Radiation Report

TPS7H3124-SP Total Ionizing Dose (TID) Report

ABSTRACT

This report discusses the total ionizing dose (TID) parametric results for TPS7H3124-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 TPS7H3124-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 TPS7H3124-SP is packaged in a 22-pin CFP (ceramic flat package) package. A standard microcircuit drawing (SMD) is available for the QML variant, 5962R2420602VXC.

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	TPS7H3124-SP
TI Part Name	5962R2420602VXC
Package	22-pin CFP (HFT)
Technology	LBC7
Quantity Tested	HDR: 50 Devices
Lot Accept/Reject	All levels tested and passed up to 100krad(Si)
HDR Radiation Facility	Texas Instruments, Dallas, TX
HDR Dose Level	3krad(Si), 10krad(Si), 30krad(Si), 50krad(Si), 100krad(Si)
HDR Dose Rate	142.9621 rads(Si)/s
HDR Radiation Source	Gammacell (Hopewell, GR420) Co-60
Irradiation Temperature	Ambient room temperature

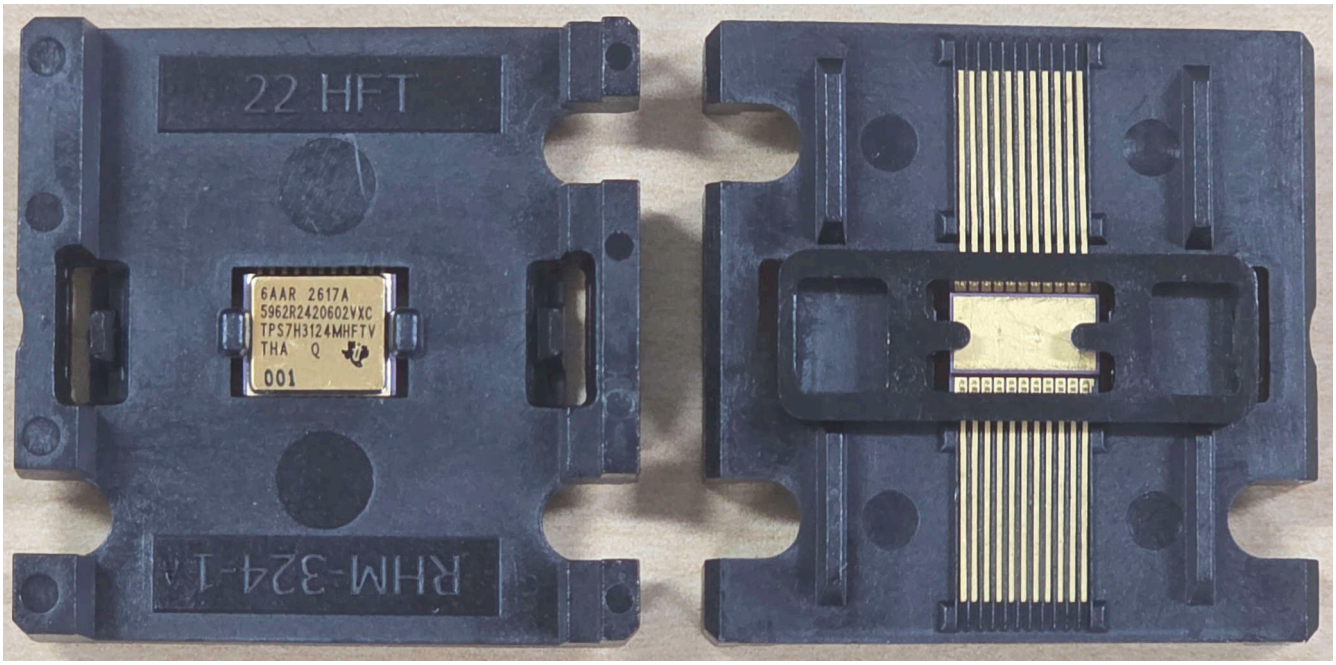

Figure 1-1. TPS7H3124-SP Device

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2 Total Dose Test Setup

2.1 Test Overview

The TPS7H3124-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 TPS7H3124-SP HDR exposure was performed on biased and unbiased devices in a Co-60 gamma cell at TI facility in Dallas, Texas. The unattenuated dose rate of this cell is 142.9621 rads(Si)/s. After the exposure 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.

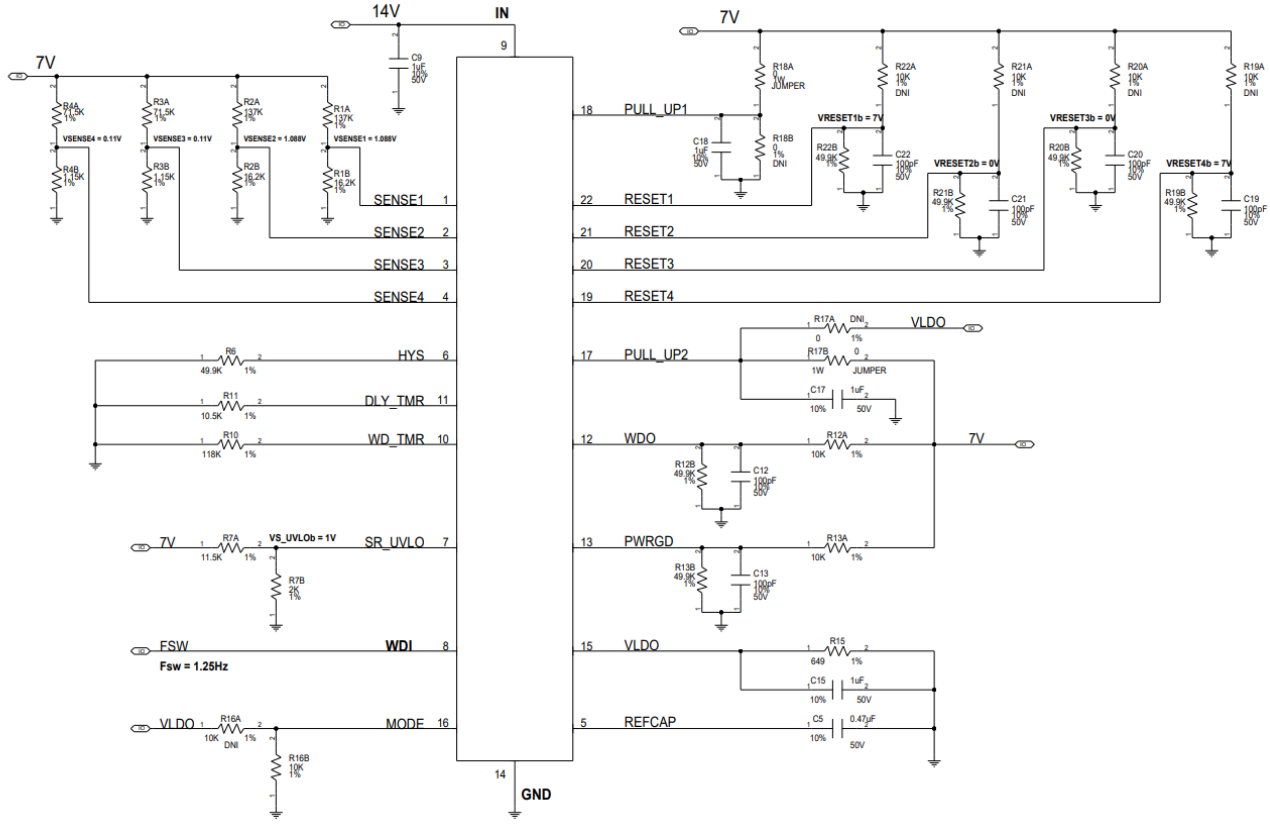

Figure 2-1. Bias Diagram Used in TID Exposure

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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, 53, 54, 55, 56	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, 53, 54, 55, 56	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 TPS7H3124-SP passes up to 100krad(Si) HDR TID irradiation. The drifts of the electrical parameters through HDR were within the datasheet limits.

Overall, the TPS7H3124-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, *TPS7H3124EVM-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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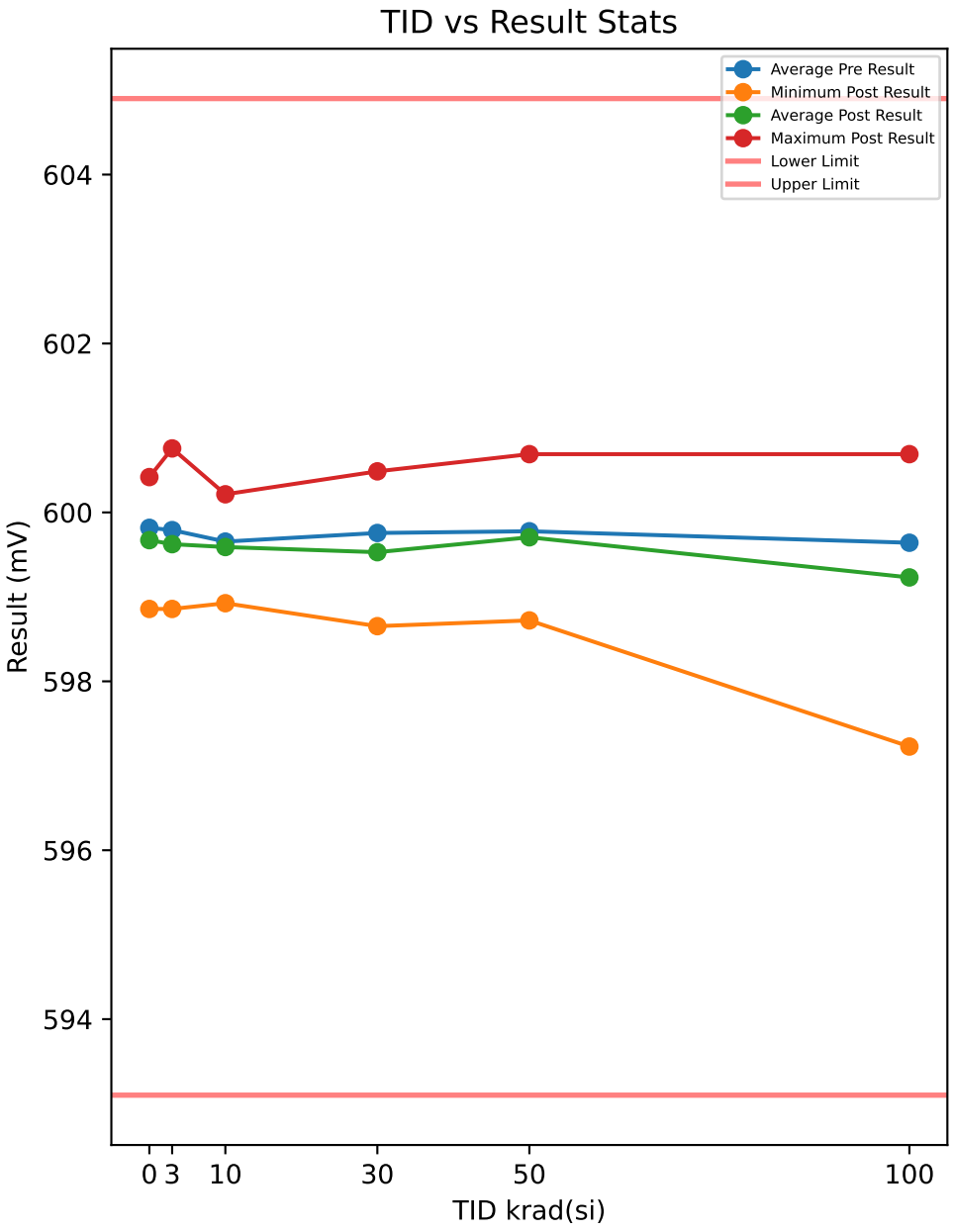
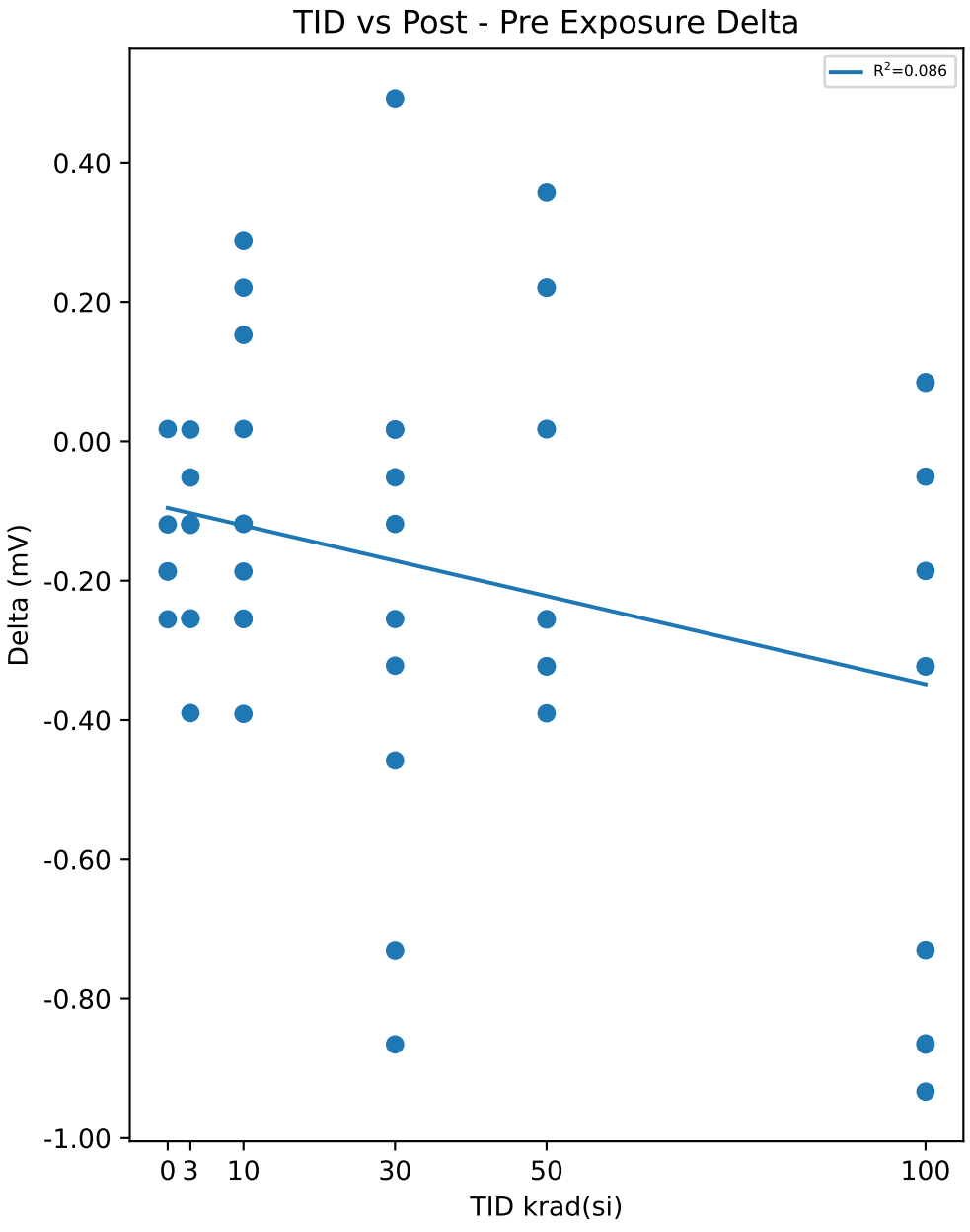
Device Test: 13.1; VTH_SENSE



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

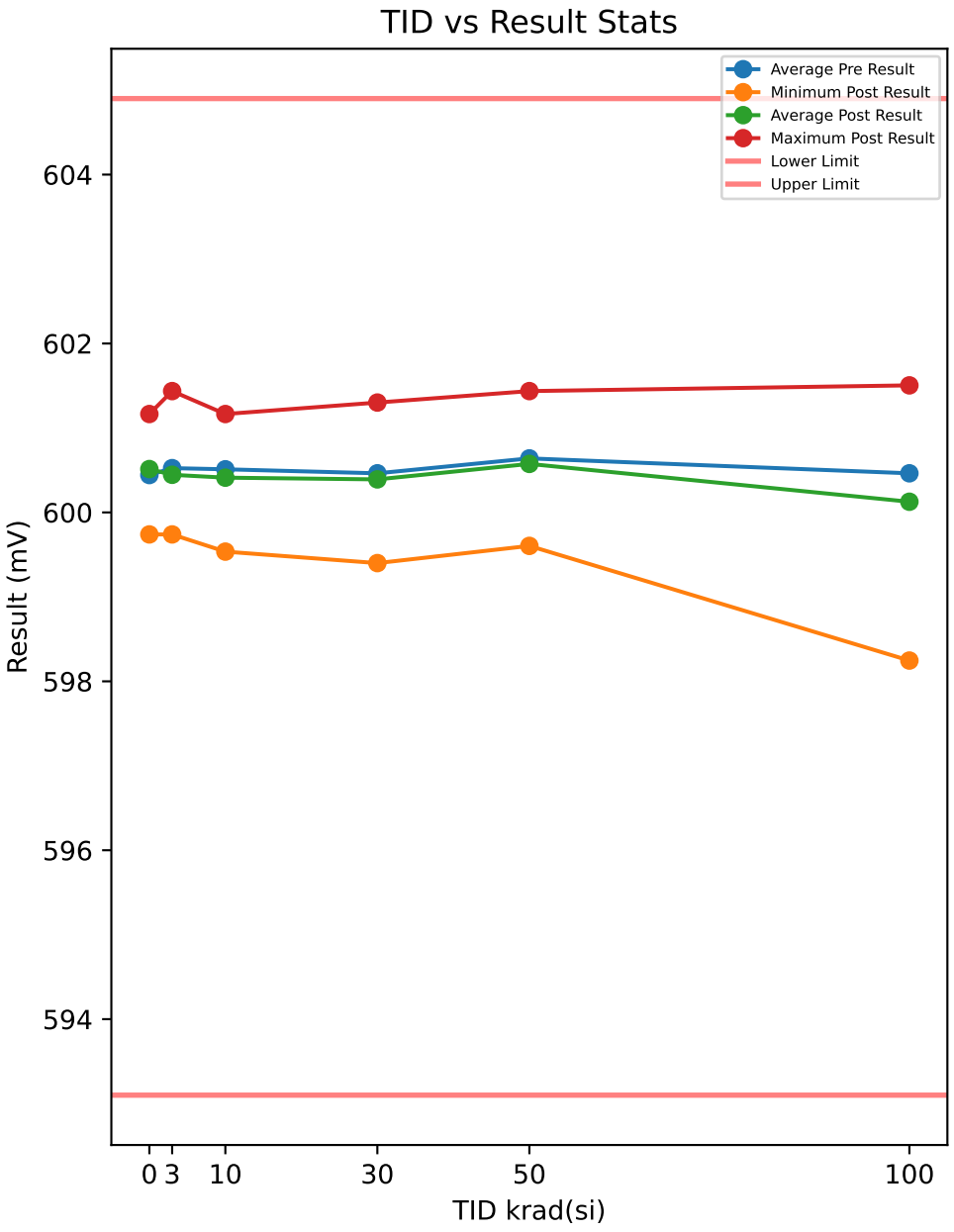
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.13	600.01	-0.1192
2	3	Biased	600.88	600.76	-0.1198
3	3	Biased	600.74	600.69	-0.0519
4	3	Biased	599.93	599.67	-0.2548
5	3	Biased	599.45	599.33	-0.1186
6	3	Unbiased	599.59	599.33	-0.2545
7	3	Unbiased	599.04	598.92	-0.1182
8	3	Unbiased	599.72	599.74	0.0169
9	3	Unbiased	599.25	598.86	-0.3899
10	3	Unbiased	599.18	598.92	-0.2541
11	10	Biased	599.79	599.6	-0.1868
12	10	Biased	599.18	599.06	-0.1183
13	10	Biased	599.79	600.01	0.2205
14	10	Biased	599.11	598.99	-0.1183
15	10	Biased	600.61	600.21	-0.3911
16	10	Unbiased	599.45	599.2	-0.2544
17	10	Unbiased	599.65	599.94	0.2885
18	10	Unbiased	599.72	599.88	0.1527
19	10	Unbiased	600.33	600.08	-0.2551
20	10	Unbiased	598.91	598.92	0.0177
21	30	Biased	599.31	599.2	-0.1185
22	30	Biased	600.54	600.49	-0.0516
23	30	Biased	599.45	599.94	0.4923
24	30	Biased	600.06	599.81	-0.255
25	30	Biased	599.52	599.06	-0.458
26	30	Unbiased	600.67	599.94	-0.7306
27	30	Unbiased	599.65	598.79	-0.8655
28	30	Unbiased	598.98	598.65	-0.3219
29	30	Unbiased	599.72	599.74	0.0169
30	30	Unbiased	599.65	599.67	0.017
31	50	Biased	599.72	599.33	-0.3903
32	50	Biased	600.13	599.81	-0.3229
33	50	Biased	600.47	600.21	-0.2552
34	50	Biased	600.95	600.69	-0.2557
35	50	Biased	599.72	599.4	-0.3225
36	50	Unbiased	599.93	600.15	0.2204
37	50	Unbiased	599.25	599.6	0.3568
38	50	Unbiased	599.72	599.94	0.2206
39	50	Unbiased	598.7	598.72	0.0178
40	50	Unbiased	599.18	599.2	0.0174
41	100	Biased	600.06	599.33	-0.7301
42	100	Biased	599.72	598.79	-0.9334
43	100	Biased	599.93	599.6	-0.3227
44	100	Biased	600.06	599.2	-0.8659
45	100	Biased	598.91	598.72	-0.186
46	100	Unbiased	600.13	599.81	-0.3229
47	100	Unbiased	599.38	599.33	-0.0506
48	100	Unbiased	600.61	600.69	0.084
49	100	Unbiased	599.52	599.6	0.085
50	100	Unbiased	598.09	597.23	-0.8641
51	0	Correlation	600.67	600.42	-0.2554
53	0	Correlation	600.27	600.15	-0.1192
54	0	Correlation	599.45	599.26	-0.1865
55	0	Correlation	598.84	598.86	0.0177
56	0	Correlation	599.86	599.67	-0.1868

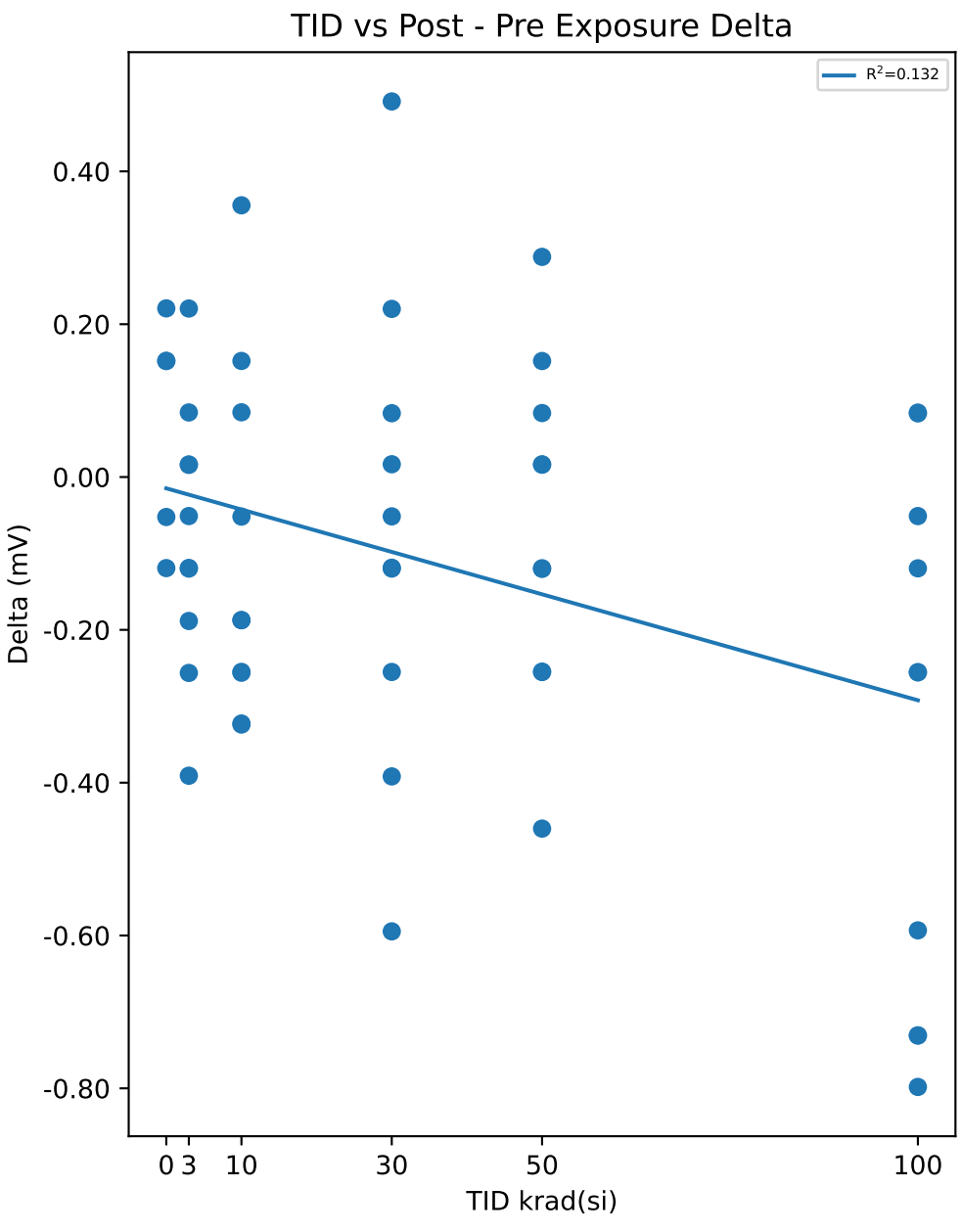


Test Statistics (mV)

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	599.82	600.67	0.71191	598.86	599.67	600.42	0.63499	-0.2554	-0.14604	0.0177	0.10343
3	599.04	599.79	600.88	0.63332	598.86	599.62	600.76	0.69303	-0.3899	-0.16641	0.0169	0.11969
10	598.91	599.65	600.61	0.53016	598.92	599.59	600.21	0.49964	-0.3911	-0.06446	0.2885	0.22597
30	598.98	599.76	600.67	0.52942	598.65	599.53	600.49	0.58171	-0.8655	-0.22749	0.4923	0.39488
50	598.7	599.78	600.95	0.64916	598.72	599.71	600.69	0.57356	-0.3903	-0.07136	0.3568	0.2719
100	598.09	599.64	600.61	0.71748	597.23	599.23	600.69	0.89615	-0.9334	-0.41067	0.085	0.4047

Device Test: 13.10; VTH_SENSE





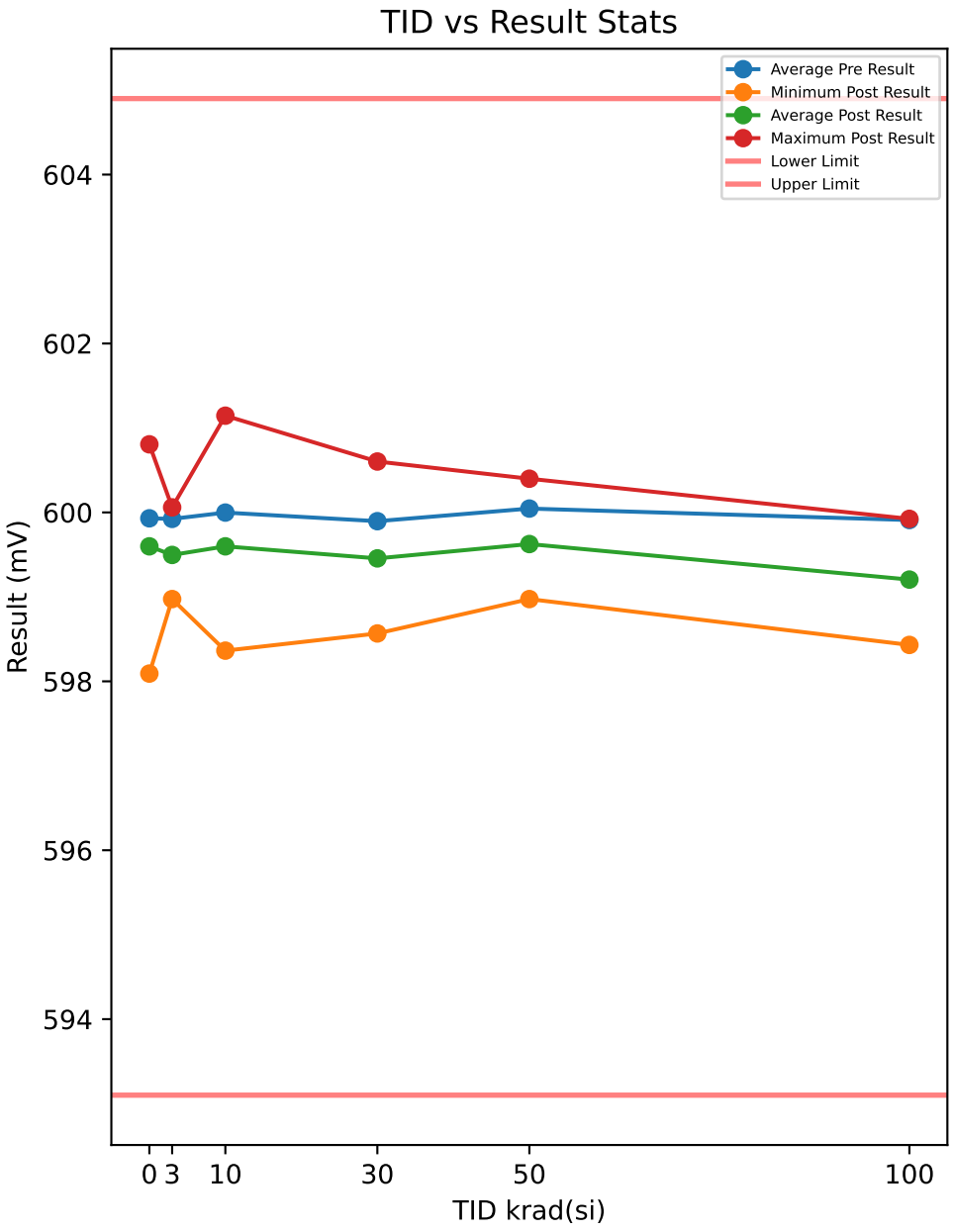
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

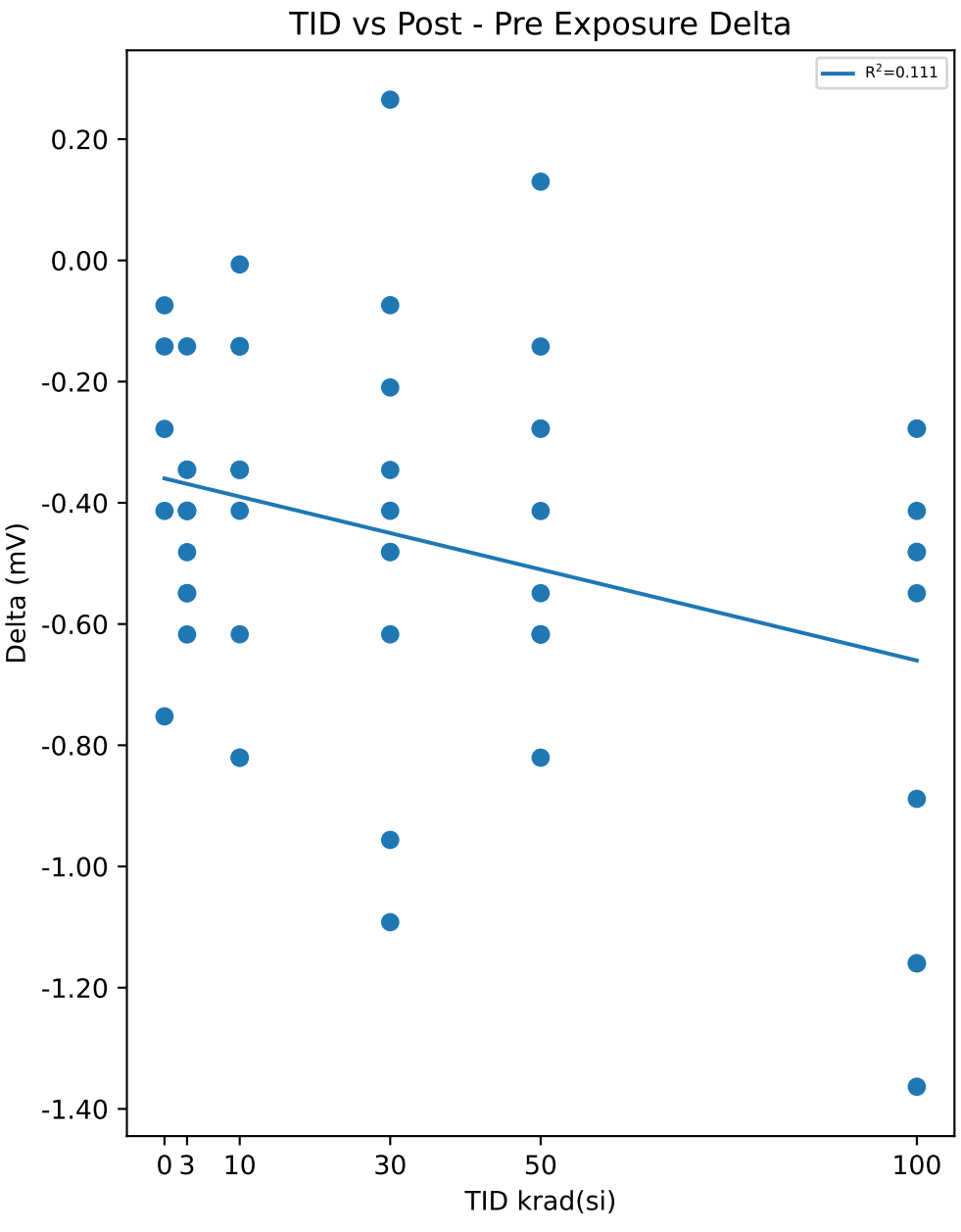
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.81	600.83	0.0159
2	3	Biased	601.69	601.44	-0.2564
3	3	Biased	601.56	601.37	-0.1884
4	3	Biased	600.81	600.69	-0.1198
5	3	Biased	600.4	600.01	-0.3909
6	3	Unbiased	600.13	600.21	0.0845
7	3	Unbiased	599.86	599.81	-0.0511
8	3	Unbiased	600.33	600.35	0.0164
9	3	Unbiased	599.86	599.74	-0.119
10	3	Unbiased	599.79	600.01	0.2205
11	10	Biased	600.47	600.28	-0.1874
12	10	Biased	600.2	599.94	-0.255
13	10	Biased	600.61	600.76	0.1519
14	10	Biased	599.86	599.54	-0.3226
15	10	Biased	601.42	601.16	-0.2561
16	10	Unbiased	600.33	600.15	-0.1872
17	10	Unbiased	600.61	600.55	-0.0518
18	10	Unbiased	600.47	600.83	0.3556
19	10	Unbiased	601.29	600.96	-0.3239
20	10	Unbiased	599.86	599.94	0.0847
21	30	Biased	599.93	599.94	0.0167
22	30	Biased	601.22	601.3	0.0835
23	30	Biased	600.33	600.83	0.4915
24	30	Biased	600.81	600.69	-0.1198
25	30	Biased	600.33	600.08	-0.2551
26	30	Unbiased	601.35	600.96	-0.3918
27	30	Unbiased	600.33	599.74	-0.5946
28	30	Unbiased	599.52	599.4	-0.1187
29	30	Unbiased	600.4	600.62	0.22
30	30	Unbiased	600.4	600.35	-0.0515
31	50	Biased	600.4	600.28	-0.1194
32	50	Biased	600.67	600.69	0.0161
33	50	Biased	601.22	601.1	-0.1202
34	50	Biased	601.9	601.44	-0.4601
35	50	Biased	600.47	600.21	-0.2552
36	50	Unbiased	601.01	601.1	0.0837
37	50	Unbiased	600.06	600.35	0.2881
38	50	Unbiased	600.67	600.83	0.1518
39	50	Unbiased	599.86	599.6	-0.2547
40	50	Unbiased	600.13	600.15	0.0166
41	100	Biased	601.01	600.28	-0.7309
42	100	Biased	600.4	599.6	-0.7982
43	100	Biased	600.67	600.42	-0.2554
44	100	Biased	600.74	600.01	-0.7307
45	100	Biased	599.79	599.74	-0.0511
46	100	Unbiased	600.88	600.62	-0.2556
47	100	Unbiased	600.33	600.42	0.0843
48	100	Unbiased	601.42	601.5	0.0833
49	100	Unbiased	600.54	600.42	-0.1195
50	100	Unbiased	598.84	598.25	-0.5933
51	0	Correlation	601.22	601.16	-0.0523
53	0	Correlation	600.67	600.83	0.1518
54	0	Correlation	600.27	600.15	-0.1192
55	0	Correlation	599.52	599.74	0.2207
56	0	Correlation	600.54	600.69	0.152

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	600.44	601.22	0.62197	599.74	600.51	601.16	0.56714	-0.1192	0.0706	0.2207	0.14738
3	599.79	600.52	601.69	0.6853	599.74	600.45	601.44	0.61319	-0.3909	-0.07883	0.2205	0.17616
10	599.86	600.51	601.42	0.51962	599.54	600.41	601.16	0.52429	-0.3239	-0.09918	0.3556	0.22871
30	599.52	600.46	601.35	0.54959	599.4	600.39	601.3	0.59542	-0.5946	-0.07198	0.4915	0.30707
50	599.86	600.64	601.9	0.60957	599.6	600.57	601.44	0.55336	-0.4601	-0.06533	0.2881	0.22143
100	598.84	600.46	601.42	0.7172	598.25	600.13	601.5	0.84305	-0.7982	-0.33671	0.0843	0.34722

Device Test: 13.11; VTH_SENSE





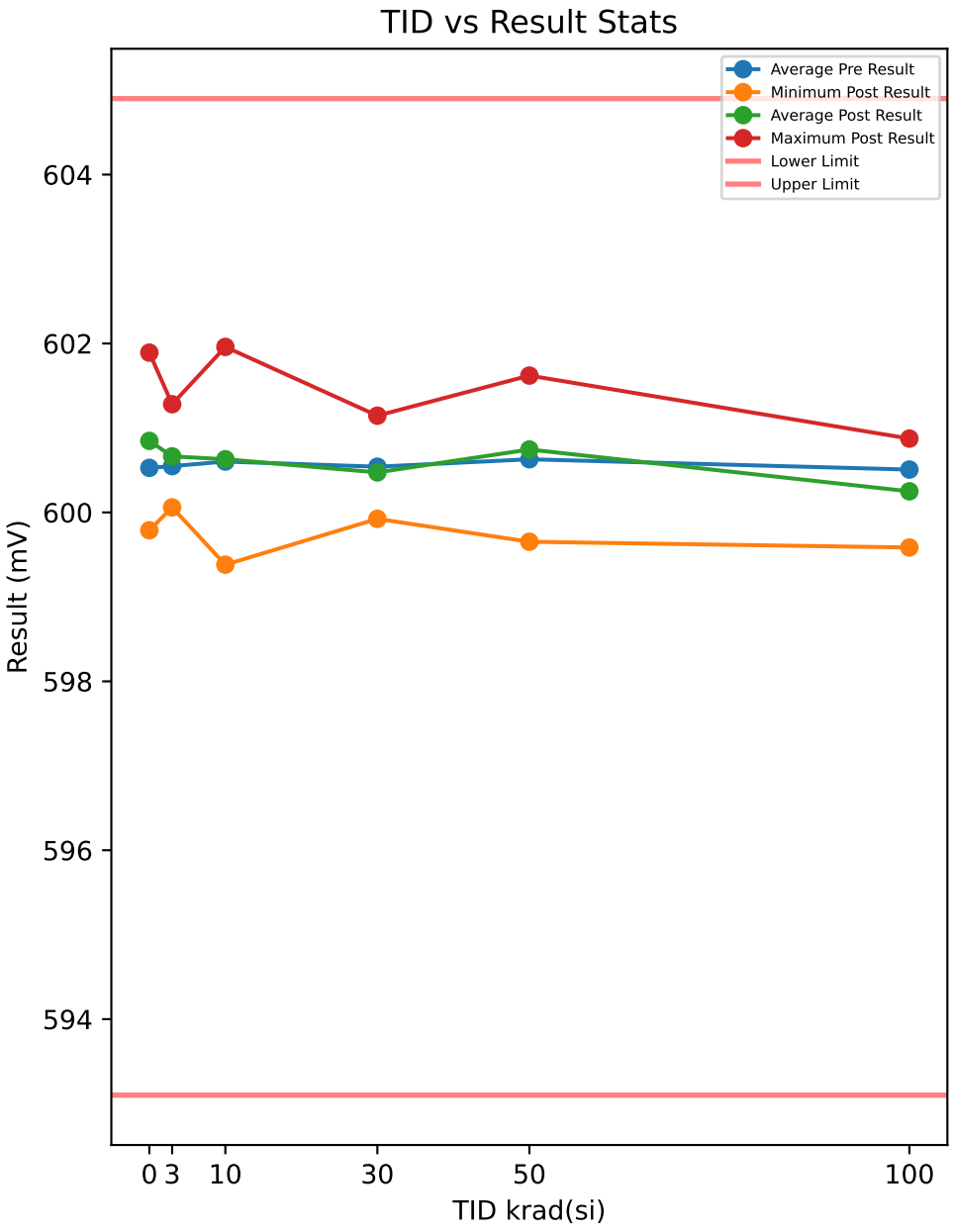
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.68	600.06	-0.6172
2	3	Biased	599.93	599.52	-0.4133
3	3	Biased	600.54	600.06	-0.4814
4	3	Biased	599.93	599.58	-0.3455
5	3	Biased	599.59	599.18	-0.4133
6	3	Unbiased	599.79	599.25	-0.549
7	3	Unbiased	599.39	599.04	-0.3453
8	3	Unbiased	599.73	599.58	-0.1419
9	3	Unbiased	599.39	598.97	-0.4131
10	3	Unbiased	600.27	599.72	-0.5492
11	10	Biased	600.61	600.47	-0.1422
12	10	Biased	599.32	598.91	-0.4131
13	10	Biased	599.73	599.38	-0.3455
14	10	Biased	600.07	599.25	-0.8205
15	10	Biased	600.47	600.13	-0.3456
16	10	Unbiased	599.86	599.25	-0.6169
17	10	Unbiased	600.27	599.92	-0.3456
18	10	Unbiased	601.15	601.15	-0.0067
19	10	Unbiased	600	599.18	-0.8206
20	10	Unbiased	598.5	598.36	-0.1414
21	30	Biased	599.66	599.45	-0.2097
22	30	Biased	600.81	600.47	-0.3458
23	30	Biased	600.34	600.6	0.2652
24	30	Biased	600	599.52	-0.4812
25	30	Biased	600.2	599.58	-0.617
26	30	Unbiased	599.93	598.97	-0.9562
27	30	Unbiased	599.66	598.57	-1.0919
28	30	Unbiased	599.52	599.04	-0.4811
29	30	Unbiased	599.59	599.52	-0.0739
30	30	Unbiased	599.25	598.84	-0.4131
31	50	Biased	600.07	599.25	-0.8205
32	50	Biased	600	599.45	-0.5491
33	50	Biased	600.88	600.26	-0.6172
34	50	Biased	600.68	600.06	-0.6172
35	50	Biased	600.2	599.79	-0.4135
36	50	Unbiased	600.54	600.4	-0.1421
37	50	Unbiased	598.84	598.97	0.1299
38	50	Unbiased	600	599.72	-0.2777
39	50	Unbiased	599.73	599.11	-0.6169
40	50	Unbiased	599.52	599.25	-0.2775
41	100	Biased	600.2	598.84	-1.3634
42	100	Biased	600.2	599.04	-1.1599
43	100	Biased	600.27	599.72	-0.5492
44	100	Biased	599.59	598.43	-1.1597
45	100	Biased	599.12	598.63	-0.4809
46	100	Unbiased	599.79	599.38	-0.4133
47	100	Unbiased	600.27	599.79	-0.4814
48	100	Unbiased	600.2	599.92	-0.2777
49	100	Unbiased	599.46	599.18	-0.2775
50	100	Unbiased	600	599.11	-0.8884
51	0	Correlation	600.13	600.06	-0.0741
53	0	Correlation	601.08	600.81	-0.2781
54	0	Correlation	599.66	599.25	-0.4133
55	0	Correlation	598.84	598.09	-0.7523
56	0	Correlation	599.93	599.79	-0.142

Test Statistics (mV)

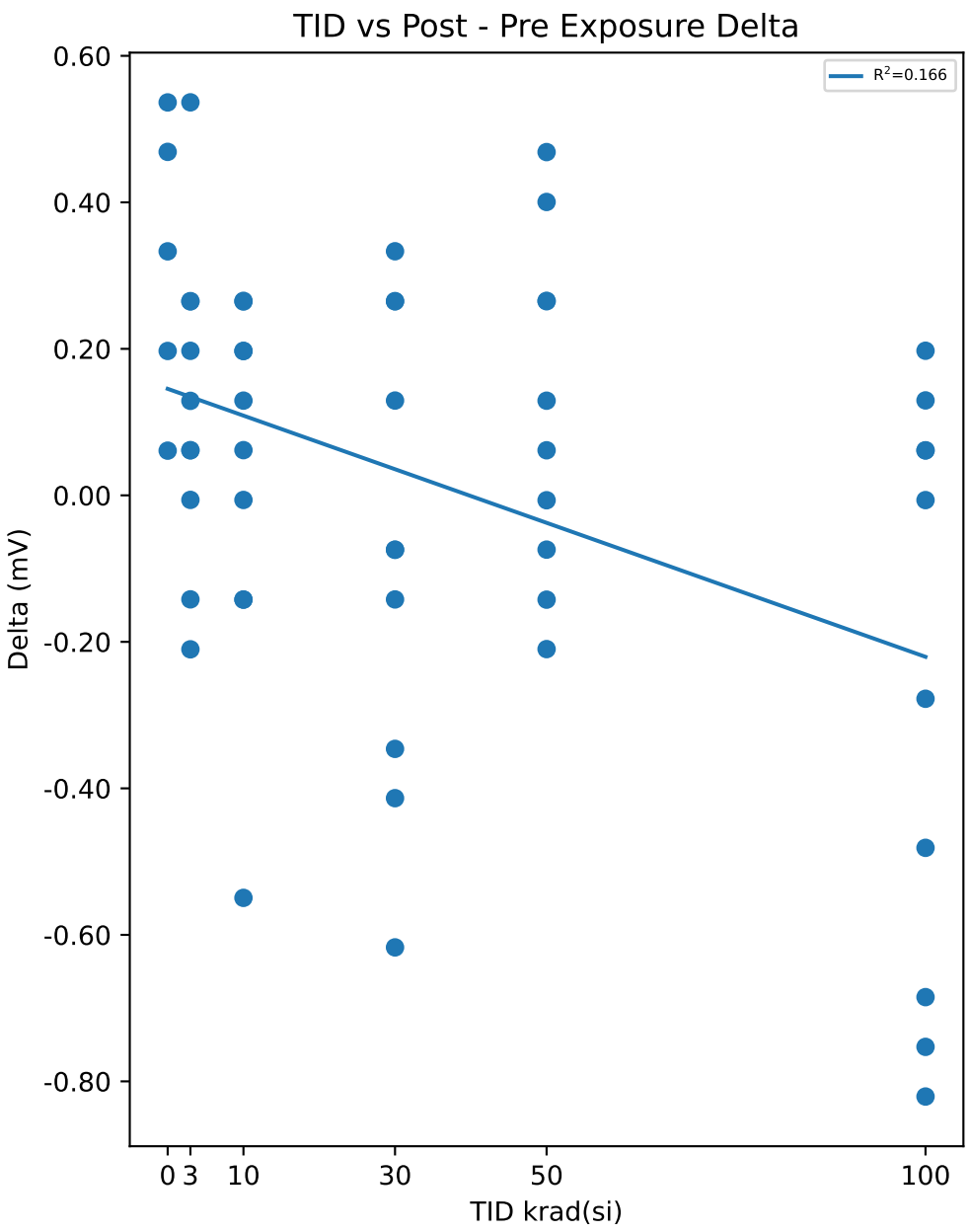
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	598.84	599.93	601.08	0.81032	598.09	599.6	600.81	1.0126	-0.7523	-0.33196	-0.0741	0.26869
3	599.39	599.92	600.68	0.44852	598.97	599.5	600.06	0.38659	-0.6172	-0.42692	-0.1419	0.13504
10	598.5	600	601.15	0.7297	598.36	599.6	601.15	0.81729	-0.8206	-0.39981	-0.0067	0.27846
30	599.25	599.9	600.81	0.45953	598.57	599.46	600.6	0.66136	-1.0919	-0.44047	0.2652	0.39723
50	598.84	600.05	600.88	0.59526	598.97	599.63	600.4	0.49885	-0.8205	-0.42018	0.1299	0.28163
100	599.12	599.91	600.27	0.40483	598.43	599.2	599.92	0.49987	-1.3634	-0.70514	-0.2775	0.40218

Device Test: 13.12; VTH_SENSE



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

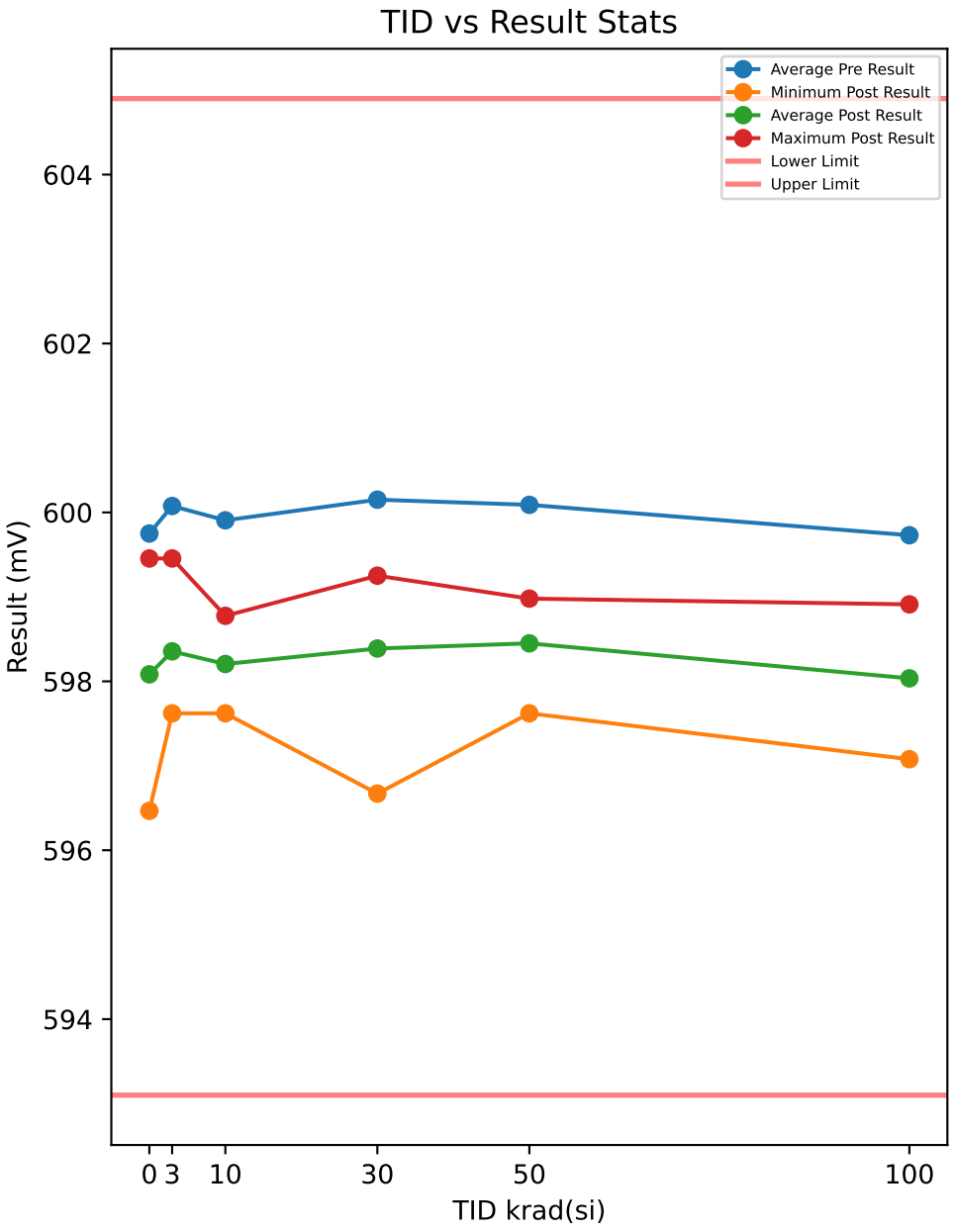
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	601.22	601.01	-0.2102
2	3	Biased	600.41	600.67	0.2651
3	3	Biased	601.15	601.28	0.129
4	3	Biased	600.47	601.01	0.5365
5	3	Biased	600.2	600.26	0.0616
6	3	Unbiased	600.41	600.47	0.0615
7	3	Unbiased	600.07	600.06	-0.0062
8	3	Unbiased	600.34	600.53	0.1973
9	3	Unbiased	600.2	600.06	-0.142
10	3	Unbiased	601.02	601.28	0.2648
11	10	Biased	601.15	601.01	-0.1424
12	10	Biased	599.86	599.92	0.0617
13	10	Biased	600.34	600.33	-0.0063
14	10	Biased	600.61	600.47	-0.1422
15	10	Biased	601.22	600.67	-0.5495
16	10	Unbiased	600.47	600.67	0.1972
17	10	Unbiased	601.02	601.21	0.197
18	10	Unbiased	601.7	601.96	0.2646
19	10	Unbiased	600.54	600.67	0.1293
20	10	Unbiased	599.12	599.38	0.2655
21	30	Biased	600.47	600.4	-0.0742
22	30	Biased	601.49	601.15	-0.3461
23	30	Biased	600.88	601.15	0.2649
24	30	Biased	600.54	600.4	-0.1421
25	30	Biased	600.81	600.74	-0.0743
26	30	Unbiased	600.54	599.92	-0.6171
27	30	Unbiased	600.41	599.99	-0.4134
28	30	Unbiased	600.2	600.47	0.2651
29	30	Unbiased	600.27	600.4	0.1294
30	30	Unbiased	599.79	600.13	0.3332
31	50	Biased	600.47	600.26	-0.2099
32	50	Biased	600.68	600.81	0.1292
33	50	Biased	601.36	601.35	-0.0067
34	50	Biased	601.29	601.15	-0.1424
35	50	Biased	600.74	601.01	0.265
36	50	Unbiased	601.22	601.62	0.4005
37	50	Unbiased	599.39	599.65	0.2655
38	50	Unbiased	600.54	601.01	0.4686
39	50	Unbiased	600.47	600.53	0.0615
40	50	Unbiased	600.13	600.06	-0.0741
41	100	Biased	600.74	599.92	-0.8207
42	100	Biased	600.88	600.13	-0.7529
43	100	Biased	600.88	600.87	-0.0065
44	100	Biased	600.07	599.58	-0.4812
45	100	Biased	599.79	599.92	0.1296
46	100	Unbiased	600.41	600.13	-0.2777
47	100	Unbiased	600.74	600.81	0.0614
48	100	Unbiased	600.74	600.81	0.0614
49	100	Unbiased	600.07	600.26	0.1974
50	100	Unbiased	600.74	600.06	-0.685
51	0	Correlation	600.81	601.01	0.1971
53	0	Correlation	601.83	601.89	0.061
54	0	Correlation	600.07	600.4	0.3331
55	0	Correlation	599.32	599.79	0.4689
56	0	Correlation	600.61	601.15	0.5364

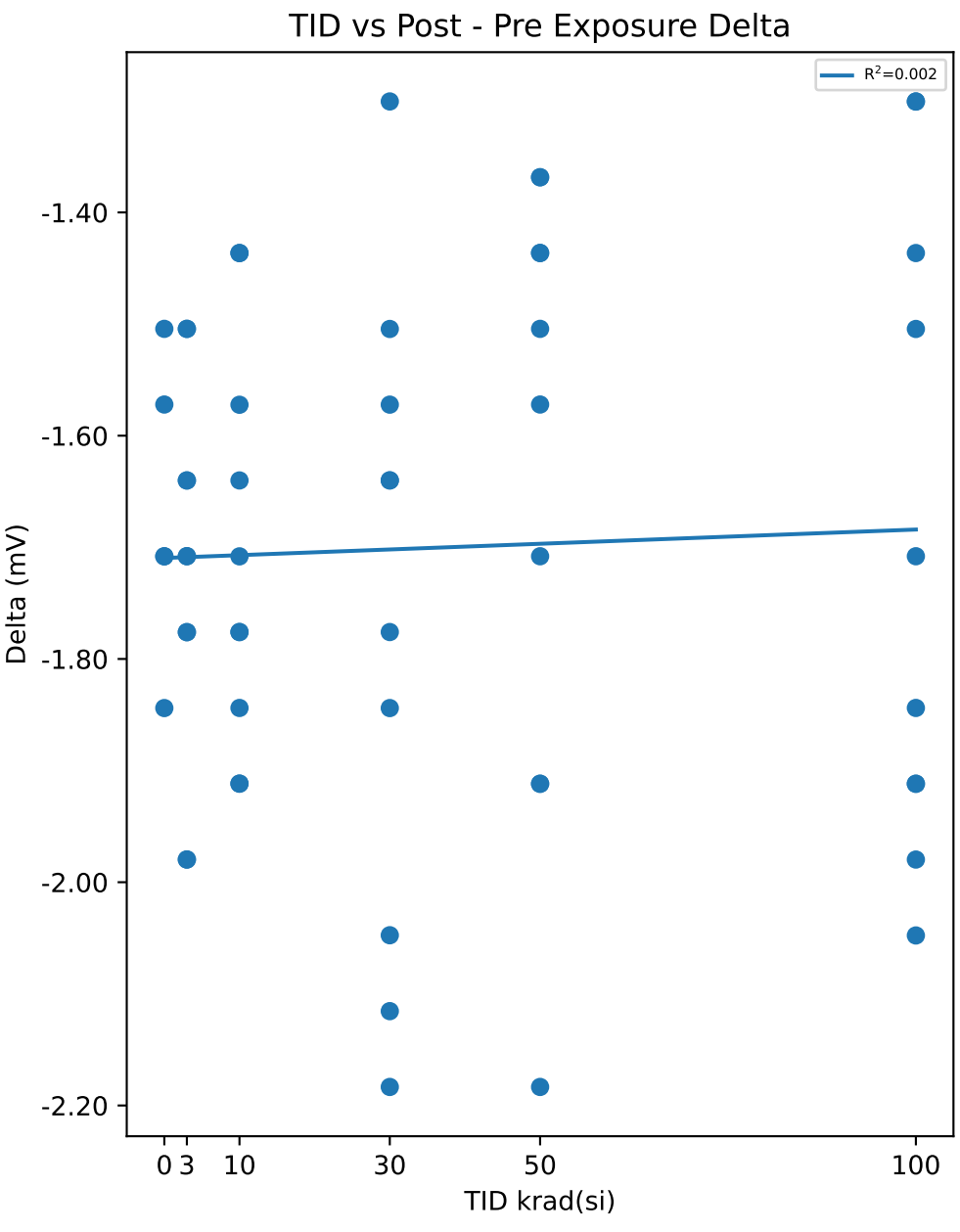


Test Statistics (mV)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	599.32	600.53	601.83	0.92996	599.79	600.85	601.89	0.79512	0.061	0.3193	0.5364	0.19452
3	600.07	600.55	601.22	0.42146	600.06	600.66	601.28	0.46514	-0.2102	0.11574	0.5365	0.21649
10	599.12	600.6	601.7	0.7377	599.38	600.63	601.96	0.70171	-0.5495	0.02749	0.2655	0.25247
30	599.79	600.54	601.49	0.45481	599.92	600.47	601.15	0.4273	-0.6171	-0.06746	0.3332	0.32066
50	599.39	600.63	601.36	0.59355	599.65	600.75	601.62	0.61233	-0.2099	0.11572	0.4686	0.23025
100	599.79	600.51	600.88	0.39613	599.58	600.25	600.87	0.43836	-0.8207	-0.25742	0.1974	0.39707

Device Test: 13.13; VTH_SENSE





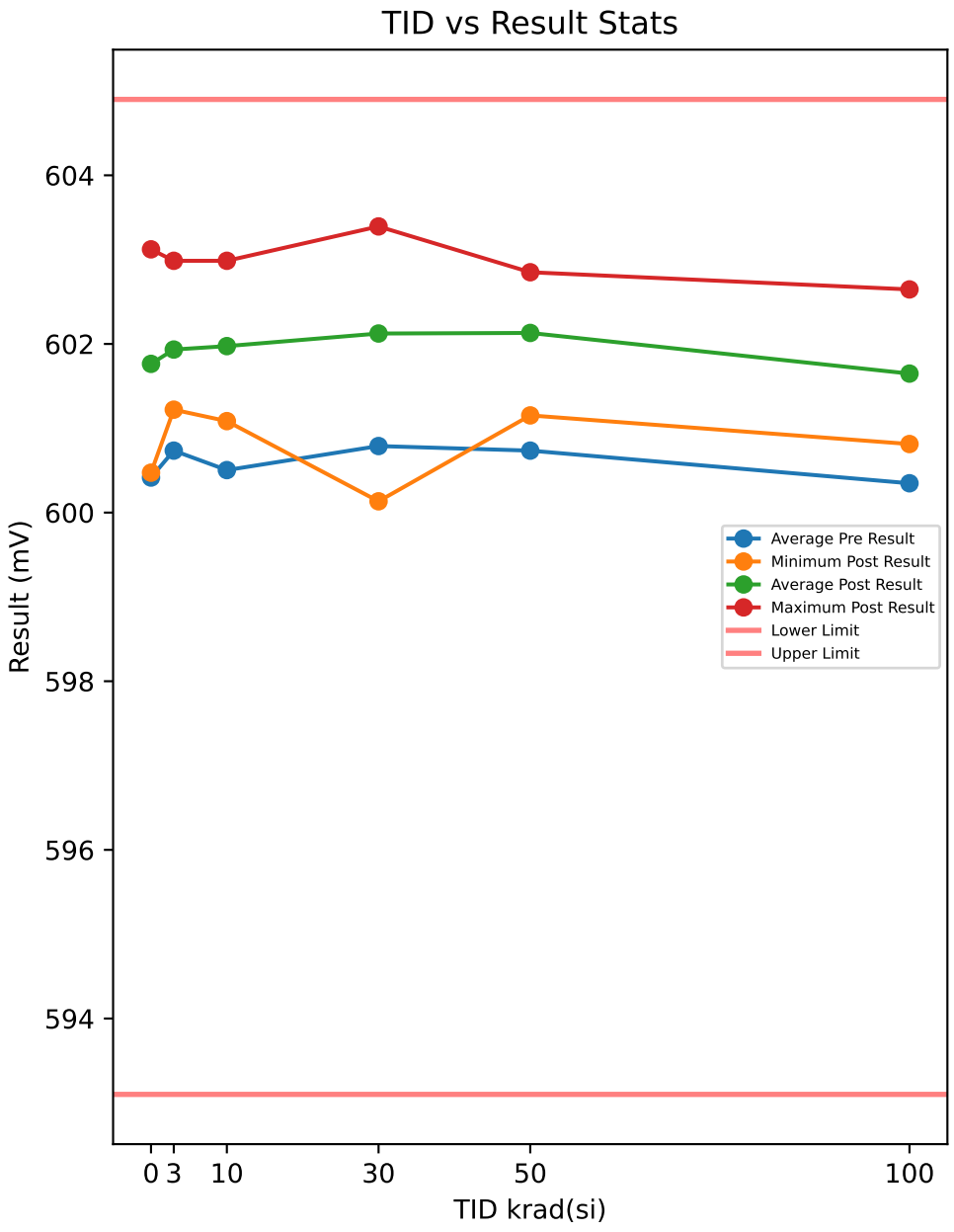
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

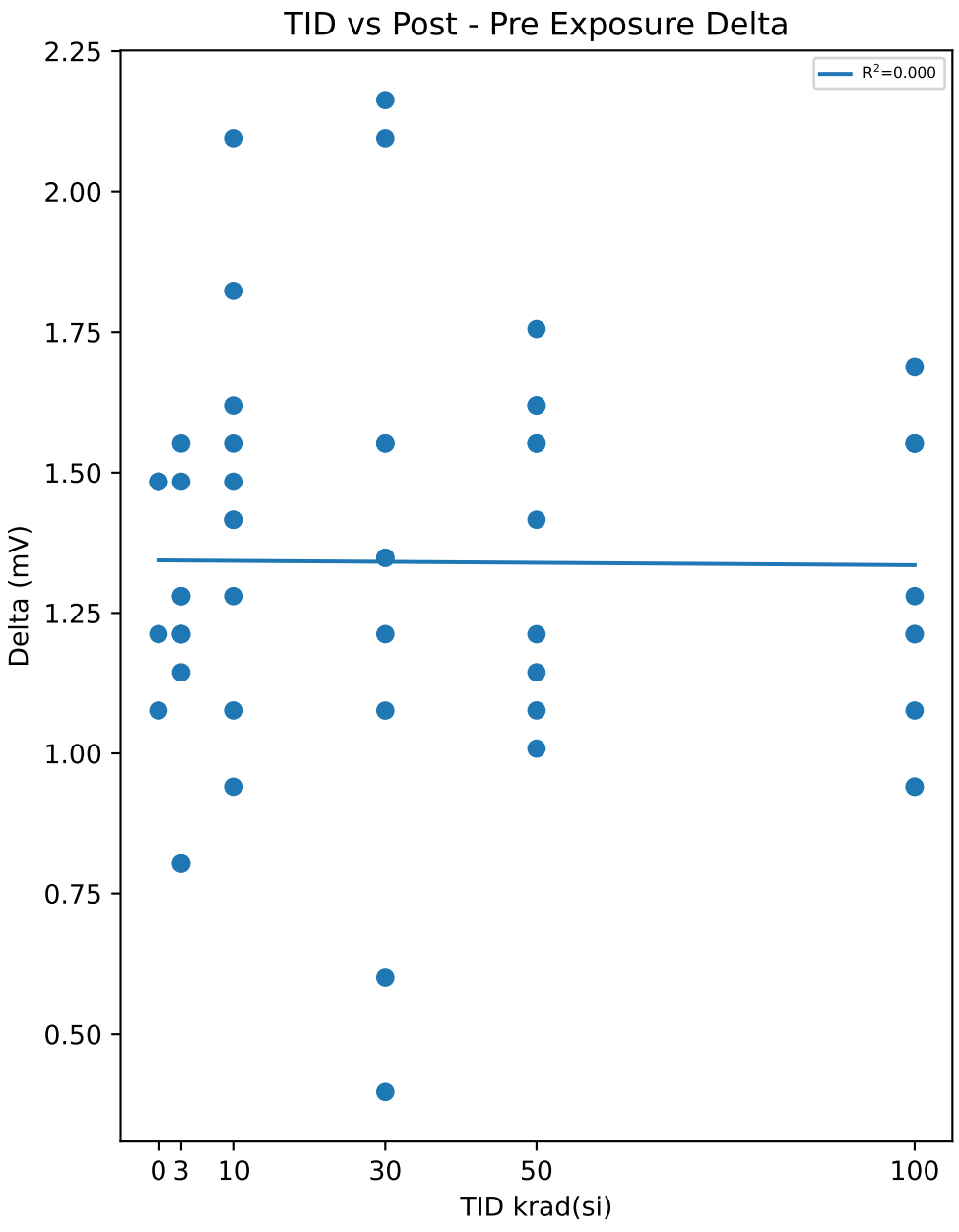
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.82	598.84	-1.9796
2	3	Biased	601.16	599.45	-1.7079
3	3	Biased	600.69	599.05	-1.6401
4	3	Biased	600.14	598.64	-1.5043
5	3	Biased	599.4	597.62	-1.776
6	3	Unbiased	599.74	598.1	-1.6401
7	3	Unbiased	599.53	598.03	-1.5043
8	3	Unbiased	600.14	598.44	-1.708
9	3	Unbiased	599.74	597.76	-1.9797
10	3	Unbiased	599.4	597.62	-1.776
11	10	Biased	599.8	598.03	-1.7759
12	10	Biased	599.19	597.62	-1.5723
13	10	Biased	599.47	598.03	-1.4364
14	10	Biased	599.33	597.62	-1.7081
15	10	Biased	600.69	598.78	-1.9117
16	10	Unbiased	600.14	598.3	-1.8439
17	10	Unbiased	600.35	598.44	-1.9117
18	10	Unbiased	600.21	598.78	-1.4364
19	10	Unbiased	600.21	598.44	-1.7759
20	10	Unbiased	599.67	598.03	-1.6401
21	30	Biased	600.01	598.23	-1.7759
22	30	Biased	600.76	599.12	-1.6401
23	30	Biased	600.42	599.12	-1.3006
24	30	Biased	600.89	599.25	-1.64
25	30	Biased	600.89	598.84	-2.0475
26	30	Unbiased	600.14	598.03	-2.1155
27	30	Unbiased	600.48	598.3	-2.1834
28	30	Unbiased	598.51	596.67	-1.844
29	30	Unbiased	600.69	599.12	-1.5722
30	30	Unbiased	598.72	597.21	-1.5044
31	50	Biased	600.42	598.23	-2.1834
32	50	Biased	599.87	598.44	-1.4363
33	50	Biased	600.08	598.57	-1.5043
34	50	Biased	600.28	598.84	-1.4364
35	50	Biased	599.87	598.5	-1.3685
36	50	Unbiased	600.55	598.98	-1.5721
37	50	Unbiased	599.6	598.23	-1.3685
38	50	Unbiased	600.48	598.78	-1.708
39	50	Unbiased	599.53	597.62	-1.9118
40	50	Unbiased	600.21	598.3	-1.9118
41	100	Biased	600.14	598.23	-1.9118
42	100	Biased	599.13	597.08	-2.0477
43	100	Biased	599.53	598.23	-1.3006
44	100	Biased	599.6	597.62	-1.9797
45	100	Biased	598.92	597.62	-1.3007
46	100	Unbiased	600.42	598.57	-1.8439
47	100	Unbiased	600.42	598.71	-1.708
48	100	Unbiased	600.35	598.91	-1.4364
49	100	Unbiased	599.06	597.55	-1.5044
50	100	Unbiased	599.74	597.82	-1.9118
51	0	Correlation	600.48	598.78	-1.708
53	0	Correlation	601.03	599.45	-1.5721
54	0	Correlation	599.4	597.89	-1.5043
55	0	Correlation	598.31	596.47	-1.844
56	0	Correlation	599.53	597.82	-1.7081

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	598.31	599.75	601.03	1.0502	596.47	598.08	599.45	1.1266	-1.844	-1.6673	-1.5043	0.13245
3	599.4	600.08	601.16	0.62972	597.62	598.35	599.45	0.63448	-1.9797	-1.7216	-1.5043	0.16573
10	599.19	599.91	600.69	0.4889	597.62	598.21	598.78	0.41396	-1.9117	-1.7012	-1.4364	0.17663
30	598.51	600.15	600.89	0.86161	596.67	598.39	599.25	0.88375	-2.1834	-1.7624	-1.3006	0.28596
50	599.53	600.09	600.55	0.36048	597.62	598.45	598.98	0.38921	-2.1834	-1.6401	-1.3685	0.2791
100	598.92	599.73	600.42	0.57926	597.08	598.04	598.91	0.58895	-2.0477	-1.6945	-1.3006	0.28597

Device Test: 13.14; VTH_SENSE





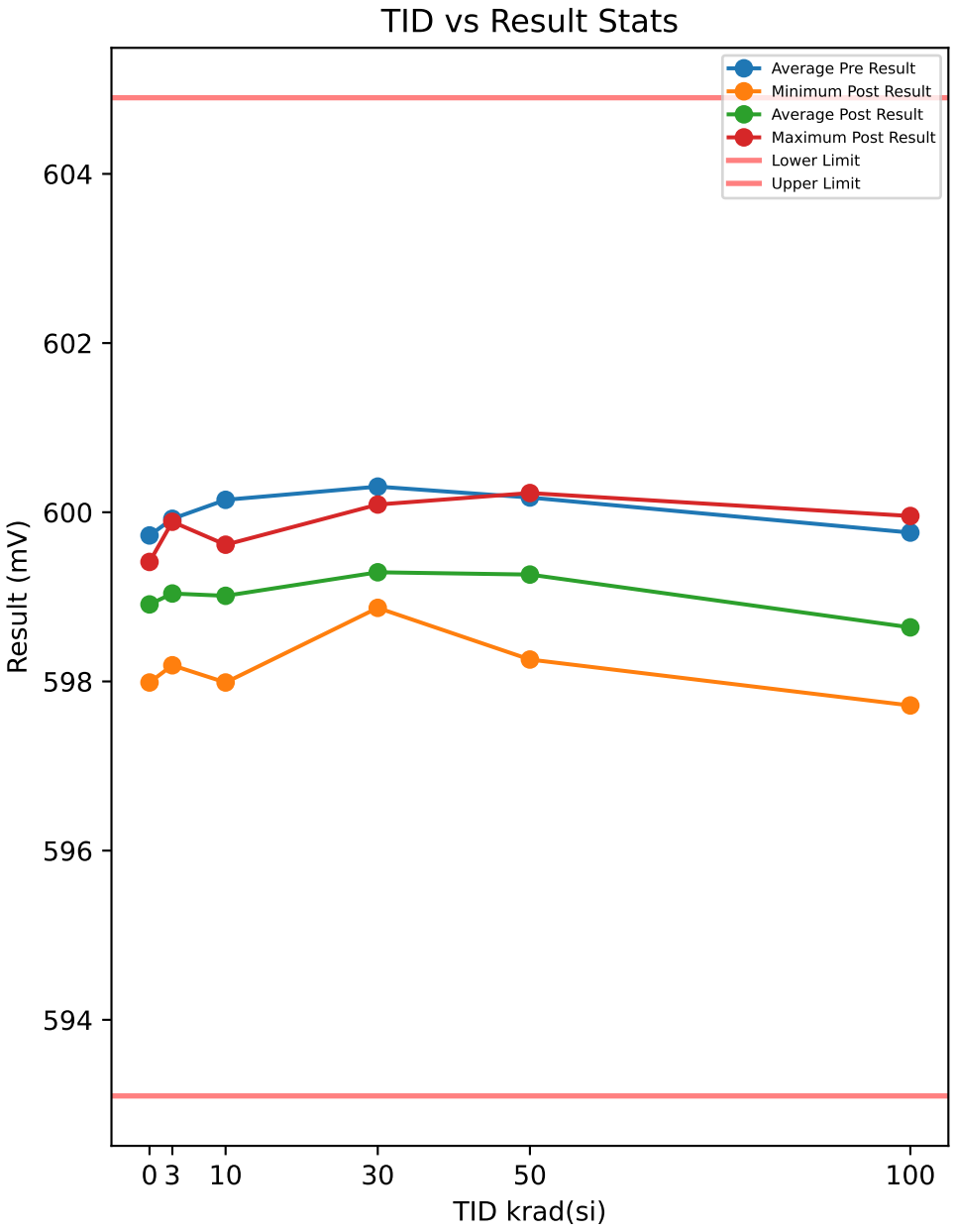
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

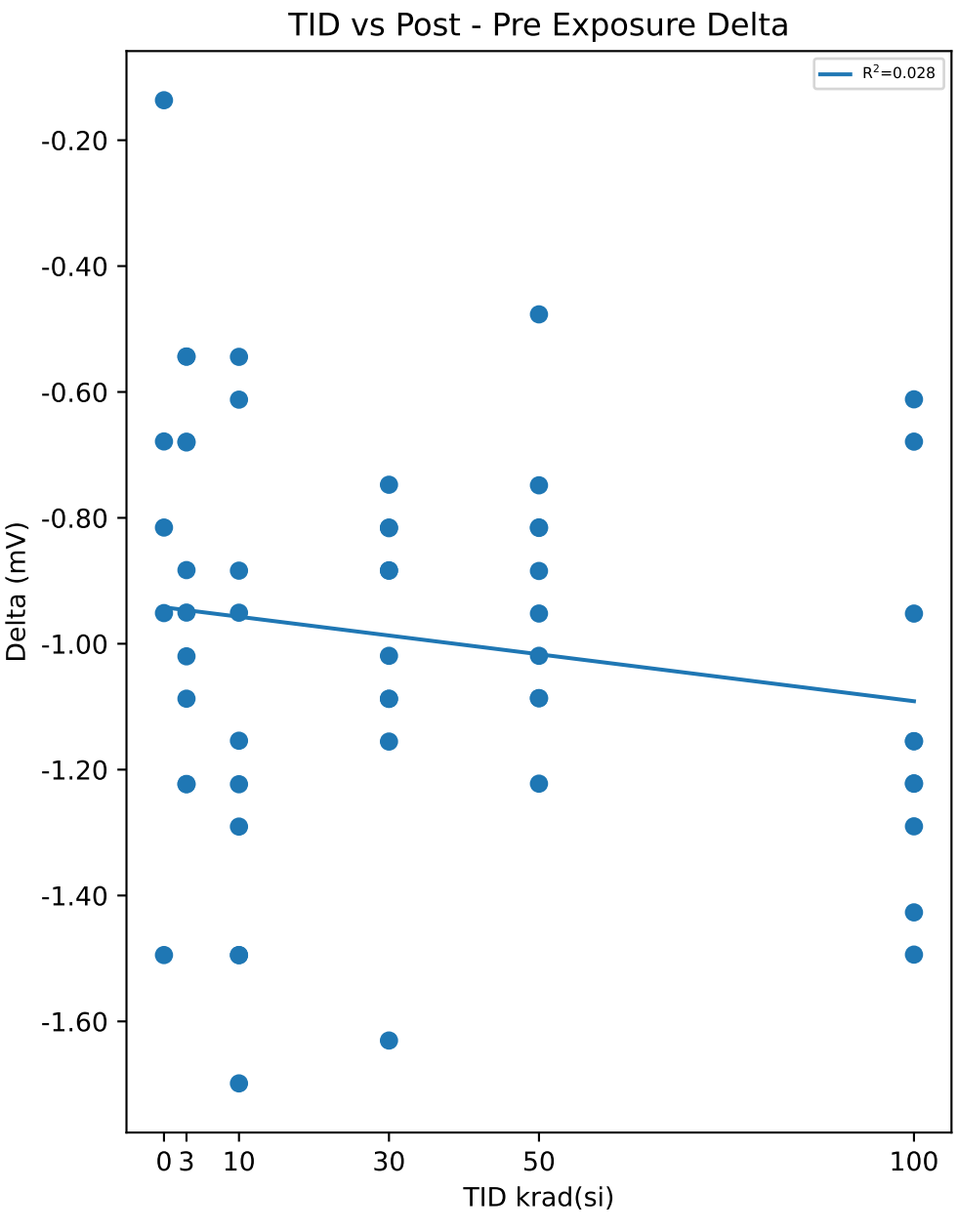
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	601.5	602.65	1.1443
2	3	Biased	601.77	602.99	1.2123
3	3	Biased	601.37	602.17	0.8049
4	3	Biased	600.82	602.04	1.2122
5	3	Biased	599.94	601.22	1.28
6	3	Unbiased	600.28	601.56	1.2801
7	3	Unbiased	600.21	601.76	1.5517
8	3	Unbiased	600.96	601.76	0.8048
9	3	Unbiased	600.35	601.83	1.4838
10	3	Unbiased	600.14	601.36	1.2121
11	10	Biased	600.48	601.9	1.4159
12	10	Biased	599.53	601.08	1.5517
13	10	Biased	600.21	601.83	1.6196
14	10	Biased	600.14	601.42	1.2801
15	10	Biased	601.3	602.37	1.0764
16	10	Unbiased	600.62	602.1	1.4838
17	10	Unbiased	600.96	602.37	1.416
18	10	Unbiased	600.89	602.99	2.0951
19	10	Unbiased	600.82	601.76	0.9406
20	10	Unbiased	600.08	601.9	1.8234
21	30	Biased	600.76	601.97	1.2123
22	30	Biased	601.23	603.39	2.163
23	30	Biased	601.09	603.19	2.0951
24	30	Biased	601.43	602.78	1.3482
25	30	Biased	601.43	602.78	1.3482
26	30	Unbiased	600.82	601.42	0.6011
27	30	Unbiased	601.23	601.63	0.3973
28	30	Unbiased	599.06	600.13	1.0762
29	30	Unbiased	601.37	602.92	1.5519
30	30	Unbiased	599.47	601.02	1.5517
31	50	Biased	601.09	602.51	1.4161
32	50	Biased	600.76	601.76	1.0085
33	50	Biased	600.69	602.24	1.5518
34	50	Biased	601.09	602.24	1.1444
35	50	Biased	600.55	602.17	1.6197
36	50	Unbiased	601.23	602.78	1.5518
37	50	Unbiased	600.14	601.76	1.6196
38	50	Unbiased	601.09	602.85	1.7556
39	50	Unbiased	599.94	601.15	1.2121
40	50	Unbiased	600.76	601.83	1.0764
41	100	Biased	600.76	601.7	0.9406
42	100	Biased	599.87	600.81	0.9406
43	100	Biased	600.08	601.63	1.5518
44	100	Biased	600.14	601.7	1.5517
45	100	Biased	599.6	601.29	1.6875
46	100	Unbiased	600.69	601.9	1.2122
47	100	Unbiased	601.09	602.31	1.2123
48	100	Unbiased	601.09	602.65	1.5518
49	100	Unbiased	599.87	601.15	1.2801
50	100	Unbiased	600.28	601.36	1.0763
51	0	Correlation	601.16	602.37	1.2123
53	0	Correlation	601.64	603.12	1.4839
54	0	Correlation	600.14	601.22	1.0763
55	0	Correlation	598.99	600.47	1.4837
56	0	Correlation	600.14	601.63	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	598.99	600.42	601.64	1.0287	600.47	601.76	603.12	1.0243	1.0763	1.348	1.4839	0.19207
3	599.94	600.73	601.77	0.64423	601.22	601.93	602.99	0.55101	0.8048	1.1986	1.5517	0.24333
10	599.53	600.5	601.3	0.52115	601.08	601.97	602.99	0.53035	0.9406	1.4703	2.0951	0.33698
30	599.06	600.79	601.43	0.84343	600.13	602.12	603.39	1.0642	0.3973	1.3345	2.163	0.56348
50	599.94	600.73	601.23	0.42832	601.15	602.13	602.85	0.51939	1.0085	1.3956	1.7556	0.2641
100	599.6	600.35	601.09	0.52987	600.81	601.65	602.65	0.54332	0.9406	1.3005	1.6875	0.27172

Device Test: 13.15; VTH_SENSE





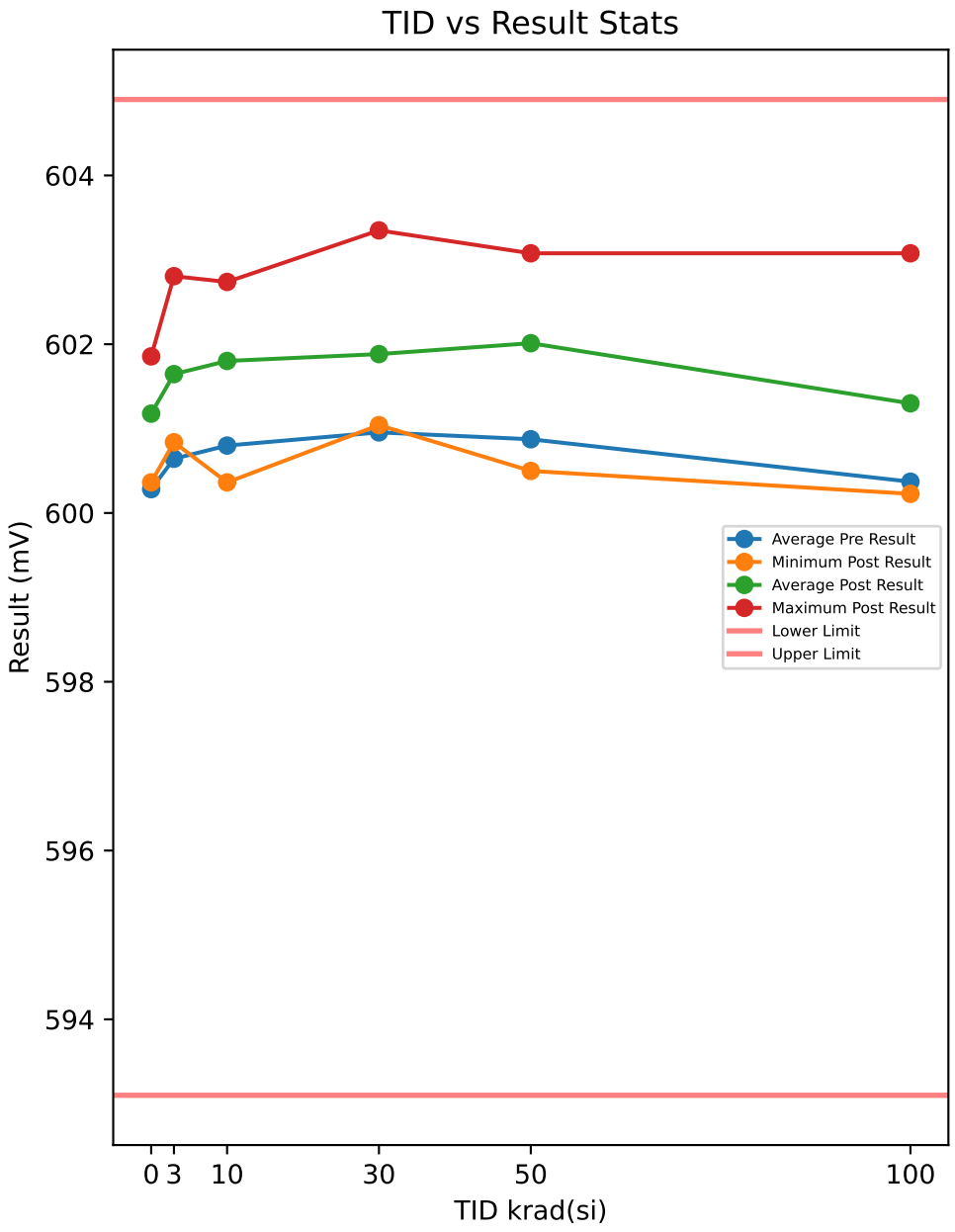
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

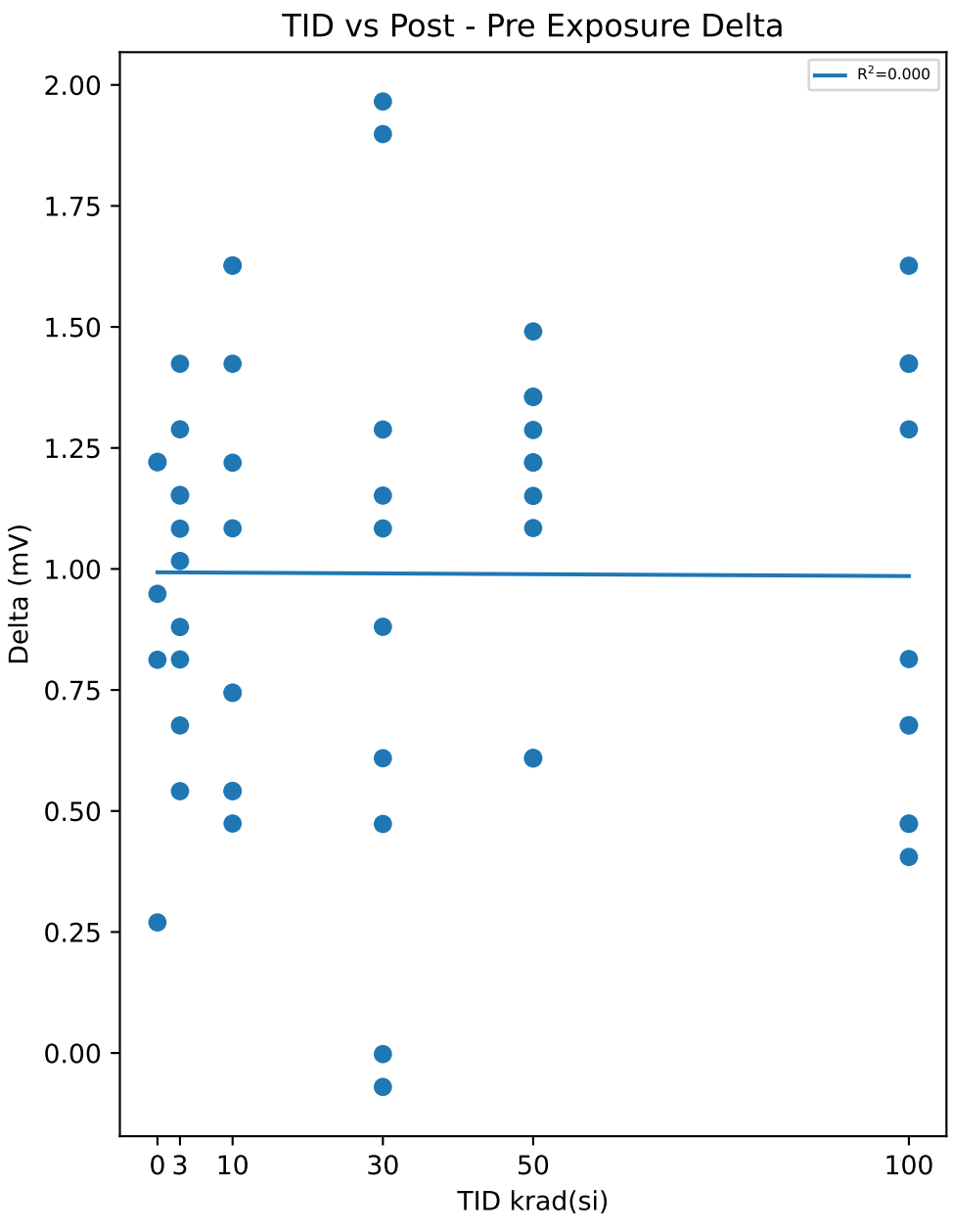
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.36	599.68	-0.6802
2	3	Biased	600.91	599.89	-1.02
3	3	Biased	600.43	599.21	-1.2232
4	3	Biased	600.3	599.21	-1.0873
5	3	Biased	599.62	598.73	-0.883
6	3	Unbiased	599.07	598.39	-0.679
7	3	Unbiased	599.62	599.07	-0.5437
8	3	Unbiased	599.14	598.19	-0.9505
9	3	Unbiased	600.09	598.87	-1.2228
10	3	Unbiased	599.68	599.14	-0.5438
11	10	Biased	600.43	598.94	-1.4946
12	10	Biased	599.96	598.67	-1.2905
13	10	Biased	600.43	599.21	-1.2232
14	10	Biased	599.14	597.99	-1.1541
15	10	Biased	600.77	599.07	-1.6985
16	10	Unbiased	600.09	599.55	-0.5442
17	10	Unbiased	600.57	599.07	-1.4948
18	10	Unbiased	600.23	599.62	-0.6122
19	10	Unbiased	600.5	599.62	-0.8839
20	10	Unbiased	599.35	598.39	-0.9507
21	30	Biased	599.68	598.94	-0.7474
22	30	Biased	600.57	599.68	-0.884
23	30	Biased	600.91	600.09	-0.8164
24	30	Biased	600.64	599.55	-1.0876
25	30	Biased	599.96	599.07	-0.8833
26	30	Unbiased	600.36	599.28	-1.0874
27	30	Unbiased	600.5	598.87	-1.6304
28	30	Unbiased	599.89	599.07	-0.8154
29	30	Unbiased	600.5	599.34	-1.1554
30	30	Unbiased	600.02	599.01	-1.0192
31	50	Biased	599.55	598.46	-1.0866
32	50	Biased	600.64	600.16	-0.4767
33	50	Biased	600.7	599.96	-0.7483
34	50	Biased	601.11	600.23	-0.8844
35	50	Biased	600.5	599.68	-0.816
36	50	Unbiased	600.7	599.75	-0.952
37	50	Unbiased	599.62	598.8	-0.8152
38	50	Unbiased	600.09	599.07	-1.0192
39	50	Unbiased	599.35	598.26	-1.0864
40	50	Unbiased	599.48	598.26	-1.2223
41	100	Biased	599.75	598.53	-1.2224
42	100	Biased	600.43	599.01	-1.4268
43	100	Biased	599.68	599.07	-0.6117
44	100	Biased	599.55	598.06	-1.4939
45	100	Biased	599.01	598.33	-0.6789
46	100	Unbiased	599.35	598.06	-1.2901
47	100	Unbiased	599.96	598.8	-1.1548
48	100	Unbiased	600.91	599.96	-0.9521
49	100	Unbiased	598.94	597.72	-1.2218
50	100	Unbiased	600.02	598.87	-1.1549
51	0	Correlation	600.43	598.94	-1.4946
53	0	Correlation	600.09	599.14	-0.9513
54	0	Correlation	599.89	599.07	-0.8154
55	0	Correlation	598.67	597.99	-0.6786
56	0	Correlation	599.55	599.41	-0.1365

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	598.67	599.73	600.43	0.6735	597.99	598.91	599.41	0.54421	-1.4946	-0.81528	-0.1365	0.48975
3	599.07	599.92	600.91	0.59329	598.19	599.04	599.89	0.52302	-1.2232	-0.88335	-0.5437	0.26017
10	599.14	600.15	600.77	0.53278	597.99	599.01	599.62	0.53957	-1.6985	-1.1347	-0.5442	0.38413
30	599.68	600.3	600.91	0.39148	598.87	599.29	600.09	0.3863	-1.6304	-1.0126	-0.7474	0.25697
50	599.35	600.17	601.11	0.63546	598.26	599.26	600.23	0.78419	-1.2223	-0.91071	-0.4767	0.21237
100	598.94	599.76	600.91	0.60966	597.72	598.64	599.96	0.648	-1.4939	-1.1207	-0.6117	0.29198

Device Test: 13.16; VTH_SENSE





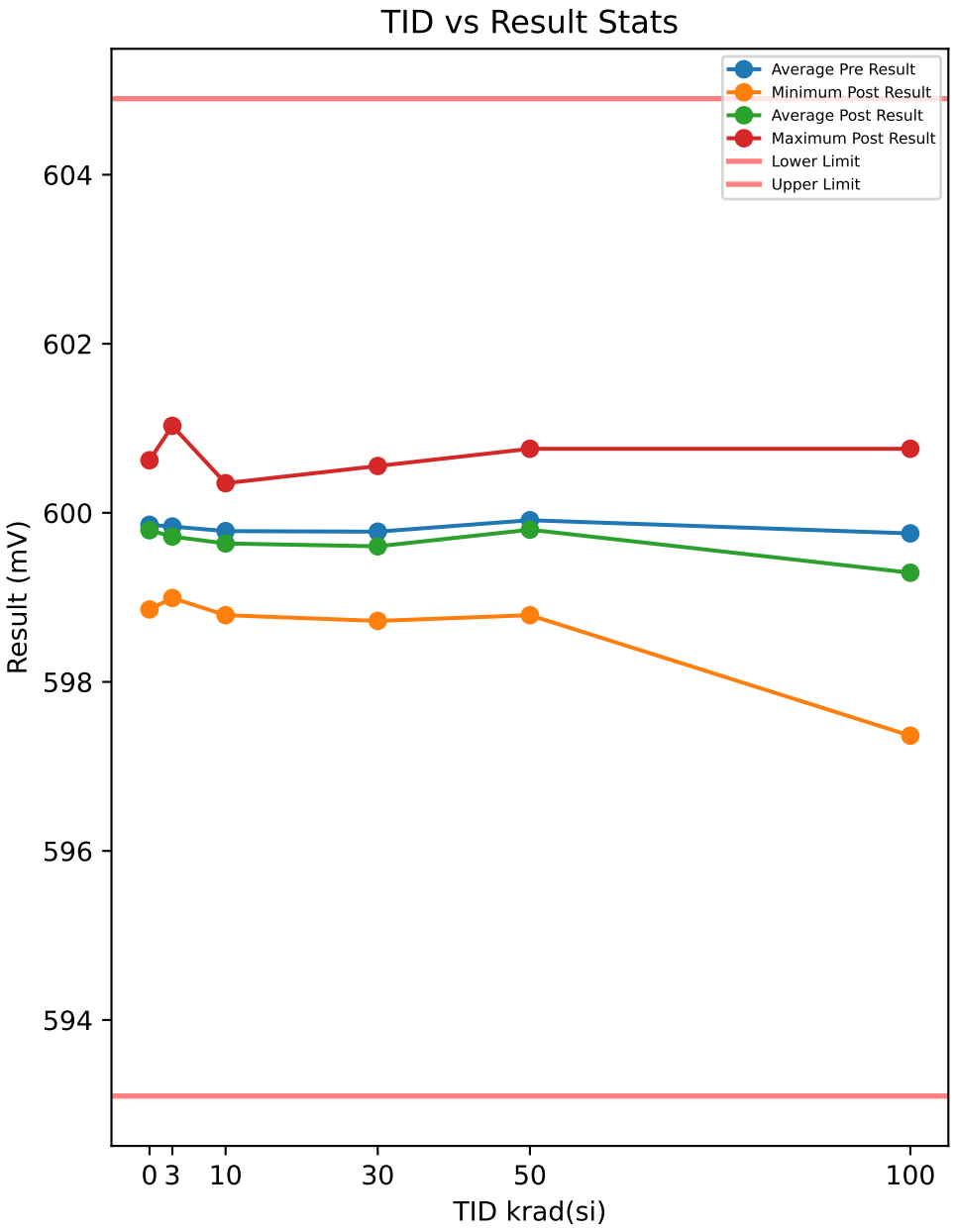
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	601.04	602.2	1.1517
2	3	Biased	601.72	602.81	1.0832
3	3	Biased	601.11	601.99	0.8801
4	3	Biased	601.04	601.72	0.6767
5	3	Biased	600.3	601.72	1.4239
6	3	Unbiased	599.82	601.11	1.2885
7	3	Unbiased	600.3	601.11	0.813
8	3	Unbiased	599.68	600.84	1.1529
9	3	Unbiased	601.04	601.58	0.5409
10	3	Unbiased	600.36	601.38	1.0165
11	10	Biased	600.98	602.06	1.0839
12	10	Biased	600.64	601.18	0.5413
13	10	Biased	601.11	602.74	1.6266
14	10	Biased	599.89	600.36	0.4741
15	10	Biased	601.45	602.2	0.7441
16	10	Unbiased	600.77	601.31	0.5411
17	10	Unbiased	601.11	602.33	1.2195
18	10	Unbiased	600.84	602.47	1.627
19	10	Unbiased	601.11	601.86	0.7444
20	10	Unbiased	600.09	601.52	1.424
21	30	Biased	600.3	601.58	1.2881
22	30	Biased	601.25	602.33	1.0837
23	30	Biased	601.38	603.35	1.9658
24	30	Biased	601.18	602.33	1.1516
25	30	Biased	600.77	601.25	0.4732
26	30	Unbiased	601.18	601.18	-0.0022
27	30	Unbiased	601.11	601.04	-0.0701
28	30	Unbiased	600.7	601.31	0.609
29	30	Unbiased	600.84	602.74	1.8984
30	30	Unbiased	600.84	601.72	0.8805
31	50	Biased	600.23	601.31	1.0845
32	50	Biased	601.38	602.67	1.2871
33	50	Biased	601.38	601.99	0.6084
34	50	Biased	601.93	603.08	1.1509
35	50	Biased	601.11	602.47	1.3552
36	50	Unbiased	601.45	602.94	1.4907
37	50	Unbiased	600.36	601.72	1.3559
38	50	Unbiased	600.7	601.92	1.2199
39	50	Unbiased	599.89	600.5	0.6098
40	50	Unbiased	600.3	601.52	1.2202
41	100	Biased	600.36	601.04	0.6771
42	100	Biased	601.18	601.58	0.405
43	100	Biased	600.3	601.72	1.4239
44	100	Biased	600.09	601.38	1.2883
45	100	Biased	599.68	601.11	1.4243
46	100	Unbiased	600.02	600.5	0.4739
47	100	Unbiased	600.7	601.38	0.6769
48	100	Unbiased	601.45	603.08	1.6264
49	100	Unbiased	599.41	600.23	0.8139
50	100	Unbiased	600.5	600.97	0.4735
51	0	Correlation	601.04	601.86	0.8124
53	0	Correlation	600.5	601.45	0.9486
54	0	Correlation	600.64	600.91	0.2698
55	0	Correlation	599.14	600.36	1.2213
56	0	Correlation	600.09	601.31	1.2204

Test Statistics (mV)

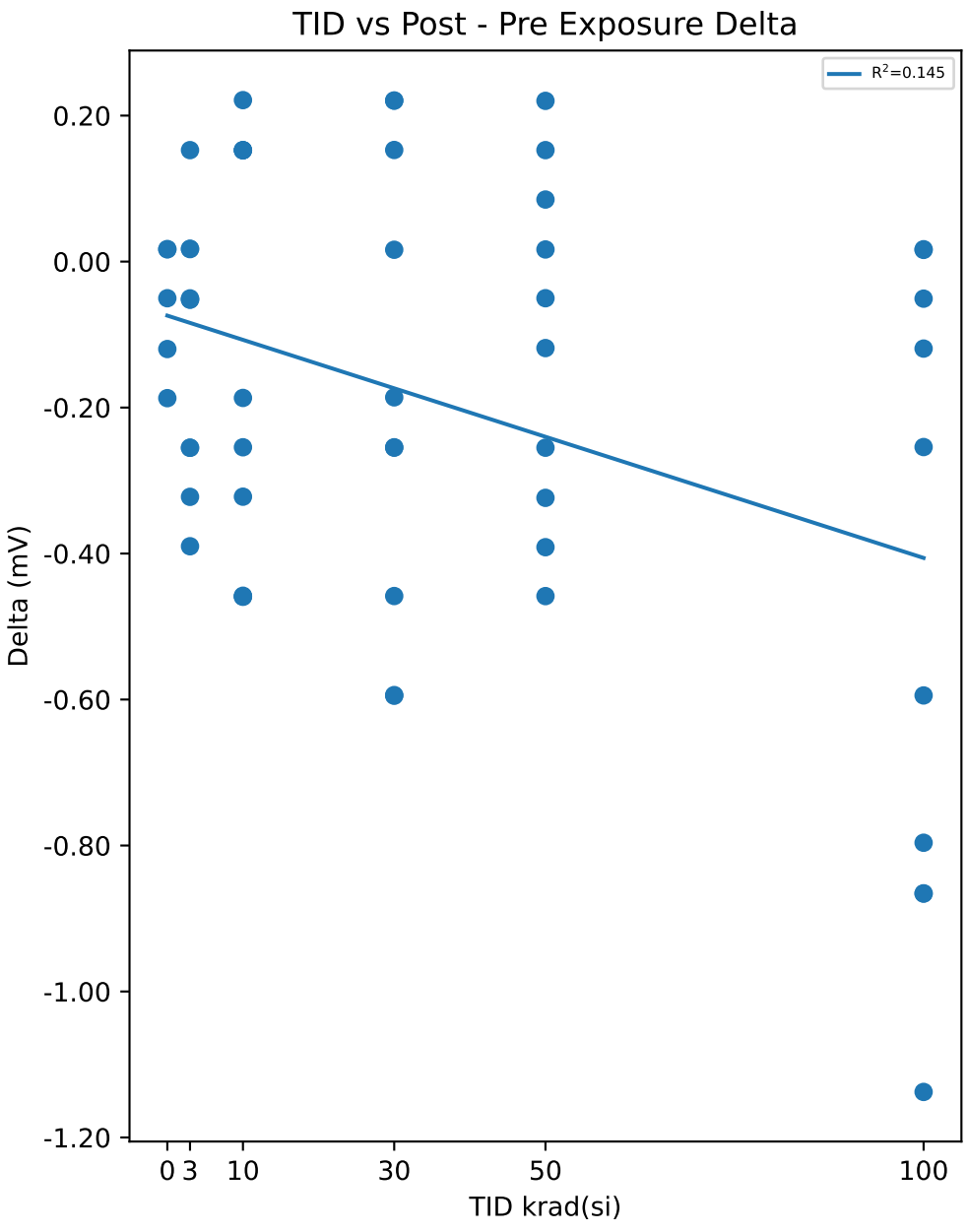
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	599.14	600.28	601.04	0.72273	600.36	601.18	601.86	0.56783	0.2698	0.8945	1.2213	0.39145
3	599.68	600.64	601.72	0.64795	600.84	601.65	602.81	0.58508	0.5409	1.0027	1.4239	0.27509
10	599.89	600.8	601.45	0.48376	600.36	601.8	602.74	0.71524	0.4741	1.0026	1.627	0.45327
30	600.3	600.96	601.38	0.32508	601.04	601.88	603.35	0.76999	-0.0701	0.9278	1.9658	0.6988
50	599.89	600.87	601.93	0.66884	600.5	602.01	603.08	0.79988	0.6084	1.1383	1.4907	0.30134
100	599.41	600.37	601.45	0.62705	600.23	601.3	603.08	0.77698	0.405	0.92832	1.6264	0.4637

Device Test: 13.17; VTH_SENSE



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

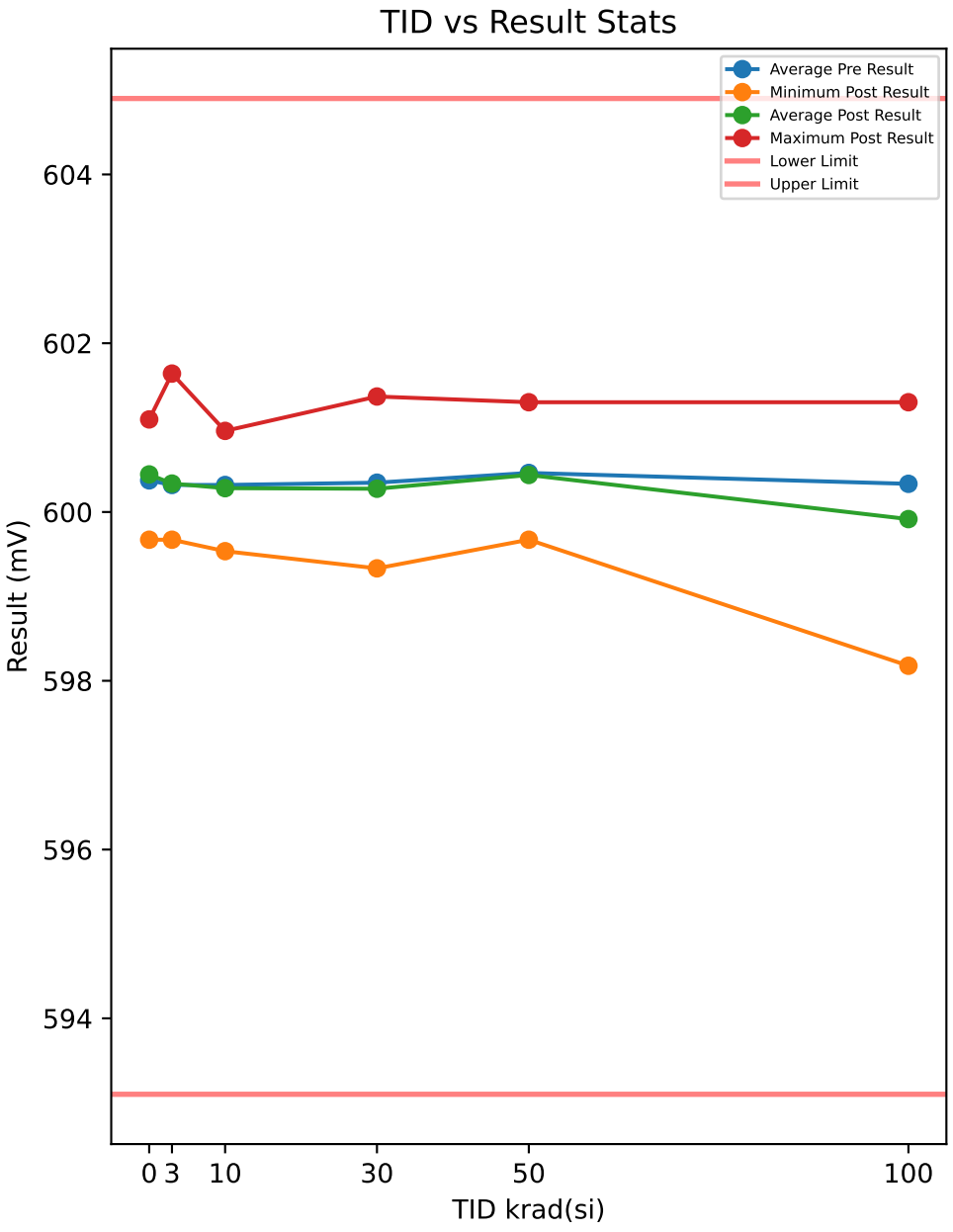
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.33	600.08	-0.2551
2	3	Biased	601.08	601.03	-0.0522
3	3	Biased	600.74	600.69	-0.0519
4	3	Biased	600.13	599.88	-0.255
5	3	Biased	599.52	599.2	-0.3223
6	3	Unbiased	599.52	599.54	0.0171
7	3	Unbiased	599.11	599.06	-0.0504
8	3	Unbiased	599.59	599.74	0.1527
9	3	Unbiased	598.98	598.99	0.0176
10	3	Unbiased	599.38	598.99	-0.39
11	10	Biased	599.79	599.6	-0.1868
12	10	Biased	599.31	598.99	-0.3221
13	10	Biased	599.86	600.01	0.1526
14	10	Biased	599.25	598.79	-0.4578
15	10	Biased	600.81	600.35	-0.4592
16	10	Unbiased	599.52	599.26	-0.2544
17	10	Unbiased	599.86	600.01	0.1526
18	10	Unbiased	599.93	600.08	0.1525
19	10	Unbiased	600.54	600.08	-0.4589
20	10	Unbiased	598.98	599.2	0.2212
21	30	Biased	599.45	599.2	-0.2544
22	30	Biased	600.54	600.55	0.0162
23	30	Biased	599.65	599.88	0.2206
24	30	Biased	600.13	599.88	-0.255
25	30	Biased	599.65	599.2	-0.4582
26	30	Unbiased	600.61	600.01	-0.5948
27	30	Unbiased	599.59	598.99	-0.5939
28	30	Unbiased	598.91	598.72	-0.186
29	30	Unbiased	599.72	599.94	0.2206
30	30	Unbiased	599.52	599.67	0.1529
31	50	Biased	599.79	599.33	-0.4583
32	50	Biased	600.2	599.94	-0.255
33	50	Biased	600.74	600.35	-0.3913
34	50	Biased	601.08	600.76	-0.3237
35	50	Biased	599.59	599.74	0.1527
36	50	Unbiased	600.06	600.28	0.2202
37	50	Unbiased	599.45	599.54	0.085
38	50	Unbiased	600.06	600.08	0.0166
39	50	Unbiased	598.84	598.79	-0.0502
40	50	Unbiased	599.31	599.2	-0.1185
41	100	Biased	600.33	599.2	-1.1376
42	100	Biased	599.72	598.86	-0.8655
43	100	Biased	600.13	599.54	-0.5944
44	100	Biased	600.06	599.2	-0.8659
45	100	Biased	599.11	598.86	-0.2541
46	100	Unbiased	600.06	599.94	-0.1192
47	100	Unbiased	599.52	599.47	-0.0508
48	100	Unbiased	600.74	600.76	0.016
49	100	Unbiased	599.72	599.74	0.0169
50	100	Unbiased	598.16	597.36	-0.7962
51	0	Correlation	600.74	600.62	-0.1198
53	0	Correlation	600.27	600.08	-0.1871
54	0	Correlation	599.52	599.54	0.0171
55	0	Correlation	598.91	598.86	-0.0502
56	0	Correlation	599.86	599.88	0.0168

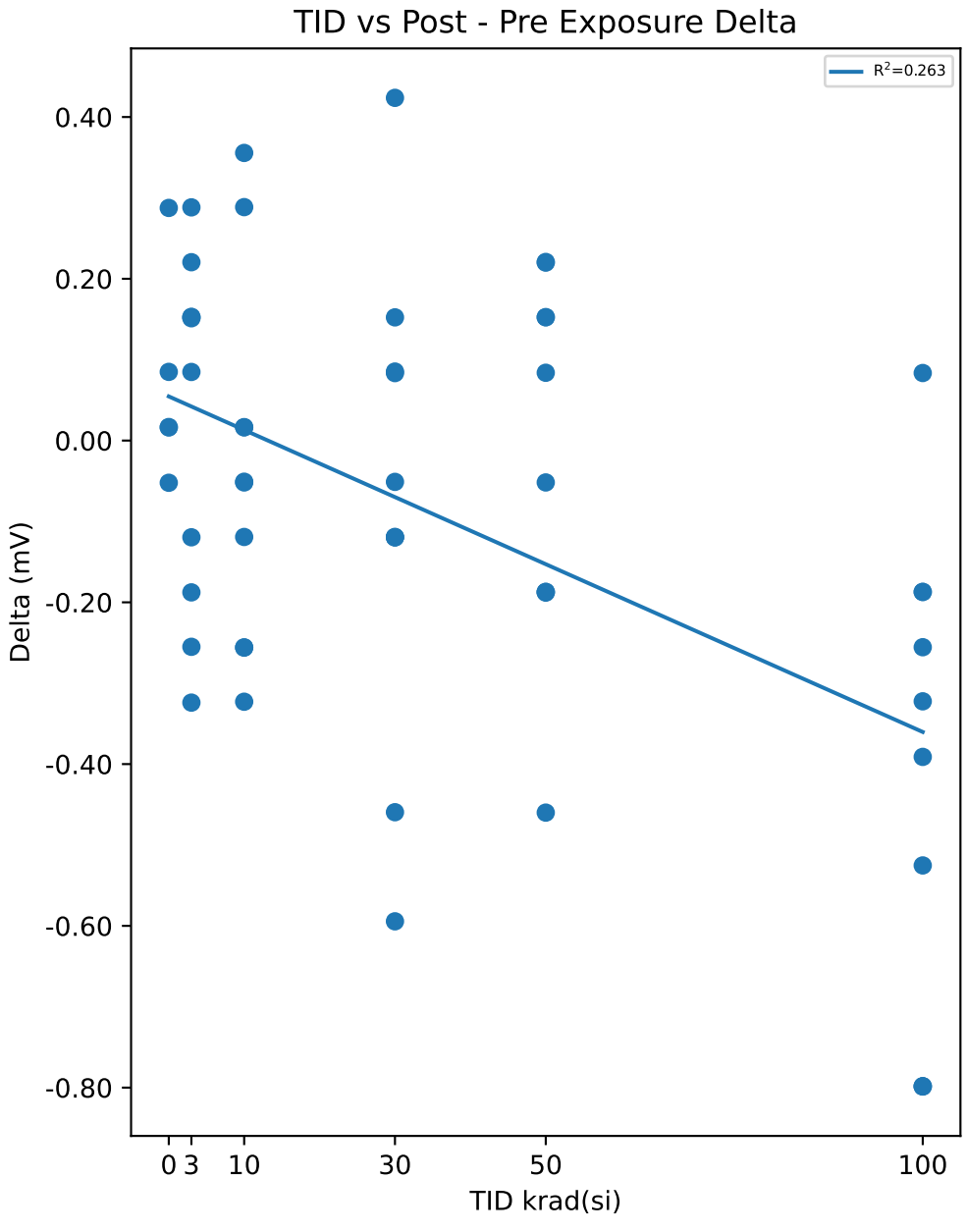


Test Statistics (mV)

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	598.91	599.86	600.74	0.70117	598.86	599.79	600.62	0.65533	-0.1871	-0.06464	0.0171	0.088828
3	598.98	599.84	601.08	0.70247	598.99	599.72	601.03	0.71556	-0.39	-0.11895	0.1527	0.17527
10	598.98	599.78	600.81	0.56613	598.79	599.64	600.35	0.54235	-0.4592	-0.14603	0.2212	0.28673
30	598.91	599.78	600.61	0.51525	598.72	599.6	600.55	0.55976	-0.5948	-0.1732	0.2206	0.31654
50	598.84	599.91	601.08	0.66862	598.79	599.8	600.76	0.59905	-0.4583	-0.11225	0.2202	0.23637
100	598.16	599.76	600.74	0.71923	597.36	599.29	600.76	0.88054	-1.1376	-0.46508	0.0169	0.43451

Device Test: 13.18; VTH_SENSE





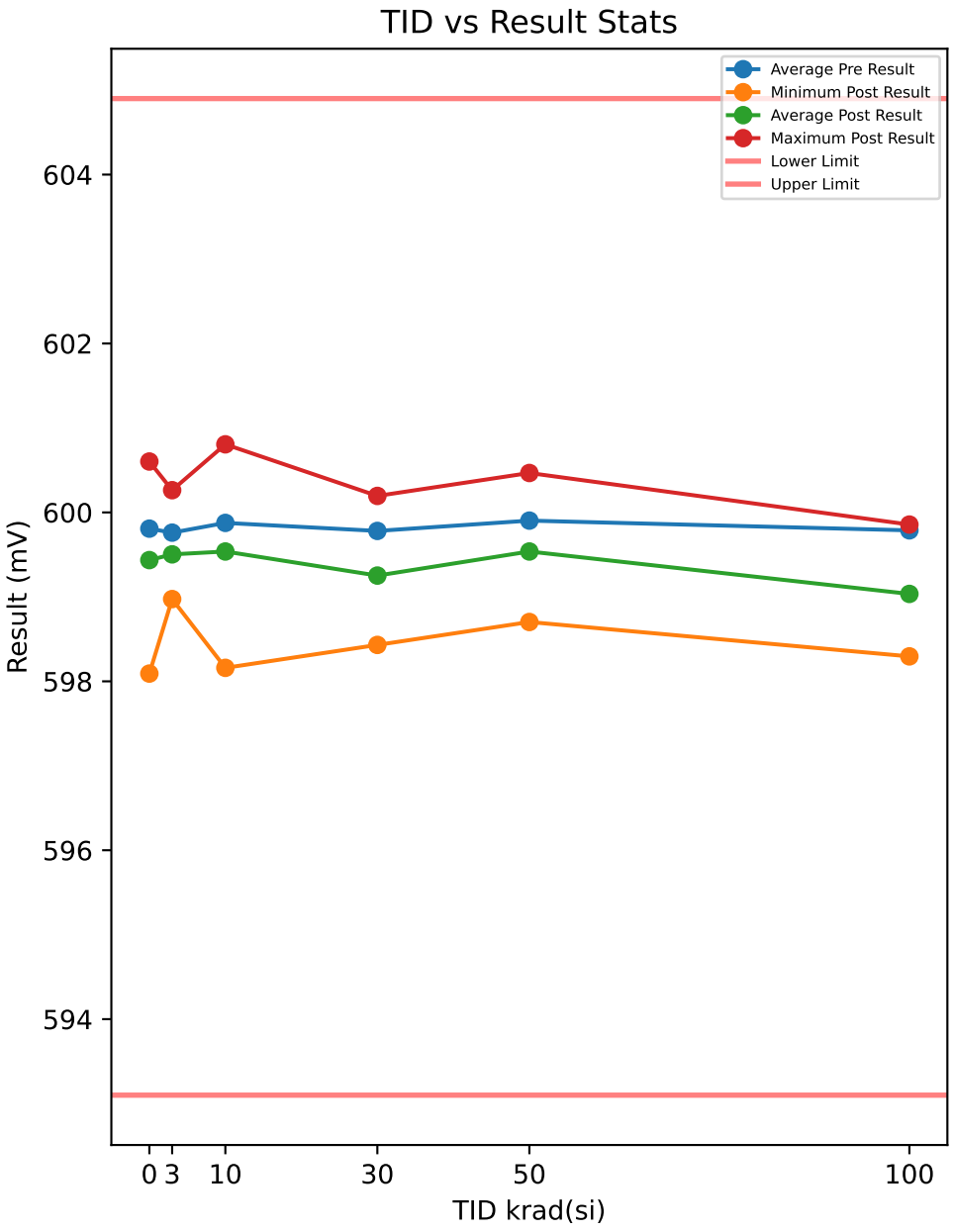
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

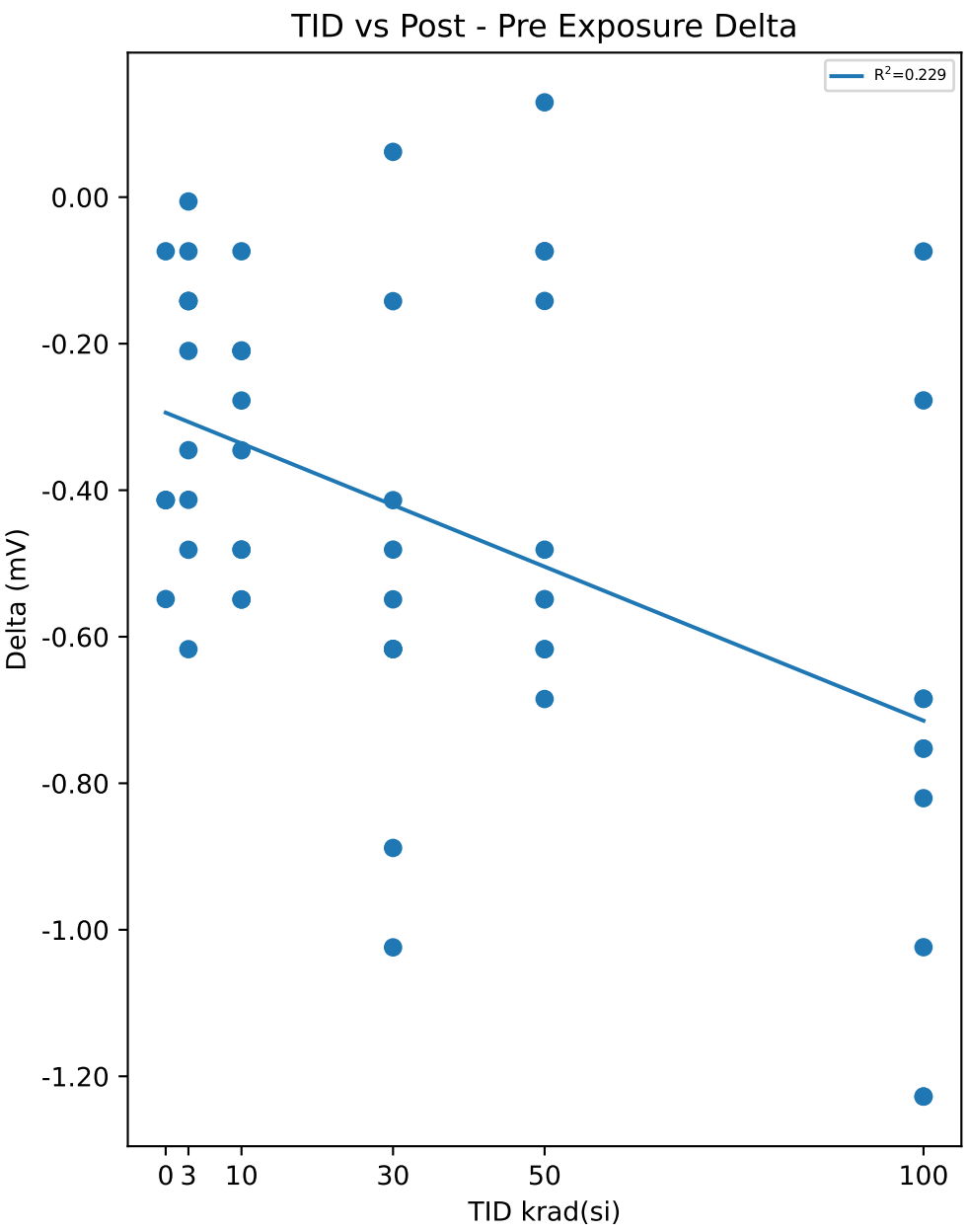
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.81	600.62	-0.1877
2	3	Biased	601.49	601.64	0.1512
3	3	Biased	601.49	601.16	-0.324
4	3	Biased	600.61	600.49	-0.1196
5	3	Biased	599.79	600.01	0.2205
6	3	Unbiased	599.86	600.01	0.1526
7	3	Unbiased	599.52	599.67	0.1529
8	3	Unbiased	599.93	600.21	0.2883
9	3	Unbiased	599.65	599.74	0.0848
10	3	Unbiased	600.06	599.81	-0.255
11	10	Biased	600.13	600.01	-0.1192
12	10	Biased	600.06	599.74	-0.3229
13	10	Biased	600.67	600.62	-0.0518
14	10	Biased	599.59	599.54	-0.0509
15	10	Biased	601.22	600.96	-0.256
16	10	Unbiased	600.06	600.08	0.0166
17	10	Unbiased	600.47	600.49	0.0163
18	10	Unbiased	600.47	600.83	0.3556
19	10	Unbiased	601.01	600.76	-0.2557
20	10	Unbiased	599.52	599.81	0.2886
21	30	Biased	599.79	599.74	-0.0511
22	30	Biased	601.29	601.37	0.0834
23	30	Biased	600.33	600.76	0.4237
24	30	Biased	600.81	600.69	-0.1198
25	30	Biased	600.06	599.94	-0.1192
26	30	Unbiased	601.15	600.69	-0.4595
27	30	Unbiased	600.2	599.6	-0.5944
28	30	Unbiased	599.25	599.33	0.0853
29	30	Unbiased	600.2	600.35	0.1523
30	30	Unbiased	600.4	600.28	-0.1194
31	50	Biased	600.4	600.21	-0.1872
32	50	Biased	600.67	600.62	-0.0518
33	50	Biased	601.08	600.89	-0.188
34	50	Biased	601.76	601.3	-0.46
35	50	Biased	600.2	600.01	-0.1871
36	50	Unbiased	600.81	600.89	0.0838
37	50	Unbiased	599.93	600.08	0.1525
38	50	Unbiased	600.4	600.62	0.22
39	50	Unbiased	599.45	599.67	0.2208
40	50	Unbiased	599.93	600.08	0.1525
41	100	Biased	600.81	600.01	-0.7986
42	100	Biased	600.4	599.6	-0.7982
43	100	Biased	600.61	600.21	-0.3911
44	100	Biased	600.54	599.74	-0.7984
45	100	Biased	599.65	599.33	-0.3224
46	100	Unbiased	600.74	600.49	-0.2555
47	100	Unbiased	600.27	600.08	-0.1871
48	100	Unbiased	601.22	601.3	0.0835
49	100	Unbiased	600.4	600.21	-0.1872
50	100	Unbiased	598.7	598.18	-0.5253
51	0	Correlation	601.15	601.1	-0.0522
53	0	Correlation	600.61	600.89	0.2876
54	0	Correlation	599.99	600.01	0.0167
55	0	Correlation	599.59	599.67	0.0849
56	0	Correlation	600.54	600.55	0.0162

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	599.59	600.37	601.15	0.60118	599.67	600.45	601.1	0.5968	-0.0522	0.07064	0.2876	0.13061
3	599.52	600.32	601.49	0.7344	599.67	600.34	601.64	0.64939	-0.324	0.0164	0.2883	0.21738
10	599.52	600.32	601.22	0.55824	599.54	600.28	600.96	0.50899	-0.3229	-0.03794	0.3556	0.22374
30	599.25	600.35	601.29	0.61341	599.33	600.28	601.37	0.62498	-0.5944	-0.07187	0.4237	0.29348
50	599.45	600.46	601.76	0.65906	599.67	600.44	601.3	0.506	-0.46	-0.02445	0.2208	0.22715
100	598.7	600.33	601.22	0.70098	598.18	599.92	601.3	0.81286	-0.7986	-0.41803	0.0835	0.3055

Device Test: 13.19; VTH_SENSE





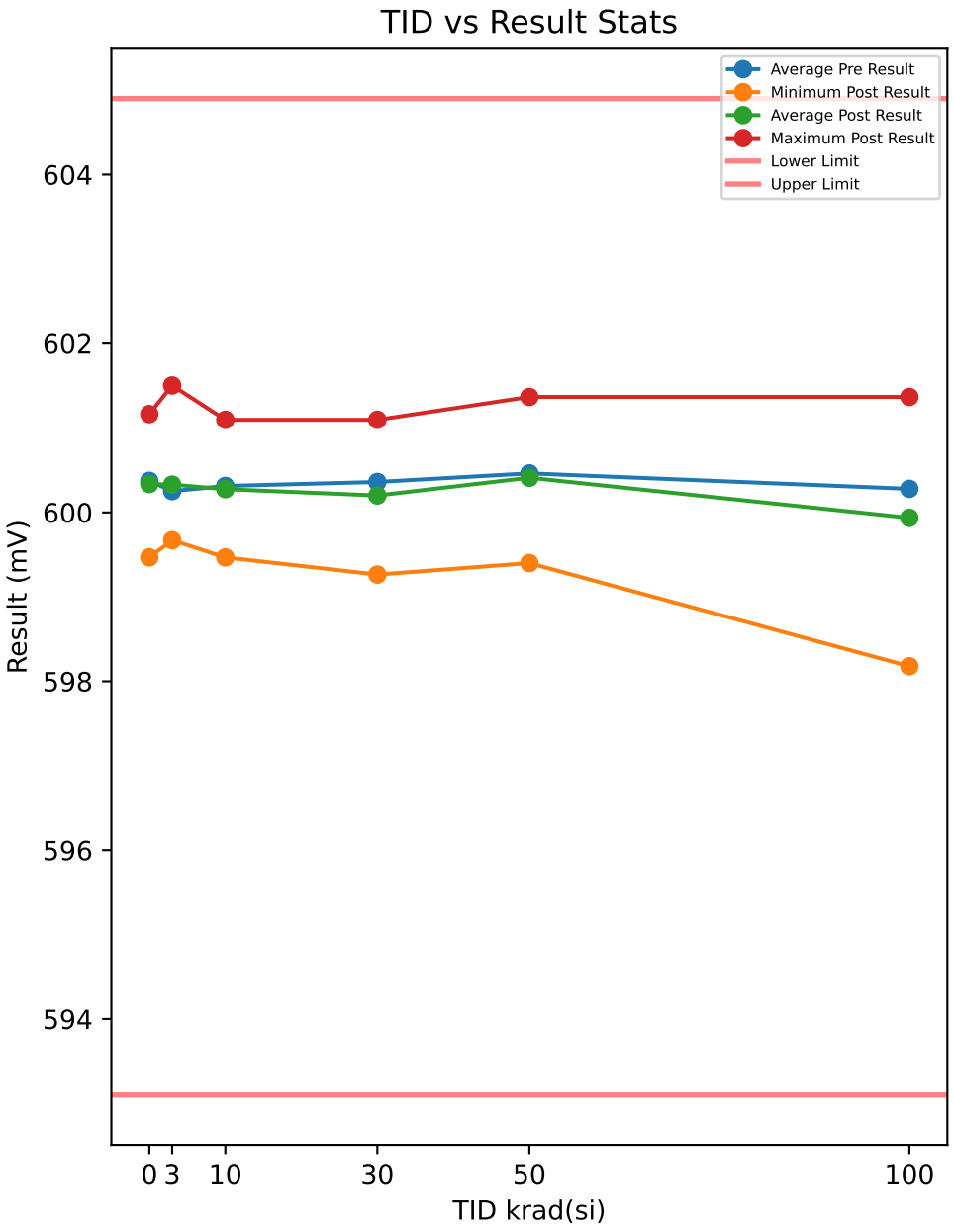
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

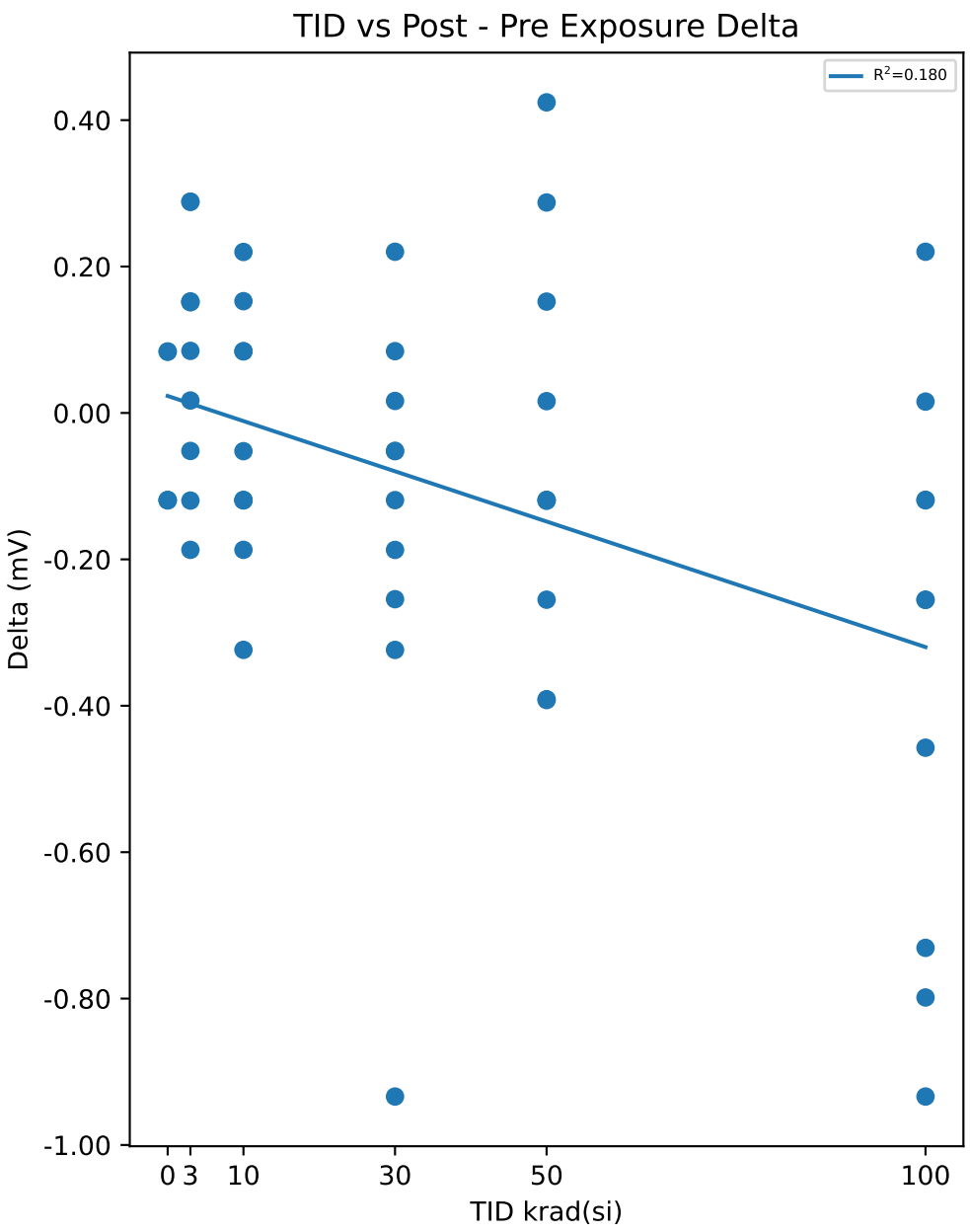
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.47	599.99	-0.4813
2	3	Biased	599.59	599.52	-0.0739
3	3	Biased	600.47	600.26	-0.2099
4	3	Biased	599.79	599.45	-0.3454
5	3	Biased	599.52	599.38	-0.1418
6	3	Unbiased	599.59	599.45	-0.1418
7	3	Unbiased	599.05	599.04	-0.0059
8	3	Unbiased	599.52	599.38	-0.1418
9	3	Unbiased	599.39	598.97	-0.4131
10	3	Unbiased	600.2	599.58	-0.617
11	10	Biased	600.74	600.2	-0.5493
12	10	Biased	599.25	598.77	-0.481
13	10	Biased	599.52	599.45	-0.0739
14	10	Biased	599.86	599.31	-0.549
15	10	Biased	600.2	599.99	-0.2098
16	10	Unbiased	599.73	599.45	-0.2776
17	10	Unbiased	600.34	599.99	-0.3455
18	10	Unbiased	601.02	600.81	-0.2102
19	10	Unbiased	599.73	599.25	-0.4812
20	10	Unbiased	598.37	598.16	-0.2092
21	30	Biased	599.79	599.31	-0.4811
22	30	Biased	600.61	600.2	-0.4136
23	30	Biased	600.27	600.13	-0.142
24	30	Biased	599.79	599.18	-0.6169
25	30	Biased	600.07	599.45	-0.6169
26	30	Unbiased	599.73	598.84	-0.8883
27	30	Unbiased	599.59	598.57	-1.024
28	30	Unbiased	599.59	599.04	-0.549
29	30	Unbiased	599.32	599.38	0.0618
30	30	Unbiased	599.05	598.43	-0.6166
31	50	Biased	599.79	599.18	-0.6169
32	50	Biased	600.07	599.52	-0.549
33	50	Biased	600.74	600.06	-0.685
34	50	Biased	600.54	599.92	-0.6171
35	50	Biased	600.07	599.58	-0.4812
36	50	Unbiased	600.34	600.47	0.1294
37	50	Unbiased	598.78	598.7	-0.0737
38	50	Unbiased	599.79	599.72	-0.074
39	50	Unbiased	599.46	599.31	-0.1417
40	50	Unbiased	599.46	598.91	-0.5488
41	100	Biased	600.07	598.84	-1.2276
42	100	Biased	600.07	598.84	-1.2276
43	100	Biased	600.2	599.45	-0.7527
44	100	Biased	599.32	598.3	-1.0238
45	100	Biased	599.18	598.5	-0.6845
46	100	Unbiased	599.66	598.84	-0.8204
47	100	Unbiased	600.27	599.58	-0.6849
48	100	Unbiased	599.93	599.86	-0.0741
49	100	Unbiased	599.25	598.97	-0.2774
50	100	Unbiased	599.93	599.18	-0.7527
51	0	Correlation	600.13	599.72	-0.4134
53	0	Correlation	601.02	600.6	-0.4137
54	0	Correlation	599.32	599.25	-0.0739
55	0	Correlation	598.64	598.09	-0.5486
56	0	Correlation	599.93	599.52	-0.4133

Test Statistics (mV)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	598.64	599.81	601.02	0.89207	598.09	599.44	600.6	0.90714	-0.5486	-0.37258	-0.0739	0.17692
3	599.05	599.76	600.47	0.47489	598.97	599.5	600.26	0.38759	-0.617	-0.25719	-0.0059	0.1974
10	598.37	599.88	601.02	0.76047	598.16	599.54	600.81	0.75227	-0.5493	-0.33867	-0.0739	0.16764
30	599.05	599.78	600.61	0.45118	598.43	599.25	600.2	0.58501	-1.024	-0.52866	0.0618	0.31834
50	598.78	599.9	600.74	0.58234	598.7	599.54	600.47	0.53722	-0.685	-0.3658	0.1294	0.29333
100	599.18	599.79	600.27	0.40658	598.3	599.04	599.86	0.48557	-1.2276	-0.75257	-0.0741	0.3689

Device Test: 13.2; VTH_SENSE





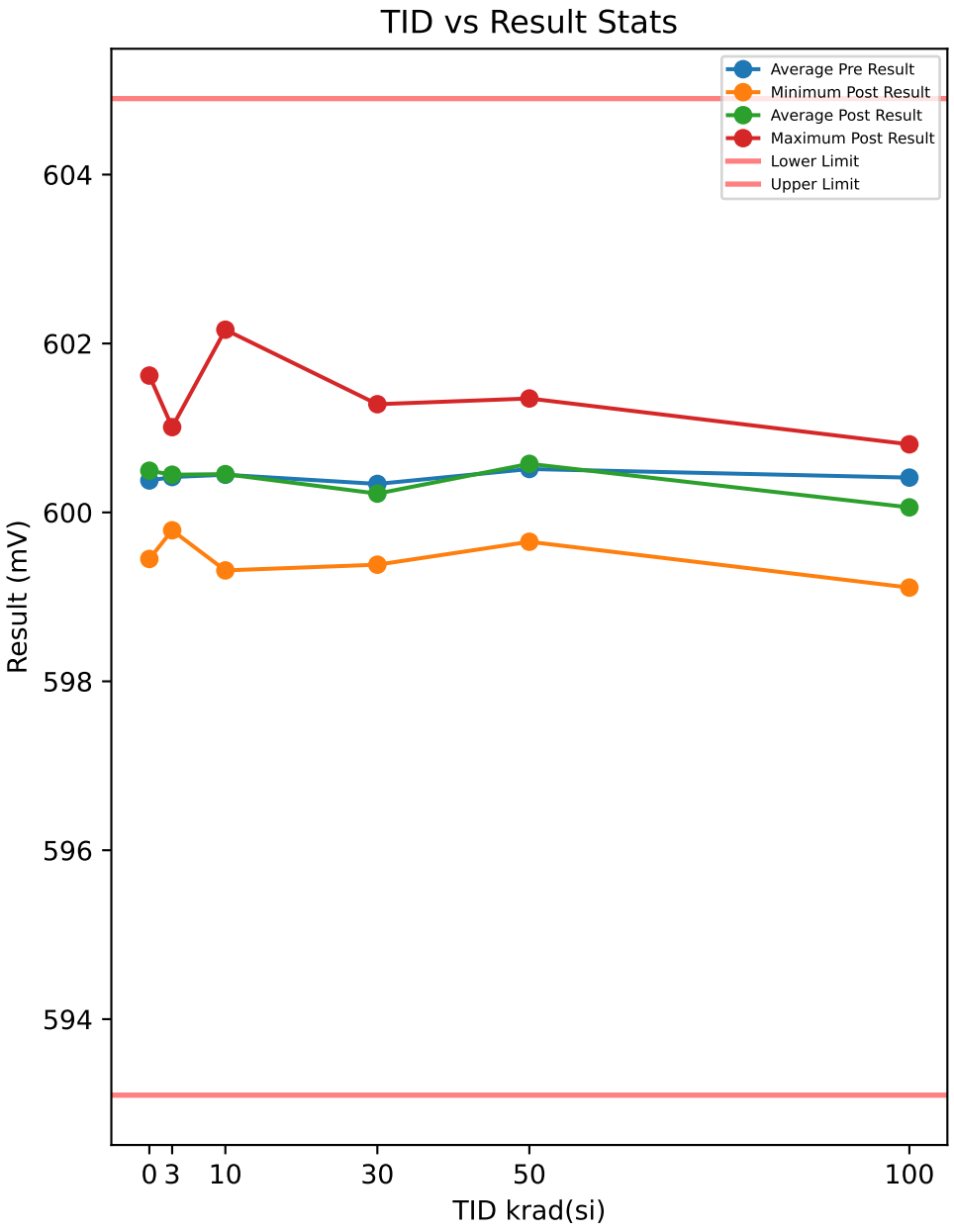
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

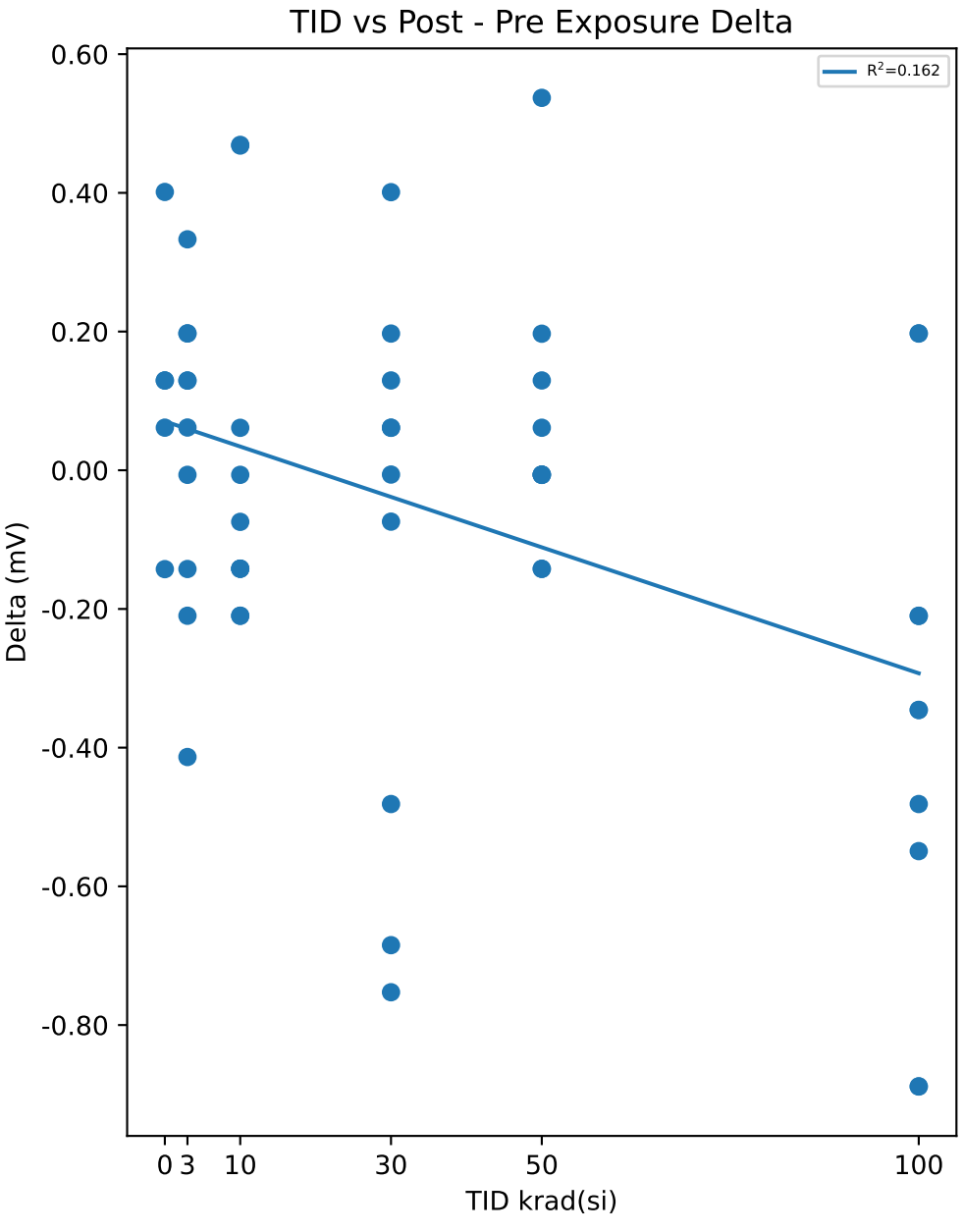
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.74	600.69	-0.0519
2	3	Biased	601.35	601.5	0.1513
3	3	Biased	601.08	601.23	0.1515
4	3	Biased	600.67	600.55	-0.1197
5	3	Biased	599.99	599.81	-0.187
6	3	Unbiased	599.79	600.08	0.2884
7	3	Unbiased	599.52	599.81	0.2886
8	3	Unbiased	600.06	600.21	0.1524
9	3	Unbiased	599.65	599.74	0.0848
10	3	Unbiased	599.65	599.67	0.017
11	10	Biased	600.27	600.35	0.0844
12	10	Biased	599.93	599.74	-0.187
13	10	Biased	600.54	600.62	0.0841
14	10	Biased	599.59	599.47	-0.1188
15	10	Biased	601.15	601.1	-0.0522
16	10	Unbiased	600.13	600.01	-0.1192
17	10	Unbiased	600.47	600.35	-0.1195
18	10	Unbiased	600.47	600.69	0.2199
19	10	Unbiased	600.95	600.62	-0.3236
20	10	Unbiased	599.65	599.81	0.1527
21	30	Biased	599.99	599.88	-0.1191
22	30	Biased	601.15	601.1	-0.0522
23	30	Biased	600.27	600.49	0.2202
24	30	Biased	600.61	600.55	-0.0518
25	30	Biased	600.13	599.94	-0.1871
26	30	Unbiased	601.08	600.76	-0.3237
27	30	Unbiased	600.27	599.33	-0.9338
28	30	Unbiased	599.52	599.26	-0.2544
29	30	Unbiased	600.33	600.35	0.0164
30	30	Unbiased	600.27	600.35	0.0844
31	50	Biased	600.47	600.08	-0.391
32	50	Biased	600.61	600.62	0.0161
33	50	Biased	601.01	600.89	-0.12
34	50	Biased	601.76	601.37	-0.3922
35	50	Biased	600.33	600.08	-0.2551
36	50	Unbiased	600.81	601.1	0.2875
37	50	Unbiased	599.72	600.15	0.4243
38	50	Unbiased	600.4	600.55	0.1521
39	50	Unbiased	599.52	599.4	-0.1187
40	50	Unbiased	599.99	599.88	-0.1191
41	100	Biased	600.81	600.08	-0.7307
42	100	Biased	600.27	599.33	-0.9338
43	100	Biased	600.4	600.28	-0.1194
44	100	Biased	600.67	599.88	-0.7985
45	100	Biased	599.45	599.33	-0.1186
46	100	Unbiased	600.67	600.42	-0.2554
47	100	Unbiased	600.13	600.35	0.2202
48	100	Unbiased	601.35	601.37	0.0155
49	100	Unbiased	600.4	600.15	-0.2551
50	100	Unbiased	598.64	598.18	-0.4573
51	0	Correlation	601.08	601.16	0.0836
53	0	Correlation	600.67	600.76	0.084
54	0	Correlation	600.06	599.94	-0.1192
55	0	Correlation	599.59	599.47	-0.1188
56	0	Correlation	600.47	600.35	-0.1195

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	599.59	600.37	601.08	0.57368	599.47	600.34	601.16	0.66582	-0.1195	-0.03798	0.084	0.11117
3	599.52	600.25	601.35	0.657	599.67	600.33	601.5	0.648	-0.187	0.07754	0.2886	0.16155
10	599.59	600.31	601.15	0.51048	599.47	600.28	601.1	0.50845	-0.3236	-0.03792	0.2199	0.16882
30	599.52	600.36	601.15	0.48595	599.26	600.2	601.1	0.59333	-0.9338	-0.16011	0.2202	0.31546
50	599.52	600.46	601.76	0.65046	599.4	600.41	601.37	0.60415	-0.3922	-0.05161	0.4243	0.27364
100	598.64	600.28	601.35	0.75914	598.18	599.94	601.37	0.84752	-0.9338	-0.34331	0.2202	0.37733

Device Test: 13.20; VTH_SENSE





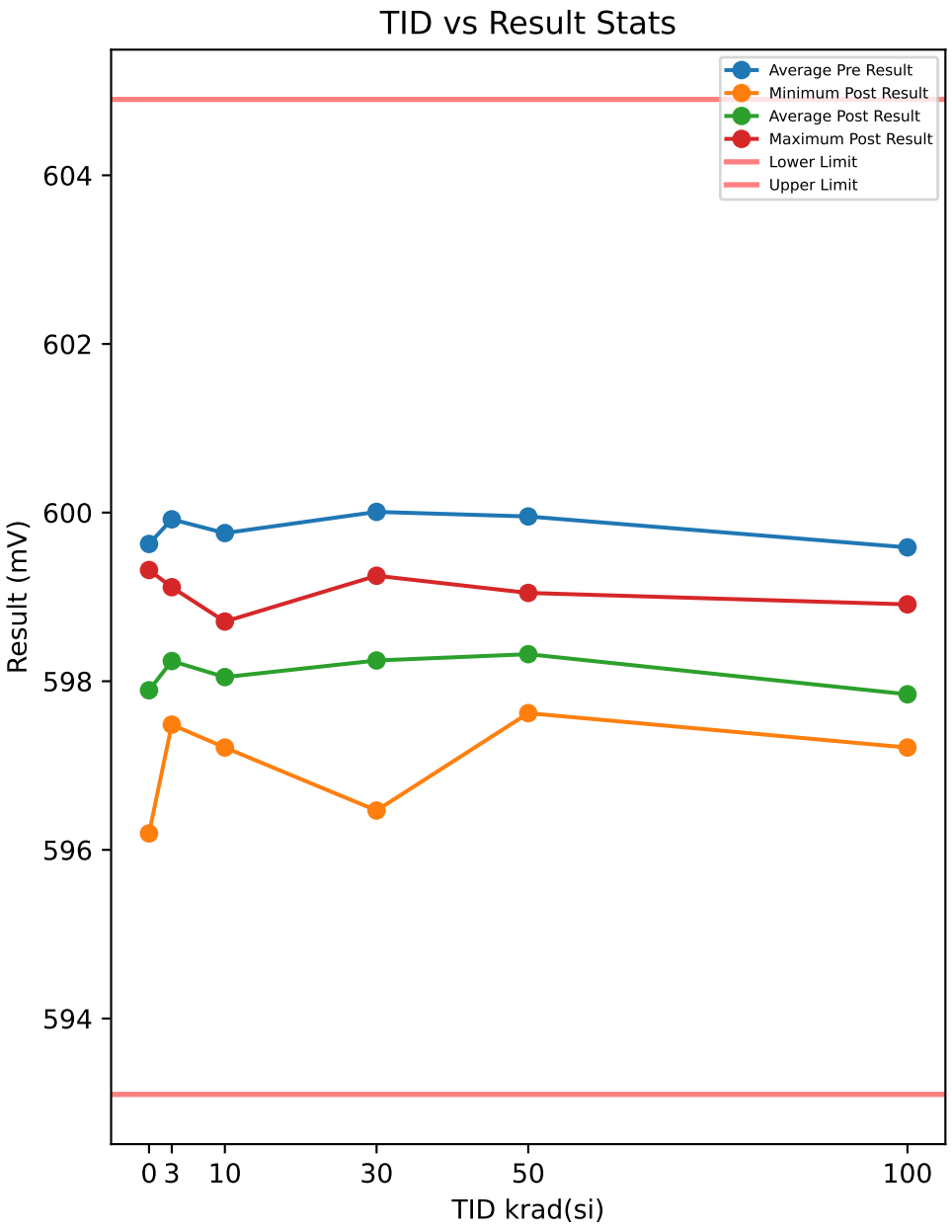
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

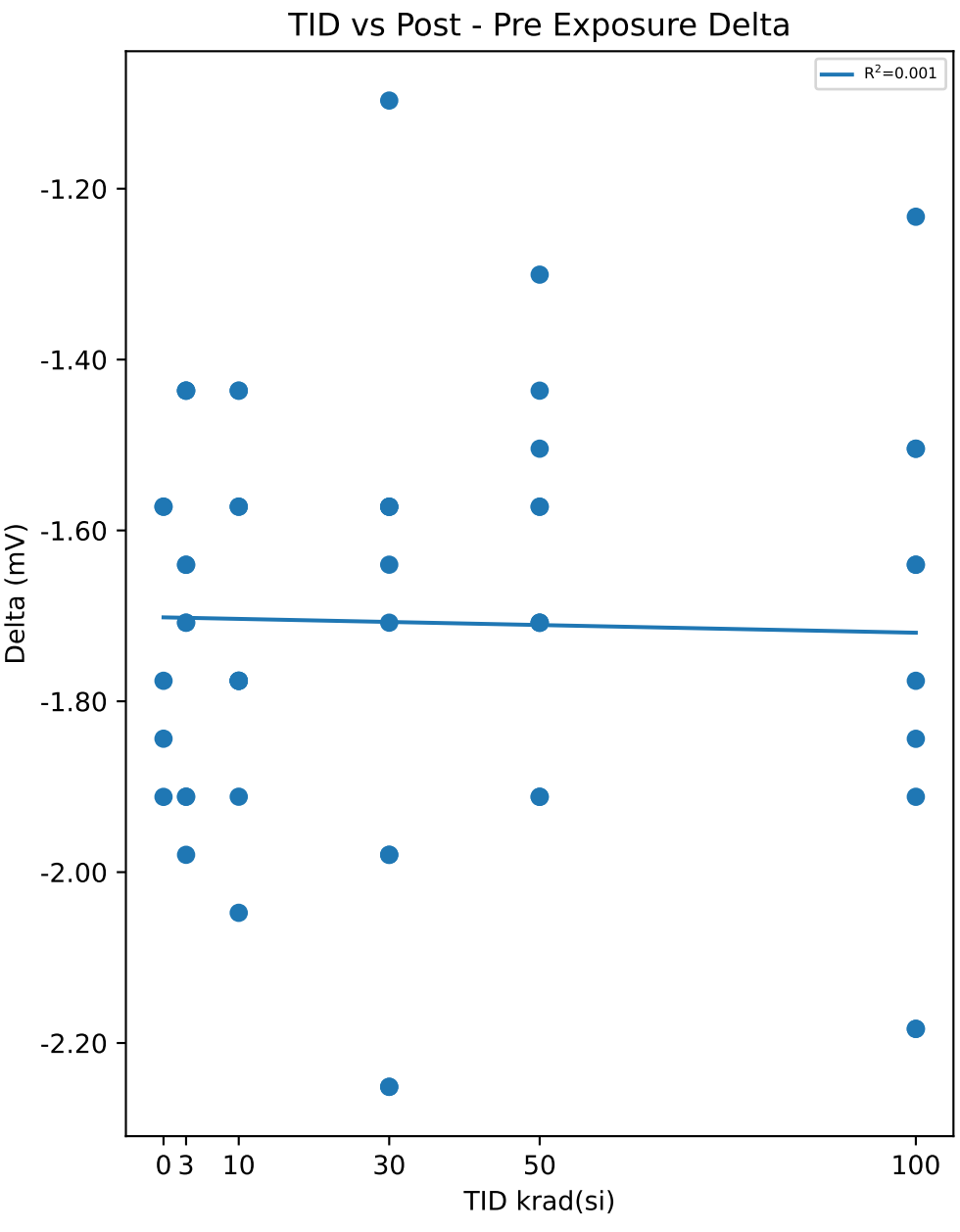
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	601.08	600.94	-0.1424
2	3	Biased	600.34	600.53	0.1973
3	3	Biased	601.02	601.01	-0.0066
4	3	Biased	600.34	600.67	0.333
5	3	Biased	600.13	599.92	-0.2098
6	3	Unbiased	600.13	600.33	0.1973
7	3	Unbiased	600	600.06	0.0616
8	3	Unbiased	600.2	600.33	0.1294
9	3	Unbiased	600.2	599.79	-0.4135
10	3	Unbiased	600.74	600.87	0.1293
11	10	Biased	601.15	601.21	0.0612
12	10	Biased	599.73	599.58	-0.1419
13	10	Biased	600.34	600.13	-0.2098
14	10	Biased	600.34	600.2	-0.142
15	10	Biased	601.02	601.01	-0.0066
16	10	Unbiased	600.2	599.99	-0.2098
17	10	Unbiased	600.88	600.81	-0.0744
18	10	Unbiased	601.7	602.16	0.4682
19	10	Unbiased	600.27	600.13	-0.142
20	10	Unbiased	598.84	599.31	0.4692
21	30	Biased	600.13	600.26	0.1295
22	30	Biased	601.22	601.28	0.0612
23	30	Biased	600.74	600.94	0.1971
24	30	Biased	600.2	600.13	-0.0741
25	30	Biased	600.61	600.67	0.0614
26	30	Unbiased	600.34	599.65	-0.6848
27	30	Unbiased	600.13	599.38	-0.7527
28	30	Unbiased	600.2	599.72	-0.4813
29	30	Unbiased	600.07	600.06	-0.0062
30	30	Unbiased	599.73	600.13	0.401
31	50	Biased	600.47	600.33	-0.1421
32	50	Biased	600.61	600.6	-0.0064
33	50	Biased	601.36	601.35	-0.0067
34	50	Biased	601.15	601.35	0.1969
35	50	Biased	600.61	600.47	-0.1422
36	50	Unbiased	601.02	601.08	0.0613
37	50	Unbiased	599.12	599.65	0.537
38	50	Unbiased	600.68	600.67	-0.0065
39	50	Unbiased	600.13	600.26	0.1295
40	50	Unbiased	600	599.99	-0.0062
41	100	Biased	600.47	599.99	-0.4813
42	100	Biased	600.81	599.92	-0.8886
43	100	Biased	600.81	600.47	-0.3458
44	100	Biased	600	599.11	-0.8884
45	100	Biased	599.93	599.58	-0.3455
46	100	Unbiased	600.2	599.99	-0.2098
47	100	Unbiased	600.61	600.81	0.1971
48	100	Unbiased	600.68	600.47	-0.2101
49	100	Unbiased	600.07	600.26	0.1974
50	100	Unbiased	600.54	599.99	-0.5492
51	0	Correlation	600.61	600.67	0.0614
53	0	Correlation	601.76	601.62	-0.1426
54	0	Correlation	600.07	600.2	0.1295
55	0	Correlation	599.05	599.45	0.4013
56	0	Correlation	600.41	600.53	0.1294

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	599.05	600.38	601.76	0.97972	599.45	600.49	601.62	0.78784	-0.1426	0.1158	0.4013	0.19469
3	600	600.42	601.08	0.38772	599.79	600.45	601.01	0.43279	-0.4135	0.02756	0.333	0.22453
10	598.84	600.45	601.7	0.80075	599.31	600.45	602.16	0.84862	-0.2098	0.00721	0.4692	0.25748
30	599.73	600.34	601.22	0.41965	599.38	600.22	601.28	0.59345	-0.7527	-0.11489	0.401	0.38939
50	599.12	600.51	601.36	0.64811	599.65	600.58	601.35	0.55974	-0.1422	0.06146	0.537	0.19734
100	599.93	600.41	600.81	0.33629	599.11	600.06	600.81	0.48194	-0.8886	-0.35242	0.1974	0.37639

Device Test: 13.21; VTH_SENSE





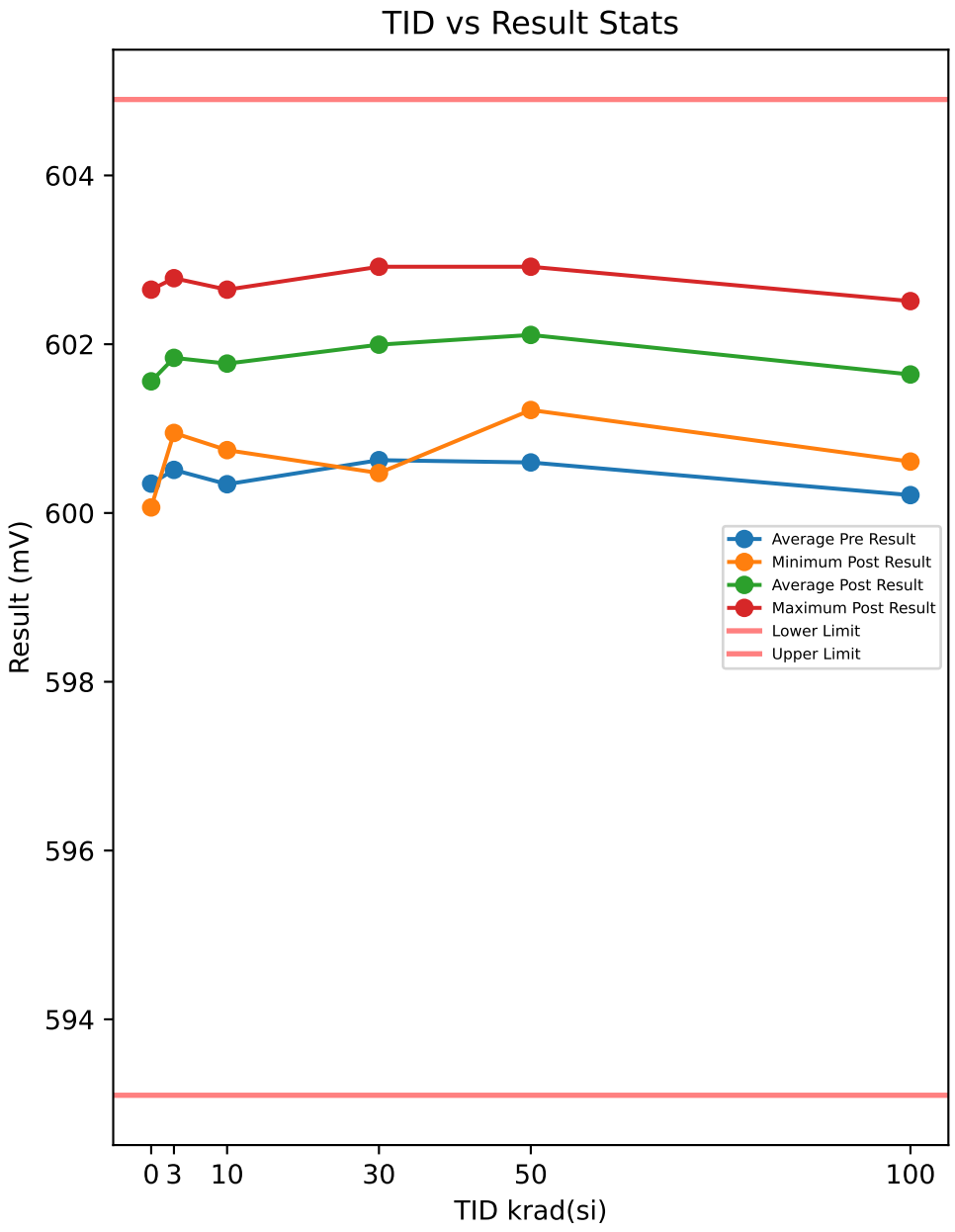
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

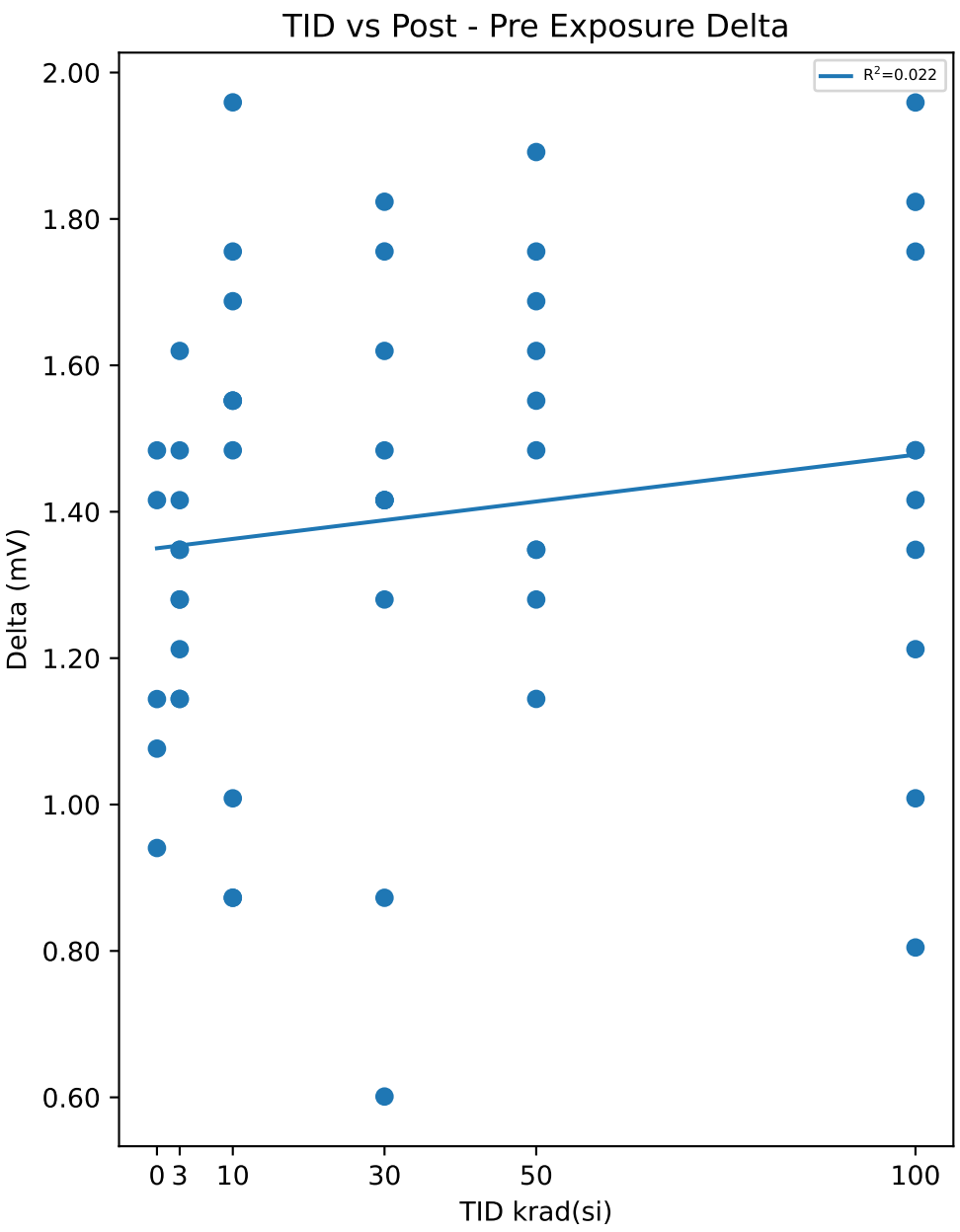
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.76	598.84	-1.9117
2	3	Biased	601.03	599.12	-1.9117
3	3	Biased	600.48	598.78	-1.708
4	3	Biased	600.01	598.3	-1.708
5	3	Biased	599.13	597.49	-1.6402
6	3	Unbiased	599.47	598.03	-1.4364
7	3	Unbiased	599.53	598.1	-1.4364
8	3	Unbiased	600.08	598.64	-1.4363
9	3	Unbiased	599.6	597.62	-1.9797
10	3	Unbiased	599.13	597.49	-1.6402
11	10	Biased	599.74	597.96	-1.7759
12	10	Biased	598.99	597.21	-1.7761
13	10	Biased	599.47	598.03	-1.4364
14	10	Biased	599.19	597.42	-1.776
15	10	Biased	600.42	598.37	-2.0476
16	10	Unbiased	600.01	598.44	-1.5721
17	10	Unbiased	600.14	598.37	-1.776
18	10	Unbiased	600.14	598.71	-1.4364
19	10	Unbiased	600.08	598.16	-1.9117
20	10	Unbiased	599.4	597.82	-1.5723
21	30	Biased	599.8	598.16	-1.6401
22	30	Biased	600.35	599.25	-1.0968
23	30	Biased	600.35	598.64	-1.708
24	30	Biased	600.62	599.05	-1.5722
25	30	Biased	600.82	598.84	-1.9796
26	30	Unbiased	600.14	597.89	-2.2513
27	30	Unbiased	600.42	598.16	-2.2513
28	30	Unbiased	598.45	596.47	-1.9798
29	30	Unbiased	600.48	598.91	-1.5722
30	30	Unbiased	598.65	597.08	-1.5724
31	50	Biased	600.28	598.37	-1.9118
32	50	Biased	599.8	598.23	-1.5722
33	50	Biased	599.94	598.44	-1.5043
34	50	Biased	600.14	598.44	-1.708
35	50	Biased	599.94	598.37	-1.5723
36	50	Unbiased	600.48	598.78	-1.708
37	50	Unbiased	599.33	597.89	-1.4364
38	50	Unbiased	600.35	599.05	-1.3006
39	50	Unbiased	599.33	597.62	-1.7081
40	50	Unbiased	599.94	598.03	-1.9118
41	100	Biased	599.94	598.1	-1.8439
42	100	Biased	599.13	597.35	-1.776
43	100	Biased	599.47	597.82	-1.6402
44	100	Biased	599.4	597.49	-1.9118
45	100	Biased	598.58	597.35	-1.2328
46	100	Unbiased	600.21	598.03	-2.1834
47	100	Unbiased	600.42	598.91	-1.5043
48	100	Unbiased	600.35	598.71	-1.6401
49	100	Unbiased	598.99	597.49	-1.5044
50	100	Unbiased	599.4	597.21	-2.1835
51	0	Correlation	600.48	598.64	-1.8438
53	0	Correlation	600.89	599.32	-1.5721
54	0	Correlation	599.19	597.62	-1.5723
55	0	Correlation	598.11	596.2	-1.9119
56	0	Correlation	599.47	597.69	-1.776

Test Statistics (mV)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	598.11	599.63	600.89	1.1019	596.2	597.89	599.32	1.1821	-1.9119	-1.7352	-1.5721	0.15638
3	599.13	599.92	601.03	0.66613	597.49	598.24	599.12	0.59328	-1.9797	-1.6809	-1.4363	0.20548
10	598.99	599.76	600.42	0.47377	597.21	598.05	598.71	0.46619	-2.0476	-1.708	-1.4364	0.19993
30	598.45	600.01	600.82	0.81675	596.47	598.25	599.25	0.89912	-2.2513	-1.7624	-1.0968	0.3562
50	599.33	599.95	600.48	0.3918	597.62	598.32	599.05	0.41252	-1.9118	-1.6333	-1.3006	0.19591
100	598.58	599.59	600.42	0.61889	597.21	597.85	598.91	0.58947	-2.1835	-1.742	-1.2328	0.30242

Device Test: 13.22; VTH_SENSE





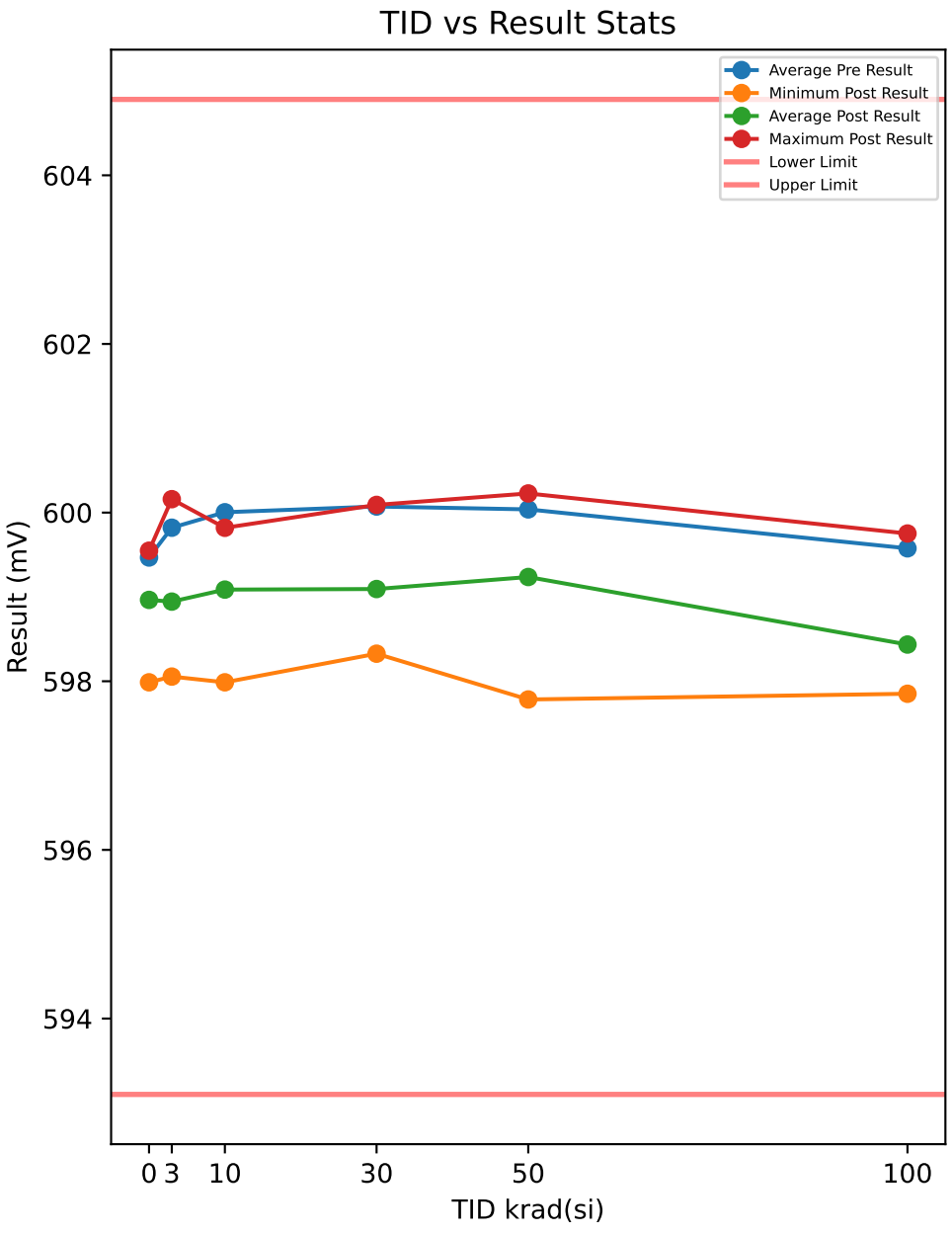
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

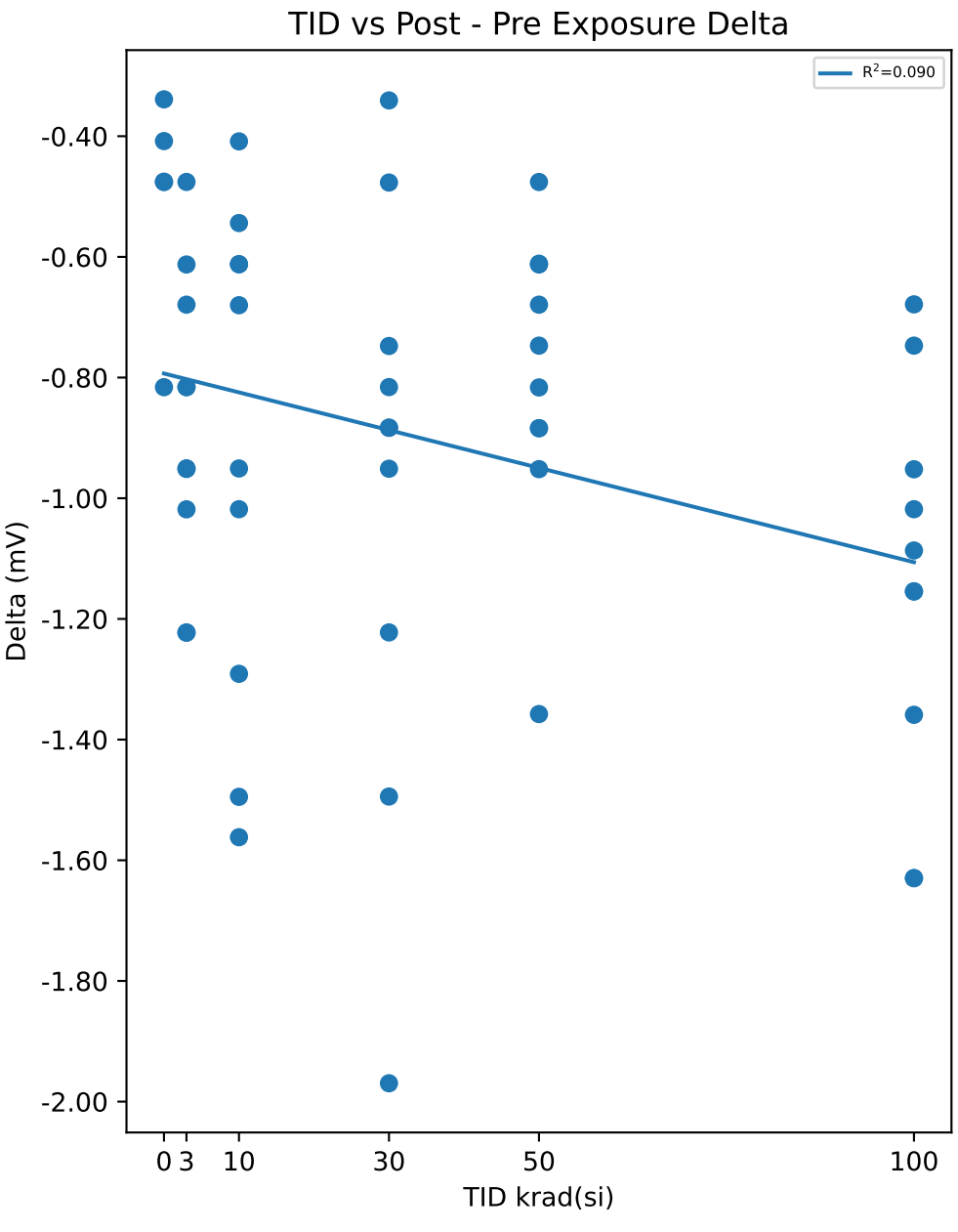
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	601.37	602.71	1.3482
2	3	Biased	601.5	602.78	1.2802
3	3	Biased	600.96	602.58	1.6197
4	3	Biased	600.76	601.9	1.1443
5	3	Biased	599.94	601.36	1.4158
6	3	Unbiased	600.14	601.49	1.3479
7	3	Unbiased	600.08	601.29	1.2122
8	3	Unbiased	600.62	602.1	1.4838
9	3	Unbiased	599.94	601.22	1.28
10	3	Unbiased	599.8	600.95	1.1443
11	10	Biased	600.08	601.76	1.6876
12	10	Biased	599.6	601.15	1.5517
13	10	Biased	600.01	601.76	1.7555
14	10	Biased	599.87	600.75	0.8726
15	10	Biased	601.09	602.65	1.5518
16	10	Unbiased	600.55	601.56	1.0085
17	10	Unbiased	600.69	602.17	1.4839
18	10	Unbiased	600.82	602.37	1.5518
19	10	Unbiased	600.69	601.56	0.8727
20	10	Unbiased	600.01	601.97	1.9593
21	30	Biased	600.35	601.83	1.4838
22	30	Biased	601.09	602.85	1.7556
23	30	Biased	601.09	602.92	1.8235
24	30	Biased	601.23	602.65	1.4159
25	30	Biased	601.3	602.58	1.2801
26	30	Unbiased	600.62	601.49	0.8726
27	30	Unbiased	601.09	601.7	0.6011
28	30	Unbiased	599.06	600.47	1.4158
29	30	Unbiased	601.03	602.65	1.6197
30	30	Unbiased	599.4	600.81	1.4159
31	50	Biased	600.96	602.31	1.3481
32	50	Biased	600.28	601.83	1.5517
33	50	Biased	600.55	602.17	1.6197
34	50	Biased	600.89	602.24	1.3481
35	50	Biased	600.48	602.17	1.6876
36	50	Unbiased	601.09	602.58	1.4839
37	50	Unbiased	599.87	601.63	1.7555
38	50	Unbiased	601.03	602.92	1.8914
39	50	Unbiased	600.08	601.22	1.1443
40	50	Unbiased	600.76	602.04	1.2801
41	100	Biased	600.55	601.56	1.0085
42	100	Biased	599.8	600.61	0.8047
43	100	Biased	599.94	601.9	1.9591
44	100	Biased	599.94	601.7	1.7554
45	100	Biased	599.4	601.22	1.8233
46	100	Unbiased	600.76	602.24	1.4839
47	100	Unbiased	601.03	602.51	1.484
48	100	Unbiased	600.82	602.24	1.416
49	100	Unbiased	599.8	601.15	1.348
50	100	Unbiased	600.08	601.29	1.2122
51	0	Correlation	601.23	602.65	1.4159
53	0	Correlation	601.57	602.65	1.0764
54	0	Correlation	600.08	601.02	0.9406
55	0	Correlation	598.92	600.07	1.1441
56	0	Correlation	599.94	601.42	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	598.92	600.35	601.57	1.0661	600.07	601.56	602.65	1.1076	0.9406	1.2122	1.4838	0.23027
3	599.8	600.51	601.5	0.62004	600.95	601.84	602.78	0.67568	1.1443	1.3276	1.6197	0.15032
10	599.6	600.34	601.09	0.48806	600.75	601.77	602.65	0.56316	0.8726	1.4295	1.9593	0.37988
30	599.06	600.63	601.3	0.79477	600.47	601.99	602.92	0.87273	0.6011	1.3684	1.8235	0.37751
50	599.87	600.6	601.09	0.41988	601.22	602.11	602.92	0.4764	1.1443	1.511	1.8914	0.23351
100	599.4	600.21	601.03	0.5385	600.61	601.64	602.51	0.59188	0.8047	1.4295	1.9591	0.36046

Device Test: 13.23; VTH_SENSE





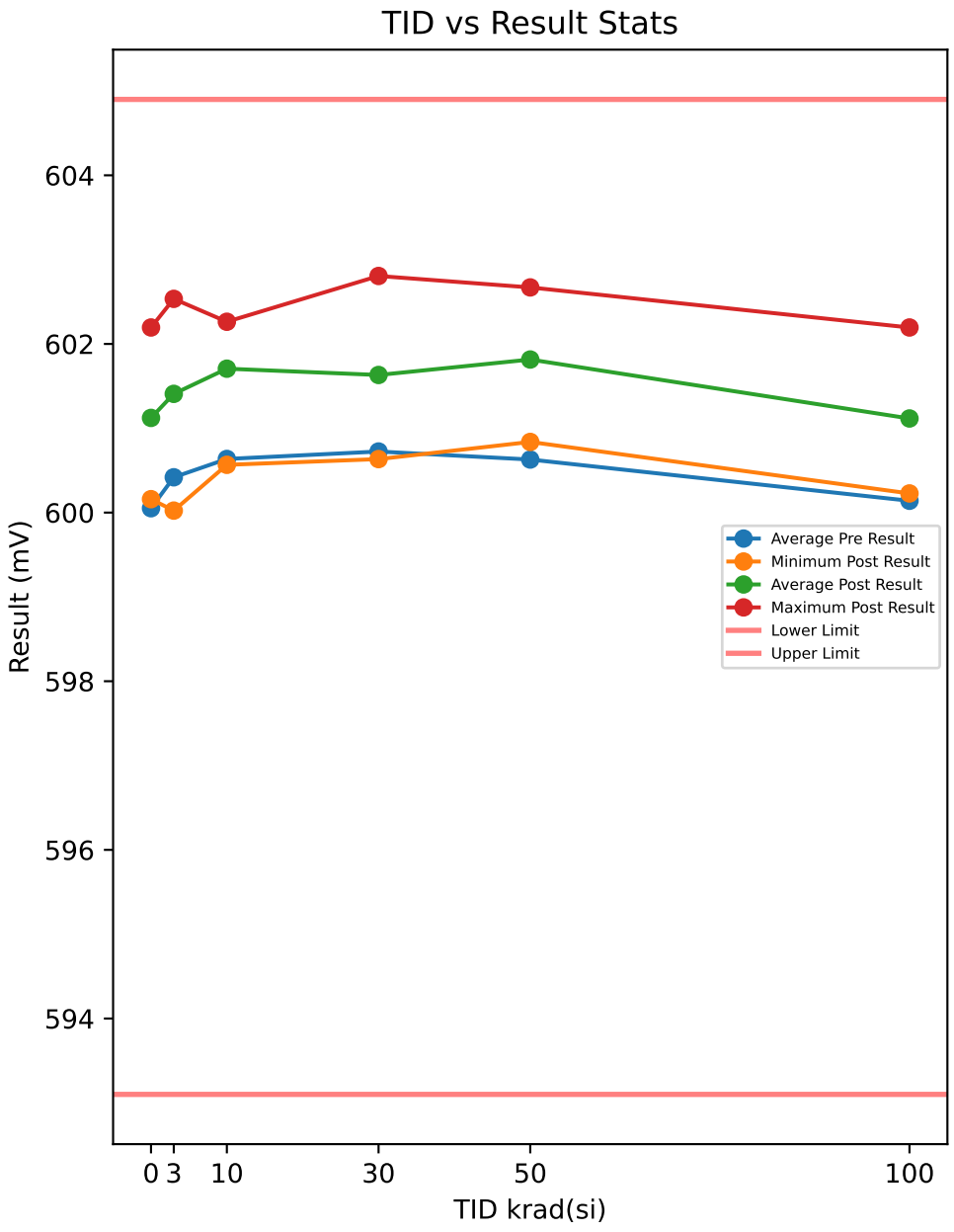
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

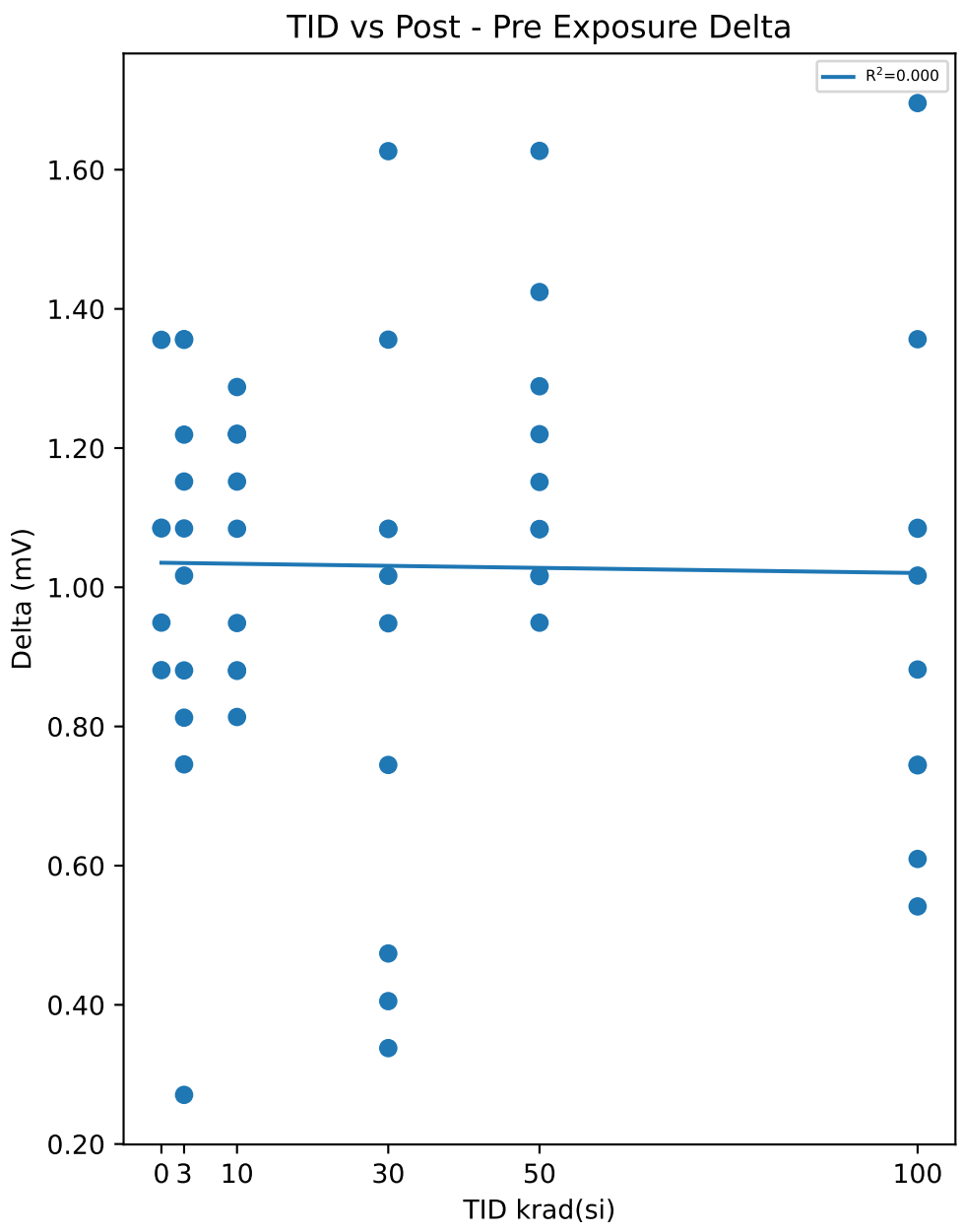
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.16	598.94	-1.2229
2	3	Biased	600.77	600.16	-0.6126
3	3	Biased	600.3	599.48	-0.8158
4	3	Biased	600.23	599.41	-0.8158
5	3	Biased	599.41	598.73	-0.6792
6	3	Unbiased	599.01	598.06	-0.9504
7	3	Unbiased	599.48	599.01	-0.4758
8	3	Unbiased	599.07	598.06	-1.0184
9	3	Unbiased	600.16	599.21	-0.9515
10	3	Unbiased	599.62	598.39	-1.2224
11	10	Biased	600.3	599.68	-0.6122
12	10	Biased	599.75	598.19	-1.5618
13	10	Biased	600.3	599.68	-0.6122
14	10	Biased	599.01	597.99	-1.0182
15	10	Biased	600.7	599.21	-1.4949
16	10	Unbiased	599.82	599.28	-0.5439
17	10	Unbiased	600.3	599.62	-0.6801
18	10	Unbiased	600.23	599.82	-0.4086
19	10	Unbiased	600.36	599.07	-1.291
20	10	Unbiased	599.28	598.33	-0.9507
21	30	Biased	599.48	598.6	-0.883
22	30	Biased	600.3	599.96	-0.3407
23	30	Biased	600.57	600.09	-0.4768
24	30	Biased	600.3	599.48	-0.8158
25	30	Biased	599.89	599.01	-0.8833
26	30	Unbiased	600.3	598.33	-1.9696
27	30	Unbiased	600.23	598.73	-1.4944
28	30	Unbiased	599.75	598.53	-1.2224
29	30	Unbiased	600.02	599.28	-0.7477
30	30	Unbiased	599.89	598.94	-0.9511
31	50	Biased	599.41	598.73	-0.6792
32	50	Biased	600.77	600.16	-0.6126
33	50	Biased	600.64	599.68	-0.9518
34	50	Biased	601.04	600.23	-0.8164
35	50	Biased	600.43	599.55	-0.8839
36	50	Unbiased	600.5	599.62	-0.8839
37	50	Unbiased	599.35	598.73	-0.6113
38	50	Unbiased	599.75	599.28	-0.4759
39	50	Unbiased	599.14	597.78	-1.3577
40	50	Unbiased	599.35	598.6	-0.7471
41	100	Biased	599.41	598.67	-0.7471
42	100	Biased	600.36	599.01	-1.3589
43	100	Biased	599.48	598.39	-1.0866
44	100	Biased	599.48	597.85	-1.6296
45	100	Biased	598.73	598.06	-0.6787
46	100	Unbiased	599.21	598.06	-1.1542
47	100	Unbiased	599.75	598.6	-1.1546
48	100	Unbiased	600.7	599.75	-0.952
49	100	Unbiased	598.87	597.85	-1.0182
50	100	Unbiased	599.75	598.12	-1.6297
51	0	Correlation	600.36	599.55	-0.816
53	0	Correlation	599.68	599.28	-0.4081
54	0	Correlation	599.75	599.28	-0.4759
55	0	Correlation	598.33	597.99	-0.3389
56	0	Correlation	599.21	598.73	-0.4754

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	598.33	599.47	600.36	0.7586	597.99	598.96	599.55	0.62126	-0.816	-0.50286	-0.3389	0.18398
3	599.01	599.82	600.77	0.58436	598.06	598.94	600.16	0.66533	-1.2229	-0.87648	-0.4758	0.24661
10	599.01	600	600.7	0.53206	597.99	599.09	599.82	0.68079	-1.5618	-0.91736	-0.4086	0.41373
30	599.48	600.07	600.57	0.3235	598.33	599.09	600.09	0.59944	-1.9696	-0.97848	-0.3407	0.47901
50	599.14	600.04	601.04	0.70797	597.78	599.24	600.23	0.7673	-1.3577	-0.80198	-0.4759	0.2453
100	598.73	599.58	600.7	0.60945	597.85	598.44	599.75	0.59701	-1.6297	-1.141	-0.6787	0.32456

Device Test: 13.24; VTH_SENSE





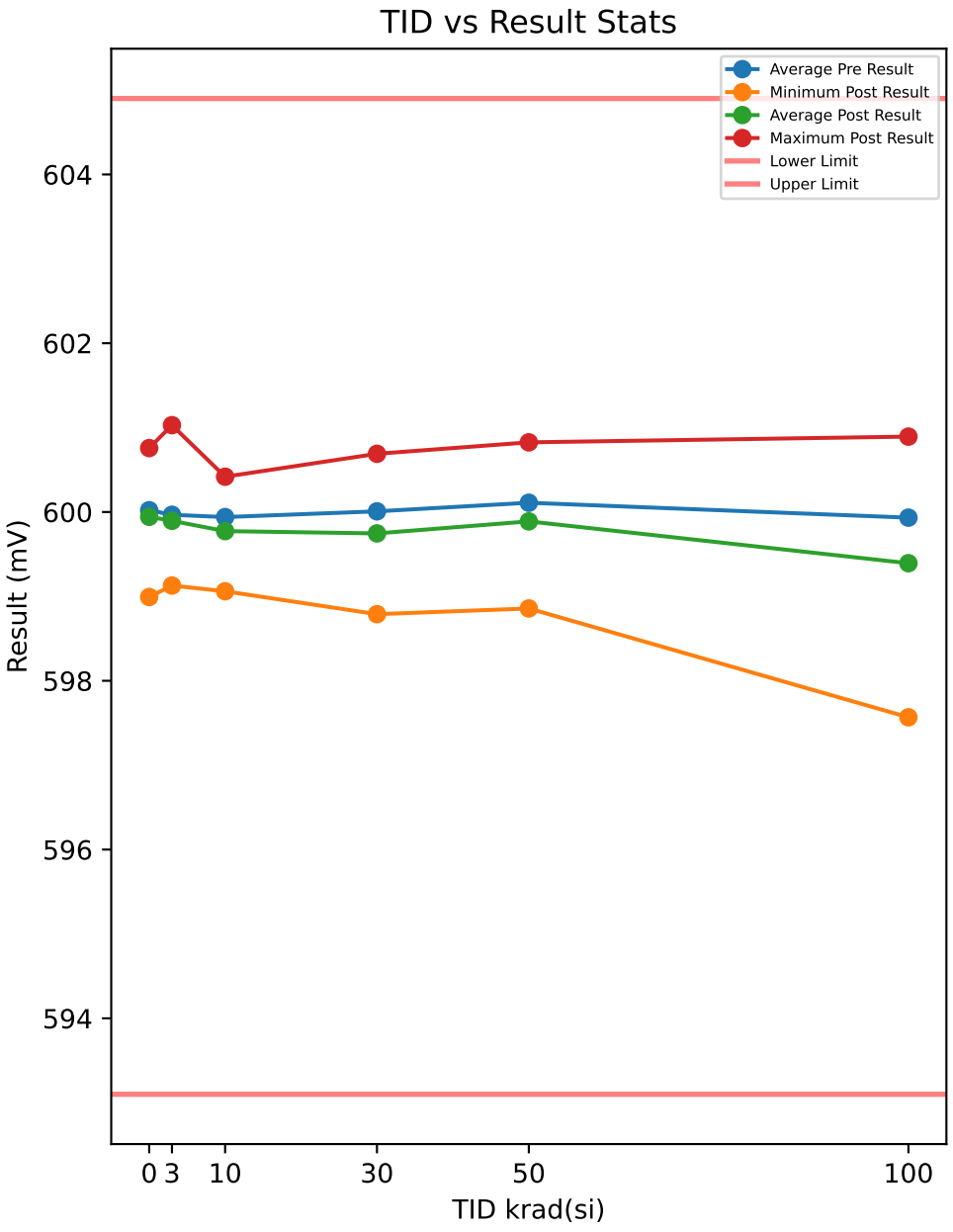
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

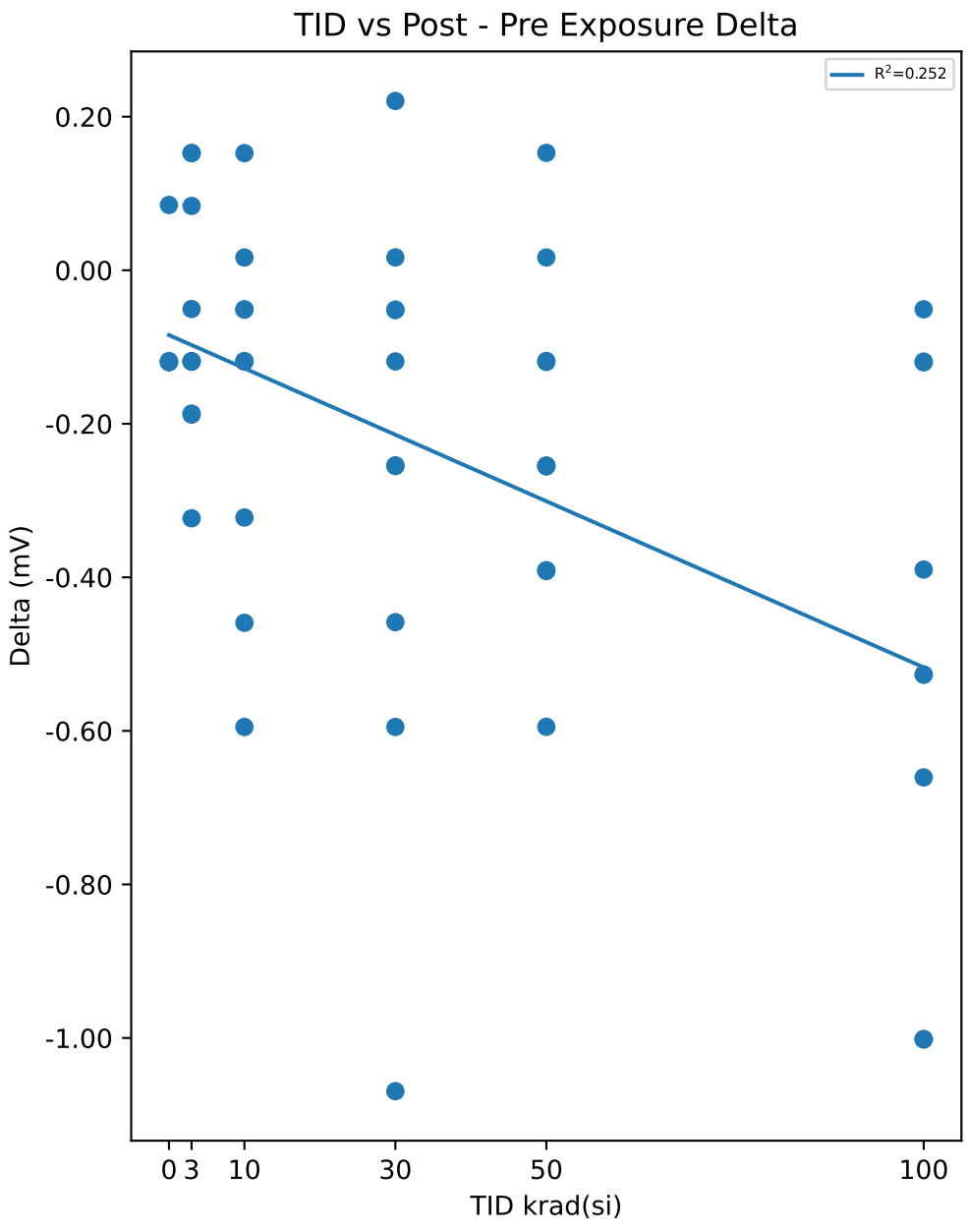
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.84	601.65	0.8126
2	3	Biased	601.32	602.53	1.2193
3	3	Biased	600.84	602.2	1.3555
4	3	Biased	600.84	601.99	1.1519
5	3	Biased	600.09	601.11	1.0168
6	3	Unbiased	599.75	600.02	0.2706
7	3	Unbiased	600.16	601.25	1.0845
8	3	Unbiased	599.62	600.97	1.3566
9	3	Unbiased	600.77	601.65	0.8805
10	3	Unbiased	599.96	600.7	0.7455
11	10	Biased	600.84	601.99	1.1519
12	10	Biased	600.5	601.38	0.8807
13	10	Biased	600.84	602.13	1.2877
14	10	Biased	599.75	600.57	0.8136
15	10	Biased	601.32	602.2	0.8799
16	10	Unbiased	600.36	601.31	0.9486
17	10	Unbiased	601.04	602.26	1.2196
18	10	Unbiased	600.91	602.13	1.2197
19	10	Unbiased	600.84	601.92	1.0841
20	10	Unbiased	599.96	601.18	1.2206
21	30	Biased	600.16	600.63	0.4738
22	30	Biased	601.04	602.13	1.0839
23	30	Biased	601.18	602.81	1.6266
24	30	Biased	600.91	601.86	0.9482
25	30	Biased	600.5	600.84	0.3378
26	30	Unbiased	600.84	601.25	0.4053
27	30	Unbiased	600.84	601.58	0.7447
28	30	Unbiased	600.43	601.45	1.0165
29	30	Unbiased	600.91	601.99	1.0839
30	30	Unbiased	600.43	601.79	1.3558
31	50	Biased	600.09	601.11	1.0168
32	50	Biased	601.52	602.67	1.1513
33	50	Biased	601.25	602.33	1.0837
34	50	Biased	601.52	602.6	1.0834
35	50	Biased	600.84	602.47	1.627
36	50	Unbiased	601.04	602.06	1.016
37	50	Unbiased	599.96	601.38	1.4242
38	50	Unbiased	600.57	601.79	1.2199
39	50	Unbiased	599.55	600.84	1.2888
40	50	Unbiased	599.96	600.91	0.9491
41	100	Biased	600.09	601.11	1.0168
42	100	Biased	600.77	601.86	1.0841
43	100	Biased	599.82	601.52	1.6957
44	100	Biased	600.09	600.7	0.6096
45	100	Biased	599.35	600.43	1.0854
46	100	Unbiased	599.68	601.04	1.3564
47	100	Unbiased	600.43	601.18	0.745
48	100	Unbiased	601.45	602.2	0.7441
49	100	Unbiased	599.35	600.23	0.8818
50	100	Unbiased	600.36	600.91	0.5414
51	0	Correlation	600.84	602.2	1.3555
53	0	Correlation	600.3	601.38	1.0845
54	0	Correlation	600.23	601.11	0.8809
55	0	Correlation	599.07	600.16	1.0856
56	0	Correlation	599.82	600.77	0.9492

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	599.07	600.05	600.84	0.65612	600.16	601.12	602.2	0.75329	0.8809	1.0711	1.3555	0.18187
3	599.62	600.42	601.32	0.57087	600.02	601.41	602.53	0.75046	0.2706	0.98938	1.3566	0.32951
10	599.75	600.64	601.32	0.48987	600.57	601.71	602.26	0.56494	0.8136	1.0706	1.2877	0.17455
30	600.16	600.72	601.18	0.32347	600.63	601.63	602.81	0.63588	0.3378	0.90765	1.6266	0.41968
50	599.55	600.63	601.52	0.71061	600.84	601.82	602.67	0.71267	0.9491	1.186	1.627	0.2105
100	599.35	600.14	601.45	0.65238	600.23	601.12	602.2	0.61076	0.5414	0.97603	1.6957	0.35389

Device Test: 13.25; VTH_SENSE





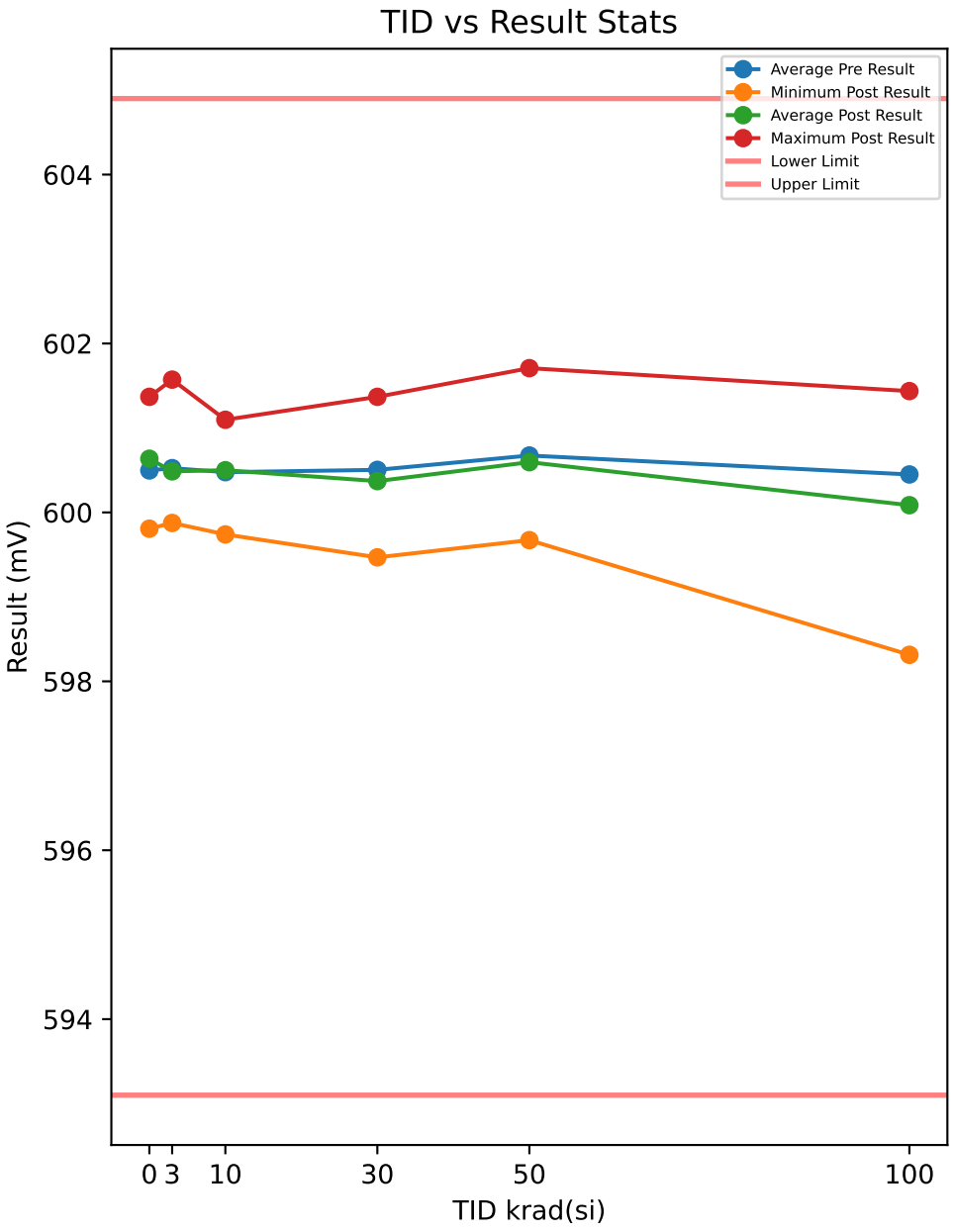
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

