	100	Unbiased	0.7775	0.7719	-0.0056
50	100	Unbiased	0.7805	0.7752	-0.0053
51	0	Correlation	0.7787	0.7768	-0.0019
52	0	Correlation	0.801	0.7991	-0.0019
53	0	Correlation	0.7814	0.7793	-0.0021
54	0	Correlation	0.7799	0.7775	-0.0024
55	0	Correlation	0.7787	0.7765	-0.0022

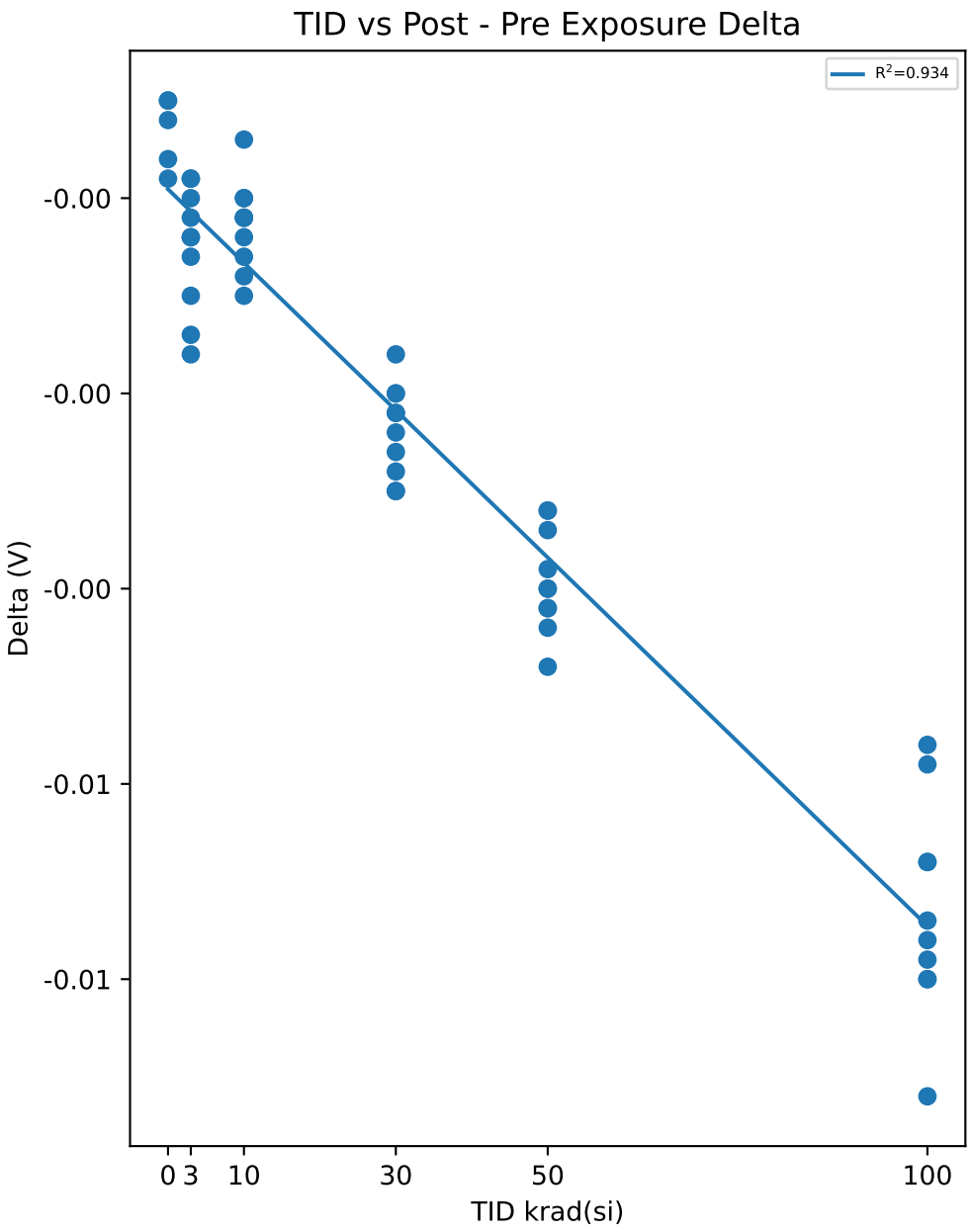


Test Statistics (V)