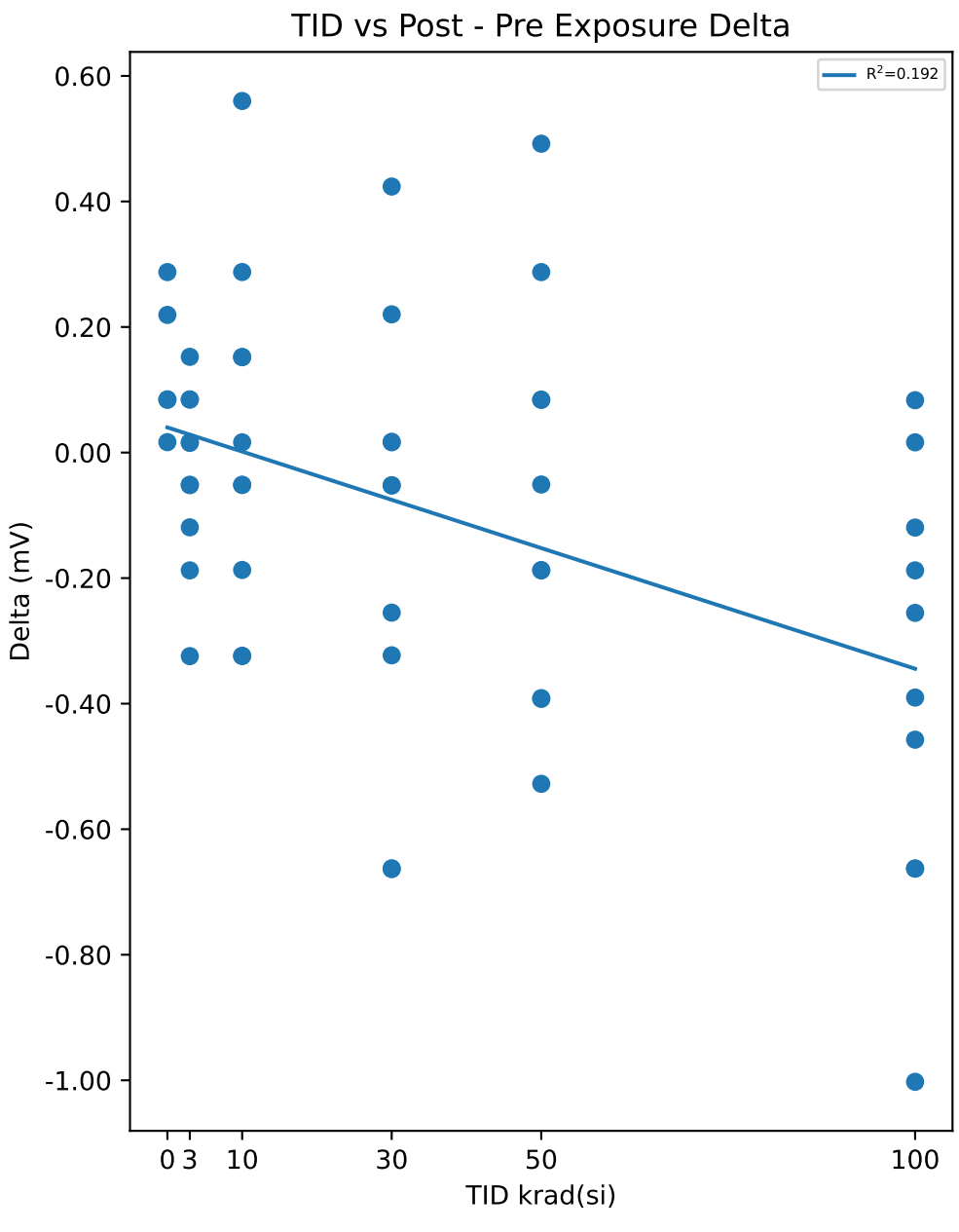
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.47	600.15	-0.3231
2	3	Biased	601.22	601.03	-0.1881
3	3	Biased	600.81	600.89	0.0838
4	3	Biased	600.2	600.08	-0.1192
5	3	Biased	599.65	599.47	-0.1867
6	3	Unbiased	599.59	599.74	0.1527
7	3	Unbiased	599.25	599.2	-0.0505
8	3	Unbiased	599.79	599.94	0.1526
9	3	Unbiased	599.25	599.13	-0.1184
10	3	Unbiased	599.45	599.33	-0.1186
11	10	Biased	599.79	599.67	-0.1189
12	10	Biased	599.52	599.4	-0.1187
13	10	Biased	600.13	600.15	0.0166
14	10	Biased	599.38	599.06	-0.3221
15	10	Biased	600.88	600.42	-0.4592
16	10	Unbiased	599.65	599.6	-0.0509
17	10	Unbiased	600.06	600.01	-0.0513
18	10	Unbiased	599.99	600.15	0.1525
19	10	Unbiased	600.74	600.15	-0.5949
20	10	Unbiased	599.25	599.13	-0.1184
21	30	Biased	599.59	599.47	-0.1188
22	30	Biased	600.74	600.69	-0.0519
23	30	Biased	599.86	600.08	0.2205
24	30	Biased	600.33	600.08	-0.2551
25	30	Biased	599.86	599.4	-0.4584
26	30	Unbiased	600.74	600.15	-0.5949
27	30	Unbiased	599.86	598.79	-1.0693
28	30	Unbiased	599.11	598.86	-0.2541
29	30	Unbiased	600.06	600.01	-0.0513
30	30	Unbiased	599.93	599.94	0.0167
31	50	Biased	600.06	599.67	-0.3907
32	50	Biased	600.54	599.94	-0.5947
33	50	Biased	600.74	600.49	-0.2555
34	50	Biased	601.22	600.83	-0.3918
35	50	Biased	599.86	599.6	-0.2547
36	50	Unbiased	600.47	600.35	-0.1195
37	50	Unbiased	599.45	599.6	0.1529
38	50	Unbiased	600.2	600.21	0.0166
39	50	Unbiased	598.98	598.86	-0.1182
40	50	Unbiased	599.59	599.33	-0.2545
41	100	Biased	600.4	599.4	-1.0019
42	100	Biased	599.99	598.99	-1.0015
43	100	Biased	600.27	599.74	-0.5266
44	100	Biased	600.27	599.26	-1.0017
45	100	Biased	599.18	598.79	-0.3899
46	100	Unbiased	600.47	599.94	-0.5268
47	100	Unbiased	599.65	599.6	-0.0509
48	100	Unbiased	601.01	600.89	-0.12
49	100	Unbiased	599.86	599.74	-0.119
50	100	Unbiased	598.23	597.57	-0.6606
51	0	Correlation	600.88	600.76	-0.1198
53	0	Correlation	600.54	600.42	-0.1195
54	0	Correlation	599.52	599.6	0.085
55	0	Correlation	599.11	598.99	-0.1183
56	0	Correlation	600.06	599.94	-0.1192

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	599.11	600.02	600.88	0.72156	598.99	599.94	600.76	0.69059	-0.1198	-0.07836	0.085	0.091323
3	599.25	599.97	601.22	0.67958	599.13	599.9	601.03	0.66514	-0.3231	-0.07155	0.1527	0.15702
10	599.25	599.94	600.88	0.54241	599.06	599.77	600.42	0.47059	-0.5949	-0.16653	0.1525	0.22662
30	599.11	600.01	600.74	0.49906	598.79	599.75	600.69	0.60417	-1.0693	-0.26166	0.2205	0.36829
50	598.98	600.11	601.22	0.66727	598.86	599.89	600.83	0.59073	-0.5947	-0.22101	0.1529	0.21556
100	598.23	599.93	601.01	0.7789	597.57	599.39	600.89	0.86366	-1.0019	-0.53989	-0.0509	0.37562

Device Test: 13.26; VTH_SENSE





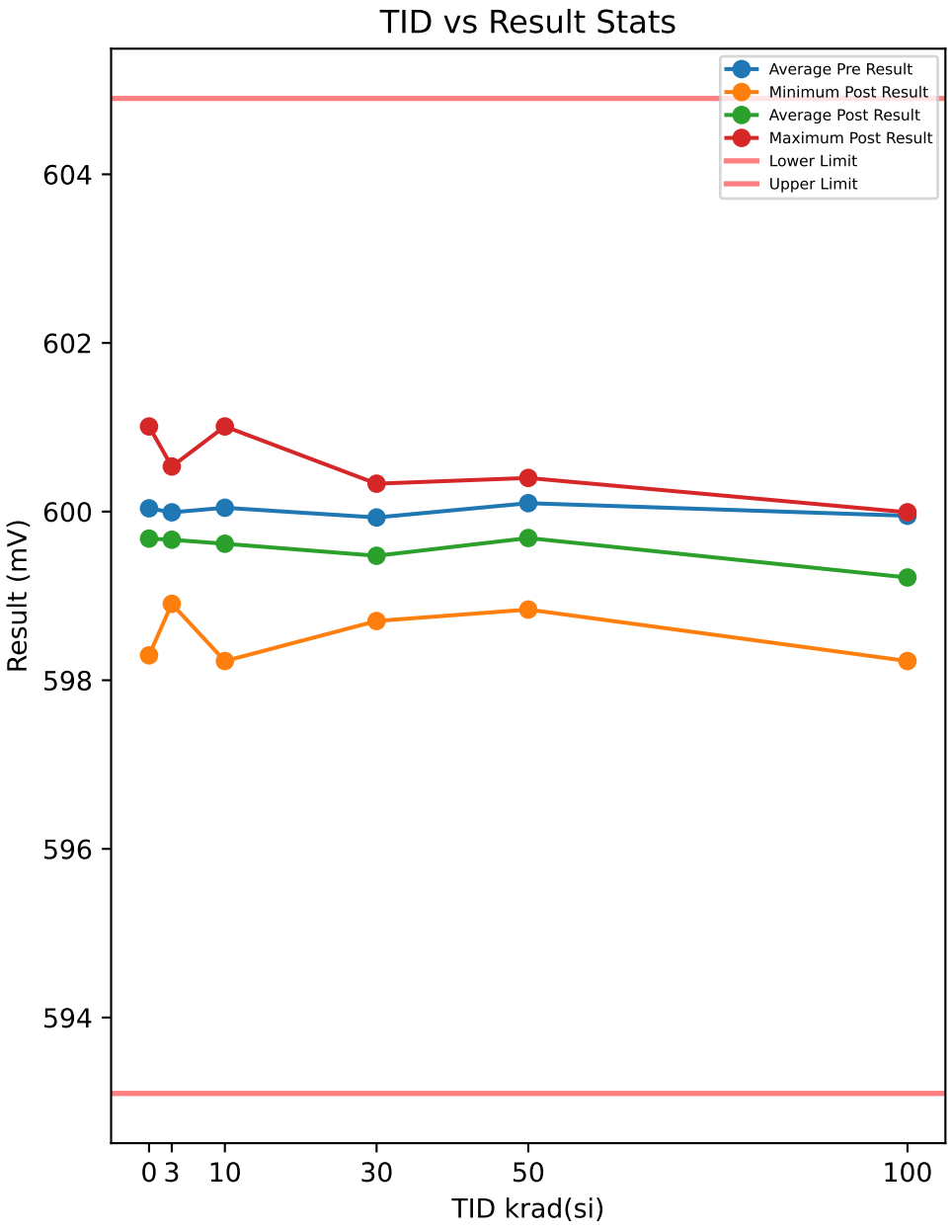
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

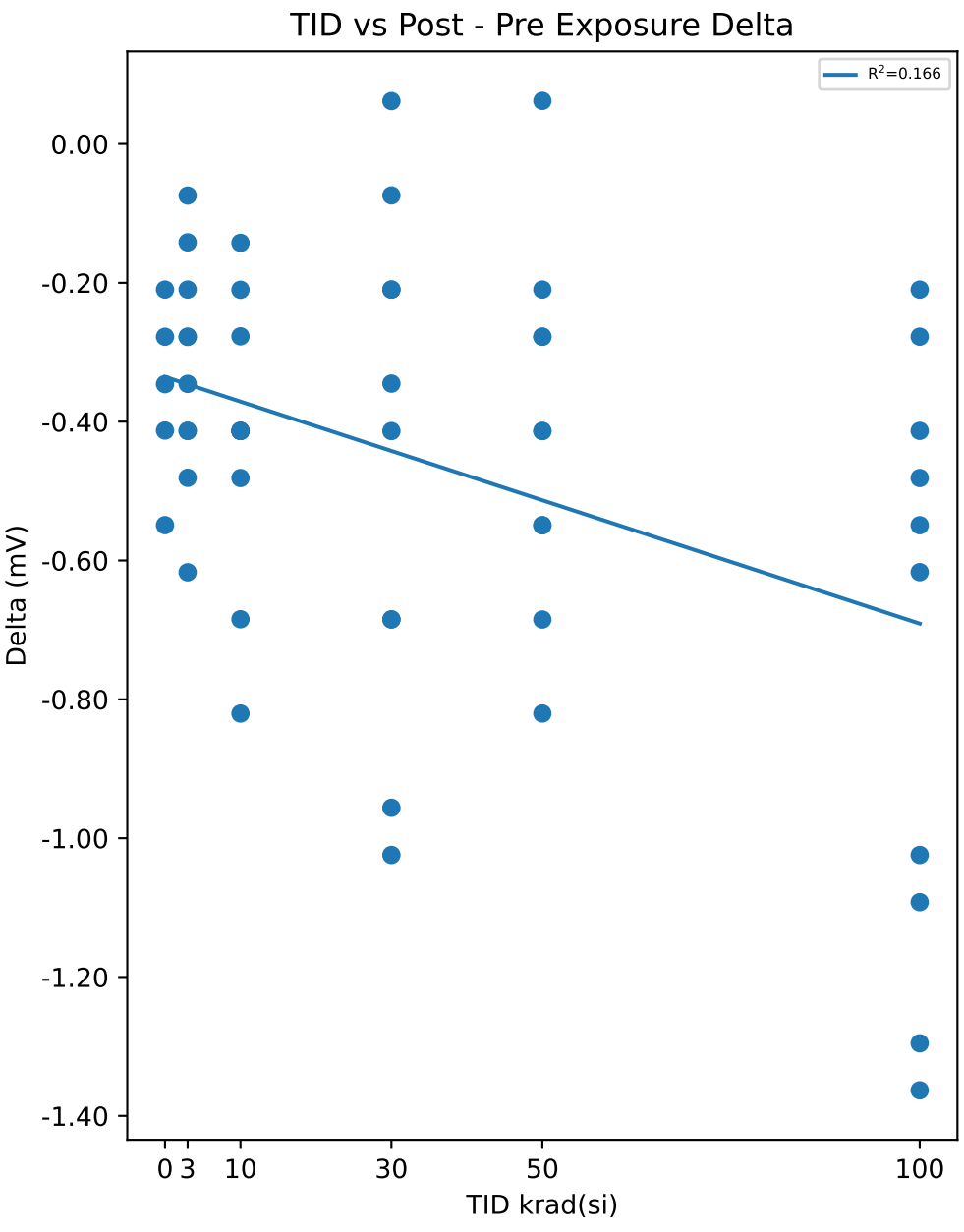
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.88	600.69	-0.1877
2	3	Biased	601.9	601.57	-0.3243
3	3	Biased	601.42	601.44	0.0154
4	3	Biased	600.81	600.76	-0.0519
5	3	Biased	600.2	600.15	-0.0513
6	3	Unbiased	600.06	600.08	0.0166
7	3	Unbiased	599.79	599.88	0.0847
8	3	Unbiased	600.27	600.35	0.0844
9	3	Unbiased	599.99	599.88	-0.1191
10	3	Unbiased	599.93	600.08	0.1525
11	10	Biased	600.33	600.28	-0.0515
12	10	Biased	600.13	600.28	0.1523
13	10	Biased	600.61	600.76	0.1519
14	10	Biased	599.93	599.74	-0.187
15	10	Biased	601.42	601.1	-0.324
16	10	Unbiased	600.33	600.28	-0.0515
17	10	Unbiased	600.47	600.49	0.0163
18	10	Unbiased	600.61	600.89	0.2876
19	10	Unbiased	601.29	600.96	-0.3239
20	10	Unbiased	599.65	600.21	0.5601
21	30	Biased	600.2	599.94	-0.255
22	30	Biased	601.42	601.37	-0.0525
23	30	Biased	600.27	600.69	0.4238
24	30	Biased	600.88	600.83	-0.052
25	30	Biased	600.4	600.08	-0.323
26	30	Unbiased	601.56	600.89	-0.6636
27	30	Unbiased	600.2	599.54	-0.6623
28	30	Unbiased	599.45	599.47	0.0171
29	30	Unbiased	600.4	600.42	0.0164
30	30	Unbiased	600.27	600.49	0.2202
31	50	Biased	600.67	600.28	-0.3912
32	50	Biased	600.81	600.62	-0.1877
33	50	Biased	601.42	600.89	-0.5277
34	50	Biased	602.1	601.71	-0.3924
35	50	Biased	600.33	600.42	0.0843
36	50	Unbiased	600.88	601.16	0.2875
37	50	Unbiased	599.79	600.28	0.492
38	50	Unbiased	600.67	600.76	0.084
39	50	Unbiased	599.72	599.67	-0.0509
40	50	Unbiased	600.33	600.15	-0.1872
41	100	Biased	601.01	600.01	-1.0024
42	100	Biased	600.47	599.81	-0.6626
43	100	Biased	600.61	600.35	-0.2554
44	100	Biased	600.81	600.15	-0.6628
45	100	Biased	599.72	599.33	-0.3903
46	100	Unbiased	600.74	600.55	-0.1877
47	100	Unbiased	600.47	600.49	0.0163
48	100	Unbiased	601.35	601.44	0.0834
49	100	Unbiased	600.54	600.42	-0.1195
50	100	Unbiased	598.77	598.31	-0.4574
51	0	Correlation	601.15	601.37	0.2193
53	0	Correlation	600.81	601.1	0.2875
54	0	Correlation	600.2	600.21	0.0166
55	0	Correlation	599.72	599.81	0.0848
56	0	Correlation	600.61	600.69	0.084

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	599.72	600.5	601.15	0.55323	599.81	600.64	601.37	0.6357	0.0166	0.13844	0.2875	0.11118
3	599.79	600.52	601.9	0.70372	599.88	600.49	601.57	0.61553	-0.3243	-0.03807	0.1525	0.14278
10	599.65	600.48	601.42	0.54959	599.74	600.5	601.1	0.42065	-0.324	0.02303	0.5601	0.27645
30	599.45	600.5	601.56	0.62538	599.47	600.37	601.37	0.61223	-0.6636	-0.13309	0.4238	0.35045
50	599.72	600.67	602.1	0.71258	599.67	600.59	601.71	0.57351	-0.5277	-0.07893	0.492	0.32231
100	598.77	600.45	601.35	0.72476	598.31	600.09	601.44	0.82858	-1.0024	-0.36384	0.0834	0.3404

Device Test: 13.27; VTH_SENSE





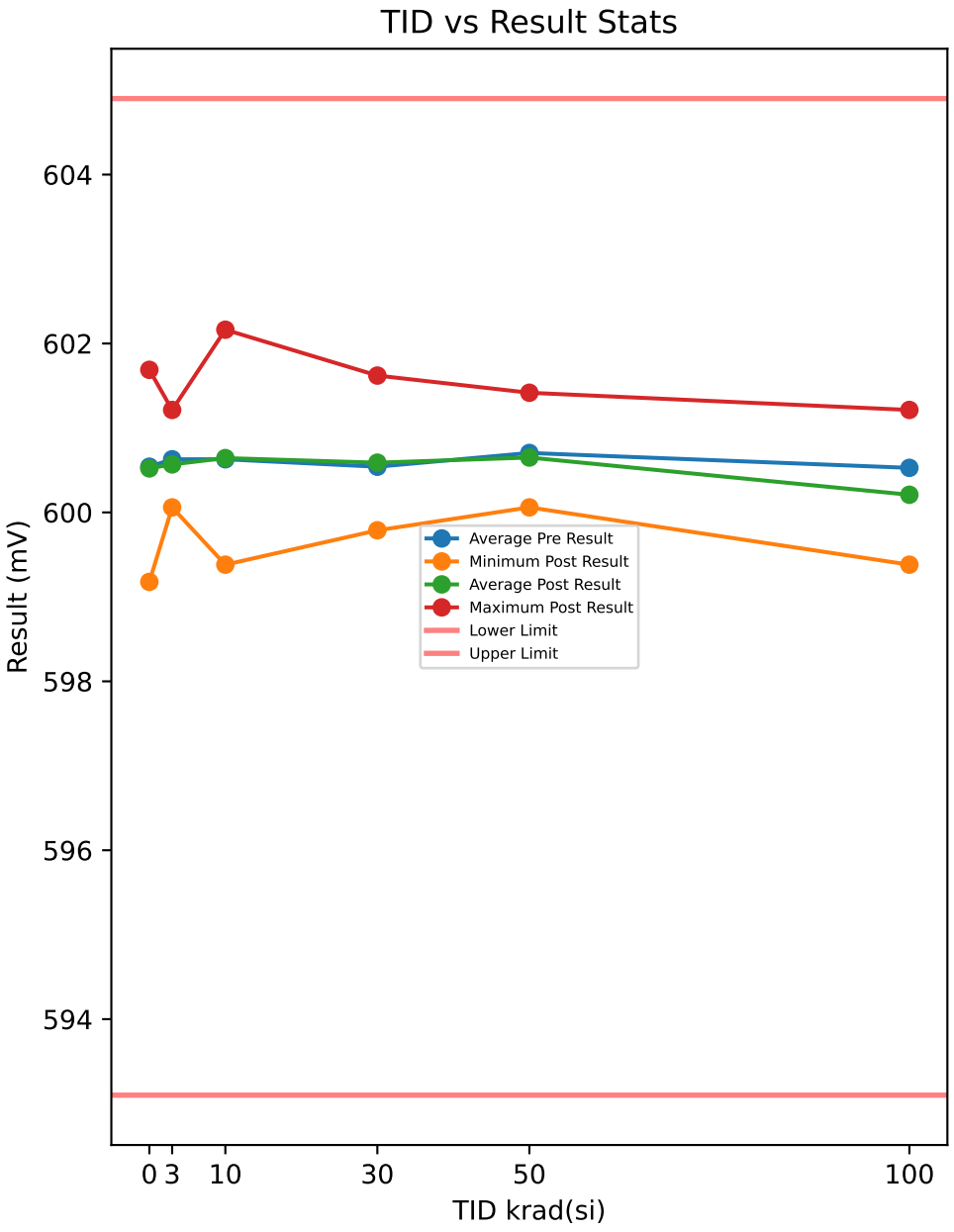
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

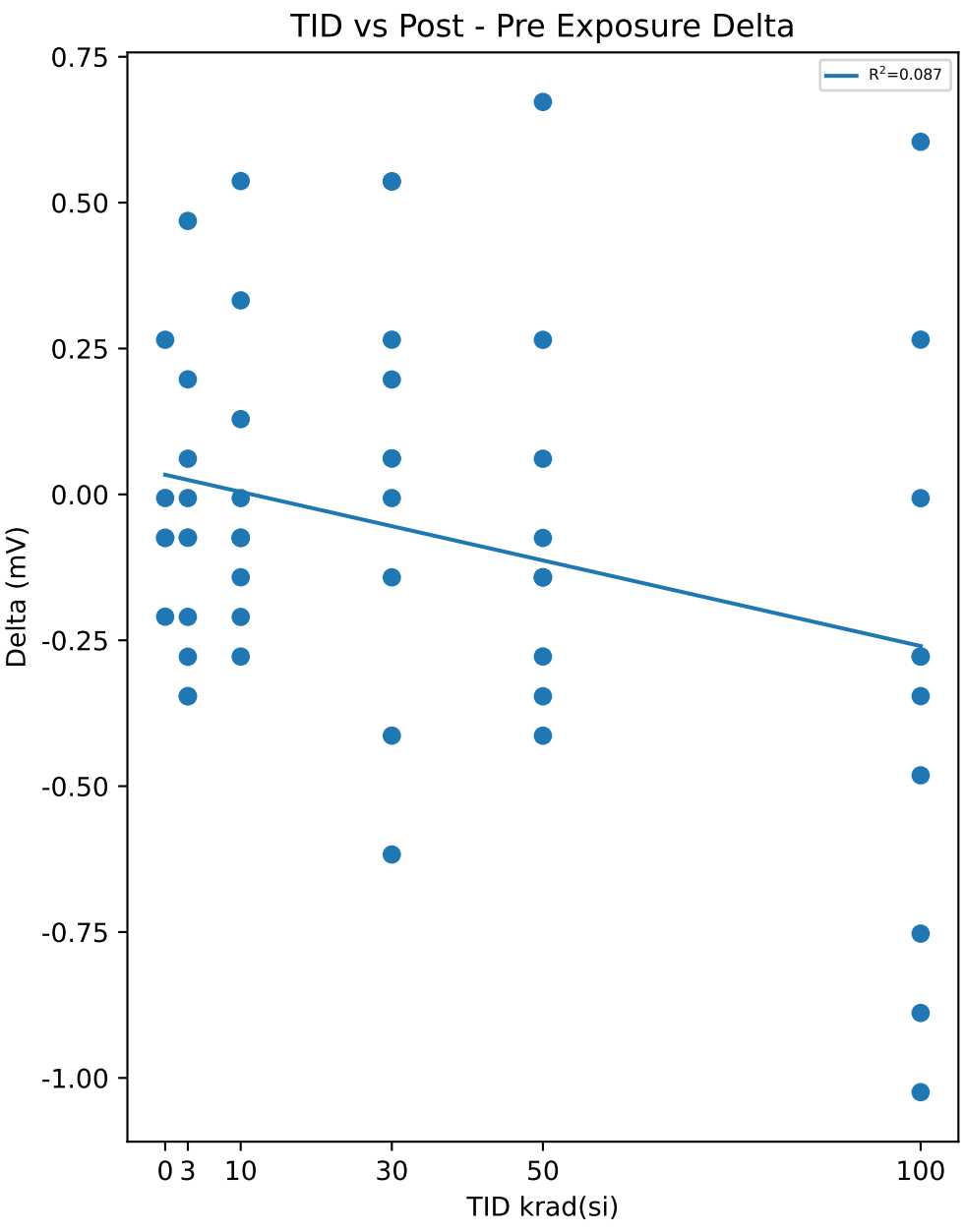
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.74	600.47	-0.2779
2	3	Biased	599.93	599.65	-0.2776
3	3	Biased	600.61	600.53	-0.0743
4	3	Biased	600.07	599.65	-0.4133
5	3	Biased	599.66	599.25	-0.4133
6	3	Unbiased	600	599.38	-0.617
7	3	Unbiased	599.46	599.31	-0.1417
8	3	Unbiased	599.79	599.58	-0.2097
9	3	Unbiased	599.39	598.91	-0.4809
10	3	Unbiased	600.27	599.92	-0.3456
11	10	Biased	600.74	600.53	-0.21
12	10	Biased	599.46	598.77	-0.6846
13	10	Biased	599.93	599.11	-0.8205
14	10	Biased	600	599.52	-0.4812
15	10	Biased	600.54	600.13	-0.4135
16	10	Unbiased	599.86	599.45	-0.4133
17	10	Unbiased	600.34	599.92	-0.4134
18	10	Unbiased	601.15	601.01	-0.1424
19	10	Unbiased	599.93	599.52	-0.4133
20	10	Unbiased	598.5	598.23	-0.2771
21	30	Biased	599.73	599.52	-0.2097
22	30	Biased	600.74	600.33	-0.4136
23	30	Biased	600.34	600.26	-0.0741
24	30	Biased	600.07	599.38	-0.6848
25	30	Biased	600.27	599.58	-0.6849
26	30	Unbiased	599.93	598.97	-0.9562
27	30	Unbiased	599.73	598.7	-1.0241
28	30	Unbiased	599.66	599.45	-0.2097
29	30	Unbiased	599.59	599.65	0.0618
30	30	Unbiased	599.25	598.91	-0.3452
31	50	Biased	600	599.45	-0.5491
32	50	Biased	600.13	599.86	-0.2777
33	50	Biased	600.95	600.4	-0.5494
34	50	Biased	600.81	600.13	-0.685
35	50	Biased	600.41	599.99	-0.4134
36	50	Unbiased	600.68	600.26	-0.4136
37	50	Unbiased	598.78	598.84	0.0621
38	50	Unbiased	599.86	599.65	-0.2097
39	50	Unbiased	599.73	599.45	-0.2776
40	50	Unbiased	599.66	598.84	-0.8204
41	100	Biased	600.07	598.77	-1.2955
42	100	Biased	600.27	599.18	-1.0921
43	100	Biased	600.27	599.72	-0.5492
44	100	Biased	599.59	598.23	-1.3632
45	100	Biased	599.32	598.7	-0.6168
46	100	Unbiased	599.93	599.45	-0.4812
47	100	Unbiased	600.2	599.99	-0.2098
48	100	Unbiased	600.07	599.65	-0.4133
49	100	Unbiased	599.66	599.38	-0.2776
50	100	Unbiased	600.13	599.11	-1.0241
51	0	Correlation	600.34	600.06	-0.2777
53	0	Correlation	601.36	601.01	-0.346
54	0	Correlation	599.66	599.45	-0.2097
55	0	Correlation	598.71	598.3	-0.4128
56	0	Correlation	600.13	599.58	-0.5491

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	598.71	600.04	601.36	0.96787	598.3	599.68	601.01	0.98635	-0.5491	-0.35906	-0.2097	0.13048
3	599.39	599.99	600.74	0.45191	598.91	599.67	600.53	0.51953	-0.617	-0.32513	-0.0743	0.16323
10	598.5	600.05	601.15	0.73253	598.23	599.62	601.01	0.82256	-0.8205	-0.42693	-0.1424	0.20424
30	599.25	599.93	600.74	0.43403	598.7	599.48	600.33	0.53546	-1.0241	-0.45405	0.0618	0.36924
50	598.78	600.1	600.95	0.65049	598.84	599.69	600.4	0.54872	-0.8204	-0.41338	0.0621	0.25403
100	599.32	599.95	600.27	0.32324	598.23	599.22	599.99	0.53547	-1.3632	-0.73228	-0.2098	0.42443

Device Test: 13.28; VTH_SENSE





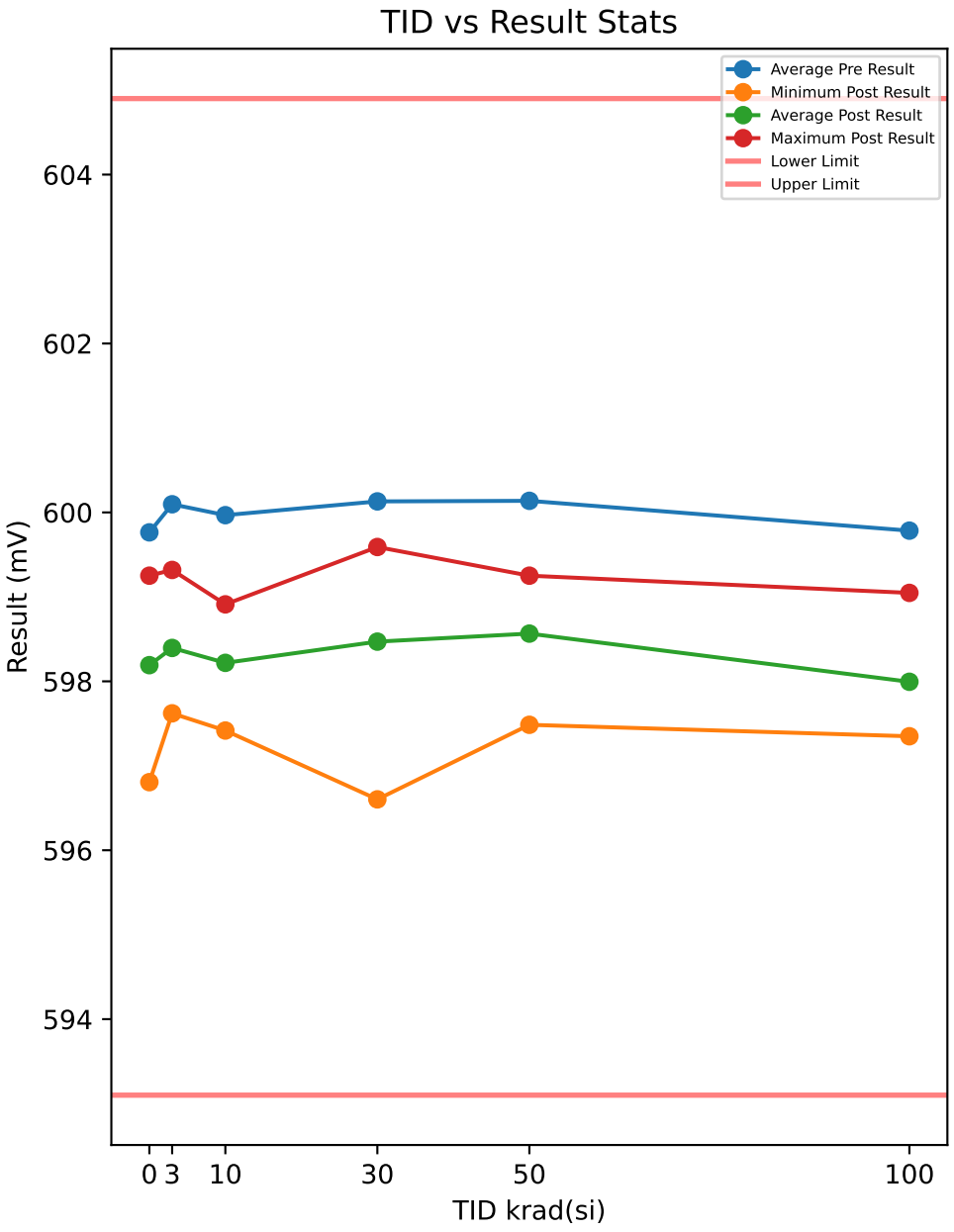
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

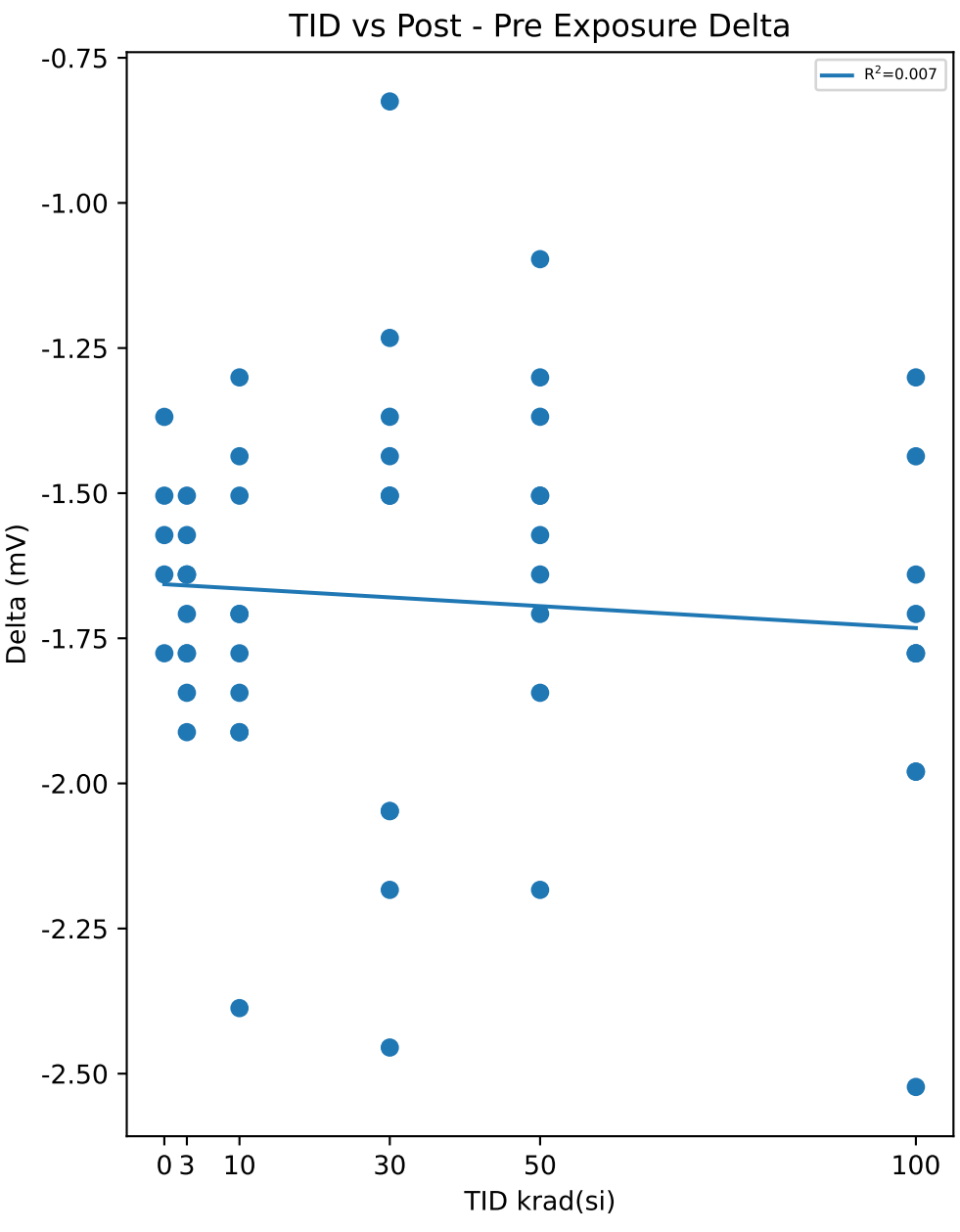
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	601.42	601.15	-0.2782
2	3	Biased	600.54	600.74	0.1972
3	3	Biased	601.15	601.21	0.0612
4	3	Biased	600.68	600.33	-0.3458
5	3	Biased	600.27	600.2	-0.0742
6	3	Unbiased	600.34	600.81	0.4687
7	3	Unbiased	600.27	600.06	-0.2099
8	3	Unbiased	600.41	600.4	-0.0063
9	3	Unbiased	600.13	600.06	-0.0741
10	3	Unbiased	601.08	600.74	-0.3459
11	10	Biased	601.42	601.35	-0.0746
12	10	Biased	599.93	599.86	-0.0741
13	10	Biased	600.41	600.4	-0.0063
14	10	Biased	600.74	600.53	-0.21
15	10	Biased	601.15	601.28	0.129
16	10	Unbiased	600.34	600.2	-0.142
17	10	Unbiased	601.02	600.94	-0.0745
18	10	Unbiased	601.83	602.16	0.3325
19	10	Unbiased	600.61	600.33	-0.2779
20	10	Unbiased	598.84	599.38	0.537
21	30	Biased	600.41	600.67	0.2651
22	30	Biased	601.29	601.48	0.1969
23	30	Biased	601.08	601.62	0.5362
24	30	Biased	600.41	600.4	-0.0063
25	30	Biased	600.88	600.74	-0.1422
26	30	Unbiased	600.41	599.99	-0.4134
27	30	Unbiased	600.41	599.79	-0.6171
28	30	Unbiased	600.2	600.26	0.0616
29	30	Unbiased	600.41	600.94	0.5365
30	30	Unbiased	599.93	599.99	0.0617
31	50	Biased	600.54	600.13	-0.4135
32	50	Biased	600.81	600.67	-0.1422
33	50	Biased	601.42	601.08	-0.346
34	50	Biased	601.36	601.28	-0.0746
35	50	Biased	600.74	600.6	-0.1421
36	50	Unbiased	601.36	601.42	0.0611
37	50	Unbiased	599.46	600.13	0.6726
38	50	Unbiased	600.68	600.94	0.2649
39	50	Unbiased	600.47	600.2	-0.2778
40	50	Unbiased	600.2	600.06	-0.142
41	100	Biased	600.68	599.79	-0.8887
42	100	Biased	601.02	599.99	-1.0244
43	100	Biased	600.88	600.6	-0.2779
44	100	Biased	600.13	599.38	-0.7527
45	100	Biased	600	599.72	-0.2777
46	100	Unbiased	600.61	600.13	-0.4814
47	100	Unbiased	600.81	600.81	-0.0065
48	100	Unbiased	600.61	601.21	0.6043
49	100	Unbiased	599.93	600.2	0.2652
50	100	Unbiased	600.61	600.26	-0.3457
51	0	Correlation	600.81	601.08	0.265
53	0	Correlation	601.76	601.69	-0.0747
54	0	Correlation	600.13	600.13	-0.0062
55	0	Correlation	599.39	599.18	-0.2096
56	0	Correlation	600.61	600.53	-0.0743

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	600.54	601.76	0.87592	599.18	600.52	601.69	0.95293	-0.2096	-0.01996	0.265	0.17557
3	600.13	600.63	601.42	0.44233	600.06	600.57	601.21	0.42226	-0.3459	-0.06073	0.4687	0.25758
10	598.84	600.63	601.83	0.83815	599.38	600.64	602.16	0.80875	-0.2779	0.01391	0.537	0.25205
30	599.93	600.54	601.29	0.41477	599.79	600.59	601.62	0.62503	-0.6171	0.0479	0.5365	0.37134
50	599.46	600.7	601.42	0.6031	600.06	600.65	601.42	0.51184	-0.4135	-0.05396	0.6726	0.32166
100	599.93	600.53	601.02	0.37699	599.38	600.21	601.21	0.5455	-1.0244	-0.31855	0.6043	0.50905

Device Test: 13.29; VTH_SENSE





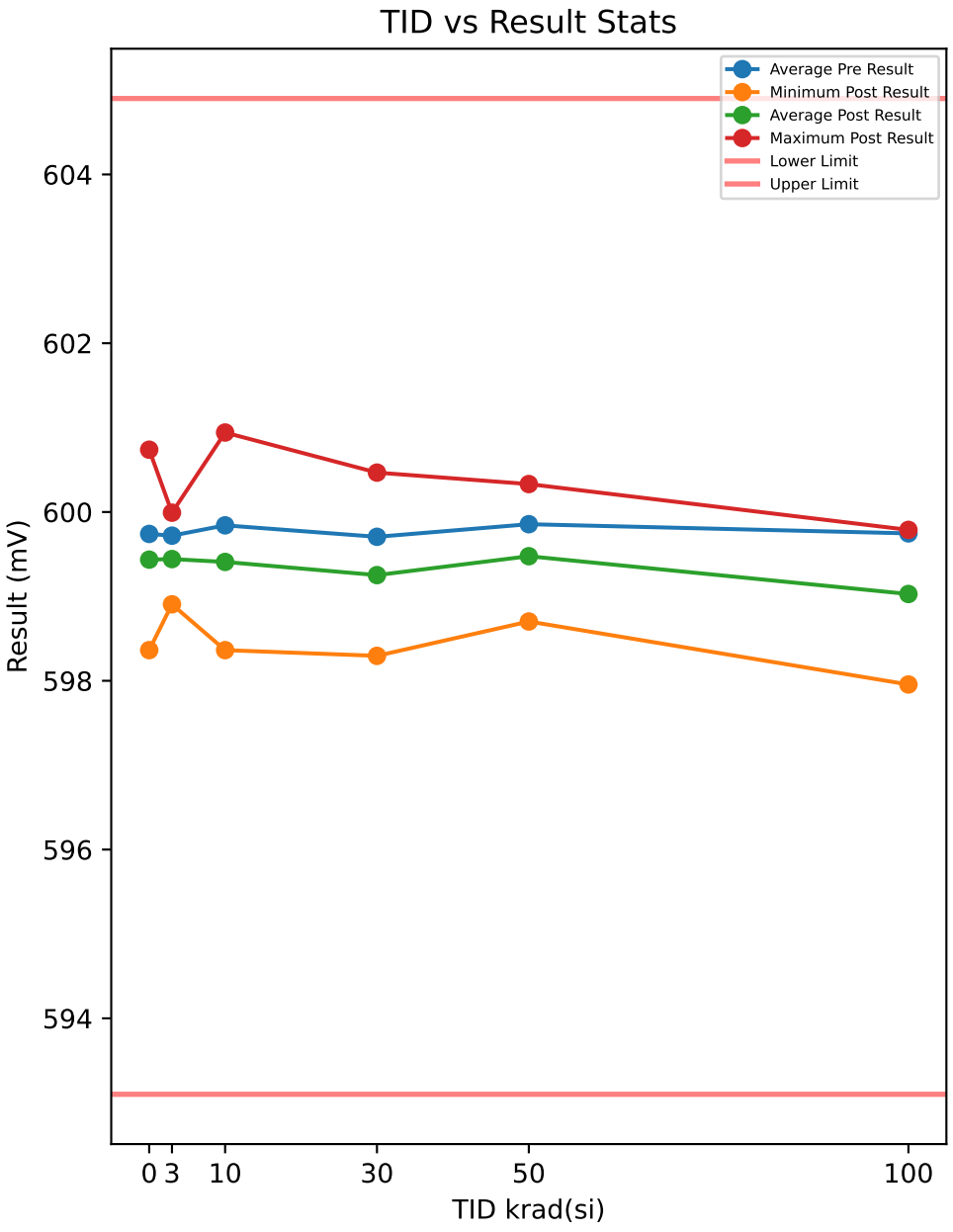
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.76	598.98	-1.7758
2	3	Biased	601.23	599.32	-1.9117
3	3	Biased	600.62	598.91	-1.708
4	3	Biased	600.21	598.57	-1.6402
5	3	Biased	599.53	597.96	-1.5722
6	3	Unbiased	599.8	598.16	-1.6401
7	3	Unbiased	599.6	598.1	-1.5043
8	3	Unbiased	600.14	598.5	-1.6402
9	3	Unbiased	599.6	597.82	-1.776
10	3	Unbiased	599.47	597.62	-1.8439
11	10	Biased	599.94	598.23	-1.7081
12	10	Biased	599.13	597.42	-1.7081
13	10	Biased	599.67	598.16	-1.5043
14	10	Biased	599.47	597.62	-1.8439
15	10	Biased	600.69	598.91	-1.7759
16	10	Unbiased	600.14	598.23	-1.9118
17	10	Unbiased	600.35	598.44	-1.9117
18	10	Unbiased	600.28	598.84	-1.4364
19	10	Unbiased	600.42	598.03	-2.3871
20	10	Unbiased	599.6	598.3	-1.3006
21	30	Biased	599.87	598.37	-1.5043
22	30	Biased	600.62	599.25	-1.3684
23	30	Biased	600.42	599.59	-0.8252
24	30	Biased	600.82	599.39	-1.4363
25	30	Biased	600.82	598.78	-2.0475
26	30	Unbiased	600.21	598.03	-2.1834
27	30	Unbiased	600.55	598.1	-2.455
28	30	Unbiased	598.65	596.6	-2.0478
29	30	Unbiased	600.55	599.32	-1.2326
30	30	Unbiased	598.79	597.28	-1.5043
31	50	Biased	600.35	598.71	-1.6401
32	50	Biased	600.08	598.37	-1.708
33	50	Biased	599.94	598.64	-1.3006
34	50	Biased	600.42	598.57	-1.8439
35	50	Biased	600.08	598.57	-1.5043
36	50	Unbiased	600.62	599.25	-1.3684
37	50	Unbiased	599.47	598.37	-1.0969
38	50	Unbiased	600.62	599.05	-1.5722
39	50	Unbiased	599.67	597.49	-2.1834
40	50	Unbiased	600.14	598.64	-1.5043
41	100	Biased	600.14	598.16	-1.9797
42	100	Biased	599.13	597.35	-1.776
43	100	Biased	599.6	597.89	-1.708
44	100	Biased	599.6	597.82	-1.776
45	100	Biased	598.99	597.55	-1.4365
46	100	Unbiased	600.28	598.3	-1.9797
47	100	Unbiased	600.62	598.84	-1.7759
48	100	Unbiased	600.35	599.05	-1.3006
49	100	Unbiased	599.26	597.62	-1.6402
50	100	Unbiased	599.87	597.35	-2.5229
51	0	Correlation	600.48	598.84	-1.6401
53	0	Correlation	601.03	599.25	-1.7758
54	0	Correlation	599.53	598.03	-1.5043
55	0	Correlation	598.17	596.81	-1.3686
56	0	Correlation	599.6	598.03	-1.5722

Test Statistics (mV)

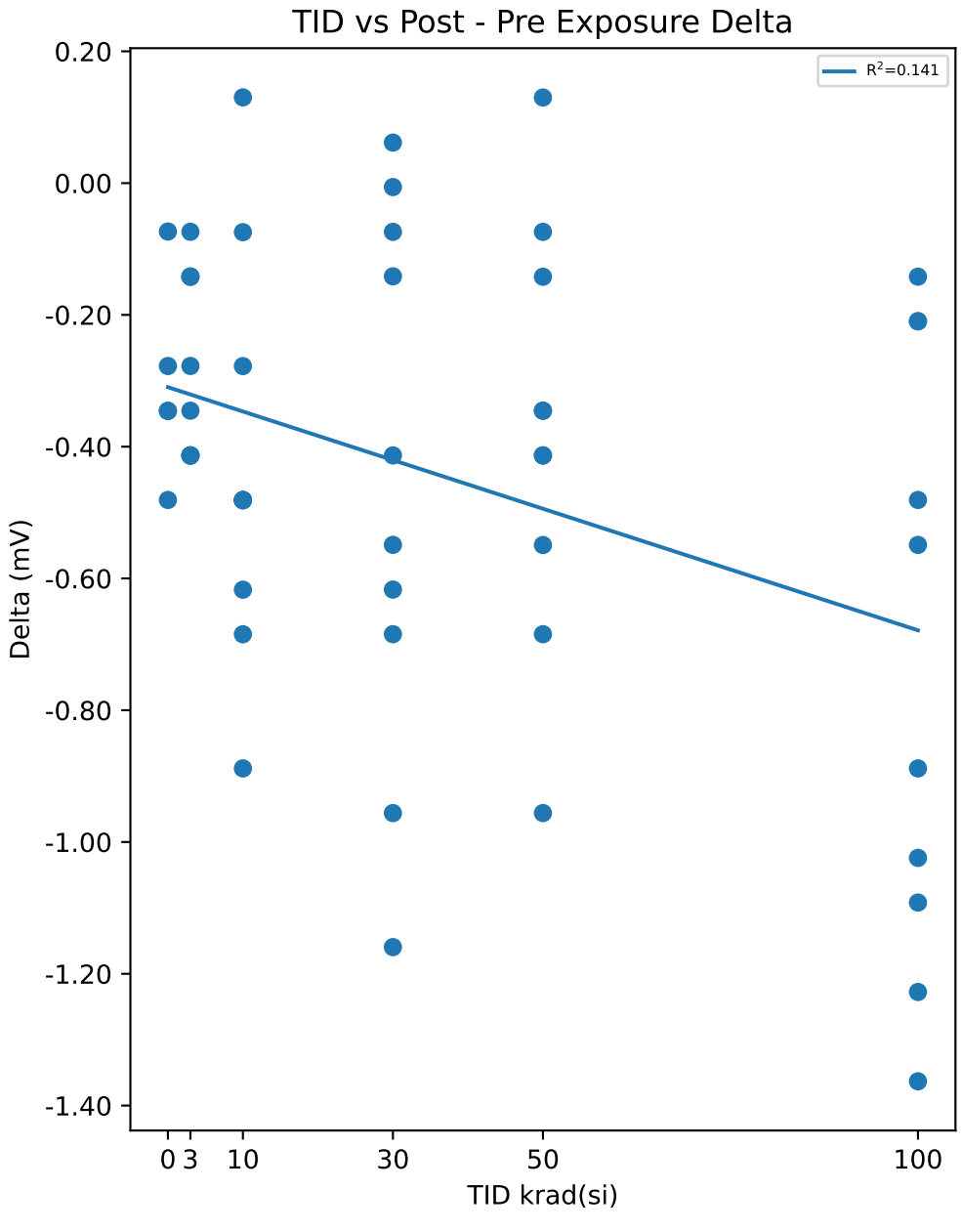
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	598.17	599.76	601.03	1.0861	596.81	598.19	599.25	0.93805	-1.7758	-1.5722	-1.3686	0.15176
3	599.47	600.1	601.23	0.60574	597.62	598.4	599.32	0.55376	-1.9117	-1.7012	-1.5043	0.12582
10	599.13	599.97	600.69	0.49198	597.42	598.22	598.91	0.467	-2.3871	-1.7488	-1.3006	0.30403
30	598.65	600.13	600.82	0.79629	596.6	598.47	599.59	0.98686	-2.455	-1.6605	-0.8252	0.50218
50	599.47	600.14	600.62	0.38072	597.49	598.57	599.25	0.46881	-2.1834	-1.5722	-1.0969	0.30201
100	598.99	599.78	600.62	0.55818	597.35	597.99	599.05	0.59223	-2.5229	-1.7896	-1.3006	0.33389

Device Test: 13.3; VTH_SENSE



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

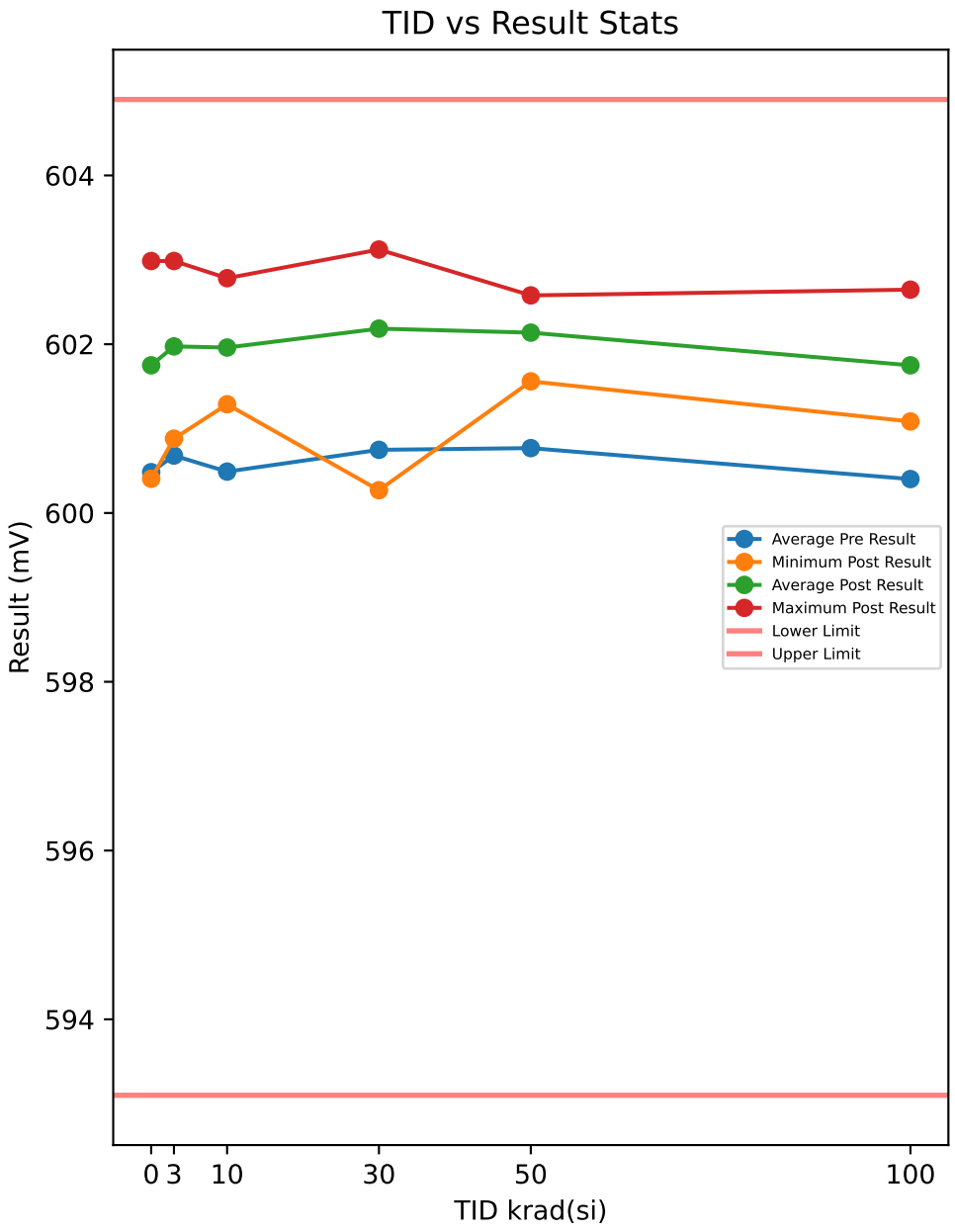
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.41	599.99	-0.4134
2	3	Biased	599.73	599.58	-0.1419
3	3	Biased	600.41	599.99	-0.4134
4	3	Biased	599.73	599.31	-0.4133
5	3	Biased	599.32	599.04	-0.2775
6	3	Unbiased	599.46	599.38	-0.0739
7	3	Unbiased	599.32	599.18	-0.1418
8	3	Unbiased	599.59	599.25	-0.3454
9	3	Unbiased	599.32	598.91	-0.4131
10	3	Unbiased	599.93	599.79	-0.142
11	10	Biased	600.61	600.13	-0.4814
12	10	Biased	599.05	598.57	-0.4809
13	10	Biased	599.66	599.18	-0.4812
14	10	Biased	599.79	599.11	-0.6847
15	10	Biased	600.41	599.79	-0.6171
16	10	Unbiased	599.59	599.11	-0.4811
17	10	Unbiased	600.2	599.92	-0.2777
18	10	Unbiased	601.02	600.94	-0.0745
19	10	Unbiased	599.86	598.97	-0.8883
20	10	Unbiased	598.23	598.36	0.1301
21	30	Biased	599.59	599.04	-0.549
22	30	Biased	600.41	600.47	0.0615
23	30	Biased	600.07	599.99	-0.074
24	30	Biased	599.73	599.31	-0.4133
25	30	Biased	600.13	599.52	-0.6169
26	30	Unbiased	599.79	598.84	-0.9561
27	30	Unbiased	599.46	598.3	-1.1595
28	30	Unbiased	599.52	598.84	-0.6846
29	30	Unbiased	599.39	599.38	-0.006
30	30	Unbiased	598.98	598.84	-0.1415
31	50	Biased	599.86	598.91	-0.9561
32	50	Biased	599.86	599.52	-0.3454
33	50	Biased	600.68	600.13	-0.5493
34	50	Biased	600.47	600.06	-0.4135
35	50	Biased	600.07	599.72	-0.3455
36	50	Unbiased	600.47	600.33	-0.1421
37	50	Unbiased	598.57	598.7	0.1299
38	50	Unbiased	599.73	599.65	-0.074
39	50	Unbiased	599.59	598.91	-0.6846
40	50	Unbiased	599.25	598.84	-0.4131
41	100	Biased	600.07	598.84	-1.2276
42	100	Biased	600.13	599.11	-1.0241
43	100	Biased	600.13	599.58	-0.5491
44	100	Biased	599.32	597.96	-1.3632
45	100	Biased	599.05	598.57	-0.4809
46	100	Unbiased	599.73	598.84	-0.8883
47	100	Unbiased	599.93	599.72	-0.2098
48	100	Unbiased	599.93	599.79	-0.142
49	100	Unbiased	599.25	599.04	-0.2096
50	100	Unbiased	599.93	598.84	-1.0919
51	0	Correlation	600.07	599.72	-0.3455
53	0	Correlation	601.08	600.74	-0.3459
54	0	Correlation	599.39	598.91	-0.4809
55	0	Correlation	598.44	598.36	-0.0735
56	0	Correlation	599.73	599.45	-0.2776

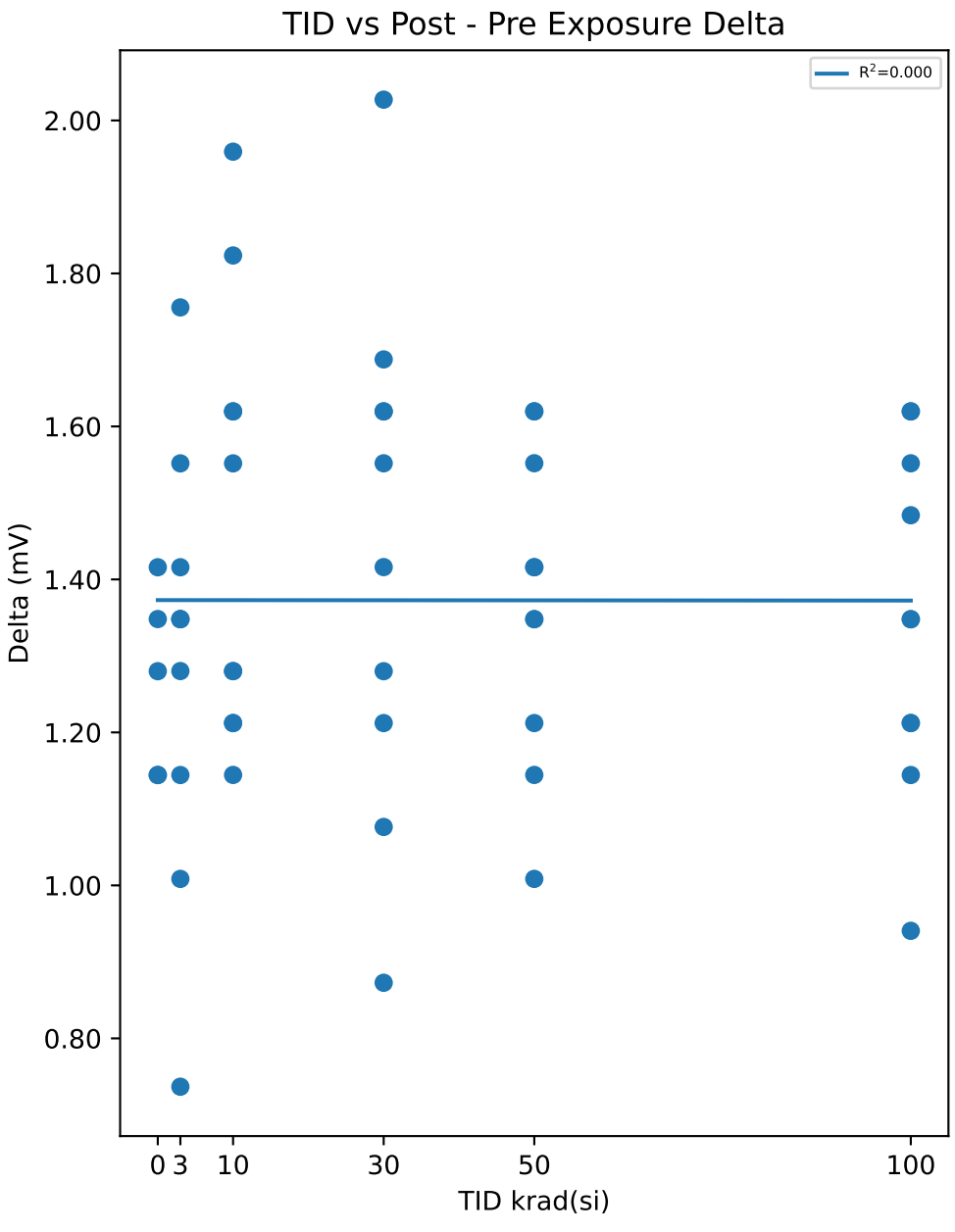


Test Statistics (mV)

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	598.44	599.74	601.08	0.96645	598.36	599.44	600.74	0.8956	-0.4809	-0.30468	-0.0735	0.14883
3	599.32	599.72	600.41	0.41528	598.91	599.44	599.99	0.38313	-0.4134	-0.27757	-0.0739	0.13944
10	598.23	599.84	601.02	0.79809	598.36	599.41	600.94	0.78171	-0.8883	-0.43368	0.1301	0.29506
30	598.98	599.71	600.41	0.41482	598.3	599.25	600.47	0.63125	-1.1595	-0.45394	0.0615	0.41483
50	598.57	599.86	600.68	0.63066	598.7	599.48	600.33	0.60031	-0.9561	-0.37937	0.1299	0.31058
100	599.05	599.75	600.13	0.39716	597.96	599.03	599.79	0.56211	-1.3632	-0.71865	-0.142	0.45604

Device Test: 13.30; VTH_SENSE





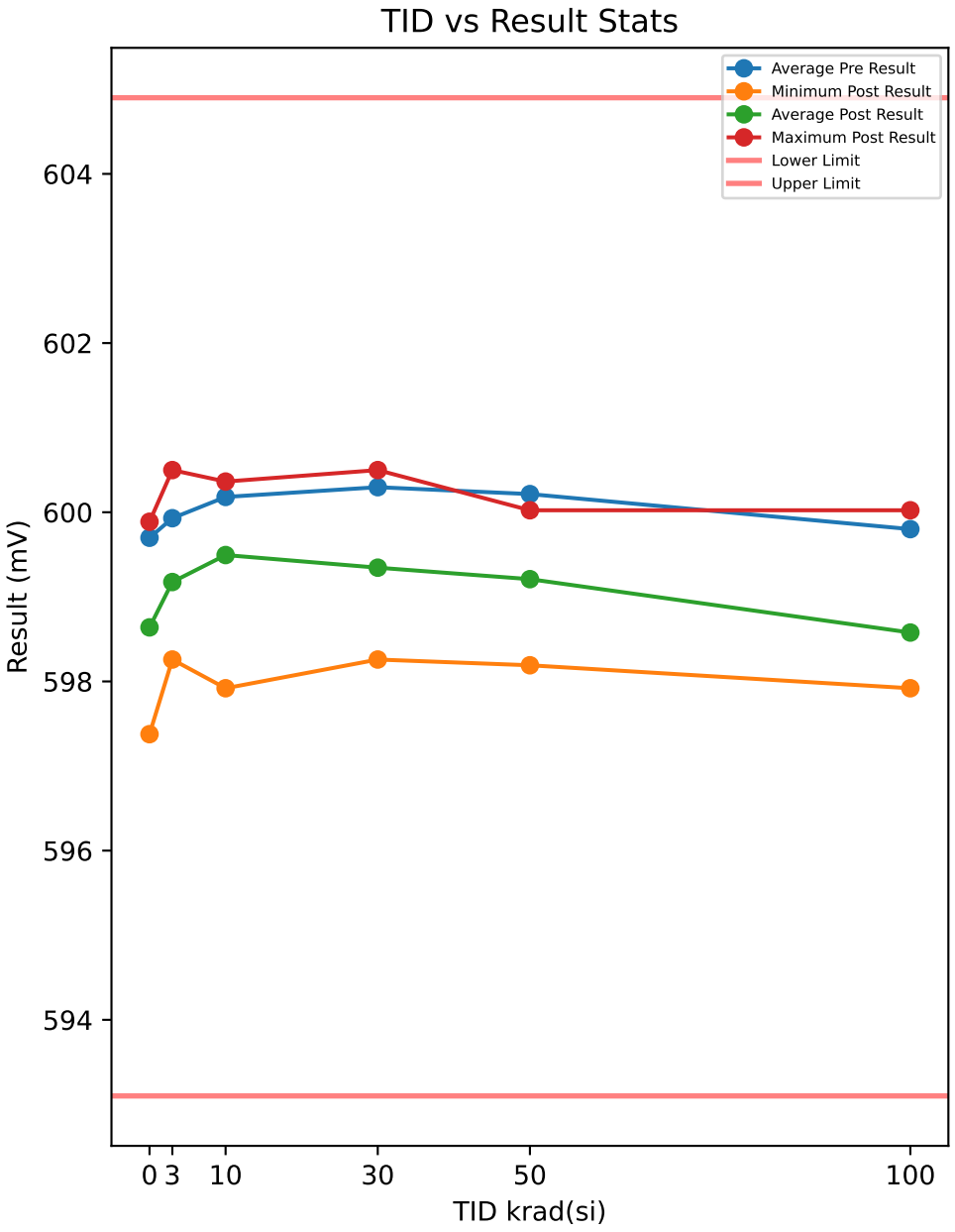
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

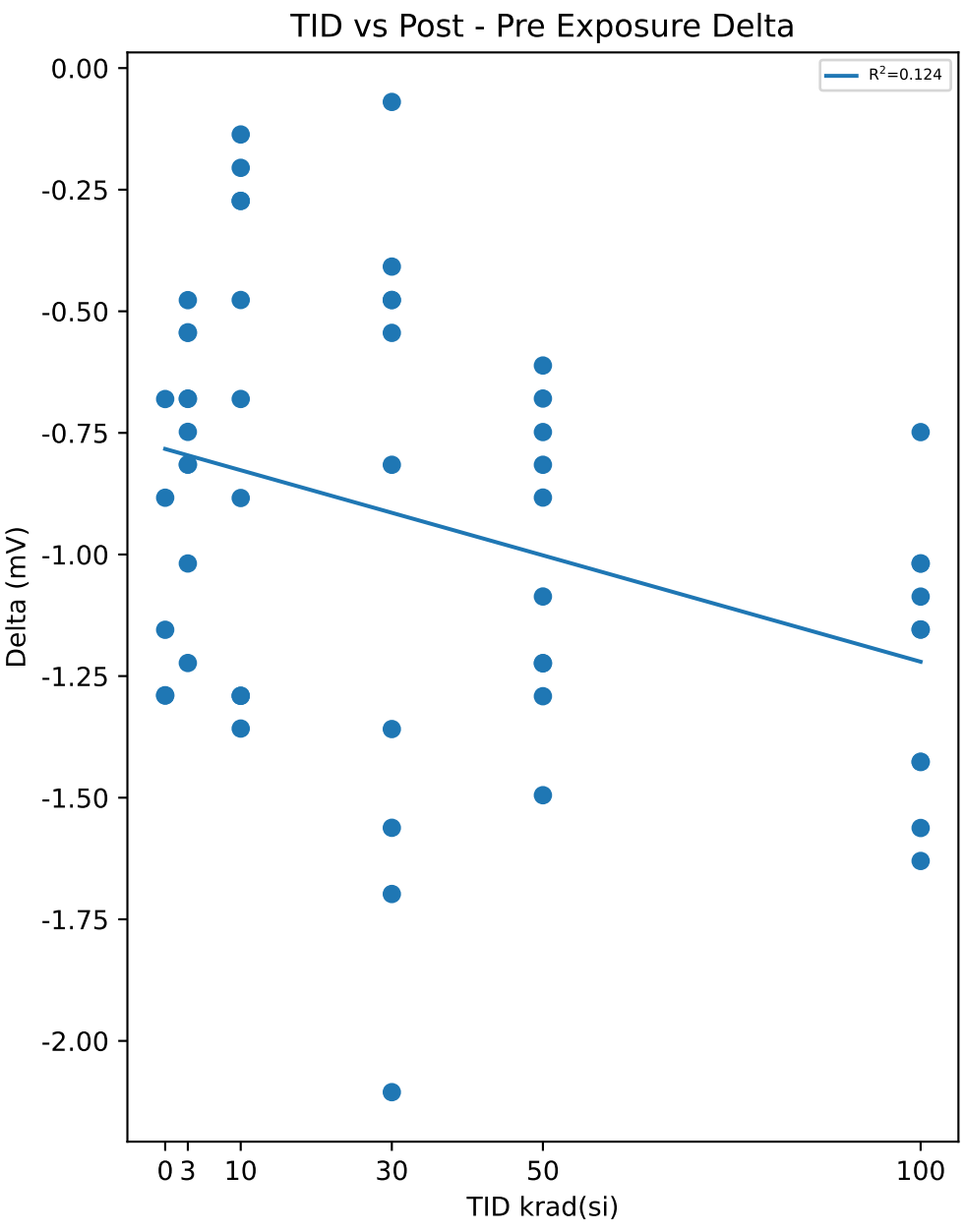
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	601.5	602.78	1.2802
2	3	Biased	601.64	602.99	1.3481
3	3	Biased	601.09	602.85	1.7556
4	3	Biased	600.89	602.24	1.3481
5	3	Biased	599.87	601.22	1.348
6	3	Unbiased	600.21	601.76	1.5517
7	3	Unbiased	600.28	601.7	1.4159
8	3	Unbiased	600.76	601.76	1.0085
9	3	Unbiased	600.42	601.56	1.1443
10	3	Unbiased	600.14	600.88	0.7368
11	10	Biased	600.42	601.7	1.2801
12	10	Biased	599.74	601.29	1.5517
13	10	Biased	600.14	601.76	1.6196
14	10	Biased	600.01	601.29	1.2801
15	10	Biased	601.23	602.44	1.2122
16	10	Unbiased	600.55	601.76	1.2122
17	10	Unbiased	600.96	602.58	1.6197
18	10	Unbiased	600.96	602.78	1.8235
19	10	Unbiased	600.82	601.97	1.1444
20	10	Unbiased	600.08	602.04	1.9592
21	30	Biased	600.62	602.17	1.5518
22	30	Biased	601.37	602.78	1.4161
23	30	Biased	601.09	603.12	2.0272
24	30	Biased	601.5	602.58	1.0764
25	30	Biased	601.3	602.92	1.6197
26	30	Unbiased	600.82	602.04	1.2122
27	30	Unbiased	601.16	602.04	0.8727
28	30	Unbiased	598.99	600.27	1.28
29	30	Unbiased	601.23	602.92	1.6876
30	30	Unbiased	599.4	601.02	1.6196
31	50	Biased	601.09	602.24	1.1444
32	50	Biased	600.69	602.04	1.348
33	50	Biased	600.89	602.1	1.2122
34	50	Biased	600.96	602.51	1.5519
35	50	Biased	600.62	602.24	1.6197
36	50	Unbiased	601.16	602.58	1.416
37	50	Unbiased	600.14	601.56	1.4159
38	50	Unbiased	601.23	602.58	1.348
39	50	Unbiased	600.08	601.7	1.6197
40	50	Unbiased	600.82	601.83	1.0085
41	100	Biased	600.76	601.9	1.1443
42	100	Biased	599.87	601.08	1.2122
43	100	Biased	600.21	601.56	1.348
44	100	Biased	600.14	601.49	1.3479
45	100	Biased	599.6	601.22	1.6196
46	100	Unbiased	600.69	602.24	1.5518
47	100	Unbiased	601.16	602.65	1.4839
48	100	Unbiased	601.09	602.31	1.2123
49	100	Unbiased	600.01	601.63	1.6197
50	100	Unbiased	600.48	601.42	0.9406
51	0	Correlation	601.16	602.51	1.3482
53	0	Correlation	601.84	602.99	1.1444
54	0	Correlation	600.21	601.36	1.1442
55	0	Correlation	599.13	600.41	1.28
56	0	Correlation	600.08	601.49	1.4159

Test Statistics (mV)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	599.13	600.48	601.84	1.0476	600.41	601.75	602.99	1.0169	1.1442	1.2665	1.4159	0.12149
3	599.87	600.68	601.64	0.59668	600.88	601.97	602.99	0.71617	0.7368	1.2937	1.7556	0.28239
10	599.74	600.49	601.23	0.49432	601.29	601.96	602.78	0.51067	1.1444	1.4703	1.9592	0.28418
30	598.99	600.75	601.5	0.86396	600.27	602.18	603.12	0.91549	0.8727	1.4363	2.0272	0.33584
50	600.08	600.77	601.23	0.39828	601.56	602.14	602.58	0.36254	1.0085	1.3684	1.6197	0.2026
100	599.6	600.4	601.16	0.52188	601.08	601.75	602.65	0.50799	0.9406	1.348	1.6197	0.22408

Device Test: 13.31; VTH_SENSE





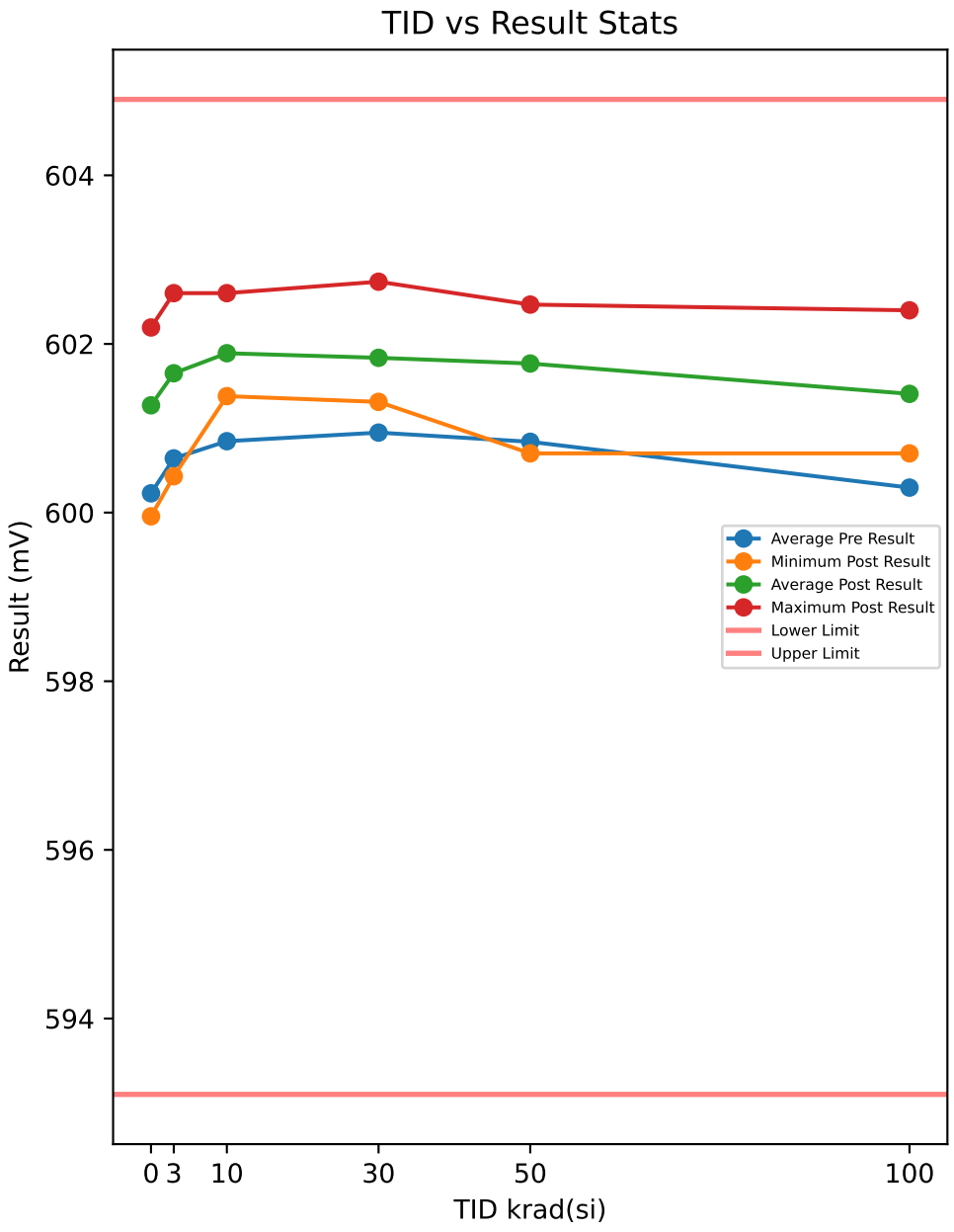
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

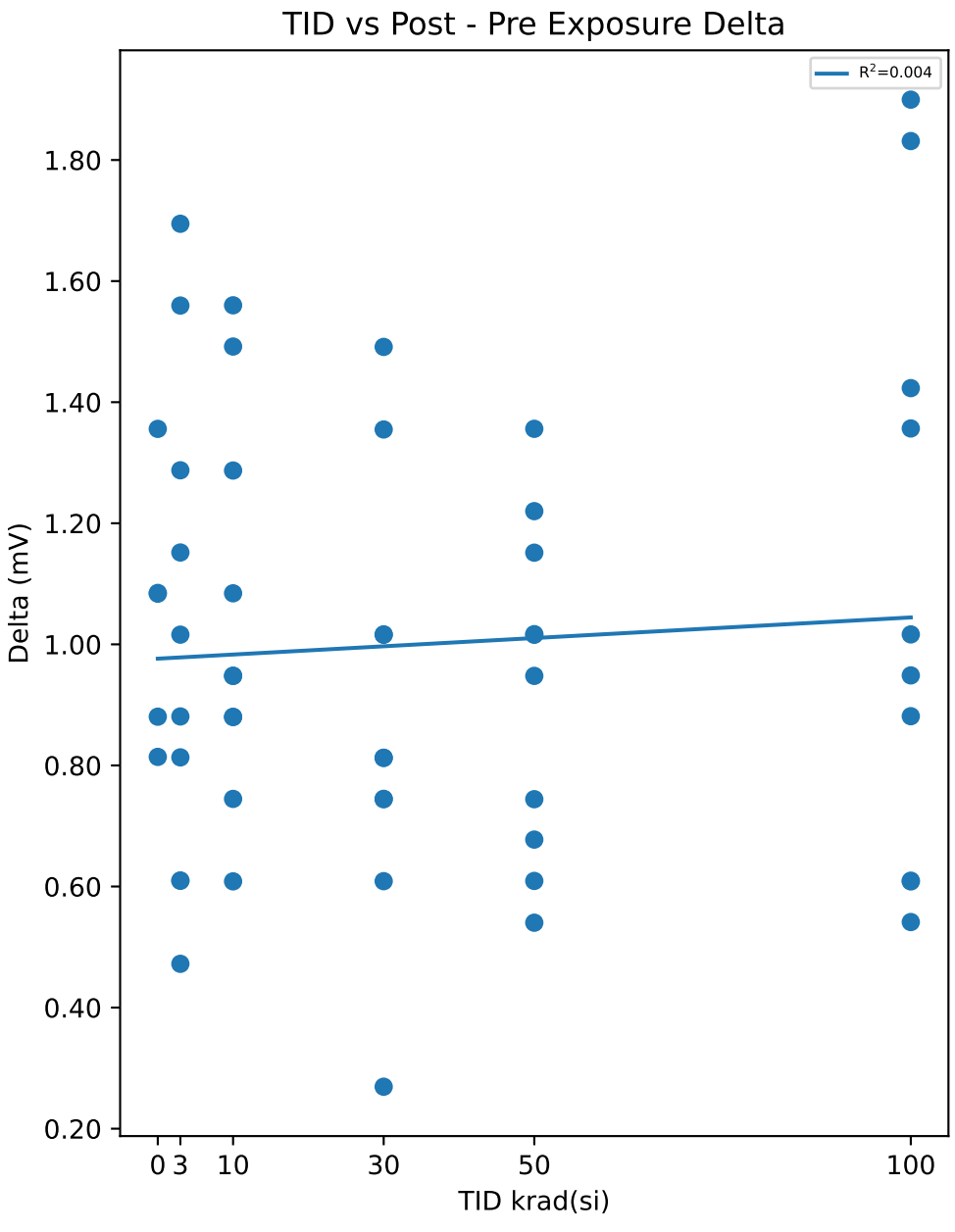
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.36	599.14	-1.2231
2	3	Biased	600.98	600.5	-0.4771
3	3	Biased	600.43	599.89	-0.5445
4	3	Biased	600.36	599.68	-0.6802
5	3	Biased	599.55	598.73	-0.8151
6	3	Unbiased	599.07	598.53	-0.5432
7	3	Unbiased	599.48	598.8	-0.6794
8	3	Unbiased	599.28	598.26	-1.0185
9	3	Unbiased	600.16	599.41	-0.7479
10	3	Unbiased	599.62	598.8	-0.8152
11	10	Biased	600.43	599.75	-0.6803
12	10	Biased	599.96	598.67	-1.2905
13	10	Biased	600.43	600.16	-0.273
14	10	Biased	599.28	597.92	-1.3579
15	10	Biased	600.7	600.23	-0.4768
16	10	Unbiased	600.02	598.73	-1.2906
17	10	Unbiased	600.64	600.36	-0.2731
18	10	Unbiased	600.36	600.16	-0.2051
19	10	Unbiased	600.43	599.55	-0.8839
20	10	Unbiased	599.55	599.41	-0.1365
21	30	Biased	599.75	599.34	-0.4081
22	30	Biased	600.57	600.5	-0.0696
23	30	Biased	600.84	600.36	-0.4769
24	30	Biased	600.57	600.09	-0.4768
25	30	Biased	599.82	598.26	-1.5619
26	30	Unbiased	600.5	599.14	-1.3589
27	30	Unbiased	600.36	598.26	-2.1054
28	30	Unbiased	600.16	598.46	-1.698
29	30	Unbiased	600.3	599.75	-0.5444
30	30	Unbiased	600.09	599.28	-0.8156
31	50	Biased	599.62	598.73	-0.883
32	50	Biased	600.84	599.55	-1.2914
33	50	Biased	600.7	599.21	-1.4949
34	50	Biased	601.25	600.02	-1.2239
35	50	Biased	600.5	599.28	-1.2232
36	50	Unbiased	600.7	599.96	-0.7483
37	50	Unbiased	599.55	598.94	-0.6115
38	50	Unbiased	600.09	599.28	-0.8156
39	50	Unbiased	599.28	598.19	-1.0864
40	50	Unbiased	599.62	598.94	-0.6794
41	100	Biased	599.75	598.33	-1.4261
42	100	Biased	600.36	598.94	-1.4267
43	100	Biased	599.75	598.73	-1.0188
44	100	Biased	599.55	598.46	-1.0866
45	100	Biased	599.21	598.06	-1.1542
46	100	Unbiased	599.35	598.19	-1.1543
47	100	Unbiased	600.16	598.53	-1.6301
48	100	Unbiased	600.77	600.02	-0.7484
49	100	Unbiased	598.94	597.92	-1.0182
50	100	Unbiased	600.16	598.6	-1.5623
51	0	Correlation	600.57	599.89	-0.6804
53	0	Correlation	599.96	598.8	-1.1548
54	0	Correlation	599.89	599.01	-0.8833
55	0	Correlation	598.67	597.38	-1.2894
56	0	Correlation	599.41	598.12	-1.2901

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	598.67	599.7	600.57	0.70825	597.38	598.64	599.89	0.94602	-1.2901	-1.0596	-0.6804	0.2692
3	599.07	599.93	600.98	0.61279	598.26	599.18	600.5	0.69155	-1.2231	-0.75442	-0.4771	0.22938
10	599.28	600.18	600.7	0.47068	597.92	599.49	600.36	0.81618	-1.3579	-0.68677	-0.1365	0.48758
30	599.75	600.3	600.84	0.34491	598.26	599.34	600.5	0.83488	-2.1054	-0.95156	-0.0696	0.67783
50	599.28	600.21	601.25	0.67231	598.19	599.21	600.02	0.5532	-1.4949	-1.0058	-0.6115	0.29846
100	598.94	599.8	600.77	0.5666	597.92	598.58	600.02	0.5943	-1.6301	-1.2226	-0.7484	0.27899

Device Test: 13.32; VTH_SENSE





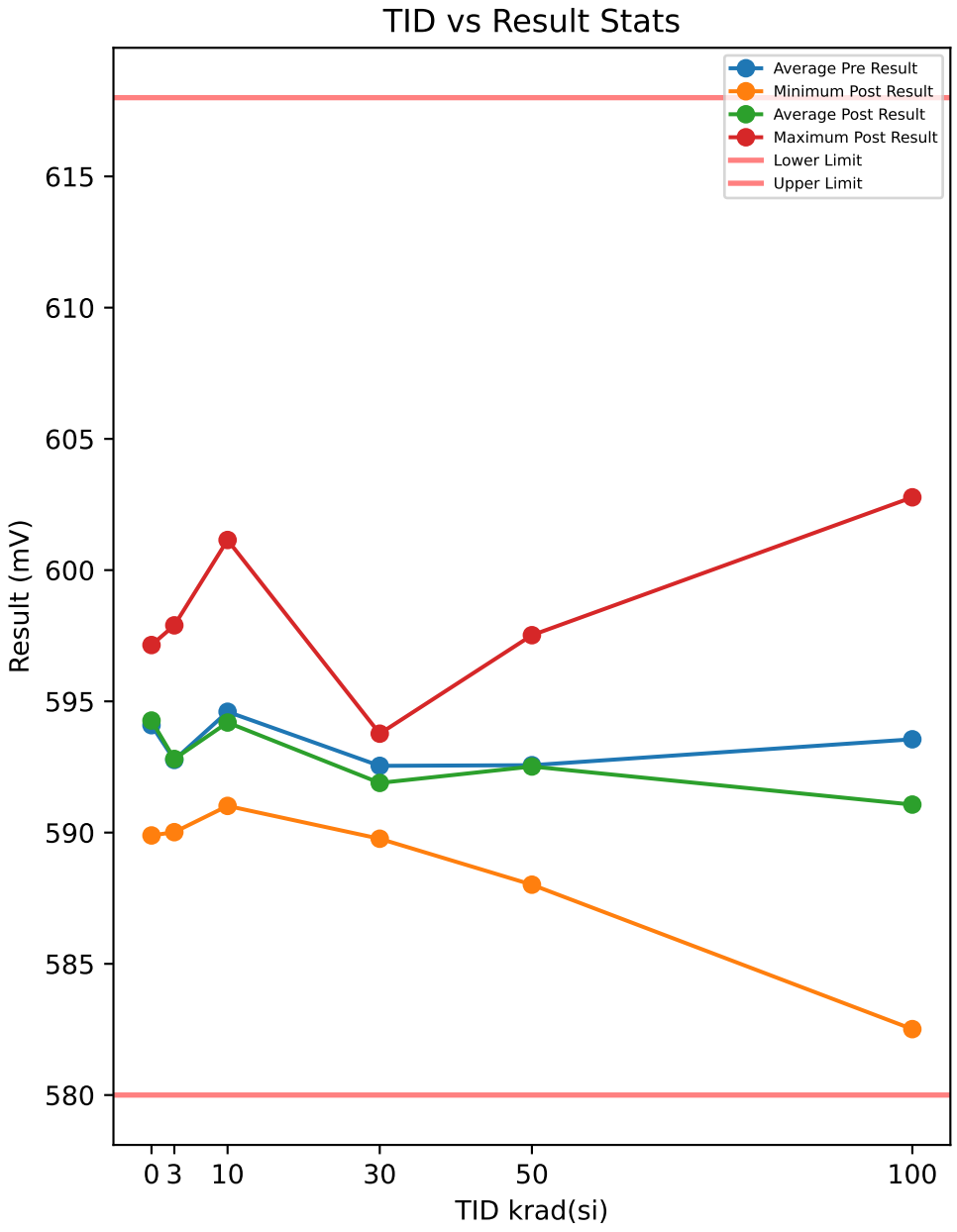
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

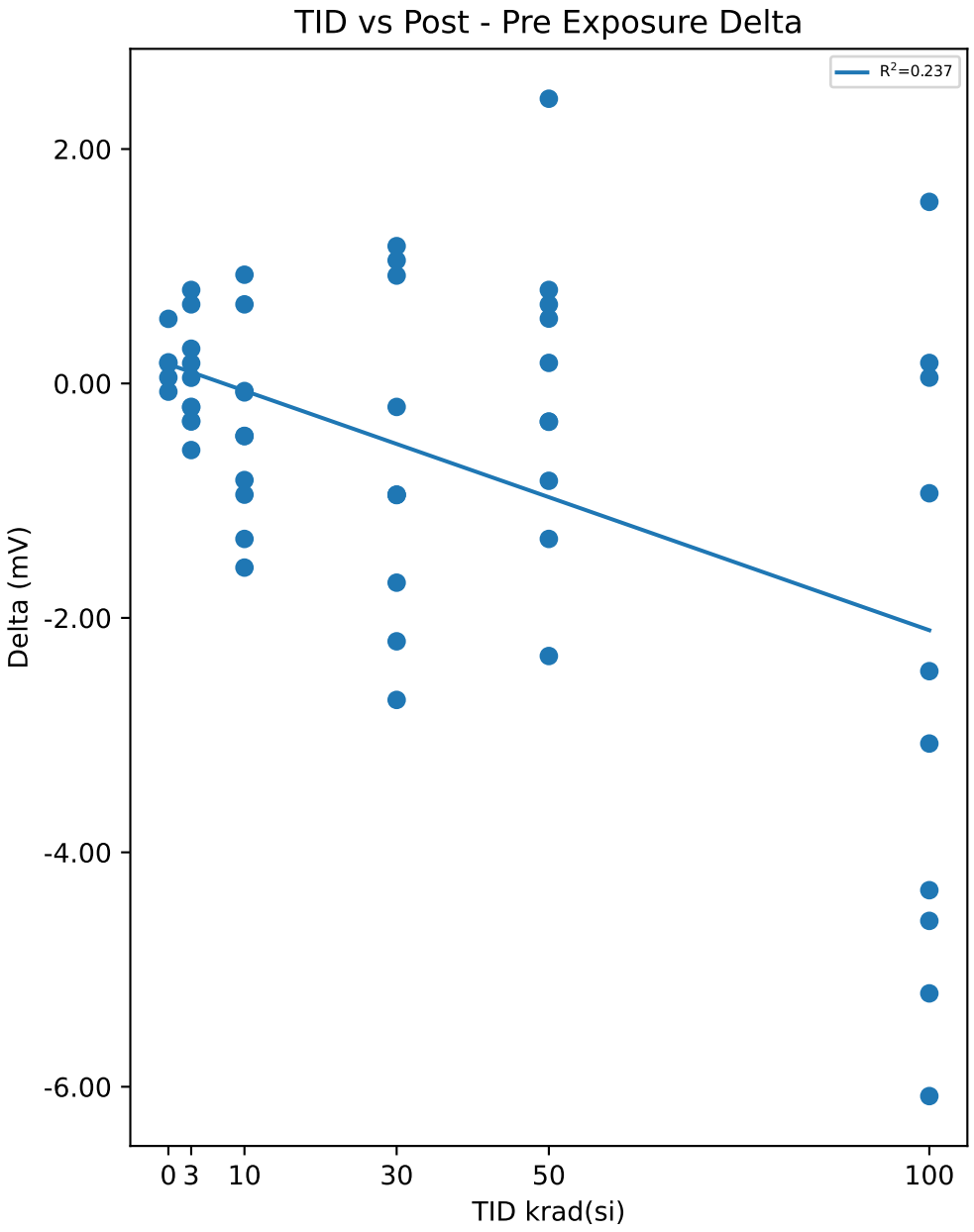
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	601.04	602.06	1.016
2	3	Biased	601.86	602.33	0.4723
3	3	Biased	601.04	602.33	1.2875
4	3	Biased	601.04	602.2	1.1517
5	3	Biased	600.16	601.04	0.8809
6	3	Unbiased	599.82	600.43	0.6099
7	3	Unbiased	600.3	601.86	1.5596
8	3	Unbiased	600.02	600.84	0.8133
9	3	Unbiased	600.91	602.6	1.6947
10	3	Unbiased	600.23	600.84	0.6095
11	10	Biased	601.25	602.13	0.8801
12	10	Biased	600.5	601.58	1.0843
13	10	Biased	601.04	601.99	0.9481
14	10	Biased	599.82	601.38	1.56
15	10	Biased	601.32	602.6	1.2871
16	10	Unbiased	600.77	601.52	0.7447
17	10	Unbiased	601.25	602.2	0.9479
18	10	Unbiased	601.11	601.99	0.8801
19	10	Unbiased	601.32	601.92	0.6085
20	10	Unbiased	600.09	601.58	1.4919
21	30	Biased	600.36	601.38	1.0165
22	30	Biased	601.32	602.33	1.0157
23	30	Biased	601.38	602.74	1.3549
24	30	Biased	601.38	602.13	0.7442
25	30	Biased	600.57	601.31	0.7448
26	30	Unbiased	601.04	601.65	0.6088
27	30	Unbiased	601.11	601.38	0.2693
28	30	Unbiased	600.57	601.38	0.8127
29	30	Unbiased	600.98	601.79	0.8124
30	30	Unbiased	600.77	602.26	1.4913
31	50	Biased	600.43	601.04	0.6092
32	50	Biased	601.32	602.47	1.1514
33	50	Biased	601.25	602.2	0.9479
34	50	Biased	601.79	602.33	0.5402
35	50	Biased	601.25	602.26	1.0158
36	50	Unbiased	601.38	602.13	0.7442
37	50	Unbiased	600.23	601.58	1.356
38	50	Unbiased	600.64	601.86	1.22
39	50	Unbiased	600.02	600.7	0.6775
40	50	Unbiased	600.09	601.11	1.0168
41	100	Biased	600.3	601.25	0.9487
42	100	Biased	600.98	602.4	1.4232
43	100	Biased	600.09	601.92	1.8313
44	100	Biased	600.09	600.7	0.6096
45	100	Biased	599.55	600.91	1.3566
46	100	Unbiased	599.96	600.84	0.8813
47	100	Unbiased	600.64	601.65	1.0164
48	100	Unbiased	601.45	602.06	0.6084
49	100	Unbiased	599.41	601.31	1.8997
50	100	Unbiased	600.5	601.04	0.5413
51	0	Correlation	601.11	602.2	1.0837
53	0	Correlation	600.7	601.58	0.8805
54	0	Correlation	600.36	601.72	1.3559
55	0	Correlation	599.14	599.96	0.8141
56	0	Correlation	599.82	600.91	1.0849

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	600.23	601.11	0.77005	599.96	601.27	602.2	0.8686	0.8141	1.0438	1.3559	0.2122
3	599.82	600.64	601.86	0.63355	600.43	601.65	602.6	0.78301	0.4723	1.0095	1.6947	0.41271
10	599.82	600.85	601.32	0.53914	601.38	601.89	602.6	0.37481	0.6085	1.0433	1.56	0.31251
30	600.36	600.95	601.38	0.36678	601.31	601.84	602.74	0.50083	0.2693	0.88706	1.4913	0.35404
50	600.02	600.84	601.79	0.62915	600.7	601.77	602.47	0.62373	0.5402	0.9279	1.356	0.27546
100	599.41	600.3	601.45	0.62259	600.7	601.41	602.4	0.57518	0.5413	1.1117	1.8997	0.49613

Device Test: 13.33; VTH_SR_UVLO_RISE





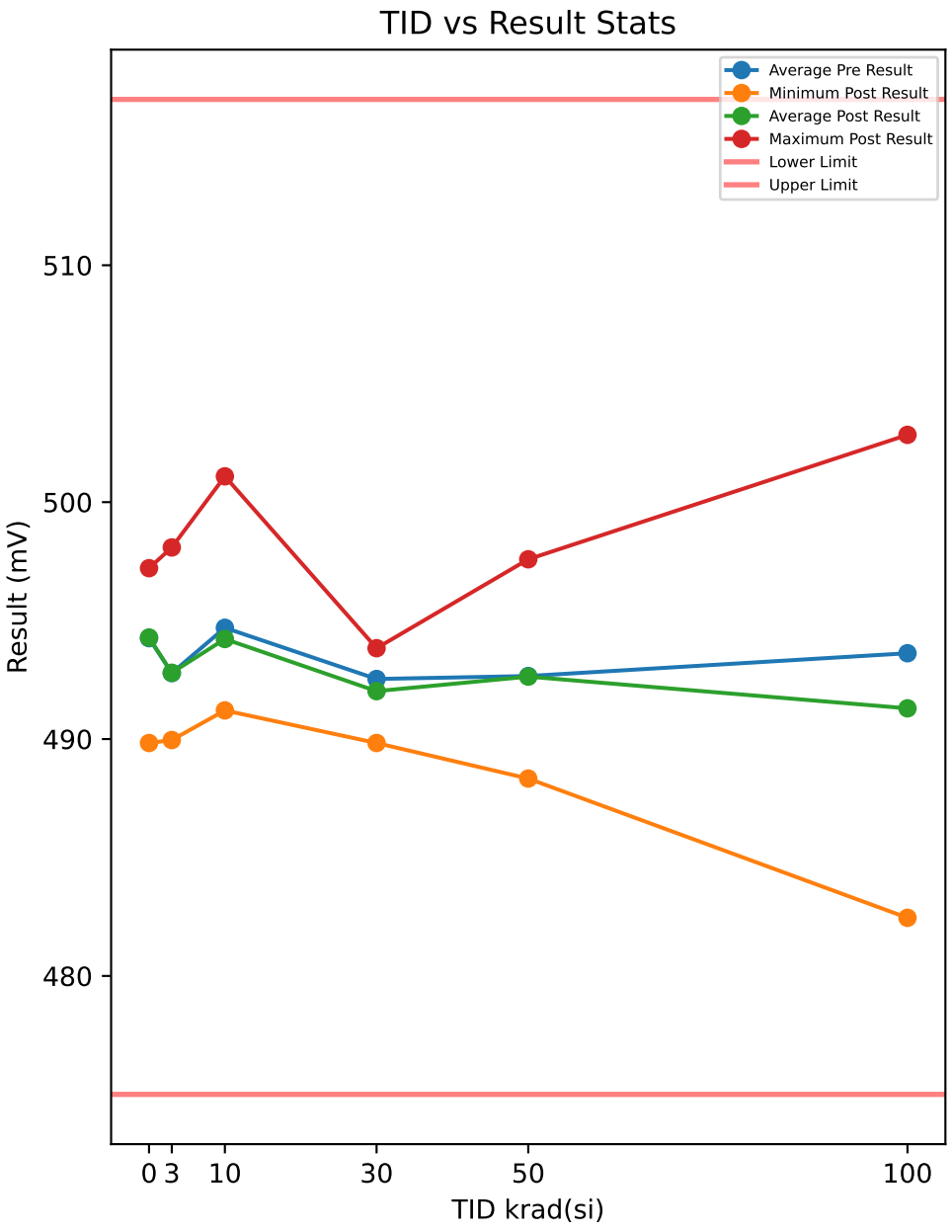
Test Results (Lower Limit = 580.0, Upper Limit = 618.0 (mV))

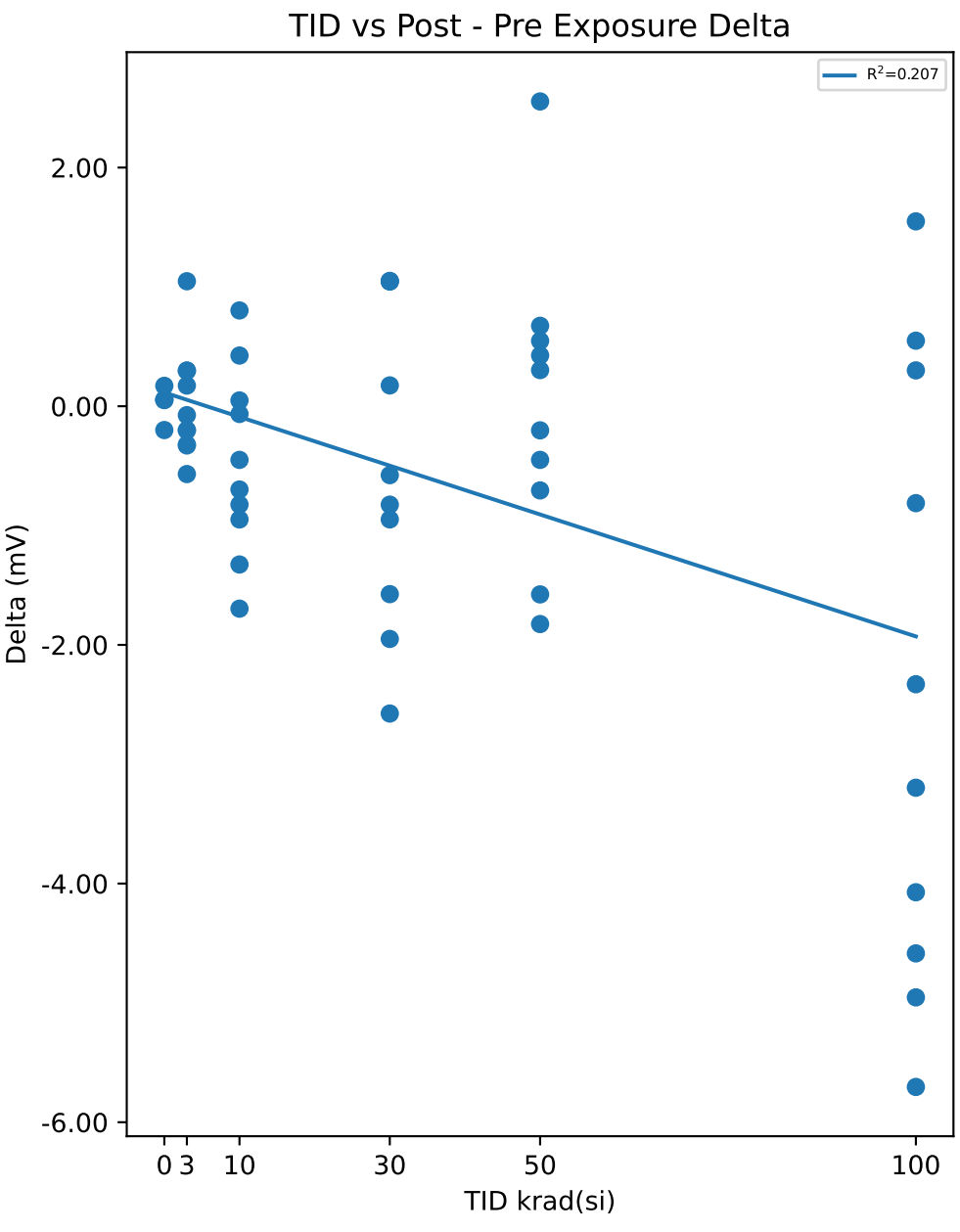
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	596.34	596.02	-0.3207
2	3	Biased	590.22	590.02	-0.2033
3	3	Biased	591.09	591.27	0.1729
4	3	Biased	593.59	593.27	-0.3242
5	3	Biased	598.46	597.9	-0.5682
6	3	Unbiased	590.72	591.52	0.7979
7	3	Unbiased	593.22	593.02	-0.1996
8	3	Unbiased	589.84	590.14	0.2965
9	3	Unbiased	591.72	591.77	0.0487
10	3	Unbiased	592.47	593.14	0.675
11	10	Biased	593.84	593.02	-0.8241
12	10	Biased	593.34	592.89	-0.4495
13	10	Biased	594.34	593.39	-0.9486
14	10	Biased	592.34	591.02	-1.3263
15	10	Biased	595.22	594.77	-0.4472
16	10	Unbiased	592.34	593.02	0.6749
17	10	Unbiased	601.21	601.15	-0.0646
18	10	Unbiased	594.72	595.64	0.9278
19	10	Unbiased	596.84	595.27	-1.5709
20	10	Unbiased	591.84	591.77	-0.0763
21	30	Biased	594.09	592.39	-1.6994
22	30	Biased	594.72	593.77	-0.9482
23	30	Biased	594.22	591.52	-2.6997
24	30	Biased	593.97	591.77	-2.1998
25	30	Biased	591.47	590.52	-0.9522
26	30	Unbiased	592.47	593.52	1.0502
27	30	Unbiased	592.84	592.64	-0.2001
28	30	Unbiased	593.22	592.27	-0.9501
29	30	Unbiased	588.85	589.77	0.9205
30	30	Unbiased	589.59	590.77	1.1717
31	50	Biased	593.72	591.39	-2.3252
32	50	Biased	588.85	588.01	-0.8305
33	50	Biased	591.34	591.02	-0.327
34	50	Biased	591.72	592.39	0.6741
35	50	Biased	593.22	592.89	-0.3247
36	50	Unbiased	590.84	591.64	0.7981
37	50	Unbiased	595.22	595.77	0.5533
38	50	Unbiased	592.47	591.14	-1.3262
39	50	Unbiased	593.22	593.39	0.1756
40	50	Unbiased	595.09	597.52	2.4294
41	100	Biased	592.34	587.14	-5.2035
42	100	Biased	587.1	582.51	-4.5848
43	100	Biased	596.59	593.52	-3.072
44	100	Biased	591.84	585.76	-6.0797
45	100	Biased	596.34	592.02	-4.3231
46	100	Unbiased	590.47	588.01	-2.4544
47	100	Unbiased	592.97	593.14	0.1753
48	100	Unbiased	603.71	602.77	-0.9368
49	100	Unbiased	591.59	593.14	1.5494
50	100	Unbiased	592.59	592.64	0.0497
51	0	Correlation	596.96	597.15	0.1803
53	0	Correlation	593.72	594.27	0.5515
54	0	Correlation	596.96	596.89	-0.0698
55	0	Correlation	593.09	593.14	0.0504
56	0	Correlation	589.72	589.89	0.1712

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	589.72	594.09	596.96	3.0316	589.89	594.27	597.15	2.9835	-0.0698	0.17672	0.5515	0.23304
3	589.84	592.77	598.46	2.7753	590.02	592.81	597.9	2.5077	-0.5682	0.0375	0.7979	0.4485
10	591.84	594.6	601.21	2.7717	591.02	594.19	601.15	2.8485	-1.5709	-0.41048	0.9278	0.80617
30	588.85	592.54	594.72	2.0006	589.77	591.89	593.77	1.2891	-2.6997	-0.65071	1.1717	1.3684
50	588.85	592.57	595.22	1.9608	588.01	592.52	597.52	2.6453	-2.3252	-0.05031	2.4294	1.3069
100	587.1	593.55	603.71	4.4827	582.51	591.07	602.77	5.5888	-6.0797	-2.488	1.5494	2.5953

Device Test: 13.34; VTH_SR_UVLO_FALL





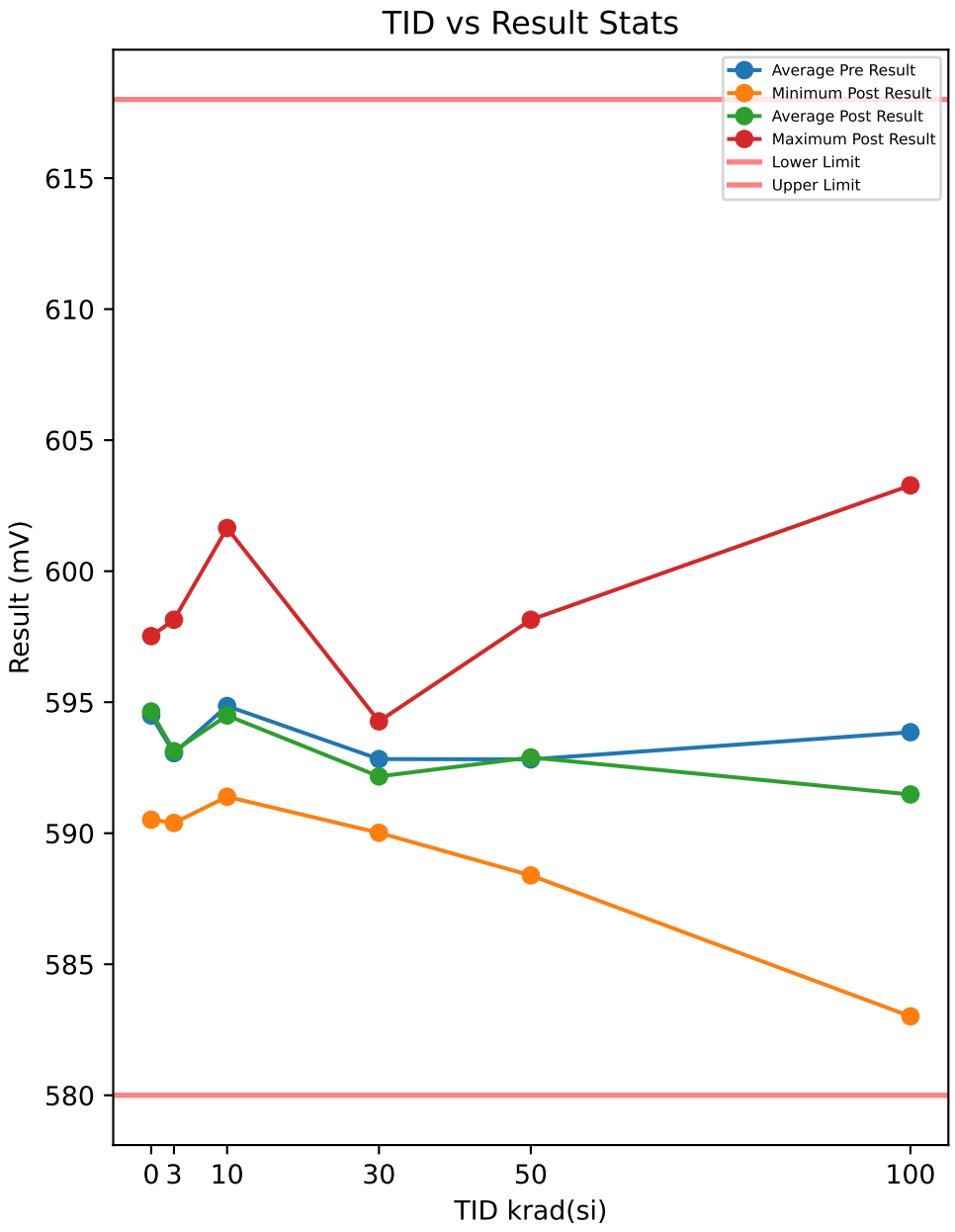
Test Results (Lower Limit = 475.0, Upper Limit = 517.0 (mV))

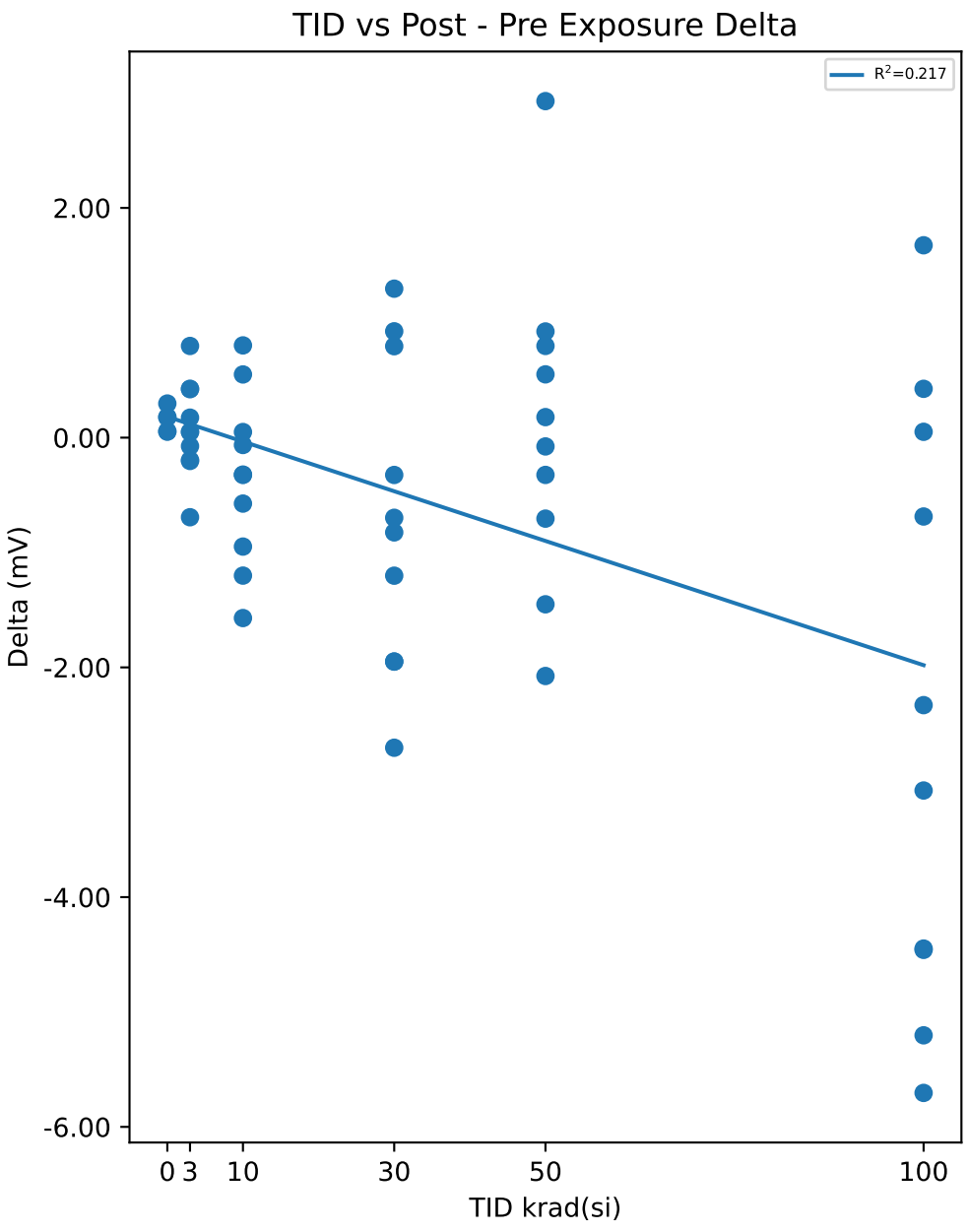
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	496.41	496.09	-0.3209
2	3	Biased	490.29	489.96	-0.3286
3	3	Biased	491.16	490.96	-0.2024
4	3	Biased	493.41	493.21	-0.1996
5	3	Biased	498.66	498.09	-0.5683
6	3	Unbiased	490.41	491.46	1.0474
7	3	Unbiased	493.28	493.21	-0.0747
8	3	Unbiased	489.91	490.21	0.2963
9	3	Unbiased	491.54	491.71	0.1733
10	3	Unbiased	492.79	493.08	0.2998
11	10	Biased	494.03	493.21	-0.8242
12	10	Biased	493.53	493.08	-0.4496
13	10	Biased	494.41	493.46	-0.9488
14	10	Biased	492.54	491.21	-1.3263
15	10	Biased	495.16	494.46	-0.6978
16	10	Unbiased	492.66	493.08	0.4248
17	10	Unbiased	501.15	501.09	-0.0649
18	10	Unbiased	494.78	495.59	0.8027
19	10	Unbiased	496.78	495.09	-1.6963
20	10	Unbiased	491.91	491.96	0.0486
21	30	Biased	494.03	492.46	-1.5746
22	30	Biased	494.78	493.84	-0.9483
23	30	Biased	494.03	491.46	-2.5752
24	30	Biased	493.91	491.96	-1.95
25	30	Biased	491.29	490.71	-0.5775
26	30	Unbiased	492.66	493.71	1.0502
27	30	Unbiased	492.54	492.71	0.1745
28	30	Unbiased	493.41	492.58	-0.8249
29	30	Unbiased	488.79	489.83	1.0453
30	30	Unbiased	489.91	490.96	1.0467
31	50	Biased	493.53	491.71	-1.8253
32	50	Biased	489.04	488.33	-0.7054
33	50	Biased	491.41	491.21	-0.2021
34	50	Biased	491.91	492.58	0.674
35	50	Biased	493.53	493.08	-0.4496
36	50	Unbiased	491.04	491.58	0.5479
37	50	Unbiased	495.28	495.59	0.303
38	50	Unbiased	492.29	490.71	-1.5768
39	50	Unbiased	493.53	493.96	0.426
40	50	Unbiased	495.03	497.59	2.5541
41	100	Biased	492.29	487.33	-4.9538
42	100	Biased	487.04	482.45	-4.5852
43	100	Biased	496.91	493.71	-3.197
44	100	Biased	492.16	486.46	-5.7044
45	100	Biased	496.53	492.46	-4.0729
46	100	Unbiased	490.54	488.21	-2.3295
47	100	Unbiased	493.16	493.46	0.3004
48	100	Unbiased	503.65	502.84	-0.8121
49	100	Unbiased	491.66	493.21	1.5492
50	100	Unbiased	492.29	492.83	0.5494
51	0	Correlation	497.16	497.21	0.0553
53	0	Correlation	493.91	493.96	0.0512
54	0	Correlation	497.16	497.21	0.0553
55	0	Correlation	493.41	493.21	-0.1996
56	0	Correlation	489.66	489.83	0.1709

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	489.66	494.26	497.16	3.1134	489.83	494.29	497.21	3.0911	-0.1996	0.02662	0.1709	0.13624
3	489.91	492.78	498.66	2.8394	489.96	492.8	498.09	2.5896	-0.5683	0.01223	1.0474	0.46231
10	491.91	494.7	501.15	2.6818	491.21	494.22	501.09	2.7531	-1.6963	-0.47318	0.8027	0.78156
30	488.79	492.54	494.78	1.9636	489.83	492.02	493.84	1.2948	-2.5752	-0.51338	1.0502	1.3129
50	489.04	492.66	495.28	1.9099	488.33	492.63	497.59	2.6124	-1.8253	-0.02542	2.5541	1.2518
100	487.04	493.62	503.65	4.5031	482.45	491.3	502.84	5.5582	-5.7044	-2.3256	1.5492	2.5757

Device Test: 13.36; VTH_SR_UVLO_RISE





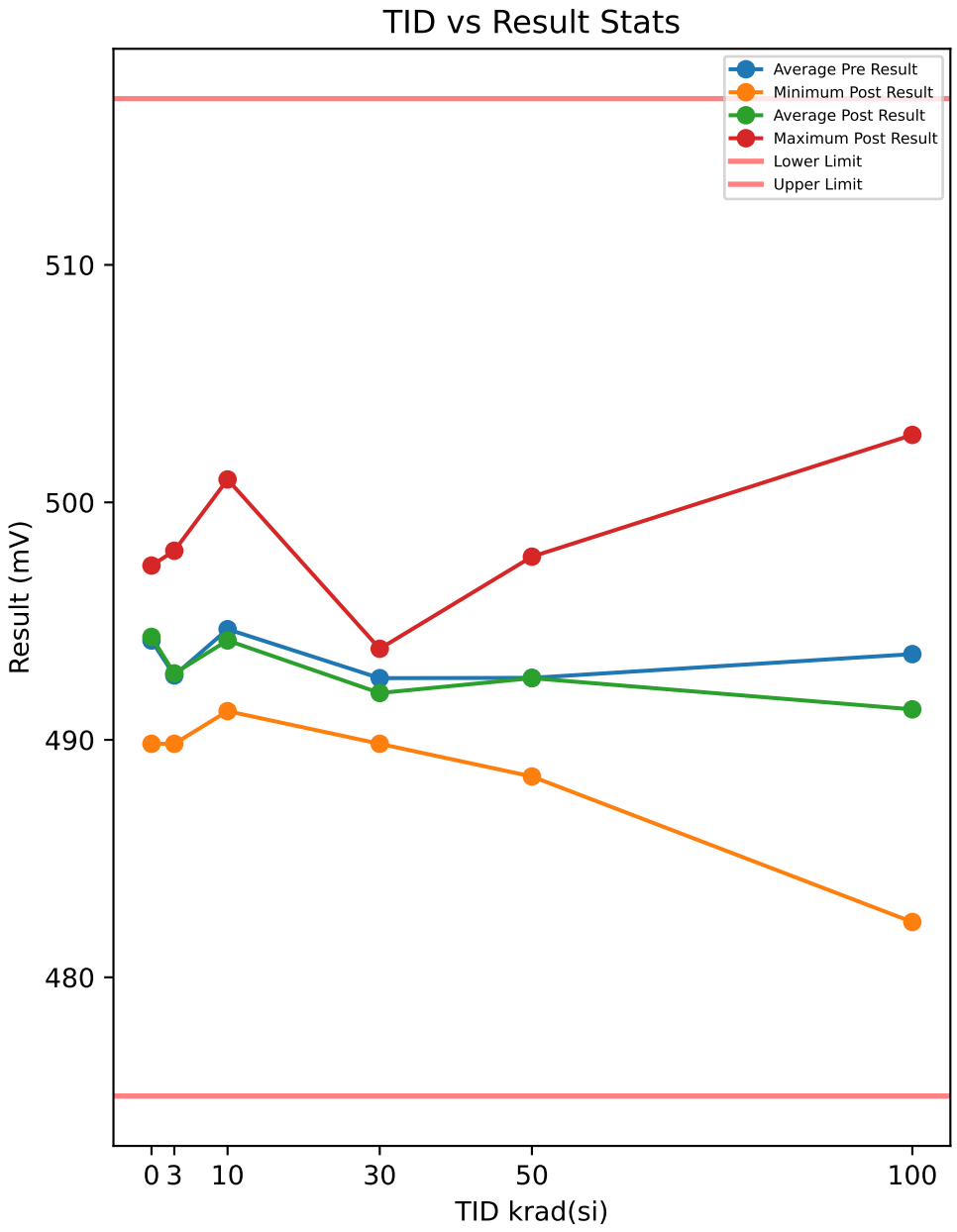
Test Results (Lower Limit = 580.0, Upper Limit = 618.0 (mV))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	596.59	596.39	-0.1953
2	3	Biased	590.59	590.39	-0.2029
3	3	Biased	591.34	591.39	0.0482
4	3	Biased	593.72	593.77	0.0512
5	3	Biased	598.84	598.15	-0.6928
6	3	Unbiased	590.97	591.77	0.7982
7	3	Unbiased	593.47	593.39	-0.0742
8	3	Unbiased	590.09	590.52	0.4219
9	3	Unbiased	591.97	592.14	0.1741
10	3	Unbiased	592.97	593.39	0.4255
11	10	Biased	593.84	593.27	-0.574
12	10	Biased	593.59	593.27	-0.3242
13	10	Biased	594.59	593.64	-0.9483
14	10	Biased	592.59	591.39	-1.201
15	10	Biased	595.47	595.14	-0.3218
16	10	Unbiased	592.72	593.27	0.5502
17	10	Unbiased	601.71	601.65	-0.0639
18	10	Unbiased	594.97	595.77	0.8031
19	10	Unbiased	597.09	595.52	-1.5705
20	10	Unbiased	591.97	592.02	0.0489
21	30	Biased	594.47	592.52	-1.9491
22	30	Biased	594.97	594.27	-0.6977
23	30	Biased	594.47	591.77	-2.6995
24	30	Biased	594.09	592.14	-1.9495
25	30	Biased	591.97	590.77	-1.2017
26	30	Unbiased	592.97	593.89	0.9257
27	30	Unbiased	593.09	592.77	-0.3248
28	30	Unbiased	593.34	592.52	-0.8248
29	30	Unbiased	589.22	590.02	0.796
30	30	Unbiased	589.72	591.02	1.2969
31	50	Biased	593.84	591.77	-2.0749
32	50	Biased	589.1	588.39	-0.705
33	50	Biased	591.59	591.52	-0.0765
34	50	Biased	591.84	592.77	0.9243
35	50	Biased	593.47	593.14	-0.3244
36	50	Unbiased	591.22	592.02	0.7984
37	50	Unbiased	595.72	595.89	0.1788
38	50	Unbiased	592.84	591.39	-1.4508
39	50	Unbiased	593.34	593.89	0.551
40	50	Unbiased	595.22	598.15	2.9297
41	100	Biased	592.84	587.64	-5.203
42	100	Biased	587.47	583.01	-4.4592
43	100	Biased	596.84	593.77	-3.0717
44	100	Biased	591.97	586.26	-5.7044
45	100	Biased	596.72	592.27	-4.4477
46	100	Unbiased	590.97	588.64	-2.3286
47	100	Unbiased	593.34	593.39	0.0508
48	100	Unbiased	603.96	603.27	-0.6865
49	100	Unbiased	591.72	593.39	1.6747
50	100	Unbiased	592.72	593.14	0.4251
51	0	Correlation	597.34	597.52	0.1808
53	0	Correlation	594.34	594.39	0.052
54	0	Correlation	597.21	597.27	0.0556
55	0	Correlation	593.34	593.52	0.1758
56	0	Correlation	590.22	590.52	0.297

Test Statistics (mV)

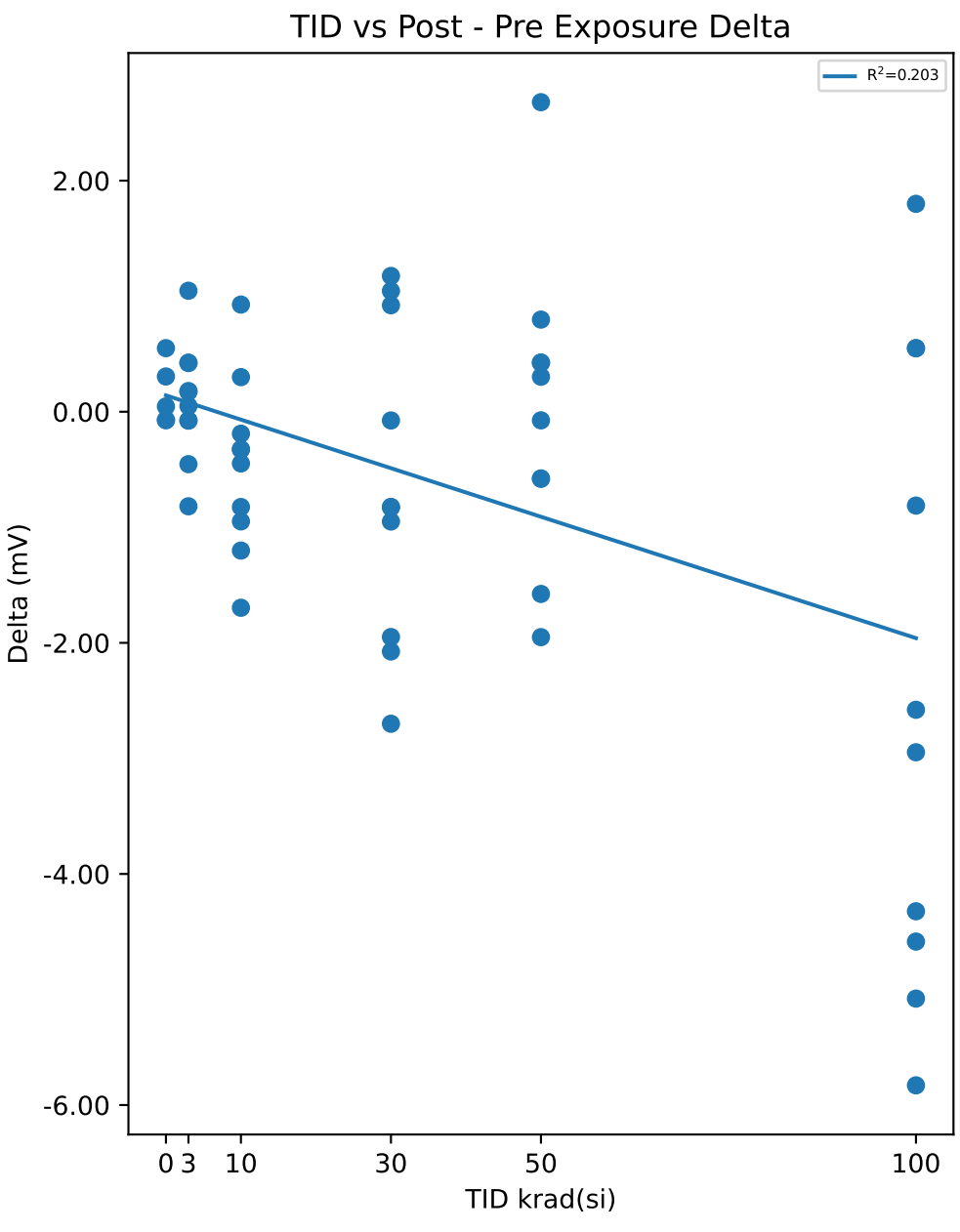
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	590.22	594.49	597.34	2.9632	590.52	594.64	597.52	2.8956	0.052	0.15224	0.297	0.10212
3	590.09	593.05	598.84	2.7858	590.39	593.13	598.15	2.5066	-0.6928	0.07539	0.7982	0.41357
10	591.97	594.85	601.71	2.85	591.39	594.49	601.65	2.8919	-1.5705	-0.36015	0.8031	0.74561
30	589.22	592.83	594.97	1.9808	590.02	592.17	594.27	1.3364	-2.6995	-0.66285	1.2969	1.3492
50	589.1	592.82	595.72	1.9652	588.39	592.89	598.15	2.6695	-2.0749	0.07506	2.9297	1.3893
100	587.47	593.85	603.96	4.4596	583.01	591.48	603.27	5.5454	-5.7044	-2.3751	1.6747	2.6074

Device Test: 13.37; VTH_SR_UVLO_FALL



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

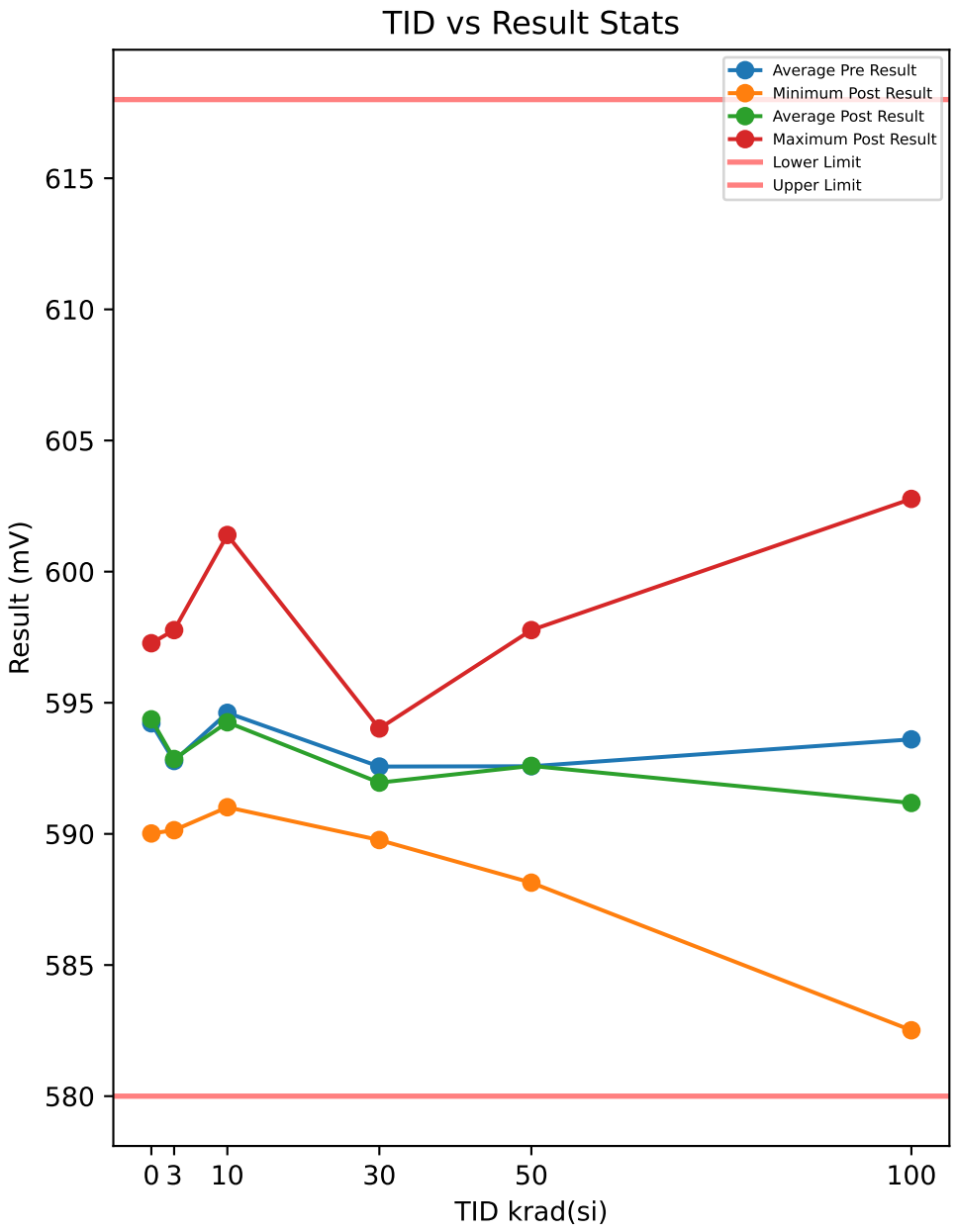
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	496.28	496.46	0.1792
2	3	Biased	490.29	489.83	-0.4536
3	3	Biased	490.91	491.08	0.1725
4	3	Biased	493.28	493.21	-0.0747
5	3	Biased	498.78	497.96	-0.8182
6	3	Unbiased	490.29	491.33	1.0472
7	3	Unbiased	493.03	493.08	0.05
8	3	Unbiased	489.91	490.33	0.4214
9	3	Unbiased	491.54	491.46	-0.0769
10	3	Unbiased	492.79	493.21	0.4249
11	10	Biased	493.91	493.08	-0.8244
12	10	Biased	493.53	493.21	-0.3245
13	10	Biased	494.41	493.46	-0.9488
14	10	Biased	492.41	491.21	-1.2014
15	10	Biased	495.16	494.71	-0.4476
16	10	Unbiased	492.79	493.08	0.2998
17	10	Unbiased	501.15	500.96	-0.19
18	10	Unbiased	494.66	495.59	0.9276
19	10	Unbiased	496.66	494.96	-1.6964
20	10	Unbiased	491.91	491.58	-0.3266
21	30	Biased	494.16	492.21	-1.9497
22	30	Biased	494.66	493.84	-0.8234
23	30	Biased	494.16	491.46	-2.7001
24	30	Biased	494.16	492.08	-2.0747
25	30	Biased	491.29	490.46	-0.8277
26	30	Unbiased	492.66	493.84	1.1753
27	30	Unbiased	492.66	492.58	-0.0754
28	30	Unbiased	493.53	492.58	-0.9498
29	30	Unbiased	488.79	489.83	1.0453
30	30	Unbiased	489.91	490.83	0.9217
31	50	Biased	493.41	491.46	-1.9506
32	50	Biased	489.04	488.46	-0.5803
33	50	Biased	491.54	490.96	-0.5772
34	50	Biased	491.91	492.33	0.4238
35	50	Biased	493.41	493.33	-0.0745
36	50	Unbiased	490.66	491.46	0.7975
37	50	Unbiased	495.28	495.59	0.303
38	50	Unbiased	492.29	490.71	-1.5768
39	50	Unbiased	493.53	493.96	0.426
40	50	Unbiased	495.03	497.71	2.6791
41	100	Biased	492.29	487.21	-5.0788
42	100	Biased	486.91	482.33	-4.5853
43	100	Biased	496.78	493.84	-2.947
44	100	Biased	492.16	486.33	-5.8295
45	100	Biased	496.53	492.21	-4.3231
46	100	Unbiased	490.79	488.21	-2.5793
47	100	Unbiased	493.16	493.71	0.5505
48	100	Unbiased	503.65	502.84	-0.8121
49	100	Unbiased	491.66	493.46	1.7994
50	100	Unbiased	492.16	492.71	0.5492
51	0	Correlation	497.03	497.34	0.3052
53	0	Correlation	494.03	493.96	-0.0737
54	0	Correlation	497.03	496.96	-0.07
55	0	Correlation	493.03	493.59	0.5503
56	0	Correlation	489.79	489.83	0.046

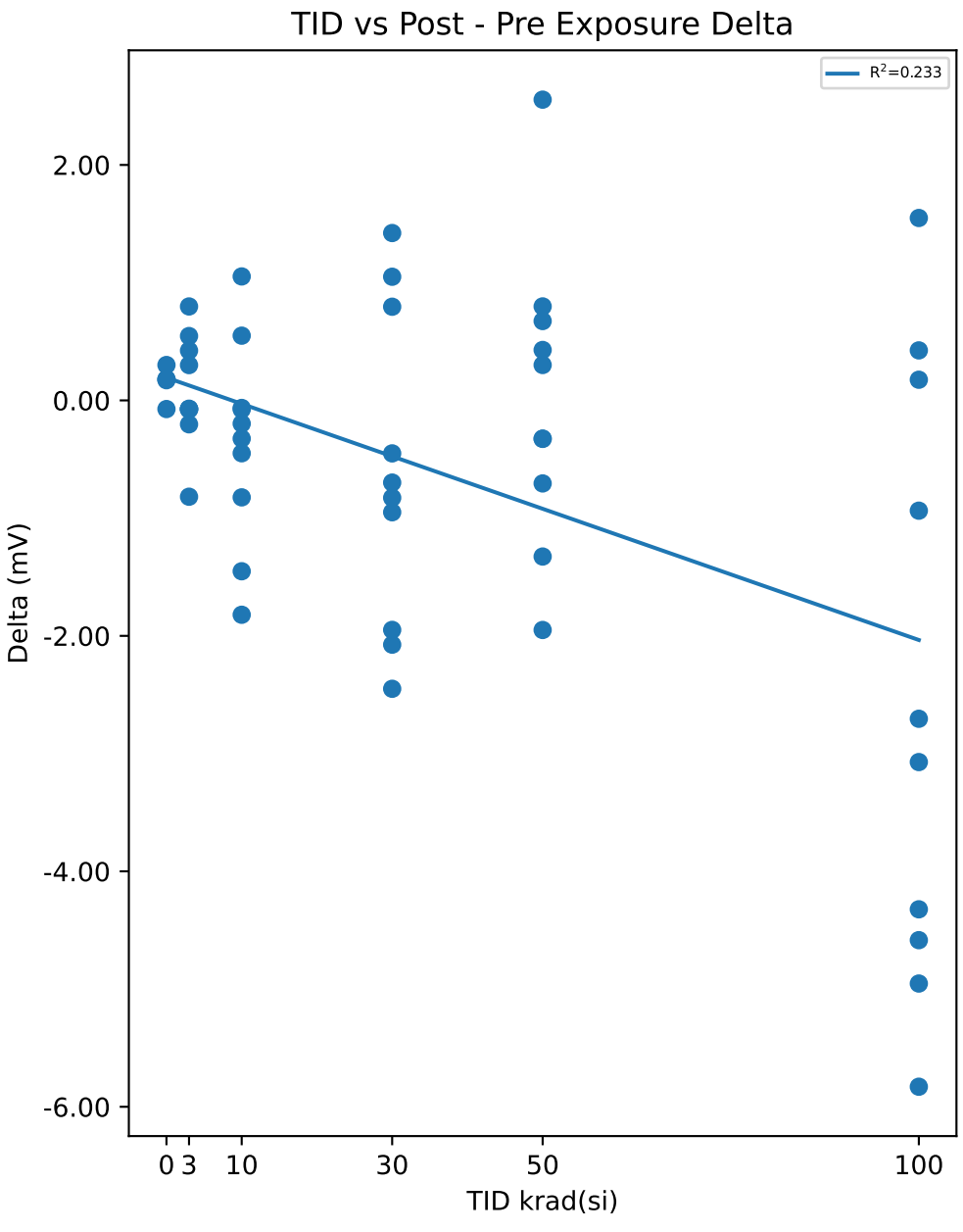


Test Statistics (mV)

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	489.79	494.18	497.03	3.0373	489.83	494.34	497.34	3.0367	-0.0737	0.15156	0.5503	0.27091
3	489.91	492.71	498.78	2.8723	489.83	492.8	497.96	2.6302	-0.8182	0.08718	1.0472	0.50879
10	491.91	494.66	501.15	2.6759	491.21	494.19	500.96	2.7553	-1.6964	-0.47323	0.9276	0.74983
30	488.79	492.6	494.66	1.9971	489.83	491.97	493.84	1.3412	-2.7001	-0.62585	1.1753	1.3773
50	489.04	492.61	495.28	1.9282	488.46	492.6	497.71	2.6574	-1.9506	-0.013	2.6791	1.3009
100	486.91	493.61	503.65	4.4997	482.33	491.28	502.84	5.6214	-5.8295	-2.3256	1.7994	2.6925

Device Test: 13.39; VTH_SR_UVLO_RISE





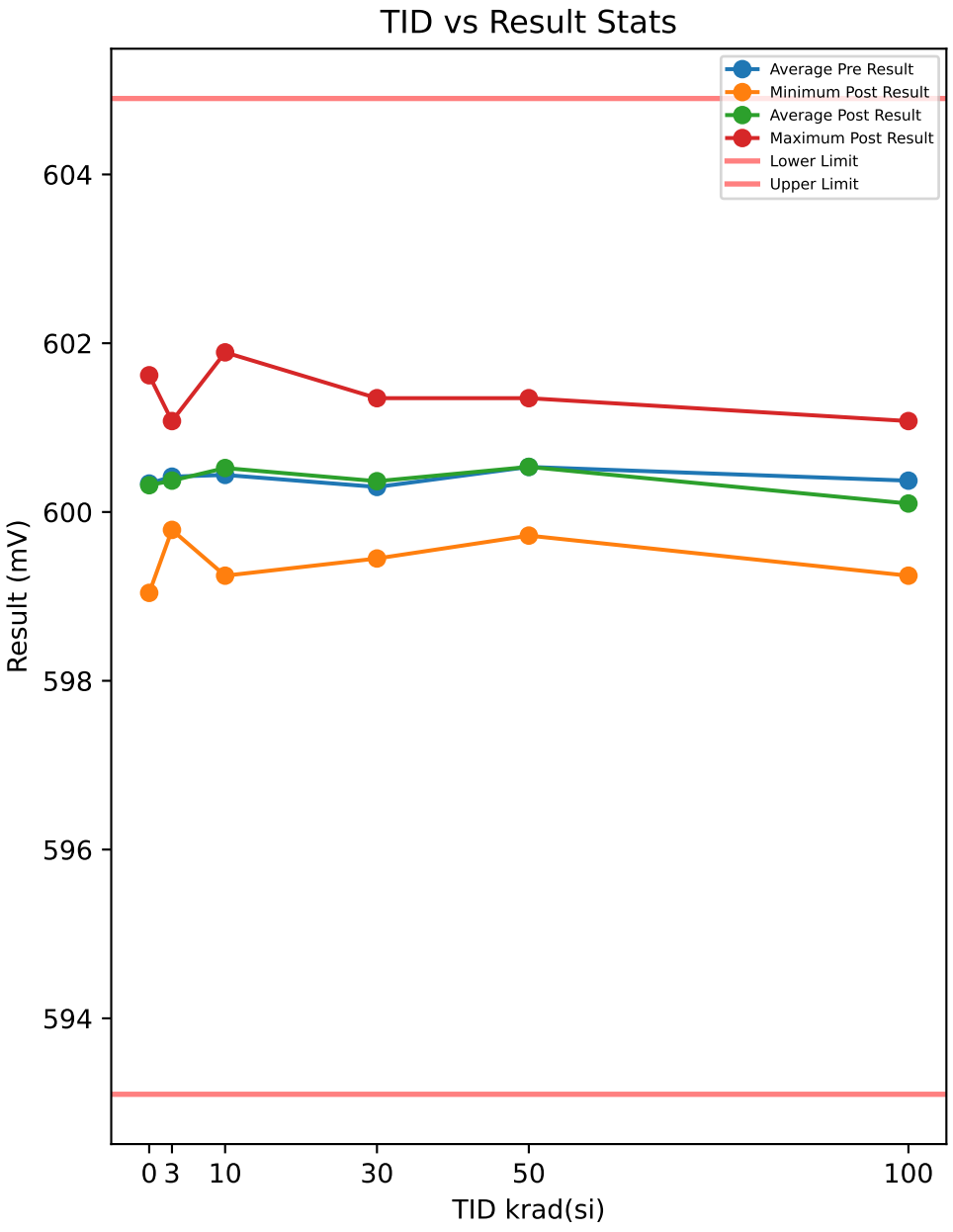
Test Results (Lower Limit = 580.0, Upper Limit = 618.0 (mV))

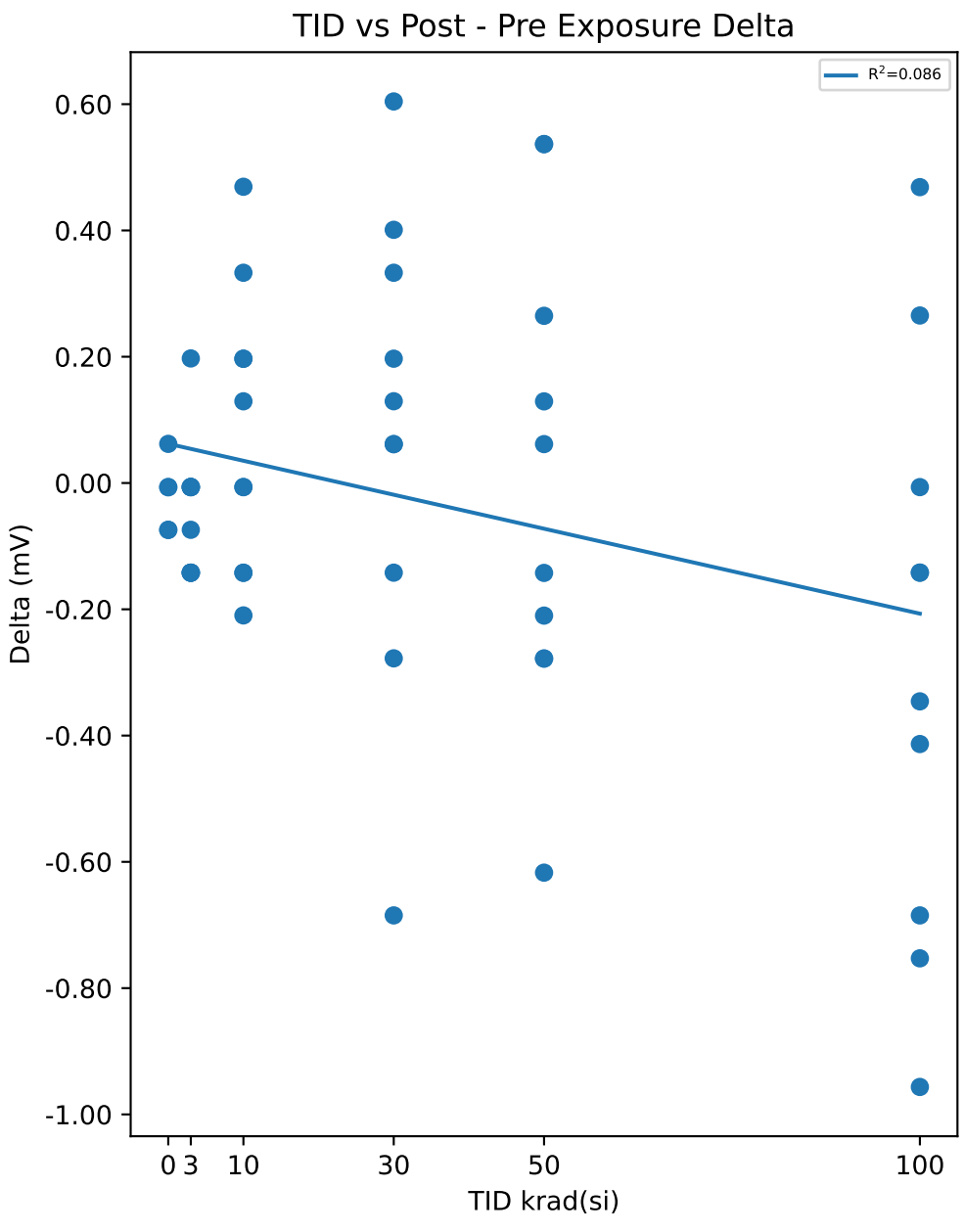
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	596.22	596.14	-0.0707
2	3	Biased	590.34	590.14	-0.2032
3	3	Biased	590.97	591.39	0.423
4	3	Biased	593.47	593.39	-0.0742
5	3	Biased	598.59	597.77	-0.8182
6	3	Unbiased	590.72	591.52	0.7979
7	3	Unbiased	593.22	593.14	-0.0746
8	3	Unbiased	589.84	590.39	0.5466
9	3	Unbiased	591.84	591.77	-0.0763
10	3	Unbiased	592.59	592.89	0.2999
11	10	Biased	593.72	593.27	-0.4491
12	10	Biased	593.47	593.14	-0.3244
13	10	Biased	594.34	593.52	-0.8236
14	10	Biased	592.47	591.02	-1.4512
15	10	Biased	595.09	594.89	-0.1972
16	10	Unbiased	592.34	592.89	0.5498
17	10	Unbiased	601.46	601.4	-0.0642
18	10	Unbiased	594.72	595.77	1.0529
19	10	Unbiased	596.96	595.14	-1.8208
20	10	Unbiased	591.59	591.52	-0.0765
21	30	Biased	594.22	592.27	-1.9493
22	30	Biased	594.72	594.02	-0.6981
23	30	Biased	594.22	591.77	-2.4496
24	30	Biased	593.97	591.89	-2.0747
25	30	Biased	591.47	590.64	-0.8272
26	30	Unbiased	592.59	593.64	1.0503
27	30	Unbiased	592.97	592.52	-0.4501
28	30	Unbiased	593.22	592.27	-0.9501
29	30	Unbiased	588.97	589.77	0.7956
30	30	Unbiased	589.34	590.77	1.4216
31	50	Biased	593.59	591.64	-1.9501
32	50	Biased	588.85	588.14	-0.7053
33	50	Biased	591.47	591.14	-0.3269
34	50	Biased	591.59	592.27	0.6739
35	50	Biased	593.22	592.89	-0.3247
36	50	Unbiased	590.97	591.77	0.7982
37	50	Unbiased	595.34	595.77	0.4283
38	50	Unbiased	592.34	591.02	-1.3263
39	50	Unbiased	593.22	593.52	0.3006
40	50	Unbiased	595.22	597.77	2.5545
41	100	Biased	592.47	587.51	-4.9532
42	100	Biased	587.1	582.51	-4.5848
43	100	Biased	596.59	593.52	-3.072
44	100	Biased	591.84	586.01	-5.8296
45	100	Biased	596.59	592.27	-4.3227
46	100	Unbiased	590.72	588.01	-2.7042
47	100	Unbiased	593.09	593.27	0.1755
48	100	Unbiased	603.71	602.77	-0.9368
49	100	Unbiased	591.59	593.14	1.5494
50	100	Unbiased	592.34	592.77	0.4247
51	0	Correlation	597.09	597.27	0.1805
53	0	Correlation	594.09	594.02	-0.0735
54	0	Correlation	596.96	597.15	0.1803
55	0	Correlation	593.09	593.39	0.3006
56	0	Correlation	589.84	590.02	0.1714

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	589.84	594.22	597.09	3.0084	590.02	594.37	597.27	3.0062	-0.0735	0.15186	0.3006	0.13686
3	589.84	592.78	598.59	2.7728	590.14	592.86	597.77	2.4474	-0.8182	0.07502	0.7979	0.45712
10	591.59	594.62	601.46	2.8624	591.02	594.26	601.4	2.9269	-1.8208	-0.36043	1.0529	0.85422
30	588.97	592.57	594.72	2.0312	589.77	591.95	594.02	1.3161	-2.4496	-0.61316	1.4216	1.349
50	588.85	592.58	595.34	1.9781	588.14	592.59	597.77	2.6657	-1.9501	0.01222	2.5545	1.2544
100	587.1	593.6	603.71	4.4836	582.51	591.18	602.77	5.5485	-5.8296	-2.4254	1.5494	2.5742

Device Test: 13.4; VTH_SENSE





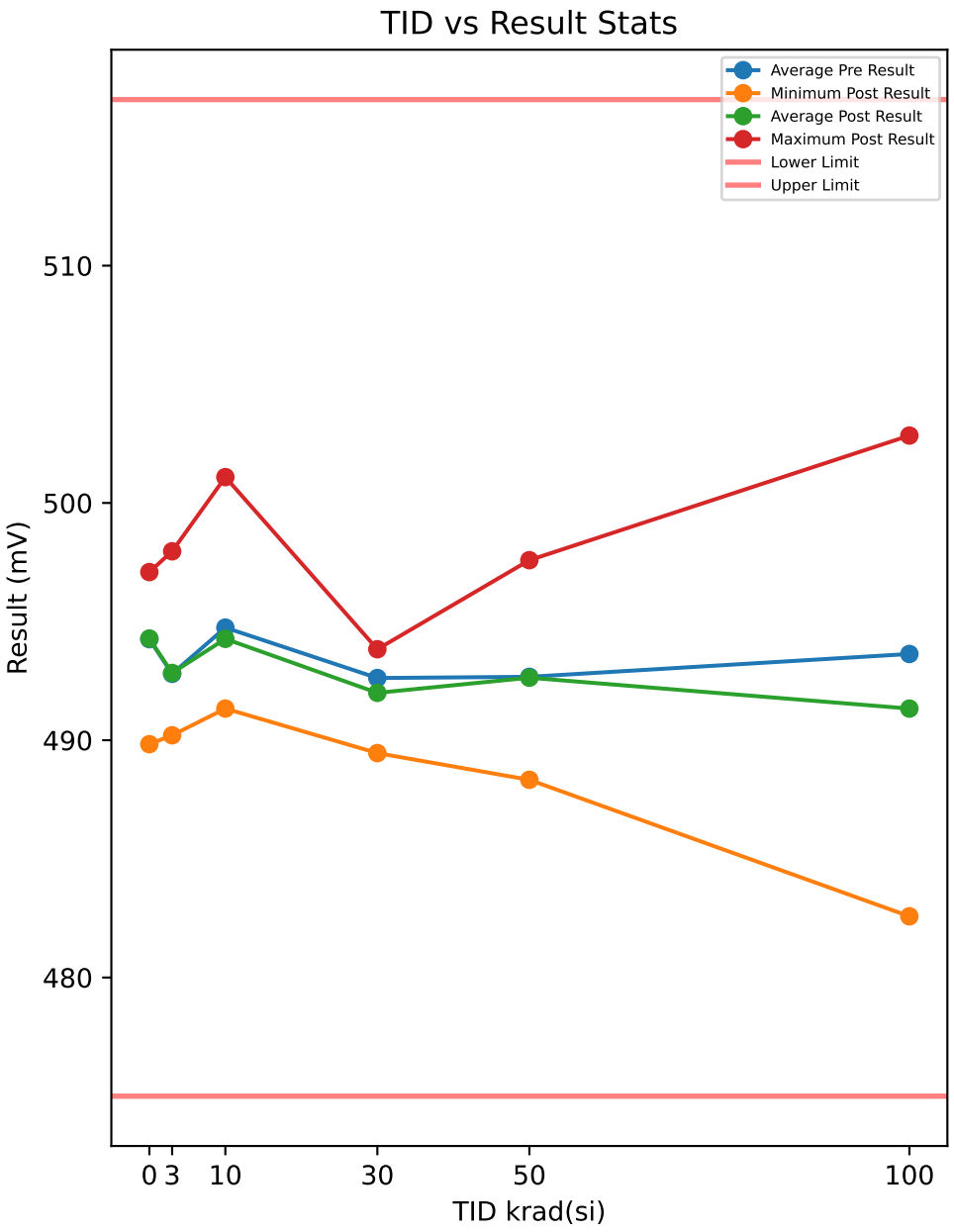
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	601.02	601.01	-0.0066
2	3	Biased	600.54	600.4	-0.1421
3	3	Biased	601.08	601.08	-0.0066
4	3	Biased	600.34	600.2	-0.142
5	3	Biased	600	599.99	-0.0062
6	3	Unbiased	600.34	600.26	-0.0741
7	3	Unbiased	600.07	600.06	-0.0062
8	3	Unbiased	600.13	600.33	0.1973
9	3	Unbiased	599.93	599.79	-0.142
10	3	Unbiased	600.74	600.6	-0.1421
11	10	Biased	601.15	601.35	0.1969
12	10	Biased	599.73	599.52	-0.2097
13	10	Biased	600.27	600.4	0.1294
14	10	Biased	600.27	600.6	0.333
15	10	Biased	601.02	601.01	-0.0066
16	10	Unbiased	600.2	600.06	-0.142
17	10	Unbiased	600.95	600.81	-0.1423
18	10	Unbiased	601.7	601.89	0.1967
19	10	Unbiased	600.34	600.33	-0.0063
20	10	Unbiased	598.78	599.25	0.4692
21	30	Biased	600.07	600.2	0.1295
22	30	Biased	601.15	601.35	0.1969
23	30	Biased	600.74	601.35	0.6043
24	30	Biased	600.2	600.26	0.0616
25	30	Biased	600.47	600.53	0.0615
26	30	Unbiased	600.27	599.99	-0.2777
27	30	Unbiased	600.13	599.45	-0.6848
28	30	Unbiased	600.2	600.06	-0.142
29	30	Unbiased	600	600.33	0.333
30	30	Unbiased	599.73	600.13	0.401
31	50	Biased	600.54	599.92	-0.6171
32	50	Biased	600.61	600.4	-0.21
33	50	Biased	601.29	601.01	-0.2781
34	50	Biased	601.08	600.94	-0.1424
35	50	Biased	600.81	600.53	-0.2779
36	50	Unbiased	601.08	601.35	0.2648
37	50	Unbiased	599.18	599.72	0.5369
38	50	Unbiased	600.54	600.67	0.1293
39	50	Unbiased	600.2	600.26	0.0616
40	50	Unbiased	600	600.53	0.5366
41	100	Biased	600.47	599.72	-0.7528
42	100	Biased	600.81	599.86	-0.9565
43	100	Biased	600.88	600.87	-0.0065
44	100	Biased	599.93	599.25	-0.6848
45	100	Biased	599.73	599.58	-0.1419
46	100	Unbiased	600.2	600.06	-0.142
47	100	Unbiased	600.81	600.47	-0.3458
48	100	Unbiased	600.61	601.08	0.4686
49	100	Unbiased	599.86	600.13	0.2653
50	100	Unbiased	600.41	599.99	-0.4134
51	0	Correlation	600.68	600.6	-0.0743
53	0	Correlation	601.63	601.62	-0.0068
54	0	Correlation	600	599.92	-0.0741
55	0	Correlation	598.98	599.04	0.062
56	0	Correlation	600.41	600.4	-0.0063

Test Statistics (mV)

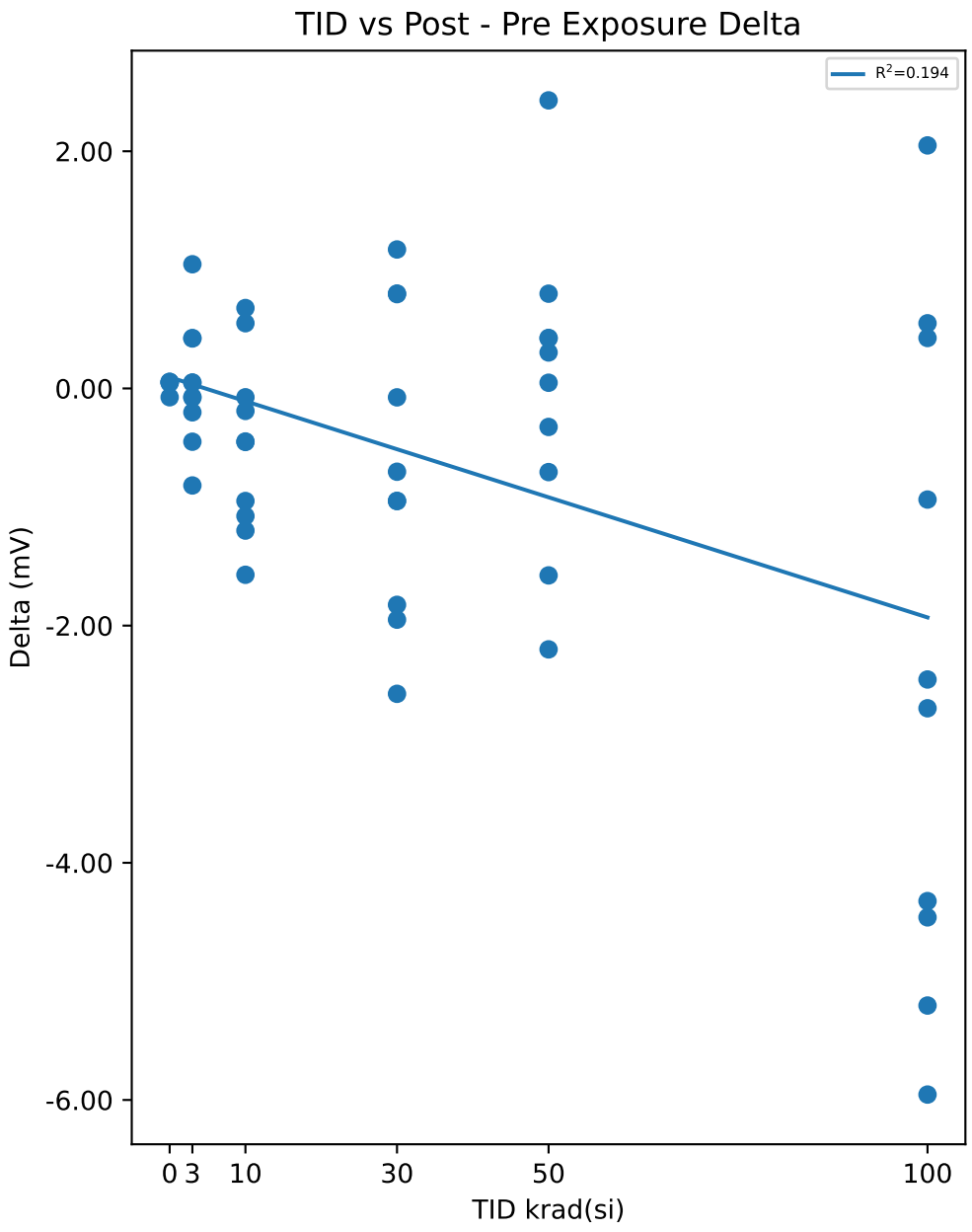
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	598.98	600.34	601.63	0.96717	599.04	600.32	601.62	0.94442	-0.0743	-0.0199	0.062	0.056924
3	599.93	600.42	601.08	0.41575	599.79	600.37	601.08	0.41978	-0.1421	-0.04706	0.1973	0.10706
10	598.78	600.44	601.7	0.82162	599.25	600.52	601.89	0.80212	-0.2097	0.08183	0.4692	0.2218
30	599.73	600.3	601.15	0.40501	599.45	600.37	601.35	0.59005	-0.6848	0.06833	0.6043	0.36811
50	599.18	600.53	601.29	0.62169	599.72	600.53	601.35	0.49452	-0.6171	0.00037	0.5369	0.37514
100	599.73	600.37	600.88	0.42359	599.25	600.1	601.08	0.56792	-0.9565	-0.27098	0.4686	0.45179

Device Test: 13.40; VTH_SR_UVLO_FALL



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

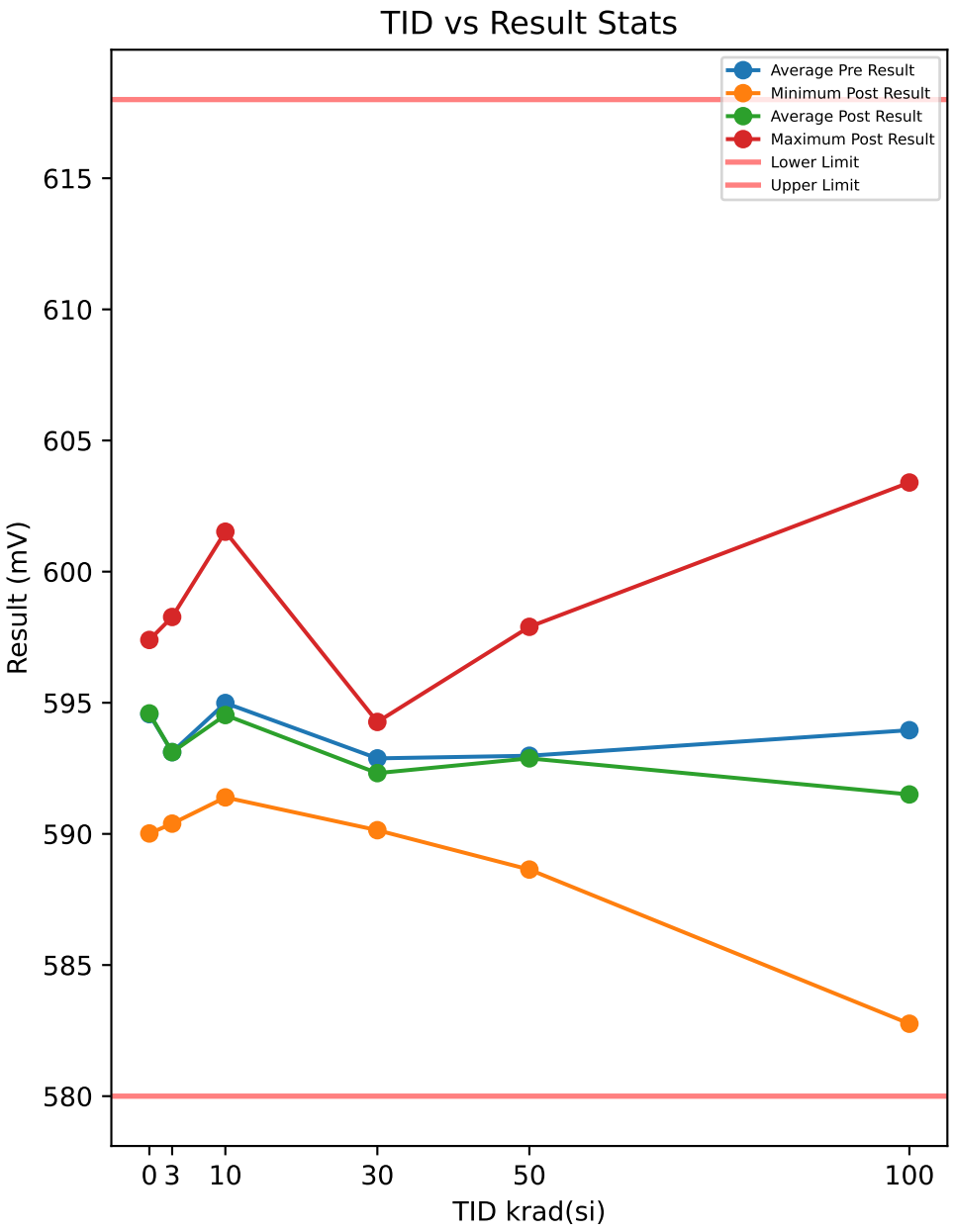
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	496.28	496.21	-0.0709
2	3	Biased	490.29	490.21	-0.0784
3	3	Biased	491.04	491.08	0.0476
4	3	Biased	493.66	493.21	-0.4494
5	3	Biased	498.78	497.96	-0.8182
6	3	Unbiased	490.29	491.33	1.0472
7	3	Unbiased	493.03	493.08	0.05
8	3	Unbiased	489.91	490.33	0.4214
9	3	Unbiased	491.91	491.71	-0.2015
10	3	Unbiased	492.79	493.21	0.4249
11	10	Biased	494.03	493.08	-0.9493
12	10	Biased	493.41	493.33	-0.0745
13	10	Biased	494.66	493.46	-1.1986
14	10	Biased	492.41	491.33	-1.0764
15	10	Biased	495.28	494.84	-0.4474
16	10	Unbiased	492.66	493.21	0.5499
17	10	Unbiased	501.28	501.09	-0.1897
18	10	Unbiased	495.03	495.71	0.678
19	10	Unbiased	496.66	495.09	-1.5714
20	10	Unbiased	492.04	491.58	-0.4515
21	30	Biased	494.03	492.21	-1.8248
22	30	Biased	494.78	493.84	-0.9483
23	30	Biased	494.03	491.46	-2.5752
24	30	Biased	494.03	492.08	-1.9498
25	30	Biased	491.41	490.71	-0.7024
26	30	Unbiased	492.79	493.59	0.8001
27	30	Unbiased	492.91	492.83	-0.0752
28	30	Unbiased	493.66	492.71	-0.9497
29	30	Unbiased	488.66	489.46	0.7951
30	30	Unbiased	489.91	491.08	1.1718
31	50	Biased	493.66	491.46	-2.2004
32	50	Biased	489.04	488.33	-0.7054
33	50	Biased	491.41	491.46	0.048
34	50	Biased	491.79	492.58	0.799
35	50	Biased	493.41	493.08	-0.3247
36	50	Unbiased	491.04	491.46	0.4228
37	50	Unbiased	495.41	495.71	0.3032
38	50	Unbiased	492.41	490.83	-1.5766
39	50	Unbiased	493.41	493.84	0.4258
40	50	Unbiased	495.16	497.59	2.4291
41	100	Biased	492.41	487.21	-5.2037
42	100	Biased	487.04	482.58	-4.4601
43	100	Biased	496.66	493.96	-2.697
44	100	Biased	492.29	486.33	-5.9544
45	100	Biased	496.66	492.33	-4.323
46	100	Unbiased	490.66	488.21	-2.4544
47	100	Unbiased	493.03	493.46	0.4253
48	100	Unbiased	503.78	502.84	-0.937
49	100	Unbiased	491.54	493.59	2.0493
50	100	Unbiased	492.29	492.83	0.5494
51	0	Correlation	497.03	497.09	0.0551
53	0	Correlation	493.91	493.96	0.0512
54	0	Correlation	497.03	497.09	0.0551
55	0	Correlation	493.53	493.46	-0.0743
56	0	Correlation	489.79	489.83	0.046

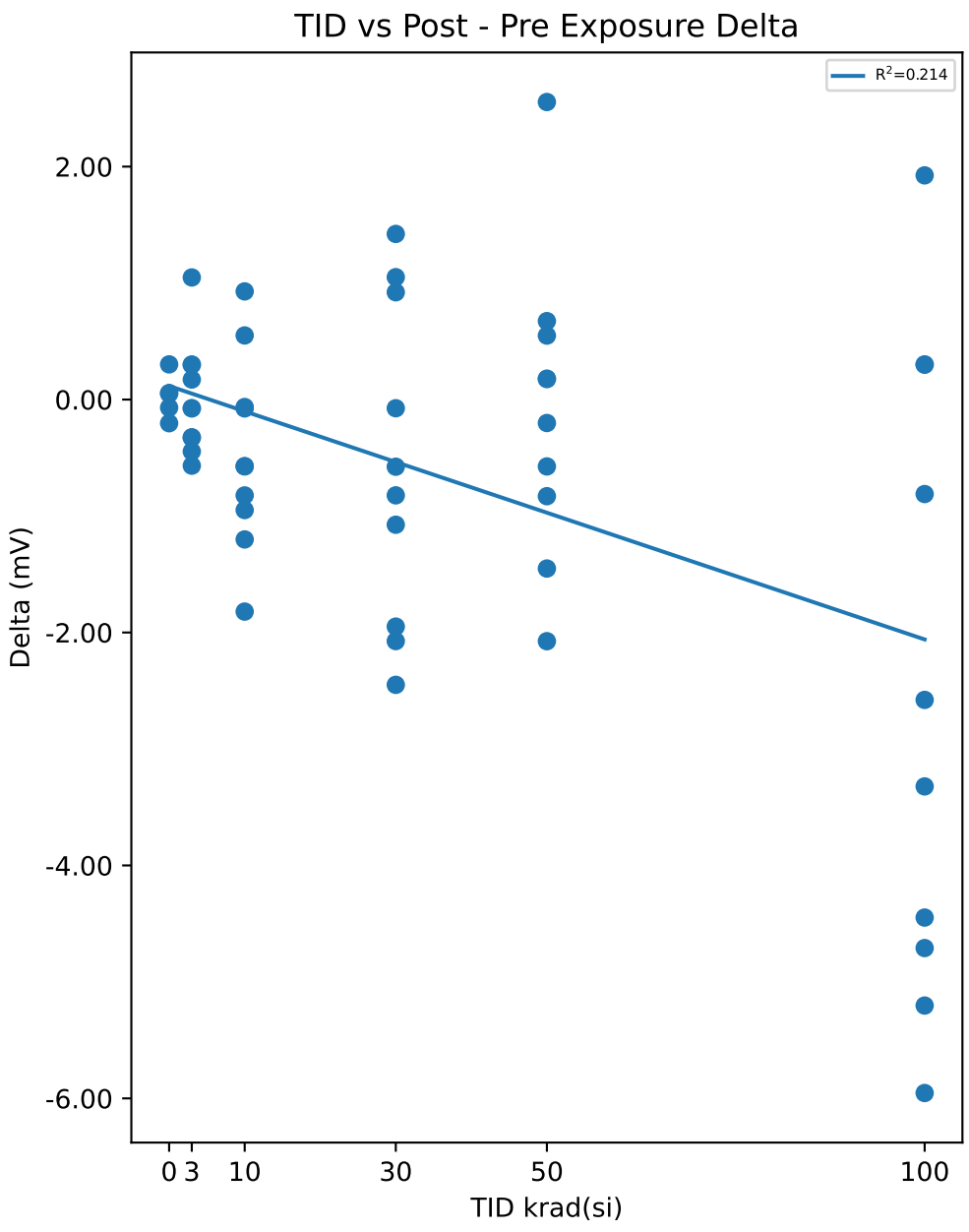


Test Statistics (mV)

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	489.79	494.26	497.03	3.0011	489.83	494.29	497.09	3.0129	-0.0743	0.02662	0.0551	0.056539
3	489.91	492.8	498.78	2.8591	490.21	492.83	497.96	2.5339	-0.8182	0.03727	1.0472	0.51303
10	492.04	494.75	501.28	2.7113	491.33	494.27	501.09	2.7782	-1.5714	-0.47309	0.678	0.74051
30	488.66	492.62	494.78	2.0091	489.46	492	493.84	1.3497	-2.5752	-0.62584	1.1718	1.282
50	489.04	492.67	495.41	1.9454	488.33	492.63	497.59	2.6151	-2.2004	-0.03792	2.4291	1.2871
100	487.04	493.63	503.78	4.5142	482.58	491.33	502.84	5.5841	-5.9544	-2.3006	2.0493	2.7294

Device Test: 13.42; VTH_SR_UVLO_RISE





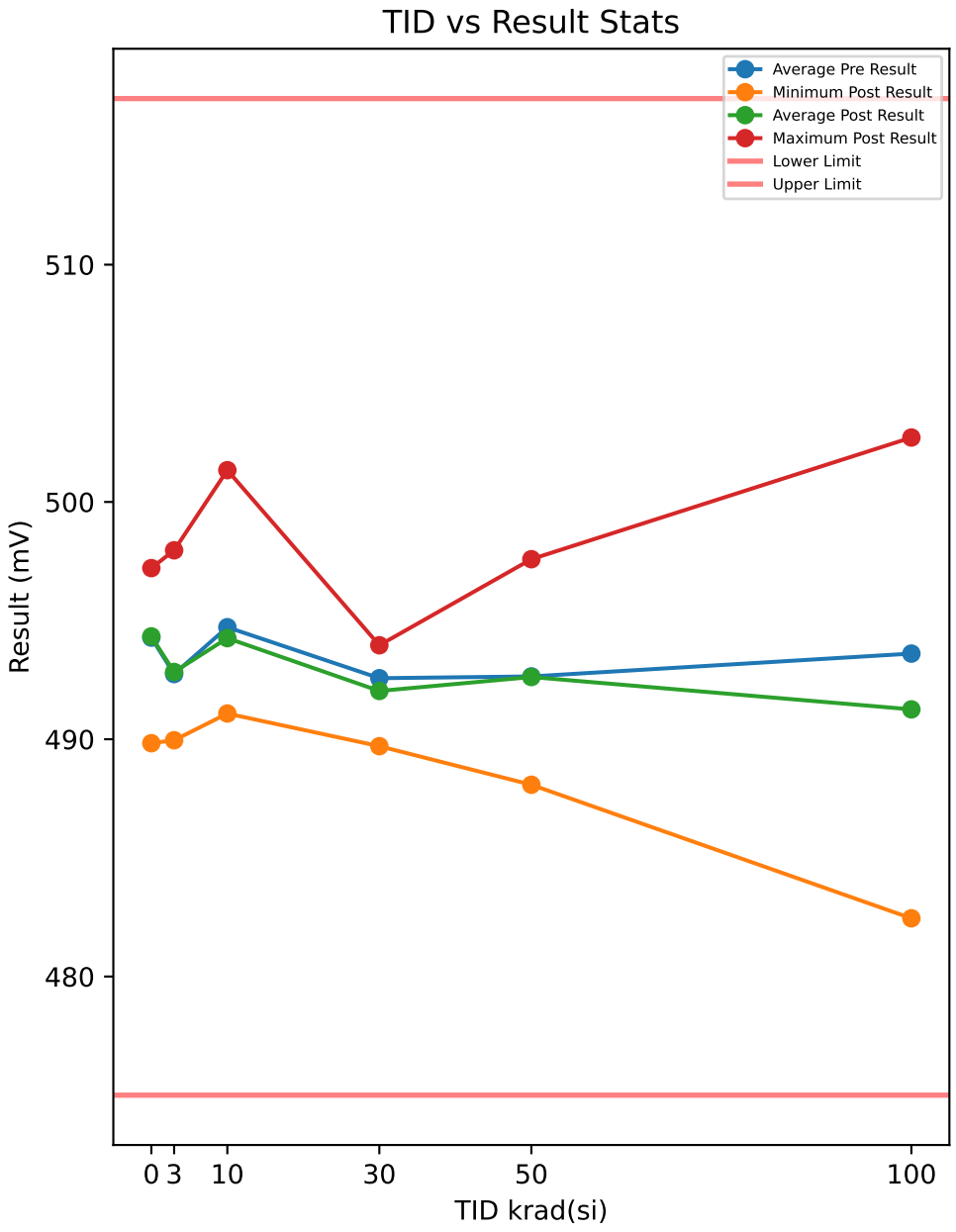
Test Results (Lower Limit = 580.0, Upper Limit = 618.0 (mV))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	596.59	596.14	-0.4454
2	3	Biased	590.72	590.39	-0.3278
3	3	Biased	591.34	591.64	0.2984
4	3	Biased	593.72	593.39	-0.324
5	3	Biased	598.84	598.27	-0.5677
6	3	Unbiased	590.97	592.02	1.0483
7	3	Unbiased	593.47	593.39	-0.0742
8	3	Unbiased	590.34	590.52	0.172
9	3	Unbiased	592.22	592.14	-0.0757
10	3	Unbiased	592.97	593.27	0.3004
11	10	Biased	594.22	593.27	-0.9487
12	10	Biased	593.84	593.27	-0.574
13	10	Biased	594.72	593.89	-0.8232
14	10	Biased	592.59	591.39	-1.201
15	10	Biased	595.72	595.14	-0.5716
16	10	Unbiased	592.84	593.39	0.5504
17	10	Unbiased	601.59	601.52	-0.064
18	10	Unbiased	595.22	596.14	0.9286
19	10	Unbiased	597.21	595.39	-1.8205
20	10	Unbiased	591.97	591.89	-0.0761
21	30	Biased	594.72	592.64	-2.0739
22	30	Biased	595.09	594.27	-0.8225
23	30	Biased	594.47	592.02	-2.4494
24	30	Biased	594.22	592.27	-1.9493
25	30	Biased	591.72	591.14	-0.5767
26	30	Unbiased	592.97	594.02	1.0508
27	30	Unbiased	593.22	593.14	-0.0746
28	30	Unbiased	593.47	592.39	-1.0748
29	30	Unbiased	589.22	590.14	0.9211
30	30	Unbiased	589.72	591.14	1.4219
31	50	Biased	593.97	591.89	-2.0747
32	50	Biased	589.47	588.64	-0.8297
33	50	Biased	591.72	591.52	-0.2014
34	50	Biased	591.97	592.52	0.5492
35	50	Biased	593.72	593.14	-0.5742
36	50	Unbiased	591.22	591.89	0.6734
37	50	Unbiased	595.97	596.14	0.1792
38	50	Unbiased	592.84	591.39	-1.4508
39	50	Unbiased	593.59	593.77	0.1761
40	50	Unbiased	595.34	597.9	2.5546
41	100	Biased	592.84	587.64	-5.203
42	100	Biased	587.47	582.76	-4.7094
43	100	Biased	597.09	593.77	-3.3215
44	100	Biased	592.34	586.39	-5.954
45	100	Biased	596.84	592.39	-4.4475
46	100	Unbiased	590.97	588.39	-2.5787
47	100	Unbiased	593.34	593.64	0.3009
48	100	Unbiased	604.21	603.4	-0.8113
49	100	Unbiased	591.72	593.64	1.9248
50	100	Unbiased	592.72	593.02	0.3001
51	0	Correlation	597.46	597.4	-0.0692
53	0	Correlation	594.22	594.52	0.302
54	0	Correlation	597.34	597.4	0.0557
55	0	Correlation	593.59	593.64	0.051
56	0	Correlation	590.22	590.02	-0.2033

Test Statistics (mV)

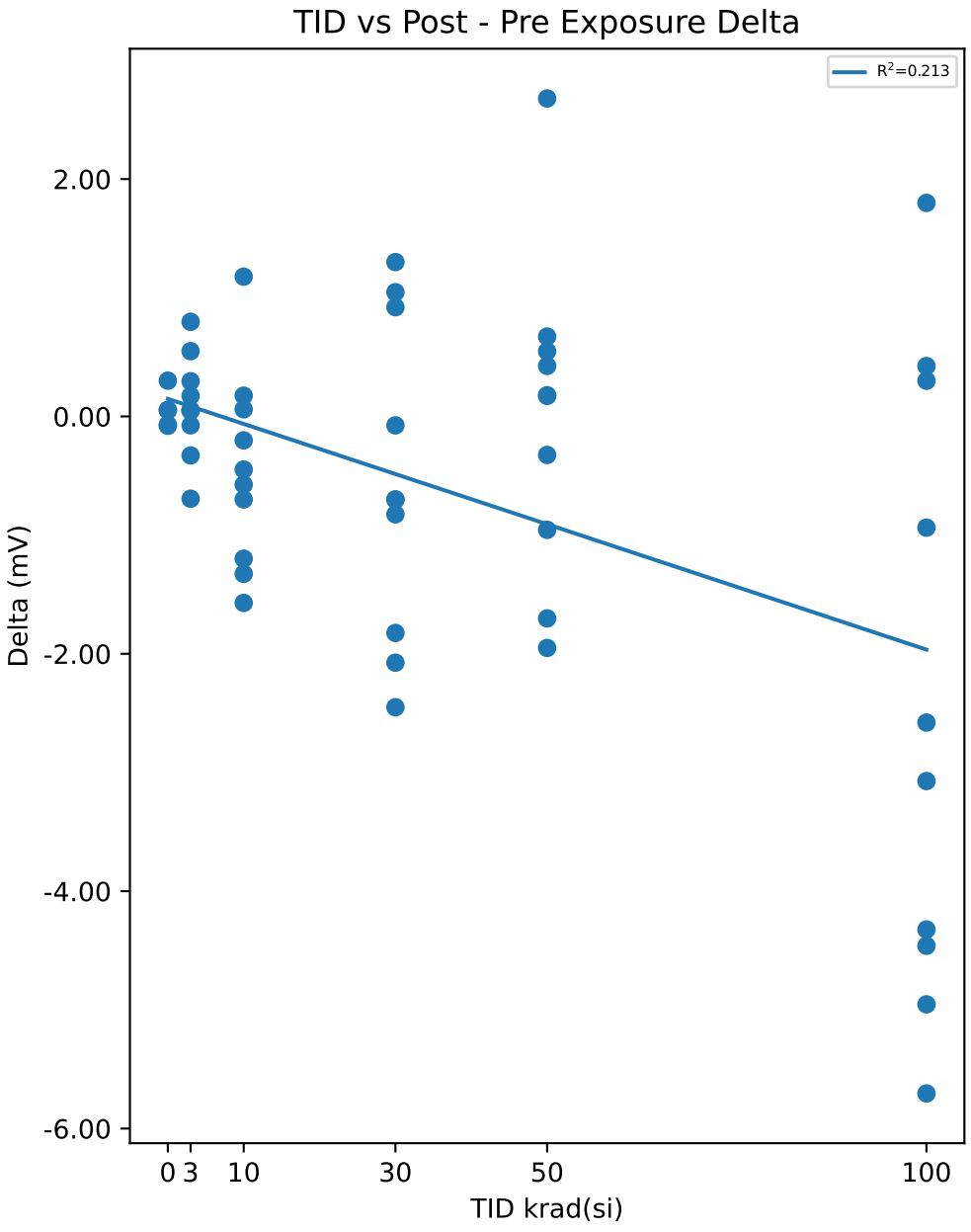
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	590.22	594.57	597.46	3.0024	590.02	594.59	597.4	3.0644	-0.2033	0.02724	0.302	0.18663
3	590.34	593.12	598.84	2.7347	590.39	593.12	598.27	2.4593	-0.5677	0.00043	1.0483	0.47751
10	591.97	594.99	601.59	2.7993	591.39	594.53	601.52	2.8736	-1.8205	-0.46001	0.9286	0.81986
30	589.22	592.88	595.09	2.0484	590.14	592.32	594.27	1.2947	-2.4494	-0.56274	1.4219	1.3775
50	589.47	592.98	595.97	1.9561	588.64	592.88	597.9	2.5992	-2.0747	-0.09983	2.5546	1.2786
100	587.47	593.95	604.21	4.534	582.76	591.5	603.4	5.6378	-5.954	-2.45	1.9248	2.722

Device Test: 13.43; VTH_SR_UVLO_FALL



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

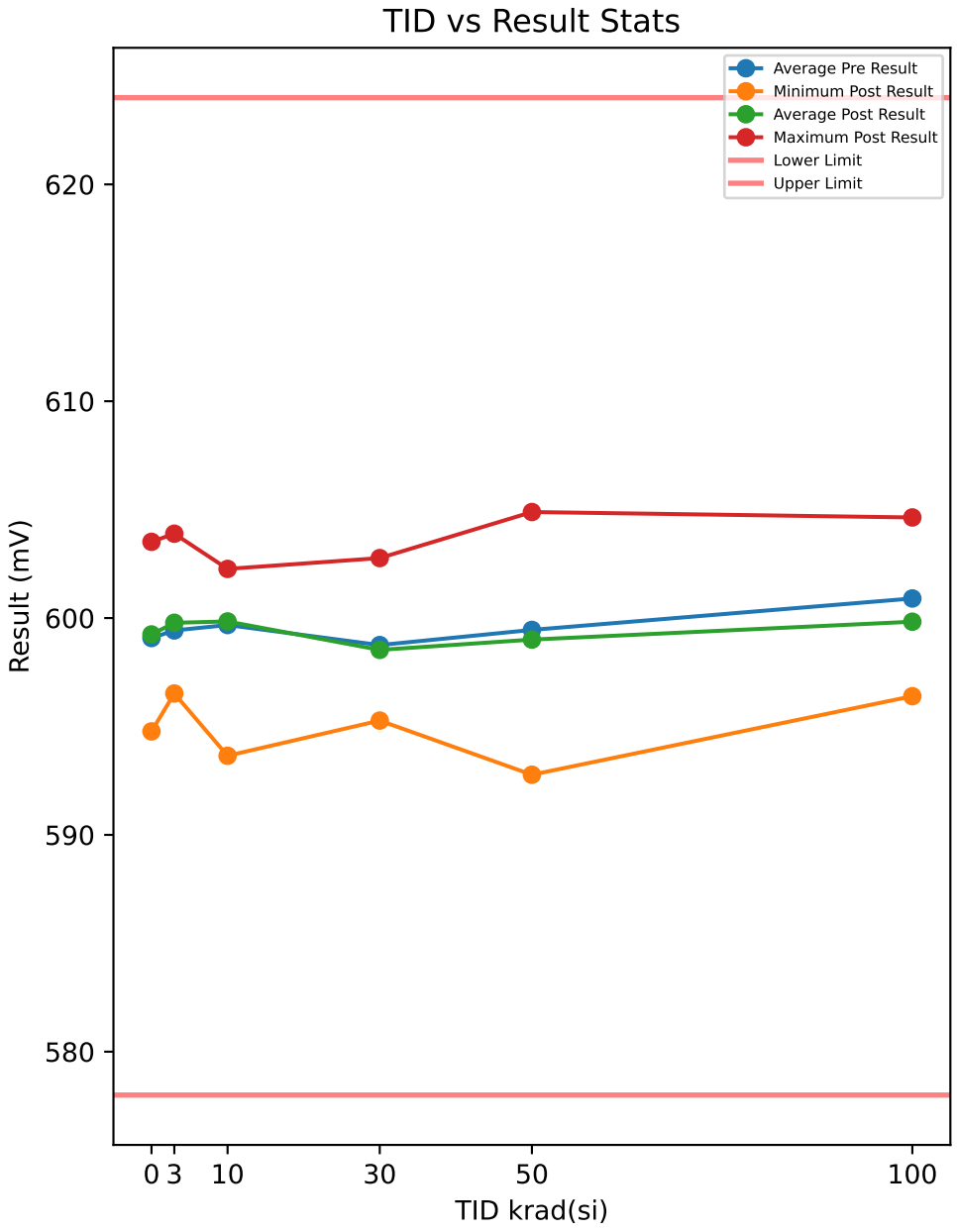
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	496.28	496.34	0.0541
2	3	Biased	490.29	489.96	-0.3286
3	3	Biased	491.04	491.08	0.0476
4	3	Biased	493.41	493.46	0.0506
5	3	Biased	498.66	497.96	-0.6933
6	3	Unbiased	490.41	491.21	0.7973
7	3	Unbiased	493.16	493.08	-0.0749
8	3	Unbiased	489.91	490.21	0.2963
9	3	Unbiased	491.66	491.83	0.1734
10	3	Unbiased	492.66	493.21	0.5499
11	10	Biased	493.91	493.21	-0.6993
12	10	Biased	493.66	493.08	-0.5745
13	10	Biased	494.66	493.46	-1.1986
14	10	Biased	492.41	491.08	-1.3265
15	10	Biased	495.16	494.71	-0.4476
16	10	Unbiased	492.79	492.96	0.1748
17	10	Unbiased	501.28	501.34	0.0604
18	10	Unbiased	494.66	495.84	1.1777
19	10	Unbiased	496.78	495.21	-1.5712
20	10	Unbiased	491.91	491.71	-0.2015
21	30	Biased	494.28	492.46	-1.8244
22	30	Biased	494.53	493.84	-0.6985
23	30	Biased	493.91	491.46	-2.4503
24	30	Biased	494.03	491.96	-2.0749
25	30	Biased	491.54	490.83	-0.7022
26	30	Unbiased	492.66	493.96	1.3004
27	30	Unbiased	492.79	492.71	-0.0754
28	30	Unbiased	493.41	492.58	-0.8249
29	30	Unbiased	488.79	489.71	0.9202
30	30	Unbiased	489.79	490.83	1.0466
31	50	Biased	493.41	491.46	-1.9506
32	50	Biased	489.04	488.08	-0.9555
33	50	Biased	491.41	491.58	0.1731
34	50	Biased	491.79	492.33	0.5488
35	50	Biased	493.53	493.21	-0.3245
36	50	Unbiased	491.04	491.71	0.673
37	50	Unbiased	495.53	495.71	0.1783
38	50	Unbiased	492.41	490.71	-1.7017
39	50	Unbiased	493.41	493.84	0.4258
40	50	Unbiased	494.91	497.59	2.679
41	100	Biased	492.29	487.33	-4.9538
42	100	Biased	486.91	482.45	-4.4602
43	100	Biased	496.78	493.71	-3.0721
44	100	Biased	492.16	486.46	-5.7044
45	100	Biased	496.53	492.21	-4.3231
46	100	Unbiased	490.66	488.08	-2.5794
47	100	Unbiased	493.28	493.59	0.3005
48	100	Unbiased	503.65	502.72	-0.9371
49	100	Unbiased	491.54	493.33	1.7992
50	100	Unbiased	492.29	492.71	0.4243
51	0	Correlation	497.16	497.21	0.0553
53	0	Correlation	493.91	494.21	0.3013
54	0	Correlation	497.03	496.96	-0.07
55	0	Correlation	493.41	493.46	0.0506
56	0	Correlation	489.91	489.83	-0.0789

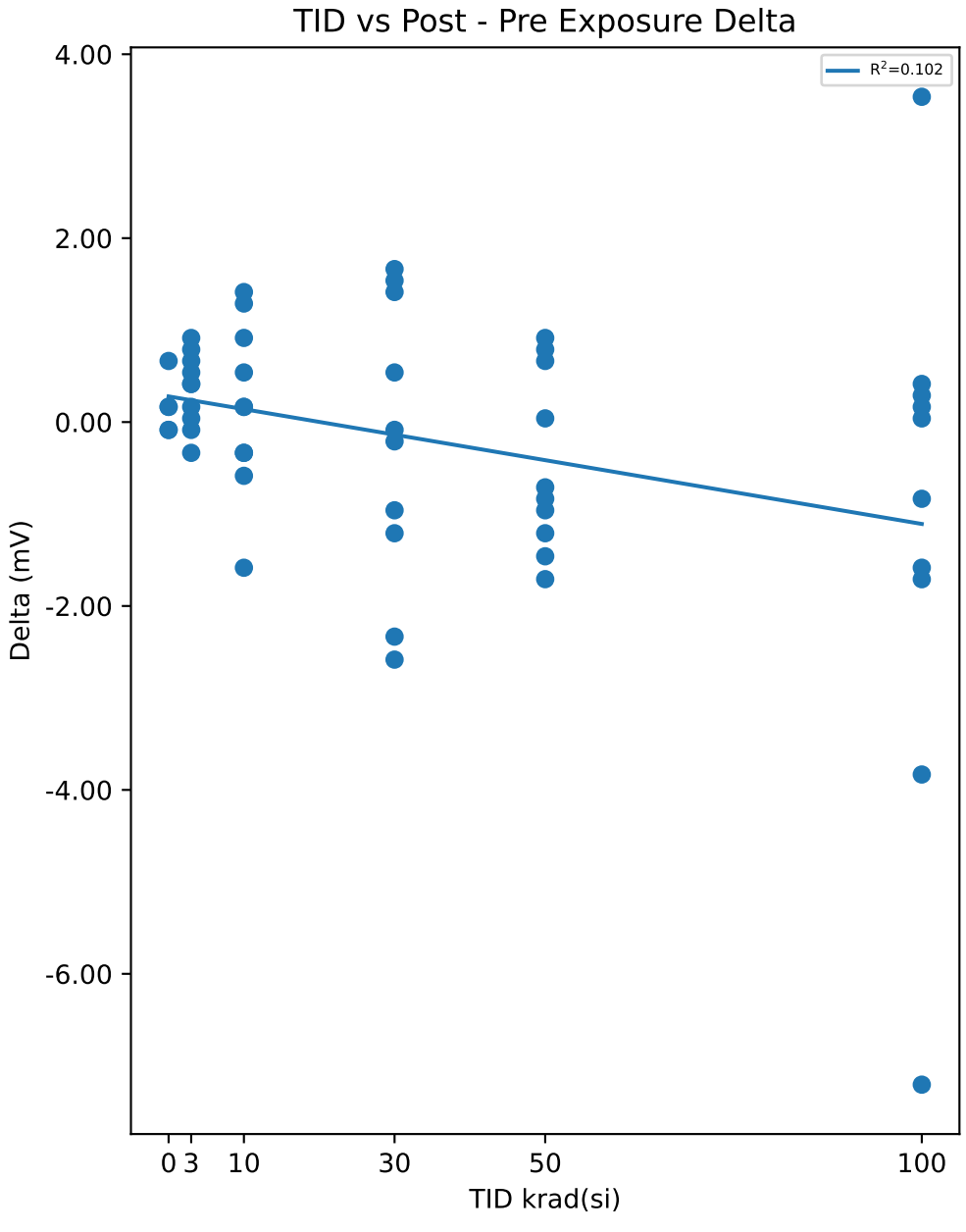


Test Statistics (mV)

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	489.91	494.28	497.16	2.9928	489.83	494.34	497.21	3.0095	-0.0789	0.05166	0.3013	0.15345
3	489.91	492.75	498.66	2.8223	489.96	492.83	497.96	2.6043	-0.6933	0.08724	0.7973	0.41924
10	491.91	494.72	501.28	2.7127	491.08	494.26	501.34	2.8891	-1.5712	-0.46063	1.1777	0.81815
30	488.79	492.57	494.53	1.961	489.71	492.03	493.96	1.355	-2.4503	-0.53834	1.3004	1.335
50	489.04	492.65	495.53	1.9248	488.08	492.62	497.59	2.6591	-1.9506	-0.02543	2.679	1.3286
100	486.91	493.61	503.65	4.5094	482.45	491.26	502.72	5.5388	-5.7044	-2.3506	1.7992	2.601

Device Test: 13.45; VTH_WDI_RISE





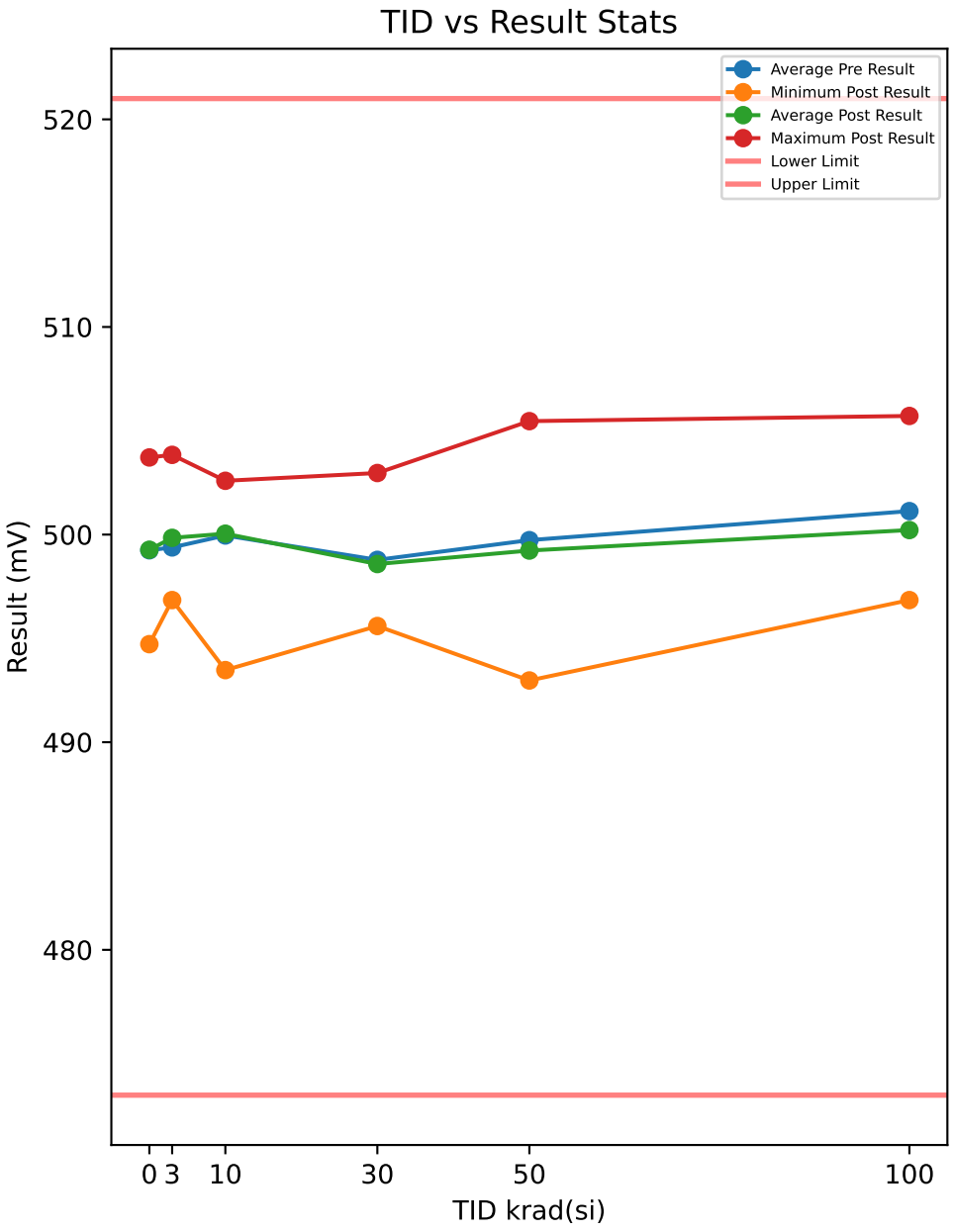
Test Results (Lower Limit = 578.0, Upper Limit = 624.0 (mV))

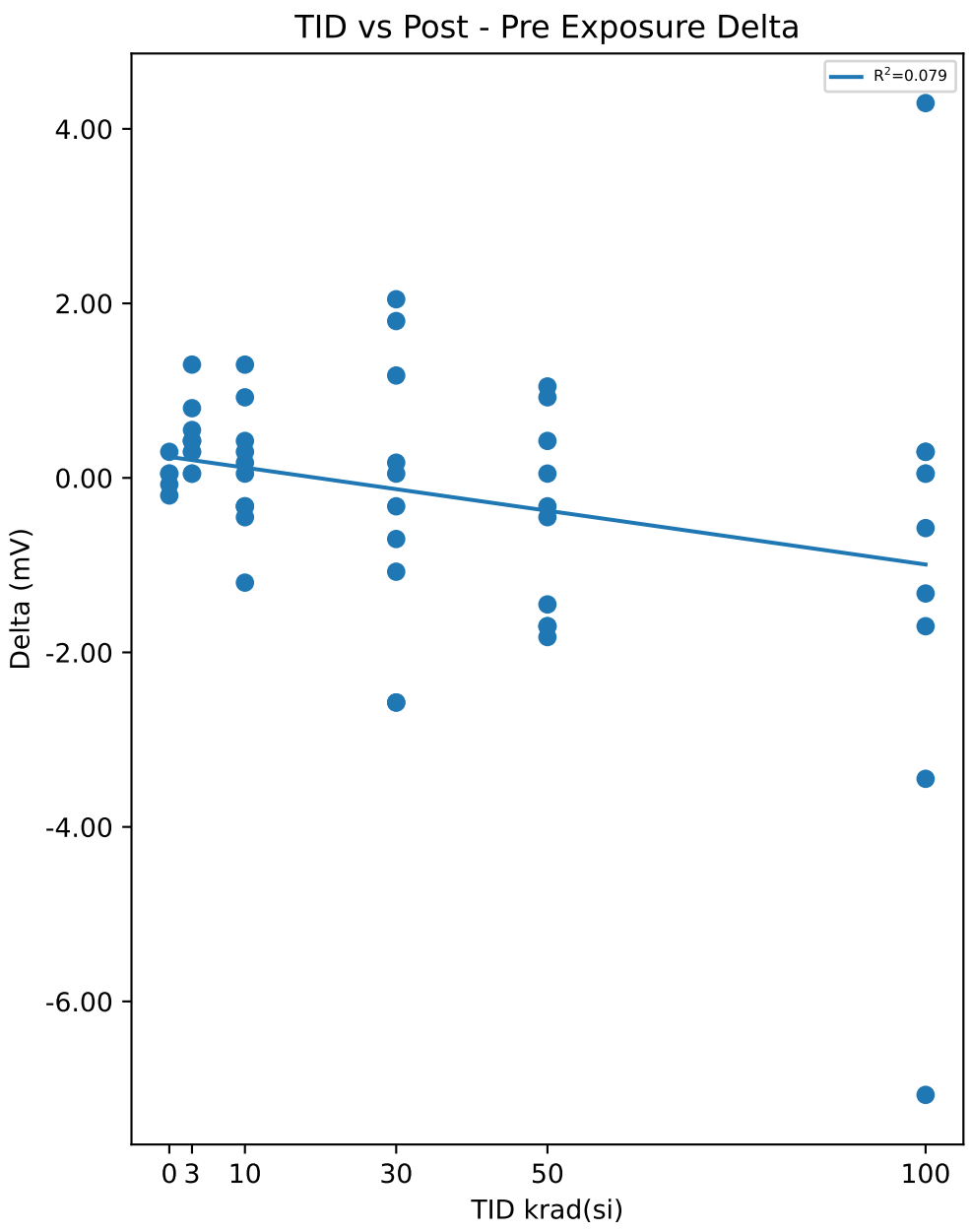
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	599.48	599.52	0.0399
2	3	Biased	599.85	600.27	0.4146
3	3	Biased	598.85	599.77	0.9144
4	3	Biased	599.48	599.14	-0.3347
5	3	Biased	599.85	600.27	0.4146
6	3	Unbiased	596.86	597.02	0.1651
7	3	Unbiased	600.6	601.14	0.5395
8	3	Unbiased	603.98	603.89	-0.0853
9	3	Unbiased	599.48	600.27	0.7893
10	3	Unbiased	595.86	596.52	0.6648
11	10	Biased	602.35	600.77	-1.5841
12	10	Biased	599.23	599.39	0.165
13	10	Biased	592.73	593.65	0.915
14	10	Biased	600.23	599.89	-0.3348
15	10	Biased	600.48	600.14	-0.3348
16	10	Unbiased	600.23	601.64	1.4139
17	10	Unbiased	599.85	599.27	-0.5846
18	10	Unbiased	599.35	600.64	1.289
19	10	Unbiased	600.6	600.77	0.1648
20	10	Unbiased	601.73	602.27	0.5394
21	30	Biased	597.23	597.02	-0.2097
22	30	Biased	600.35	599.39	-0.9593
23	30	Biased	601.1	602.77	1.6636
24	30	Biased	597.23	596.02	-1.2089
25	30	Biased	598.23	595.9	-2.3332
26	30	Unbiased	601.1	598.52	-2.5832
27	30	Unbiased	600.35	601.89	1.5388
28	30	Unbiased	601.85	602.39	0.5394
29	30	Unbiased	594.73	596.15	1.4144
30	30	Unbiased	595.36	595.27	-0.0846
31	50	Biased	596.11	594.9	-1.2088
32	50	Biased	594.48	592.77	-1.7083
33	50	Biased	595.98	595.15	-0.8341
34	50	Biased	603.48	602.77	-0.7098
35	50	Biased	606.35	604.89	-1.4595
36	50	Unbiased	599.1	599.77	0.6646
37	50	Unbiased	598.98	599.02	0.04
38	50	Unbiased	598.23	599.14	0.9145
39	50	Unbiased	599.48	598.52	-0.9593
40	50	Unbiased	602.35	603.14	0.7891
41	100	Biased	597.23	597.39	0.165
42	100	Biased	602.73	601.02	-1.7089
43	100	Biased	603.23	599.39	-3.8324
44	100	Biased	604.85	597.64	-7.205
45	100	Biased	597.98	596.4	-1.5837
46	100	Unbiased	601.6	601.64	0.0398
47	100	Unbiased	597.23	596.4	-0.8342
48	100	Unbiased	601.98	602.27	0.2896
49	100	Unbiased	601.1	604.64	3.5372
50	100	Unbiased	601.1	601.52	0.4145
51	0	Correlation	601.35	602.02	0.6644
53	0	Correlation	599.85	599.77	-0.0849
54	0	Correlation	594.61	594.77	0.1654
55	0	Correlation	603.6	603.52	-0.0853
56	0	Correlation	595.98	596.15	0.1652

Test Statistics (mV)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	594.61	599.08	603.6	3.7354	594.77	599.24	603.52	3.7351	-0.0853	0.16496	0.6644	0.30598
3	595.86	599.43	603.98	2.1638	596.52	599.78	603.89	2.0595	-0.3347	0.35222	0.9144	0.40048
10	592.73	599.68	602.35	2.6251	593.65	599.84	602.27	2.3679	-1.5841	0.16488	1.4139	0.92175
30	594.73	598.75	601.85	2.547	595.27	598.53	602.77	2.9195	-2.5832	-0.22227	1.6636	1.545
50	594.48	599.45	606.35	3.6811	592.77	599.01	604.89	3.9059	-1.7083	-0.44716	0.9145	0.97366
100	597.23	600.9	604.85	2.6151	596.4	599.83	604.64	2.8105	-7.205	-1.0718	3.5372	2.8681

Device Test: 13.46; VTH_WDI_FALL





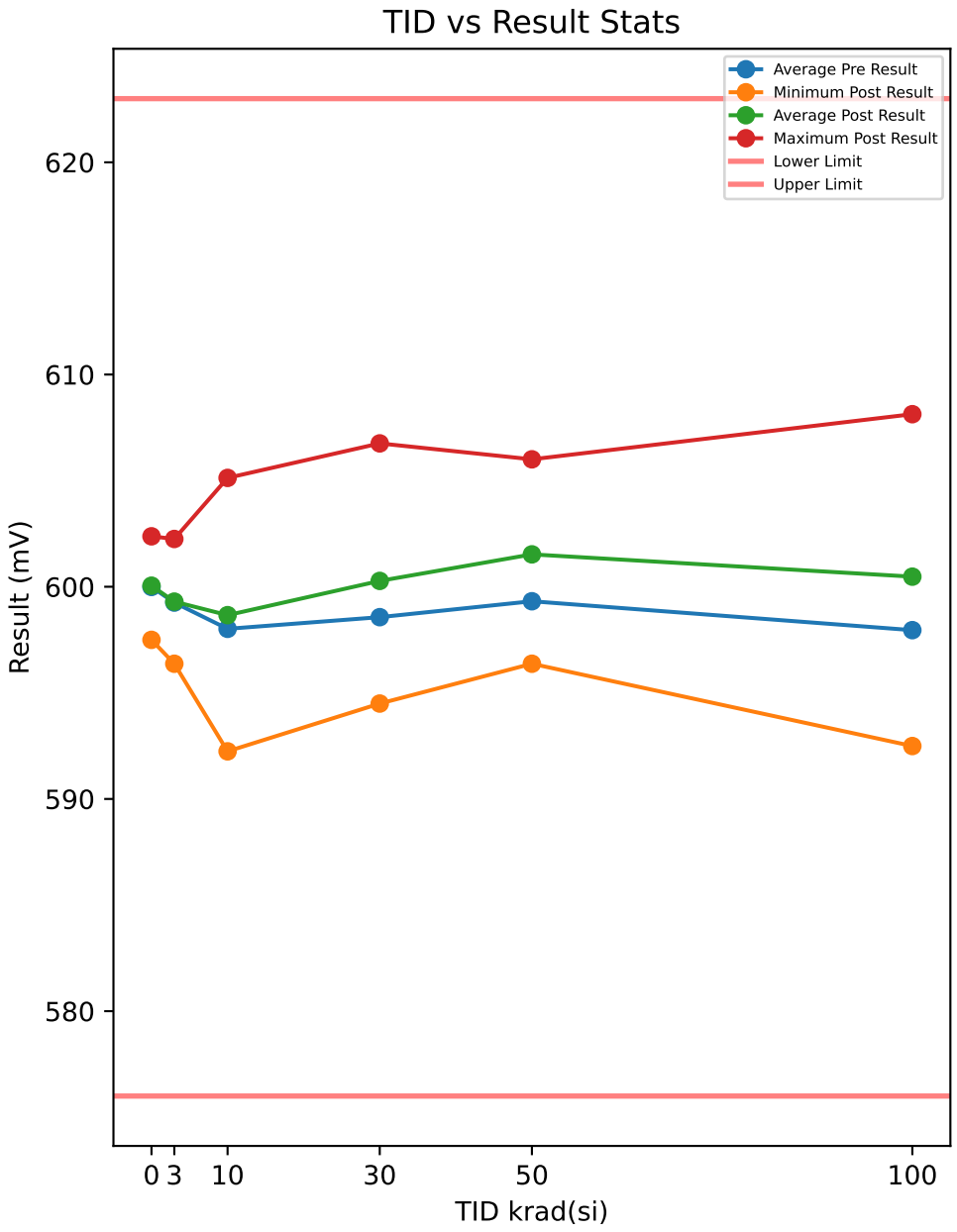
Test Results (Lower Limit = 473.0, Upper Limit = 521.0 (mV))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	499.42	499.84	0.4236
2	3	Biased	499.67	500.22	0.5485
3	3	Biased	498.92	499.72	0.7984
4	3	Biased	499.29	499.34	0.0489
5	3	Biased	500.29	500.72	0.4235
6	3	Unbiased	496.42	496.85	0.4239
7	3	Unbiased	500.67	500.97	0.2986
8	3	Unbiased	503.79	503.84	0.0486
9	3	Unbiased	499.79	500.09	0.2987
10	3	Unbiased	495.55	496.85	1.2983
11	10	Biased	502.17	500.97	-1.2004
12	10	Biased	500.29	499.97	-0.3259
13	10	Biased	493.17	493.47	0.2993
14	10	Biased	500.54	500.72	0.1737
15	10	Biased	500.67	500.22	-0.4509
16	10	Unbiased	500.54	501.84	1.2979
17	10	Unbiased	499.79	499.47	-0.3258
18	10	Unbiased	499.67	500.59	0.9232
19	10	Unbiased	500.54	500.59	0.0488
20	10	Unbiased	502.17	502.59	0.4234
21	30	Biased	497.17	496.85	-0.3256
22	30	Biased	500.04	499.34	-0.7006
23	30	Biased	500.92	502.97	2.0472
24	30	Biased	497.42	496.35	-1.0751
25	30	Biased	498.17	495.6	-2.574
26	30	Unbiased	501.29	498.72	-2.5743
27	30	Unbiased	500.04	501.84	1.7975
28	30	Unbiased	502.54	502.59	0.0487
29	30	Unbiased	494.8	495.97	1.1735
30	30	Unbiased	495.42	495.6	0.1742
31	50	Biased	496.55	494.85	-1.6995
32	50	Biased	494.8	492.97	-1.8242
33	50	Biased	496.05	495.6	-0.4504
34	50	Biased	504.04	502.59	-1.4503
35	50	Biased	507.16	505.46	-1.7004
36	50	Unbiased	499.29	499.72	0.4236
37	50	Unbiased	499.42	499.09	-0.3258
38	50	Unbiased	498.05	498.97	0.9234
39	50	Unbiased	499.42	499.47	0.0489
40	50	Unbiased	502.54	503.59	1.0479
41	100	Biased	497.55	497.6	0.0491
42	100	Biased	502.67	500.97	-1.7
43	100	Biased	503.54	500.09	-3.4488
44	100	Biased	505.54	498.47	-7.0712
45	100	Biased	498.17	496.85	-1.325
46	100	Unbiased	501.92	501.97	0.0487
47	100	Unbiased	497.55	496.97	-0.5754
48	100	Unbiased	501.92	502.22	0.2985
49	100	Unbiased	501.42	505.71	4.2955
50	100	Unbiased	501.04	501.34	0.2986
51	0	Correlation	501.79	501.84	0.0487
53	0	Correlation	499.67	499.97	0.2987
54	0	Correlation	494.8	494.72	-0.0755
55	0	Correlation	503.92	503.72	-0.2014
56	0	Correlation	496.05	496.1	0.0492

Test Statistics (mV)

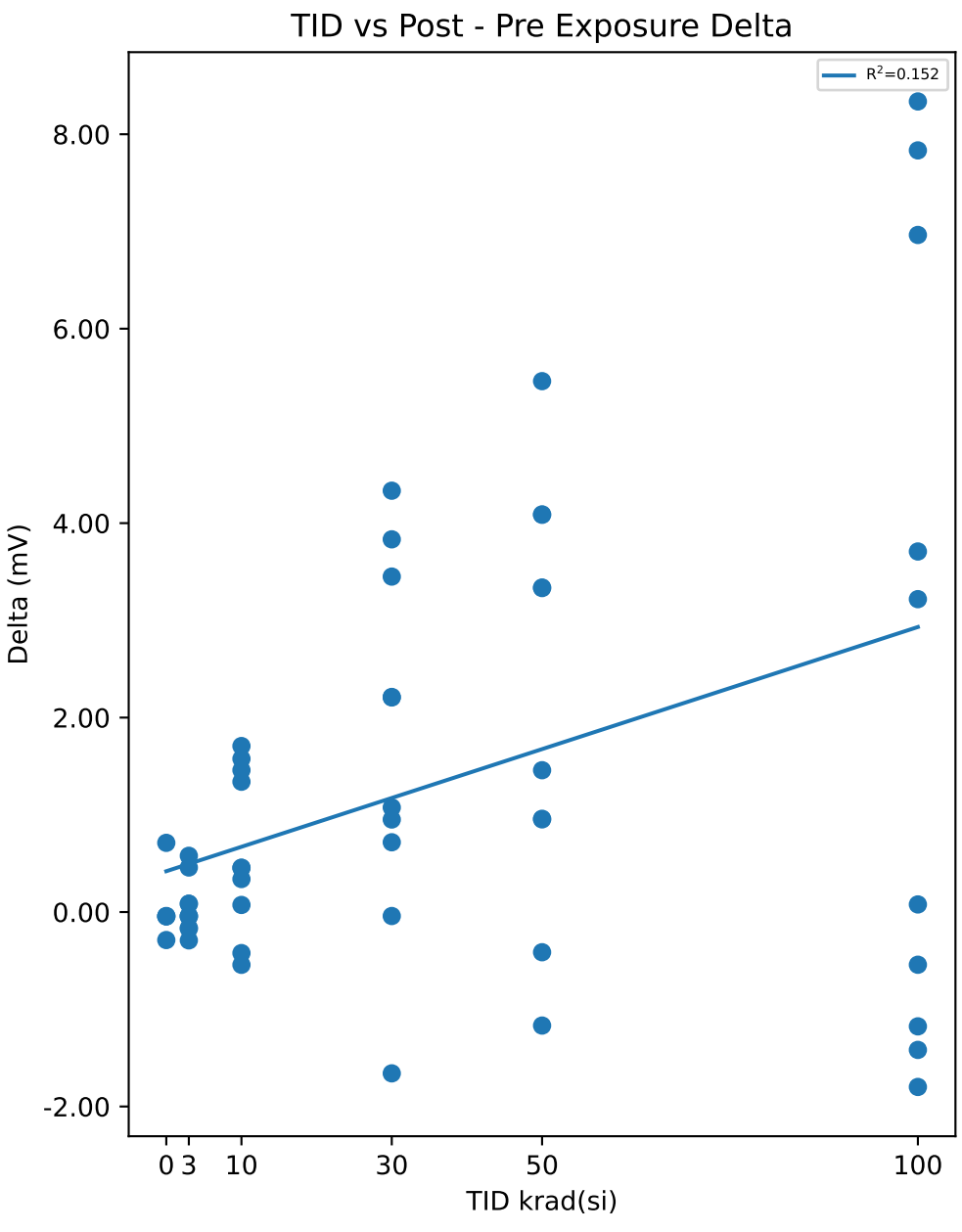
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	494.8	499.24	503.92	3.8244	494.72	499.27	503.72	3.7953	-0.2014	0.02394	0.2987	0.18534
3	495.55	499.38	503.79	2.2578	496.85	499.84	503.84	2.0123	0.0486	0.4611	1.2983	0.36808
10	493.17	499.96	502.17	2.5287	493.47	500.04	502.59	2.476	-1.2004	0.08633	1.2979	0.7165
30	494.8	498.78	502.54	2.586	495.6	498.58	502.97	2.966	-2.5743	-0.20085	2.0472	1.6136
50	494.8	499.73	507.16	3.8445	492.97	499.23	505.46	3.9597	-1.8242	-0.50068	1.0479	1.1128
100	497.55	501.13	505.54	2.6545	496.85	500.22	505.71	2.8078	-7.0712	-0.913	4.2955	2.9282

Device Test: 13.48; VTH_MODE_RISE



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

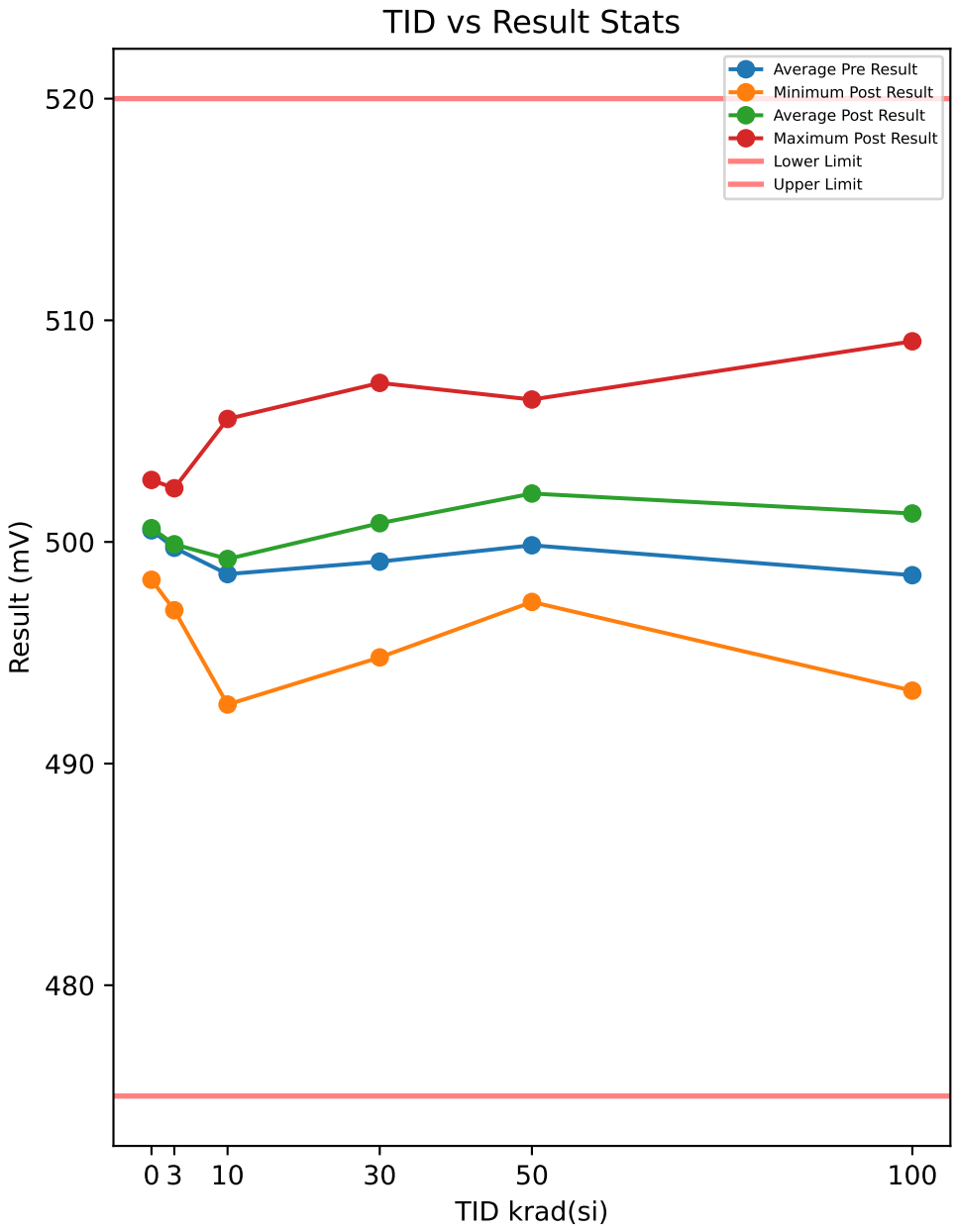
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	601.29	601.38	0.0857
2	3	Biased	600.67	600.75	0.0847
3	3	Biased	599.67	599.62	-0.0417
4	3	Biased	595.92	596.5	0.5786
5	3	Biased	599.29	599.75	0.4582
6	3	Unbiased	600.04	599.75	-0.2914
7	3	Unbiased	596.42	596.37	-0.0462
8	3	Unbiased	600.29	600.25	-0.0408
9	3	Unbiased	602.41	602.25	-0.163
10	3	Unbiased	596.54	596.37	-0.1711
11	10	Biased	599.67	601.13	1.4595
12	10	Biased	596.54	597	0.4545
13	10	Biased	593.79	595.37	1.5765
14	10	Biased	603.79	605.13	1.3402
15	10	Biased	598.04	599.75	1.7074
16	10	Unbiased	599.17	598.62	-0.5428
17	10	Unbiased	595.92	595.5	-0.4221
18	10	Unbiased	603.91	604.25	0.3395
19	10	Unbiased	592.17	592.24	0.073
20	10	Unbiased	597.17	597.62	0.4554
21	30	Biased	597.42	601.75	4.3337
22	30	Biased	597.54	601.38	3.8335
23	30	Biased	591.92	595.37	3.4504
24	30	Biased	597.54	599.75	2.2072
25	30	Biased	601.17	603.38	2.2122
26	30	Unbiased	600.17	600.12	-0.0409
27	30	Unbiased	606.04	604.38	-1.6592
28	30	Unbiased	594.42	595.37	0.9518
29	30	Unbiased	606.04	606.75	0.7177
30	30	Unbiased	593.42	594.5	1.0757
31	50	Biased	600.92	604.25	3.3377
32	50	Biased	598.04	603.5	5.4604
33	50	Biased	601.91	606	4.0898
34	50	Biased	599.17	603.25	4.0859
35	50	Biased	596.92	600.25	3.3322
36	50	Unbiased	602.29	601.88	-0.4134
37	50	Unbiased	599.67	600.63	0.9591
38	50	Unbiased	599.17	600.63	1.4588
39	50	Unbiased	595.42	596.37	0.9532
40	50	Unbiased	599.67	598.5	-1.1676
41	100	Biased	597.67	606	8.3373
42	100	Biased	599.67	606.63	6.964
43	100	Biased	595.54	603.38	7.8339
44	100	Biased	597.54	601.25	3.7084
45	100	Biased	604.91	608.13	3.2182
46	100	Unbiased	595.42	593.62	-1.799
47	100	Unbiased	595.92	596	0.0782
48	100	Unbiased	599.54	598.12	-1.418
49	100	Unbiased	593.67	592.49	-1.1758
50	100	Unbiased	599.67	599.12	-0.542
51	0	Correlation	602.54	602.25	-0.2879
53	0	Correlation	598.04	598	-0.0439
54	0	Correlation	600.17	600.12	-0.0409
55	0	Correlation	597.54	597.5	-0.0446
56	0	Correlation	601.66	602.38	0.7117



Test Statistics (mV)

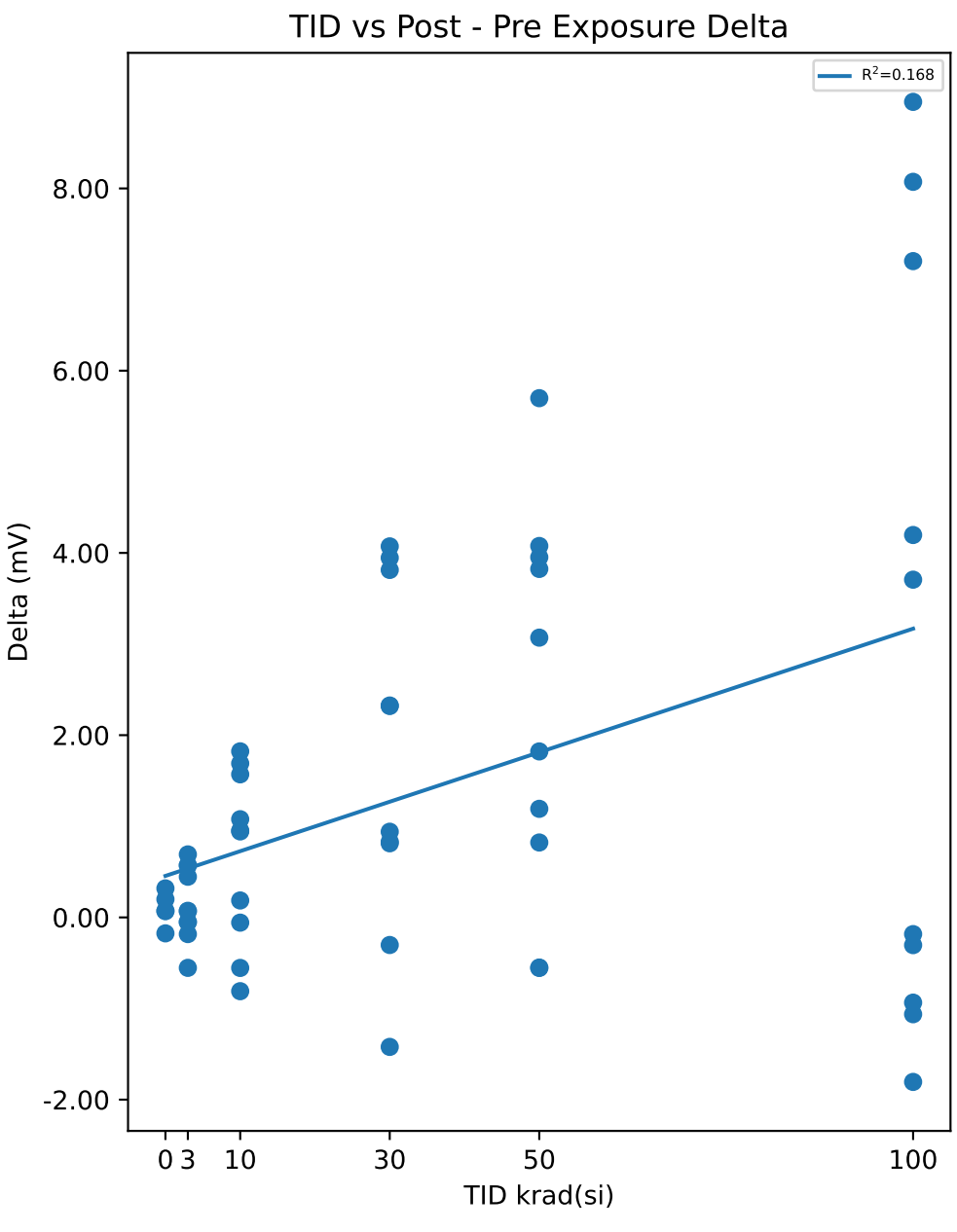
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	597.54	599.99	602.54	2.1864	597.5	600.05	602.38	2.2907	-0.2879	0.05888	0.7117	0.38002
3	595.92	599.25	602.41	2.2239	596.37	599.3	602.25	2.1484	-0.2914	0.0453	0.5786	0.27589
10	592.17	598.02	603.91	3.8215	592.24	598.66	605.13	4.0309	-0.5428	0.64411	1.7074	0.82902
30	591.92	598.57	606.04	4.8559	594.5	600.27	606.75	4.1318	-1.6592	1.7082	4.3337	1.8649
50	595.42	599.32	602.29	2.1346	596.37	601.53	606	2.8575	-1.1676	2.2096	5.4604	2.164
100	593.67	597.95	604.91	3.1937	592.49	600.48	608.13	5.5198	-1.799	2.5205	8.3373	4.0399

Device Test: 13.49; VTH_MODE_FALL



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

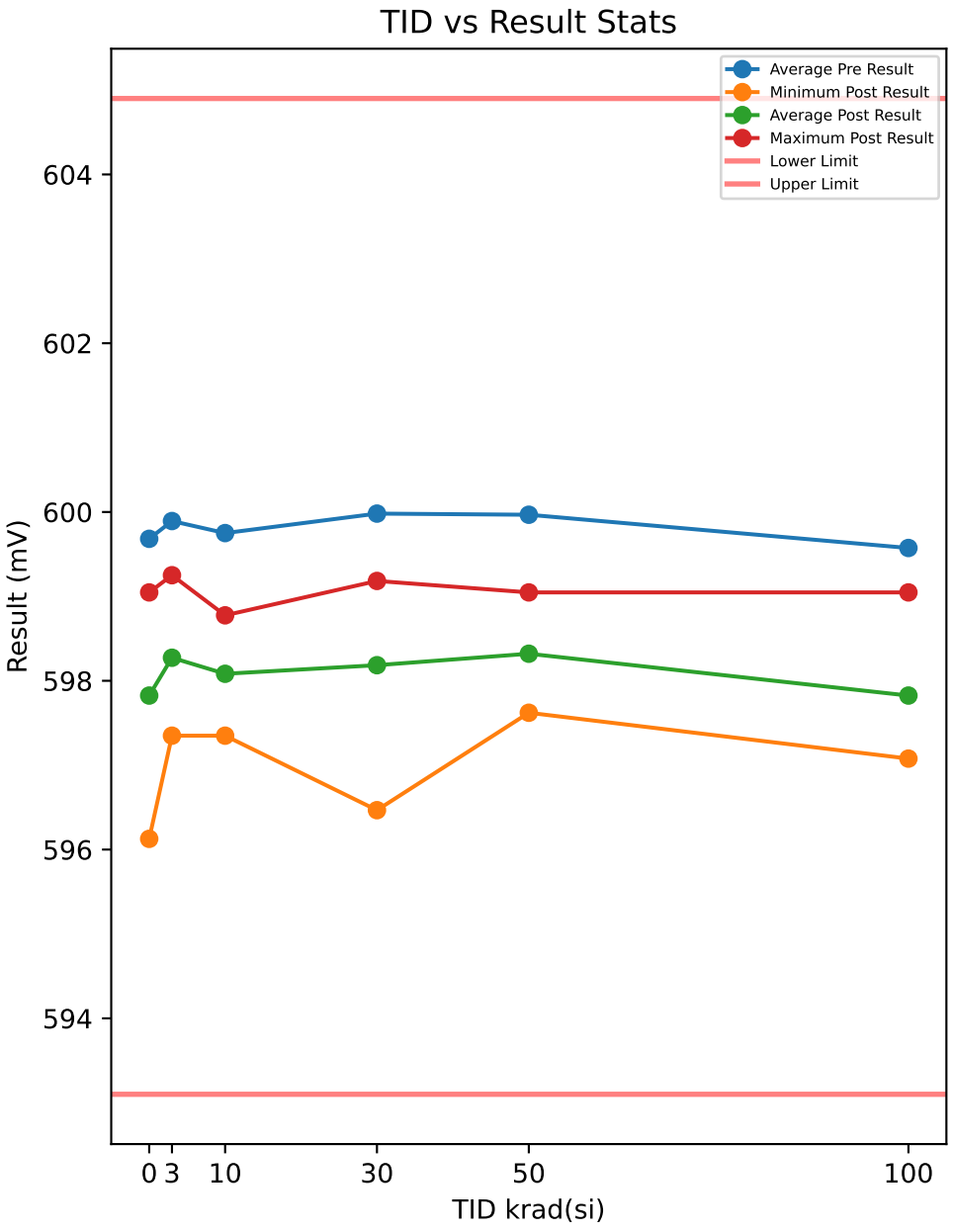
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	502.1	502.05	-0.0511
2	3	Biased	500.97	501.05	0.0725
3	3	Biased	499.85	500.3	0.4463
4	3	Biased	496.23	496.92	0.6915
5	3	Biased	500.22	500.8	0.5718
6	3	Unbiased	500.6	500.04	-0.5536
7	3	Unbiased	497.23	497.04	-0.1829
8	3	Unbiased	500.22	500.8	0.5718
9	3	Unbiased	502.47	502.42	-0.0505
10	3	Unbiased	497.48	497.54	0.0676
11	10	Biased	499.97	501.8	1.8225
12	10	Biased	497.48	497.42	-0.0574
13	10	Biased	494.48	496.17	1.6898
14	10	Biased	504.6	505.55	0.9531
15	10	Biased	498.47	500.04	1.5702
16	10	Unbiased	499.97	499.42	-0.5544
17	10	Unbiased	496.23	495.42	-0.8097
18	10	Unbiased	504.1	505.17	1.0776
19	10	Unbiased	492.48	492.66	0.1859
20	10	Unbiased	497.73	498.67	0.9436
21	30	Biased	498.22	502.3	4.0718
22	30	Biased	497.85	501.8	3.9463
23	30	Biased	492.1	495.92	3.8133
24	30	Biased	497.98	500.3	2.3202
25	30	Biased	501.72	504.05	2.3253
26	30	Unbiased	501.1	500.8	-0.3027
27	30	Unbiased	506.6	505.17	-1.421
28	30	Unbiased	495.23	496.17	0.9403
29	30	Unbiased	506.35	507.18	0.8305
30	30	Unbiased	493.98	494.79	0.8135
31	50	Biased	501.22	505.3	4.0761
32	50	Biased	498.35	504.05	5.6983
33	50	Biased	502.47	506.43	3.9527
34	50	Biased	500.1	503.92	3.8243
35	50	Biased	497.73	500.8	3.0703
36	50	Unbiased	502.85	502.3	-0.5505
37	50	Unbiased	500.22	501.05	0.8221
38	50	Unbiased	499.35	501.17	1.8216
39	50	Unbiased	496.1	497.29	1.1917
40	50	Unbiased	500.1	499.54	-0.5542
41	100	Biased	497.73	506.68	8.95
42	100	Biased	500.22	507.43	7.2021
43	100	Biased	496.35	504.42	8.0725
44	100	Biased	498.1	502.3	4.1967
45	100	Biased	505.35	509.05	3.7064
46	100	Unbiased	495.85	494.92	-0.9353
47	100	Unbiased	496.85	496.67	-0.1833
48	100	Unbiased	500.1	498.29	-1.8053
49	100	Unbiased	494.35	493.29	-1.0625
50	100	Unbiased	500.1	499.79	-0.3041
51	0	Correlation	502.97	502.8	-0.1749
53	0	Correlation	498.47	498.54	0.069
54	0	Correlation	500.85	500.92	0.0723
55	0	Correlation	497.98	498.29	0.3185
56	0	Correlation	502.35	502.55	0.1994

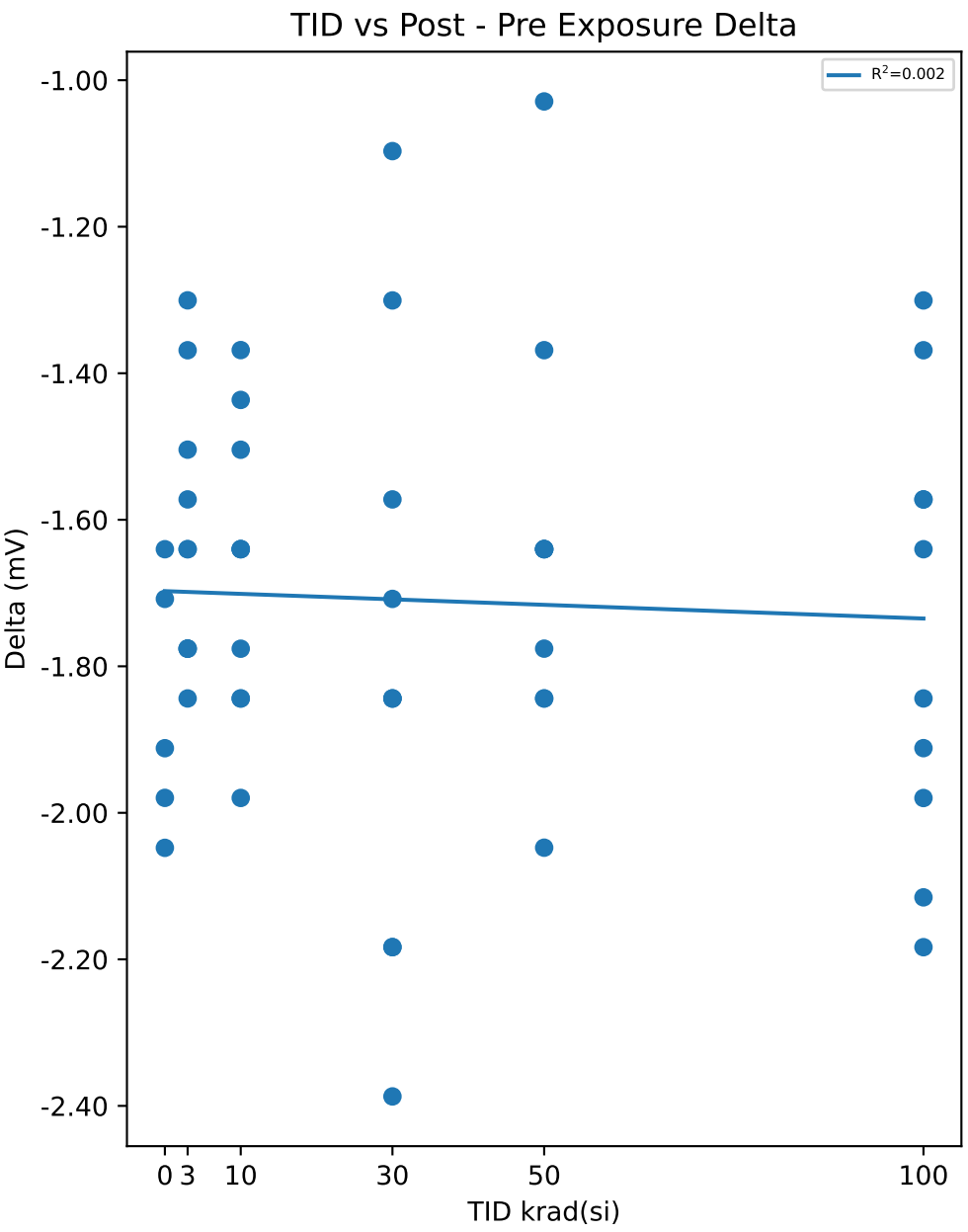


Test Statistics (mV)

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	497.98	500.52	502.97	2.2428	498.29	500.62	502.8	2.137	-0.1749	0.09686	0.3185	0.18362
3	496.23	499.74	502.47	2.0966	496.92	499.89	502.42	2.0187	-0.5536	0.15834	0.6915	0.39937
10	492.48	498.55	504.6	3.8307	492.66	499.23	505.55	4.1256	-0.8097	0.68212	1.8225	0.93988
30	492.1	499.11	506.6	4.8686	494.79	500.85	507.18	4.1529	-1.421	1.7337	4.0718	1.8789
50	496.1	499.85	502.85	2.0838	497.29	502.18	506.43	2.7758	-0.5542	2.3352	5.6983	2.1148
100	494.35	498.5	505.35	3.1139	493.29	501.28	509.05	5.5272	-1.8053	2.7837	8.95	4.1685

Device Test: 13.5; VTH_SENSE





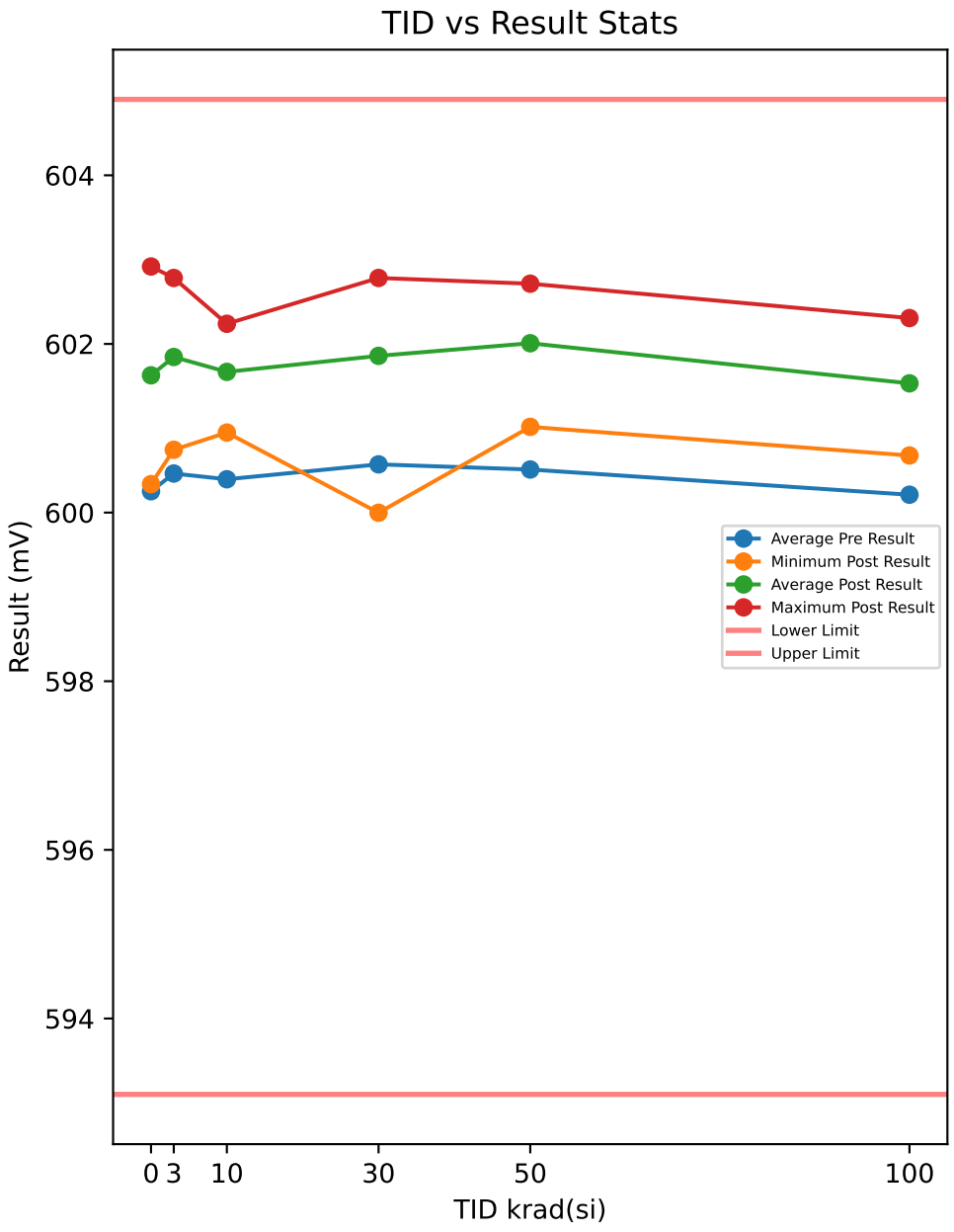
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

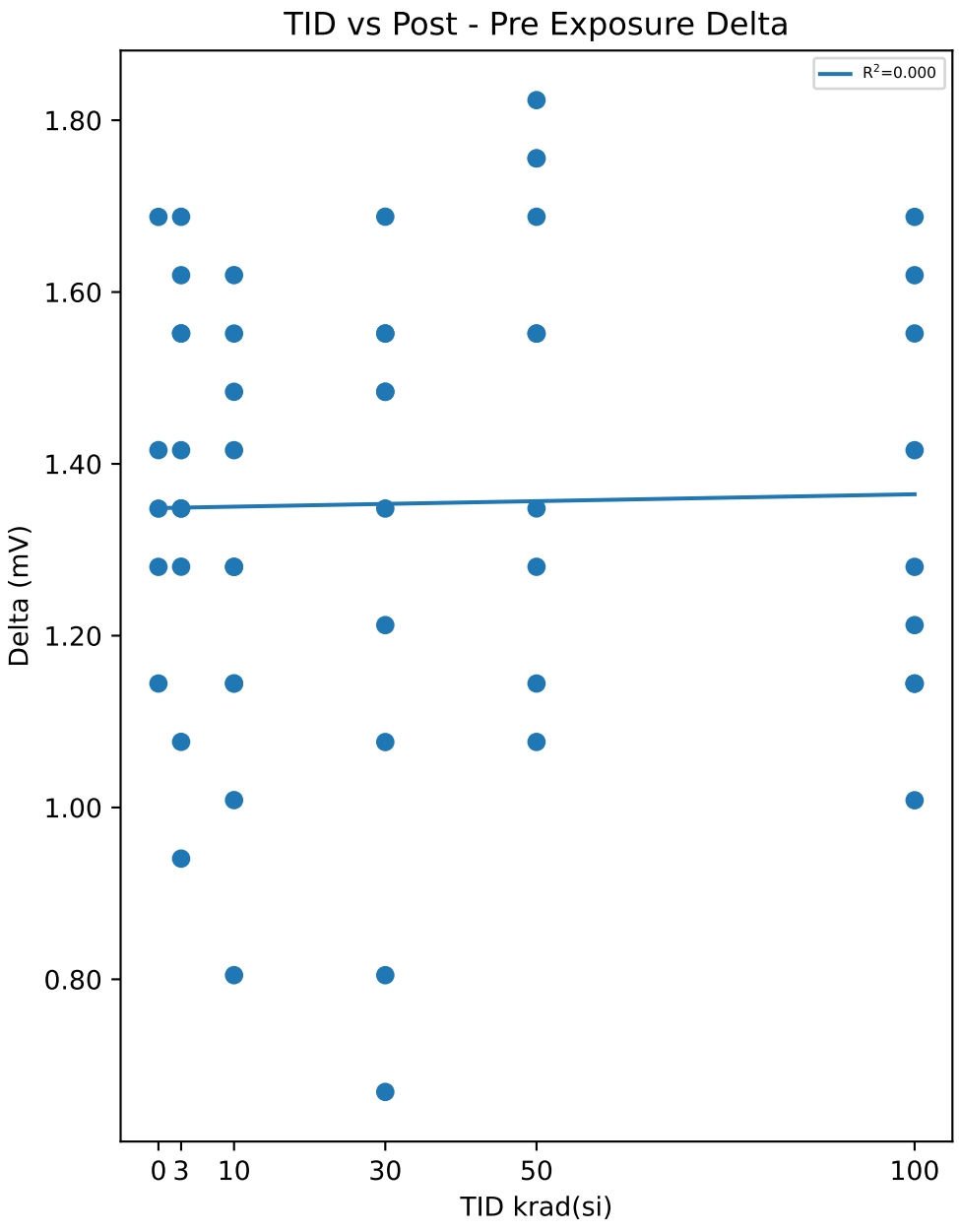
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.69	598.91	-1.7759
2	3	Biased	601.03	599.25	-1.7758
3	3	Biased	600.42	598.91	-1.5043
4	3	Biased	599.94	598.3	-1.6402
5	3	Biased	599.13	597.76	-1.3686
6	3	Unbiased	599.53	597.96	-1.5722
7	3	Unbiased	599.53	597.89	-1.6401
8	3	Unbiased	600.08	598.78	-1.3005
9	3	Unbiased	599.4	597.62	-1.776
10	3	Unbiased	599.19	597.35	-1.8439
11	10	Biased	599.6	597.82	-1.776
12	10	Biased	598.99	597.49	-1.5044
13	10	Biased	599.53	597.89	-1.6401
14	10	Biased	599.19	597.35	-1.8439
15	10	Biased	600.42	598.78	-1.6401
16	10	Unbiased	599.87	598.23	-1.6401
17	10	Unbiased	600.21	598.37	-1.8439
18	10	Unbiased	600.08	598.71	-1.3684
19	10	Unbiased	600.14	598.16	-1.9797
20	10	Unbiased	599.47	598.03	-1.4364
21	30	Biased	599.87	598.03	-1.8438
22	30	Biased	600.55	598.84	-1.708
23	30	Biased	600.28	599.18	-1.0968
24	30	Biased	600.69	599.12	-1.5722
25	30	Biased	600.62	598.44	-2.1833
26	30	Unbiased	600.08	597.89	-2.1833
27	30	Unbiased	600.35	597.96	-2.3871
28	30	Unbiased	598.31	596.47	-1.844
29	30	Unbiased	600.35	599.05	-1.3006
30	30	Unbiased	598.72	596.87	-1.8439
31	50	Biased	600.08	598.44	-1.64
32	50	Biased	599.87	598.1	-1.7759
33	50	Biased	600.01	598.37	-1.6401
34	50	Biased	600.21	598.57	-1.6402
35	50	Biased	599.87	598.23	-1.6401
36	50	Unbiased	600.42	599.05	-1.3685
37	50	Unbiased	599.26	598.23	-1.029
38	50	Unbiased	600.35	598.5	-1.8439
39	50	Unbiased	599.47	597.62	-1.8439
40	50	Unbiased	600.14	598.1	-2.0476
41	100	Biased	600.01	597.89	-2.1154
42	100	Biased	599.06	597.08	-1.9798
43	100	Biased	599.26	597.69	-1.5723
44	100	Biased	599.53	597.69	-1.8439
45	100	Biased	598.65	597.28	-1.3686
46	100	Unbiased	600.01	598.1	-1.9117
47	100	Unbiased	600.42	598.84	-1.5722
48	100	Unbiased	600.35	599.05	-1.3006
49	100	Unbiased	598.92	597.28	-1.6402
50	100	Unbiased	599.53	597.35	-2.1834
51	0	Correlation	600.48	598.78	-1.708
53	0	Correlation	601.03	599.05	-1.9796
54	0	Correlation	599.33	597.69	-1.6402
55	0	Correlation	598.17	596.13	-2.0478
56	0	Correlation	599.4	597.49	-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	598.17	599.68	601.03	1.11	596.13	597.82	599.05	1.1635	-2.0478	-1.8575	-1.6402	0.17581
3	599.13	599.89	601.03	0.65057	597.35	598.27	599.25	0.65074	-1.8439	-1.6198	-1.3005	0.18403
10	598.99	599.75	600.42	0.46806	597.35	598.08	598.78	0.46919	-1.9797	-1.6673	-1.3684	0.19528
30	598.31	599.98	600.69	0.81626	596.47	598.18	599.18	0.93884	-2.3871	-1.7963	-1.0968	0.40117
50	599.26	599.97	600.42	0.36806	597.62	598.32	599.05	0.37202	-2.0476	-1.6469	-1.029	0.28172
100	598.65	599.57	600.42	0.60836	597.08	597.82	599.05	0.66845	-2.1834	-1.7488	-1.3006	0.30401

Device Test: 13.6; VTH_SENSE





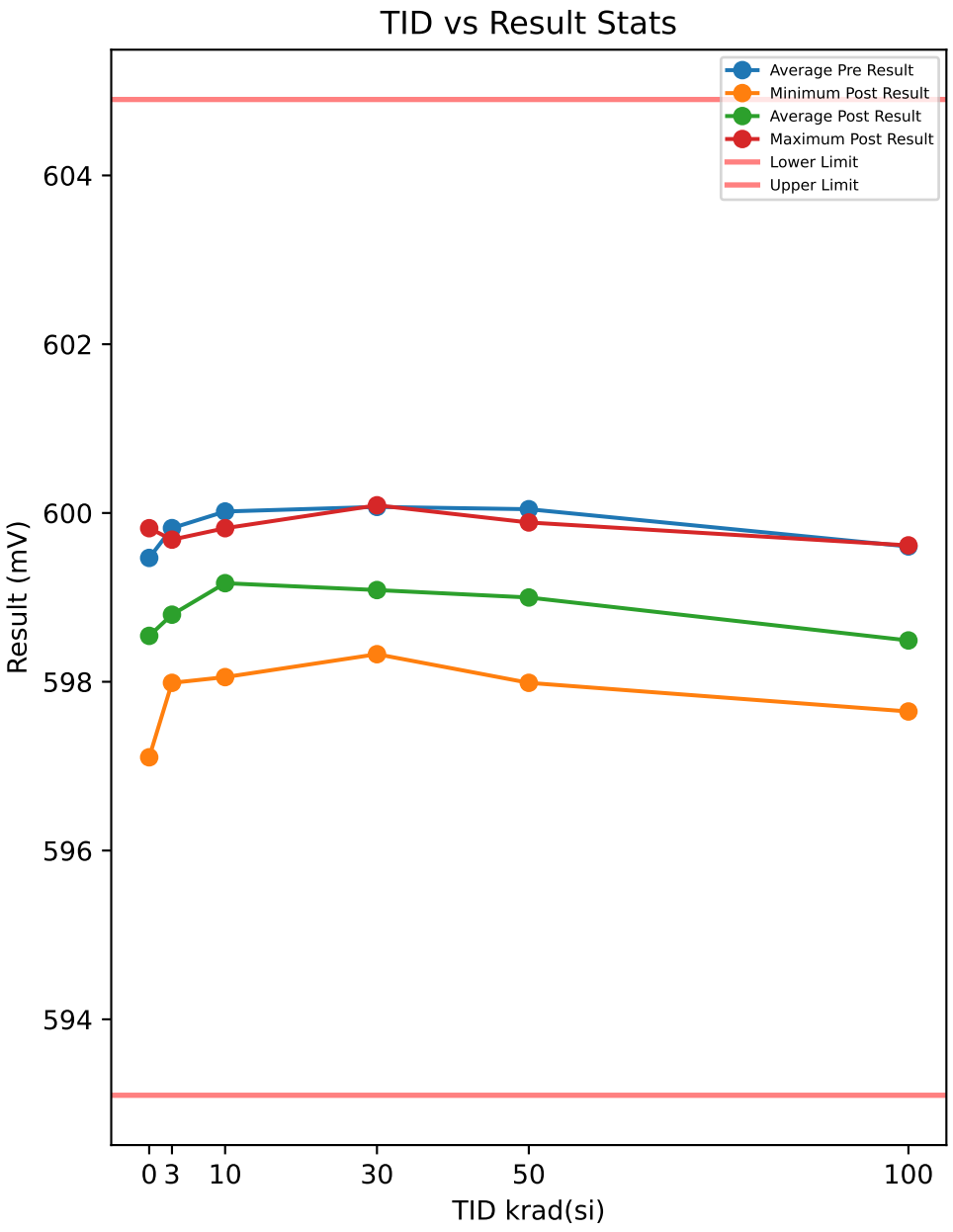
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

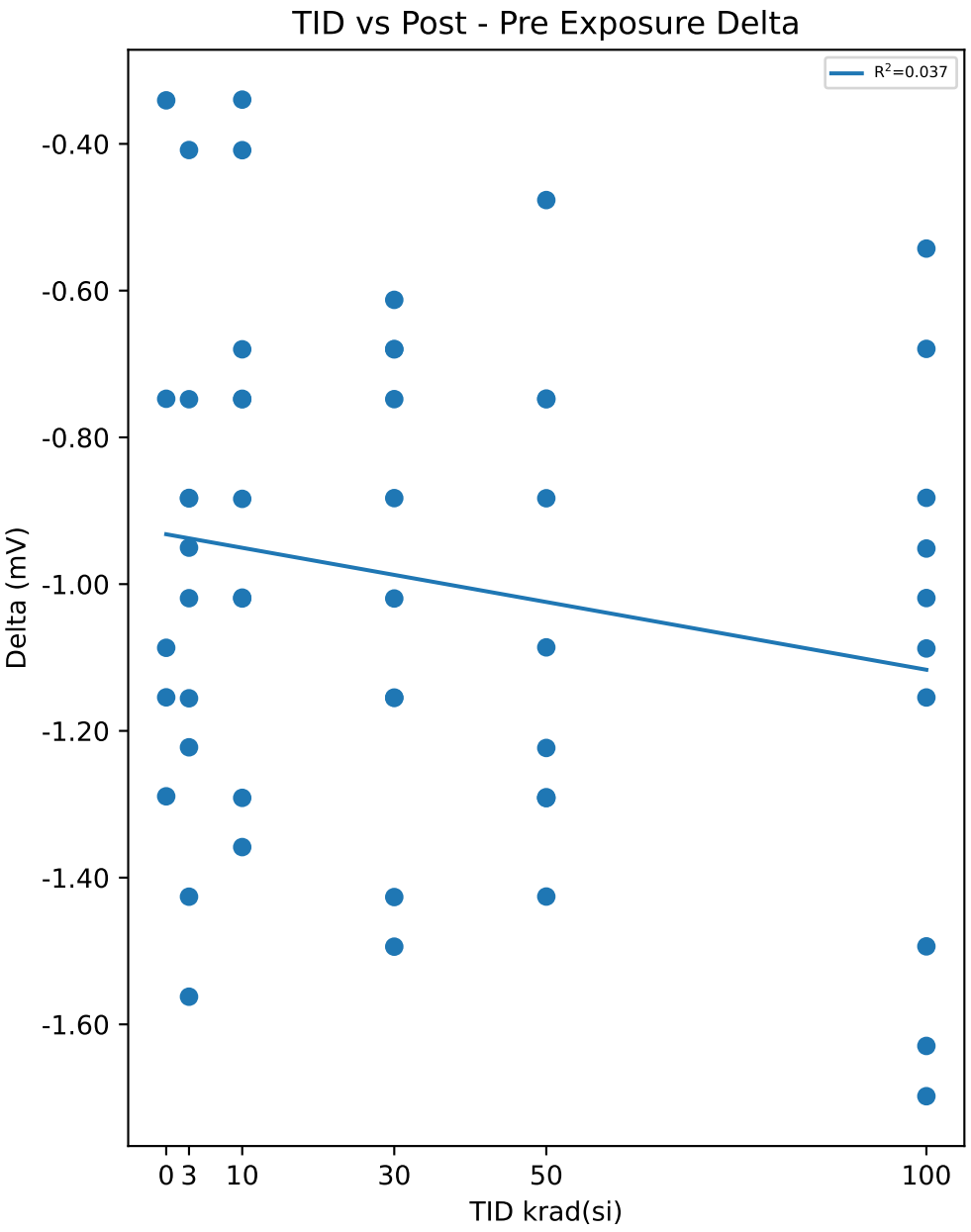
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	601.23	602.78	1.5518
2	3	Biased	601.43	602.71	1.2803
3	3	Biased	600.89	602.58	1.6876
4	3	Biased	600.69	601.76	1.0764
5	3	Biased	599.8	600.75	0.9405
6	3	Unbiased	600.08	601.42	1.3481
7	3	Unbiased	600.08	601.49	1.4159
8	3	Unbiased	600.55	601.9	1.348
9	3	Unbiased	600.01	601.56	1.5518
10	3	Unbiased	599.87	601.49	1.6196
11	10	Biased	600.35	601.76	1.4159
12	10	Biased	599.6	601.15	1.5517
13	10	Biased	600.08	601.7	1.6197
14	10	Biased	599.8	600.95	1.1443
15	10	Biased	601.09	602.24	1.1444
16	10	Unbiased	600.42	601.7	1.2801
17	10	Unbiased	600.96	601.97	1.0086
18	10	Unbiased	600.82	602.1	1.2801
19	10	Unbiased	600.76	601.56	0.8048
20	10	Unbiased	600.08	601.56	1.4839
21	30	Biased	600.28	601.83	1.5517
22	30	Biased	601.09	602.78	1.6877
23	30	Biased	601.03	602.51	1.484
24	30	Biased	601.23	602.58	1.348
25	30	Biased	601.23	602.78	1.5518
26	30	Unbiased	600.69	601.36	0.6689
27	30	Unbiased	600.82	601.63	0.8048
28	30	Unbiased	598.92	600	1.0762
29	30	Unbiased	601.09	602.31	1.2123
30	30	Unbiased	599.33	600.81	1.4838
31	50	Biased	600.76	602.51	1.7556
32	50	Biased	600.28	601.83	1.5517
33	50	Biased	600.55	602.1	1.5517
34	50	Biased	600.69	601.83	1.1443
35	50	Biased	600.48	602.31	1.8234
36	50	Unbiased	600.96	602.71	1.7556
37	50	Unbiased	599.87	601.56	1.6876
38	50	Unbiased	600.96	602.24	1.2802
39	50	Unbiased	599.94	601.02	1.0763
40	50	Unbiased	600.62	601.97	1.3481
41	100	Biased	600.62	601.76	1.1443
42	100	Biased	599.53	600.68	1.1442
43	100	Biased	599.94	601.56	1.6196
44	100	Biased	600.14	601.29	1.1442
45	100	Biased	599.4	601.08	1.6875
46	100	Unbiased	600.76	602.04	1.2801
47	100	Unbiased	601.03	602.24	1.2123
48	100	Unbiased	600.76	602.31	1.5518
49	100	Unbiased	599.74	601.15	1.4159
50	100	Unbiased	600.21	601.22	1.0084
51	0	Correlation	600.96	602.1	1.1443
53	0	Correlation	601.5	602.92	1.416
54	0	Correlation	599.87	601.15	1.2801
55	0	Correlation	598.99	600.34	1.3479
56	0	Correlation	599.94	601.63	1.6875

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	598.99	600.25	601.5	0.98708	600.34	601.63	602.92	0.97232	1.1443	1.3752	1.6875	0.20143
3	599.8	600.46	601.43	0.58333	600.75	601.85	602.78	0.65828	0.9405	1.382	1.6876	0.23796
10	599.6	600.4	601.09	0.50619	600.95	601.67	602.24	0.39753	0.8048	1.2733	1.6197	0.25497
30	598.92	600.57	601.23	0.8199	600	601.86	602.78	0.92575	0.6689	1.2869	1.6877	0.34101
50	599.87	600.51	600.96	0.37902	601.02	602.01	602.71	0.48888	1.0763	1.4975	1.8234	0.26939
100	599.4	600.21	601.03	0.56269	600.68	601.53	602.31	0.54159	1.0084	1.3208	1.6875	0.2335

Device Test: 13.7; VTH_SENSE





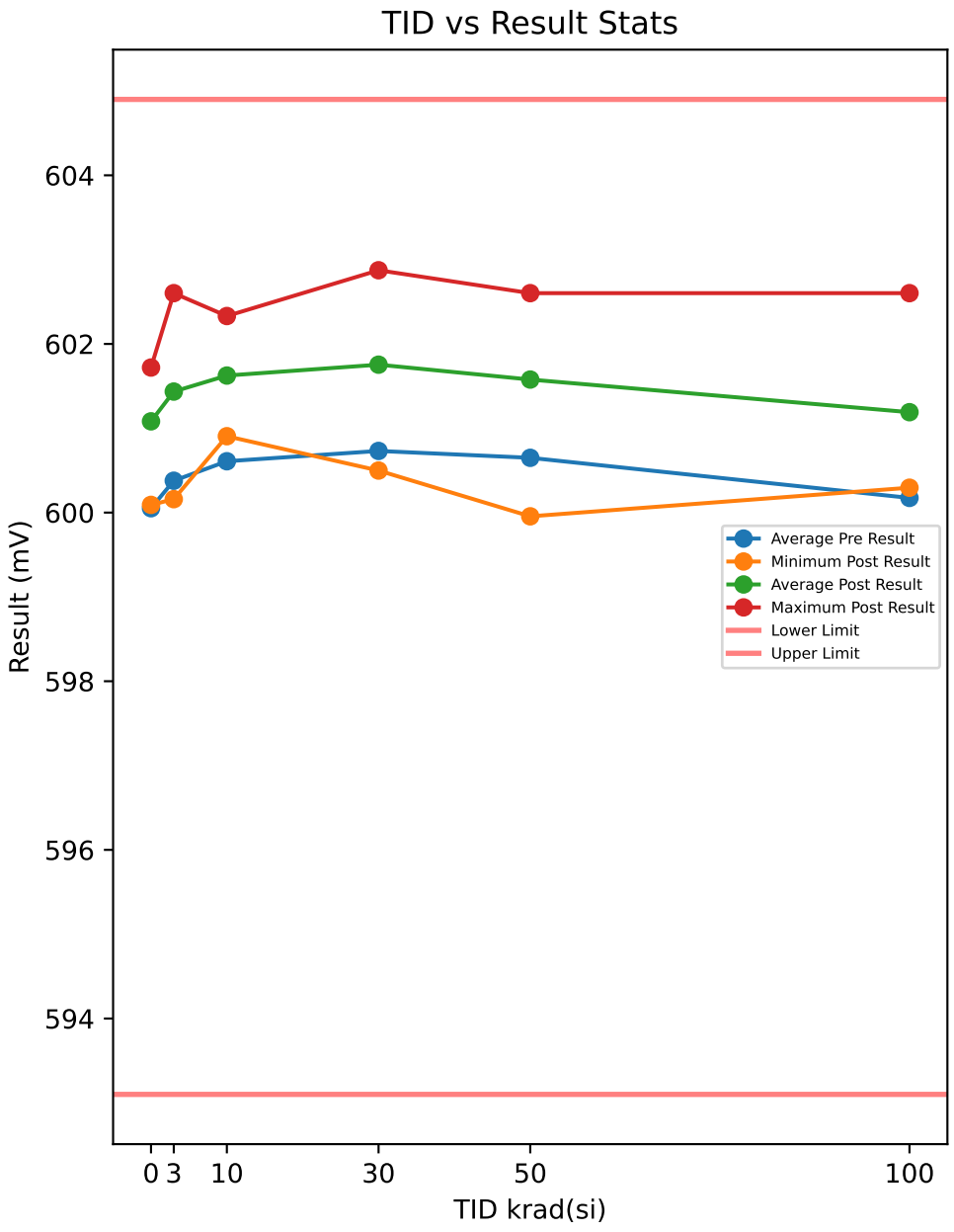
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

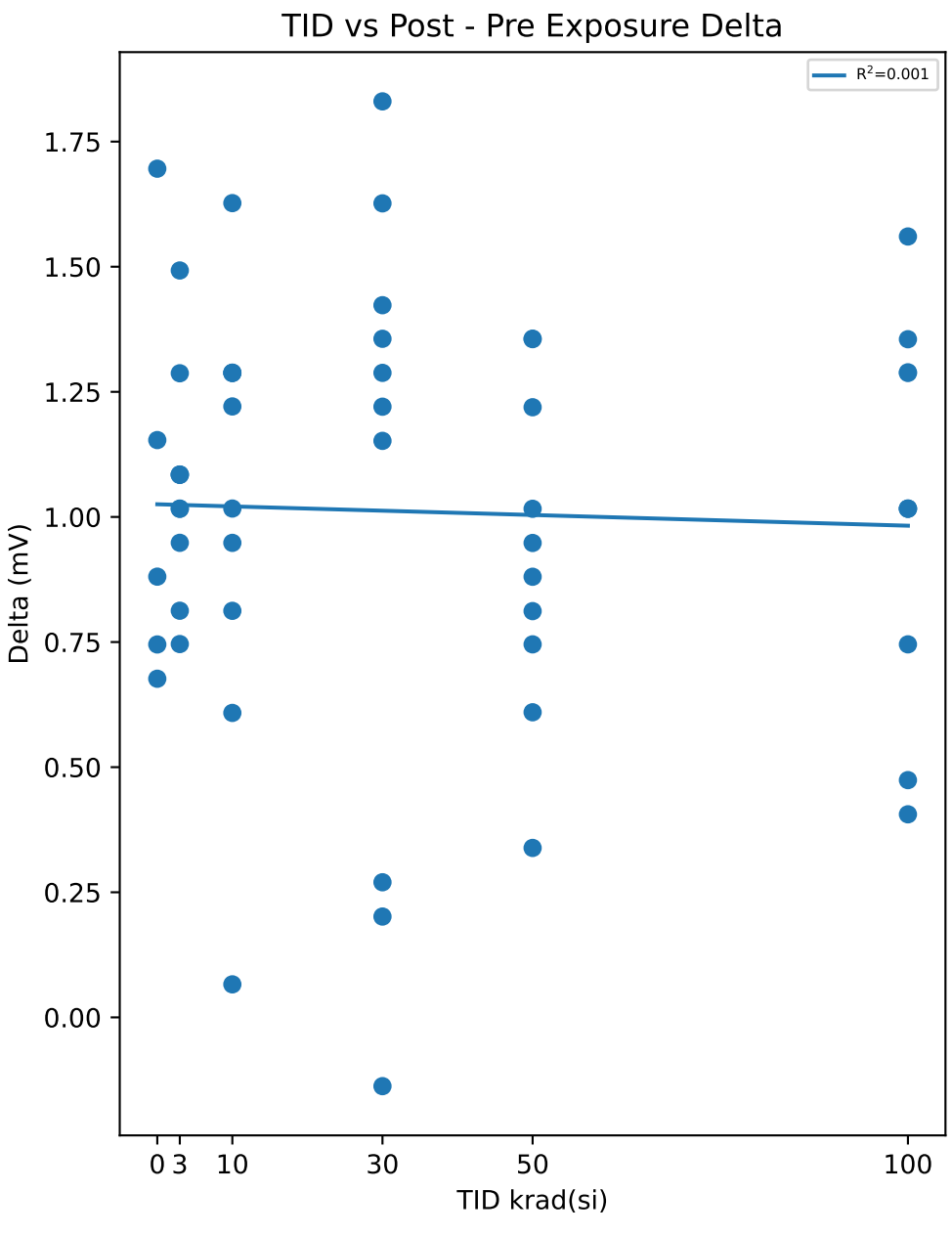
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.23	598.67	-1.5623
2	3	Biased	600.77	599.62	-1.1556
3	3	Biased	600.3	599.55	-0.748
4	3	Biased	600.09	599.68	-0.4084
5	3	Biased	599.62	598.39	-1.2224
6	3	Unbiased	598.94	597.99	-0.9503
7	3	Unbiased	599.68	598.8	-0.8832
8	3	Unbiased	599.01	598.12	-0.8825
9	3	Unbiased	600.02	599.01	-1.0192
10	3	Unbiased	599.55	598.12	-1.426
11	10	Biased	600.23	599.82	-0.4086
12	10	Biased	599.68	598.94	-0.7474
13	10	Biased	600.36	599.48	-0.8838
14	10	Biased	599.07	598.06	-1.0184
15	10	Biased	600.77	599.48	-1.2913
16	10	Unbiased	599.96	598.6	-1.3584
17	10	Unbiased	600.36	599.62	-0.7481
18	10	Unbiased	600.16	599.48	-0.68
19	10	Unbiased	600.36	599.34	-1.0196
20	10	Unbiased	599.21	598.87	-0.3397
21	30	Biased	599.41	598.53	-0.8828
22	30	Biased	600.43	599.41	-1.0196
23	30	Biased	600.7	600.09	-0.6126
24	30	Biased	600.3	599.62	-0.6801
25	30	Biased	599.82	598.33	-1.4941
26	30	Unbiased	600.16	599.01	-1.1551
27	30	Unbiased	600.16	598.73	-1.4265
28	30	Unbiased	599.68	598.53	-1.1546
29	30	Unbiased	600.23	599.48	-0.7479
30	30	Unbiased	599.82	599.14	-0.6796
31	50	Biased	599.41	597.99	-1.4258
32	50	Biased	600.84	599.55	-1.2914
33	50	Biased	600.64	599.41	-1.2233
34	50	Biased	601.04	599.75	-1.2916
35	50	Biased	600.36	599.62	-0.7481
36	50	Unbiased	600.36	599.89	-0.4766
37	50	Unbiased	599.41	598.67	-0.7471
38	50	Unbiased	599.82	598.53	-1.2904
39	50	Unbiased	599.07	597.99	-1.0862
40	50	Unbiased	599.48	598.6	-0.883
41	100	Biased	599.48	598.33	-1.1545
42	100	Biased	600.23	599.28	-0.9515
43	100	Biased	599.55	598.87	-0.6794
44	100	Biased	599.41	597.92	-1.4937
45	100	Biased	598.87	597.99	-0.8824
46	100	Unbiased	599.28	597.65	-1.6294
47	100	Unbiased	599.96	598.94	-1.019
48	100	Unbiased	600.7	599.62	-1.0877
49	100	Unbiased	598.53	597.99	-0.5427
50	100	Unbiased	600.02	598.33	-1.6979
51	0	Correlation	600.16	599.82	-0.3407
53	0	Correlation	599.68	598.94	-0.7474
54	0	Correlation	599.82	598.73	-1.0868
55	0	Correlation	598.39	597.11	-1.2892
56	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	598.39	599.47	600.16	0.67828	597.11	598.54	599.82	1.0083	-1.2892	-0.92368	-0.3407	0.38221
3	598.94	599.82	600.77	0.57641	597.99	598.8	599.68	0.65053	-1.5623	-1.0258	-0.4084	0.33474
10	599.07	600.02	600.77	0.54293	598.06	599.17	599.82	0.54314	-1.3584	-0.84953	-0.3397	0.33608
30	599.41	600.07	600.7	0.38434	598.33	599.09	600.09	0.56582	-1.4941	-0.98529	-0.6126	0.31703
50	599.07	600.04	601.04	0.69055	597.99	599	599.89	0.72634	-1.4258	-1.0463	-0.4766	0.31384
100	598.53	599.6	600.7	0.64587	597.65	598.49	599.62	0.65192	-1.6979	-1.1138	-0.5427	0.38836

Device Test: 13.8; VTH_SENSE





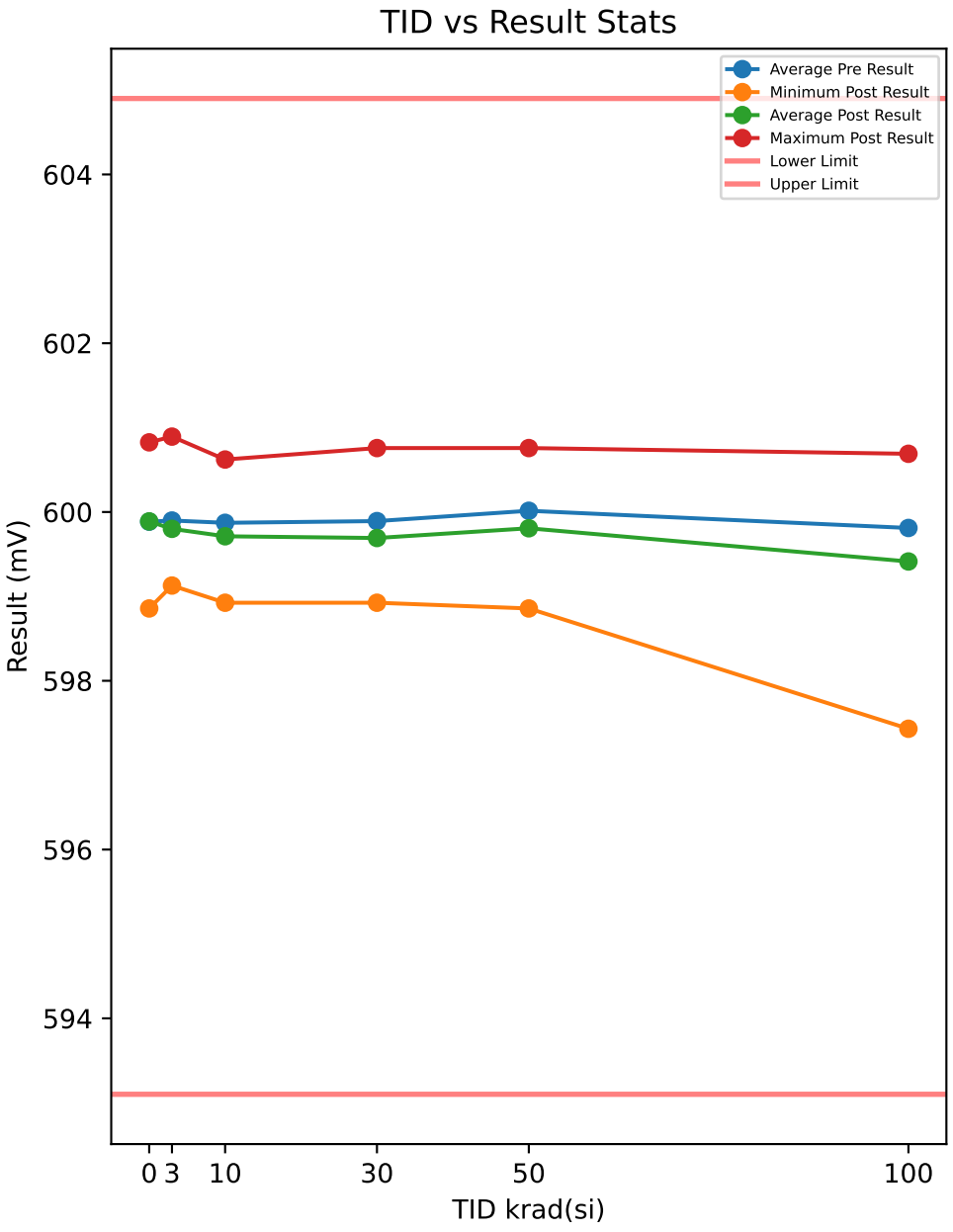
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

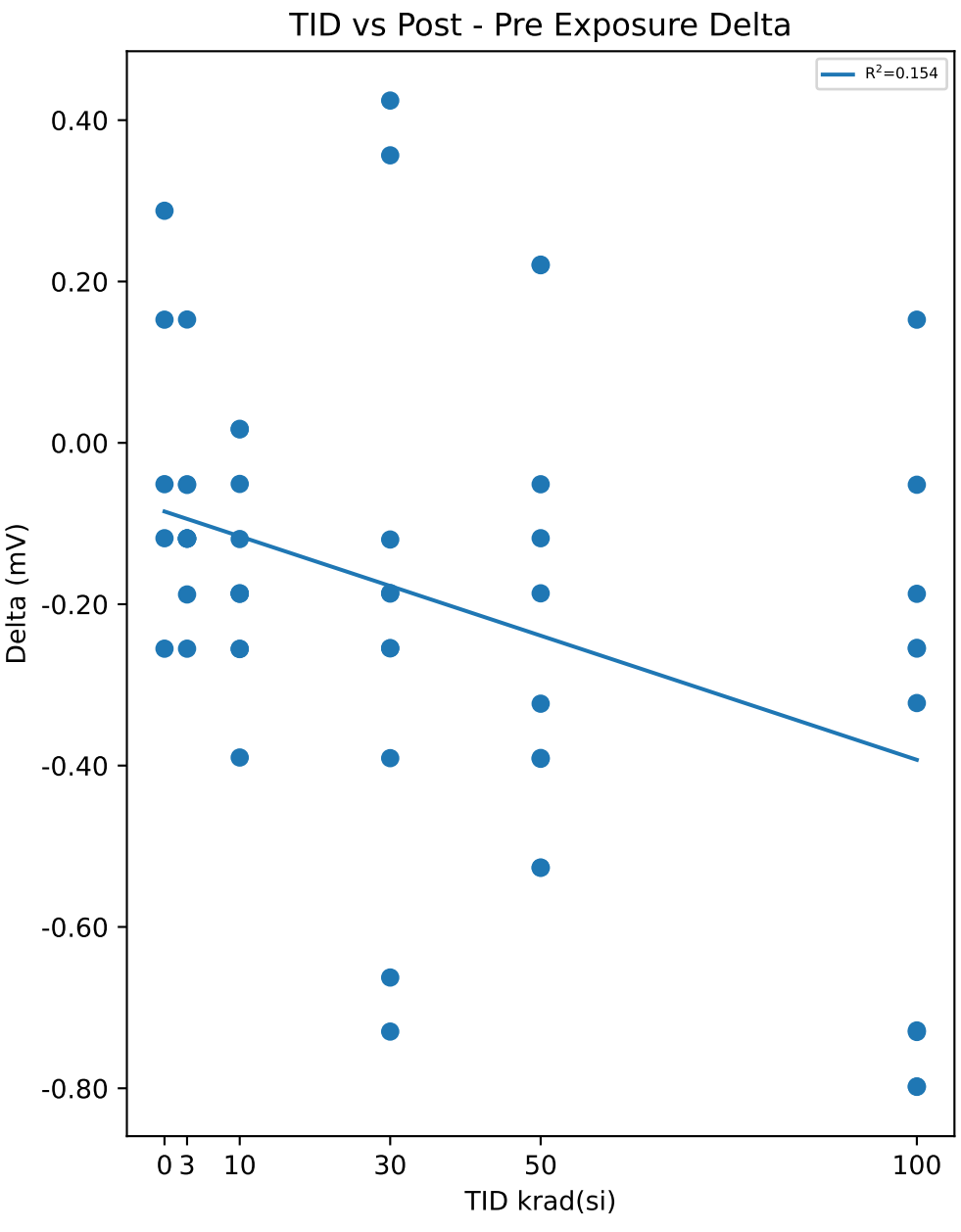
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.84	601.92	1.0841
2	3	Biased	601.32	602.6	1.2871
3	3	Biased	600.84	601.79	0.9483
4	3	Biased	600.84	601.86	1.0162
5	3	Biased	599.96	601.04	1.0848
6	3	Unbiased	599.41	600.91	1.4925
7	3	Unbiased	600.23	601.31	1.0845
8	3	Unbiased	599.41	600.16	0.746
9	3	Unbiased	600.77	601.58	0.8126
10	3	Unbiased	600.16	601.18	1.0167
11	10	Biased	600.91	601.86	0.9482
12	10	Biased	600.09	601.11	1.0168
13	10	Biased	600.91	602.2	1.2875
14	10	Biased	599.75	600.97	1.2208
15	10	Biased	601.45	602.06	0.6084
16	10	Unbiased	600.36	601.65	1.288
17	10	Unbiased	600.98	601.79	0.8124
18	10	Unbiased	600.7	602.33	1.6271
19	10	Unbiased	600.84	600.91	0.066
20	10	Unbiased	600.09	601.38	1.2883
21	30	Biased	600.23	601.45	1.2203
22	30	Biased	601.11	602.53	1.4231
23	30	Biased	601.25	602.87	1.6266
24	30	Biased	601.04	602.87	1.8304
25	30	Biased	600.3	601.65	1.356
26	30	Unbiased	601.04	601.25	0.2015
27	30	Unbiased	600.64	600.5	-0.1374
28	30	Unbiased	600.36	600.63	0.27
29	30	Unbiased	600.7	601.86	1.152
30	30	Unbiased	600.64	601.92	1.2879
31	50	Biased	600.09	600.84	0.7454
32	50	Biased	601.38	602.6	1.2192
33	50	Biased	601.11	602.06	0.948
34	50	Biased	601.72	602.53	0.8118
35	50	Biased	600.84	601.72	0.8805
36	50	Unbiased	601.04	602.4	1.3553
37	50	Unbiased	600.09	601.45	1.3562
38	50	Unbiased	600.57	601.58	1.0163
39	50	Unbiased	599.62	599.96	0.3386
40	50	Unbiased	600.02	600.63	0.6097
41	100	Biased	600.23	601.25	1.0166
42	100	Biased	600.84	602.13	1.2877
43	100	Biased	600.02	601.04	1.0168
44	100	Biased	600.02	600.77	0.7454
45	100	Biased	599.41	600.97	1.5604
46	100	Unbiased	599.82	600.29	0.4741
47	100	Unbiased	600.57	601.58	1.0163
48	100	Unbiased	601.25	602.6	1.3551
49	100	Unbiased	599.28	600.57	1.289
50	100	Unbiased	600.3	600.7	0.4058
51	0	Correlation	601.04	601.72	0.6767
53	0	Correlation	600.43	601.31	0.8807
54	0	Correlation	600.23	600.97	0.7452
55	0	Correlation	598.94	600.09	1.1536
56	0	Correlation	599.62	601.31	1.6959

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	598.94	600.05	601.04	0.80462	600.09	601.08	601.72	0.61383	0.6767	1.0304	1.6959	0.4144
3	599.41	600.38	601.32	0.64825	600.16	601.44	602.6	0.67247	0.746	1.0573	1.4925	0.2151
10	599.75	600.61	601.45	0.51755	600.91	601.63	602.33	0.51211	0.066	1.0164	1.6271	0.4412
30	600.23	600.73	601.25	0.36538	600.5	601.75	602.87	0.83994	-0.1374	1.023	1.8304	0.66678
50	599.62	600.65	601.72	0.68141	599.96	601.58	602.6	0.8805	0.3386	0.9281	1.3562	0.32604
100	599.28	600.17	601.25	0.6074	600.29	601.19	602.6	0.72308	0.4058	1.0167	1.5604	0.3799

Device Test: 13.9; VTH_SENSE





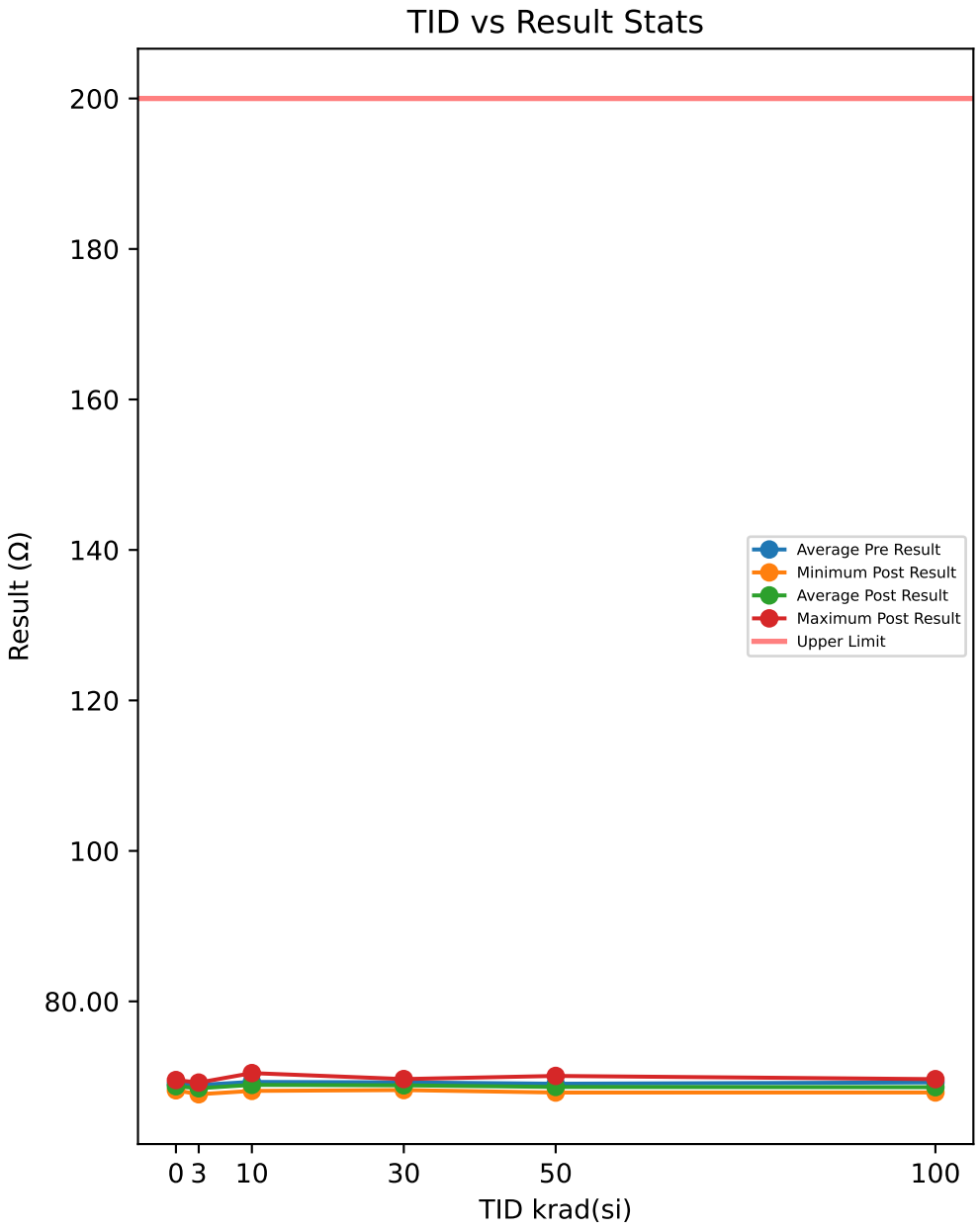
Test Results (Lower Limit = 593.1, Upper Limit = 604.9 (mV))

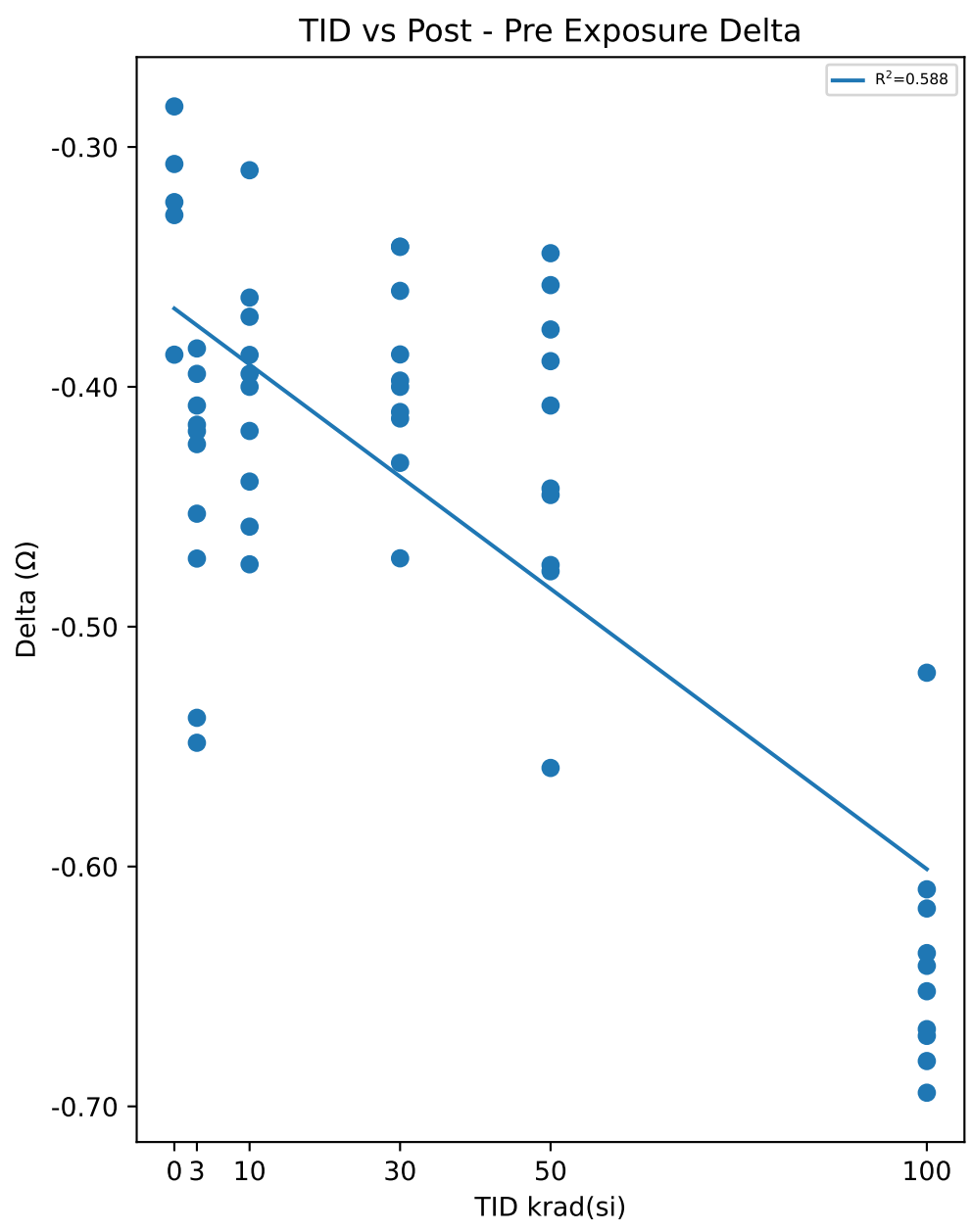
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	600.33	600.08	-0.2551
2	3	Biased	601.01	600.83	-0.1879
3	3	Biased	600.95	600.89	-0.0521
4	3	Biased	600.06	600.01	-0.0513
5	3	Biased	599.45	599.33	-0.1186
6	3	Unbiased	599.45	599.6	0.1529
7	3	Unbiased	599.31	599.2	-0.1185
8	3	Unbiased	599.72	599.6	-0.1188
9	3	Unbiased	599.25	599.13	-0.1184
10	3	Unbiased	599.45	599.33	-0.1186
11	10	Biased	599.86	599.67	-0.1868
12	10	Biased	599.38	599.2	-0.1864
13	10	Biased	600.06	599.94	-0.1192
14	10	Biased	599.31	598.92	-0.39
15	10	Biased	600.88	600.62	-0.2556
16	10	Unbiased	599.59	599.54	-0.0509
17	10	Unbiased	600.06	599.88	-0.1871
18	10	Unbiased	599.93	599.94	0.0167
19	10	Unbiased	600.47	600.21	-0.2552
20	10	Unbiased	599.18	599.2	0.0174
21	30	Biased	599.59	599.33	-0.2545
22	30	Biased	600.88	600.76	-0.1198
23	30	Biased	599.65	600.08	0.4243
24	30	Biased	600.2	599.81	-0.3908
25	30	Biased	599.72	599.47	-0.2546
26	30	Unbiased	600.67	600.01	-0.6627
27	30	Unbiased	599.72	598.99	-0.7297
28	30	Unbiased	599.11	598.92	-0.1862
29	30	Unbiased	599.59	599.94	0.3564
30	30	Unbiased	599.79	599.6	-0.1868
31	50	Biased	599.93	599.4	-0.5264
32	50	Biased	600.4	599.88	-0.5267
33	50	Biased	600.61	600.28	-0.3233
34	50	Biased	601.15	600.76	-0.3916
35	50	Biased	599.99	599.6	-0.3906
36	50	Unbiased	600.2	600.42	0.2202
37	50	Unbiased	599.38	599.6	0.2209
38	50	Unbiased	600.06	600.01	-0.0513
39	50	Unbiased	598.98	598.86	-0.1182
40	50	Unbiased	599.45	599.26	-0.1865
41	100	Biased	600.33	599.54	-0.7982
42	100	Biased	599.86	599.06	-0.7977
43	100	Biased	600.13	599.88	-0.255
44	100	Biased	600.27	599.54	-0.7302
45	100	Biased	599.11	598.86	-0.2541
46	100	Unbiased	600.13	599.94	-0.1871
47	100	Unbiased	599.72	599.4	-0.3225
48	100	Unbiased	600.74	600.69	-0.0519
49	100	Unbiased	599.65	599.81	0.1527
50	100	Unbiased	598.16	597.43	-0.7283
51	0	Correlation	600.54	600.83	0.2877
53	0	Correlation	600.4	600.15	-0.2551
54	0	Correlation	599.59	599.74	0.1527
55	0	Correlation	598.98	598.86	-0.1182
56	0	Correlation	599.93	599.88	-0.0512

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	598.98	599.89	600.54	0.63478	598.86	599.89	600.83	0.71258	-0.2551	0.00318	0.2877	0.21663
3	599.25	599.9	601.01	0.66275	599.13	599.8	600.89	0.64113	-0.2551	-0.09864	0.1529	0.10652
10	599.18	599.87	600.88	0.53285	598.92	599.71	600.62	0.51618	-0.39	-0.15971	0.0174	0.12889
30	599.11	599.89	600.88	0.5371	598.92	599.69	600.76	0.55059	-0.7297	-0.20044	0.4243	0.37166
50	598.98	600.01	601.15	0.63496	598.86	599.81	600.76	0.57689	-0.5267	-0.20735	0.2209	0.27562
100	598.16	599.81	600.74	0.7304	597.43	599.41	600.69	0.86089	-0.7982	-0.39723	0.1527	0.34218

Device Test: 18.11; PWRGD_RNMOS_OD





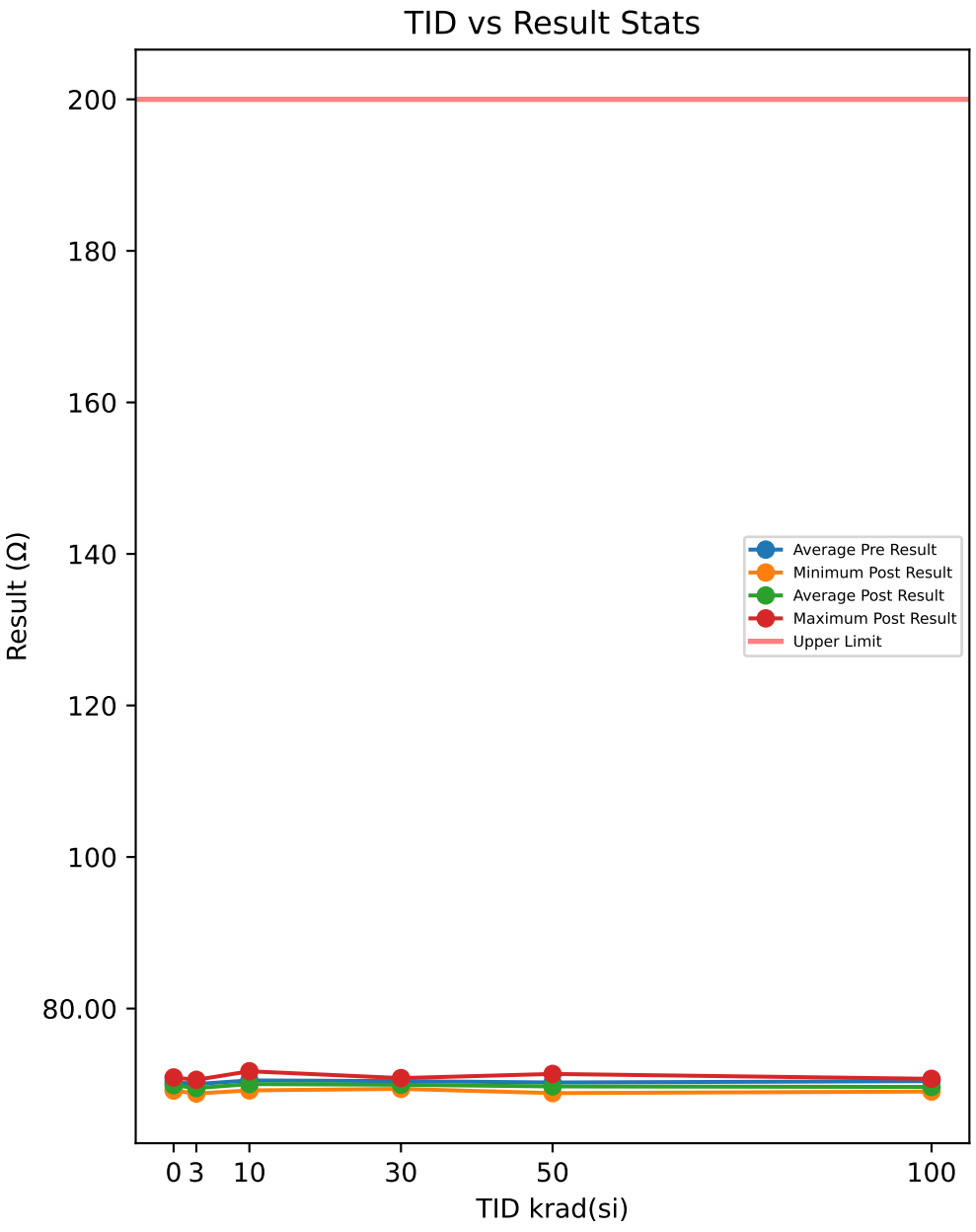
Test Results (Upper Limit = 200.0 (Ω))

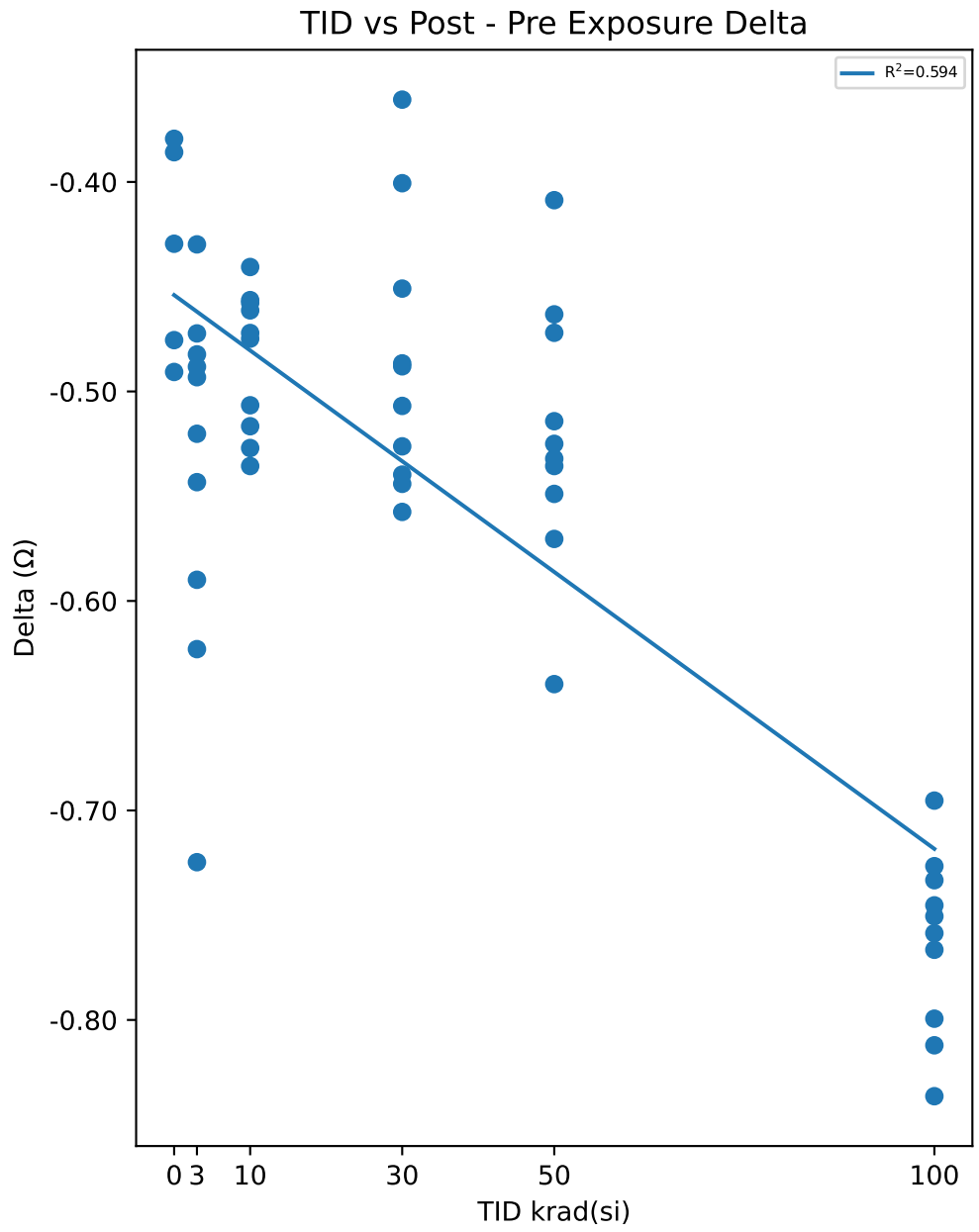
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	69.554	69.006	-0.5484
2	3	Biased	69.658	69.205	-0.4529
3	3	Biased	68.509	68.037	-0.4716
4	3	Biased	68.671	68.287	-0.384
5	3	Biased	69.064	68.648	-0.4158
6	3	Unbiased	69.05	68.642	-0.4078
7	3	Unbiased	69.178	68.759	-0.4185
8	3	Unbiased	68.191	67.653	-0.538
9	3	Unbiased	68.286	67.862	-0.4239
10	3	Unbiased	68.782	68.388	-0.3946
11	10	Biased	68.559	68.101	-0.4583
12	10	Biased	70.942	70.468	-0.474
13	10	Biased	68.883	68.489	-0.3946
14	10	Biased	68.743	68.356	-0.3867
15	10	Biased	68.559	68.189	-0.3708
16	10	Unbiased	68.557	68.157	-0.4
17	10	Unbiased	68.944	68.634	-0.3097
18	10	Unbiased	70.308	69.889	-0.4184
19	10	Unbiased	68.615	68.252	-0.3628
20	10	Unbiased	70.888	70.449	-0.4395
21	30	Biased	69.17	68.738	-0.4317
22	30	Biased	69.27	68.799	-0.4715
23	30	Biased	69.565	69.152	-0.4132
24	30	Biased	68.764	68.422	-0.3416
25	30	Biased	68.851	68.51	-0.3416
26	30	Unbiased	69.992	69.632	-0.36
27	30	Unbiased	68.607	68.21	-0.3974
28	30	Unbiased	70.061	69.674	-0.3865
29	30	Unbiased	69.135	68.725	-0.4105
30	30	Unbiased	68.92	68.52	-0.4
31	50	Biased	68.846	68.457	-0.3893
32	50	Biased	69.016	68.671	-0.3443
33	50	Biased	68.719	68.361	-0.3576
34	50	Biased	68.257	67.881	-0.3761
35	50	Biased	70.65	70.091	-0.5589
36	50	Unbiased	70.247	69.839	-0.4078
37	50	Unbiased	68.469	67.995	-0.4743
38	50	Unbiased	68.387	67.942	-0.4451
39	50	Unbiased	69.098	68.621	-0.4769
40	50	Unbiased	68.827	68.385	-0.4424
41	100	Biased	69.981	69.462	-0.5192
42	100	Biased	68.559	67.889	-0.6706
43	100	Biased	70.358	69.664	-0.6943
44	100	Biased	68.811	68.175	-0.6361
45	100	Biased	69.204	68.587	-0.6175
46	100	Unbiased	69.233	68.581	-0.652
47	100	Unbiased	69.934	69.266	-0.6678
48	100	Unbiased	68.525	67.915	-0.6095
49	100	Unbiased	68.867	68.226	-0.6414
50	100	Unbiased	68.838	68.157	-0.6811
51	0	Correlation	68.509	68.181	-0.3284
53	0	Correlation	69.132	68.809	-0.323
54	0	Correlation	68.933	68.547	-0.3866
55	0	Correlation	69.825	69.542	-0.2831
56	0	Correlation	68.83	68.523	-0.3071

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	68.509	69.046	69.825	0.49029	68.181	68.72	69.542	0.51059	-0.3866	-0.32564	-0.2831	0.038354
3	68.191	68.894	69.658	0.49742	67.653	68.449	69.205	0.49796	-0.5484	-0.44555	-0.384	0.057496
10	68.557	69.3	70.942	0.99792	68.101	68.898	70.468	0.97108	-0.474	-0.40148	-0.3097	0.048704
30	68.607	69.234	70.061	0.49907	68.21	68.838	69.674	0.49764	-0.4715	-0.3954	-0.3416	0.040552
50	68.257	69.052	70.65	0.78888	67.881	68.624	70.091	0.75989	-0.5589	-0.42727	-0.3443	0.065596
100	68.525	69.231	70.358	0.6446	67.889	68.592	69.664	0.65053	-0.6943	-0.63895	-0.5192	0.050029

Device Test: 18.12; WDO_RNMOS_OD





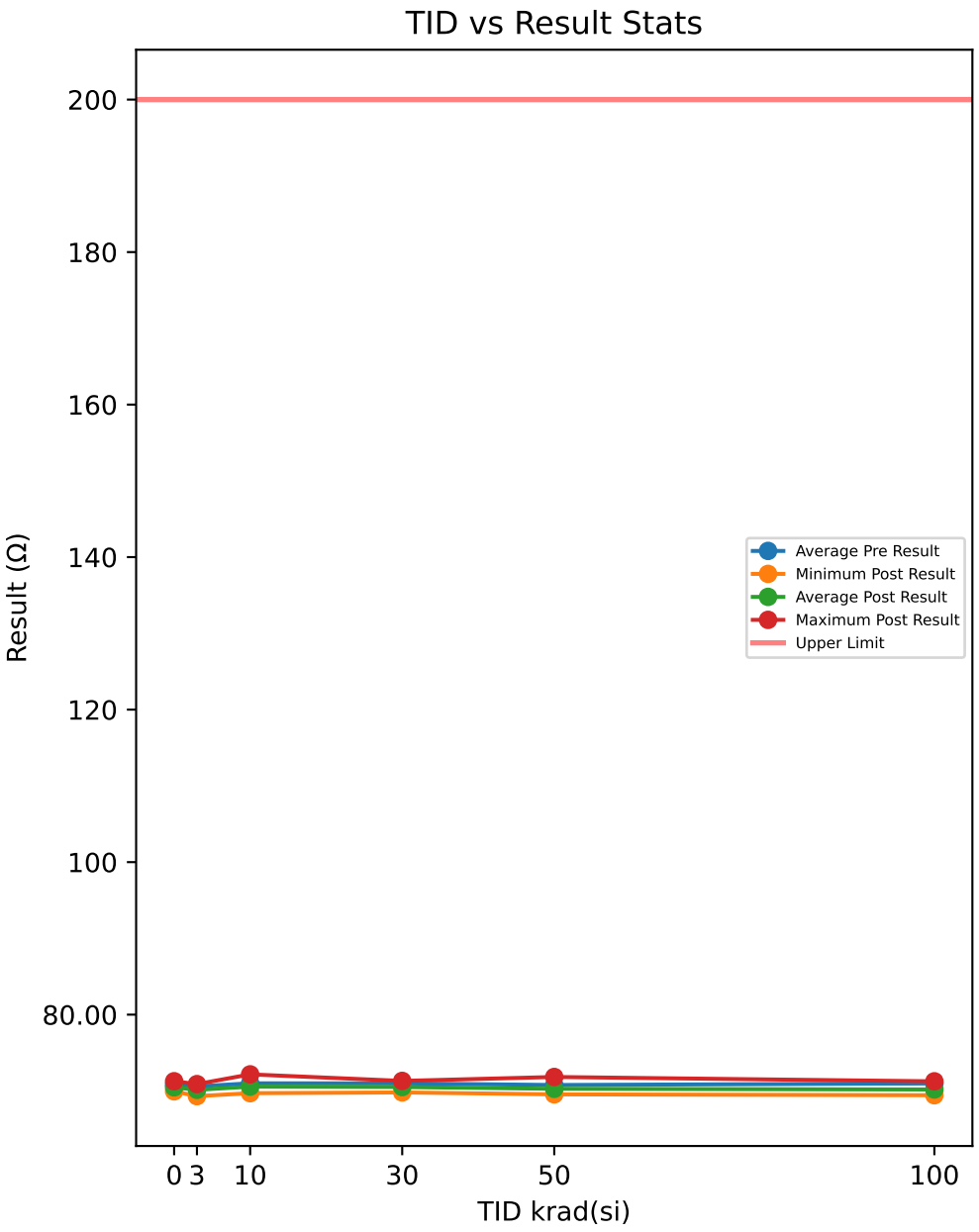
Test Results (Upper Limit = 200.0 (Ω))

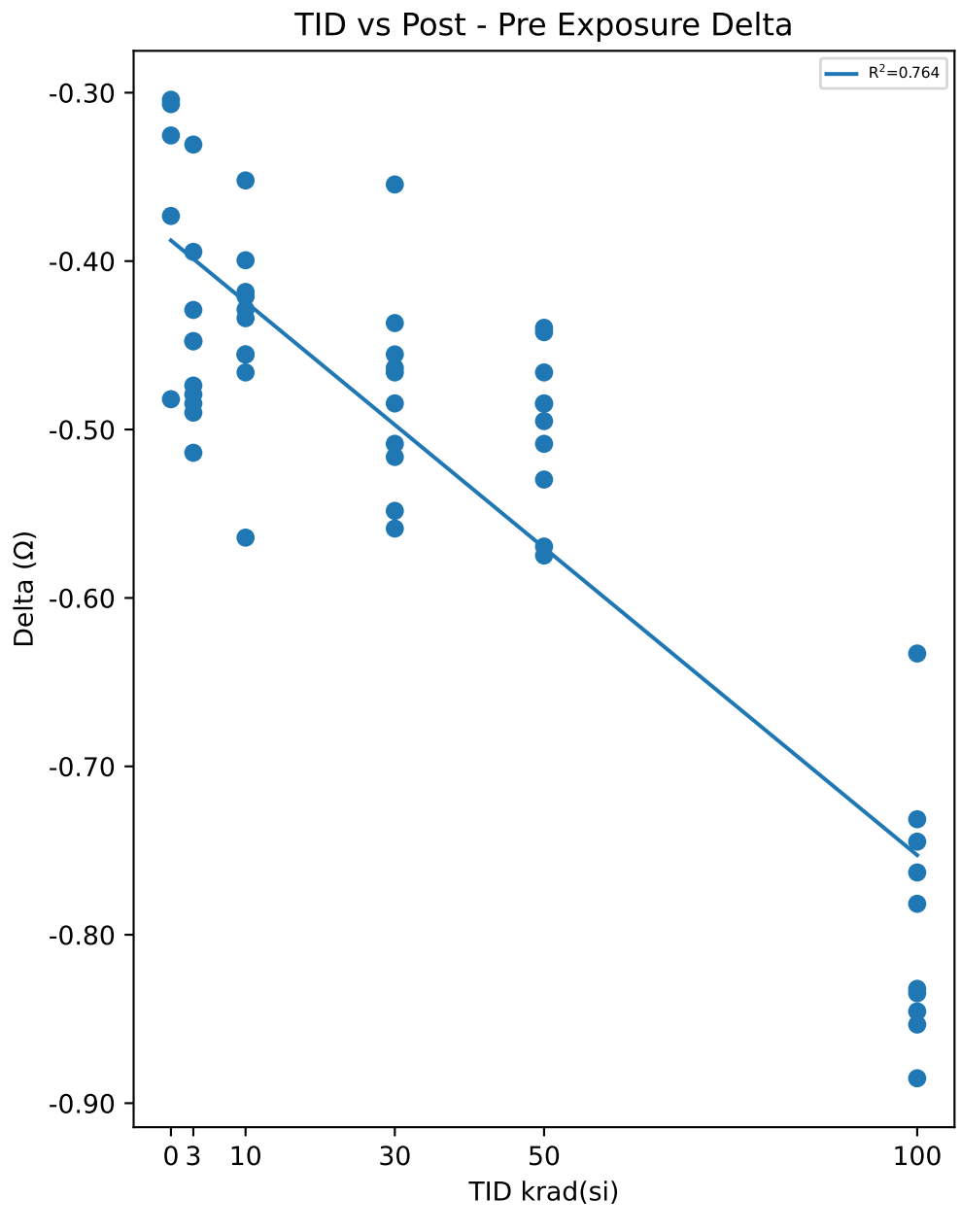
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	70.705	69.98	-0.7247
2	3	Biased	71.18	70.59	-0.5899
3	3	Biased	69.62	68.997	-0.623
4	3	Biased	69.728	69.235	-0.4932
5	3	Biased	70.249	69.728	-0.5202
6	3	Unbiased	70.065	69.593	-0.4723
7	3	Unbiased	70.031	69.601	-0.4298
8	3	Unbiased	69.442	68.898	-0.5433
9	3	Unbiased	69.264	68.782	-0.4823
10	3	Unbiased	70.052	69.564	-0.4882
11	10	Biased	69.728	69.193	-0.5356
12	10	Biased	72.018	71.491	-0.527
13	10	Biased	70.116	69.659	-0.4564
14	10	Biased	69.882	69.376	-0.5066
15	10	Biased	69.861	69.386	-0.4748
16	10	Unbiased	69.893	69.421	-0.4721
17	10	Unbiased	70.182	69.742	-0.4406
18	10	Unbiased	71.557	71.099	-0.4577
19	10	Unbiased	69.654	69.193	-0.4613
20	10	Unbiased	72.236	71.719	-0.5166
21	30	Biased	70.357	69.813	-0.5441
22	30	Biased	70.44	69.882	-0.5575
23	30	Biased	71.042	70.516	-0.5262
24	30	Biased	69.925	69.524	-0.4006
25	30	Biased	69.808	69.447	-0.3607
26	30	Unbiased	71.297	70.81	-0.4866
27	30	Unbiased	69.882	69.394	-0.488
28	30	Unbiased	71.358	70.818	-0.5397
29	30	Unbiased	70.246	69.739	-0.5069
30	30	Unbiased	69.877	69.426	-0.4509
31	50	Biased	69.779	69.307	-0.472
32	50	Biased	70.06	69.651	-0.4087
33	50	Biased	69.673	69.148	-0.525
34	50	Biased	69.349	68.835	-0.5142
35	50	Biased	71.83	71.367	-0.4632
36	50	Unbiased	71.819	71.287	-0.5321
37	50	Unbiased	69.577	69.042	-0.5356
38	50	Unbiased	69.641	69.092	-0.5489
39	50	Unbiased	70.556	69.917	-0.6397
40	50	Unbiased	70.111	69.54	-0.5704
41	100	Biased	71.198	70.399	-0.7994
42	100	Biased	69.837	69.087	-0.7505
43	100	Biased	71.456	70.722	-0.7333
44	100	Biased	69.88	69.113	-0.7665
45	100	Biased	70.326	69.63	-0.6953
46	100	Unbiased	70.596	69.784	-0.8121
47	100	Unbiased	71.015	70.179	-0.8364
48	100	Unbiased	69.768	69.042	-0.7266
49	100	Unbiased	70.044	69.286	-0.7586
50	100	Unbiased	70.007	69.262	-0.7453
51	0	Correlation	69.598	69.169	-0.4295
53	0	Correlation	70.729	70.253	-0.4755
54	0	Correlation	70.018	69.638	-0.3794
55	0	Correlation	71.286	70.9	-0.3858
56	0	Correlation	69.893	69.402	-0.4907

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	69.598	70.305	71.286	0.68805	69.169	69.873	70.9	0.70219	-0.4907	-0.43218	-0.3794	0.050609
3	69.264	70.034	71.18	0.57918	68.782	69.497	70.59	0.5472	-0.7247	-0.53669	-0.4298	0.087379
10	69.654	70.513	72.236	1.0084	69.193	70.028	71.719	0.99824	-0.5356	-0.48487	-0.4406	0.033592
30	69.808	70.423	71.358	0.60303	69.394	69.937	70.818	0.56731	-0.5575	-0.48612	-0.3607	0.064682
50	69.349	70.239	71.83	0.90052	68.835	69.719	71.367	0.90557	-0.6397	-0.52098	-0.4087	0.063298
100	69.768	70.413	71.456	0.61834	69.042	69.65	70.722	0.60266	-0.8364	-0.7624	-0.6953	0.042702

Device Test: 18.17; PWRGD_RNMOS_OD





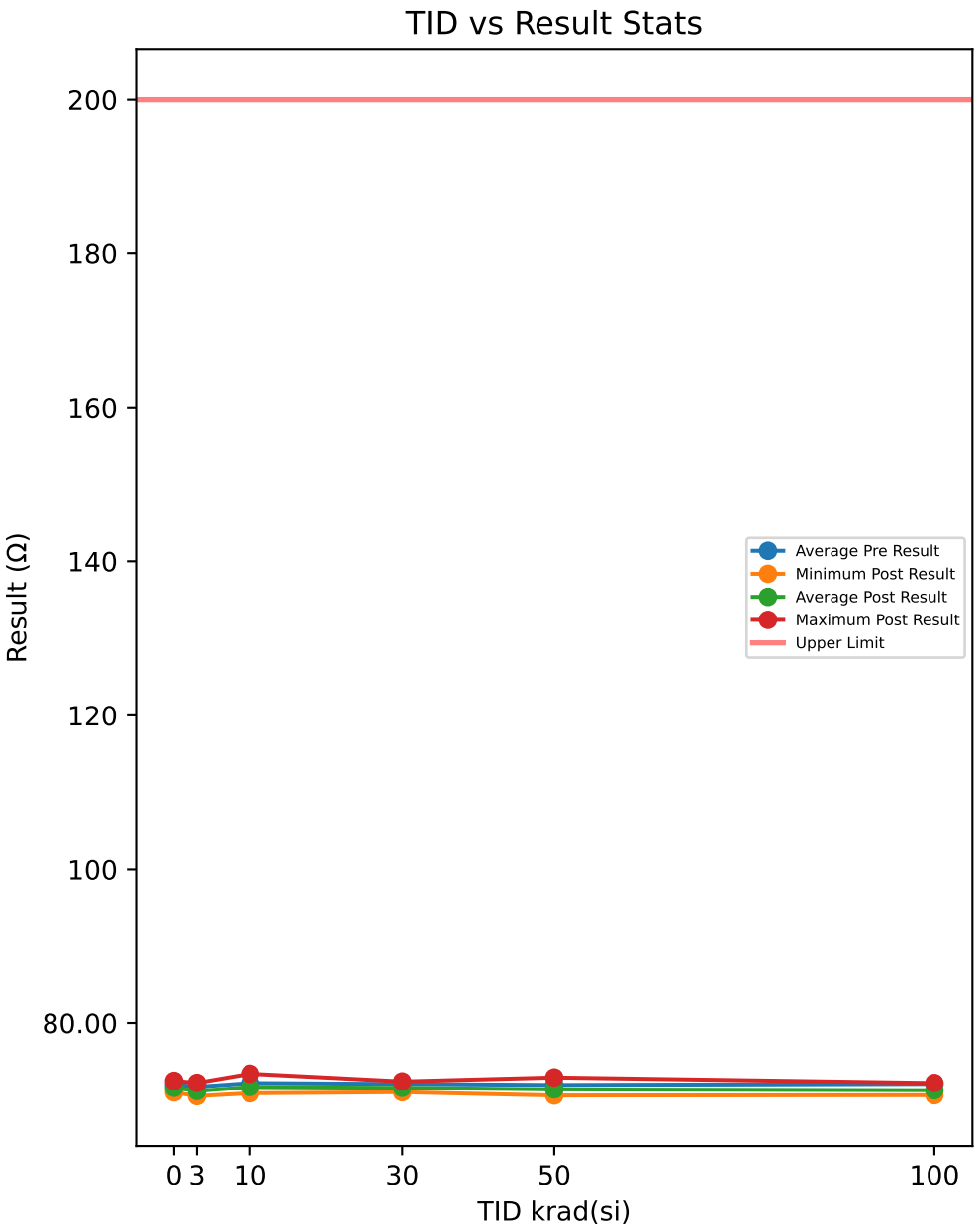
Test Results (Upper Limit = 200.0 (Ω))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	71.231	70.757	-0.4739
2	3	Biased	71.369	70.889	-0.4792
3	3	Biased	70.18	69.733	-0.4476
4	3	Biased	70.377	69.887	-0.49
5	3	Biased	70.843	70.33	-0.5138
6	3	Unbiased	70.806	70.359	-0.4475
7	3	Unbiased	70.934	70.449	-0.4846
8	3	Unbiased	69.74	69.311	-0.429
9	3	Unbiased	70.01	69.68	-0.3308
10	3	Unbiased	70.427	70.032	-0.3945
11	10	Biased	70.196	69.775	-0.421
12	10	Biased	72.493	72.059	-0.4339
13	10	Biased	70.716	70.152	-0.5642
14	10	Biased	70.52	70.064	-0.4555
15	10	Biased	70.3	69.834	-0.4661
16	10	Unbiased	70.119	69.701	-0.4183
17	10	Unbiased	70.772	70.316	-0.4554
18	10	Unbiased	72.095	71.667	-0.4287
19	10	Unbiased	70.186	69.834	-0.3521
20	10	Unbiased	72.568	72.168	-0.3995
21	30	Biased	70.979	70.43	-0.5483
22	30	Biased	71.053	70.616	-0.4368
23	30	Biased	71.201	70.847	-0.3545
24	30	Biased	70.512	70.056	-0.4554
25	30	Biased	70.66	70.197	-0.4634
26	30	Unbiased	71.777	71.261	-0.5163
27	30	Unbiased	70.265	69.799	-0.4661
28	30	Unbiased	71.796	71.311	-0.4845
29	30	Unbiased	70.915	70.356	-0.5588
30	30	Unbiased	70.713	70.205	-0.5085
31	50	Biased	70.544	70.035	-0.5085
32	50	Biased	70.806	70.277	-0.5297
33	50	Biased	70.454	70.014	-0.4396
34	50	Biased	70.002	69.56	-0.4422
35	50	Biased	72.321	71.826	-0.495
36	50	Unbiased	71.971	71.486	-0.4845
37	50	Unbiased	70.127	69.661	-0.4661
38	50	Unbiased	70.032	69.547	-0.4847
39	50	Unbiased	70.859	70.29	-0.5695
40	50	Unbiased	70.615	70.04	-0.5748
41	100	Biased	71.66	71.027	-0.633
42	100	Biased	70.209	69.478	-0.7314
43	100	Biased	72.019	71.255	-0.763
44	100	Biased	70.599	69.754	-0.8455
45	100	Biased	71.021	70.189	-0.8321
46	100	Unbiased	71.016	70.181	-0.8347
47	100	Unbiased	71.772	70.99	-0.7816
48	100	Unbiased	70.178	69.433	-0.7447
49	100	Unbiased	70.724	69.839	-0.8852
50	100	Unbiased	70.573	69.719	-0.8533
51	0	Correlation	70.27	69.945	-0.3254
53	0	Correlation	70.912	70.608	-0.3042
54	0	Correlation	70.74	70.367	-0.3732
55	0	Correlation	71.573	71.266	-0.3068
56	0	Correlation	70.644	70.162	-0.482

Test Statistics (Ω)

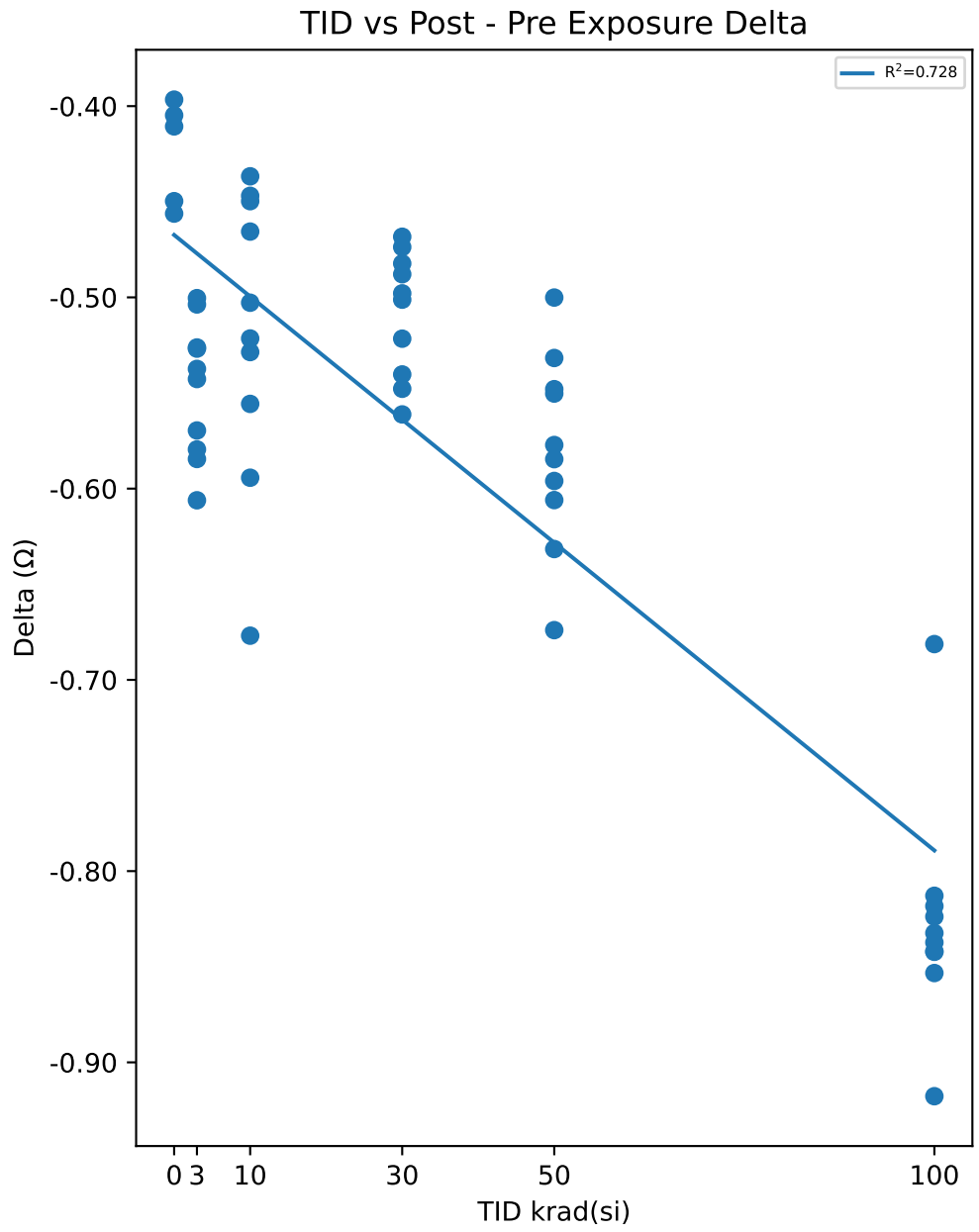
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	70.27	70.828	71.573	0.4781	69.945	70.47	71.266	0.50836	-0.482	-0.35832	-0.3042	0.074473
3	69.74	70.592	71.369	0.53168	69.311	70.143	70.889	0.50136	-0.5138	-0.44909	-0.3308	0.053774
10	70.119	70.996	72.568	0.99029	69.701	70.557	72.168	0.99666	-0.5642	-0.43947	-0.3521	0.054716
30	70.265	70.987	71.796	0.50137	69.799	70.508	71.311	0.50141	-0.5588	-0.47926	-0.3545	0.059357
50	70.002	70.773	72.321	0.78733	69.547	70.274	71.826	0.77968	-0.5748	-0.49946	-0.4396	0.047157
100	70.178	70.977	72.019	0.64851	69.433	70.187	71.255	0.67428	-0.8852	-0.79045	-0.633	0.075169

Device Test: 18.18; WDO_RNMOS_OD



Test Results (Upper Limit = 200.0 (Ω))

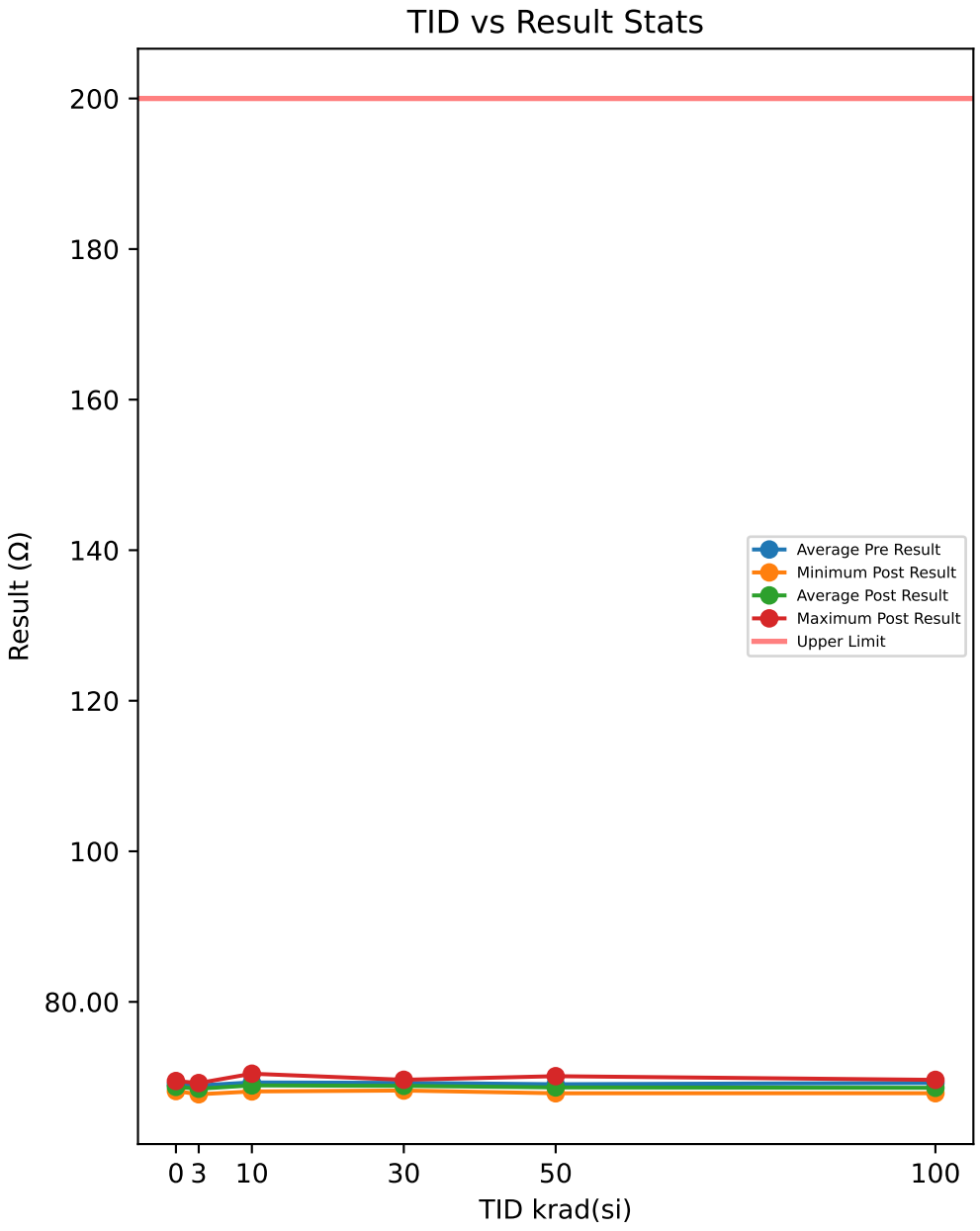
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	72.217	71.648	-0.5696
2	3	Biased	72.759	72.255	-0.5037
3	3	Biased	71.374	70.794	-0.5795
4	3	Biased	71.472	70.866	-0.6061
5	3	Biased	71.987	71.486	-0.5004
6	3	Unbiased	71.83	71.287	-0.5427
7	3	Unbiased	71.801	71.263	-0.5374
8	3	Unbiased	71.108	70.524	-0.5845
9	3	Unbiased	71.116	70.59	-0.5262
10	3	Unbiased	71.787	71.261	-0.5268
11	10	Biased	71.453	70.897	-0.5557
12	10	Biased	73.68	73.003	-0.6769
13	10	Biased	71.825	71.303	-0.5215
14	10	Biased	71.631	71.128	-0.5028
15	10	Biased	71.639	71.189	-0.4497
16	10	Unbiased	71.522	71.057	-0.4656
17	10	Unbiased	71.896	71.46	-0.4367
18	10	Unbiased	73.321	72.727	-0.5943
19	10	Unbiased	71.387	70.94	-0.4469
20	10	Unbiased	73.966	73.437	-0.5286
21	30	Biased	72.074	71.534	-0.5403
22	30	Biased	72.117	71.619	-0.4979
23	30	Biased	72.586	72.104	-0.4823
24	30	Biased	71.665	71.192	-0.4737
25	30	Biased	71.642	71.173	-0.4683
26	30	Unbiased	72.907	72.419	-0.4879
27	30	Unbiased	71.583	71.035	-0.5478
28	30	Unbiased	72.942	72.441	-0.5012
29	30	Unbiased	71.925	71.404	-0.5216
30	30	Unbiased	71.676	71.115	-0.5612
31	50	Biased	71.506	71.006	-0.5001
32	50	Biased	71.811	71.263	-0.548
33	50	Biased	71.435	70.884	-0.5503
34	50	Biased	71.191	70.606	-0.5846
35	50	Biased	73.584	72.952	-0.6316
36	50	Unbiased	73.528	72.854	-0.674
37	50	Unbiased	71.403	70.797	-0.606
38	50	Unbiased	71.336	70.805	-0.5317
39	50	Unbiased	72.186	71.59	-0.596
40	50	Unbiased	71.851	71.274	-0.5772
41	100	Biased	72.682	72.001	-0.6813
42	100	Biased	71.557	70.744	-0.8129
43	100	Biased	73.154	72.236	-0.9177
44	100	Biased	71.681	70.863	-0.8183
45	100	Biased	72.111	71.274	-0.8373
46	100	Unbiased	72.268	71.415	-0.8533
47	100	Unbiased	72.671	71.839	-0.8324
48	100	Unbiased	71.488	70.646	-0.842
49	100	Unbiased	71.865	71.041	-0.8238
50	100	Unbiased	71.758	70.916	-0.8422
51	0	Correlation	71.408	71.011	-0.3966
53	0	Correlation	72.358	71.947	-0.4106
54	0	Correlation	71.793	71.388	-0.4048
55	0	Correlation	72.974	72.517	-0.4562
56	0	Correlation	71.644	71.195	-0.4497



Test Statistics (Ω)

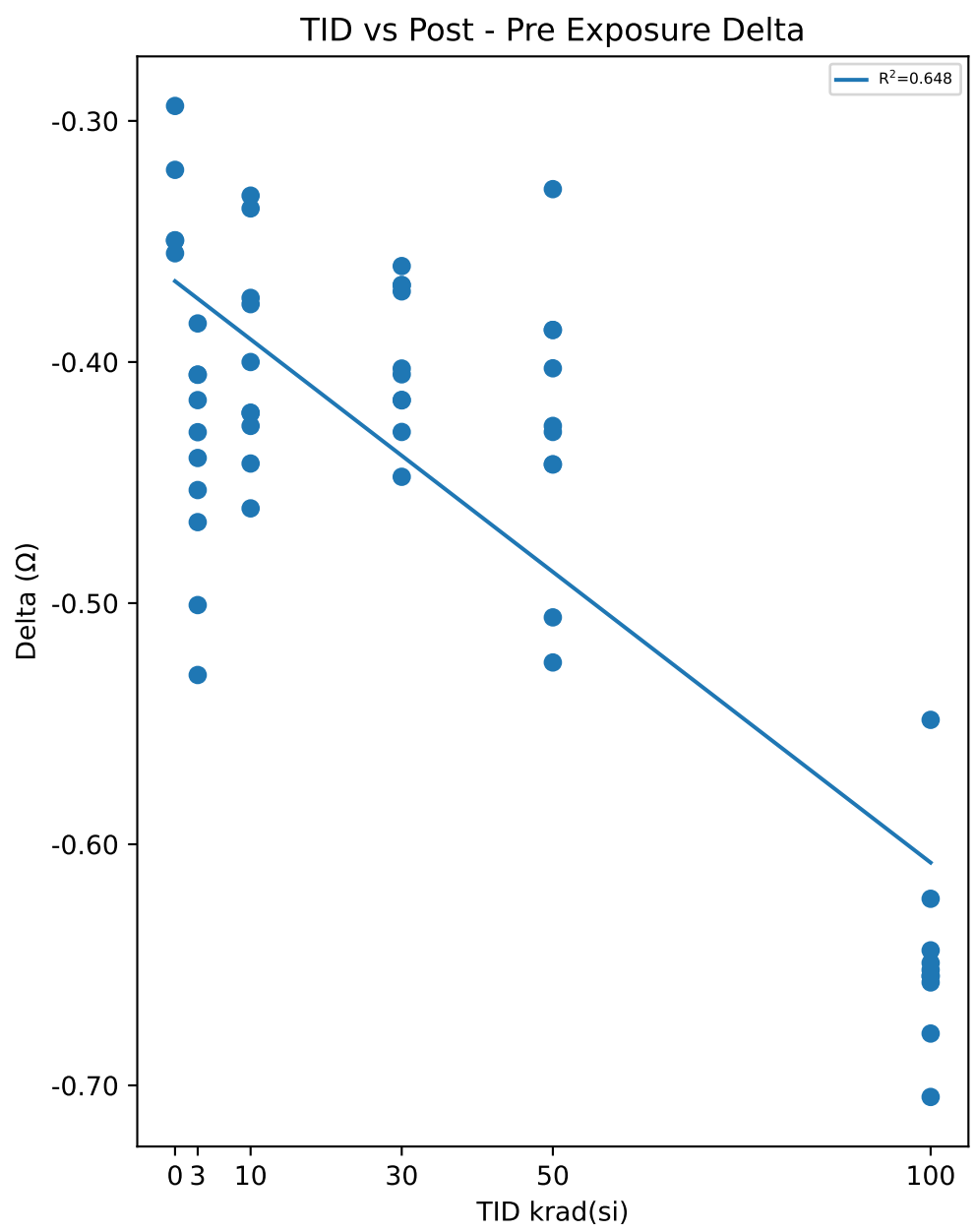
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	71.408	72.035	72.974	0.63041	71.011	71.612	72.517	0.6159	-0.4562	-0.42358	-0.3966	0.027365
3	71.108	71.745	72.759	0.50932	70.524	71.197	72.255	0.5288	-0.6061	-0.54769	-0.5004	0.035682
10	71.387	72.232	73.966	1.0058	70.897	71.714	73.437	0.95491	-0.6769	-0.51787	-0.4367	0.075956
30	71.583	72.112	72.942	0.52413	71.035	71.604	72.441	0.53518	-0.5612	-0.50822	-0.4683	0.032672
50	71.191	71.983	73.584	0.87871	70.606	71.403	72.952	0.84093	-0.674	-0.57995	-0.5001	0.050643
100	71.488	72.123	73.154	0.55937	70.646	71.297	72.236	0.55921	-0.9177	-0.82612	-0.6813	0.058704

Device Test: 18.23; PWRGD_RNMOS_OD



Test Results (Upper Limit = 200.0 (Ω))

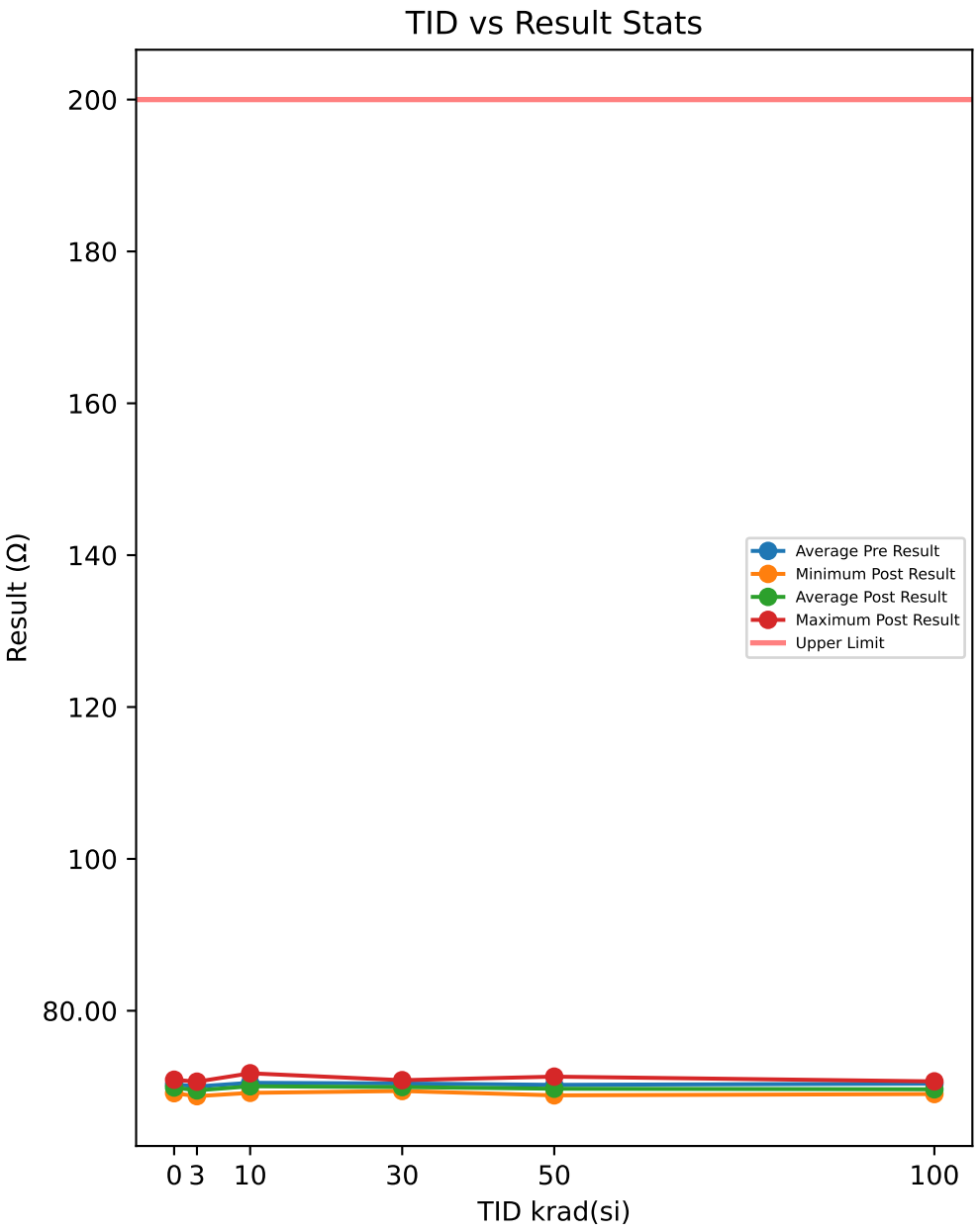
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	69.549	69.019	-0.5298
2	3	Biased	69.631	69.215	-0.4158
3	3	Biased	68.522	68.069	-0.4531
4	3	Biased	68.703	68.297	-0.4053
5	3	Biased	69.106	68.605	-0.5008
6	3	Unbiased	69.05	68.621	-0.4291
7	3	Unbiased	69.132	68.727	-0.4052
8	3	Unbiased	68.191	67.724	-0.4664
9	3	Unbiased	68.316	67.876	-0.4398
10	3	Unbiased	68.806	68.422	-0.384
11	10	Biased	68.528	68.101	-0.4265
12	10	Biased	70.918	70.457	-0.4607
13	10	Biased	68.894	68.518	-0.376
14	10	Biased	68.751	68.377	-0.3734
15	10	Biased	68.538	68.207	-0.331
16	10	Unbiased	68.594	68.173	-0.4212
17	10	Unbiased	68.976	68.64	-0.3363
18	10	Unbiased	70.297	69.876	-0.421
19	10	Unbiased	68.615	68.215	-0.4
20	10	Unbiased	70.883	70.441	-0.4421
21	30	Biased	69.172	68.756	-0.4159
22	30	Biased	69.252	68.823	-0.429
23	30	Biased	69.589	69.141	-0.4476
24	30	Biased	68.796	68.427	-0.3681
25	30	Biased	68.87	68.51	-0.3602
26	30	Unbiased	70.008	69.592	-0.4157
27	30	Unbiased	68.623	68.221	-0.4027
28	30	Unbiased	70.056	69.65	-0.4051
29	30	Unbiased	69.124	68.754	-0.3707
30	30	Unbiased	68.894	68.526	-0.3681
31	50	Biased	68.835	68.433	-0.4026
32	50	Biased	69.026	68.698	-0.3283
33	50	Biased	68.751	68.364	-0.3867
34	50	Biased	68.244	67.857	-0.3867
35	50	Biased	70.634	70.128	-0.5059
36	50	Unbiased	70.273	69.844	-0.429
37	50	Unbiased	68.438	67.995	-0.4425
38	50	Unbiased	68.414	67.971	-0.4424
39	50	Unbiased	69.146	68.621	-0.5246
40	50	Unbiased	68.835	68.409	-0.4265
41	100	Biased	69.981	69.433	-0.5484
42	100	Biased	68.552	67.897	-0.6547
43	100	Biased	70.345	69.64	-0.7048
44	100	Biased	68.833	68.154	-0.6785
45	100	Biased	69.209	68.555	-0.6546
46	100	Unbiased	69.241	68.592	-0.6492
47	100	Unbiased	69.931	69.308	-0.6226
48	100	Unbiased	68.517	67.865	-0.6521
49	100	Unbiased	68.875	68.218	-0.6573
50	100	Unbiased	68.849	68.205	-0.644
51	0	Correlation	68.504	68.149	-0.3549
53	0	Correlation	69.119	68.825	-0.2938
54	0	Correlation	68.931	68.581	-0.3496
55	0	Correlation	69.804	69.483	-0.3203
56	0	Correlation	68.838	68.489	-0.3495

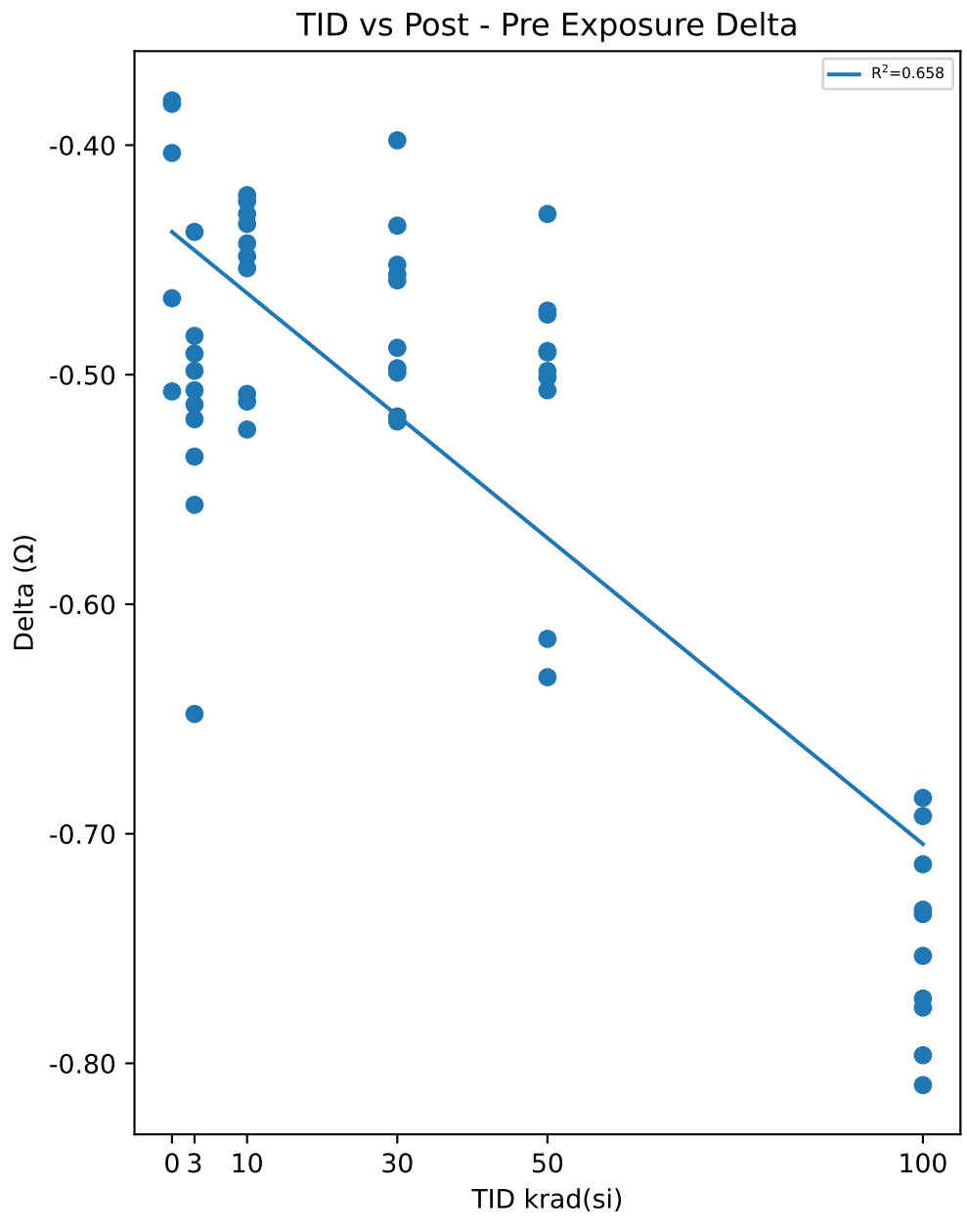


Test Statistics (Ω)

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	68.504	69.039	69.804	0.48207	68.149	68.705	69.483	0.49791	-0.3549	-0.33362	-0.2938	0.026093
3	68.191	68.901	69.631	0.48415	67.724	68.458	69.215	0.47896	-0.5298	-0.44293	-0.384	0.045703
10	68.528	69.299	70.918	0.99071	68.101	68.901	70.457	0.96349	-0.4607	-0.39882	-0.331	0.043637
30	68.623	69.238	70.056	0.49768	68.221	68.84	69.65	0.48187	-0.4476	-0.39831	-0.3602	0.029979
50	68.244	69.06	70.634	0.7906	67.857	68.632	70.128	0.76855	-0.5246	-0.42752	-0.3283	0.057557
100	68.517	69.233	70.345	0.64086	67.865	68.587	69.64	0.65088	-0.7048	-0.64662	-0.5484	0.040705

Device Test: 18.24; WDO_RNMOS_OD





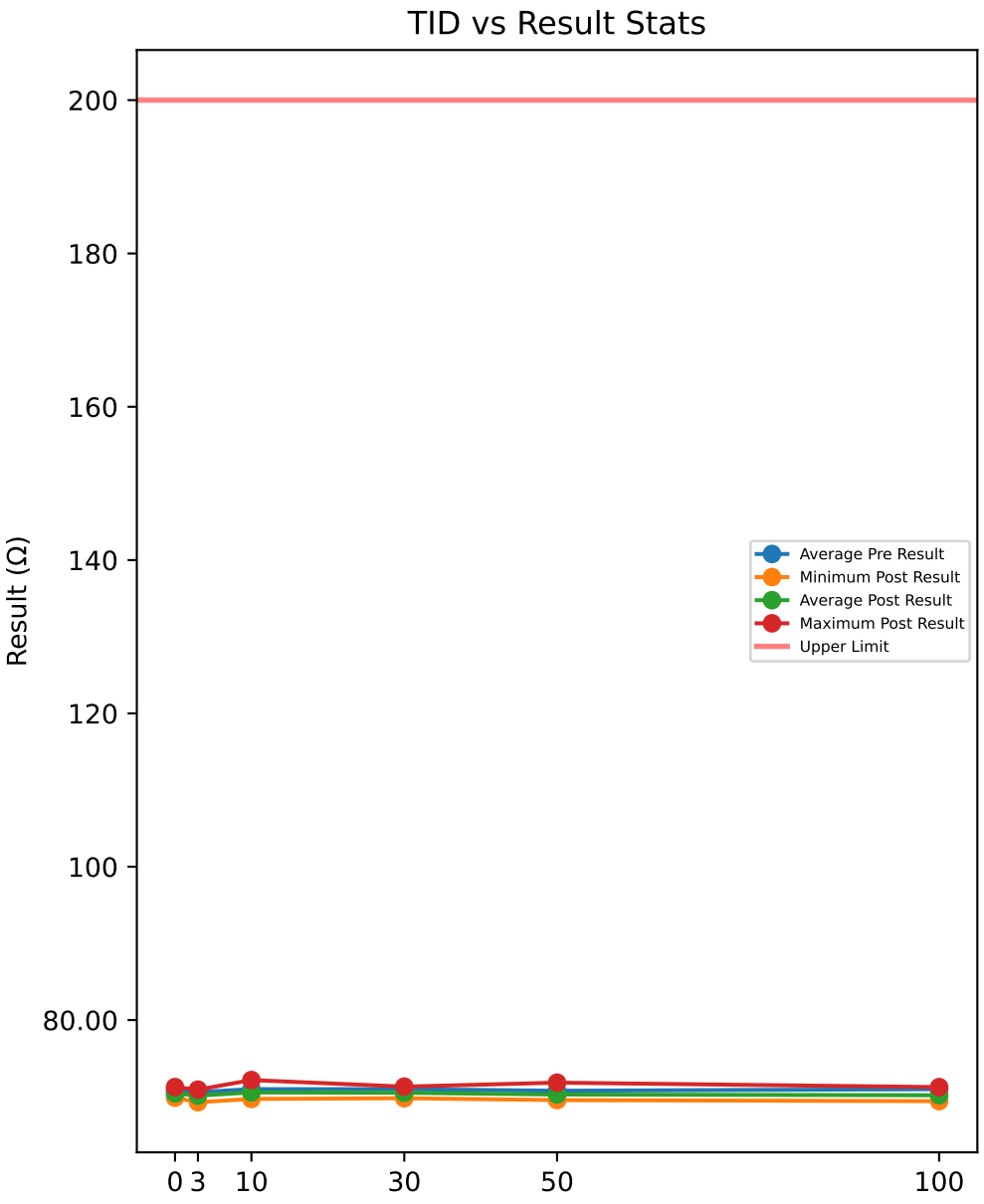
Test Results (Upper Limit = 200.0 (Ω))

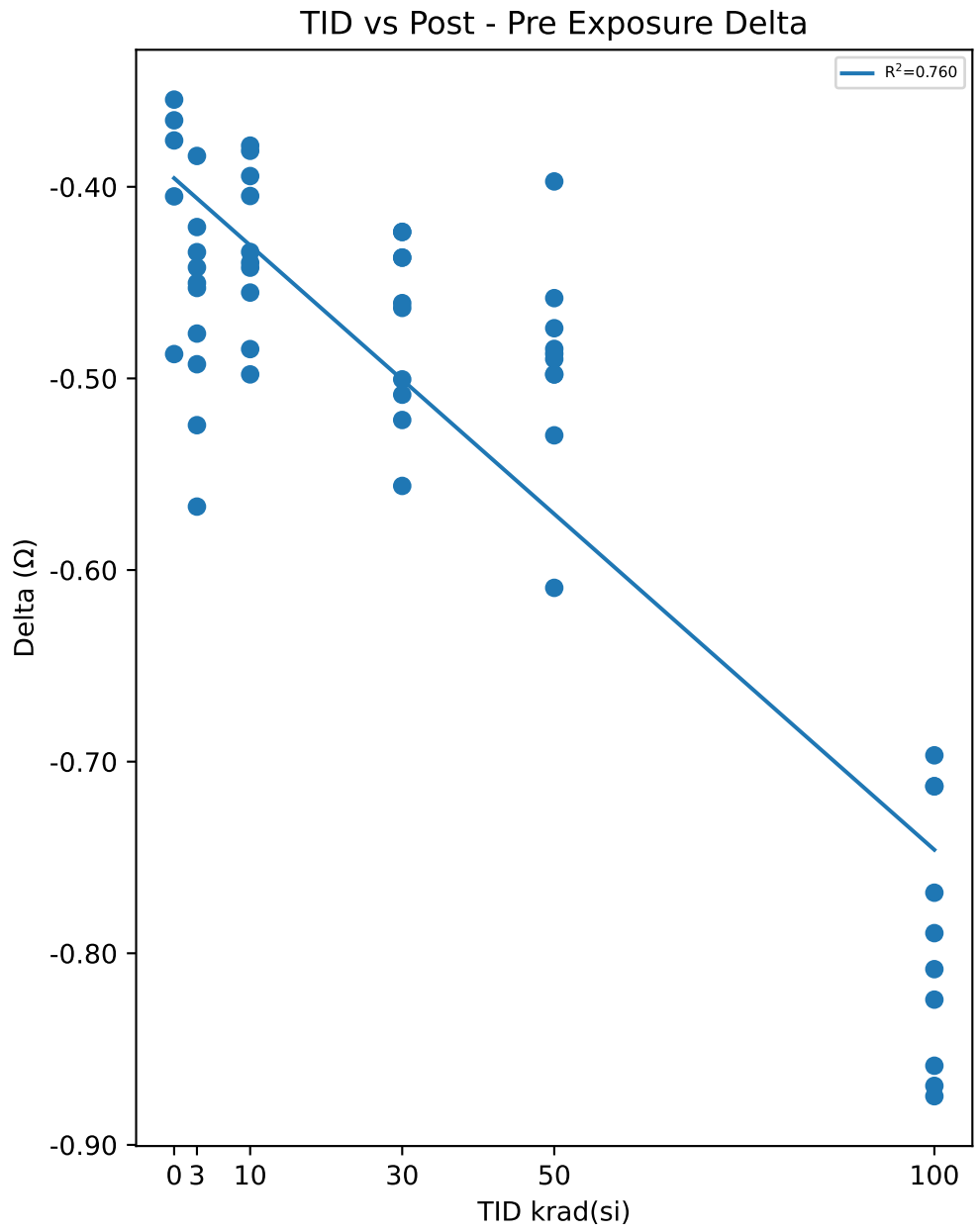
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	70.676	70.028	-0.6478
2	3	Biased	71.172	70.659	-0.513
3	3	Biased	69.59	69.034	-0.5567
4	3	Biased	69.726	69.19	-0.5357
5	3	Biased	70.302	69.819	-0.4831
6	3	Unbiased	70.049	69.543	-0.5068
7	3	Unbiased	70.026	69.535	-0.4908
8	3	Unbiased	69.436	68.938	-0.4983
9	3	Unbiased	69.272	68.753	-0.5194
10	3	Unbiased	70.047	69.609	-0.4378
11	10	Biased	69.699	69.188	-0.5117
12	10	Biased	72.032	71.523	-0.5084
13	10	Biased	70.081	69.633	-0.4484
14	10	Biased	69.866	69.413	-0.4536
15	10	Biased	69.88	69.458	-0.4218
16	10	Unbiased	69.919	69.495	-0.4245
17	10	Unbiased	70.193	69.763	-0.43
18	10	Unbiased	71.583	71.059	-0.5239
19	10	Unbiased	69.665	69.222	-0.4428
20	10	Unbiased	72.199	71.764	-0.4343
21	30	Biased	70.331	69.832	-0.4991
22	30	Biased	70.44	69.919	-0.5204
23	30	Biased	71.044	70.526	-0.5182
24	30	Biased	69.954	69.519	-0.4351
25	30	Biased	69.85	69.453	-0.3979
26	30	Unbiased	71.281	70.784	-0.4972
27	30	Unbiased	69.885	69.429	-0.4563
28	30	Unbiased	71.307	70.855	-0.4521
29	30	Unbiased	70.219	69.731	-0.4883
30	30	Unbiased	69.888	69.429	-0.4589
31	50	Biased	69.816	69.344	-0.4721
32	50	Biased	70.118	69.689	-0.43
33	50	Biased	69.641	69.14	-0.5012
34	50	Biased	69.349	68.859	-0.4903
35	50	Biased	71.811	71.322	-0.4897
36	50	Unbiased	71.79	71.316	-0.4738
37	50	Unbiased	69.569	69.071	-0.4984
38	50	Unbiased	69.704	69.089	-0.6151
39	50	Unbiased	70.583	69.951	-0.6318
40	50	Unbiased	70.055	69.548	-0.5068
41	100	Biased	71.135	70.402	-0.7331
42	100	Biased	69.829	69.058	-0.7718
43	100	Biased	71.474	70.699	-0.7757
44	100	Biased	69.893	69.14	-0.7532
45	100	Biased	70.349	69.614	-0.735
46	100	Unbiased	70.601	69.792	-0.8095
47	100	Unbiased	70.978	70.182	-0.7965
48	100	Unbiased	69.744	69.031	-0.7133
49	100	Unbiased	70.015	69.323	-0.6923
50	100	Unbiased	69.983	69.299	-0.6844
51	0	Correlation	69.612	69.145	-0.4667
53	0	Correlation	70.729	70.222	-0.5073
54	0	Correlation	70.068	69.665	-0.4034
55	0	Correlation	71.297	70.916	-0.3805
56	0	Correlation	69.885	69.503	-0.382

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	69.612	70.318	71.297	0.68469	69.145	69.89	70.916	0.69252	-0.5073	-0.42798	-0.3805	0.056488
3	69.272	70.03	71.172	0.57811	68.753	69.511	70.659	0.57005	-0.6478	-0.51894	-0.4378	0.055358
10	69.665	70.512	72.199	1.0075	69.188	70.052	71.764	0.99327	-0.5239	-0.45994	-0.4218	0.039229
30	69.85	70.42	71.307	0.58478	69.429	69.948	70.855	0.56624	-0.5204	-0.47235	-0.3979	0.039126
50	69.349	70.244	71.811	0.8887	68.859	69.733	71.322	0.89662	-0.6318	-0.51092	-0.43	0.063282
100	69.744	70.4	71.474	0.61522	69.031	69.654	70.699	0.59571	-0.8095	-0.74648	-0.6844	0.042446

Device Test: 18.5; PWRGD_RNMOS_OD





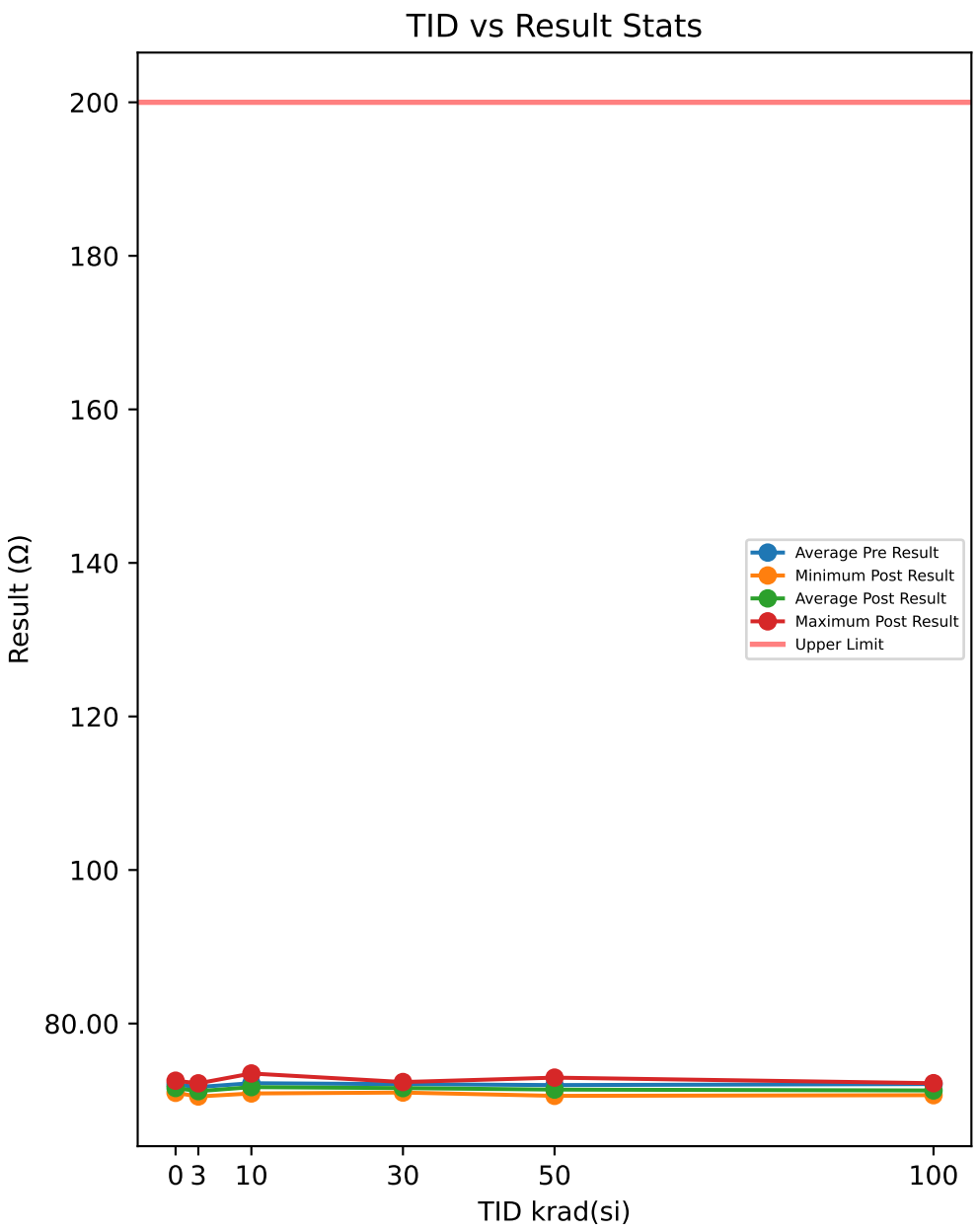
Test Results (Upper Limit = 200.0 (Ω))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	71.247	70.805	-0.4421
2	3	Biased	71.353	70.919	-0.4341
3	3	Biased	70.215	69.722	-0.4926
4	3	Biased	70.308	69.887	-0.421
5	3	Biased	70.851	70.284	-0.5669
6	3	Unbiased	70.849	70.324	-0.5244
7	3	Unbiased	70.96	70.484	-0.4766
8	3	Unbiased	69.729	69.279	-0.4502
9	3	Unbiased	70.019	69.635	-0.3839
10	3	Unbiased	70.467	70.014	-0.4528
11	10	Biased	70.164	69.77	-0.3944
12	10	Biased	72.491	72.035	-0.4552
13	10	Biased	70.682	70.184	-0.4979
14	10	Biased	70.493	70.009	-0.4847
15	10	Biased	70.254	69.876	-0.3785
16	10	Unbiased	70.146	69.706	-0.4396
17	10	Unbiased	70.745	70.303	-0.4422
18	10	Unbiased	72.079	71.645	-0.434
19	10	Unbiased	70.233	69.852	-0.3812
20	10	Unbiased	72.578	72.173	-0.4048
21	30	Biased	70.955	70.433	-0.5217
22	30	Biased	71.024	70.6	-0.4236
23	30	Biased	71.231	70.807	-0.4235
24	30	Biased	70.504	70.067	-0.4369
25	30	Biased	70.636	70.176	-0.4607
26	30	Unbiased	71.777	71.314	-0.4632
27	30	Unbiased	70.236	69.799	-0.437
28	30	Unbiased	71.862	71.306	-0.5561
29	30	Unbiased	70.875	70.375	-0.5005
30	30	Unbiased	70.682	70.173	-0.5085
31	50	Biased	70.597	70.099	-0.4979
32	50	Biased	70.761	70.263	-0.4979
33	50	Biased	70.52	70.03	-0.4899
34	50	Biased	69.973	69.576	-0.3972
35	50	Biased	72.305	71.831	-0.4738
36	50	Unbiased	71.973	71.486	-0.4871
37	50	Unbiased	70.154	69.669	-0.4846
38	50	Unbiased	70.013	69.555	-0.4581
39	50	Unbiased	70.822	70.293	-0.5297
40	50	Unbiased	70.639	70.03	-0.6093
41	100	Biased	71.679	70.982	-0.6967
42	100	Biased	70.196	69.483	-0.7129
43	100	Biased	72.04	71.25	-0.7895
44	100	Biased	70.599	69.791	-0.8083
45	100	Biased	71.024	70.149	-0.8746
46	100	Unbiased	71.045	70.176	-0.8692
47	100	Unbiased	71.785	71.017	-0.7684
48	100	Unbiased	70.132	69.42	-0.7128
49	100	Unbiased	70.716	69.857	-0.8587
50	100	Unbiased	70.586	69.762	-0.8242
51	0	Correlation	70.236	69.871	-0.3653
53	0	Correlation	70.92	70.544	-0.3758
54	0	Correlation	70.706	70.3	-0.405
55	0	Correlation	71.61	71.255	-0.3545
56	0	Correlation	70.655	70.168	-0.4873

Test Statistics (Ω)

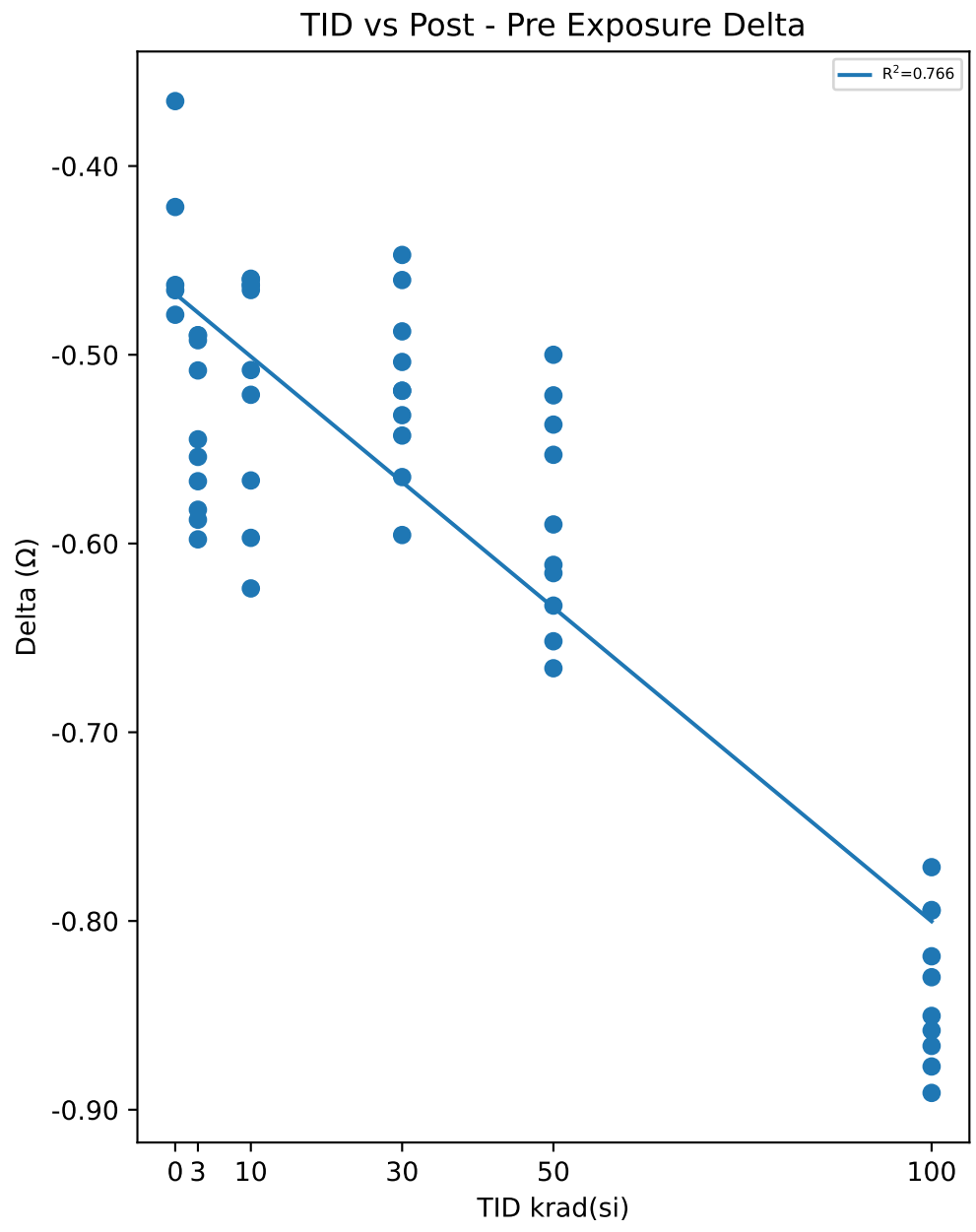
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	70.236	70.825	71.61	0.50383	69.871	70.428	71.255	0.5227	-0.4873	-0.39758	-0.3545	0.053565
3	69.729	70.6	71.353	0.53618	69.279	70.135	70.919	0.52406	-0.5669	-0.46446	-0.3839	0.052879
10	70.146	70.987	72.578	0.99281	69.706	70.555	72.173	0.98838	-0.4979	-0.43125	-0.3785	0.041386
30	70.236	70.978	71.862	0.5246	69.799	70.505	71.314	0.5085	-0.5561	-0.47317	-0.4235	0.045984
50	69.973	70.776	72.305	0.78201	69.555	70.283	71.831	0.77559	-0.6093	-0.49255	-0.3972	0.053539
100	70.132	70.98	72.04	0.66401	69.42	70.189	71.25	0.66524	-0.8746	-0.79153	-0.6967	0.067253

Device Test: 18.6; WDO_RNMOS_OD



Test Results (Upper Limit = 200.0 (Ω))

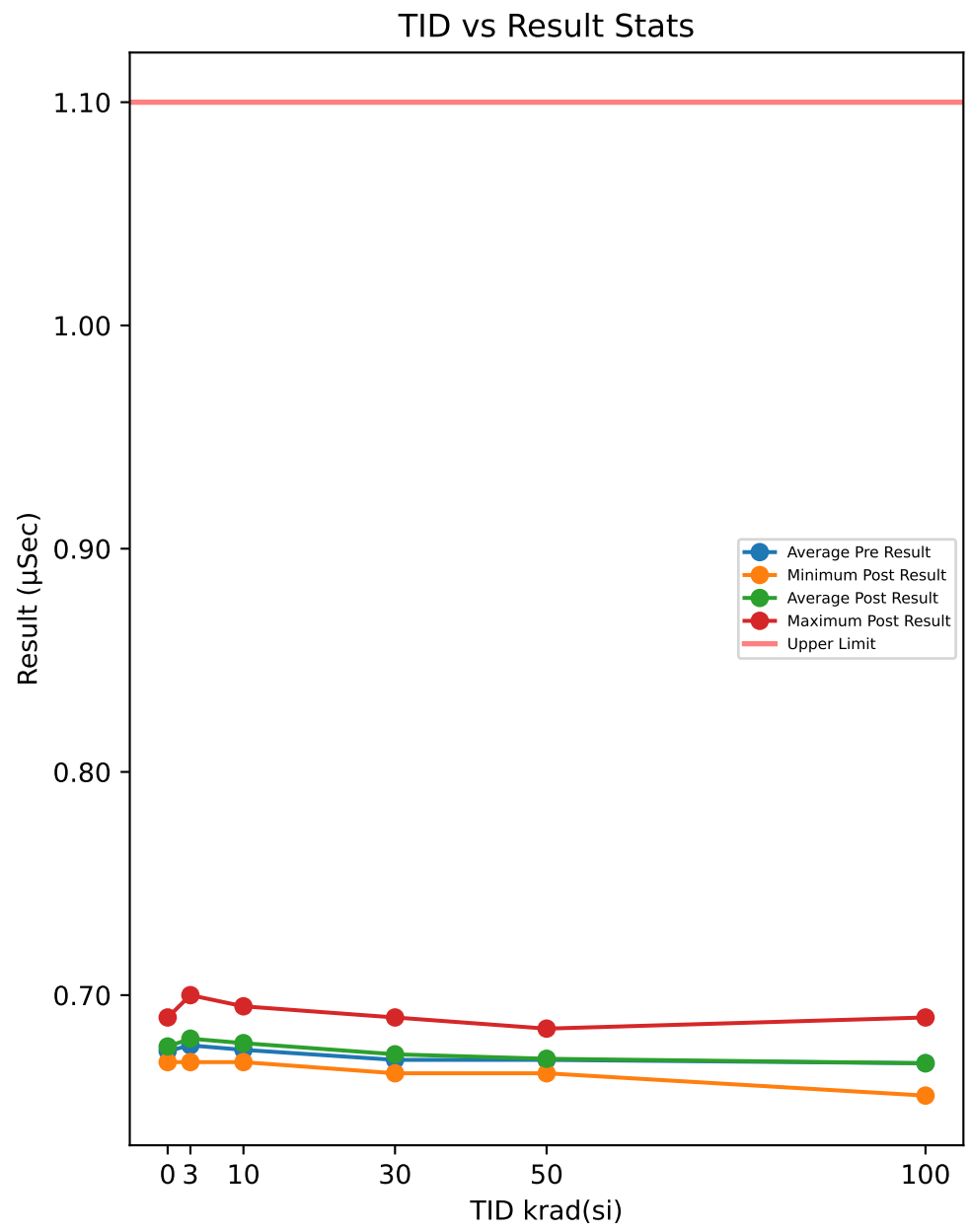
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	72.247	71.68	-0.567
2	3	Biased	72.764	72.21	-0.5541
3	3	Biased	71.35	70.768	-0.5821
4	3	Biased	71.456	70.868	-0.5874
5	3	Biased	71.965	71.475	-0.4898
6	3	Unbiased	71.814	71.306	-0.5083
7	3	Unbiased	71.803	71.311	-0.4923
8	3	Unbiased	71.095	70.497	-0.5978
9	3	Unbiased	71.076	70.532	-0.5448
10	3	Unbiased	71.737	71.248	-0.4896
11	10	Biased	71.413	70.892	-0.5212
12	10	Biased	73.653	73.029	-0.6238
13	10	Biased	71.851	71.285	-0.5666
14	10	Biased	71.628	71.12	-0.5081
15	10	Biased	71.642	71.176	-0.4657
16	10	Unbiased	71.528	71.065	-0.4629
17	10	Unbiased	71.936	71.473	-0.4633
18	10	Unbiased	73.319	72.722	-0.597
19	10	Unbiased	71.352	70.892	-0.4602
20	10	Unbiased	73.953	73.493	-0.4597
21	30	Biased	72.05	71.531	-0.519
22	30	Biased	72.132	71.613	-0.5191
23	30	Biased	72.562	72.075	-0.4876
24	30	Biased	71.708	71.176	-0.532
25	30	Biased	71.626	71.179	-0.4471
26	30	Unbiased	72.865	72.361	-0.5038
27	30	Unbiased	71.604	71.009	-0.5955
28	30	Unbiased	72.944	72.38	-0.5648
29	30	Unbiased	71.912	71.369	-0.5428
30	30	Unbiased	71.642	71.181	-0.4604
31	50	Biased	71.504	71.004	-0.5
32	50	Biased	71.777	71.255	-0.5215
33	50	Biased	71.435	70.882	-0.553
34	50	Biased	71.169	70.579	-0.5899
35	50	Biased	73.568	72.952	-0.6157
36	50	Unbiased	73.512	72.846	-0.6661
37	50	Unbiased	71.408	70.797	-0.6113
38	50	Unbiased	71.376	70.839	-0.537
39	50	Unbiased	72.228	71.576	-0.6518
40	50	Unbiased	71.859	71.226	-0.6329
41	100	Biased	72.737	71.966	-0.7715
42	100	Biased	71.538	70.68	-0.858
43	100	Biased	73.12	72.228	-0.8911
44	100	Biased	71.66	70.866	-0.7945
45	100	Biased	72.103	71.285	-0.8187
46	100	Unbiased	72.273	71.396	-0.8771
47	100	Unbiased	72.647	71.817	-0.8298
48	100	Unbiased	71.461	70.667	-0.7942
49	100	Unbiased	71.851	71.001	-0.8503
50	100	Unbiased	71.774	70.908	-0.8662
51	0	Correlation	71.453	70.974	-0.4788
53	0	Correlation	72.34	71.974	-0.3656
54	0	Correlation	71.822	71.356	-0.4658
55	0	Correlation	72.974	72.552	-0.4217
56	0	Correlation	71.618	71.155	-0.463

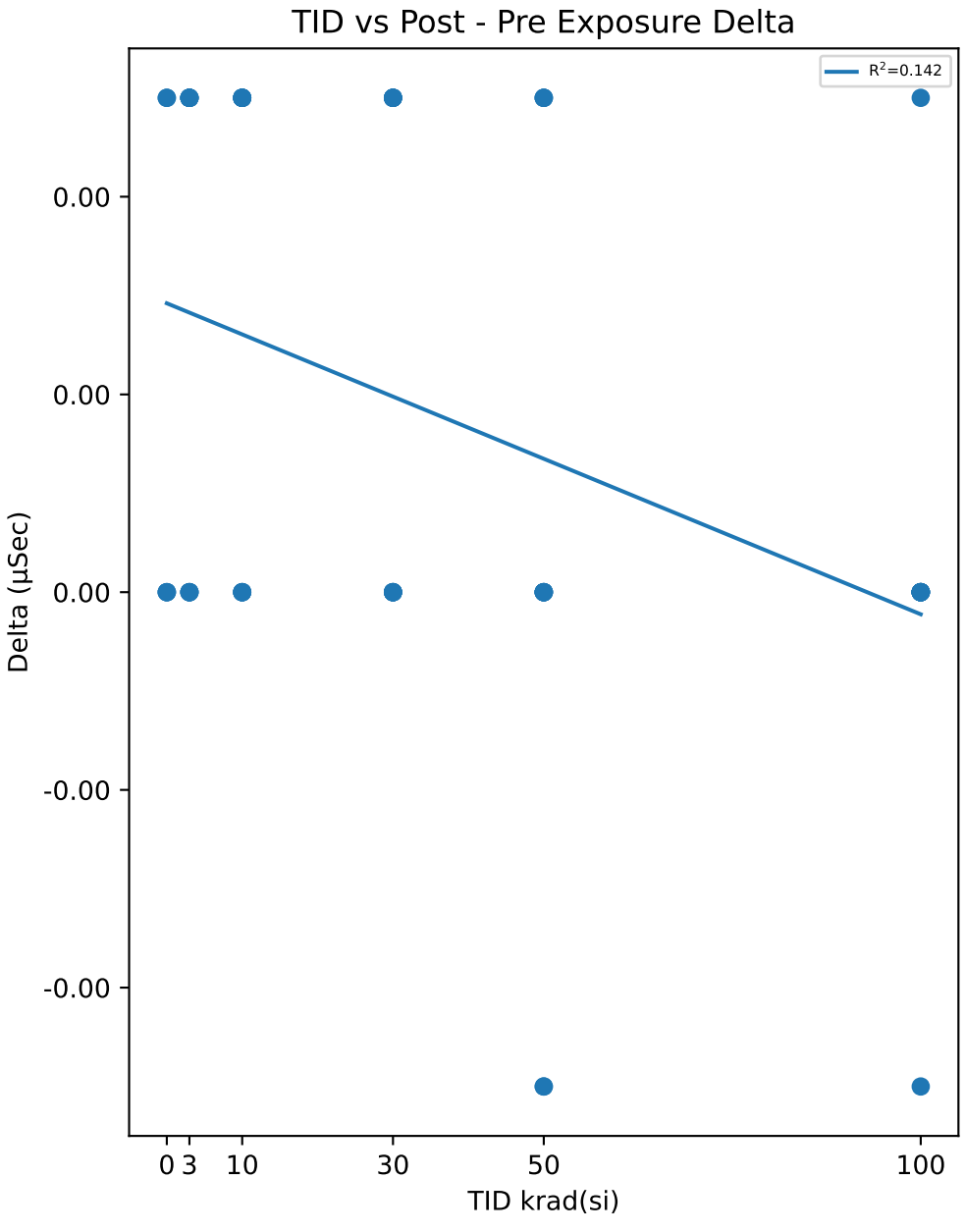


Test Statistics (Ω)

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	71.453	72.041	72.974	0.61877	70.974	71.602	72.552	0.65096	-0.4788	-0.43898	-0.3656	0.046274
3	71.076	71.731	72.764	0.52219	70.497	71.189	72.21	0.53625	-0.5978	-0.54132	-0.4896	0.042991
10	71.352	72.227	73.953	1.0026	70.892	71.715	73.493	0.97565	-0.6238	-0.51285	-0.4597	0.062488
30	71.604	72.105	72.944	0.51475	71.009	71.587	72.38	0.5111	-0.5955	-0.51721	-0.4471	0.045306
50	71.169	71.984	73.568	0.87307	70.579	71.396	72.952	0.84068	-0.6661	-0.58792	-0.5	0.057244
100	71.461	72.117	73.12	0.56353	70.667	71.281	72.228	0.5574	-0.8911	-0.83514	-0.7715	0.039841

Device Test: 25.1; SR_UVLO_HT





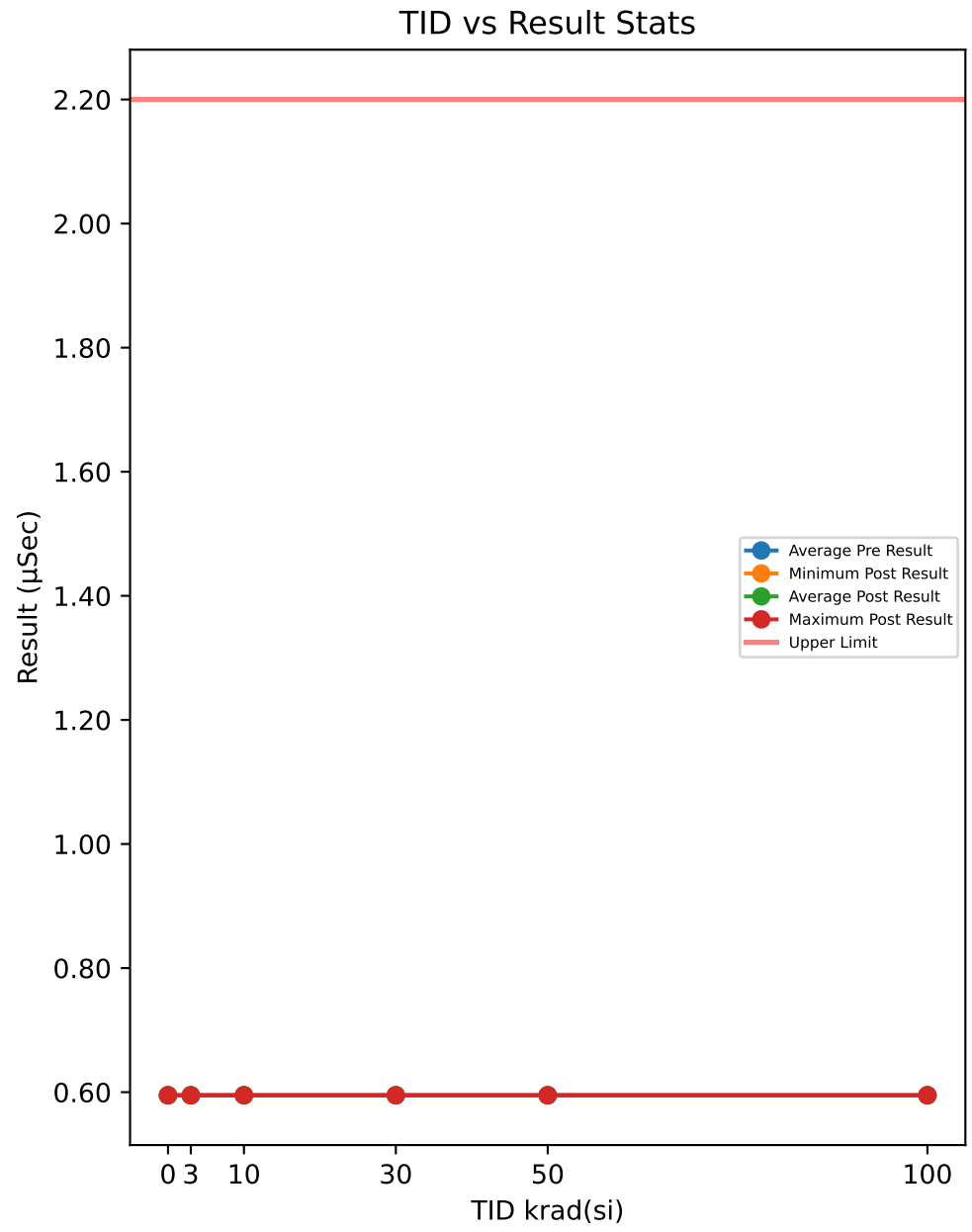
Test Results (Upper Limit = 1.1 (µSec))

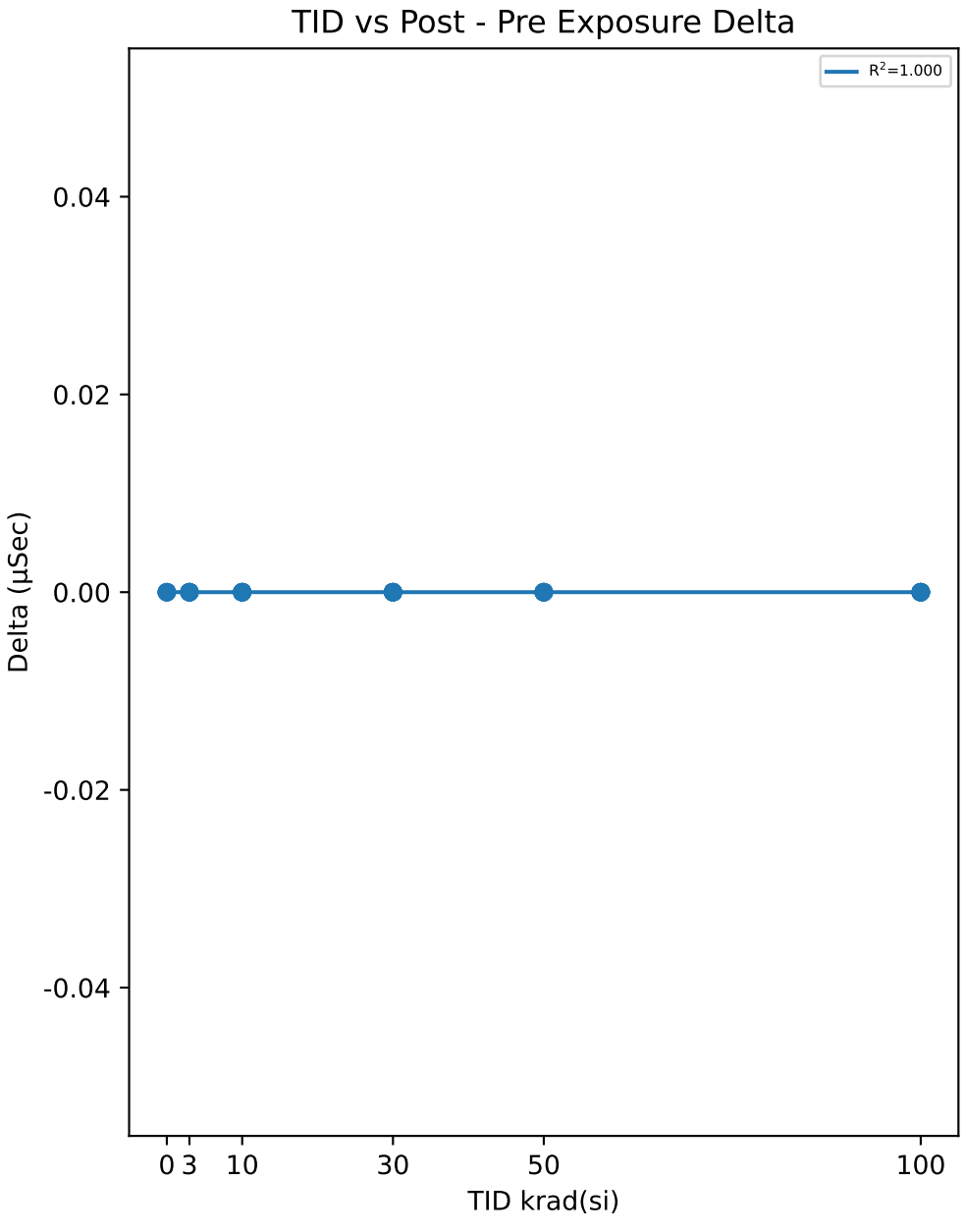
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.695	0.7	0.005
2	3	Biased	0.69	0.695	0.005
3	3	Biased	0.68	0.685	0.005
4	3	Biased	0.665	0.67	0.005
5	3	Biased	0.675	0.675	0
6	3	Unbiased	0.67	0.67	0
7	3	Unbiased	0.68	0.68	0
8	3	Unbiased	0.68	0.685	0.005
9	3	Unbiased	0.675	0.675	0
10	3	Unbiased	0.665	0.67	0.005
11	10	Biased	0.67	0.67	0
12	10	Biased	0.68	0.68	0
13	10	Biased	0.67	0.67	0
14	10	Biased	0.665	0.67	0.005
15	10	Biased	0.68	0.685	0.005
16	10	Unbiased	0.67	0.675	0.005
17	10	Unbiased	0.69	0.695	0.005
18	10	Unbiased	0.68	0.68	0
19	10	Unbiased	0.67	0.675	0.005
20	10	Unbiased	0.68	0.685	0.005
21	30	Biased	0.67	0.67	0
22	30	Biased	0.67	0.67	0
23	30	Biased	0.69	0.69	0
24	30	Biased	0.665	0.665	0
25	30	Biased	0.67	0.67	0
26	30	Unbiased	0.67	0.675	0.005
27	30	Unbiased	0.67	0.675	0.005
28	30	Unbiased	0.67	0.675	0.005
29	30	Unbiased	0.67	0.675	0.005
30	30	Unbiased	0.665	0.67	0.005
31	50	Biased	0.665	0.665	0
32	50	Biased	0.67	0.665	-0.005
33	50	Biased	0.67	0.665	-0.005
34	50	Biased	0.67	0.67	0
35	50	Biased	0.68	0.68	0
36	50	Unbiased	0.67	0.67	0
37	50	Unbiased	0.67	0.675	0.005
38	50	Unbiased	0.68	0.685	0.005
39	50	Unbiased	0.67	0.675	0.005
40	50	Unbiased	0.665	0.665	0
41	100	Biased	0.69	0.69	0
42	100	Biased	0.675	0.675	0
43	100	Biased	0.67	0.67	0
44	100	Biased	0.665	0.67	0.005
45	100	Biased	0.665	0.665	0
46	100	Unbiased	0.67	0.67	0
47	100	Unbiased	0.67	0.67	0
48	100	Unbiased	0.665	0.665	0
49	100	Unbiased	0.665	0.665	0
50	100	Unbiased	0.66	0.655	-0.005
51	0	Correlation	0.67	0.675	0.005
53	0	Correlation	0.69	0.69	0
54	0	Correlation	0.665	0.67	0.005
55	0	Correlation	0.68	0.68	0
56	0	Correlation	0.67	0.67	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	0.665	0.675	0.69	0.01	0.67	0.677	0.69	0.0083666	0	0.002	0.005	0.0027386
3	0.665	0.6775	0.695	0.0097895	0.67	0.6805	0.7	0.010659	0	0.003	0.005	0.002582
10	0.665	0.6755	0.69	0.0076194	0.67	0.6785	0.695	0.008182	0	0.003	0.005	0.002582
30	0.665	0.671	0.69	0.0069921	0.665	0.6735	0.69	0.0066875	0	0.0025	0.005	0.0026352
50	0.665	0.671	0.68	0.005164	0.665	0.6715	0.685	0.0070907	-0.005	0.0005	0.005	0.0036893
100	0.66	0.6695	0.69	0.0083166	0.655	0.6695	0.69	0.0089598	-0.005	0	0.005	0.002357

Device Test: 25.10; SENSE_F_HT_PP





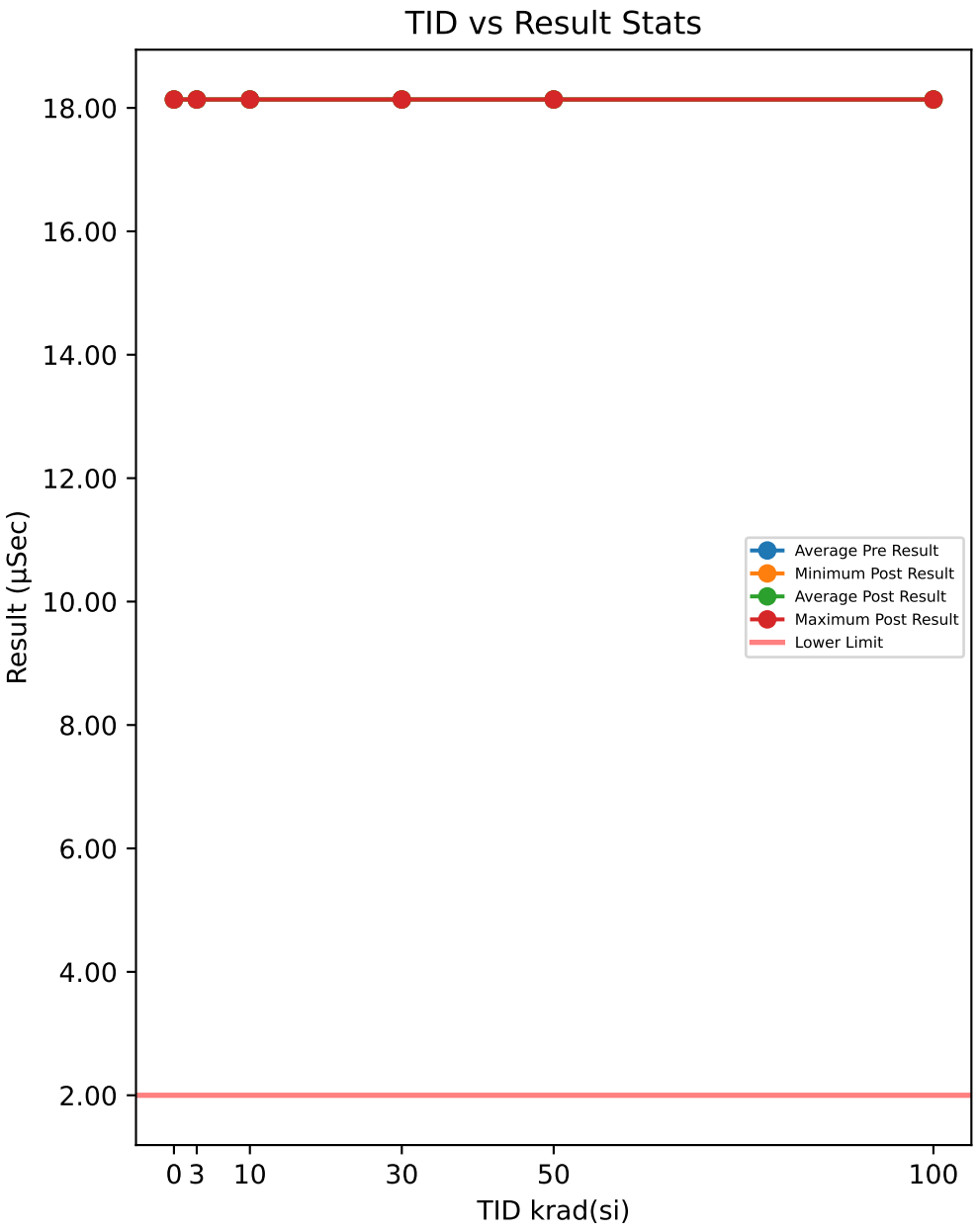
Test Results (Upper Limit = 2.2 (µSec))

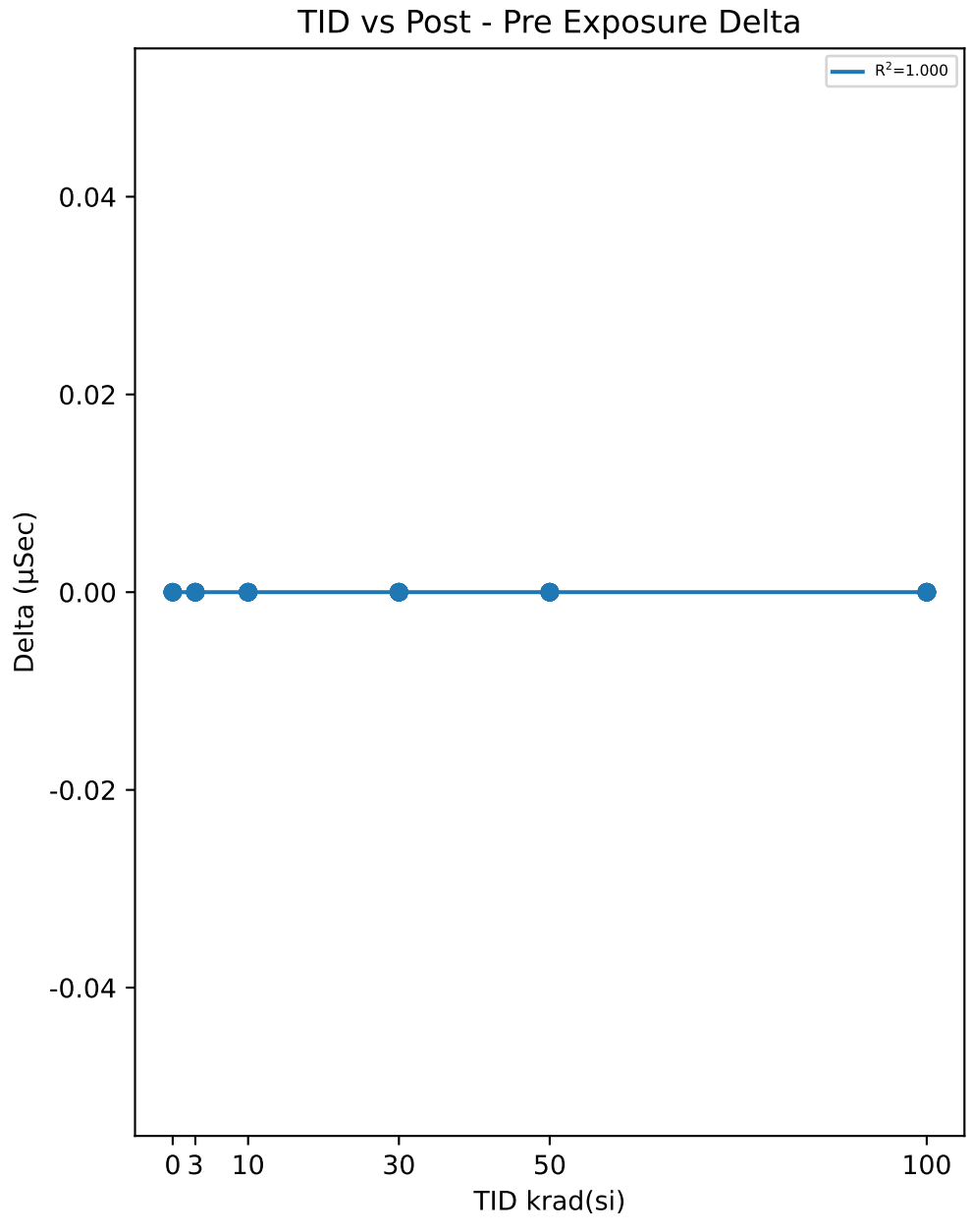
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.595	0.595	0
2	3	Biased	0.595	0.595	0
3	3	Biased	0.595	0.595	0
4	3	Biased	0.595	0.595	0
5	3	Biased	0.595	0.595	0
6	3	Unbiased	0.595	0.595	0
7	3	Unbiased	0.595	0.595	0
8	3	Unbiased	0.595	0.595	0
9	3	Unbiased	0.595	0.595	0
10	3	Unbiased	0.595	0.595	0
11	10	Biased	0.595	0.595	0
12	10	Biased	0.595	0.595	0
13	10	Biased	0.595	0.595	0
14	10	Biased	0.595	0.595	0
15	10	Biased	0.595	0.595	0
16	10	Unbiased	0.595	0.595	0
17	10	Unbiased	0.595	0.595	0
18	10	Unbiased	0.595	0.595	0
19	10	Unbiased	0.595	0.595	0
20	10	Unbiased	0.595	0.595	0
21	30	Biased	0.595	0.595	0
22	30	Biased	0.595	0.595	0
23	30	Biased	0.595	0.595	0
24	30	Biased	0.595	0.595	0
25	30	Biased	0.595	0.595	0
26	30	Unbiased	0.595	0.595	0
27	30	Unbiased	0.595	0.595	0
28	30	Unbiased	0.595	0.595	0
29	30	Unbiased	0.595	0.595	0
30	30	Unbiased	0.595	0.595	0
31	50	Biased	0.595	0.595	0
32	50	Biased	0.595	0.595	0
33	50	Biased	0.595	0.595	0
34	50	Biased	0.595	0.595	0
35	50	Biased	0.595	0.595	0
36	50	Unbiased	0.595	0.595	0
37	50	Unbiased	0.595	0.595	0
38	50	Unbiased	0.595	0.595	0
39	50	Unbiased	0.595	0.595	0
40	50	Unbiased	0.595	0.595	0
41	100	Biased	0.595	0.595	0
42	100	Biased	0.595	0.595	0
43	100	Biased	0.595	0.595	0
44	100	Biased	0.595	0.595	0
45	100	Biased	0.595	0.595	0
46	100	Unbiased	0.595	0.595	0
47	100	Unbiased	0.595	0.595	0
48	100	Unbiased	0.595	0.595	0
49	100	Unbiased	0.595	0.595	0
50	100	Unbiased	0.595	0.595	0
51	0	Correlation	0.595	0.595	0
53	0	Correlation	0.595	0.595	0
54	0	Correlation	0.595	0.595	0
55	0	Correlation	0.595	0.595	0
56	0	Correlation	0.595	0.595	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	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0
3	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0
10	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0
30	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0
50	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0
100	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0

Device Test: 25.11; WDI_HT





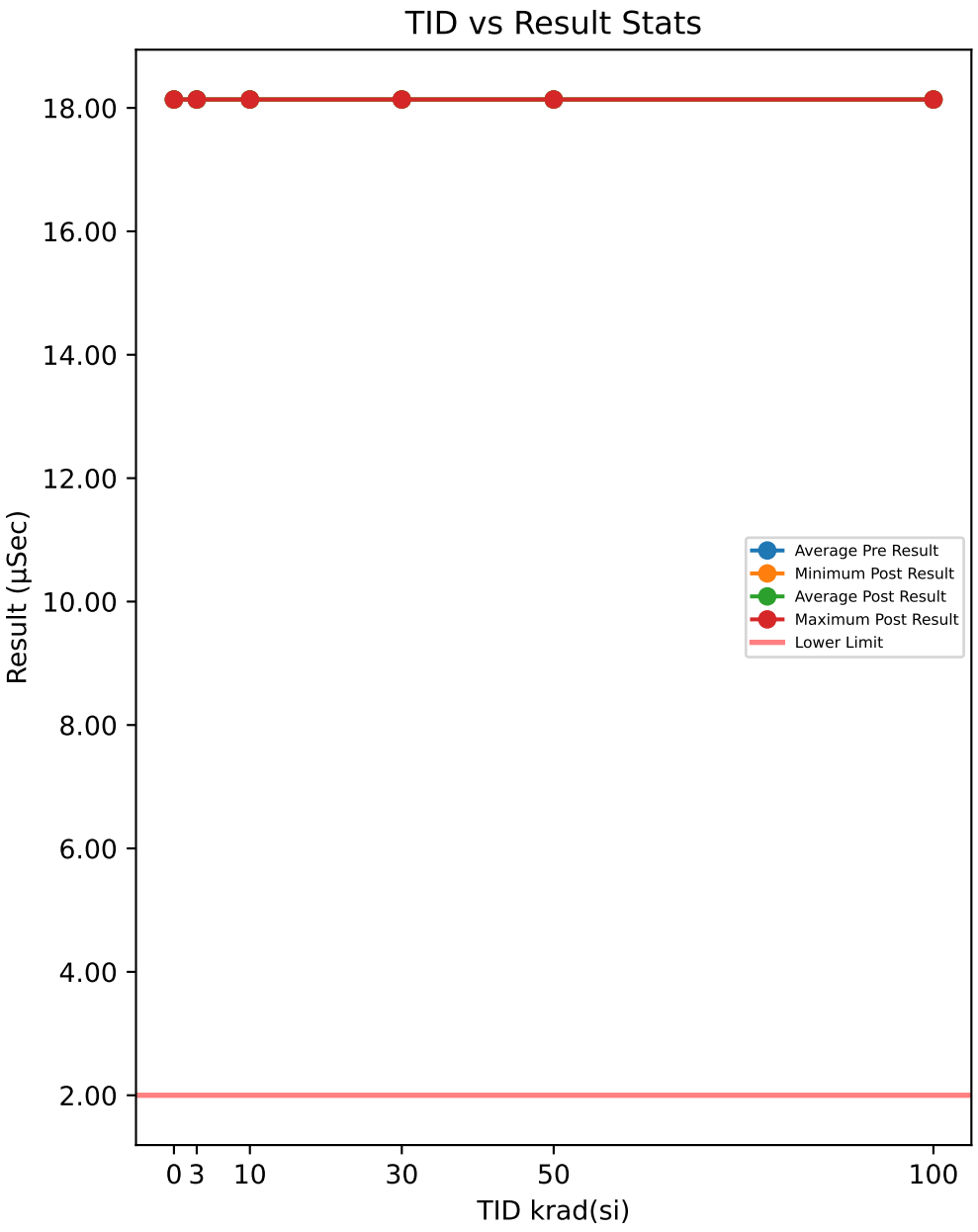
Test Results (Lower Limit = 2.0 (µSec))