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	0.7787	0.78394	0.801	0.0096012	0.7765	0.78184	0.7991	0.0097097	-0.0024	-0.0021	-0.0019	0.00021213
3	0.7756	0.78349	0.7924	0.0056967	0.7731	0.78076	0.79	0.0056392	-0.0033	-0.00273	-0.0023	0.00032677
10	0.7767	0.78465	0.7994	0.0070758	0.7738	0.78191	0.7965	0.0071211	-0.003	-0.00274	-0.0023	0.00020656
30	0.7766	0.78005	0.7909	0.004441	0.7727	0.77634	0.7874	0.004444	-0.0041	-0.00371	-0.0034	0.00023781
50	0.7783	0.78518	0.8029	0.0079291	0.7736	0.78064	0.7987	0.0080737	-0.0049	-0.00454	-0.0041	0.00027568
100	0.7775	0.78508	0.8114	0.010418	0.771	0.77877	0.8047	0.010176	-0.0073	-0.00631	-0.0053	0.00058775

Device Test: 6.98; VOL_WDO_10MA_OD





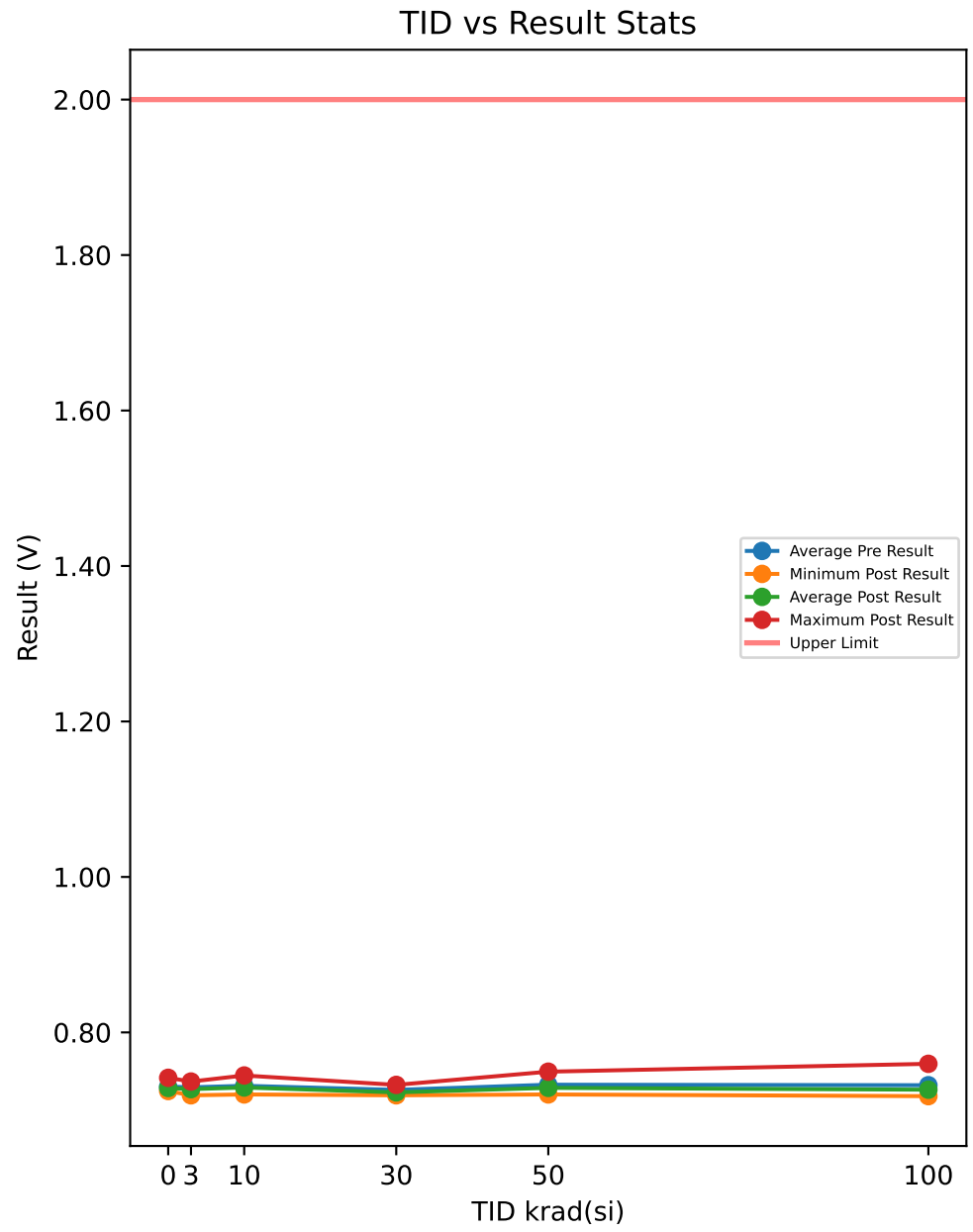
Test Results (Upper Limit = 2.0 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7359	0.7332	-0.0027
2	3	Biased	0.7423	0.7395	-0.0028
3	3	Biased	0.7451	0.7426	-0.0025
4	3	Biased	0.7457	0.7434	-0.0023
5	3	Biased	0.7327	0.7305	-0.0022
6	3	Unbiased	0.7381	0.7359	-0.0022
7	3	Unbiased	0.7491	0.7471	-0.002
8	3	Unbiased	0.7347	0.7328	-0.0019
9	3	Unbiased	0.7415	0.7396	-0.0019
10	3	Unbiased	0.7474	0.7453	-0.0021
11	10	Biased	0.7381	0.736	-0.0021
12	10	Biased	0.7351	0.7328	-0.0023
13	10	Biased	0.7395	0.7375	-0.002
14	10	Biased	0.7359	0.7334	-0.0025
15	10	Biased	0.7401	0.738	-0.0021
16	10	Unbiased	0.7477	0.7453	-0.0024
17	10	Unbiased	0.7613	0.7591	-0.0022