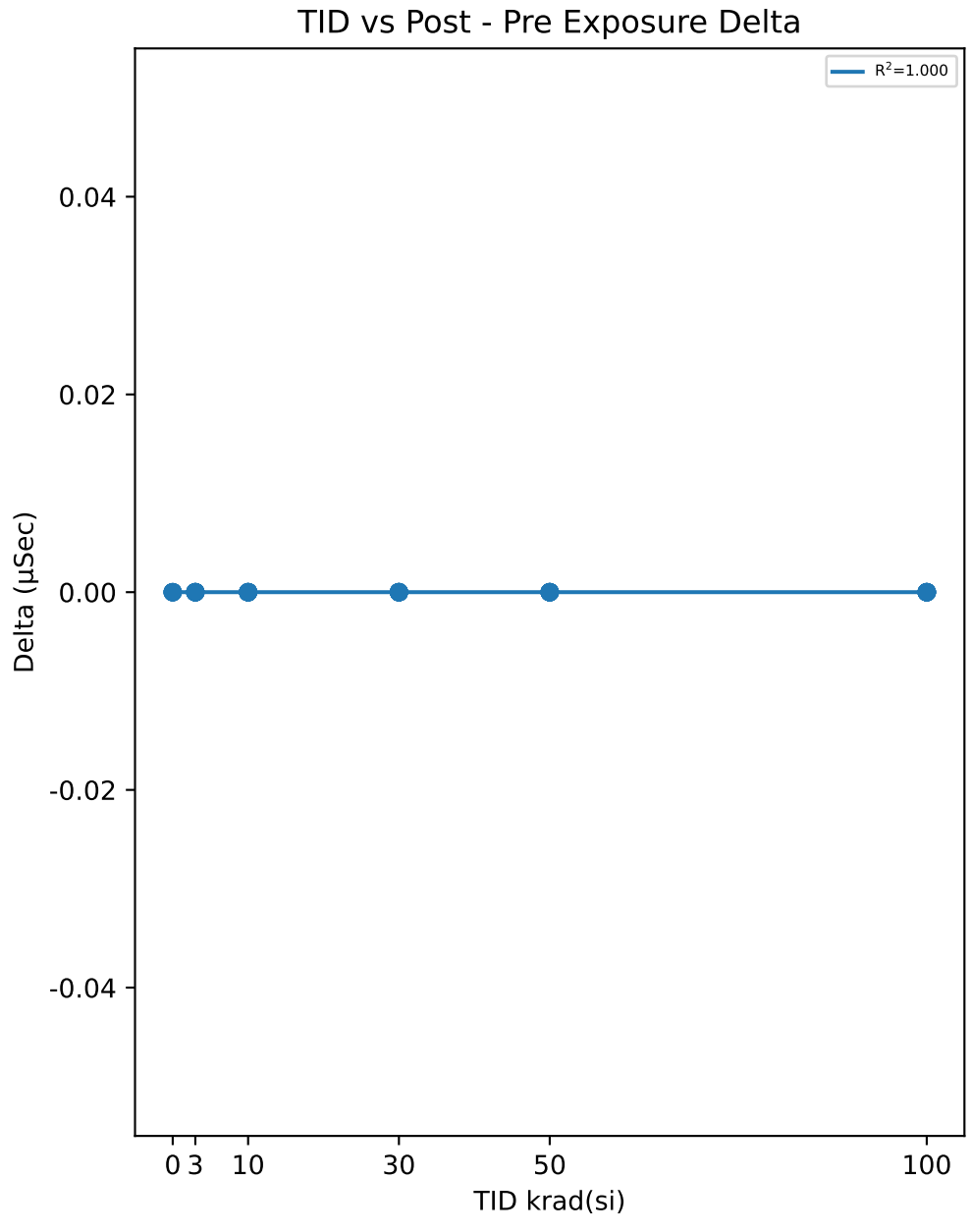
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	18.136	18.136	0
2	3	Biased	18.136	18.136	0
3	3	Biased	18.136	18.136	0
4	3	Biased	18.136	18.136	0
5	3	Biased	18.136	18.136	0
6	3	Unbiased	18.136	18.136	0
7	3	Unbiased	18.136	18.136	0
8	3	Unbiased	18.136	18.136	0
9	3	Unbiased	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
53	0	Correlation	18.136	18.136	0
54	0	Correlation	18.136	18.136	0
55	0	Correlation	18.136	18.136	0
56	0	Correlation	18.136	18.136	0

Test Statistics (µSec)

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

Device Test: 25.12; WDI_HT





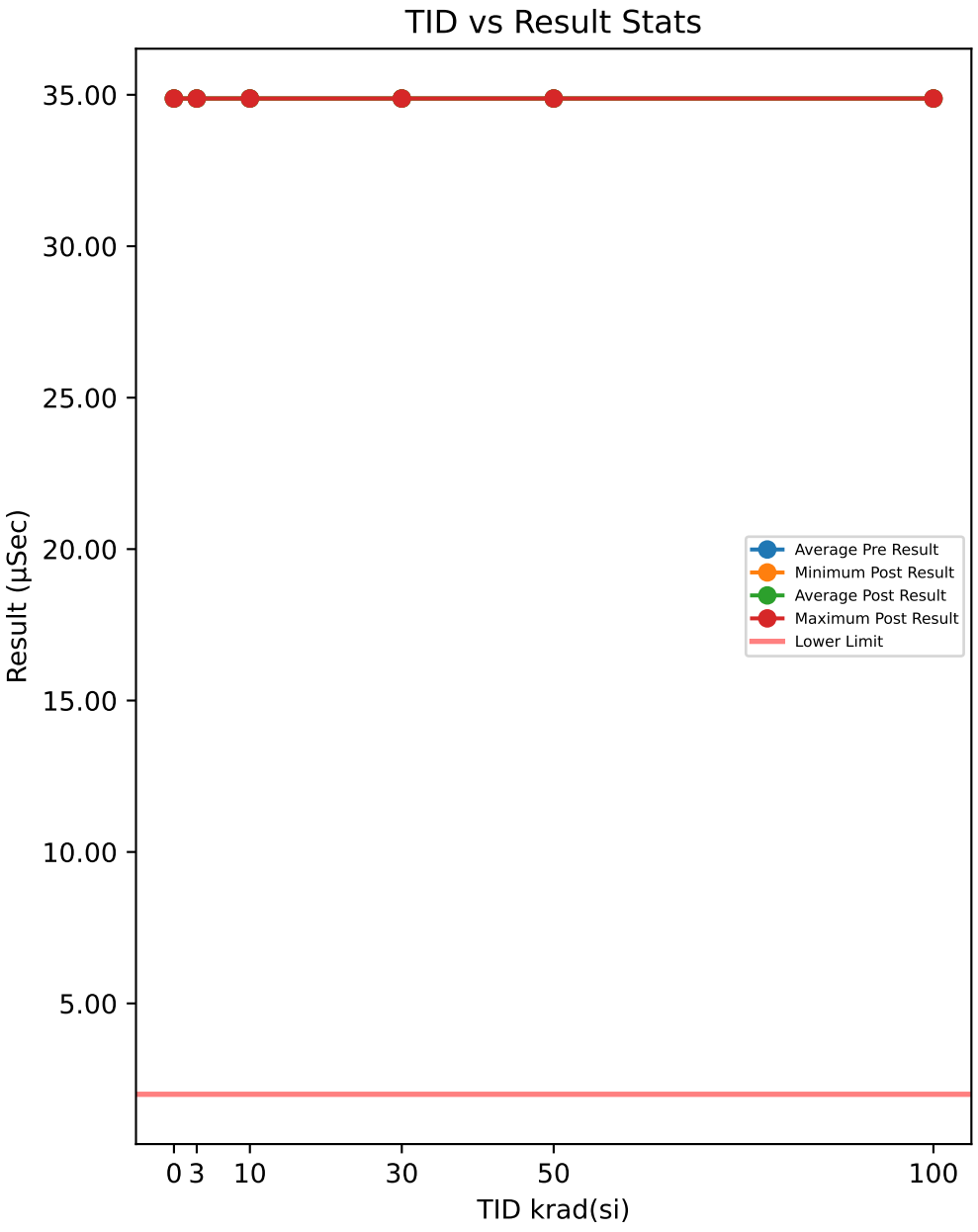
Test Results (Lower Limit = 2.0 (µSec))

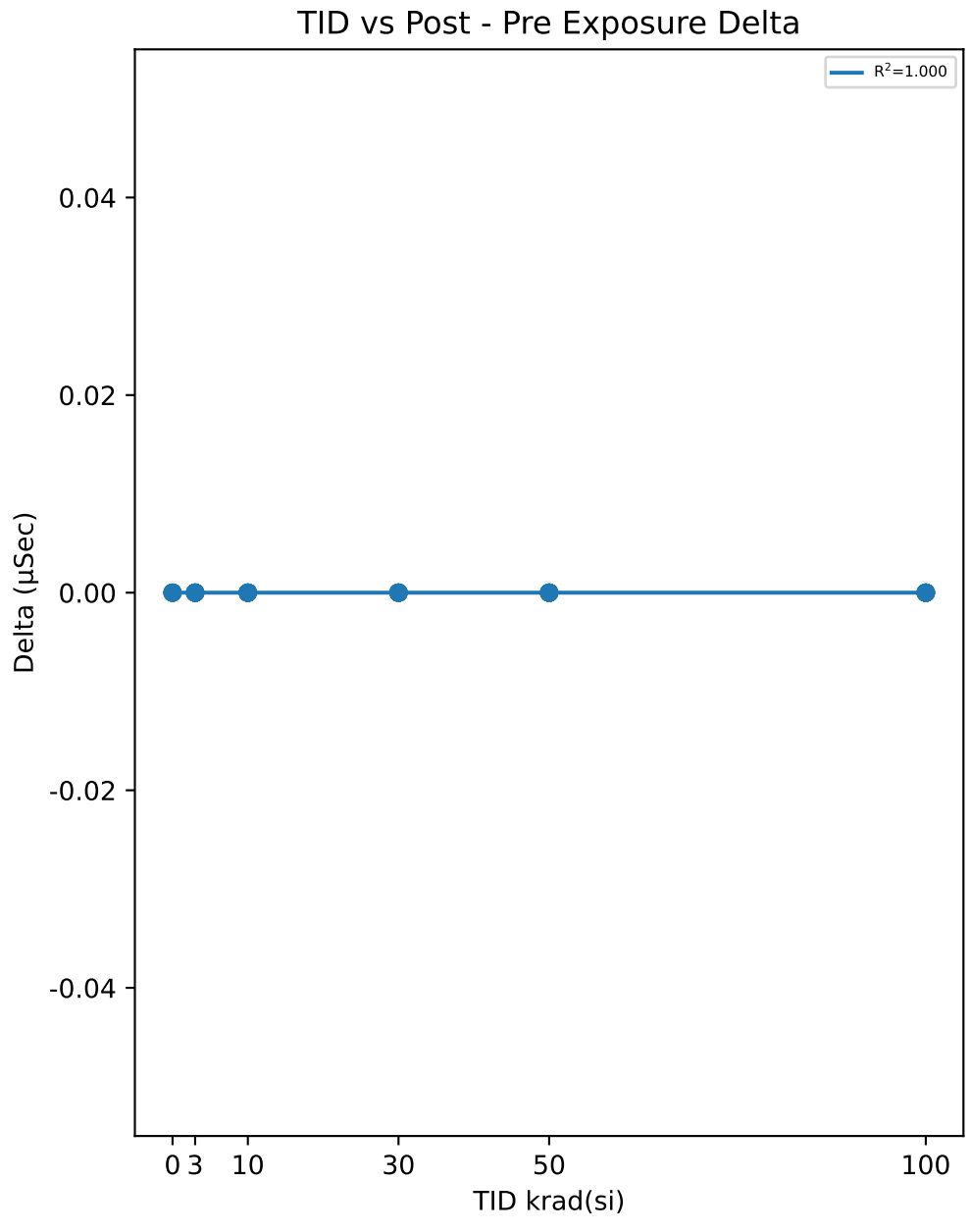
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	18.136	18.136	0
2	3	Biased	18.136	18.136	0
3	3	Biased	18.136	18.136	0
4	3	Biased	18.136	18.136	0
5	3	Biased	18.136	18.136	0
6	3	Unbiased	18.136	18.136	0
7	3	Unbiased	18.136	18.136	0
8	3	Unbiased	18.136	18.136	0
9	3	Unbiased	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
53	0	Correlation	18.136	18.136	0
54	0	Correlation	18.136	18.136	0
55	0	Correlation	18.136	18.136	0
56	0	Correlation	18.136	18.136	0

Test Statistics (µSec)

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

Device Test: 25.13; WDI_HT





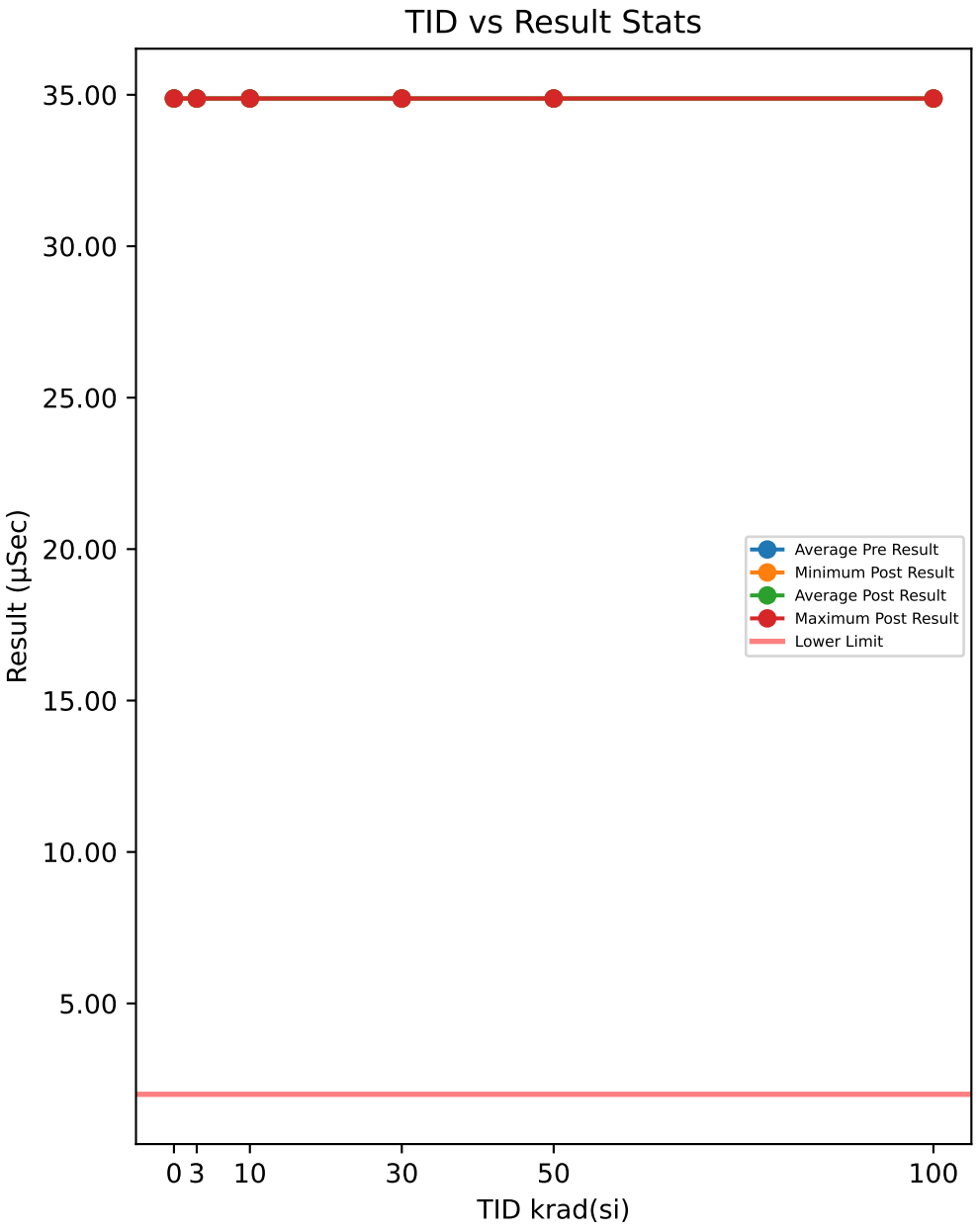
Test Results (Lower Limit = 2.0 (µSec))

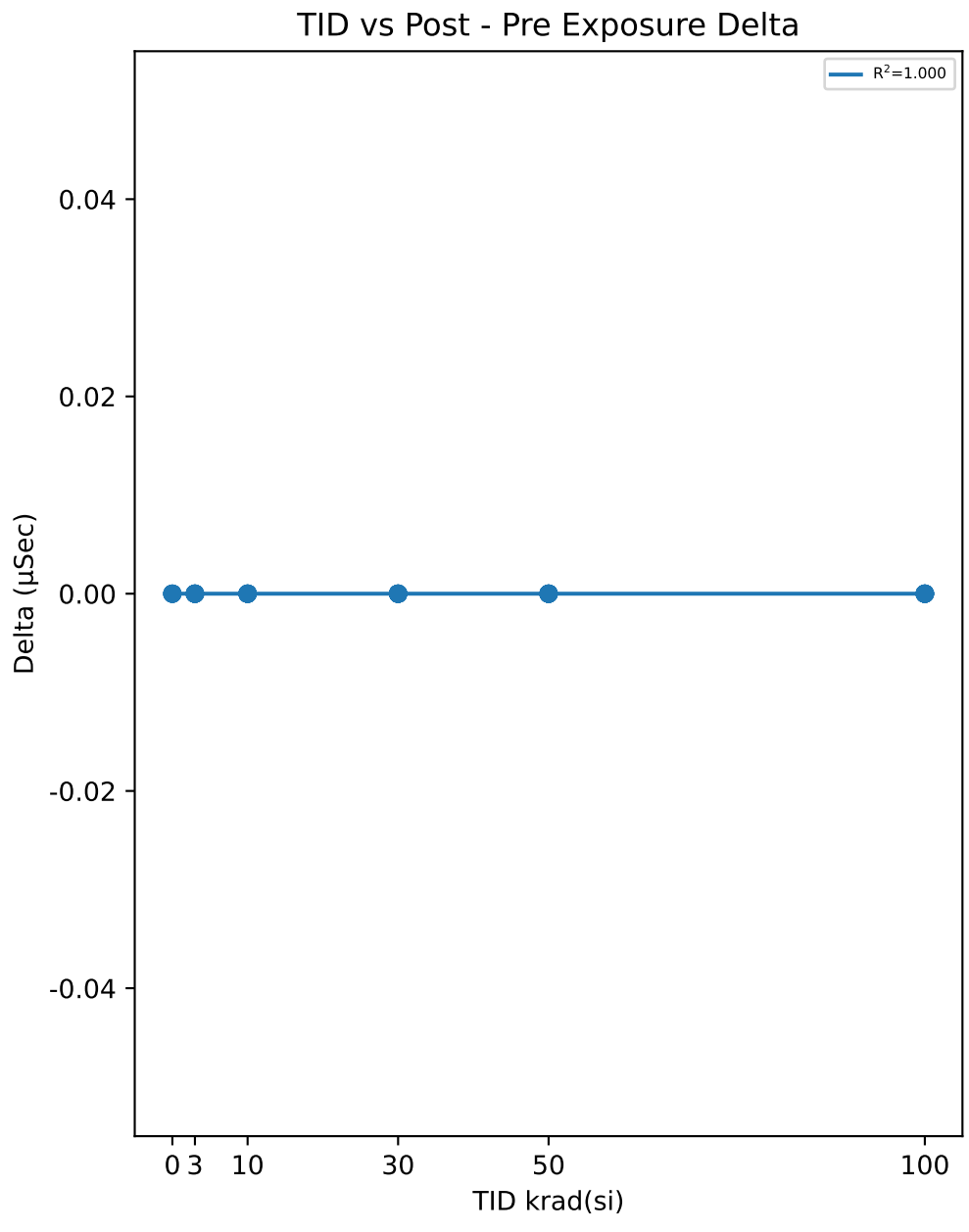
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	34.877	34.877	0
2	3	Biased	34.877	34.877	0
3	3	Biased	34.877	34.877	0
4	3	Biased	34.877	34.877	0
5	3	Biased	34.877	34.877	0
6	3	Unbiased	34.877	34.877	0
7	3	Unbiased	34.877	34.877	0
8	3	Unbiased	34.877	34.877	0
9	3	Unbiased	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
53	0	Correlation	34.877	34.877	0
54	0	Correlation	34.877	34.877	0
55	0	Correlation	34.877	34.877	0
56	0	Correlation	34.877	34.877	0

Test Statistics (µSec)

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

Device Test: 25.14; WDI_HT





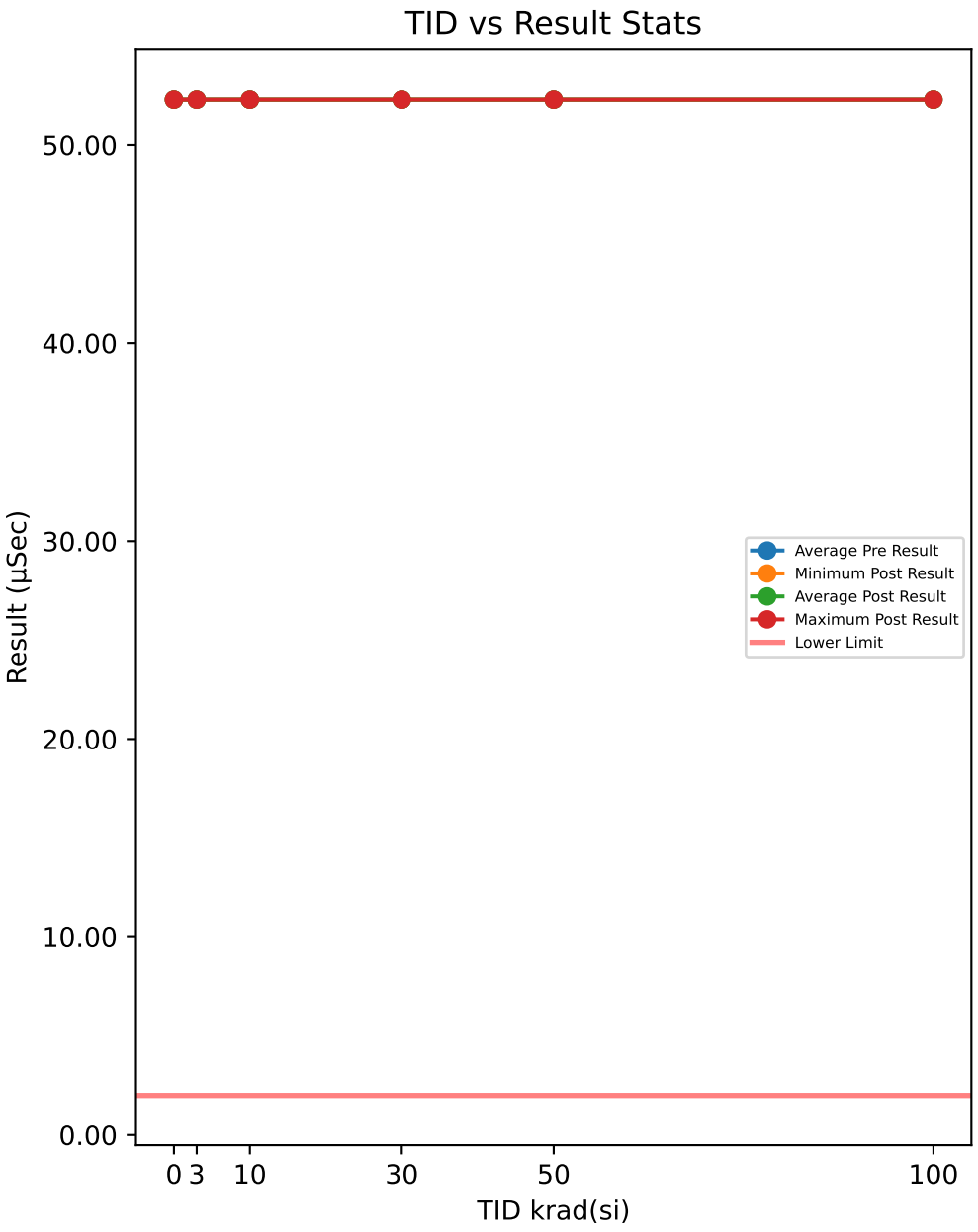
Test Results (Lower Limit = 2.0 (µSec))

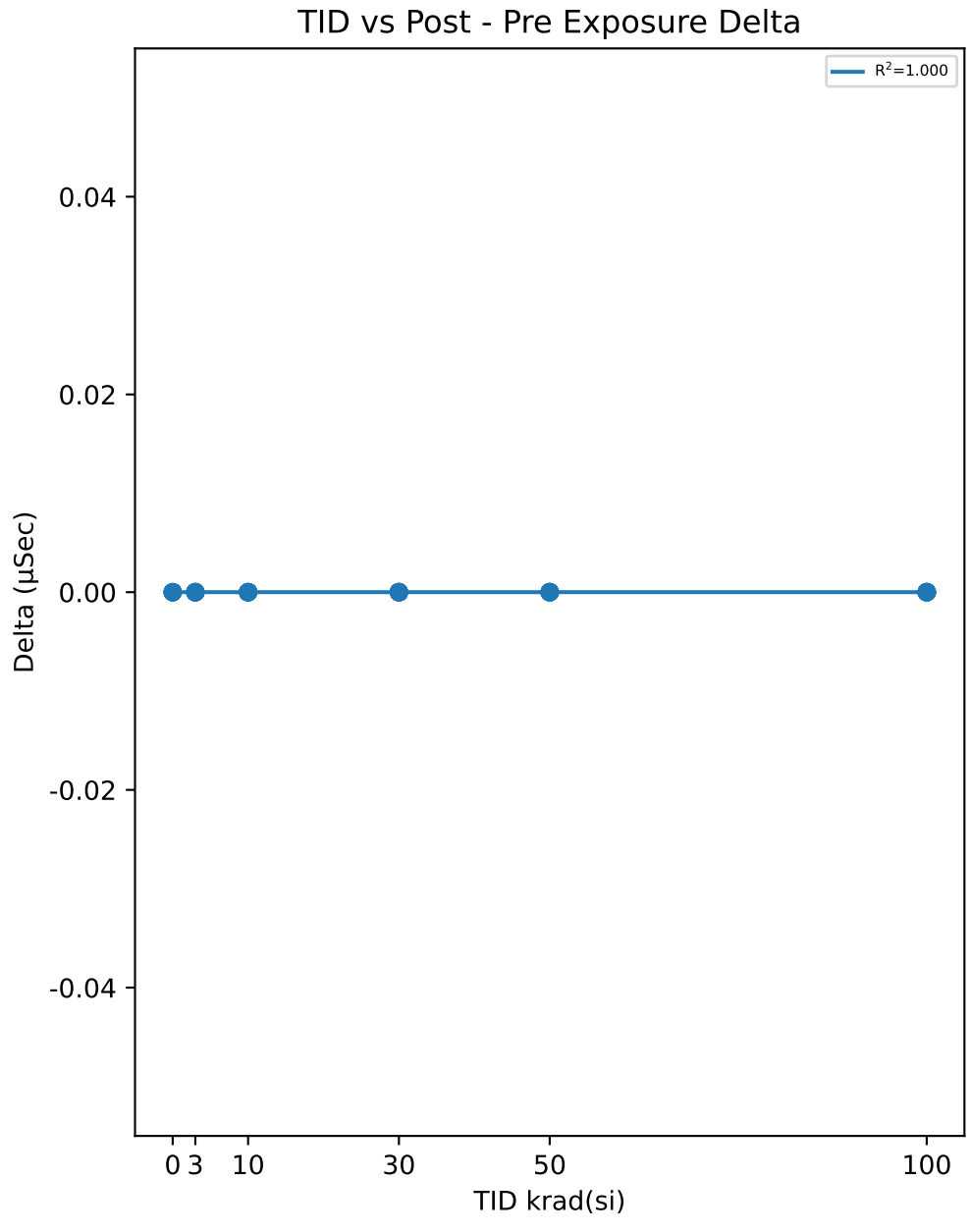
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	34.877	34.877	0
2	3	Biased	34.877	34.877	0
3	3	Biased	34.877	34.877	0
4	3	Biased	34.877	34.877	0
5	3	Biased	34.877	34.877	0
6	3	Unbiased	34.877	34.877	0
7	3	Unbiased	34.877	34.877	0
8	3	Unbiased	34.877	34.877	0
9	3	Unbiased	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
53	0	Correlation	34.877	34.877	0
54	0	Correlation	34.877	34.877	0
55	0	Correlation	34.877	34.877	0
56	0	Correlation	34.877	34.877	0

Test Statistics (µSec)

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

Device Test: 25.15; WDI_HT





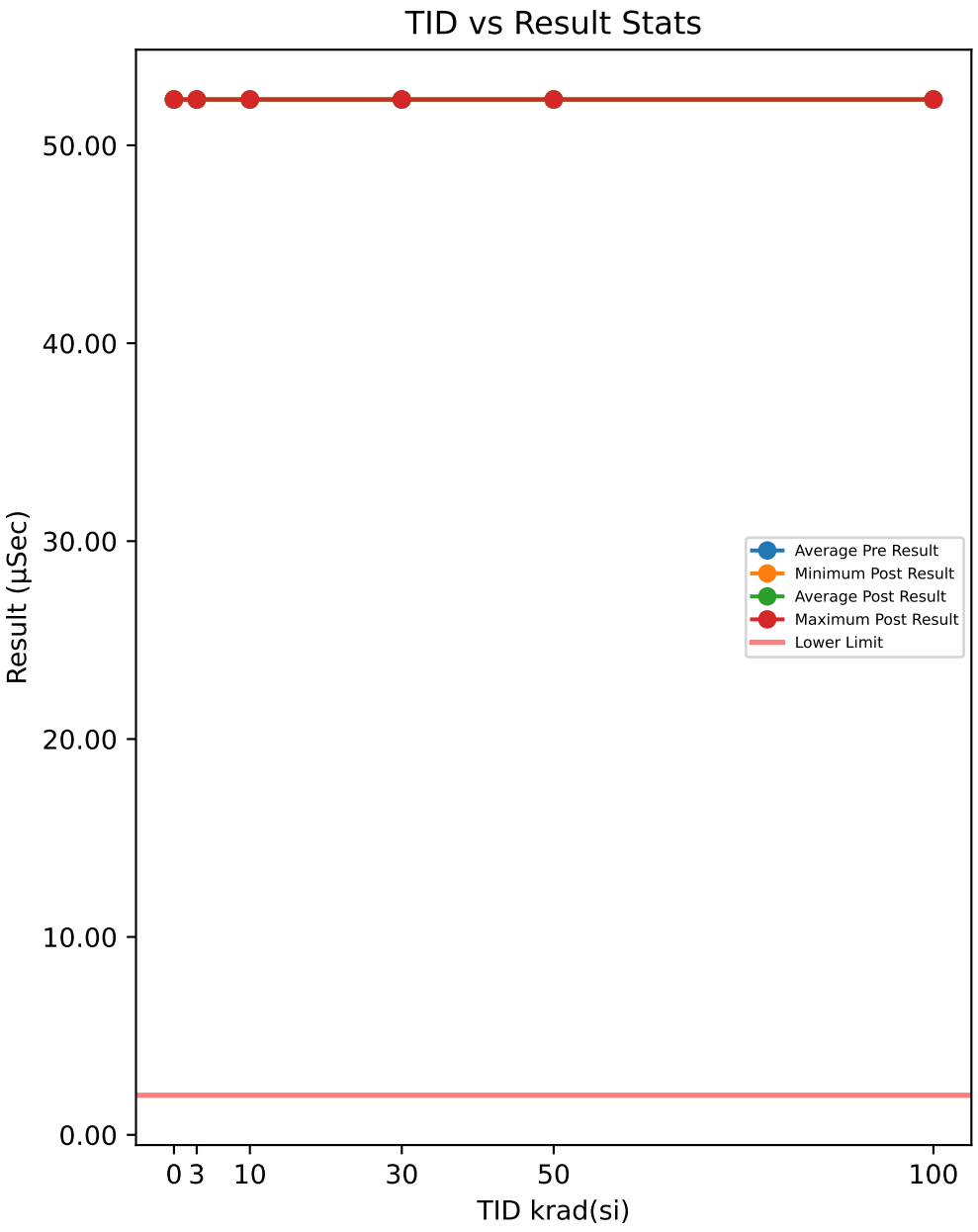
Test Results (Lower Limit = 2.0 (µSec))

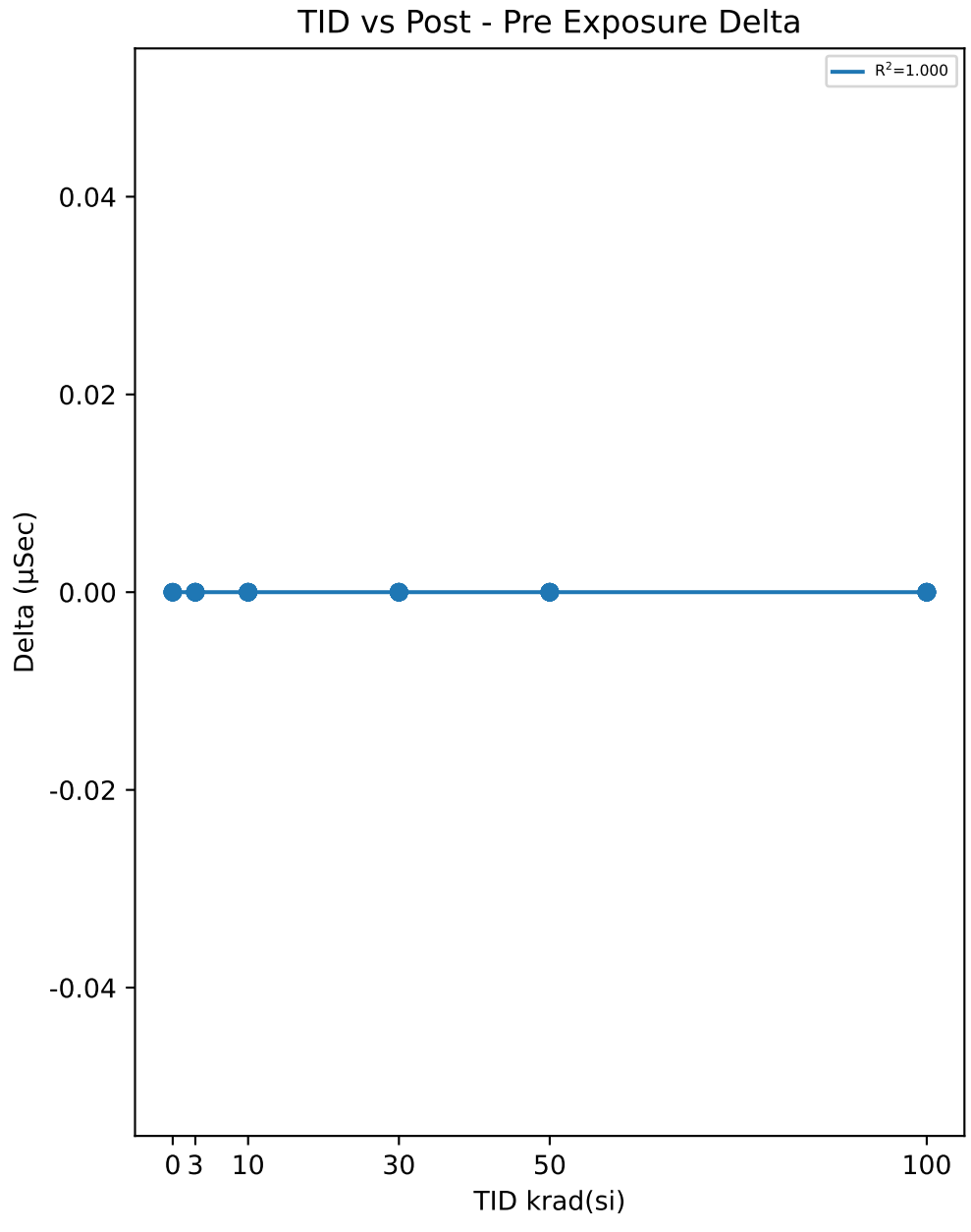
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	52.316	52.316	0
2	3	Biased	52.316	52.316	0
3	3	Biased	52.316	52.316	0
4	3	Biased	52.316	52.316	0
5	3	Biased	52.316	52.316	0
6	3	Unbiased	52.316	52.316	0
7	3	Unbiased	52.316	52.316	0
8	3	Unbiased	52.316	52.316	0
9	3	Unbiased	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
53	0	Correlation	52.316	52.316	0
54	0	Correlation	52.316	52.316	0
55	0	Correlation	52.316	52.316	0
56	0	Correlation	52.316	52.316	0

Test Statistics (µSec)

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

Device Test: 25.16; WDI_HT





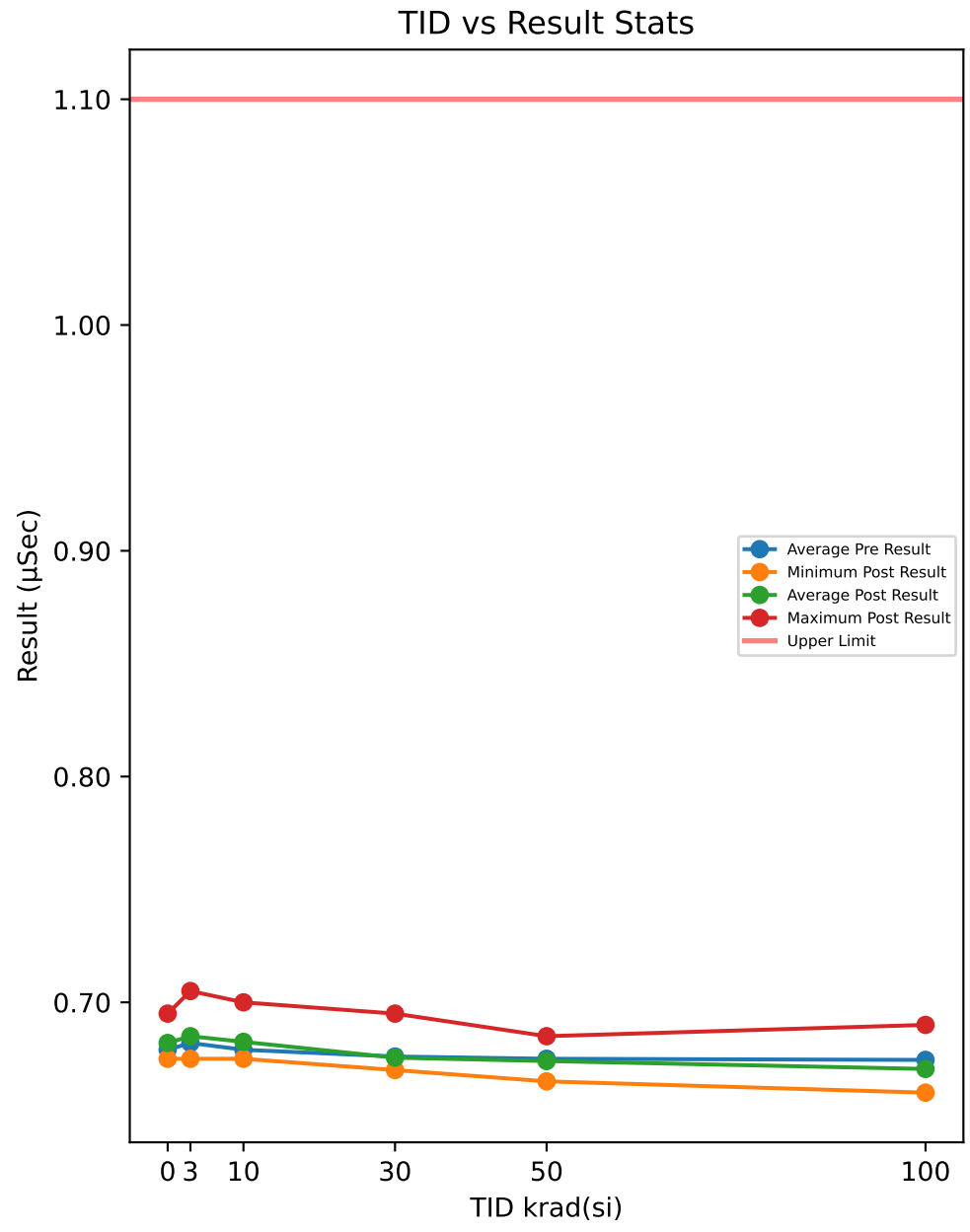
Test Results (Lower Limit = 2.0 (µSec))

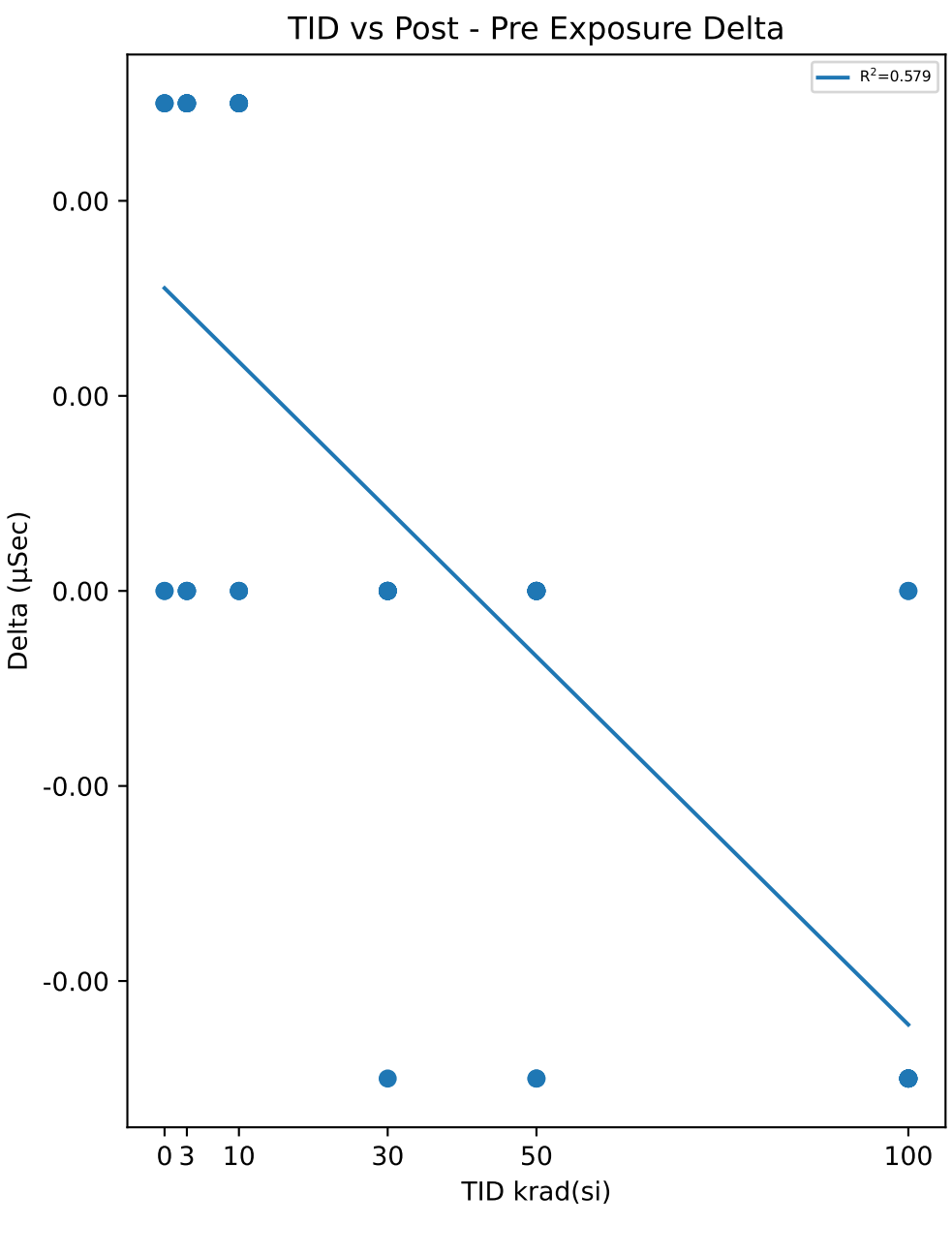
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	52.316	52.316	0
2	3	Biased	52.316	52.316	0
3	3	Biased	52.316	52.316	0
4	3	Biased	52.316	52.316	0
5	3	Biased	52.316	52.316	0
6	3	Unbiased	52.316	52.316	0
7	3	Unbiased	52.316	52.316	0
8	3	Unbiased	52.316	52.316	0
9	3	Unbiased	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
53	0	Correlation	52.316	52.316	0
54	0	Correlation	52.316	52.316	0
55	0	Correlation	52.316	52.316	0
56	0	Correlation	52.316	52.316	0

Test Statistics (µSec)

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

Device Test: 25.2; SR_UVLO_HT





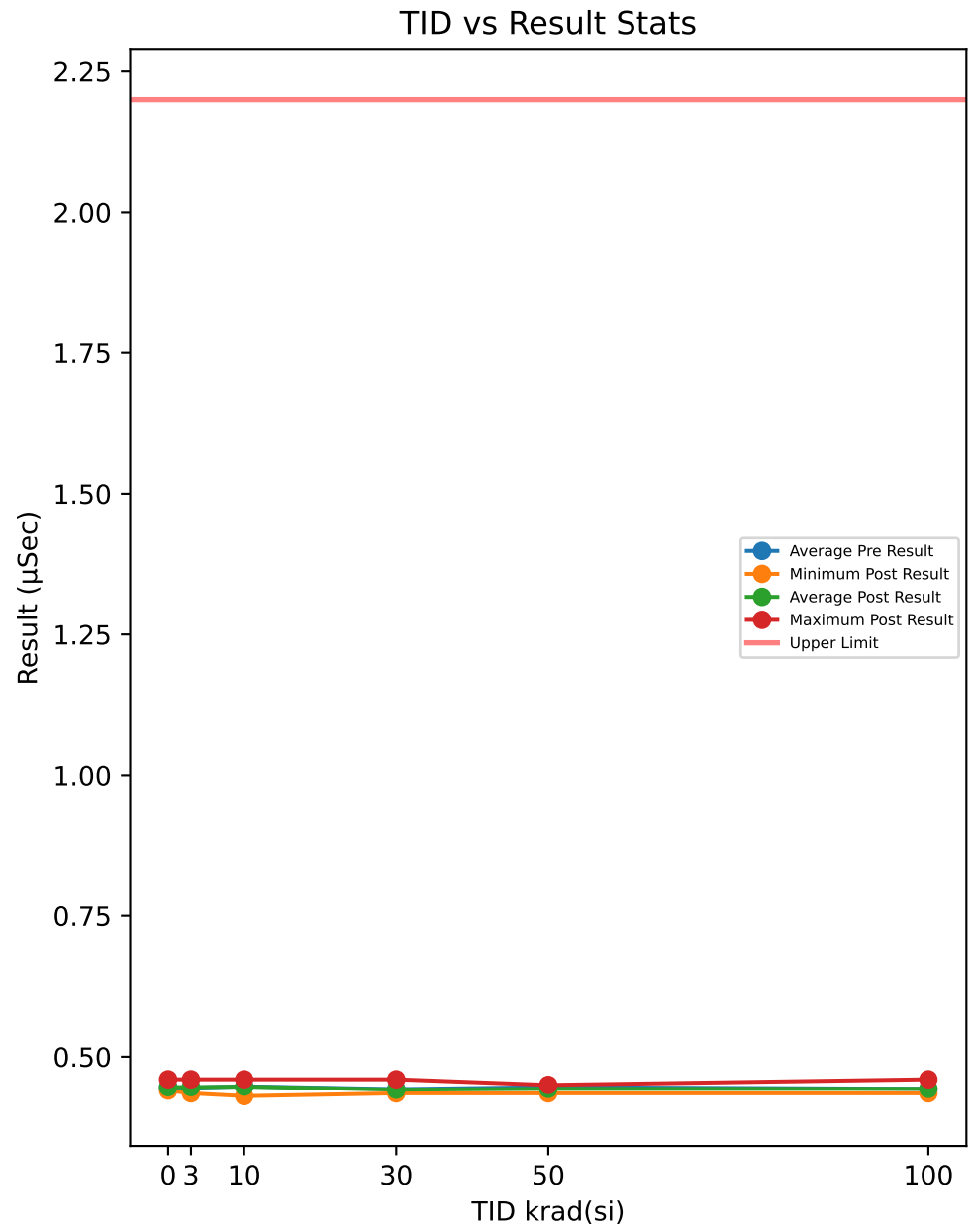
Test Results (Upper Limit = 1.1 (µSec))

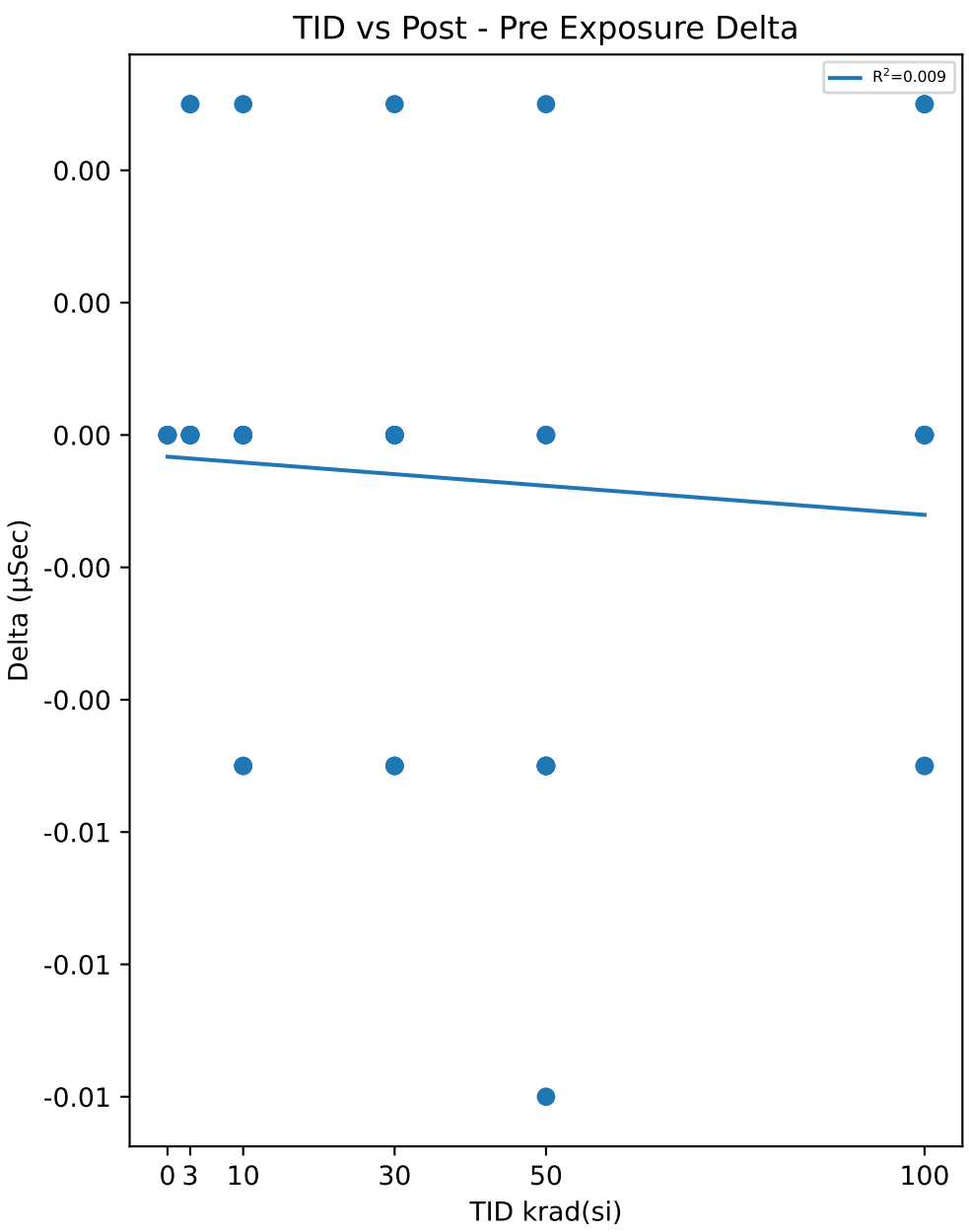
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7	0.705	0.005
2	3	Biased	0.695	0.7	0.005
3	3	Biased	0.685	0.69	0.005
4	3	Biased	0.67	0.675	0.005
5	3	Biased	0.68	0.68	0
6	3	Unbiased	0.675	0.675	0
7	3	Unbiased	0.685	0.685	0
8	3	Unbiased	0.685	0.685	0
9	3	Unbiased	0.675	0.68	0.005
10	3	Unbiased	0.67	0.675	0.005
11	10	Biased	0.67	0.675	0.005
12	10	Biased	0.68	0.685	0.005
13	10	Biased	0.675	0.675	0
14	10	Biased	0.67	0.675	0.005
15	10	Biased	0.685	0.685	0
16	10	Unbiased	0.675	0.68	0.005
17	10	Unbiased	0.695	0.7	0.005
18	10	Unbiased	0.68	0.685	0.005
19	10	Unbiased	0.675	0.68	0.005
20	10	Unbiased	0.685	0.685	0
21	30	Biased	0.675	0.675	0
22	30	Biased	0.675	0.67	-0.005
23	30	Biased	0.695	0.695	0
24	30	Biased	0.67	0.67	0
25	30	Biased	0.675	0.675	0
26	30	Unbiased	0.675	0.675	0
27	30	Unbiased	0.675	0.675	0
28	30	Unbiased	0.675	0.675	0
29	30	Unbiased	0.675	0.675	0
30	30	Unbiased	0.67	0.67	0
31	50	Biased	0.67	0.67	0
32	50	Biased	0.67	0.67	0
33	50	Biased	0.67	0.67	0
34	50	Biased	0.675	0.675	0
35	50	Biased	0.685	0.68	-0.005
36	50	Unbiased	0.675	0.675	0
37	50	Unbiased	0.675	0.675	0
38	50	Unbiased	0.685	0.685	0
39	50	Unbiased	0.675	0.675	0
40	50	Unbiased	0.67	0.665	-0.005
41	100	Biased	0.695	0.69	-0.005
42	100	Biased	0.68	0.675	-0.005
43	100	Biased	0.675	0.67	-0.005
44	100	Biased	0.67	0.67	0
45	100	Biased	0.67	0.665	-0.005
46	100	Unbiased	0.675	0.67	-0.005
47	100	Unbiased	0.675	0.67	-0.005
48	100	Unbiased	0.67	0.665	-0.005
49	100	Unbiased	0.67	0.67	0
50	100	Unbiased	0.665	0.66	-0.005
51	0	Correlation	0.675	0.68	0.005
53	0	Correlation	0.695	0.695	0
54	0	Correlation	0.67	0.675	0.005
55	0	Correlation	0.68	0.685	0.005
56	0	Correlation	0.675	0.675	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	0.67	0.679	0.695	0.0096177	0.675	0.682	0.695	0.0083666	0	0.003	0.005	0.0027386
3	0.67	0.682	0.7	0.010055	0.675	0.685	0.705	0.010541	0	0.003	0.005	0.002582
10	0.67	0.679	0.695	0.007746	0.675	0.6825	0.7	0.0075462	0	0.0035	0.005	0.0024152
30	0.67	0.676	0.695	0.0069921	0.67	0.6755	0.695	0.0072457	-0.005	-0.0005	0	0.0015811
50	0.67	0.675	0.685	0.0057735	0.665	0.674	0.685	0.0056765	-0.005	-0.001	0	0.0021082
100	0.665	0.6745	0.695	0.0083166	0.66	0.6705	0.69	0.0079757	-0.005	-0.004	0	0.0021082

Device Test: 25.3; SENSE_F_HT_PP





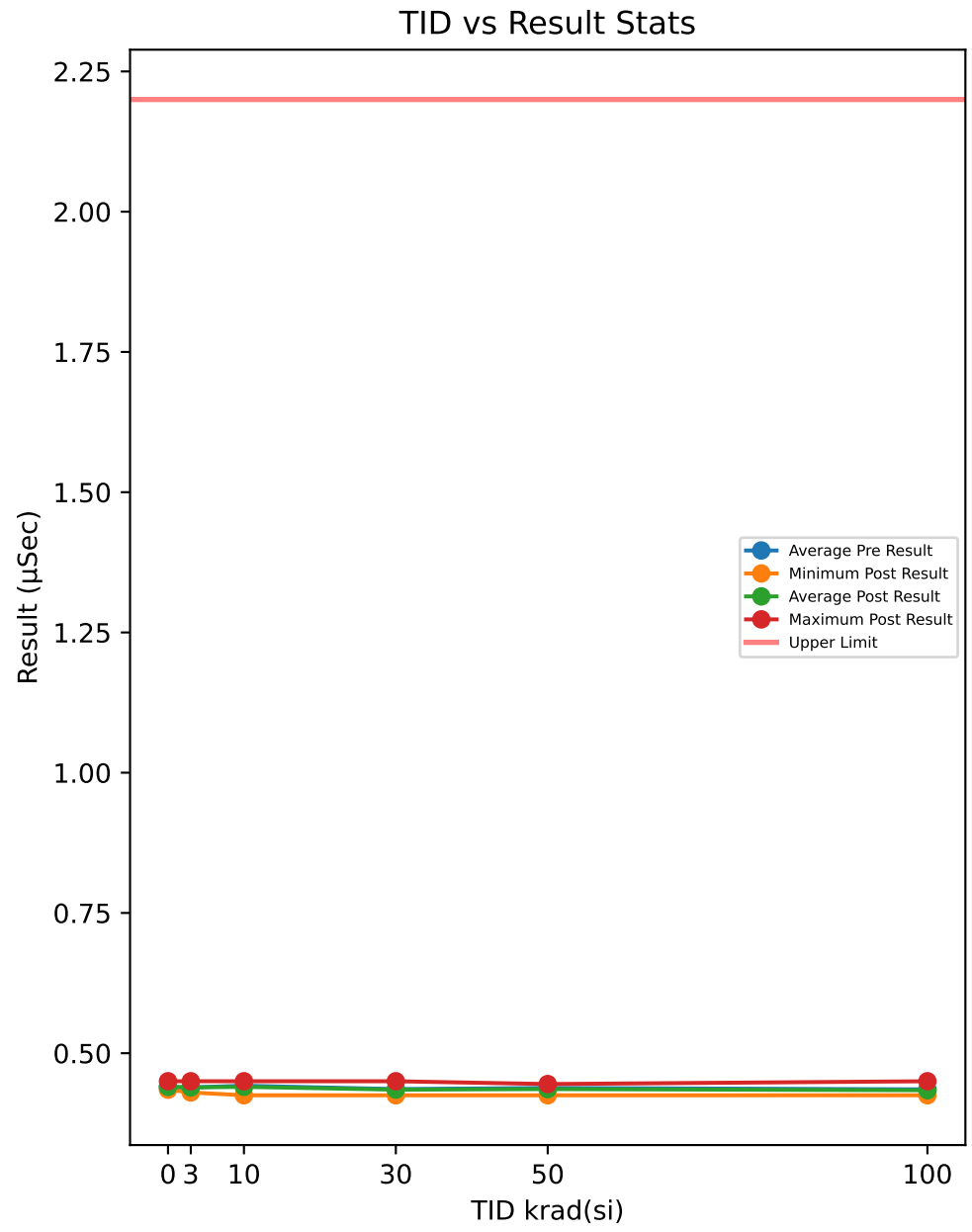
Test Results (Upper Limit = 2.2 (µSec))

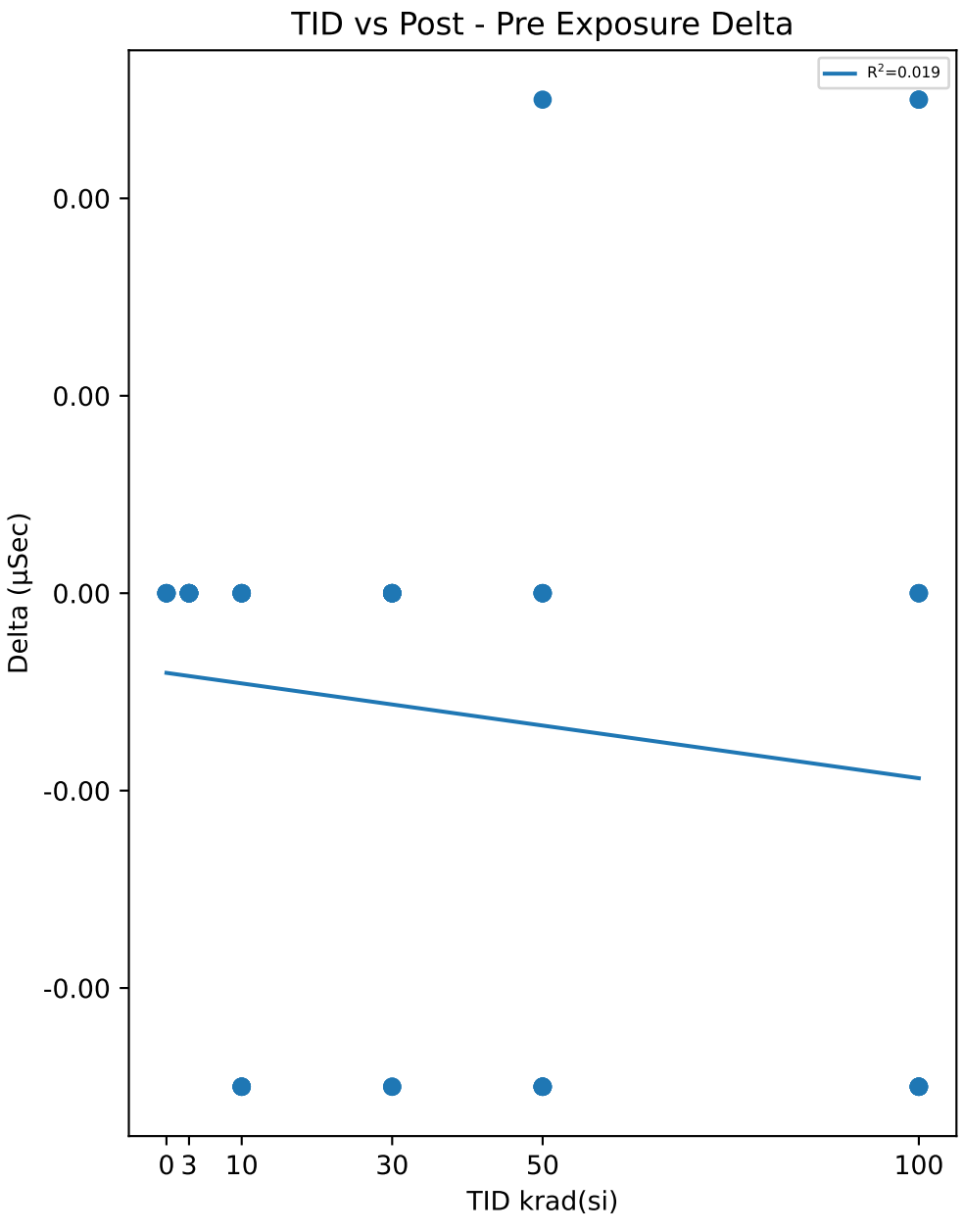
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.455	0.46	0.005
2	3	Biased	0.45	0.455	0.005
3	3	Biased	0.455	0.455	0
4	3	Biased	0.445	0.445	0
5	3	Biased	0.445	0.445	0
6	3	Unbiased	0.435	0.435	0
7	3	Unbiased	0.44	0.44	0
8	3	Unbiased	0.44	0.44	0
9	3	Unbiased	0.445	0.445	0
10	3	Unbiased	0.44	0.44	0
11	10	Biased	0.43	0.43	0
12	10	Biased	0.455	0.46	0.005
13	10	Biased	0.44	0.44	0
14	10	Biased	0.44	0.44	0
15	10	Biased	0.45	0.45	0
16	10	Unbiased	0.45	0.45	0
17	10	Unbiased	0.46	0.455	-0.005
18	10	Unbiased	0.46	0.455	-0.005
19	10	Unbiased	0.44	0.44	0
20	10	Unbiased	0.45	0.45	0
21	30	Biased	0.43	0.435	0.005
22	30	Biased	0.44	0.44	0
23	30	Biased	0.46	0.46	0
24	30	Biased	0.445	0.44	-0.005
25	30	Biased	0.435	0.435	0
26	30	Unbiased	0.455	0.45	-0.005
27	30	Unbiased	0.44	0.435	-0.005
28	30	Unbiased	0.445	0.445	0
29	30	Unbiased	0.435	0.435	0
30	30	Unbiased	0.44	0.44	0
31	50	Biased	0.44	0.435	-0.005
32	50	Biased	0.435	0.44	0.005
33	50	Biased	0.435	0.435	0
34	50	Biased	0.455	0.45	-0.005
35	50	Biased	0.445	0.445	0
36	50	Unbiased	0.46	0.45	-0.01
37	50	Unbiased	0.45	0.445	-0.005
38	50	Unbiased	0.44	0.44	0
39	50	Unbiased	0.45	0.445	-0.005
40	50	Unbiased	0.45	0.445	-0.005
41	100	Biased	0.46	0.46	0
42	100	Biased	0.44	0.44	0
43	100	Biased	0.44	0.44	0
44	100	Biased	0.445	0.45	0.005
45	100	Biased	0.44	0.44	0
46	100	Unbiased	0.435	0.435	0
47	100	Unbiased	0.45	0.445	-0.005
48	100	Unbiased	0.44	0.44	0
49	100	Unbiased	0.445	0.44	-0.005
50	100	Unbiased	0.435	0.44	0.005
51	0	Correlation	0.44	0.44	0
53	0	Correlation	0.45	0.45	0
54	0	Correlation	0.44	0.44	0
55	0	Correlation	0.46	0.46	0
56	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	0.44	0.446	0.46	0.0089443	0.44	0.446	0.46	0.0089443	0	0	0	0
3	0.435	0.445	0.455	0.0066667	0.435	0.446	0.46	0.0080966	0	0.001	0.005	0.0021082
10	0.43	0.4475	0.46	0.0097895	0.43	0.447	0.46	0.0091894	-0.005	-0.0005	0.005	0.0028382
30	0.43	0.4425	0.46	0.0092045	0.435	0.4415	0.46	0.008182	-0.005	-0.001	0.005	0.0031623
50	0.435	0.446	0.46	0.0084327	0.435	0.443	0.45	0.0053748	-0.01	-0.003	0.005	0.0042164
100	0.435	0.443	0.46	0.0075277	0.435	0.443	0.46	0.0071492	-0.005	0	0.005	0.0033333

Device Test: 25.4; SENSE_F_HT_PP





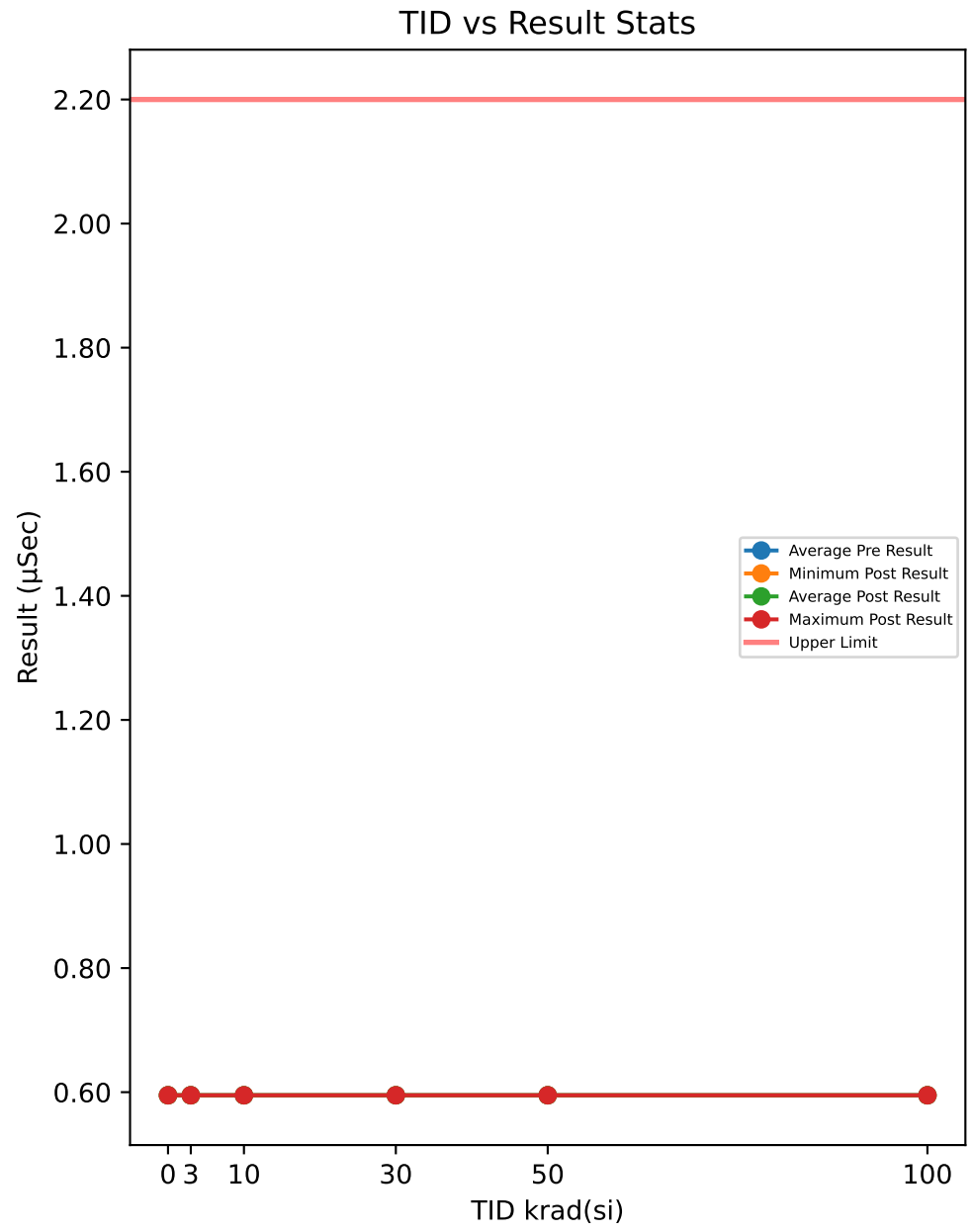
Test Results (Upper Limit = 2.2 (µSec))

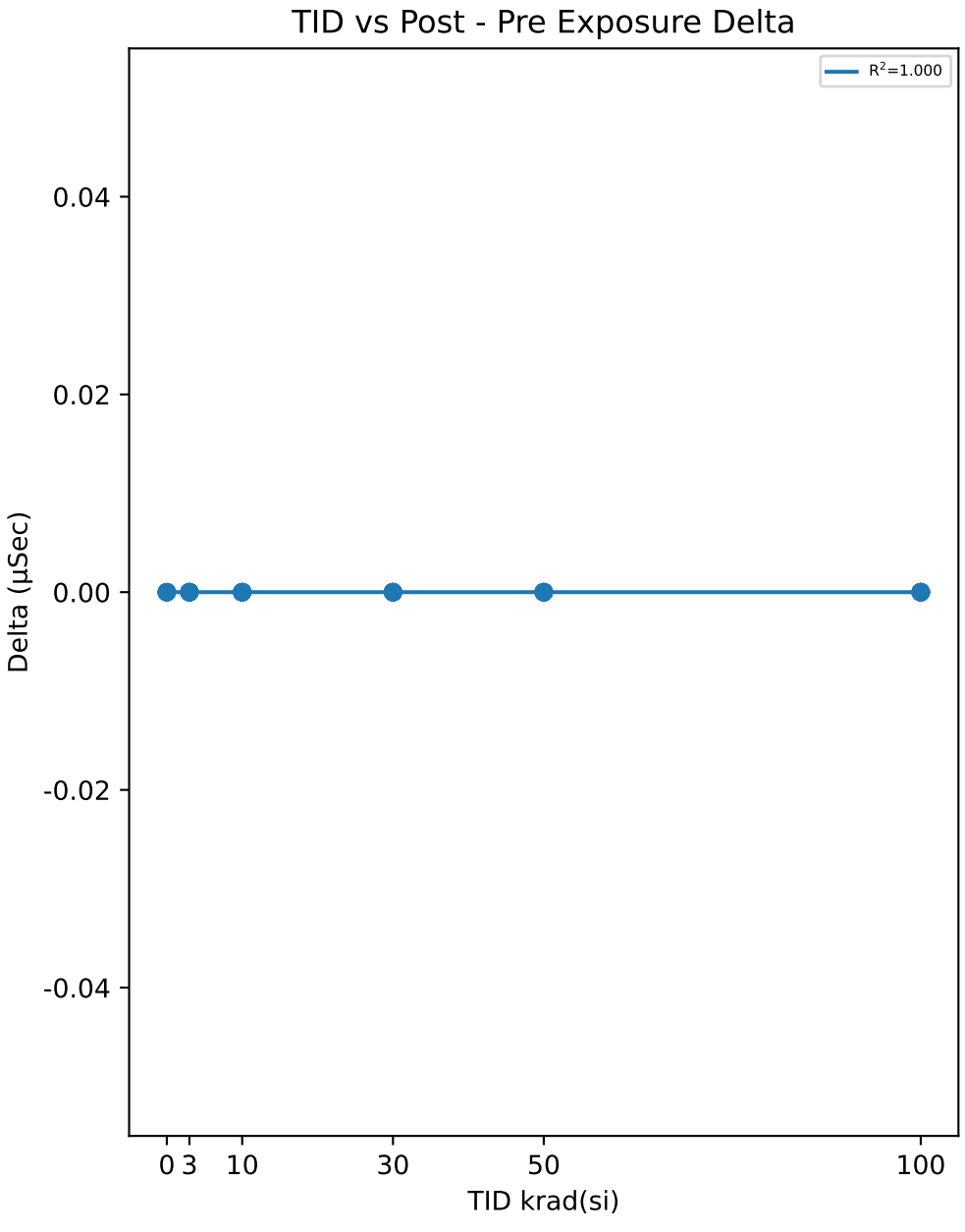
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.45	0.45	0
2	3	Biased	0.445	0.445	0
3	3	Biased	0.445	0.445	0
4	3	Biased	0.44	0.44	0
5	3	Biased	0.435	0.435	0
6	3	Unbiased	0.43	0.43	0
7	3	Unbiased	0.435	0.435	0
8	3	Unbiased	0.435	0.435	0
9	3	Unbiased	0.44	0.44	0
10	3	Unbiased	0.435	0.435	0
11	10	Biased	0.425	0.425	0
12	10	Biased	0.45	0.45	0
13	10	Biased	0.435	0.43	-0.005
14	10	Biased	0.435	0.43	-0.005
15	10	Biased	0.445	0.445	0
16	10	Unbiased	0.445	0.445	0
17	10	Unbiased	0.45	0.45	0
18	10	Unbiased	0.455	0.45	-0.005
19	10	Unbiased	0.435	0.435	0
20	10	Unbiased	0.445	0.44	-0.005
21	30	Biased	0.425	0.425	0
22	30	Biased	0.435	0.435	0
23	30	Biased	0.455	0.45	-0.005
24	30	Biased	0.435	0.435	0
25	30	Biased	0.43	0.43	0
26	30	Unbiased	0.445	0.445	0
27	30	Unbiased	0.43	0.43	0
28	30	Unbiased	0.44	0.44	0
29	30	Unbiased	0.43	0.425	-0.005
30	30	Unbiased	0.435	0.435	0
31	50	Biased	0.43	0.43	0
32	50	Biased	0.43	0.43	0
33	50	Biased	0.43	0.425	-0.005
34	50	Biased	0.445	0.445	0
35	50	Biased	0.435	0.44	0.005
36	50	Unbiased	0.45	0.445	-0.005
37	50	Unbiased	0.44	0.44	0
38	50	Unbiased	0.435	0.43	-0.005
39	50	Unbiased	0.445	0.44	-0.005
40	50	Unbiased	0.44	0.435	-0.005
41	100	Biased	0.455	0.45	-0.005
42	100	Biased	0.435	0.43	-0.005
43	100	Biased	0.43	0.435	0.005
44	100	Biased	0.435	0.44	0.005
45	100	Biased	0.435	0.43	-0.005
46	100	Unbiased	0.43	0.425	-0.005
47	100	Unbiased	0.44	0.44	0
48	100	Unbiased	0.43	0.43	0
49	100	Unbiased	0.435	0.43	-0.005
50	100	Unbiased	0.43	0.43	0
51	0	Correlation	0.435	0.435	0
53	0	Correlation	0.445	0.445	0
54	0	Correlation	0.435	0.435	0
55	0	Correlation	0.45	0.45	0
56	0	Correlation	0.435	0.435	0

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.435	0.44	0.45	0.0070711	0.435	0.44	0.45	0.0070711	0	0	0	0
3	0.43	0.439	0.45	0.0061464	0.43	0.439	0.45	0.0061464	0	0	0	0
10	0.425	0.442	0.455	0.0091894	0.425	0.44	0.45	0.0094281	-0.005	-0.002	0	0.002582
30	0.425	0.436	0.455	0.008756	0.425	0.435	0.45	0.008165	-0.005	-0.001	0	0.0021082
50	0.43	0.438	0.45	0.0071492	0.425	0.436	0.445	0.0069921	-0.005	-0.002	0.005	0.003496
100	0.43	0.4355	0.455	0.0076194	0.425	0.434	0.45	0.0073786	-0.005	-0.0015	0.005	0.0041164

Device Test: 25.5; SENSE_F_HT_PP





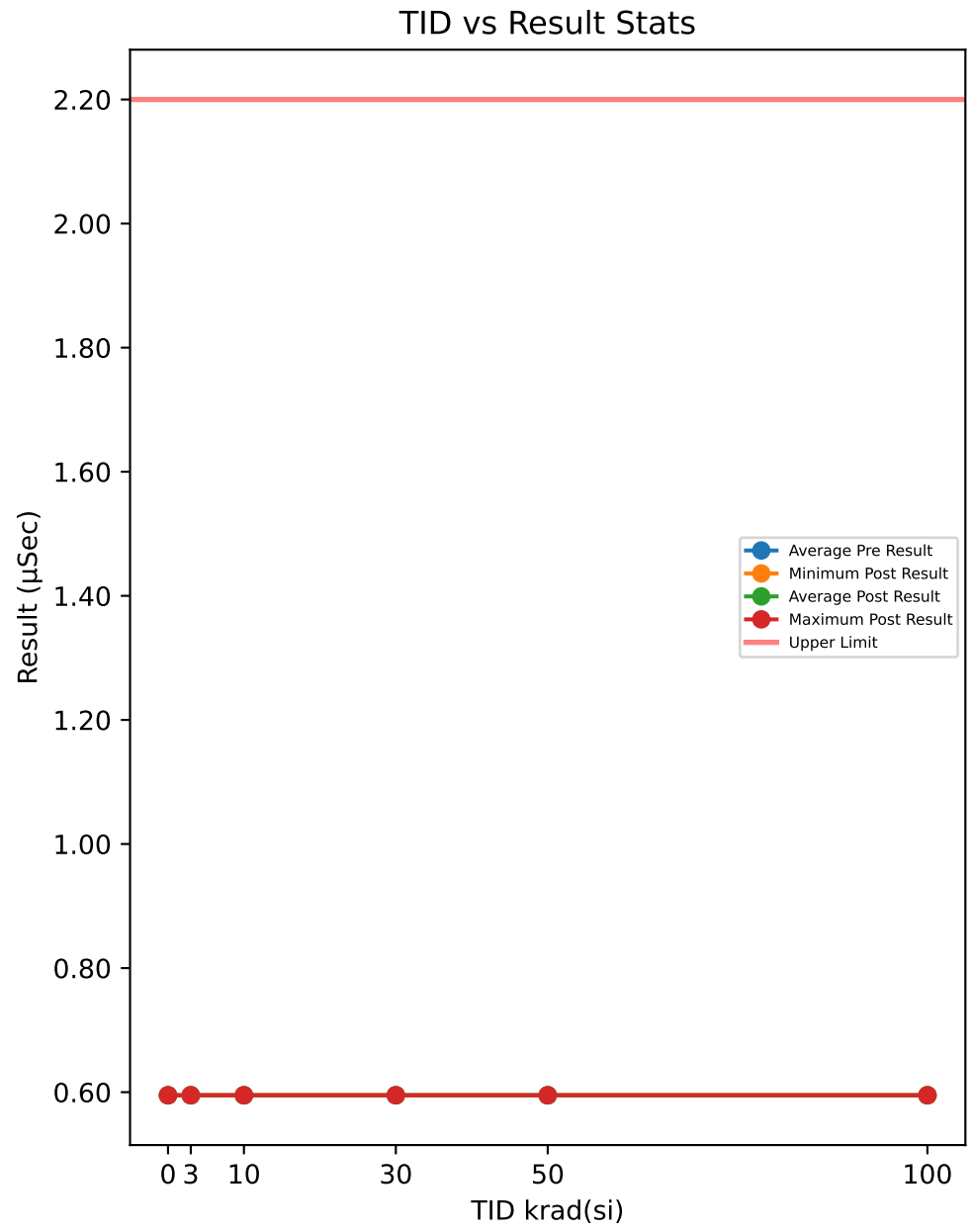
Test Results (Upper Limit = 2.2 (µSec))

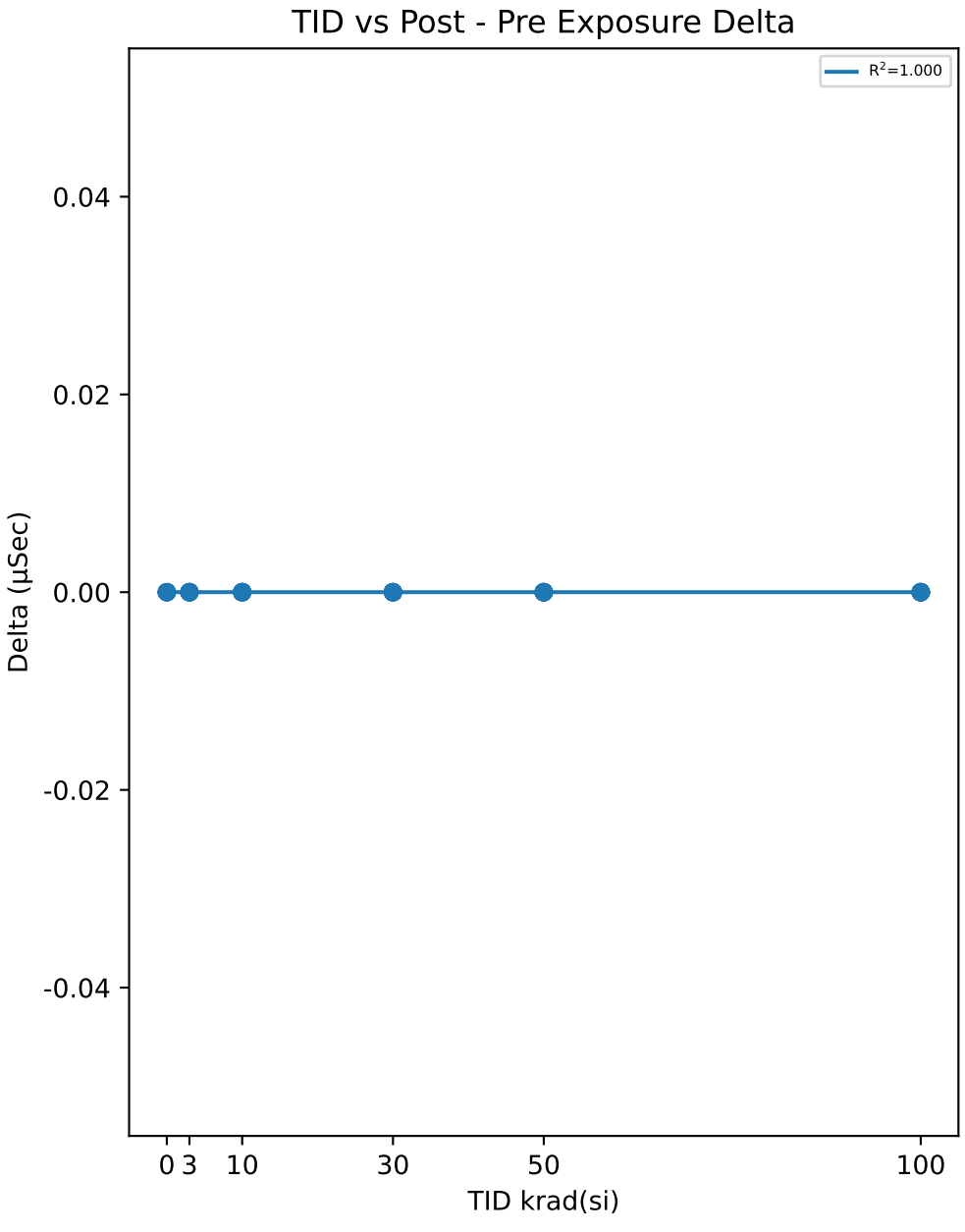
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.595	0.595	0
2	3	Biased	0.595	0.595	0
3	3	Biased	0.595	0.595	0
4	3	Biased	0.595	0.595	0
5	3	Biased	0.595	0.595	0
6	3	Unbiased	0.595	0.595	0
7	3	Unbiased	0.595	0.595	0
8	3	Unbiased	0.595	0.595	0
9	3	Unbiased	0.595	0.595	0
10	3	Unbiased	0.595	0.595	0
11	10	Biased	0.595	0.595	0
12	10	Biased	0.595	0.595	0
13	10	Biased	0.595	0.595	0
14	10	Biased	0.595	0.595	0
15	10	Biased	0.595	0.595	0
16	10	Unbiased	0.595	0.595	0
17	10	Unbiased	0.595	0.595	0
18	10	Unbiased	0.595	0.595	0
19	10	Unbiased	0.595	0.595	0
20	10	Unbiased	0.595	0.595	0
21	30	Biased	0.595	0.595	0
22	30	Biased	0.595	0.595	0
23	30	Biased	0.595	0.595	0
24	30	Biased	0.595	0.595	0
25	30	Biased	0.595	0.595	0
26	30	Unbiased	0.595	0.595	0
27	30	Unbiased	0.595	0.595	0
28	30	Unbiased	0.595	0.595	0
29	30	Unbiased	0.595	0.595	0
30	30	Unbiased	0.595	0.595	0
31	50	Biased	0.595	0.595	0
32	50	Biased	0.595	0.595	0
33	50	Biased	0.595	0.595	0
34	50	Biased	0.595	0.595	0
35	50	Biased	0.595	0.595	0
36	50	Unbiased	0.595	0.595	0
37	50	Unbiased	0.595	0.595	0
38	50	Unbiased	0.595	0.595	0
39	50	Unbiased	0.595	0.595	0
40	50	Unbiased	0.595	0.595	0
41	100	Biased	0.595	0.595	0
42	100	Biased	0.595	0.595	0
43	100	Biased	0.595	0.595	0
44	100	Biased	0.595	0.595	0
45	100	Biased	0.595	0.595	0
46	100	Unbiased	0.595	0.595	0
47	100	Unbiased	0.595	0.595	0
48	100	Unbiased	0.595	0.595	0
49	100	Unbiased	0.595	0.595	0
50	100	Unbiased	0.595	0.595	0
51	0	Correlation	0.595	0.595	0
53	0	Correlation	0.595	0.595	0
54	0	Correlation	0.595	0.595	0
55	0	Correlation	0.595	0.595	0
56	0	Correlation	0.595	0.595	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	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0
3	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0
10	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0
30	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0
50	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0
100	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0

Device Test: 25.6; SENSE_F_HT_PP





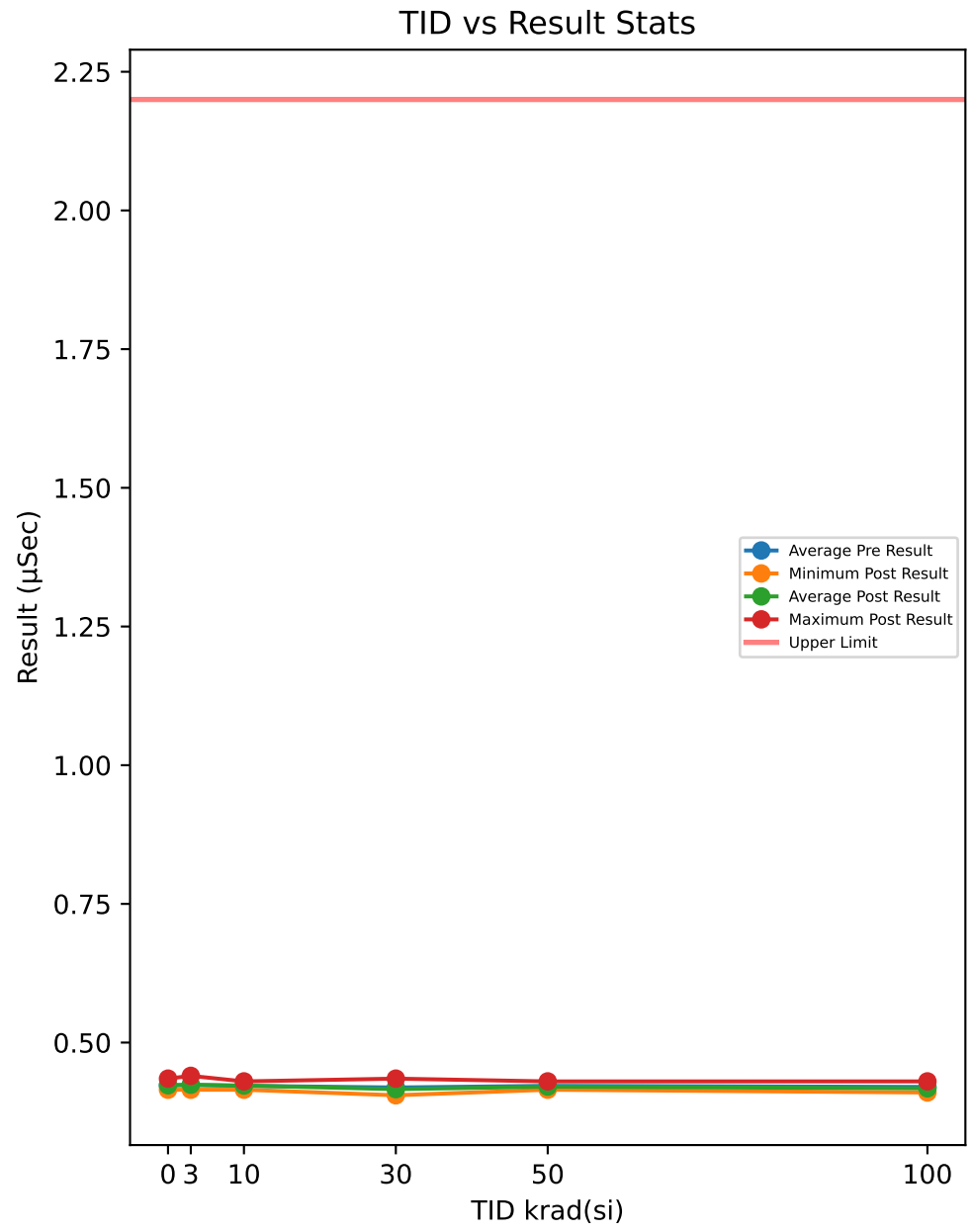
Test Results (Upper Limit = 2.2 (µSec))

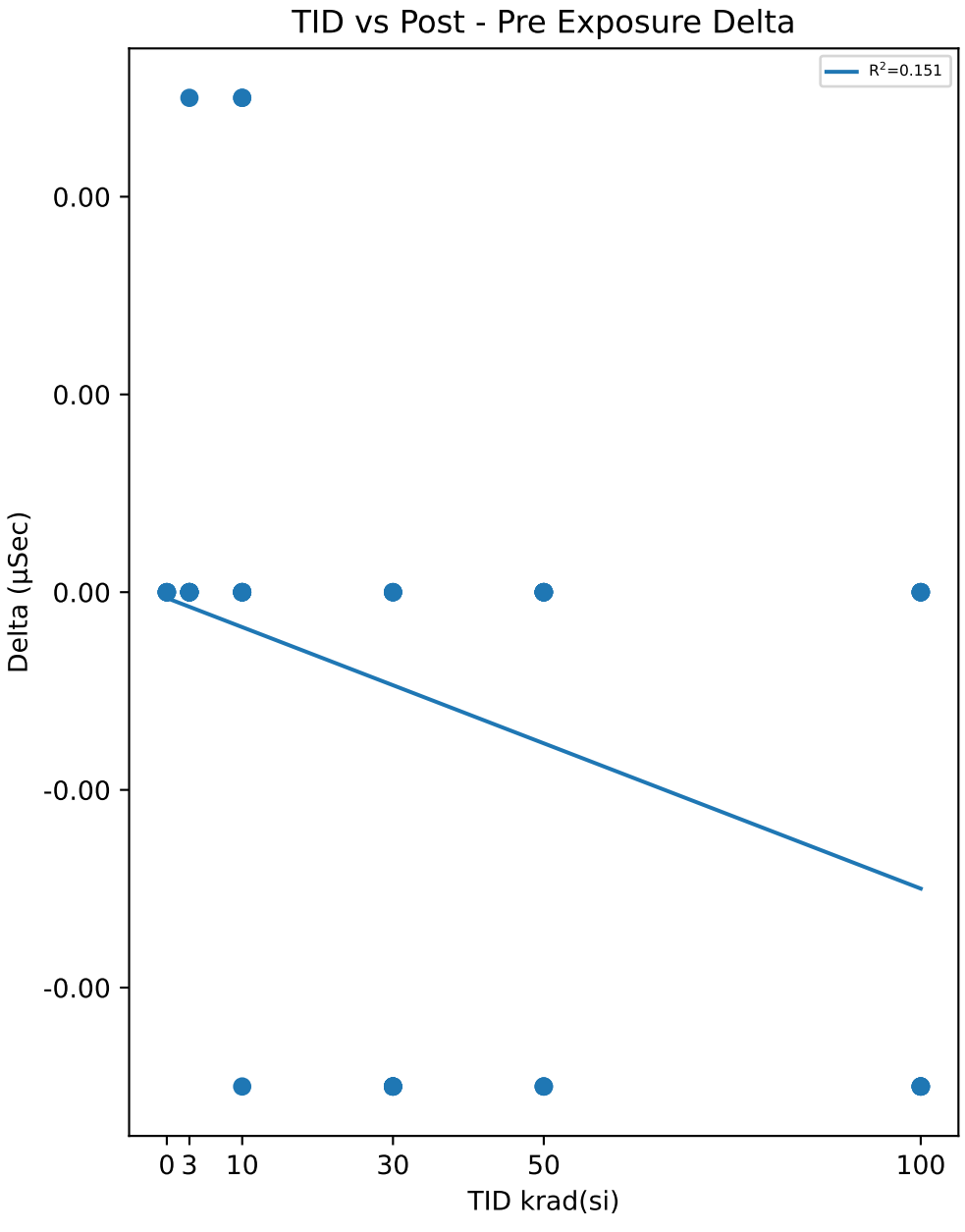
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.595	0.595	0
2	3	Biased	0.595	0.595	0
3	3	Biased	0.595	0.595	0
4	3	Biased	0.595	0.595	0
5	3	Biased	0.595	0.595	0
6	3	Unbiased	0.595	0.595	0
7	3	Unbiased	0.595	0.595	0
8	3	Unbiased	0.595	0.595	0
9	3	Unbiased	0.595	0.595	0
10	3	Unbiased	0.595	0.595	0
11	10	Biased	0.595	0.595	0
12	10	Biased	0.595	0.595	0
13	10	Biased	0.595	0.595	0
14	10	Biased	0.595	0.595	0
15	10	Biased	0.595	0.595	0
16	10	Unbiased	0.595	0.595	0
17	10	Unbiased	0.595	0.595	0
18	10	Unbiased	0.595	0.595	0
19	10	Unbiased	0.595	0.595	0
20	10	Unbiased	0.595	0.595	0
21	30	Biased	0.595	0.595	0
22	30	Biased	0.595	0.595	0
23	30	Biased	0.595	0.595	0
24	30	Biased	0.595	0.595	0
25	30	Biased	0.595	0.595	0
26	30	Unbiased	0.595	0.595	0
27	30	Unbiased	0.595	0.595	0
28	30	Unbiased	0.595	0.595	0
29	30	Unbiased	0.595	0.595	0
30	30	Unbiased	0.595	0.595	0
31	50	Biased	0.595	0.595	0
32	50	Biased	0.595	0.595	0
33	50	Biased	0.595	0.595	0
34	50	Biased	0.595	0.595	0
35	50	Biased	0.595	0.595	0
36	50	Unbiased	0.595	0.595	0
37	50	Unbiased	0.595	0.595	0
38	50	Unbiased	0.595	0.595	0
39	50	Unbiased	0.595	0.595	0
40	50	Unbiased	0.595	0.595	0
41	100	Biased	0.595	0.595	0
42	100	Biased	0.595	0.595	0
43	100	Biased	0.595	0.595	0
44	100	Biased	0.595	0.595	0
45	100	Biased	0.595	0.595	0
46	100	Unbiased	0.595	0.595	0
47	100	Unbiased	0.595	0.595	0
48	100	Unbiased	0.595	0.595	0
49	100	Unbiased	0.595	0.595	0
50	100	Unbiased	0.595	0.595	0
51	0	Correlation	0.595	0.595	0
53	0	Correlation	0.595	0.595	0
54	0	Correlation	0.595	0.595	0
55	0	Correlation	0.595	0.595	0
56	0	Correlation	0.595	0.595	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	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0
3	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0
10	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0
30	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0
50	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0
100	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0

Device Test: 25.7; SENSE_F_HT_PP





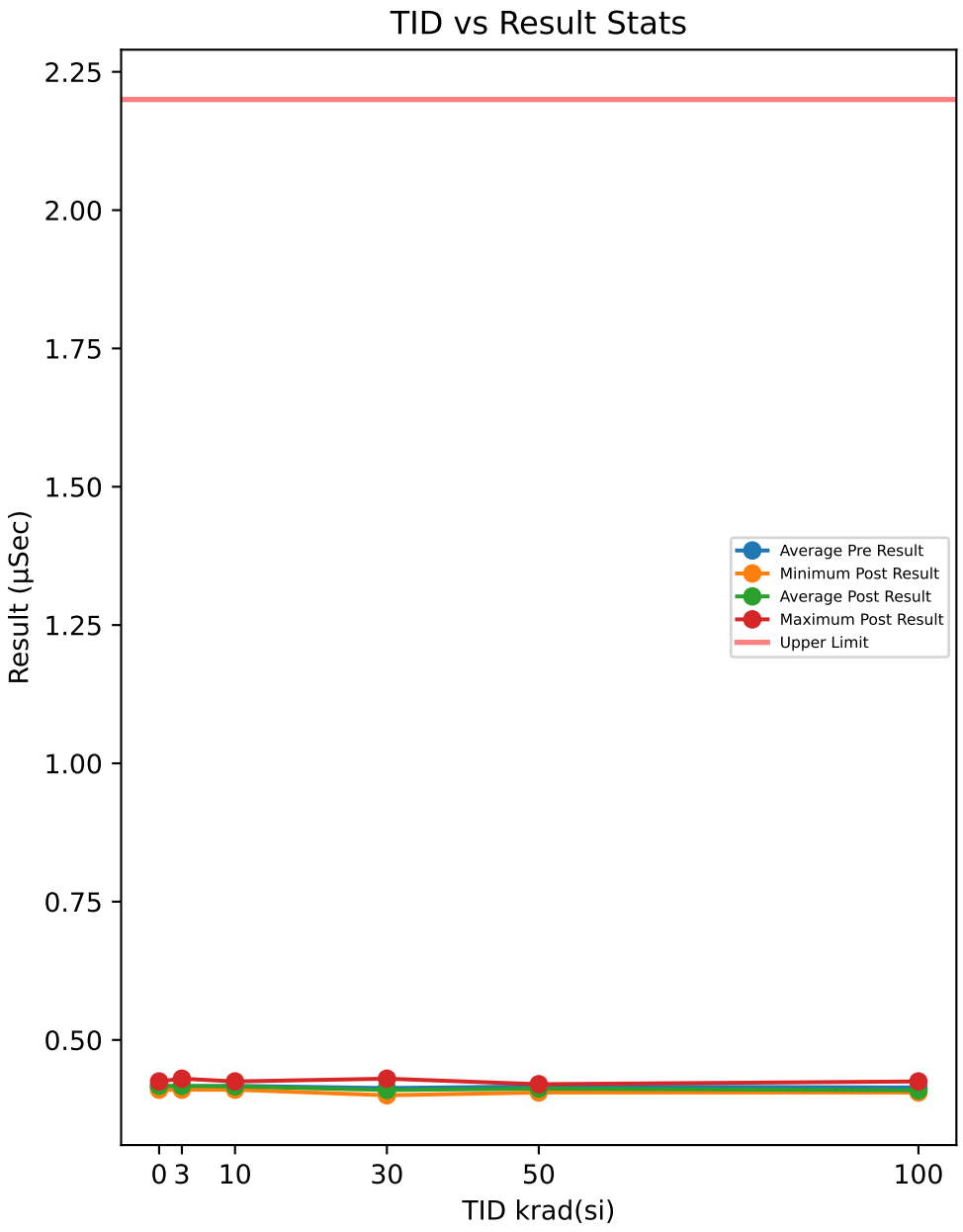
Test Results (Upper Limit = 2.2 (µSec))

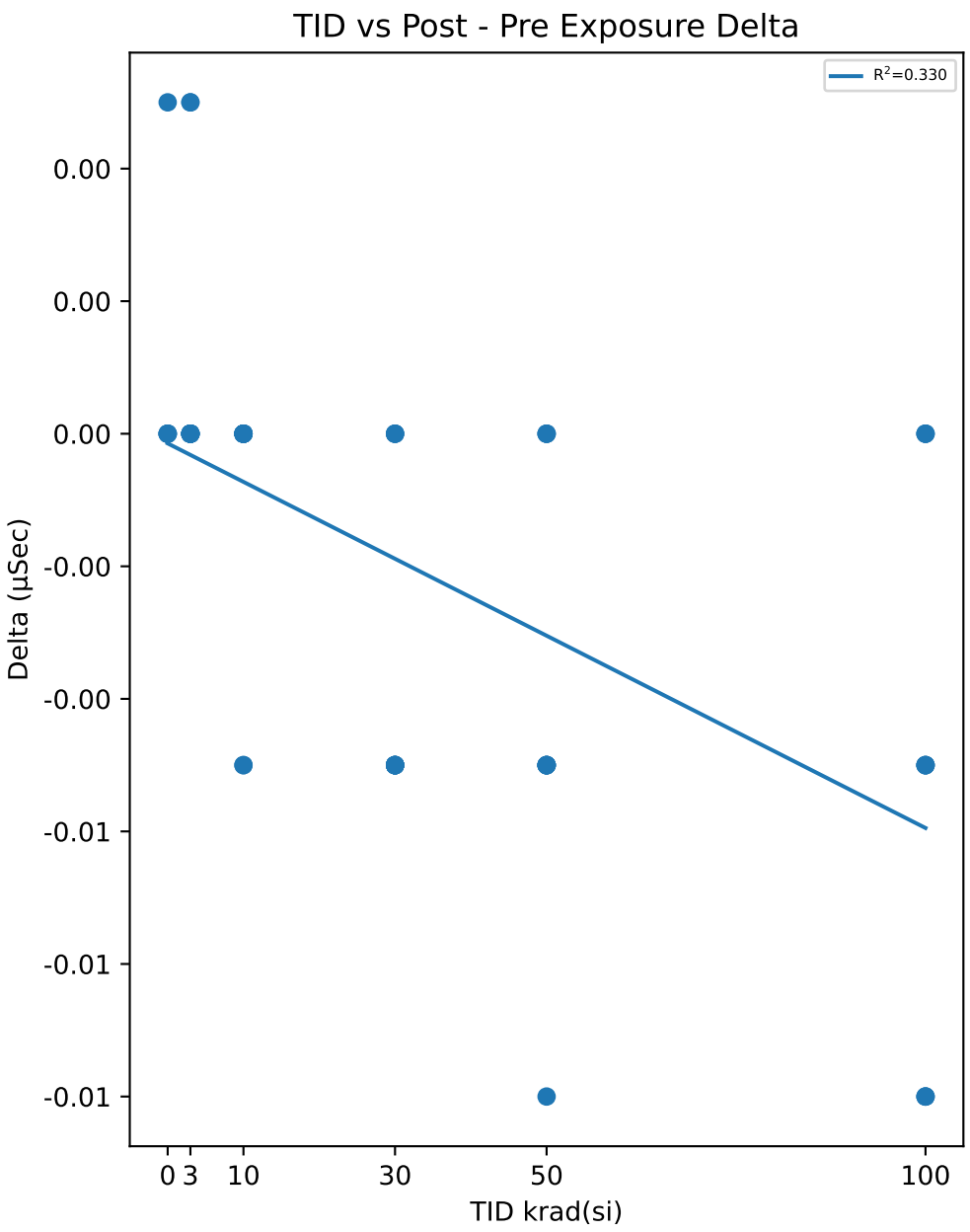
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.435	0.44	0.005
2	3	Biased	0.435	0.435	0
3	3	Biased	0.425	0.425	0
4	3	Biased	0.415	0.415	0
5	3	Biased	0.415	0.415	0
6	3	Unbiased	0.42	0.42	0
7	3	Unbiased	0.415	0.415	0
8	3	Unbiased	0.42	0.42	0
9	3	Unbiased	0.435	0.435	0
10	3	Unbiased	0.42	0.42	0
11	10	Biased	0.42	0.42	0
12	10	Biased	0.425	0.425	0
13	10	Biased	0.415	0.415	0
14	10	Biased	0.42	0.415	-0.005
15	10	Biased	0.425	0.43	0.005
16	10	Unbiased	0.42	0.425	0.005
17	10	Unbiased	0.43	0.43	0
18	10	Unbiased	0.425	0.425	0
19	10	Unbiased	0.42	0.42	0
20	10	Unbiased	0.42	0.42	0
21	30	Biased	0.41	0.41	0
22	30	Biased	0.415	0.415	0
23	30	Biased	0.44	0.435	-0.005
24	30	Biased	0.41	0.405	-0.005
25	30	Biased	0.415	0.415	0
26	30	Unbiased	0.42	0.415	-0.005
27	30	Unbiased	0.42	0.415	-0.005
28	30	Unbiased	0.42	0.42	0
29	30	Unbiased	0.42	0.415	-0.005
30	30	Unbiased	0.42	0.415	-0.005
31	50	Biased	0.415	0.415	0
32	50	Biased	0.415	0.415	0
33	50	Biased	0.42	0.42	0
34	50	Biased	0.43	0.43	0
35	50	Biased	0.42	0.42	0
36	50	Unbiased	0.425	0.42	-0.005
37	50	Unbiased	0.42	0.42	0
38	50	Unbiased	0.425	0.425	0
39	50	Unbiased	0.425	0.42	-0.005
40	50	Unbiased	0.425	0.42	-0.005
41	100	Biased	0.435	0.43	-0.005
42	100	Biased	0.42	0.415	-0.005
43	100	Biased	0.42	0.42	0
44	100	Biased	0.42	0.42	0
45	100	Biased	0.415	0.415	0
46	100	Unbiased	0.42	0.415	-0.005
47	100	Unbiased	0.42	0.415	-0.005
48	100	Unbiased	0.415	0.415	0
49	100	Unbiased	0.425	0.42	-0.005
50	100	Unbiased	0.41	0.41	0
51	0	Correlation	0.42	0.42	0
53	0	Correlation	0.435	0.435	0
54	0	Correlation	0.42	0.42	0
55	0	Correlation	0.425	0.425	0
56	0	Correlation	0.415	0.415	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	0.415	0.423	0.435	0.0075829	0.415	0.423	0.435	0.0075829	0	0	0	0
3	0.415	0.4235	0.435	0.0085147	0.415	0.424	0.44	0.009369	0	0.0005	0.005	0.0015811
10	0.415	0.422	0.43	0.0042164	0.415	0.4225	0.43	0.0054006	-0.005	0.0005	0.005	0.0028382
30	0.41	0.419	0.44	0.0084327	0.405	0.416	0.435	0.007746	-0.005	-0.003	0	0.002582
50	0.415	0.422	0.43	0.0048305	0.415	0.4205	0.43	0.004378	-0.005	-0.0015	0	0.0024152
100	0.41	0.42	0.435	0.0066667	0.41	0.4175	0.43	0.0054006	-0.005	-0.0025	0	0.0026352

Device Test: 25.8; SENSE_F_HT_PP





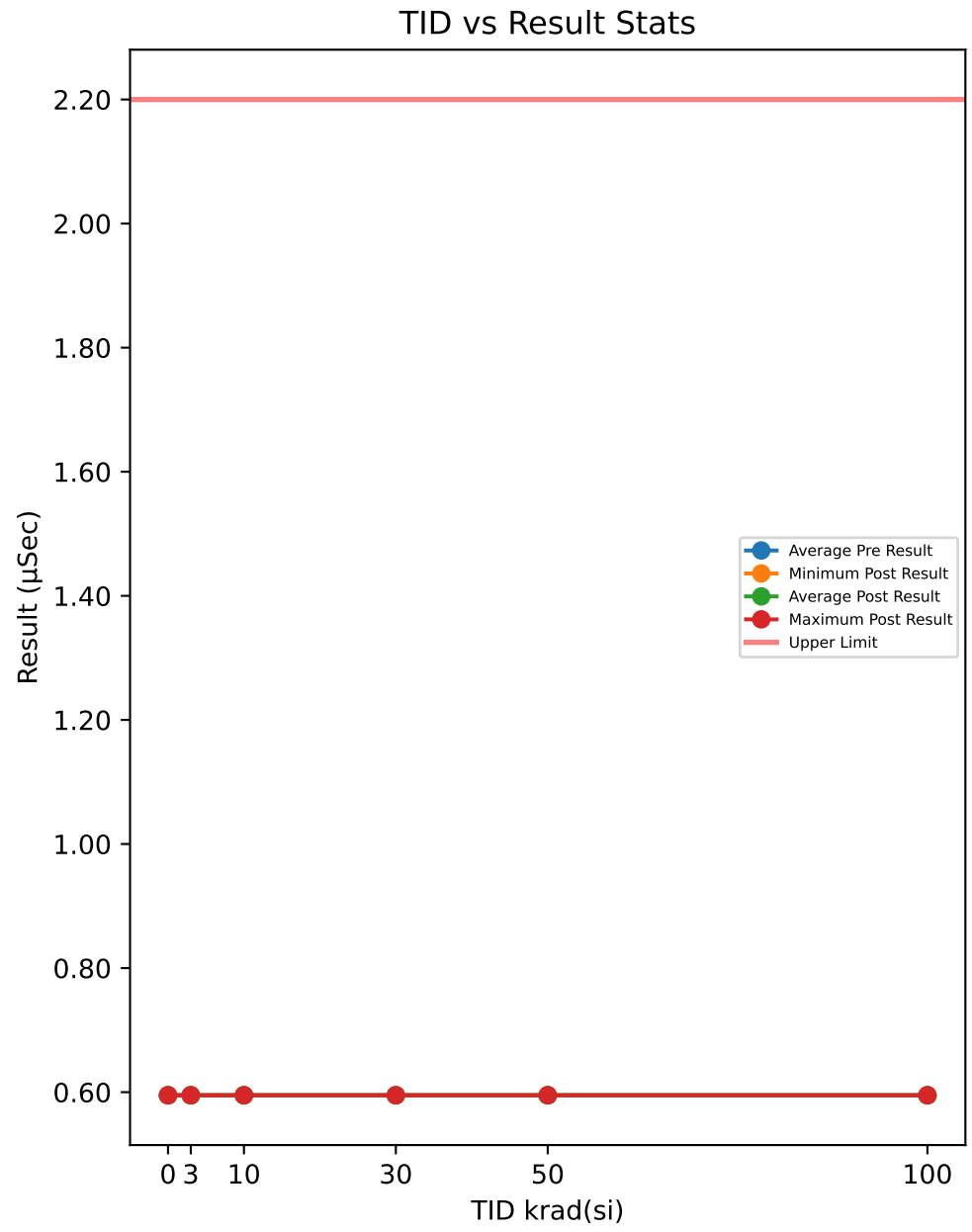
Test Results (Upper Limit = 2.2 (µSec))

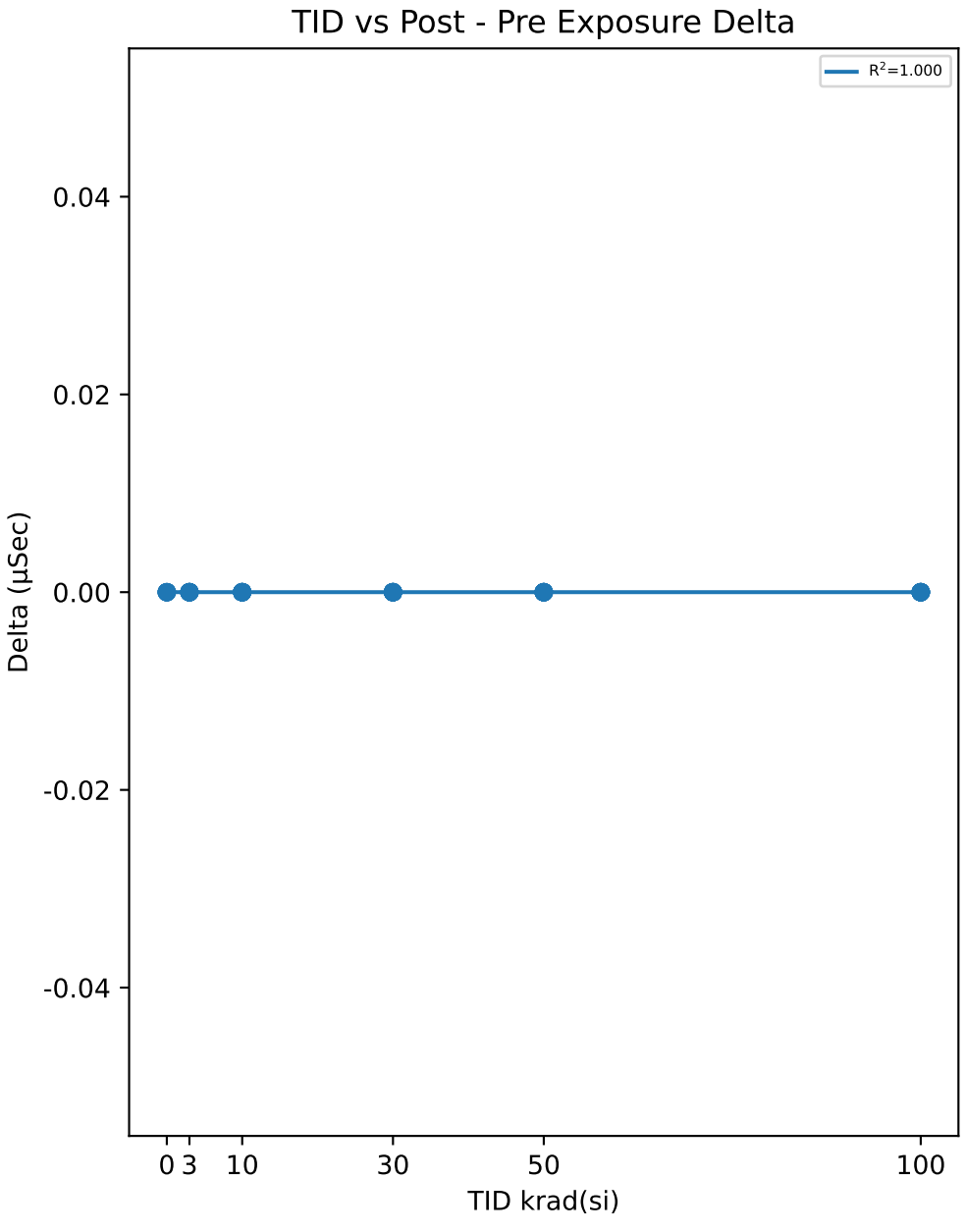
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.43	0.43	0
2	3	Biased	0.43	0.43	0
3	3	Biased	0.415	0.415	0
4	3	Biased	0.41	0.41	0
5	3	Biased	0.405	0.41	0.005
6	3	Unbiased	0.41	0.415	0.005
7	3	Unbiased	0.41	0.41	0
8	3	Unbiased	0.415	0.415	0
9	3	Unbiased	0.425	0.425	0
10	3	Unbiased	0.41	0.41	0
11	10	Biased	0.415	0.415	0
12	10	Biased	0.42	0.42	0
13	10	Biased	0.41	0.41	0
14	10	Biased	0.415	0.41	-0.005
15	10	Biased	0.42	0.42	0
16	10	Unbiased	0.415	0.415	0
17	10	Unbiased	0.425	0.425	0
18	10	Unbiased	0.42	0.415	-0.005
19	10	Unbiased	0.415	0.415	0
20	10	Unbiased	0.415	0.415	0
21	30	Biased	0.405	0.405	0
22	30	Biased	0.405	0.405	0
23	30	Biased	0.435	0.43	-0.005
24	30	Biased	0.405	0.4	-0.005
25	30	Biased	0.41	0.405	-0.005
26	30	Unbiased	0.415	0.41	-0.005
27	30	Unbiased	0.415	0.41	-0.005
28	30	Unbiased	0.415	0.41	-0.005
29	30	Unbiased	0.41	0.41	0
30	30	Unbiased	0.415	0.41	-0.005
31	50	Biased	0.41	0.405	-0.005
32	50	Biased	0.41	0.405	-0.005
33	50	Biased	0.415	0.415	0
34	50	Biased	0.425	0.42	-0.005
35	50	Biased	0.415	0.41	-0.005
36	50	Unbiased	0.415	0.415	0
37	50	Unbiased	0.415	0.415	0
38	50	Unbiased	0.42	0.415	-0.005
39	50	Unbiased	0.42	0.41	-0.01
40	50	Unbiased	0.415	0.41	-0.005
41	100	Biased	0.425	0.425	0
42	100	Biased	0.415	0.405	-0.01
43	100	Biased	0.41	0.41	0
44	100	Biased	0.415	0.41	-0.005
45	100	Biased	0.41	0.405	-0.005
46	100	Unbiased	0.415	0.41	-0.005
47	100	Unbiased	0.415	0.405	-0.01
48	100	Unbiased	0.41	0.405	-0.005
49	100	Unbiased	0.42	0.41	-0.01
50	100	Unbiased	0.405	0.405	0
51	0	Correlation	0.415	0.415	0
53	0	Correlation	0.425	0.425	0
54	0	Correlation	0.415	0.415	0
55	0	Correlation	0.415	0.42	0.005
56	0	Correlation	0.41	0.41	0

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.41	0.416	0.425	0.0054772	0.41	0.417	0.425	0.0057009	0	0.001	0.005	0.0022361
3	0.405	0.416	0.43	0.0090676	0.41	0.417	0.43	0.0082327	0	0.001	0.005	0.0021082
10	0.41	0.417	0.425	0.0042164	0.41	0.416	0.425	0.0045947	-0.005	-0.001	0	0.0021082
30	0.405	0.413	0.435	0.0088819	0.4	0.4095	0.43	0.0079757	-0.005	-0.0035	0	0.0024152
50	0.41	0.416	0.425	0.0045947	0.405	0.412	0.42	0.0048305	-0.01	-0.004	0	0.0031623
100	0.405	0.414	0.425	0.0056765	0.405	0.409	0.425	0.0061464	-0.01	-0.005	0	0.0040825

Device Test: 25.9; SENSE_F_HT_PP





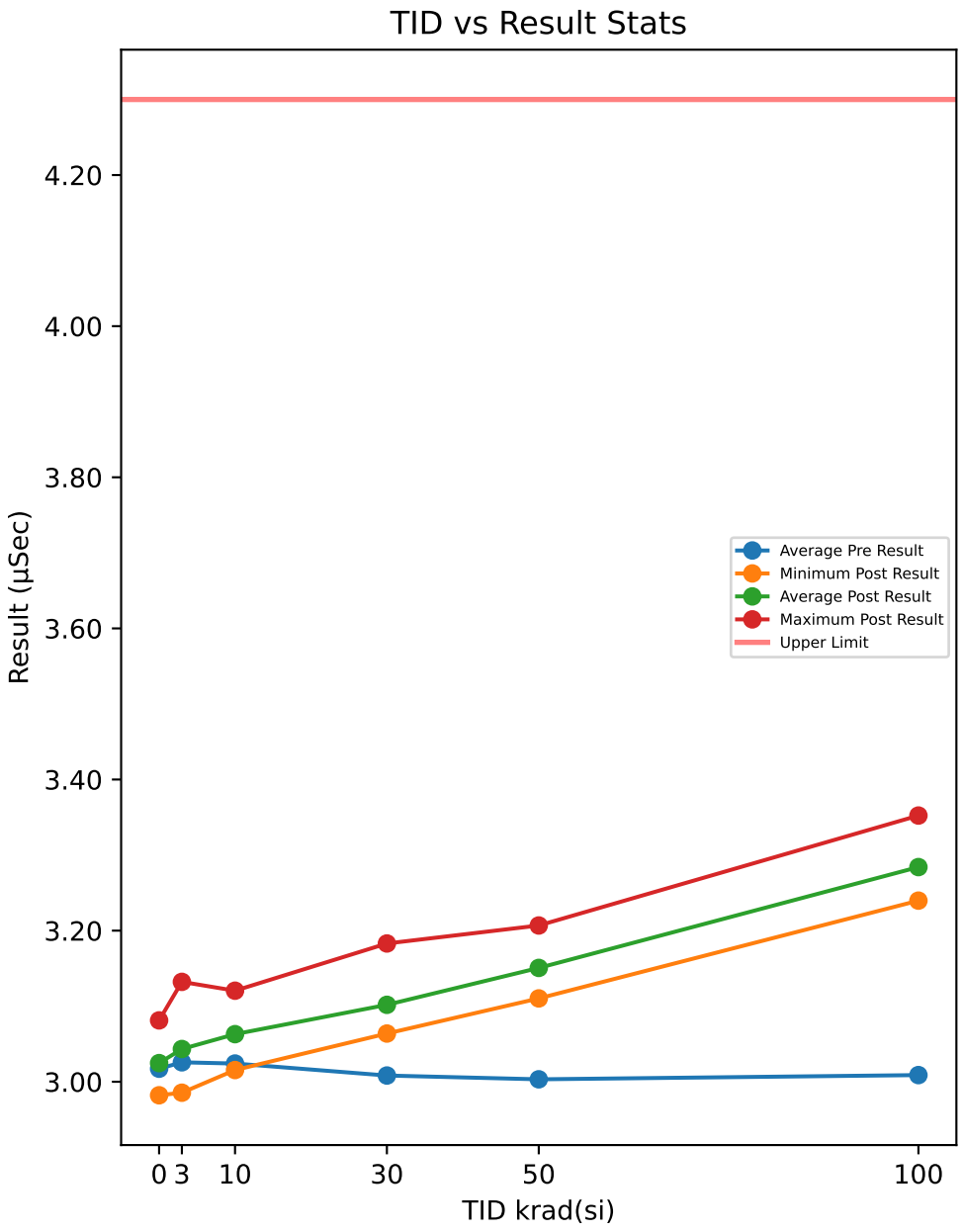
Test Results (Upper Limit = 2.2 (µSec))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.595	0.595	0
2	3	Biased	0.595	0.595	0
3	3	Biased	0.595	0.595	0
4	3	Biased	0.595	0.595	0
5	3	Biased	0.595	0.595	0
6	3	Unbiased	0.595	0.595	0
7	3	Unbiased	0.595	0.595	0
8	3	Unbiased	0.595	0.595	0
9	3	Unbiased	0.595	0.595	0
10	3	Unbiased	0.595	0.595	0
11	10	Biased	0.595	0.595	0
12	10	Biased	0.595	0.595	0
13	10	Biased	0.595	0.595	0
14	10	Biased	0.595	0.595	0
15	10	Biased	0.595	0.595	0
16	10	Unbiased	0.595	0.595	0
17	10	Unbiased	0.595	0.595	0
18	10	Unbiased	0.595	0.595	0
19	10	Unbiased	0.595	0.595	0
20	10	Unbiased	0.595	0.595	0
21	30	Biased	0.595	0.595	0
22	30	Biased	0.595	0.595	0
23	30	Biased	0.595	0.595	0
24	30	Biased	0.595	0.595	0
25	30	Biased	0.595	0.595	0
26	30	Unbiased	0.595	0.595	0
27	30	Unbiased	0.595	0.595	0
28	30	Unbiased	0.595	0.595	0
29	30	Unbiased	0.595	0.595	0
30	30	Unbiased	0.595	0.595	0
31	50	Biased	0.595	0.595	0
32	50	Biased	0.595	0.595	0
33	50	Biased	0.595	0.595	0
34	50	Biased	0.595	0.595	0
35	50	Biased	0.595	0.595	0
36	50	Unbiased	0.595	0.595	0
37	50	Unbiased	0.595	0.595	0
38	50	Unbiased	0.595	0.595	0
39	50	Unbiased	0.595	0.595	0
40	50	Unbiased	0.595	0.595	0
41	100	Biased	0.595	0.595	0
42	100	Biased	0.595	0.595	0
43	100	Biased	0.595	0.595	0
44	100	Biased	0.595	0.595	0
45	100	Biased	0.595	0.595	0
46	100	Unbiased	0.595	0.595	0
47	100	Unbiased	0.595	0.595	0
48	100	Unbiased	0.595	0.595	0
49	100	Unbiased	0.595	0.595	0
50	100	Unbiased	0.595	0.595	0
51	0	Correlation	0.595	0.595	0
53	0	Correlation	0.595	0.595	0
54	0	Correlation	0.595	0.595	0
55	0	Correlation	0.595	0.595	0
56	0	Correlation	0.595	0.595	0

Test Statistics (µSec)

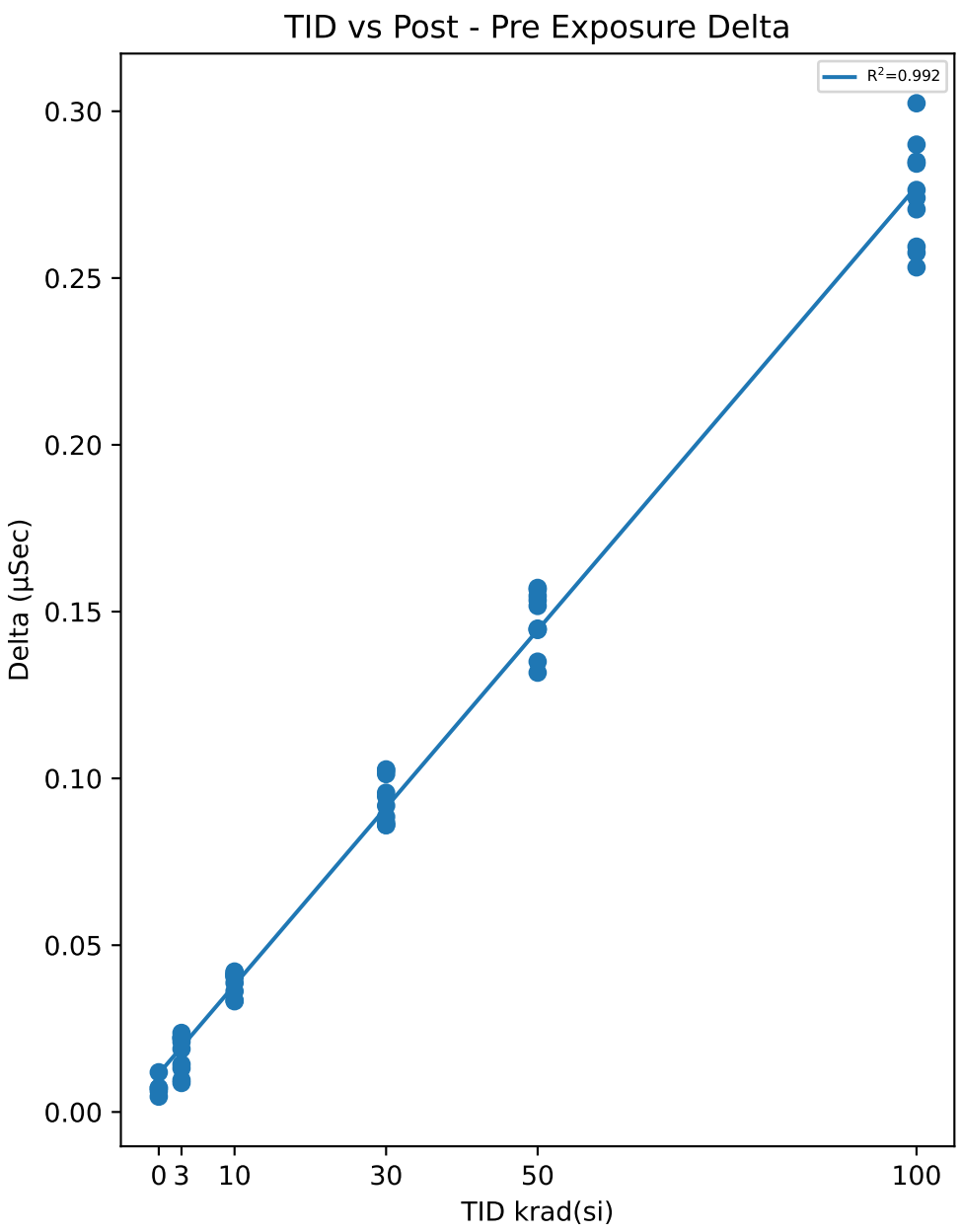
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0
3	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0
10	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0
30	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0
50	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0
100	0.595	0.595	0.595	0	0.595	0.595	0.595	0	0	0	0	0

Device Test: 5.1; PROPD_RESET



Test Results (Upper Limit = 4.3 (µSec))

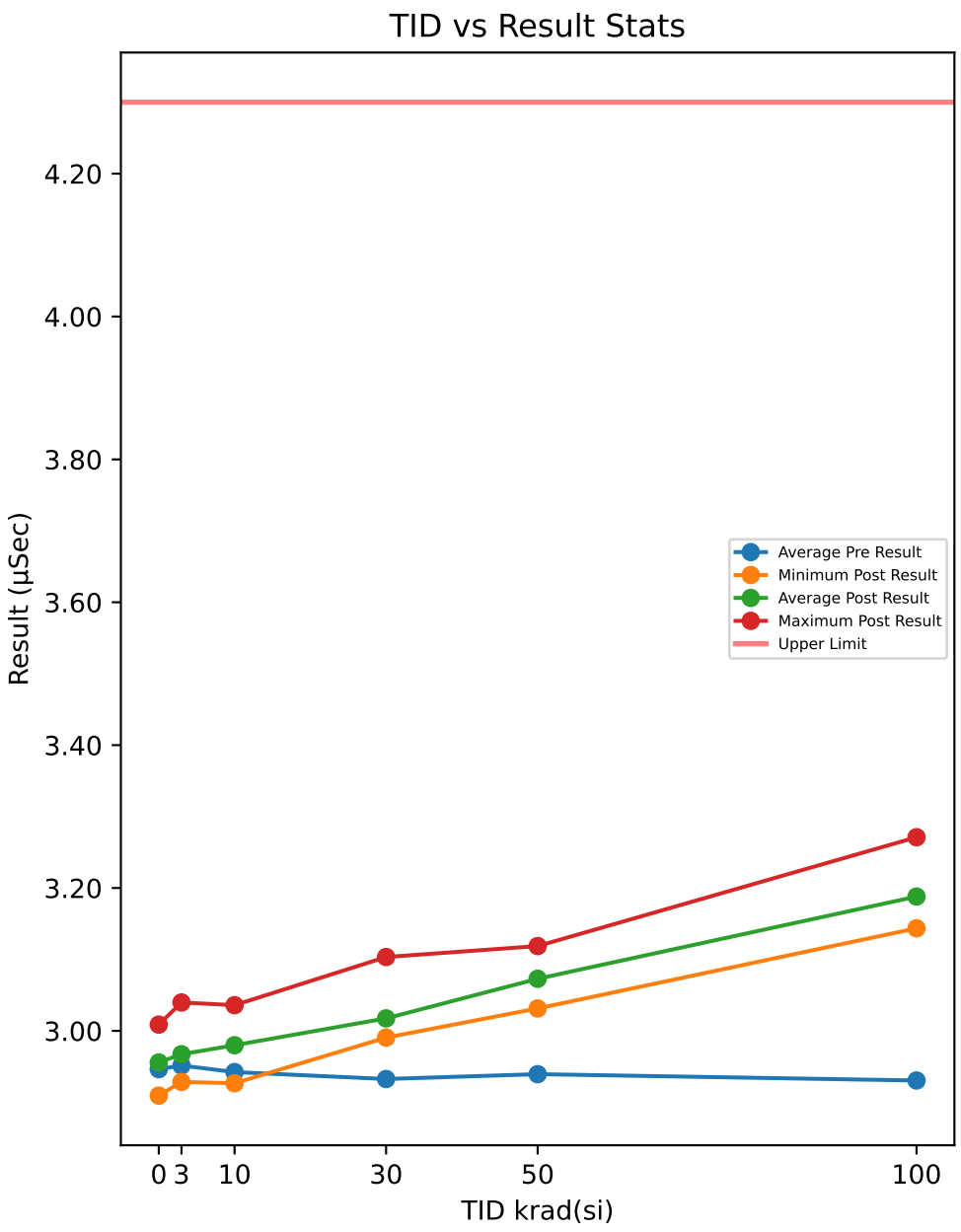
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	3.072	3.0957	0.0237
2	3	Biased	3.1191	3.1322	0.0131
3	3	Biased	3.0426	3.065	0.0224
4	3	Biased	2.9633	2.9855	0.0222
5	3	Biased	3.0175	3.0364	0.0189
6	3	Unbiased	3.0213	3.0434	0.0221
7	3	Unbiased	3.0114	3.0324	0.021
8	3	Unbiased	3.0347	3.049	0.0143
9	3	Unbiased	2.9882	2.9969	0.0087
10	3	Unbiased	2.9872	2.9968	0.0096
11	10	Biased	3.0058	3.047	0.0412
12	10	Biased	3.0493	3.088	0.0387
13	10	Biased	2.9945	3.0354	0.0409
14	10	Biased	2.9958	3.0379	0.0421
15	10	Biased	3.0645	3.0977	0.0332
16	10	Unbiased	2.9793	3.0155	0.0362
17	10	Unbiased	3.0796	3.1205	0.0409
18	10	Unbiased	3.0212	3.063	0.0418
19	10	Unbiased	2.9995	3.033	0.0335
20	10	Unbiased	3.0515	3.0919	0.0404
21	30	Biased	3.0101	3.0961	0.086
22	30	Biased	2.9807	3.0764	0.0957
23	30	Biased	3.0817	3.183	0.1013
24	30	Biased	2.972	3.0638	0.0918
25	30	Biased	3.0075	3.0935	0.086
26	30	Unbiased	3.0154	3.1039	0.0885
27	30	Unbiased	2.9929	3.0956	0.1027
28	30	Unbiased	3.0311	3.1257	0.0946
29	30	Unbiased	3.0134	3.1002	0.0868
30	30	Unbiased	2.9776	3.08	0.1024
31	50	Biased	2.9854	3.1301	0.1447
32	50	Biased	2.9797	3.1147	0.135
33	50	Biased	2.9956	3.149	0.1534
34	50	Biased	2.9962	3.1528	0.1566
35	50	Biased	3.0751	3.2068	0.1317
36	50	Unbiased	3.0198	3.1715	0.1517
37	50	Unbiased	3.0375	3.1824	0.1449
38	50	Unbiased	3.0078	3.1523	0.1445
39	50	Unbiased	2.982	3.1367	0.1547
40	50	Unbiased	2.9532	3.1103	0.1571
41	100	Biased	3.0947	3.3523	0.2576
42	100	Biased	2.9867	3.2767	0.29
43	100	Biased	3.0428	3.3192	0.2764
44	100	Biased	2.9792	3.2532	0.274
45	100	Biased	3.0144	3.2676	0.2532
46	100	Unbiased	3.0135	3.2984	0.2849
47	100	Unbiased	3.0094	3.2937	0.2843
48	100	Unbiased	2.9803	3.2397	0.2594
49	100	Unbiased	2.9965	3.2989	0.3024
50	100	Unbiased	2.9707	3.2413	0.2706
51	0	Correlation	3.0263	3.0335	0.0072
53	0	Correlation	3.0693	3.0812	0.0119
54	0	Correlation	3.0111	3.0157	0.0046
55	0	Correlation	3.0046	3.0109	0.0063
56	0	Correlation	2.9749	2.9821	0.0072

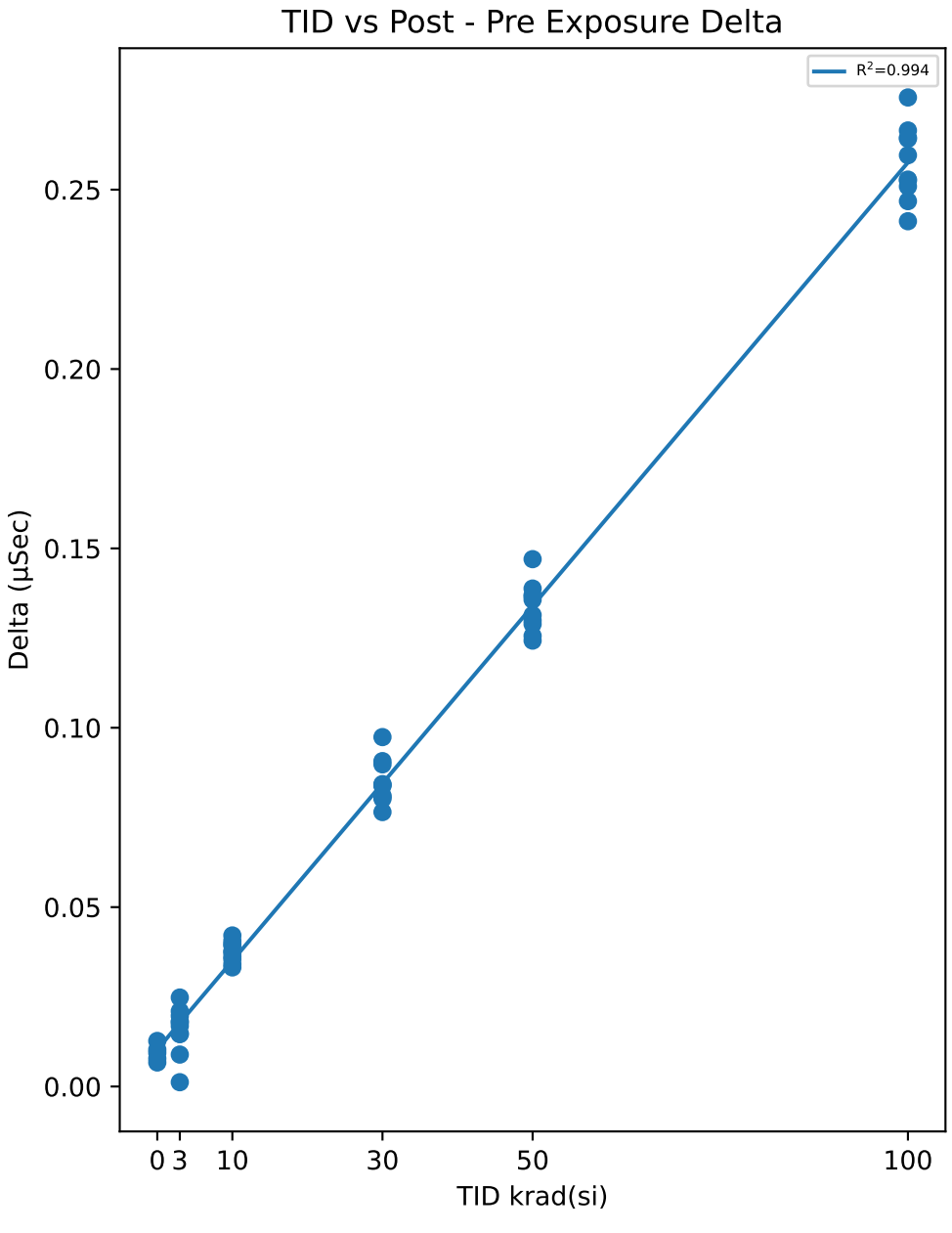


Test Statistics (µSec)

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	2.9749	3.0172	3.0693	0.034578	2.9821	3.0247	3.0812	0.036592	0.0046	0.00744	0.0119	0.0027098
3	2.9633	3.0257	3.1191	0.045101	2.9855	3.0433	3.1322	0.045916	0.0087	0.0176	0.0237	0.0056692
10	2.9793	3.0241	3.0796	0.03453	3.0155	3.063	3.1205	0.0346	0.0332	0.03889	0.0421	0.0033857
30	2.972	3.0082	3.0817	0.032053	3.0638	3.1018	3.183	0.033126	0.086	0.09358	0.1027	0.0067983
50	2.9532	3.0032	3.0751	0.034267	3.1103	3.1507	3.2068	0.03008	0.1317	0.14743	0.1571	0.0088738
100	2.9707	3.0088	3.0947	0.037071	3.2397	3.2841	3.3523	0.035721	0.2532	0.27528	0.3024	0.015646

Device Test: 5.10; PROPD_RESET





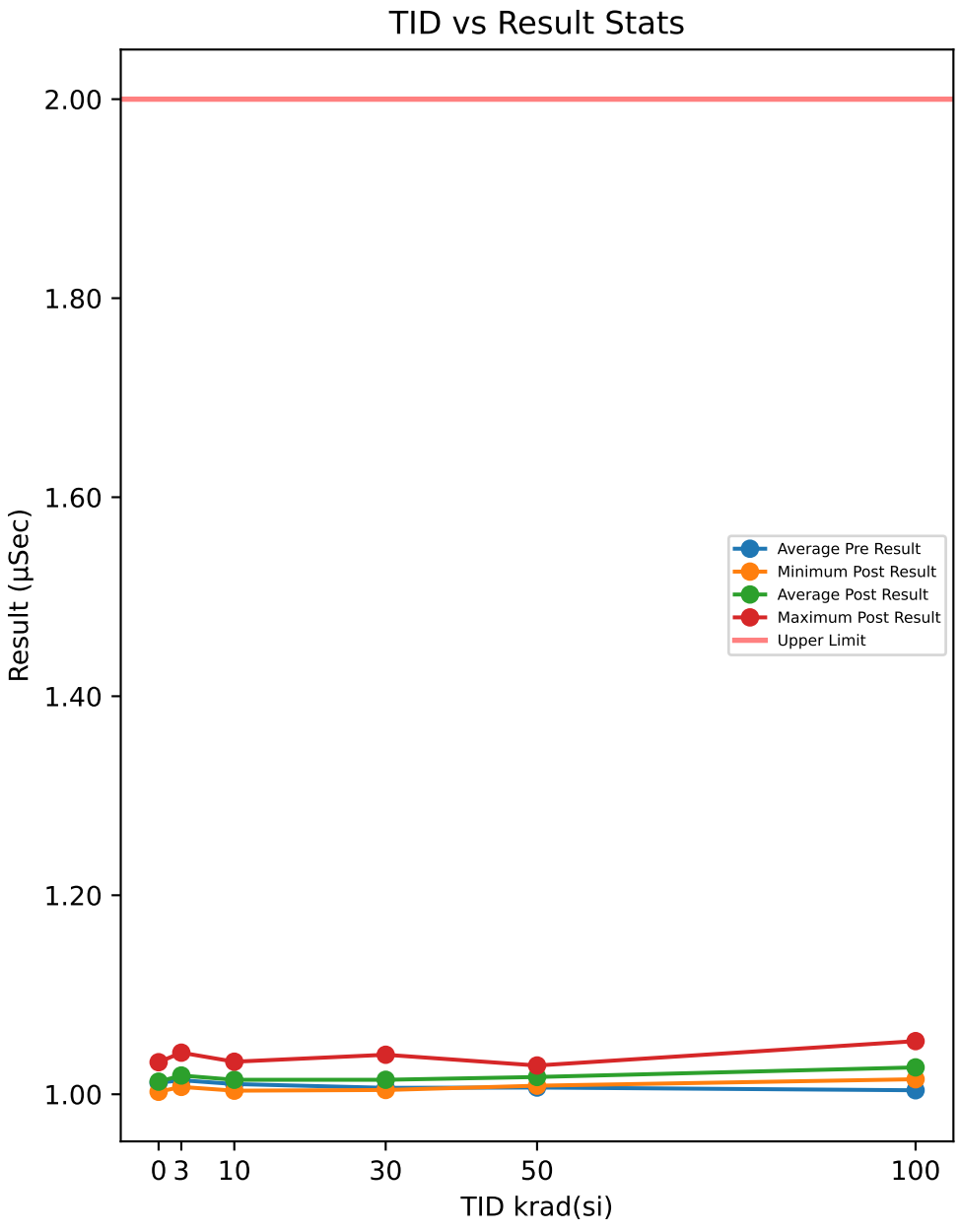
Test Results (Upper Limit = 4.3 (µSec))

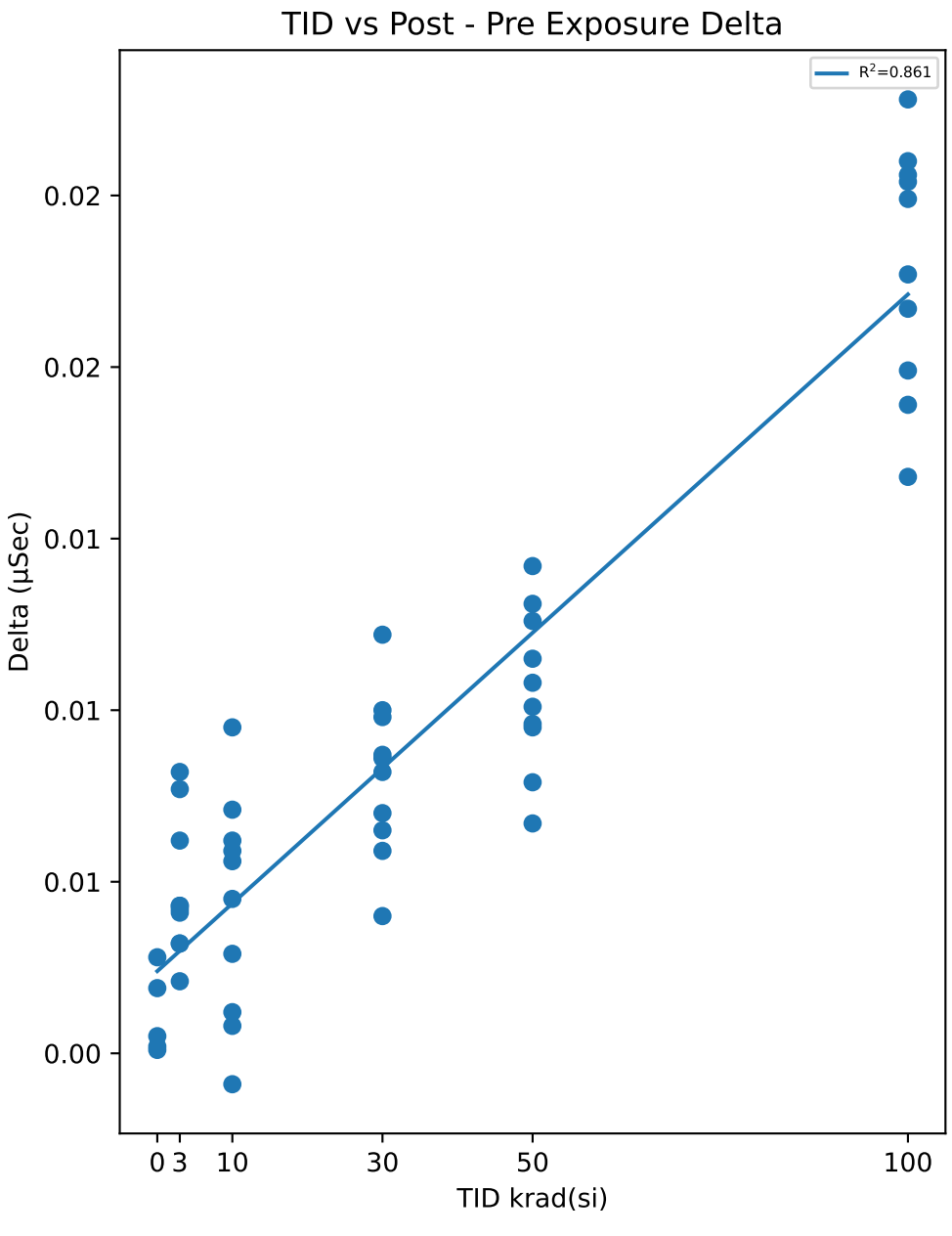
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	3.0217	3.0398	0.0181
2	3	Biased	3.0192	3.0361	0.0169
3	3	Biased	2.9802	2.9891	0.0089
4	3	Biased	2.9107	2.9286	0.0179
5	3	Biased	2.9472	2.972	0.0248
6	3	Unbiased	2.9235	2.9381	0.0146
7	3	Unbiased	2.9157	2.9304	0.0147
8	3	Unbiased	2.9525	2.9537	0.0012
9	3	Unbiased	2.9246	2.9443	0.0197
10	3	Unbiased	2.92	2.941	0.021
11	10	Biased	2.8927	2.932	0.0393
12	10	Biased	2.9735	3.009	0.0355
13	10	Biased	2.8935	2.9267	0.0332
14	10	Biased	2.8977	2.9398	0.0421
15	10	Biased	2.9749	3.0123	0.0374
16	10	Unbiased	2.9146	2.9552	0.0406
17	10	Unbiased	2.9983	3.036	0.0377
18	10	Unbiased	2.9899	3.024	0.0341
19	10	Unbiased	2.9321	2.9718	0.0397
20	10	Unbiased	2.9561	2.9923	0.0362
21	30	Biased	2.9233	3.0044	0.0811
22	30	Biased	2.9068	2.9906	0.0838
23	30	Biased	3.0232	3.1034	0.0802
24	30	Biased	2.9084	3.0058	0.0974
25	30	Biased	2.9183	2.9948	0.0765
26	30	Unbiased	2.9478	3.0319	0.0841
27	30	Unbiased	2.918	3.0087	0.0907
28	30	Unbiased	2.9539	3.0382	0.0843
29	30	Unbiased	2.9095	2.9993	0.0898
30	30	Unbiased	2.9171	2.9978	0.0807
31	50	Biased	2.9042	3.0408	0.1366
32	50	Biased	2.9028	3.0317	0.1289
33	50	Biased	2.9303	3.066	0.1357
34	50	Biased	2.9434	3.0904	0.147
35	50	Biased	2.9915	3.1158	0.1243
36	50	Unbiased	2.9816	3.1115	0.1299
37	50	Unbiased	2.9799	3.1187	0.1388
38	50	Unbiased	2.9347	3.0661	0.1314
39	50	Unbiased	2.9199	3.0569	0.137
40	50	Unbiased	2.9058	3.0314	0.1256
41	100	Biased	3.0185	3.2711	0.2526
42	100	Biased	2.9219	3.1864	0.2645
43	100	Biased	2.9468	3.2133	0.2665
44	100	Biased	2.9029	3.1671	0.2642
45	100	Biased	2.9167	3.1579	0.2412
46	100	Unbiased	2.9178	3.1706	0.2528
47	100	Unbiased	2.9493	3.2089	0.2596
48	100	Unbiased	2.91	3.1568	0.2468
49	100	Unbiased	2.929	3.2047	0.2757
50	100	Unbiased	2.8927	3.1436	0.2509
51	0	Correlation	2.9558	2.9661	0.0103
53	0	Correlation	3.001	3.0088	0.0078
54	0	Correlation	2.9163	2.929	0.0127
55	0	Correlation	2.9589	2.9656	0.0067
56	0	Correlation	2.9	2.9094	0.0094

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	2.9	2.9464	3.001	0.039638	2.9094	2.9558	3.0088	0.038348	0.0067	0.00938	0.0127	0.002321
3	2.9107	2.9515	3.0217	0.0419	2.9286	2.9673	3.0398	0.041639	0.0012	0.01578	0.0248	0.0066464
10	2.8927	2.9423	2.9983	0.041272	2.9267	2.9799	3.036	0.040209	0.0332	0.03758	0.0421	0.0028786
30	2.9068	2.9326	3.0232	0.035625	2.9906	3.0175	3.1034	0.033926	0.0765	0.08486	0.0974	0.0061538
50	2.9028	2.9394	2.9915	0.033902	3.0314	3.0729	3.1187	0.034212	0.1243	0.13352	0.147	0.0068525
100	2.8927	2.9306	3.0185	0.035593	3.1436	3.188	3.2711	0.037792	0.2412	0.25748	0.2757	0.010437

Device Test: 5.105; PROPD_SR_UVLO





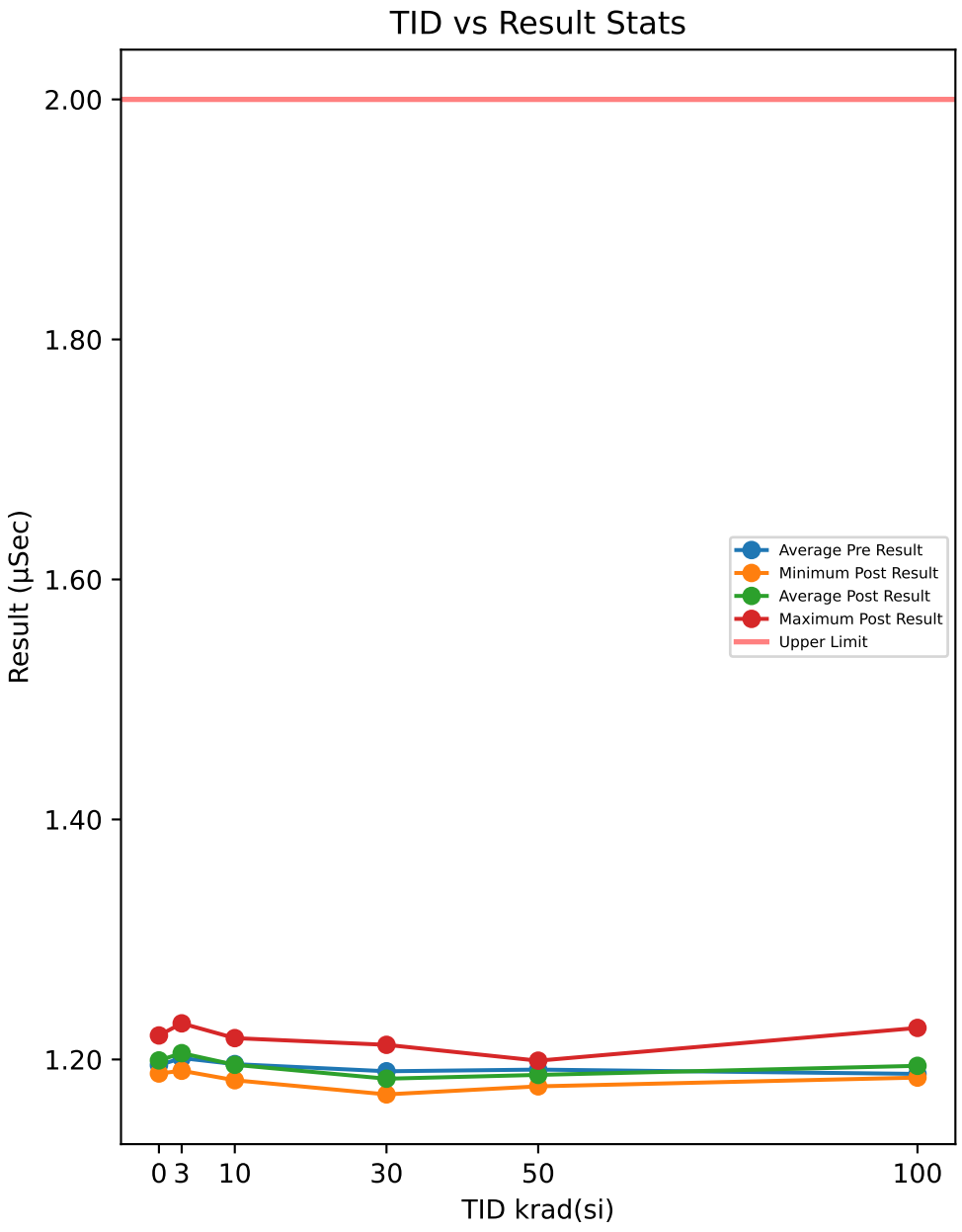
Test Results (Upper Limit = 2.0 (µSec))

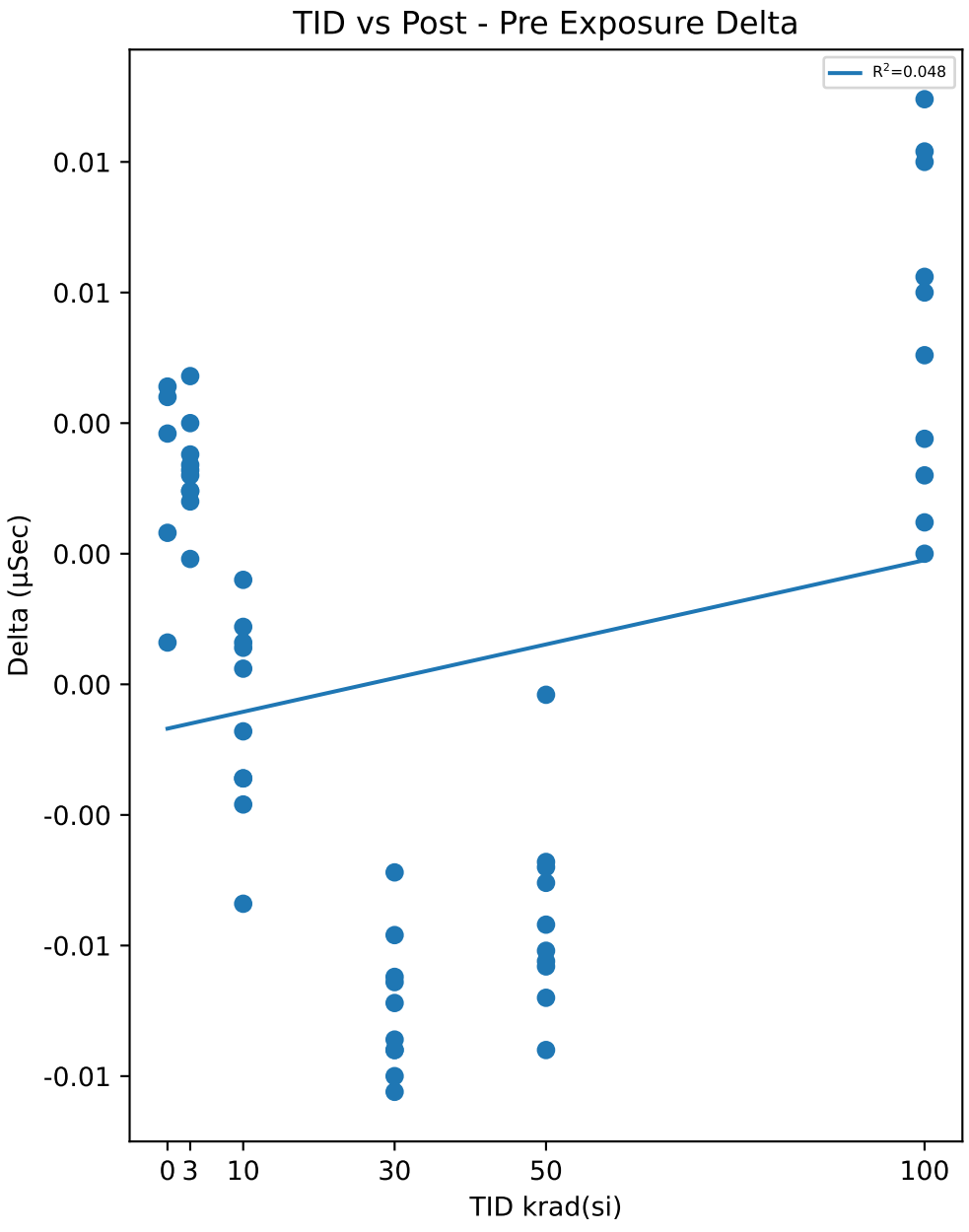
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.0356	1.0418	0.0062
2	3	Biased	1.0301	1.0333	0.0032
3	3	Biased	1.0202	1.0245	0.0043
4	3	Biased	1.0036	1.0079	0.0043
5	3	Biased	1.0109	1.0191	0.0082
6	3	Unbiased	1.0063	1.0084	0.0021
7	3	Unbiased	1.0123	1.0155	0.0032
8	3	Unbiased	1.0143	1.0185	0.0042
9	3	Unbiased	1.0043	1.012	0.0077
10	3	Unbiased	1.0033	1.0074	0.0041
11	10	Biased	1.002	1.0082	0.0062
12	10	Biased	1.0167	1.0226	0.0059
13	10	Biased	1.0045	1.0036	-0.0009
14	10	Biased	0.9993	1.0064	0.0071
15	10	Biased	1.016	1.0216	0.0056
16	10	Unbiased	1.0042	1.005	0.0008
17	10	Unbiased	1.0282	1.0327	0.0045
18	10	Unbiased	1.0133	1.0162	0.0029
19	10	Unbiased	1.0009	1.0104	0.0095
20	10	Unbiased	1.0175	1.0187	0.0012
21	30	Biased	1.0029	1.0127	0.0098
22	30	Biased	1.0048	1.0113	0.0065
23	30	Biased	1.0311	1.0397	0.0086
24	30	Biased	0.9984	1.0084	0.01
25	30	Biased	1.0042	1.0082	0.004
26	30	Unbiased	1.0123	1.0182	0.0059
27	30	Unbiased	1.0081	1.0163	0.0082
28	30	Unbiased	1.004	1.011	0.007
29	30	Unbiased	1.0067	1.0154	0.0087
30	30	Unbiased	0.9921	1.0043	0.0122
31	50	Biased	1.0019	1.0086	0.0067
32	50	Biased	1.0038	1.0117	0.0079
33	50	Biased	1.0062	1.0158	0.0096
34	50	Biased	1.0059	1.0154	0.0095
35	50	Biased	1.0176	1.0277	0.0101
36	50	Unbiased	1.0079	1.0187	0.0108
37	50	Unbiased	1.008	1.0211	0.0131
38	50	Unbiased	1.0147	1.0289	0.0142
39	50	Unbiased	1.0038	1.0153	0.0115
40	50	Unbiased	0.9977	1.0103	0.0126
41	100	Biased	1.0366	1.0534	0.0168
42	100	Biased	1.0039	1.0293	0.0254
43	100	Biased	1.0064	1.032	0.0256
44	100	Biased	0.9949	1.0227	0.0278
45	100	Biased	0.9984	1.0173	0.0189
46	100	Unbiased	1.0071	1.027	0.0199
47	100	Unbiased	1.0047	1.0296	0.0249
48	100	Unbiased	0.9992	1.0219	0.0227
49	100	Unbiased	0.9956	1.0216	0.026
50	100	Unbiased	0.9934	1.0151	0.0217
51	0	Correlation	1.0081	1.0083	0.0002
53	0	Correlation	1.0294	1.0322	0.0028
54	0	Correlation	1.0066	1.0085	0.0019
55	0	Correlation	1.0118	1.0119	0.0001
56	0	Correlation	1.002	1.0025	0.0005

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	1.002	1.0116	1.0294	0.010563	1.0025	1.0127	1.0322	0.011423	0.0001	0.0011	0.0028	0.0011937
3	1.0033	1.0141	1.0356	0.011317	1.0074	1.0188	1.0418	0.011479	0.0021	0.00475	0.0082	0.0019907
10	0.9993	1.0103	1.0282	0.0094504	1.0036	1.0145	1.0327	0.0094219	-0.0009	0.00428	0.0095	0.0032255
30	0.9921	1.0065	1.0311	0.010229	1.0043	1.0146	1.0397	0.009772	0.004	0.00809	0.0122	0.0023416
50	0.9977	1.0068	1.0176	0.0058468	1.0086	1.0173	1.0289	0.0068719	0.0067	0.0106	0.0142	0.0023338
100	0.9934	1.004	1.0366	0.012467	1.0151	1.027	1.0534	0.010767	0.0168	0.02297	0.0278	0.0035715

Device Test: 5.106; PROPD_SR_UVLO





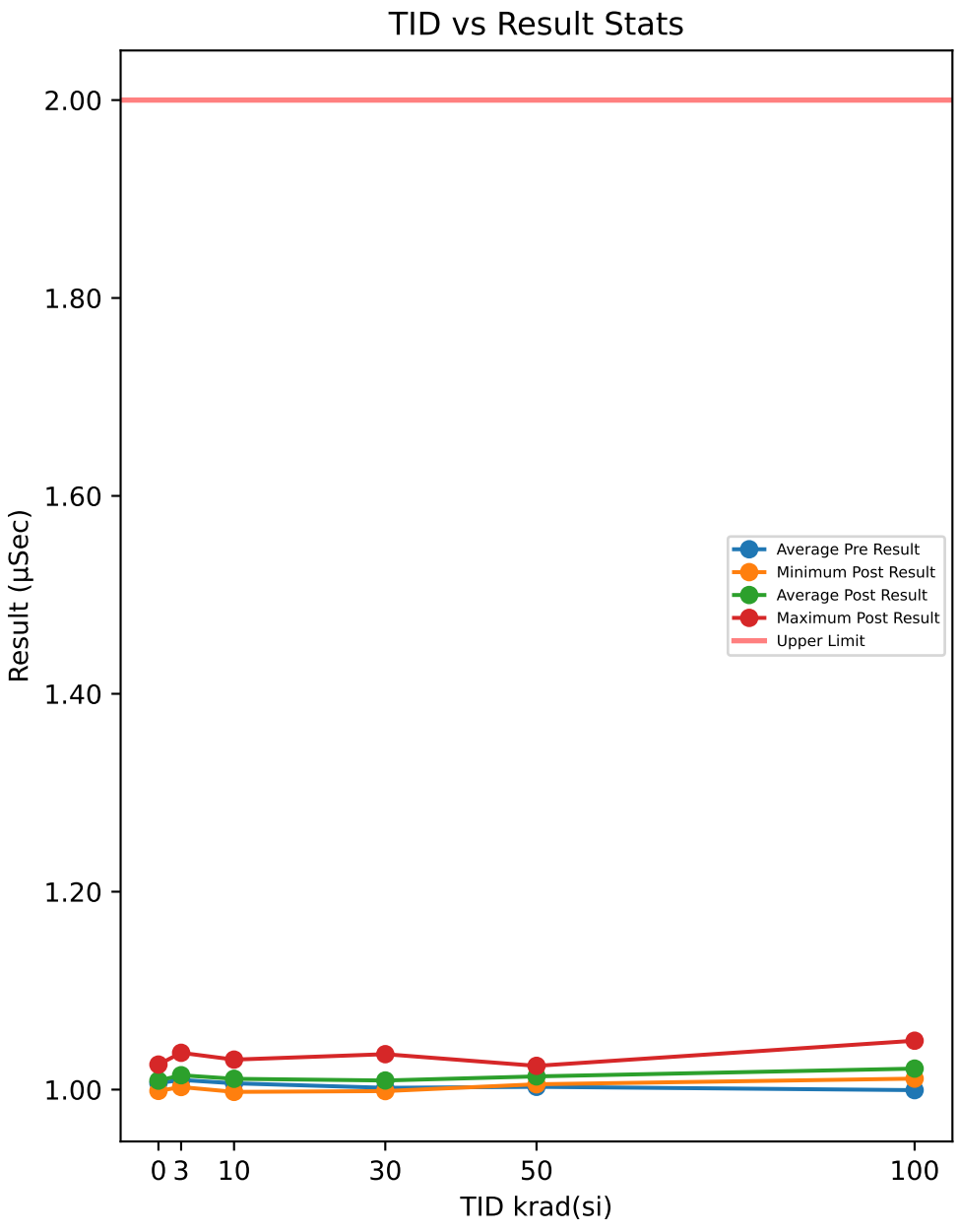
Test Results (Upper Limit = 2.0 (µSec))

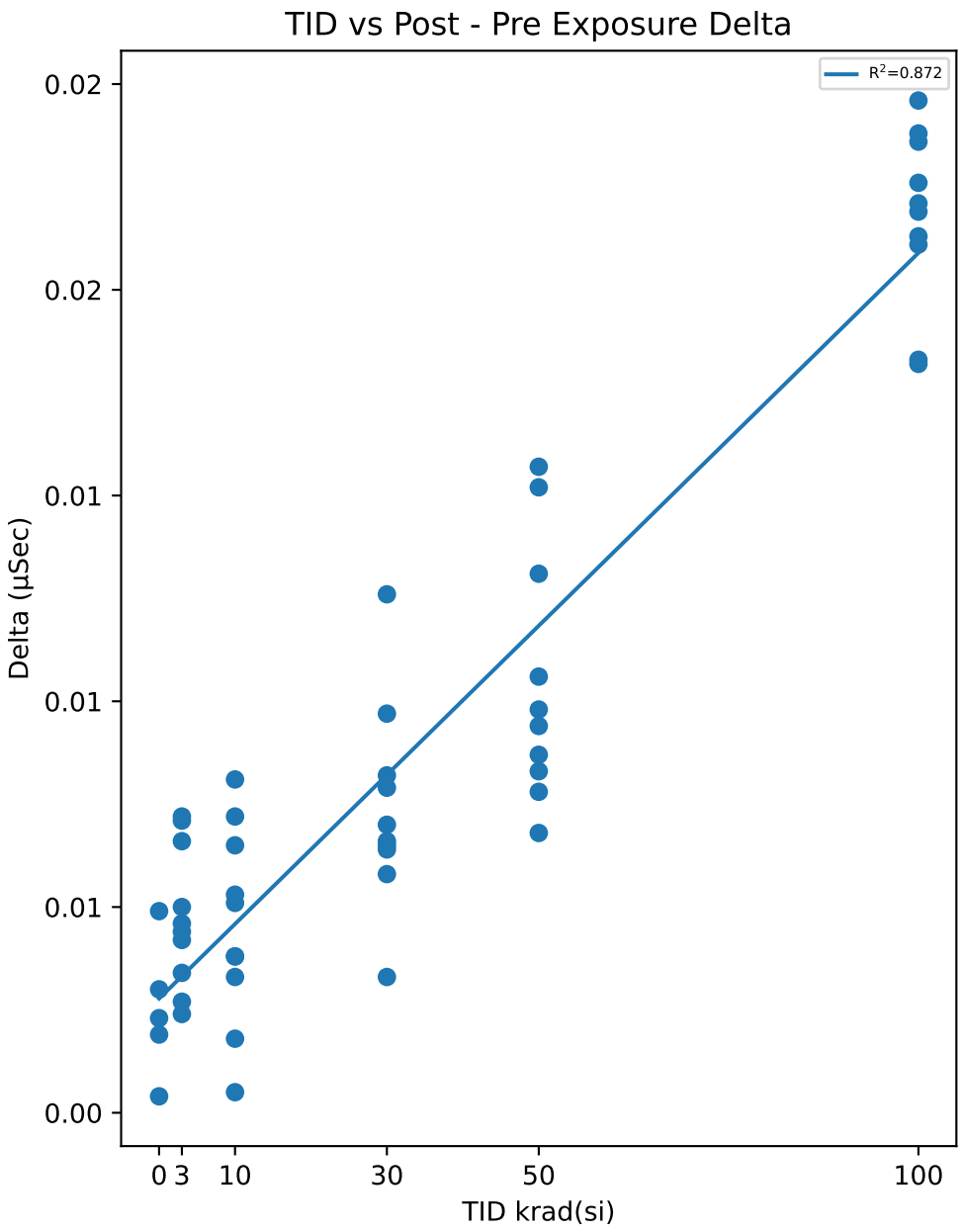
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.2264	1.2301	0.0037
2	3	Biased	1.2215	1.2259	0.0044
3	3	Biased	1.209	1.214	0.005
4	3	Biased	1.1871	1.193	0.0059
5	3	Biased	1.1985	1.2022	0.0037
6	3	Unbiased	1.1906	1.1947	0.0041
7	3	Unbiased	1.1975	1.1999	0.0024
8	3	Unbiased	1.2024	1.2064	0.004
9	3	Unbiased	1.1923	1.1958	0.0035
10	3	Unbiased	1.1864	1.1906	0.0042
11	10	Biased	1.1859	1.187	0.0011
12	10	Biased	1.2036	1.2018	-0.0018
13	10	Biased	1.1883	1.1886	0.0003
14	10	Biased	1.1807	1.1827	0.002
15	10	Biased	1.2054	1.2062	0.0008
16	10	Unbiased	1.19	1.1882	-0.0018
17	10	Unbiased	1.2187	1.2178	-0.0009
18	10	Unbiased	1.1995	1.1972	-0.0023
19	10	Unbiased	1.1879	1.1886	0.0007
20	10	Unbiased	1.2016	1.1974	-0.0042
21	30	Biased	1.1872	1.1797	-0.0075
22	30	Biased	1.185	1.178	-0.007
23	30	Biased	1.219	1.2122	-0.0068
24	30	Biased	1.1813	1.1735	-0.0078
25	30	Biased	1.1876	1.1815	-0.0061
26	30	Unbiased	1.1932	1.1896	-0.0036
27	30	Unbiased	1.1905	1.1835	-0.007
28	30	Unbiased	1.1895	1.1847	-0.0048
29	30	Unbiased	1.1919	1.1862	-0.0057
30	30	Unbiased	1.1765	1.1709	-0.0056
31	50	Biased	1.1853	1.1783	-0.007
32	50	Biased	1.1871	1.182	-0.0051
33	50	Biased	1.1871	1.1836	-0.0035
34	50	Biased	1.1907	1.1854	-0.0053
35	50	Biased	1.2024	1.199	-0.0034
36	50	Unbiased	1.1935	1.1897	-0.0038
37	50	Unbiased	1.1964	1.1918	-0.0046
38	50	Unbiased	1.2025	1.1971	-0.0054
39	50	Unbiased	1.1871	1.1869	-0.0002
40	50	Unbiased	1.1836	1.1776	-0.006
41	100	Biased	1.2232	1.2263	0.0031
42	100	Biased	1.1885	1.196	0.0075
43	100	Biased	1.1895	1.1995	0.01
44	100	Biased	1.1784	1.1896	0.0112
45	100	Biased	1.1824	1.1849	0.0025
46	100	Unbiased	1.1886	1.1933	0.0047
47	100	Unbiased	1.1903	1.1966	0.0063
48	100	Unbiased	1.183	1.187	0.004
49	100	Unbiased	1.1784	1.1886	0.0102
50	100	Unbiased	1.1775	1.1853	0.0078
51	0	Correlation	1.1911	1.1959	0.0048
53	0	Correlation	1.2143	1.22	0.0057
54	0	Correlation	1.1915	1.1944	0.0029
55	0	Correlation	1.1967	1.1975	0.0008
56	0	Correlation	1.1828	1.1883	0.0055

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	1.1828	1.1953	1.2143	0.01174	1.1883	1.1992	1.22	0.012127	0.0008	0.00394	0.0057	0.0020744
3	1.1864	1.2012	1.2264	0.013904	1.1906	1.2053	1.2301	0.013845	0.0024	0.00409	0.0059	0.0009267
10	1.1807	1.1962	1.2187	0.011555	1.1827	1.1956	1.2178	0.010763	-0.0042	-0.00061	0.002	0.0019128
30	1.1765	1.1902	1.219	0.011312	1.1709	1.184	1.2122	0.011425	-0.0078	-0.00619	-0.0036	0.0013008
50	1.1836	1.1916	1.2025	0.0068907	1.1776	1.1871	1.199	0.0072978	-0.007	-0.00443	-0.0002	0.0018697
100	1.1775	1.188	1.2232	0.013325	1.1849	1.1947	1.2263	0.012183	0.0025	0.00673	0.0112	0.0031141

Device Test: 5.107; PROPD_SR_UVLO





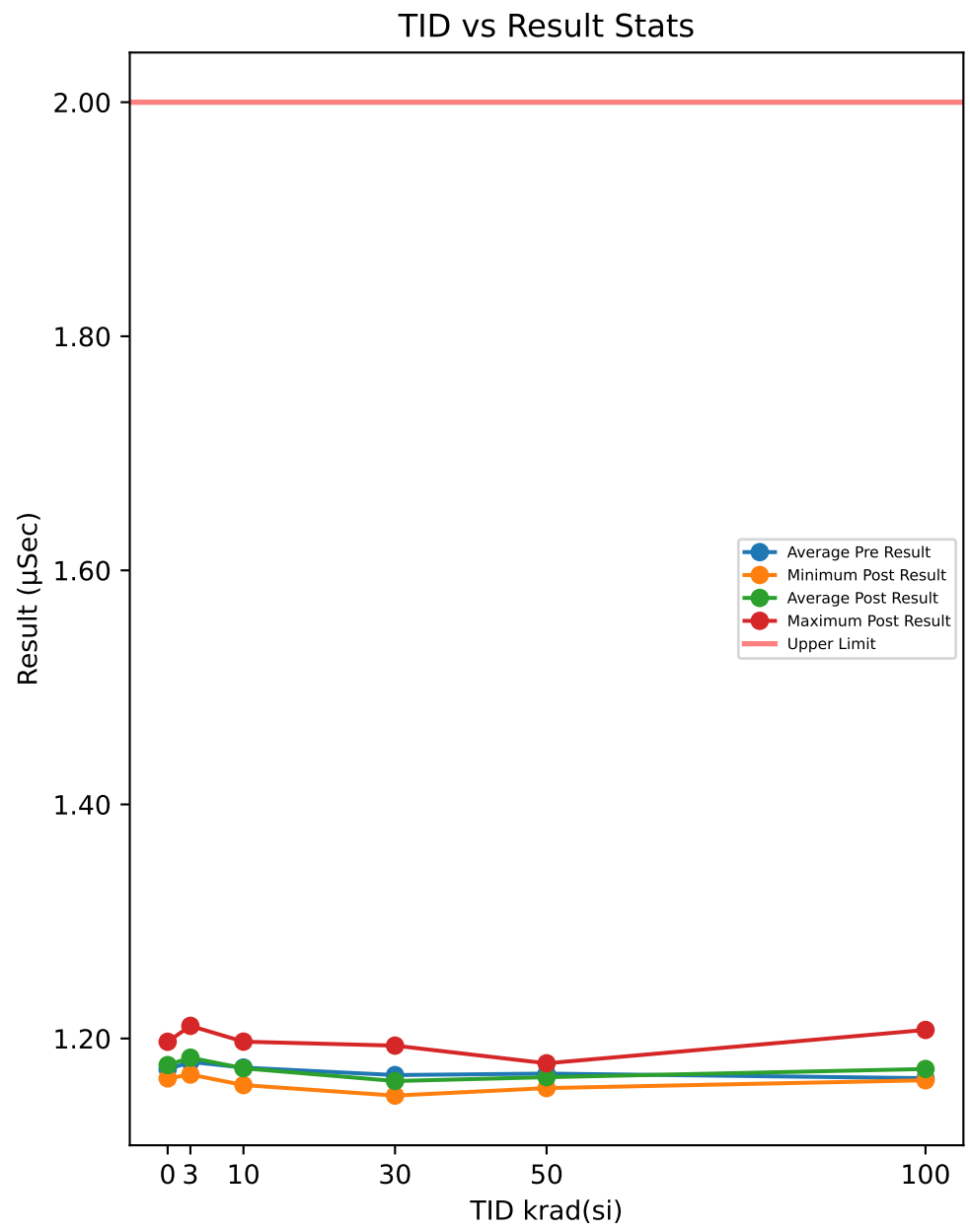
Test Results (Upper Limit = 2.0 (µSec))

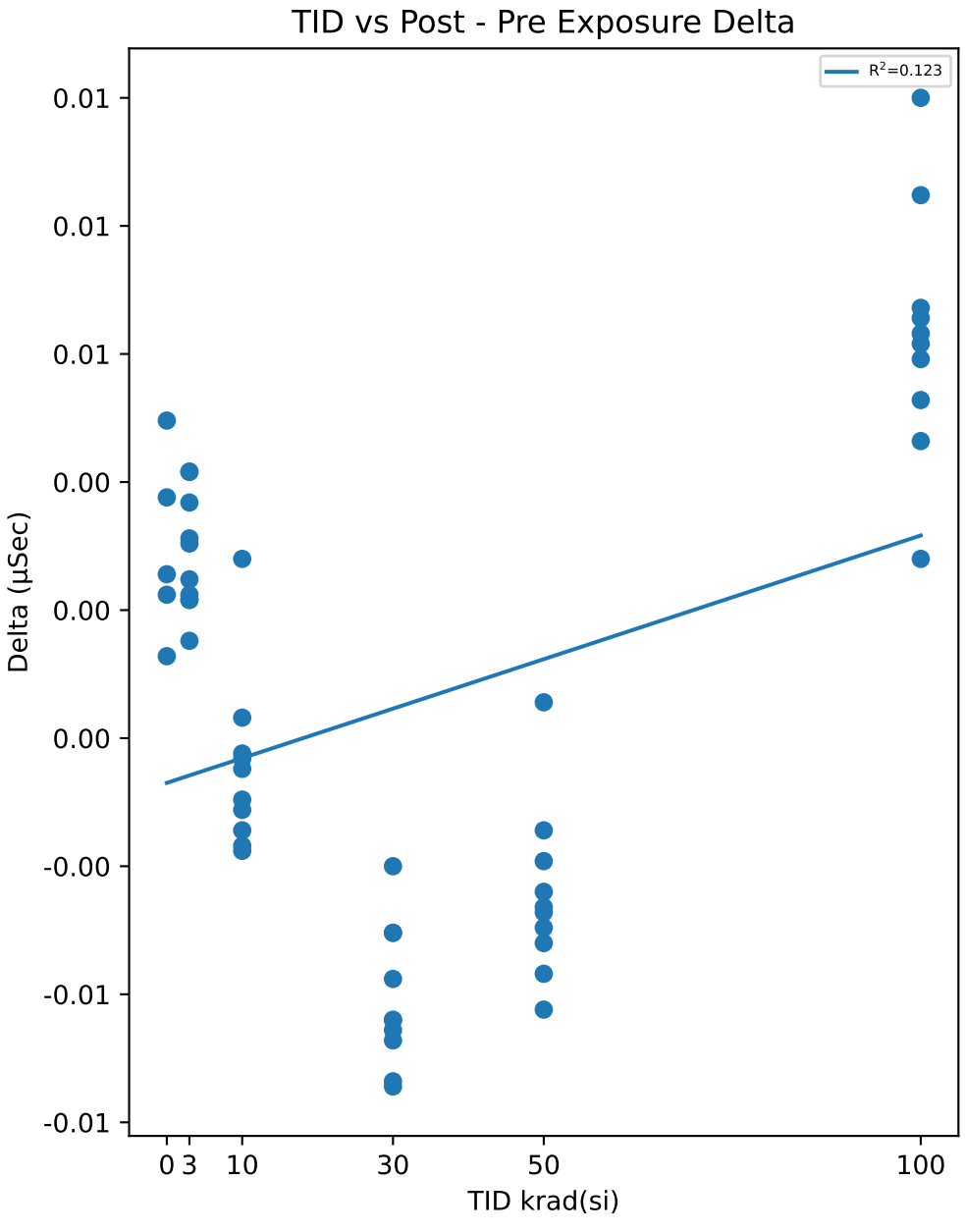
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.033	1.0372	0.0042
2	3	Biased	1.0279	1.0303	0.0024
3	3	Biased	1.0159	1.023	0.0071
4	3	Biased	0.9972	1.0038	0.0066
5	3	Biased	1.006	1.0132	0.0072
6	3	Unbiased	1.0006	1.0033	0.0027
7	3	Unbiased	1.0061	1.0107	0.0046
8	3	Unbiased	1.0126	1.017	0.0044
9	3	Unbiased	0.9992	1.0042	0.005
10	3	Unbiased	0.9992	1.0026	0.0034
11	10	Biased	0.9969	1.002	0.0051
12	10	Biased	1.0123	1.0161	0.0038
13	10	Biased	0.9953	1.0025	0.0072
14	10	Biased	0.9972	0.9977	0.0005
15	10	Biased	1.0121	1.0186	0.0065
16	10	Unbiased	0.9998	1.0051	0.0053
17	10	Unbiased	1.0285	1.0303	0.0018
18	10	Unbiased	1.0078	1.0159	0.0081
19	10	Unbiased	1.0007	1.004	0.0033
20	10	Unbiased	1.0132	1.017	0.0038
21	30	Biased	0.9998	1.0068	0.007
22	30	Biased	0.9976	1.0009	0.0033
23	30	Biased	1.0294	1.0358	0.0064
24	30	Biased	0.9915	1.0012	0.0097
25	30	Biased	0.9989	1.0054	0.0065
26	30	Unbiased	1.0053	1.0135	0.0082
27	30	Unbiased	1.0035	1.0101	0.0066
28	30	Unbiased	0.9971	1.0097	0.0126
29	30	Unbiased	1.0044	1.0102	0.0058
30	30	Unbiased	0.9906	0.9985	0.0079
31	50	Biased	0.9977	1.0055	0.0078
32	50	Biased	1.0014	1.0082	0.0068
33	50	Biased	0.9998	1.0085	0.0087
34	50	Biased	0.9969	1.0126	0.0157
35	50	Biased	1.0157	1.024	0.0083
36	50	Unbiased	1.0048	1.0142	0.0094
37	50	Unbiased	1.0077	1.0183	0.0106
38	50	Unbiased	1.0108	1.0239	0.0131
39	50	Unbiased	0.9976	1.0128	0.0152
40	50	Unbiased	0.9956	1.0054	0.0098
41	100	Biased	1.0311	1.0494	0.0183
42	100	Biased	1.0025	1.0238	0.0213
43	100	Biased	1.003	1.0256	0.0226
44	100	Biased	0.9906	1.0144	0.0238
45	100	Biased	0.9929	1.0111	0.0182
46	100	Unbiased	0.9997	1.0216	0.0219
47	100	Unbiased	0.998	1.0226	0.0246
48	100	Unbiased	0.9936	1.0157	0.0221
49	100	Unbiased	0.9911	1.0147	0.0236
50	100	Unbiased	0.9922	1.0133	0.0211
51	0	Correlation	1.0021	1.007	0.0049
53	0	Correlation	1.0234	1.0253	0.0019
54	0	Correlation	1.0026	1.0049	0.0023
55	0	Correlation	1.0065	1.0095	0.003
56	0	Correlation	0.9983	0.9987	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	0.9983	1.0066	1.0234	0.0098411	0.9987	1.0091	1.0253	0.0099097	0.0004	0.0025	0.0049	0.0016447
3	0.9972	1.0098	1.033	0.012504	1.0026	1.0145	1.0372	0.012235	0.0024	0.00476	0.0072	0.0017322
10	0.9953	1.0064	1.0285	0.010425	0.9977	1.0109	1.0303	0.010166	0.0005	0.00454	0.0081	0.0023792
30	0.9906	1.0018	1.0294	0.01089	0.9985	1.0092	1.0358	0.010518	0.0033	0.0074	0.0126	0.0024766
50	0.9956	1.0028	1.0157	0.0067419	1.0054	1.0133	1.024	0.0068774	0.0068	0.01054	0.0157	0.0031028
100	0.9906	0.99947	1.0311	0.012035	1.0111	1.0212	1.0494	0.011089	0.0182	0.02175	0.0246	0.0021537

Device Test: 5.108; PROPD_SR_UVLO





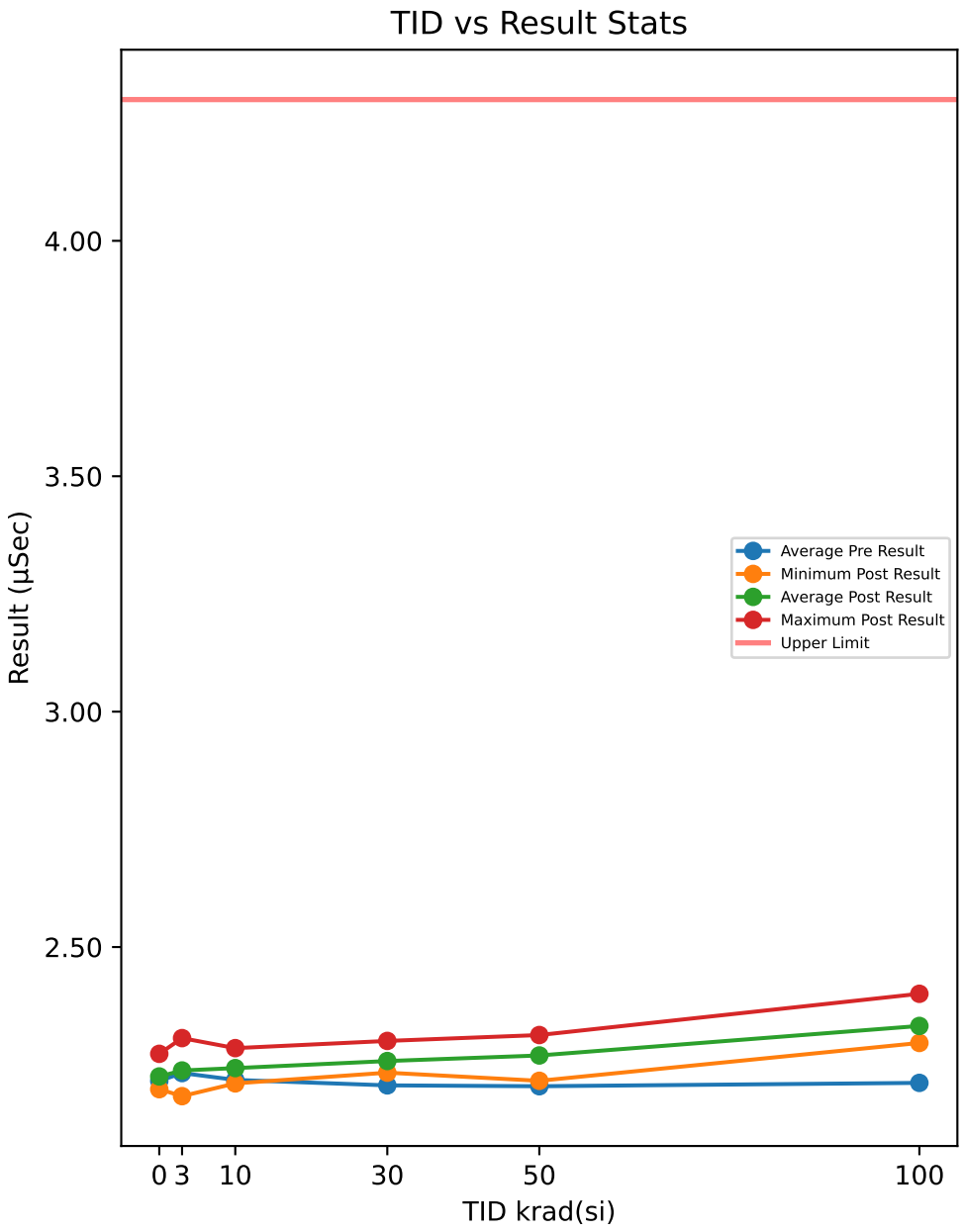
Test Results (Upper Limit = 2.0 (µSec))

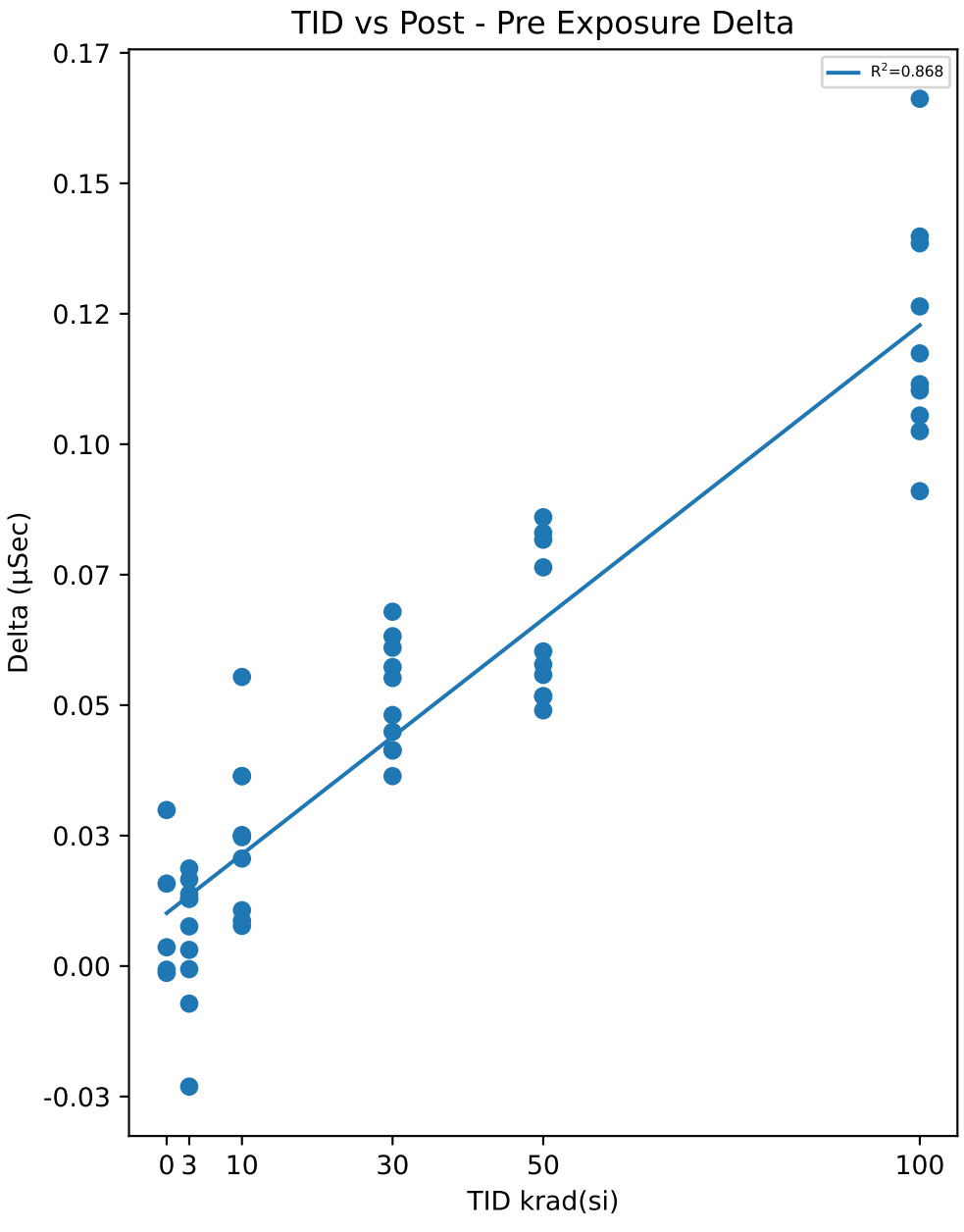
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.2056	1.2108	0.0052
2	3	Biased	1.201	1.2062	0.0052
3	3	Biased	1.1874	1.1905	0.0031
4	3	Biased	1.1665	1.1711	0.0046
5	3	Biased	1.176	1.1787	0.0027
6	3	Unbiased	1.169	1.1718	0.0028
7	3	Unbiased	1.1764	1.1791	0.0027
8	3	Unbiased	1.1824	1.1863	0.0039
9	3	Unbiased	1.1686	1.1724	0.0038
10	3	Unbiased	1.1673	1.1692	0.0019
11	10	Biased	1.1649	1.1684	0.0035
12	10	Biased	1.1838	1.1834	-0.0004
13	10	Biased	1.1655	1.1659	0.0004
14	10	Biased	1.1605	1.1602	-0.0003
15	10	Biased	1.1842	1.1836	-0.0006
16	10	Unbiased	1.1711	1.1689	-0.0022
17	10	Unbiased	1.1991	1.1973	-0.0018
18	10	Unbiased	1.1769	1.1748	-0.0021
19	10	Unbiased	1.1673	1.1661	-0.0012
20	10	Unbiased	1.1782	1.1768	-0.0014
21	30	Biased	1.1657	1.1589	-0.0068
22	30	Biased	1.1629	1.157	-0.0059
23	30	Biased	1.1996	1.1939	-0.0057
24	30	Biased	1.159	1.1535	-0.0055
25	30	Biased	1.1641	1.1574	-0.0067
26	30	Unbiased	1.1715	1.169	-0.0025
27	30	Unbiased	1.1702	1.1664	-0.0038
28	30	Unbiased	1.1687	1.164	-0.0047
29	30	Unbiased	1.1707	1.1652	-0.0055
30	30	Unbiased	1.155	1.1512	-0.0038
31	50	Biased	1.1638	1.1605	-0.0033
32	50	Biased	1.1669	1.1629	-0.004
33	50	Biased	1.1681	1.1635	-0.0046
34	50	Biased	1.1684	1.165	-0.0034
35	50	Biased	1.1812	1.1788	-0.0024
36	50	Unbiased	1.1695	1.1677	-0.0018
37	50	Unbiased	1.1771	1.1718	-0.0053
38	50	Unbiased	1.18	1.1763	-0.0037
39	50	Unbiased	1.1645	1.1652	0.0007
40	50	Unbiased	1.1606	1.1576	-0.003
41	100	Biased	1.2038	1.2073	0.0035
42	100	Biased	1.1685	1.1764	0.0079
43	100	Biased	1.1703	1.1761	0.0058
44	100	Biased	1.1556	1.1681	0.0125
45	100	Biased	1.1592	1.1658	0.0066
46	100	Unbiased	1.1645	1.1729	0.0084
47	100	Unbiased	1.1658	1.1735	0.0077
48	100	Unbiased	1.1617	1.1691	0.0074
49	100	Unbiased	1.1553	1.1659	0.0106
50	100	Unbiased	1.1561	1.1643	0.0082
51	0	Correlation	1.1688	1.175	0.0062
53	0	Correlation	1.1925	1.1972	0.0047
54	0	Correlation	1.1697	1.1713	0.0016
55	0	Correlation	1.1742	1.177	0.0028
56	0	Correlation	1.1627	1.1659	0.0032

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.1627	1.1736	1.1925	0.011343	1.1659	1.1773	1.1972	0.01191	0.0016	0.0037	0.0062	0.0017833
3	1.1665	1.18	1.2056	0.014065	1.1692	1.1836	1.2108	0.014825	0.0019	0.00359	0.0052	0.0011377
10	1.1605	1.1751	1.1991	0.011707	1.1602	1.1745	1.1973	0.01108	-0.0022	-0.00061	0.0035	0.001673
30	1.155	1.1687	1.1996	0.012085	1.1512	1.1637	1.1939	0.0121	-0.0068	-0.00509	-0.0025	0.0013772
50	1.1606	1.17	1.1812	0.0070626	1.1576	1.1669	1.1788	0.0067997	-0.0053	-0.00308	0.0007	0.0016672
100	1.1553	1.1661	1.2038	0.014303	1.1643	1.1739	1.2073	0.0125	0.0035	0.00786	0.0125	0.0024613

Device Test: 5.11; PROPD_RESET





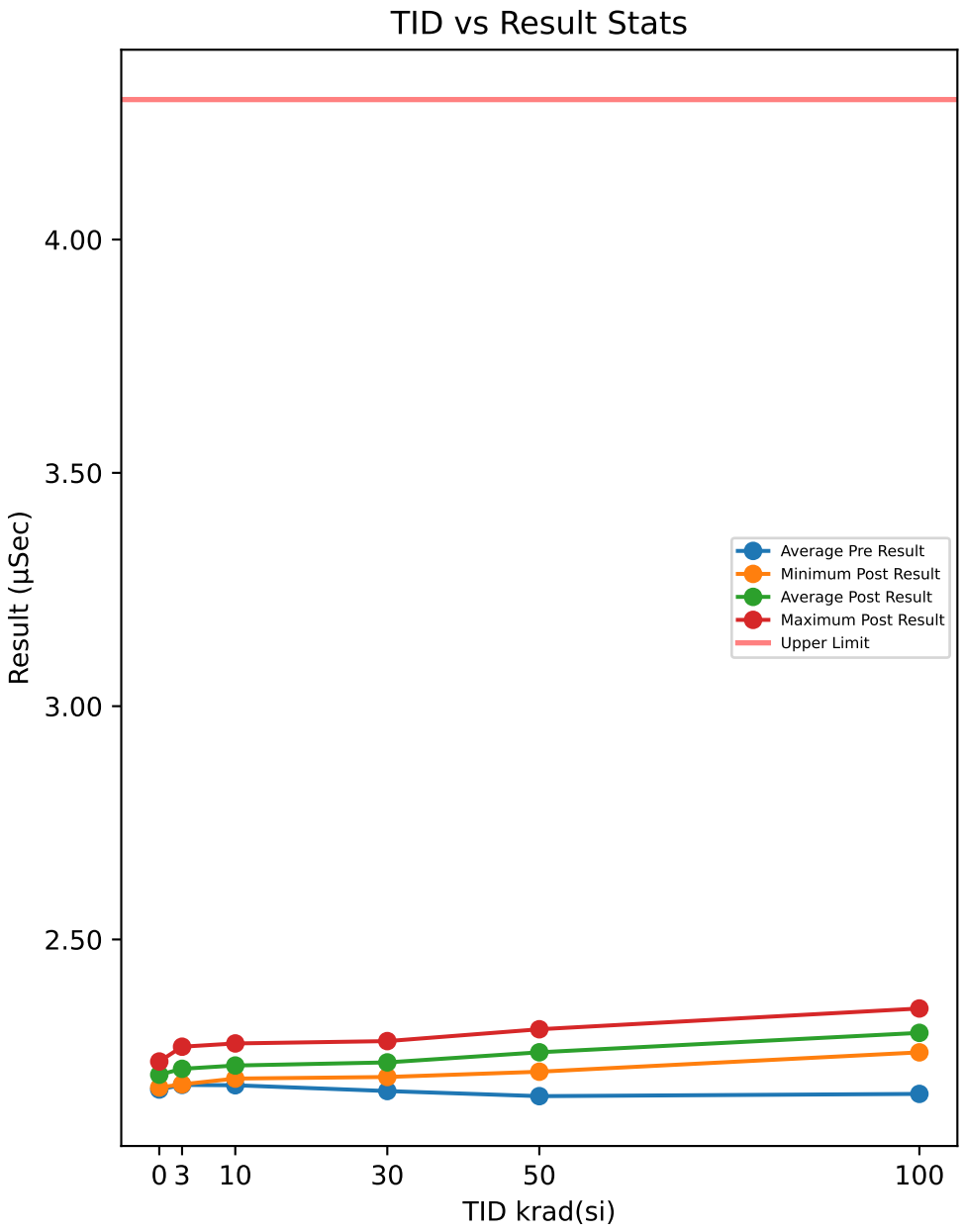
Test Results (Upper Limit = 4.3 (µSec))

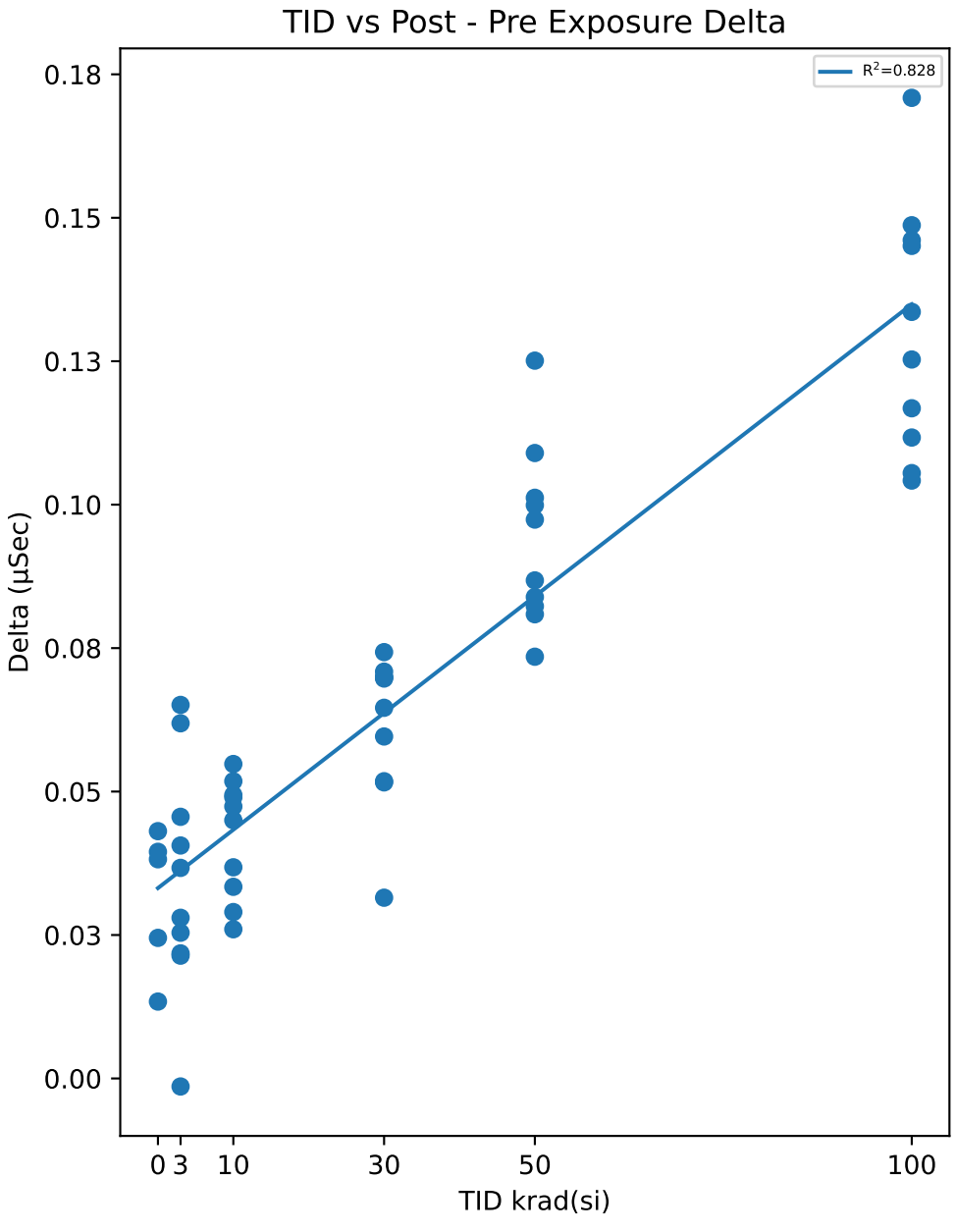
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.2741	2.2907	0.0166
2	3	Biased	2.3035	2.3066	0.0031
3	3	Biased	2.2489	2.2618	0.0129
4	3	Biased	2.2064	2.1833	-0.0231
5	3	Biased	2.2167	2.2095	-0.0072
6	3	Unbiased	2.2243	2.2372	0.0129
7	3	Unbiased	2.2174	2.2312	0.0138
8	3	Unbiased	2.2535	2.2611	0.0076
9	3	Unbiased	2.1958	2.1952	-0.0006
10	3	Unbiased	2.1827	2.2014	0.0187
11	10	Biased	2.2108	2.2355	0.0247
12	10	Biased	2.2044	2.2598	0.0554
13	10	Biased	2.2015	2.2266	0.0251
14	10	Biased	2.2255	2.2332	0.0077
15	10	Biased	2.2676	2.2763	0.0087
16	10	Unbiased	2.1997	2.2104	0.0107
17	10	Unbiased	2.2489	2.2853	0.0364
18	10	Unbiased	2.1897	2.2146	0.0249
19	10	Unbiased	2.2057	2.2263	0.0206
20	10	Unbiased	2.2244	2.2608	0.0364
21	30	Biased	2.2091	2.2643	0.0552
22	30	Biased	2.2016	2.2626	0.061
23	30	Biased	2.2593	2.3006	0.0413
24	30	Biased	2.1851	2.2332	0.0481
25	30	Biased	2.1954	2.2403	0.0449
26	30	Unbiased	2.2039	2.2403	0.0364
27	30	Unbiased	2.2189	2.2762	0.0573
28	30	Unbiased	2.2024	2.2703	0.0679
29	30	Unbiased	2.2119	2.2533	0.0414
30	30	Unbiased	2.1745	2.2377	0.0632
31	50	Biased	2.1965	2.2482	0.0517
32	50	Biased	2.1762	2.2526	0.0764
33	50	Biased	2.2028	2.2845	0.0817
34	50	Biased	2.1965	2.2795	0.083
35	50	Biased	2.2496	2.3074	0.0578
36	50	Unbiased	2.2144	2.2702	0.0558
37	50	Unbiased	2.2271	2.3131	0.086
38	50	Unbiased	2.2155	2.2672	0.0517
39	50	Unbiased	2.1983	2.2586	0.0603
40	50	Unbiased	2.1669	2.2159	0.049
41	100	Biased	2.2622	2.4007	0.1385
42	100	Biased	2.1935	2.3597	0.1662
43	100	Biased	2.2342	2.374	0.1398
44	100	Biased	2.1881	2.2996	0.1115
45	100	Biased	2.2219	2.3129	0.091
46	100	Unbiased	2.2308	2.3363	0.1055
47	100	Unbiased	2.2108	2.3133	0.1025
48	100	Unbiased	2.186	2.2963	0.1103
49	100	Unbiased	2.2085	2.3349	0.1264
50	100	Unbiased	2.179	2.2964	0.1174
51	0	Correlation	2.2294	2.2287	-0.0007
53	0	Correlation	2.2433	2.2732	0.0299
54	0	Correlation	2.2166	2.2202	0.0036
55	0	Correlation	2.1994	2.1981	-0.0013
56	0	Correlation	2.1896	2.2054	0.0158

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	2.1896	2.2157	2.2433	0.021778	2.1981	2.2251	2.2732	0.029443	-0.0013	0.00946	0.0299	0.013335
3	2.1827	2.2323	2.3035	0.037319	2.1833	2.2378	2.3066	0.041641	-0.0231	0.00547	0.0187	0.012921
10	2.1897	2.2178	2.2676	0.024285	2.2104	2.2429	2.2853	0.025963	0.0077	0.02506	0.0554	0.014806
30	2.1745	2.2062	2.2593	0.02268	2.2332	2.2579	2.3006	0.021171	0.0364	0.05167	0.0679	0.01071
50	2.1669	2.2044	2.2496	0.023916	2.2159	2.2697	2.3131	0.028672	0.049	0.06534	0.086	0.014686
100	2.179	2.2115	2.2622	0.026149	2.2963	2.3324	2.4007	0.035874	0.091	0.12091	0.1662	0.022191

Device Test: 5.12; PROPD_RESET





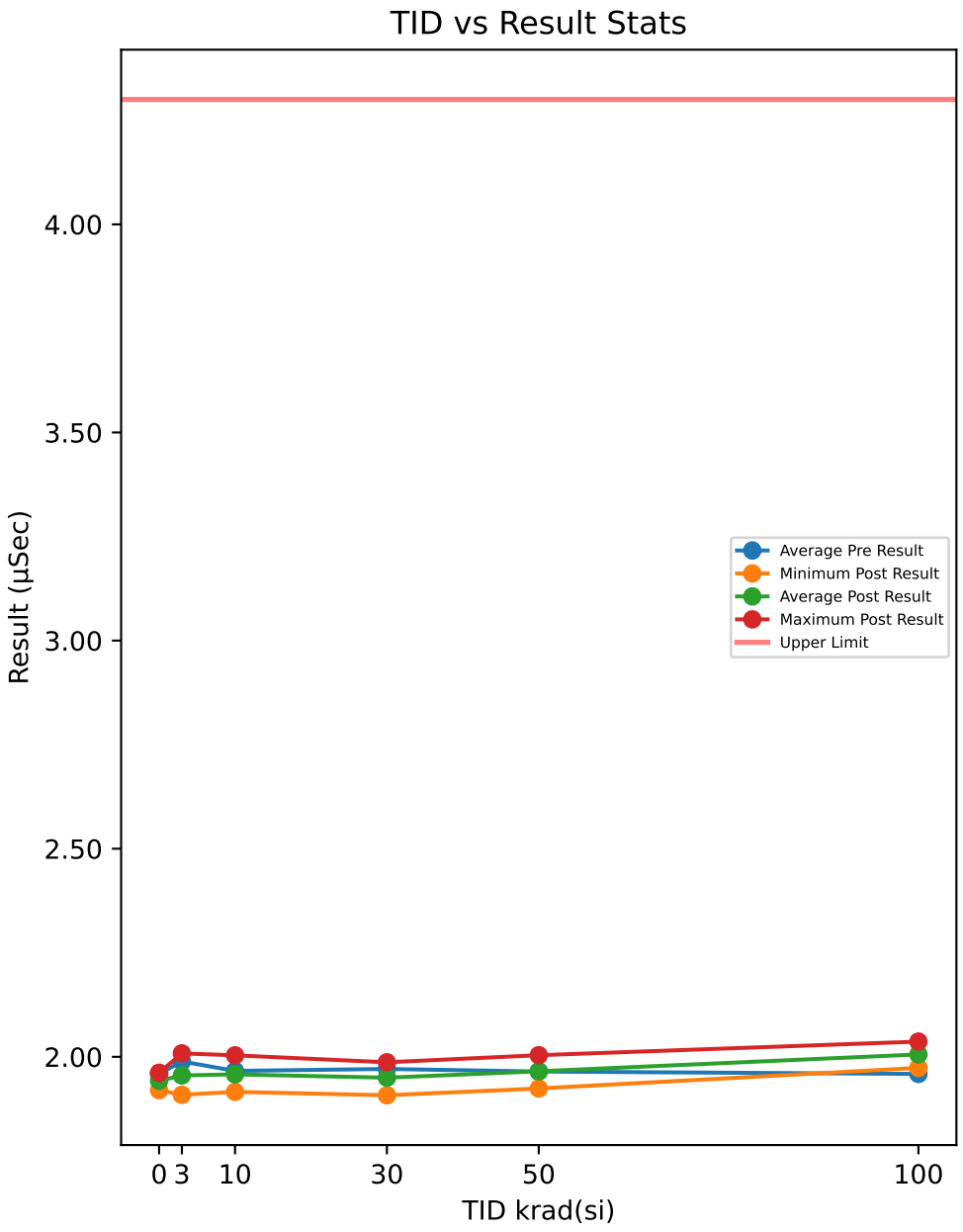
Test Results (Upper Limit = 4.3 (µSec))

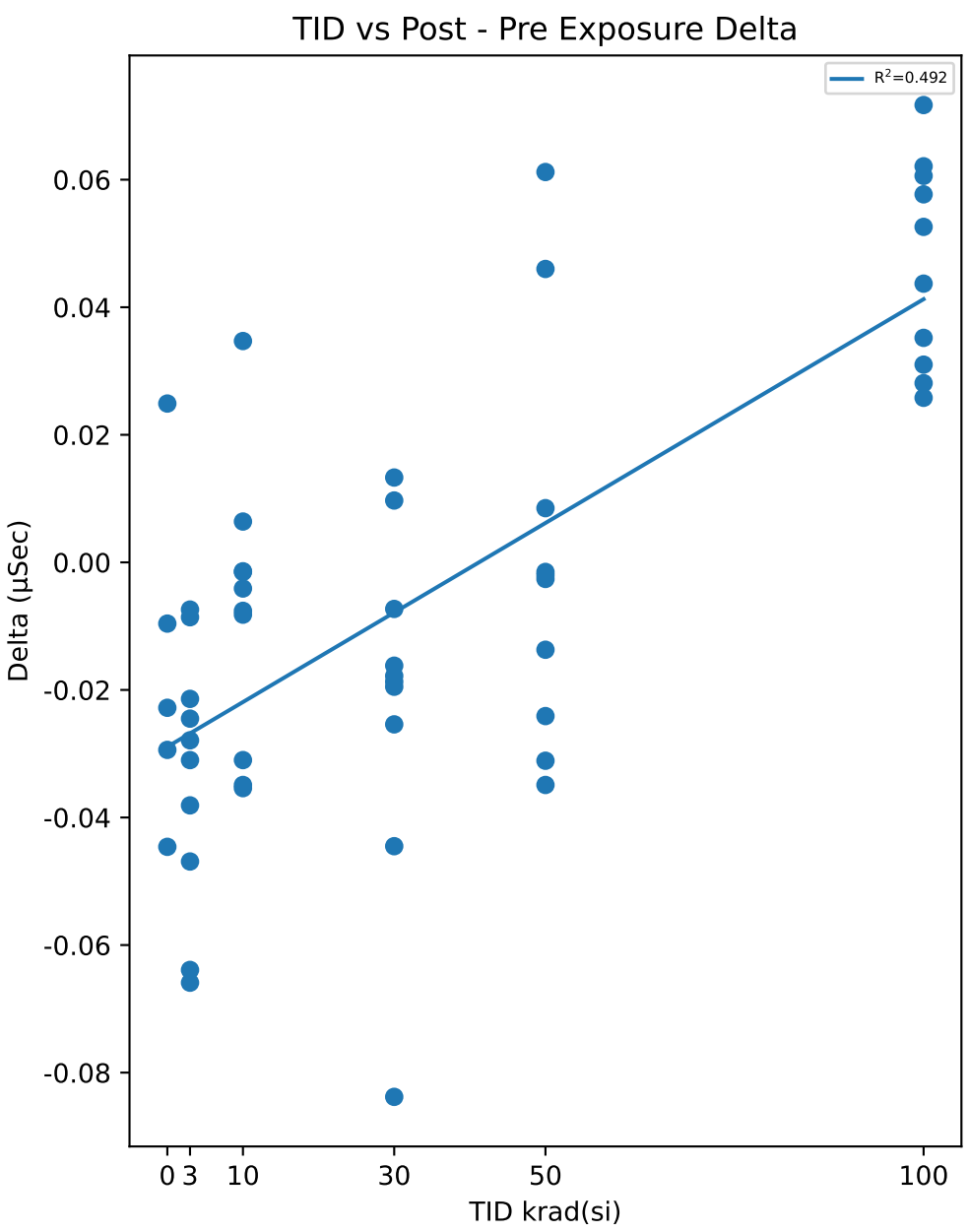
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.2296	2.2702	0.0406
2	3	Biased	2.2271	2.2638	0.0367
3	3	Biased	2.2244	2.223	-0.0014
4	3	Biased	2.159	2.2241	0.0651
5	3	Biased	2.1879	2.2498	0.0619
6	3	Unbiased	2.1644	2.1924	0.028
7	3	Unbiased	2.1714	2.1932	0.0218
8	3	Unbiased	2.1951	2.2165	0.0214
9	3	Unbiased	2.1642	2.1896	0.0254
10	3	Unbiased	2.16	2.2056	0.0456
11	10	Biased	2.1578	2.2068	0.049
12	10	Biased	2.2197	2.2487	0.029
13	10	Biased	2.1599	2.2093	0.0494
14	10	Biased	2.1815	2.2183	0.0368
15	10	Biased	2.1969	2.2443	0.0474
16	10	Unbiased	2.1759	2.2019	0.026
17	10	Unbiased	2.2224	2.2772	0.0548
18	10	Unbiased	2.2057	2.2391	0.0334
19	10	Unbiased	2.1576	2.2026	0.045
20	10	Unbiased	2.1986	2.2504	0.0518
21	30	Biased	2.1353	2.2053	0.07
22	30	Biased	2.1569	2.2087	0.0518
23	30	Biased	2.2152	2.2748	0.0596
24	30	Biased	2.1811	2.2327	0.0516
25	30	Biased	2.1579	2.2288	0.0709
26	30	Unbiased	2.1909	2.2555	0.0646
27	30	Unbiased	2.176	2.2503	0.0743
28	30	Unbiased	2.2123	2.2822	0.0699
29	30	Unbiased	2.138	2.2077	0.0697
30	30	Unbiased	2.1882	2.2197	0.0315
31	50	Biased	2.1343	2.2166	0.0823
32	50	Biased	2.1631	2.247	0.0839
33	50	Biased	2.1419	2.2287	0.0868
34	50	Biased	2.1549	2.2358	0.0809
35	50	Biased	2.1977	2.2976	0.0999
36	50	Unbiased	2.2019	2.3031	0.1012
37	50	Unbiased	2.1986	2.3076	0.109
38	50	Unbiased	2.1686	2.2421	0.0735
39	50	Unbiased	2.155	2.2801	0.1251
40	50	Unbiased	2.1263	2.2237	0.0974
41	100	Biased	2.2268	2.3521	0.1253
42	100	Biased	2.1449	2.2617	0.1168
43	100	Biased	2.185	2.2967	0.1117
44	100	Biased	2.1605	2.266	0.1055
45	100	Biased	2.1539	2.2581	0.1042
46	100	Unbiased	2.172	2.3181	0.1461
47	100	Unbiased	2.1919	2.337	0.1451
48	100	Unbiased	2.1625	2.3112	0.1487
49	100	Unbiased	2.1275	2.2984	0.1709
50	100	Unbiased	2.1659	2.2995	0.1336
51	0	Correlation	2.1695	2.209	0.0395
53	0	Correlation	2.1954	2.2385	0.0431
54	0	Correlation	2.164	2.2022	0.0382
55	0	Correlation	2.205	2.2184	0.0134
56	0	Correlation	2.1583	2.1828	0.0245

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	2.1583	2.1784	2.205	0.020537	2.1828	2.2102	2.2385	0.02052	0.0134	0.03174	0.0431	0.012448
3	2.159	2.1883	2.2296	0.02917	2.1896	2.2228	2.2702	0.029621	-0.0014	0.03451	0.0651	0.019998
10	2.1576	2.1876	2.2224	0.024734	2.2019	2.2299	2.2772	0.025658	0.026	0.04226	0.0548	0.01015
30	2.1353	2.1752	2.2152	0.027963	2.2053	2.2366	2.2822	0.027965	0.0315	0.06139	0.0743	0.013197
50	2.1263	2.1642	2.2019	0.027379	2.2166	2.2582	2.3076	0.035223	0.0735	0.094	0.1251	0.015539
100	2.1275	2.1691	2.2268	0.027458	2.2581	2.2999	2.3521	0.031497	0.1042	0.13079	0.1709	0.021893

Device Test: 5.13; PROPD_PWRGD





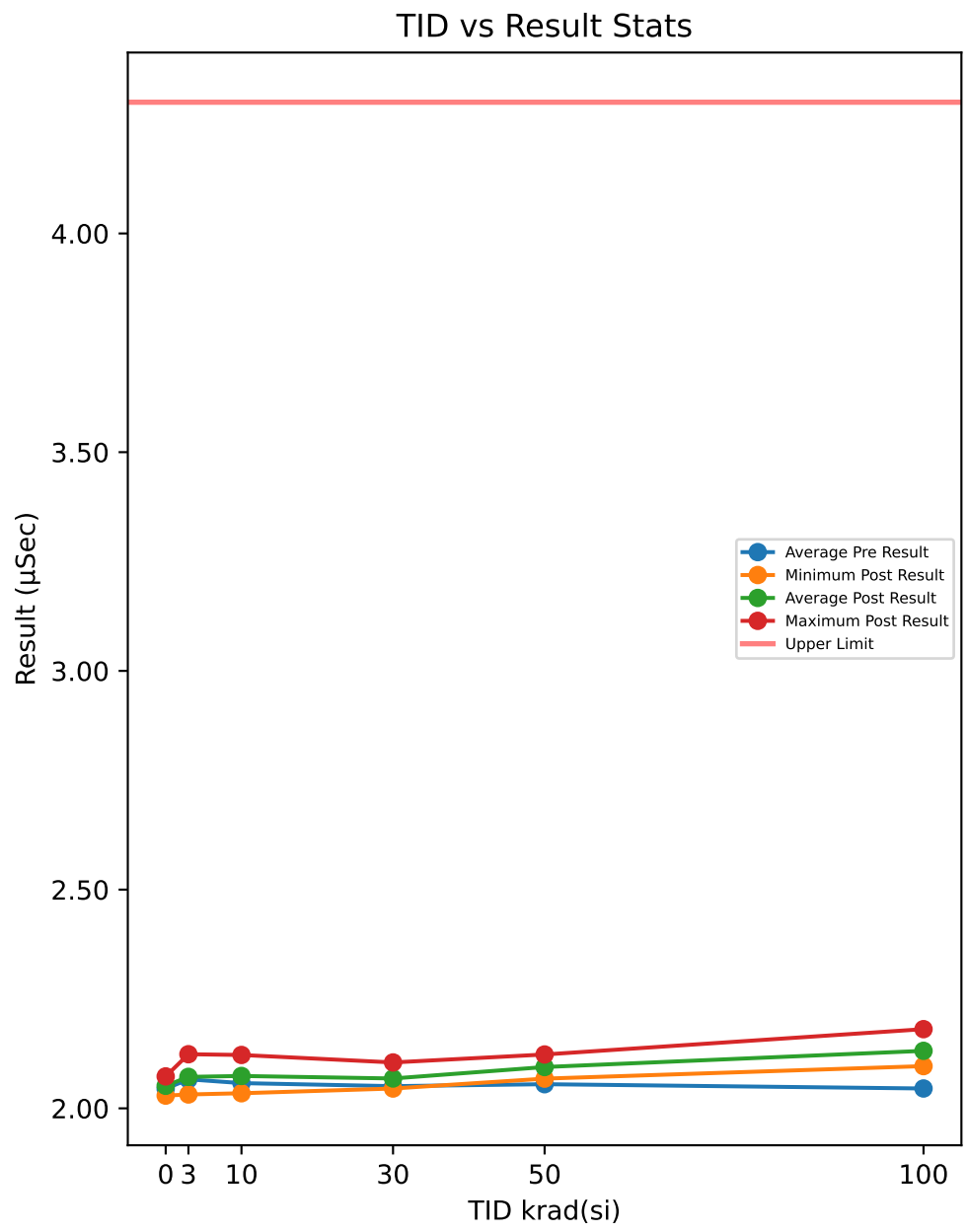
Test Results (Upper Limit = 4.3 (µSec))

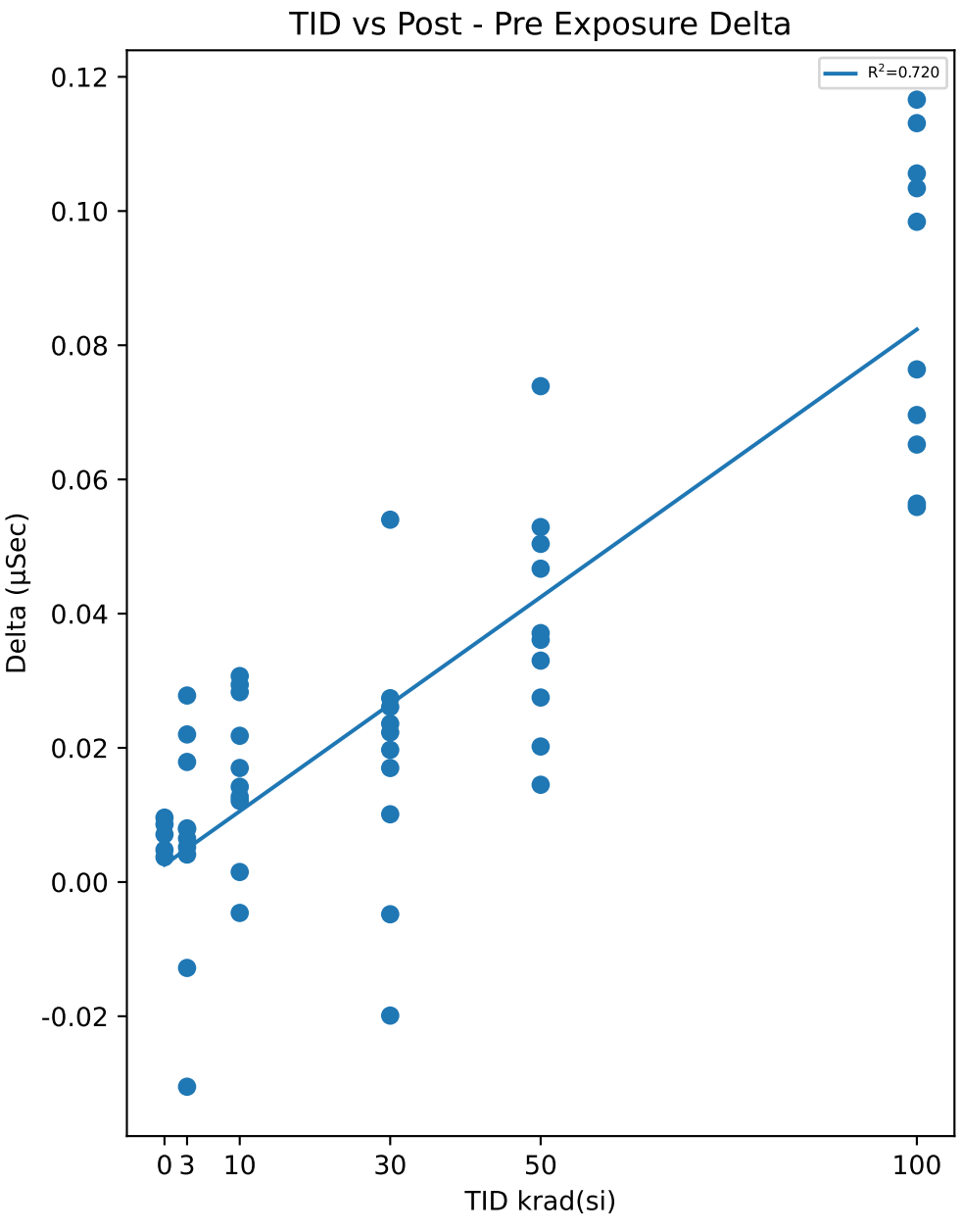
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.0169	2.0083	-0.0086
2	3	Biased	2.0015	1.9705	-0.031
3	3	Biased	2.023	1.9849	-0.0381
4	3	Biased	1.971	1.9496	-0.0214
5	3	Biased	1.9865	1.962	-0.0245
6	3	Unbiased	1.9746	1.9087	-0.0659
7	3	Unbiased	1.9706	1.9237	-0.0469
8	3	Unbiased	1.9888	1.9249	-0.0639
9	3	Unbiased	1.9607	1.9533	-0.0074
10	3	Unbiased	1.9948	1.9669	-0.0279
11	10	Biased	1.9654	1.9305	-0.0349
12	10	Biased	1.988	1.9865	-0.0015
13	10	Biased	1.9499	1.9485	-0.0014
14	10	Biased	1.9234	1.9158	-0.0076
15	10	Biased	1.9906	1.9824	-0.0082
16	10	Unbiased	1.9302	1.9366	0.0064
17	10	Unbiased	2.0346	2.0036	-0.031
18	10	Unbiased	1.9608	1.9567	-0.0041
19	10	Unbiased	1.9339	1.9686	0.0347
20	10	Unbiased	1.9846	1.9492	-0.0354
21	30	Biased	1.9554	1.9376	-0.0178
22	30	Biased	1.95	1.9313	-0.0187
23	30	Biased	2.0167	1.9722	-0.0445
24	30	Biased	1.9914	1.9076	-0.0838
25	30	Biased	1.9508	1.9605	0.0097
26	30	Unbiased	1.9735	1.9868	0.0133
27	30	Unbiased	1.9805	1.961	-0.0195
28	30	Unbiased	1.9934	1.9861	-0.0073
29	30	Unbiased	1.9497	1.9335	-0.0162
30	30	Unbiased	1.947	1.9216	-0.0254
31	50	Biased	1.9588	1.9239	-0.0349
32	50	Biased	1.9475	1.956	0.0085
33	50	Biased	1.9663	1.9526	-0.0137
34	50	Biased	1.9624	1.9598	-0.0026
35	50	Biased	1.9856	1.9836	-0.002
36	50	Unbiased	1.9935	1.9624	-0.0311
37	50	Unbiased	1.9822	1.9581	-0.0241
38	50	Unbiased	1.9741	1.9726	-0.0015
39	50	Unbiased	1.9579	2.0039	0.046
40	50	Unbiased	1.9183	1.9795	0.0612
41	100	Biased	2.0014	2.0366	0.0352
42	100	Biased	1.9504	2.0081	0.0577
43	100	Biased	1.9718	1.9976	0.0258
44	100	Biased	1.9553	1.9863	0.031
45	100	Biased	1.9059	1.9776	0.0717
46	100	Unbiased	1.977	2.0296	0.0526
47	100	Unbiased	1.9927	2.0364	0.0437
48	100	Unbiased	1.9453	1.9734	0.0281
49	100	Unbiased	1.935	1.9971	0.0621
50	100	Unbiased	1.954	2.0146	0.0606
51	0	Correlation	1.9709	1.9415	-0.0294
53	0	Correlation	1.9844	1.9616	-0.0228
54	0	Correlation	1.9295	1.9199	-0.0096
55	0	Correlation	1.9859	1.9413	-0.0446
56	0	Correlation	1.9235	1.9484	0.0249

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	1.9235	1.9588	1.9859	0.030169	1.9199	1.9425	1.9616	0.015106	-0.0446	-0.0163	0.0249	0.026254
3	1.9607	1.9888	2.023	0.020551	1.9087	1.9553	2.0083	0.030233	-0.0659	-0.03356	-0.0074	0.020387
10	1.9234	1.9661	2.0346	0.034245	1.9158	1.9578	2.0036	0.027414	-0.0354	-0.0083	0.0347	0.021433
30	1.947	1.9708	2.0167	0.024094	1.9076	1.9498	1.9868	0.027409	-0.0838	-0.02102	0.0133	0.027614
50	1.9183	1.9647	1.9935	0.021599	1.9239	1.9652	2.0039	0.021427	-0.0349	0.00058	0.0612	0.031441
100	1.9059	1.9589	2.0014	0.028121	1.9734	2.0057	2.0366	0.023339	0.0258	0.04685	0.0717	0.016267

Device Test: 5.14; PROPD_RESET





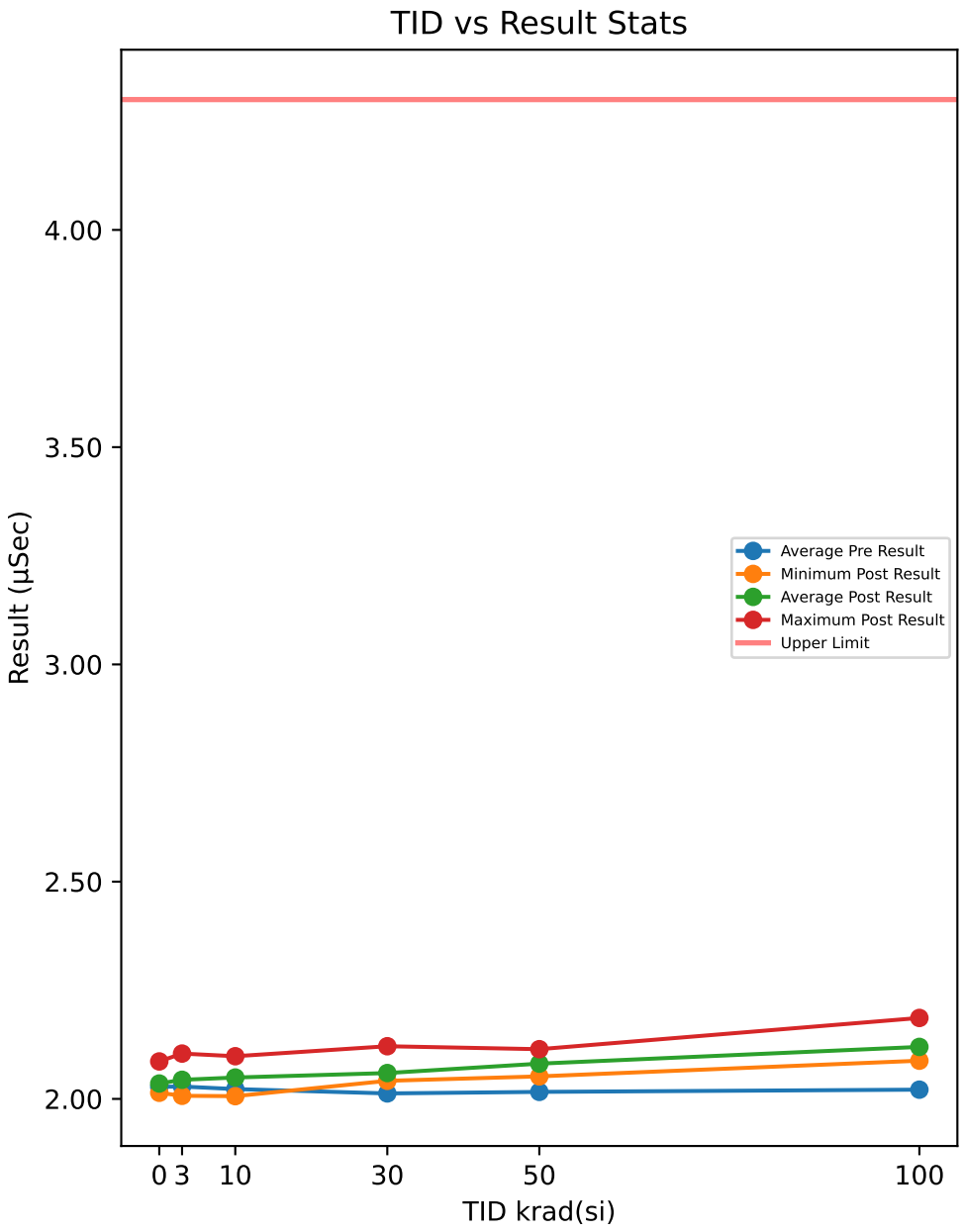
Test Results (Upper Limit = 4.3 (µSec))

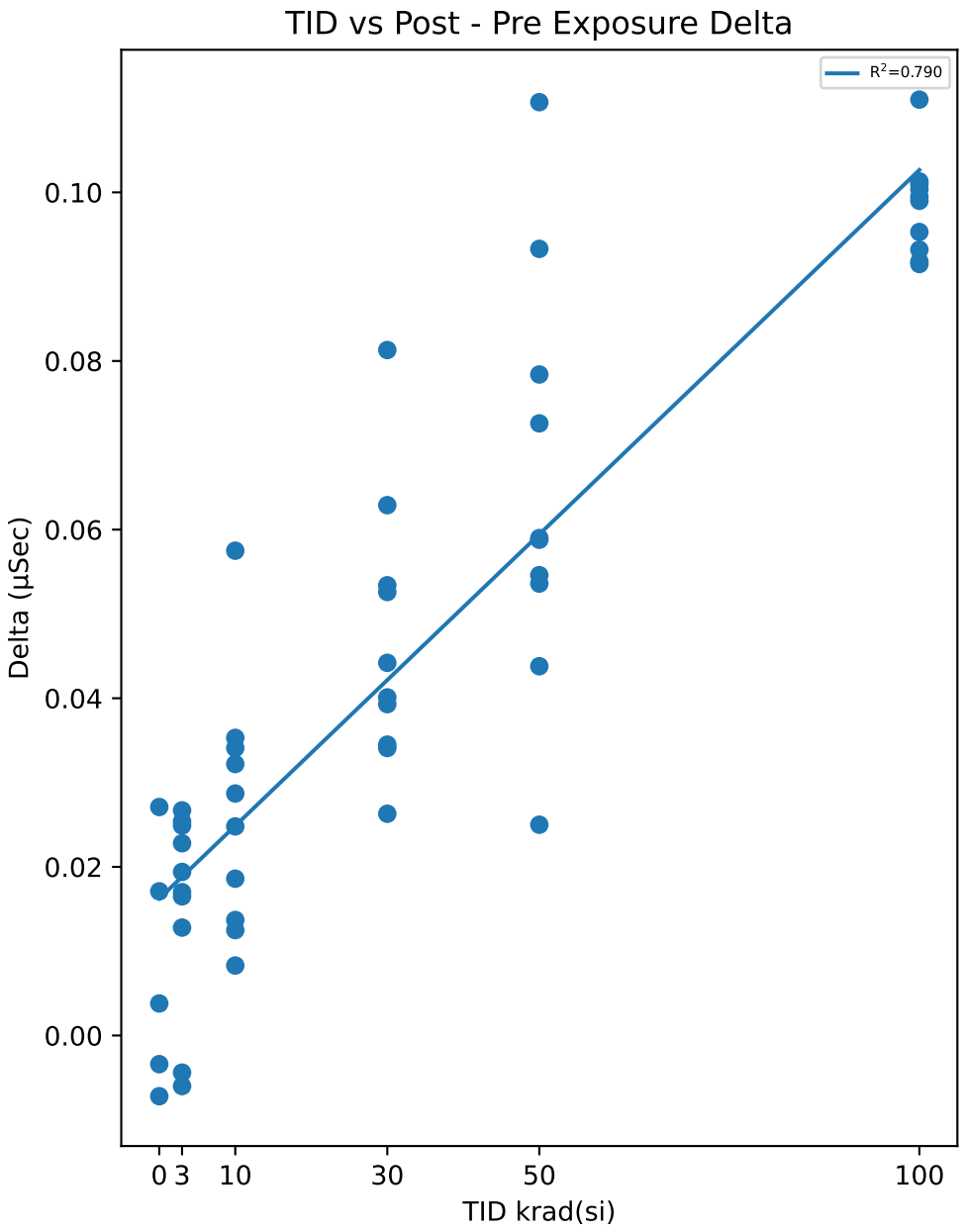
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.0937	2.1116	0.0179
2	3	Biased	2.1157	2.1237	0.008
3	3	Biased	2.1087	2.0782	-0.0305
4	3	Biased	2.0445	2.0317	-0.0128
5	3	Biased	2.0593	2.0813	0.022
6	3	Unbiased	2.0454	2.0506	0.0052
7	3	Unbiased	2.0409	2.0488	0.0079
8	3	Unbiased	2.0645	2.071	0.0065
9	3	Unbiased	2.0552	2.0593	0.0041
10	3	Unbiased	2.0352	2.063	0.0278
11	10	Biased	2.0224	2.0345	0.0121
12	10	Biased	2.076	2.0714	-0.0046
13	10	Biased	2.0387	2.0402	0.0015
14	10	Biased	2.0195	2.0489	0.0294
15	10	Biased	2.0838	2.1008	0.017
16	10	Unbiased	2.045	2.0757	0.0307
17	10	Unbiased	2.1002	2.122	0.0218
18	10	Unbiased	2.0804	2.1087	0.0283
19	10	Unbiased	2.0471	2.0613	0.0142
20	10	Unbiased	2.0635	2.0762	0.0127
21	30	Biased	2.0299	2.056	0.0261
22	30	Biased	2.0501	2.0453	-0.0048
23	30	Biased	2.0981	2.0782	-0.0199
24	30	Biased	2.0328	2.0564	0.0236
25	30	Biased	2.0344	2.0567	0.0223
26	30	Unbiased	2.0641	2.0811	0.017
27	30	Unbiased	2.0584	2.0858	0.0274
28	30	Unbiased	2.0509	2.1049	0.054
29	30	Unbiased	2.0363	2.056	0.0197
30	30	Unbiased	2.0521	2.0622	0.0101
31	50	Biased	2.0498	2.07	0.0202
32	50	Biased	2.0308	2.0679	0.0371
33	50	Biased	2.0336	2.0803	0.0467
34	50	Biased	2.0635	2.0996	0.0361
35	50	Biased	2.0831	2.1106	0.0275
36	50	Unbiased	2.0788	2.1118	0.033
37	50	Unbiased	2.0702	2.1231	0.0529
38	50	Unbiased	2.0702	2.0847	0.0145
39	50	Unbiased	2.0342	2.0846	0.0504
40	50	Unbiased	2.0376	2.1115	0.0739
41	100	Biased	2.1246	2.181	0.0564
42	100	Biased	2.0454	2.1106	0.0652
43	100	Biased	2.0418	2.1182	0.0764
44	100	Biased	1.9981	2.0965	0.0984
45	100	Biased	2.048	2.1039	0.0559
46	100	Unbiased	2.0187	2.1353	0.1166
47	100	Unbiased	2.0429	2.156	0.1131
48	100	Unbiased	2.0529	2.1225	0.0696
49	100	Unbiased	2.0425	2.1459	0.1034
50	100	Unbiased	2.0388	2.1444	0.1056
51	0	Correlation	2.06	2.0637	0.0037
53	0	Correlation	2.0682	2.073	0.0048
54	0	Correlation	2.0302	2.0388	0.0086
55	0	Correlation	2.046	2.0531	0.0071
56	0	Correlation	2.0195	2.0291	0.0096

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	2.0195	2.0448	2.0682	0.020207	2.0291	2.0515	2.073	0.017865	0.0037	0.00676	0.0096	0.0024886
3	2.0352	2.0663	2.1157	0.029229	2.0317	2.0719	2.1237	0.028342	-0.0305	0.00561	0.0278	0.016896
10	2.0195	2.0577	2.1002	0.027307	2.0345	2.074	2.122	0.029316	-0.0046	0.01631	0.0307	0.011759
30	2.0299	2.0507	2.0981	0.020314	2.0453	2.0683	2.1049	0.018417	-0.0199	0.01755	0.054	0.019777
50	2.0308	2.0552	2.0831	0.020265	2.0679	2.0944	2.1231	0.019422	0.0145	0.03923	0.0739	0.017429
100	1.9981	2.0454	2.1246	0.032244	2.0965	2.1314	2.181	0.026077	0.0559	0.08606	0.1166	0.023775

Device Test: 5.15; PROPD_RESET





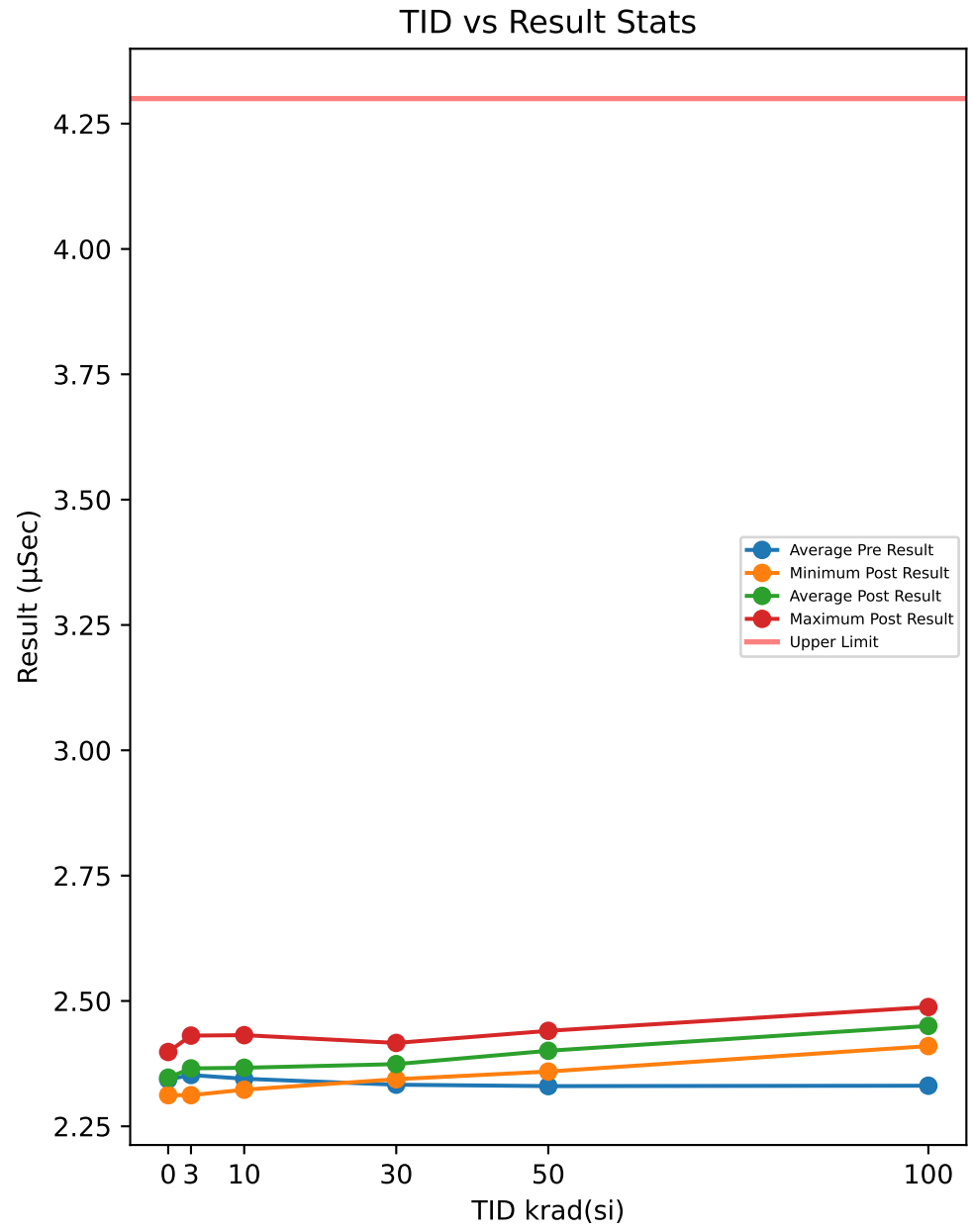
Test Results (Upper Limit = 4.3 (µSec))

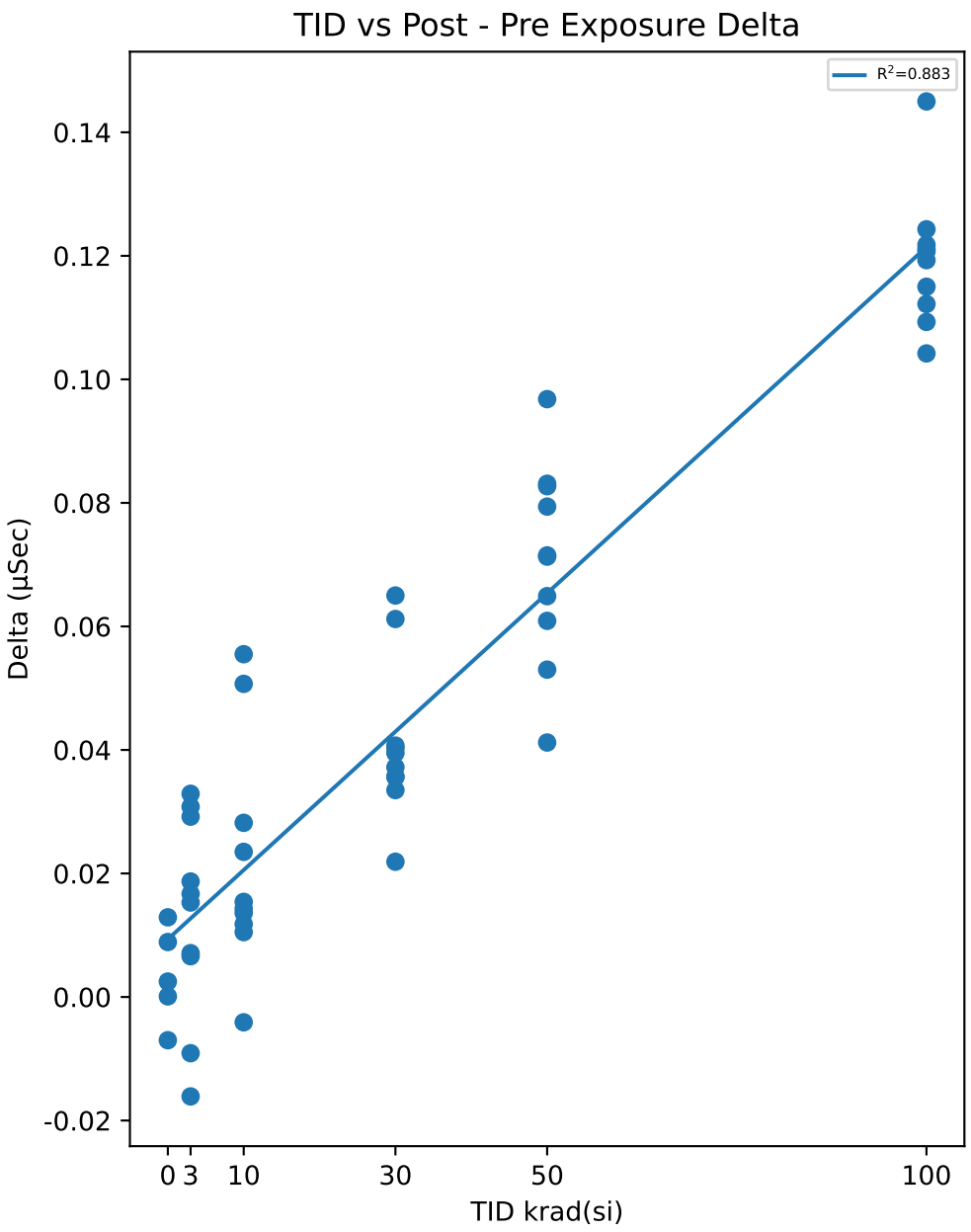
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.0794	2.1043	0.0249
2	3	Biased	2.0681	2.0935	0.0254
3	3	Biased	2.0464	2.0629	0.0165
4	3	Biased	2.0092	2.0286	0.0194
5	3	Biased	2.0172	2.0342	0.017
6	3	Unbiased	1.9966	2.0233	0.0267
7	3	Unbiased	2.0131	2.0071	-0.006
8	3	Unbiased	2.0221	2.0449	0.0228
9	3	Unbiased	2.0083	2.0211	0.0128
10	3	Unbiased	2.0238	2.0194	-0.0044
11	10	Biased	1.9929	2.0216	0.0287
12	10	Biased	2.0371	2.0693	0.0322
13	10	Biased	1.971	2.0063	0.0353
14	10	Biased	2.0074	2.0199	0.0125
15	10	Biased	2.0241	2.0816	0.0575
16	10	Unbiased	2.0165	2.0302	0.0137
17	10	Unbiased	2.0641	2.0982	0.0341
18	10	Unbiased	2.0714	2.0797	0.0083
19	10	Unbiased	2.0238	2.0486	0.0248
20	10	Unbiased	2.0178	2.0364	0.0186
21	30	Biased	2.0064	2.0465	0.0401
22	30	Biased	1.9859	2.0488	0.0629
23	30	Biased	2.0871	2.1212	0.0341
24	30	Biased	1.997	2.0496	0.0526
25	30	Biased	1.9945	2.0479	0.0534
26	30	Unbiased	2.0208	2.0601	0.0393
27	30	Unbiased	1.9906	2.0719	0.0813
28	30	Unbiased	2.0188	2.0533	0.0345
29	30	Unbiased	2.0097	2.0539	0.0442
30	30	Unbiased	2.0153	2.0416	0.0263
31	50	Biased	2.0022	2.061	0.0588
32	50	Biased	1.9982	2.0518	0.0536
33	50	Biased	1.9789	2.0896	0.1107
34	50	Biased	2.0205	2.0931	0.0726
35	50	Biased	2.0327	2.0917	0.059
36	50	Unbiased	2.0706	2.1144	0.0438
37	50	Unbiased	2.0696	2.0946	0.025
38	50	Unbiased	2.0354	2.09	0.0546
39	50	Unbiased	1.9686	2.0619	0.0933
40	50	Unbiased	1.9846	2.063	0.0784
41	100	Biased	2.0945	2.1863	0.0918
42	100	Biased	2.0176	2.1129	0.0953
43	100	Biased	2.0212	2.1322	0.111
44	100	Biased	2.005	2.104	0.099
45	100	Biased	1.9964	2.0879	0.0915
46	100	Unbiased	2.0036	2.0968	0.0932
47	100	Unbiased	2.0335	2.133	0.0995
48	100	Unbiased	2.0076	2.1089	0.1013
49	100	Unbiased	2.0239	2.1243	0.1004
50	100	Unbiased	2.0091	2.1101	0.101
51	0	Correlation	2.0296	2.0262	-0.0034
53	0	Correlation	2.0591	2.0862	0.0271
54	0	Correlation	1.997	2.0141	0.0171
55	0	Correlation	2.0284	2.0322	0.0038
56	0	Correlation	2.0253	2.0181	-0.0072

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	1.997	2.0279	2.0591	0.022012	2.0141	2.0354	2.0862	0.029277	-0.0072	0.00748	0.0271	0.014361
3	1.9966	2.0284	2.0794	0.027295	2.0071	2.0439	2.1043	0.032825	-0.006	0.01551	0.0267	0.011781
10	1.971	2.0226	2.0714	0.030099	2.0063	2.0492	2.0982	0.031218	0.0083	0.02657	0.0575	0.014491
30	1.9859	2.0126	2.0871	0.028825	2.0416	2.0595	2.1212	0.023255	0.0263	0.04687	0.0813	0.016218
50	1.9686	2.0161	2.0706	0.035972	2.0518	2.0811	2.1144	0.02016	0.025	0.06498	0.1107	0.024695
100	1.9964	2.0212	2.0945	0.028014	2.0879	2.1196	2.1863	0.027542	0.0915	0.0984	0.111	0.0058435

Device Test: 5.16; PROPD_RESET





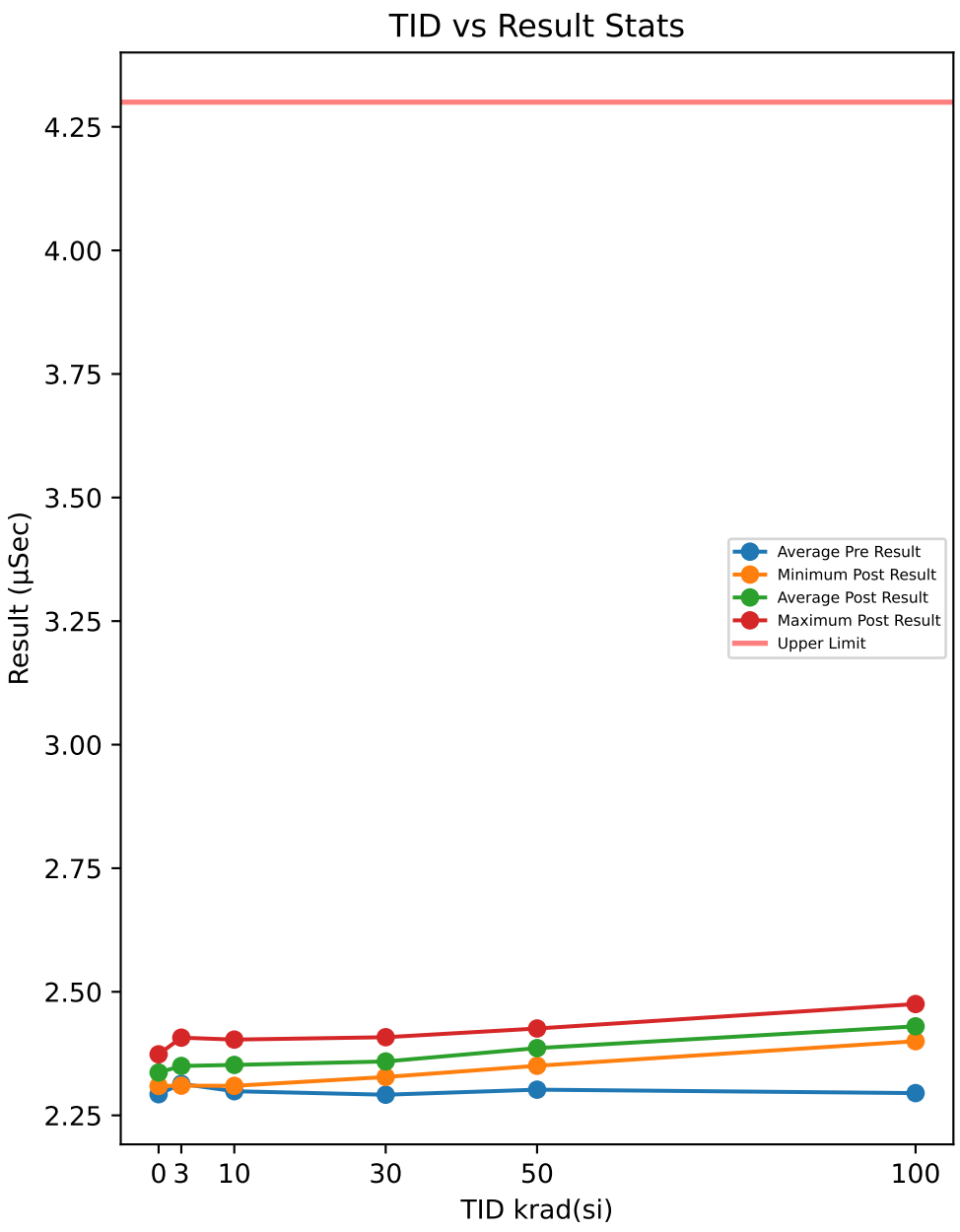
Test Results (Upper Limit = 4.3 (µSec))

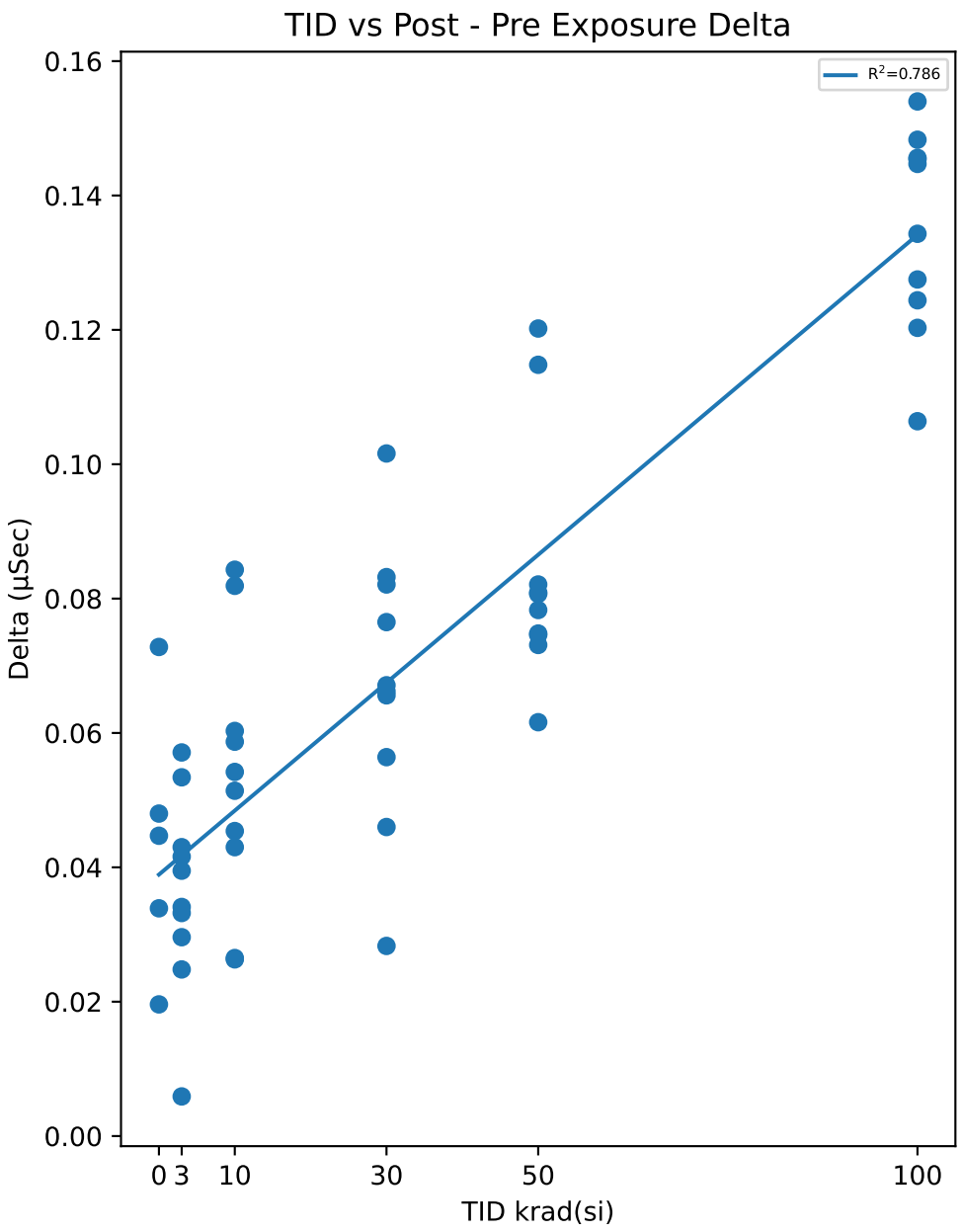
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.3801	2.413	0.0329
2	3	Biased	2.4156	2.4309	0.0153
3	3	Biased	2.3619	2.3806	0.0187
4	3	Biased	2.3035	2.3202	0.0167
5	3	Biased	2.3318	2.361	0.0292
6	3	Unbiased	2.3763	2.3602	-0.0161
7	3	Unbiased	2.3544	2.361	0.0066
8	3	Unbiased	2.3624	2.3695	0.0071
9	3	Unbiased	2.3156	2.3464	0.0308
10	3	Unbiased	2.3212	2.3121	-0.0091
11	10	Biased	2.3416	2.3552	0.0136
12	10	Biased	2.3565	2.3524	-0.0041
13	10	Biased	2.3208	2.3443	0.0235
14	10	Biased	2.3159	2.3441	0.0282
15	10	Biased	2.3787	2.3892	0.0105
16	10	Unbiased	2.3112	2.323	0.0118
17	10	Unbiased	2.3763	2.4318	0.0555
18	10	Unbiased	2.3246	2.3753	0.0507
19	10	Unbiased	2.3532	2.3686	0.0154
20	10	Unbiased	2.3694	2.3837	0.0143
21	30	Biased	2.3414	2.3821	0.0407
22	30	Biased	2.3132	2.3489	0.0357
23	30	Biased	2.376	2.4163	0.0403
24	30	Biased	2.3044	2.3439	0.0395
25	30	Biased	2.3482	2.3817	0.0335
26	30	Unbiased	2.3267	2.3623	0.0356
27	30	Unbiased	2.325	2.39	0.065
28	30	Unbiased	2.3542	2.3914	0.0372
29	30	Unbiased	2.3458	2.3677	0.0219
30	30	Unbiased	2.2948	2.356	0.0612
31	50	Biased	2.3214	2.3744	0.053
32	50	Biased	2.304	2.3753	0.0713
33	50	Biased	2.3232	2.4026	0.0794
34	50	Biased	2.3245	2.4072	0.0827
35	50	Biased	2.3675	2.439	0.0715
36	50	Unbiased	2.3423	2.4072	0.0649
37	50	Unbiased	2.3573	2.4404	0.0831
38	50	Unbiased	2.325	2.4218	0.0968
39	50	Unbiased	2.3183	2.3792	0.0609
40	50	Unbiased	2.318	2.3592	0.0412
41	100	Biased	2.3757	2.4879	0.1122
42	100	Biased	2.3232	2.4325	0.1093
43	100	Biased	2.3661	2.4868	0.1207
44	100	Biased	2.2889	2.41	0.1211
45	100	Biased	2.3223	2.4441	0.1218
46	100	Unbiased	2.3291	2.4741	0.145
47	100	Unbiased	2.3446	2.4596	0.115
48	100	Unbiased	2.3159	2.4201	0.1042
49	100	Unbiased	2.3519	2.4712	0.1193
50	100	Unbiased	2.2918	2.4161	0.1243
51	0	Correlation	2.3694	2.3624	-0.007
53	0	Correlation	2.3853	2.3982	0.0129
54	0	Correlation	2.3461	2.3462	0.0001
55	0	Correlation	2.3096	2.3121	0.0025
56	0	Correlation	2.3071	2.316	0.0089

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	2.3071	2.3435	2.3853	0.034996	2.3121	2.347	2.3982	0.03549	-0.007	0.00348	0.0129	0.0077513
3	2.3035	2.3523	2.4156	0.034432	2.3121	2.3655	2.4309	0.036689	-0.0161	0.01321	0.0329	0.016456
10	2.3112	2.3448	2.3787	0.025631	2.323	2.3668	2.4318	0.030495	-0.0041	0.02194	0.0555	0.018492
30	2.2948	2.333	2.376	0.024803	2.3439	2.374	2.4163	0.022384	0.0219	0.04106	0.065	0.012822
50	2.304	2.3302	2.3675	0.019536	2.3592	2.4006	2.4404	0.028082	0.0412	0.07048	0.0968	0.016222
100	2.2889	2.331	2.3757	0.028923	2.41	2.4502	2.4879	0.029621	0.1042	0.11929	0.145	0.011024

Device Test: 5.17; PROPD_RESET





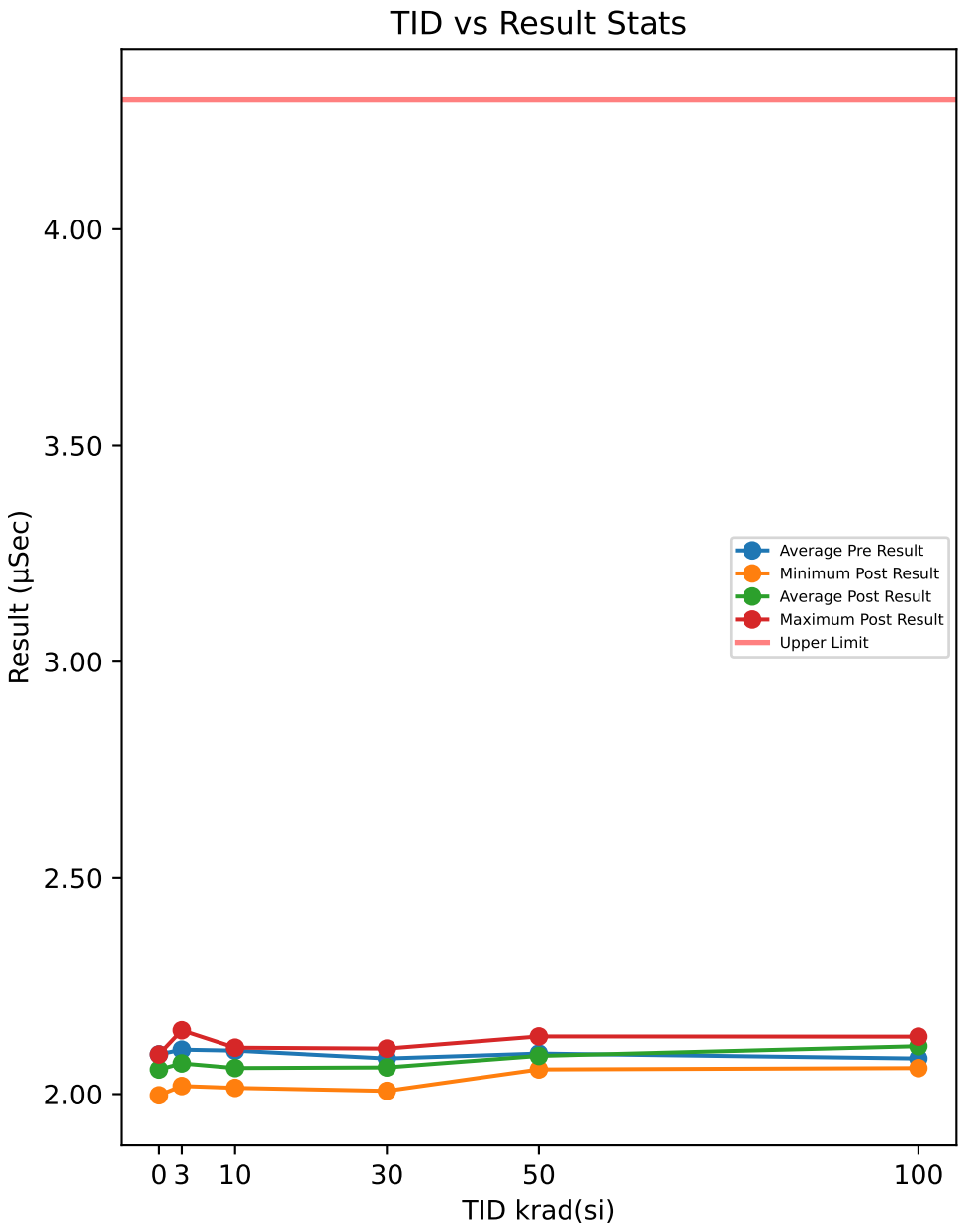
Test Results (Upper Limit = 4.3 (µSec))

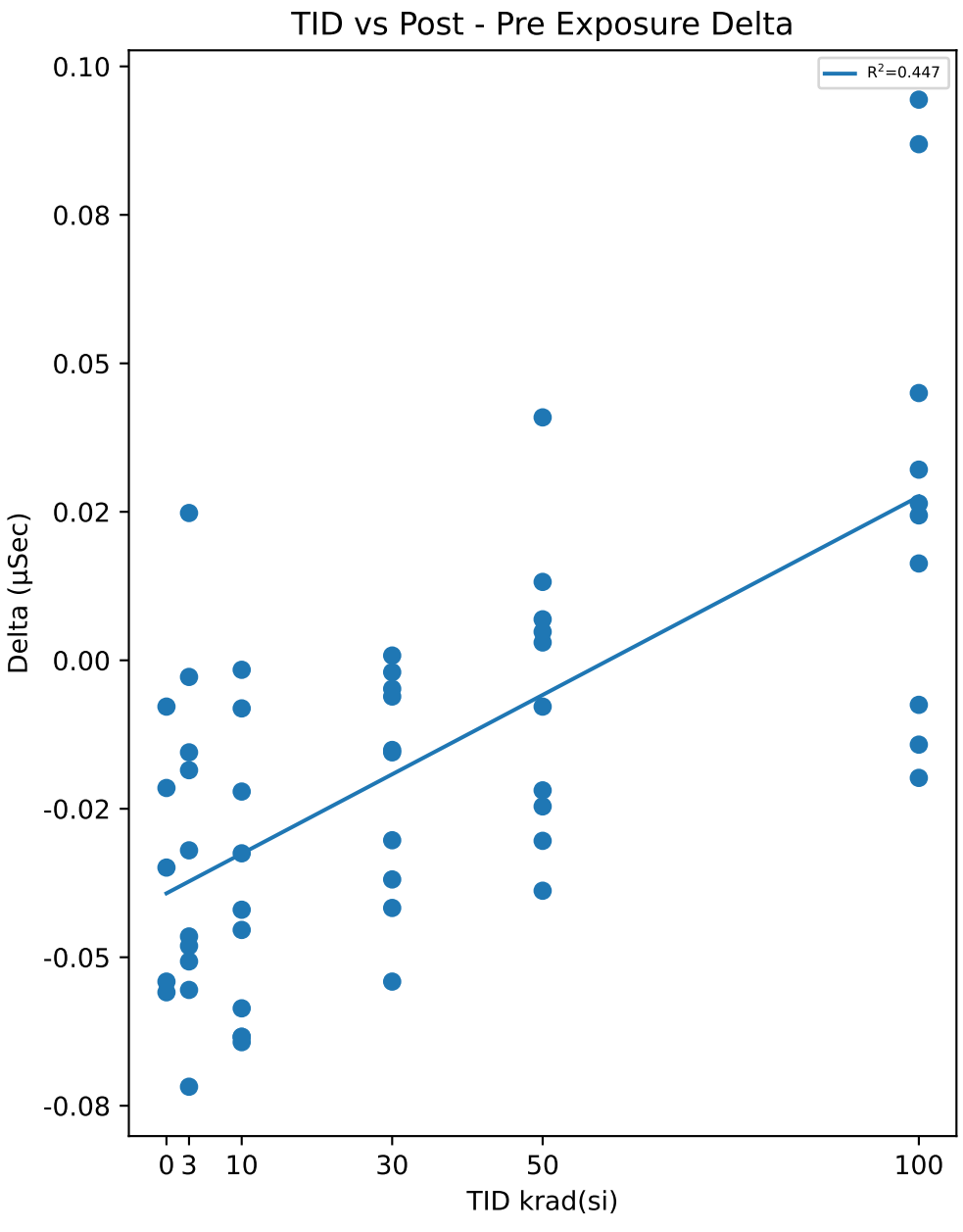
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.3303	2.3719	0.0416
2	3	Biased	2.3677	2.4072	0.0395
3	3	Biased	2.324	2.3811	0.0571
4	3	Biased	2.3067	2.3399	0.0332
5	3	Biased	2.324	2.3488	0.0248
6	3	Unbiased	2.3182	2.3241	0.0059
7	3	Unbiased	2.3063	2.3359	0.0296
8	3	Unbiased	2.3018	2.3448	0.043
9	3	Unbiased	2.276	2.3101	0.0341
10	3	Unbiased	2.2824	2.3358	0.0534
11	10	Biased	2.2505	2.3108	0.0603
12	10	Biased	2.3381	2.3895	0.0514
13	10	Biased	2.2739	2.3193	0.0454
14	10	Biased	2.2806	2.3236	0.043
15	10	Biased	2.3014	2.3556	0.0542
16	10	Unbiased	2.2834	2.3097	0.0263
17	10	Unbiased	2.319	2.4033	0.0843
18	10	Unbiased	2.3282	2.3869	0.0587
19	10	Unbiased	2.2663	2.3482	0.0819
20	10	Unbiased	2.3469	2.3734	0.0265
21	30	Biased	2.3019	2.3302	0.0283
22	30	Biased	2.2851	2.3507	0.0656
23	30	Biased	2.3065	2.4081	0.1016
24	30	Biased	2.3	2.3564	0.0564
25	30	Biased	2.2688	2.352	0.0832
26	30	Unbiased	2.2999	2.382	0.0821
27	30	Unbiased	2.2832	2.3503	0.0671
28	30	Unbiased	2.2964	2.3729	0.0765
29	30	Unbiased	2.2816	2.3276	0.046
30	30	Unbiased	2.2939	2.3601	0.0662
31	50	Biased	2.2757	2.3503	0.0746
32	50	Biased	2.3023	2.3754	0.0731
33	50	Biased	2.2934	2.355	0.0616
34	50	Biased	2.288	2.3628	0.0748
35	50	Biased	2.3422	2.4243	0.0821
36	50	Unbiased	2.3397	2.4206	0.0809
37	50	Unbiased	2.3474	2.4257	0.0783
38	50	Unbiased	2.295	2.3757	0.0807
39	50	Unbiased	2.2812	2.4014	0.1202
40	50	Unbiased	2.2547	2.3695	0.1148
41	100	Biased	2.3296	2.4752	0.1456
42	100	Biased	2.2896	2.414	0.1244
43	100	Biased	2.2937	2.428	0.1343
44	100	Biased	2.2797	2.4	0.1203
45	100	Biased	2.2892	2.4167	0.1275
46	100	Unbiased	2.2918	2.4365	0.1447
47	100	Unbiased	2.312	2.466	0.154
48	100	Unbiased	2.3012	2.4076	0.1064
49	100	Unbiased	2.283	2.4313	0.1483
50	100	Unbiased	2.2804	2.4258	0.1454
51	0	Correlation	2.2998	2.3445	0.0447
53	0	Correlation	2.3007	2.3735	0.0728
54	0	Correlation	2.2898	2.3094	0.0196
55	0	Correlation	2.2876	2.3356	0.048
56	0	Correlation	2.286	2.3199	0.0339

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	2.286	2.2928	2.3007	0.0069586	2.3094	2.3366	2.3735	0.024717	0.0196	0.0438	0.0728	0.019641
3	2.276	2.3137	2.3677	0.025971	2.3101	2.35	2.4072	0.028891	0.0059	0.03622	0.0571	0.014621
10	2.2505	2.2988	2.3469	0.032855	2.3097	2.352	2.4033	0.035125	0.0263	0.0532	0.0843	0.019656
30	2.2688	2.2917	2.3065	0.011683	2.3276	2.359	2.4081	0.023921	0.0283	0.0673	0.1016	0.020631
50	2.2547	2.302	2.3474	0.031232	2.3503	2.3861	2.4257	0.029329	0.0616	0.08411	0.1202	0.018587
100	2.2797	2.295	2.3296	0.015601	2.4	2.4301	2.4752	0.024127	0.1064	0.13509	0.154	0.015113

Device Test: 5.18; PROPD_PWRGD





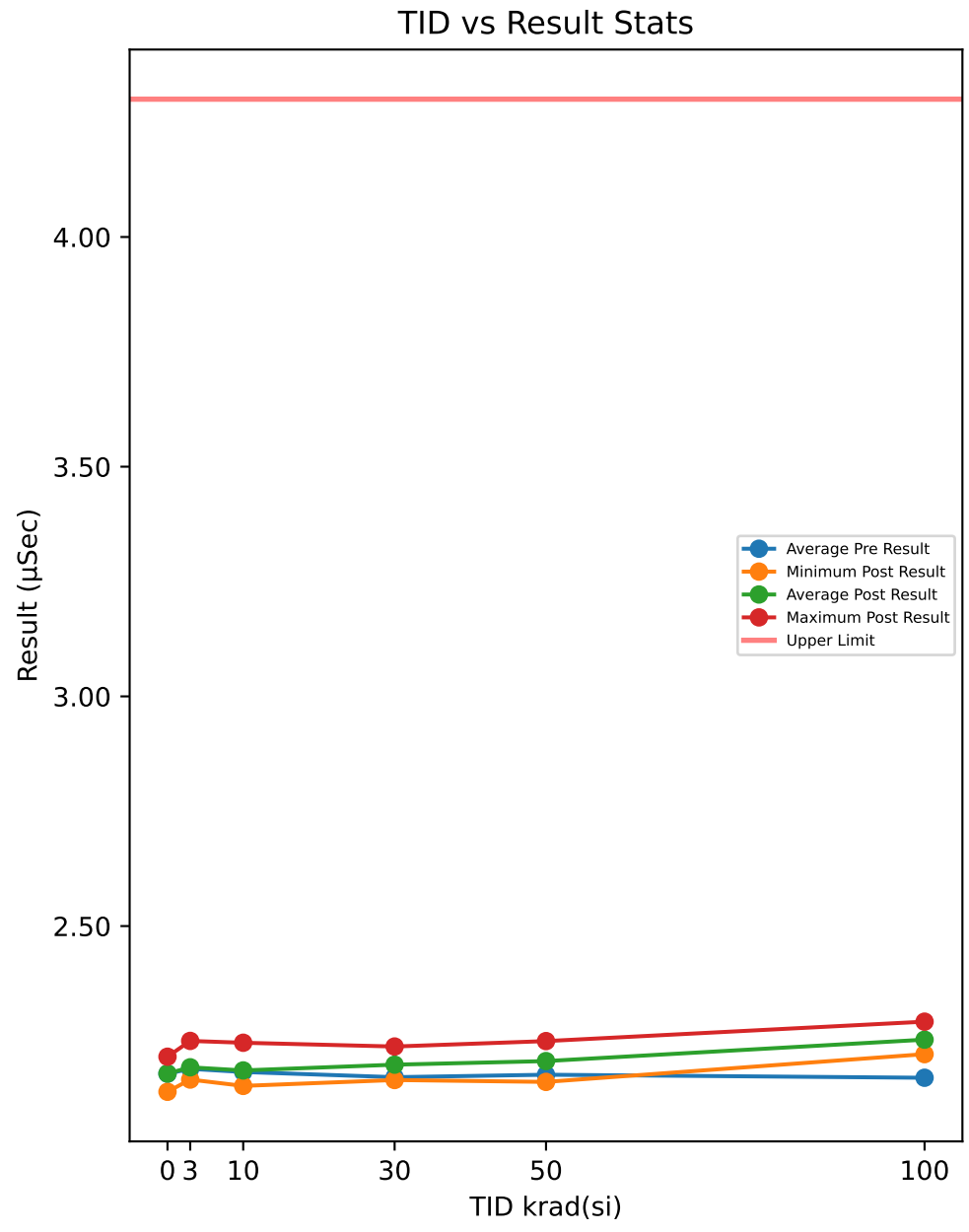
Test Results (Upper Limit = 4.3 (µSec))

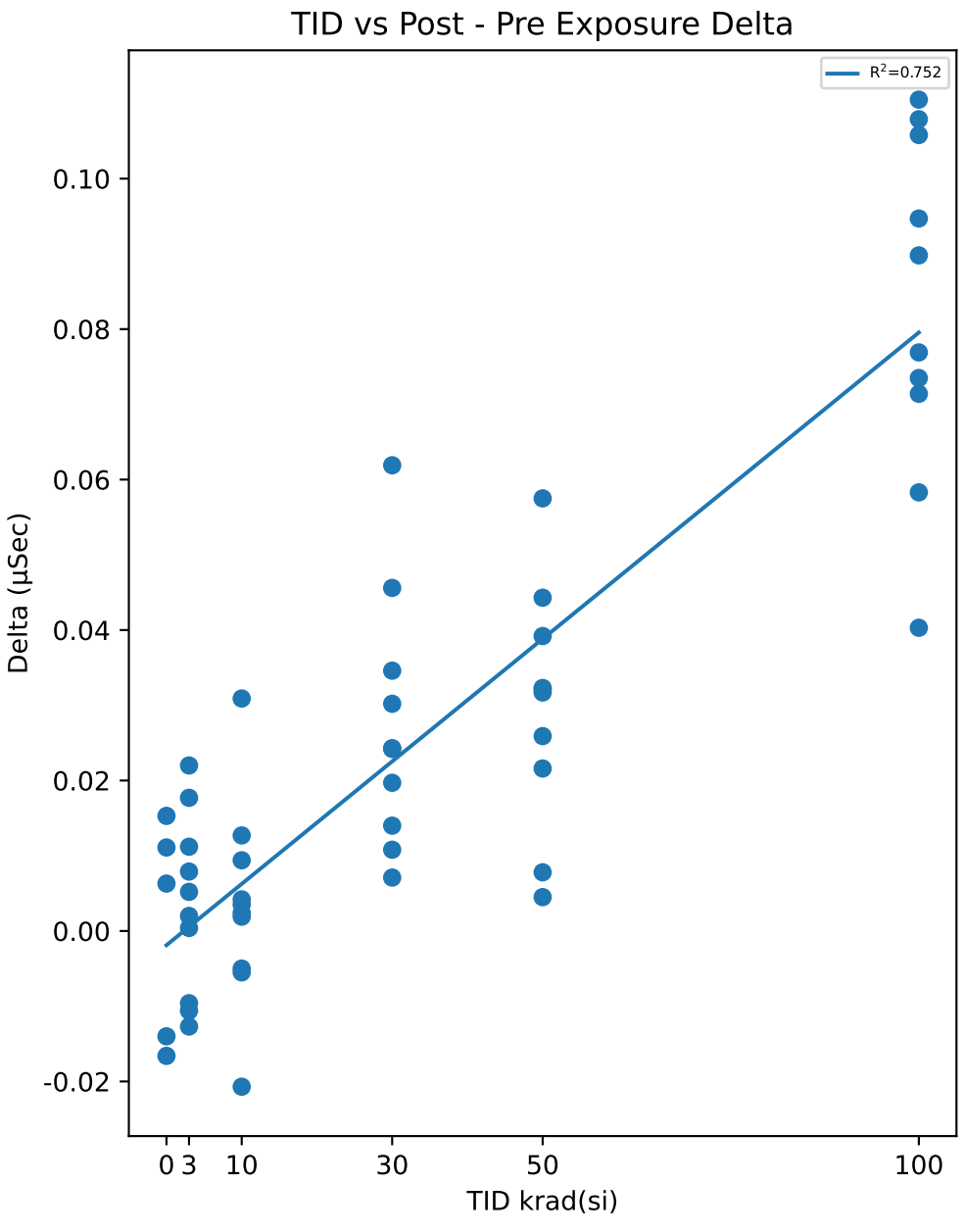
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.1661	2.0943	-0.0718
2	3	Biased	2.1222	2.147	0.0248
3	3	Biased	2.1249	2.1094	-0.0155
4	3	Biased	2.0696	2.0231	-0.0465
5	3	Biased	2.0737	2.0709	-0.0028
6	3	Unbiased	2.0839	2.0332	-0.0507
7	3	Unbiased	2.0741	2.0186	-0.0555
8	3	Unbiased	2.1045	2.0725	-0.032
9	3	Unbiased	2.1094	2.0613	-0.0481
10	3	Unbiased	2.095	2.0765	-0.0185
11	10	Biased	2.075	2.0734	-0.0016
12	10	Biased	2.1219	2.0633	-0.0586
13	10	Biased	2.0994	2.0351	-0.0643
14	10	Biased	2.0621	2.0201	-0.042
15	10	Biased	2.1523	2.1069	-0.0454
16	10	Unbiased	2.0527	2.0202	-0.0325
17	10	Unbiased	2.1428	2.0794	-0.0634
18	10	Unbiased	2.1199	2.0978	-0.0221
19	10	Unbiased	2.0777	2.0143	-0.0634
20	10	Unbiased	2.0979	2.0898	-0.0081
21	30	Biased	2.0755	2.0338	-0.0417
22	30	Biased	2.0615	2.0074	-0.0541
23	30	Biased	2.1351	2.1048	-0.0303
24	30	Biased	2.0828	2.0673	-0.0155
25	30	Biased	2.0515	2.0454	-0.0061
26	30	Unbiased	2.097	2.0978	0.0008
27	30	Unbiased	2.0725	2.0574	-0.0151
28	30	Unbiased	2.1388	2.1019	-0.0369
29	30	Unbiased	2.0576	2.0556	-0.002
30	30	Unbiased	2.0473	2.0425	-0.0048
31	50	Biased	2.0903	2.0657	-0.0246
32	50	Biased	2.0872	2.0568	-0.0304
33	50	Biased	2.0993	2.0605	-0.0388
34	50	Biased	2.0767	2.0899	0.0132
35	50	Biased	2.106	2.109	0.003
36	50	Unbiased	2.128	2.1328	0.0048
37	50	Unbiased	2.1085	2.1007	-0.0078
38	50	Unbiased	2.0762	2.1171	0.0409
39	50	Unbiased	2.0902	2.0683	-0.0219
40	50	Unbiased	2.0718	2.0787	0.0069
41	100	Biased	2.1464	2.1322	-0.0142
42	100	Biased	2.0369	2.1238	0.0869
43	100	Biased	2.0873	2.1323	0.045
44	100	Biased	2.0797	2.0599	-0.0198
45	100	Biased	2.0827	2.099	0.0163
46	100	Unbiased	2.0597	2.0841	0.0244
47	100	Unbiased	2.1333	2.1258	-0.0075
48	100	Unbiased	2.0776	2.1097	0.0321
49	100	Unbiased	2.0812	2.1076	0.0264
50	100	Unbiased	2.0346	2.129	0.0944
51	0	Correlation	2.0985	2.0636	-0.0349
53	0	Correlation	2.1283	2.0724	-0.0559
54	0	Correlation	2.0664	2.0586	-0.0078
55	0	Correlation	2.1128	2.0913	-0.0215
56	0	Correlation	2.0513	1.9972	-0.0541

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	2.0513	2.0915	2.1283	0.032027	1.9972	2.0566	2.0913	0.035479	-0.0559	-0.03484	-0.0078	0.020758
3	2.0696	2.1023	2.1661	0.030013	2.0186	2.0707	2.147	0.039983	-0.0718	-0.03166	0.0248	0.028844
10	2.0527	2.1002	2.1523	0.033736	2.0143	2.06	2.1069	0.034909	-0.0643	-0.04014	-0.0016	0.023413
30	2.0473	2.082	2.1388	0.032581	2.0074	2.0614	2.1048	0.032014	-0.0541	-0.02057	0.0008	0.018995
50	2.0718	2.0934	2.128	0.017379	2.0568	2.088	2.1328	0.026165	-0.0388	-0.00547	0.0409	0.024043
100	2.0346	2.0819	2.1464	0.035918	2.0599	2.1103	2.1323	0.023799	-0.0198	0.0284	0.0944	0.03896

Device Test: 5.19; PROPD_RESET





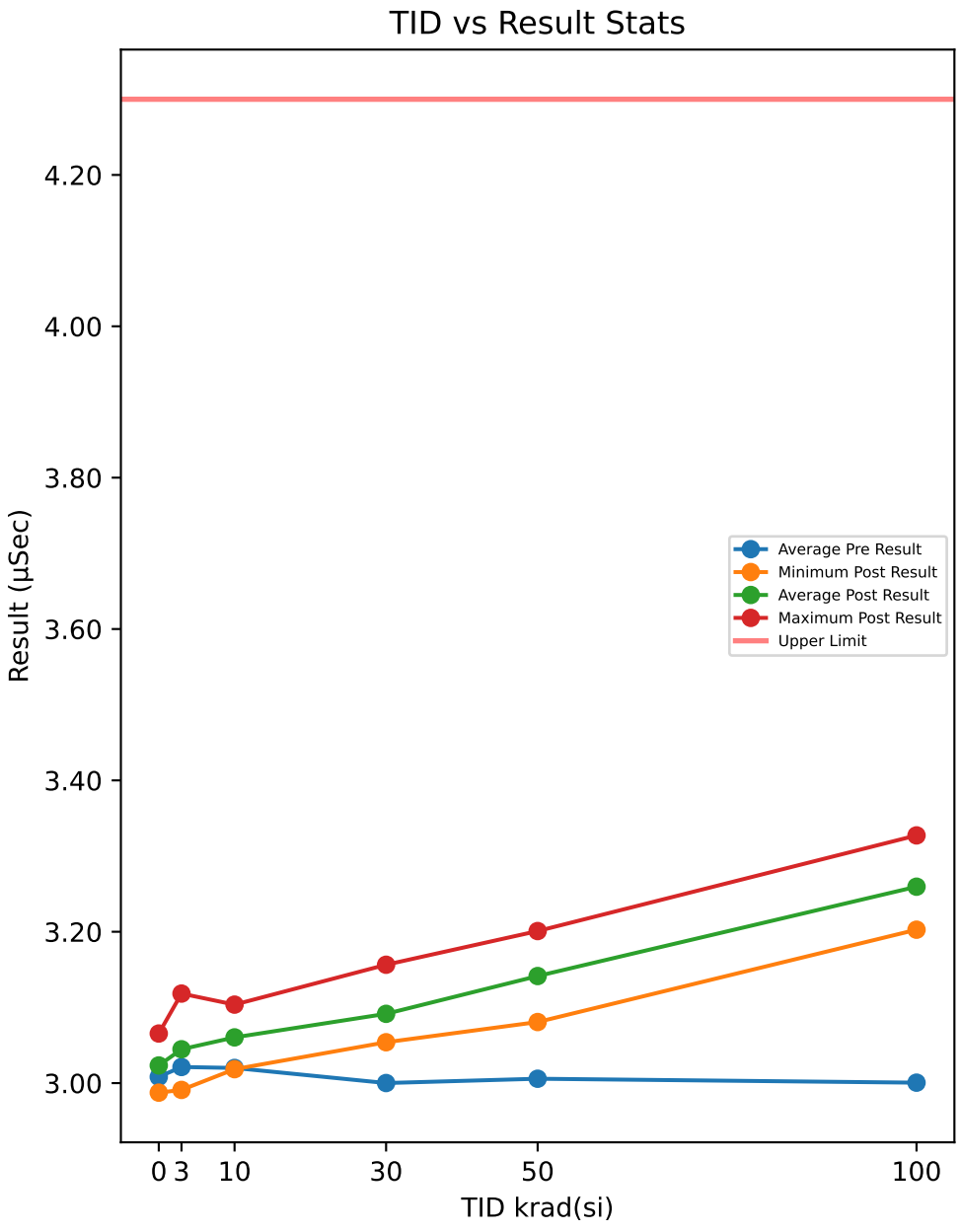
Test Results (Upper Limit = 4.3 (µSec))

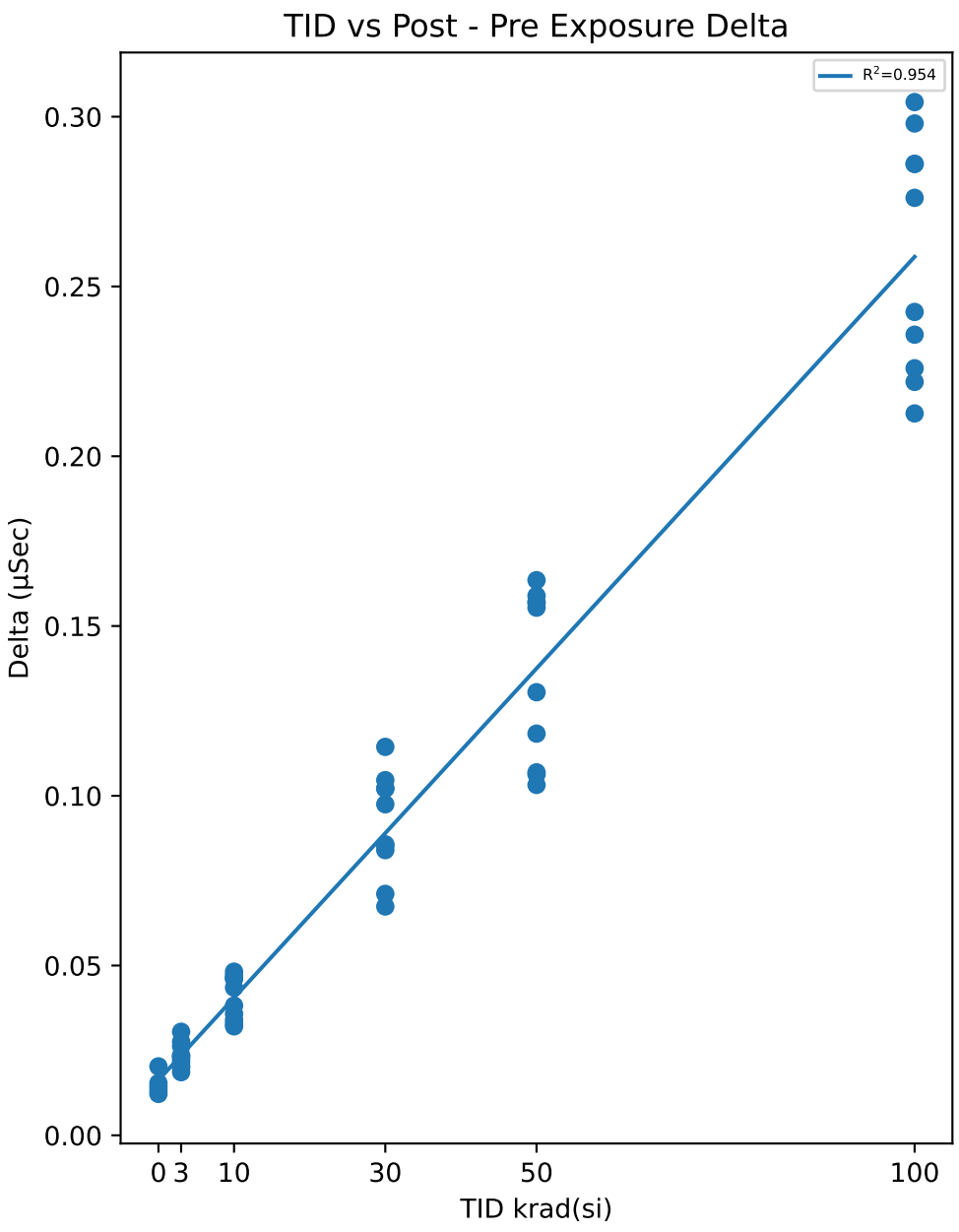
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.2174	2.2394	0.022
2	3	Biased	2.2448	2.25	0.0052
3	3	Biased	2.2137	2.2141	0.0004
4	3	Biased	2.1605	2.1684	0.0079
5	3	Biased	2.1818	2.1691	-0.0127
6	3	Unbiased	2.1755	2.1659	-0.0096
7	3	Unbiased	2.1581	2.1758	0.0177
8	3	Unbiased	2.1838	2.1732	-0.0106
9	3	Unbiased	2.1779	2.1891	0.0112
10	3	Unbiased	2.1785	2.1805	0.002
11	10	Biased	2.1497	2.1521	0.0024
12	10	Biased	2.1924	2.1869	-0.0055
13	10	Biased	2.1741	2.1534	-0.0207
14	10	Biased	2.1616	2.1566	-0.005
15	10	Biased	2.2032	2.2067	0.0035
16	10	Unbiased	2.1682	2.1701	0.0019
17	10	Unbiased	2.2151	2.246	0.0309
18	10	Unbiased	2.2109	2.2151	0.0042
19	10	Unbiased	2.1599	2.1726	0.0127
20	10	Unbiased	2.1885	2.1979	0.0094
21	30	Biased	2.1756	2.1827	0.0071
22	30	Biased	2.1587	2.1727	0.014
23	30	Biased	2.227	2.2378	0.0108
24	30	Biased	2.1407	2.1649	0.0242
25	30	Biased	2.1713	2.191	0.0197
26	30	Unbiased	2.194	2.2183	0.0243
27	30	Unbiased	2.1488	2.2107	0.0619
28	30	Unbiased	2.1847	2.2193	0.0346
29	30	Unbiased	2.161	2.1912	0.0302
30	30	Unbiased	2.1486	2.1942	0.0456
31	50	Biased	2.1601	2.1918	0.0317
32	50	Biased	2.153	2.1608	0.0078
33	50	Biased	2.1345	2.1788	0.0443
34	50	Biased	2.1844	2.1889	0.0045
35	50	Biased	2.2175	2.2496	0.0321
36	50	Unbiased	2.1996	2.2388	0.0392
37	50	Unbiased	2.1958	2.2174	0.0216
38	50	Unbiased	2.1762	2.2337	0.0575
39	50	Unbiased	2.1754	2.2013	0.0259
40	50	Unbiased	2.1675	2.1998	0.0323
41	100	Biased	2.2516	2.2919	0.0403
42	100	Biased	2.154	2.2309	0.0769
43	100	Biased	2.1477	2.2212	0.0735
44	100	Biased	2.1581	2.2295	0.0714
45	100	Biased	2.1775	2.2358	0.0583
46	100	Unbiased	2.1357	2.2436	0.1079
47	100	Unbiased	2.1838	2.2896	0.1058
48	100	Unbiased	2.1645	2.2543	0.0898
49	100	Unbiased	2.1679	2.2784	0.1105
50	100	Unbiased	2.1572	2.2519	0.0947
51	0	Correlation	2.1805	2.1958	0.0153
53	0	Correlation	2.2296	2.2156	-0.014
54	0	Correlation	2.1464	2.1527	0.0063
55	0	Correlation	2.1809	2.192	0.0111
56	0	Correlation	2.1559	2.1393	-0.0166

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	2.1464	2.1787	2.2296	0.032257	2.1393	2.1791	2.2156	0.031853	-0.0166	0.00042	0.0153	0.014728
3	2.1581	2.1892	2.2448	0.02747	2.1659	2.1925	2.25	0.030939	-0.0127	0.00335	0.022	0.011879
10	2.1497	2.1824	2.2151	0.022925	2.1521	2.1857	2.246	0.030778	-0.0207	0.00338	0.0309	0.013388
30	2.1407	2.171	2.227	0.025901	2.1649	2.1983	2.2378	0.022827	0.0071	0.02724	0.0619	0.016757
50	2.1345	2.1764	2.2175	0.024306	2.1608	2.2061	2.2496	0.028307	0.0045	0.02969	0.0575	0.015942
100	2.1357	2.1698	2.2516	0.031928	2.2212	2.2527	2.2919	0.025682	0.0403	0.08291	0.1105	0.023033

Device Test: 5.2; PROPD_RESET





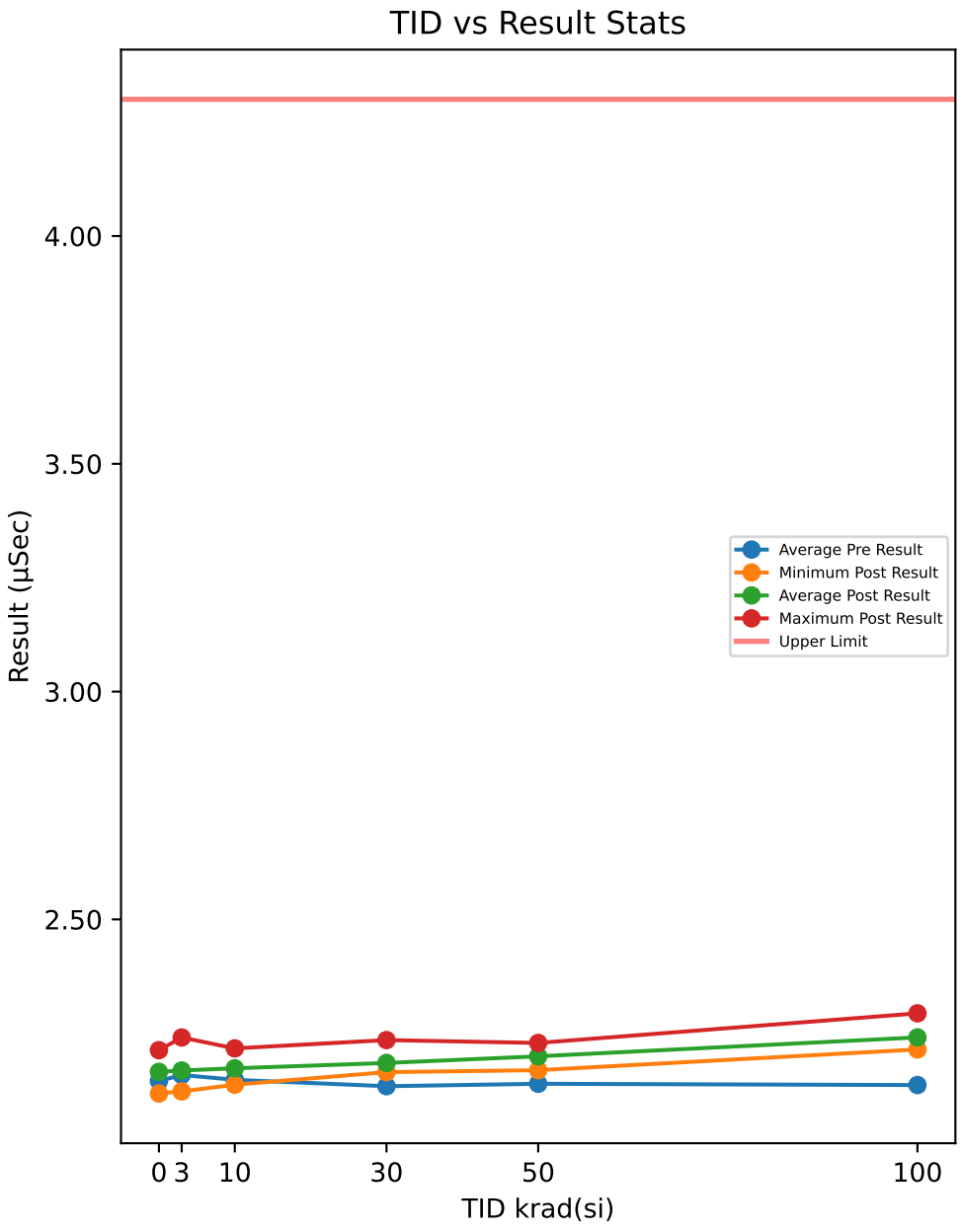
Test Results (Upper Limit = 4.3 (µSec))

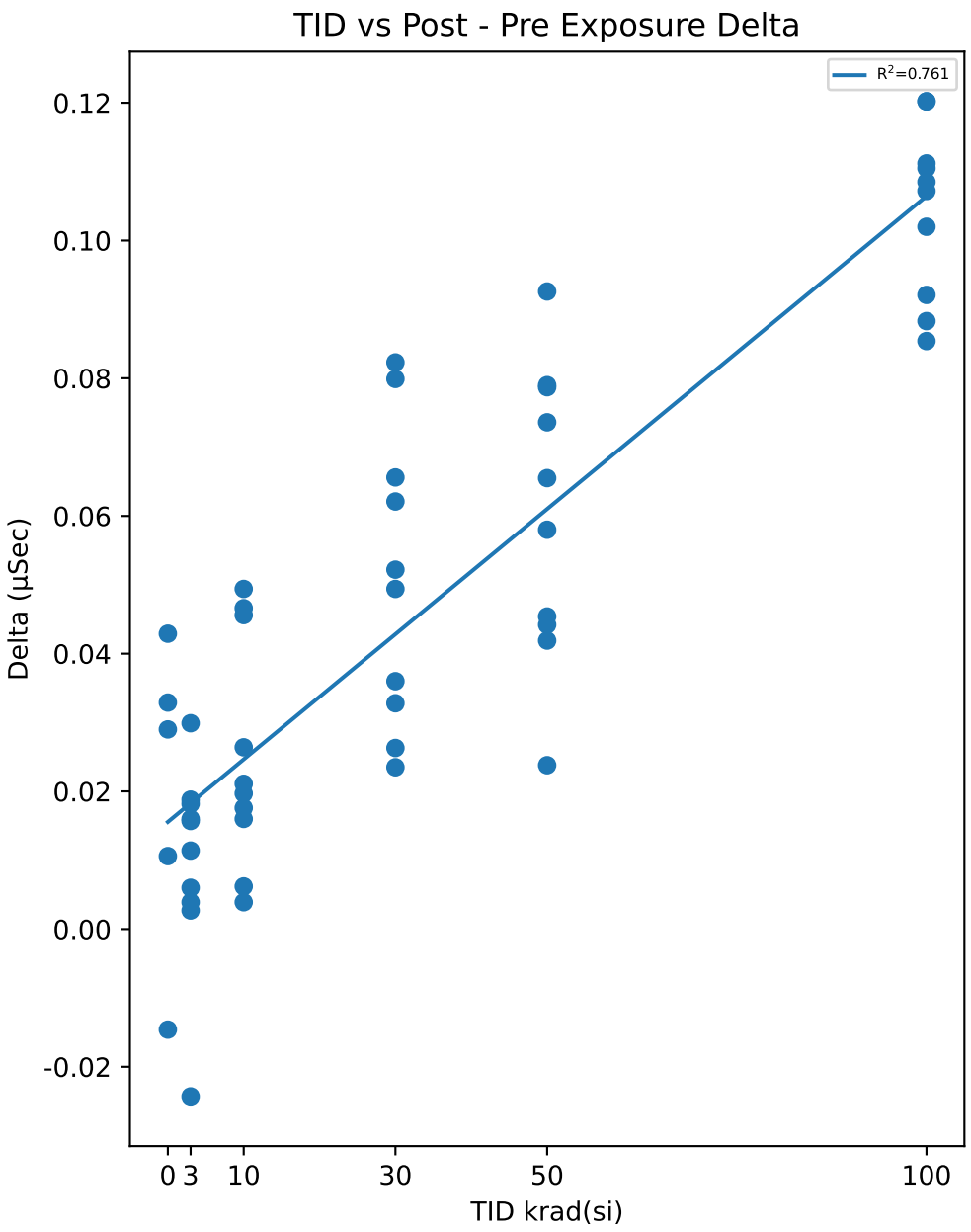
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	3.069	3.0916	0.0226
2	3	Biased	3.0949	3.1183	0.0234
3	3	Biased	3.046	3.0695	0.0235
4	3	Biased	3.0025	3.0225	0.02
5	3	Biased	3.0405	3.0608	0.0203
6	3	Unbiased	2.997	3.0246	0.0276
7	3	Unbiased	2.9949	3.0135	0.0186
8	3	Unbiased	3.02	3.0415	0.0215
9	3	Unbiased	2.9648	2.991	0.0262
10	3	Unbiased	2.9834	3.0139	0.0305
11	10	Biased	2.9721	3.0184	0.0463
12	10	Biased	3.0655	3.1037	0.0382
13	10	Biased	2.9887	3.0245	0.0358
14	10	Biased	3.0044	3.0505	0.0461
15	10	Biased	3.0314	3.0654	0.034
16	10	Unbiased	2.9911	3.0239	0.0328
17	10	Unbiased	3.0599	3.092	0.0321
18	10	Unbiased	3.0485	3.0967	0.0482
19	10	Unbiased	2.9885	3.032	0.0435
20	10	Unbiased	3.0501	3.0971	0.047
21	30	Biased	2.9829	3.054	0.0711
22	30	Biased	2.9898	3.0572	0.0674
23	30	Biased	3.0724	3.1564	0.084
24	30	Biased	2.9829	3.0686	0.0857
25	30	Biased	2.9708	3.0561	0.0853
26	30	Unbiased	3.0288	3.1263	0.0975
27	30	Unbiased	2.9881	3.1025	0.1144
28	30	Unbiased	3.0418	3.1439	0.1021
29	30	Unbiased	2.9627	3.0673	0.1046
30	30	Unbiased	2.9808	3.083	0.1022
31	50	Biased	2.9775	3.0807	0.1032
32	50	Biased	2.998	3.1163	0.1183
33	50	Biased	2.9864	3.0927	0.1063
34	50	Biased	2.9776	3.1081	0.1305
35	50	Biased	3.0919	3.1988	0.1069
36	50	Unbiased	3.0408	3.1962	0.1554
37	50	Unbiased	3.042	3.2009	0.1589
38	50	Unbiased	2.9892	3.1462	0.157
39	50	Unbiased	3	3.1635	0.1635
40	50	Unbiased	2.9544	3.1113	0.1569
41	100	Biased	3.0786	3.3005	0.2219
42	100	Biased	2.9602	3.2027	0.2425
43	100	Biased	3.0393	3.2652	0.2259
44	100	Biased	2.9705	3.2063	0.2358
45	100	Biased	3.0004	3.213	0.2126
46	100	Unbiased	3.0082	3.2943	0.2861
47	100	Unbiased	3.0293	3.3273	0.298
48	100	Unbiased	2.9803	3.2564	0.2761
49	100	Unbiased	2.9658	3.2701	0.3043
50	100	Unbiased	2.9733	3.2594	0.2861
51	0	Correlation	3.0054	3.0208	0.0154
53	0	Correlation	3.0533	3.0655	0.0122
54	0	Correlation	2.9862	2.9994	0.0132
55	0	Correlation	3.0292	3.0435	0.0143
56	0	Correlation	2.9671	2.9874	0.0203

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	2.9671	3.0082	3.0533	0.034118	2.9874	3.0233	3.0655	0.03184	0.0122	0.01508	0.0203	0.0031539
3	2.9648	3.0213	3.0949	0.040746	2.991	3.0447	3.1183	0.039726	0.0186	0.02342	0.0305	0.0037172
10	2.9721	3.02	3.0655	0.03473	3.0184	3.0604	3.1037	0.034725	0.0321	0.0404	0.0482	0.0064543
30	2.9627	3.0001	3.0724	0.035373	3.054	3.0915	3.1564	0.038453	0.0674	0.09143	0.1144	0.015217
50	2.9544	3.0058	3.0919	0.040734	3.0807	3.1415	3.2009	0.046008	0.1032	0.13569	0.1635	0.025127
100	2.9602	3.0006	3.0786	0.038543	3.2027	3.2595	3.3273	0.041982	0.2126	0.25893	0.3043	0.034592

Device Test: 5.20; PROPD_RESET





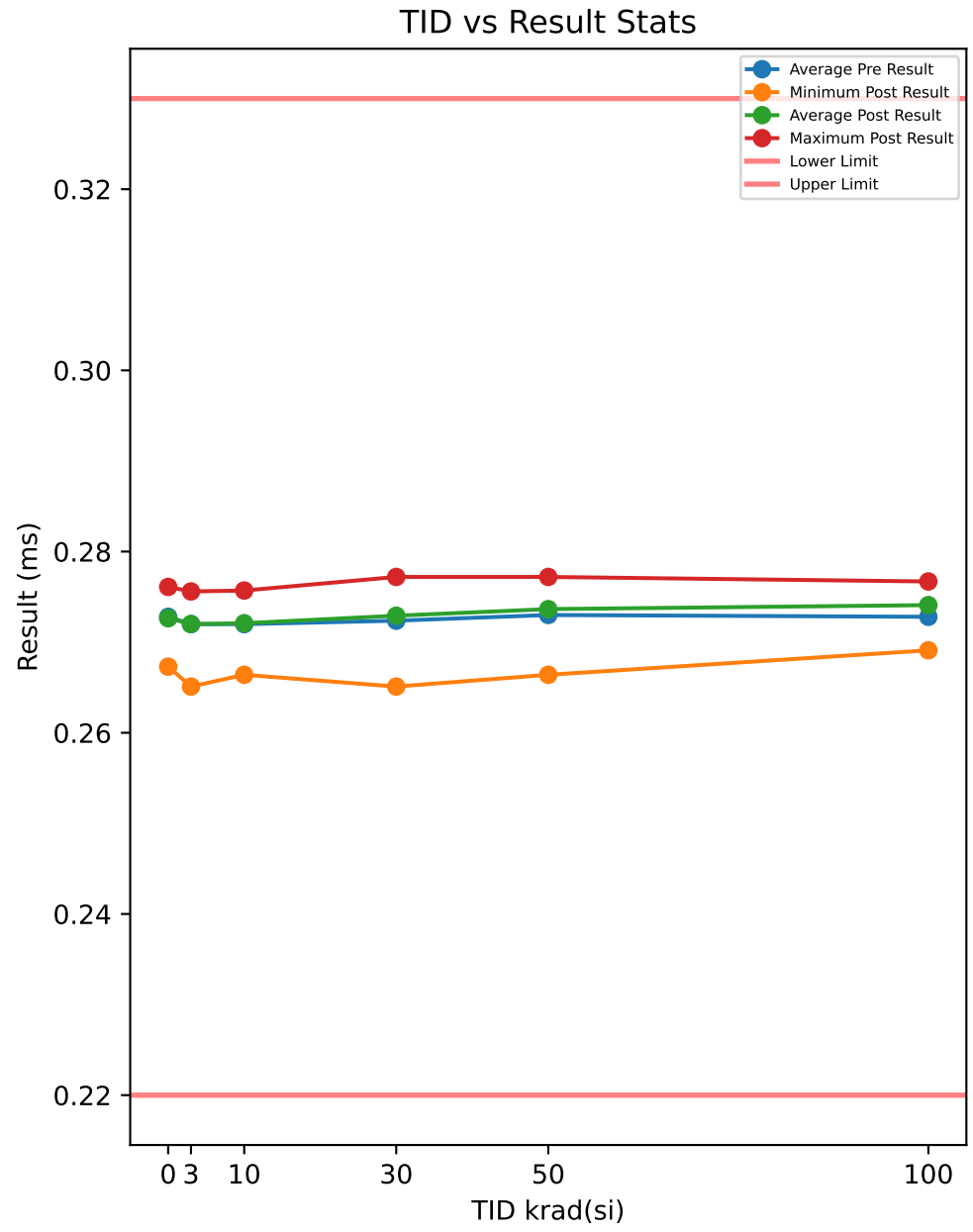
Test Results (Upper Limit = 4.3 (µSec))

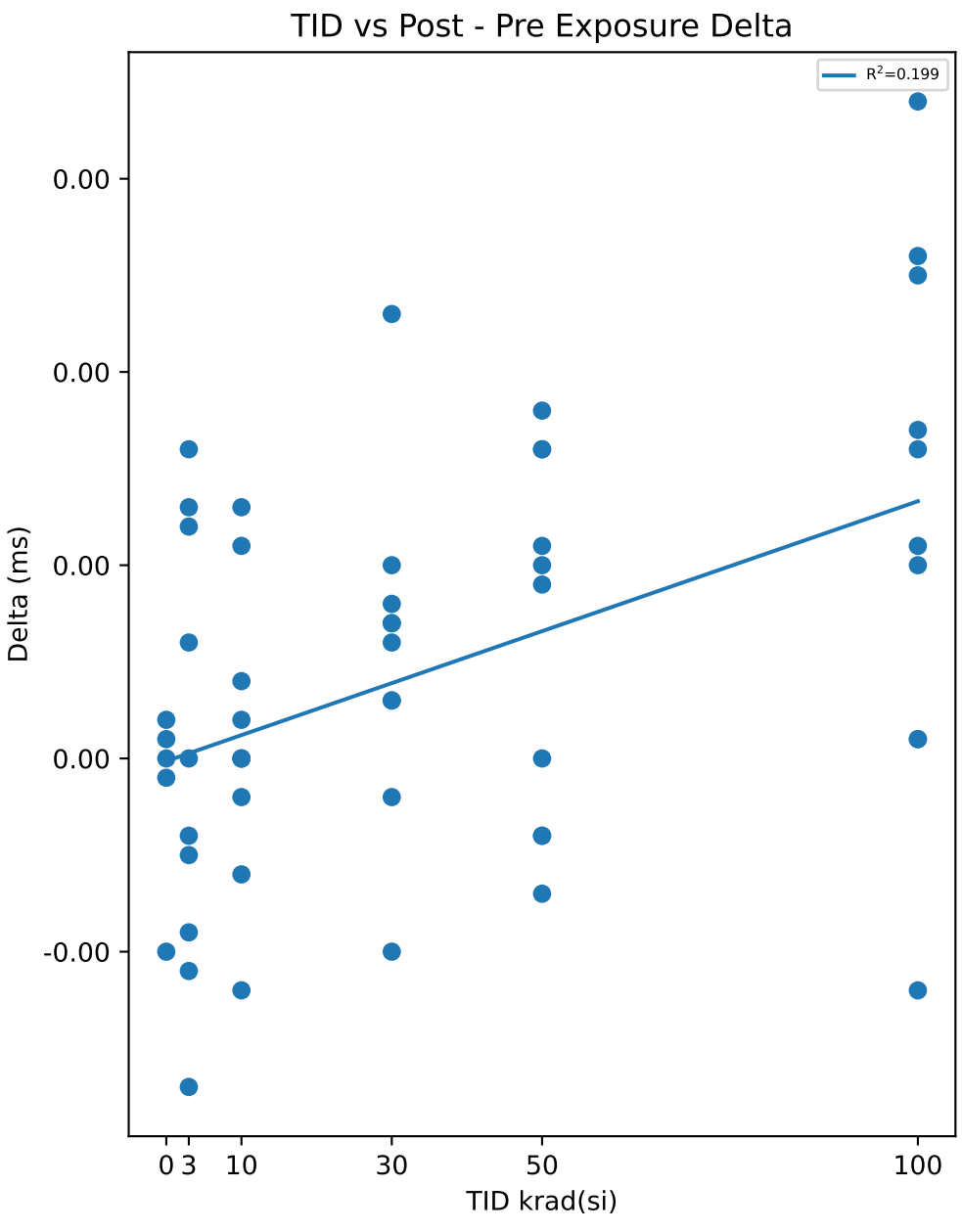
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.2092	2.2206	0.0114
2	3	Biased	2.2226	2.2408	0.0182
3	3	Biased	2.1658	2.1957	0.0299
4	3	Biased	2.1197	2.1224	0.0027
5	3	Biased	2.1547	2.1704	0.0157
6	3	Unbiased	2.1654	2.1411	-0.0243
7	3	Unbiased	2.1211	2.125	0.0039
8	3	Unbiased	2.1415	2.1603	0.0188
9	3	Unbiased	2.144	2.16	0.016
10	3	Unbiased	2.1414	2.1474	0.006
11	10	Biased	2.1332	2.1371	0.0039
12	10	Biased	2.1519	2.1985	0.0466
13	10	Biased	2.122	2.1396	0.0176
14	10	Biased	2.1228	2.1439	0.0211
15	10	Biased	2.1905	2.2169	0.0264
16	10	Unbiased	2.1353	2.1415	0.0062
17	10	Unbiased	2.1668	2.2162	0.0494
18	10	Unbiased	2.1717	2.1914	0.0197
19	10	Unbiased	2.1532	2.1692	0.016
20	10	Unbiased	2.1318	2.1774	0.0456
21	30	Biased	2.116	2.1682	0.0522
22	30	Biased	2.0917	2.174	0.0823
23	30	Biased	2.2116	2.2351	0.0235
24	30	Biased	2.1344	2.1704	0.036
25	30	Biased	2.1208	2.2007	0.0799
26	30	Unbiased	2.1288	2.1944	0.0656
27	30	Unbiased	2.1176	2.1797	0.0621
28	30	Unbiased	2.1682	2.1945	0.0263
29	30	Unbiased	2.1174	2.1668	0.0494
30	30	Unbiased	2.132	2.1648	0.0328
31	50	Biased	2.1271	2.169	0.0419
32	50	Biased	2.0952	2.1742	0.079
33	50	Biased	2.1319	2.1899	0.058
34	50	Biased	2.1305	2.2231	0.0926
35	50	Biased	2.1922	2.216	0.0238
36	50	Unbiased	2.1381	2.2168	0.0787
37	50	Unbiased	2.1846	2.2288	0.0442
38	50	Unbiased	2.132	2.1975	0.0655
39	50	Unbiased	2.1467	2.1921	0.0454
40	50	Unbiased	2.1136	2.1872	0.0736
41	100	Biased	2.2017	2.2938	0.0921
42	100	Biased	2.1395	2.2597	0.1202
43	100	Biased	2.1458	2.2563	0.1105
44	100	Biased	2.1077	2.2189	0.1112
45	100	Biased	2.1291	2.2145	0.0854
46	100	Unbiased	2.1202	2.2274	0.1072
47	100	Unbiased	2.1604	2.2487	0.0883
48	100	Unbiased	2.1294	2.2314	0.102
49	100	Unbiased	2.1239	2.2441	0.1202
50	100	Unbiased	2.1063	2.2148	0.1085
51	0	Correlation	2.1458	2.1787	0.0329
53	0	Correlation	2.1701	2.213	0.0429
54	0	Correlation	2.1426	2.1532	0.0106
55	0	Correlation	2.1349	2.1639	0.029
56	0	Correlation	2.1324	2.1178	-0.0146

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	2.1324	2.1452	2.1701	0.014975	2.1178	2.1653	2.213	0.034855	-0.0146	0.02016	0.0429	0.022678
3	2.1197	2.1585	2.2226	0.034141	2.1224	2.1684	2.2408	0.039494	-0.0243	0.00983	0.0299	0.014506
10	2.122	2.1479	2.1905	0.022894	2.1371	2.1732	2.2169	0.031727	0.0039	0.02525	0.0494	0.016551
30	2.0917	2.1338	2.2116	0.033424	2.1648	2.1849	2.2351	0.021906	0.0235	0.05101	0.0823	0.021286
50	2.0952	2.1392	2.1922	0.029526	2.169	2.1995	2.2288	0.020708	0.0238	0.06027	0.0926	0.021325
100	2.1063	2.1364	2.2017	0.028262	2.2145	2.241	2.2938	0.024933	0.0854	0.10456	0.1202	0.012402

Device Test: 5.21; DLY_TMR_10KOHM





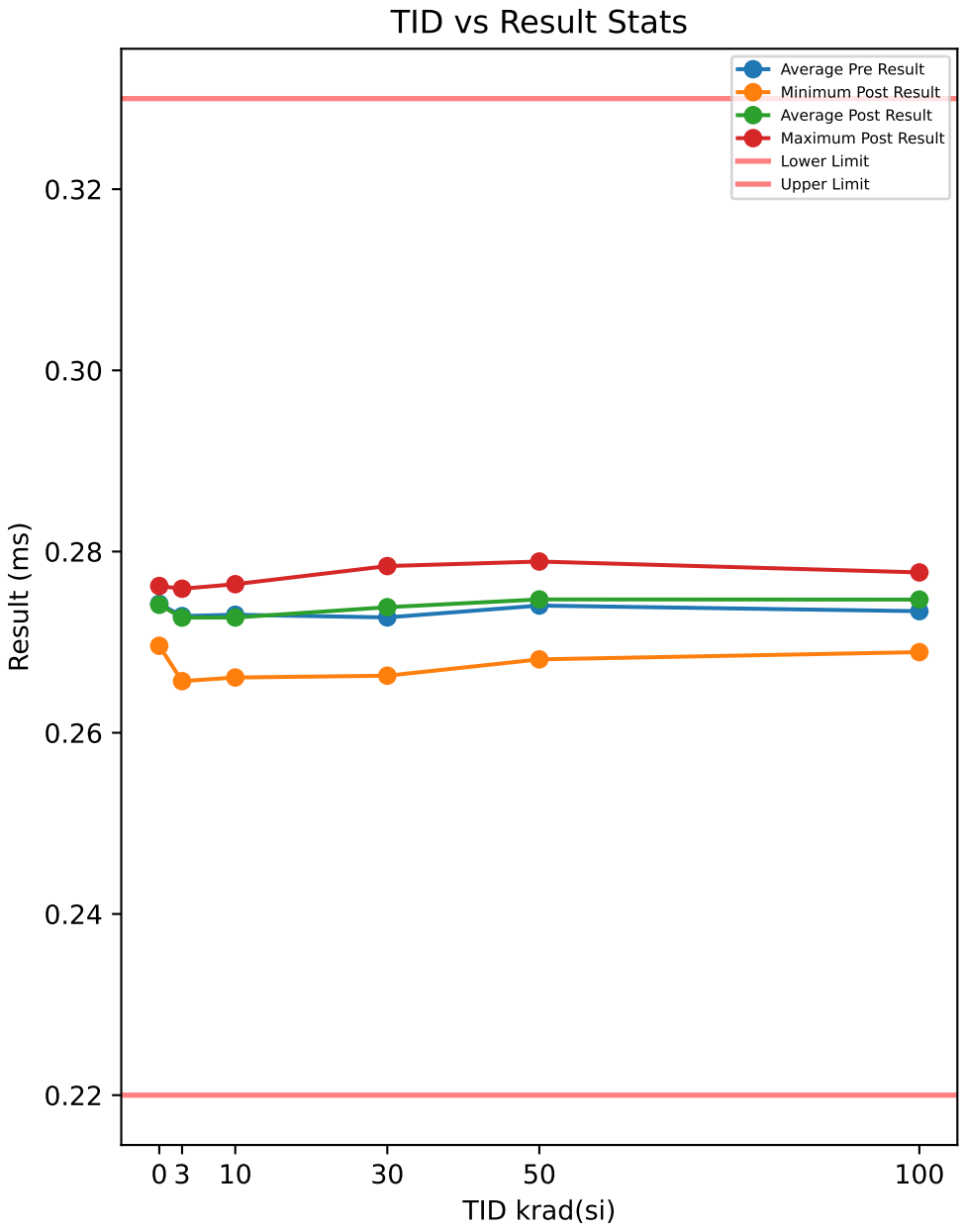
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

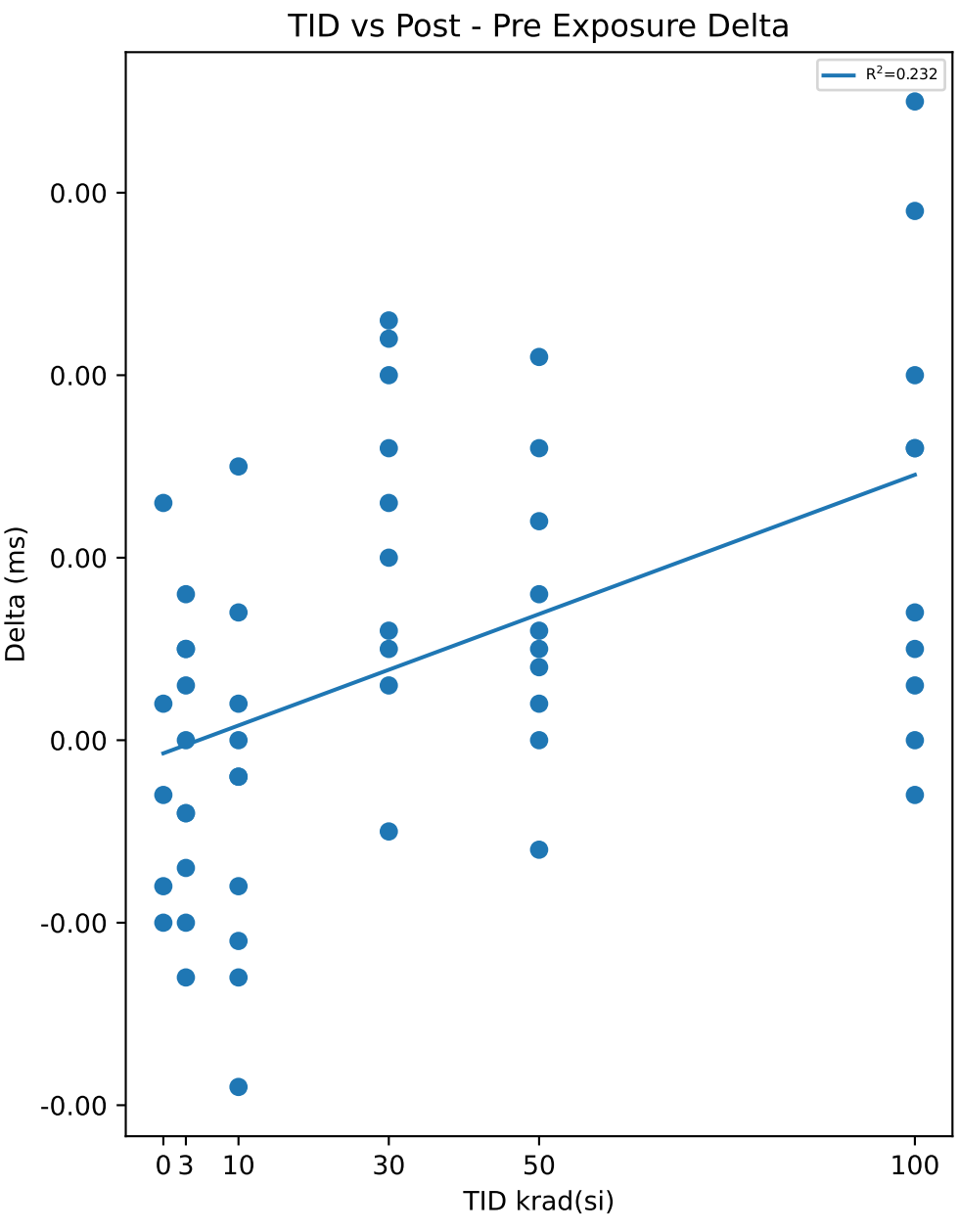
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2638	0.2651	0.0013
2	3	Biased	0.2745	0.2728	-0.0017
3	3	Biased	0.2739	0.2735	-0.0004
4	3	Biased	0.2755	0.2746	-0.0009
5	3	Biased	0.2654	0.2666	0.0012
6	3	Unbiased	0.2742	0.2742	0
7	3	Unbiased	0.275	0.2756	0.0006
8	3	Unbiased	0.2686	0.2681	-0.0005
9	3	Unbiased	0.2758	0.2747	-0.0011
10	3	Unbiased	0.2732	0.2748	0.0016
11	10	Biased	0.2752	0.2746	-0.0006
12	10	Biased	0.2741	0.2752	0.0011
13	10	Biased	0.2741	0.2754	0.0013
14	10	Biased	0.2669	0.2669	0
15	10	Biased	0.2741	0.2729	-0.0012
16	10	Unbiased	0.2667	0.2665	-0.0002
17	10	Unbiased	0.2744	0.2744	0
18	10	Unbiased	0.2662	0.2664	0.0002
19	10	Unbiased	0.2753	0.2757	0.0004
20	10	Unbiased	0.2729	0.2729	0
21	30	Biased	0.2769	0.2772	0.0003
22	30	Biased	0.2756	0.2763	0.0007
23	30	Biased	0.2744	0.2752	0.0008
24	30	Biased	0.2669	0.2675	0.0006
25	30	Biased	0.2644	0.2651	0.0007
26	30	Unbiased	0.2753	0.2743	-0.001
27	30	Unbiased	0.267	0.268	0.001
28	30	Unbiased	0.2733	0.2731	-0.0002
29	30	Unbiased	0.2764	0.2767	0.0003
30	30	Unbiased	0.2735	0.2758	0.0023
31	50	Biased	0.2772	0.2772	0
32	50	Biased	0.2714	0.2732	0.0018
33	50	Biased	0.2768	0.2764	-0.0004
34	50	Biased	0.269	0.27	0.001
35	50	Biased	0.2695	0.2691	-0.0004
36	50	Unbiased	0.2754	0.277	0.0016
37	50	Unbiased	0.2671	0.2664	-0.0007
38	50	Unbiased	0.2752	0.2768	0.0016
39	50	Unbiased	0.2743	0.2754	0.0011
40	50	Unbiased	0.2741	0.275	0.0009
41	100	Biased	0.2733	0.2758	0.0025
42	100	Biased	0.2726	0.276	0.0034
43	100	Biased	0.2756	0.2767	0.0011
44	100	Biased	0.274	0.2756	0.0016
45	100	Biased	0.2665	0.2691	0.0026
46	100	Unbiased	0.2749	0.2759	0.001
47	100	Unbiased	0.2736	0.2737	0.0001
48	100	Unbiased	0.2741	0.2742	0.0001
49	100	Unbiased	0.2755	0.2743	-0.0012
50	100	Unbiased	0.2679	0.2696	0.0017
51	0	Correlation	0.2759	0.2761	0.0002
53	0	Correlation	0.2721	0.2722	0.0001
54	0	Correlation	0.2683	0.2673	-0.001
55	0	Correlation	0.2731	0.273	-0.0001
56	0	Correlation	0.2746	0.2746	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	0.2683	0.2728	0.2759	0.0029017	0.2673	0.27264	0.2761	0.0033411	-0.001	-0.00016	0.0002	0.0004827
3	0.2638	0.27199	0.2758	0.0043994	0.2651	0.272	0.2756	0.0038667	-0.0017	1e-05	0.0016	0.0011239
10	0.2662	0.27199	0.2753	0.0037811	0.2664	0.27209	0.2757	0.003904	-0.0012	0.0001	0.0013	0.00073333
30	0.2644	0.27237	0.2769	0.0045255	0.2651	0.27292	0.2772	0.0043994	-0.001	0.00055	0.0023	0.00084755
50	0.2671	0.273	0.2772	0.003515	0.2664	0.27365	0.2772	0.003844	-0.0007	0.00065	0.0018	0.00094074
100	0.2665	0.2728	0.2756	0.0031145	0.2691	0.27409	0.2767	0.002671	-0.0012	0.00129	0.0034	0.0013763

Device Test: 5.22; DLY_TMR_10KOHM





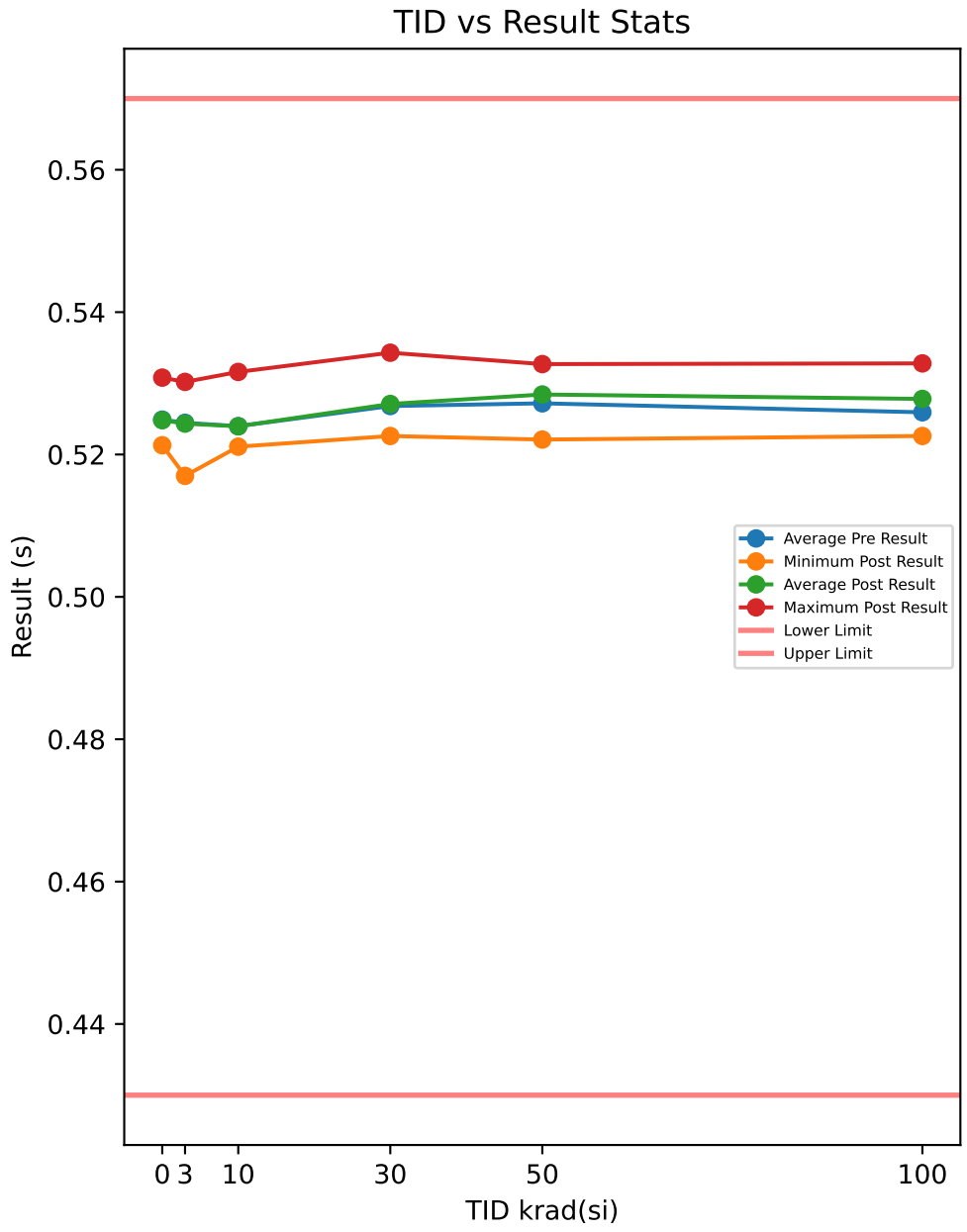
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2661	0.2657	-0.0004
2	3	Biased	0.275	0.2746	-0.0004
3	3	Biased	0.2754	0.2759	0.0005
4	3	Biased	0.2747	0.275	0.0003
5	3	Biased	0.2681	0.2668	-0.0013
6	3	Unbiased	0.2745	0.2753	0.0008
7	3	Unbiased	0.2755	0.2745	-0.001
8	3	Unbiased	0.2684	0.2684	0
9	3	Unbiased	0.2762	0.2755	-0.0007
10	3	Unbiased	0.2749	0.2754	0.0005
11	10	Biased	0.2766	0.2753	-0.0013
12	10	Biased	0.2759	0.2748	-0.0011
13	10	Biased	0.2752	0.2752	0
14	10	Biased	0.2673	0.2688	0.0015
15	10	Biased	0.2756	0.2737	-0.0019
16	10	Unbiased	0.2687	0.2689	0.0002
17	10	Unbiased	0.2748	0.2746	-0.0002
18	10	Unbiased	0.2669	0.2661	-0.0008
19	10	Unbiased	0.2757	0.2764	0.0007
20	10	Unbiased	0.2736	0.2734	-0.0002
21	30	Biased	0.2771	0.2784	0.0013
22	30	Biased	0.2762	0.2782	0.002
23	30	Biased	0.274	0.2756	0.0016
24	30	Biased	0.2665	0.2668	0.0003
25	30	Biased	0.2653	0.2663	0.001
26	30	Unbiased	0.2768	0.2763	-0.0005
27	30	Unbiased	0.2674	0.2679	0.0005
28	30	Unbiased	0.2739	0.2745	0.0006
29	30	Unbiased	0.2754	0.2776	0.0022
30	30	Unbiased	0.2747	0.277	0.0023
31	50	Biased	0.2773	0.2789	0.0016
32	50	Biased	0.2733	0.2745	0.0012
33	50	Biased	0.2772	0.2778	0.0006
34	50	Biased	0.2696	0.269	-0.0006
35	50	Biased	0.2693	0.2714	0.0021
36	50	Unbiased	0.2772	0.2777	0.0005
37	50	Unbiased	0.2681	0.2681	0
38	50	Unbiased	0.2767	0.2775	0.0008
39	50	Unbiased	0.2773	0.2777	0.0004
40	50	Unbiased	0.2744	0.2746	0.0002
41	100	Biased	0.2733	0.2762	0.0029
42	100	Biased	0.2734	0.275	0.0016
43	100	Biased	0.2755	0.2771	0.0016
44	100	Biased	0.2742	0.2777	0.0035
45	100	Biased	0.2669	0.2689	0.002
46	100	Unbiased	0.2758	0.2763	0.0005
47	100	Unbiased	0.2746	0.2746	0
48	100	Unbiased	0.2752	0.2759	0.0007
49	100	Unbiased	0.2754	0.2757	0.0003
50	100	Unbiased	0.2699	0.2696	-0.0003
51	0	Correlation	0.2758	0.2755	-0.0003
53	0	Correlation	0.2749	0.2739	-0.001
54	0	Correlation	0.2694	0.2696	0.0002
55	0	Correlation	0.2741	0.2754	0.0013
56	0	Correlation	0.277	0.2762	-0.0008

Test Statistics (ms)

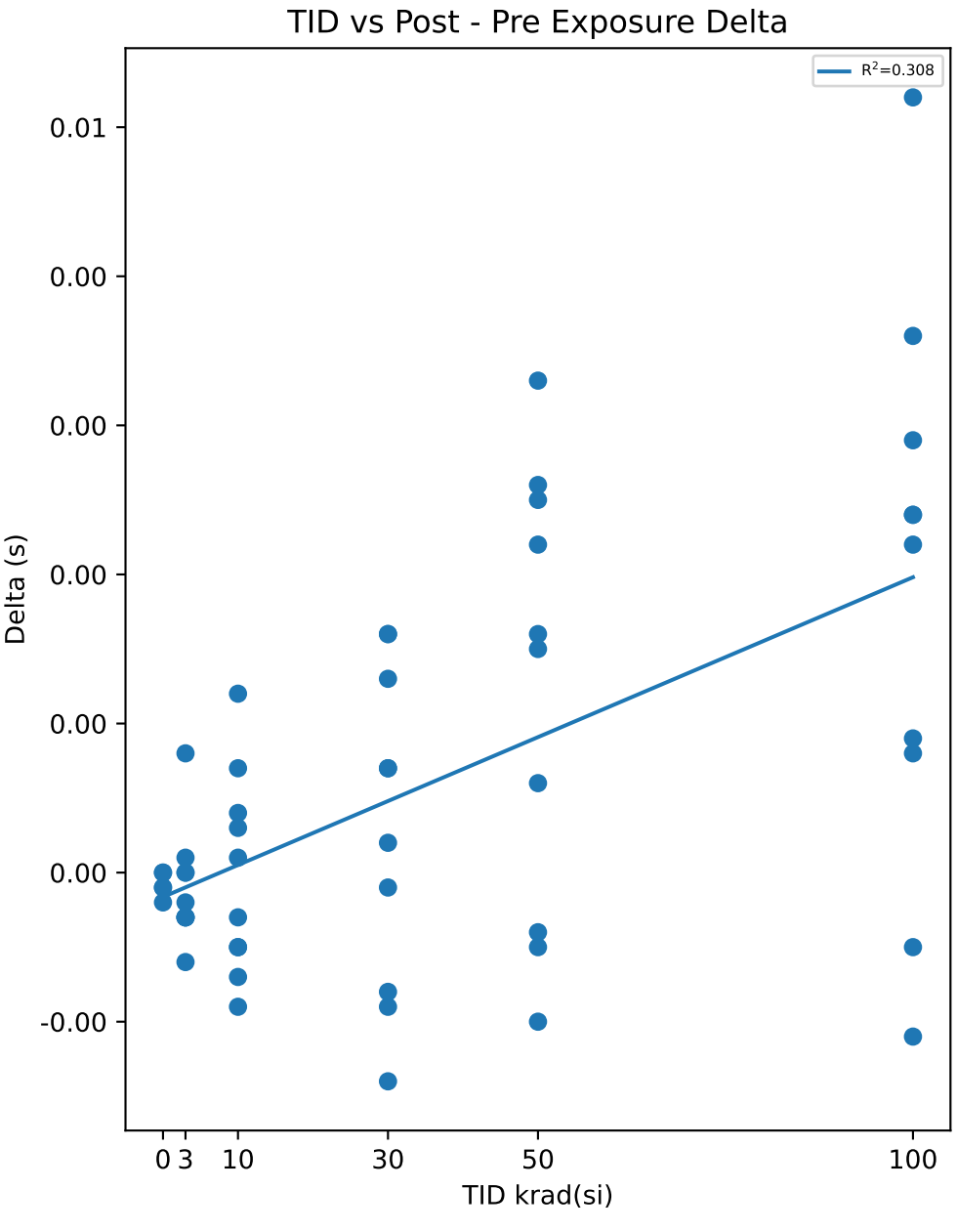
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2694	0.27424	0.277	0.0029126	0.2696	0.27412	0.2762	0.0026621	-0.001	-0.00012	0.0013	0.00092033
3	0.2661	0.27288	0.2762	0.0037659	0.2657	0.27271	0.2759	0.0040355	-0.0013	-0.00017	0.0008	0.00070246
10	0.2669	0.27303	0.2766	0.0038303	0.2661	0.27272	0.2764	0.0034867	-0.0019	-0.00031	0.0015	0.0010027
30	0.2653	0.27273	0.2771	0.004523	0.2663	0.27386	0.2784	0.0048899	-0.0005	0.00113	0.0023	0.00091658
50	0.2681	0.27404	0.2773	0.0037482	0.2681	0.27472	0.2789	0.0039451	-0.0006	0.00068	0.0021	0.00078853
100	0.2669	0.27342	0.2758	0.0028674	0.2689	0.2747	0.2777	0.003014	-0.0003	0.00128	0.0035	0.0012612

Device Test: 5.23; WD_TMR_10KOHM



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

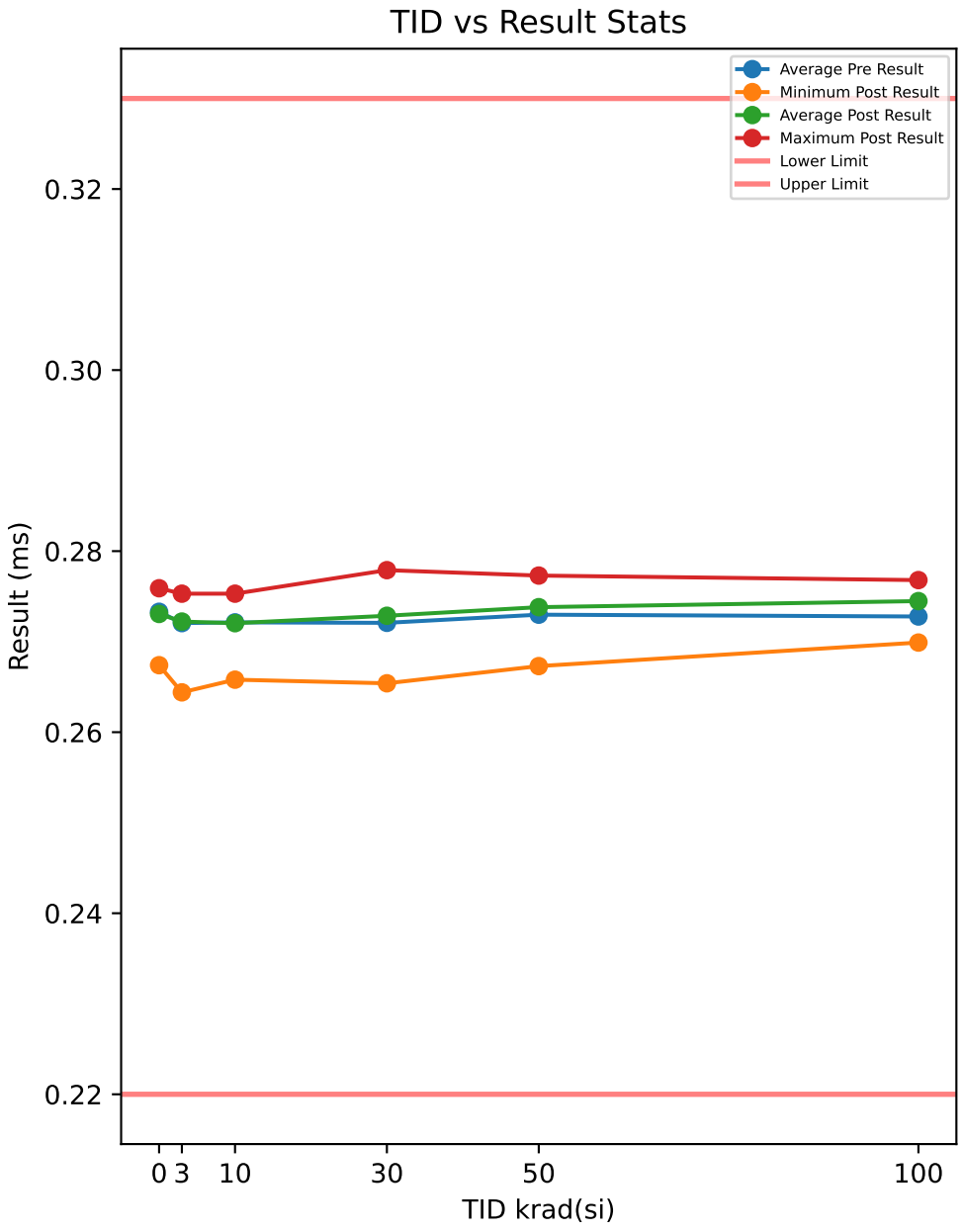
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.5258	0.5256	-0.0002
2	3	Biased	0.5173	0.517	-0.0003
3	3	Biased	0.5211	0.5211	0
4	3	Biased	0.5305	0.5302	-0.0003
5	3	Biased	0.5219	0.5216	-0.0003
6	3	Unbiased	0.5292	0.5293	0.0001
7	3	Unbiased	0.5249	0.5243	-0.0006
8	3	Unbiased	0.5175	0.5172	-0.0003
9	3	Unbiased	0.5282	0.5282	0
10	3	Unbiased	0.5281	0.5289	0.0008
11	10	Biased	0.5234	0.5225	-0.0009
12	10	Biased	0.5248	0.5245	-0.0003
13	10	Biased	0.5313	0.5316	0.0003
14	10	Biased	0.5224	0.5219	-0.0005
15	10	Biased	0.5225	0.522	-0.0005
16	10	Unbiased	0.5236	0.524	0.0004
17	10	Unbiased	0.5199	0.5211	0.0012
18	10	Unbiased	0.5262	0.5255	-0.0007
19	10	Unbiased	0.5239	0.5246	0.0007
20	10	Unbiased	0.5218	0.5219	0.0001
21	30	Biased	0.5247	0.5238	-0.0009
22	30	Biased	0.5319	0.5305	-0.0014
23	30	Biased	0.5288	0.5304	0.0016
24	30	Biased	0.5257	0.527	0.0013
25	30	Biased	0.528	0.5272	-0.0008
26	30	Unbiased	0.5219	0.5226	0.0007
27	30	Unbiased	0.5241	0.524	-0.0001
28	30	Unbiased	0.5237	0.5239	0.0002
29	30	Unbiased	0.5327	0.5343	0.0016
30	30	Unbiased	0.5266	0.5273	0.0007
31	50	Biased	0.5286	0.5292	0.0006
32	50	Biased	0.5279	0.5295	0.0016
33	50	Biased	0.5304	0.5319	0.0015
34	50	Biased	0.5269	0.5265	-0.0004
35	50	Biased	0.5301	0.5327	0.0026
36	50	Unbiased	0.5231	0.5221	-0.001
37	50	Unbiased	0.5304	0.5326	0.0022
38	50	Unbiased	0.5256	0.5251	-0.0005
39	50	Unbiased	0.5255	0.5288	0.0033
40	50	Unbiased	0.5234	0.5259	0.0025
41	100	Biased	0.5275	0.5283	0.0008
42	100	Biased	0.5274	0.5296	0.0022
43	100	Biased	0.5222	0.5246	0.0024
44	100	Biased	0.5229	0.5281	0.0052
45	100	Biased	0.5266	0.5295	0.0029
46	100	Unbiased	0.5241	0.525	0.0009
47	100	Unbiased	0.5202	0.5226	0.0024
48	100	Unbiased	0.529	0.5279	-0.0011
49	100	Unbiased	0.5333	0.5328	-0.0005
50	100	Unbiased	0.5261	0.5297	0.0036
51	0	Correlation	0.5259	0.5259	0
53	0	Correlation	0.5215	0.5213	-0.0002
54	0	Correlation	0.5245	0.5245	0
55	0	Correlation	0.5217	0.5216	-0.0001
56	0	Correlation	0.5309	0.5308	-0.0001

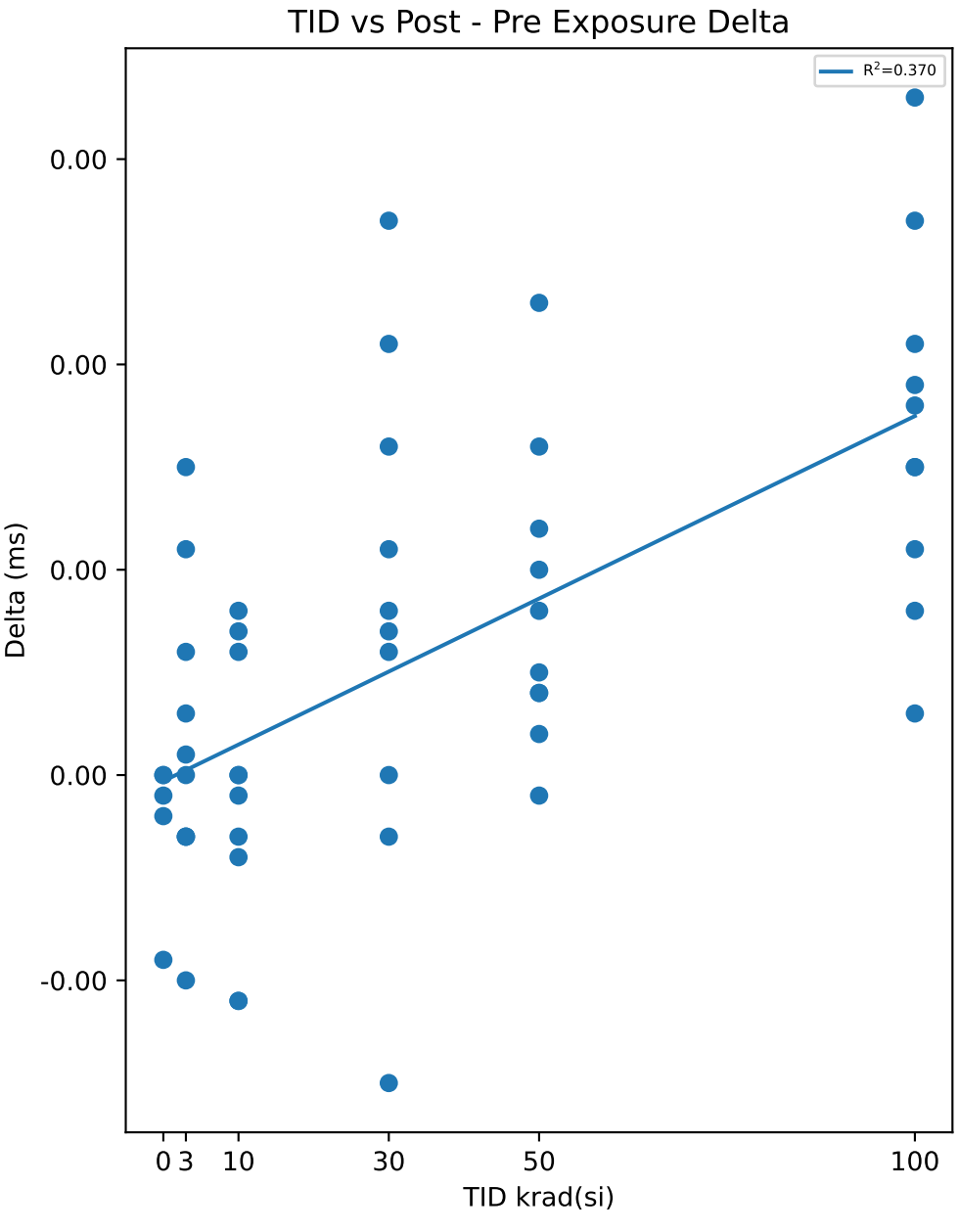


Test Statistics (s)

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	0.5215	0.5249	0.5309	0.0038393	0.5213	0.52482	0.5308	0.0038661	-0.0002	-8e-05	0	8.3666e-05
3	0.5173	0.52445	0.5305	0.004781	0.517	0.52434	0.5302	0.0049338	-0.0006	-0.00011	0.0008	0.00037845
10	0.5199	0.52398	0.5313	0.0030868	0.5211	0.52396	0.5316	0.0030566	-0.0009	-2e-05	0.0012	0.00067297
30	0.5219	0.52681	0.5327	0.0035407	0.5226	0.5271	0.5343	0.0037318	-0.0014	0.00029	0.0016	0.0010754
50	0.5231	0.52719	0.5304	0.0027513	0.5221	0.52843	0.5327	0.0035091	-0.001	0.00124	0.0033	0.0014886
100	0.5202	0.52593	0.5333	0.003773	0.5226	0.52781	0.5328	0.0029853	-0.0011	0.00188	0.0052	0.0018955

Device Test: 5.24; DLY_TMR_10KOHM





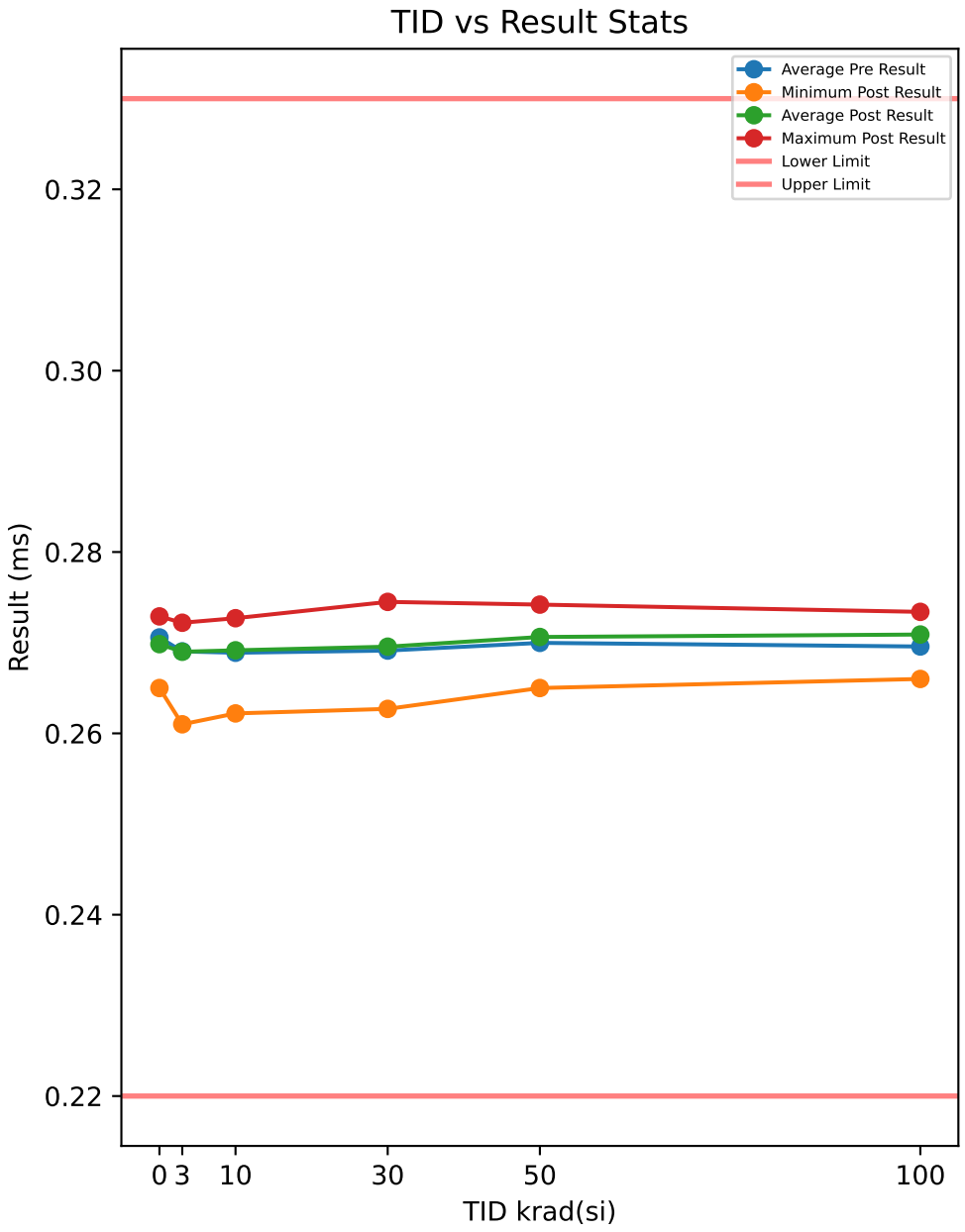
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

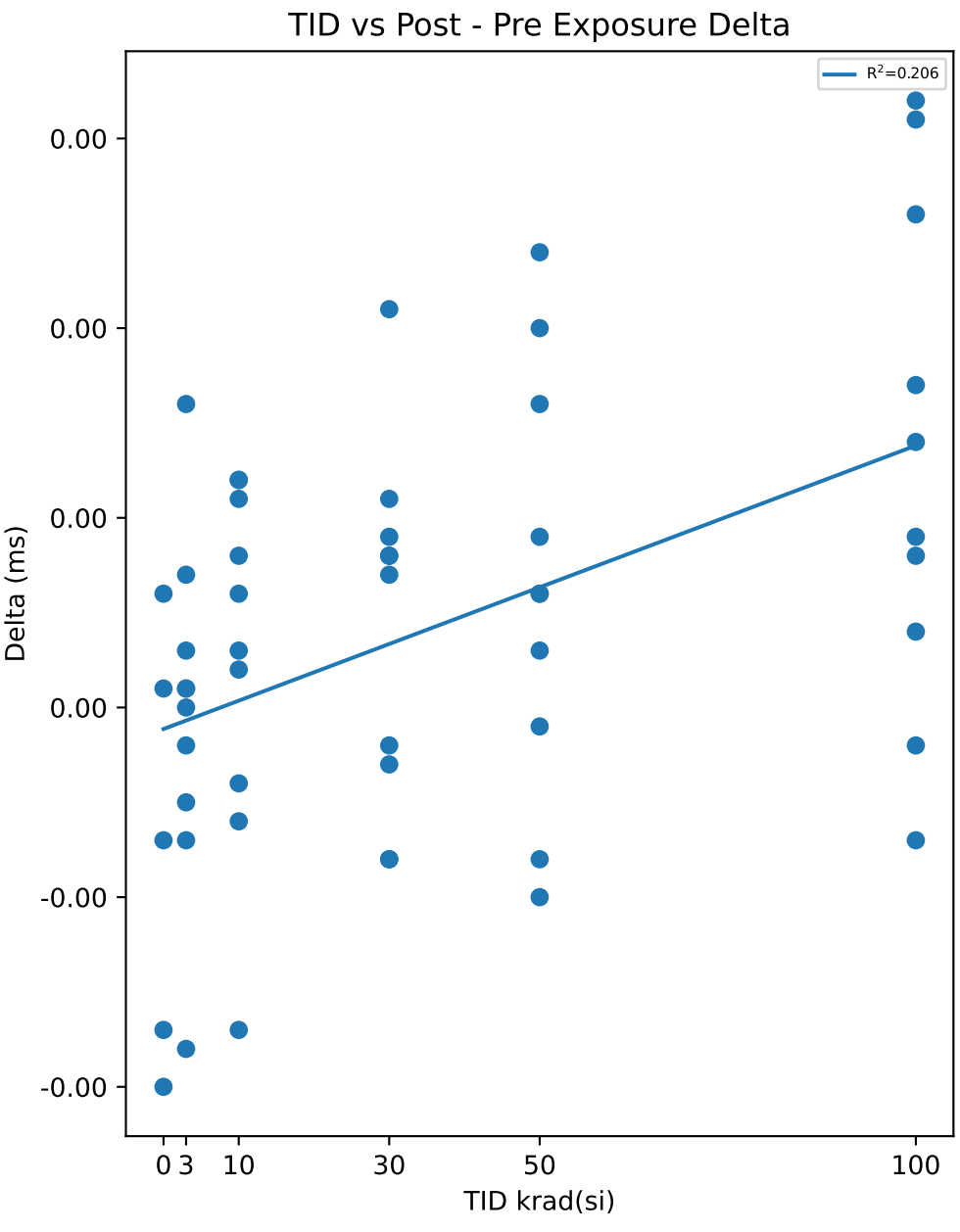
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2647	0.2644	-0.0003
2	3	Biased	0.275	0.274	-0.001
3	3	Biased	0.2737	0.2748	0.0011
4	3	Biased	0.2748	0.2745	-0.0003
5	3	Biased	0.267	0.2671	0.0001
6	3	Unbiased	0.2737	0.2743	0.0006
7	3	Unbiased	0.2744	0.2747	0.0003
8	3	Unbiased	0.2681	0.2681	0
9	3	Unbiased	0.2756	0.2753	-0.0003
10	3	Unbiased	0.2735	0.275	0.0015
11	10	Biased	0.2764	0.2753	-0.0011
12	10	Biased	0.2749	0.2746	-0.0003
13	10	Biased	0.2736	0.2744	0.0008
14	10	Biased	0.2672	0.2672	0
15	10	Biased	0.2746	0.2742	-0.0004
16	10	Unbiased	0.2677	0.2666	-0.0011
17	10	Unbiased	0.2734	0.2741	0.0007
18	10	Unbiased	0.2658	0.2658	0
19	10	Unbiased	0.2747	0.2746	-0.0001
20	10	Unbiased	0.273	0.2736	0.0006
21	30	Biased	0.2756	0.2767	0.0011
22	30	Biased	0.2758	0.2779	0.0021
23	30	Biased	0.2736	0.2736	0
24	30	Biased	0.2665	0.2673	0.0008
25	30	Biased	0.2647	0.2654	0.0007
26	30	Unbiased	0.2754	0.2739	-0.0015
27	30	Unbiased	0.266	0.2687	0.0027
28	30	Unbiased	0.2721	0.2737	0.0016
29	30	Unbiased	0.2759	0.2765	0.0006
30	30	Unbiased	0.2752	0.2749	-0.0003
31	50	Biased	0.2774	0.2773	-0.0001
32	50	Biased	0.2717	0.2729	0.0012
33	50	Biased	0.2761	0.2763	0.0002
34	50	Biased	0.2684	0.2694	0.001
35	50	Biased	0.2683	0.2706	0.0023
36	50	Unbiased	0.276	0.2765	0.0005
37	50	Unbiased	0.2669	0.2673	0.0004
38	50	Unbiased	0.2762	0.277	0.0008
39	50	Unbiased	0.2745	0.2761	0.0016
40	50	Unbiased	0.2743	0.2747	0.0004
41	100	Biased	0.2732	0.2747	0.0015
42	100	Biased	0.2743	0.2751	0.0008
43	100	Biased	0.2741	0.2768	0.0027
44	100	Biased	0.2748	0.2767	0.0019
45	100	Biased	0.2678	0.2699	0.0021
46	100	Unbiased	0.2748	0.2766	0.0018
47	100	Unbiased	0.2731	0.2746	0.0015
48	100	Unbiased	0.2744	0.2755	0.0011
49	100	Unbiased	0.2739	0.2742	0.0003
50	100	Unbiased	0.2674	0.2707	0.0033
51	0	Correlation	0.2747	0.2747	0
53	0	Correlation	0.2739	0.2738	-0.0001
54	0	Correlation	0.2683	0.2674	-0.0009
55	0	Correlation	0.2735	0.2735	0
56	0	Correlation	0.2761	0.2759	-0.0002

Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2683	0.2733	0.2761	0.0029665	0.2674	0.27306	0.2759	0.0032989	-0.0009	-0.00024	0	0.00037815
3	0.2647	0.27205	0.2756	0.0039025	0.2644	0.27222	0.2753	0.0040422	-0.001	0.00017	0.0015	0.00073794
10	0.2658	0.27213	0.2764	0.0037586	0.2658	0.27204	0.2753	0.0038385	-0.0011	-9e-05	0.0008	0.00067404
30	0.2647	0.27208	0.2759	0.0045516	0.2654	0.27286	0.2779	0.0042657	-0.0015	0.00078	0.0027	0.0012118
50	0.2669	0.27298	0.2774	0.0038629	0.2673	0.27381	0.2773	0.0035713	-0.0001	0.00083	0.0023	0.00071964
100	0.2674	0.27278	0.2748	0.0027912	0.2699	0.27448	0.2768	0.0023953	0.0003	0.0017	0.0033	0.00088066

Device Test: 5.25; DLY_TMR_10KOHM





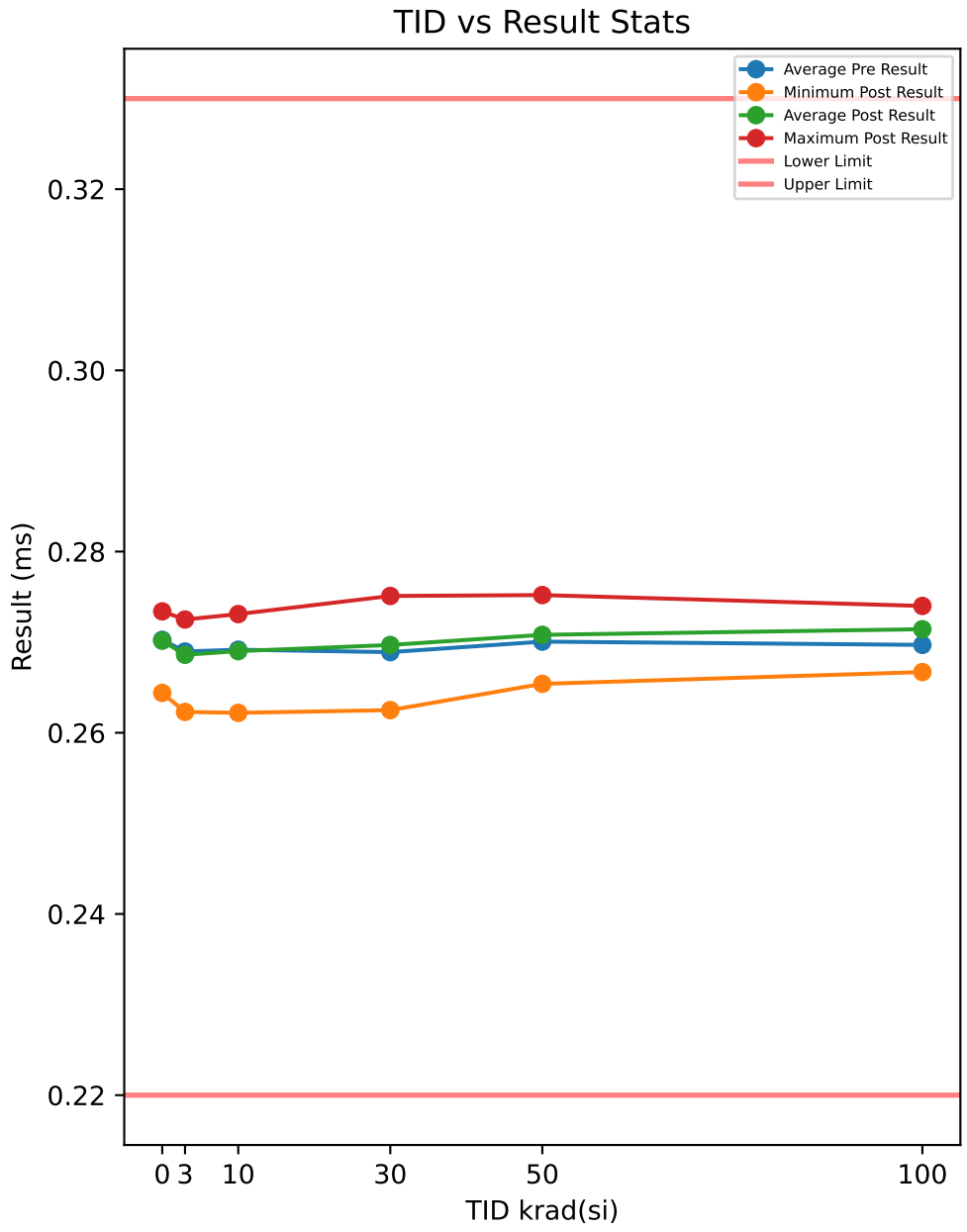
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

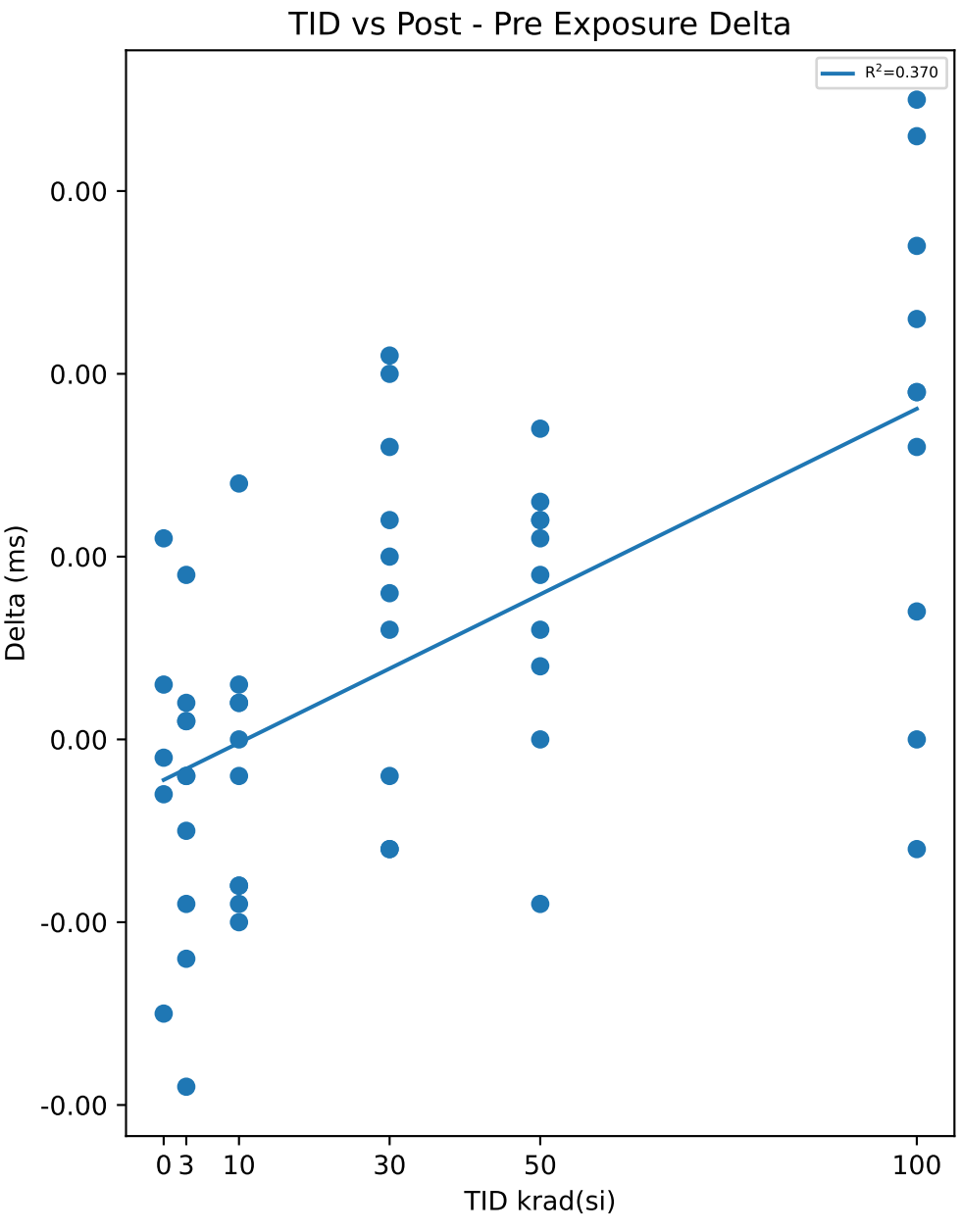
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2609	0.261	0.0001
2	3	Biased	0.2719	0.2701	-0.0018
3	3	Biased	0.2721	0.2716	-0.0005
4	3	Biased	0.2709	0.2716	0.0007
5	3	Biased	0.2637	0.264	0.0003
6	3	Unbiased	0.2698	0.2714	0.0016
7	3	Unbiased	0.2724	0.2717	-0.0007
8	3	Unbiased	0.2654	0.2655	0.0001
9	3	Unbiased	0.2724	0.2722	-0.0002
10	3	Unbiased	0.2709	0.2709	0
11	10	Biased	0.2731	0.2714	-0.0017
12	10	Biased	0.2715	0.2727	0.0012
13	10	Biased	0.2711	0.2723	0.0012
14	10	Biased	0.264	0.2646	0.0006
15	10	Biased	0.2717	0.2711	-0.0006
16	10	Unbiased	0.2639	0.2642	0.0003
17	10	Unbiased	0.2703	0.2714	0.0011
18	10	Unbiased	0.262	0.2622	0.0002
19	10	Unbiased	0.2721	0.2717	-0.0004
20	10	Unbiased	0.2692	0.27	0.0008
21	30	Biased	0.2737	0.2745	0.0008
22	30	Biased	0.2728	0.2739	0.0011
23	30	Biased	0.2713	0.2711	-0.0002
24	30	Biased	0.2629	0.2638	0.0009
25	30	Biased	0.2606	0.2627	0.0021
26	30	Unbiased	0.2726	0.2718	-0.0008
27	30	Unbiased	0.2629	0.2637	0.0008
28	30	Unbiased	0.2703	0.2695	-0.0008
29	30	Unbiased	0.2734	0.2731	-0.0003
30	30	Unbiased	0.2708	0.2715	0.0007
31	50	Biased	0.2747	0.2737	-0.001
32	50	Biased	0.2694	0.2693	-0.0001
33	50	Biased	0.2733	0.2742	0.0009
34	50	Biased	0.2646	0.2662	0.0016
35	50	Biased	0.2666	0.2672	0.0006
36	50	Unbiased	0.2718	0.2738	0.002
37	50	Unbiased	0.2626	0.265	0.0024
38	50	Unbiased	0.2725	0.2728	0.0003
39	50	Unbiased	0.2729	0.2721	-0.0008
40	50	Unbiased	0.2714	0.272	0.0006
41	100	Biased	0.2693	0.2724	0.0031
42	100	Biased	0.2711	0.2715	0.0004
43	100	Biased	0.2724	0.2733	0.0009
44	100	Biased	0.2702	0.2734	0.0032
45	100	Biased	0.2634	0.266	0.0026
46	100	Unbiased	0.2717	0.2731	0.0014
47	100	Unbiased	0.2701	0.2699	-0.0002
48	100	Unbiased	0.2708	0.2716	0.0008
49	100	Unbiased	0.2725	0.2718	-0.0007
50	100	Unbiased	0.2643	0.266	0.0017
51	0	Correlation	0.2715	0.2721	0.0006
53	0	Correlation	0.271	0.269	-0.002
54	0	Correlation	0.2649	0.265	0.0001
55	0	Correlation	0.2719	0.2702	-0.0017
56	0	Correlation	0.2736	0.2729	-0.0007

Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2649	0.27058	0.2736	0.0033222	0.265	0.26984	0.2729	0.0031118	-0.002	-0.00074	0.0006	0.0011194
3	0.2609	0.26904	0.2724	0.0041586	0.261	0.269	0.2722	0.0039844	-0.0018	-4e-05	0.0016	0.00089219
10	0.262	0.26889	0.2731	0.0040275	0.2622	0.26916	0.2727	0.0039042	-0.0017	0.00027	0.0012	0.00093696
30	0.2606	0.26913	0.2737	0.0049876	0.2627	0.26956	0.2745	0.0044908	-0.0008	0.00043	0.0021	0.00092862
50	0.2626	0.26998	0.2747	0.0040644	0.265	0.27063	0.2742	0.003429	-0.001	0.00065	0.0024	0.0011237
100	0.2634	0.26958	0.2725	0.0031898	0.266	0.2709	0.2734	0.0027845	-0.0007	0.00132	0.0032	0.0013406

Device Test: 5.26; DLY_TMR_10KOHM





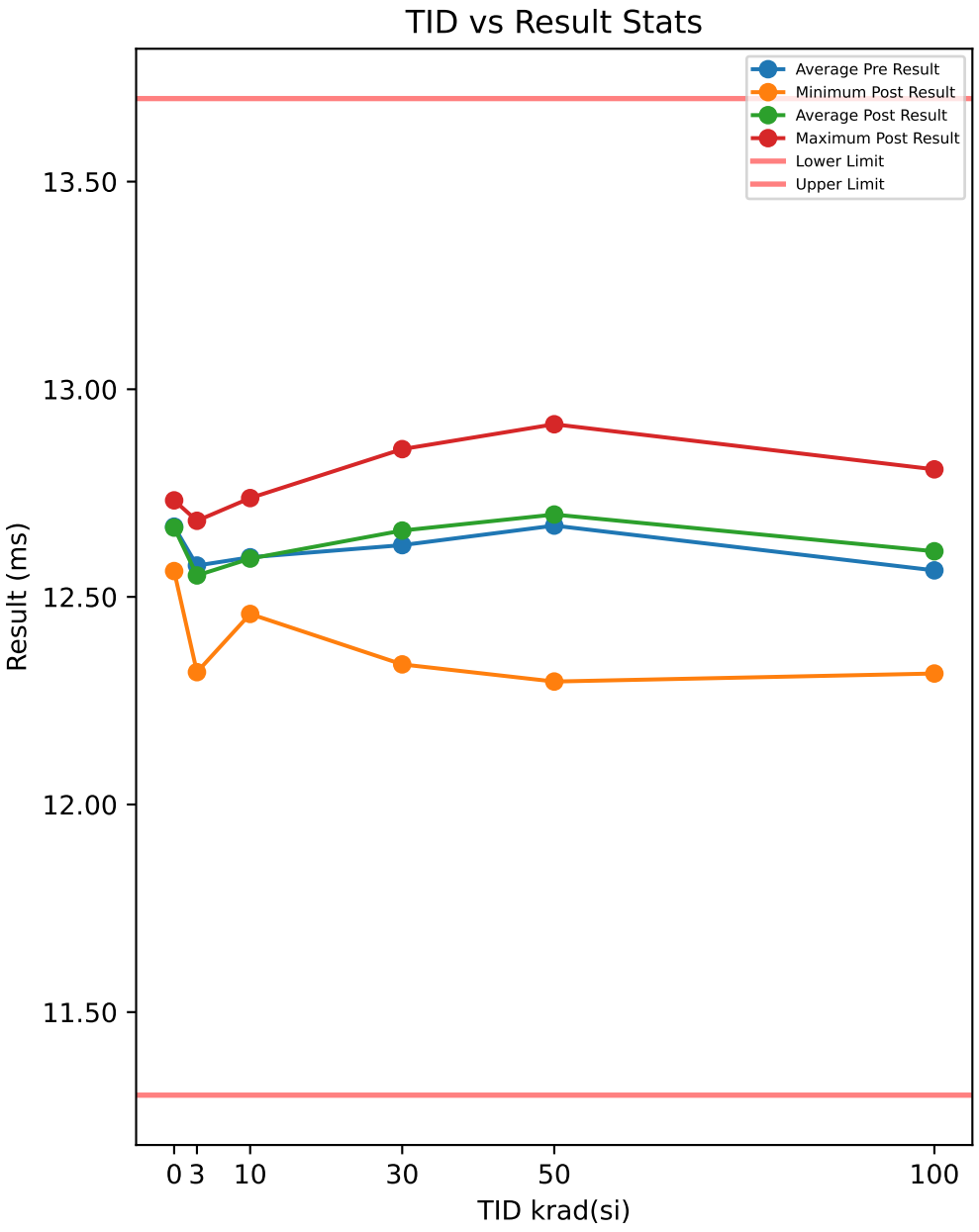
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

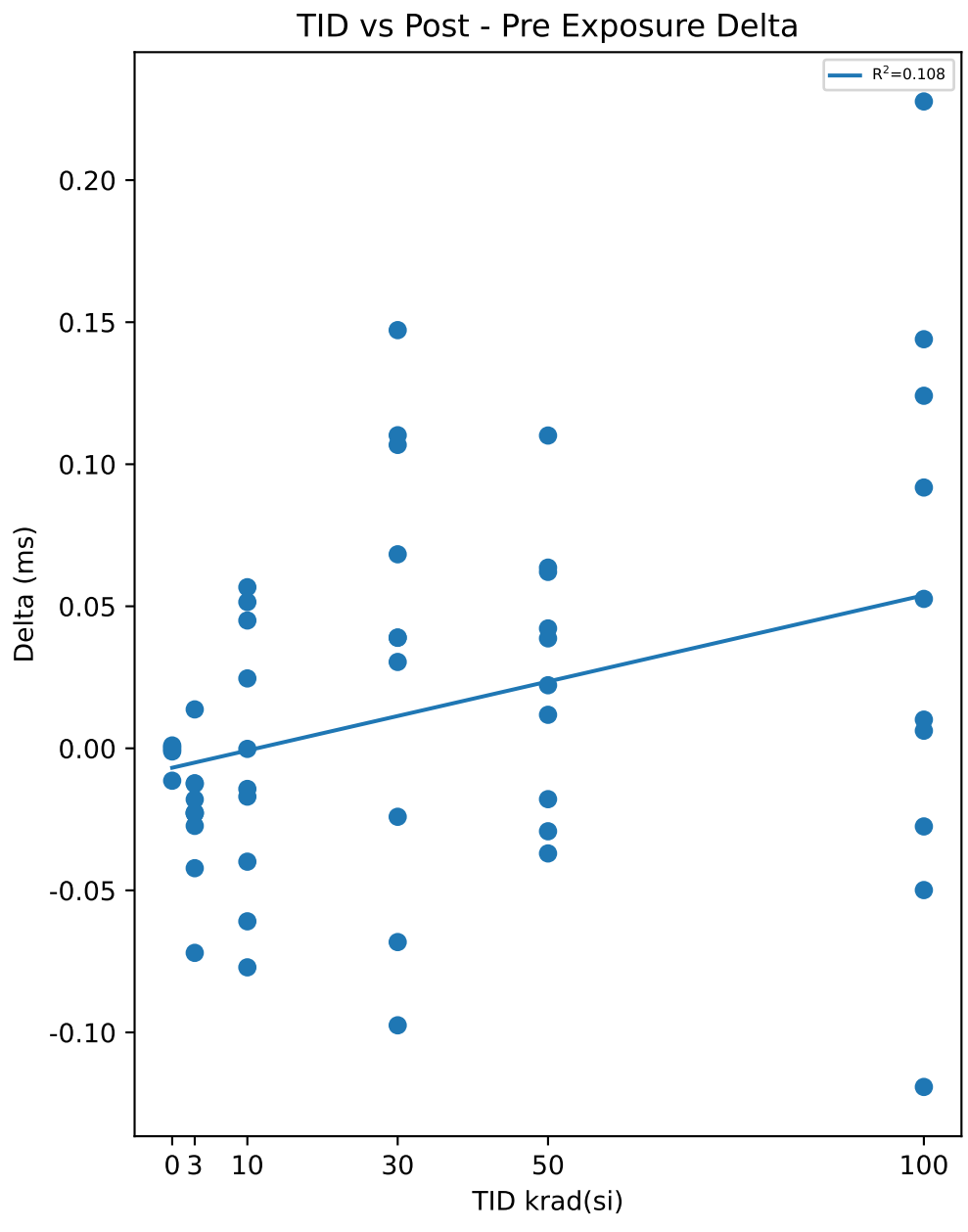
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2614	0.2623	0.0009
2	3	Biased	0.2703	0.2704	0.0001
3	3	Biased	0.271	0.2705	-0.0005
4	3	Biased	0.272	0.2711	-0.0009
5	3	Biased	0.2638	0.264	0.0002
6	3	Unbiased	0.2698	0.2696	-0.0002
7	3	Unbiased	0.2718	0.2706	-0.0012
8	3	Unbiased	0.2649	0.2647	-0.0002
9	3	Unbiased	0.2724	0.2725	0.0001
10	3	Unbiased	0.2723	0.2704	-0.0019
11	10	Biased	0.2726	0.2728	0.0002
12	10	Biased	0.2718	0.2709	-0.0009
13	10	Biased	0.2708	0.271	0.0002
14	10	Biased	0.2645	0.2645	0
15	10	Biased	0.2709	0.2701	-0.0008
16	10	Unbiased	0.2651	0.2643	-0.0008
17	10	Unbiased	0.2706	0.2709	0.0003
18	10	Unbiased	0.2632	0.2622	-0.001
19	10	Unbiased	0.2717	0.2731	0.0014
20	10	Unbiased	0.2705	0.2703	-0.0002
21	30	Biased	0.2731	0.2751	0.002
22	30	Biased	0.2736	0.273	-0.0006
23	30	Biased	0.2703	0.2709	0.0006
24	30	Biased	0.2625	0.2637	0.0012
25	30	Biased	0.2609	0.2625	0.0016
26	30	Unbiased	0.2716	0.2714	-0.0002
27	30	Unbiased	0.2644	0.2638	-0.0006
28	30	Unbiased	0.2686	0.2707	0.0021
29	30	Unbiased	0.2716	0.2724	0.0008
30	30	Unbiased	0.2724	0.2734	0.001
31	50	Biased	0.274	0.2752	0.0012
32	50	Biased	0.2699	0.271	0.0011
33	50	Biased	0.2728	0.274	0.0012
34	50	Biased	0.2651	0.2657	0.0006
35	50	Biased	0.2667	0.2658	-0.0009
36	50	Unbiased	0.272	0.2729	0.0009
37	50	Unbiased	0.2637	0.2654	0.0017
38	50	Unbiased	0.2726	0.2739	0.0013
39	50	Unbiased	0.2721	0.2721	0
40	50	Unbiased	0.2717	0.2721	0.0004
41	100	Biased	0.2699	0.2715	0.0016
42	100	Biased	0.2695	0.273	0.0035
43	100	Biased	0.2721	0.274	0.0019
44	100	Biased	0.2701	0.2734	0.0033
45	100	Biased	0.2644	0.2667	0.0023
46	100	Unbiased	0.2724	0.2731	0.0007
47	100	Unbiased	0.2694	0.2713	0.0019
48	100	Unbiased	0.2716	0.2716	0
49	100	Unbiased	0.2728	0.2722	-0.0006
50	100	Unbiased	0.2648	0.2675	0.0027
51	0	Correlation	0.2717	0.2728	0.0011
53	0	Correlation	0.2699	0.2696	-0.0003
54	0	Correlation	0.2659	0.2644	-0.0015
55	0	Correlation	0.2703	0.2706	0.0003
56	0	Correlation	0.2735	0.2734	-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	0.2659	0.27026	0.2735	0.0028157	0.2644	0.27016	0.2734	0.003576	-0.0015	-0.0001	0.0011	0.00094868
3	0.2614	0.26897	0.2724	0.0040445	0.2623	0.26861	0.2725	0.0035372	-0.0019	-0.00036	0.0009	0.00080028
10	0.2632	0.26917	0.2726	0.0034731	0.2622	0.26901	0.2731	0.0038579	-0.001	-0.00016	0.0014	0.00074565
30	0.2609	0.2689	0.2736	0.0046406	0.2625	0.26969	0.2751	0.0045827	-0.0006	0.00079	0.0021	0.00099605
50	0.2637	0.27006	0.274	0.0035973	0.2654	0.27081	0.2752	0.0037596	-0.0009	0.00075	0.0017	0.00075902
100	0.2644	0.2697	0.2728	0.0029571	0.2667	0.27143	0.274	0.002454	-0.0006	0.00173	0.0035	0.0013508

Device Test: 5.27; DLY_TMR_500KOHM





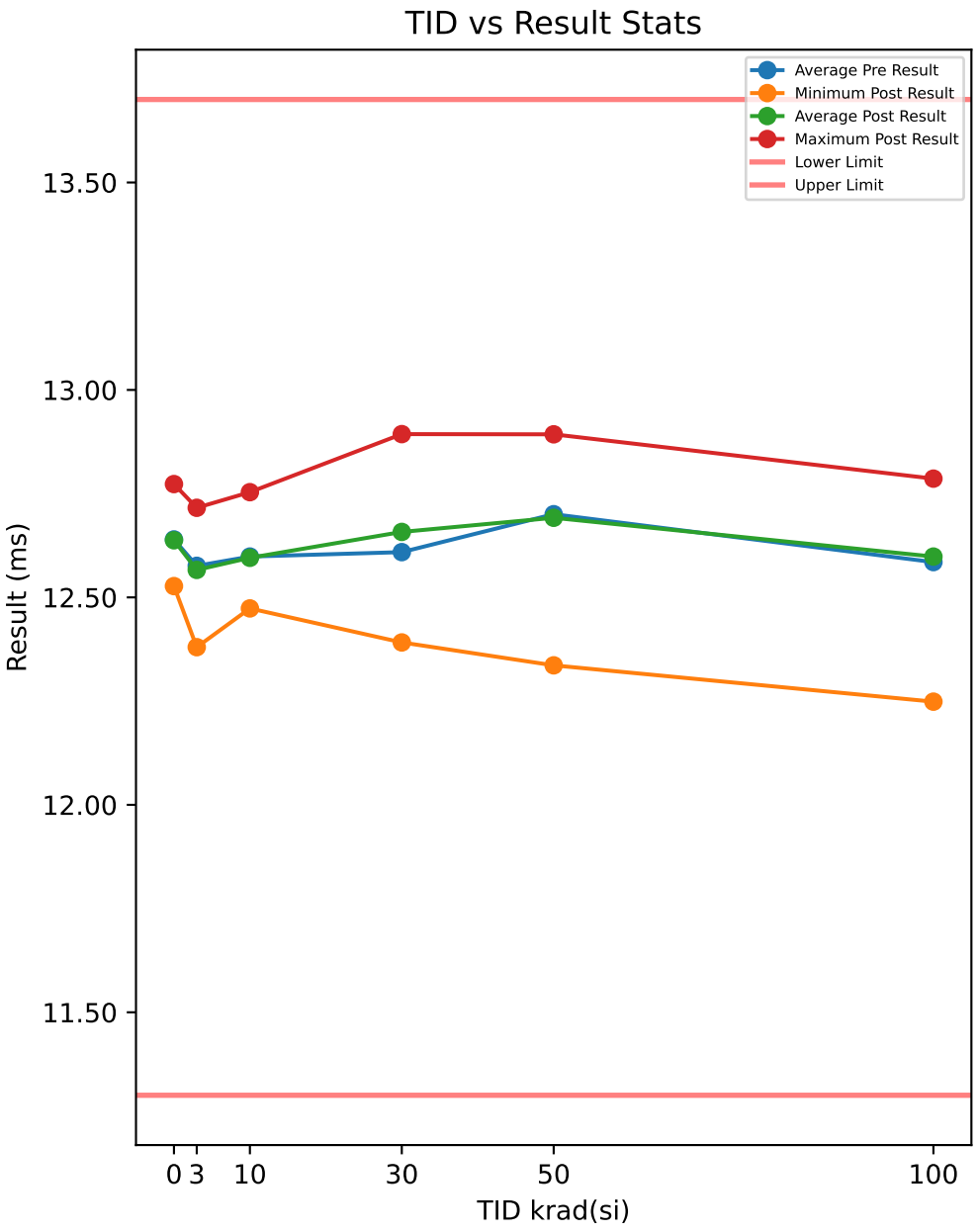
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

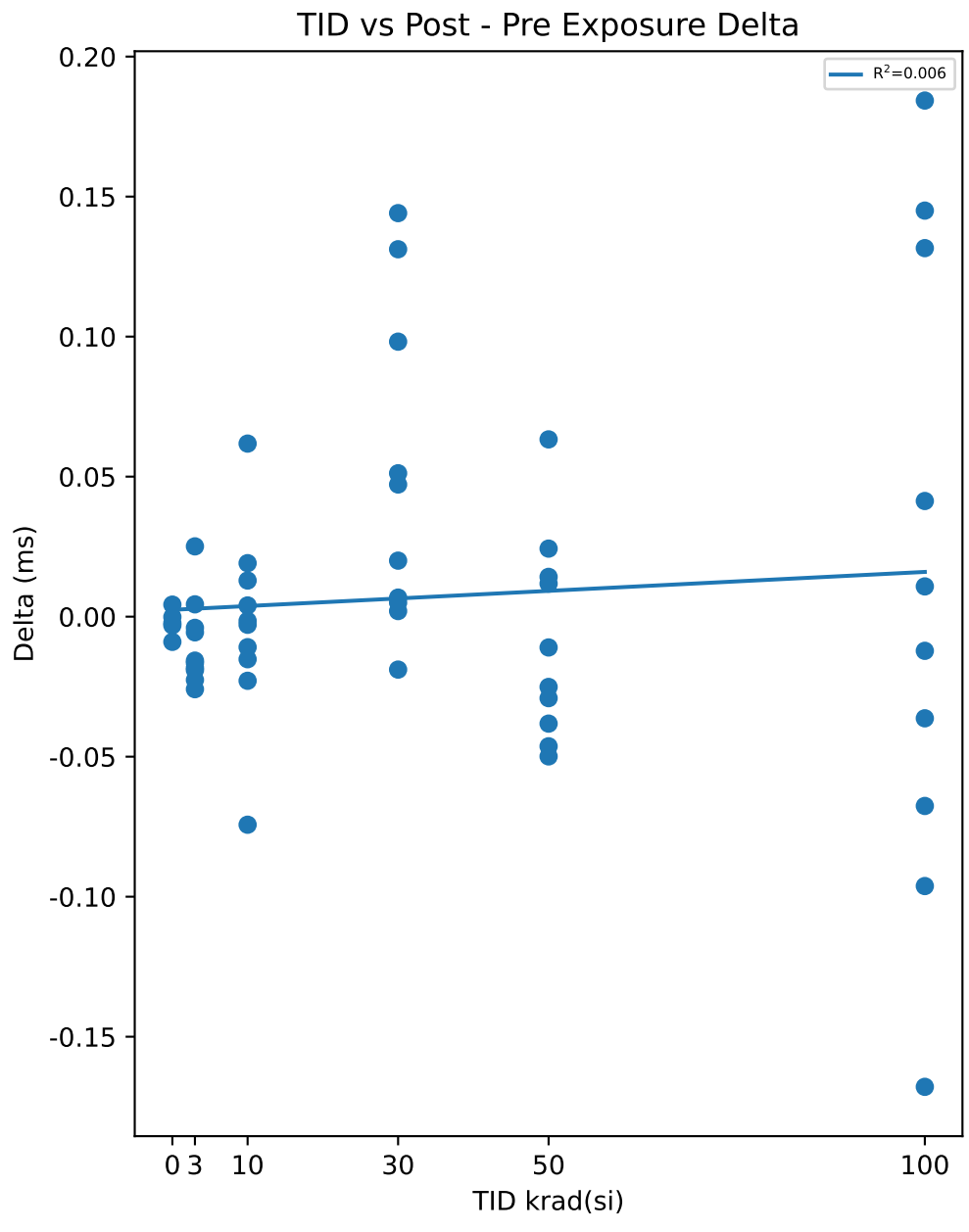
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.337	12.319	-0.018
2	3	Biased	12.574	12.551	-0.0229
3	3	Biased	12.706	12.683	-0.0228
4	3	Biased	12.675	12.633	-0.0422
5	3	Biased	12.408	12.396	-0.0125
6	3	Unbiased	12.476	12.49	0.0137
7	3	Unbiased	12.741	12.669	-0.072
8	3	Unbiased	12.685	12.658	-0.0273
9	3	Unbiased	12.692	12.67	-0.0226
10	3	Unbiased	12.461	12.448	-0.0123
11	10	Biased	12.435	12.492	0.0567
12	10	Biased	12.702	12.641	-0.0609
13	10	Biased	12.491	12.491	-0.0002
14	10	Biased	12.694	12.677	-0.017
15	10	Biased	12.499	12.459	-0.0399
16	10	Unbiased	12.713	12.738	0.0246
17	10	Unbiased	12.72	12.706	-0.0143
18	10	Unbiased	12.444	12.489	0.045
19	10	Unbiased	12.646	12.698	0.0515
20	10	Unbiased	12.609	12.532	-0.0771
21	30	Biased	12.715	12.754	0.039
22	30	Biased	12.608	12.638	0.0304
23	30	Biased	12.787	12.856	0.0683
24	30	Biased	12.406	12.337	-0.0682
25	30	Biased	12.557	12.533	-0.0241
26	30	Unbiased	12.725	12.627	-0.0975
27	30	Unbiased	12.518	12.665	0.1472
28	30	Unbiased	12.62	12.727	0.1068
29	30	Unbiased	12.639	12.678	0.0389
30	30	Unbiased	12.672	12.782	0.1102
31	50	Biased	12.737	12.776	0.0387
32	50	Biased	12.38	12.351	-0.0292
33	50	Biased	12.693	12.803	0.1101
34	50	Biased	12.893	12.916	0.0222
35	50	Biased	12.733	12.715	-0.0179
36	50	Unbiased	12.638	12.649	0.0118
37	50	Unbiased	12.333	12.296	-0.037
38	50	Unbiased	12.801	12.863	0.0621
39	50	Unbiased	12.753	12.795	0.0422
40	50	Unbiased	12.756	12.819	0.0636
41	100	Biased	12.469	12.696	0.2277
42	100	Biased	12.472	12.444	-0.0275
43	100	Biased	12.474	12.598	0.1241
44	100	Biased	12.758	12.639	-0.1192
45	100	Biased	12.365	12.315	-0.0499
46	100	Unbiased	12.782	12.788	0.0062
47	100	Unbiased	12.746	12.756	0.0101
48	100	Unbiased	12.418	12.51	0.0918
49	100	Unbiased	12.755	12.807	0.0526
50	100	Unbiased	12.399	12.543	0.144
51	0	Correlation	12.723	12.724	0.001
53	0	Correlation	12.733	12.732	-0.0011
54	0	Correlation	12.573	12.562	-0.0114
55	0	Correlation	12.682	12.682	0.0004
56	0	Correlation	12.633	12.633	-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	12.573	12.669	12.733	0.066521	12.562	12.667	12.732	0.070697	-0.0114	-0.0023	0.001	0.0051488
3	12.337	12.575	12.741	0.14457	12.319	12.552	12.683	0.13164	-0.072	-0.02389	0.0137	0.022053
10	12.435	12.595	12.72	0.11653	12.459	12.592	12.738	0.1092	-0.0771	-0.00316	0.0567	0.047301
30	12.406	12.625	12.787	0.1113	12.337	12.66	12.856	0.14483	-0.0975	0.0351	0.1472	0.079064
50	12.333	12.672	12.893	0.17922	12.296	12.698	12.916	0.211	-0.037	0.02666	0.1101	0.04639
100	12.365	12.564	12.782	0.17266	12.315	12.61	12.807	0.15956	-0.1192	0.04599	0.2277	0.10308

Device Test: 5.28; DLY_TMR_500KOHM





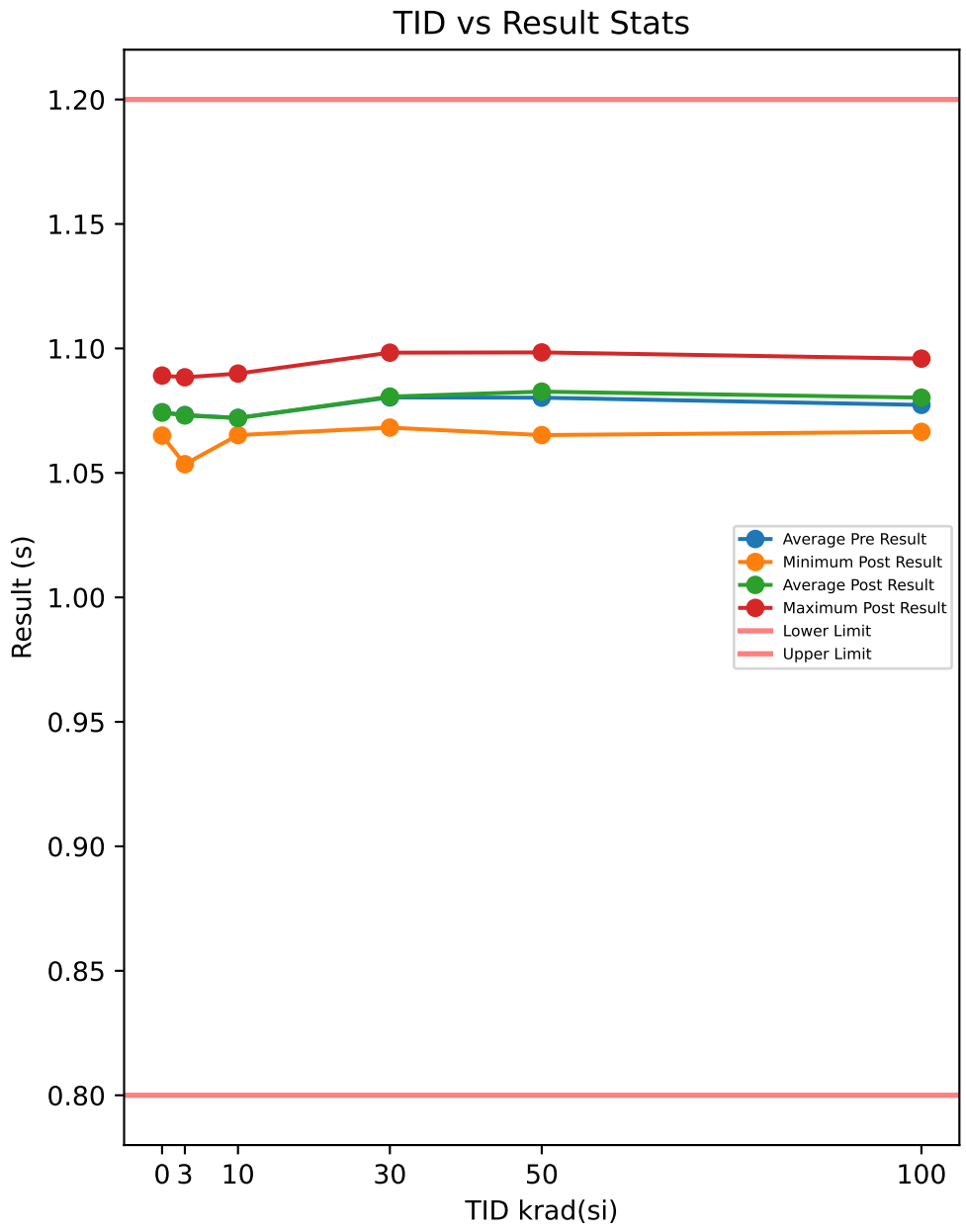
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.386	12.38	-0.0056
2	3	Biased	12.606	12.589	-0.0165
3	3	Biased	12.656	12.633	-0.0226
4	3	Biased	12.623	12.607	-0.0157
5	3	Biased	12.46	12.441	-0.0191
6	3	Unbiased	12.55	12.524	-0.0259
7	3	Unbiased	12.691	12.716	0.0251
8	3	Unbiased	12.637	12.641	0.0044
9	3	Unbiased	12.641	12.637	-0.004
10	3	Unbiased	12.512	12.493	-0.0183
11	10	Biased	12.484	12.473	-0.0109
12	10	Biased	12.641	12.567	-0.0743
13	10	Biased	12.541	12.54	-0.0015
14	10	Biased	12.645	12.658	0.0129
15	10	Biased	12.549	12.526	-0.0229
16	10	Unbiased	12.697	12.694	-0.0029
17	10	Unbiased	12.769	12.754	-0.0152
18	10	Unbiased	12.482	12.544	0.0618
19	10	Unbiased	12.618	12.637	0.0191
20	10	Unbiased	12.559	12.563	0.004
21	30	Biased	12.672	12.803	0.1312
22	30	Biased	12.559	12.579	0.02
23	30	Biased	12.846	12.893	0.0472
24	30	Biased	12.389	12.391	0.002
25	30	Biased	12.509	12.514	0.005
26	30	Unbiased	12.674	12.655	-0.0189
27	30	Unbiased	12.471	12.615	0.1441
28	30	Unbiased	12.657	12.664	0.0068
29	30	Unbiased	12.59	12.642	0.0512
30	30	Unbiased	12.722	12.821	0.0982
31	50	Biased	12.787	12.74	-0.0463
32	50	Biased	12.429	12.404	-0.0251
33	50	Biased	12.741	12.755	0.0142
34	50	Biased	12.931	12.893	-0.0382
35	50	Biased	12.683	12.654	-0.0291
36	50	Unbiased	12.589	12.601	0.0118
37	50	Unbiased	12.386	12.336	-0.0499
38	50	Unbiased	12.852	12.841	-0.011
39	50	Unbiased	12.8	12.824	0.0243
40	50	Unbiased	12.807	12.87	0.0633
41	100	Biased	12.531	12.663	0.1316
42	100	Biased	12.51	12.521	0.0108
43	100	Biased	12.55	12.538	-0.0122
44	100	Biased	12.704	12.608	-0.0962
45	100	Biased	12.417	12.249	-0.1679
46	100	Unbiased	12.818	12.751	-0.0676
47	100	Unbiased	12.695	12.736	0.0413
48	100	Unbiased	12.365	12.549	0.1843
49	100	Unbiased	12.822	12.786	-0.0363
50	100	Unbiased	12.439	12.584	0.145
51	0	Correlation	12.773	12.773	-0.0001
53	0	Correlation	12.682	12.68	-0.0023
54	0	Correlation	12.523	12.527	0.0043
55	0	Correlation	12.634	12.631	-0.0031
56	0	Correlation	12.586	12.577	-0.009

Test Statistics (ms)

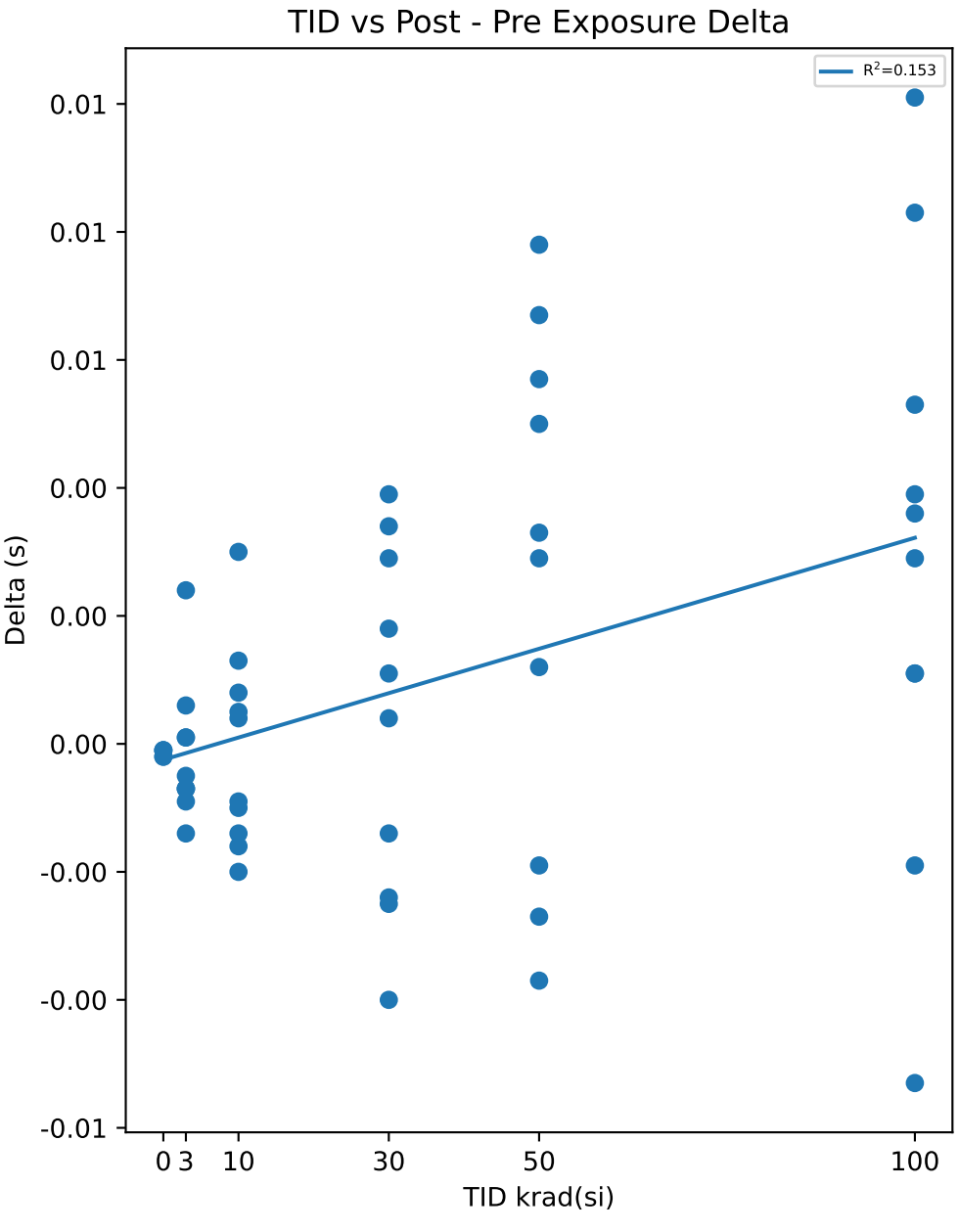
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.523	12.64	12.773	0.095077	12.527	12.638	12.773	0.094898	-0.009	-0.00204	0.0043	0.0048371
3	12.386	12.576	12.691	0.097355	12.38	12.566	12.716	0.10405	-0.0259	-0.00982	0.0251	0.015393
10	12.482	12.598	12.769	0.092479	12.473	12.595	12.754	0.086768	-0.0743	-0.00299	0.0618	0.034452
30	12.389	12.609	12.846	0.13319	12.391	12.658	12.893	0.1502	-0.0189	0.04868	0.1441	0.057354
50	12.386	12.7	12.931	0.18007	12.336	12.692	12.893	0.19367	-0.0499	-0.0086	0.0633	0.036346
100	12.365	12.585	12.822	0.16497	12.249	12.598	12.786	0.15497	-0.1679	0.01328	0.1843	0.11346