18	10	Unbiased	0.7454	0.7434	-0.002
19	10	Unbiased	0.74	0.7379	-0.0021
20	10	Unbiased	0.7515	0.7498	-0.0017
21	30	Biased	0.736	0.7332	-0.0028
22	30	Biased	0.7349	0.7319	-0.003
23	30	Biased	0.7468	0.7438	-0.003
24	30	Biased	0.7417	0.7382	-0.0035
25	30	Biased	0.7329	0.7297	-0.0032
26	30	Unbiased	0.7396	0.7365	-0.0031
27	30	Unbiased	0.7379	0.7346	-0.0033
28	30	Unbiased	0.7332	0.7301	-0.0031
29	30	Unbiased	0.7367	0.7332	-0.0035
30	30	Unbiased	0.7341	0.7307	-0.0034
31	50	Biased	0.7564	0.7524	-0.004
32	50	Biased	0.7375	0.7339	-0.0036
33	50	Biased	0.7385	0.7344	-0.0041
34	50	Biased	0.7639	0.7603	-0.0036
35	50	Biased	0.7498	0.7461	-0.0037
36	50	Unbiased	0.74	0.7358	-0.0042
37	50	Unbiased	0.7395	0.7356	-0.0039
38	50	Unbiased	0.7371	0.7331	-0.004
39	50	Unbiased	0.7376	0.7332	-0.0044
40	50	Unbiased	0.7407	0.7366	-0.0041
41	100	Biased	0.7366	0.7312	-0.0054
42	100	Biased	0.7369	0.7312	-0.0057
43	100	Biased	0.7427	0.7373	-0.0054
44	100	Biased	0.7442	0.7383	-0.0059
45	100	Biased	0.7365	0.7307	-0.0058
46	100	Unbiased	0.7452	0.7386	-0.0066
47	100	Unbiased	0.7782	0.7722	-0.006
48	100	Unbiased	0.752	0.746	-0.006
49	100	Unbiased	0.735	0.7301	-0.0049
50	100	Unbiased	0.7387	0.7339	-0.0048
51	0	Correlation	0.7373	0.7358	-0.0015
52	0	Correlation	0.756	0.7545	-0.0015
53	0	Correlation	0.7377	0.7361	-0.0016
54	0	Correlation	0.7369	0.735	-0.0019
55	0	Correlation	0.7382	0.7364	-0.0018

Test Statistics (V)