Device Test: 5.29; WD_TMR_500KOHM



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

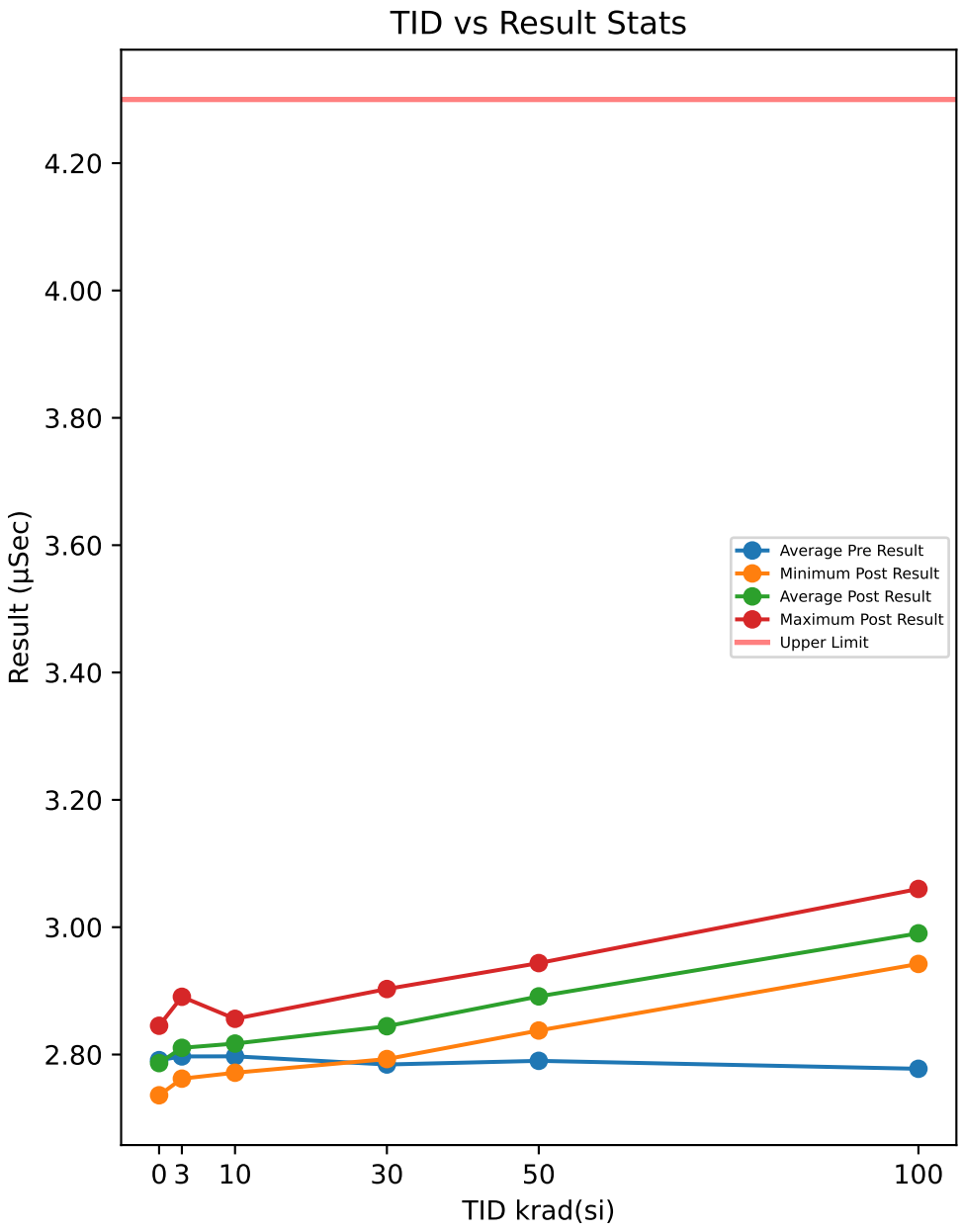
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.0753	1.0748	-0.0005
2	3	Biased	1.0544	1.0535	-0.0009
3	3	Biased	1.0642	1.0643	0.0001
4	3	Biased	1.0891	1.0884	-0.0007
5	3	Biased	1.0679	1.0672	-0.0007
6	3	Unbiased	1.0839	1.0845	0.0006
7	3	Unbiased	1.074	1.0726	-0.0014
8	3	Unbiased	1.056	1.0553	-0.0007
9	3	Unbiased	1.084	1.0841	0.0001
10	3	Unbiased	1.0837	1.0861	0.0024
11	10	Biased	1.0684	1.0664	-0.002
12	10	Biased	1.0749	1.0739	-0.001
13	10	Biased	1.0895	1.0899	0.0004
14	10	Biased	1.0668	1.0654	-0.0014
15	10	Biased	1.0673	1.0664	-0.0009
16	10	Unbiased	1.0735	1.0743	0.0008
17	10	Unbiased	1.0622	1.0652	0.003
18	10	Unbiased	1.0788	1.0772	-0.0016
19	10	Unbiased	1.0714	1.0727	0.0013
20	10	Unbiased	1.0682	1.0687	0.0005
21	30	Biased	1.0715	1.0691	-0.0024
22	30	Biased	1.0944	1.0904	-0.004
23	30	Biased	1.089	1.0924	0.0034
24	30	Biased	1.0759	1.0788	0.0029
25	30	Biased	1.0833	1.0808	-0.0025
26	30	Unbiased	1.0664	1.0682	0.0018
27	30	Unbiased	1.0735	1.0721	-0.0014
28	30	Unbiased	1.0745	1.0749	0.0004
29	30	Unbiased	1.0944	1.0983	0.0039
30	30	Unbiased	1.0804	1.0815	0.0011
31	50	Biased	1.0843	1.0855	0.0012
32	50	Biased	1.081	1.0839	0.0029
33	50	Biased	1.087	1.0903	0.0033
34	50	Biased	1.0774	1.0755	-0.0019
35	50	Biased	1.0917	1.0984	0.0067
36	50	Unbiased	1.0689	1.0652	-0.0037
37	50	Unbiased	1.0881	1.0931	0.005
38	50	Unbiased	1.0771	1.0744	-0.0027
39	50	Unbiased	1.0762	1.084	0.0078
40	50	Unbiased	1.0705	1.0762	0.0057
41	100	Biased	1.0818	1.0829	0.0011
42	100	Biased	1.0824	1.0853	0.0029
43	100	Biased	1.0676	1.0712	0.0036
44	100	Biased	1.0686	1.0787	0.0101
45	100	Biased	1.0769	1.0822	0.0053
46	100	Unbiased	1.0711	1.0722	0.0011
47	100	Unbiased	1.0626	1.0665	0.0039
48	100	Unbiased	1.0861	1.0808	-0.0053
49	100	Unbiased	1.0978	1.0959	-0.0019
50	100	Unbiased	1.0783	1.0866	0.0083
51	0	Correlation	1.0774	1.0773	-0.0001
53	0	Correlation	1.0669	1.0668	-0.0001
54	0	Correlation	1.0732	1.073	-0.0002
55	0	Correlation	1.0652	1.065	-0.0002
56	0	Correlation	1.0892	1.0891	-0.0001

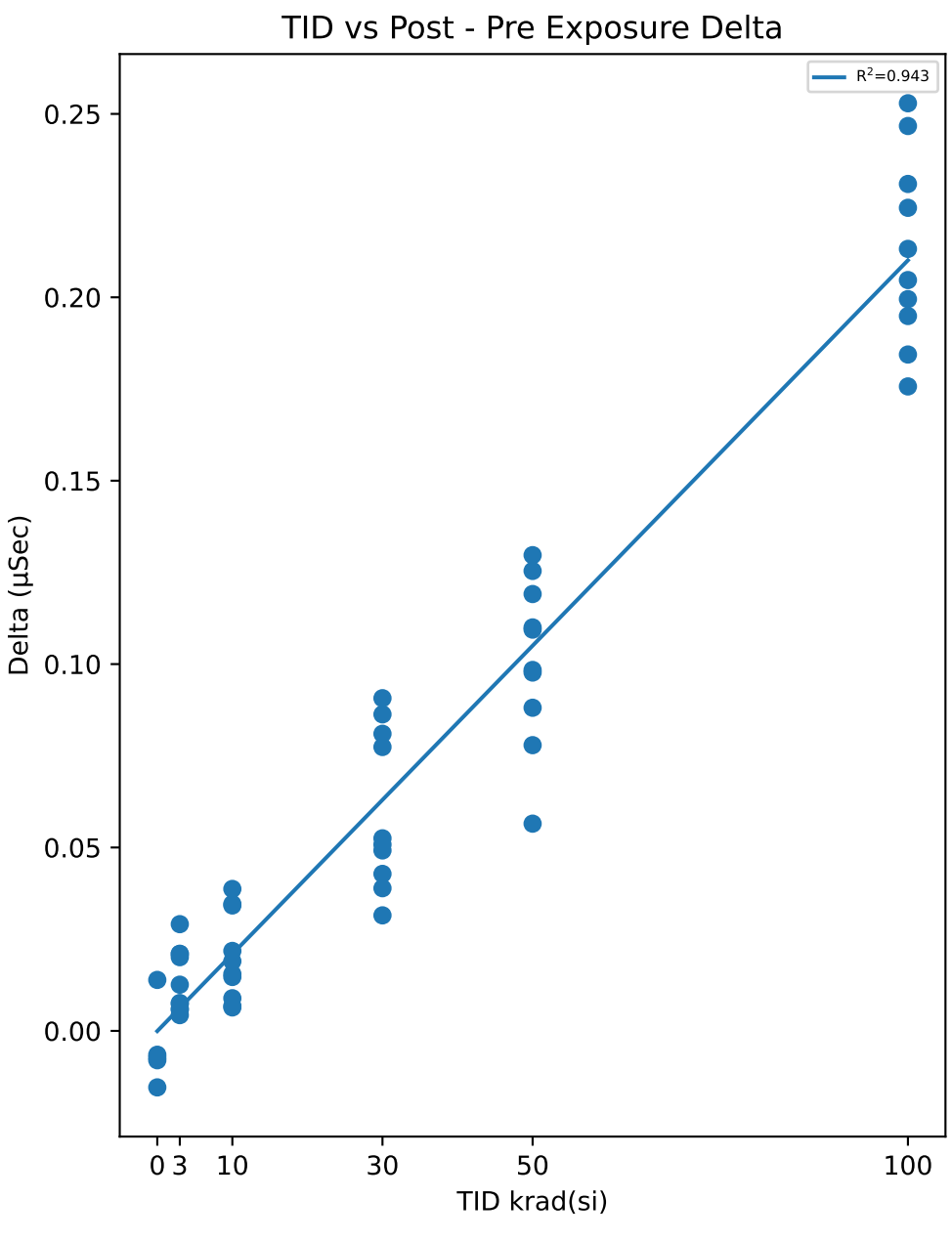


Test Statistics (s)

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	1.0652	1.0744	1.0892	0.0096225	1.065	1.0742	1.0891	0.0096495	-0.0002	-0.00014	-0.0001	5.4772e-05
3	1.0544	1.0733	1.0891	0.012282	1.0535	1.0731	1.0884	0.012782	-0.0014	-0.00017	0.0024	0.0010719
10	1.0622	1.0721	1.0895	0.0077171	1.0652	1.072	1.0899	0.007603	-0.002	-9e-05	0.003	0.0015631
30	1.0664	1.0803	1.0944	0.0097308	1.0682	1.0806	1.0983	0.010238	-0.004	0.00032	0.0039	0.0027636
50	1.0689	1.0802	1.0917	0.0075541	1.0652	1.0826	1.0984	0.0099587	-0.0037	0.00243	0.0078	0.0040757
100	1.0626	1.0773	1.0978	0.010378	1.0665	1.0802	1.0959	0.0085638	-0.0053	0.00291	0.0101	0.0045339

Device Test: 5.3; PROPD_PWRGD





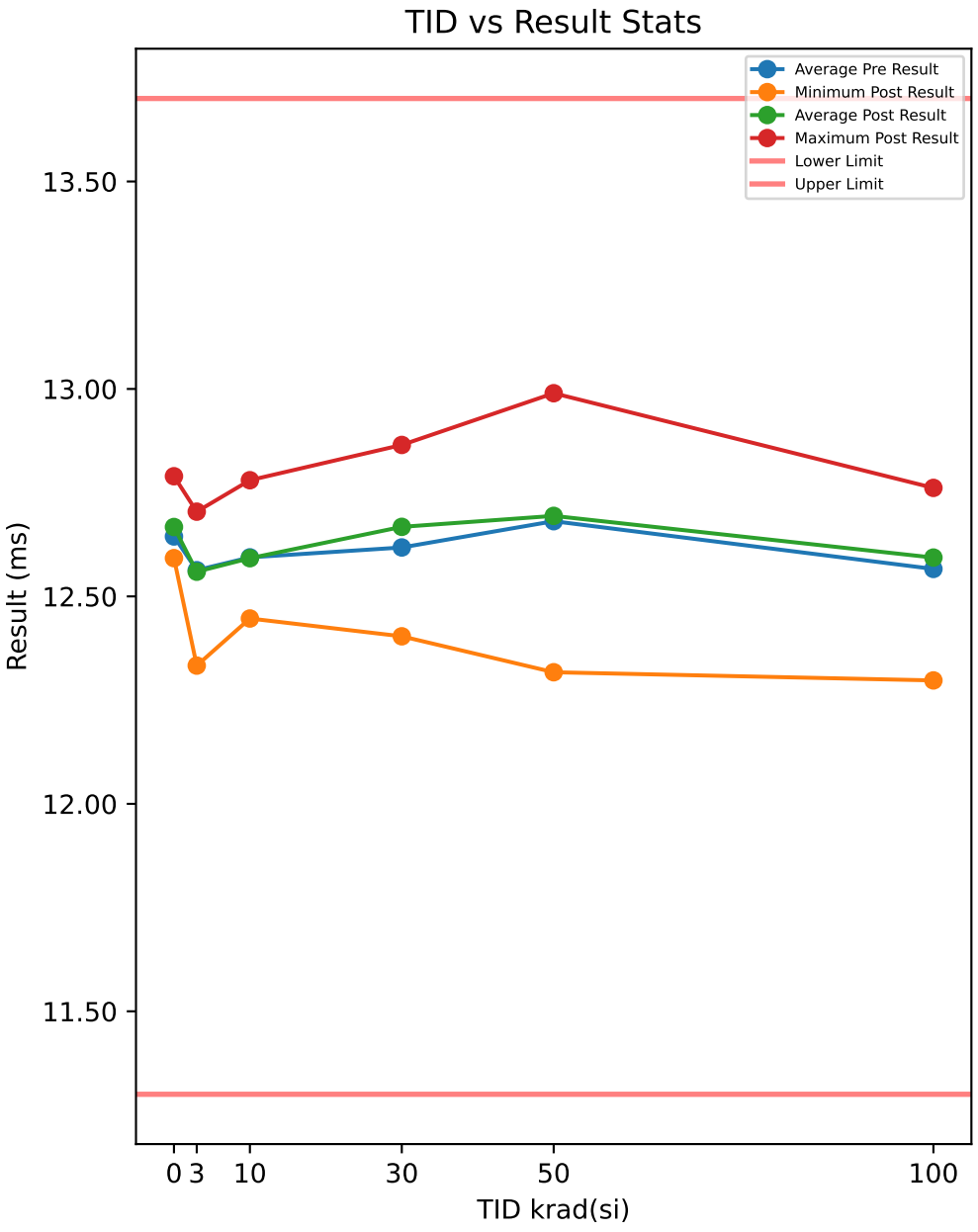
Test Results (Upper Limit = 4.3 (µSec))

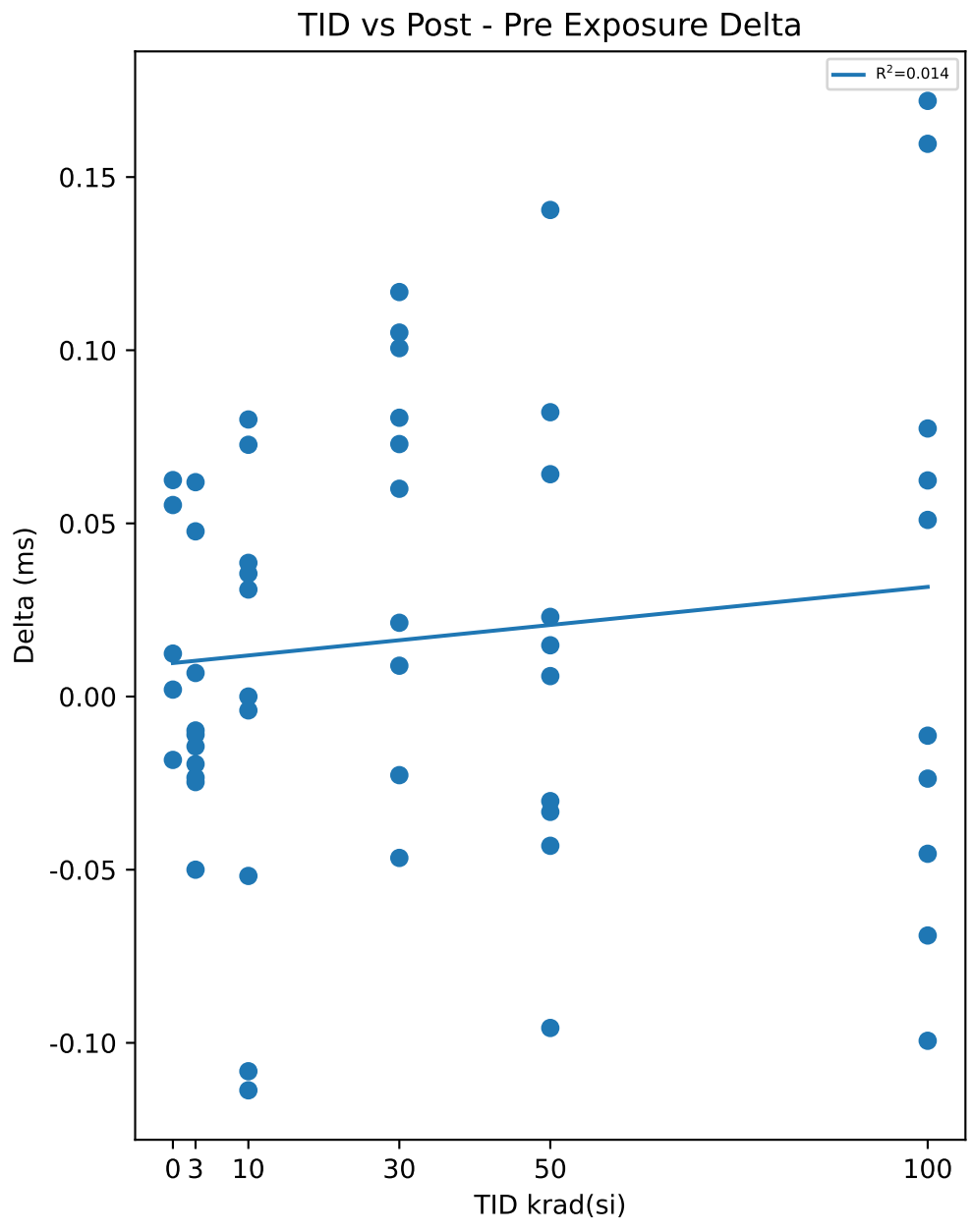
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.8421	2.8495	0.0074
2	3	Biased	2.8616	2.8907	0.0291
3	3	Biased	2.8365	2.8566	0.0201
4	3	Biased	2.7561	2.7621	0.006
5	3	Biased	2.783	2.7956	0.0126
6	3	Unbiased	2.7837	2.7895	0.0058
7	3	Unbiased	2.7591	2.7634	0.0043
8	3	Unbiased	2.7924	2.8134	0.021
9	3	Unbiased	2.7672	2.7882	0.021
10	3	Unbiased	2.7884	2.796	0.0076
11	10	Biased	2.7646	2.7714	0.0068
12	10	Biased	2.8371	2.8561	0.019
13	10	Biased	2.7795	2.8013	0.0218
14	10	Biased	2.7524	2.787	0.0346
15	10	Biased	2.8149	2.8238	0.0089
16	10	Unbiased	2.7767	2.7914	0.0147
17	10	Unbiased	2.844	2.8504	0.0064
18	10	Unbiased	2.8196	2.8538	0.0342
19	10	Unbiased	2.7646	2.8033	0.0387
20	10	Unbiased	2.8182	2.8337	0.0155
21	30	Biased	2.7518	2.7946	0.0428
22	30	Biased	2.7658	2.7973	0.0315
23	30	Biased	2.8297	2.8789	0.0492
24	30	Biased	2.7765	2.8273	0.0508
25	30	Biased	2.7832	2.8357	0.0525
26	30	Unbiased	2.8122	2.9029	0.0907
27	30	Unbiased	2.7854	2.8664	0.081
28	30	Unbiased	2.8234	2.9008	0.0774
29	30	Unbiased	2.7614	2.8477	0.0863
30	30	Unbiased	2.754	2.7929	0.0389
31	50	Biased	2.7812	2.8377	0.0565
32	50	Biased	2.7495	2.8686	0.1191
33	50	Biased	2.7927	2.8706	0.0779
34	50	Biased	2.7859	2.8836	0.0977
35	50	Biased	2.8336	2.9217	0.0881
36	50	Unbiased	2.8336	2.9436	0.11
37	50	Unbiased	2.8088	2.9072	0.0984
38	50	Unbiased	2.7814	2.8908	0.1094
39	50	Unbiased	2.7748	2.9045	0.1297
40	50	Unbiased	2.7594	2.8848	0.1254
41	100	Biased	2.8494	3.0338	0.1844
42	100	Biased	2.7581	2.953	0.1949
43	100	Biased	2.7703	2.975	0.2047
44	100	Biased	2.7492	2.9624	0.2132
45	100	Biased	2.7666	2.9423	0.1757
46	100	Unbiased	2.7886	3.013	0.2244
47	100	Unbiased	2.8134	3.0601	0.2467
48	100	Unbiased	2.7693	2.9688	0.1995
49	100	Unbiased	2.7584	2.9893	0.2309
50	100	Unbiased	2.7528	3.0057	0.2529
51	0	Correlation	2.7848	2.7768	-0.008
53	0	Correlation	2.8313	2.8452	0.0139
54	0	Correlation	2.7861	2.7796	-0.0065
55	0	Correlation	2.8105	2.7951	-0.0154
56	0	Correlation	2.7433	2.736	-0.0073

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	2.7433	2.7912	2.8313	0.032946	2.736	2.7865	2.8452	0.039407	-0.0154	-0.00466	0.0139	0.01097
3	2.7561	2.797	2.8616	0.036867	2.7621	2.8105	2.8907	0.042188	0.0043	0.01349	0.0291	0.0086437
10	2.7524	2.7972	2.844	0.033174	2.7714	2.8172	2.8561	0.030536	0.0064	0.02006	0.0387	0.012016
30	2.7518	2.7843	2.8297	0.028427	2.7929	2.8444	2.9029	0.042173	0.0315	0.06011	0.0907	0.021573
50	2.7495	2.7901	2.8336	0.028163	2.8377	2.8913	2.9436	0.029824	0.0565	0.10122	0.1297	0.022597
100	2.7492	2.7776	2.8494	0.031573	2.9423	2.9903	3.0601	0.037547	0.1757	0.21273	0.2529	0.025745

Device Test: 5.30; DLY_TMR_500KOHM





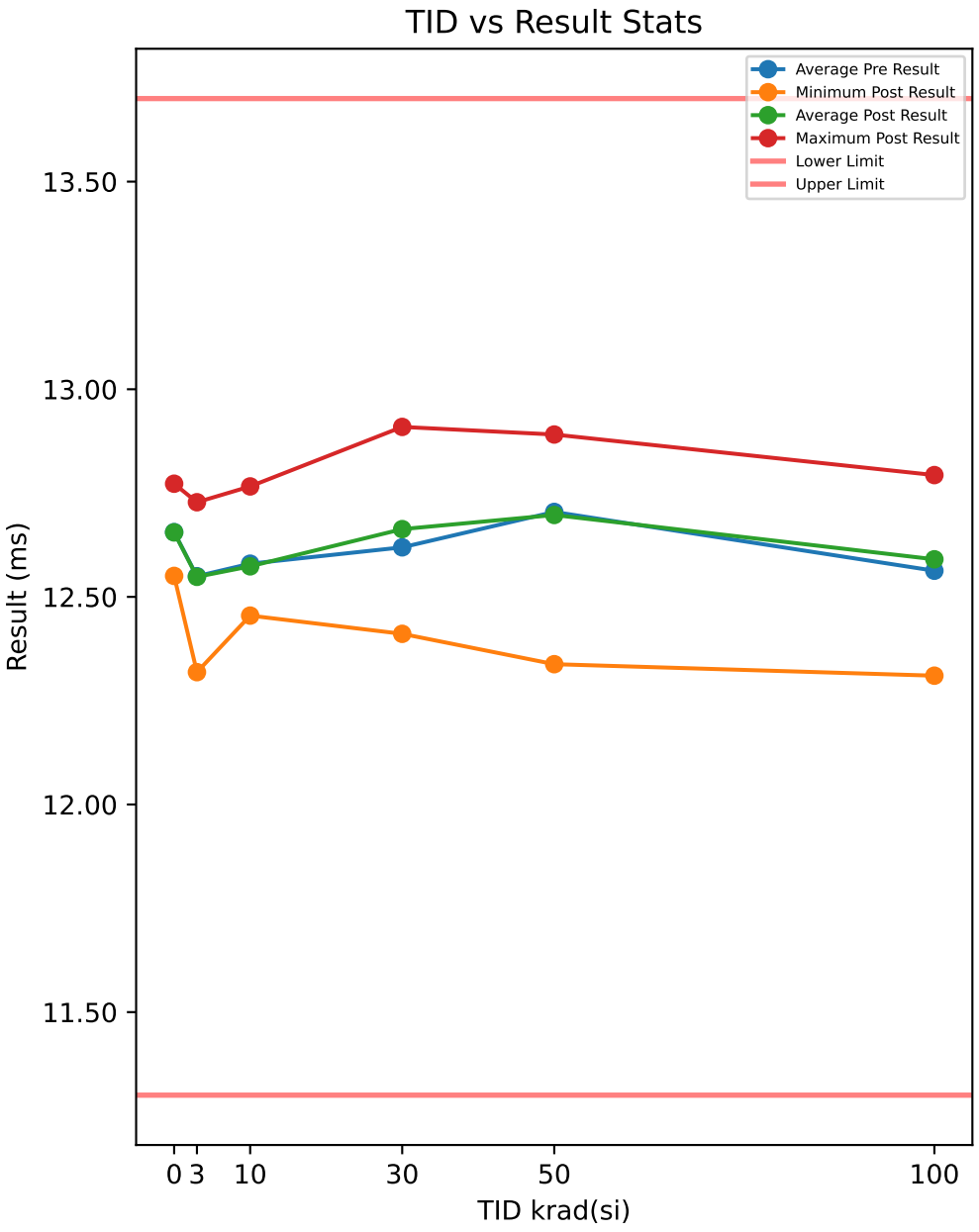
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

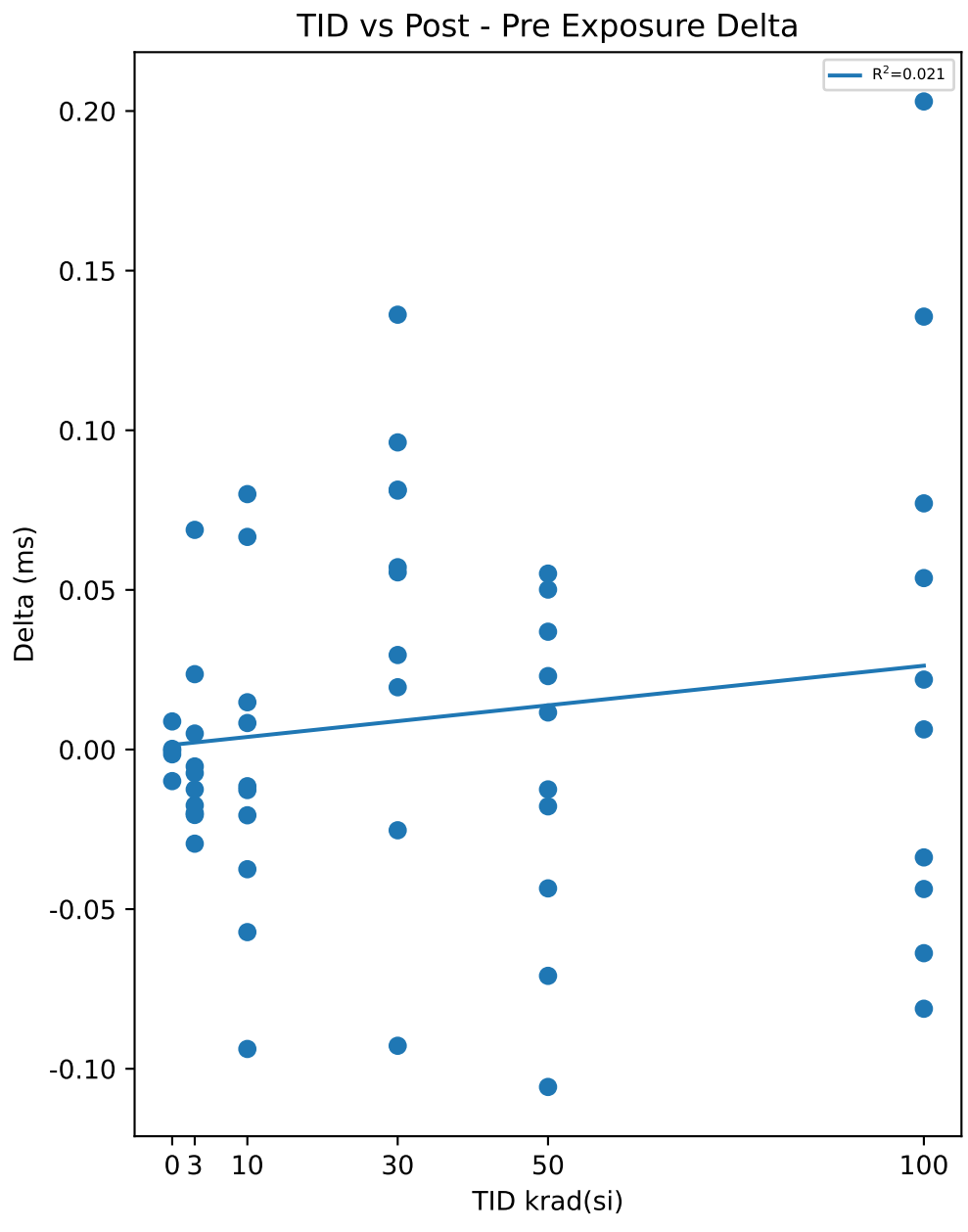
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.353	12.333	-0.0195
2	3	Biased	12.597	12.547	-0.05
3	3	Biased	12.649	12.625	-0.0234
4	3	Biased	12.652	12.642	-0.0098
5	3	Biased	12.397	12.445	0.0477
6	3	Unbiased	12.511	12.486	-0.0247
7	3	Unbiased	12.697	12.704	0.0068
8	3	Unbiased	12.641	12.703	0.0619
9	3	Unbiased	12.7	12.685	-0.0144
10	3	Unbiased	12.434	12.423	-0.011
11	10	Biased	12.438	12.476	0.0386
12	10	Biased	12.703	12.595	-0.1082
13	10	Biased	12.456	12.456	0
14	10	Biased	12.639	12.719	0.08
15	10	Biased	12.498	12.447	-0.0518
16	10	Unbiased	12.713	12.744	0.0309
17	10	Unbiased	12.784	12.78	-0.004
18	10	Unbiased	12.481	12.517	0.0355
19	10	Unbiased	12.598	12.671	0.0727
20	10	Unbiased	12.63	12.517	-0.1137
21	30	Biased	12.698	12.815	0.1168
22	30	Biased	12.549	12.629	0.0805
23	30	Biased	12.844	12.865	0.0213
24	30	Biased	12.395	12.404	0.0089
25	30	Biased	12.556	12.51	-0.0466
26	30	Unbiased	12.673	12.651	-0.0227
27	30	Unbiased	12.488	12.589	0.1006
28	30	Unbiased	12.638	12.71	0.0729
29	30	Unbiased	12.579	12.684	0.1051
30	30	Unbiased	12.759	12.819	0.06
31	50	Biased	12.79	12.694	-0.0957
32	50	Biased	12.384	12.354	-0.0302
33	50	Biased	12.732	12.755	0.023
34	50	Biased	12.849	12.99	0.1405
35	50	Biased	12.681	12.647	-0.0333
36	50	Unbiased	12.627	12.642	0.0148
37	50	Unbiased	12.36	12.317	-0.0431
38	50	Unbiased	12.827	12.833	0.0059
39	50	Unbiased	12.739	12.821	0.0821
40	50	Unbiased	12.824	12.888	0.0642
41	100	Biased	12.466	12.625	0.1596
42	100	Biased	12.481	12.457	-0.0237
43	100	Biased	12.542	12.593	0.051
44	100	Biased	12.667	12.655	-0.0113
45	100	Biased	12.397	12.297	-0.0994
46	100	Unbiased	12.807	12.761	-0.0454
47	100	Unbiased	12.668	12.731	0.0624
48	100	Unbiased	12.415	12.492	0.0774
49	100	Unbiased	12.819	12.75	-0.069
50	100	Unbiased	12.401	12.573	0.172
51	0	Correlation	12.788	12.79	0.002
53	0	Correlation	12.693	12.674	-0.0183
54	0	Correlation	12.53	12.592	0.0625
55	0	Correlation	12.627	12.682	0.0553
56	0	Correlation	12.585	12.598	0.0124

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	12.53	12.644	12.788	0.099753	12.592	12.667	12.79	0.080204	-0.0183	0.02278	0.0625	0.034865
3	12.353	12.563	12.7	0.12924	12.333	12.559	12.704	0.13208	-0.05	-0.00364	0.0619	0.034129
10	12.438	12.594	12.784	0.12059	12.447	12.592	12.78	0.12704	-0.1137	-0.002	0.08	0.068867
30	12.395	12.618	12.844	0.13219	12.404	12.668	12.865	0.14455	-0.0466	0.04968	0.1168	0.056512
50	12.36	12.681	12.849	0.17684	12.317	12.694	12.99	0.21765	-0.0957	0.01282	0.1405	0.068943
100	12.397	12.566	12.819	0.16307	12.297	12.594	12.761	0.14658	-0.0994	0.02736	0.172	0.092765

Device Test: 5.31; DLY_TMR_500KOHM





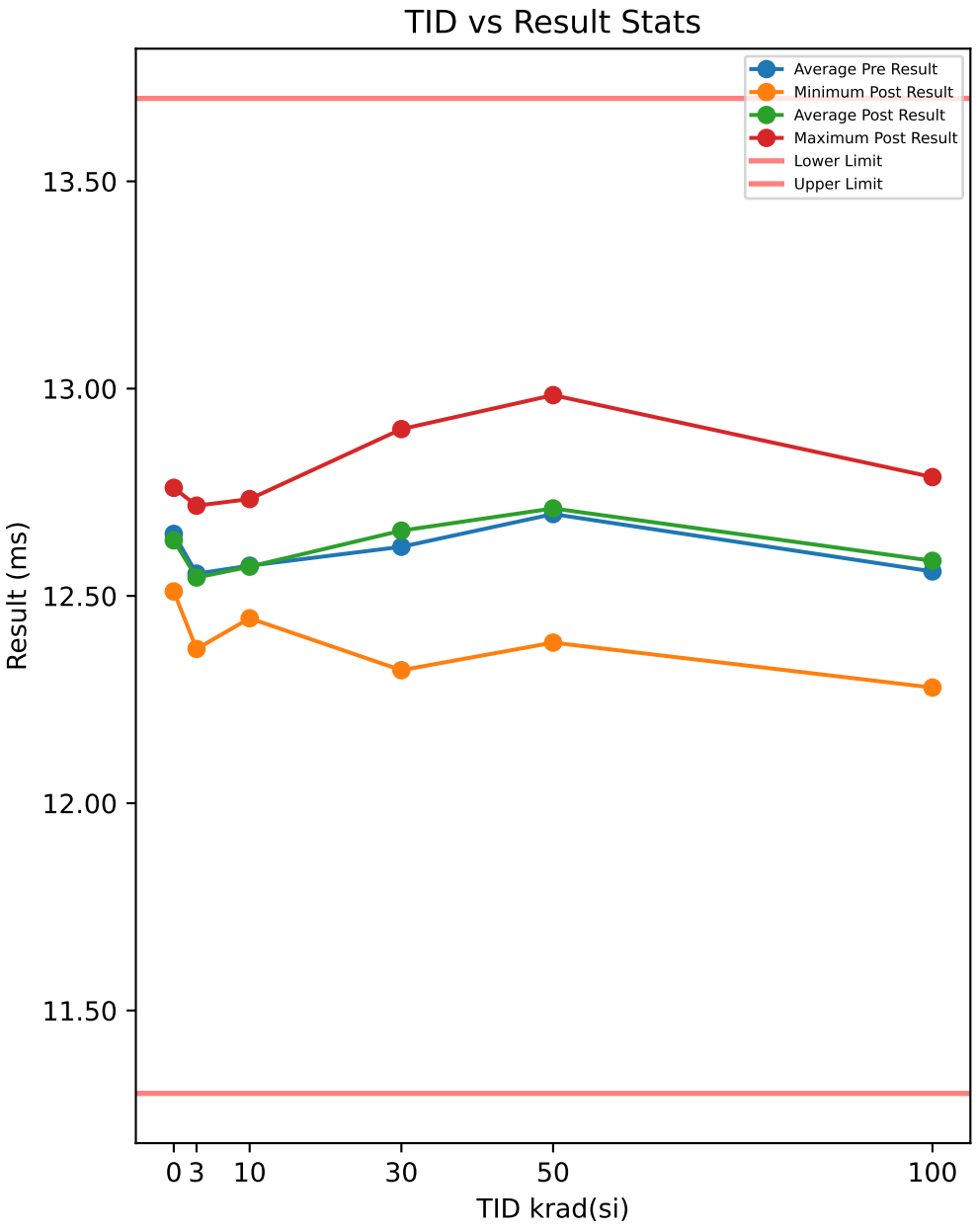
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

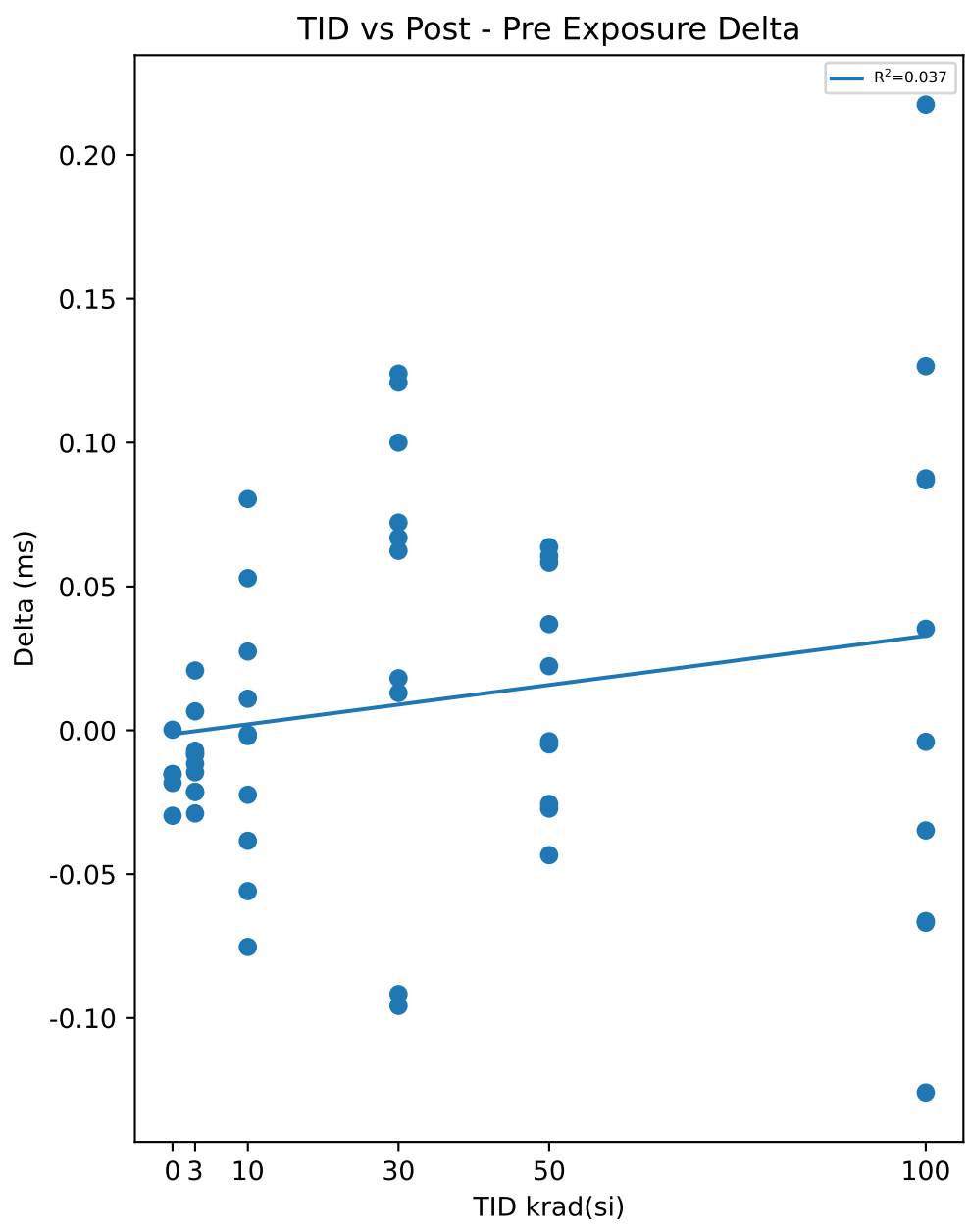
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.326	12.319	-0.0074
2	3	Biased	12.546	12.526	-0.0199
3	3	Biased	12.672	12.651	-0.0205
4	3	Biased	12.643	12.625	-0.0175
5	3	Biased	12.395	12.464	0.0688
6	3	Unbiased	12.476	12.47	-0.0053
7	3	Unbiased	12.704	12.728	0.0236
8	3	Unbiased	12.64	12.645	0.005
9	3	Unbiased	12.655	12.626	-0.0295
10	3	Unbiased	12.441	12.428	-0.0125
11	10	Biased	12.417	12.497	0.08
12	10	Biased	12.659	12.602	-0.0572
13	10	Biased	12.47	12.459	-0.0115
14	10	Biased	12.663	12.671	0.0083
15	10	Biased	12.476	12.455	-0.0206
16	10	Unbiased	12.712	12.674	-0.0375
17	10	Unbiased	12.779	12.766	-0.0127
18	10	Unbiased	12.405	12.471	0.0666
19	10	Unbiased	12.639	12.654	0.0148
20	10	Unbiased	12.58	12.487	-0.0938
21	30	Biased	12.686	12.783	0.0962
22	30	Biased	12.581	12.611	0.0296
23	30	Biased	12.854	12.909	0.0555
24	30	Biased	12.33	12.411	0.0811
25	30	Biased	12.535	12.51	-0.0253
26	30	Unbiased	12.69	12.597	-0.0928
27	30	Unbiased	12.498	12.635	0.1362
28	30	Unbiased	12.674	12.693	0.0195
29	30	Unbiased	12.611	12.668	0.0571
30	30	Unbiased	12.734	12.815	0.0814
31	50	Biased	12.793	12.723	-0.0709
32	50	Biased	12.444	12.338	-0.1057
33	50	Biased	12.754	12.777	0.023
34	50	Biased	12.934	12.891	-0.0435
35	50	Biased	12.699	12.681	-0.0178
36	50	Unbiased	12.608	12.62	0.0116
37	50	Unbiased	12.326	12.381	0.0551
38	50	Unbiased	12.861	12.849	-0.0125
39	50	Unbiased	12.811	12.848	0.0369
40	50	Unbiased	12.815	12.865	0.0501
41	100	Biased	12.457	12.66	0.203
42	100	Biased	12.443	12.449	0.0063
43	100	Biased	12.48	12.557	0.0771
44	100	Biased	12.696	12.615	-0.0812
45	100	Biased	12.354	12.31	-0.0437
46	100	Unbiased	12.837	12.773	-0.0638
47	100	Unbiased	12.711	12.733	0.0219
48	100	Unbiased	12.434	12.488	0.0537
49	100	Unbiased	12.827	12.793	-0.0338
50	100	Unbiased	12.39	12.526	0.1356
51	0	Correlation	12.782	12.773	-0.0099
53	0	Correlation	12.698	12.697	-0.0004
54	0	Correlation	12.542	12.55	0.0088
55	0	Correlation	12.652	12.652	0.0002
56	0	Correlation	12.606	12.604	-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	12.542	12.656	12.782	0.091291	12.55	12.655	12.773	0.085313	-0.0099	-0.00056	0.0088	0.0066395
3	12.326	12.55	12.704	0.13252	12.319	12.548	12.728	0.1269	-0.0295	-0.00152	0.0688	0.028914
10	12.405	12.58	12.779	0.13066	12.455	12.574	12.766	0.11307	-0.0938	-0.00636	0.08	0.052613
30	12.33	12.619	12.854	0.14432	12.411	12.663	12.909	0.14675	-0.0928	0.04385	0.1362	0.065514
50	12.326	12.705	12.934	0.19201	12.338	12.697	12.891	0.19818	-0.1057	-0.00737	0.0551	0.053326
100	12.354	12.563	12.837	0.18479	12.31	12.59	12.793	0.15445	-0.0812	0.02751	0.203	0.091343

Device Test: 5.32; DLY_TMR_500KOHM





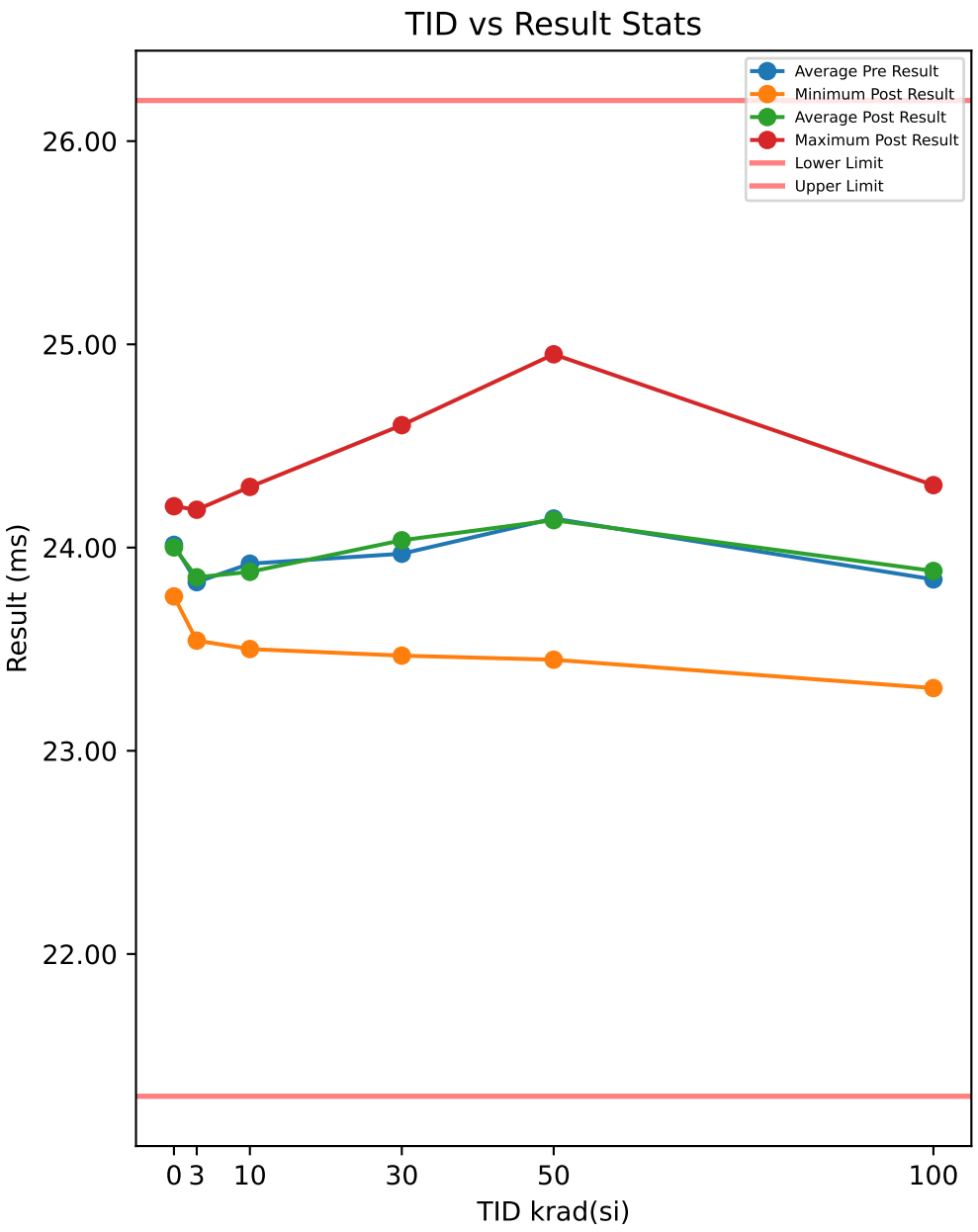
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

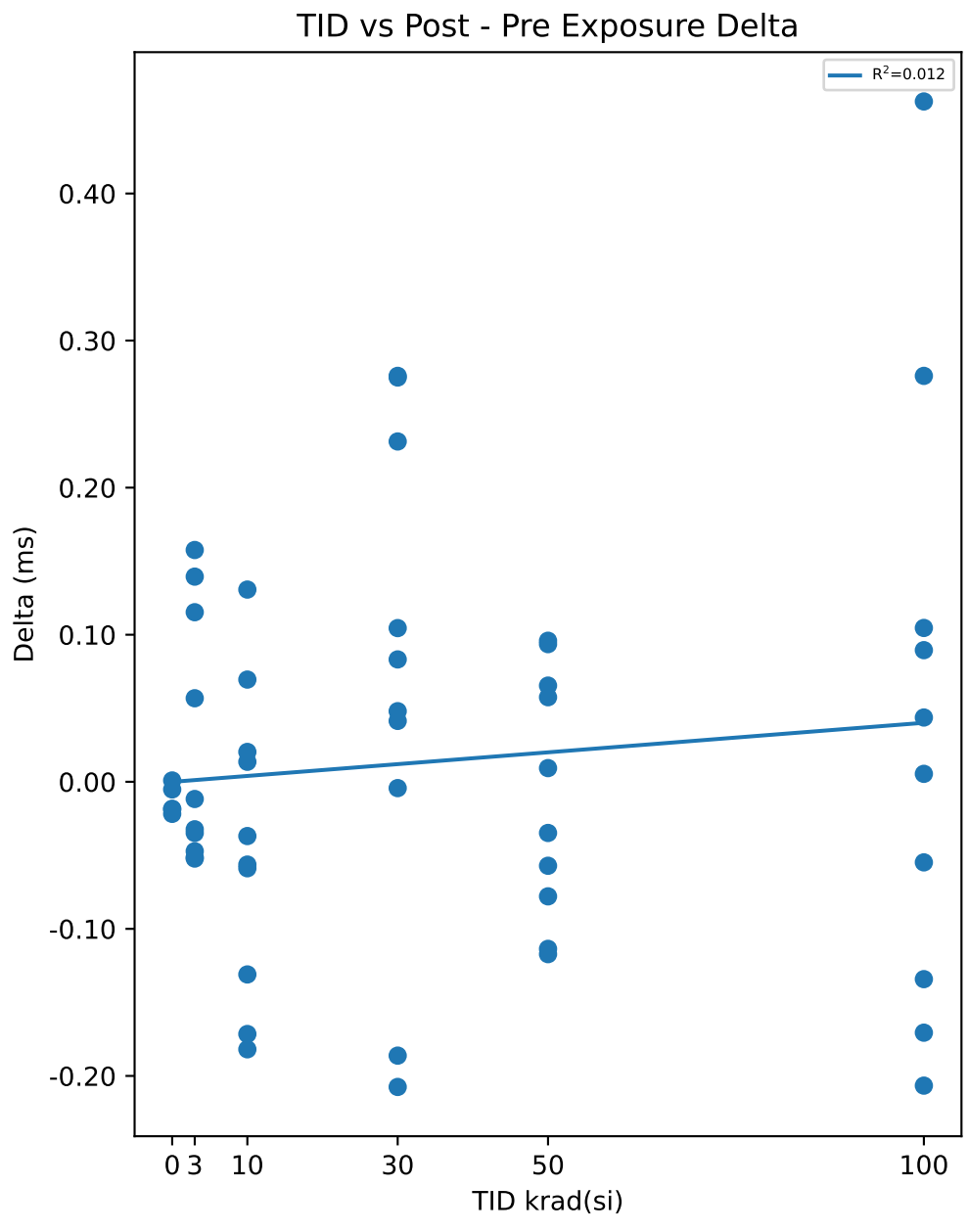
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.415	12.407	-0.0085
2	3	Biased	12.539	12.518	-0.0214
3	3	Biased	12.664	12.635	-0.0289
4	3	Biased	12.636	12.615	-0.0214
5	3	Biased	12.387	12.372	-0.0146
6	3	Unbiased	12.47	12.462	-0.008
7	3	Unbiased	12.697	12.718	0.0208
8	3	Unbiased	12.644	12.651	0.0066
9	3	Unbiased	12.651	12.644	-0.0071
10	3	Unbiased	12.433	12.422	-0.0116
11	10	Biased	12.409	12.489	0.0804
12	10	Biased	12.648	12.592	-0.0559
13	10	Biased	12.463	12.462	-0.0014
14	10	Biased	12.655	12.666	0.011
15	10	Biased	12.469	12.446	-0.0224
16	10	Unbiased	12.703	12.701	-0.002
17	10	Unbiased	12.772	12.734	-0.0384
18	10	Unbiased	12.408	12.461	0.0529
19	10	Unbiased	12.631	12.658	0.0274
20	10	Unbiased	12.572	12.497	-0.0753
21	30	Biased	12.678	12.802	0.124
22	30	Biased	12.573	12.586	0.013
23	30	Biased	12.83	12.902	0.0722
24	30	Biased	12.417	12.321	-0.0958
25	30	Biased	12.527	12.594	0.0669
26	30	Unbiased	12.679	12.587	-0.0917
27	30	Unbiased	12.49	12.611	0.1209
28	30	Unbiased	12.667	12.685	0.0181
29	30	Unbiased	12.598	12.661	0.0624
30	30	Unbiased	12.726	12.826	0.1
31	50	Biased	12.786	12.743	-0.0434
32	50	Biased	12.358	12.422	0.0637
33	50	Biased	12.746	12.768	0.0223
34	50	Biased	12.926	12.984	0.0583
35	50	Biased	12.69	12.662	-0.0272
36	50	Unbiased	12.601	12.596	-0.0049
37	50	Unbiased	12.413	12.387	-0.0256
38	50	Unbiased	12.844	12.84	-0.0038
39	50	Unbiased	12.804	12.841	0.0369
40	50	Unbiased	12.807	12.867	0.0606
41	100	Biased	12.453	12.67	0.2175
42	100	Biased	12.44	12.436	-0.004
43	100	Biased	12.473	12.56	0.0876
44	100	Biased	12.754	12.628	-0.1259
45	100	Biased	12.346	12.279	-0.0669
46	100	Unbiased	12.831	12.765	-0.0663
47	100	Unbiased	12.704	12.739	0.0353
48	100	Unbiased	12.394	12.48	0.0869
49	100	Unbiased	12.821	12.787	-0.0348
50	100	Unbiased	12.376	12.502	0.1266
51	0	Correlation	12.776	12.761	-0.0152
53	0	Correlation	12.691	12.673	-0.0183
54	0	Correlation	12.54	12.511	-0.0297
55	0	Correlation	12.643	12.643	0.0002
56	0	Correlation	12.597	12.582	-0.0152

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	12.54	12.65	12.776	0.089977	12.511	12.634	12.761	0.094266	-0.0297	-0.01564	0.0002	0.010678
3	12.387	12.554	12.697	0.11824	12.372	12.544	12.718	0.12272	-0.0289	-0.00941	0.0208	0.014438
10	12.408	12.573	12.772	0.12874	12.446	12.571	12.734	0.11154	-0.0753	-0.00237	0.0804	0.048138
30	12.417	12.618	12.83	0.12205	12.321	12.657	12.902	0.16319	-0.0958	0.039	0.124	0.079196
50	12.358	12.697	12.926	0.18636	12.387	12.711	12.984	0.19459	-0.0434	0.01369	0.0637	0.040043
100	12.346	12.559	12.831	0.19467	12.279	12.585	12.787	0.16328	-0.1259	0.0256	0.2175	0.10499

Device Test: 5.33; DLY_TMR_1MOHM





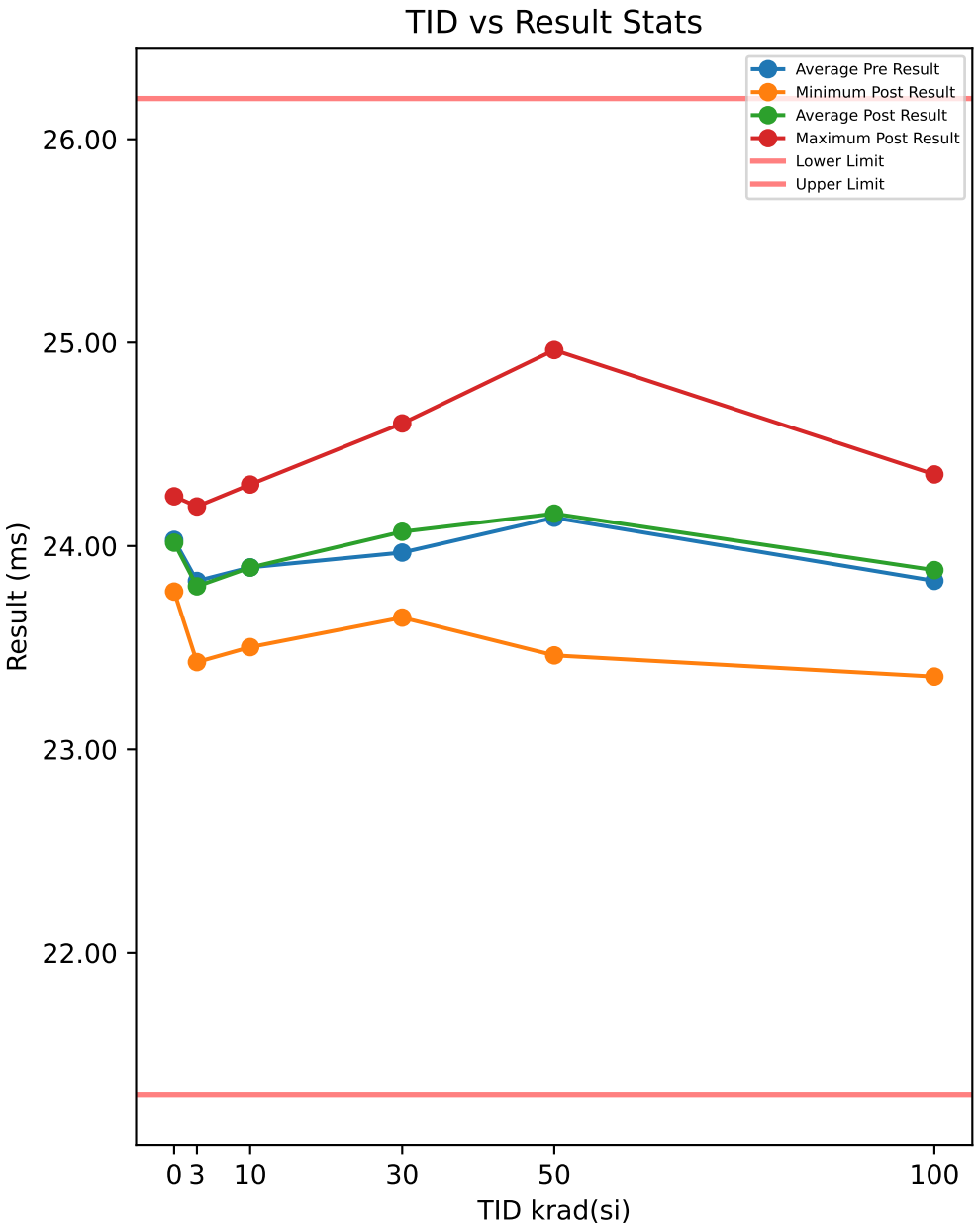
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.546	23.685	0.1395
2	3	Biased	23.794	23.741	-0.0522
3	3	Biased	24.021	23.97	-0.0514
4	3	Biased	23.948	23.901	-0.0472
5	3	Biased	23.577	23.542	-0.0348
6	3	Unbiased	23.539	23.697	0.1576
7	3	Unbiased	24.129	24.186	0.0568
8	3	Unbiased	24.169	24.157	-0.0117
9	3	Unbiased	23.946	24.061	0.1153
10	3	Unbiased	23.629	23.597	-0.0323
11	10	Biased	23.615	23.578	-0.0369
12	10	Biased	23.993	23.862	-0.131
13	10	Biased	23.683	23.501	-0.1819
14	10	Biased	24.138	24.158	0.0203
15	10	Biased	23.622	23.565	-0.0563
16	10	Unbiased	24.285	24.298	0.0136
17	10	Unbiased	24.279	24.22	-0.0588
18	10	Unbiased	23.76	23.891	0.1307
19	10	Unbiased	23.919	23.989	0.0695
20	10	Unbiased	23.913	23.742	-0.1715
21	30	Biased	24.007	24.282	0.2749
22	30	Biased	23.725	23.767	0.0414
23	30	Biased	24.519	24.602	0.0832
24	30	Biased	23.654	23.468	-0.1862
25	30	Biased	24.005	24	-0.0043
26	30	Unbiased	24.042	23.834	-0.2075
27	30	Unbiased	23.796	24.072	0.276
28	30	Unbiased	24.075	24.123	0.048
29	30	Unbiased	23.816	23.92	0.1045
30	30	Unbiased	24.058	24.289	0.2314
31	50	Biased	24.203	24.09	-0.1136
32	50	Biased	23.565	23.448	-0.1172
33	50	Biased	24.155	24.213	0.0575
34	50	Biased	24.855	24.951	0.0959
35	50	Biased	24.248	24.191	-0.0571
36	50	Unbiased	23.794	23.803	0.0093
37	50	Unbiased	23.534	23.456	-0.0779
38	50	Unbiased	24.362	24.327	-0.0348
39	50	Unbiased	24.302	24.395	0.0936
40	50	Unbiased	24.41	24.476	0.0654
41	100	Biased	23.522	23.985	0.4626
42	100	Biased	23.586	23.675	0.0895
43	100	Biased	23.681	23.686	0.0054
44	100	Biased	24.127	23.92	-0.2066
45	100	Biased	23.479	23.308	-0.1706
46	100	Unbiased	24.343	24.209	-0.1342
47	100	Unbiased	24.149	24.193	0.0437
48	100	Unbiased	23.5	23.776	0.276
49	100	Unbiased	24.362	24.307	-0.0548
50	100	Unbiased	23.684	23.788	0.1046
51	0	Correlation	24.225	24.203	-0.0218
53	0	Correlation	24.114	24.096	-0.0184
54	0	Correlation	23.963	23.964	0.0009
55	0	Correlation	23.987	23.981	-0.0052
56	0	Correlation	23.778	23.76	-0.0186

Test Statistics (ms)

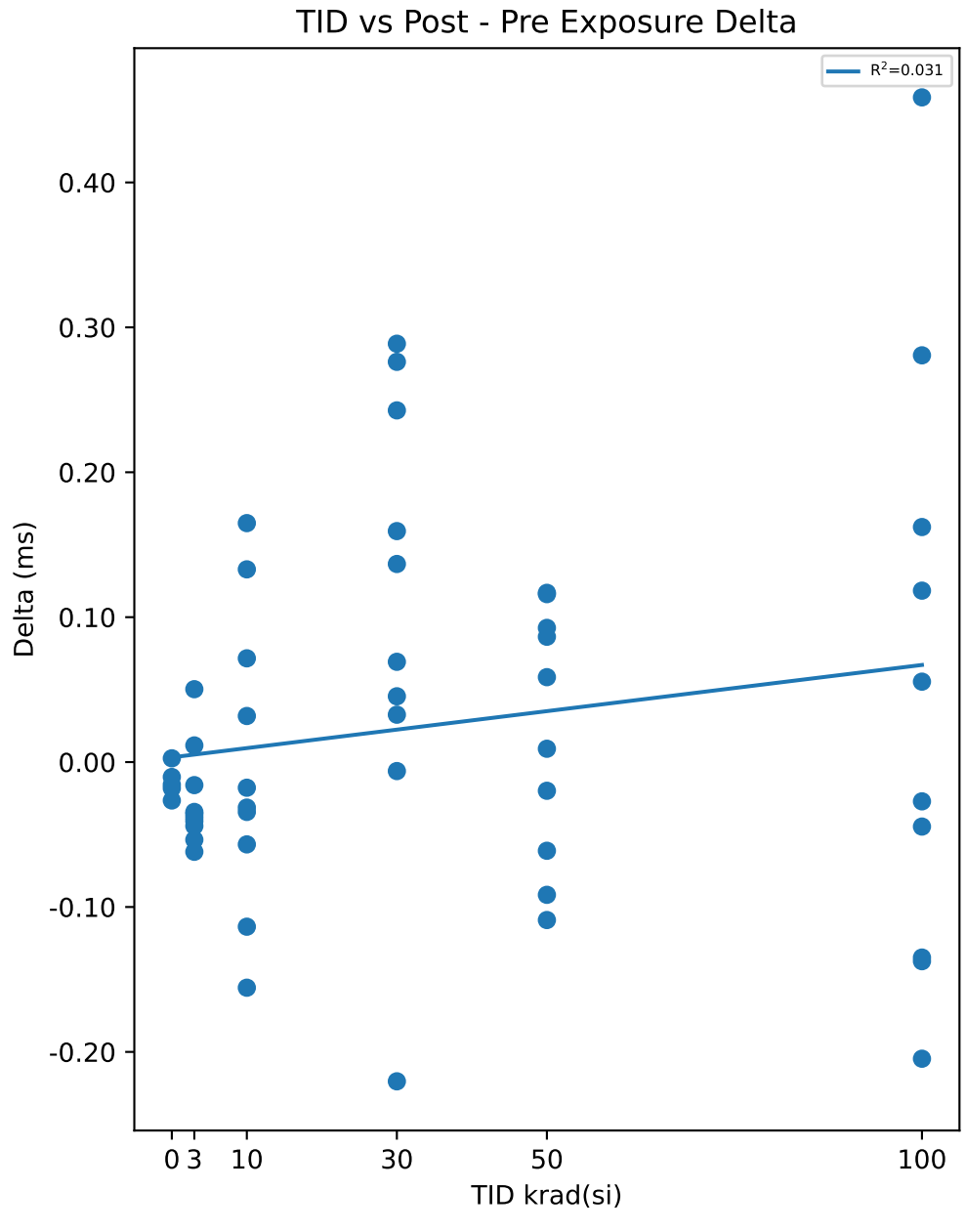
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.778	24.013	24.225	0.16853	23.76	24.001	24.203	0.16583	-0.0218	-0.01262	0.0009	0.0098905
3	23.539	23.83	24.169	0.24494	23.542	23.854	24.186	0.23341	-0.0522	0.02396	0.1576	0.085025
10	23.615	23.921	24.285	0.25359	23.501	23.88	24.298	0.28549	-0.1819	-0.04023	0.1307	0.10218
30	23.654	23.97	24.519	0.24536	23.468	24.036	24.602	0.31705	-0.2075	0.06614	0.276	0.17034
50	23.534	24.143	24.855	0.40735	23.448	24.135	24.951	0.4644	-0.1172	-0.00789	0.0959	0.083124
100	23.479	23.843	24.362	0.35974	23.308	23.885	24.307	0.303	-0.2066	0.04156	0.4626	0.20726

Device Test: 5.34; DLY_TMR_1MOHM



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

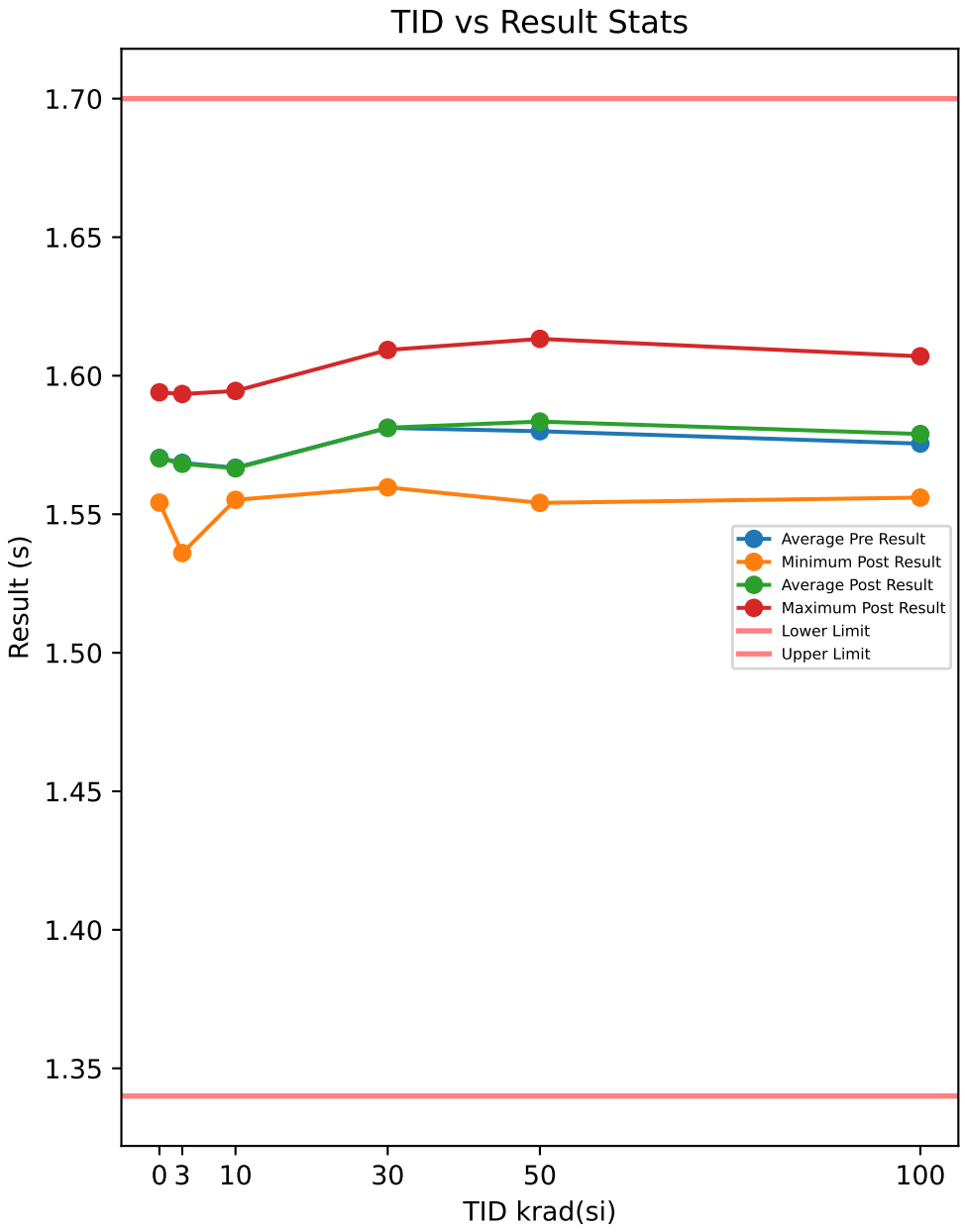
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.563	23.547	-0.0159
2	3	Biased	23.807	23.745	-0.0619
3	3	Biased	24.039	23.998	-0.0407
4	3	Biased	23.963	23.919	-0.0441
5	3	Biased	23.597	23.559	-0.0382
6	3	Unbiased	23.56	23.524	-0.0358
7	3	Unbiased	24.143	24.194	0.0503
8	3	Unbiased	24.183	24.194	0.0115
9	3	Unbiased	23.962	23.908	-0.0536
10	3	Unbiased	23.464	23.429	-0.0344
11	10	Biased	23.444	23.609	0.1649
12	10	Biased	23.972	23.858	-0.1136
13	10	Biased	23.521	23.503	-0.0177
14	10	Biased	24.124	24.156	0.0318
15	10	Biased	23.639	23.582	-0.0568
16	10	Unbiased	24.337	24.302	-0.0344
17	10	Unbiased	24.294	24.262	-0.0314
18	10	Unbiased	23.757	23.89	0.133
19	10	Unbiased	23.935	24.006	0.0716
20	10	Unbiased	23.927	23.771	-0.1557
21	30	Biased	24.022	24.298	0.2762
22	30	Biased	23.742	23.774	0.0327
23	30	Biased	24.534	24.603	0.0692
24	30	Biased	23.489	23.648	0.1594
25	30	Biased	24.025	24.018	-0.0062
26	30	Unbiased	24.062	23.842	-0.2203
27	30	Unbiased	23.812	24.101	0.2887
28	30	Unbiased	24.094	24.14	0.0454
29	30	Unbiased	23.811	23.948	0.1367
30	30	Unbiased	24.088	24.331	0.2427
31	50	Biased	24.216	24.107	-0.109
32	50	Biased	23.399	23.492	0.0926
33	50	Biased	24.171	24.23	0.0586
34	50	Biased	24.848	24.963	0.1159
35	50	Biased	24.268	24.207	-0.0612
36	50	Unbiased	23.81	23.819	0.0092
37	50	Unbiased	23.554	23.462	-0.0916
38	50	Unbiased	24.377	24.357	-0.0198
39	50	Unbiased	24.325	24.412	0.0865
40	50	Unbiased	24.425	24.542	0.1168
41	100	Biased	23.541	23.999	0.4587
42	100	Biased	23.604	23.56	-0.0445
43	100	Biased	23.542	23.704	0.1622
44	100	Biased	24.142	23.937	-0.2047
45	100	Biased	23.496	23.358	-0.1374
46	100	Unbiased	24.358	24.223	-0.1349
47	100	Unbiased	24.164	24.219	0.0555
48	100	Unbiased	23.519	23.637	0.1183
49	100	Unbiased	24.379	24.352	-0.0271
50	100	Unbiased	23.544	23.824	0.2807
51	0	Correlation	24.242	24.244	0.0026
53	0	Correlation	24.131	24.116	-0.0156
54	0	Correlation	23.982	23.972	-0.0103
55	0	Correlation	24.002	23.975	-0.0265
56	0	Correlation	23.794	23.776	-0.018

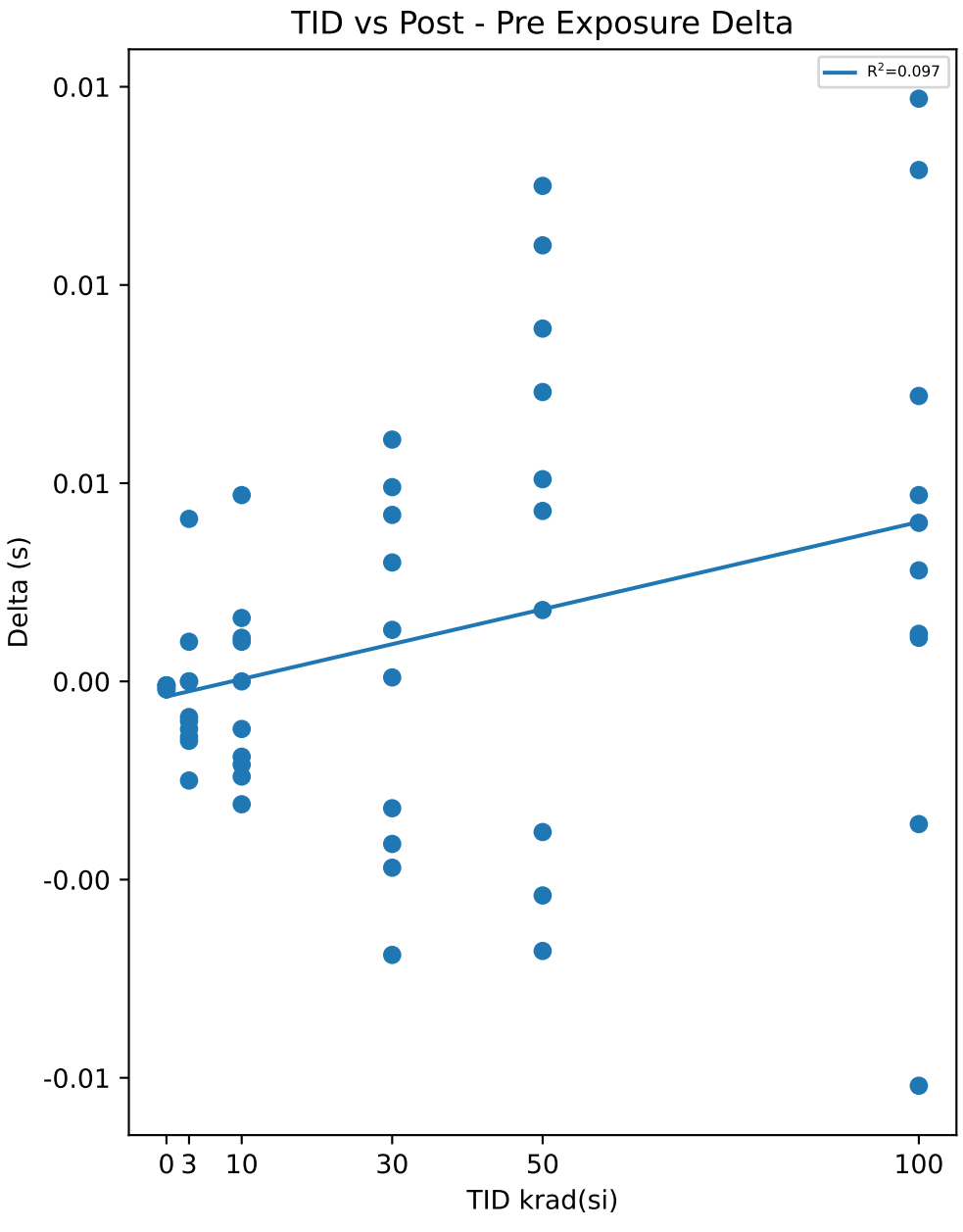


Test Statistics (ms)

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	23.794	24.03	24.242	0.16877	23.776	24.017	24.244	0.1756	-0.0265	-0.01356	0.0026	0.01076
3	23.464	23.828	24.183	0.26553	23.429	23.802	24.194	0.28171	-0.0619	-0.02628	0.0503	0.033729
10	23.444	23.895	24.337	0.30604	23.503	23.894	24.302	0.28501	-0.1557	-0.00083	0.1649	0.10213
30	23.489	23.968	24.534	0.27792	23.648	24.07	24.603	0.28769	-0.2203	0.10245	0.2887	0.15426
50	23.399	24.139	24.848	0.43421	23.462	24.159	24.963	0.46583	-0.109	0.0198	0.1168	0.086371
100	23.496	23.829	24.379	0.3797	23.358	23.881	24.352	0.32335	-0.2047	0.05268	0.4587	0.20724

Device Test: 5.35; WD_TMR_1MOHM





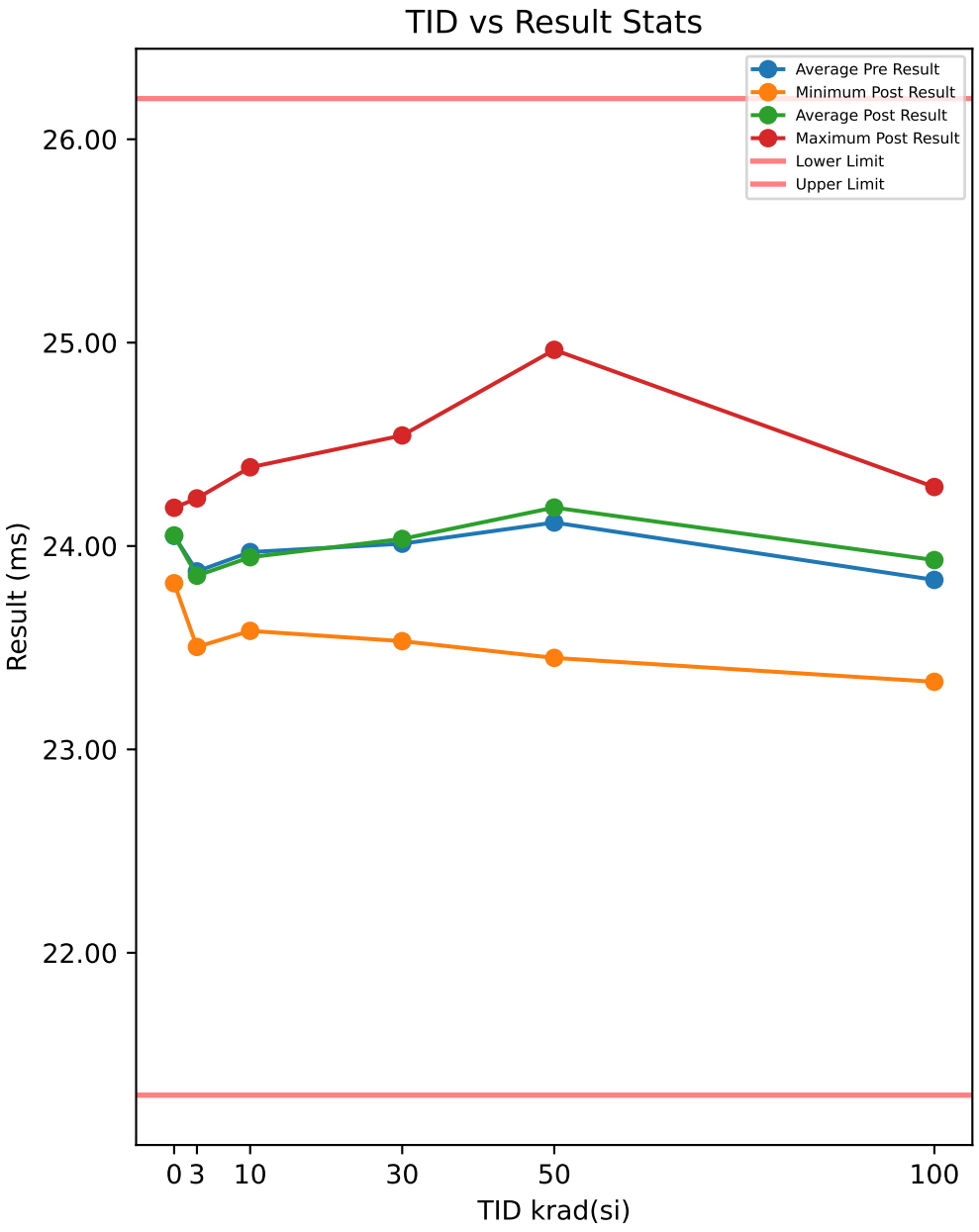
Test Results (Lower Limit = 1.34, Upper Limit = 1.7 (s))

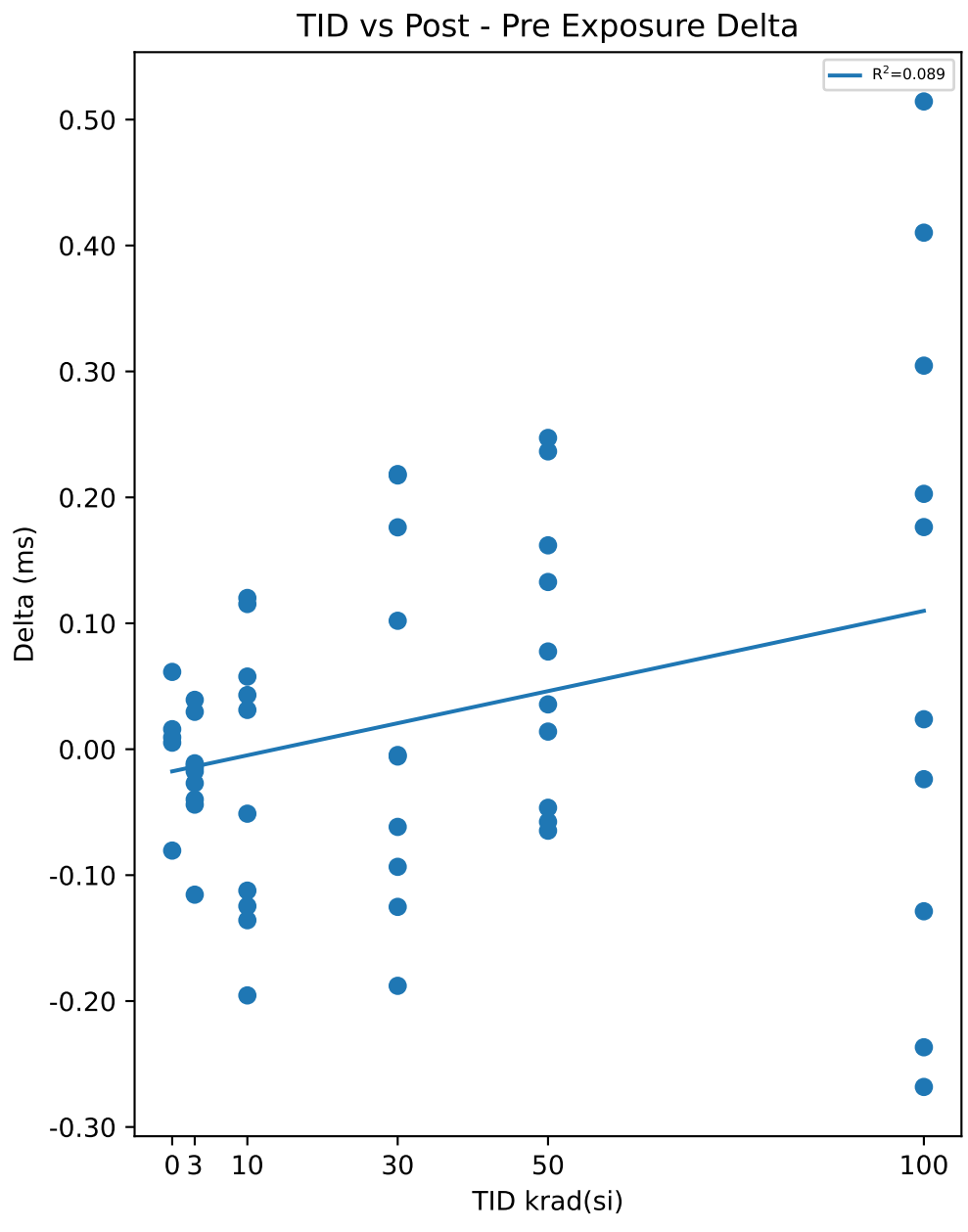
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.5709	1.57	-0.0009
2	3	Biased	1.5375	1.536	-0.0015
3	3	Biased	1.5532	1.5532	0
4	3	Biased	1.5948	1.5934	-0.0014
5	3	Biased	1.5606	1.5596	-0.001
6	3	Unbiased	1.5853	1.5863	0.001
7	3	Unbiased	1.5693	1.5668	-0.0025
8	3	Unbiased	1.5408	1.5396	-0.0012
9	3	Unbiased	1.5871	1.5871	0
10	3	Unbiased	1.586	1.5901	0.0041
11	10	Biased	1.5591	1.556	-0.0031
12	10	Biased	1.5725	1.5706	-0.0019
13	10	Biased	1.5945	1.5945	0
14	10	Biased	1.5573	1.5552	-0.0021
15	10	Biased	1.5582	1.557	-0.0012
16	10	Unbiased	1.5708	1.5719	0.0011
17	10	Unbiased	1.5511	1.5558	0.0047
18	10	Unbiased	1.578	1.5756	-0.0024
19	10	Unbiased	1.5649	1.5665	0.0016
20	10	Unbiased	1.5615	1.5625	0.001
21	30	Biased	1.5638	1.5597	-0.0041
22	30	Biased	1.6052	1.5983	-0.0069
23	30	Biased	1.5987	1.6036	0.0049
24	30	Biased	1.5724	1.5766	0.0042
25	30	Biased	1.5859	1.5812	-0.0047
26	30	Unbiased	1.5568	1.5598	0.003
27	30	Unbiased	1.57	1.5668	-0.0032
28	30	Unbiased	1.5735	1.5736	0.0001
29	30	Unbiased	1.6032	1.6093	0.0061
30	30	Unbiased	1.5821	1.5834	0.0013
31	50	Biased	1.587	1.5888	0.0018
32	50	Biased	1.5802	1.5845	0.0043
33	50	Biased	1.5895	1.5946	0.0051
34	50	Biased	1.5741	1.5703	-0.0038
35	50	Biased	1.6023	1.6133	0.011
36	50	Unbiased	1.5609	1.5541	-0.0068
37	50	Unbiased	1.593	1.6003	0.0073
38	50	Unbiased	1.5754	1.57	-0.0054
39	50	Unbiased	1.5734	1.5859	0.0125
40	50	Unbiased	1.5638	1.5727	0.0089
41	100	Biased	1.5833	1.5845	0.0012
42	100	Biased	1.5849	1.5877	0.0028
43	100	Biased	1.5596	1.5636	0.004
44	100	Biased	1.56	1.5747	0.0147
45	100	Biased	1.5734	1.5806	0.0072
46	100	Unbiased	1.5641	1.5652	0.0011
47	100	Unbiased	1.5513	1.556	0.0047
48	100	Unbiased	1.5903	1.5801	-0.0102
49	100	Unbiased	1.6106	1.607	-0.0036
50	100	Unbiased	1.5773	1.5902	0.0129
51	0	Correlation	1.5755	1.5753	-0.0002
53	0	Correlation	1.5595	1.5594	-0.0001
54	0	Correlation	1.5681	1.568	-0.0001
55	0	Correlation	1.5544	1.5542	-0.0002
56	0	Correlation	1.5941	1.594	-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	1.5544	1.5703	1.5941	0.015554	1.5542	1.5702	1.594	0.015572	-0.0002	-0.00014	-0.0001	5.4772e-05
3	1.5375	1.5685	1.5948	0.020159	1.536	1.5682	1.5934	0.020972	-0.0025	-0.00034	0.0041	0.0018368
10	1.5511	1.5668	1.5945	0.012662	1.5552	1.5666	1.5945	0.012344	-0.0031	-0.00023	0.0047	0.0023842
30	1.5568	1.5812	1.6052	0.016831	1.5597	1.5812	1.6093	0.017623	-0.0069	7e-05	0.0061	0.0045492
50	1.5609	1.58	1.6023	0.013048	1.5541	1.5835	1.6133	0.01721	-0.0068	0.00349	0.0125	0.0068761
100	1.5513	1.5755	1.6106	0.01769	1.556	1.579	1.607	0.014886	-0.0102	0.00348	0.0147	0.007294

Device Test: 5.36; DLY_TMR_1MOHM





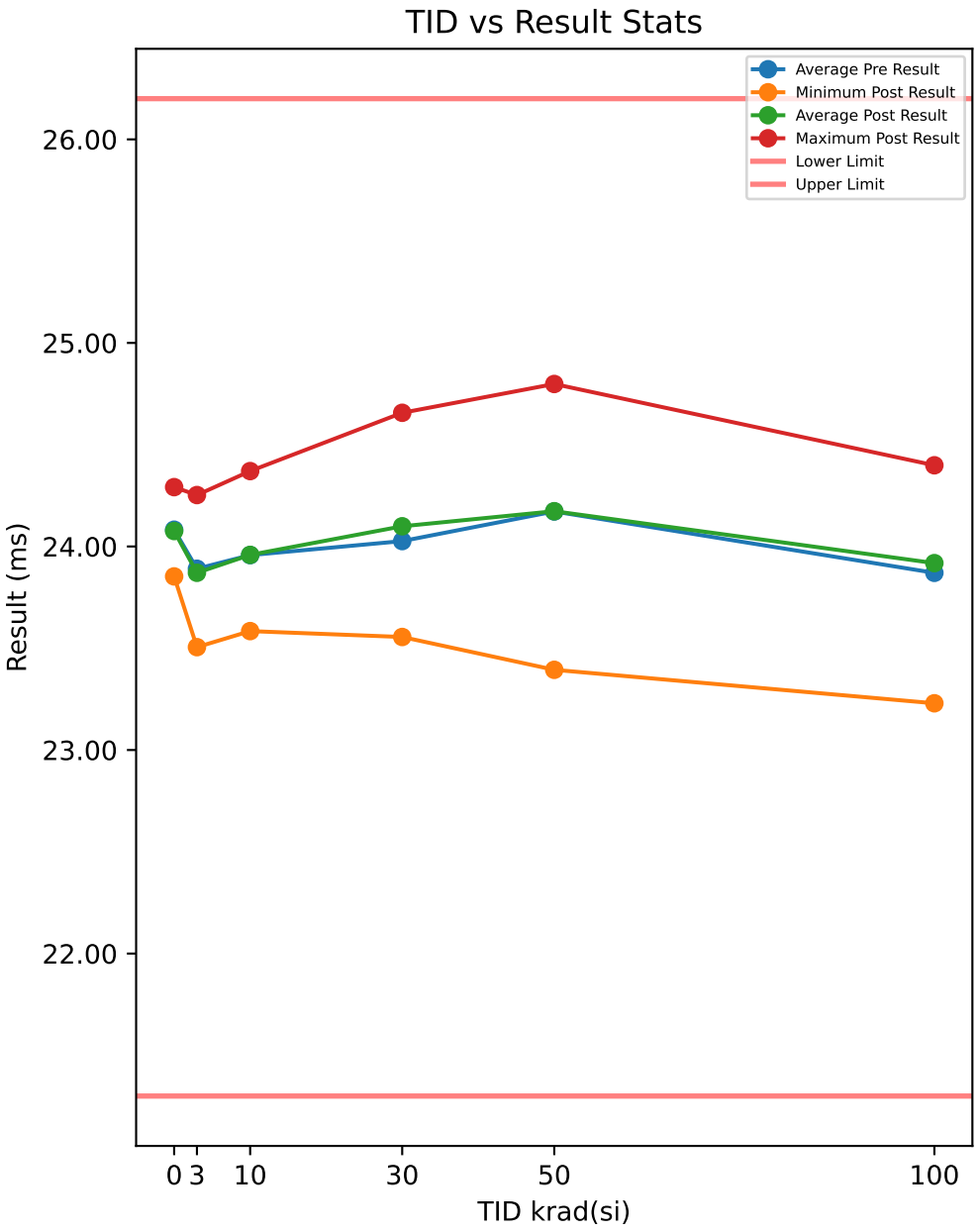
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

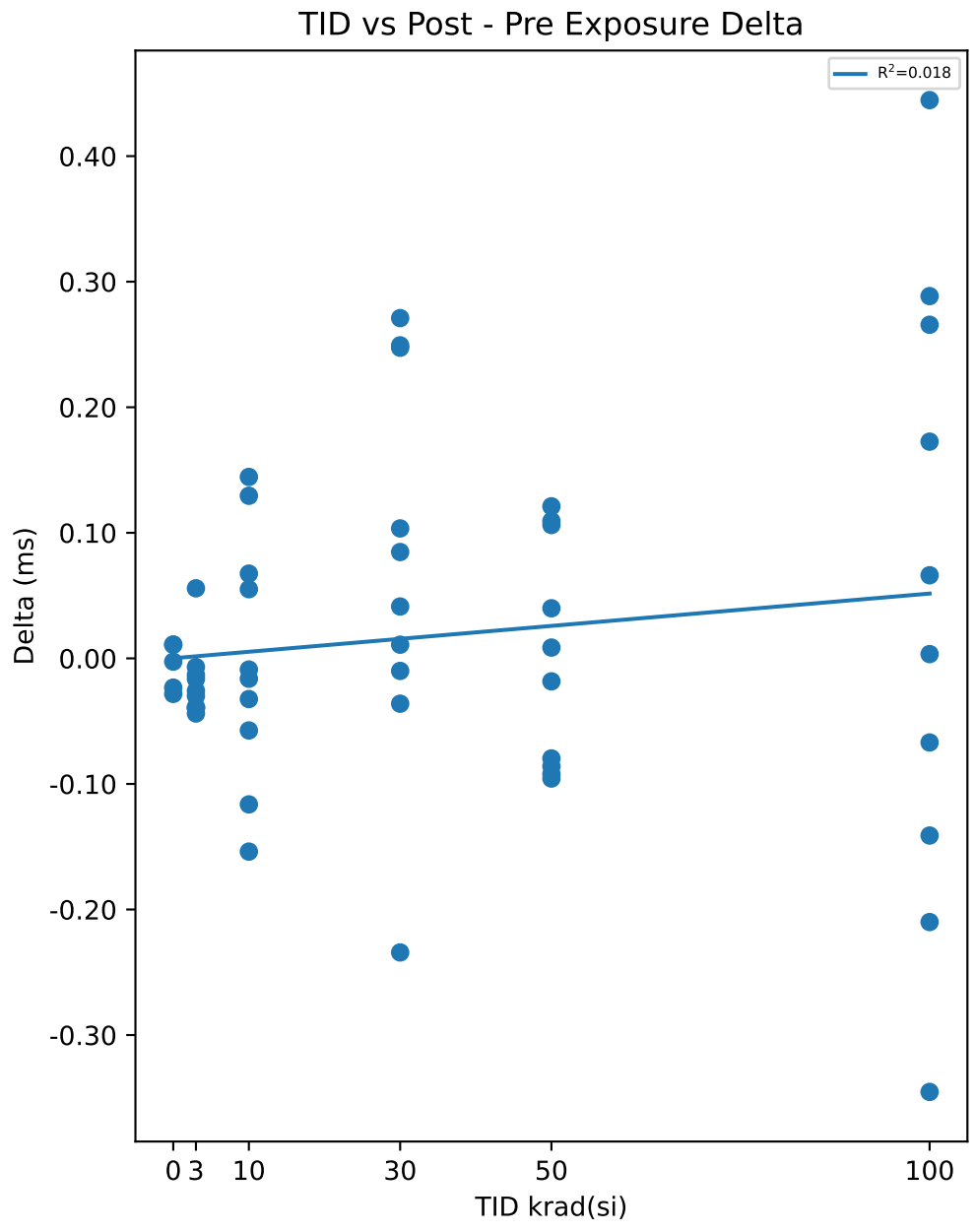
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.601	23.584	-0.0176
2	3	Biased	23.9	23.86	-0.0399
3	3	Biased	24.106	24.091	-0.0147
4	3	Biased	23.908	23.864	-0.044
5	3	Biased	23.669	23.658	-0.0112
6	3	Unbiased	23.713	23.598	-0.1155
7	3	Unbiased	24.168	24.155	-0.0127
8	3	Unbiased	24.261	24.234	-0.027
9	3	Unbiased	23.953	23.992	0.0392
10	3	Unbiased	23.474	23.504	0.0297
11	10	Biased	23.601	23.721	0.1201
12	10	Biased	24.032	23.836	-0.1955
13	10	Biased	23.669	23.618	-0.0512
14	10	Biased	24.228	24.259	0.0312
15	10	Biased	23.695	23.583	-0.1123
16	10	Unbiased	24.344	24.387	0.043
17	10	Unbiased	24.318	24.193	-0.1246
18	10	Unbiased	23.788	23.846	0.0577
19	10	Unbiased	23.997	24.112	0.1153
20	10	Unbiased	24.031	23.895	-0.1358
21	30	Biased	24.075	24.294	0.2185
22	30	Biased	23.866	23.804	-0.0617
23	30	Biased	24.548	24.544	-0.0046
24	30	Biased	23.538	23.532	-0.0058
25	30	Biased	24.088	23.995	-0.0934
26	30	Unbiased	24.122	23.934	-0.1879
27	30	Unbiased	23.814	24.032	0.2174
28	30	Unbiased	24.193	24.068	-0.1252
29	30	Unbiased	23.788	23.89	0.102
30	30	Unbiased	24.082	24.258	0.1762
31	50	Biased	24.151	24.165	0.014
32	50	Biased	23.414	23.45	0.0356
33	50	Biased	24.228	24.306	0.0776
34	50	Biased	24.717	24.965	0.2472
35	50	Biased	24.208	24.15	-0.0576
36	50	Unbiased	23.772	23.934	0.1619
37	50	Unbiased	23.673	23.608	-0.0647
38	50	Unbiased	24.279	24.411	0.1328
39	50	Unbiased	24.393	24.347	-0.0465
40	50	Unbiased	24.32	24.556	0.2365
41	100	Biased	23.593	24.108	0.5144
42	100	Biased	23.674	23.697	0.0238
43	100	Biased	23.599	23.802	0.2028
44	100	Biased	24.142	23.874	-0.2682
45	100	Biased	23.569	23.332	-0.2367
46	100	Unbiased	24.362	24.233	-0.1287
47	100	Unbiased	24.114	24.29	0.1764
48	100	Unbiased	23.374	23.784	0.4102
49	100	Unbiased	24.303	24.28	-0.0238
50	100	Unbiased	23.605	23.91	0.3046
51	0	Correlation	24.269	24.188	-0.0805
53	0	Correlation	24.098	24.103	0.0052
54	0	Correlation	24.064	24.08	0.0159
55	0	Correlation	24.063	24.072	0.0094
56	0	Correlation	23.756	23.817	0.0614

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	23.756	24.05	24.269	0.18507	23.817	24.052	24.188	0.13916	-0.0805	0.00228	0.0614	0.05146
3	23.474	23.875	24.261	0.25814	23.504	23.854	24.234	0.26034	-0.1155	-0.02137	0.0392	0.042507
10	23.601	23.97	24.344	0.27298	23.583	23.945	24.387	0.27805	-0.1955	-0.02521	0.1201	0.11301
30	23.538	24.011	24.548	0.27537	23.532	24.035	24.544	0.28195	-0.1879	0.02355	0.2185	0.147
50	23.414	24.116	24.717	0.38527	23.45	24.189	24.965	0.44411	-0.0647	0.07368	0.2472	0.11726
100	23.374	23.833	24.362	0.35676	23.332	23.931	24.29	0.30333	-0.2682	0.09748	0.5144	0.26844

Device Test: 5.37; DLY_TMR_1MOHM





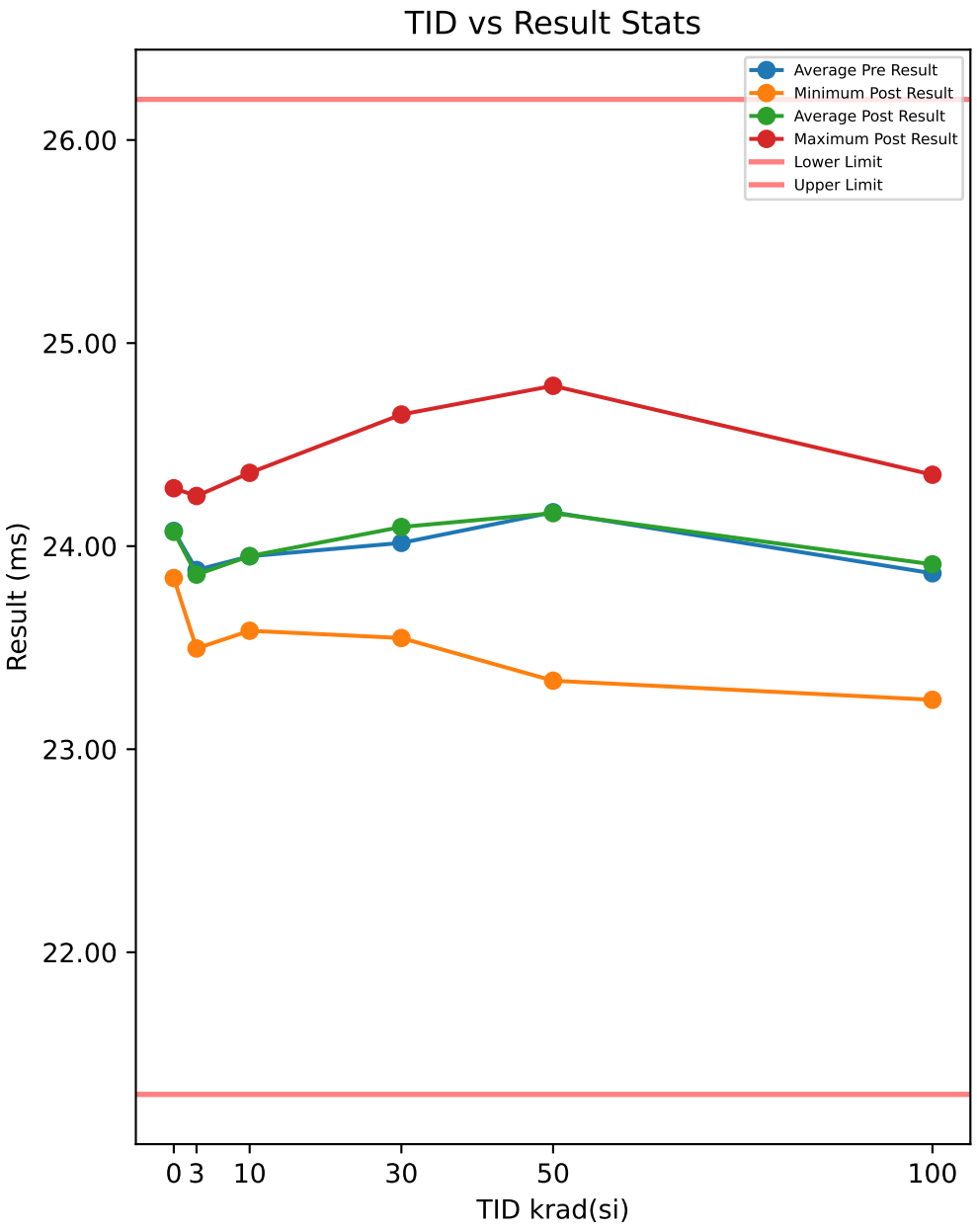
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

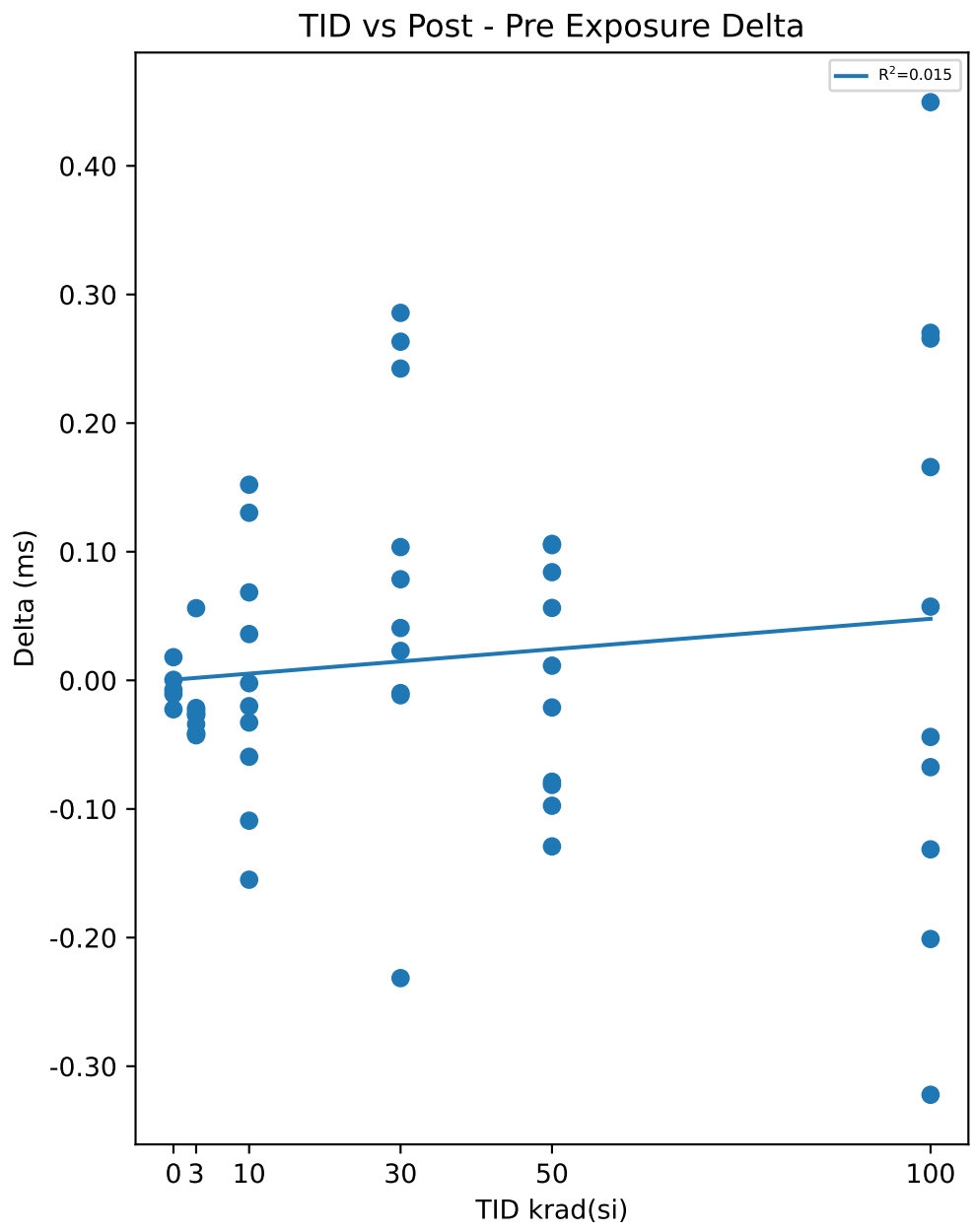
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.638	23.622	-0.0164
2	3	Biased	23.87	23.832	-0.0388
3	3	Biased	24.095	24.051	-0.0439
4	3	Biased	24.017	23.978	-0.0396
5	3	Biased	23.666	23.627	-0.0393
6	3	Unbiased	23.628	23.602	-0.0258
7	3	Unbiased	24.197	24.253	0.0558
8	3	Unbiased	24.243	24.236	-0.0069
9	3	Unbiased	24.016	24.002	-0.0132
10	3	Unbiased	23.535	23.505	-0.0299
11	10	Biased	23.523	23.667	0.1445
12	10	Biased	24.039	23.922	-0.1163
13	10	Biased	23.593	23.584	-0.0089
14	10	Biased	24.178	24.233	0.0551
15	10	Biased	23.708	23.651	-0.0574
16	10	Unbiased	24.387	24.37	-0.0162
17	10	Unbiased	24.341	24.308	-0.0324
18	10	Unbiased	23.825	23.954	0.1295
19	10	Unbiased	23.995	24.062	0.0675
20	10	Unbiased	23.988	23.834	-0.1539
21	30	Biased	24.077	24.348	0.271
22	30	Biased	23.806	23.847	0.0413
23	30	Biased	24.572	24.657	0.0847
24	30	Biased	23.565	23.555	-0.01
25	30	Biased	24.088	24.052	-0.0361
26	30	Unbiased	24.116	23.882	-0.2342
27	30	Unbiased	23.881	24.128	0.2474
28	30	Unbiased	24.148	24.159	0.0109
29	30	Unbiased	23.891	23.995	0.1035
30	30	Unbiased	24.12	24.37	0.2493
31	50	Biased	24.271	24.175	-0.0957
32	50	Biased	23.474	23.394	-0.0797
33	50	Biased	24.224	24.264	0.0399
34	50	Biased	24.692	24.798	0.1062
35	50	Biased	24.321	24.229	-0.0921
36	50	Unbiased	23.871	23.88	0.0086
37	50	Unbiased	23.629	23.543	-0.086
38	50	Unbiased	24.423	24.405	-0.0183
39	50	Unbiased	24.37	24.479	0.1094
40	50	Unbiased	24.444	24.565	0.1211
41	100	Biased	23.611	24.056	0.4446
42	100	Biased	23.671	23.604	-0.067
43	100	Biased	23.609	23.781	0.1726
44	100	Biased	24.192	23.982	-0.21
45	100	Biased	23.575	23.23	-0.3453
46	100	Unbiased	24.405	24.264	-0.1411
47	100	Unbiased	24.218	24.285	0.0662
48	100	Unbiased	23.409	23.697	0.2885
49	100	Unbiased	24.395	24.399	0.0034
50	100	Unbiased	23.618	23.884	0.2657
51	0	Correlation	24.281	24.291	0.0109
53	0	Correlation	24.185	24.183	-0.0026
54	0	Correlation	24.044	24.02	-0.0233
55	0	Correlation	24.06	24.032	-0.0283
56	0	Correlation	23.842	23.853	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	23.842	24.082	24.281	0.16557	23.853	24.076	24.291	0.16777	-0.0283	-0.00646	0.011	0.018586
3	23.535	23.89	24.243	0.25844	23.505	23.871	24.253	0.27268	-0.0439	-0.0198	0.0558	0.029418
10	23.523	23.957	24.387	0.29626	23.584	23.959	24.37	0.28171	-0.1539	0.00115	0.1445	0.098391
30	23.565	24.026	24.572	0.2659	23.555	24.099	24.657	0.31087	-0.2342	0.07278	0.271	0.15627
50	23.474	24.172	24.692	0.3879	23.394	24.173	24.798	0.44638	-0.0957	0.00134	0.1211	0.088997
100	23.409	23.87	24.405	0.3838	23.23	23.918	24.399	0.35738	-0.3453	0.04776	0.4446	0.24734

Device Test: 5.38; DLY_TMR_1MOHM





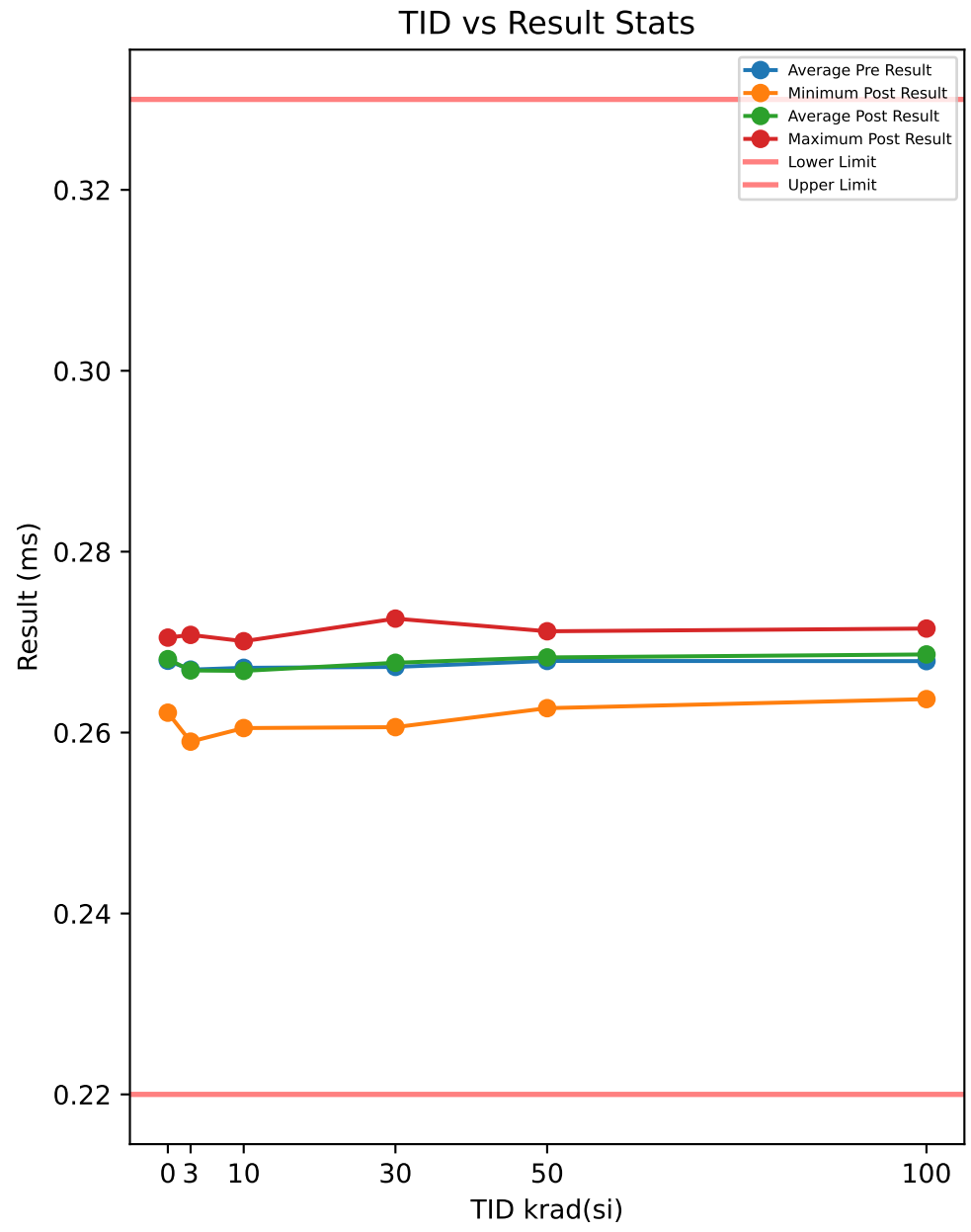
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

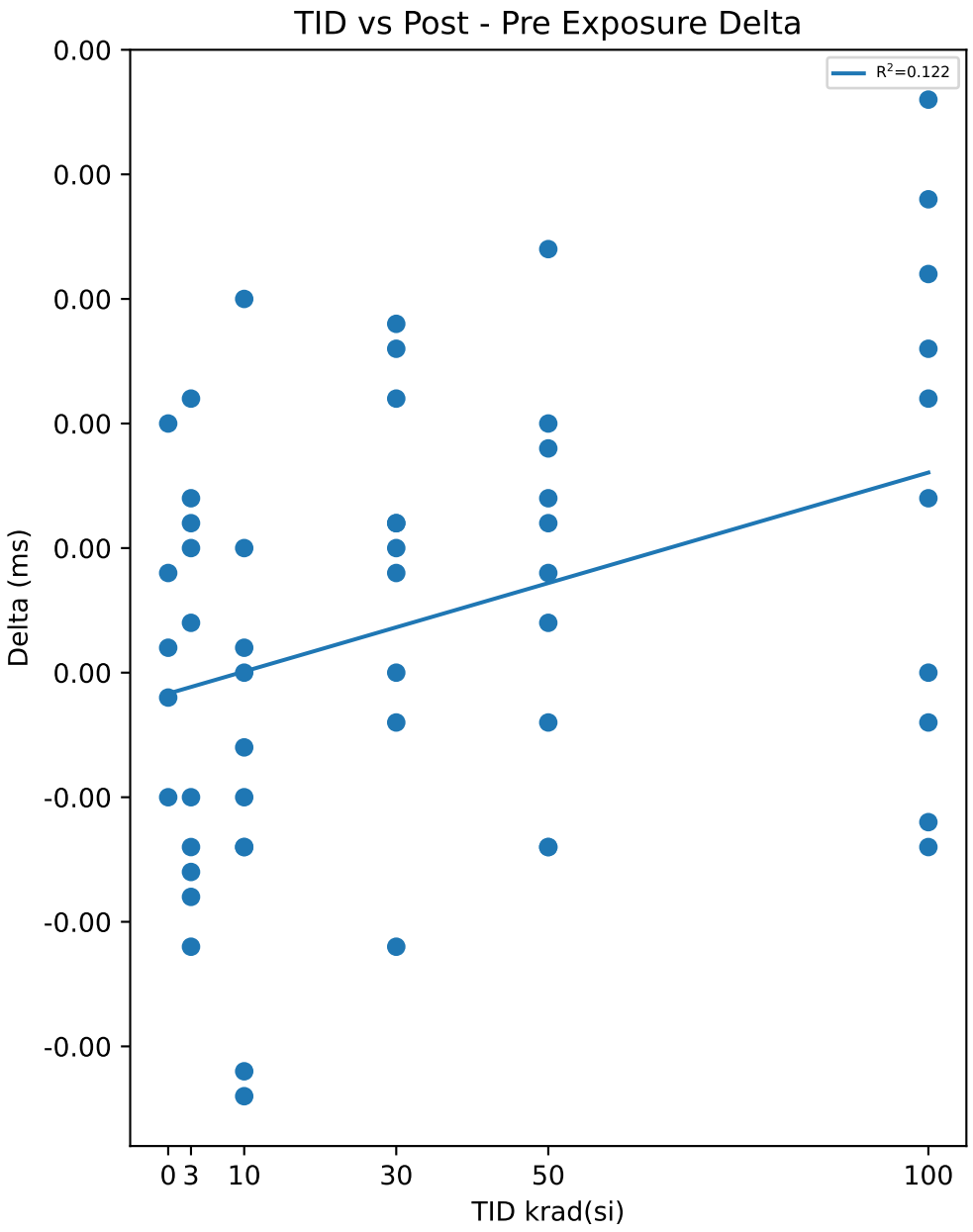
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.629	23.607	-0.0228
2	3	Biased	23.864	23.823	-0.041
3	3	Biased	24.088	24.046	-0.0419
4	3	Biased	24.004	23.97	-0.0341
5	3	Biased	23.658	23.633	-0.0251
6	3	Unbiased	23.621	23.595	-0.0268
7	3	Unbiased	24.191	24.247	0.0561
8	3	Unbiased	24.233	24.212	-0.0215
9	3	Unbiased	24.013	23.97	-0.0427
10	3	Unbiased	23.523	23.496	-0.027
11	10	Biased	23.514	23.666	0.1521
12	10	Biased	24.021	23.912	-0.1091
13	10	Biased	23.585	23.583	-0.0022
14	10	Biased	24.19	24.226	0.036
15	10	Biased	23.696	23.636	-0.0594
16	10	Unbiased	24.381	24.361	-0.0201
17	10	Unbiased	24.337	24.304	-0.0328
18	10	Unbiased	23.811	23.942	0.1303
19	10	Unbiased	23.987	24.055	0.0684
20	10	Unbiased	23.979	23.824	-0.155
21	30	Biased	24.074	24.337	0.2633
22	30	Biased	23.798	23.821	0.0229
23	30	Biased	24.57	24.648	0.0786
24	30	Biased	23.558	23.548	-0.0099
25	30	Biased	24.078	24.066	-0.0116
26	30	Unbiased	24.11	23.879	-0.2315
27	30	Unbiased	23.874	24.117	0.2424
28	30	Unbiased	24.142	24.183	0.0407
29	30	Unbiased	23.886	23.99	0.1036
30	30	Unbiased	24.07	24.356	0.2857
31	50	Biased	24.263	24.165	-0.0975
32	50	Biased	23.466	23.337	-0.1291
33	50	Biased	24.216	24.273	0.0563
34	50	Biased	24.683	24.79	0.1061
35	50	Biased	24.311	24.233	-0.0788
36	50	Unbiased	23.86	23.871	0.0114
37	50	Unbiased	23.621	23.54	-0.0813
38	50	Unbiased	24.418	24.396	-0.0211
39	50	Unbiased	24.367	24.472	0.1051
40	50	Unbiased	24.463	24.547	0.0841
41	100	Biased	23.6	24.05	0.4495
42	100	Biased	23.664	23.62	-0.044
43	100	Biased	23.604	23.769	0.1658
44	100	Biased	24.189	23.988	-0.2011
45	100	Biased	23.565	23.243	-0.3222
46	100	Unbiased	24.398	24.266	-0.1314
47	100	Unbiased	24.212	24.27	0.0573
48	100	Unbiased	23.401	23.671	0.2702
49	100	Unbiased	24.419	24.352	-0.0675
50	100	Unbiased	23.609	23.875	0.2657
51	0	Correlation	24.285	24.285	0.0004
53	0	Correlation	24.178	24.171	-0.0073
54	0	Correlation	24.033	24.01	-0.0225
55	0	Correlation	24.054	24.044	-0.0107
56	0	Correlation	23.825	23.843	0.018

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	23.825	24.075	24.285	0.17263	23.843	24.071	24.285	0.16742	-0.0225	-0.00442	0.018	0.015004
3	23.523	23.882	24.233	0.25907	23.496	23.86	24.247	0.26919	-0.0427	-0.02268	0.0561	0.028839
10	23.514	23.95	24.381	0.29944	23.583	23.951	24.361	0.28135	-0.155	0.00082	0.1521	0.098331
30	23.558	24.016	24.57	0.26583	23.548	24.094	24.648	0.31167	-0.2315	0.07842	0.2857	0.15675
50	23.466	24.167	24.683	0.39065	23.337	24.162	24.79	0.45498	-0.1291	-0.00448	0.1061	0.089388
100	23.401	23.866	24.419	0.38954	23.243	23.91	24.352	0.347	-0.3222	0.04423	0.4495	0.24149

Device Test: 5.39; DLY_TMR_10KOHM





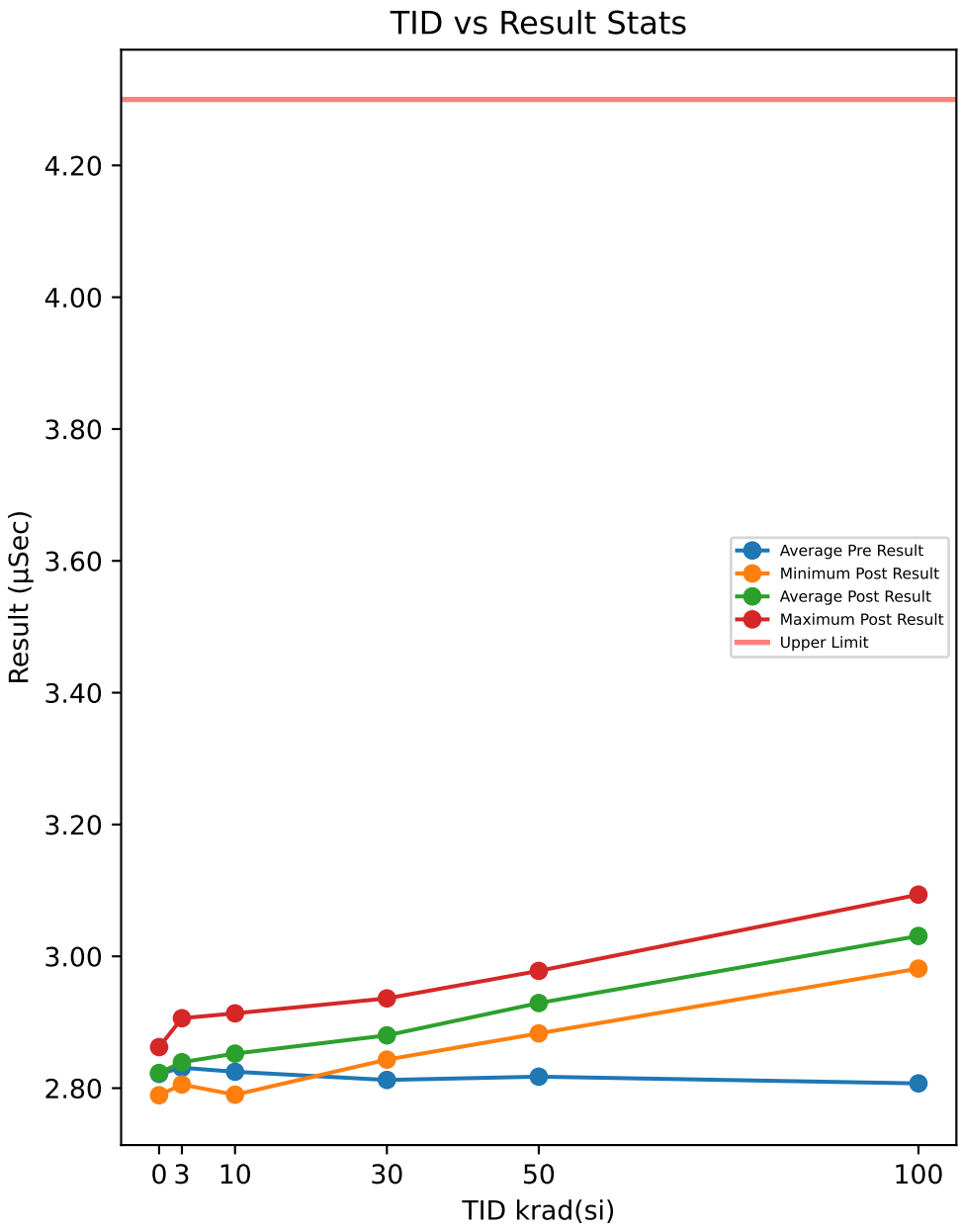
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

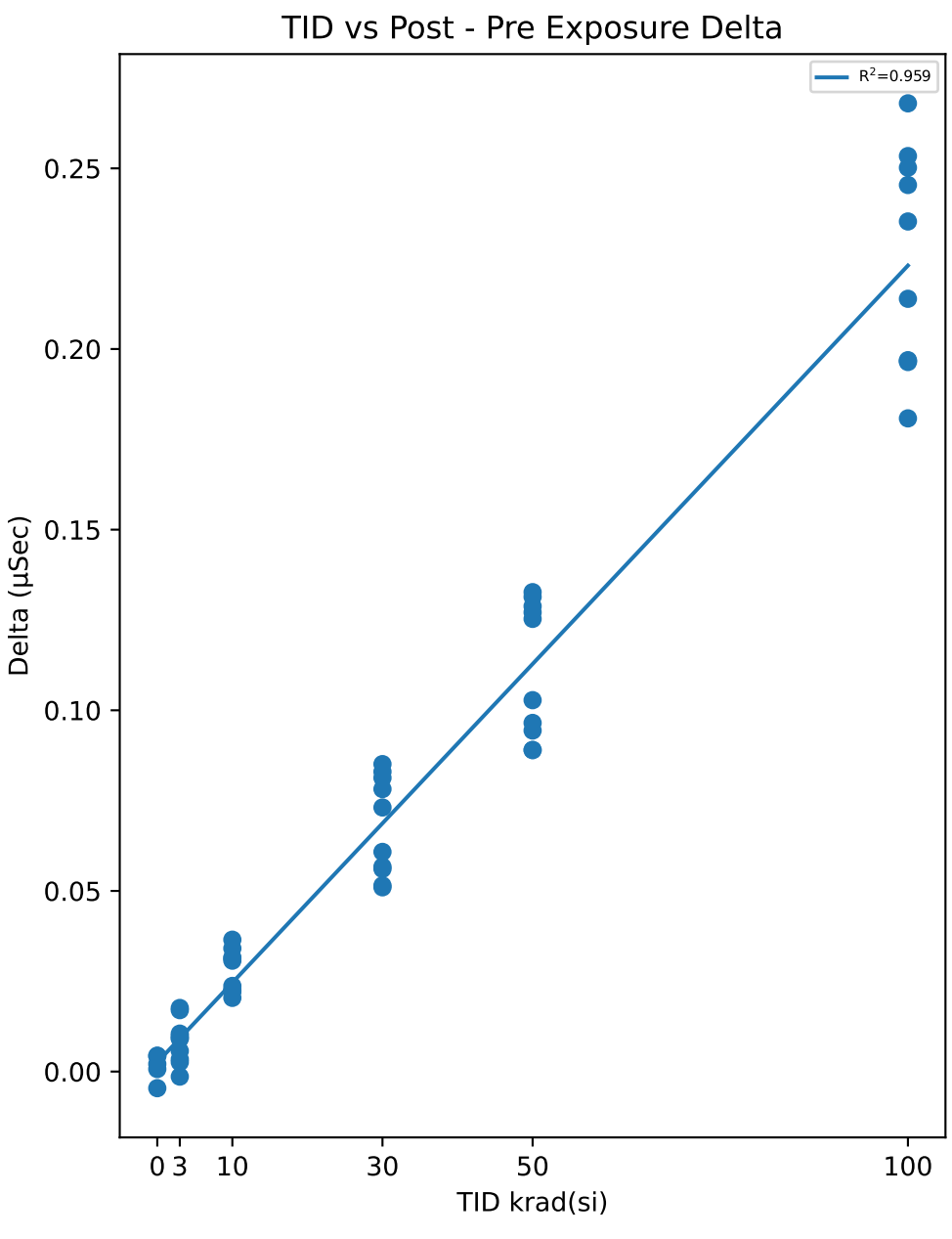
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2595	0.259	-0.0005
2	3	Biased	0.2692	0.2683	-0.0009
3	3	Biased	0.2691	0.2683	-0.0008
4	3	Biased	0.2697	0.2702	0.0005
5	3	Biased	0.2617	0.2619	0.0002
6	3	Unbiased	0.2694	0.2687	-0.0007
7	3	Unbiased	0.2697	0.2686	-0.0011
8	3	Unbiased	0.2628	0.2635	0.0007
9	3	Unbiased	0.2702	0.2708	0.0006
10	3	Unbiased	0.2683	0.2694	0.0011
11	10	Biased	0.2702	0.2699	-0.0003
12	10	Biased	0.2705	0.2688	-0.0017
13	10	Biased	0.2701	0.2685	-0.0016
14	10	Biased	0.2624	0.2617	-0.0007
15	10	Biased	0.2678	0.2678	0
16	10	Unbiased	0.2625	0.263	0.0005
17	10	Unbiased	0.2682	0.2697	0.0015
18	10	Unbiased	0.261	0.2605	-0.0005
19	10	Unbiased	0.2708	0.2701	-0.0007
20	10	Unbiased	0.2681	0.2682	0.0001
21	30	Biased	0.2721	0.2726	0.0005
22	30	Biased	0.2702	0.2706	0.0004
23	30	Biased	0.2691	0.2702	0.0011
24	30	Biased	0.2622	0.262	-0.0002
25	30	Biased	0.26	0.2606	0.0006
26	30	Unbiased	0.269	0.2704	0.0014
27	30	Unbiased	0.2617	0.2623	0.0006
28	30	Unbiased	0.267	0.2683	0.0013
29	30	Unbiased	0.2711	0.27	-0.0011
30	30	Unbiased	0.2702	0.2702	0
31	50	Biased	0.2719	0.2712	-0.0007
32	50	Biased	0.268	0.2689	0.0009
33	50	Biased	0.2706	0.271	0.0004
34	50	Biased	0.2629	0.2627	-0.0002
35	50	Biased	0.2629	0.2646	0.0017
36	50	Unbiased	0.2714	0.2707	-0.0007
37	50	Unbiased	0.2619	0.2629	0.001
38	50	Unbiased	0.2705	0.2712	0.0007
39	50	Unbiased	0.2706	0.2708	0.0002
40	50	Unbiased	0.2685	0.2691	0.0006
41	100	Biased	0.2687	0.271	0.0023
42	100	Biased	0.2692	0.2686	-0.0006
43	100	Biased	0.2697	0.2704	0.0007
44	100	Biased	0.2688	0.2699	0.0011
45	100	Biased	0.2621	0.264	0.0019
46	100	Unbiased	0.2699	0.2715	0.0016
47	100	Unbiased	0.2679	0.2692	0.0013
48	100	Unbiased	0.2687	0.2685	-0.0002
49	100	Unbiased	0.2703	0.2696	-0.0007
50	100	Unbiased	0.2637	0.2637	0
51	0	Correlation	0.2699	0.2703	0.0004
53	0	Correlation	0.268	0.2679	-0.0001
54	0	Correlation	0.2621	0.2622	0.0001
55	0	Correlation	0.2687	0.2697	0.001
56	0	Correlation	0.271	0.2705	-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	0.2621	0.26794	0.271	0.0034602	0.2622	0.26812	0.2705	0.0034644	-0.0005	0.00018	0.001	0.00056303
3	0.2595	0.26696	0.2702	0.0039928	0.259	0.26687	0.2708	0.0039632	-0.0011	-9e-05	0.0011	0.00079366
10	0.261	0.26716	0.2708	0.0037562	0.2605	0.26682	0.2701	0.0036346	-0.0017	-0.00034	0.0015	0.00095009
30	0.26	0.26726	0.2721	0.004361	0.2606	0.26772	0.2726	0.0043451	-0.0011	0.00046	0.0014	0.00075454
50	0.2619	0.26792	0.2719	0.0038867	0.2627	0.26831	0.2712	0.0035171	-0.0007	0.00039	0.0017	0.00076369
100	0.2621	0.2679	0.2703	0.0027499	0.2637	0.26864	0.2715	0.0027003	-0.0007	0.00074	0.0023	0.0010679

Device Test: 5.4; PROPD_RESET





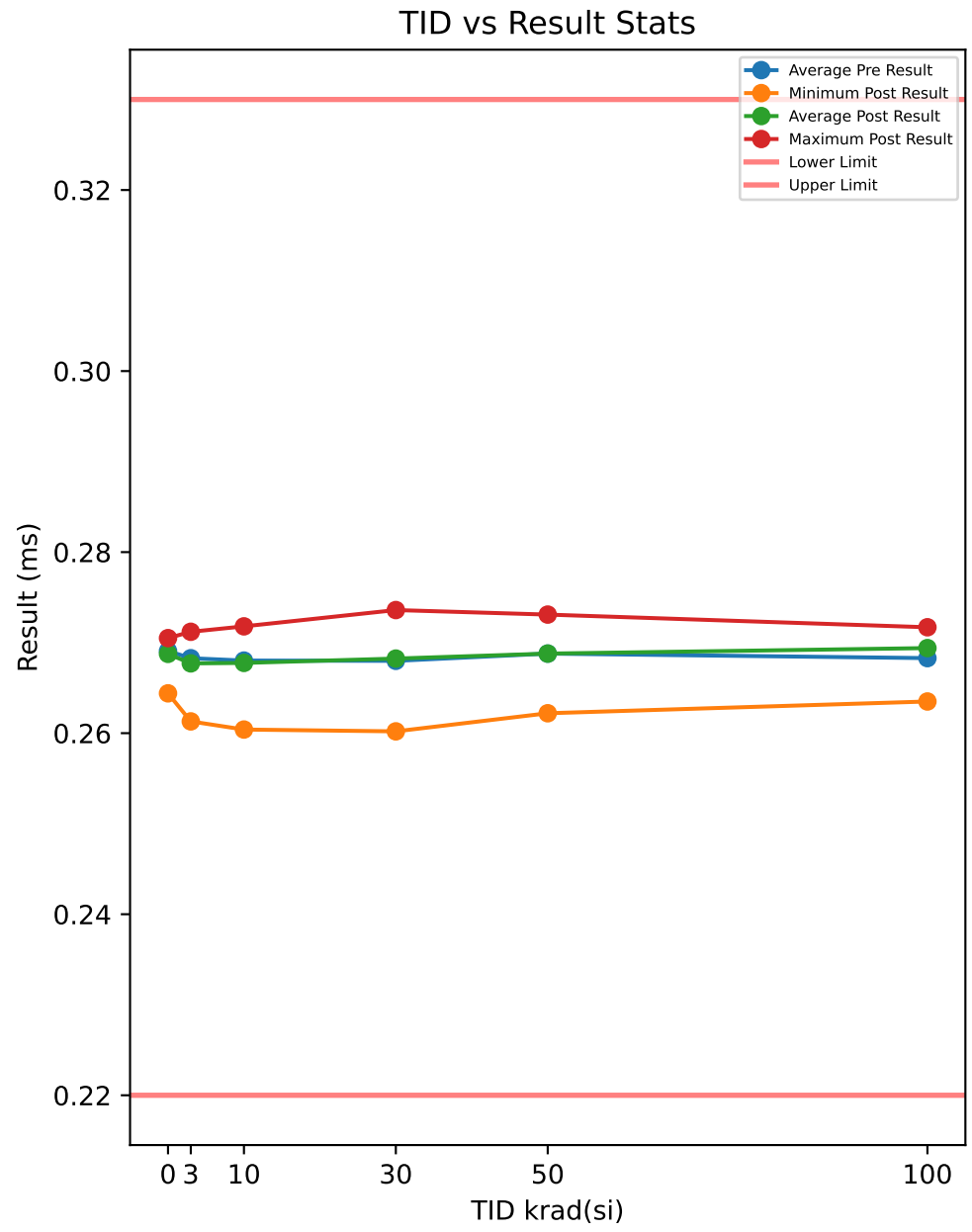
Test Results (Upper Limit = 4.3 (µSec))

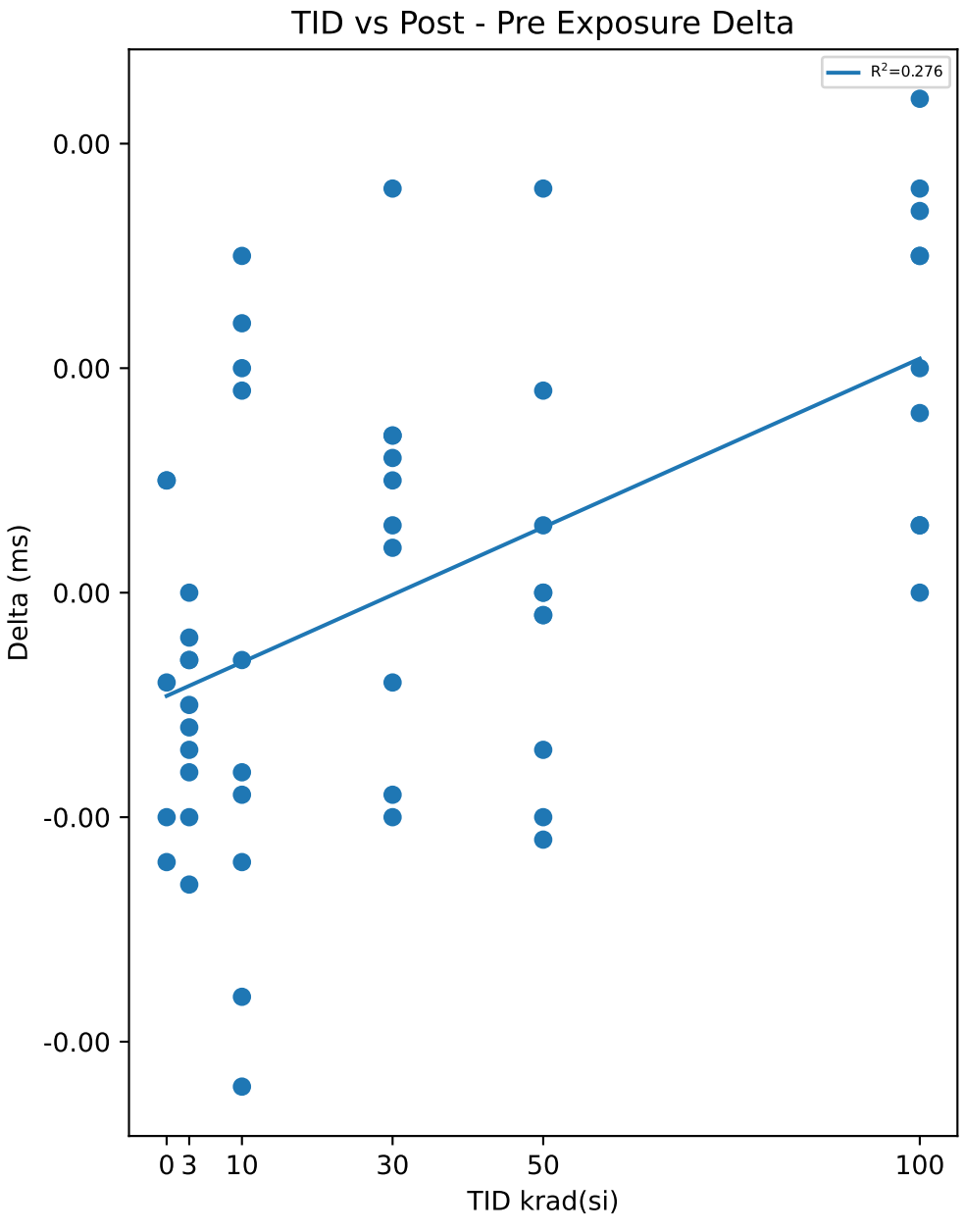
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.8851	2.8837	-0.0014
2	3	Biased	2.9035	2.9061	0.0026
3	3	Biased	2.8628	2.8685	0.0057
4	3	Biased	2.7972	2.8065	0.0093
5	3	Biased	2.8429	2.8463	0.0034
6	3	Unbiased	2.8032	2.8123	0.0091
7	3	Unbiased	2.7961	2.8137	0.0176
8	3	Unbiased	2.8151	2.825	0.0099
9	3	Unbiased	2.795	2.8055	0.0105
10	3	Unbiased	2.8092	2.8262	0.017
11	10	Biased	2.7678	2.79	0.0222
12	10	Biased	2.8607	2.883	0.0223
13	10	Biased	2.8035	2.8272	0.0237
14	10	Biased	2.7813	2.8039	0.0226
15	10	Biased	2.8421	2.8625	0.0204
16	10	Unbiased	2.8009	2.8316	0.0307
17	10	Unbiased	2.877	2.9135	0.0365
18	10	Unbiased	2.8698	2.9014	0.0316
19	10	Unbiased	2.8074	2.8415	0.0341
20	10	Unbiased	2.8384	2.8697	0.0313
21	30	Biased	2.7918	2.8433	0.0515
22	30	Biased	2.7893	2.846	0.0567
23	30	Biased	2.8801	2.9362	0.0561
24	30	Biased	2.7893	2.8501	0.0608
25	30	Biased	2.8022	2.8532	0.051
26	30	Unbiased	2.8299	2.9112	0.0813
27	30	Unbiased	2.8219	2.9001	0.0782
28	30	Unbiased	2.8346	2.9176	0.083
29	30	Unbiased	2.7949	2.88	0.0851
30	30	Unbiased	2.7903	2.8634	0.0731
31	50	Biased	2.7941	2.8831	0.089
32	50	Biased	2.7912	2.8856	0.0944
33	50	Biased	2.7924	2.8889	0.0965
34	50	Biased	2.8168	2.9196	0.1028
35	50	Biased	2.8725	2.9615	0.089
36	50	Unbiased	2.8452	2.9779	0.1327
37	50	Unbiased	2.8434	2.9748	0.1314
38	50	Unbiased	2.8142	2.9395	0.1253
39	50	Unbiased	2.8077	2.9365	0.1288
40	50	Unbiased	2.7969	2.924	0.1271
41	100	Biased	2.8969	3.0936	0.1967
42	100	Biased	2.7845	2.9814	0.1969
43	100	Biased	2.8053	3.0017	0.1964
44	100	Biased	2.7734	2.9873	0.2139
45	100	Biased	2.8041	2.9849	0.1808
46	100	Unbiased	2.7888	3.0241	0.2353
47	100	Unbiased	2.8344	3.0846	0.2502
48	100	Unbiased	2.7966	3.05	0.2534
49	100	Unbiased	2.8075	3.0755	0.268
50	100	Unbiased	2.7805	3.0259	0.2454
51	0	Correlation	2.8248	2.8291	0.0043
53	0	Correlation	2.8616	2.8623	0.0007
54	0	Correlation	2.7961	2.8005	0.0044
55	0	Correlation	2.8386	2.834	-0.0046
56	0	Correlation	2.7871	2.7892	0.0021

Test Statistics (µSec)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.7871	2.8216	2.8616	0.030577	2.7892	2.823	2.8623	0.028946	-0.0046	0.00138	0.0044	0.0036874
3	2.795	2.831	2.9035	0.040129	2.8055	2.8394	2.9061	0.035456	-0.0014	0.00837	0.0176	0.0060417
10	2.7678	2.8249	2.877	0.037994	2.79	2.8524	2.9135	0.040694	0.0204	0.02754	0.0365	0.0058692
30	2.7893	2.8124	2.8801	0.029558	2.8433	2.8801	2.9362	0.033896	0.051	0.06768	0.0851	0.013767
50	2.7912	2.8174	2.8725	0.027617	2.8831	2.9291	2.9779	0.035626	0.089	0.1117	0.1327	0.018808
100	2.7734	2.8072	2.8969	0.035933	2.9814	3.0309	3.0936	0.042895	0.1808	0.2237	0.268	0.030334

Device Test: 5.40; DLY_TMR_10KOHM





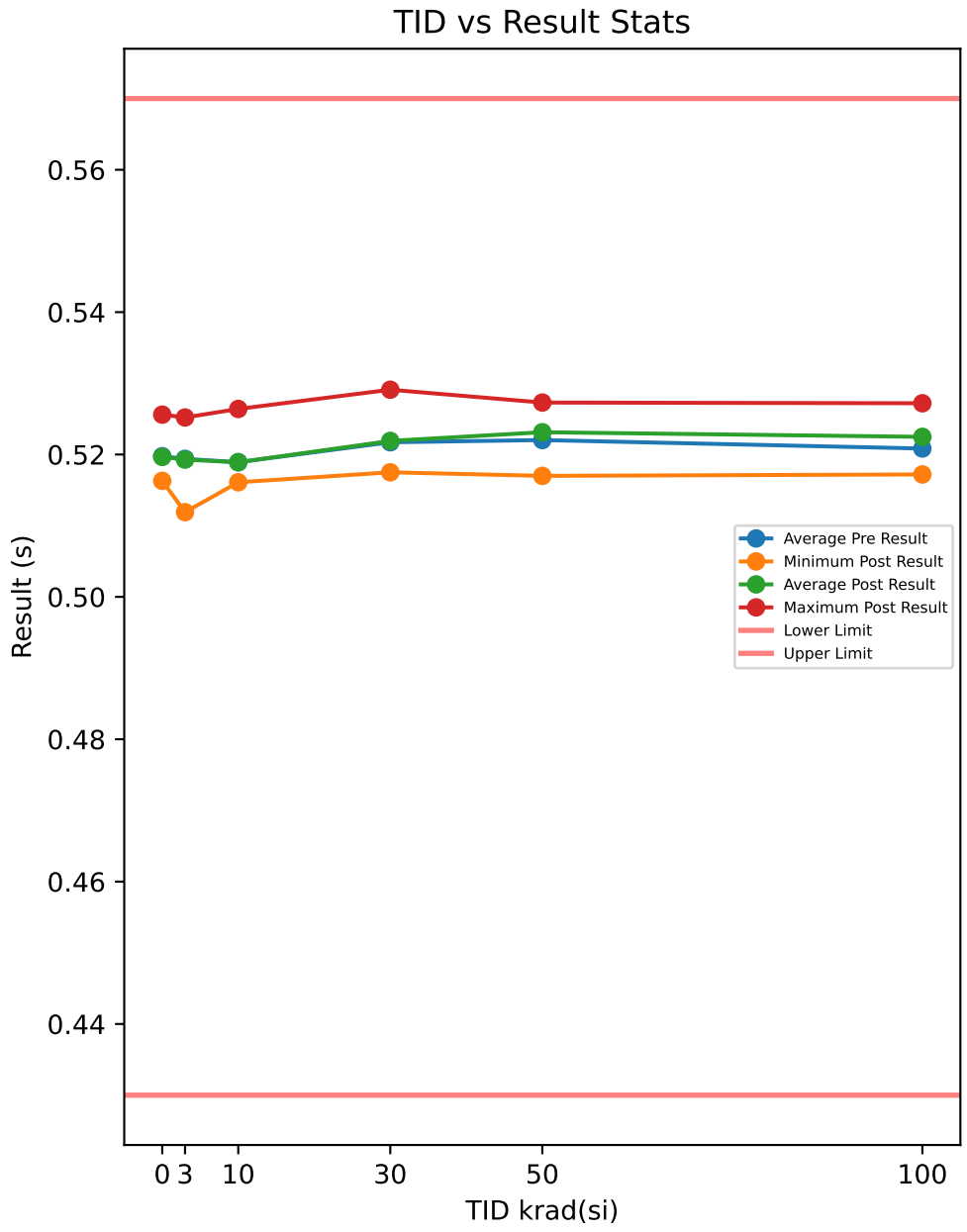
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2616	0.2613	-0.0003
2	3	Biased	0.2702	0.2689	-0.0013
3	3	Biased	0.2707	0.2697	-0.001
4	3	Biased	0.2712	0.2707	-0.0005
5	3	Biased	0.2622	0.262	-0.0002
6	3	Unbiased	0.2691	0.2685	-0.0006
7	3	Unbiased	0.2712	0.2709	-0.0003
8	3	Unbiased	0.2648	0.2641	-0.0007
9	3	Unbiased	0.272	0.2712	-0.0008
10	3	Unbiased	0.2698	0.2698	0
11	10	Biased	0.2713	0.2704	-0.0009
12	10	Biased	0.2703	0.2718	0.0015
13	10	Biased	0.2703	0.2695	-0.0008
14	10	Biased	0.2636	0.2624	-0.0012
15	10	Biased	0.2691	0.27	0.0009
16	10	Unbiased	0.2634	0.2646	0.0012
17	10	Unbiased	0.2693	0.2703	0.001
18	10	Unbiased	0.2607	0.2604	-0.0003
19	10	Unbiased	0.2723	0.2705	-0.0018
20	10	Unbiased	0.2699	0.2677	-0.0022
21	30	Biased	0.2718	0.2736	0.0018
22	30	Biased	0.2716	0.2718	0.0002
23	30	Biased	0.2689	0.2696	0.0007
24	30	Biased	0.2619	0.2626	0.0007
25	30	Biased	0.2611	0.2602	-0.0009
26	30	Unbiased	0.2707	0.2703	-0.0004
27	30	Unbiased	0.2633	0.2638	0.0005
28	30	Unbiased	0.2678	0.2684	0.0006
29	30	Unbiased	0.2723	0.2713	-0.001
30	30	Unbiased	0.2705	0.2708	0.0003
31	50	Biased	0.2729	0.2718	-0.0011
32	50	Biased	0.2684	0.2693	0.0009
33	50	Biased	0.2711	0.2711	0
34	50	Biased	0.2645	0.2645	0
35	50	Biased	0.2649	0.2642	-0.0007
36	50	Unbiased	0.2713	0.2731	0.0018
37	50	Unbiased	0.2623	0.2622	-0.0001
38	50	Unbiased	0.272	0.2723	0.0003
39	50	Unbiased	0.2708	0.2707	-0.0001
40	50	Unbiased	0.2697	0.2687	-0.001
41	100	Biased	0.2698	0.2706	0.0008
42	100	Biased	0.2688	0.271	0.0022
43	100	Biased	0.2705	0.2715	0.001
44	100	Biased	0.2685	0.27	0.0015
45	100	Biased	0.2635	0.2635	0
46	100	Unbiased	0.27	0.2717	0.0017
47	100	Unbiased	0.2679	0.2697	0.0018
48	100	Unbiased	0.2692	0.2707	0.0015
49	100	Unbiased	0.2704	0.2707	0.0003
50	100	Unbiased	0.2643	0.2646	0.0003
51	0	Correlation	0.2711	0.2701	-0.001
53	0	Correlation	0.269	0.2695	0.0005
54	0	Correlation	0.2639	0.2644	0.0005
55	0	Correlation	0.2697	0.2693	-0.0004
56	0	Correlation	0.2717	0.2705	-0.0012

Test Statistics (ms)

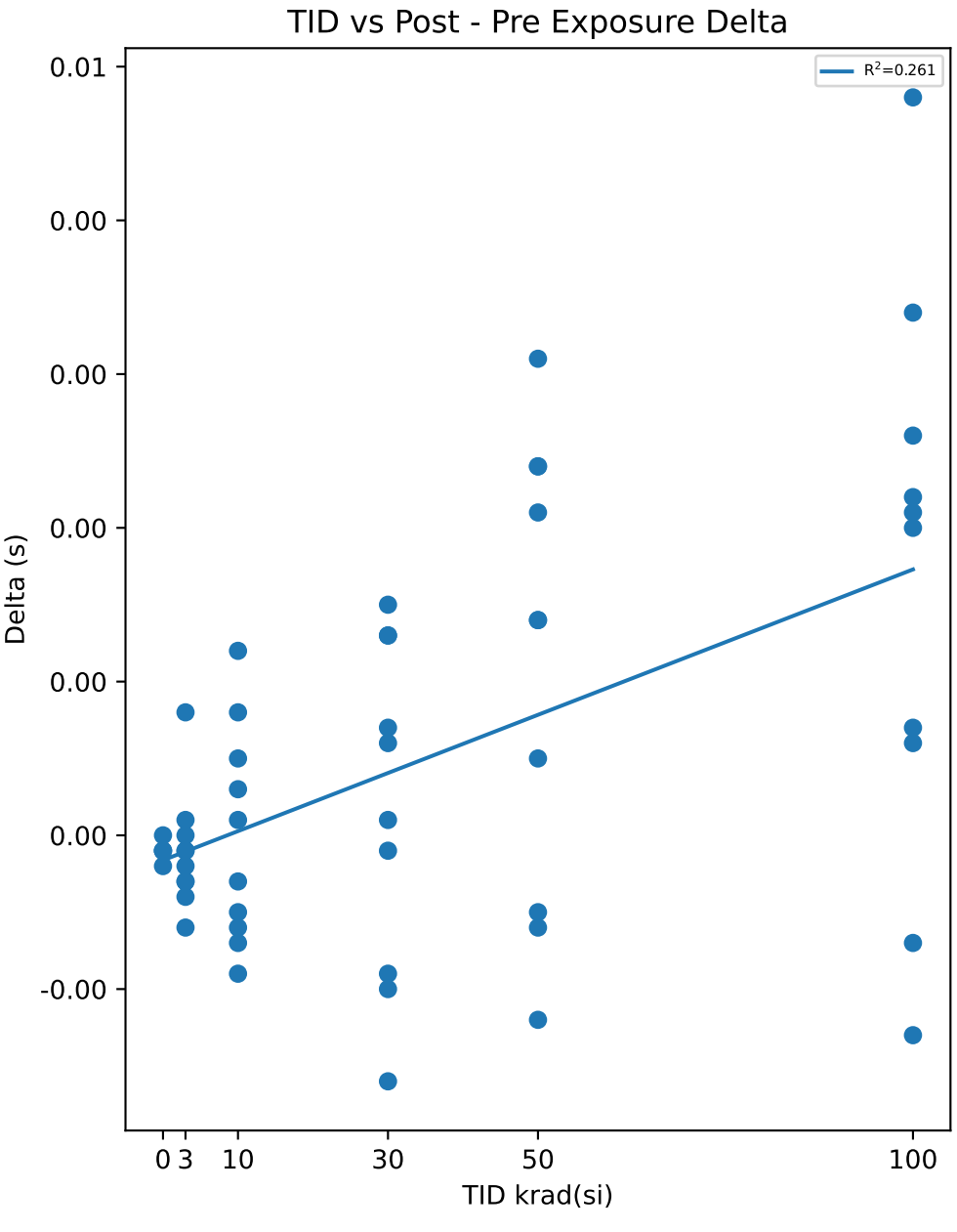
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2639	0.26908	0.2717	0.003089	0.2644	0.26876	0.2705	0.0024835	-0.0012	-0.00032	0.0005	0.00080436
3	0.2616	0.26828	0.272	0.0039032	0.2613	0.26771	0.2712	0.003777	-0.0013	-0.00057	0	0.00039455
10	0.2607	0.26802	0.2723	0.0039479	0.2604	0.26776	0.2718	0.0039184	-0.0022	-0.00026	0.0015	0.0013285
30	0.2611	0.26799	0.2723	0.0043101	0.2602	0.26824	0.2736	0.0044672	-0.001	0.00025	0.0018	0.00083699
50	0.2623	0.26879	0.2729	0.003644	0.2622	0.26879	0.2731	0.0038313	-0.0011	-5.5511e-18	0.0018	0.00087305
100	0.2635	0.26829	0.2705	0.0024651	0.2635	0.2694	0.2717	0.0028941	0	0.00111	0.0022	0.00074304

Device Test: 5.41; WD_TMR_10KOHM



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

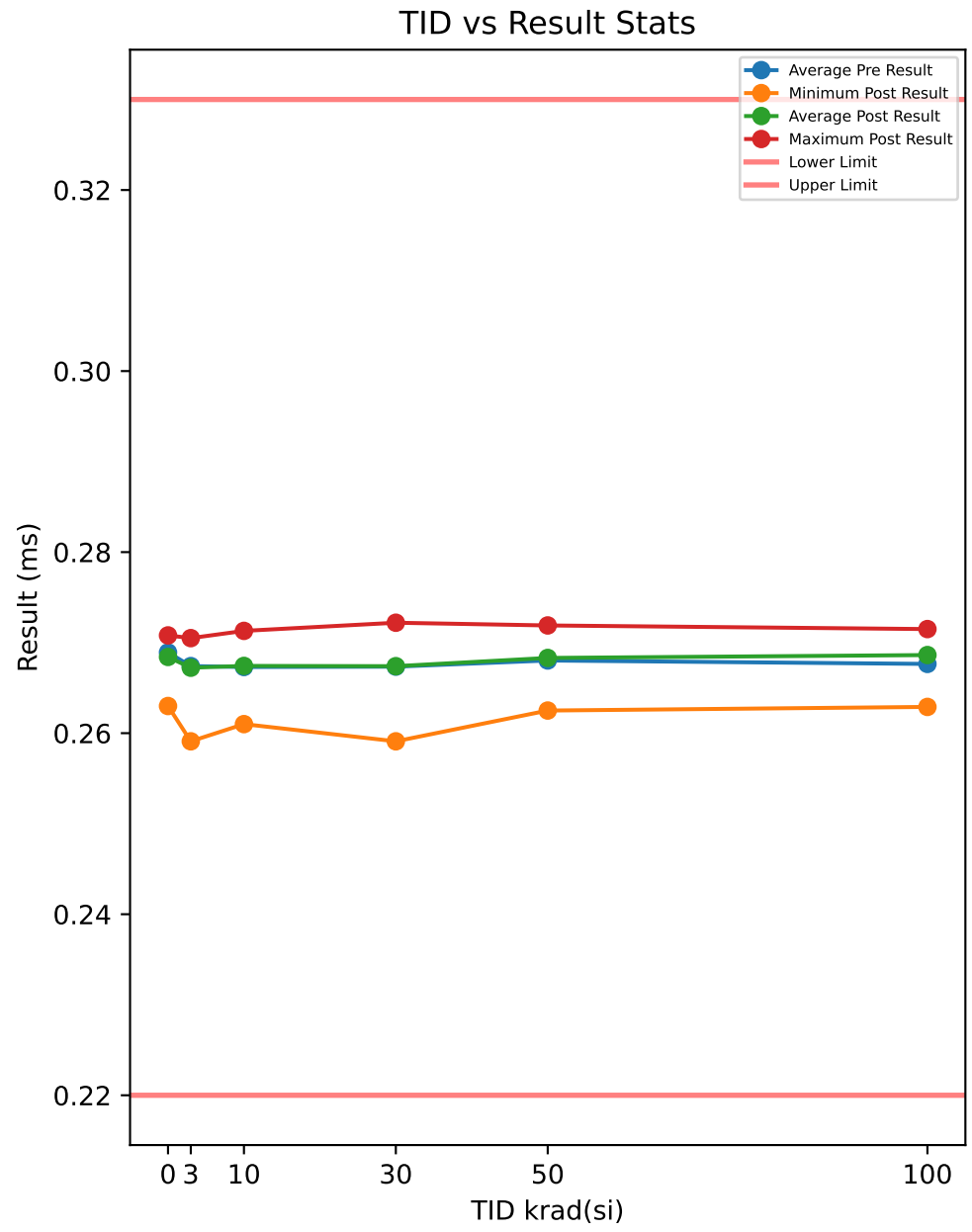
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.5207	0.5206	-0.0001
2	3	Biased	0.5123	0.5119	-0.0004
3	3	Biased	0.5161	0.516	-0.0001
4	3	Biased	0.5255	0.5252	-0.0003
5	3	Biased	0.517	0.5167	-0.0003
6	3	Unbiased	0.524	0.5241	0.0001
7	3	Unbiased	0.5198	0.5192	-0.0006
8	3	Unbiased	0.5126	0.5124	-0.0002
9	3	Unbiased	0.5228	0.5228	0
10	3	Unbiased	0.5231	0.5239	0.0008
11	10	Biased	0.5183	0.5174	-0.0009
12	10	Biased	0.52	0.5197	-0.0003
13	10	Biased	0.5261	0.5264	0.0003
14	10	Biased	0.5173	0.5167	-0.0006
15	10	Biased	0.5174	0.5169	-0.0005
16	10	Unbiased	0.5187	0.5192	0.0005
17	10	Unbiased	0.5149	0.5161	0.0012
18	10	Unbiased	0.5211	0.5204	-0.0007
19	10	Unbiased	0.5188	0.5196	0.0008
20	10	Unbiased	0.5166	0.5167	0.0001
21	30	Biased	0.5195	0.5185	-0.001
22	30	Biased	0.5267	0.5251	-0.0016
23	30	Biased	0.524	0.5253	0.0013
24	30	Biased	0.5206	0.5219	0.0013
25	30	Biased	0.5228	0.5219	-0.0009
26	30	Unbiased	0.5168	0.5175	0.0007
27	30	Unbiased	0.5192	0.5191	-0.0001
28	30	Unbiased	0.5186	0.5187	0.0001
29	30	Unbiased	0.5276	0.5291	0.0015
30	30	Unbiased	0.5214	0.522	0.0006
31	50	Biased	0.5234	0.5239	0.0005
32	50	Biased	0.5229	0.5243	0.0014
33	50	Biased	0.525	0.5264	0.0014
34	50	Biased	0.5216	0.5211	-0.0005
35	50	Biased	0.5249	0.5273	0.0024
36	50	Unbiased	0.5182	0.517	-0.0012
37	50	Unbiased	0.5251	0.5272	0.0021
38	50	Unbiased	0.5206	0.52	-0.0006
39	50	Unbiased	0.5204	0.5235	0.0031
40	50	Unbiased	0.5182	0.5206	0.0024
41	100	Biased	0.5226	0.5232	0.0006
42	100	Biased	0.5224	0.5244	0.002
43	100	Biased	0.5172	0.5193	0.0021
44	100	Biased	0.5178	0.5226	0.0048
45	100	Biased	0.5215	0.5241	0.0026
46	100	Unbiased	0.5189	0.5196	0.0007
47	100	Unbiased	0.515	0.5172	0.0022
48	100	Unbiased	0.524	0.5227	-0.0013
49	100	Unbiased	0.5279	0.5272	-0.0007
50	100	Unbiased	0.5211	0.5245	0.0034
51	0	Correlation	0.5207	0.5206	-0.0001
53	0	Correlation	0.5165	0.5163	-0.0002
54	0	Correlation	0.5195	0.5194	-0.0001
55	0	Correlation	0.5165	0.5164	-0.0001
56	0	Correlation	0.5256	0.5256	0

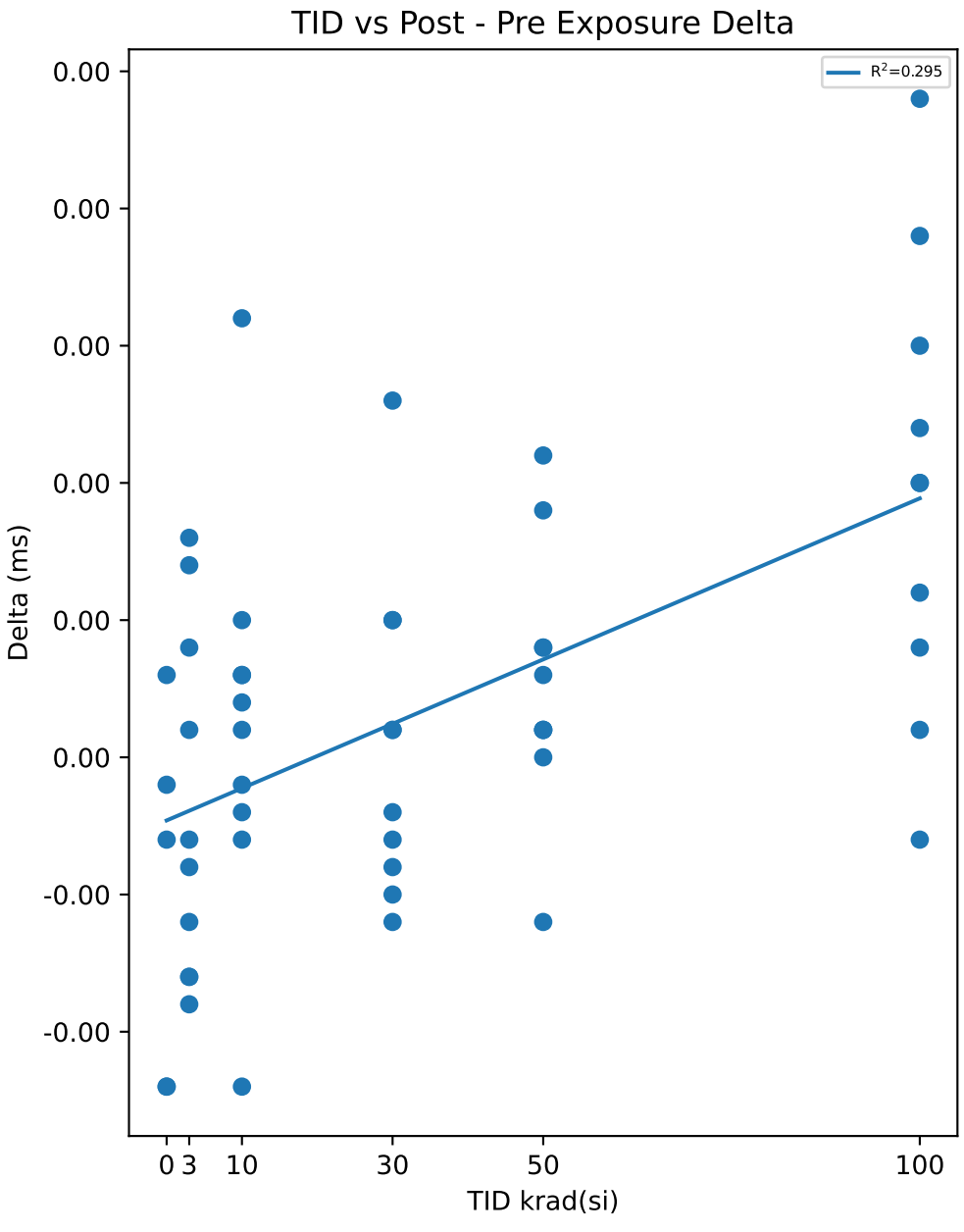


Test Statistics (s)

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	0.5165	0.51976	0.5256	0.0037521	0.5163	0.51966	0.5256	0.0038129	-0.0002	-0.0001	0	7.0711e-05
3	0.5123	0.51939	0.5255	0.0046995	0.5119	0.51928	0.5252	0.0048646	-0.0006	-0.00011	0.0008	0.00037845
10	0.5149	0.51892	0.5261	0.0030622	0.5161	0.51891	0.5264	0.0030457	-0.0009	-1e-05	0.0012	0.00070151
30	0.5168	0.52172	0.5276	0.0035326	0.5175	0.52191	0.5291	0.0036916	-0.0016	0.00019	0.0015	0.0010806
50	0.5182	0.52203	0.5251	0.0026529	0.517	0.52313	0.5273	0.0034098	-0.0012	0.0011	0.0031	0.001478
100	0.515	0.52084	0.5279	0.003745	0.5172	0.52248	0.5272	0.0029728	-0.0013	0.00164	0.0048	0.0018482

Device Test: 5.42; DLY_TMR_10KOHM





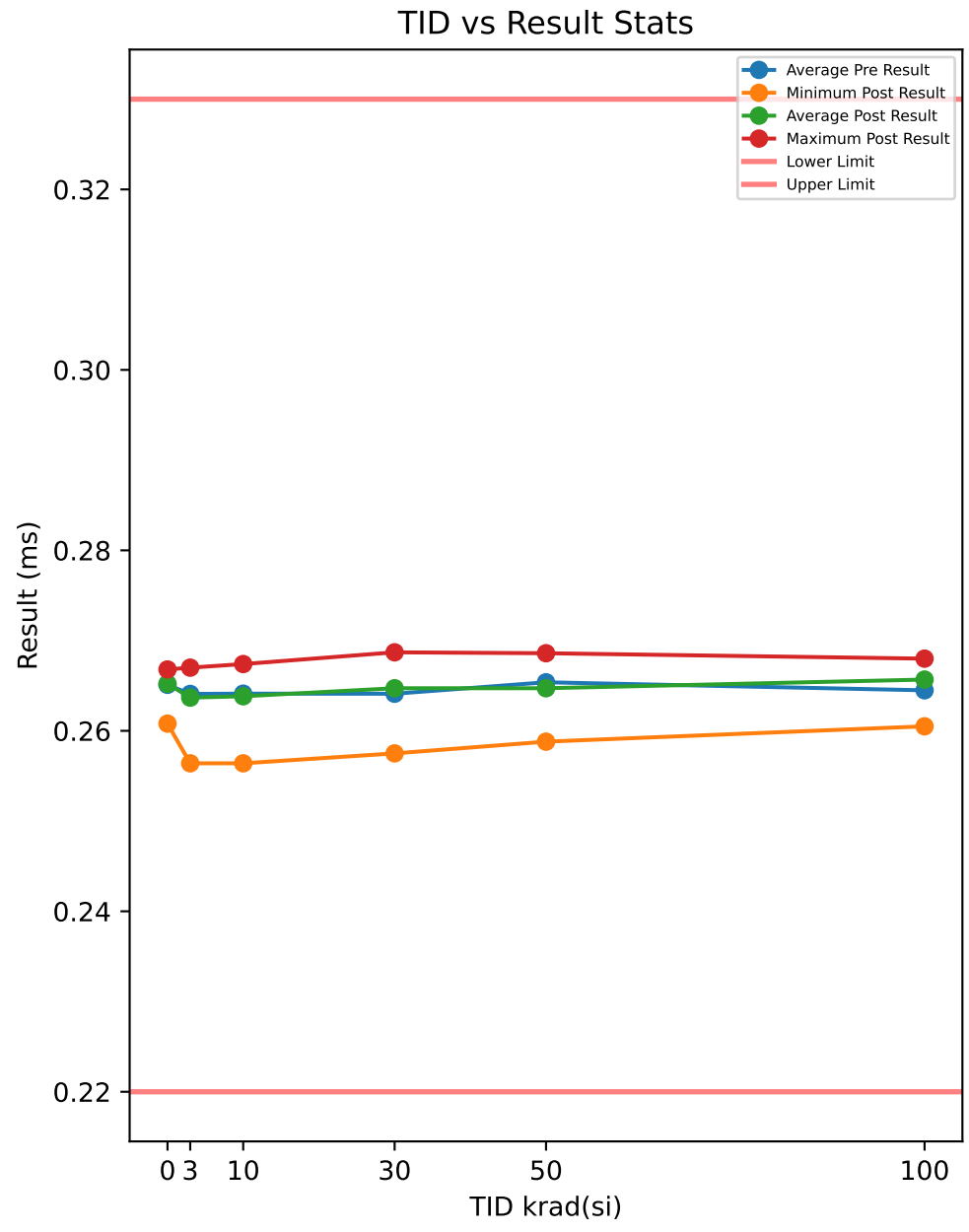
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

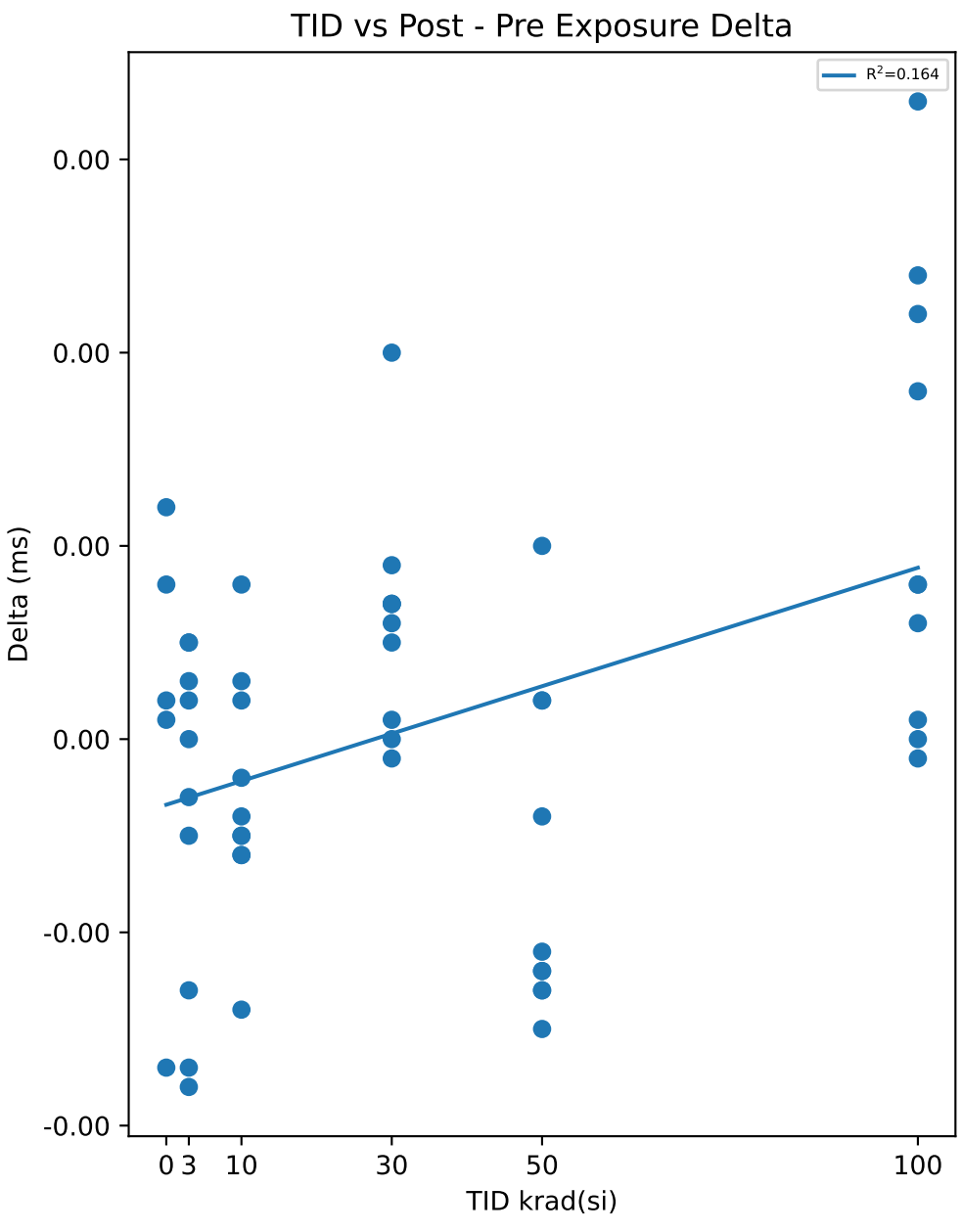
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2594	0.2591	-0.0003
2	3	Biased	0.269	0.2698	0.0008
3	3	Biased	0.2688	0.2689	0.0001
4	3	Biased	0.2708	0.2702	-0.0006
5	3	Biased	0.2614	0.2618	0.0004
6	3	Unbiased	0.2688	0.2695	0.0007
7	3	Unbiased	0.2705	0.2697	-0.0008
8	3	Unbiased	0.2637	0.2628	-0.0009
9	3	Unbiased	0.2713	0.2705	-0.0008
10	3	Unbiased	0.2704	0.27	-0.0004
11	10	Biased	0.2708	0.2713	0.0005
12	10	Biased	0.2703	0.2691	-0.0012
13	10	Biased	0.2691	0.2689	-0.0002
14	10	Biased	0.2617	0.2618	0.0001
15	10	Biased	0.2691	0.2694	0.0003
16	10	Unbiased	0.2622	0.2638	0.0016
17	10	Unbiased	0.269	0.2693	0.0003
18	10	Unbiased	0.2611	0.261	-0.0001
19	10	Unbiased	0.2715	0.2712	-0.0003
20	10	Unbiased	0.2683	0.2685	0.0002
21	30	Biased	0.2709	0.2722	0.0013
22	30	Biased	0.2719	0.2716	-0.0003
23	30	Biased	0.2695	0.2693	-0.0002
24	30	Biased	0.2615	0.2611	-0.0004
25	30	Biased	0.2597	0.2591	-0.0006
26	30	Unbiased	0.2696	0.2701	0.0005
27	30	Unbiased	0.263	0.2625	-0.0005
28	30	Unbiased	0.2678	0.2679	0.0001
29	30	Unbiased	0.2701	0.2702	0.0001
30	30	Unbiased	0.2695	0.27	0.0005
31	50	Biased	0.271	0.2711	0.0001
32	50	Biased	0.2675	0.2686	0.0011
33	50	Biased	0.2701	0.2705	0.0004
34	50	Biased	0.2636	0.2637	0.0001
35	50	Biased	0.2646	0.2647	0.0001
36	50	Unbiased	0.2709	0.2712	0.0003
37	50	Unbiased	0.2625	0.2625	0
38	50	Unbiased	0.271	0.2719	0.0009
39	50	Unbiased	0.271	0.2704	-0.0006
40	50	Unbiased	0.2681	0.2685	0.0004
41	100	Biased	0.2682	0.2692	0.001
42	100	Biased	0.2682	0.2701	0.0019
43	100	Biased	0.2698	0.2713	0.0015
44	100	Biased	0.2695	0.2696	0.0001
45	100	Biased	0.2617	0.2629	0.0012
46	100	Unbiased	0.2705	0.2715	0.001
47	100	Unbiased	0.2679	0.2676	-0.0003
48	100	Unbiased	0.2678	0.2702	0.0024
49	100	Unbiased	0.2695	0.2699	0.0004
50	100	Unbiased	0.2634	0.264	0.0006
51	0	Correlation	0.2711	0.2708	-0.0003
53	0	Correlation	0.2691	0.2679	-0.0012
54	0	Correlation	0.2642	0.263	-0.0012
55	0	Correlation	0.2696	0.2699	0.0003
56	0	Correlation	0.2706	0.2705	-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	0.2642	0.26892	0.2711	0.0027545	0.263	0.26842	0.2708	0.0032337	-0.0012	-0.0005	0.0003	0.00067454
3	0.2594	0.26741	0.2713	0.0042889	0.2591	0.26723	0.2705	0.0042563	-0.0009	-0.00018	0.0008	0.0006391
10	0.2611	0.26731	0.2715	0.0040148	0.261	0.26743	0.2713	0.0037842	-0.0012	0.00012	0.0016	0.00070522
30	0.2597	0.26735	0.2719	0.0043082	0.2591	0.2674	0.2722	0.0047025	-0.0006	5e-05	0.0013	0.00058547
50	0.2625	0.26803	0.271	0.003354	0.2625	0.26831	0.2719	0.0034375	-0.0006	0.00028	0.0011	0.00047563
100	0.2617	0.26765	0.2705	0.0028625	0.2629	0.26863	0.2715	0.0029477	-0.0003	0.00098	0.0024	0.00082165

Device Test: 5.43; DLY_TMR_10KOHM





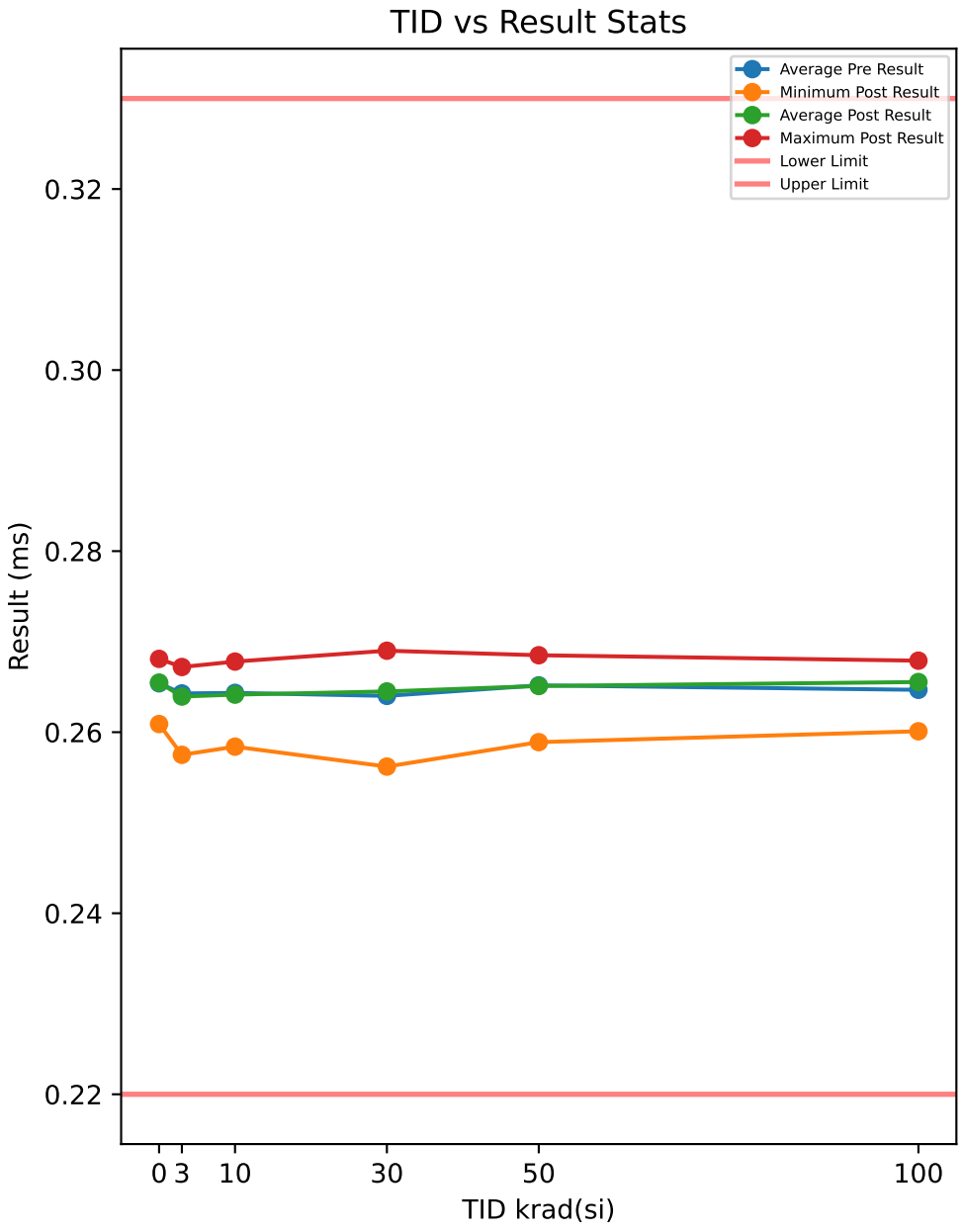
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

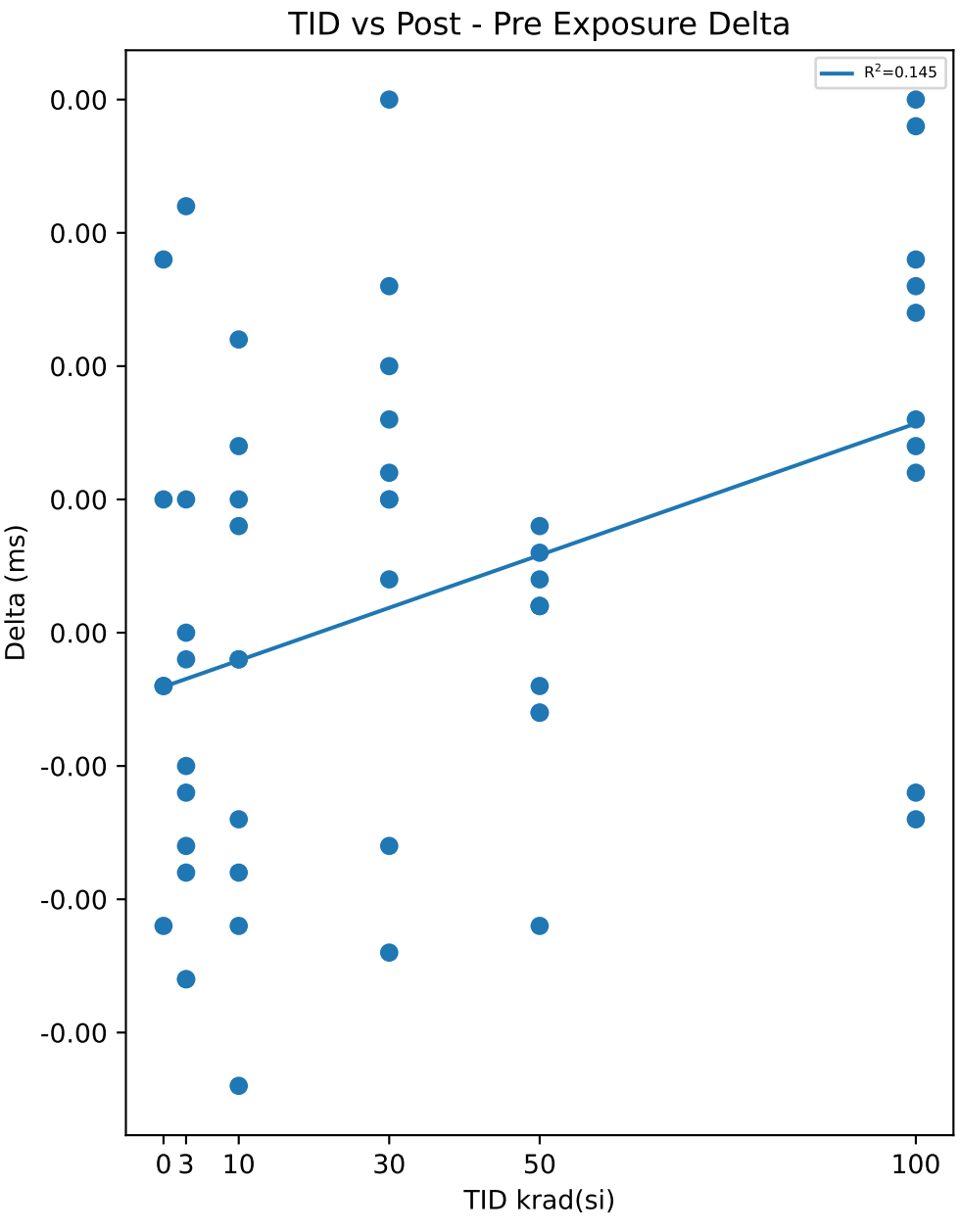
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2577	0.2564	-0.0013
2	3	Biased	0.2658	0.2658	0
3	3	Biased	0.2672	0.2654	-0.0018
4	3	Biased	0.2673	0.267	-0.0003
5	3	Biased	0.2584	0.2579	-0.0005
6	3	Unbiased	0.2665	0.2648	-0.0017
7	3	Unbiased	0.2663	0.2665	0.0002
8	3	Unbiased	0.2595	0.26	0.0005
9	3	Unbiased	0.2667	0.267	0.0003
10	3	Unbiased	0.2655	0.266	0.0005
11	10	Biased	0.2671	0.2673	0.0002
12	10	Biased	0.2671	0.2674	0.0003
13	10	Biased	0.267	0.2668	-0.0002
14	10	Biased	0.2597	0.2592	-0.0005
15	10	Biased	0.2651	0.2646	-0.0005
16	10	Unbiased	0.2592	0.26	0.0008
17	10	Unbiased	0.2666	0.2662	-0.0004
18	10	Unbiased	0.2578	0.2564	-0.0014
19	10	Unbiased	0.2672	0.2666	-0.0006
20	10	Unbiased	0.2644	0.2638	-0.0006
21	30	Biased	0.2683	0.2683	0
22	30	Biased	0.268	0.2679	-0.0001
23	30	Biased	0.2663	0.267	0.0007
24	30	Biased	0.259	0.2595	0.0005
25	30	Biased	0.2555	0.2575	0.002
26	30	Unbiased	0.2665	0.2666	0.0001
27	30	Unbiased	0.259	0.2599	0.0009
28	30	Unbiased	0.2644	0.2651	0.0007
29	30	Unbiased	0.2681	0.2687	0.0006
30	30	Unbiased	0.266	0.2667	0.0007
31	50	Biased	0.2693	0.2681	-0.0012
32	50	Biased	0.2656	0.2641	-0.0015
33	50	Biased	0.2685	0.2672	-0.0013
34	50	Biased	0.2602	0.2598	-0.0004
35	50	Biased	0.2611	0.2613	0.0002
36	50	Unbiased	0.2684	0.2686	0.0002
37	50	Unbiased	0.2578	0.2588	0.001
38	50	Unbiased	0.2685	0.2672	-0.0013
39	50	Unbiased	0.268	0.2669	-0.0011
40	50	Unbiased	0.2664	0.2652	-0.0012
41	100	Biased	0.2646	0.2679	0.0033
42	100	Biased	0.2652	0.2674	0.0022
43	100	Biased	0.2668	0.2668	0
44	100	Biased	0.2654	0.266	0.0006
45	100	Biased	0.2587	0.2605	0.0018
46	100	Unbiased	0.2672	0.268	0.0008
47	100	Unbiased	0.2653	0.2654	0.0001
48	100	Unbiased	0.2657	0.2665	0.0008
49	100	Unbiased	0.2665	0.2664	-0.0001
50	100	Unbiased	0.2595	0.2619	0.0024
51	0	Correlation	0.2662	0.2663	0.0001
53	0	Correlation	0.2652	0.2654	0.0002
54	0	Correlation	0.2596	0.2608	0.0012
55	0	Correlation	0.266	0.2668	0.0008
56	0	Correlation	0.2685	0.2668	-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	0.2596	0.2651	0.2685	0.0033106	0.2608	0.26522	0.2668	0.0025361	-0.0017	0.00012	0.0012	0.0011122
3	0.2577	0.26409	0.2673	0.0038969	0.2564	0.26368	0.267	0.0040005	-0.0018	-0.00041	0.0005	0.00088876
10	0.2578	0.26412	0.2672	0.0037478	0.2564	0.26383	0.2674	0.0039271	-0.0014	-0.00029	0.0008	0.00060636
30	0.2555	0.26411	0.2683	0.0045841	0.2575	0.26472	0.2687	0.0041389	-0.0001	0.00061	0.002	0.00059526
50	0.2578	0.26538	0.2693	0.0041435	0.2588	0.26472	0.2686	0.0035761	-0.0015	-0.00066	0.001	0.00085661
100	0.2587	0.26449	0.2672	0.0029554	0.2605	0.26568	0.268	0.002517	-0.0001	0.00119	0.0033	0.0011657

Device Test: 5.44; DLY_TMR_10KOHM





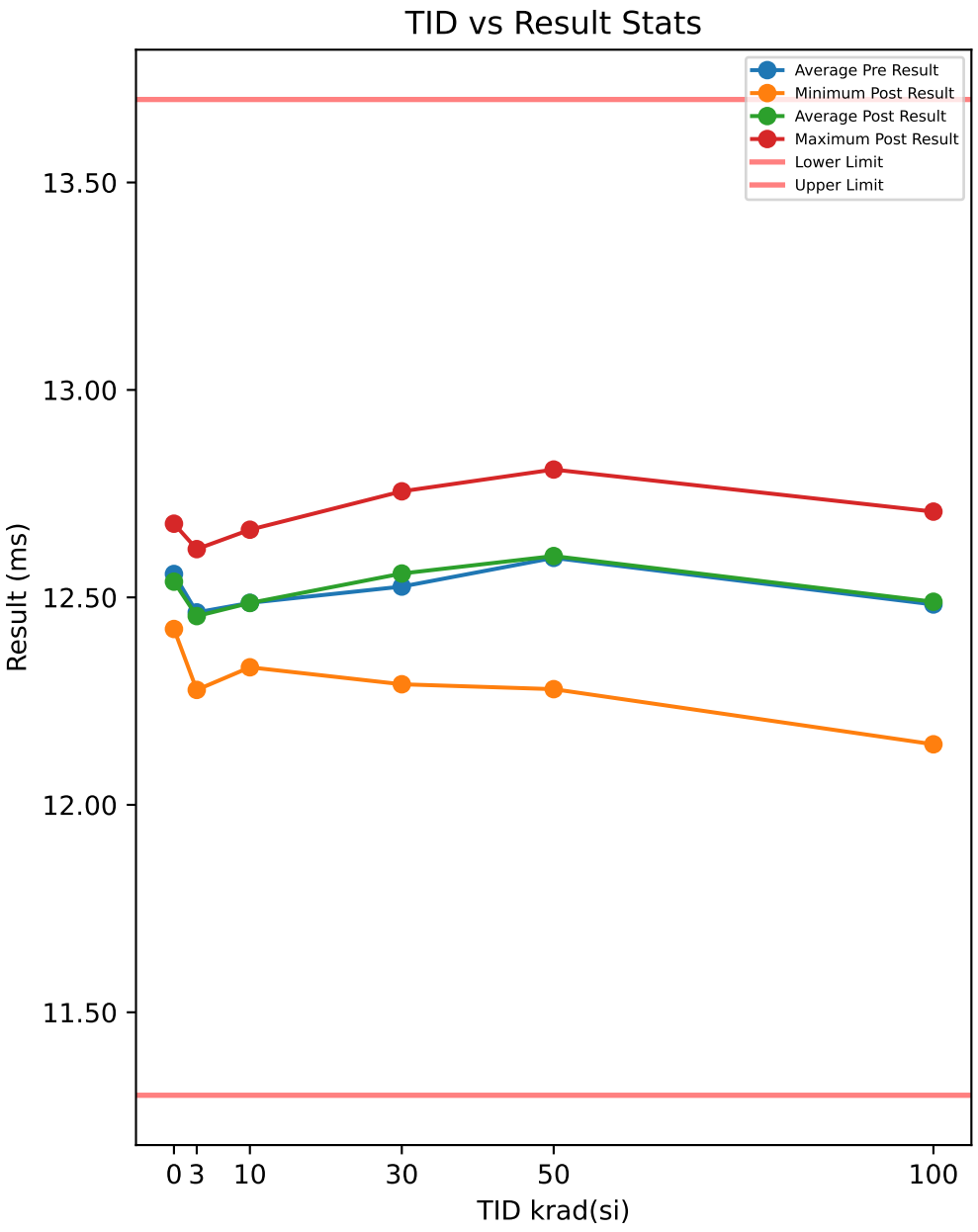
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

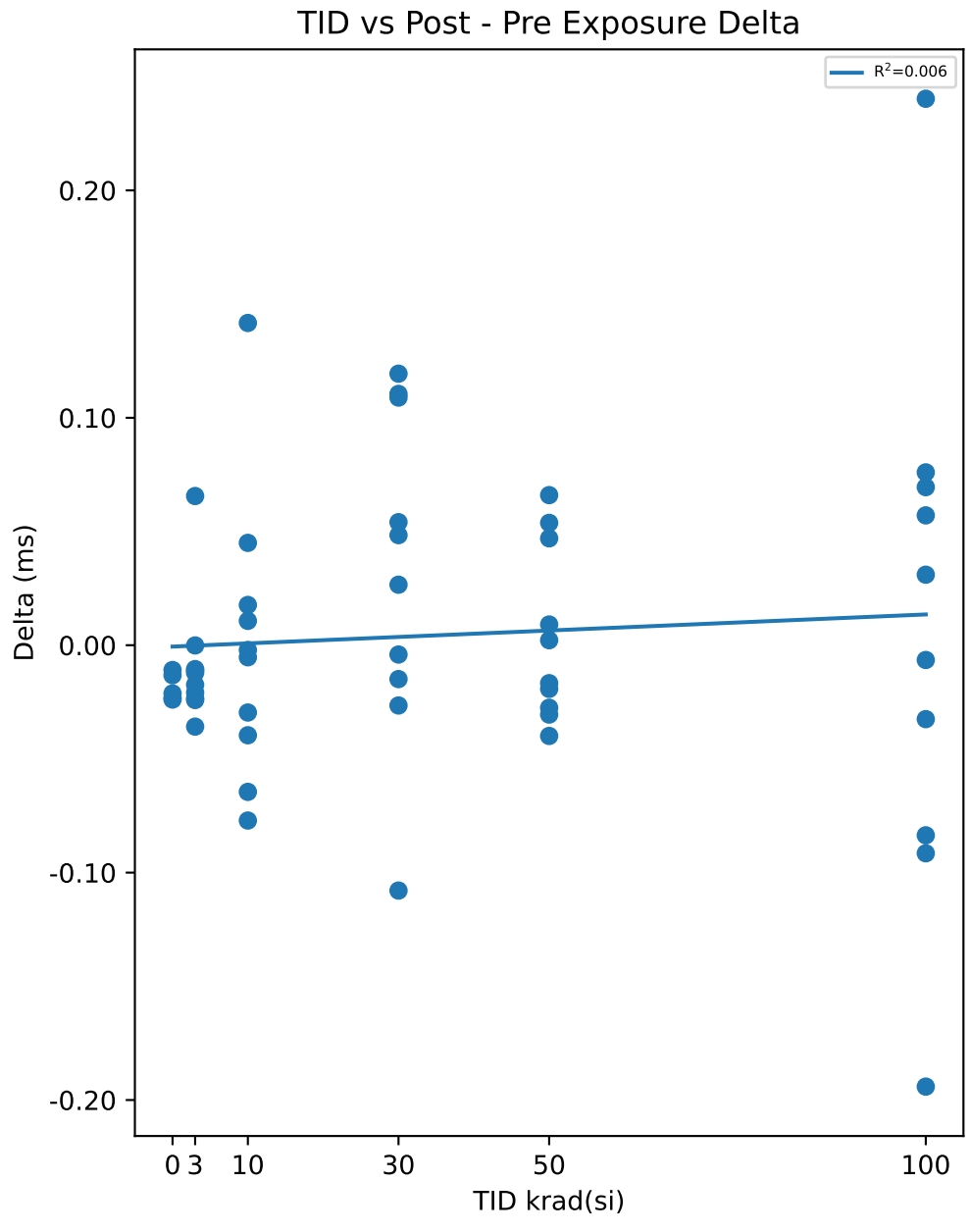
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.257	0.2575	0.0005
2	3	Biased	0.2661	0.2653	-0.0008
3	3	Biased	0.267	0.2669	-0.0001
4	3	Biased	0.2678	0.2665	-0.0013
5	3	Biased	0.2589	0.258	-0.0009
6	3	Unbiased	0.2658	0.2645	-0.0013
7	3	Unbiased	0.2671	0.2665	-0.0006
8	3	Unbiased	0.2593	0.2609	0.0016
9	3	Unbiased	0.2677	0.2672	-0.0005
10	3	Unbiased	0.2661	0.2661	0
11	10	Biased	0.2671	0.2678	0.0007
12	10	Biased	0.2673	0.2678	0.0005
13	10	Biased	0.2662	0.2666	0.0004
14	10	Biased	0.2593	0.2586	-0.0007
15	10	Biased	0.2665	0.2654	-0.0011
16	10	Unbiased	0.2606	0.2589	-0.0017
17	10	Unbiased	0.266	0.2659	-0.0001
18	10	Unbiased	0.2573	0.2584	0.0011
19	10	Unbiased	0.2679	0.267	-0.0009
20	10	Unbiased	0.2652	0.2651	-0.0001
21	30	Biased	0.2688	0.269	0.0002
22	30	Biased	0.2676	0.2686	0.001
23	30	Biased	0.2654	0.266	0.0006
24	30	Biased	0.2586	0.2591	0.0005
25	30	Biased	0.257	0.2562	-0.0008
26	30	Unbiased	0.2676	0.2664	-0.0012
27	30	Unbiased	0.2583	0.2588	0.0005
28	30	Unbiased	0.2636	0.2649	0.0013
29	30	Unbiased	0.2671	0.2679	0.0008
30	30	Unbiased	0.2661	0.2681	0.002
31	50	Biased	0.2682	0.2685	0.0003
32	50	Biased	0.2649	0.2646	-0.0003
33	50	Biased	0.2684	0.2685	0.0001
34	50	Biased	0.261	0.2607	-0.0003
35	50	Biased	0.2601	0.2603	0.0002
36	50	Unbiased	0.2678	0.2679	0.0001
37	50	Unbiased	0.2591	0.2589	-0.0002
38	50	Unbiased	0.2689	0.2678	-0.0011
39	50	Unbiased	0.2679	0.2683	0.0004
40	50	Unbiased	0.2654	0.2655	0.0001
41	100	Biased	0.2658	0.2666	0.0008
42	100	Biased	0.2657	0.2664	0.0007
43	100	Biased	0.2672	0.2678	0.0006
44	100	Biased	0.2656	0.2675	0.0019
45	100	Biased	0.2588	0.2601	0.0013
46	100	Unbiased	0.2659	0.2679	0.002
47	100	Unbiased	0.2654	0.2648	-0.0006
48	100	Unbiased	0.2654	0.2668	0.0014
49	100	Unbiased	0.2666	0.2659	-0.0007
50	100	Unbiased	0.2604	0.2616	0.0012
51	0	Correlation	0.2672	0.267	-0.0002
53	0	Correlation	0.2657	0.2646	-0.0011
54	0	Correlation	0.2604	0.2609	0.0005
55	0	Correlation	0.267	0.2668	-0.0002
56	0	Correlation	0.2667	0.2681	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	0.2604	0.2654	0.2672	0.0028539	0.2609	0.26548	0.2681	0.0028578	-0.0011	8e-05	0.0014	0.00093113
3	0.257	0.26428	0.2678	0.0041515	0.2575	0.26394	0.2672	0.0037316	-0.0013	-0.00034	0.0016	0.00088844
10	0.2573	0.26434	0.2679	0.0037951	0.2584	0.26415	0.2678	0.0039119	-0.0017	-0.00019	0.0011	0.0008925
30	0.257	0.26401	0.2688	0.004419	0.2562	0.2645	0.269	0.0046921	-0.0012	0.00049	0.002	0.00093743
50	0.2591	0.26517	0.2689	0.0037707	0.2589	0.2651	0.2685	0.0037968	-0.0011	-7e-05	0.0004	0.00043474
100	0.2588	0.26468	0.2672	0.0027608	0.2601	0.26554	0.2679	0.0026617	-0.0007	0.00086	0.002	0.00092159

Device Test: 5.45; DLY_TMR_500KOHM





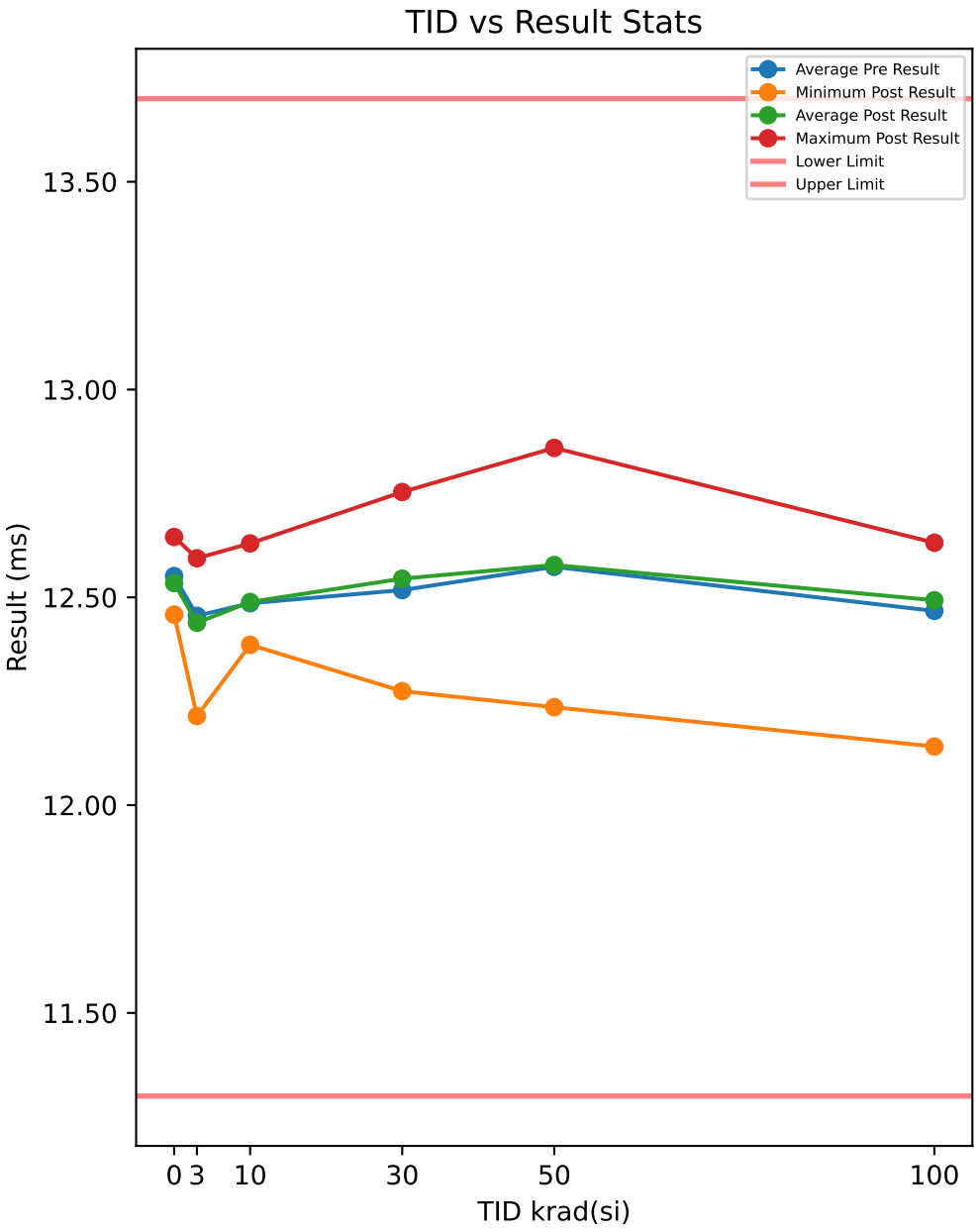
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