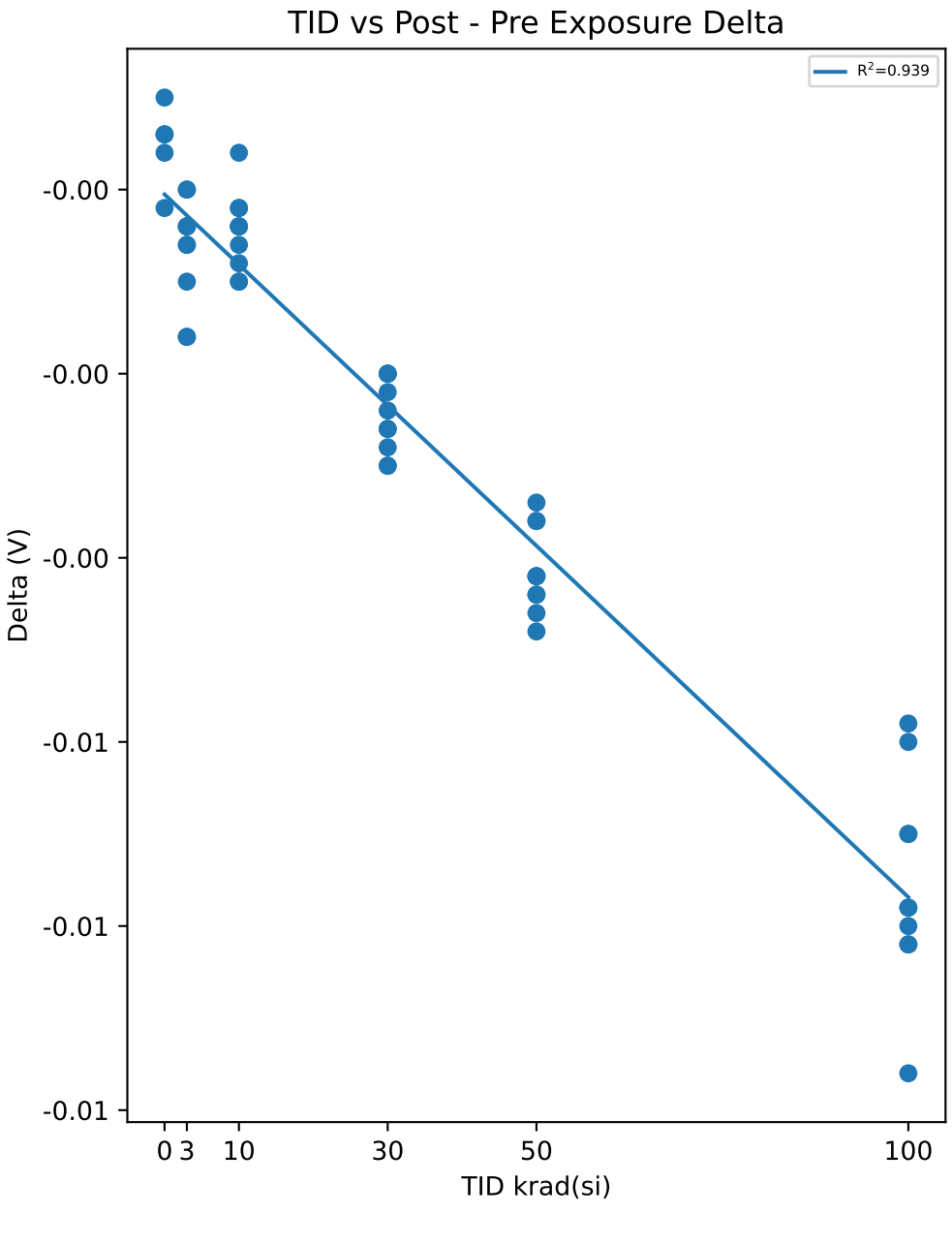
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7369	0.74122	0.756	0.0082763	0.735	0.73956	0.7545	0.008368	-0.0019	-0.00166	-0.0015	0.00018166
3	0.7327	0.74125	0.7491	0.0056744	0.7305	0.73899	0.7471	0.0056977	-0.0028	-0.00226	-0.0019	0.00031693
10	0.7351	0.74346	0.7613	0.0081606	0.7328	0.74132	0.7591	0.0082269	-0.0025	-0.00214	-0.0017	0.00022706
30	0.7329	0.73738	0.7468	0.0043387	0.7297	0.73419	0.7438	0.0043488	-0.0035	-0.00319	-0.0028	0.0002331
50	0.7371	0.7441	0.7639	0.009378	0.7331	0.74014	0.7603	0.0095093	-0.0044	-0.00396	-0.0036	0.00026331
100	0.735	0.7446	0.7782	0.012926	0.7301	0.73895	0.7722	0.012695	-0.0066	-0.00565	-0.0048	0.00054212

Device Test: 6.99; VOL_PWRGD_10MA_OD



Test Results (Upper Limit = 2.0 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7233	0.7205	-0.0028
2	3	Biased	0.7299	0.7271	-0.0028
3	3	Biased	0.7332	0.7307	-0.0025
4	3	Biased	0.7323	0.73	-0.0023
5	3	Biased	0.7214	0.7191	-0.0023
6	3	Unbiased	0.7258	0.7236	-0.0022
7	3	Unbiased	0.7388	0.7368	-0.002
8	3	Unbiased	0.7243	0.7221	-0.0022
9	3	Unbiased	0.7293	0.7273	-0.002
10	3	Unbiased	0.7353	0.7331	-0.0022
11	10	Biased	0.7259	0.7236	-0.0023
12	10	Biased	0.7227	0.7202	-0.0025
13	10	Biased	0.7271	0.725	-0.0021
14	10	Biased	0.7245	0.7221	-0.0024
15	10	Biased	0.7272	0.7251	-0.0021
16	10	Unbiased	0.7342	0.7317	-0.0025
17	10	Unbiased	0.7468	0.7446	-0.0022
18	10	Unbiased	0.735	0.7328	-0.0022
19	10	Unbiased	0.7299	0.7277	-0.0022
20	10	Unbiased	0.7402	0.7384	-0.0018
21	30	Biased	0.7234	0.7204	-0.003
22	30	Biased	0.7245	0.7213	-0.0032
23	30	Biased	0.7356	0.7325	-0.0031
24	30	Biased	0.7311	0.7276	-0.0035
25	30	Biased	0.7224	0.7191	-0.0033
26	30	Unbiased	0.7258	0.7228	-0.003
27	30	Unbiased	0.7244	0.721	-0.0034
28	30	Unbiased	0.7227	0.7197	-0.003
29	30	Unbiased	0.7267	0.7232	-0.0035
30	30	Unbiased	0.7242	0.7209	-0.0033
31	50	Biased	0.745	0.7408	-0.0042
32	50	Biased	0.724	0.7202	-0.0038
33	50	Biased	0.7276	0.7234	-0.0042
34	50	Biased	0.7532	0.7495	-0.0037
35	50	Biased	0.7375	0.7337	-0.0038
36	50	Unbiased	0.7284	0.7243	-0.0041
37	50	Unbiased	0.7287	0.7246	-0.0041
38	50	Unbiased	0.7262	0.7221	-0.0041
39	50	Unbiased	0.7271	0.7227	-0.0044
40	50	Unbiased	0.7296	0.7253	-0.0043
41	100	Biased	0.7248	0.7193	-0.0055
42	100	Biased	0.725	0.7191	-0.0059
43	100	Biased	0.7284	0.7229	-0.0055
44	100	Biased	0.7329	0.7269	-0.006
45	100	Biased	0.7239	0.718	-0.0059
46	100	Unbiased	0.7317	0.7249	-0.0068
47	100	Unbiased	0.7657	0.7596	-0.0061
48	100	Unbiased	0.739	0.7329	-0.0061
49	100	Unbiased	0.7236	0.7186	-0.005
50	100	Unbiased	0.7258	0.7209	-0.0049
51	0	Correlation	0.727	0.7255	-0.0015
52	0	Correlation	0.7433	0.7416	-0.0017
53	0	Correlation	0.7272	0.7255	-0.0017
54	0	Correlation	0.7267	0.7246	-0.0021
55	0	Correlation	0.7272	0.7254	-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	0.7267	0.73028	0.7433	0.0072813	0.7246	0.72852	0.7416	0.0073217	-0.0021	-0.00176	-0.0015	0.00021909
3	0.7214	0.72936	0.7388	0.0056416	0.7191	0.72703	0.7368	0.0057374	-0.0028	-0.00233	-0.002	0.00028694
10	0.7227	0.73135	0.7468	0.0076544	0.7202	0.72912	0.7446	0.0077489	-0.0025	-0.00223	-0.0018	0.00021108
30	0.7224	0.72608	0.7356	0.0041806	0.7191	0.72285	0.7325	0.0041557	-0.0035	-0.00323	-0.003	0.00020028
50	0.724	0.73273	0.7532	0.0095101	0.7202	0.72866	0.7495	0.0096129	-0.0044	-0.00407	-0.0037	0.00023118
100	0.7236	0.73208	0.7657	0.012797	0.718	0.72631	0.7596	0.012581	-0.0068	-0.00577	-0.0049	0.00056382

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