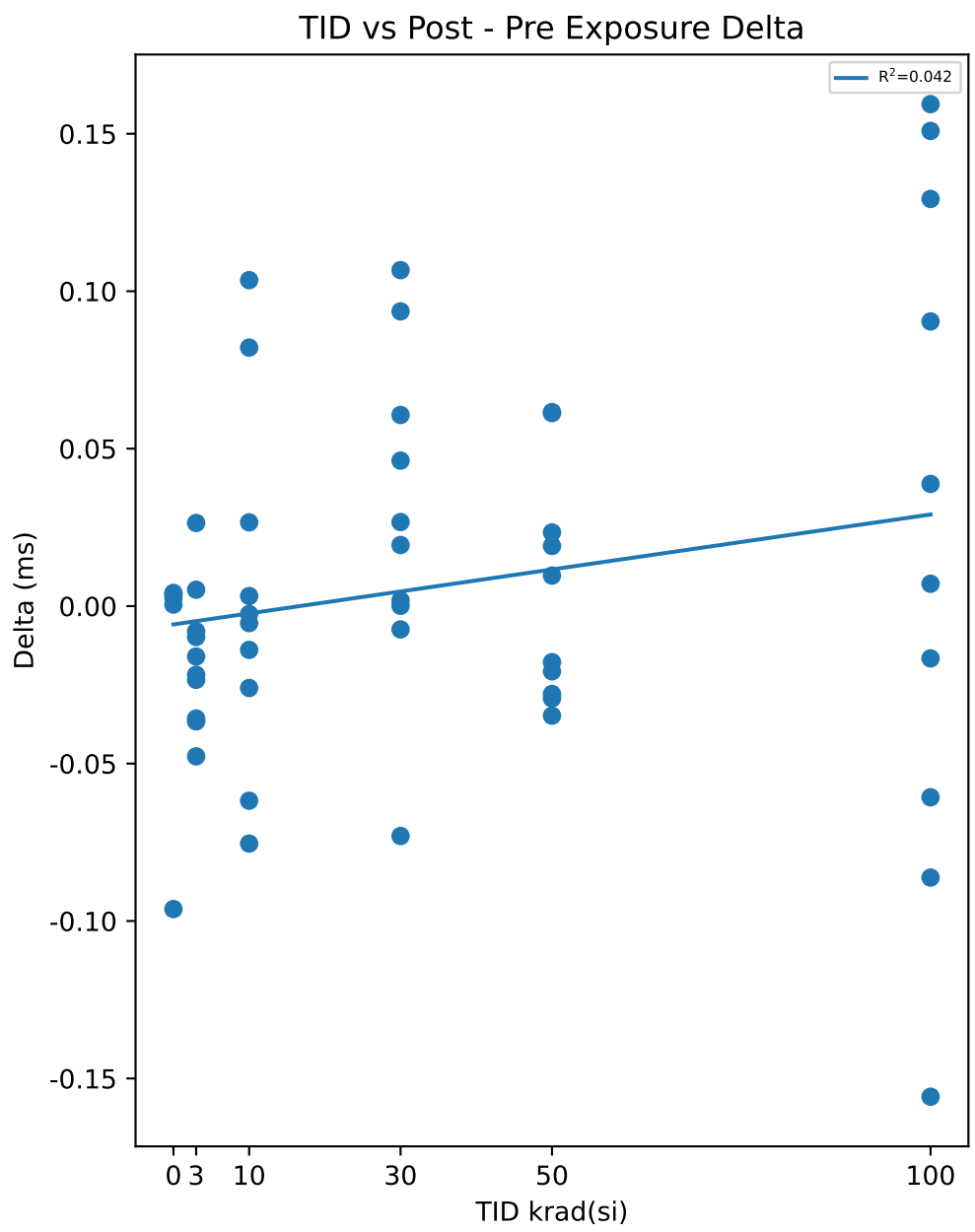
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.309	12.285	-0.0241
2	3	Biased	12.452	12.428	-0.0234
3	3	Biased	12.583	12.547	-0.0358
4	3	Biased	12.555	12.534	-0.0208
5	3	Biased	12.289	12.277	-0.0121
6	3	Unbiased	12.373	12.438	0.0656
7	3	Unbiased	12.616	12.616	-0.0001
8	3	Unbiased	12.564	12.546	-0.0174
9	3	Unbiased	12.558	12.547	-0.0111
10	3	Unbiased	12.339	12.329	-0.0105
11	10	Biased	12.312	12.453	0.1417
12	10	Biased	12.583	12.518	-0.0645
13	10	Biased	12.367	12.364	-0.0021
14	10	Biased	12.57	12.581	0.0107
15	10	Biased	12.371	12.332	-0.0396
16	10	Unbiased	12.629	12.623	-0.0053
17	10	Unbiased	12.693	12.663	-0.0296
18	10	Unbiased	12.319	12.364	0.045
19	10	Unbiased	12.545	12.563	0.0177
20	10	Unbiased	12.48	12.403	-0.0771
21	30	Biased	12.595	12.706	0.1105
22	30	Biased	12.483	12.51	0.0266
23	30	Biased	12.677	12.726	0.0484
24	30	Biased	12.317	12.291	-0.0265
25	30	Biased	12.434	12.43	-0.0041
26	30	Unbiased	12.602	12.495	-0.1079
27	30	Unbiased	12.399	12.519	0.1194
28	30	Unbiased	12.586	12.571	-0.0149
29	30	Unbiased	12.519	12.573	0.0541
30	30	Unbiased	12.647	12.756	0.1089
31	50	Biased	12.696	12.656	-0.0399
32	50	Biased	12.345	12.325	-0.0192
33	50	Biased	12.66	12.662	0.0022
34	50	Biased	12.825	12.808	-0.0167
35	50	Biased	12.58	12.553	-0.0275
36	50	Unbiased	12.516	12.525	0.0091
37	50	Unbiased	12.309	12.279	-0.0305
38	50	Unbiased	12.682	12.748	0.066
39	50	Unbiased	12.698	12.751	0.0538
40	50	Unbiased	12.642	12.689	0.047
41	100	Biased	12.348	12.588	0.2403
42	100	Biased	12.347	12.341	-0.0065
43	100	Biased	12.379	12.455	0.076
44	100	Biased	12.626	12.535	-0.0915
45	100	Biased	12.34	12.146	-0.1941
46	100	Unbiased	12.758	12.675	-0.0836
47	100	Unbiased	12.624	12.655	0.031
48	100	Unbiased	12.33	12.387	0.0571
49	100	Unbiased	12.739	12.707	-0.0325
50	100	Unbiased	12.337	12.407	0.0695
51	0	Correlation	12.691	12.678	-0.0132
53	0	Correlation	12.605	12.581	-0.0239
54	0	Correlation	12.445	12.424	-0.0212
55	0	Correlation	12.534	12.523	-0.0109
56	0	Correlation	12.508	12.484	-0.0232

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	12.556	12.691	0.094458	12.424	12.538	12.678	0.096771	-0.0239	-0.01848	-0.0109	0.0060081
3	12.289	12.464	12.616	0.12612	12.277	12.455	12.616	0.12255	-0.0358	-0.00897	0.0656	0.027937
10	12.312	12.487	12.693	0.13693	12.332	12.486	12.663	0.11908	-0.0771	-0.00031	0.1417	0.062461
30	12.317	12.526	12.677	0.11633	12.291	12.557	12.756	0.1435	-0.1079	0.03145	0.1194	0.072261
50	12.309	12.595	12.825	0.16267	12.279	12.6	12.808	0.17929	-0.0399	0.00443	0.066	0.038408
100	12.33	12.483	12.758	0.18087	12.146	12.489	12.707	0.17615	-0.1941	0.00657	0.2403	0.11845

Device Test: 5.46; DLY_TMR_500KOHM





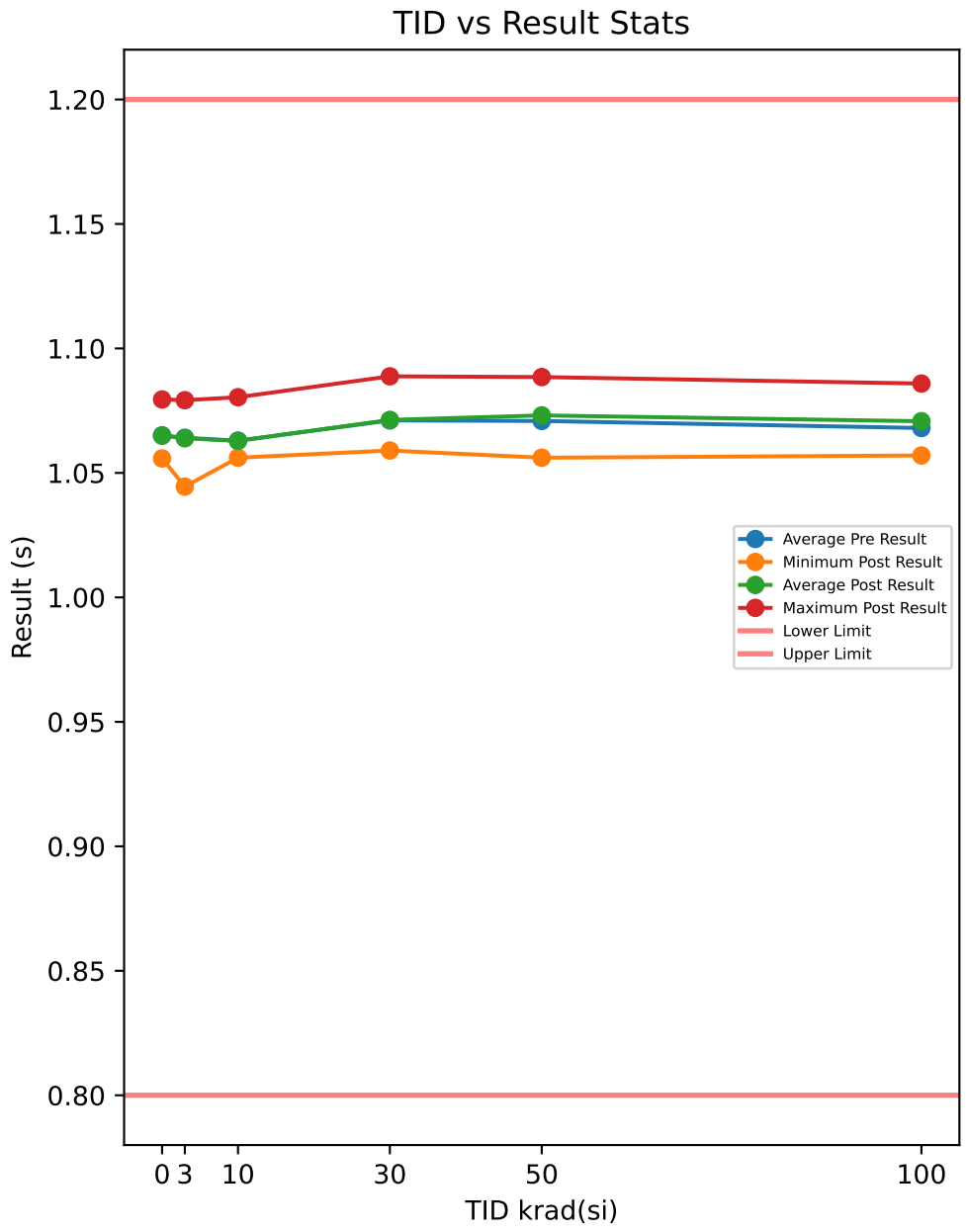
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.262	12.214	-0.0477
2	3	Biased	12.501	12.465	-0.0357
3	3	Biased	12.535	12.511	-0.0234
4	3	Biased	12.508	12.486	-0.0218
5	3	Biased	12.342	12.305	-0.0366
6	3	Unbiased	12.426	12.41	-0.016
7	3	Unbiased	12.568	12.594	0.0264
8	3	Unbiased	12.518	12.523	0.0052
9	3	Unbiased	12.508	12.5	-0.008
10	3	Unbiased	12.389	12.379	-0.0098
11	10	Biased	12.362	12.444	0.0821
12	10	Biased	12.524	12.462	-0.0618
13	10	Biased	12.417	12.415	-0.0025
14	10	Biased	12.521	12.525	0.0032
15	10	Biased	12.424	12.398	-0.026
16	10	Unbiased	12.582	12.577	-0.0054
17	10	Unbiased	12.644	12.63	-0.0139
18	10	Unbiased	12.359	12.386	0.0266
19	10	Unbiased	12.496	12.6	0.1035
20	10	Unbiased	12.529	12.454	-0.0754
21	30	Biased	12.544	12.651	0.1067
22	30	Biased	12.535	12.462	-0.073
23	30	Biased	12.727	12.754	0.0267
24	30	Biased	12.274	12.274	0.0001
25	30	Biased	12.485	12.486	0.0018
26	30	Unbiased	12.552	12.544	-0.0074
27	30	Unbiased	12.452	12.498	0.0462
28	30	Unbiased	12.538	12.558	0.0194
29	30	Unbiased	12.471	12.532	0.0607
30	30	Unbiased	12.598	12.691	0.0936
31	50	Biased	12.63	12.609	-0.0207
32	50	Biased	12.315	12.28	-0.0348
33	50	Biased	12.612	12.631	0.0191
34	50	Biased	12.798	12.86	0.0613
35	50	Biased	12.558	12.53	-0.0279
36	50	Unbiased	12.468	12.477	0.0097
37	50	Unbiased	12.265	12.236	-0.0293
38	50	Unbiased	12.733	12.715	-0.0178
39	50	Unbiased	12.677	12.7	0.0234
40	50	Unbiased	12.679	12.741	0.0616
41	100	Biased	12.408	12.538	0.1293
42	100	Biased	12.384	12.391	0.0071
43	100	Biased	12.43	12.521	0.0904
44	100	Biased	12.58	12.563	-0.0166
45	100	Biased	12.297	12.141	-0.1558
46	100	Unbiased	12.708	12.622	-0.0862
47	100	Unbiased	12.569	12.608	0.0388
48	100	Unbiased	12.287	12.437	0.1509
49	100	Unbiased	12.692	12.631	-0.0607
50	100	Unbiased	12.318	12.477	0.1594
51	0	Correlation	12.641	12.645	0.0042
53	0	Correlation	12.555	12.558	0.0027
54	0	Correlation	12.496	12.5	0.0038
55	0	Correlation	12.509	12.51	0.0005
56	0	Correlation	12.555	12.459	-0.0962

Test Statistics (ms)

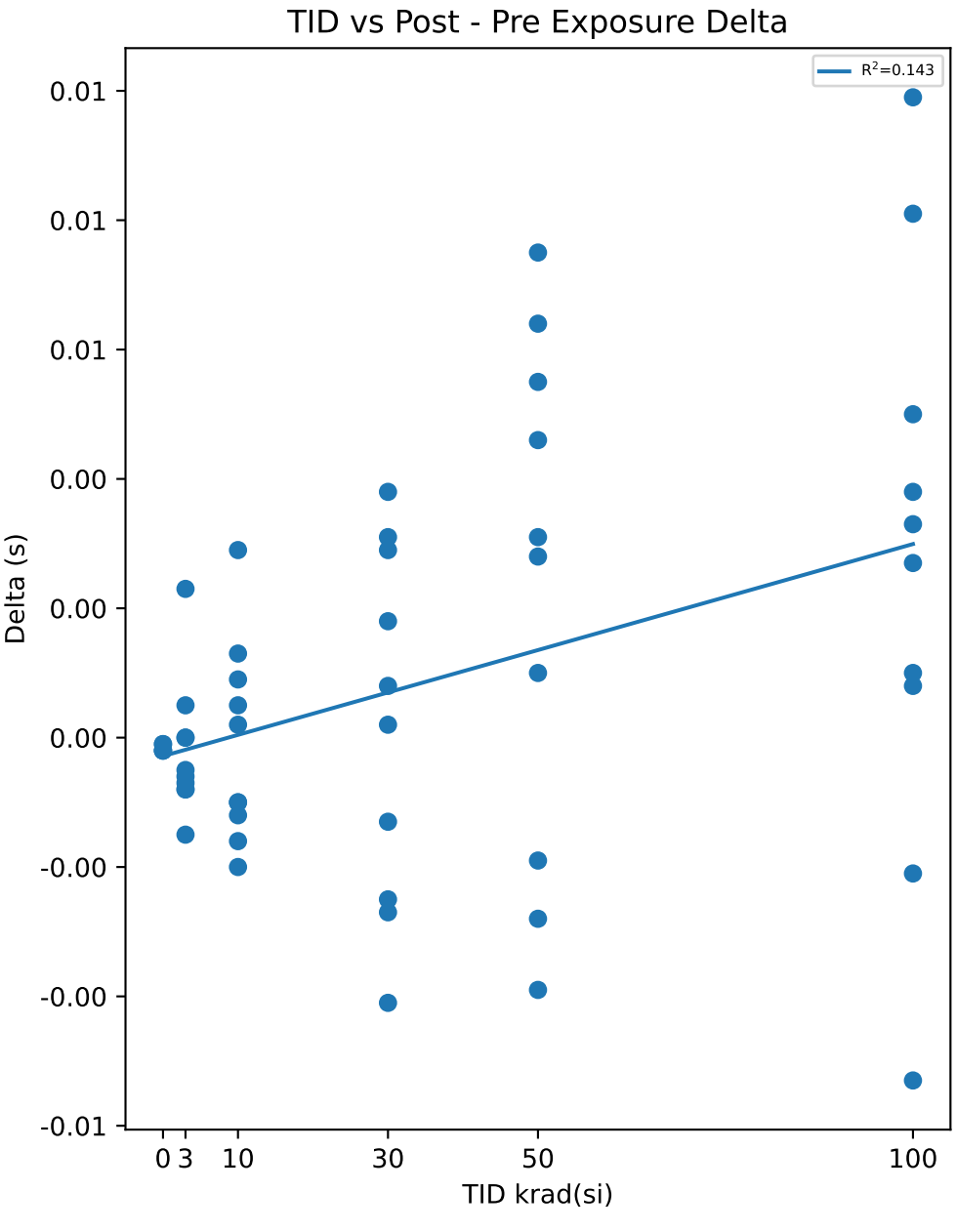
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.496	12.551	12.641	0.056814	12.459	12.534	12.645	0.071422	-0.0962	-0.017	0.0042	0.044297
3	12.262	12.456	12.568	0.097739	12.214	12.439	12.594	0.11342	-0.0477	-0.01674	0.0264	0.02173
10	12.359	12.486	12.644	0.093638	12.386	12.489	12.63	0.087906	-0.0754	0.00304	0.1035	0.05626
30	12.274	12.517	12.727	0.11528	12.274	12.545	12.754	0.13424	-0.073	0.02748	0.1067	0.052588
50	12.265	12.573	12.798	0.17515	12.236	12.578	12.86	0.20051	-0.0348	0.00446	0.0616	0.036443
100	12.287	12.467	12.708	0.15897	12.141	12.493	12.631	0.14693	-0.1558	0.02566	0.1594	0.10734

Device Test: 5.47; WD_TMR_500KOHM



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

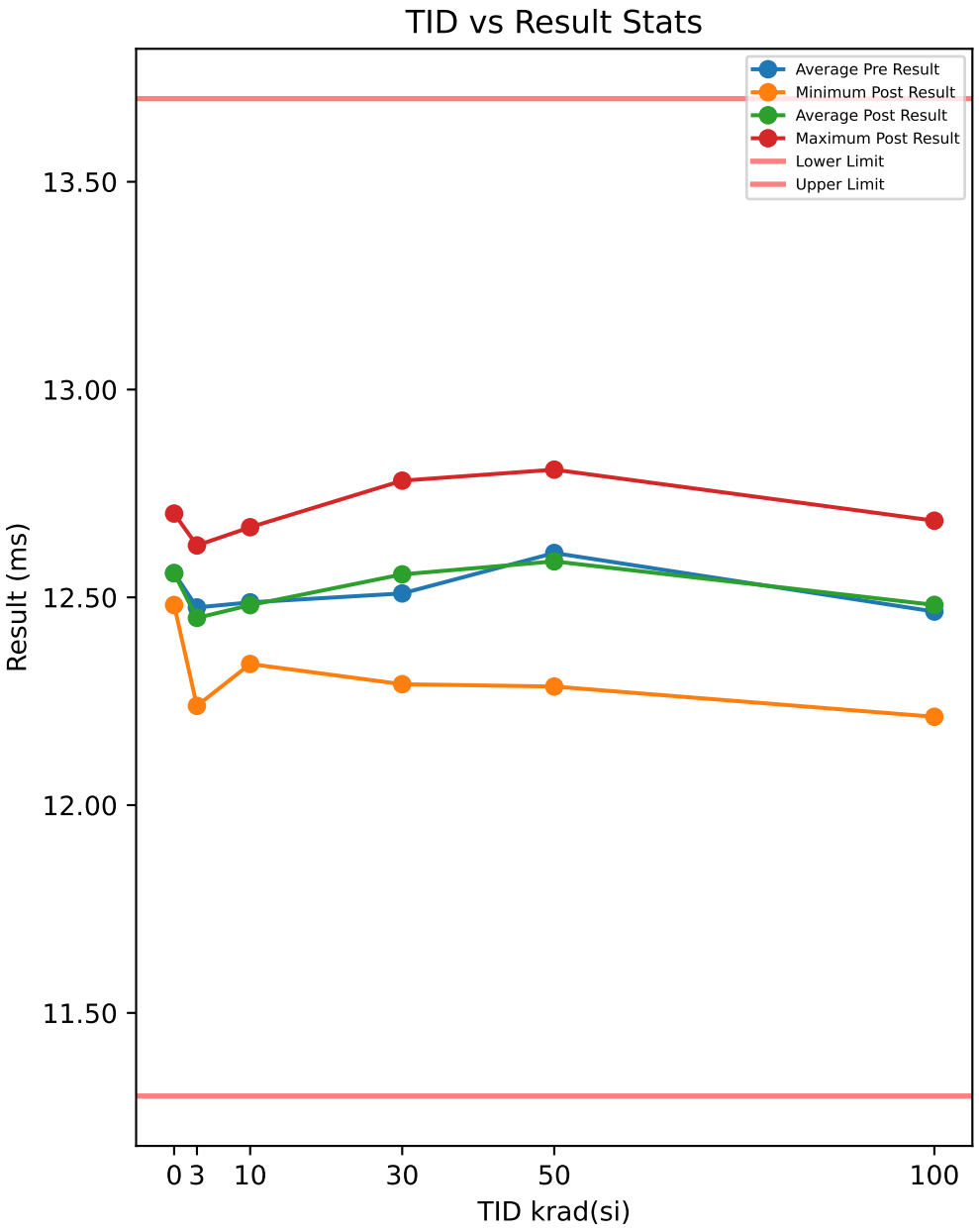
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.0662	1.0657	-0.0005
2	3	Biased	1.0453	1.0445	-0.0008
3	3	Biased	1.0551	1.0551	0
4	3	Biased	1.08	1.0792	-0.0008
5	3	Biased	1.0589	1.0583	-0.0006
6	3	Unbiased	1.0746	1.0751	0.0005
7	3	Unbiased	1.065	1.0635	-0.0015
8	3	Unbiased	1.0473	1.0466	-0.0007
9	3	Unbiased	1.0741	1.0741	0
10	3	Unbiased	1.0747	1.077	0.0023
11	10	Biased	1.0593	1.0573	-0.002
12	10	Biased	1.0662	1.0652	-0.001
13	10	Biased	1.0802	1.0804	0.0002
14	10	Biased	1.0574	1.0562	-0.0012
15	10	Biased	1.0582	1.0572	-0.001
16	10	Unbiased	1.0647	1.0656	0.0009
17	10	Unbiased	1.0532	1.0561	0.0029
18	10	Unbiased	1.0695	1.0679	-0.0016
19	10	Unbiased	1.0622	1.0635	0.0013
20	10	Unbiased	1.0587	1.0592	0.0005
21	30	Biased	1.0621	1.0596	-0.0025
22	30	Biased	1.0848	1.0807	-0.0041
23	30	Biased	1.0802	1.0833	0.0031
24	30	Biased	1.0668	1.0697	0.0029
25	30	Biased	1.0738	1.0711	-0.0027
26	30	Unbiased	1.0572	1.059	0.0018
27	30	Unbiased	1.0646	1.0633	-0.0013
28	30	Unbiased	1.0653	1.0655	0.0002
29	30	Unbiased	1.085	1.0888	0.0038
30	30	Unbiased	1.0711	1.0719	0.0008
31	50	Biased	1.0749	1.0759	0.001
32	50	Biased	1.0719	1.0747	0.0028
33	50	Biased	1.0773	1.0804	0.0031
34	50	Biased	1.0678	1.0659	-0.0019
35	50	Biased	1.0821	1.0885	0.0064
36	50	Unbiased	1.06	1.0561	-0.0039
37	50	Unbiased	1.0787	1.0833	0.0046
38	50	Unbiased	1.068	1.0652	-0.0028
39	50	Unbiased	1.0669	1.0744	0.0075
40	50	Unbiased	1.0611	1.0666	0.0055
41	100	Biased	1.0729	1.0737	0.0008
42	100	Biased	1.0733	1.076	0.0027
43	100	Biased	1.0586	1.0619	0.0033
44	100	Biased	1.0591	1.069	0.0099
45	100	Biased	1.0676	1.0726	0.005
46	100	Unbiased	1.0616	1.0626	0.001
47	100	Unbiased	1.0532	1.057	0.0038
48	100	Unbiased	1.0769	1.0716	-0.0053
49	100	Unbiased	1.088	1.0859	-0.0021
50	100	Unbiased	1.0692	1.0773	0.0081
51	0	Correlation	1.0679	1.0678	-0.0001
53	0	Correlation	1.0579	1.0578	-0.0001
54	0	Correlation	1.064	1.0638	-0.0002
55	0	Correlation	1.056	1.0558	-0.0002
56	0	Correlation	1.0797	1.0795	-0.0002

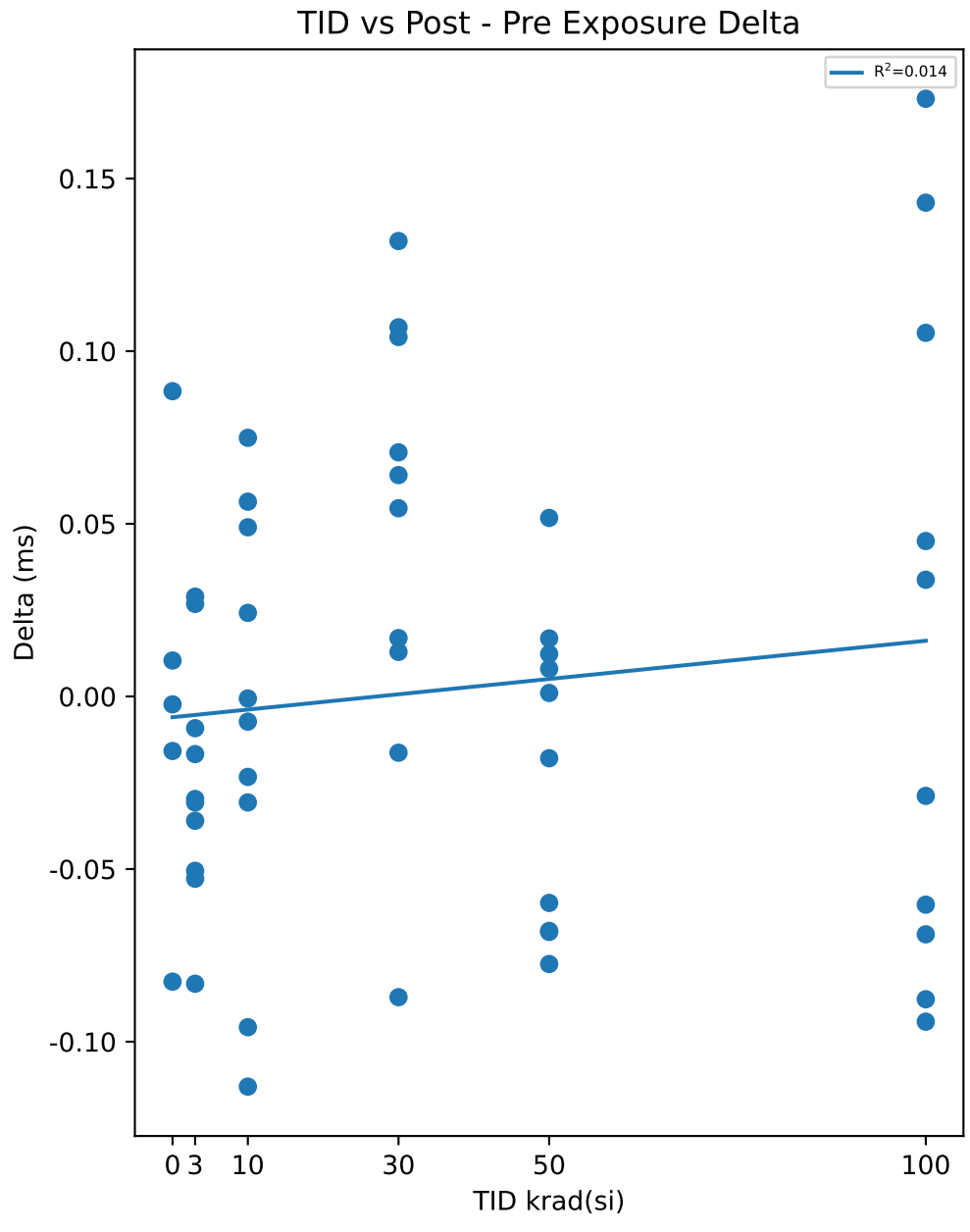


Test Statistics (s)

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	1.056	1.0651	1.0797	0.0094454	1.0558	1.0649	1.0795	0.0094339	-0.0002	-0.00016	-0.0001	5.4772e-05
3	1.0453	1.0641	1.08	0.012131	1.0445	1.0639	1.0792	0.012574	-0.0015	-0.00021	0.0023	0.0010397
10	1.0532	1.063	1.0802	0.0077062	1.0561	1.0629	1.0804	0.0075487	-0.002	-0.0001	0.0029	0.0015312
30	1.0572	1.0711	1.085	0.0096586	1.059	1.0713	1.0888	0.010151	-0.0041	0.0002	0.0038	0.0027491
50	1.06	1.0709	1.0821	0.007402	1.0561	1.0731	1.0885	0.0097301	-0.0039	0.00223	0.0075	0.004
100	1.0532	1.068	1.088	0.01033	1.057	1.0708	1.0859	0.0084964	-0.0053	0.00272	0.0099	0.0044894

Device Test: 5.48; DLY_TMR_500KOHM





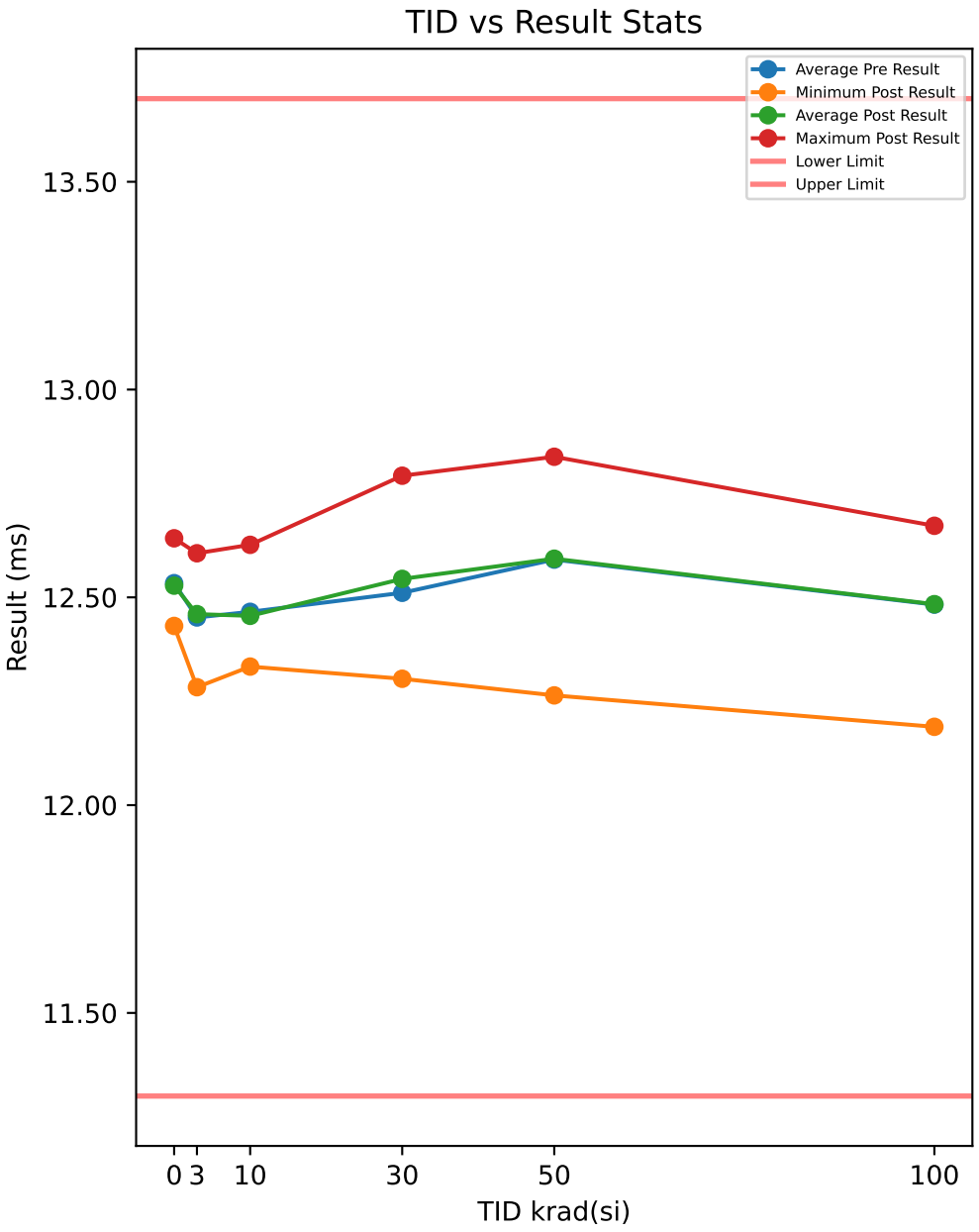
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

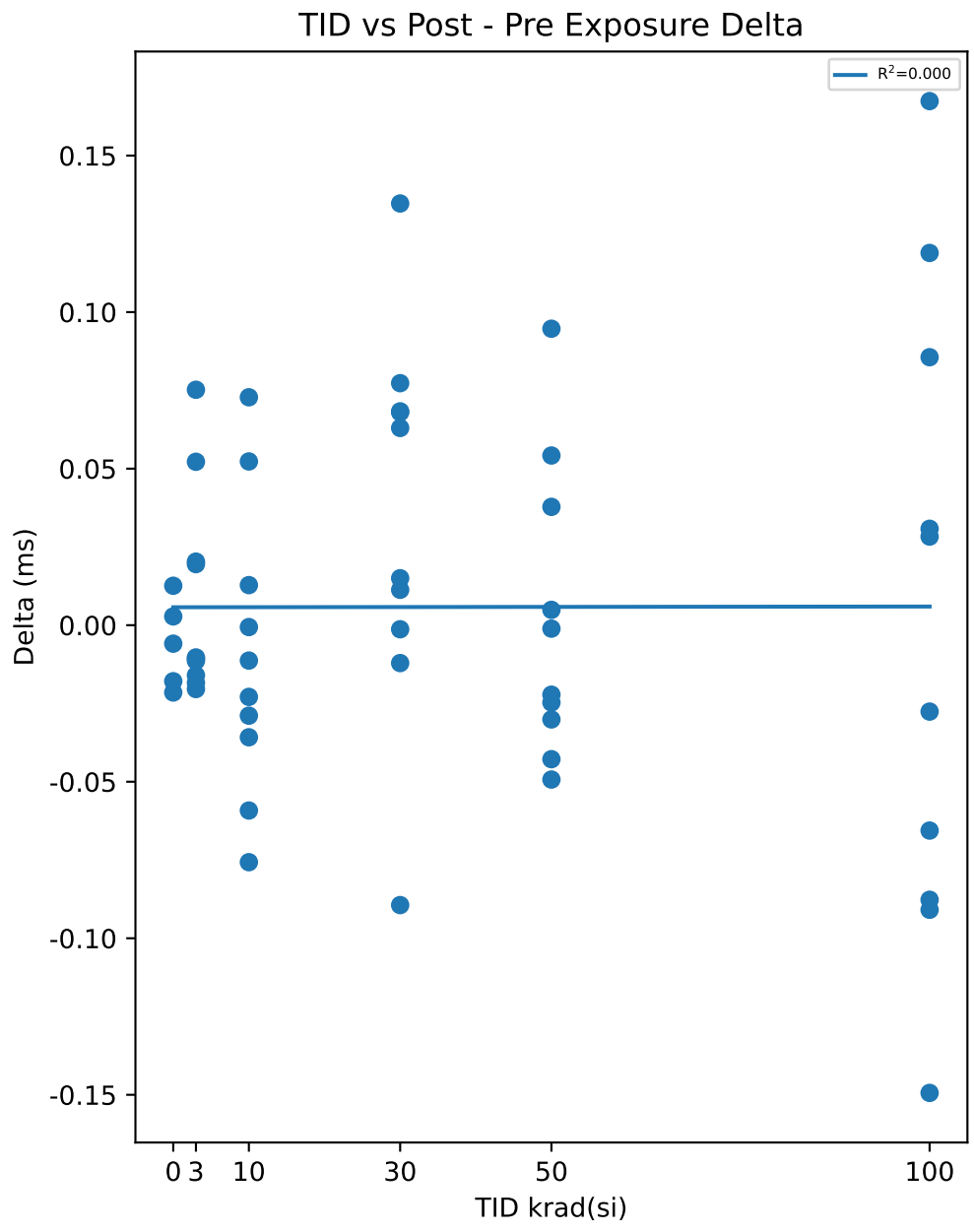
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.292	12.239	-0.0528
2	3	Biased	12.489	12.406	-0.0832
3	3	Biased	12.588	12.578	-0.0092
4	3	Biased	12.531	12.501	-0.0307
5	3	Biased	12.352	12.302	-0.0505
6	3	Unbiased	12.441	12.411	-0.0297
7	3	Unbiased	12.642	12.625	-0.0167
8	3	Unbiased	12.528	12.555	0.0268
9	3	Unbiased	12.514	12.543	0.0289
10	3	Unbiased	12.381	12.345	-0.036
11	10	Biased	12.374	12.423	0.049
12	10	Biased	12.533	12.525	-0.0073
13	10	Biased	12.366	12.365	-0.0006
14	10	Biased	12.55	12.527	-0.0233
15	10	Biased	12.37	12.34	-0.0307
16	10	Unbiased	12.658	12.562	-0.0958
17	10	Unbiased	12.645	12.669	0.0242
18	10	Unbiased	12.334	12.408	0.0749
19	10	Unbiased	12.548	12.604	0.0564
20	10	Unbiased	12.502	12.389	-0.113
21	30	Biased	12.555	12.687	0.1319
22	30	Biased	12.459	12.476	0.0169
23	30	Biased	12.674	12.781	0.1069
24	30	Biased	12.278	12.291	0.0129
25	30	Biased	12.424	12.478	0.0545
26	30	Unbiased	12.562	12.475	-0.0871
27	30	Unbiased	12.445	12.516	0.0707
28	30	Unbiased	12.526	12.59	0.0641
29	30	Unbiased	12.534	12.517	-0.0163
30	30	Unbiased	12.638	12.742	0.1041
31	50	Biased	12.678	12.61	-0.0682
32	50	Biased	12.312	12.32	0.008
33	50	Biased	12.672	12.594	-0.0775
34	50	Biased	12.756	12.807	0.0517
35	50	Biased	12.636	12.576	-0.0598
36	50	Unbiased	12.545	12.477	-0.0679
37	50	Unbiased	12.303	12.285	-0.0179
38	50	Unbiased	12.718	12.719	0.001
39	50	Unbiased	12.716	12.733	0.0168
40	50	Unbiased	12.731	12.743	0.0123
41	100	Biased	12.384	12.527	0.143
42	100	Biased	12.355	12.326	-0.0288
43	100	Biased	12.395	12.428	0.0338
44	100	Biased	12.59	12.521	-0.0689
45	100	Biased	12.3	12.213	-0.0877
46	100	Unbiased	12.734	12.64	-0.0942
47	100	Unbiased	12.556	12.661	0.1053
48	100	Unbiased	12.253	12.427	0.1731
49	100	Unbiased	12.745	12.684	-0.0603
50	100	Unbiased	12.346	12.391	0.045
51	0	Correlation	12.613	12.702	0.0884
53	0	Correlation	12.632	12.549	-0.0826
54	0	Correlation	12.497	12.482	-0.0158
55	0	Correlation	12.521	12.531	0.0104
56	0	Correlation	12.528	12.526	-0.0023

Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.497	12.558	12.632	0.060051	12.482	12.558	12.702	0.084094	-0.0826	-0.00038	0.0884	0.061237
3	12.292	12.476	12.642	0.10892	12.239	12.45	12.625	0.12923	-0.0832	-0.02531	0.0289	0.034788
10	12.334	12.488	12.658	0.11955	12.34	12.481	12.669	0.11127	-0.113	-0.00662	0.0749	0.062205
30	12.278	12.509	12.674	0.11387	12.291	12.555	12.781	0.14745	-0.0871	0.04586	0.1319	0.065838
50	12.303	12.607	12.756	0.16816	12.285	12.587	12.807	0.17836	-0.0775	-0.02015	0.0517	0.045062
100	12.253	12.466	12.745	0.17764	12.213	12.482	12.684	0.15366	-0.0942	0.01603	0.1731	0.098813

Device Test: 5.49; DLY_TMR_500KOHM





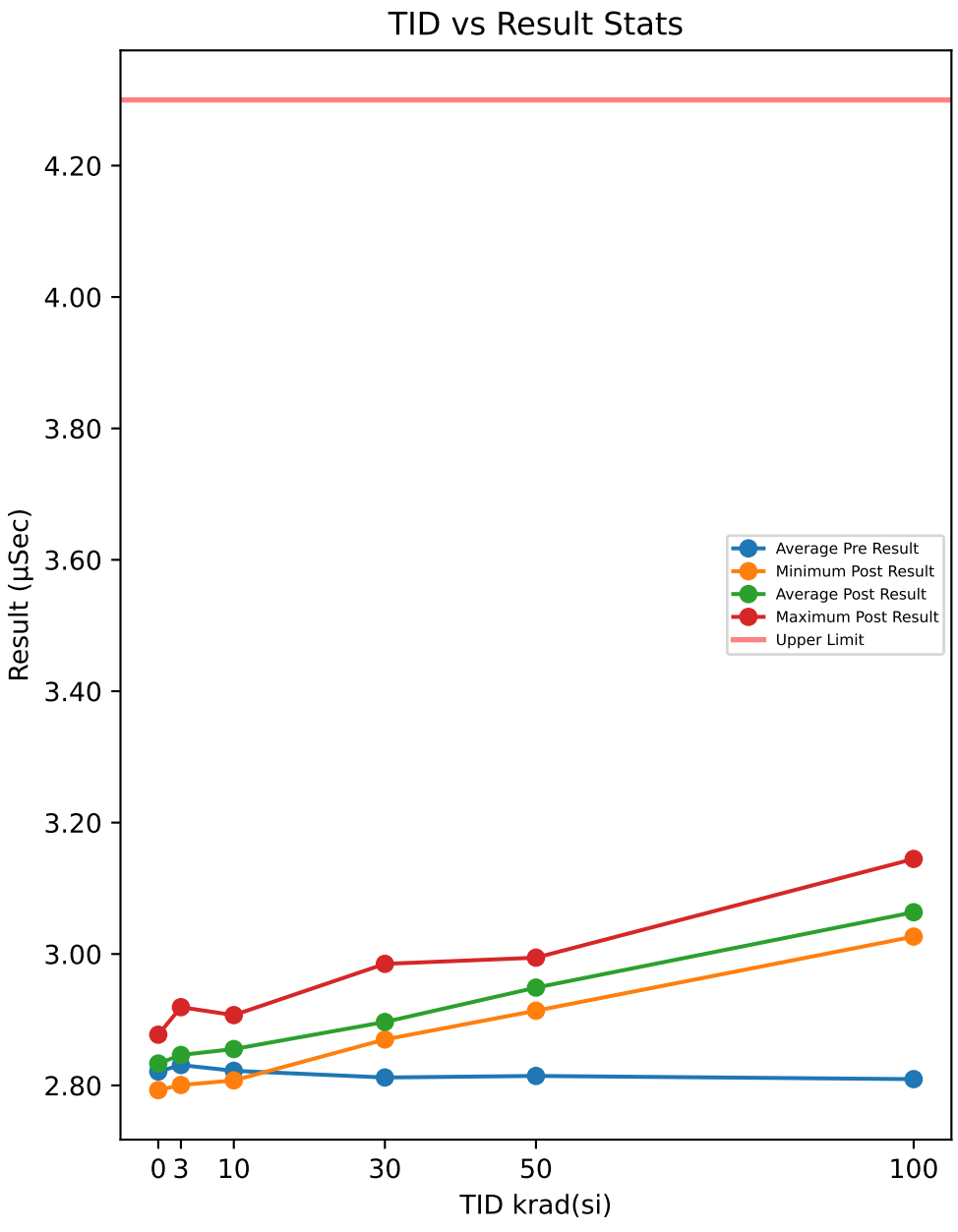
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

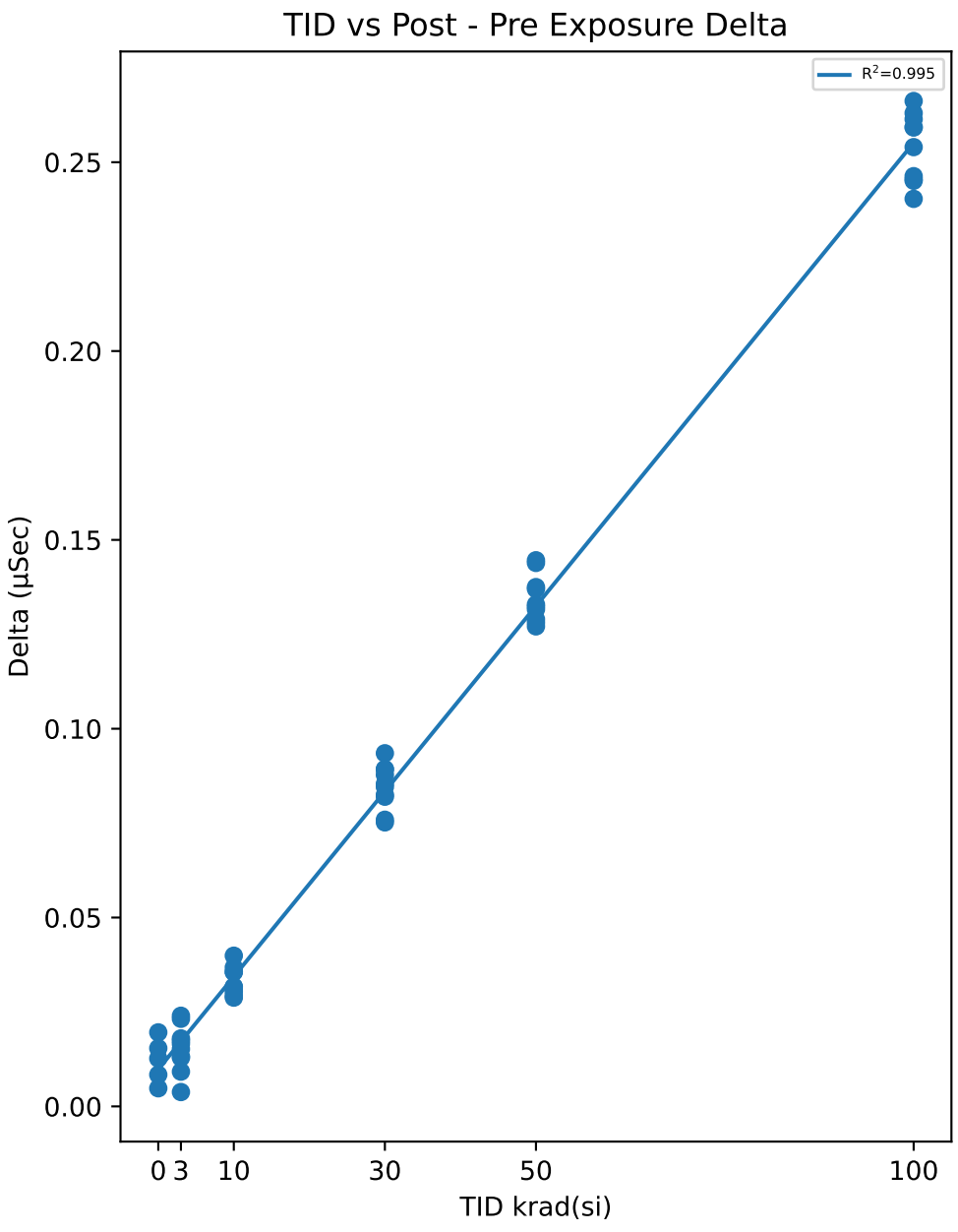
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.295	12.284	-0.0114
2	3	Biased	12.434	12.486	0.0522
3	3	Biased	12.556	12.536	-0.0204
4	3	Biased	12.531	12.513	-0.0184
5	3	Biased	12.38	12.369	-0.0107
6	3	Unbiased	12.362	12.437	0.0752
7	3	Unbiased	12.587	12.606	0.0195
8	3	Unbiased	12.538	12.522	-0.016
9	3	Unbiased	12.506	12.526	0.0203
10	3	Unbiased	12.328	12.317	-0.0103
11	10	Biased	12.303	12.376	0.0728
12	10	Biased	12.546	12.487	-0.0592
13	10	Biased	12.351	12.35	-0.0006
14	10	Biased	12.547	12.56	0.0128
15	10	Biased	12.356	12.333	-0.0229
16	10	Unbiased	12.605	12.576	-0.0289
17	10	Unbiased	12.662	12.626	-0.0358
18	10	Unbiased	12.3	12.353	0.0523
19	10	Unbiased	12.522	12.511	-0.0113
20	10	Unbiased	12.459	12.384	-0.0757
21	30	Biased	12.567	12.63	0.063
22	30	Biased	12.464	12.476	0.0113
23	30	Biased	12.725	12.793	0.068
24	30	Biased	12.316	12.304	-0.0121
25	30	Biased	12.418	12.417	-0.0013
26	30	Unbiased	12.574	12.485	-0.0894
27	30	Unbiased	12.387	12.522	0.1347
28	30	Unbiased	12.559	12.574	0.015
29	30	Unbiased	12.481	12.549	0.0683
30	30	Unbiased	12.617	12.694	0.0773
31	50	Biased	12.676	12.627	-0.0493
32	50	Biased	12.352	12.322	-0.0301
33	50	Biased	12.627	12.626	-0.0011
34	50	Biased	12.744	12.838	0.0947
35	50	Biased	12.579	12.556	-0.0222
36	50	Unbiased	12.495	12.5	0.0049
37	50	Unbiased	12.307	12.264	-0.0428
38	50	Unbiased	12.744	12.719	-0.0247
39	50	Unbiased	12.691	12.729	0.0378
40	50	Unbiased	12.694	12.748	0.0542
41	100	Biased	12.395	12.562	0.1674
42	100	Biased	12.419	12.328	-0.0909
43	100	Biased	12.364	12.449	0.0856
44	100	Biased	12.6	12.512	-0.0877
45	100	Biased	12.338	12.188	-0.1494
46	100	Unbiased	12.721	12.656	-0.0656
47	100	Unbiased	12.595	12.623	0.0283
48	100	Unbiased	12.326	12.445	0.1189
49	100	Unbiased	12.7	12.672	-0.0276
50	100	Unbiased	12.369	12.4	0.0308
51	0	Correlation	12.66	12.642	-0.0179
53	0	Correlation	12.578	12.572	-0.0059
54	0	Correlation	12.428	12.431	0.0028
55	0	Correlation	12.533	12.511	-0.0215
56	0	Correlation	12.471	12.484	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	12.428	12.534	12.66	0.090719	12.431	12.528	12.642	0.081539	-0.0215	-0.00598	0.0126	0.014189
3	12.295	12.452	12.587	0.10511	12.284	12.46	12.606	0.10493	-0.0204	0.008	0.0752	0.033155
10	12.3	12.465	12.662	0.1305	12.333	12.456	12.626	0.10889	-0.0757	-0.00965	0.0728	0.046275
30	12.316	12.511	12.725	0.12074	12.304	12.544	12.793	0.13943	-0.0894	0.03348	0.1347	0.062058
50	12.307	12.591	12.744	0.15741	12.264	12.593	12.838	0.18635	-0.0493	0.00214	0.0947	0.046649
100	12.326	12.483	12.721	0.15443	12.188	12.484	12.672	0.15363	-0.1494	0.00098	0.1674	0.10251

Device Test: 5.5; PROPD_RESET





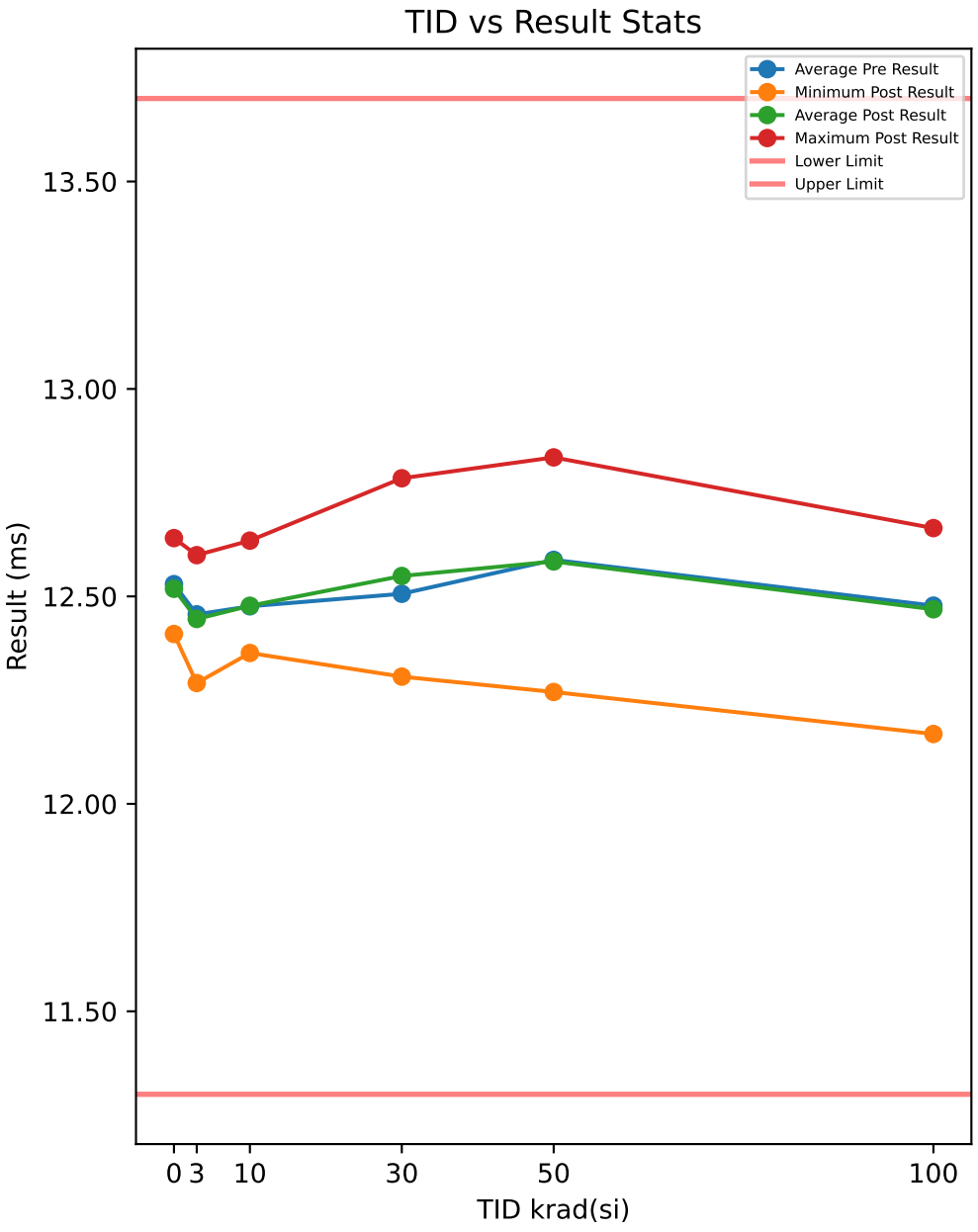
Test Results (Upper Limit = 4.3 (µSec))

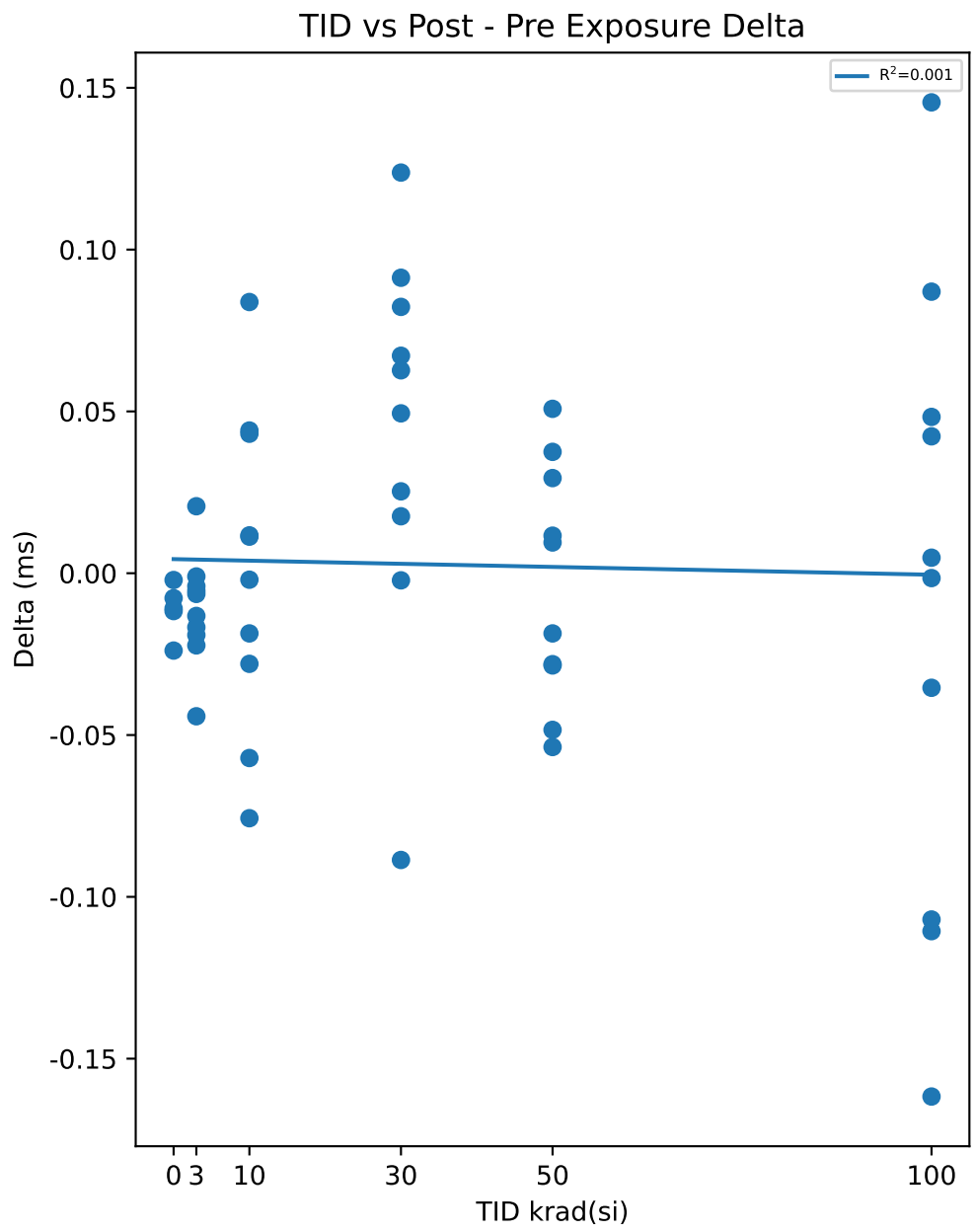
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.9003	2.9135	0.0132
2	3	Biased	2.9011	2.9191	0.018
3	3	Biased	2.8499	2.8665	0.0166
4	3	Biased	2.7924	2.8098	0.0174
5	3	Biased	2.8319	2.8471	0.0152
6	3	Unbiased	2.8035	2.8164	0.0129
7	3	Unbiased	2.7968	2.8006	0.0038
8	3	Unbiased	2.8295	2.8527	0.0232
9	3	Unbiased	2.8025	2.8117	0.0092
10	3	Unbiased	2.8019	2.8259	0.024
11	10	Biased	2.7781	2.8097	0.0316
12	10	Biased	2.8588	2.8944	0.0356
13	10	Biased	2.7783	2.8076	0.0293
14	10	Biased	2.7781	2.8149	0.0368
15	10	Biased	2.8491	2.8795	0.0304
16	10	Unbiased	2.7991	2.839	0.0399
17	10	Unbiased	2.8759	2.907	0.0311
18	10	Unbiased	2.8641	2.8958	0.0317
19	10	Unbiased	2.8103	2.8459	0.0356
20	10	Unbiased	2.8308	2.8596	0.0288
21	30	Biased	2.7975	2.88	0.0825
22	30	Biased	2.7845	2.8699	0.0854
23	30	Biased	2.8915	2.985	0.0935
24	30	Biased	2.7919	2.8812	0.0893
25	30	Biased	2.7952	2.8711	0.0759
26	30	Unbiased	2.8258	2.9078	0.082
27	30	Unbiased	2.8133	2.8885	0.0752
28	30	Unbiased	2.8315	2.9161	0.0846
29	30	Unbiased	2.7947	2.8825	0.0878
30	30	Unbiased	2.7944	2.8836	0.0892
31	50	Biased	2.7885	2.9156	0.1271
32	50	Biased	2.7857	2.9138	0.1281
33	50	Biased	2.8036	2.9475	0.1439
34	50	Biased	2.8138	2.9584	0.1446
35	50	Biased	2.8654	2.9944	0.129
36	50	Unbiased	2.8579	2.9902	0.1323
37	50	Unbiased	2.8503	2.9878	0.1375
38	50	Unbiased	2.8037	2.9353	0.1316
39	50	Unbiased	2.7986	2.9315	0.1329
40	50	Unbiased	2.7767	2.9137	0.137
41	100	Biased	2.9044	3.1447	0.2403
42	100	Biased	2.8053	3.0645	0.2592
43	100	Biased	2.8282	3.0896	0.2614
44	100	Biased	2.7769	3.0399	0.263
45	100	Biased	2.7932	3.0395	0.2463
46	100	Unbiased	2.7996	3.0536	0.254
47	100	Unbiased	2.8185	3.0778	0.2593
48	100	Unbiased	2.7855	3.0306	0.2451
49	100	Unbiased	2.8029	3.0691	0.2662
50	100	Unbiased	2.781	3.0265	0.2455
51	0	Correlation	2.8286	2.844	0.0154
53	0	Correlation	2.8724	2.8772	0.0048
54	0	Correlation	2.7907	2.8103	0.0196
55	0	Correlation	2.8294	2.8421	0.0127
56	0	Correlation	2.7844	2.7928	0.0084

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	2.7844	2.8211	2.8724	0.035454	2.7928	2.8333	2.8772	0.032743	0.0048	0.01218	0.0196	0.0057976
3	2.7924	2.831	2.9011	0.041031	2.8006	2.8463	2.9191	0.042418	0.0038	0.01535	0.024	0.0060654
10	2.7781	2.8223	2.8759	0.038396	2.8076	2.8553	2.907	0.037693	0.0288	0.03308	0.0399	0.0036645
30	2.7845	2.812	2.8915	0.031893	2.8699	2.8966	2.985	0.034367	0.0752	0.08454	0.0935	0.005855
50	2.7767	2.8144	2.8654	0.031936	2.9137	2.9488	2.9944	0.032402	0.1271	0.1344	0.1446	0.006212
100	2.7769	2.8096	2.9044	0.036987	3.0265	3.0636	3.1447	0.035267	0.2403	0.25403	0.2662	0.0090564

Device Test: 5.50; DLY_TMR_500KOHM





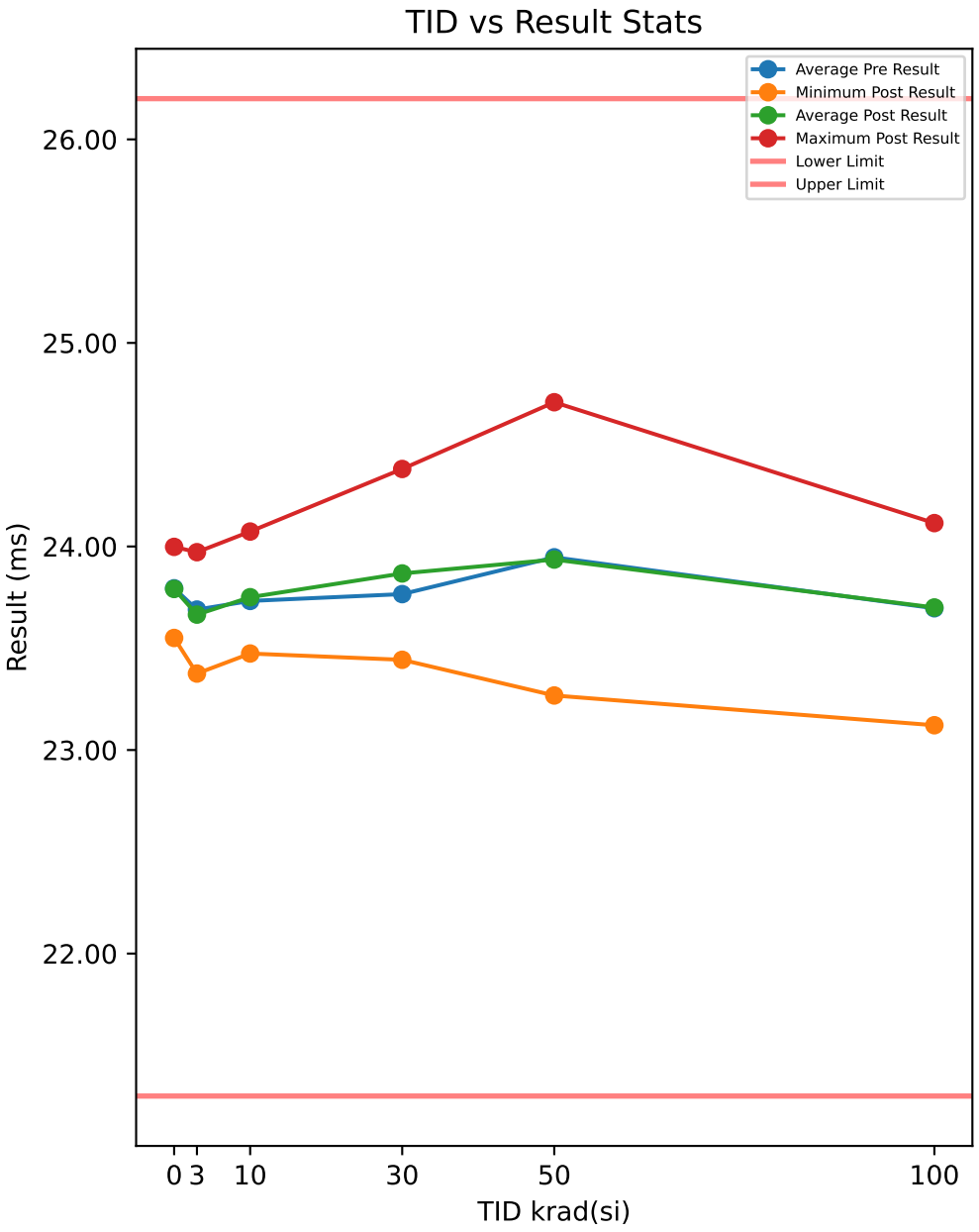
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

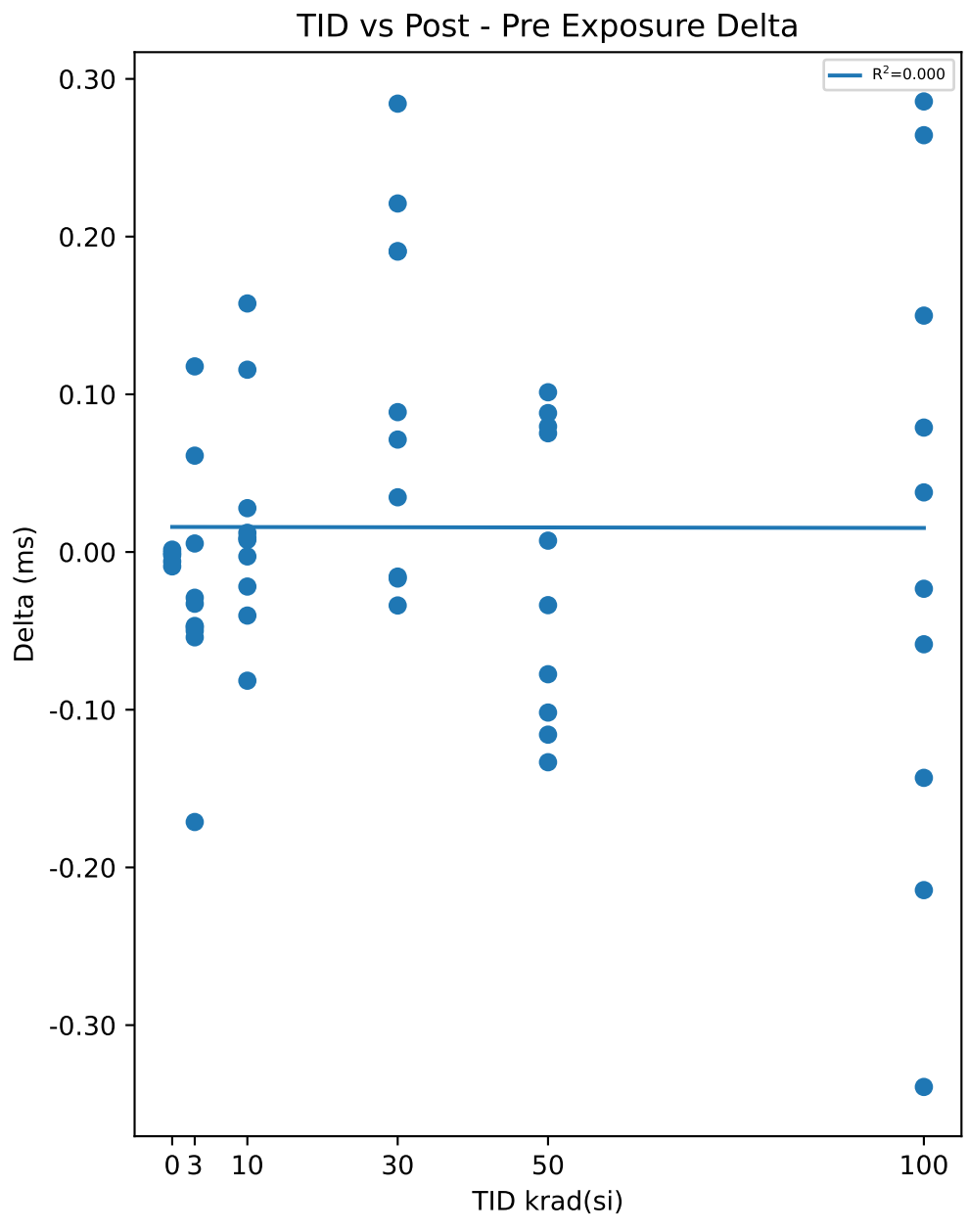
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.297	12.291	-0.0054
2	3	Biased	12.425	12.403	-0.0223
3	3	Biased	12.549	12.505	-0.0442
4	3	Biased	12.524	12.505	-0.0191
5	3	Biased	12.372	12.355	-0.0167
6	3	Unbiased	12.353	12.347	-0.0064
7	3	Unbiased	12.579	12.599	0.0207
8	3	Unbiased	12.532	12.531	-0.001
9	3	Unbiased	12.522	12.518	-0.004
10	3	Unbiased	12.415	12.402	-0.0132
11	10	Biased	12.392	12.364	-0.028
12	10	Biased	12.537	12.48	-0.0571
13	10	Biased	12.345	12.429	0.0838
14	10	Biased	12.538	12.55	0.0117
15	10	Biased	12.349	12.392	0.0431
16	10	Unbiased	12.594	12.592	-0.002
17	10	Unbiased	12.653	12.634	-0.0186
18	10	Unbiased	12.386	12.43	0.0441
19	10	Unbiased	12.514	12.525	0.0113
20	10	Unbiased	12.454	12.378	-0.0757
21	30	Biased	12.561	12.643	0.0823
22	30	Biased	12.456	12.482	0.0253
23	30	Biased	12.735	12.785	0.0494
24	30	Biased	12.309	12.307	-0.0022
25	30	Biased	12.41	12.478	0.0672
26	30	Unbiased	12.567	12.478	-0.0886
27	30	Unbiased	12.38	12.504	0.1238
28	30	Unbiased	12.552	12.569	0.0176
29	30	Unbiased	12.482	12.545	0.0627
30	30	Unbiased	12.612	12.703	0.0913
31	50	Biased	12.668	12.614	-0.0537
32	50	Biased	12.342	12.314	-0.0285
33	50	Biased	12.623	12.634	0.0116
34	50	Biased	12.784	12.835	0.0508
35	50	Biased	12.571	12.522	-0.0484
36	50	Unbiased	12.487	12.496	0.0095
37	50	Unbiased	12.298	12.27	-0.0281
38	50	Unbiased	12.738	12.719	-0.0186
39	50	Unbiased	12.683	12.721	0.0375
40	50	Unbiased	12.687	12.717	0.0294
41	100	Biased	12.408	12.553	0.1455
42	100	Biased	12.417	12.415	-0.0015
43	100	Biased	12.355	12.442	0.087
44	100	Biased	12.59	12.483	-0.107
45	100	Biased	12.33	12.168	-0.1617
46	100	Unbiased	12.713	12.602	-0.1106
47	100	Unbiased	12.588	12.593	0.0048
48	100	Unbiased	12.314	12.363	0.0483
49	100	Unbiased	12.7	12.665	-0.0354
50	100	Unbiased	12.361	12.404	0.0423
51	0	Correlation	12.652	12.64	-0.0117
53	0	Correlation	12.572	12.57	-0.0021
54	0	Correlation	12.42	12.409	-0.0109
55	0	Correlation	12.525	12.501	-0.0239
56	0	Correlation	12.479	12.471	-0.0077

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	12.42	12.53	12.652	0.088574	12.409	12.518	12.64	0.089415	-0.0239	-0.01126	-0.0021	0.0080105
3	12.297	12.457	12.579	0.096685	12.291	12.446	12.599	0.099279	-0.0442	-0.01116	0.0207	0.016796
10	12.345	12.476	12.653	0.10709	12.364	12.477	12.634	0.094305	-0.0757	0.00126	0.0838	0.048532
30	12.309	12.506	12.735	0.12452	12.307	12.549	12.785	0.13499	-0.0886	0.04288	0.1238	0.059386
50	12.298	12.588	12.784	0.16417	12.27	12.584	12.835	0.18389	-0.0537	-0.00385	0.0508	0.03667
100	12.314	12.478	12.713	0.1547	12.168	12.469	12.665	0.14467	-0.1617	-0.00883	0.1455	0.096141

Device Test: 5.51; DLY_TMR_1MOHM





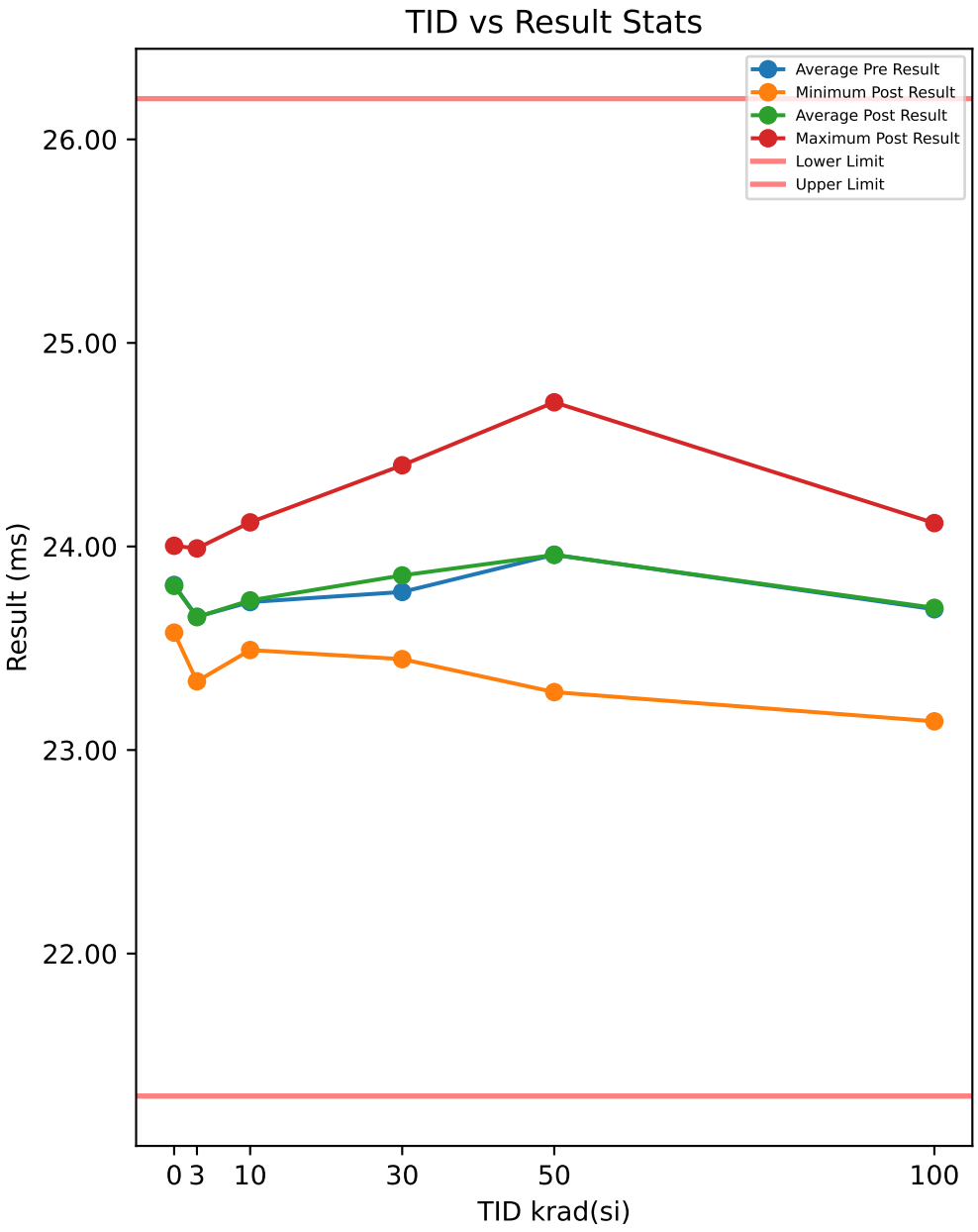
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

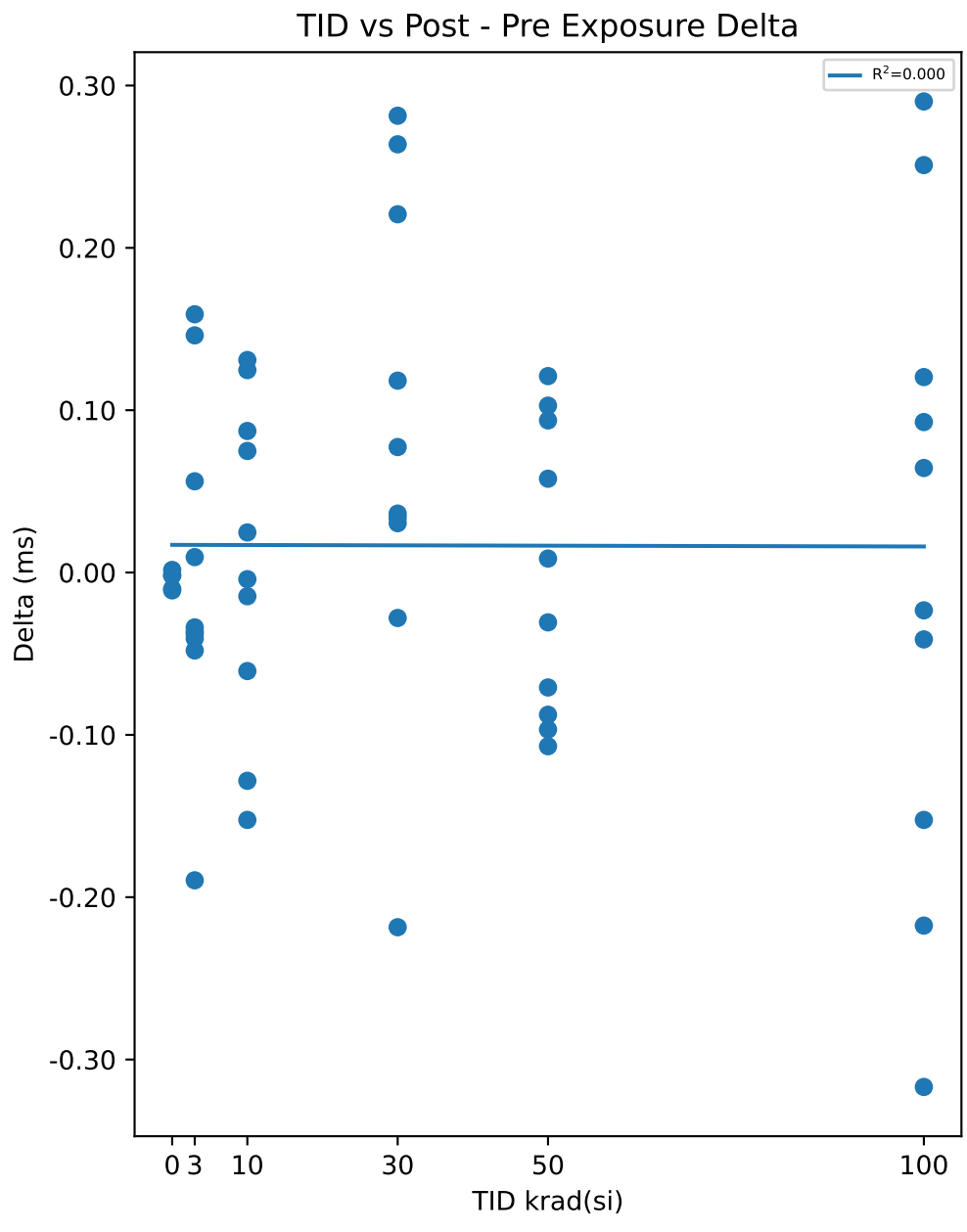
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.52	23.487	-0.0328
2	3	Biased	23.584	23.702	0.1177
3	3	Biased	23.811	23.757	-0.0541
4	3	Biased	23.741	23.694	-0.0469
5	3	Biased	23.556	23.527	-0.029
6	3	Unbiased	23.518	23.468	-0.0499
7	3	Unbiased	23.911	23.972	0.0611
8	3	Unbiased	23.965	23.97	0.0054
9	3	Unbiased	23.87	23.699	-0.1712
10	3	Unbiased	23.423	23.376	-0.0477
11	10	Biased	23.401	23.559	0.1576
12	10	Biased	23.79	23.803	0.0122
13	10	Biased	23.477	23.474	-0.0028
14	10	Biased	23.926	23.934	0.0077
15	10	Biased	23.596	23.514	-0.0816
16	10	Unbiased	24.114	24.073	-0.0403
17	10	Unbiased	24.062	24.04	-0.0219
18	10	Unbiased	23.551	23.666	0.1156
19	10	Unbiased	23.731	23.759	0.0278
20	10	Unbiased	23.676	23.685	0.009
21	30	Biased	23.817	24.008	0.1908
22	30	Biased	23.51	23.701	0.1905
23	30	Biased	24.309	24.381	0.0713
24	30	Biased	23.459	23.443	-0.0156
25	30	Biased	23.789	23.772	-0.0168
26	30	Unbiased	23.834	23.8	-0.0339
27	30	Unbiased	23.592	23.876	0.2843
28	30	Unbiased	23.871	23.906	0.0347
29	30	Unbiased	23.608	23.696	0.0887
30	30	Unbiased	23.871	24.092	0.221
31	50	Biased	23.986	23.852	-0.1333
32	50	Biased	23.384	23.268	-0.1158
33	50	Biased	23.899	23.979	0.0796
34	50	Biased	24.62	24.709	0.0881
35	50	Biased	24.028	23.951	-0.0775
36	50	Unbiased	23.584	23.591	0.0072
37	50	Unbiased	23.51	23.408	-0.1018
38	50	Unbiased	24.151	24.117	-0.0337
39	50	Unbiased	24.094	24.195	0.1013
40	50	Unbiased	24.21	24.286	0.0753
41	100	Biased	23.508	23.772	0.2643
42	100	Biased	23.564	23.506	-0.0585
43	100	Biased	23.505	23.654	0.1499
44	100	Biased	23.902	23.688	-0.2144
45	100	Biased	23.461	23.122	-0.3392
46	100	Unbiased	24.129	23.985	-0.1432
47	100	Unbiased	23.963	24.001	0.0378
48	100	Unbiased	23.289	23.575	0.2857
49	100	Unbiased	24.138	24.115	-0.0233
50	100	Unbiased	23.506	23.585	0.0789
51	0	Correlation	23.999	23.998	-0.0006
53	0	Correlation	23.896	23.894	-0.002
54	0	Correlation	23.745	23.746	0.0015
55	0	Correlation	23.774	23.768	-0.006
56	0	Correlation	23.56	23.55	-0.0091

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	23.56	23.794	23.999	0.16585	23.55	23.791	23.998	0.16868	-0.0091	-0.00324	0.0015	0.00427
3	23.423	23.69	23.965	0.1923	23.376	23.665	23.972	0.20345	-0.1712	-0.02474	0.1177	0.076458
10	23.401	23.732	24.114	0.24145	23.474	23.751	24.073	0.21208	-0.0816	0.01833	0.1576	0.070454
30	23.459	23.766	24.309	0.24501	23.443	23.867	24.381	0.2551	-0.0339	0.1015	0.2843	0.11312
50	23.384	23.947	24.62	0.37064	23.268	23.936	24.709	0.431	-0.1333	-0.01106	0.1013	0.092821
100	23.289	23.696	24.138	0.30598	23.122	23.7	24.115	0.28913	-0.3392	0.0038	0.2857	0.20192

Device Test: 5.52; DLY_TMR_1MOHM





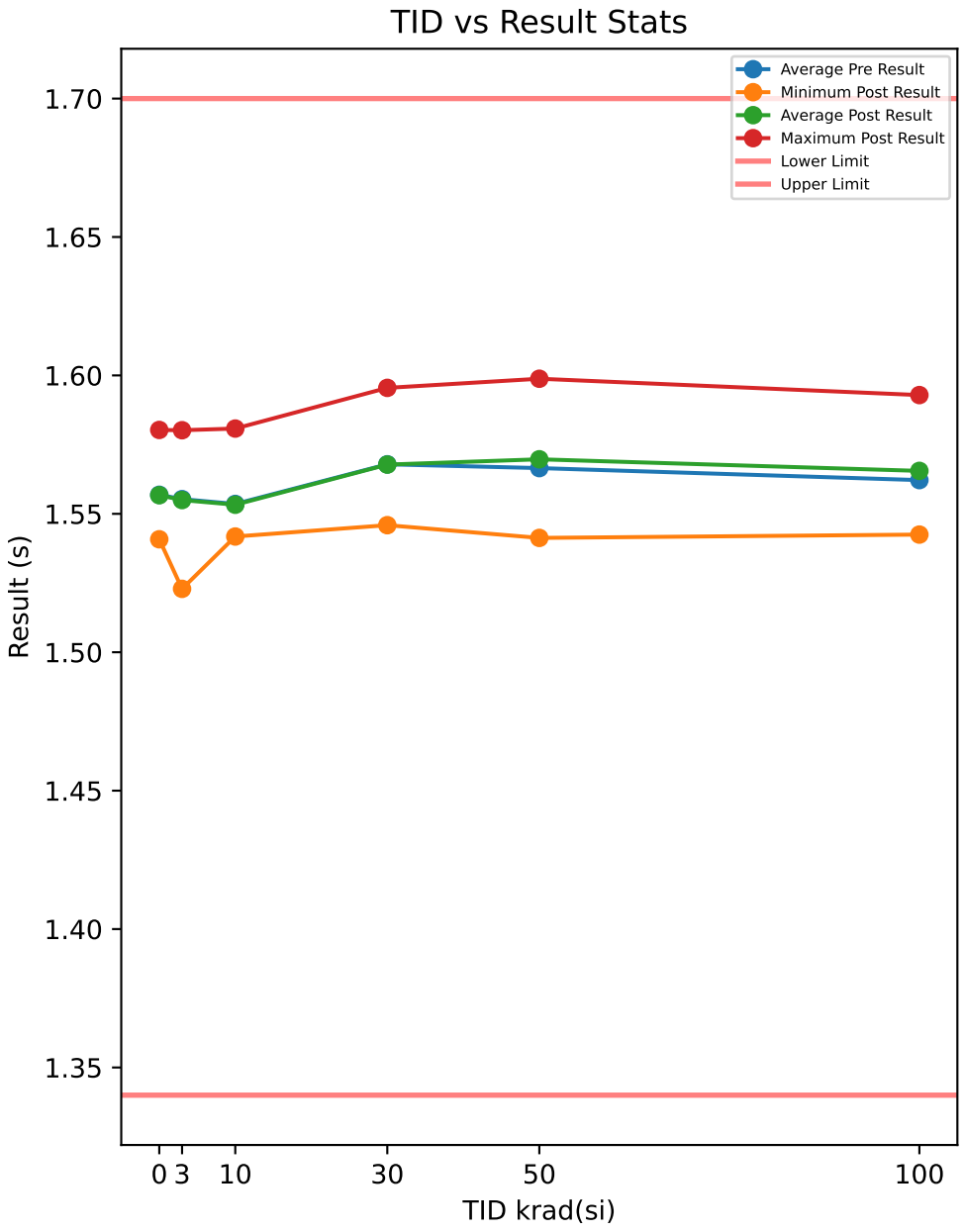
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.527	23.337	-0.1896
2	3	Biased	23.602	23.564	-0.0378
3	3	Biased	23.829	23.788	-0.0406
4	3	Biased	23.759	23.712	-0.048
5	3	Biased	23.392	23.538	0.1461
6	3	Unbiased	23.351	23.511	0.1591
7	3	Unbiased	23.928	23.984	0.0562
8	3	Unbiased	23.981	23.99	0.0095
9	3	Unbiased	23.735	23.701	-0.0338
10	3	Unbiased	23.441	23.405	-0.0363
11	10	Biased	23.42	23.55	0.1309
12	10	Biased	23.785	23.657	-0.1283
13	10	Biased	23.495	23.491	-0.0041
14	10	Biased	23.947	23.972	0.0247
15	10	Biased	23.429	23.516	0.0872
16	10	Unbiased	24.133	24.118	-0.0146
17	10	Unbiased	24.08	24.019	-0.0607
18	10	Unbiased	23.549	23.674	0.1247
19	10	Unbiased	23.723	23.798	0.0749
20	10	Unbiased	23.707	23.555	-0.1524
21	30	Biased	23.809	24.073	0.2638
22	30	Biased	23.53	23.563	0.0337
23	30	Biased	24.322	24.399	0.0773
24	30	Biased	23.474	23.447	-0.028
25	30	Biased	23.767	23.803	0.0363
26	30	Unbiased	23.855	23.637	-0.2185
27	30	Unbiased	23.61	23.891	0.2814
28	30	Unbiased	23.886	23.916	0.0304
29	30	Unbiased	23.621	23.739	0.1182
30	30	Unbiased	23.891	24.112	0.2207
31	50	Biased	24.003	23.896	-0.107
32	50	Biased	23.381	23.284	-0.0967
33	50	Biased	23.941	23.999	0.0578
34	50	Biased	24.615	24.708	0.0937
35	50	Biased	24.049	23.978	-0.0708
36	50	Unbiased	23.6	23.609	0.0086
37	50	Unbiased	23.531	23.444	-0.0876
38	50	Unbiased	24.165	24.134	-0.0307
39	50	Unbiased	24.11	24.212	0.1028
40	50	Unbiased	24.2	24.321	0.121
41	100	Biased	23.524	23.775	0.251
42	100	Biased	23.4	23.52	0.1204
43	100	Biased	23.523	23.5	-0.0233
44	100	Biased	23.921	23.704	-0.2175
45	100	Biased	23.458	23.141	-0.3169
46	100	Unbiased	24.145	23.992	-0.1524
47	100	Unbiased	23.956	24.021	0.0644
48	100	Unbiased	23.307	23.597	0.2902
49	100	Unbiased	24.156	24.115	-0.0412
50	100	Unbiased	23.525	23.618	0.0927
51	0	Correlation	24.013	24.003	-0.01
53	0	Correlation	23.911	23.912	0.0016
54	0	Correlation	23.765	23.754	-0.011
55	0	Correlation	23.787	23.785	-0.0017
56	0	Correlation	23.578	23.577	-0.0018

Test Statistics (ms)

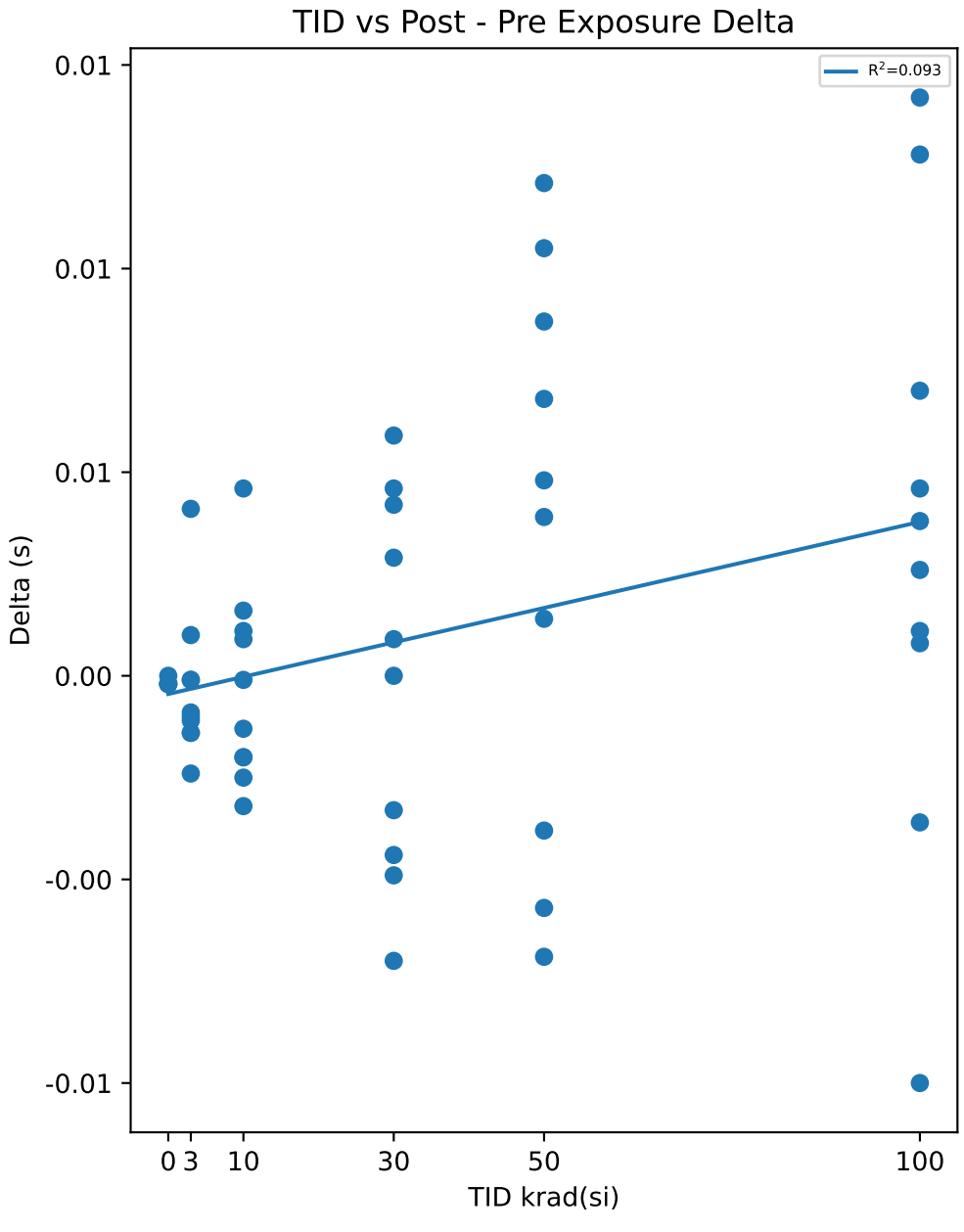
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.578	23.811	24.013	0.16408	23.577	23.806	24.003	0.1628	-0.011	-0.00458	0.0016	0.0055859
3	23.351	23.655	23.981	0.22472	23.337	23.653	23.99	0.2236	-0.1896	-0.00152	0.1591	0.10202
10	23.42	23.727	24.133	0.26042	23.491	23.735	24.118	0.22888	-0.1524	0.00823	0.1309	0.099684
30	23.474	23.776	24.322	0.2435	23.447	23.858	24.399	0.28471	-0.2185	0.08153	0.2814	0.15013
50	23.381	23.959	24.615	0.36651	23.284	23.959	24.708	0.42642	-0.107	-0.00089	0.121	0.089333
100	23.307	23.692	24.156	0.31895	23.141	23.698	24.115	0.29216	-0.3169	0.00674	0.2902	0.19641

Device Test: 5.53; WD_TMR_1MOHM



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

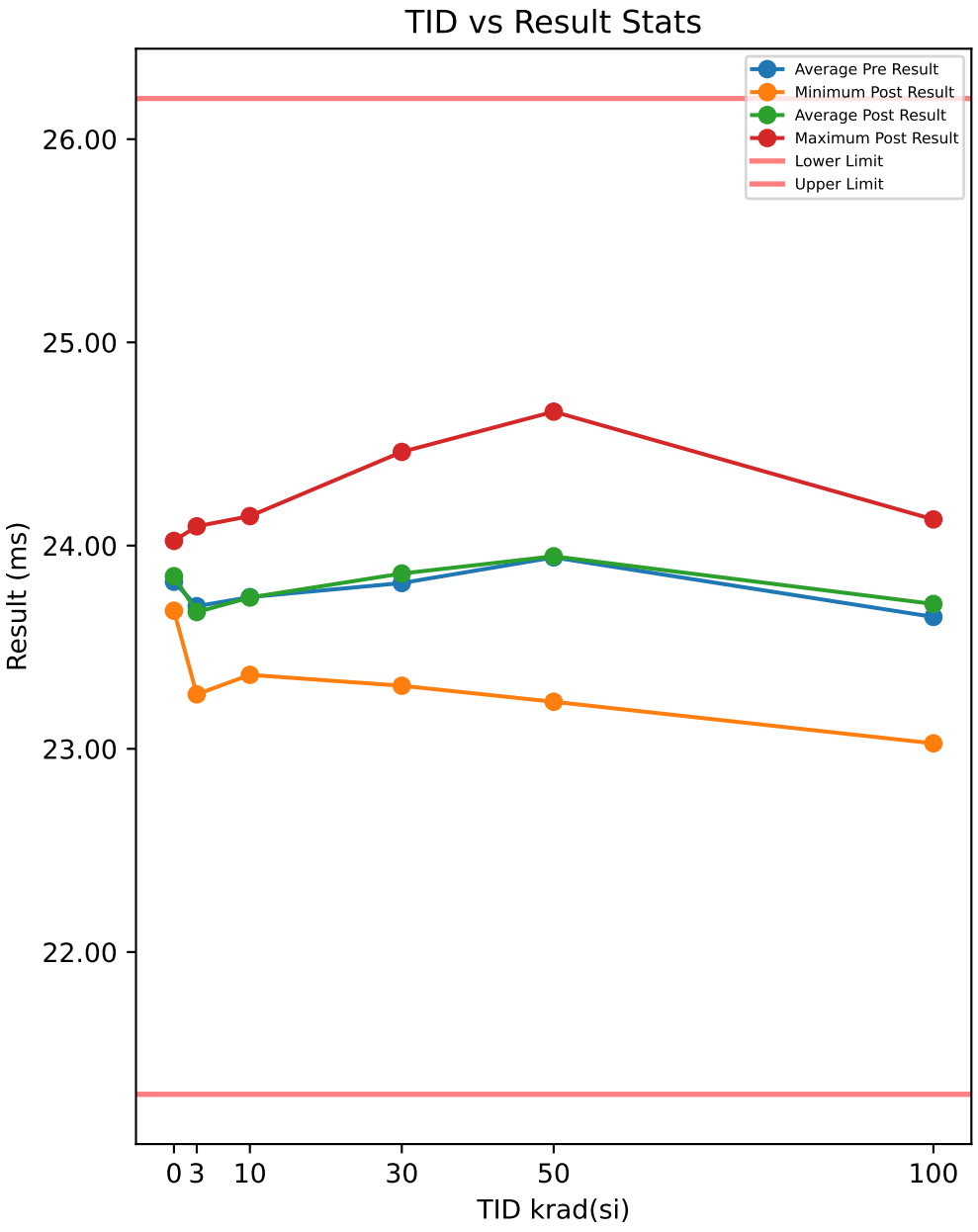
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.5577	1.5568	-0.0009
2	3	Biased	1.5243	1.5229	-0.0014
3	3	Biased	1.54	1.5399	-0.0001
4	3	Biased	1.5816	1.5802	-0.0014
5	3	Biased	1.5478	1.5468	-0.001
6	3	Unbiased	1.5716	1.5726	0.001
7	3	Unbiased	1.5562	1.5538	-0.0024
8	3	Unbiased	1.5282	1.5271	-0.0011
9	3	Unbiased	1.5727	1.5726	-0.0001
10	3	Unbiased	1.5729	1.577	0.0041
11	10	Biased	1.5459	1.5427	-0.0032
12	10	Biased	1.56	1.558	-0.002
13	10	Biased	1.5809	1.5808	-0.0001
14	10	Biased	1.5438	1.5418	-0.002
15	10	Biased	1.5448	1.5435	-0.0013
16	10	Unbiased	1.558	1.5591	0.0011
17	10	Unbiased	1.538	1.5426	0.0046
18	10	Unbiased	1.5648	1.5623	-0.0025
19	10	Unbiased	1.5516	1.5532	0.0016
20	10	Unbiased	1.5479	1.5488	0.0009
21	30	Biased	1.5503	1.5459	-0.0044
22	30	Biased	1.5914	1.5844	-0.007
23	30	Biased	1.5858	1.5904	0.0046
24	30	Biased	1.5593	1.5635	0.0042
25	30	Biased	1.5724	1.5675	-0.0049
26	30	Unbiased	1.5437	1.5466	0.0029
27	30	Unbiased	1.5574	1.5541	-0.0033
28	30	Unbiased	1.5601	1.5601	0
29	30	Unbiased	1.5896	1.5955	0.0059
30	30	Unbiased	1.5689	1.5698	0.0009
31	50	Biased	1.5735	1.5749	0.0014
32	50	Biased	1.5672	1.5711	0.0039
33	50	Biased	1.5754	1.5802	0.0048
34	50	Biased	1.5603	1.5565	-0.0038
35	50	Biased	1.5883	1.5988	0.0105
36	50	Unbiased	1.5482	1.5413	-0.0069
37	50	Unbiased	1.5793	1.5861	0.0068
38	50	Unbiased	1.5623	1.5566	-0.0057
39	50	Unbiased	1.5603	1.5724	0.0121
40	50	Unbiased	1.5504	1.5591	0.0087
41	100	Biased	1.5703	1.5711	0.0008
42	100	Biased	1.5718	1.5744	0.0026
43	100	Biased	1.5467	1.5505	0.0038
44	100	Biased	1.5466	1.5608	0.0142
45	100	Biased	1.56	1.567	0.007
46	100	Unbiased	1.5506	1.5517	0.0011
47	100	Unbiased	1.5379	1.5425	0.0046
48	100	Unbiased	1.5771	1.5671	-0.01
49	100	Unbiased	1.5965	1.5929	-0.0036
50	100	Unbiased	1.5643	1.5771	0.0128
51	0	Correlation	1.5617	1.5615	-0.0002
53	0	Correlation	1.5464	1.5462	-0.0002
54	0	Correlation	1.555	1.5548	-0.0002
55	0	Correlation	1.541	1.5408	-0.0002
56	0	Correlation	1.5803	1.5803	0

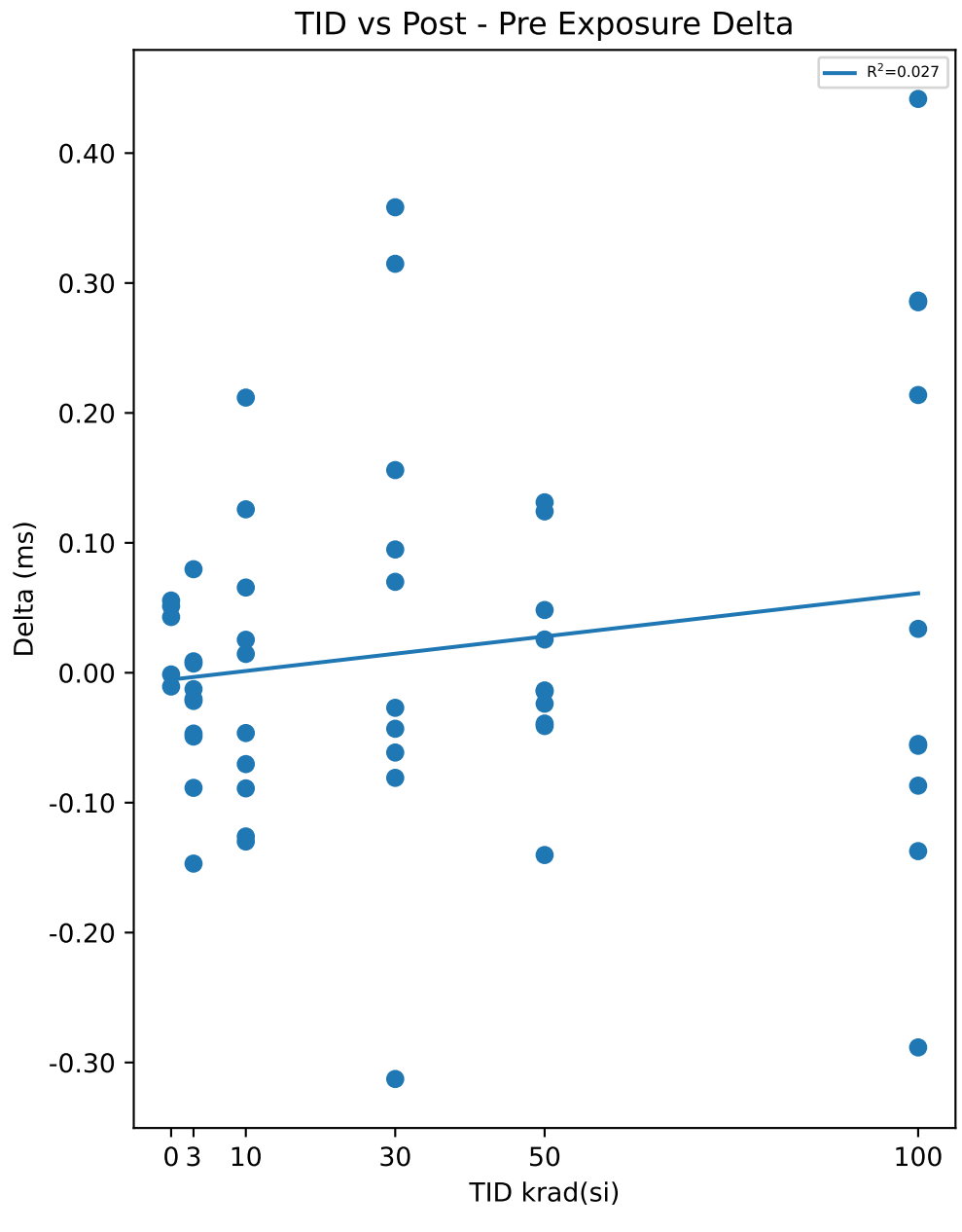


Test Statistics (s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.541	1.5569	1.5803	0.015307	1.5408	1.5567	1.5803	0.015384	-0.0002	-0.00016	0	8.9443e-05
3	1.5243	1.5553	1.5816	0.019895	1.5229	1.555	1.5802	0.020676	-0.0024	-0.00033	0.0041	0.0018087
10	1.538	1.5536	1.5809	0.012665	1.5418	1.5533	1.5808	0.012331	-0.0032	-0.00029	0.0046	0.0023826
30	1.5437	1.5679	1.5914	0.016684	1.5459	1.5678	1.5955	0.017487	-0.007	-0.00011	0.0059	0.0045457
50	1.5482	1.5665	1.5883	0.012721	1.5413	1.5697	1.5988	0.016757	-0.0069	0.00318	0.0121	0.0067677
100	1.5379	1.5622	1.5965	0.017557	1.5425	1.5655	1.5929	0.014784	-0.01	0.00333	0.0142	0.0071551

Device Test: 5.54; DLY_TMR_1MOHM





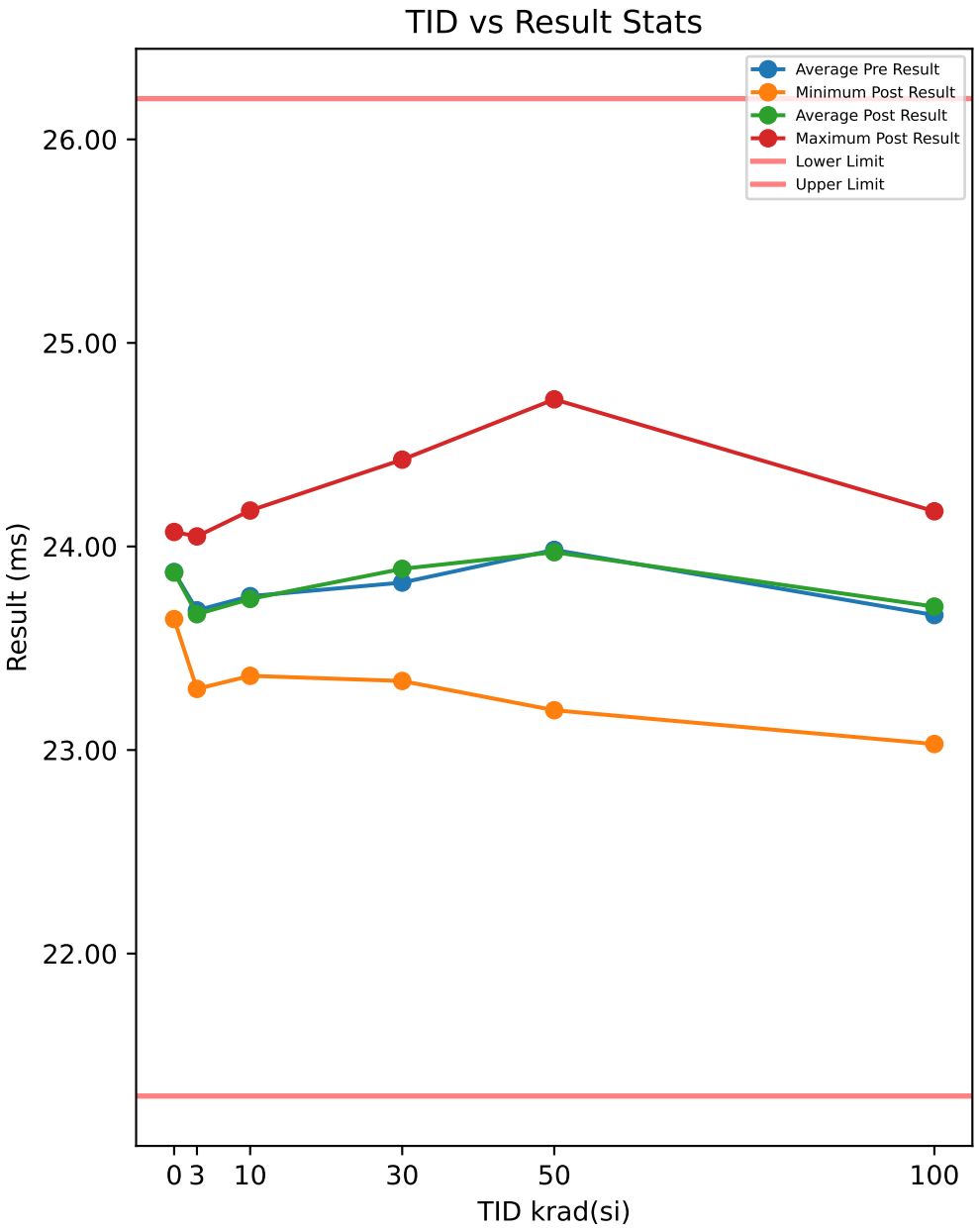
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

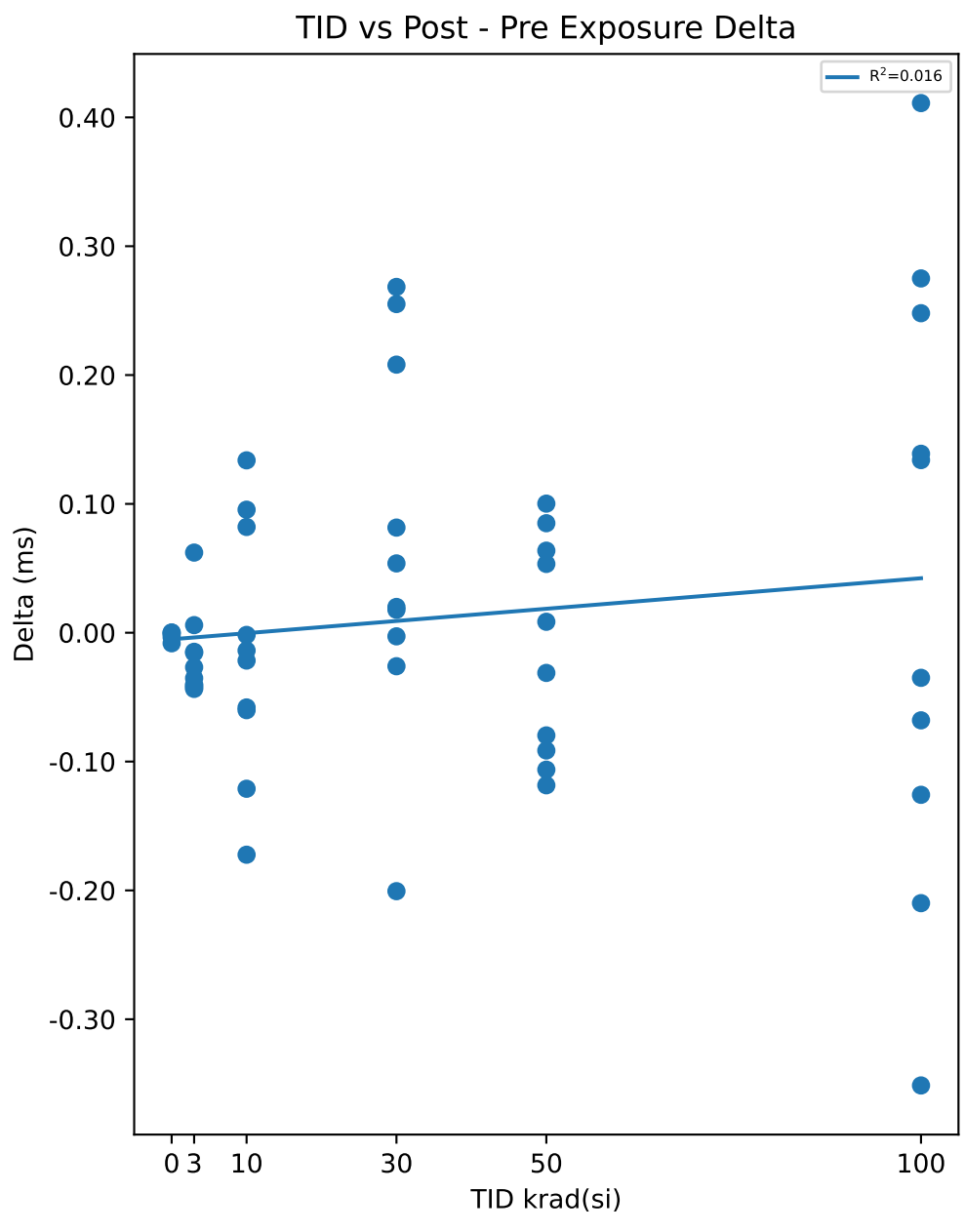
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.459	23.447	-0.0126
2	3	Biased	23.622	23.575	-0.0468
3	3	Biased	23.95	23.862	-0.0886
4	3	Biased	23.736	23.687	-0.0491
5	3	Biased	23.44	23.449	0.0088
6	3	Unbiased	23.473	23.48	0.0071
7	3	Unbiased	24.015	24.095	0.0797
8	3	Unbiased	24.091	24.069	-0.0217
9	3	Unbiased	23.817	23.797	-0.0201
10	3	Unbiased	23.415	23.268	-0.1469
11	10	Biased	23.259	23.471	0.2118
12	10	Biased	23.872	23.742	-0.1299
13	10	Biased	23.434	23.364	-0.0703
14	10	Biased	24.023	24.088	0.0656
15	10	Biased	23.509	23.383	-0.126
16	10	Unbiased	24.146	24.099	-0.0464
17	10	Unbiased	24.131	24.145	0.0145
18	10	Unbiased	23.624	23.649	0.0254
19	10	Unbiased	23.744	23.869	0.1258
20	10	Unbiased	23.724	23.635	-0.089
21	30	Biased	23.846	24.161	0.3148
22	30	Biased	23.683	23.602	-0.0809
23	30	Biased	24.305	24.461	0.156
24	30	Biased	23.372	23.31	-0.0614
25	30	Biased	23.832	23.789	-0.0431
26	30	Unbiased	23.952	23.639	-0.3127
27	30	Unbiased	23.642	24	0.3583
28	30	Unbiased	23.834	23.929	0.0949
29	30	Unbiased	23.724	23.697	-0.027
30	30	Unbiased	23.966	24.036	0.07
31	50	Biased	24.052	24.011	-0.041
32	50	Biased	23.245	23.232	-0.0136
33	50	Biased	23.906	24.037	0.1312
34	50	Biased	24.634	24.659	0.0256
35	50	Biased	23.975	23.951	-0.0238
36	50	Unbiased	23.749	23.609	-0.1403
37	50	Unbiased	23.363	23.348	-0.0144
38	50	Unbiased	24.157	24.118	-0.0391
39	50	Unbiased	24.157	24.205	0.0483
40	50	Unbiased	24.18	24.305	0.1242
41	100	Biased	23.418	23.86	0.4417
42	100	Biased	23.543	23.487	-0.0562
43	100	Biased	23.377	23.663	0.2865
44	100	Biased	23.862	23.807	-0.0548
45	100	Biased	23.315	23.027	-0.2884
46	100	Unbiased	24.095	23.957	-0.1373
47	100	Unbiased	23.909	23.942	0.0338
48	100	Unbiased	23.263	23.549	0.2852
49	100	Unbiased	24.216	24.129	-0.0869
50	100	Unbiased	23.493	23.706	0.2138
51	0	Correlation	24.034	24.023	-0.0106
53	0	Correlation	23.864	23.915	0.0513
54	0	Correlation	23.783	23.782	-0.0013
55	0	Correlation	23.805	23.848	0.0429
56	0	Correlation	23.624	23.679	0.0556

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	23.624	23.822	24.034	0.14805	23.679	23.849	24.023	0.13038	-0.0106	0.02758	0.0556	0.031122
3	23.415	23.702	24.091	0.25699	23.268	23.673	24.095	0.27862	-0.1469	-0.02902	0.0797	0.060665
10	23.259	23.746	24.146	0.2993	23.364	23.745	24.145	0.29657	-0.1299	-0.00185	0.2118	0.11234
30	23.372	23.816	24.305	0.24385	23.31	23.863	24.461	0.32592	-0.3127	0.04689	0.3583	0.19844
50	23.245	23.942	24.634	0.40832	23.232	23.947	24.659	0.43819	-0.1403	0.00571	0.1312	0.081072
100	23.263	23.649	24.216	0.34254	23.027	23.713	24.129	0.31045	-0.2884	0.06374	0.4417	0.23106

Device Test: 5.55; DLY_TMR_1MOHM





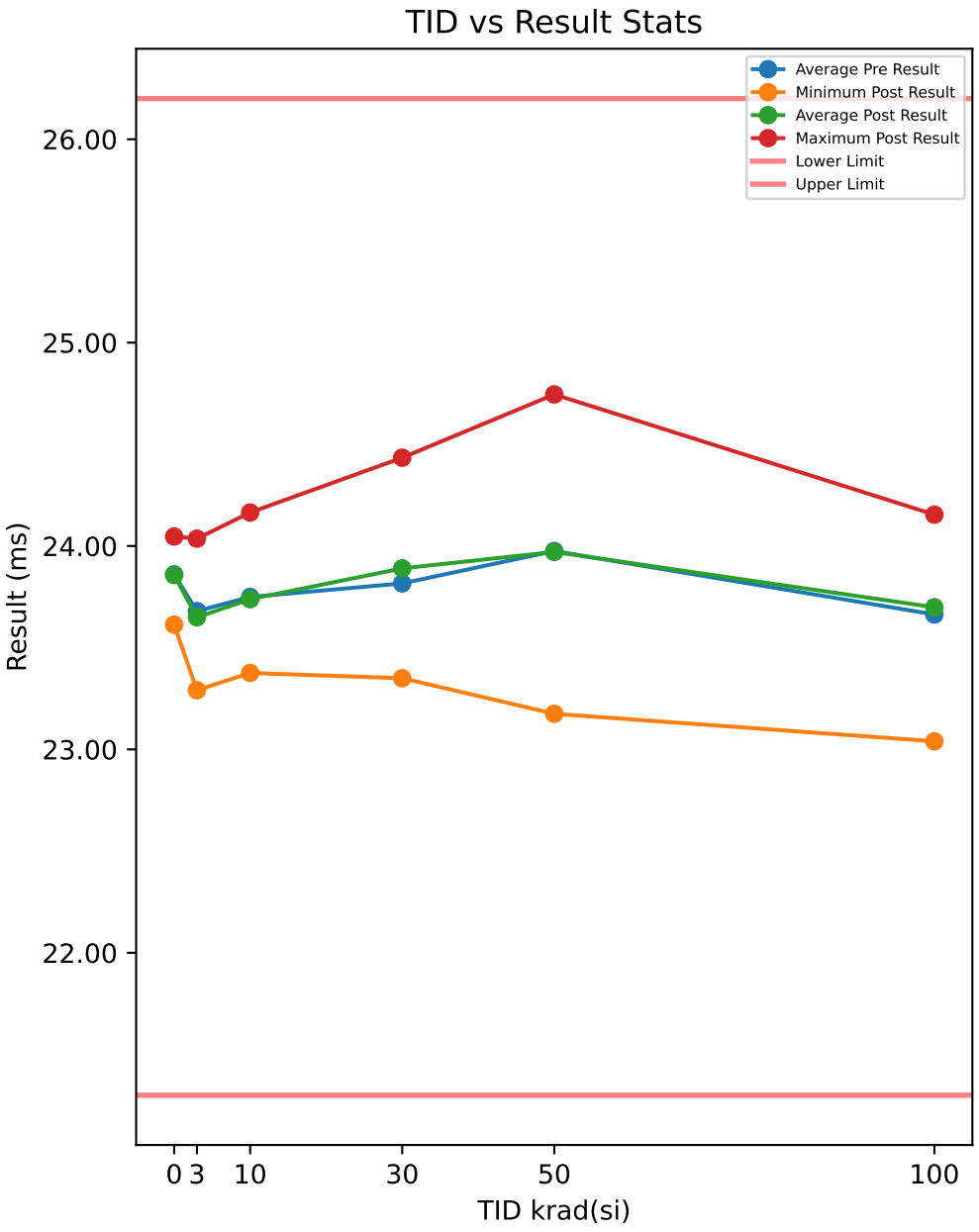
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

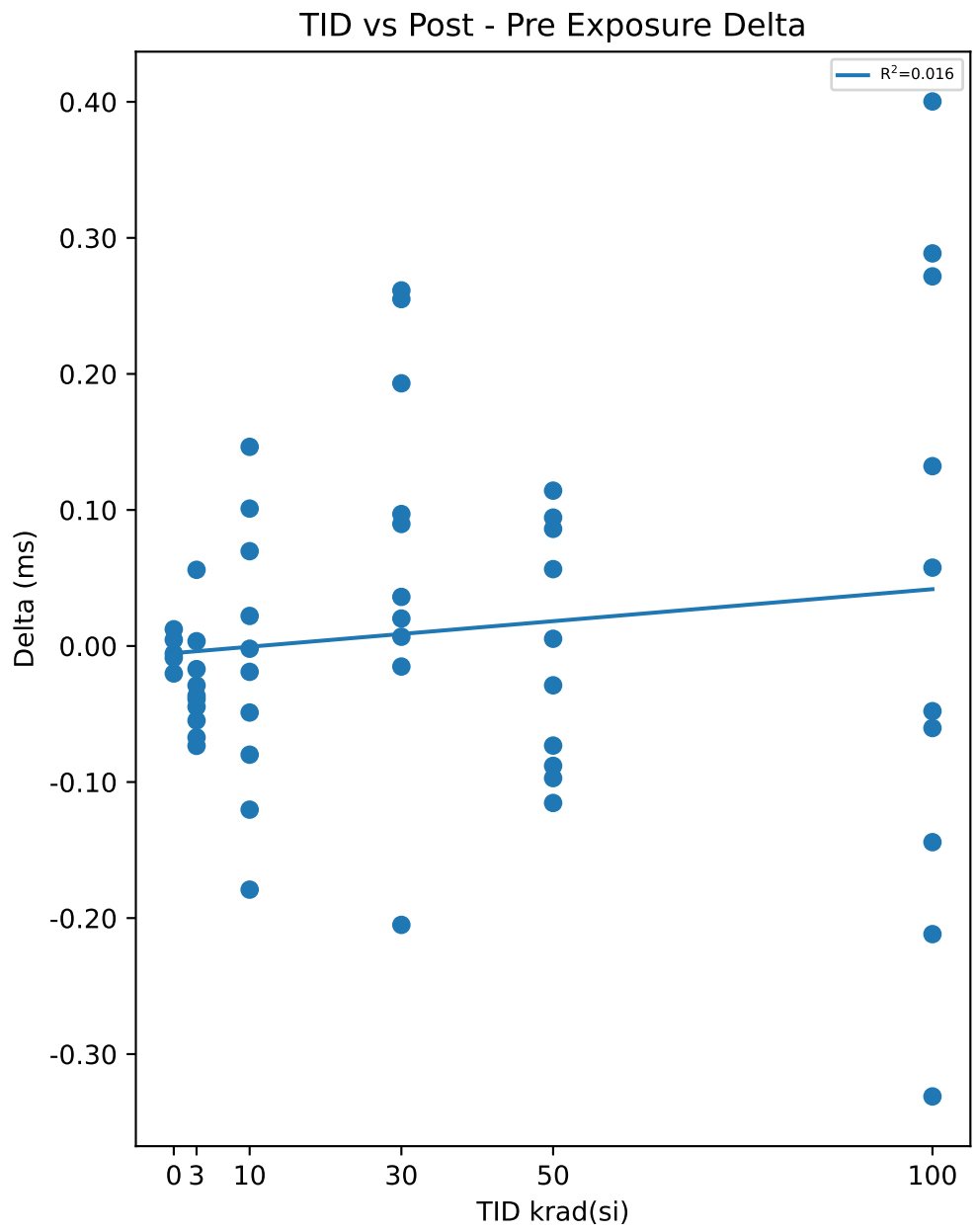
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.435	23.419	-0.0156
2	3	Biased	23.67	23.63	-0.0403
3	3	Biased	23.886	23.845	-0.041
4	3	Biased	23.821	23.778	-0.0428
5	3	Biased	23.471	23.444	-0.0268
6	3	Unbiased	23.424	23.38	-0.0436
7	3	Unbiased	23.983	24.045	0.0622
8	3	Unbiased	24.044	24.049	0.0059
9	3	Unbiased	23.796	23.781	-0.0148
10	3	Unbiased	23.335	23.3	-0.0353
11	10	Biased	23.317	23.451	0.1338
12	10	Biased	23.852	23.731	-0.1211
13	10	Biased	23.386	23.364	-0.0216
14	10	Biased	24.009	24.007	-0.0017
15	10	Biased	23.501	23.443	-0.058
16	10	Unbiased	24.19	24.177	-0.0138
17	10	Unbiased	24.132	24.072	-0.0601
18	10	Unbiased	23.621	23.716	0.0955
19	10	Unbiased	23.776	23.858	0.0821
20	10	Unbiased	23.774	23.602	-0.1723
21	30	Biased	23.872	24.127	0.2551
22	30	Biased	23.596	23.616	0.02
23	30	Biased	24.373	24.426	0.0538
24	30	Biased	23.365	23.339	-0.026
25	30	Biased	23.852	23.849	-0.0028
26	30	Unbiased	23.916	23.715	-0.2006
27	30	Unbiased	23.683	23.951	0.2684
28	30	Unbiased	23.948	23.965	0.0178
29	30	Unbiased	23.691	23.772	0.0816
30	30	Unbiased	23.931	24.139	0.2081
31	50	Biased	24.058	23.94	-0.1184
32	50	Biased	23.275	23.195	-0.0797
33	50	Biased	24.001	24.055	0.0534
34	50	Biased	24.659	24.723	0.0637
35	50	Biased	24.108	24.017	-0.0914
36	50	Unbiased	23.669	23.678	0.0085
37	50	Unbiased	23.427	23.321	-0.1063
38	50	Unbiased	24.215	24.184	-0.0312
39	50	Unbiased	24.163	24.263	0.1002
40	50	Unbiased	24.256	24.341	0.085
41	100	Biased	23.417	23.828	0.4111
42	100	Biased	23.469	23.401	-0.068
43	100	Biased	23.415	23.554	0.1389
44	100	Biased	23.98	23.77	-0.2099
45	100	Biased	23.381	23.029	-0.3514
46	100	Unbiased	24.195	24.069	-0.1258
47	100	Unbiased	23.938	24.072	0.134
48	100	Unbiased	23.206	23.48	0.275
49	100	Unbiased	24.208	24.173	-0.035
50	100	Unbiased	23.421	23.669	0.248
51	0	Correlation	24.071	24.071	0.0002
53	0	Correlation	23.974	23.966	-0.0082
54	0	Correlation	23.832	23.831	-0.001
55	0	Correlation	23.851	23.848	-0.0034
56	0	Correlation	23.643	23.643	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	23.643	23.874	24.071	0.16158	23.643	23.872	24.071	0.16059	-0.0082	-0.00248	0.0002	0.0035031
3	23.335	23.686	24.044	0.25554	23.3	23.667	24.049	0.27403	-0.0436	-0.01921	0.0622	0.032792
10	23.317	23.756	24.19	0.30125	23.364	23.742	24.177	0.28259	-0.1723	-0.01372	0.1338	0.096534
30	23.365	23.823	24.373	0.26656	23.339	23.89	24.426	0.30555	-0.2006	0.06754	0.2684	0.14376
50	23.275	23.983	24.659	0.41472	23.195	23.972	24.723	0.4658	-0.1184	-0.01162	0.1002	0.084258
100	23.206	23.663	24.208	0.37459	23.029	23.705	24.173	0.35415	-0.3514	0.04169	0.4111	0.23926

Device Test: 5.56; DLY_TMR_1MOHM





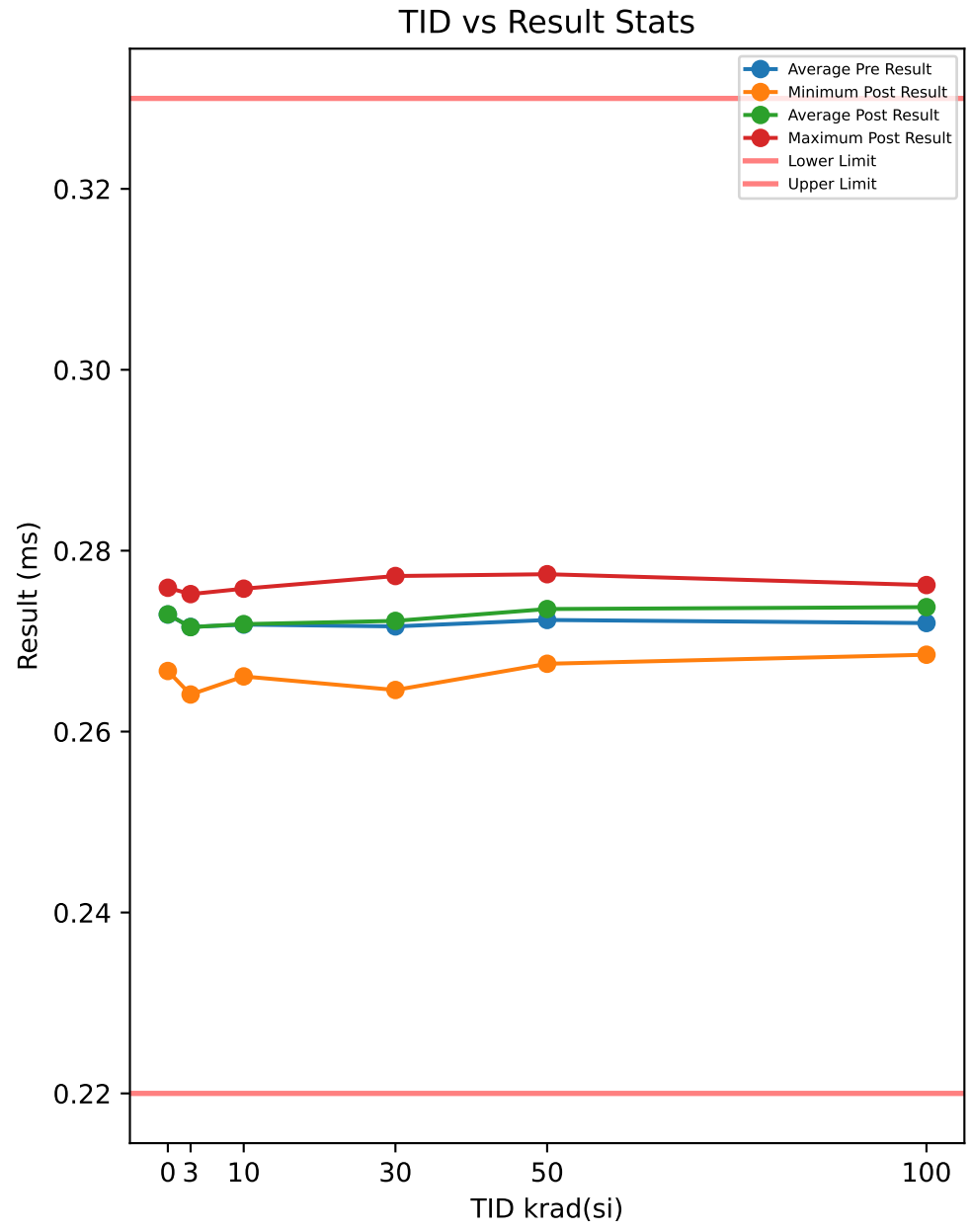
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

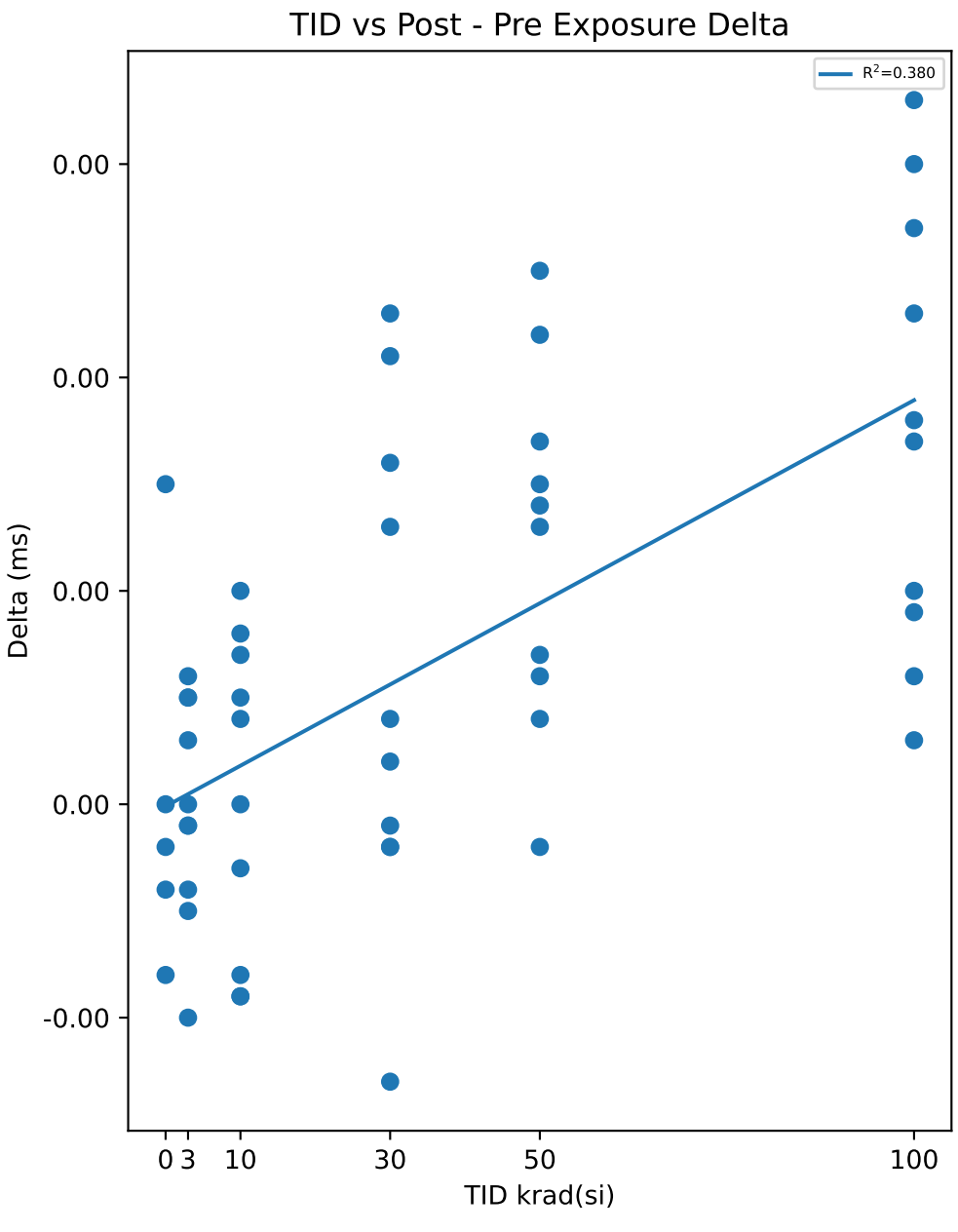
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.427	23.398	-0.029
2	3	Biased	23.662	23.617	-0.0447
3	3	Biased	23.882	23.843	-0.039
4	3	Biased	23.815	23.741	-0.0734
5	3	Biased	23.463	23.409	-0.0548
6	3	Unbiased	23.419	23.352	-0.0672
7	3	Unbiased	23.98	24.036	0.056
8	3	Unbiased	24.033	24.036	0.0035
9	3	Unbiased	23.791	23.774	-0.017
10	3	Unbiased	23.328	23.291	-0.0366
11	10	Biased	23.308	23.455	0.1464
12	10	Biased	23.84	23.72	-0.1203
13	10	Biased	23.378	23.376	-0.002
14	10	Biased	24	24.022	0.0221
15	10	Biased	23.494	23.415	-0.0799
16	10	Unbiased	24.184	24.165	-0.019
17	10	Unbiased	24.128	24.079	-0.0489
18	10	Unbiased	23.615	23.716	0.101
19	10	Unbiased	23.78	23.85	0.0697
20	10	Unbiased	23.768	23.589	-0.1791
21	30	Biased	23.865	24.12	0.255
22	30	Biased	23.592	23.612	0.0202
23	30	Biased	24.337	24.434	0.097
24	30	Biased	23.365	23.35	-0.0151
25	30	Biased	23.848	23.855	0.0068
26	30	Unbiased	23.912	23.707	-0.205
27	30	Unbiased	23.675	23.937	0.2614
28	30	Unbiased	23.942	23.978	0.0361
29	30	Unbiased	23.684	23.774	0.0897
30	30	Unbiased	23.942	24.135	0.1931
31	50	Biased	24.049	23.934	-0.1154
32	50	Biased	23.272	23.175	-0.0971
33	50	Biased	23.987	24.043	0.0565
34	50	Biased	24.651	24.745	0.0944
35	50	Biased	24.1	24.027	-0.0732
36	50	Unbiased	23.663	23.669	0.0053
37	50	Unbiased	23.42	23.331	-0.0881
38	50	Unbiased	24.21	24.182	-0.0289
39	50	Unbiased	24.156	24.242	0.0861
40	50	Unbiased	24.246	24.36	0.1142
41	100	Biased	23.41	23.811	0.4003
42	100	Biased	23.466	23.406	-0.0603
43	100	Biased	23.409	23.541	0.1322
44	100	Biased	23.974	23.762	-0.2118
45	100	Biased	23.371	23.04	-0.3311
46	100	Unbiased	24.192	24.048	-0.1442
47	100	Unbiased	24.008	24.066	0.0576
48	100	Unbiased	23.199	23.488	0.2886
49	100	Unbiased	24.202	24.154	-0.0479
50	100	Unbiased	23.401	23.673	0.2717
51	0	Correlation	24.067	24.047	-0.0202
53	0	Correlation	23.952	23.964	0.0123
54	0	Correlation	23.818	23.822	0.0046
55	0	Correlation	23.846	23.84	-0.0055
56	0	Correlation	23.622	23.613	-0.0087

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	23.622	23.861	24.067	0.16576	23.613	23.857	24.047	0.1646	-0.0202	-0.0035	0.0123	0.012502
3	23.328	23.68	24.033	0.25594	23.291	23.65	24.036	0.27891	-0.0734	-0.03022	0.056	0.037875
10	23.308	23.75	24.184	0.30177	23.376	23.739	24.165	0.28488	-0.1791	-0.011	0.1464	0.10081
30	23.365	23.816	24.337	0.25962	23.35	23.89	24.434	0.30479	-0.205	0.07392	0.2614	0.14042
50	23.272	23.975	24.651	0.41356	23.175	23.971	24.745	0.47285	-0.1154	-0.00462	0.1142	0.087606
100	23.199	23.663	24.202	0.38339	23.04	23.699	24.154	0.34492	-0.3311	0.03551	0.4003	0.23729

Device Test: 5.57; DLY_TMR_10KOHM





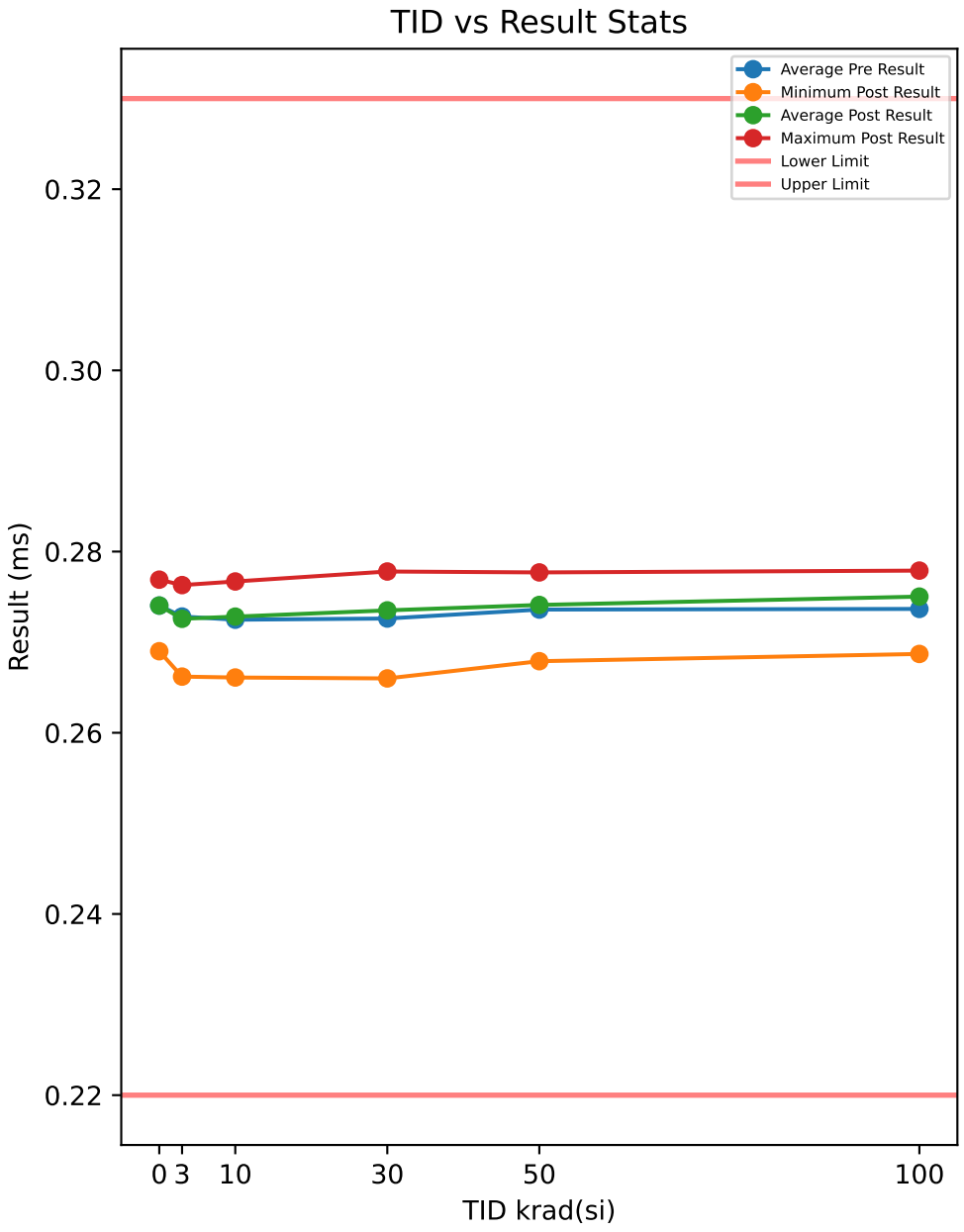
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

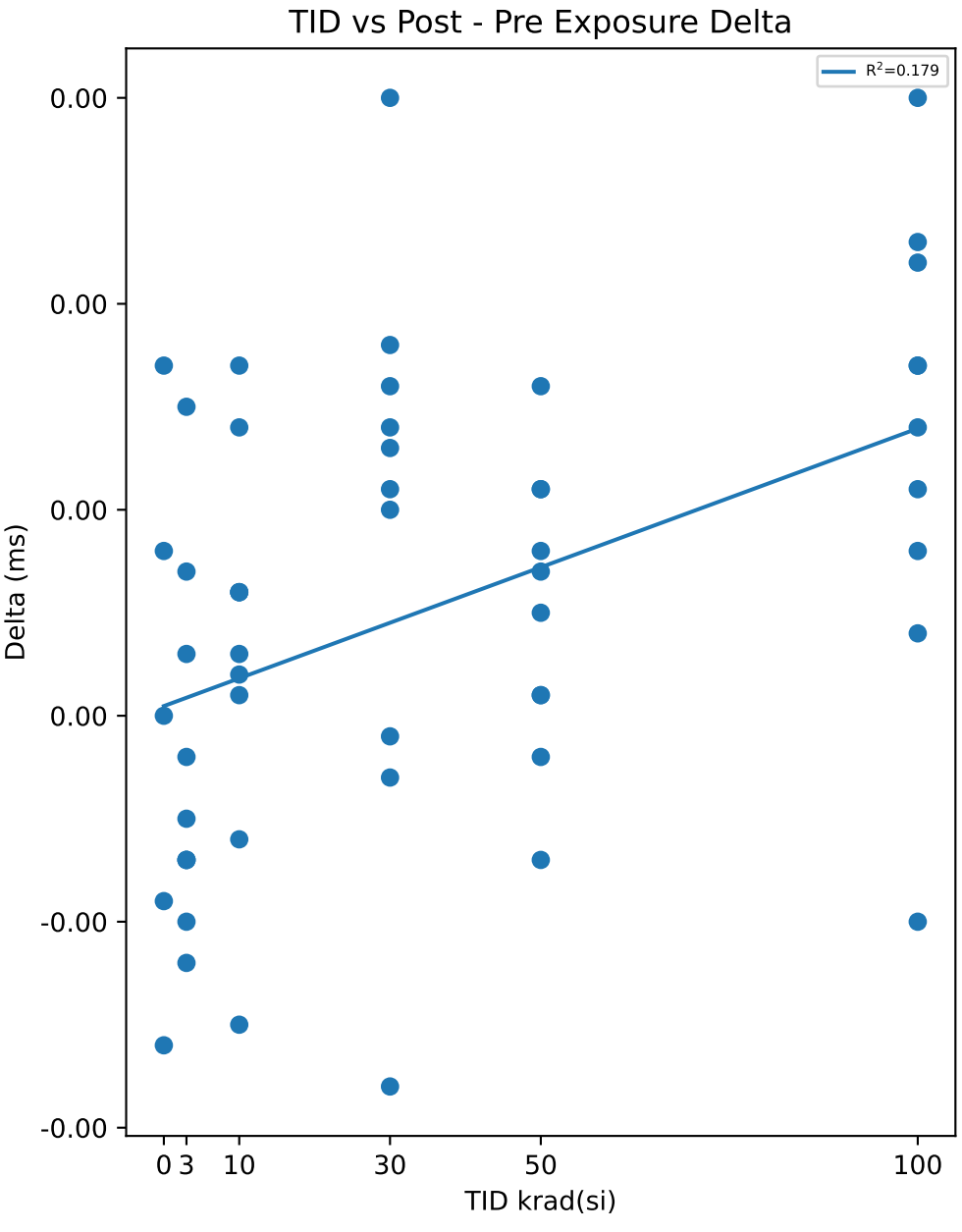
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2636	0.2641	0.0005
2	3	Biased	0.2732	0.2732	0
3	3	Biased	0.2741	0.2747	0.0006
4	3	Biased	0.2736	0.2735	-0.0001
5	3	Biased	0.2661	0.2656	-0.0005
6	3	Unbiased	0.2744	0.2734	-0.001
7	3	Unbiased	0.2741	0.2744	0.0003
8	3	Unbiased	0.2668	0.2673	0.0005
9	3	Unbiased	0.2753	0.2752	-0.0001
10	3	Unbiased	0.2745	0.2741	-0.0004
11	10	Biased	0.275	0.2758	0.0008
12	10	Biased	0.2747	0.2744	-0.0003
13	10	Biased	0.2744	0.2749	0.0005
14	10	Biased	0.267	0.2661	-0.0009
15	10	Biased	0.2737	0.2728	-0.0009
16	10	Unbiased	0.2674	0.2666	-0.0008
17	10	Unbiased	0.2733	0.2733	0
18	10	Unbiased	0.2651	0.2661	0.001
19	10	Unbiased	0.2747	0.2754	0.0007
20	10	Unbiased	0.273	0.2734	0.0004
21	30	Biased	0.2756	0.2772	0.0016
22	30	Biased	0.2753	0.2757	0.0004
23	30	Biased	0.2723	0.2746	0.0023
24	30	Biased	0.2658	0.2656	-0.0002
25	30	Biased	0.2644	0.2646	0.0002
26	30	Unbiased	0.2757	0.2744	-0.0013
27	30	Unbiased	0.2658	0.2671	0.0013
28	30	Unbiased	0.2714	0.2735	0.0021
29	30	Unbiased	0.2751	0.275	-0.0001
30	30	Unbiased	0.2749	0.2747	-0.0002
31	50	Biased	0.277	0.2774	0.0004
32	50	Biased	0.2714	0.2736	0.0022
33	50	Biased	0.2746	0.2761	0.0015
34	50	Biased	0.2674	0.2699	0.0025
35	50	Biased	0.2686	0.2684	-0.0002
36	50	Unbiased	0.2751	0.2757	0.0006
37	50	Unbiased	0.2662	0.2675	0.0013
38	50	Unbiased	0.2748	0.2765	0.0017
39	50	Unbiased	0.2746	0.276	0.0014
40	50	Unbiased	0.2737	0.2744	0.0007
41	100	Biased	0.2727	0.2757	0.003
42	100	Biased	0.2729	0.2747	0.0018
43	100	Biased	0.2739	0.2762	0.0023
44	100	Biased	0.2727	0.276	0.0033
45	100	Biased	0.2658	0.2685	0.0027
46	100	Unbiased	0.2737	0.2754	0.0017
47	100	Unbiased	0.2734	0.2744	0.001
48	100	Unbiased	0.2725	0.2734	0.0009
49	100	Unbiased	0.2737	0.2743	0.0006
50	100	Unbiased	0.2687	0.269	0.0003
51	0	Correlation	0.2743	0.2758	0.0015
53	0	Correlation	0.2727	0.2725	-0.0002
54	0	Correlation	0.2675	0.2667	-0.0008
55	0	Correlation	0.2743	0.2739	-0.0004
56	0	Correlation	0.2759	0.2759	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	0.2675	0.27294	0.2759	0.0032447	0.2667	0.27296	0.2759	0.0037747	-0.0008	2e-05	0.0015	0.00087864
3	0.2636	0.27157	0.2753	0.0042983	0.2641	0.27155	0.2752	0.0041738	-0.001	-2e-05	0.0006	0.00051381
10	0.2651	0.27183	0.275	0.0037771	0.2661	0.27188	0.2758	0.0039874	-0.0009	5e-05	0.001	0.00073522
30	0.2644	0.27163	0.2757	0.004586	0.2646	0.27224	0.2772	0.0046061	-0.0013	0.00061	0.0023	0.0011647
50	0.2662	0.27234	0.277	0.0037182	0.2675	0.27355	0.2774	0.0036182	-0.0002	0.00121	0.0025	0.00083593
100	0.2658	0.272	0.2739	0.0026399	0.2685	0.27376	0.2762	0.0027782	0.0003	0.00176	0.0033	0.001048

Device Test: 5.58; DLY_TMR_10KOHM





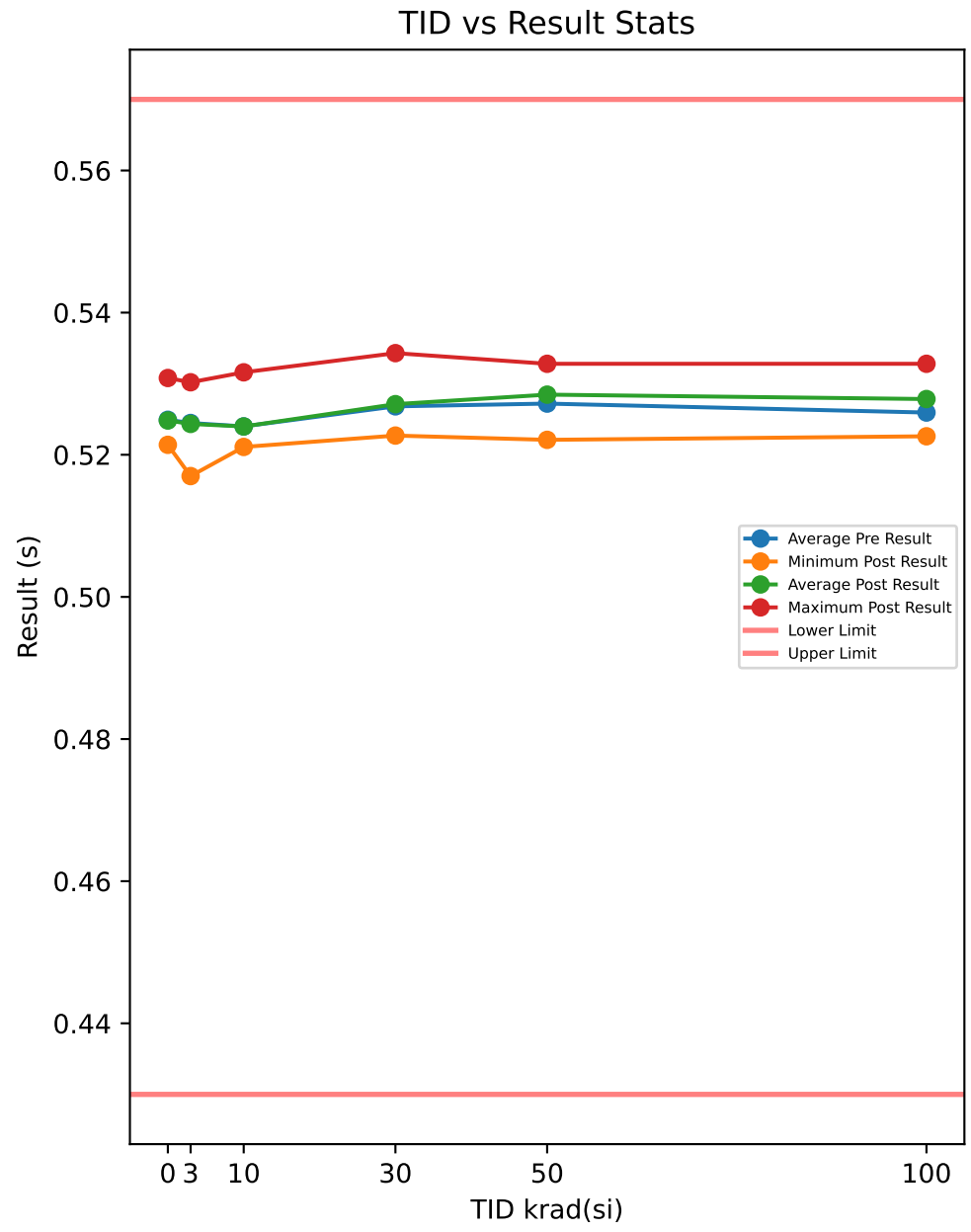
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2647	0.2662	0.0015
2	3	Biased	0.2751	0.2744	-0.0007
3	3	Biased	0.275	0.2757	0.0007
4	3	Biased	0.2761	0.2756	-0.0005
5	3	Biased	0.2669	0.2662	-0.0007
6	3	Unbiased	0.2745	0.2738	-0.0007
7	3	Unbiased	0.276	0.275	-0.001
8	3	Unbiased	0.2683	0.2681	-0.0002
9	3	Unbiased	0.276	0.2763	0.0003
10	3	Unbiased	0.2757	0.2745	-0.0012
11	10	Biased	0.2753	0.2767	0.0014
12	10	Biased	0.2757	0.2751	-0.0006
13	10	Biased	0.2748	0.2754	0.0006
14	10	Biased	0.2675	0.2681	0.0006
15	10	Biased	0.2736	0.2753	0.0017
16	10	Unbiased	0.2674	0.2676	0.0002
17	10	Unbiased	0.2752	0.2737	-0.0015
18	10	Unbiased	0.2655	0.2661	0.0006
19	10	Unbiased	0.2765	0.2766	0.0001
20	10	Unbiased	0.2733	0.2736	0.0003
21	30	Biased	0.2765	0.2776	0.0011
22	30	Biased	0.2762	0.2778	0.0016
23	30	Biased	0.2747	0.2746	-0.0001
24	30	Biased	0.2672	0.2669	-0.0003
25	30	Biased	0.2647	0.266	0.0013
26	30	Unbiased	0.2765	0.2747	-0.0018
27	30	Unbiased	0.2678	0.2692	0.0014
28	30	Unbiased	0.2723	0.2733	0.001
29	30	Unbiased	0.2759	0.2777	0.0018
30	30	Unbiased	0.2743	0.2773	0.003
31	50	Biased	0.278	0.2773	-0.0007
32	50	Biased	0.2731	0.2732	0.0001
33	50	Biased	0.2764	0.2762	-0.0002
34	50	Biased	0.2695	0.2706	0.0011
35	50	Biased	0.2688	0.2704	0.0016
36	50	Unbiased	0.2766	0.2771	0.0005
37	50	Unbiased	0.2668	0.2679	0.0011
38	50	Unbiased	0.2759	0.2766	0.0007
39	50	Unbiased	0.2769	0.2777	0.0008
40	50	Unbiased	0.274	0.2741	0.0001
41	100	Biased	0.2739	0.2769	0.003
42	100	Biased	0.2746	0.2768	0.0022
43	100	Biased	0.2762	0.2779	0.0017
44	100	Biased	0.2749	0.2757	0.0008
45	100	Biased	0.2683	0.2687	0.0004
46	100	Unbiased	0.276	0.2774	0.0014
47	100	Unbiased	0.274	0.2757	0.0017
48	100	Unbiased	0.2744	0.2755	0.0011
49	100	Unbiased	0.276	0.275	-0.001
50	100	Unbiased	0.2684	0.2707	0.0023
51	0	Correlation	0.2769	0.2769	0
53	0	Correlation	0.2729	0.2746	0.0017
54	0	Correlation	0.2682	0.269	0.0008
55	0	Correlation	0.2758	0.2742	-0.0016
56	0	Correlation	0.2764	0.2755	-0.0009

Test Statistics (ms)

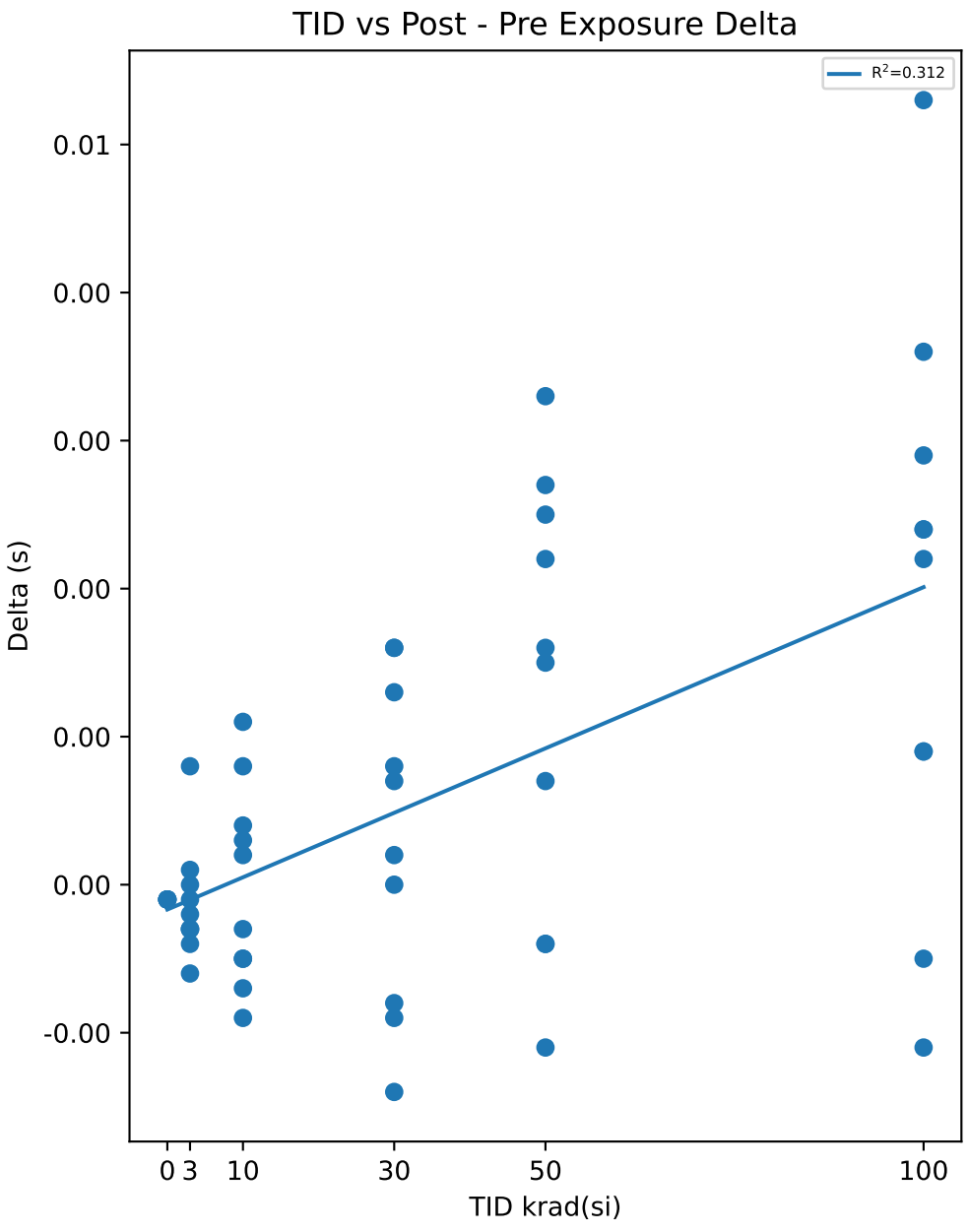
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2682	0.27404	0.2769	0.0036143	0.269	0.27404	0.2769	0.0030022	-0.0016	2.2204e-17	0.0017	0.0013134
3	0.2647	0.27283	0.2761	0.0043902	0.2662	0.27258	0.2763	0.0040622	-0.0012	-0.00025	0.0015	0.0008436
10	0.2655	0.27248	0.2765	0.0040622	0.2661	0.27282	0.2767	0.0039919	-0.0015	0.00034	0.0017	0.00091433
30	0.2647	0.27261	0.2765	0.0044255	0.266	0.27351	0.2778	0.0045749	-0.0018	0.0009	0.003	0.0013292
50	0.2668	0.2736	0.278	0.0039282	0.2679	0.27411	0.2777	0.0034649	-0.0007	0.00051	0.0016	0.00069194
100	0.2683	0.27367	0.2762	0.0029239	0.2687	0.27503	0.2779	0.0029893	-0.001	0.00136	0.003	0.0011247

Device Test: 5.59; WD_TMR_10KOHM



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

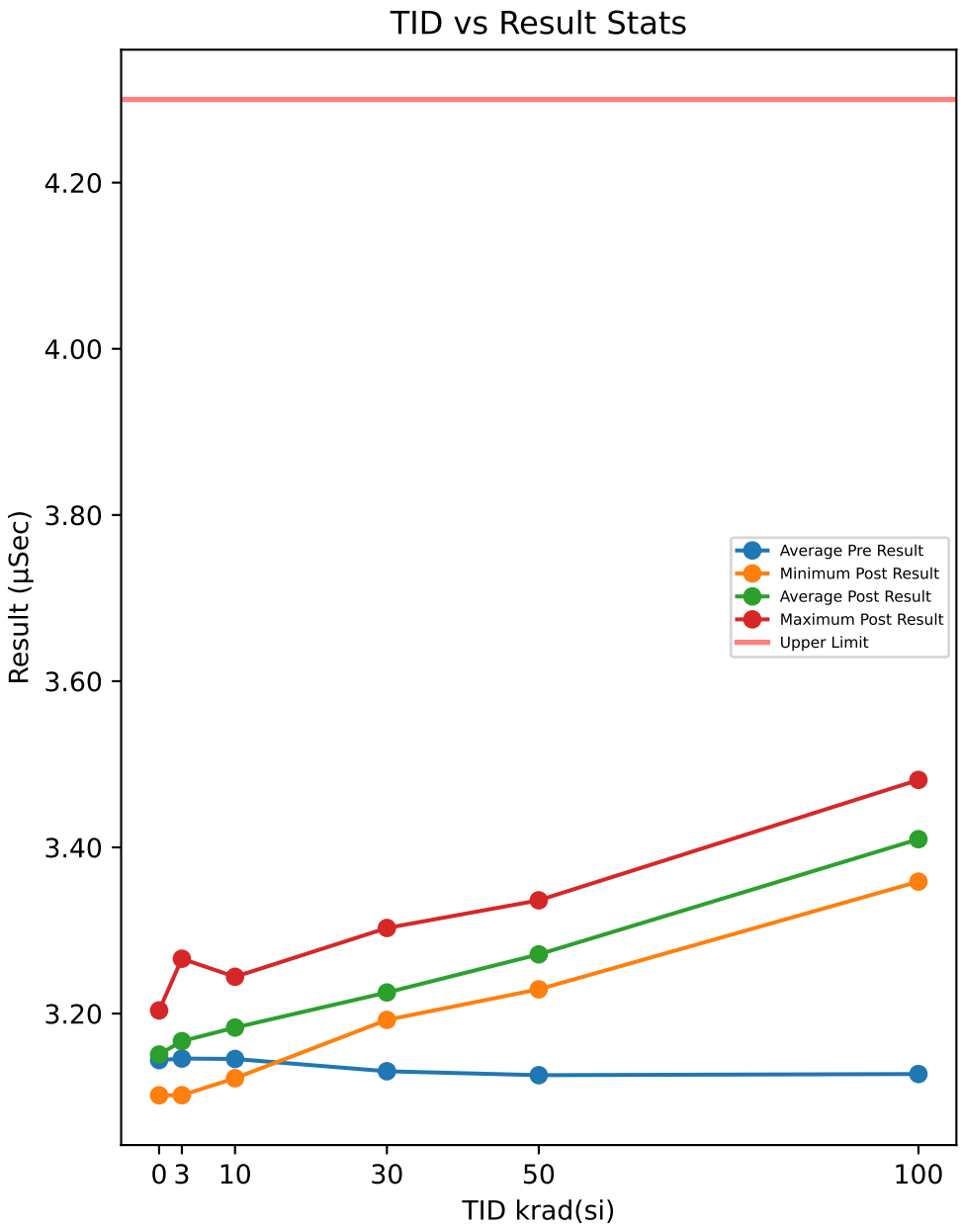
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.5258	0.5256	-0.0002
2	3	Biased	0.5173	0.517	-0.0003
3	3	Biased	0.5211	0.5211	0
4	3	Biased	0.5305	0.5302	-0.0003
5	3	Biased	0.522	0.5216	-0.0004
6	3	Unbiased	0.5292	0.5293	0.0001
7	3	Unbiased	0.5249	0.5243	-0.0006
8	3	Unbiased	0.5175	0.5172	-0.0003
9	3	Unbiased	0.5283	0.5282	-0.0001
10	3	Unbiased	0.5281	0.5289	0.0008
11	10	Biased	0.5234	0.5225	-0.0009
12	10	Biased	0.5248	0.5245	-0.0003
13	10	Biased	0.5313	0.5316	0.0003
14	10	Biased	0.5224	0.5219	-0.0005
15	10	Biased	0.5225	0.522	-0.0005
16	10	Unbiased	0.5236	0.524	0.0004
17	10	Unbiased	0.52	0.5211	0.0011
18	10	Unbiased	0.5262	0.5255	-0.0007
19	10	Unbiased	0.5239	0.5247	0.0008
20	10	Unbiased	0.5218	0.522	0.0002
21	30	Biased	0.5247	0.5238	-0.0009
22	30	Biased	0.5319	0.5305	-0.0014
23	30	Biased	0.5288	0.5304	0.0016
24	30	Biased	0.5257	0.527	0.0013
25	30	Biased	0.528	0.5272	-0.0008
26	30	Unbiased	0.5219	0.5227	0.0008
27	30	Unbiased	0.5241	0.5241	0
28	30	Unbiased	0.5237	0.5239	0.0002
29	30	Unbiased	0.5327	0.5343	0.0016
30	30	Unbiased	0.5266	0.5273	0.0007
31	50	Biased	0.5286	0.5293	0.0007
32	50	Biased	0.5279	0.5295	0.0016
33	50	Biased	0.5304	0.5319	0.0015
34	50	Biased	0.5269	0.5265	-0.0004
35	50	Biased	0.5301	0.5328	0.0027
36	50	Unbiased	0.5232	0.5221	-0.0011
37	50	Unbiased	0.5304	0.5326	0.0022
38	50	Unbiased	0.5256	0.5252	-0.0004
39	50	Unbiased	0.5255	0.5288	0.0033
40	50	Unbiased	0.5234	0.5259	0.0025
41	100	Biased	0.5275	0.5284	0.0009
42	100	Biased	0.5275	0.5297	0.0022
43	100	Biased	0.5222	0.5246	0.0024
44	100	Biased	0.5229	0.5282	0.0053
45	100	Biased	0.5266	0.5295	0.0029
46	100	Unbiased	0.5241	0.525	0.0009
47	100	Unbiased	0.5202	0.5226	0.0024
48	100	Unbiased	0.529	0.5279	-0.0011
49	100	Unbiased	0.5333	0.5328	-0.0005
50	100	Unbiased	0.5261	0.5297	0.0036
51	0	Correlation	0.5259	0.5258	-0.0001
53	0	Correlation	0.5215	0.5214	-0.0001
54	0	Correlation	0.5246	0.5245	-0.0001
55	0	Correlation	0.5217	0.5216	-0.0001
56	0	Correlation	0.5309	0.5308	-0.0001



Test Statistics (s)

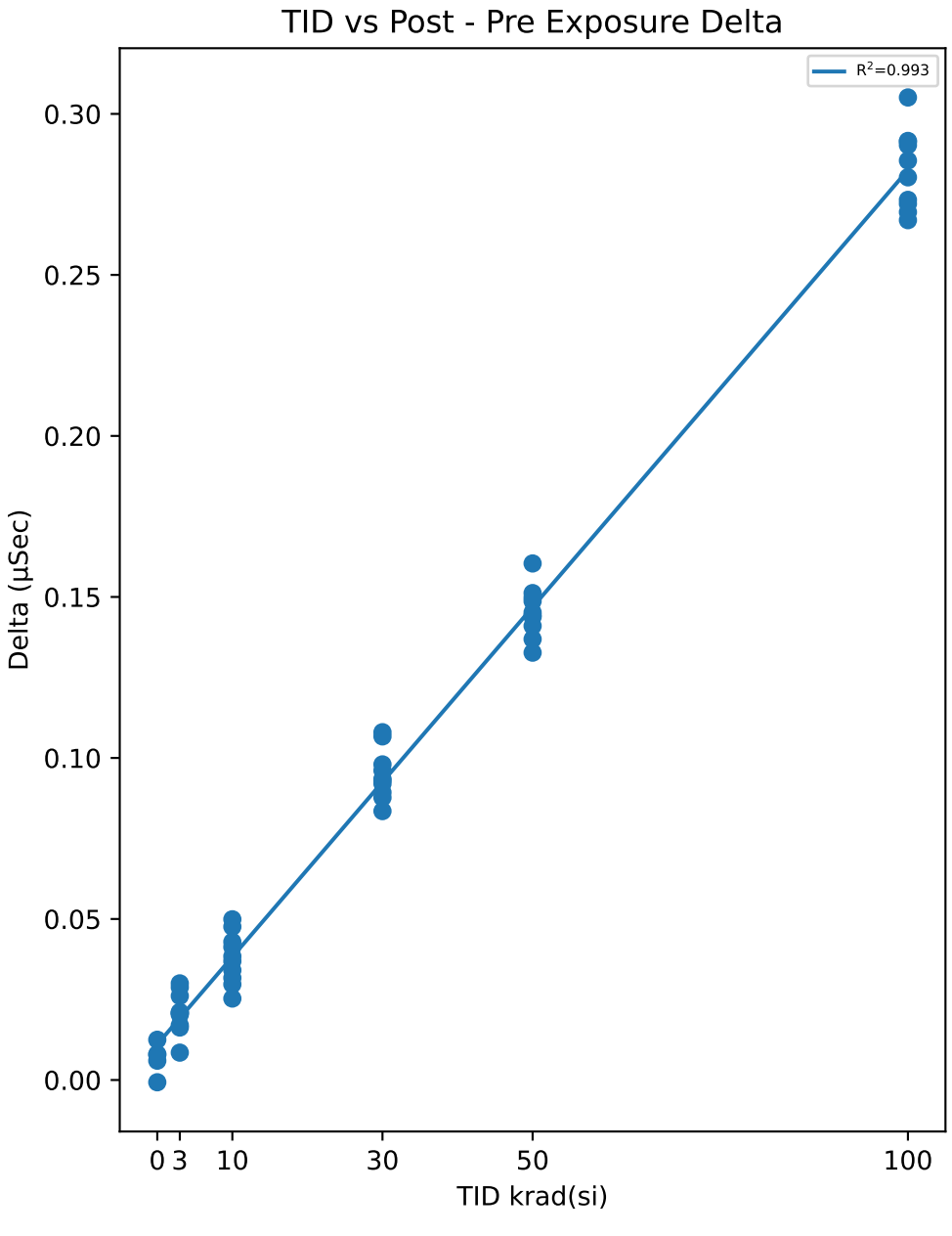
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5215	0.52492	0.5309	0.0038369	0.5214	0.52482	0.5308	0.0038369	-0.0001	-0.0001	-0.0001	4.965e-17
3	0.5173	0.52447	0.5305	0.004784	0.517	0.52434	0.5302	0.0049338	-0.0006	-0.00013	0.0008	0.00038312
10	0.52	0.52399	0.5313	0.0030723	0.5211	0.52398	0.5316	0.0030517	-0.0009	-1e-05	0.0011	0.00066908
30	0.5219	0.52681	0.5327	0.0035407	0.5227	0.52712	0.5343	0.0037094	-0.0014	0.00031	0.0016	0.0010765
50	0.5232	0.5272	0.5304	0.002735	0.5221	0.52846	0.5328	0.0035148	-0.0011	0.00126	0.0033	0.001499
100	0.5202	0.52594	0.5333	0.0037775	0.5226	0.52784	0.5328	0.0029953	-0.0011	0.0019	0.0053	0.001909

Device Test: 5.6; PROPD_RESET



Test Results (Upper Limit = 4.3 (µSec))

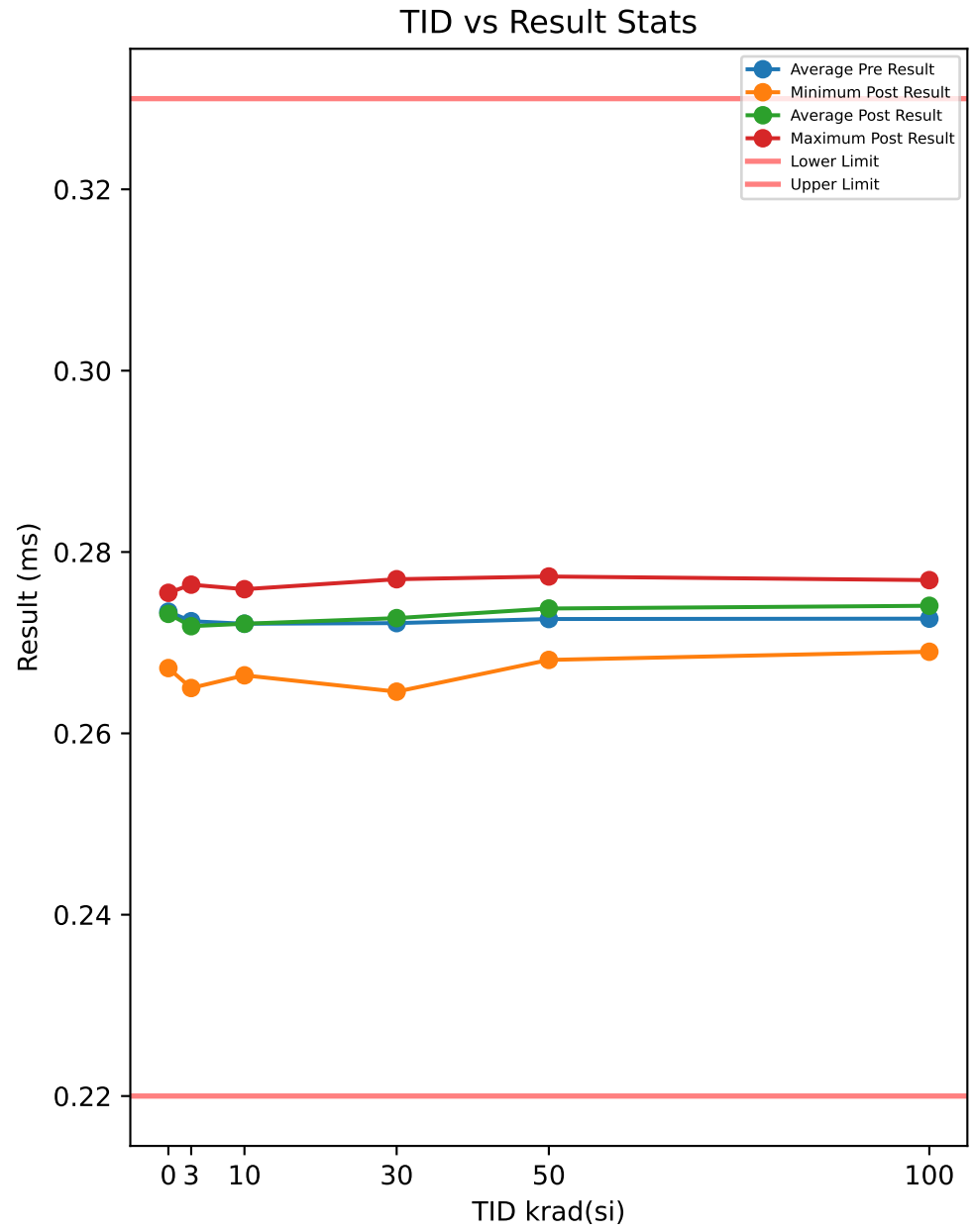
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	3.1971	3.2182	0.0211
2	3	Biased	3.2372	3.266	0.0288
3	3	Biased	3.1722	3.193	0.0208
4	3	Biased	3.0757	3.1018	0.0261
5	3	Biased	3.1345	3.1645	0.03
6	3	Unbiased	3.1464	3.1634	0.017
7	3	Unbiased	3.133	3.1493	0.0163
8	3	Unbiased	3.1597	3.1682	0.0085
9	3	Unbiased	3.1059	3.1262	0.0203
10	3	Unbiased	3.097	3.1178	0.0208
11	10	Biased	3.1173	3.1649	0.0476
12	10	Biased	3.1687	3.2004	0.0317
13	10	Biased	3.1109	3.1608	0.0499
14	10	Biased	3.116	3.1573	0.0413
15	10	Biased	3.1954	3.2251	0.0297
16	10	Unbiased	3.0969	3.1222	0.0253
17	10	Unbiased	3.2074	3.2443	0.0369
18	10	Unbiased	3.1471	3.19	0.0429
19	10	Unbiased	3.117	3.1554	0.0384
20	10	Unbiased	3.1772	3.2113	0.0341
21	30	Biased	3.1343	3.2178	0.0835
22	30	Biased	3.1098	3.1975	0.0877
23	30	Biased	3.205	3.303	0.098
24	30	Biased	3.0857	3.1924	0.1067
25	30	Biased	3.1237	3.2167	0.093
26	30	Unbiased	3.1367	3.2287	0.092
27	30	Unbiased	3.1196	3.2131	0.0935
28	30	Unbiased	3.1484	3.2564	0.108
29	30	Unbiased	3.1359	3.2252	0.0893
30	30	Unbiased	3.1069	3.203	0.0961
31	50	Biased	3.0914	3.2401	0.1487
32	50	Biased	3.0988	3.2315	0.1327
33	50	Biased	3.1217	3.2729	0.1512
34	50	Biased	3.1252	3.2856	0.1604
35	50	Biased	3.1994	3.3363	0.1369
36	50	Unbiased	3.1412	3.2822	0.141
37	50	Unbiased	3.1615	3.3067	0.1452
38	50	Unbiased	3.1286	3.2729	0.1443
39	50	Unbiased	3.1056	3.2554	0.1498
40	50	Unbiased	3.0854	3.2292	0.1438
41	100	Biased	3.2091	3.4812	0.2721
42	100	Biased	3.1025	3.3941	0.2916
43	100	Biased	3.1611	3.4514	0.2903
44	100	Biased	3.0991	3.3794	0.2803
45	100	Biased	3.1301	3.3971	0.267
46	100	Unbiased	3.1382	3.4237	0.2855
47	100	Unbiased	3.1321	3.4235	0.2914
48	100	Unbiased	3.0949	3.3644	0.2695
49	100	Unbiased	3.1201	3.4252	0.3051
50	100	Unbiased	3.0855	3.3588	0.2733
51	0	Correlation	3.1587	3.1667	0.008
53	0	Correlation	3.1978	3.2038	0.006
54	0	Correlation	3.1302	3.1381	0.0079
55	0	Correlation	3.131	3.1435	0.0125
56	0	Correlation	3.1024	3.1017	-0.0007

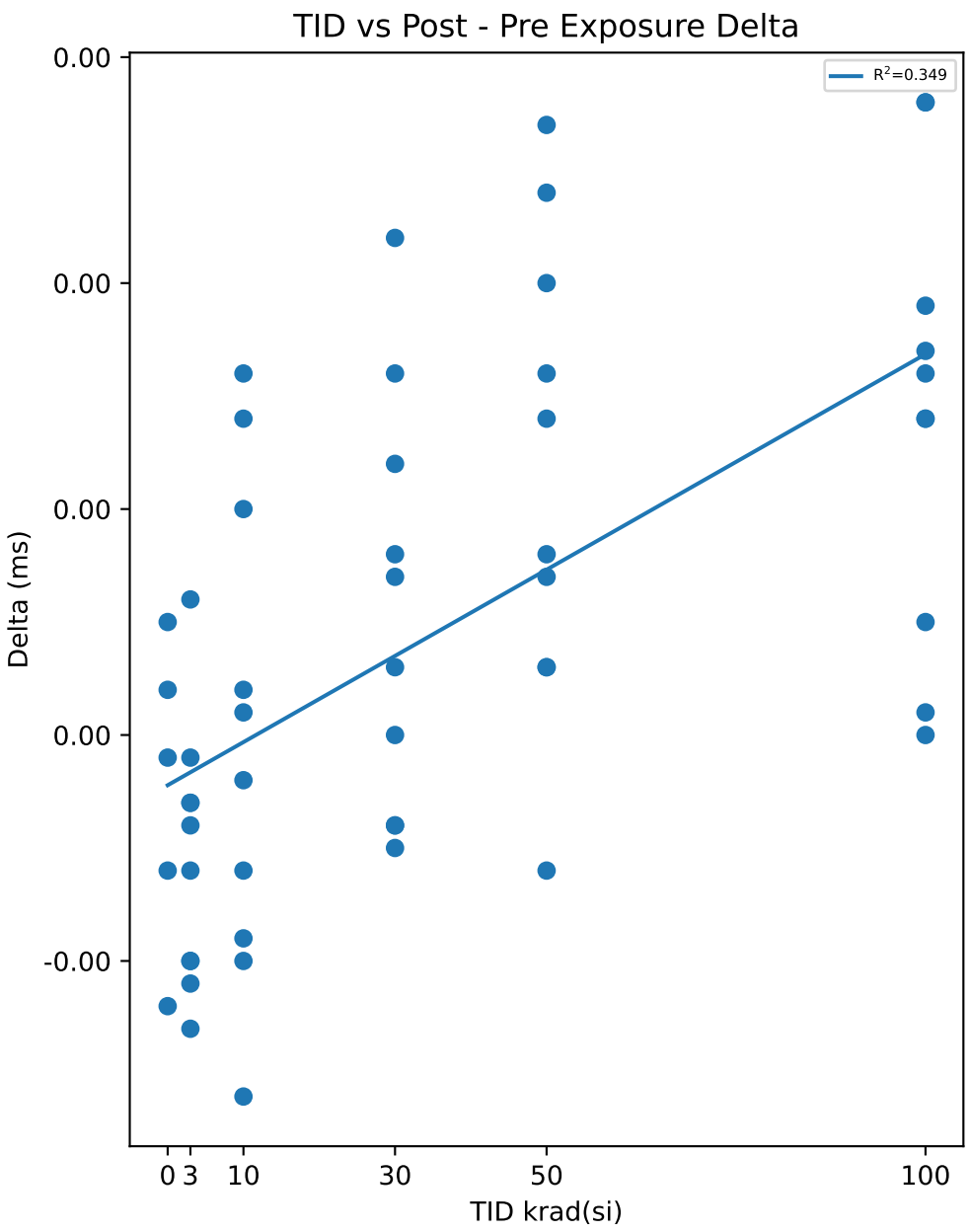


Test Statistics (µSec)

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	3.1024	3.144	3.1978	0.036057	3.1017	3.1508	3.2038	0.037707	-0.0007	0.00674	0.0125	0.0047961
3	3.0757	3.1459	3.2372	0.048368	3.1018	3.1668	3.266	0.04918	0.0085	0.02097	0.03	0.0063488
10	3.0969	3.1454	3.2074	0.039305	3.1222	3.1832	3.2443	0.037449	0.0253	0.03778	0.0499	0.0078502
30	3.0857	3.1306	3.205	0.031816	3.1924	3.2254	3.303	0.032741	0.0835	0.09478	0.108	0.0078095
50	3.0854	3.1259	3.1994	0.034811	3.2292	3.2713	3.3363	0.033976	0.1327	0.1454	0.1604	0.007786
100	3.0855	3.1273	3.2091	0.036882	3.3588	3.4099	3.4812	0.038645	0.267	0.28261	0.3051	0.012245

Device Test: 5.60; DLY_TMR_10KOHM





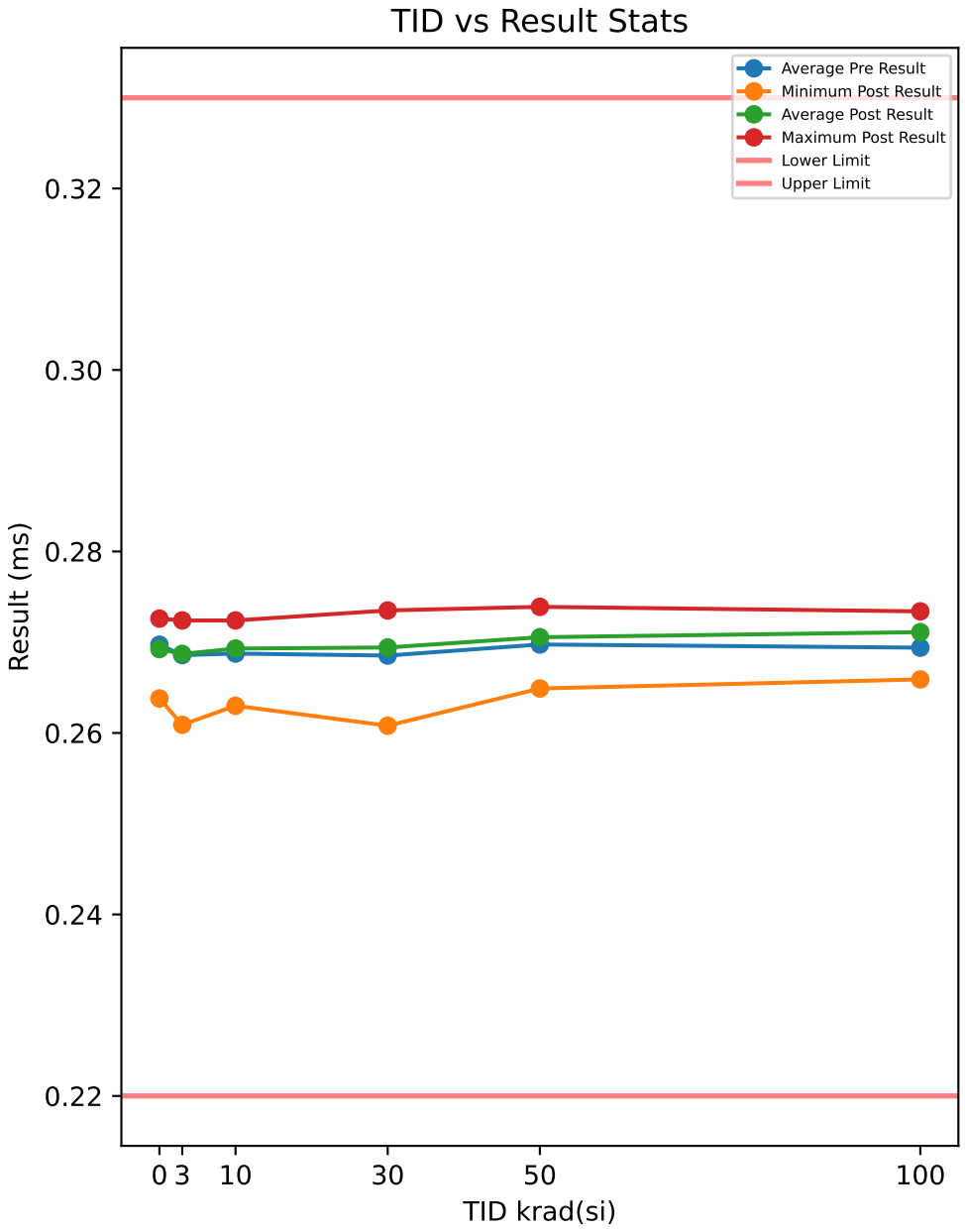
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

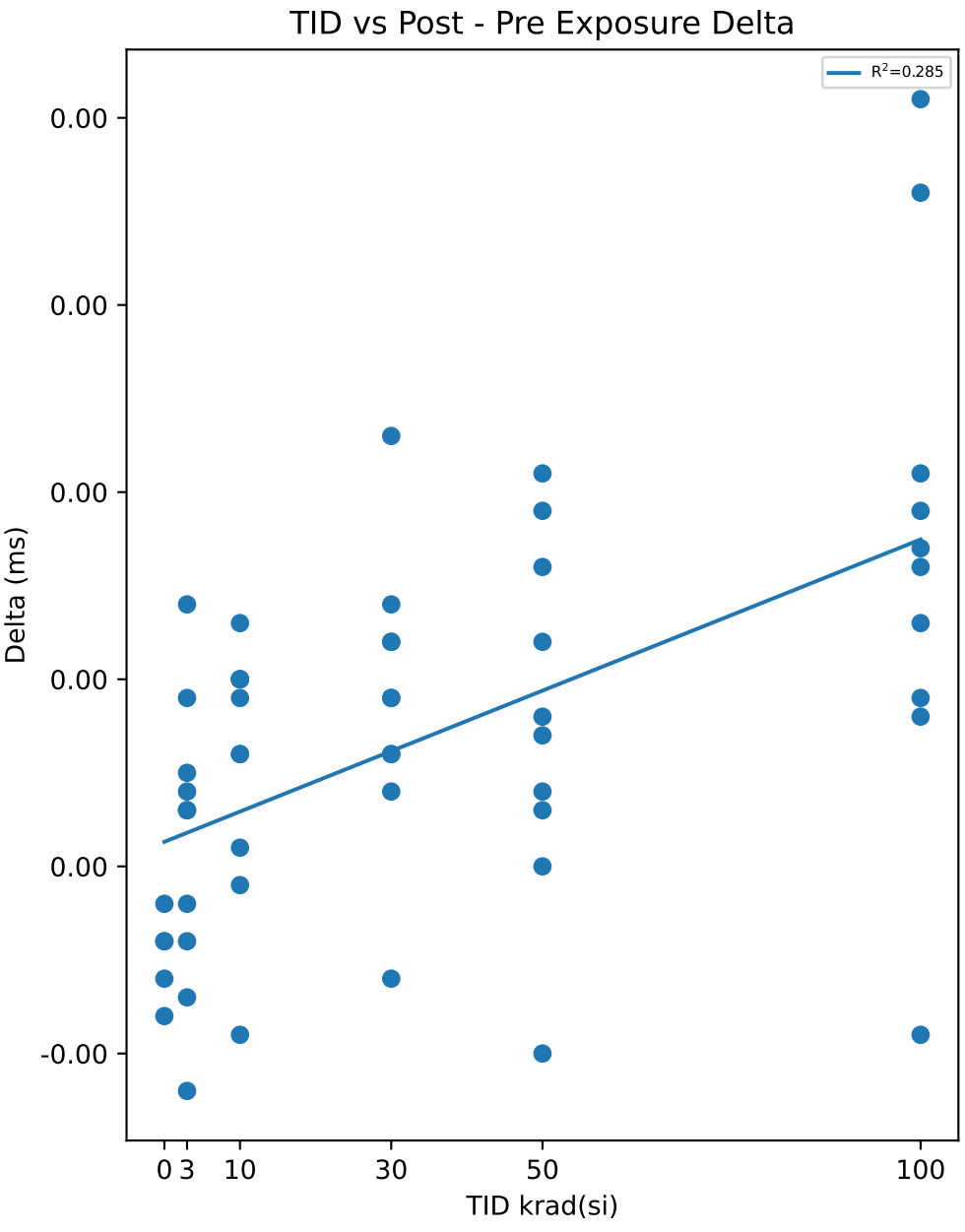
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2656	0.265	-0.0006
2	3	Biased	0.2744	0.2741	-0.0003
3	3	Biased	0.2739	0.2735	-0.0004
4	3	Biased	0.2753	0.2752	-0.0001
5	3	Biased	0.2663	0.2653	-0.001
6	3	Unbiased	0.2742	0.2739	-0.0003
7	3	Unbiased	0.2757	0.2746	-0.0011
8	3	Unbiased	0.2682	0.2669	-0.0013
9	3	Unbiased	0.2758	0.2764	0.0006
10	3	Unbiased	0.2743	0.2733	-0.001
11	10	Biased	0.2742	0.2756	0.0014
12	10	Biased	0.2755	0.2746	-0.0009
13	10	Biased	0.2749	0.2751	0.0002
14	10	Biased	0.2681	0.2665	-0.0016
15	10	Biased	0.2742	0.2736	-0.0006
16	10	Unbiased	0.2666	0.2664	-0.0002
17	10	Unbiased	0.2729	0.2739	0.001
18	10	Unbiased	0.265	0.2666	0.0016
19	10	Unbiased	0.2758	0.2759	0.0001
20	10	Unbiased	0.2737	0.2727	-0.001
21	30	Biased	0.2758	0.277	0.0012
22	30	Biased	0.2761	0.2768	0.0007
23	30	Biased	0.2734	0.2734	0
24	30	Biased	0.2672	0.2675	0.0003
25	30	Biased	0.2651	0.2646	-0.0005
26	30	Unbiased	0.2744	0.2752	0.0008
27	30	Unbiased	0.2659	0.2675	0.0016
28	30	Unbiased	0.2732	0.2728	-0.0004
29	30	Unbiased	0.2762	0.2758	-0.0004
30	30	Unbiased	0.2743	0.2765	0.0022
31	50	Biased	0.2758	0.2761	0.0003
32	50	Biased	0.2721	0.2741	0.002
33	50	Biased	0.2753	0.276	0.0007
34	50	Biased	0.2683	0.2686	0.0003
35	50	Biased	0.2696	0.269	-0.0006
36	50	Unbiased	0.2746	0.2773	0.0027
37	50	Unbiased	0.2657	0.2681	0.0024
38	50	Unbiased	0.2763	0.2771	0.0008
39	50	Unbiased	0.2753	0.2769	0.0016
40	50	Unbiased	0.2731	0.2745	0.0014
41	100	Biased	0.2731	0.2759	0.0028
42	100	Biased	0.2724	0.2741	0.0017
43	100	Biased	0.2753	0.2769	0.0016
44	100	Biased	0.2738	0.2766	0.0028
45	100	Biased	0.2676	0.269	0.0014
46	100	Unbiased	0.2753	0.2754	0.0001
47	100	Unbiased	0.2725	0.273	0.0005
48	100	Unbiased	0.2743	0.2743	0
49	100	Unbiased	0.274	0.2759	0.0019
50	100	Unbiased	0.2682	0.2696	0.0014
51	0	Correlation	0.2755	0.2754	-0.0001
53	0	Correlation	0.2735	0.2737	0.0002
54	0	Correlation	0.2684	0.2672	-0.0012
55	0	Correlation	0.2736	0.2741	0.0005
56	0	Correlation	0.2761	0.2755	-0.0006

Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2684	0.27342	0.2761	0.003031	0.2672	0.27318	0.2755	0.0034347	-0.0012	-0.00024	0.0005	0.00067305
3	0.2656	0.27237	0.2758	0.0040144	0.265	0.27182	0.2764	0.0043192	-0.0013	-0.00055	0.0006	0.00057203
10	0.265	0.27209	0.2758	0.0039689	0.2664	0.27209	0.2759	0.0039706	-0.0016	5.5511e-18	0.0016	0.0010719
30	0.2651	0.27216	0.2762	0.0043582	0.2646	0.27271	0.277	0.0045435	-0.0005	0.00055	0.0022	0.00091924
50	0.2657	0.27261	0.2763	0.0036226	0.2681	0.27377	0.2773	0.003742	-0.0006	0.00116	0.0027	0.0010426
100	0.2676	0.27265	0.2753	0.0026978	0.269	0.27407	0.2769	0.0027841	0	0.00142	0.0028	0.00098635

Device Test: 5.61; DLY_TMR_10KOHM





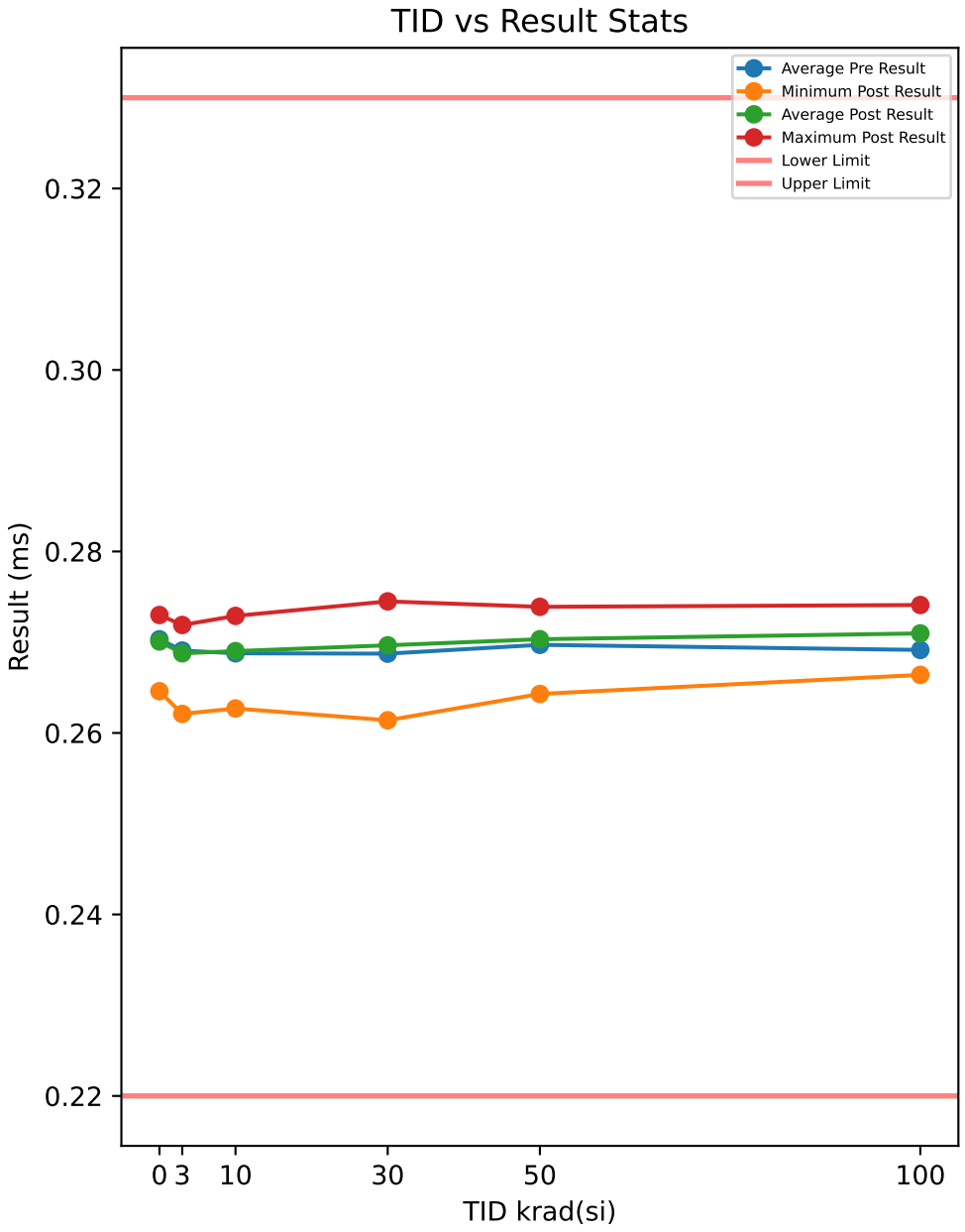
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

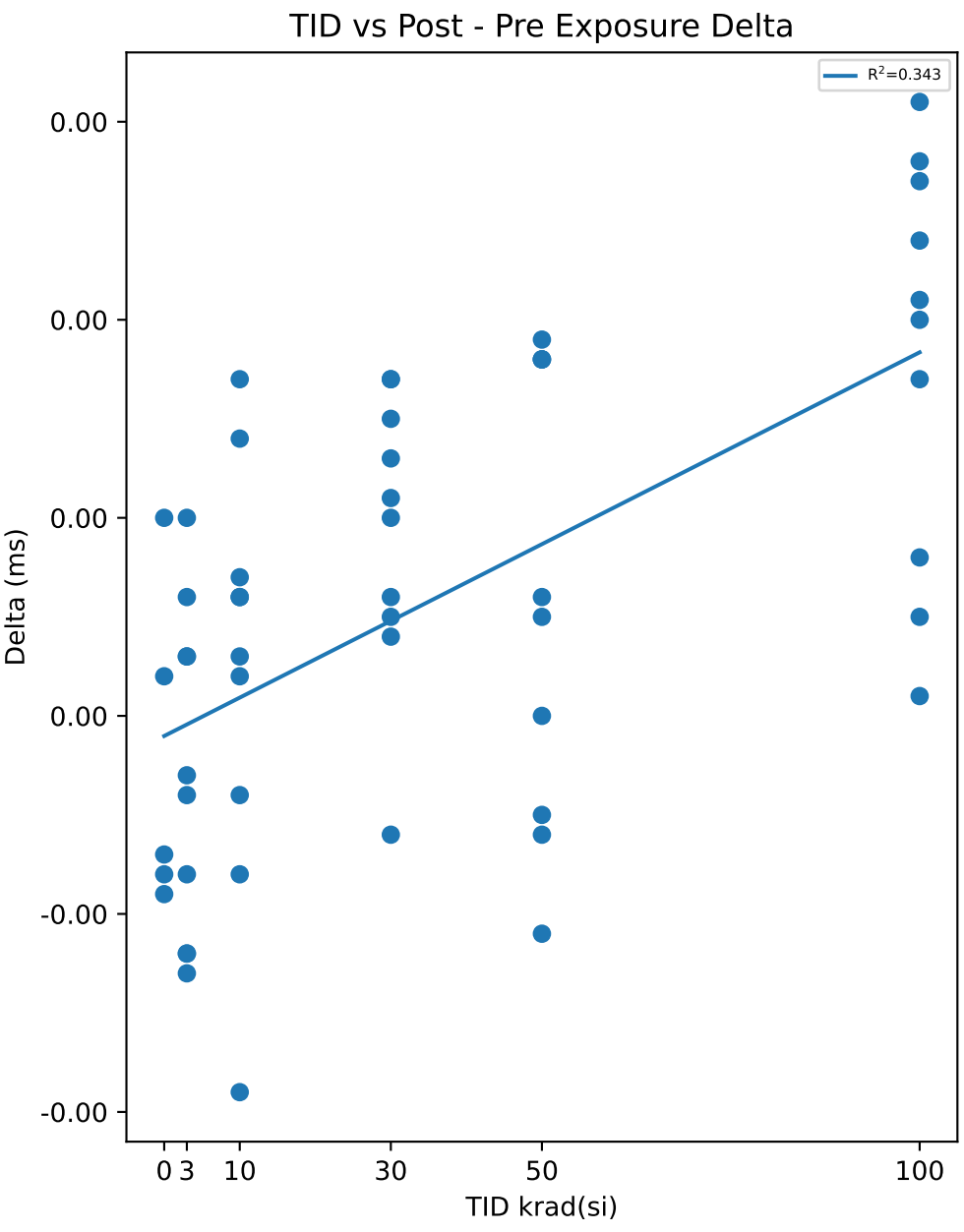
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2605	0.2609	0.0004
2	3	Biased	0.2713	0.2701	-0.0012
3	3	Biased	0.2705	0.2708	0.0003
4	3	Biased	0.2715	0.2713	-0.0002
5	3	Biased	0.263	0.2639	0.0009
6	3	Unbiased	0.2709	0.2702	-0.0007
7	3	Unbiased	0.2717	0.272	0.0003
8	3	Unbiased	0.264	0.2654	0.0014
9	3	Unbiased	0.2719	0.2724	0.0005
10	3	Unbiased	0.2705	0.2701	-0.0004
11	10	Biased	0.2727	0.2718	-0.0009
12	10	Biased	0.271	0.2716	0.0006
13	10	Biased	0.2714	0.2724	0.001
14	10	Biased	0.2634	0.2644	0.001
15	10	Biased	0.2704	0.271	0.0006
16	10	Unbiased	0.2636	0.2646	0.001
17	10	Unbiased	0.2703	0.2716	0.0013
18	10	Unbiased	0.2629	0.263	0.0001
19	10	Unbiased	0.272	0.2719	-0.0001
20	10	Unbiased	0.2698	0.2707	0.0009
21	30	Biased	0.2726	0.2735	0.0009
22	30	Biased	0.2718	0.273	0.0012
23	30	Biased	0.2707	0.2713	0.0006
24	30	Biased	0.2631	0.2643	0.0012
25	30	Biased	0.2604	0.2608	0.0004
26	30	Unbiased	0.2726	0.272	-0.0006
27	30	Unbiased	0.2626	0.2635	0.0009
28	30	Unbiased	0.2684	0.2698	0.0014
29	30	Unbiased	0.2727	0.2733	0.0006
30	30	Unbiased	0.2704	0.2727	0.0023
31	50	Biased	0.273	0.2733	0.0003
32	50	Biased	0.2692	0.2704	0.0012
33	50	Biased	0.2731	0.2739	0.0008
34	50	Biased	0.2641	0.266	0.0019
35	50	Biased	0.2658	0.2662	0.0004
36	50	Unbiased	0.2718	0.2739	0.0021
37	50	Unbiased	0.2633	0.2649	0.0016
38	50	Unbiased	0.2724	0.2731	0.0007
39	50	Unbiased	0.2732	0.2732	0
40	50	Unbiased	0.2716	0.2706	-0.001
41	100	Biased	0.2687	0.2728	0.0041
42	100	Biased	0.2708	0.2721	0.0013
43	100	Biased	0.2716	0.2724	0.0008
44	100	Biased	0.2698	0.2734	0.0036
45	100	Biased	0.2643	0.2659	0.0016
46	100	Unbiased	0.272	0.2729	0.0009
47	100	Unbiased	0.2688	0.2709	0.0021
48	100	Unbiased	0.2702	0.2719	0.0017
49	100	Unbiased	0.2724	0.2715	-0.0009
50	100	Unbiased	0.2654	0.2673	0.0019
51	0	Correlation	0.2716	0.271	-0.0006
53	0	Correlation	0.2694	0.269	-0.0004
54	0	Correlation	0.2646	0.2638	-0.0008
55	0	Correlation	0.2702	0.2698	-0.0004
56	0	Correlation	0.2728	0.2726	-0.0002

Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2646	0.26972	0.2728	0.0031452	0.2638	0.26924	0.2726	0.0033299	-0.0008	-0.00048	-0.0002	0.00022804
3	0.2605	0.26858	0.2719	0.0043055	0.2609	0.26871	0.2724	0.0038971	-0.0012	0.00013	0.0014	0.00076891
10	0.2629	0.26875	0.2727	0.0038564	0.263	0.2693	0.2724	0.0037094	-0.0009	0.00055	0.0013	0.00066875
30	0.2604	0.26853	0.2727	0.0047162	0.2608	0.26942	0.2735	0.0047279	-0.0006	0.00089	0.0023	0.00075048
50	0.2633	0.26975	0.2732	0.0039124	0.2649	0.27055	0.2739	0.0035762	-0.001	0.0008	0.0021	0.00094281
100	0.2643	0.2694	0.2724	0.0027125	0.2659	0.27111	0.2734	0.002504	-0.0009	0.00171	0.0041	0.0014122

Device Test: 5.62; DLY_TMR_10KOHM





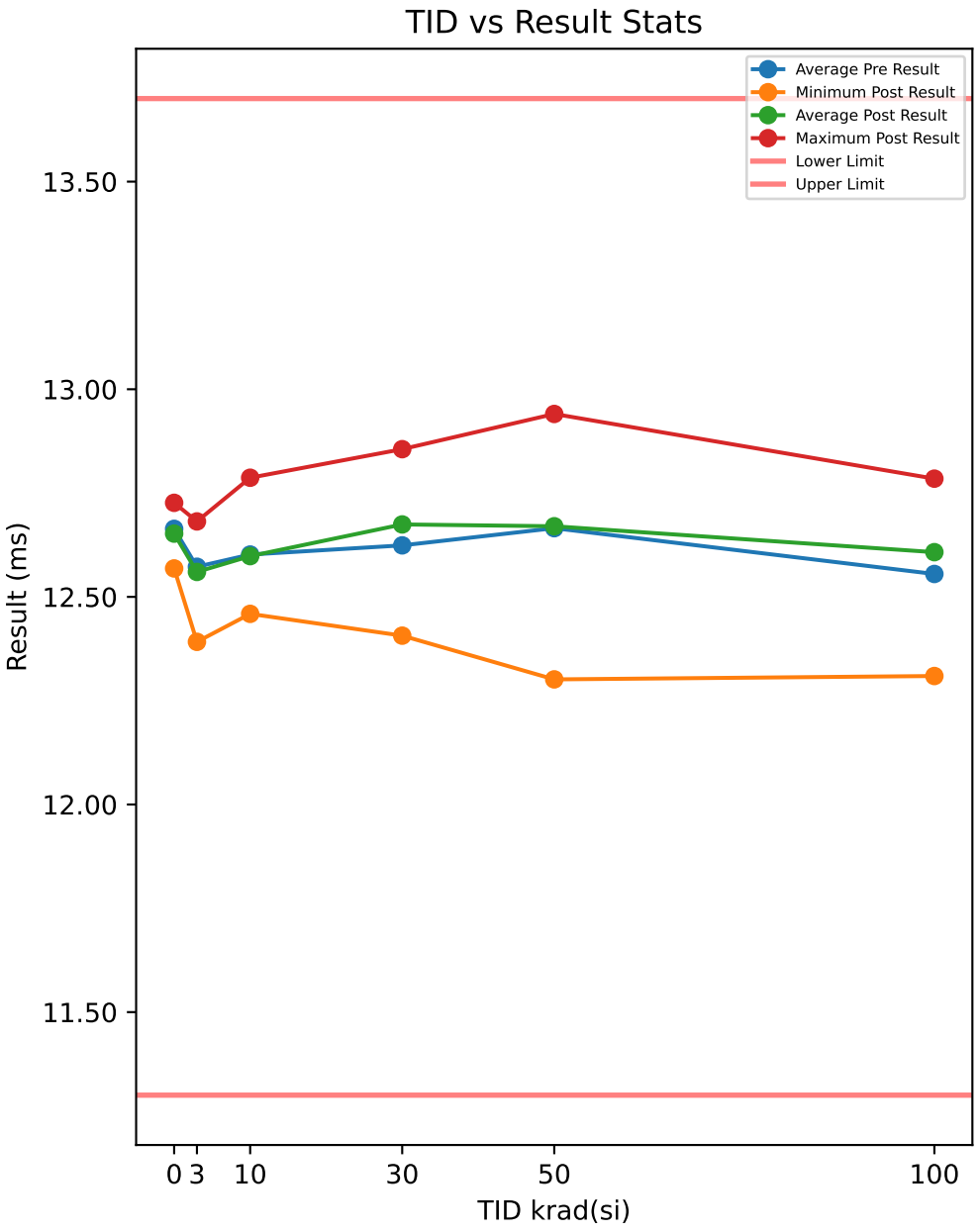
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

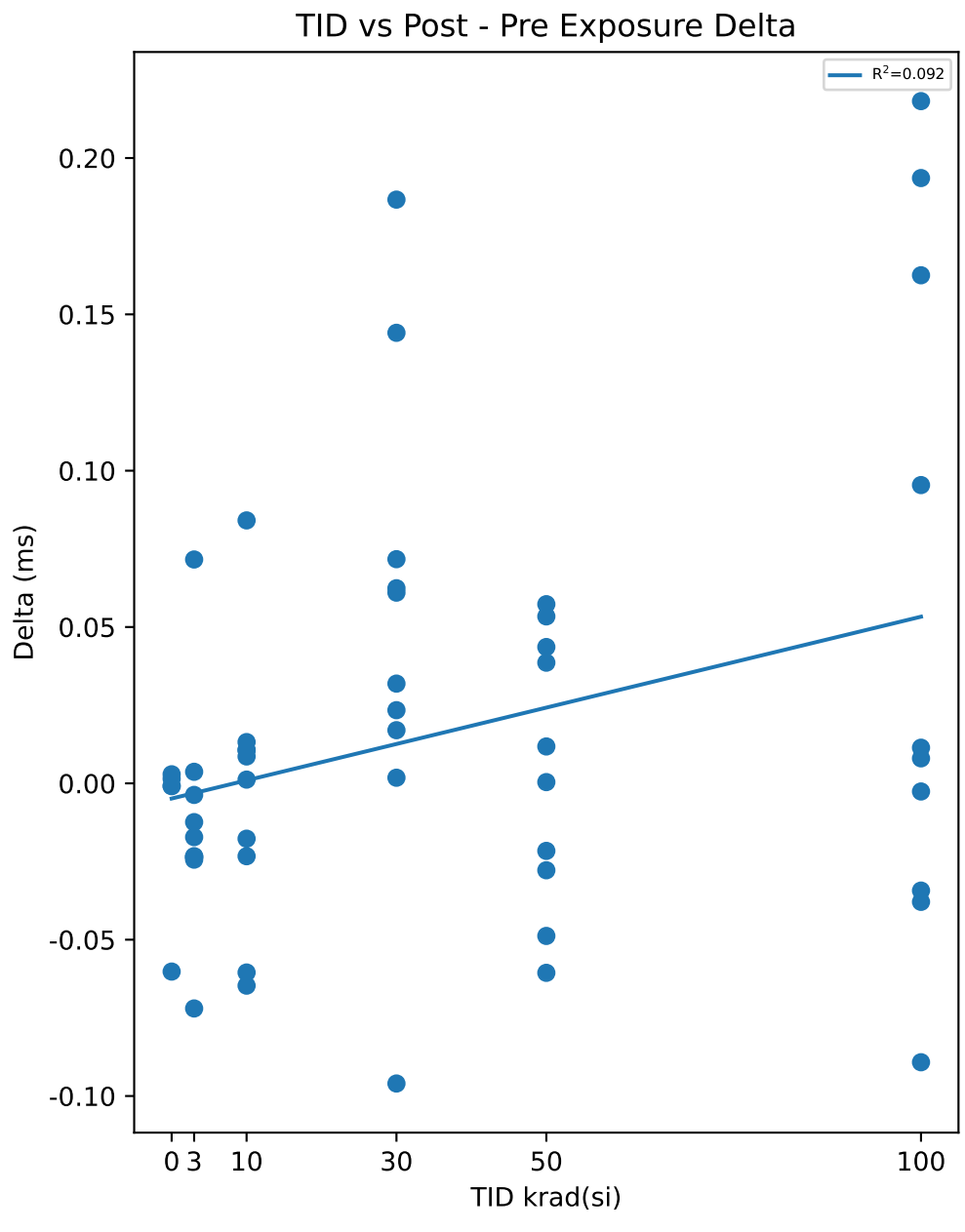
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2611	0.2621	0.001
2	3	Biased	0.2714	0.2717	0.0003
3	3	Biased	0.2707	0.2713	0.0006
4	3	Biased	0.2727	0.2715	-0.0012
5	3	Biased	0.2635	0.2622	-0.0013
6	3	Unbiased	0.271	0.2706	-0.0004
7	3	Unbiased	0.2716	0.2719	0.0003
8	3	Unbiased	0.2652	0.2649	-0.0003
9	3	Unbiased	0.2721	0.2713	-0.0008
10	3	Unbiased	0.2715	0.2703	-0.0012
11	10	Biased	0.2712	0.2729	0.0017
12	10	Biased	0.2713	0.2705	-0.0008
13	10	Biased	0.2708	0.2715	0.0007
14	10	Biased	0.2647	0.2649	0.0002
15	10	Biased	0.2703	0.2706	0.0003
16	10	Unbiased	0.2644	0.265	0.0006
17	10	Unbiased	0.27	0.2714	0.0014
18	10	Unbiased	0.2621	0.2627	0.0006
19	10	Unbiased	0.2721	0.2717	-0.0004
20	10	Unbiased	0.2709	0.269	-0.0019
21	30	Biased	0.2726	0.2743	0.0017
22	30	Biased	0.2735	0.2745	0.001
23	30	Biased	0.2711	0.2705	-0.0006
24	30	Biased	0.2633	0.2638	0.0005
25	30	Biased	0.2603	0.2614	0.0011
26	30	Unbiased	0.2711	0.2717	0.0006
27	30	Unbiased	0.2634	0.2647	0.0013
28	30	Unbiased	0.2692	0.2696	0.0004
29	30	Unbiased	0.2714	0.2729	0.0015
30	30	Unbiased	0.2715	0.2732	0.0017
31	50	Biased	0.2744	0.2733	-0.0011
32	50	Biased	0.2692	0.2697	0.0005
33	50	Biased	0.2722	0.2728	0.0006
34	50	Biased	0.2648	0.2666	0.0018
35	50	Biased	0.2663	0.2663	0
36	50	Unbiased	0.2721	0.2739	0.0018
37	50	Unbiased	0.2624	0.2643	0.0019
38	50	Unbiased	0.2732	0.2727	-0.0005
39	50	Unbiased	0.2719	0.2737	0.0018
40	50	Unbiased	0.2706	0.27	-0.0006
41	100	Biased	0.2687	0.2715	0.0028
42	100	Biased	0.2701	0.2718	0.0017
43	100	Biased	0.2719	0.2724	0.0005
44	100	Biased	0.2698	0.2718	0.002
45	100	Biased	0.2643	0.2664	0.0021
46	100	Unbiased	0.271	0.2741	0.0031
47	100	Unbiased	0.2692	0.2716	0.0024
48	100	Unbiased	0.2711	0.2719	0.0008
49	100	Unbiased	0.2715	0.2716	0.0001
50	100	Unbiased	0.2639	0.2666	0.0027
51	0	Correlation	0.2726	0.2728	0.0002
53	0	Correlation	0.2698	0.2691	-0.0007
54	0	Correlation	0.2655	0.2646	-0.0009
55	0	Correlation	0.2717	0.2709	-0.0008
56	0	Correlation	0.272	0.273	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	0.2655	0.27032	0.2726	0.0028908	0.2646	0.27008	0.273	0.0034492	-0.0009	-0.00024	0.001	0.00082037
3	0.2611	0.26908	0.2727	0.0041633	0.2621	0.26878	0.2719	0.0040408	-0.0013	-0.0003	0.001	0.00082327
10	0.2621	0.26878	0.2721	0.003591	0.2627	0.26902	0.2729	0.0035248	-0.0019	0.00024	0.0017	0.0010554
30	0.2603	0.26874	0.2735	0.0046301	0.2614	0.26966	0.2745	0.0047143	-0.0006	0.00092	0.0017	0.00071461
50	0.2624	0.26971	0.2744	0.0039596	0.2643	0.27033	0.2739	0.0035223	-0.0011	0.00062	0.0019	0.0011507
100	0.2639	0.26915	0.2719	0.0028465	0.2664	0.27097	0.2741	0.0024752	0.0001	0.00182	0.0031	0.0010315

Device Test: 5.63; DLY_TMR_500KOHM





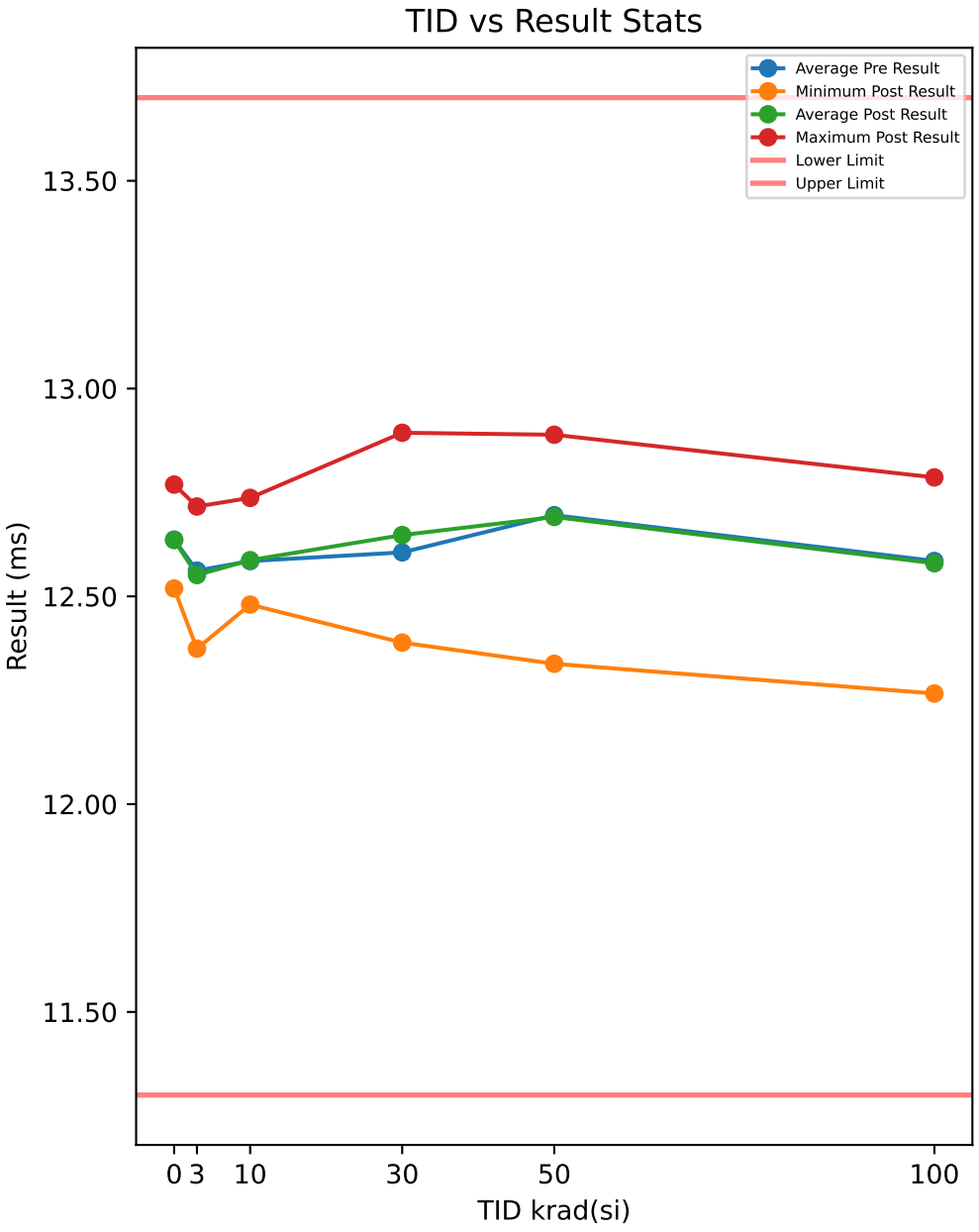
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

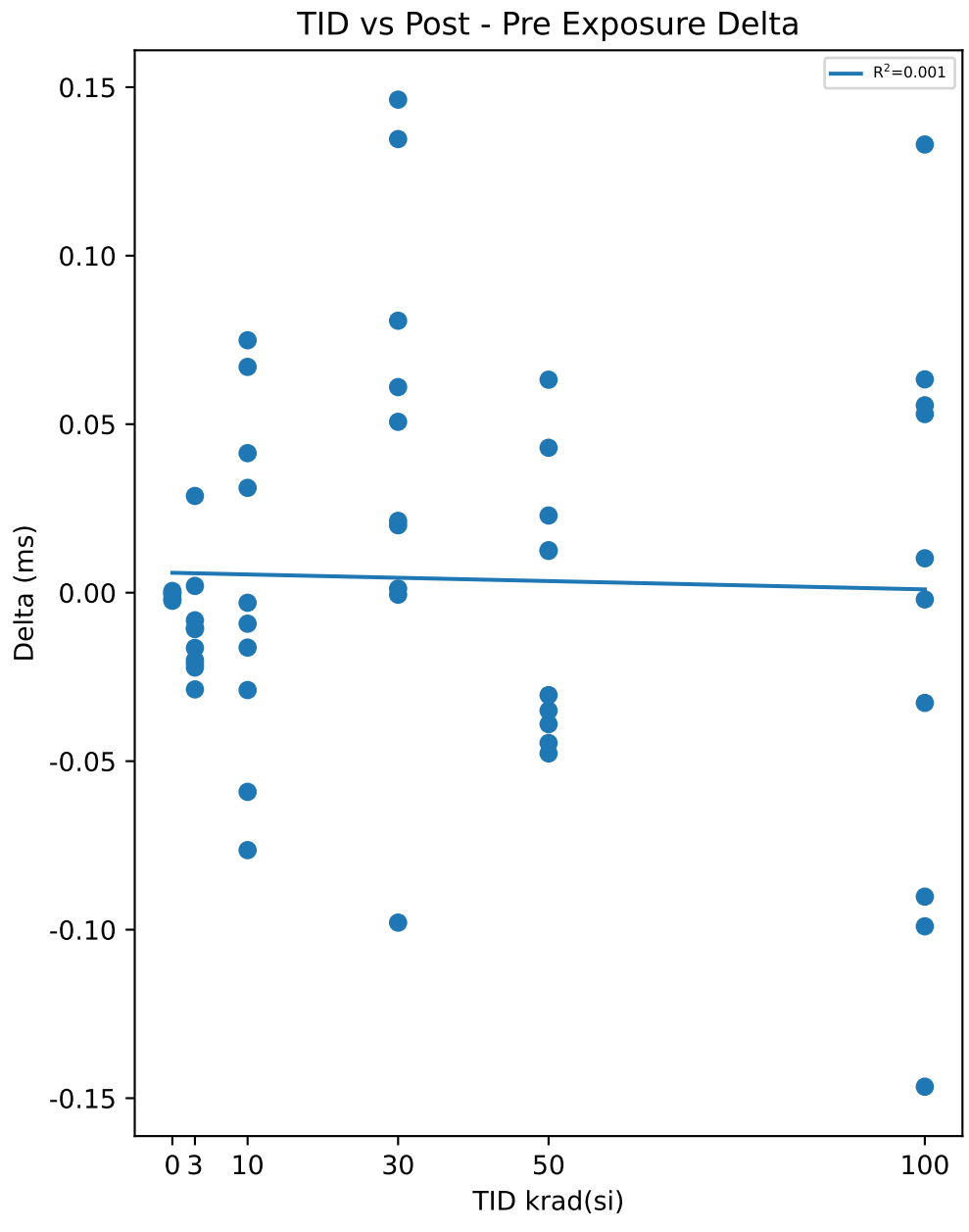
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.332	12.403	0.0716
2	3	Biased	12.568	12.544	-0.0244
3	3	Biased	12.702	12.678	-0.0233
4	3	Biased	12.672	12.649	-0.0236
5	3	Biased	12.404	12.392	-0.0124
6	3	Unbiased	12.494	12.471	-0.0235
7	3	Unbiased	12.737	12.665	-0.072
8	3	Unbiased	12.678	12.682	0.0037
9	3	Unbiased	12.682	12.678	-0.0037
10	3	Unbiased	12.456	12.439	-0.0172
11	10	Biased	12.43	12.514	0.0841
12	10	Biased	12.697	12.636	-0.0605
13	10	Biased	12.477	12.459	-0.0177
14	10	Biased	12.69	12.701	0.0108
15	10	Biased	12.457	12.467	0.0105
16	10	Unbiased	12.74	12.717	-0.0233
17	10	Unbiased	12.786	12.787	0.0012
18	10	Unbiased	12.483	12.497	0.0132
19	10	Unbiased	12.667	12.675	0.0086
20	10	Unbiased	12.592	12.528	-0.0647
21	30	Biased	12.717	12.741	0.0234
22	30	Biased	12.604	12.635	0.0319
23	30	Biased	12.792	12.853	0.061
24	30	Biased	12.335	12.407	0.0717
25	30	Biased	12.554	12.555	0.0018
26	30	Unbiased	12.719	12.623	-0.096
27	30	Unbiased	12.513	12.657	0.1441
28	30	Unbiased	12.704	12.721	0.017
29	30	Unbiased	12.634	12.697	0.0624
30	30	Unbiased	12.669	12.856	0.1867
31	50	Biased	12.734	12.685	-0.0488
32	50	Biased	12.375	12.419	0.0436
33	50	Biased	12.774	12.713	-0.0606
34	50	Biased	12.887	12.941	0.0534
35	50	Biased	12.643	12.621	-0.0216
36	50	Unbiased	12.634	12.634	0.0004
37	50	Unbiased	12.329	12.301	-0.0278
38	50	Unbiased	12.776	12.788	0.0118
39	50	Unbiased	12.748	12.787	0.0386
40	50	Unbiased	12.754	12.811	0.0573
41	100	Biased	12.473	12.692	0.2182
42	100	Biased	12.467	12.464	-0.0026
43	100	Biased	12.495	12.59	0.0954
44	100	Biased	12.754	12.665	-0.0892
45	100	Biased	12.347	12.309	-0.0379
46	100	Unbiased	12.773	12.785	0.0114
47	100	Unbiased	12.743	12.751	0.008
48	100	Unbiased	12.354	12.547	0.1936
49	100	Unbiased	12.768	12.734	-0.0343
50	100	Unbiased	12.377	12.539	0.1625
51	0	Correlation	12.717	12.72	0.0029
53	0	Correlation	12.727	12.726	-0.0008
54	0	Correlation	12.567	12.569	0.0015
55	0	Correlation	12.678	12.677	-0.0009
56	0	Correlation	12.63	12.57	-0.0602

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	12.567	12.664	12.727	0.066328	12.569	12.652	12.726	0.078326	-0.0602	-0.0115	0.0029	0.027271
3	12.332	12.573	12.737	0.14257	12.392	12.56	12.682	0.12362	-0.072	-0.01248	0.0716	0.035711
10	12.43	12.602	12.786	0.13095	12.459	12.598	12.787	0.11857	-0.0647	-0.00378	0.0841	0.042307
30	12.335	12.624	12.792	0.13159	12.407	12.674	12.856	0.13427	-0.096	0.0504	0.1867	0.077495
50	12.329	12.665	12.887	0.17989	12.301	12.67	12.941	0.19014	-0.0606	0.00463	0.0573	0.043133
100	12.347	12.555	12.773	0.18309	12.309	12.608	12.785	0.14773	-0.0892	0.05251	0.2182	0.10739

Device Test: 5.64; DLY_TMR_500KOHM





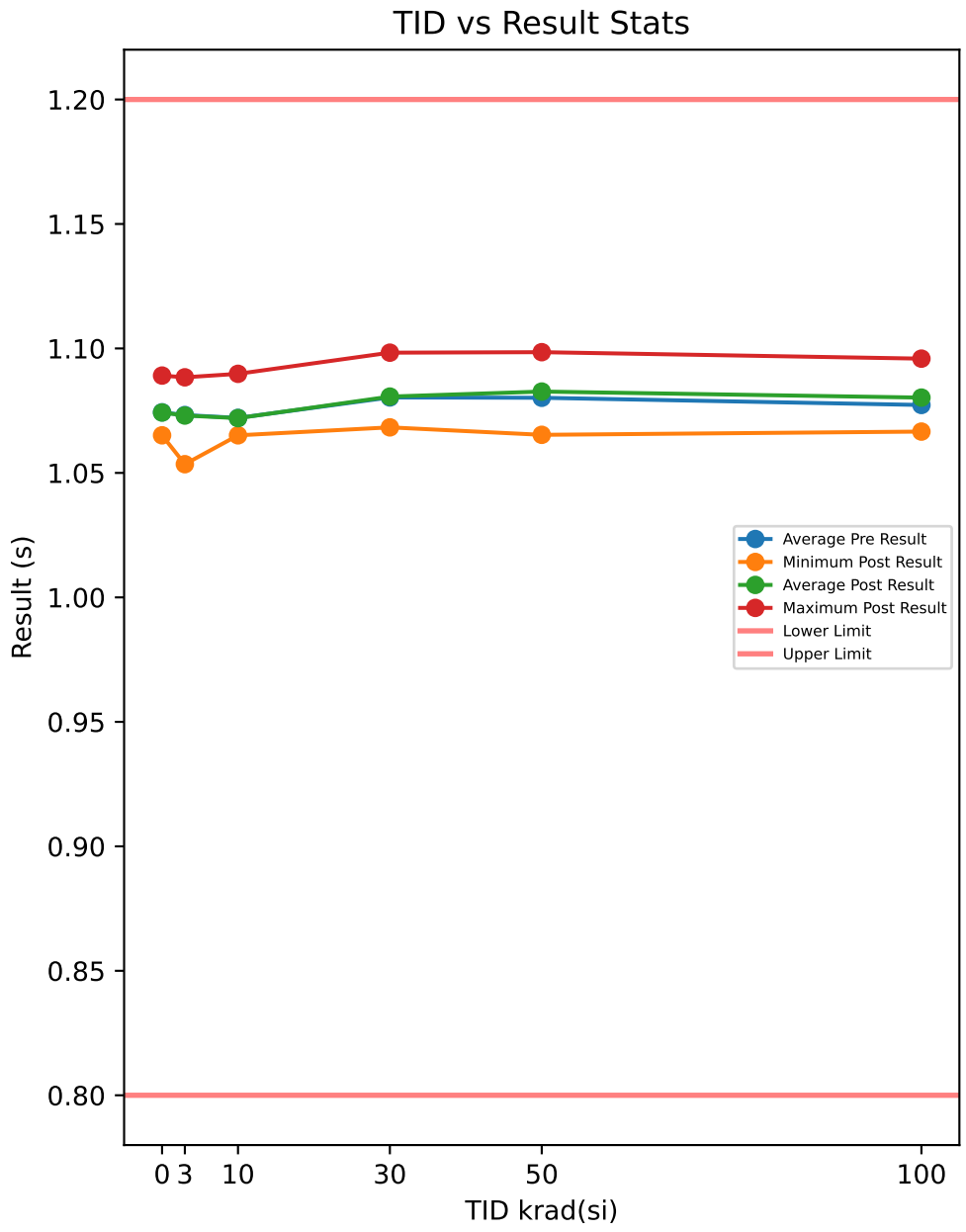
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.382	12.374	-0.0082
2	3	Biased	12.521	12.501	-0.02
3	3	Biased	12.653	12.633	-0.021
4	3	Biased	12.607	12.59	-0.0164
5	3	Biased	12.456	12.445	-0.0108
6	3	Unbiased	12.535	12.537	0.002
7	3	Unbiased	12.688	12.716	0.0287
8	3	Unbiased	12.632	12.61	-0.0222
9	3	Unbiased	12.636	12.607	-0.0287
10	3	Unbiased	12.51	12.5	-0.0104
11	10	Biased	12.482	12.549	0.067
12	10	Biased	12.637	12.578	-0.0591
13	10	Biased	12.524	12.515	-0.0092
14	10	Biased	12.643	12.626	-0.0163
15	10	Biased	12.48	12.522	0.0414
16	10	Unbiased	12.692	12.689	-0.003
17	10	Unbiased	12.766	12.737	-0.0289
18	10	Unbiased	12.452	12.527	0.0749
19	10	Unbiased	12.618	12.649	0.0311
20	10	Unbiased	12.557	12.48	-0.0764
21	30	Biased	12.668	12.803	0.1346
22	30	Biased	12.556	12.577	0.0213
23	30	Biased	12.843	12.894	0.0507
24	30	Biased	12.387	12.389	0.0012
25	30	Biased	12.507	12.506	-0.0006
26	30	Unbiased	12.672	12.574	-0.0979
27	30	Unbiased	12.467	12.613	0.1463
28	30	Unbiased	12.654	12.674	0.02
29	30	Unbiased	12.586	12.647	0.061
30	30	Unbiased	12.718	12.799	0.0807
31	50	Biased	12.785	12.737	-0.0477
32	50	Biased	12.427	12.392	-0.035
33	50	Biased	12.738	12.761	0.0229
34	50	Biased	12.928	12.889	-0.039
35	50	Biased	12.651	12.664	0.0124
36	50	Unbiased	12.586	12.599	0.0126
37	50	Unbiased	12.382	12.338	-0.0446
38	50	Unbiased	12.854	12.823	-0.0304
39	50	Unbiased	12.798	12.841	0.043
40	50	Unbiased	12.804	12.867	0.0632
41	100	Biased	12.527	12.66	0.133
42	100	Biased	12.508	12.518	0.0102
43	100	Biased	12.545	12.543	-0.002
44	100	Biased	12.704	12.614	-0.0902
45	100	Biased	12.413	12.266	-0.1466
46	100	Unbiased	12.827	12.728	-0.099
47	100	Unbiased	12.674	12.73	0.0556
48	100	Unbiased	12.405	12.458	0.053
49	100	Unbiased	12.819	12.786	-0.0327
50	100	Unbiased	12.43	12.494	0.0633
51	0	Correlation	12.769	12.769	-0.0004
53	0	Correlation	12.68	12.68	0
54	0	Correlation	12.521	12.519	-0.0024
55	0	Correlation	12.63	12.628	-0.0018
56	0	Correlation	12.582	12.582	0.0005

Test Statistics (ms)

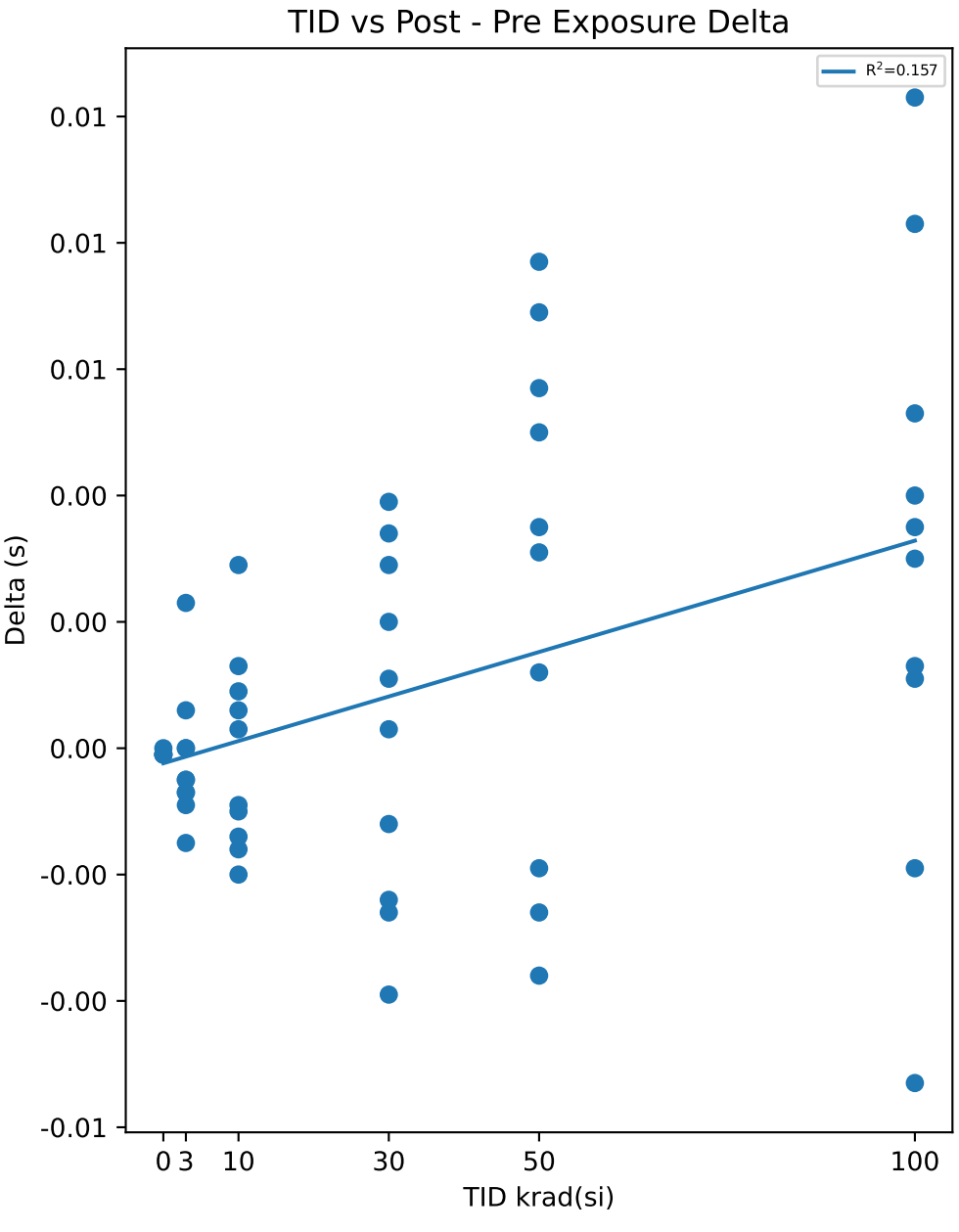
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.521	12.636	12.769	0.094633	12.519	12.636	12.769	0.09519	-0.0024	-0.00082	0.0005	0.0012296
3	12.382	12.562	12.688	0.097237	12.374	12.551	12.716	0.099949	-0.0287	-0.0107	0.0287	0.016334
10	12.452	12.585	12.766	0.10282	12.48	12.587	12.737	0.084578	-0.0764	0.00215	0.0749	0.050836
30	12.387	12.606	12.843	0.13295	12.389	12.648	12.894	0.15165	-0.0979	0.04173	0.1463	0.070986
50	12.382	12.695	12.928	0.18105	12.338	12.691	12.889	0.1945	-0.0477	-0.00426	0.0632	0.040046
100	12.405	12.585	12.827	0.1606	12.266	12.58	12.786	0.15643	-0.1466	-0.00554	0.133	0.086856

Device Test: 5.65; WD_TMR_500KOHM



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

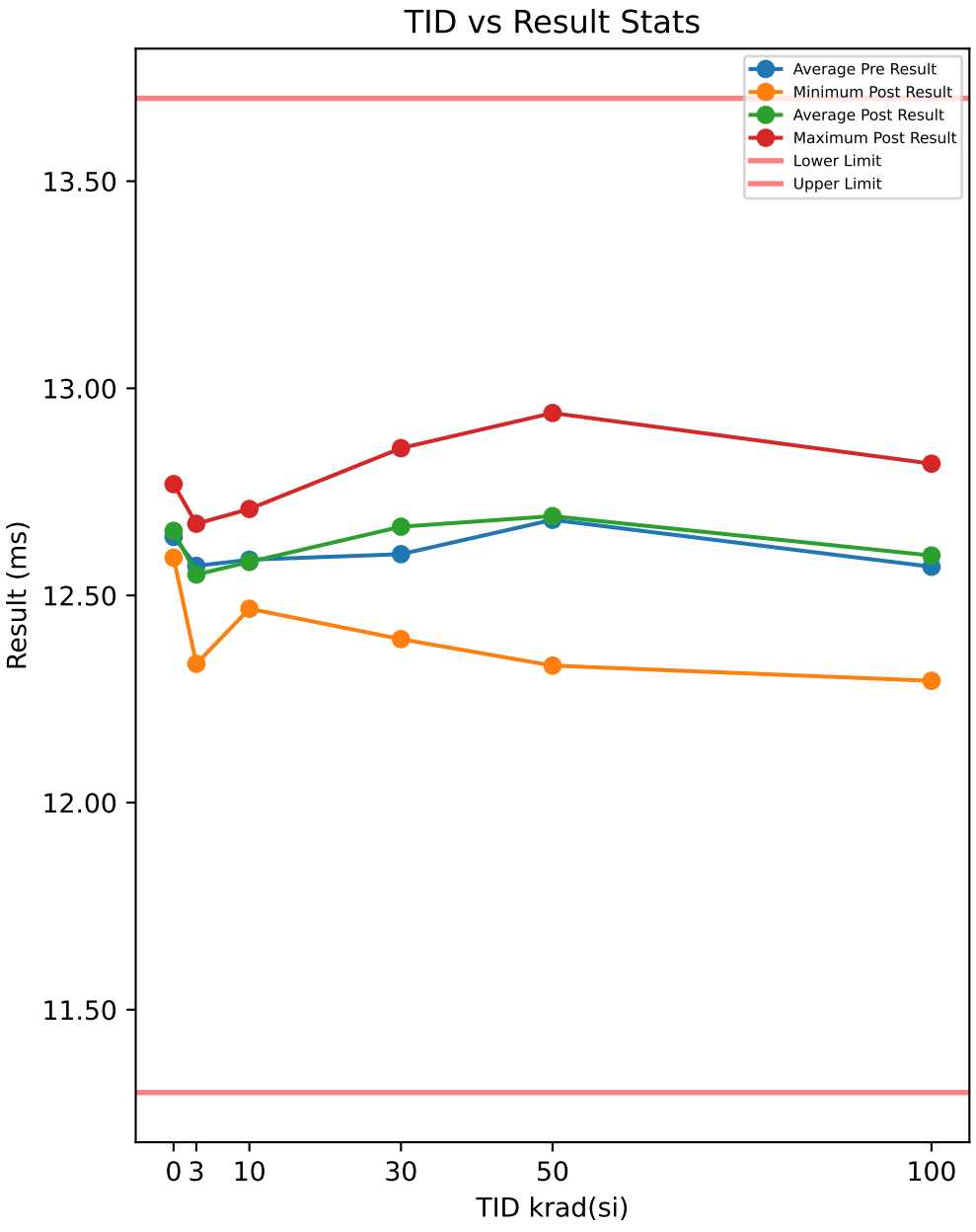
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.0753	1.0748	-0.0005
2	3	Biased	1.0544	1.0535	-0.0009
3	3	Biased	1.0642	1.0642	0
4	3	Biased	1.0891	1.0884	-0.0007
5	3	Biased	1.0678	1.0673	-0.0005
6	3	Unbiased	1.0839	1.0845	0.0006
7	3	Unbiased	1.074	1.0725	-0.0015
8	3	Unbiased	1.056	1.0553	-0.0007
9	3	Unbiased	1.084	1.084	0
10	3	Unbiased	1.0837	1.086	0.0023
11	10	Biased	1.0684	1.0664	-0.002
12	10	Biased	1.0749	1.0739	-0.001
13	10	Biased	1.0895	1.0898	0.0003
14	10	Biased	1.0668	1.0654	-0.0014
15	10	Biased	1.0673	1.0664	-0.0009
16	10	Unbiased	1.0735	1.0744	0.0009
17	10	Unbiased	1.0622	1.0651	0.0029
18	10	Unbiased	1.0788	1.0772	-0.0016
19	10	Unbiased	1.0714	1.0727	0.0013
20	10	Unbiased	1.0681	1.0687	0.0006
21	30	Biased	1.0715	1.0691	-0.0024
22	30	Biased	1.0943	1.0904	-0.0039
23	30	Biased	1.089	1.0924	0.0034
24	30	Biased	1.0759	1.0788	0.0029
25	30	Biased	1.0833	1.0807	-0.0026
26	30	Unbiased	1.0663	1.0683	0.002
27	30	Unbiased	1.0734	1.0722	-0.0012
28	30	Unbiased	1.0746	1.0749	0.0003
29	30	Unbiased	1.0944	1.0983	0.0039
30	30	Unbiased	1.0804	1.0815	0.0011
31	50	Biased	1.0843	1.0855	0.0012
32	50	Biased	1.0809	1.084	0.0031
33	50	Biased	1.0869	1.0904	0.0035
34	50	Biased	1.0774	1.0755	-0.0019
35	50	Biased	1.0916	1.0985	0.0069
36	50	Unbiased	1.0689	1.0653	-0.0036
37	50	Unbiased	1.0881	1.0931	0.005
38	50	Unbiased	1.0771	1.0745	-0.0026
39	50	Unbiased	1.0762	1.0839	0.0077
40	50	Unbiased	1.0704	1.0761	0.0057
41	100	Biased	1.0818	1.0829	0.0011
42	100	Biased	1.0824	1.0854	0.003
43	100	Biased	1.0676	1.0711	0.0035
44	100	Biased	1.0685	1.0788	0.0103
45	100	Biased	1.0768	1.0821	0.0053
46	100	Unbiased	1.071	1.0723	0.0013
47	100	Unbiased	1.0626	1.0666	0.004
48	100	Unbiased	1.0861	1.0808	-0.0053
49	100	Unbiased	1.0978	1.0959	-0.0019
50	100	Unbiased	1.0783	1.0866	0.0083
51	0	Correlation	1.0774	1.0773	-0.0001
53	0	Correlation	1.0669	1.0668	-0.0001
54	0	Correlation	1.0731	1.073	-0.0001
55	0	Correlation	1.0651	1.0651	0
56	0	Correlation	1.0892	1.0891	-0.0001

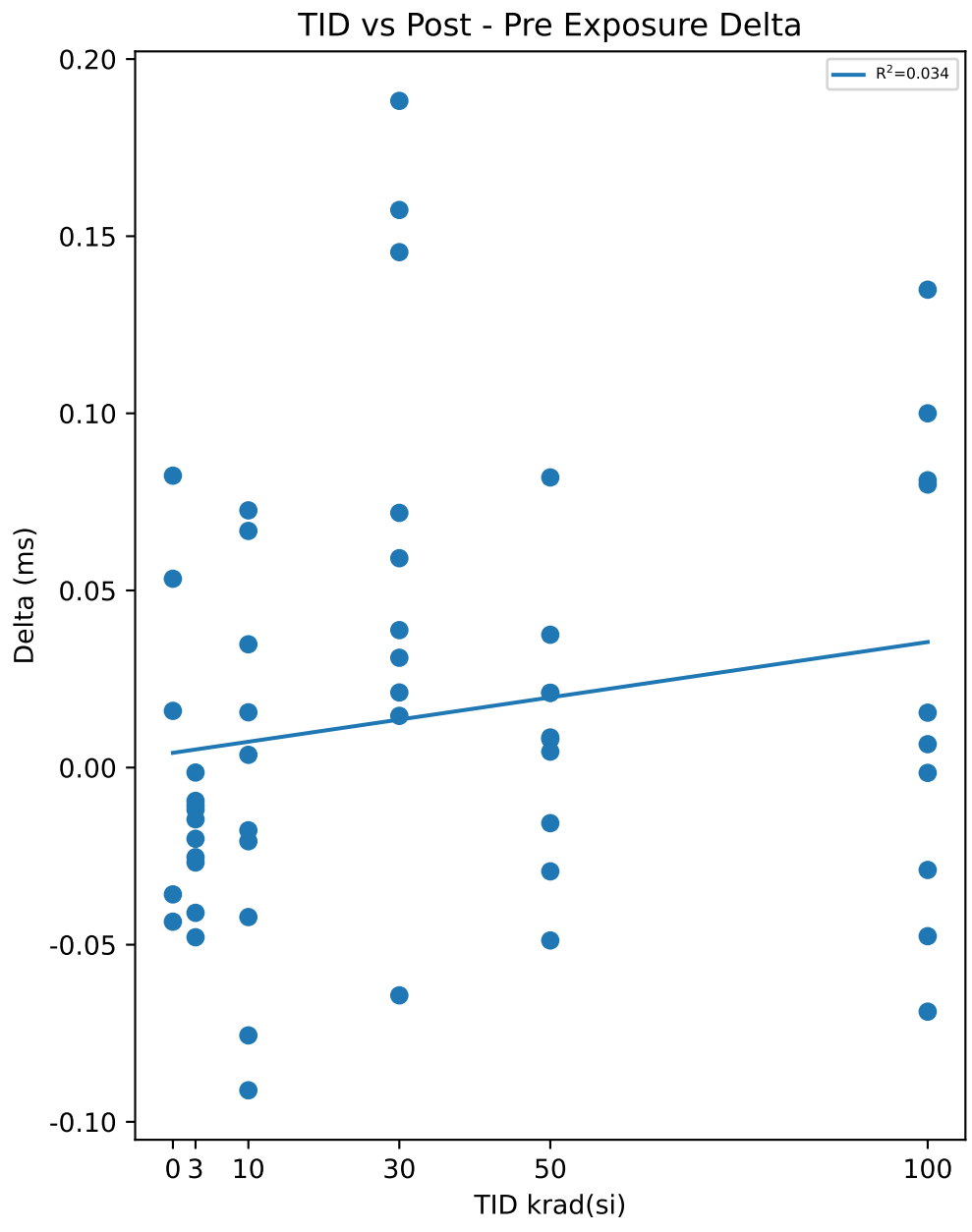


Test Statistics (s)

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	1.0651	1.0743	1.0892	0.0096495	1.0651	1.0743	1.0891	0.0096256	-0.0001	-8e-05	0	4.4721e-05
3	1.0544	1.0732	1.0891	0.012287	1.0535	1.073	1.0884	0.012764	-0.0015	-0.00019	0.0023	0.001045
10	1.0622	1.0721	1.0895	0.0077228	1.0651	1.072	1.0898	0.0075903	-0.002	-9e-05	0.0029	0.0015495
30	1.0663	1.0803	1.0944	0.009732	1.0683	1.0807	1.0983	0.010215	-0.0039	0.00035	0.0039	0.0027573
50	1.0689	1.0802	1.0916	0.0075405	1.0653	1.0827	1.0985	0.0099636	-0.0036	0.0025	0.0077	0.0040623
100	1.0626	1.0773	1.0978	0.010395	1.0666	1.0802	1.0959	0.0085496	-0.0053	0.00296	0.0103	0.004562

Device Test: 5.66; DLY_TMR_500KOHM





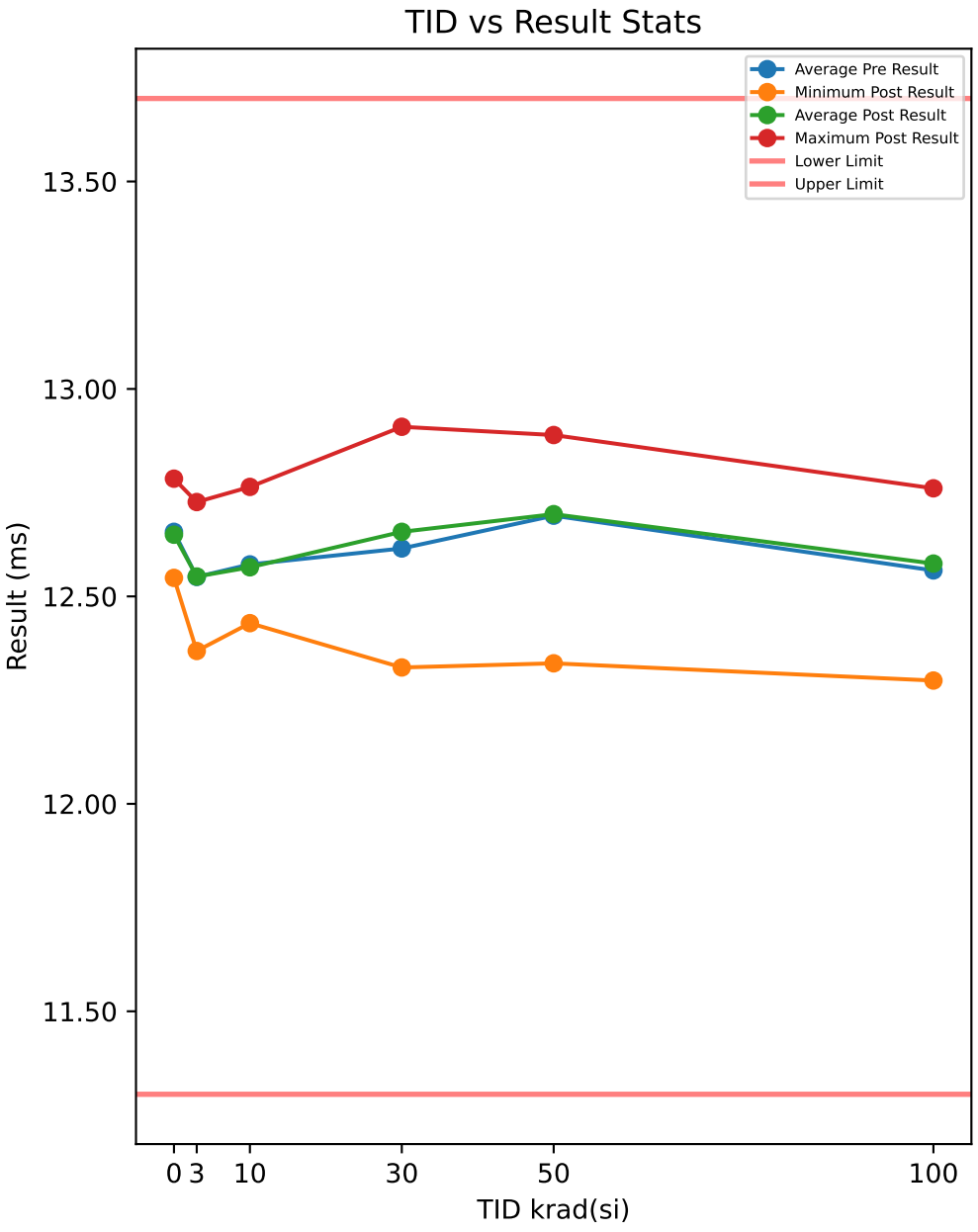
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

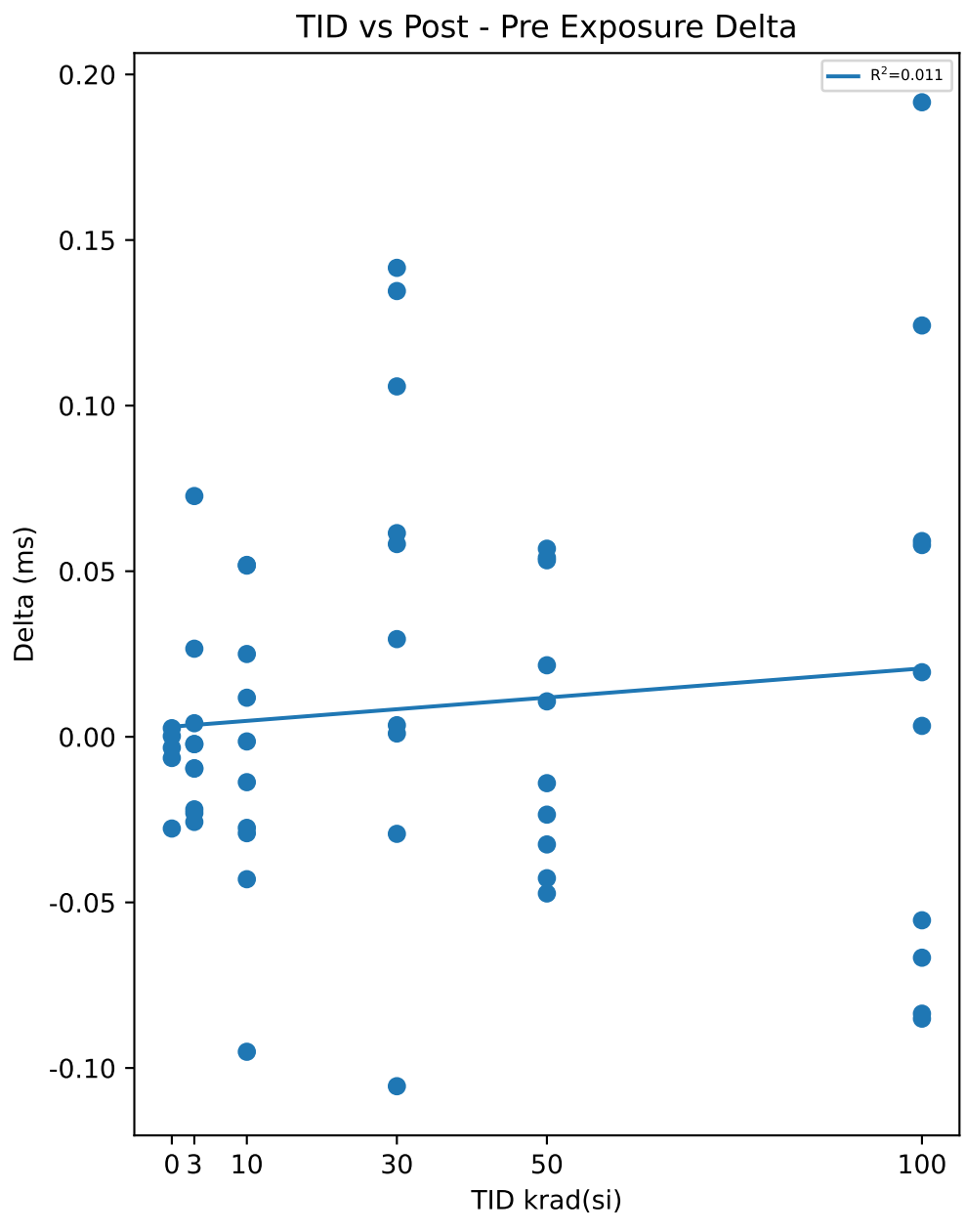
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.347	12.335	-0.0119
2	3	Biased	12.548	12.547	-0.0014
3	3	Biased	12.659	12.611	-0.0479
4	3	Biased	12.665	12.654	-0.0107
5	3	Biased	12.457	12.432	-0.0253
6	3	Unbiased	12.498	12.488	-0.0094
7	3	Unbiased	12.707	12.666	-0.041
8	3	Unbiased	12.639	12.619	-0.0201
9	3	Unbiased	12.688	12.673	-0.0146
10	3	Unbiased	12.507	12.48	-0.0268
11	10	Biased	12.433	12.468	0.0348
12	10	Biased	12.627	12.585	-0.0422
13	10	Biased	12.465	12.532	0.0668
14	10	Biased	12.699	12.681	-0.0177
15	10	Biased	12.48	12.496	0.0156
16	10	Unbiased	12.684	12.663	-0.0208
17	10	Unbiased	12.784	12.709	-0.0756
18	10	Unbiased	12.493	12.496	0.0036
19	10	Unbiased	12.62	12.693	0.0726
20	10	Unbiased	12.577	12.486	-0.0911
21	30	Biased	12.633	12.822	0.1882
22	30	Biased	12.544	12.603	0.0591
23	30	Biased	12.825	12.855	0.031
24	30	Biased	12.322	12.394	0.0719
25	30	Biased	12.521	12.542	0.0212
26	30	Unbiased	12.69	12.626	-0.0643
27	30	Unbiased	12.5	12.658	0.1574
28	30	Unbiased	12.658	12.696	0.0388
29	30	Unbiased	12.632	12.647	0.0146
30	30	Unbiased	12.671	12.816	0.1455
31	50	Biased	12.752	12.703	-0.0488
32	50	Biased	12.36	12.345	-0.0157
33	50	Biased	12.765	12.786	0.0211
34	50	Biased	12.858	12.94	0.0819
35	50	Biased	12.685	12.689	0.0045
36	50	Unbiased	12.641	12.649	0.0085
37	50	Unbiased	12.323	12.331	0.008
38	50	Unbiased	12.852	12.823	-0.0293
39	50	Unbiased	12.827	12.848	0.0211
40	50	Unbiased	12.763	12.8	0.0375
41	100	Biased	12.515	12.649	0.1349
42	100	Biased	12.428	12.444	0.0155
43	100	Biased	12.493	12.574	0.0811
44	100	Biased	12.663	12.616	-0.0476
45	100	Biased	12.363	12.294	-0.0689
46	100	Unbiased	12.824	12.795	-0.0289
47	100	Unbiased	12.712	12.719	0.0066
48	100	Unbiased	12.428	12.528	0.1
49	100	Unbiased	12.82	12.818	-0.0015
50	100	Unbiased	12.447	12.527	0.0799
51	0	Correlation	12.753	12.769	0.016
53	0	Correlation	12.688	12.652	-0.0358
54	0	Correlation	12.538	12.591	0.0533
55	0	Correlation	12.594	12.676	0.0824
56	0	Correlation	12.635	12.591	-0.0435

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	12.538	12.641	12.753	0.083034	12.591	12.656	12.769	0.073297	-0.0435	0.01448	0.0824	0.0548
3	12.347	12.571	12.707	0.11854	12.335	12.55	12.673	0.11392	-0.0479	-0.02091	-0.0014	0.014625
10	12.433	12.586	12.784	0.11669	12.468	12.581	12.709	0.096764	-0.0911	-0.0054	0.0726	0.055227
30	12.322	12.6	12.825	0.13556	12.394	12.666	12.855	0.14102	-0.0643	0.06634	0.1882	0.076942
50	12.323	12.683	12.858	0.19263	12.331	12.691	12.94	0.20474	-0.0488	0.00888	0.0819	0.036299
100	12.363	12.569	12.824	0.17095	12.294	12.596	12.818	0.16041	-0.0689	0.02711	0.1349	0.068267

Device Test: 5.67; DLY_TMR_500KOHM





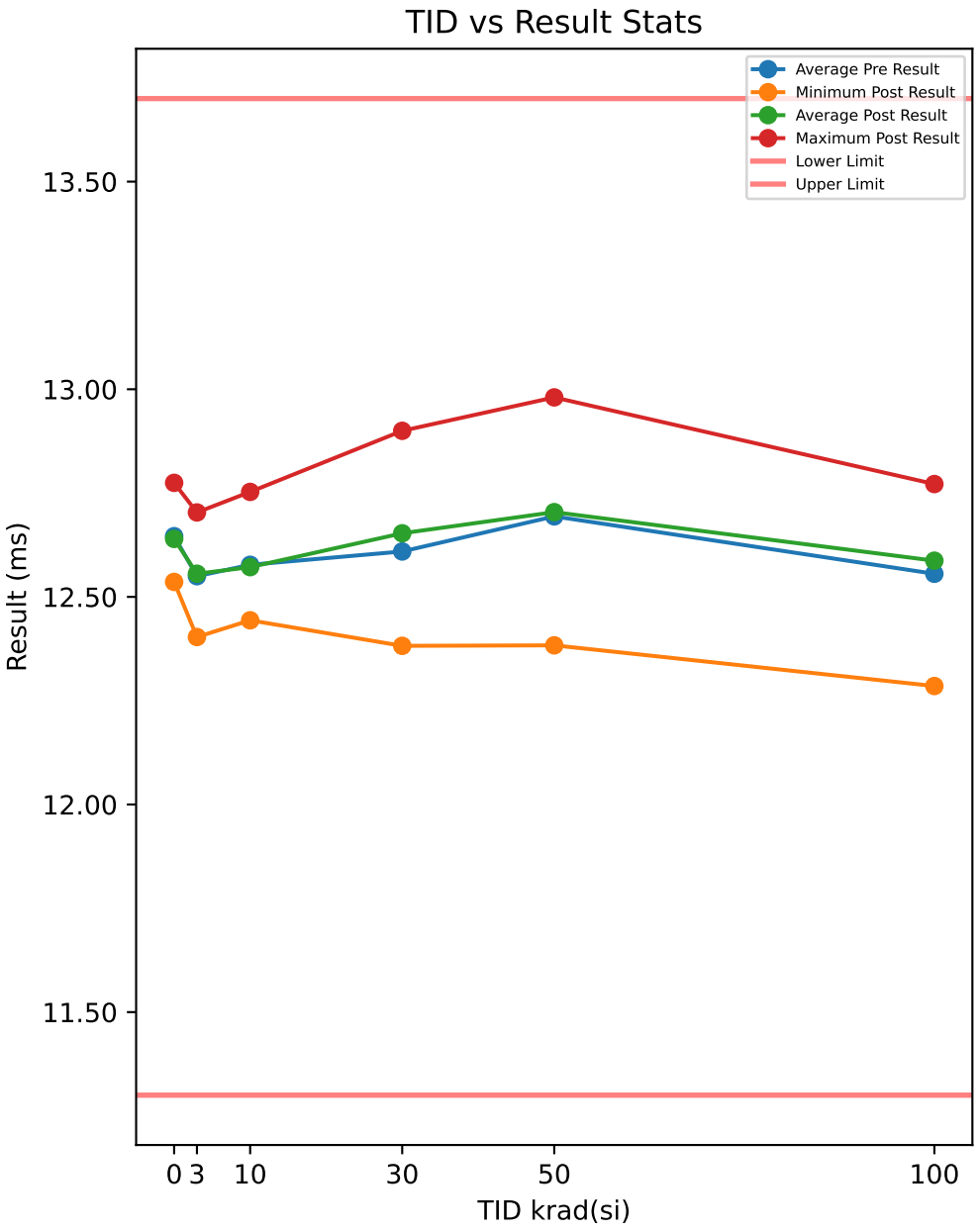
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

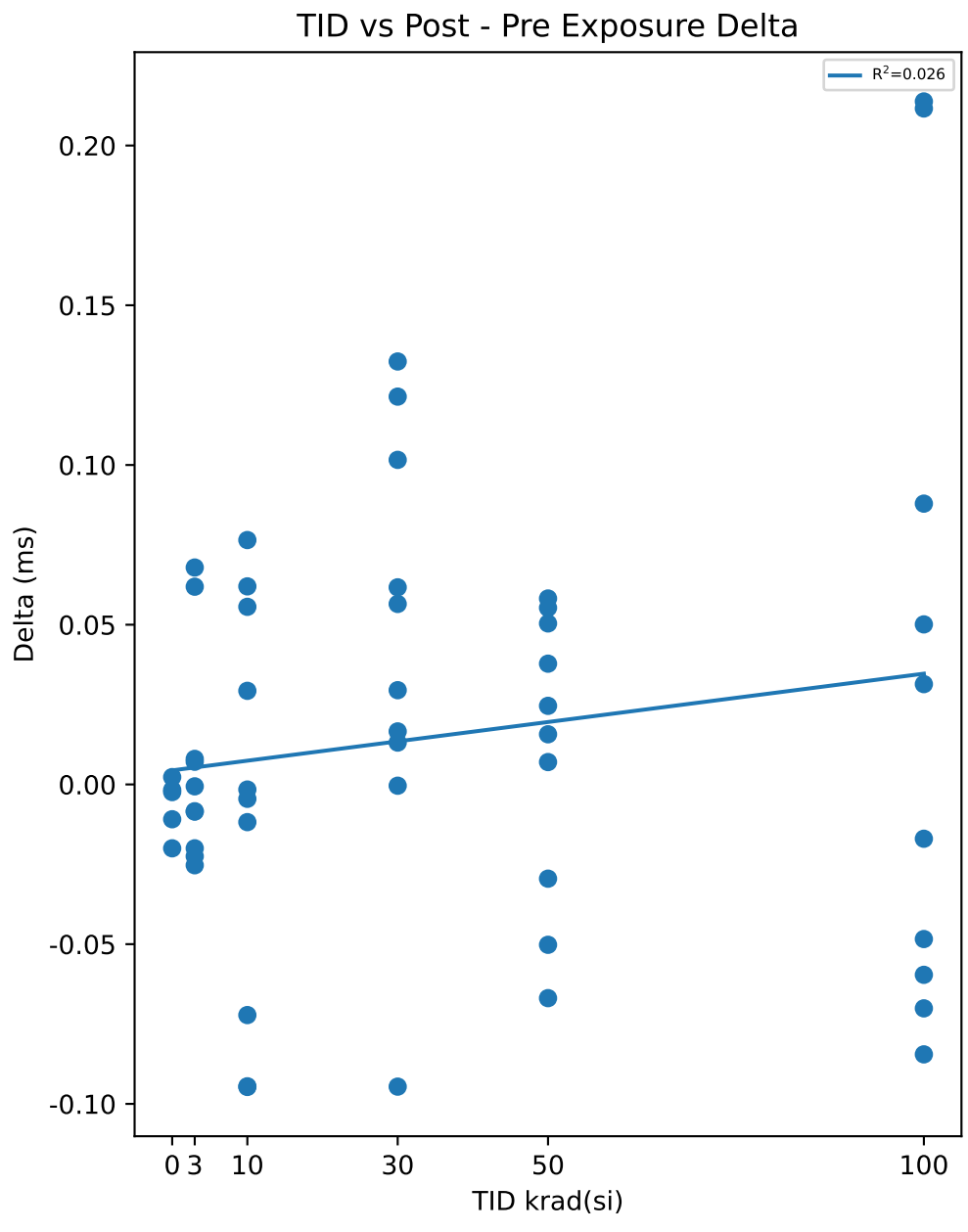
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.324	12.397	0.0727
2	3	Biased	12.527	12.525	-0.0022
3	3	Biased	12.672	12.65	-0.0219
4	3	Biased	12.632	12.608	-0.023
5	3	Biased	12.394	12.368	-0.0257
6	3	Unbiased	12.476	12.467	-0.0096
7	3	Unbiased	12.701	12.727	0.0266
8	3	Unbiased	12.65	12.654	0.0041
9	3	Unbiased	12.653	12.651	-0.0022
10	3	Unbiased	12.44	12.43	-0.0095
11	10	Biased	12.417	12.469	0.0517
12	10	Biased	12.64	12.597	-0.043
13	10	Biased	12.469	12.468	-0.0014
14	10	Biased	12.662	12.674	0.0118
15	10	Biased	12.463	12.435	-0.0275
16	10	Unbiased	12.711	12.682	-0.0291
17	10	Unbiased	12.778	12.764	-0.0137
18	10	Unbiased	12.414	12.466	0.0519
19	10	Unbiased	12.638	12.663	0.025
20	10	Unbiased	12.58	12.485	-0.0951
21	30	Biased	12.67	12.812	0.1416
22	30	Biased	12.579	12.608	0.0295
23	30	Biased	12.851	12.909	0.0582
24	30	Biased	12.328	12.329	0.001
25	30	Biased	12.534	12.505	-0.0293
26	30	Unbiased	12.688	12.582	-0.1055
27	30	Unbiased	12.495	12.63	0.1346
28	30	Unbiased	12.673	12.677	0.0035
29	30	Unbiased	12.606	12.667	0.0615
30	30	Unbiased	12.732	12.838	0.1058
31	50	Biased	12.796	12.749	-0.0473
32	50	Biased	12.362	12.339	-0.0235
33	50	Biased	12.753	12.775	0.0216
34	50	Biased	12.932	12.889	-0.0427
35	50	Biased	12.7	12.667	-0.0325
36	50	Unbiased	12.608	12.619	0.0107
37	50	Unbiased	12.324	12.378	0.0541
38	50	Unbiased	12.86	12.846	-0.014
39	50	Unbiased	12.797	12.85	0.0533
40	50	Unbiased	12.815	12.871	0.0568
41	100	Biased	12.456	12.648	0.1916
42	100	Biased	12.445	12.449	0.0033
43	100	Biased	12.477	12.536	0.0591
44	100	Biased	12.719	12.636	-0.0836
45	100	Biased	12.353	12.297	-0.0554
46	100	Unbiased	12.836	12.751	-0.0851
47	100	Unbiased	12.707	12.726	0.0195
48	100	Unbiased	12.344	12.468	0.1242
49	100	Unbiased	12.827	12.761	-0.0667
50	100	Unbiased	12.462	12.52	0.0579
51	0	Correlation	12.781	12.784	0.0026
53	0	Correlation	12.698	12.67	-0.0277
54	0	Correlation	12.544	12.545	0.0002
55	0	Correlation	12.65	12.647	-0.0033
56	0	Correlation	12.604	12.598	-0.0064

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	12.544	12.656	12.781	0.090242	12.545	12.649	12.784	0.089599	-0.0277	-0.00692	0.0026	0.012109
3	12.324	12.547	12.701	0.13254	12.368	12.548	12.727	0.12654	-0.0257	0.00093	0.0727	0.029556
10	12.414	12.577	12.778	0.12902	12.435	12.57	12.764	0.11882	-0.0951	-0.00694	0.0519	0.045135
30	12.328	12.616	12.851	0.14372	12.329	12.656	12.909	0.17011	-0.1055	0.04009	0.1416	0.076978
50	12.324	12.695	12.932	0.20485	12.339	12.698	12.889	0.19969	-0.0473	0.00365	0.0568	0.04124
100	12.344	12.563	12.836	0.1898	12.297	12.579	12.761	0.1513	-0.0851	0.01648	0.1916	0.093337

Device Test: 5.68; DLY_TMR_500KOHM





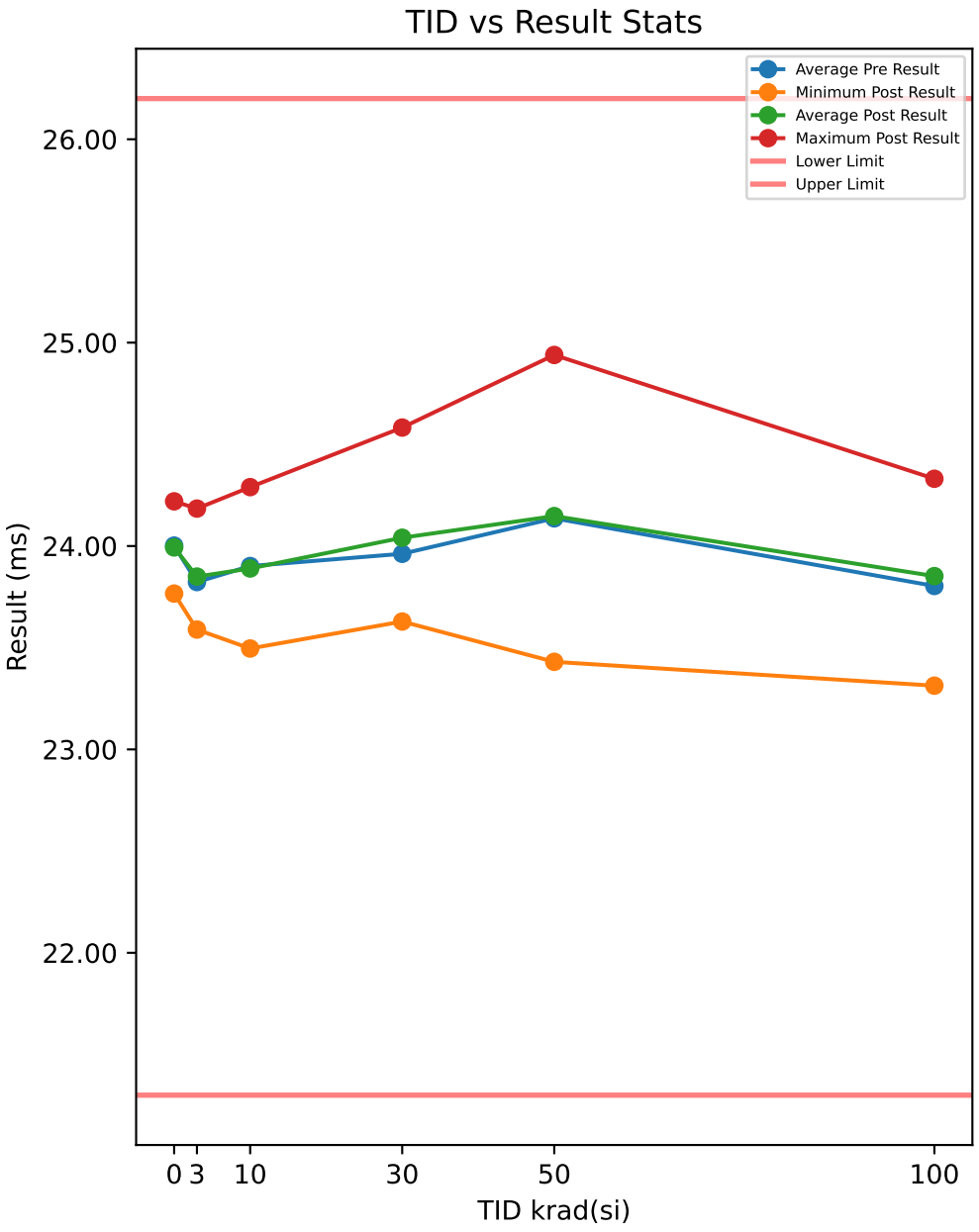
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

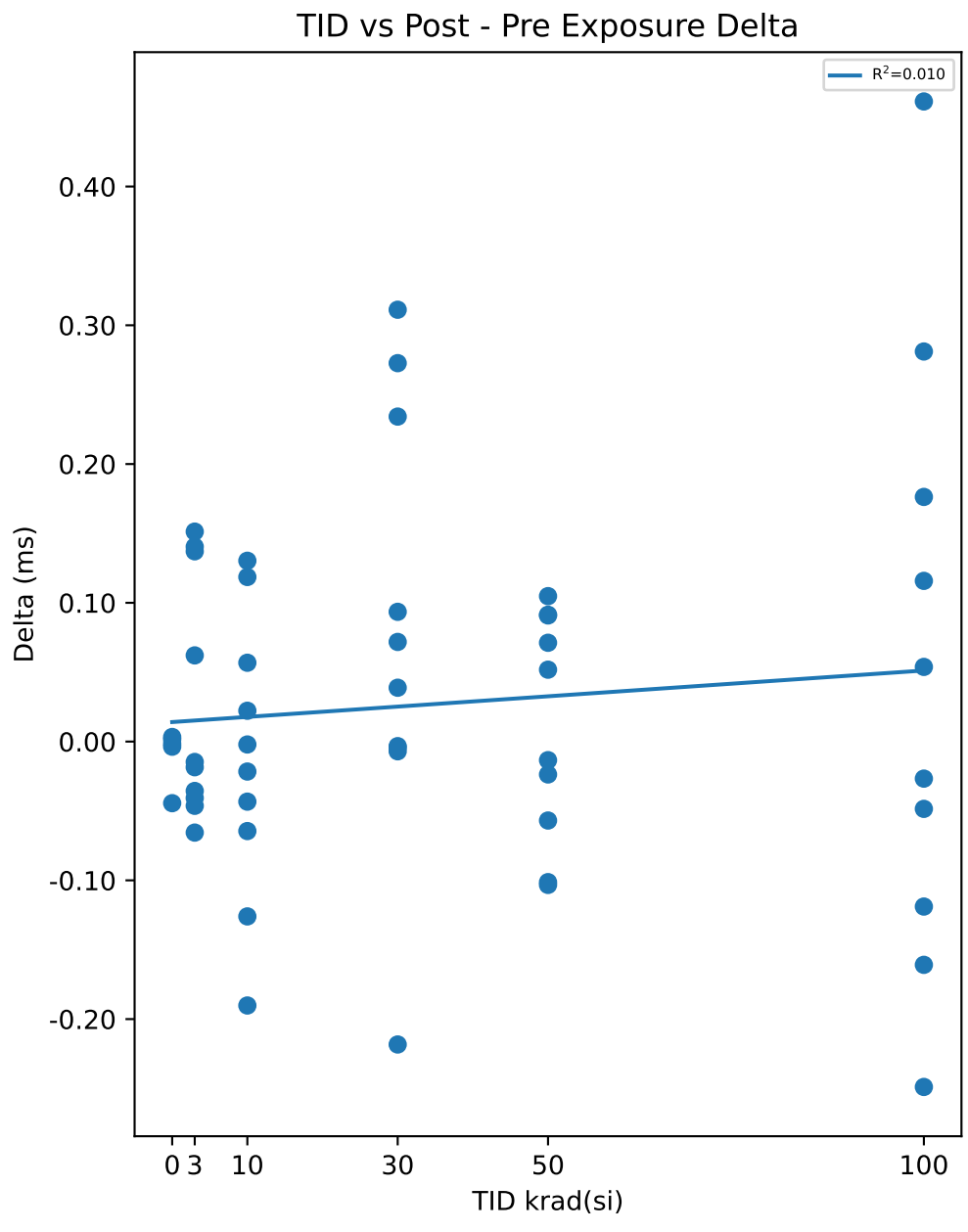
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.412	12.403	-0.0085
2	3	Biased	12.537	12.514	-0.0225
3	3	Biased	12.662	12.637	-0.0253
4	3	Biased	12.635	12.615	-0.02
5	3	Biased	12.385	12.447	0.0619
6	3	Unbiased	12.458	12.449	-0.0084
7	3	Unbiased	12.695	12.703	0.008
8	3	Unbiased	12.64	12.647	0.0071
9	3	Unbiased	12.643	12.642	-0.0006
10	3	Unbiased	12.432	12.499	0.0679
11	10	Biased	12.408	12.485	0.0765
12	10	Biased	12.648	12.553	-0.0947
13	10	Biased	12.459	12.521	0.062
14	10	Biased	12.653	12.651	-0.0016
15	10	Biased	12.538	12.444	-0.0945
16	10	Unbiased	12.701	12.697	-0.0045
17	10	Unbiased	12.765	12.753	-0.0118
18	10	Unbiased	12.402	12.458	0.0556
19	10	Unbiased	12.628	12.657	0.0293
20	10	Unbiased	12.57	12.498	-0.0722
21	30	Biased	12.679	12.8	0.1214
22	30	Biased	12.571	12.588	0.0166
23	30	Biased	12.843	12.9	0.0565
24	30	Biased	12.32	12.382	0.0617
25	30	Biased	12.525	12.525	-0.0004
26	30	Unbiased	12.68	12.586	-0.0946
27	30	Unbiased	12.485	12.618	0.1324
28	30	Unbiased	12.663	12.676	0.0131
29	30	Unbiased	12.598	12.628	0.0295
30	30	Unbiased	12.727	12.829	0.1016
31	50	Biased	12.788	12.738	-0.0502
32	50	Biased	12.357	12.407	0.0504
33	50	Biased	12.743	12.768	0.0246
34	50	Biased	12.922	12.98	0.0582
35	50	Biased	12.651	12.666	0.0157
36	50	Unbiased	12.601	12.608	0.007
37	50	Unbiased	12.413	12.383	-0.0295
38	50	Unbiased	12.854	12.787	-0.0669
39	50	Unbiased	12.803	12.84	0.0378
40	50	Unbiased	12.807	12.863	0.0553
41	100	Biased	12.445	12.659	0.2138
42	100	Biased	12.442	12.425	-0.017
43	100	Biased	12.469	12.557	0.0879
44	100	Biased	12.712	12.627	-0.0845
45	100	Biased	12.345	12.285	-0.0596
46	100	Unbiased	12.827	12.757	-0.0701
47	100	Unbiased	12.702	12.734	0.0314
48	100	Unbiased	12.335	12.547	0.2116
49	100	Unbiased	12.82	12.772	-0.0484
50	100	Unbiased	12.458	12.508	0.0501
51	0	Correlation	12.772	12.775	0.0023
53	0	Correlation	12.682	12.671	-0.0109
54	0	Correlation	12.538	12.536	-0.0017
55	0	Correlation	12.642	12.622	-0.02
56	0	Correlation	12.596	12.594	-0.0024

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	12.538	12.646	12.772	0.088706	12.536	12.64	12.775	0.089947	-0.02	-0.00654	0.0023	0.0089288
3	12.385	12.55	12.695	0.11865	12.403	12.556	12.703	0.10488	-0.0253	0.00596	0.0679	0.033151
10	12.402	12.577	12.765	0.12401	12.444	12.572	12.753	0.10919	-0.0947	-0.00559	0.0765	0.063776
30	12.32	12.609	12.843	0.14488	12.382	12.653	12.9	0.1544	-0.0946	0.04378	0.1324	0.067239
50	12.357	12.694	12.922	0.1876	12.383	12.704	12.98	0.19259	-0.0669	0.01024	0.0582	0.044885
100	12.335	12.556	12.827	0.18991	12.285	12.587	12.772	0.15536	-0.0845	0.03152	0.2138	0.11056

Device Test: 5.69; DLY_TMR_1MOHM





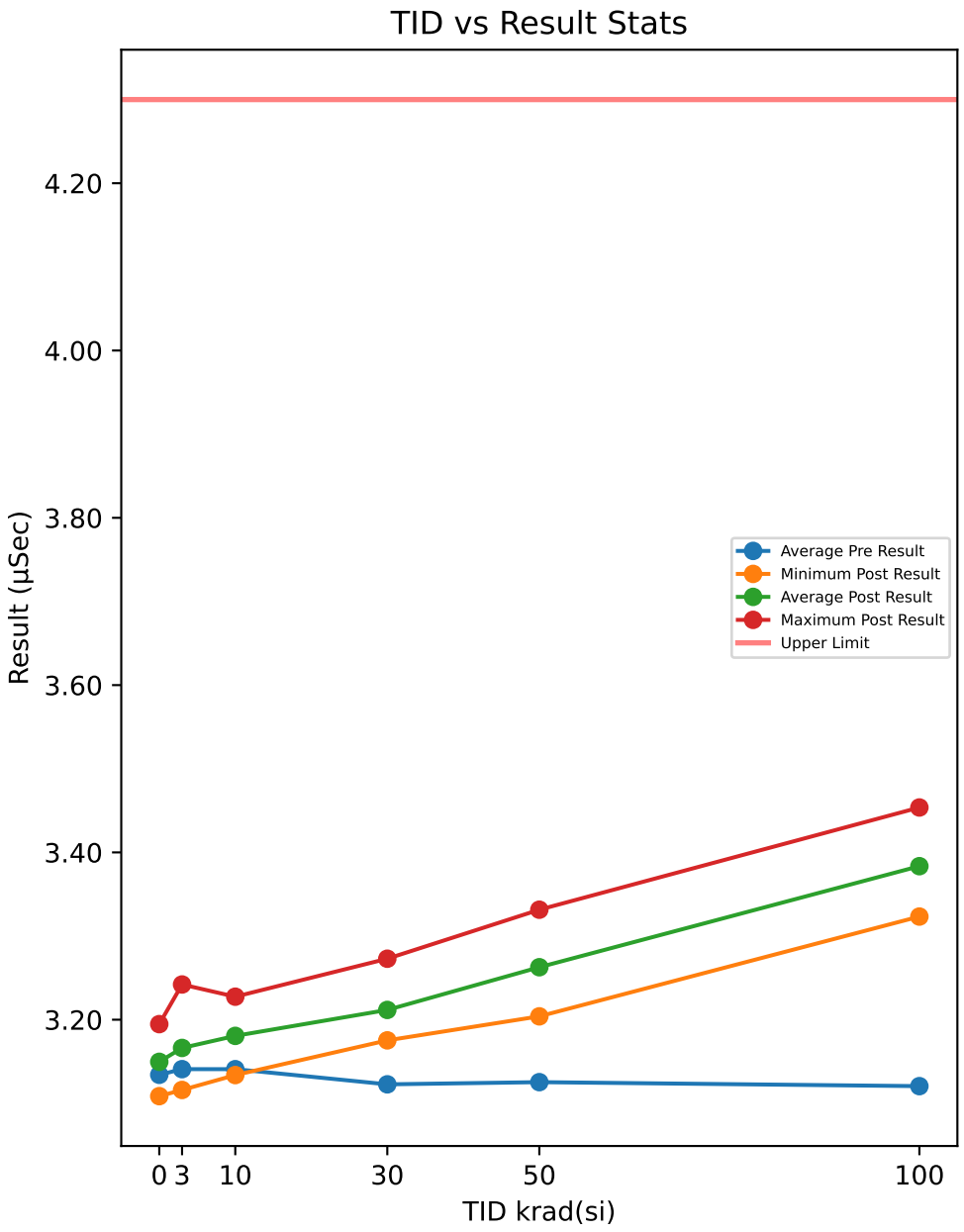
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

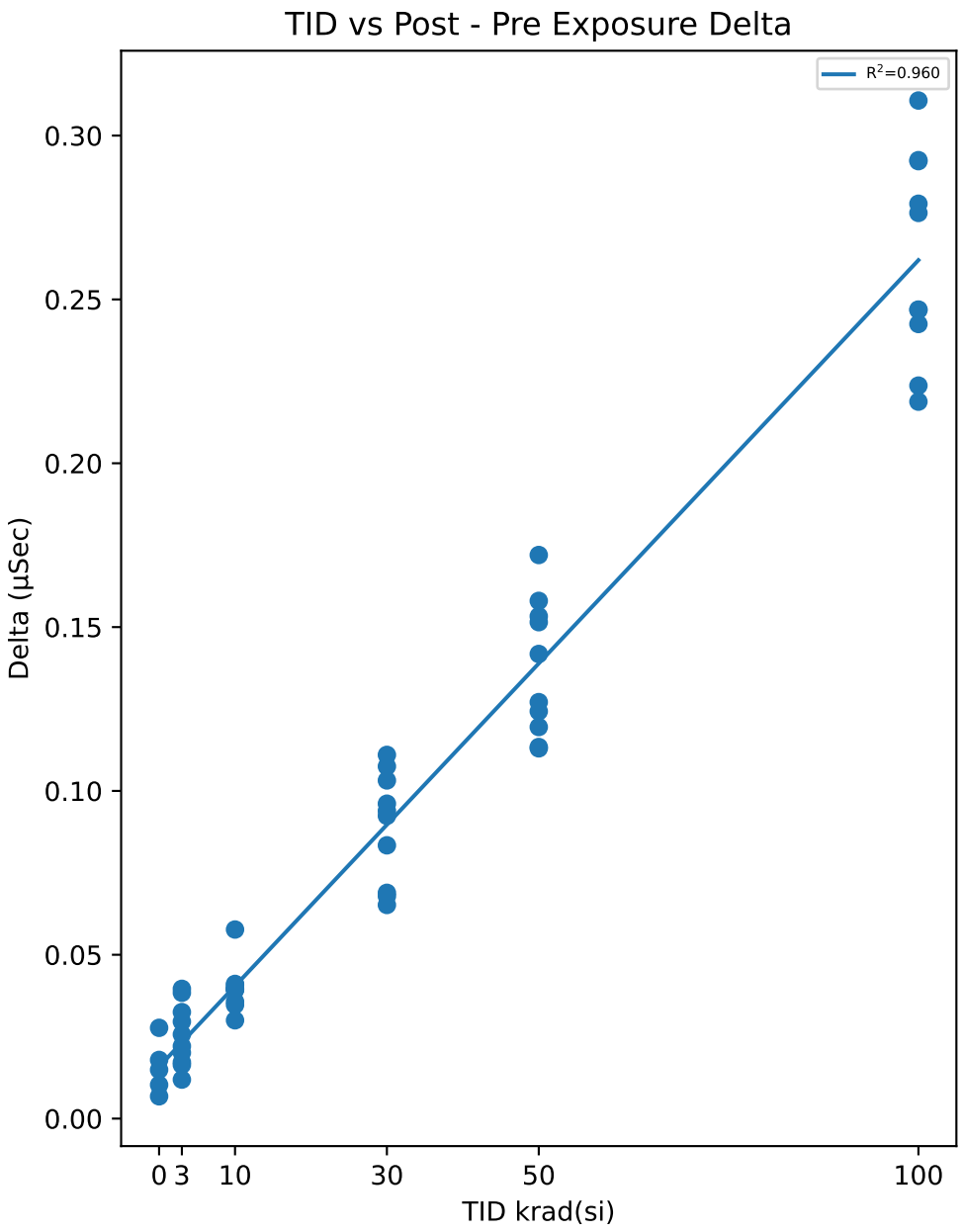
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.539	23.69	0.1513
2	3	Biased	23.785	23.744	-0.0407
3	3	Biased	24.013	23.947	-0.0656
4	3	Biased	23.94	23.894	-0.0463
5	3	Biased	23.572	23.712	0.1404
6	3	Unbiased	23.535	23.672	0.1371
7	3	Unbiased	24.122	24.184	0.0621
8	3	Unbiased	24.162	24.143	-0.0185
9	3	Unbiased	23.937	23.922	-0.0147
10	3	Unbiased	23.625	23.589	-0.0356
11	10	Biased	23.608	23.727	0.1186
12	10	Biased	23.986	23.86	-0.126
13	10	Biased	23.498	23.496	-0.0021
14	10	Biased	24.131	24.153	0.0222
15	10	Biased	23.62	23.556	-0.0645
16	10	Unbiased	24.311	24.29	-0.0216
17	10	Unbiased	24.27	24.227	-0.0433
18	10	Unbiased	23.754	23.885	0.1303
19	10	Unbiased	23.912	23.968	0.0568
20	10	Unbiased	23.925	23.735	-0.1902
21	30	Biased	24.001	24.274	0.2727
22	30	Biased	23.716	23.755	0.0388
23	30	Biased	24.511	24.582	0.0718
24	30	Biased	23.636	23.629	-0.007
25	30	Biased	23.999	23.995	-0.0043
26	30	Unbiased	24.038	23.82	-0.2183
27	30	Unbiased	23.762	24.073	0.3112
28	30	Unbiased	24.093	24.09	-0.0033
29	30	Unbiased	23.806	23.9	0.0935
30	30	Unbiased	24.056	24.29	0.2342
31	50	Biased	24.197	24.095	-0.1013
32	50	Biased	23.534	23.431	-0.1033
33	50	Biased	24.145	24.197	0.0518
34	50	Biased	24.849	24.939	0.0909
35	50	Biased	24.241	24.184	-0.0569
36	50	Unbiased	23.785	23.771	-0.0134
37	50	Unbiased	23.528	23.633	0.1048
38	50	Unbiased	24.354	24.33	-0.0237
39	50	Unbiased	24.304	24.395	0.0914
40	50	Unbiased	24.425	24.496	0.0712
41	100	Biased	23.515	23.977	0.4613
42	100	Biased	23.581	23.533	-0.0485
43	100	Biased	23.518	23.694	0.1763
44	100	Biased	24.114	23.865	-0.2489
45	100	Biased	23.474	23.313	-0.1609
46	100	Unbiased	24.326	24.207	-0.1189
47	100	Unbiased	24.142	24.196	0.0538
48	100	Unbiased	23.493	23.609	0.1158
49	100	Unbiased	24.357	24.331	-0.0267
50	100	Unbiased	23.515	23.796	0.2811
51	0	Correlation	24.216	24.22	0.0033
53	0	Correlation	24.105	24.061	-0.0444
54	0	Correlation	23.955	23.957	0.0015
55	0	Correlation	23.966	23.962	-0.0037
56	0	Correlation	23.768	23.766	-0.0016

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	23.768	24.002	24.216	0.16946	23.766	23.993	24.22	0.16555	-0.0444	-0.00898	0.0033	0.019985
3	23.535	23.823	24.162	0.24368	23.589	23.85	24.184	0.20263	-0.0656	0.02695	0.1513	0.086873
10	23.498	23.902	24.311	0.28158	23.496	23.89	24.29	0.27221	-0.1902	-0.01198	0.1303	0.10104
30	23.636	23.962	24.511	0.25096	23.629	24.041	24.582	0.28586	-0.2183	0.07893	0.3112	0.15878
50	23.528	24.136	24.849	0.41324	23.431	24.147	24.939	0.44347	-0.1033	0.01115	0.1048	0.080981
100	23.474	23.804	24.357	0.37902	23.313	23.852	24.331	0.32803	-0.2489	0.04844	0.4613	0.21622

Device Test: 5.7; PROPD_RESET





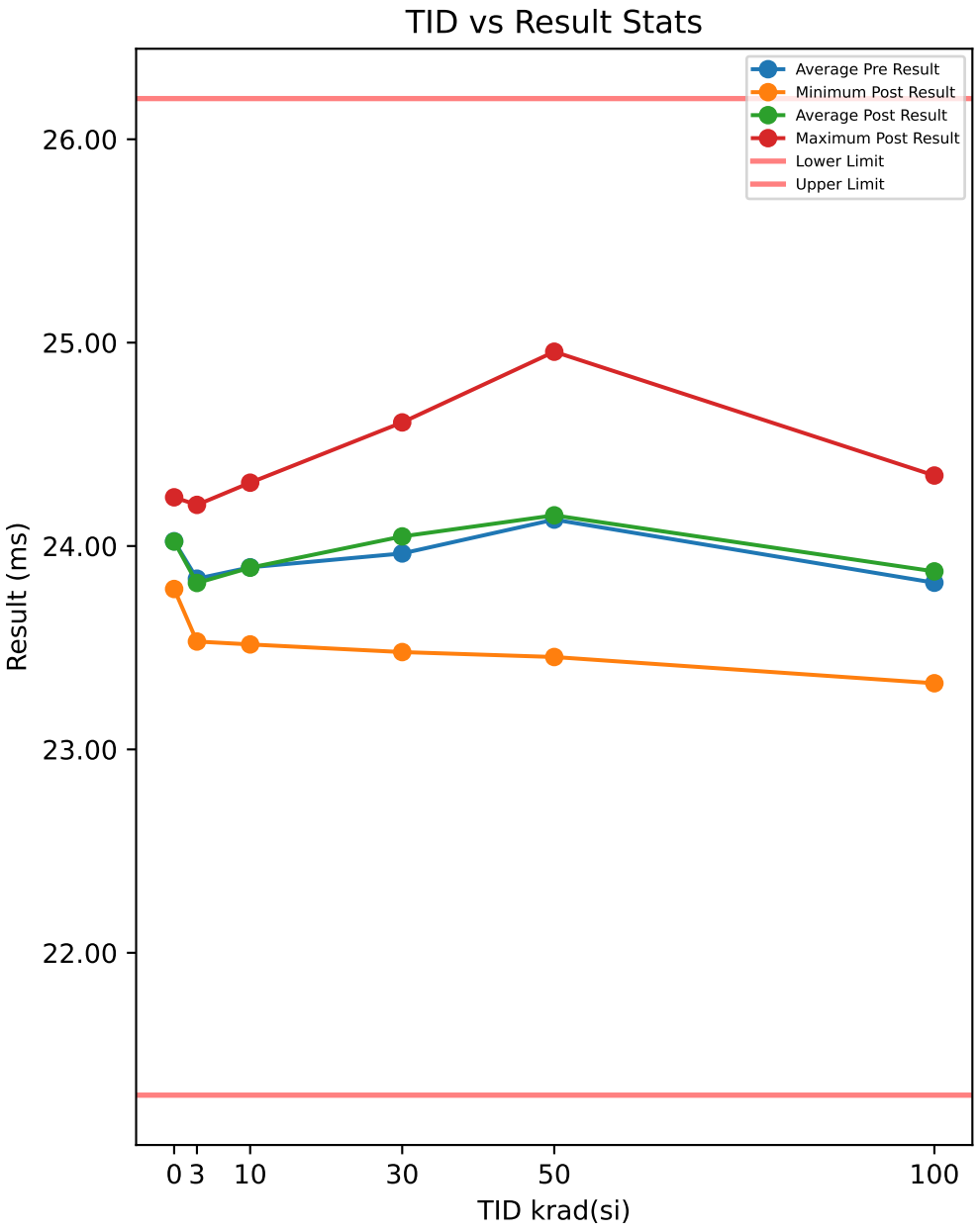
Test Results (Upper Limit = 4.3 (µSec))

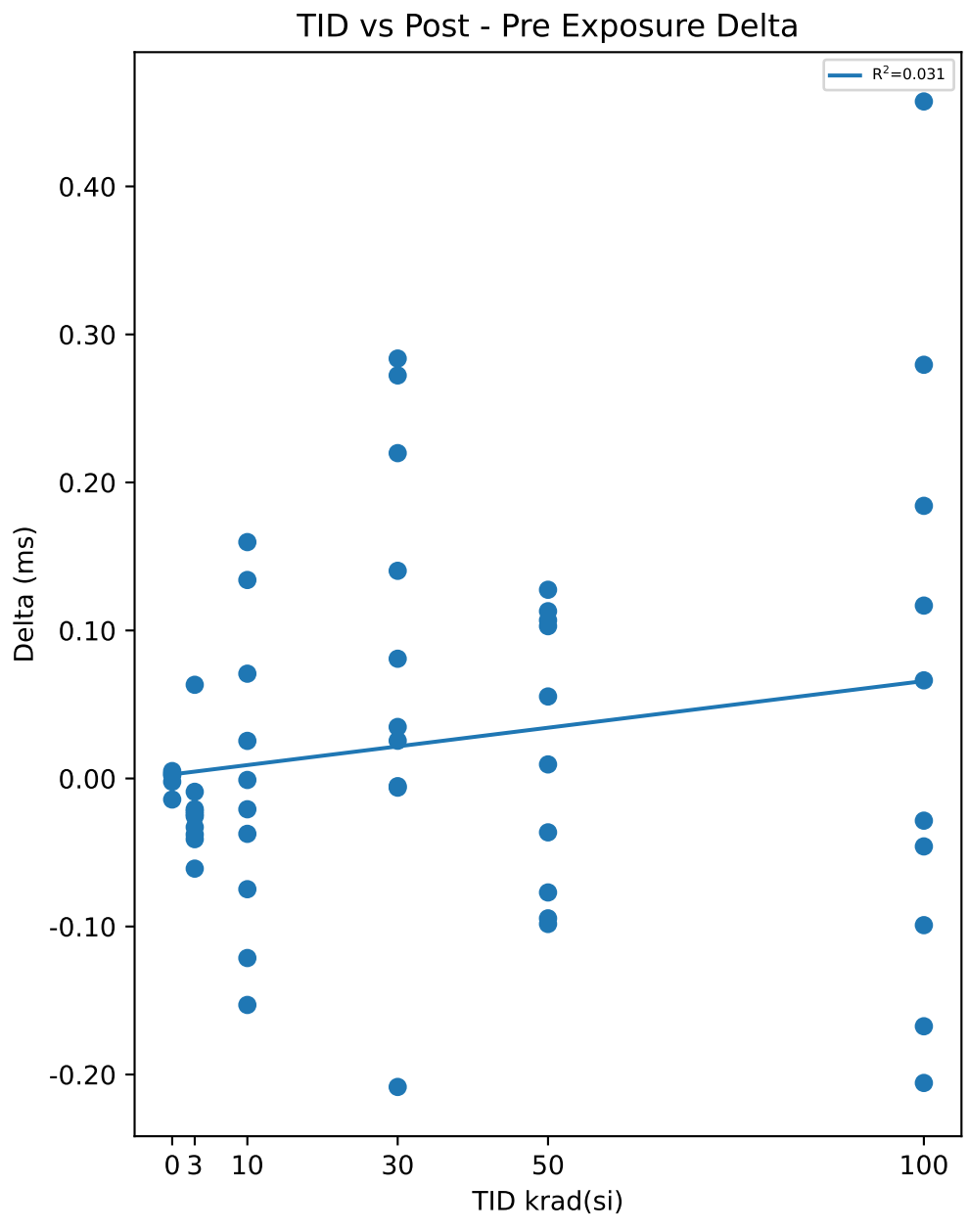
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	3.1747	3.2143	0.0396
2	3	Biased	3.222	3.2421	0.0201
3	3	Biased	3.1786	3.195	0.0164
4	3	Biased	3.1127	3.1384	0.0257
5	3	Biased	3.1634	3.1806	0.0172
6	3	Unbiased	3.1127	3.1452	0.0325
7	3	Unbiased	3.1117	3.1413	0.0296
8	3	Unbiased	3.142	3.1539	0.0119
9	3	Unbiased	3.0939	3.116	0.0221
10	3	Unbiased	3.0972	3.1356	0.0384
11	10	Biased	3.0945	3.1338	0.0393
12	10	Biased	3.1793	3.2188	0.0395
13	10	Biased	3.1129	3.1429	0.03
14	10	Biased	3.1294	3.1692	0.0398
15	10	Biased	3.1435	3.1842	0.0407
16	10	Unbiased	3.1	3.1411	0.0411
17	10	Unbiased	3.1851	3.2245	0.0394
18	10	Unbiased	3.1698	3.2275	0.0577
19	10	Unbiased	3.1104	3.1451	0.0347
20	10	Unbiased	3.1838	3.2195	0.0357
21	30	Biased	3.1104	3.1783	0.0679
22	30	Biased	3.1139	3.1791	0.0652
23	30	Biased	3.1895	3.2729	0.0834
24	30	Biased	3.0908	3.1832	0.0924
25	30	Biased	3.1064	3.1753	0.0689
26	30	Unbiased	3.1588	3.2549	0.0961
27	30	Unbiased	3.1058	3.2168	0.111
28	30	Unbiased	3.1636	3.2668	0.1032
29	30	Unbiased	3.0785	3.186	0.1075
30	30	Unbiased	3.1096	3.2035	0.0939
31	50	Biased	3.0906	3.204	0.1134
32	50	Biased	3.1063	3.2334	0.1271
33	50	Biased	3.1001	3.2196	0.1195
34	50	Biased	3.1069	3.2312	0.1243
35	50	Biased	3.2185	3.3315	0.113
36	50	Unbiased	3.1603	3.3021	0.1418
37	50	Unbiased	3.1709	3.3242	0.1533
38	50	Unbiased	3.1111	3.2626	0.1515
39	50	Unbiased	3.1119	3.2839	0.172
40	50	Unbiased	3.0769	3.2349	0.158
41	100	Biased	3.1996	3.4233	0.2237
42	100	Biased	3.0764	3.3233	0.2469
43	100	Biased	3.1445	3.3913	0.2468
44	100	Biased	3.091	3.3335	0.2425
45	100	Biased	3.119	3.3378	0.2188
46	100	Unbiased	3.1299	3.4224	0.2925
47	100	Unbiased	3.1615	3.4537	0.2922
48	100	Unbiased	3.0994	3.3758	0.2764
49	100	Unbiased	3.0908	3.4015	0.3107
50	100	Unbiased	3.0936	3.3728	0.2792
51	0	Correlation	3.1386	3.1489	0.0103
53	0	Correlation	3.167	3.1947	0.0277
54	0	Correlation	3.1086	3.1265	0.0179
55	0	Correlation	3.1627	3.1695	0.0068
56	0	Correlation	3.0937	3.1086	0.0149

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	3.0937	3.1341	3.167	0.032415	3.1086	3.1496	3.1947	0.034078	0.0068	0.01552	0.0277	0.0080263
3	3.0939	3.1409	3.222	0.04244	3.116	3.1662	3.2421	0.040212	0.0119	0.02535	0.0396	0.0094764
10	3.0945	3.1409	3.1851	0.036183	3.1338	3.1807	3.2275	0.038979	0.03	0.03979	0.0577	0.0071668
30	3.0785	3.1227	3.1895	0.03553	3.1753	3.2117	3.2729	0.03904	0.0652	0.08895	0.111	0.016868
50	3.0769	3.1254	3.2185	0.043784	3.204	3.2627	3.3315	0.04527	0.113	0.13739	0.172	0.020715
100	3.0764	3.1206	3.1996	0.038687	3.3233	3.3835	3.4537	0.0432	0.2188	0.26297	0.3107	0.031412

Device Test: 5.70; DLY_TMR_1MOHM





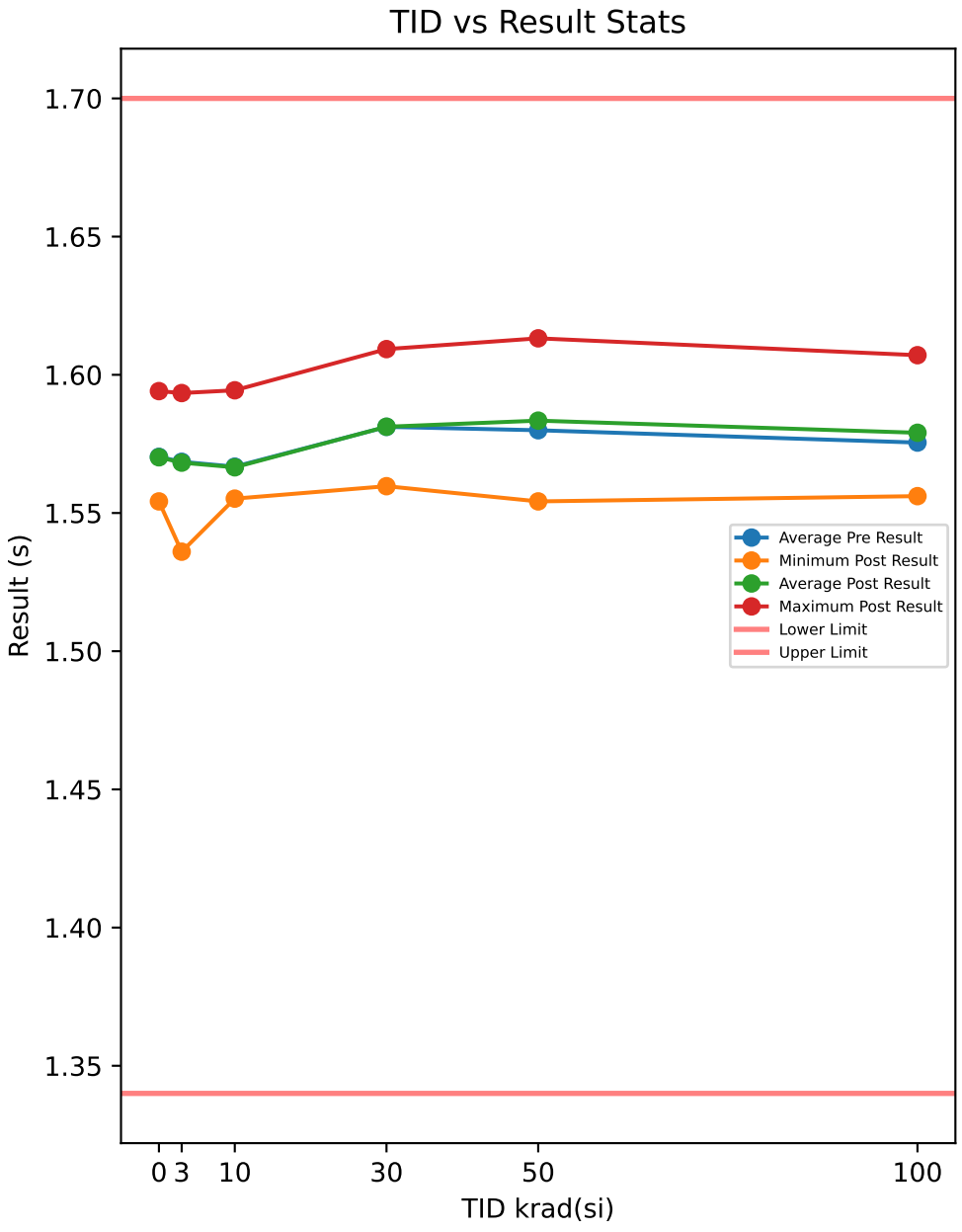
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

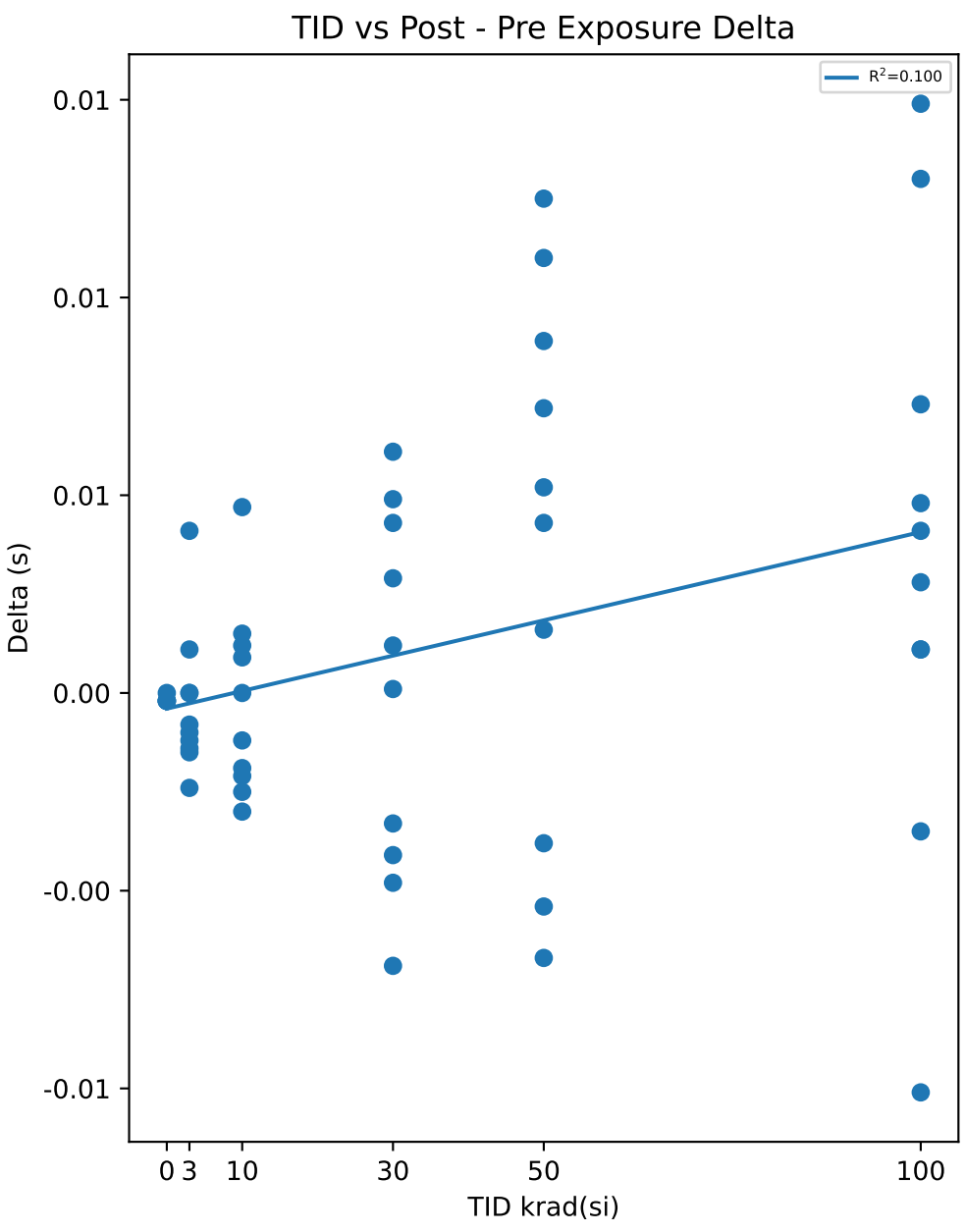
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.561	23.54	-0.0207
2	3	Biased	23.802	23.764	-0.0379
3	3	Biased	24.03	23.989	-0.041
4	3	Biased	23.957	23.896	-0.0609
5	3	Biased	23.592	23.567	-0.0256
6	3	Unbiased	23.555	23.53	-0.0241
7	3	Unbiased	24.139	24.202	0.0633
8	3	Unbiased	24.178	24.156	-0.0222
9	3	Unbiased	23.95	23.941	-0.009
10	3	Unbiased	23.63	23.597	-0.0329
11	10	Biased	23.443	23.602	0.1597
12	10	Biased	23.981	23.86	-0.1213
13	10	Biased	23.517	23.516	-0.001
14	10	Biased	24.15	24.175	0.0254
15	10	Biased	23.64	23.565	-0.0748
16	10	Unbiased	24.332	24.311	-0.0208
17	10	Unbiased	24.288	24.251	-0.0374
18	10	Unbiased	23.752	23.886	0.1341
19	10	Unbiased	23.929	24	0.0708
20	10	Unbiased	23.922	23.769	-0.153
21	30	Biased	24.019	24.292	0.2723
22	30	Biased	23.736	23.762	0.0255
23	30	Biased	24.527	24.608	0.0809
24	30	Biased	23.484	23.479	-0.0052
25	30	Biased	24.02	24.014	-0.0062
26	30	Unbiased	24.056	23.848	-0.2084
27	30	Unbiased	23.807	24.09	0.2837
28	30	Unbiased	24.088	24.123	0.0348
29	30	Unbiased	23.801	23.941	0.1403
30	30	Unbiased	24.096	24.316	0.2198
31	50	Biased	24.211	24.113	-0.0983
32	50	Biased	23.392	23.495	0.1029
33	50	Biased	24.15	24.206	0.0554
34	50	Biased	24.842	24.955	0.113
35	50	Biased	24.261	24.183	-0.077
36	50	Unbiased	23.804	23.813	0.0095
37	50	Unbiased	23.549	23.454	-0.0945
38	50	Unbiased	24.373	24.336	-0.0364
39	50	Unbiased	24.32	24.427	0.1069
40	50	Unbiased	24.398	24.526	0.1275
41	100	Biased	23.534	23.991	0.4574
42	100	Biased	23.599	23.553	-0.0459
43	100	Biased	23.527	23.711	0.1842
44	100	Biased	24.136	23.93	-0.2057
45	100	Biased	23.493	23.325	-0.1674
46	100	Unbiased	24.325	24.226	-0.0991
47	100	Unbiased	24.158	24.225	0.0663
48	100	Unbiased	23.512	23.629	0.1168
49	100	Unbiased	24.375	24.347	-0.0285
50	100	Unbiased	23.536	23.816	0.2795
51	0	Correlation	24.235	24.239	0.005
53	0	Correlation	24.126	24.111	-0.0142
54	0	Correlation	23.974	23.978	0.0032
55	0	Correlation	23.996	23.994	-0.0022
56	0	Correlation	23.787	23.789	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	23.787	24.023	24.235	0.16898	23.789	24.022	24.239	0.16769	-0.0142	-0.00122	0.005	0.0077248
3	23.555	23.839	24.178	0.24314	23.53	23.818	24.202	0.25544	-0.0609	-0.0211	0.0633	0.032833
10	23.443	23.895	24.332	0.30787	23.516	23.893	24.311	0.2877	-0.153	-0.00183	0.1597	0.10256
30	23.484	23.964	24.527	0.2785	23.479	24.047	24.608	0.3181	-0.2084	0.08375	0.2837	0.1507
50	23.392	24.13	24.842	0.43297	23.454	24.151	24.955	0.46346	-0.0983	0.0209	0.1275	0.0917
100	23.493	23.82	24.375	0.37654	23.325	23.875	24.347	0.33009	-0.2057	0.05576	0.4574	0.20851

Device Test: 5.71; WD_TMR_1MOHM





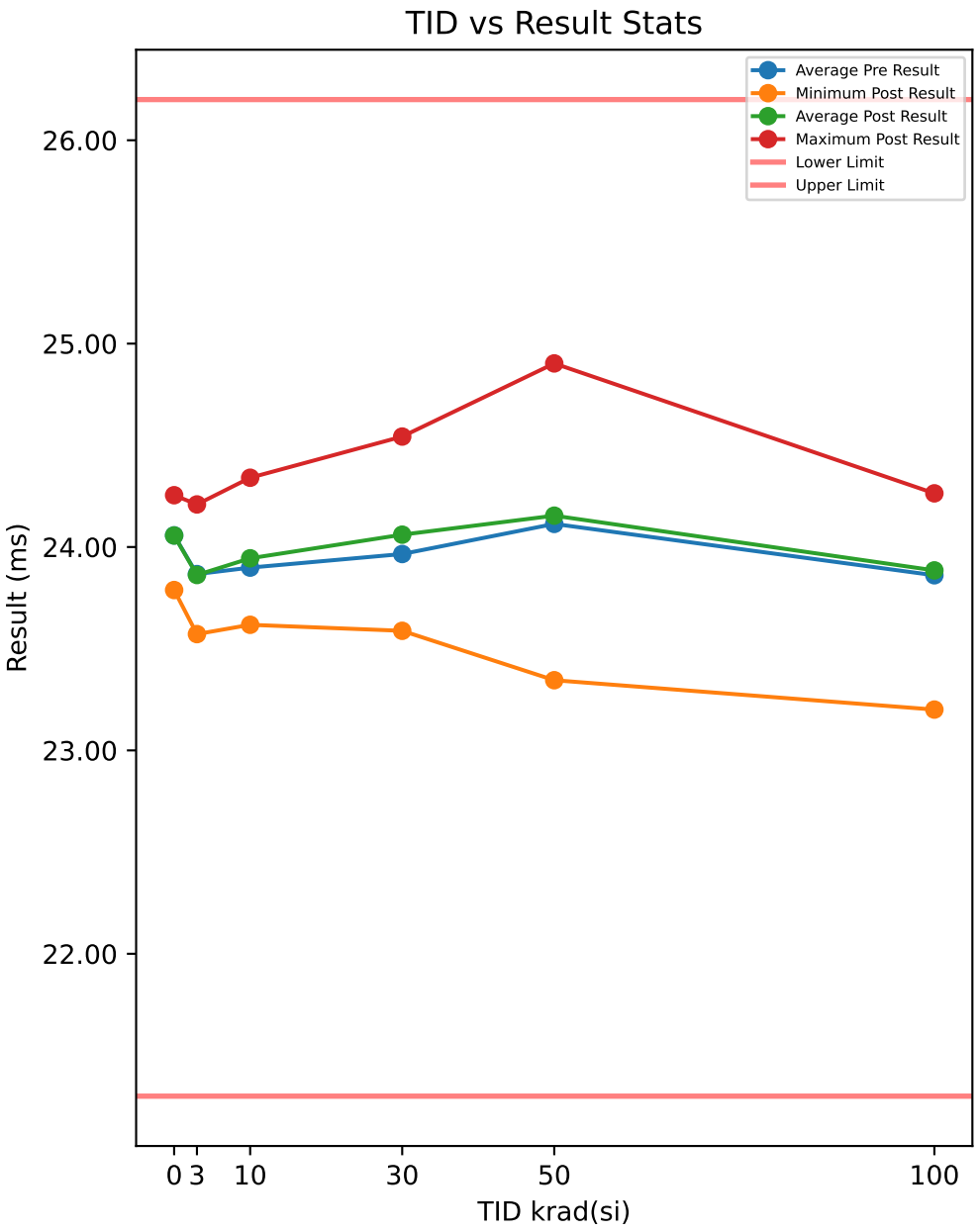
Test Results (Lower Limit = 1.34, Upper Limit = 1.7 (s))

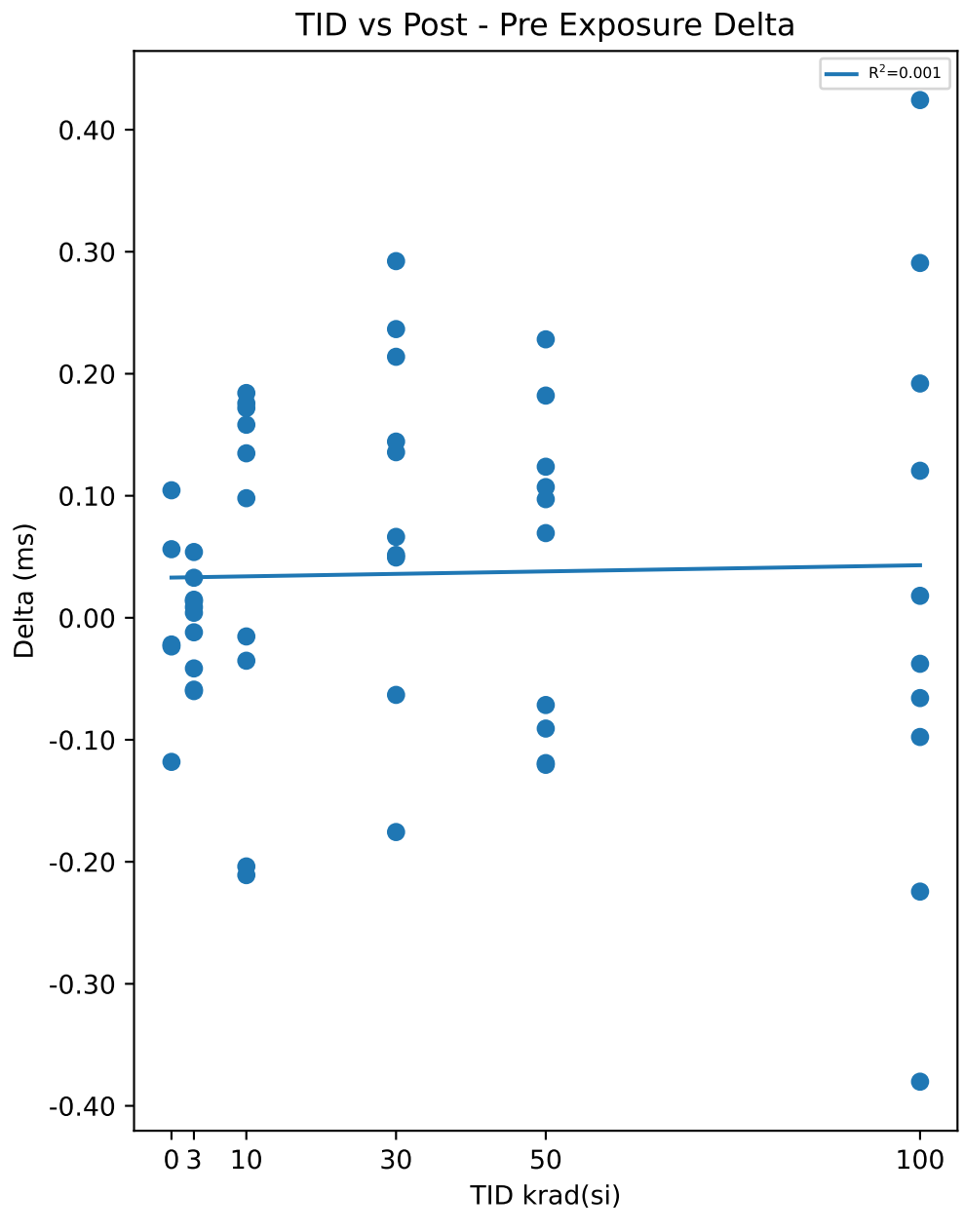
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.5709	1.5701	-0.0008
2	3	Biased	1.5375	1.536	-0.0015
3	3	Biased	1.5532	1.5532	0
4	3	Biased	1.5948	1.5934	-0.0014
5	3	Biased	1.5606	1.5596	-0.001
6	3	Unbiased	1.5852	1.5863	0.0011
7	3	Unbiased	1.5693	1.5669	-0.0024
8	3	Unbiased	1.5408	1.5396	-0.0012
9	3	Unbiased	1.587	1.587	0
10	3	Unbiased	1.586	1.5901	0.0041
11	10	Biased	1.559	1.556	-0.003
12	10	Biased	1.5725	1.5706	-0.0019
13	10	Biased	1.5944	1.5944	0
14	10	Biased	1.5573	1.5552	-0.0021
15	10	Biased	1.5582	1.557	-0.0012
16	10	Unbiased	1.5707	1.5719	0.0012
17	10	Unbiased	1.5511	1.5558	0.0047
18	10	Unbiased	1.5781	1.5756	-0.0025
19	10	Unbiased	1.5649	1.5664	0.0015
20	10	Unbiased	1.5615	1.5624	0.0009
21	30	Biased	1.5638	1.5597	-0.0041
22	30	Biased	1.6052	1.5983	-0.0069
23	30	Biased	1.5987	1.6036	0.0049
24	30	Biased	1.5723	1.5766	0.0043
25	30	Biased	1.586	1.5812	-0.0048
26	30	Unbiased	1.5568	1.5597	0.0029
27	30	Unbiased	1.5701	1.5668	-0.0033
28	30	Unbiased	1.5735	1.5736	0.0001
29	30	Unbiased	1.6032	1.6093	0.0061
30	30	Unbiased	1.5821	1.5833	0.0012
31	50	Biased	1.587	1.5886	0.0016
32	50	Biased	1.5802	1.5845	0.0043
33	50	Biased	1.5895	1.5947	0.0052
34	50	Biased	1.5741	1.5703	-0.0038
35	50	Biased	1.6022	1.6132	0.011
36	50	Unbiased	1.5609	1.5542	-0.0067
37	50	Unbiased	1.593	1.6002	0.0072
38	50	Unbiased	1.5754	1.57	-0.0054
39	50	Unbiased	1.5734	1.5859	0.0125
40	50	Unbiased	1.5637	1.5726	0.0089
41	100	Biased	1.5834	1.5845	0.0011
42	100	Biased	1.5849	1.5877	0.0028
43	100	Biased	1.5595	1.5636	0.0041
44	100	Biased	1.56	1.5749	0.0149
45	100	Biased	1.5734	1.5807	0.0073
46	100	Unbiased	1.5641	1.5652	0.0011
47	100	Unbiased	1.5513	1.5561	0.0048
48	100	Unbiased	1.5903	1.5802	-0.0101
49	100	Unbiased	1.6106	1.6071	-0.0035
50	100	Unbiased	1.5773	1.5903	0.013
51	0	Correlation	1.5755	1.5753	-0.0002
53	0	Correlation	1.5595	1.5593	-0.0002
54	0	Correlation	1.5681	1.5679	-0.0002
55	0	Correlation	1.5544	1.5542	-0.0002
56	0	Correlation	1.5941	1.5941	0

Test Statistics (s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.5544	1.5703	1.5941	0.015554	1.5542	1.5702	1.5941	0.015631	-0.0002	-0.00016	0	8.9443e-05
3	1.5375	1.5685	1.5948	0.020139	1.536	1.5682	1.5934	0.020962	-0.0024	-0.00031	0.0041	0.0018291
10	1.5511	1.5668	1.5944	0.012651	1.5552	1.5665	1.5944	0.012323	-0.003	-0.00024	0.0047	0.002374
30	1.5568	1.5812	1.6052	0.016832	1.5597	1.5812	1.6093	0.017635	-0.0069	4e-05	0.0061	0.0045693
50	1.5609	1.5799	1.6022	0.013043	1.5542	1.5834	1.6132	0.017169	-0.0067	0.00348	0.0125	0.0068619
100	1.5513	1.5755	1.6106	0.017705	1.5561	1.579	1.6071	0.014894	-0.0101	0.00355	0.0149	0.0073231

Device Test: 5.72; DLY_TMR_1MOHM





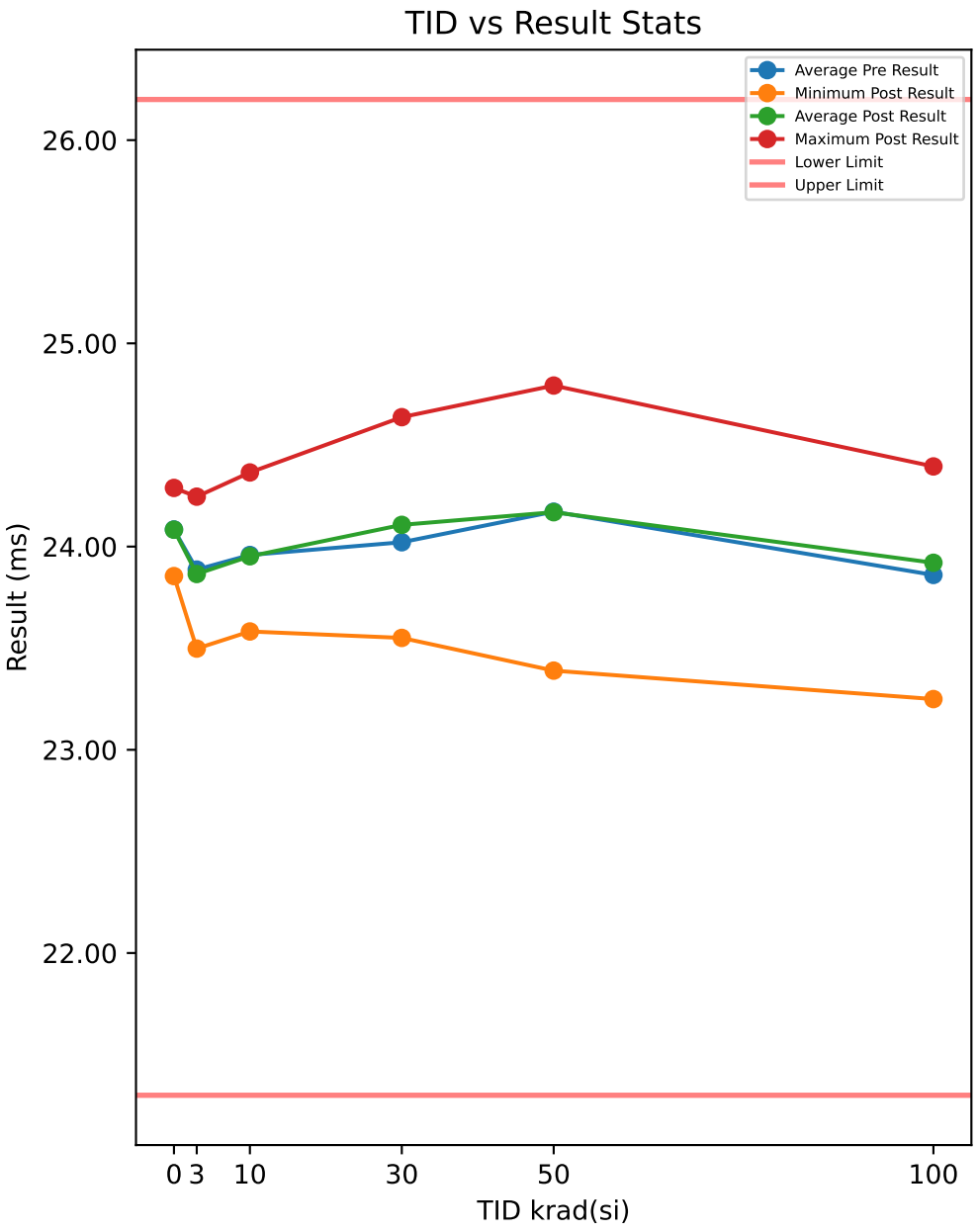
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

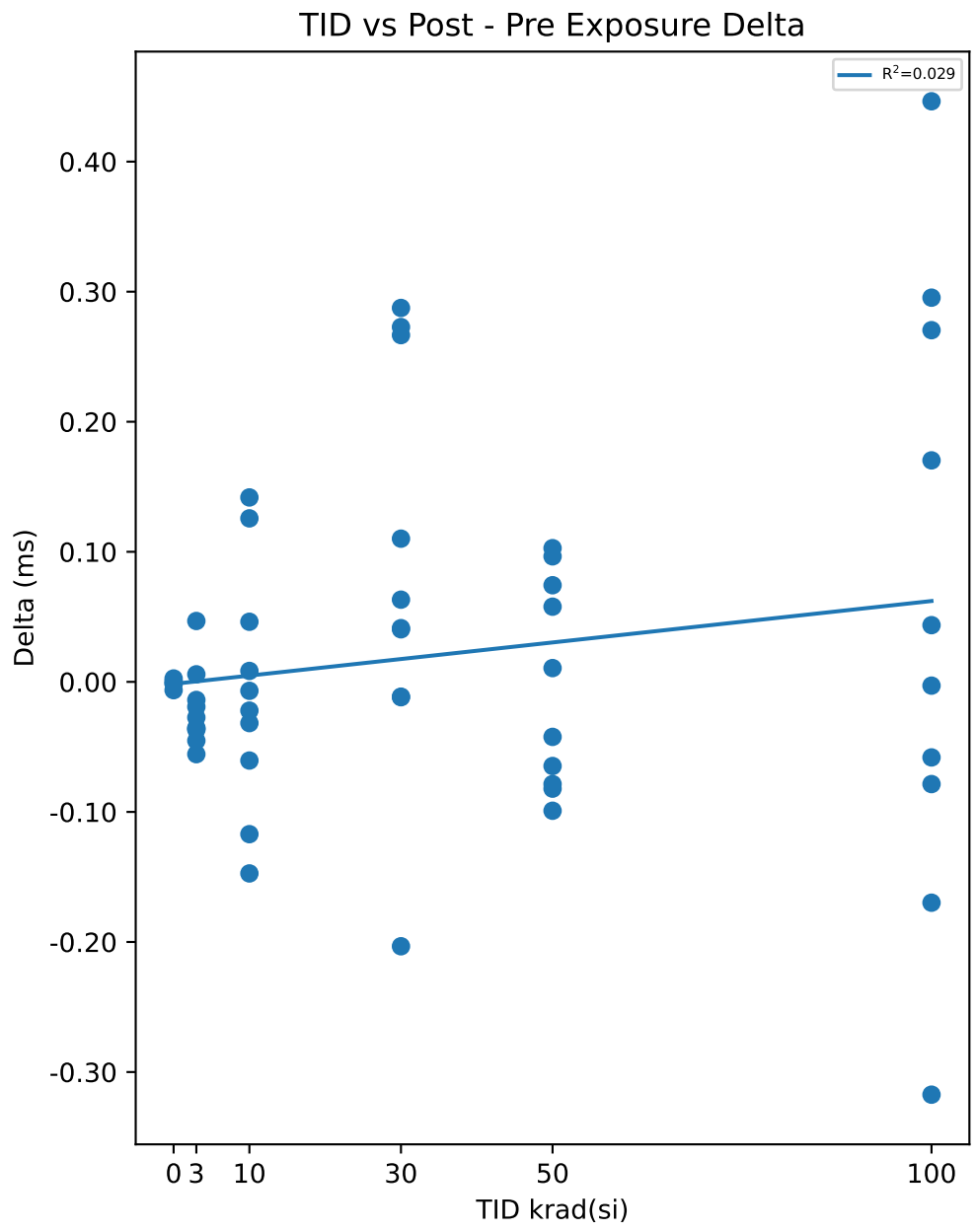
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.613	23.572	-0.0415
2	3	Biased	23.878	23.886	0.0087
3	3	Biased	24.06	24	-0.0601
4	3	Biased	23.897	23.901	0.0041
5	3	Biased	23.693	23.706	0.0135
6	3	Unbiased	23.566	23.62	0.0539
7	3	Unbiased	24.16	24.101	-0.0589
8	3	Unbiased	24.177	24.209	0.0328
9	3	Unbiased	24.022	24.036	0.0148
10	3	Unbiased	23.603	23.591	-0.0119
11	10	Biased	23.433	23.618	0.1842
12	10	Biased	24.023	23.82	-0.2038
13	10	Biased	23.542	23.64	0.098
14	10	Biased	24.071	24.243	0.1719
15	10	Biased	23.638	23.623	-0.0153
16	10	Unbiased	24.369	24.334	-0.0352
17	10	Unbiased	24.206	24.341	0.1348
18	10	Unbiased	23.825	24.001	0.1758
19	10	Unbiased	23.882	24.04	0.1582
20	10	Unbiased	23.997	23.786	-0.2109
21	30	Biased	24.085	24.299	0.2139
22	30	Biased	23.734	23.878	0.1444
23	30	Biased	24.407	24.543	0.1357
24	30	Biased	23.539	23.588	0.0494
25	30	Biased	24.053	23.99	-0.0632
26	30	Unbiased	24.005	23.829	-0.1756
27	30	Unbiased	23.776	24.069	0.2923
28	30	Unbiased	24.089	24.155	0.0663
29	30	Unbiased	23.946	23.997	0.0515
30	30	Unbiased	24.022	24.259	0.2366
31	50	Biased	24.146	24.074	-0.0715
32	50	Biased	23.436	23.345	-0.0908
33	50	Biased	24.08	24.308	0.2282
34	50	Biased	24.721	24.903	0.1821
35	50	Biased	24.313	24.193	-0.1205
36	50	Unbiased	23.867	23.936	0.0694
37	50	Unbiased	23.69	23.571	-0.1191
38	50	Unbiased	24.288	24.412	0.1238
39	50	Unbiased	24.267	24.375	0.1071
40	50	Unbiased	24.328	24.426	0.0972
41	100	Biased	23.688	23.979	0.2908
42	100	Biased	23.708	23.67	-0.0377
43	100	Biased	23.624	23.816	0.192
44	100	Biased	24.177	23.952	-0.2244
45	100	Biased	23.581	23.201	-0.3802
46	100	Unbiased	24.241	24.259	0.018
47	100	Unbiased	24.237	24.139	-0.0977
48	100	Unbiased	23.343	23.768	0.4243
49	100	Unbiased	24.33	24.264	-0.0658
50	100	Unbiased	23.682	23.802	0.1205
51	0	Correlation	24.278	24.255	-0.0235
53	0	Correlation	24.076	24.181	0.1045
54	0	Correlation	23.925	23.982	0.0562
55	0	Correlation	24.099	24.077	-0.0219
56	0	Correlation	23.907	23.788	-0.1181

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	23.907	24.057	24.278	0.15083	23.788	24.057	24.255	0.18206	-0.1181	-0.00056	0.1045	0.08523
3	23.566	23.867	24.177	0.23542	23.572	23.862	24.209	0.22847	-0.0601	-0.00446	0.0539	0.038328
10	23.433	23.899	24.369	0.29572	23.618	23.945	24.341	0.28929	-0.2109	0.04577	0.1842	0.1541
30	23.539	23.966	24.407	0.23788	23.588	24.061	24.543	0.27016	-0.1756	0.09513	0.2923	0.14152
50	23.436	24.114	24.721	0.36671	23.345	24.154	24.903	0.45001	-0.1205	0.04059	0.2282	0.12991
100	23.343	23.861	24.33	0.34845	23.201	23.885	24.264	0.31644	-0.3802	0.02398	0.4243	0.24054

Device Test: 5.73; DLY_TMR_1MOHM





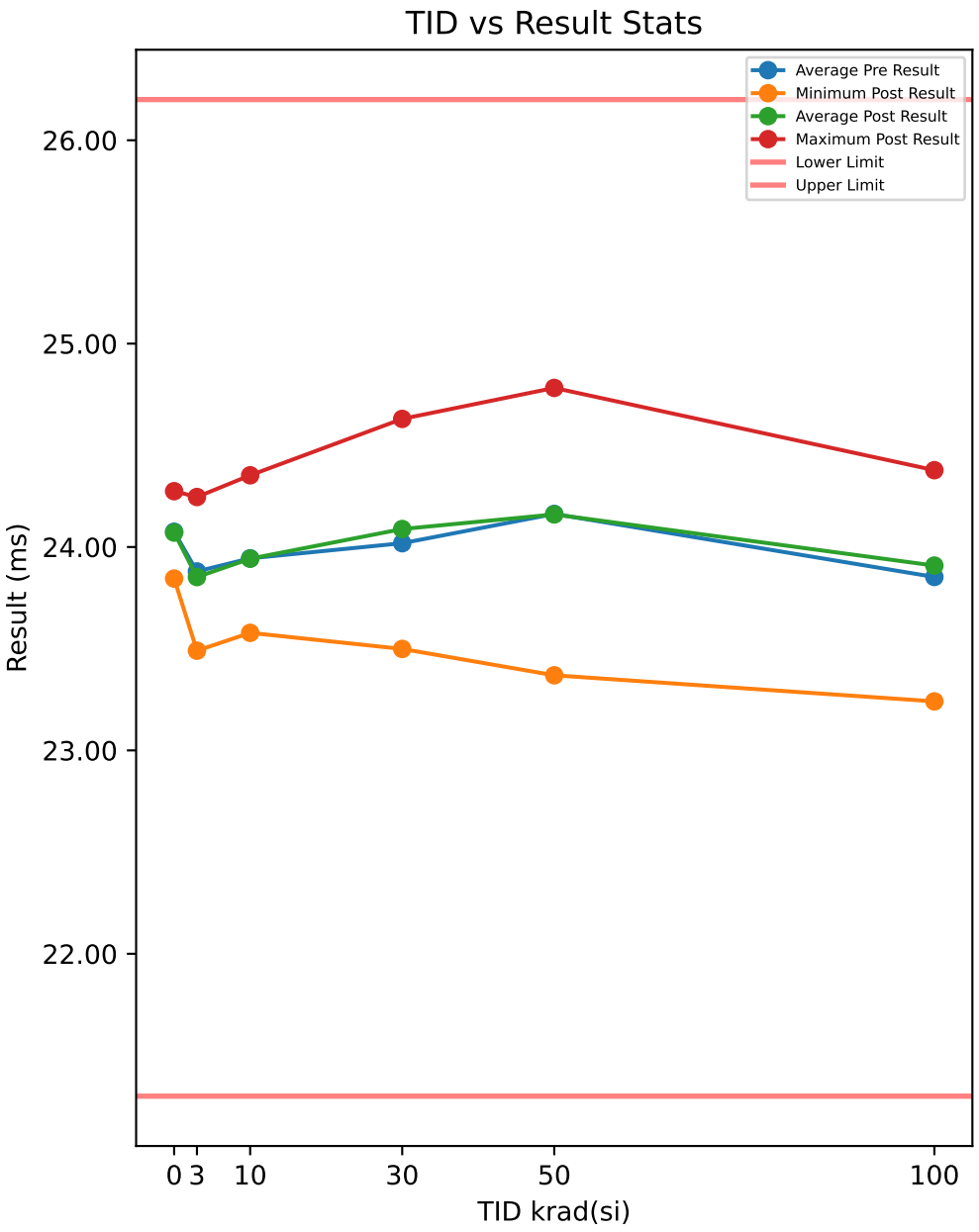
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

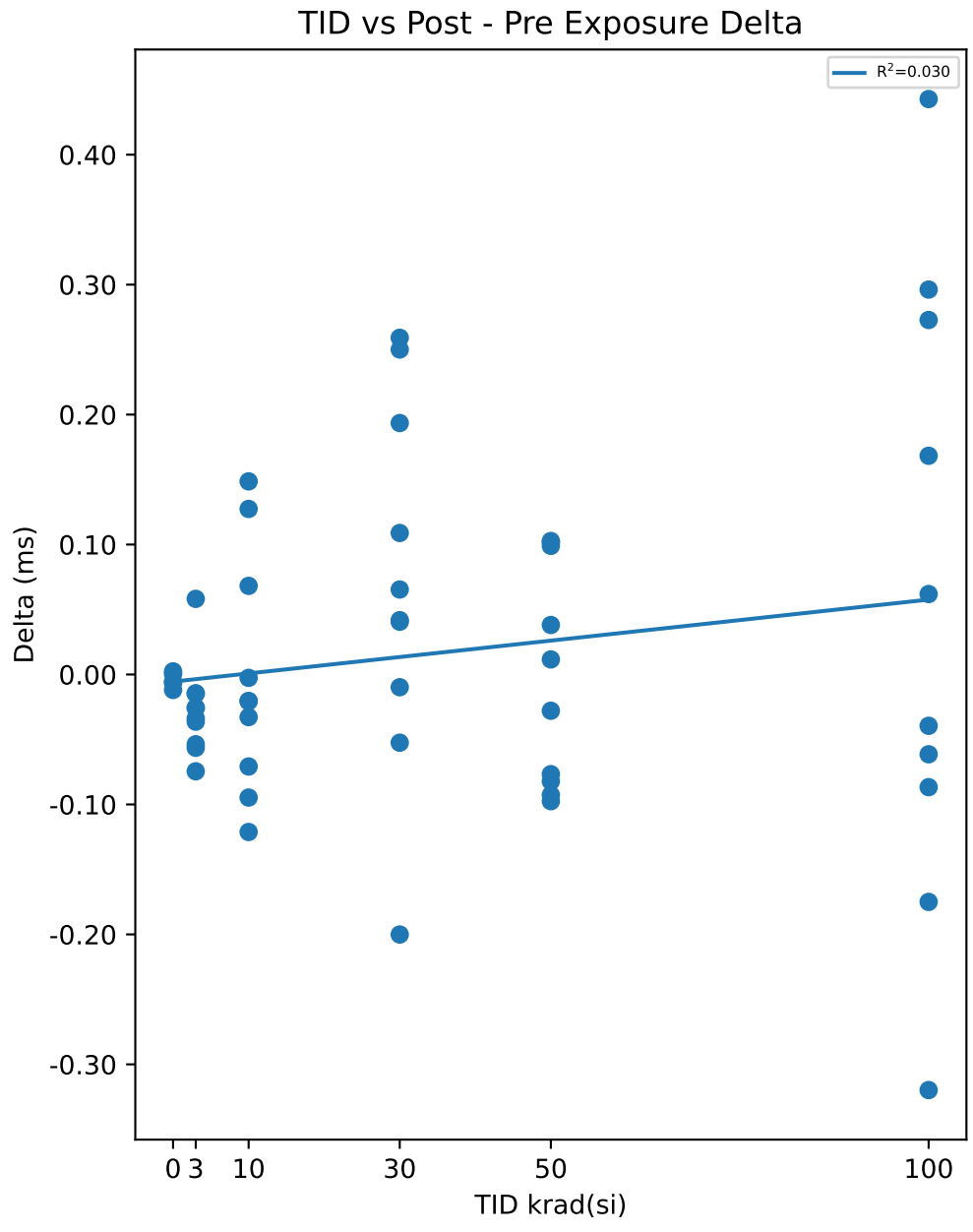
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.636	23.617	-0.0192
2	3	Biased	23.869	23.814	-0.0556
3	3	Biased	24.086	24.051	-0.0353
4	3	Biased	24.016	23.971	-0.0452
5	3	Biased	23.654	23.618	-0.036
6	3	Unbiased	23.627	23.6	-0.0274
7	3	Unbiased	24.189	24.236	0.0468
8	3	Unbiased	24.24	24.246	0.0058
9	3	Unbiased	24.014	24	-0.0139
10	3	Unbiased	23.535	23.498	-0.0368
11	10	Biased	23.515	23.657	0.1418
12	10	Biased	24.037	23.92	-0.1171
13	10	Biased	23.589	23.582	-0.0069
14	10	Biased	24.211	24.219	0.0084
15	10	Biased	23.709	23.648	-0.0605
16	10	Unbiased	24.387	24.365	-0.0221
17	10	Unbiased	24.34	24.308	-0.0317
18	10	Unbiased	23.823	23.949	0.1257
19	10	Unbiased	23.992	24.038	0.0462
20	10	Unbiased	23.982	23.835	-0.1473
21	30	Biased	24.077	24.344	0.2666
22	30	Biased	23.803	23.845	0.0413
23	30	Biased	24.574	24.637	0.0632
24	30	Biased	23.562	23.551	-0.0118
25	30	Biased	24.083	24.072	-0.0114
26	30	Unbiased	24.115	23.912	-0.2033
27	30	Unbiased	23.864	24.151	0.2875
28	30	Unbiased	24.146	24.186	0.0404
29	30	Unbiased	23.889	23.999	0.1101
30	30	Unbiased	24.099	24.372	0.2728
31	50	Biased	24.266	24.167	-0.0991
32	50	Biased	23.468	23.39	-0.0786
33	50	Biased	24.218	24.276	0.0578
34	50	Biased	24.69	24.792	0.1028
35	50	Biased	24.318	24.254	-0.0647
36	50	Unbiased	23.869	23.88	0.0106
37	50	Unbiased	23.626	23.544	-0.0821
38	50	Unbiased	24.423	24.381	-0.0423
39	50	Unbiased	24.371	24.445	0.0743
40	50	Unbiased	24.467	24.564	0.0965
41	100	Biased	23.606	24.053	0.4464
42	100	Biased	23.672	23.614	-0.0581
43	100	Biased	23.611	23.781	0.1703
44	100	Biased	24.16	23.99	-0.1698
45	100	Biased	23.567	23.25	-0.3174
46	100	Unbiased	24.357	24.278	-0.0786
47	100	Unbiased	24.214	24.258	0.0436
48	100	Unbiased	23.405	23.7	0.2954
49	100	Unbiased	24.397	24.394	-0.0029
50	100	Unbiased	23.615	23.885	0.2704
51	0	Correlation	24.29	24.289	-0.001
53	0	Correlation	24.182	24.181	-0.0015
54	0	Correlation	24.041	24.041	0.0005
55	0	Correlation	24.056	24.05	-0.0064
56	0	Correlation	23.852	23.855	0.0026

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	23.852	24.084	24.29	0.16457	23.855	24.083	24.289	0.16338	-0.0064	-0.00116	0.0026	0.0033351
3	23.535	23.887	24.24	0.25761	23.498	23.865	24.246	0.2742	-0.0556	-0.02168	0.0468	0.029565
10	23.515	23.959	24.387	0.30073	23.582	23.952	24.365	0.28023	-0.1473	-0.00635	0.1418	0.093286
30	23.562	24.021	24.574	0.26722	23.551	24.107	24.637	0.30633	-0.2033	0.08554	0.2875	0.15493
50	23.468	24.172	24.69	0.39094	23.39	24.169	24.792	0.44302	-0.0991	-0.00248	0.1028	0.079935
100	23.405	23.86	24.397	0.37502	23.25	23.92	24.394	0.34989	-0.3174	0.05993	0.4464	0.23423

Device Test: 5.74; DLY_TMR_1MOHM





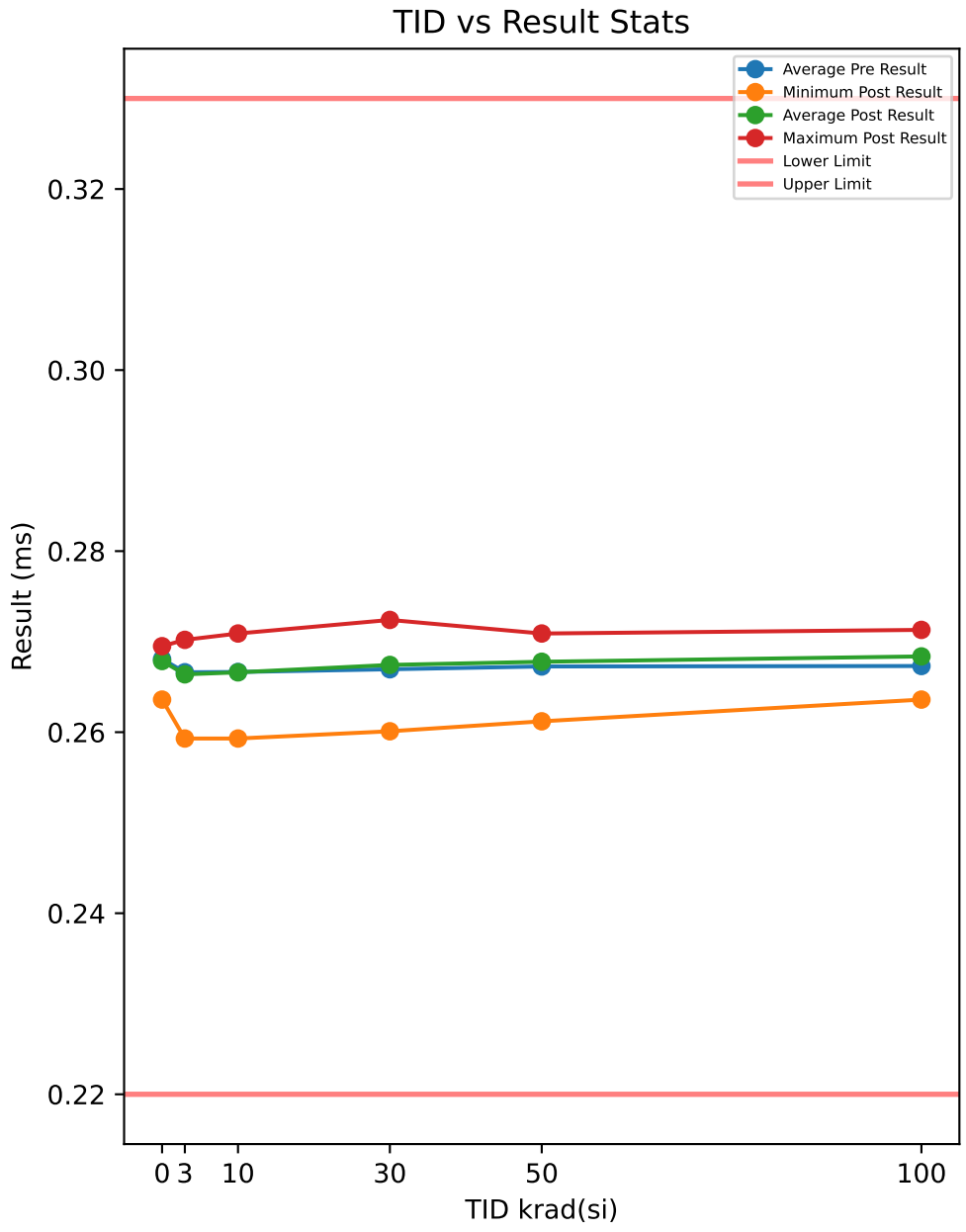
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

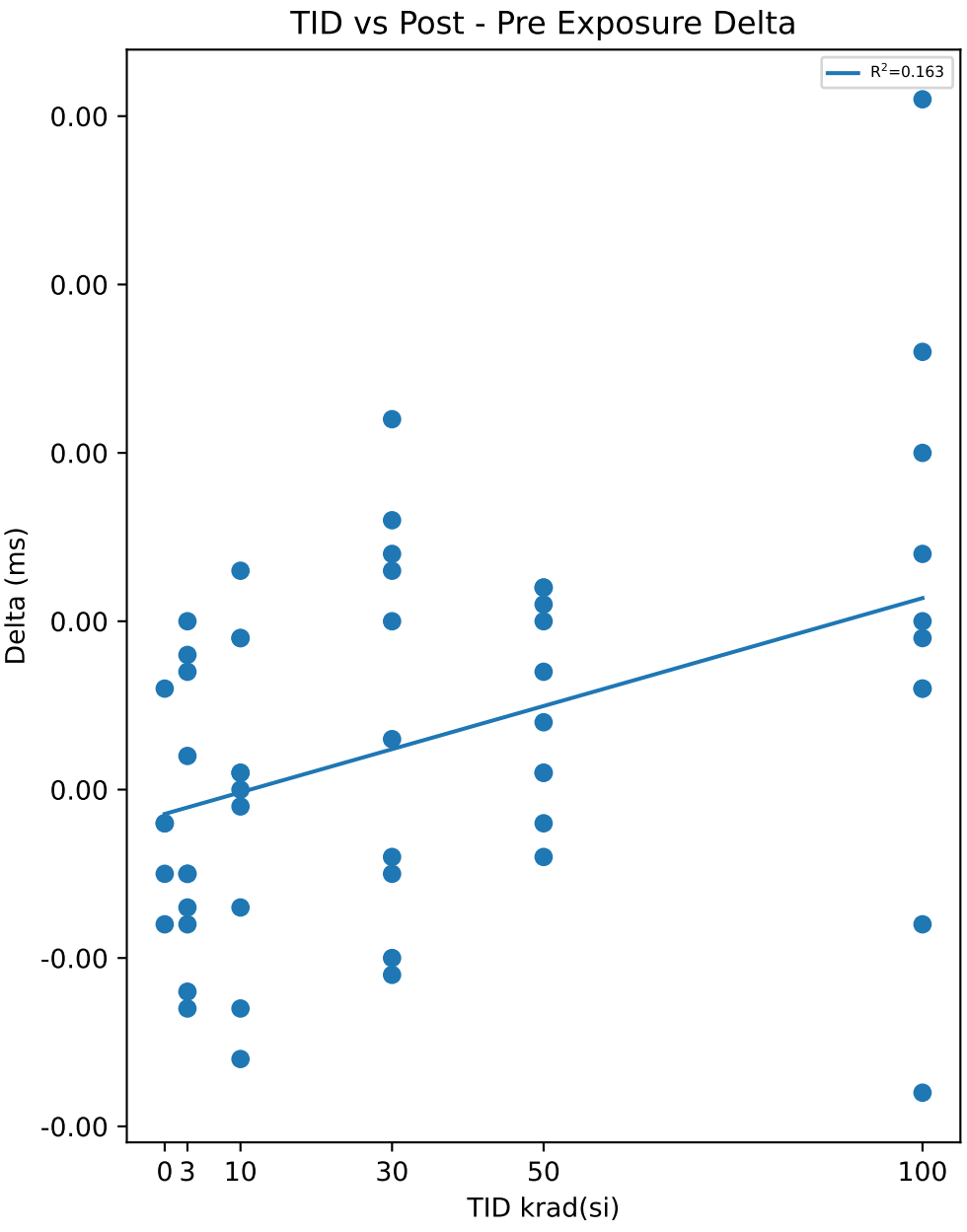
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.624	23.598	-0.0257
2	3	Biased	23.86	23.807	-0.0537
3	3	Biased	24.078	24.042	-0.0363
4	3	Biased	24.01	23.936	-0.0745
5	3	Biased	23.658	23.601	-0.0564
6	3	Unbiased	23.619	23.594	-0.0256
7	3	Unbiased	24.188	24.246	0.0582
8	3	Unbiased	24.23	24.215	-0.0145
9	3	Unbiased	24.008	23.993	-0.0147
10	3	Unbiased	23.524	23.49	-0.0337
11	10	Biased	23.51	23.658	0.1486
12	10	Biased	24.032	23.911	-0.1212
13	10	Biased	23.581	23.578	-0.0026
14	10	Biased	24.2	24.179	-0.0206
15	10	Biased	23.7	23.629	-0.0708
16	10	Unbiased	24.373	24.353	-0.0204
17	10	Unbiased	24.332	24.3	-0.0328
18	10	Unbiased	23.813	23.941	0.1274
19	10	Unbiased	23.983	24.052	0.0682
20	10	Unbiased	23.92	23.825	-0.0947
21	30	Biased	24.072	24.331	0.2591
22	30	Biased	23.795	23.837	0.0418
23	30	Biased	24.564	24.63	0.0654
24	30	Biased	23.551	23.499	-0.0525
25	30	Biased	24.072	24.062	-0.0098
26	30	Unbiased	24.105	23.905	-0.2001
27	30	Unbiased	23.866	24.116	0.2501
28	30	Unbiased	24.137	24.178	0.0406
29	30	Unbiased	23.882	23.991	0.1089
30	30	Unbiased	24.143	24.337	0.1935
31	50	Biased	24.258	24.16	-0.0975
32	50	Biased	23.462	23.369	-0.0927
33	50	Biased	24.208	24.246	0.0381
34	50	Biased	24.68	24.782	0.1018
35	50	Biased	24.309	24.232	-0.0767
36	50	Unbiased	23.859	23.87	0.0116
37	50	Unbiased	23.616	23.533	-0.0822
38	50	Unbiased	24.414	24.387	-0.0279
39	50	Unbiased	24.363	24.465	0.1027
40	50	Unbiased	24.458	24.557	0.099
41	100	Biased	23.599	24.042	0.4428
42	100	Biased	23.663	23.602	-0.0614
43	100	Biased	23.602	23.771	0.1683
44	100	Biased	24.157	23.982	-0.175
45	100	Biased	23.561	23.241	-0.3198
46	100	Unbiased	24.329	24.242	-0.0867
47	100	Unbiased	24.206	24.268	0.0619
48	100	Unbiased	23.391	23.687	0.2962
49	100	Unbiased	24.417	24.378	-0.0395
50	100	Unbiased	23.602	23.875	0.2728
51	0	Correlation	24.281	24.274	-0.0063
53	0	Correlation	24.173	24.167	-0.0055
54	0	Correlation	24.029	24.032	0.0024
55	0	Correlation	24.049	24.037	-0.0119
56	0	Correlation	23.845	23.845	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	23.845	24.075	24.281	0.16418	23.845	24.071	24.274	0.16164	-0.0119	-0.00418	0.0024	0.0057032
3	23.524	23.88	24.23	0.25811	23.49	23.852	24.246	0.27424	-0.0745	-0.02769	0.0582	0.035793
10	23.51	23.944	24.373	0.29952	23.578	23.943	24.353	0.27689	-0.1212	-0.00189	0.1486	0.090383
30	23.551	24.019	24.564	0.26894	23.499	24.088	24.63	0.31224	-0.2001	0.0697	0.2591	0.1418
50	23.462	24.163	24.68	0.39071	23.369	24.16	24.782	0.4477	-0.0975	-0.00238	0.1027	0.084168
100	23.391	23.853	24.417	0.37819	23.241	23.909	24.378	0.3484	-0.3198	0.05596	0.4428	0.23683

Device Test: 5.75; DLY_TMR_10KOHM





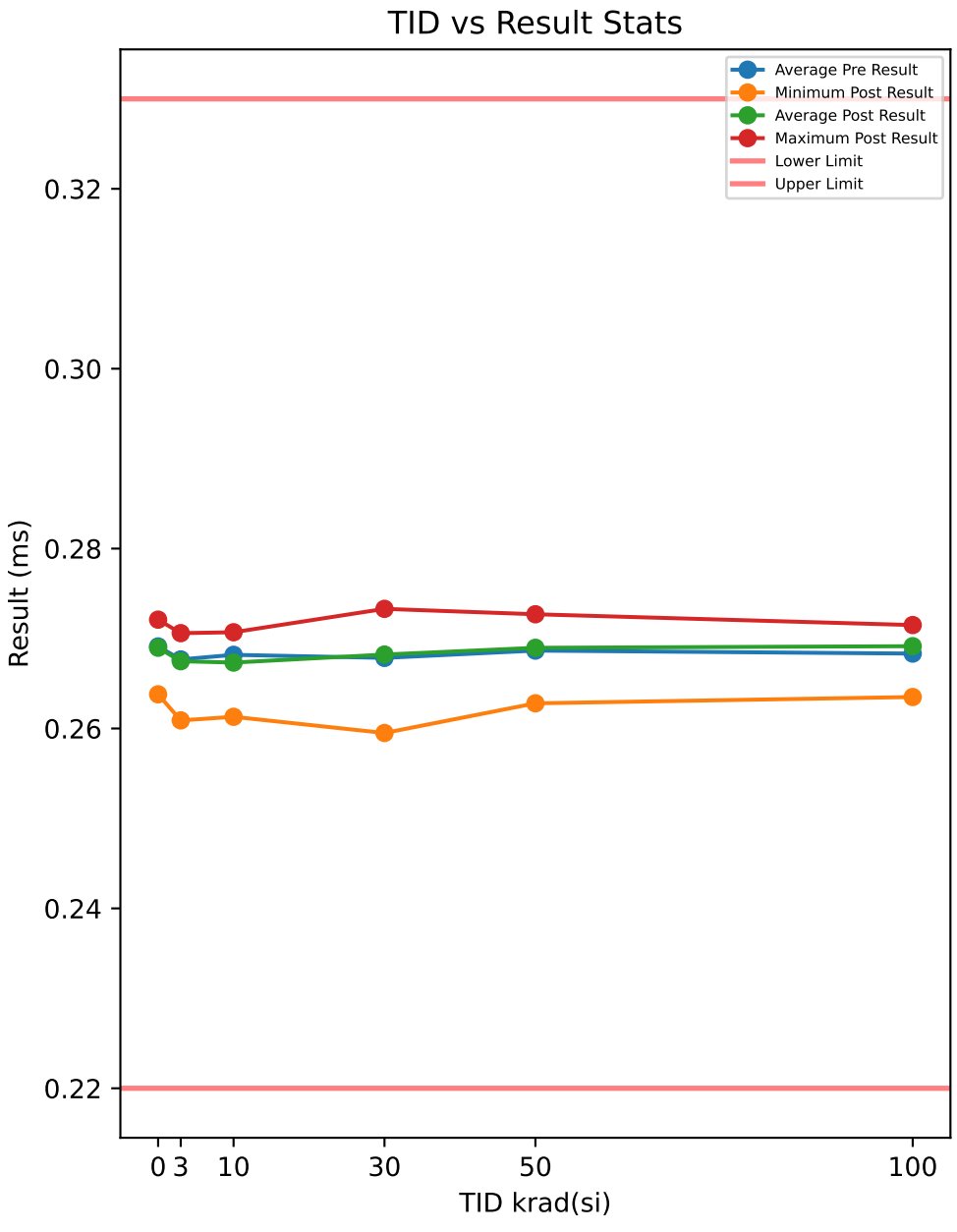
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

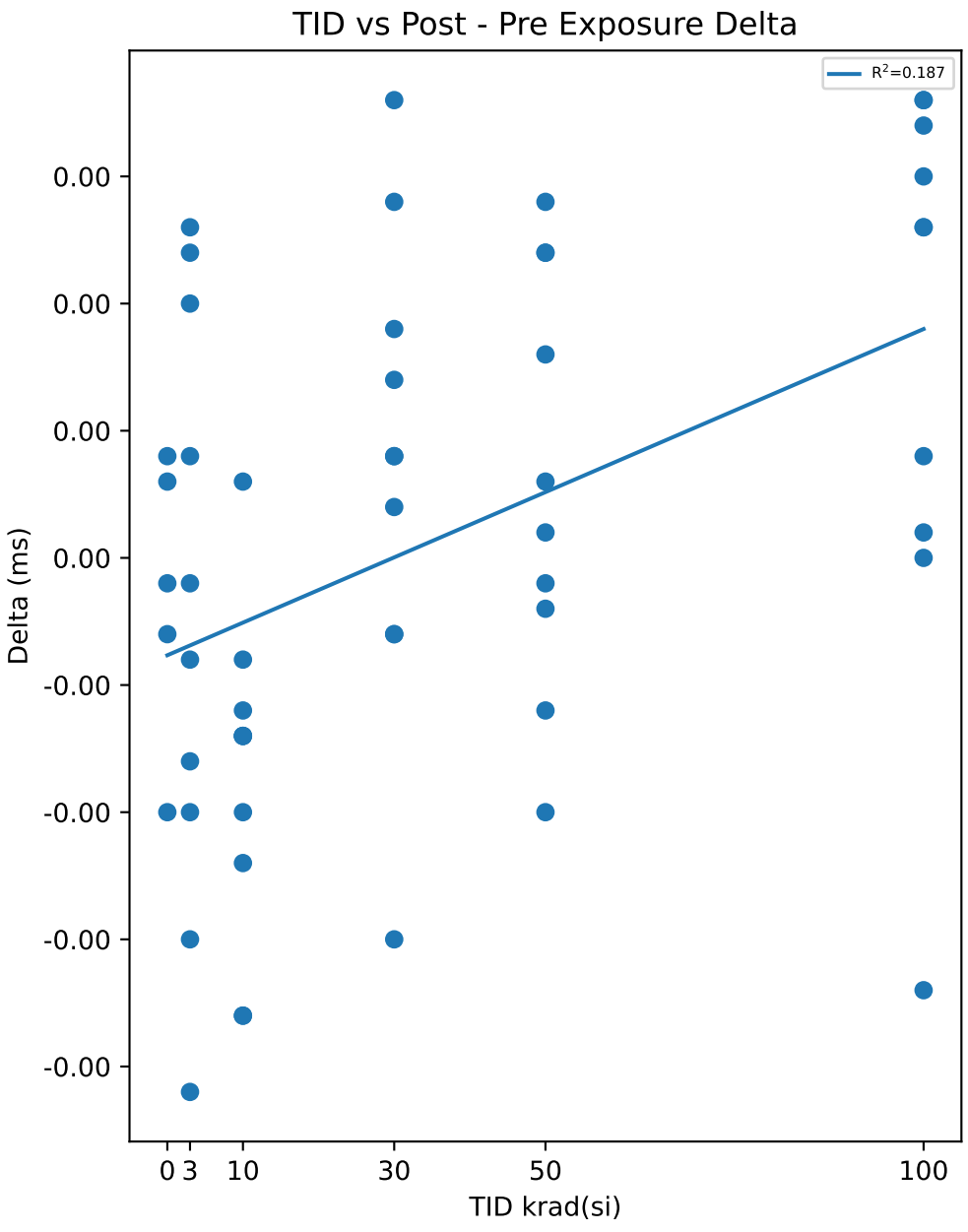
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2598	0.2593	-0.0005
2	3	Biased	0.269	0.2677	-0.0013
3	3	Biased	0.2684	0.2677	-0.0007
4	3	Biased	0.2693	0.2701	0.0008
5	3	Biased	0.2605	0.2607	0.0002
6	3	Unbiased	0.2677	0.2684	0.0007
7	3	Unbiased	0.2694	0.2686	-0.0008
8	3	Unbiased	0.2632	0.262	-0.0012
9	3	Unbiased	0.2707	0.2702	-0.0005
10	3	Unbiased	0.2682	0.2692	0.001
11	10	Biased	0.2708	0.2709	0.0001
12	10	Biased	0.2689	0.2688	-0.0001
13	10	Biased	0.2687	0.27	0.0013
14	10	Biased	0.2615	0.2616	0.0001
15	10	Biased	0.2689	0.2676	-0.0013
16	10	Unbiased	0.2622	0.2615	-0.0007
17	10	Unbiased	0.2678	0.2687	0.0009
18	10	Unbiased	0.2593	0.2593	0
19	10	Unbiased	0.27	0.2709	0.0009
20	10	Unbiased	0.2684	0.2668	-0.0016
21	30	Biased	0.2708	0.2724	0.0016
22	30	Biased	0.2715	0.2704	-0.0011
23	30	Biased	0.2676	0.2698	0.0022
24	30	Biased	0.2612	0.2615	0.0003
25	30	Biased	0.2591	0.2601	0.001
26	30	Unbiased	0.27	0.269	-0.001
27	30	Unbiased	0.2625	0.262	-0.0005
28	30	Unbiased	0.2667	0.2681	0.0014
29	30	Unbiased	0.271	0.2706	-0.0004
30	30	Unbiased	0.2691	0.2704	0.0013
31	50	Biased	0.2706	0.2707	0.0001
32	50	Biased	0.2673	0.2683	0.001
33	50	Biased	0.2697	0.2708	0.0011
34	50	Biased	0.2629	0.2641	0.0012
35	50	Biased	0.2627	0.2639	0.0012
36	50	Unbiased	0.2701	0.2705	0.0004
37	50	Unbiased	0.2616	0.2612	-0.0004
38	50	Unbiased	0.2702	0.2709	0.0007
39	50	Unbiased	0.2698	0.2699	0.0001
40	50	Unbiased	0.2677	0.2675	-0.0002
41	100	Biased	0.2668	0.2709	0.0041
42	100	Biased	0.2681	0.2701	0.002
43	100	Biased	0.2704	0.2713	0.0009
44	100	Biased	0.2686	0.2692	0.0006
45	100	Biased	0.261	0.2636	0.0026
46	100	Unbiased	0.2704	0.2696	-0.0008
47	100	Unbiased	0.2666	0.2672	0.0006
48	100	Unbiased	0.268	0.2694	0.0014
49	100	Unbiased	0.2699	0.2681	-0.0018
50	100	Unbiased	0.2633	0.2643	0.001
51	0	Correlation	0.2698	0.269	-0.0008
53	0	Correlation	0.2686	0.2684	-0.0002
54	0	Correlation	0.263	0.2636	0.0006
55	0	Correlation	0.2693	0.2688	-0.0005
56	0	Correlation	0.2697	0.2695	-0.0002

Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.263	0.26808	0.2698	0.0028787	0.2636	0.26786	0.2695	0.0024141	-0.0008	-0.00022	0.0006	0.00052154
3	0.2598	0.26662	0.2707	0.0039401	0.2593	0.26639	0.2702	0.0040886	-0.0013	-0.00023	0.001	0.00084334
10	0.2593	0.26665	0.2708	0.0040484	0.2593	0.26661	0.2709	0.0042574	-0.0016	-4e-05	0.0013	0.00094657
30	0.2591	0.26695	0.2715	0.0044824	0.2601	0.26743	0.2724	0.0044634	-0.0011	0.00048	0.0022	0.0011764
50	0.2616	0.26726	0.2706	0.0035325	0.2612	0.26778	0.2709	0.00352	-0.0004	0.00052	0.0012	0.00060148
100	0.261	0.26731	0.2704	0.0030773	0.2636	0.26837	0.2713	0.0026247	-0.0018	0.00106	0.0041	0.0016568

Device Test: 5.76; DLY_TMR_10KOHM





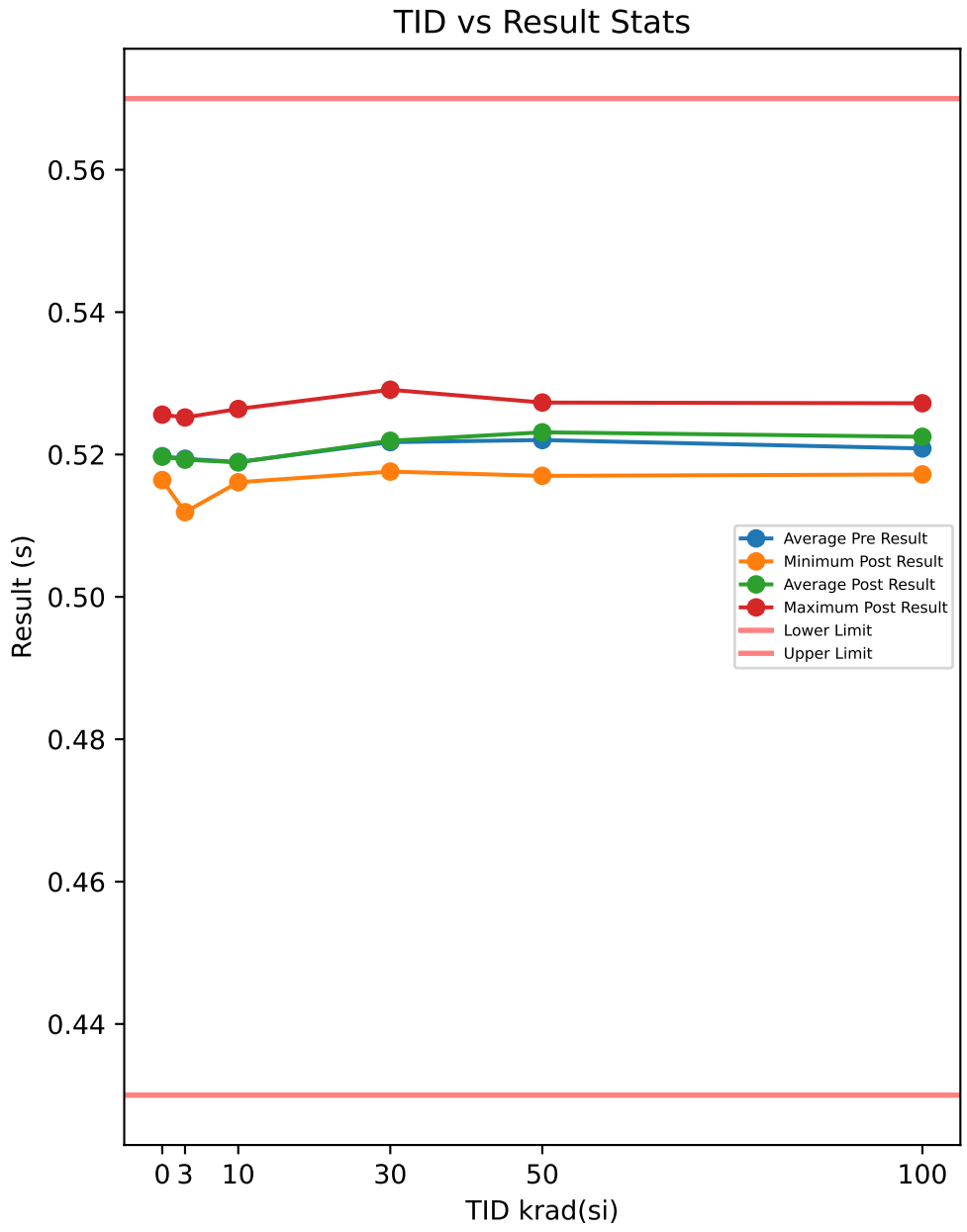
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2597	0.2609	0.0012
2	3	Biased	0.2706	0.2698	-0.0008
3	3	Biased	0.271	0.2689	-0.0021
4	3	Biased	0.2703	0.2699	-0.0004
5	3	Biased	0.2623	0.2627	0.0004
6	3	Unbiased	0.2699	0.2684	-0.0015
7	3	Unbiased	0.2696	0.2706	0.001
8	3	Unbiased	0.2629	0.2642	0.0013
9	3	Unbiased	0.2701	0.27	-0.0001
10	3	Unbiased	0.2704	0.2694	-0.001
11	10	Biased	0.2713	0.2707	-0.0006
12	10	Biased	0.2718	0.27	-0.0018
13	10	Biased	0.2709	0.2699	-0.001
14	10	Biased	0.2637	0.2619	-0.0018
15	10	Biased	0.2691	0.2687	-0.0004
16	10	Unbiased	0.2627	0.263	0.0003
17	10	Unbiased	0.2704	0.2697	-0.0007
18	10	Unbiased	0.262	0.2613	-0.0007
19	10	Unbiased	0.2708	0.2701	-0.0007
20	10	Unbiased	0.2692	0.268	-0.0012
21	30	Biased	0.2729	0.2733	0.0004
22	30	Biased	0.2713	0.272	0.0007
23	30	Biased	0.2694	0.2708	0.0014
24	30	Biased	0.2615	0.2619	0.0004
25	30	Biased	0.2593	0.2595	0.0002
26	30	Unbiased	0.2717	0.2702	-0.0015
27	30	Unbiased	0.2629	0.2626	-0.0003
28	30	Unbiased	0.2683	0.268	-0.0003
29	30	Unbiased	0.2711	0.272	0.0009
30	30	Unbiased	0.2701	0.2719	0.0018
31	50	Biased	0.2733	0.2727	-0.0006
32	50	Biased	0.2691	0.2681	-0.001
33	50	Biased	0.2718	0.2721	0.0003
34	50	Biased	0.2635	0.2643	0.0008
35	50	Biased	0.2637	0.2649	0.0012
36	50	Unbiased	0.271	0.2722	0.0012
37	50	Unbiased	0.2627	0.2628	0.0001
38	50	Unbiased	0.2721	0.2719	-0.0002
39	50	Unbiased	0.2711	0.271	-0.0001
40	50	Unbiased	0.2683	0.2697	0.0014
41	100	Biased	0.2693	0.2708	0.0015
42	100	Biased	0.2683	0.27	0.0017
43	100	Biased	0.2706	0.2706	0
44	100	Biased	0.2702	0.2715	0.0013
45	100	Biased	0.2631	0.2635	0.0004
46	100	Unbiased	0.2696	0.2709	0.0013
47	100	Unbiased	0.2677	0.2695	0.0018
48	100	Unbiased	0.2697	0.2698	0.0001
49	100	Unbiased	0.271	0.2693	-0.0017
50	100	Unbiased	0.2638	0.2656	0.0018
51	0	Correlation	0.2708	0.2698	-0.001
53	0	Correlation	0.2687	0.2691	0.0004
54	0	Correlation	0.2641	0.2638	-0.0003
55	0	Correlation	0.2698	0.2701	0.0003
56	0	Correlation	0.2722	0.2721	-0.0001

Test Statistics (ms)

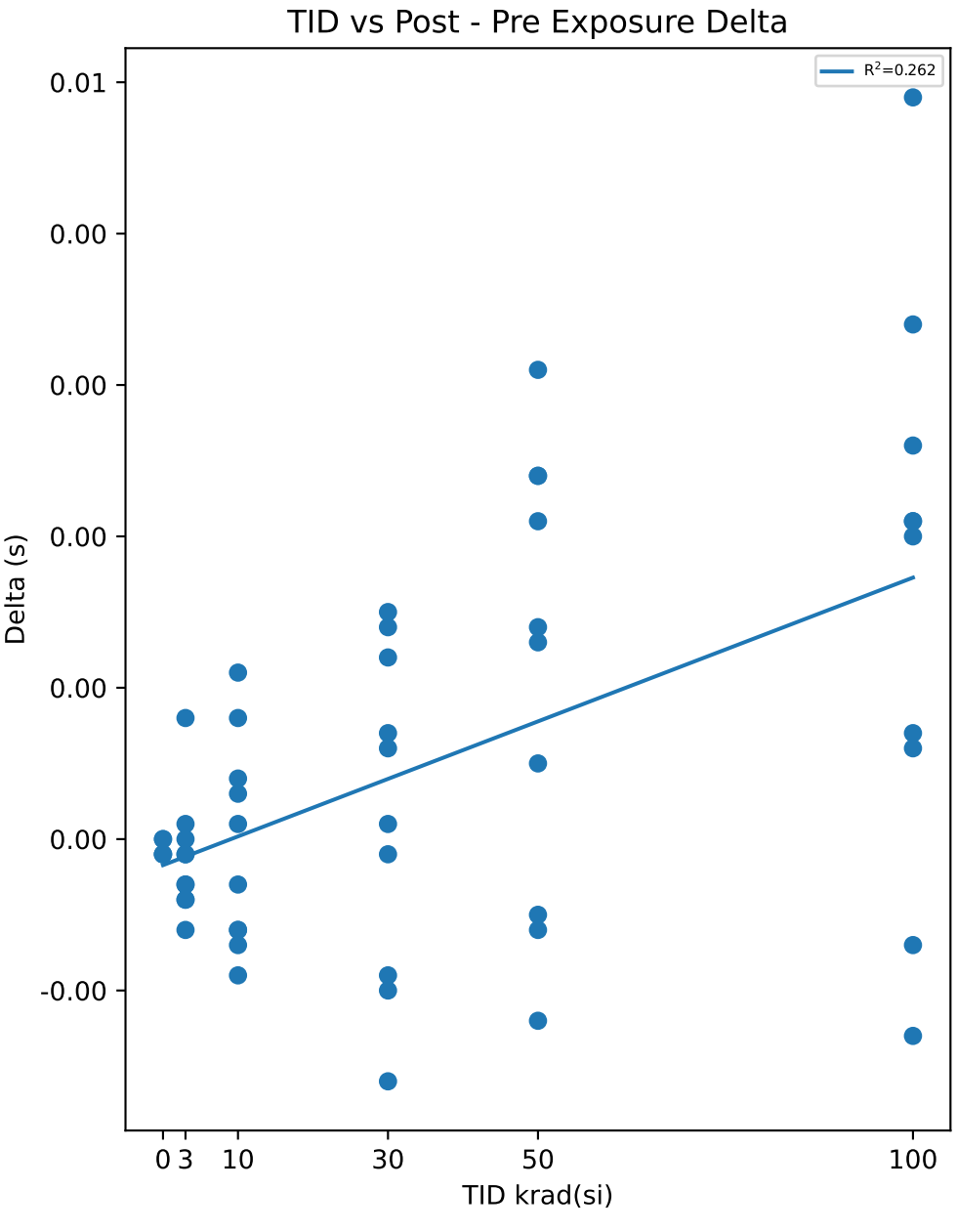
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2641	0.26912	0.2722	0.0030882	0.2638	0.26898	0.2721	0.0031027	-0.001	-0.00014	0.0004	0.00055946
3	0.2597	0.26768	0.271	0.0042656	0.2609	0.26748	0.2706	0.0035083	-0.0021	-0.0002	0.0013	0.0011719
10	0.262	0.26819	0.2718	0.0038327	0.2613	0.26733	0.2707	0.0037313	-0.0018	-0.00086	0.0003	0.00063281
30	0.2593	0.26785	0.2729	0.0048118	0.2595	0.26822	0.2733	0.0050124	-0.0015	0.00037	0.0018	0.00093814
50	0.2627	0.26866	0.2733	0.0039683	0.2628	0.26897	0.2727	0.0037205	-0.001	0.00031	0.0014	0.00081847
100	0.2631	0.26833	0.271	0.0027584	0.2635	0.26915	0.2715	0.0025653	-0.0017	0.00082	0.0018	0.0011223

Device Test: 5.77; WD_TMR_10KOHM



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

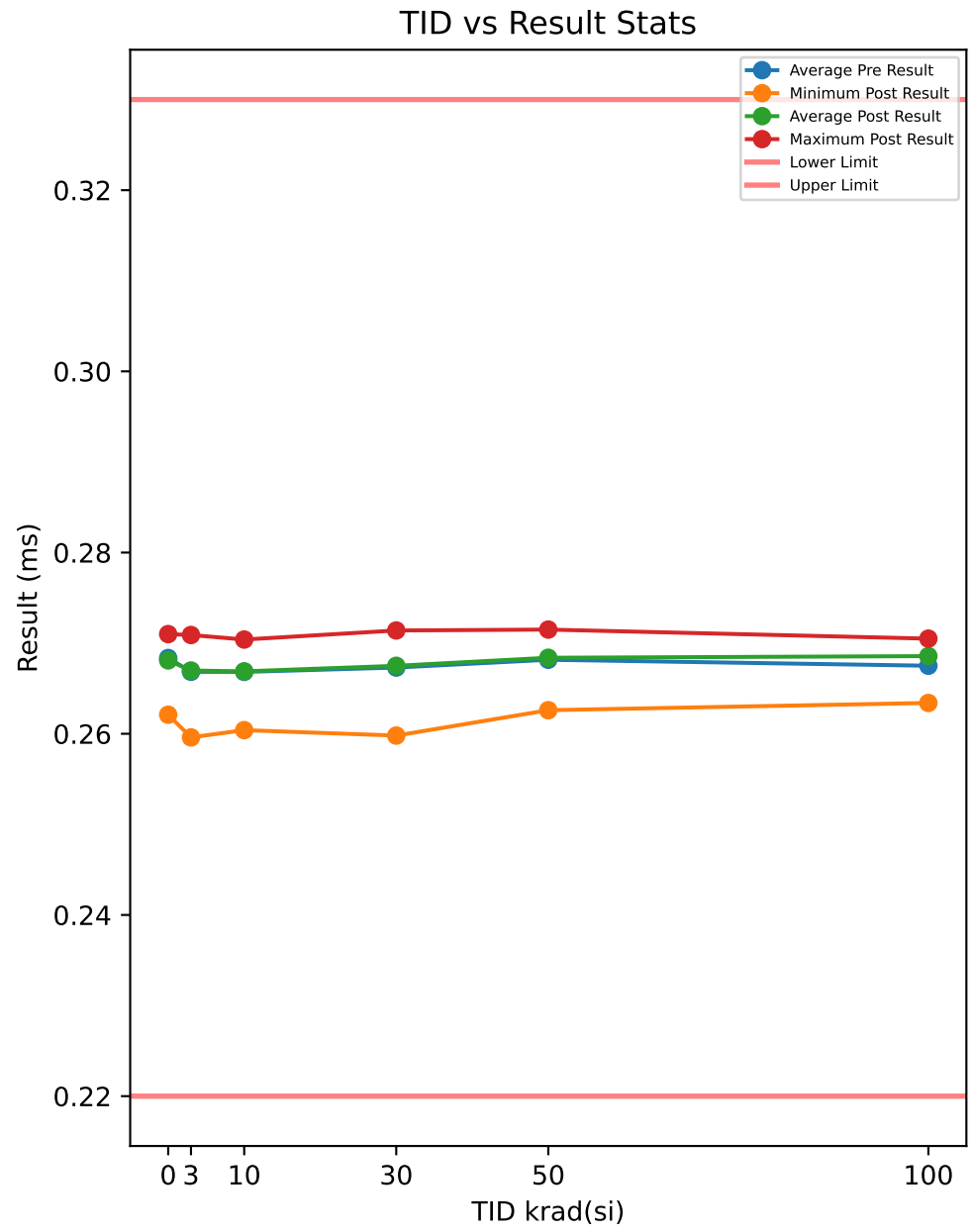
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.5207	0.5206	-0.0001
2	3	Biased	0.5123	0.5119	-0.0004
3	3	Biased	0.5161	0.516	-0.0001
4	3	Biased	0.5255	0.5252	-0.0003
5	3	Biased	0.517	0.5167	-0.0003
6	3	Unbiased	0.524	0.5241	0.0001
7	3	Unbiased	0.5198	0.5192	-0.0006
8	3	Unbiased	0.5127	0.5123	-0.0004
9	3	Unbiased	0.5228	0.5228	0
10	3	Unbiased	0.5231	0.5239	0.0008
11	10	Biased	0.5183	0.5174	-0.0009
12	10	Biased	0.52	0.5197	-0.0003
13	10	Biased	0.5261	0.5264	0.0003
14	10	Biased	0.5173	0.5167	-0.0006
15	10	Biased	0.5174	0.5168	-0.0006
16	10	Unbiased	0.5188	0.5192	0.0004
17	10	Unbiased	0.515	0.5161	0.0011
18	10	Unbiased	0.5211	0.5204	-0.0007
19	10	Unbiased	0.5188	0.5196	0.0008
20	10	Unbiased	0.5166	0.5167	0.0001
21	30	Biased	0.5195	0.5185	-0.001
22	30	Biased	0.5267	0.5251	-0.0016
23	30	Biased	0.5239	0.5253	0.0014
24	30	Biased	0.5207	0.5219	0.0012
25	30	Biased	0.5228	0.5219	-0.0009
26	30	Unbiased	0.5169	0.5176	0.0007
27	30	Unbiased	0.5192	0.5191	-0.0001
28	30	Unbiased	0.5187	0.5188	0.0001
29	30	Unbiased	0.5276	0.5291	0.0015
30	30	Unbiased	0.5214	0.522	0.0006
31	50	Biased	0.5234	0.5239	0.0005
32	50	Biased	0.5229	0.5243	0.0014
33	50	Biased	0.525	0.5263	0.0013
34	50	Biased	0.5216	0.5211	-0.0005
35	50	Biased	0.5249	0.5273	0.0024
36	50	Unbiased	0.5182	0.517	-0.0012
37	50	Unbiased	0.5251	0.5272	0.0021
38	50	Unbiased	0.5206	0.52	-0.0006
39	50	Unbiased	0.5204	0.5235	0.0031
40	50	Unbiased	0.5182	0.5206	0.0024
41	100	Biased	0.5226	0.5232	0.0006
42	100	Biased	0.5224	0.5244	0.002
43	100	Biased	0.5172	0.5193	0.0021
44	100	Biased	0.5178	0.5227	0.0049
45	100	Biased	0.5215	0.5241	0.0026
46	100	Unbiased	0.5189	0.5196	0.0007
47	100	Unbiased	0.5151	0.5172	0.0021
48	100	Unbiased	0.524	0.5227	-0.0013
49	100	Unbiased	0.5279	0.5272	-0.0007
50	100	Unbiased	0.5211	0.5245	0.0034
51	0	Correlation	0.5207	0.5206	-0.0001
53	0	Correlation	0.5164	0.5164	0
54	0	Correlation	0.5195	0.5194	-0.0001
55	0	Correlation	0.5165	0.5165	0
56	0	Correlation	0.5257	0.5256	-0.0001

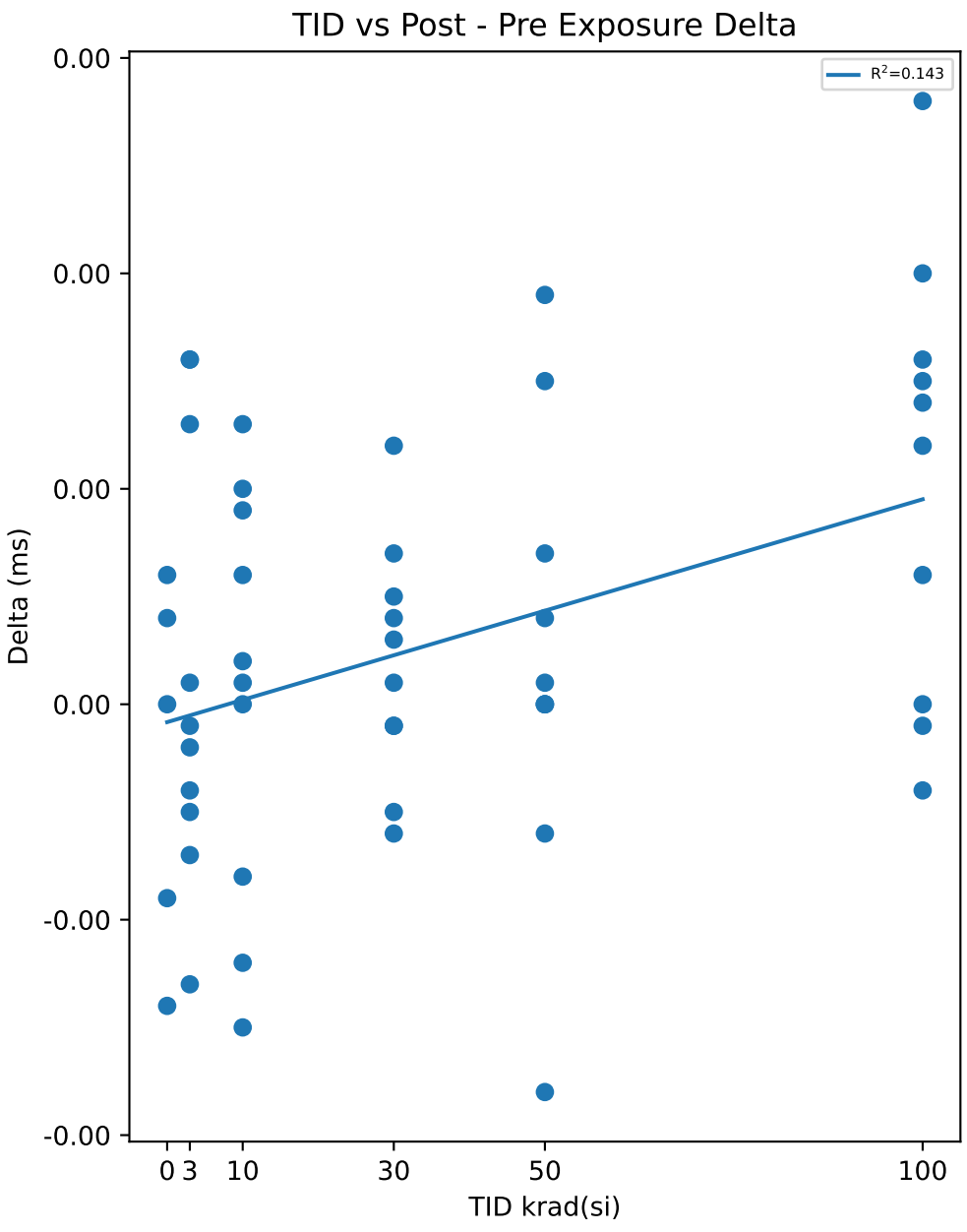


Test Statistics (s)

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	0.5164	0.51976	0.5257	0.0038129	0.5164	0.5197	0.5256	0.0037696	-0.0001	-6e-05	0	5.4772e-05
3	0.5123	0.5194	0.5255	0.0046835	0.5119	0.51927	0.5252	0.0048804	-0.0006	-0.00013	0.0008	0.00038887
10	0.515	0.51894	0.5261	0.0030471	0.5161	0.5189	0.5264	0.0030532	-0.0009	-4e-05	0.0011	0.00068346
30	0.5169	0.52174	0.5276	0.003497	0.5176	0.52193	0.5291	0.0036688	-0.0016	0.00019	0.0015	0.0010816
50	0.5182	0.52203	0.5251	0.0026529	0.517	0.52312	0.5273	0.0033993	-0.0012	0.00109	0.0031	0.0014761
100	0.5151	0.52085	0.5279	0.0037277	0.5172	0.52249	0.5272	0.0029734	-0.0013	0.00164	0.0049	0.0018644

Device Test: 5.78; DLY_TMR_10KOHM





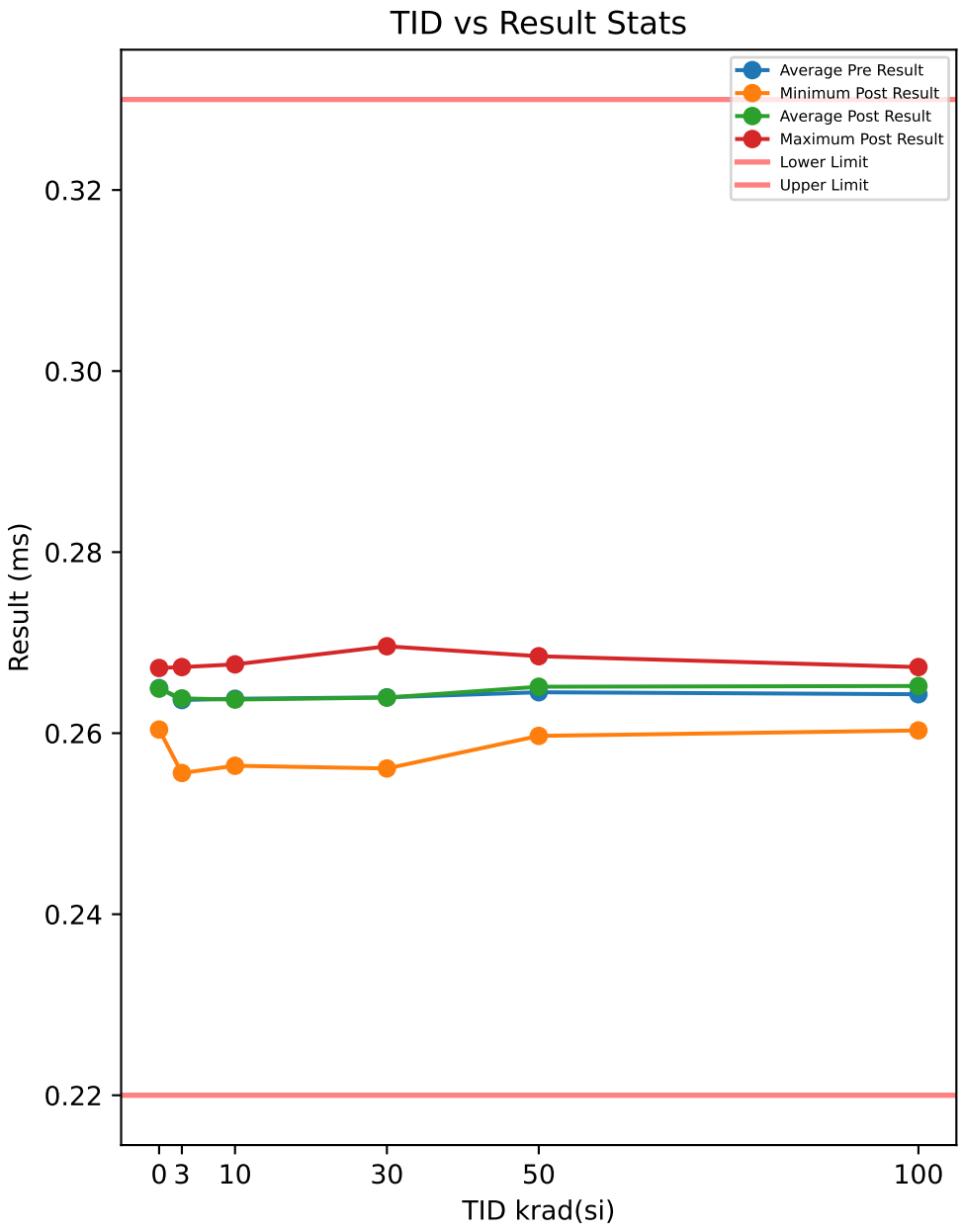
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

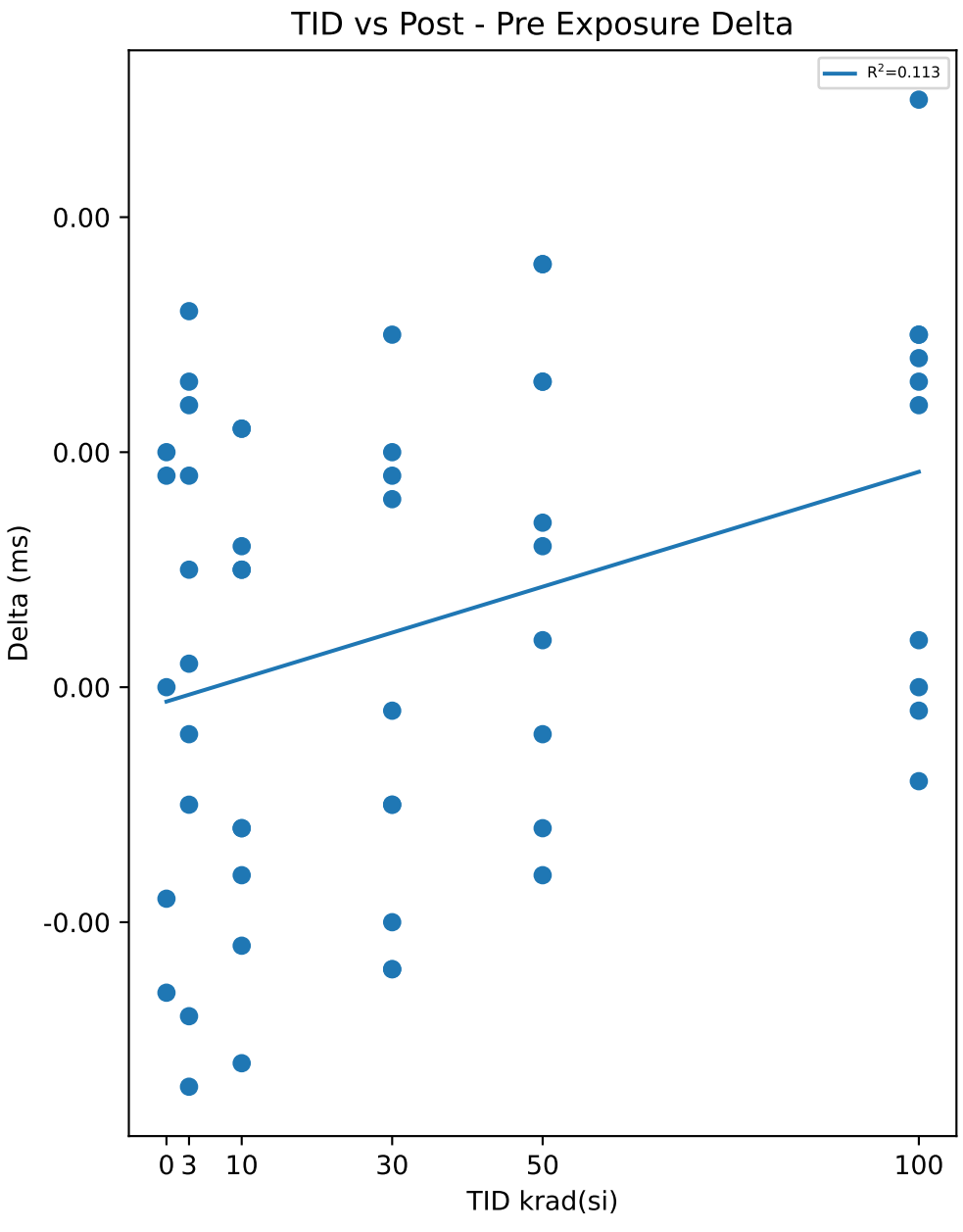
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2595	0.2596	0.0001
2	3	Biased	0.2694	0.269	-0.0004
3	3	Biased	0.27	0.2698	-0.0002
4	3	Biased	0.269	0.2703	0.0013
5	3	Biased	0.2608	0.2607	-0.0001
6	3	Unbiased	0.2689	0.2682	-0.0007
7	3	Unbiased	0.2689	0.2705	0.0016
8	3	Unbiased	0.2626	0.2621	-0.0005
9	3	Unbiased	0.2693	0.2709	0.0016
10	3	Unbiased	0.27	0.2687	-0.0013
11	10	Biased	0.2697	0.2703	0.0006
12	10	Biased	0.269	0.269	0
13	10	Biased	0.2704	0.2689	-0.0015
14	10	Biased	0.2611	0.2624	0.0013
15	10	Biased	0.2687	0.2675	-0.0012
16	10	Unbiased	0.2633	0.2625	-0.0008
17	10	Unbiased	0.268	0.269	0.001
18	10	Unbiased	0.2603	0.2604	0.0001
19	10	Unbiased	0.2702	0.2704	0.0002
20	10	Unbiased	0.2676	0.2685	0.0009
21	30	Biased	0.272	0.2714	-0.0006
22	30	Biased	0.2711	0.271	-0.0001
23	30	Biased	0.2689	0.2701	0.0012
24	30	Biased	0.2613	0.2618	0.0005
25	30	Biased	0.2595	0.2598	0.0003
26	30	Unbiased	0.2689	0.2693	0.0004
27	30	Unbiased	0.2627	0.2634	0.0007
28	30	Unbiased	0.2681	0.2676	-0.0005
29	30	Unbiased	0.2711	0.271	-0.0001
30	30	Unbiased	0.2695	0.2696	0.0001
31	50	Biased	0.2725	0.2707	-0.0018
32	50	Biased	0.2676	0.2683	0.0007
33	50	Biased	0.2716	0.271	-0.0006
34	50	Biased	0.2625	0.2644	0.0019
35	50	Biased	0.2643	0.2644	0.0001
36	50	Unbiased	0.2708	0.2708	0
37	50	Unbiased	0.2611	0.2626	0.0015
38	50	Unbiased	0.2715	0.2715	0
39	50	Unbiased	0.2713	0.2713	0
40	50	Unbiased	0.2685	0.2689	0.0004
41	100	Biased	0.2687	0.2701	0.0014
42	100	Biased	0.2678	0.2694	0.0016
43	100	Biased	0.2692	0.2704	0.0012
44	100	Biased	0.2677	0.2705	0.0028
45	100	Biased	0.2628	0.2634	0.0006
46	100	Unbiased	0.2703	0.2703	0
47	100	Unbiased	0.267	0.269	0.002
48	100	Unbiased	0.2679	0.2694	0.0015
49	100	Unbiased	0.2697	0.2693	-0.0004
50	100	Unbiased	0.264	0.2639	-0.0001
51	0	Correlation	0.2697	0.2703	0.0006
53	0	Correlation	0.2691	0.2677	-0.0014
54	0	Correlation	0.263	0.2621	-0.0009
55	0	Correlation	0.2694	0.2694	0
56	0	Correlation	0.2706	0.271	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	0.263	0.26836	0.2706	0.0030484	0.2621	0.2681	0.271	0.0035742	-0.0014	-0.00026	0.0006	0.00085907
3	0.2595	0.26684	0.27	0.0041374	0.2596	0.26698	0.2709	0.004384	-0.0013	0.00014	0.0016	0.0010146
10	0.2603	0.26683	0.2704	0.003807	0.2604	0.26689	0.2704	0.0036729	-0.0015	6e-05	0.0013	0.00095475
30	0.2595	0.26731	0.272	0.0044668	0.2598	0.2675	0.2714	0.0042521	-0.0006	0.00019	0.0012	0.00054863
50	0.2611	0.26817	0.2725	0.0041615	0.2626	0.26839	0.2715	0.003362	-0.0018	0.00022	0.0019	0.0010347
100	0.2628	0.26751	0.2703	0.0024011	0.2634	0.26857	0.2705	0.0026466	-0.0004	0.00106	0.0028	0.0010189

Device Test: 5.79; DLY_TMR_10KOHM





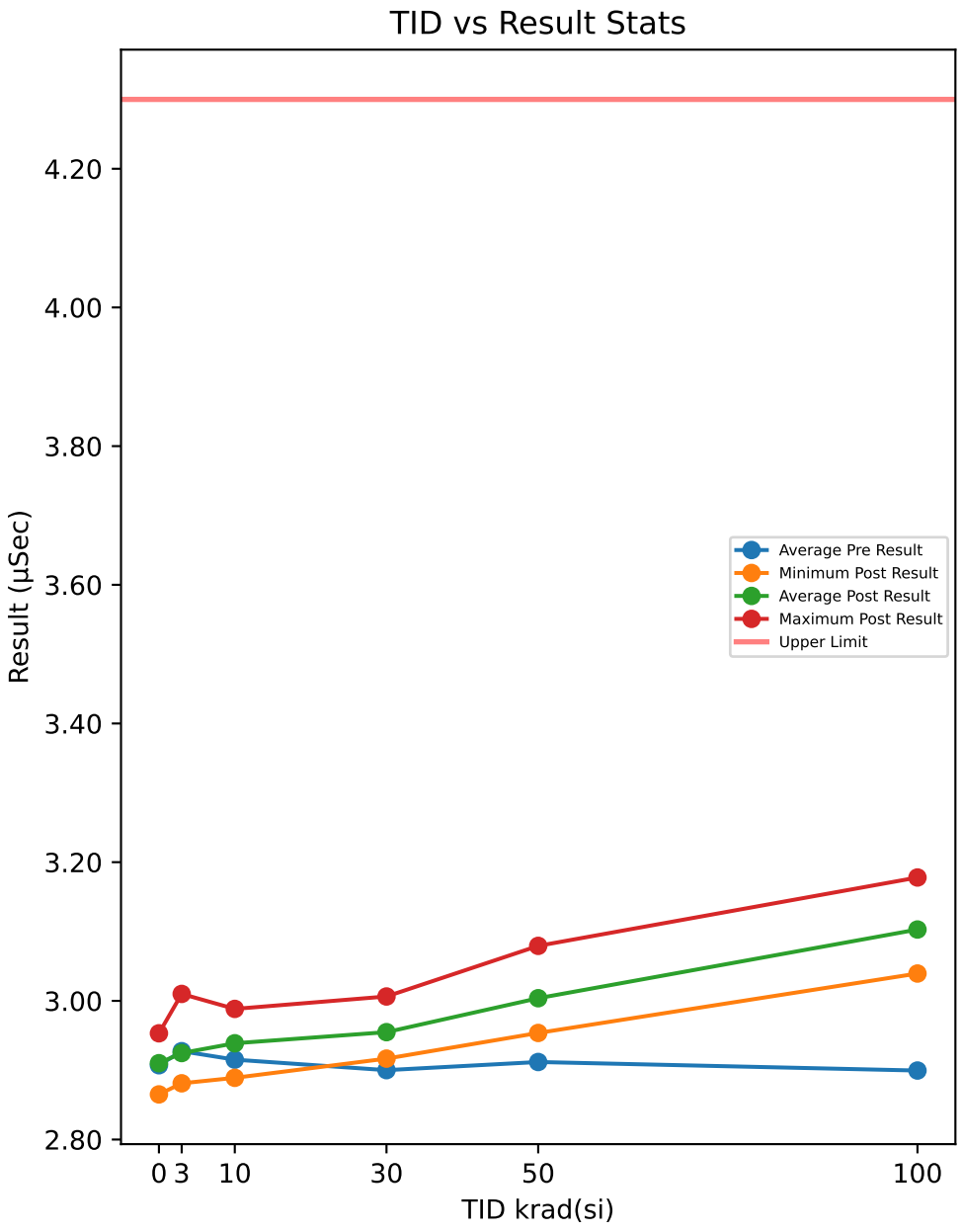
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

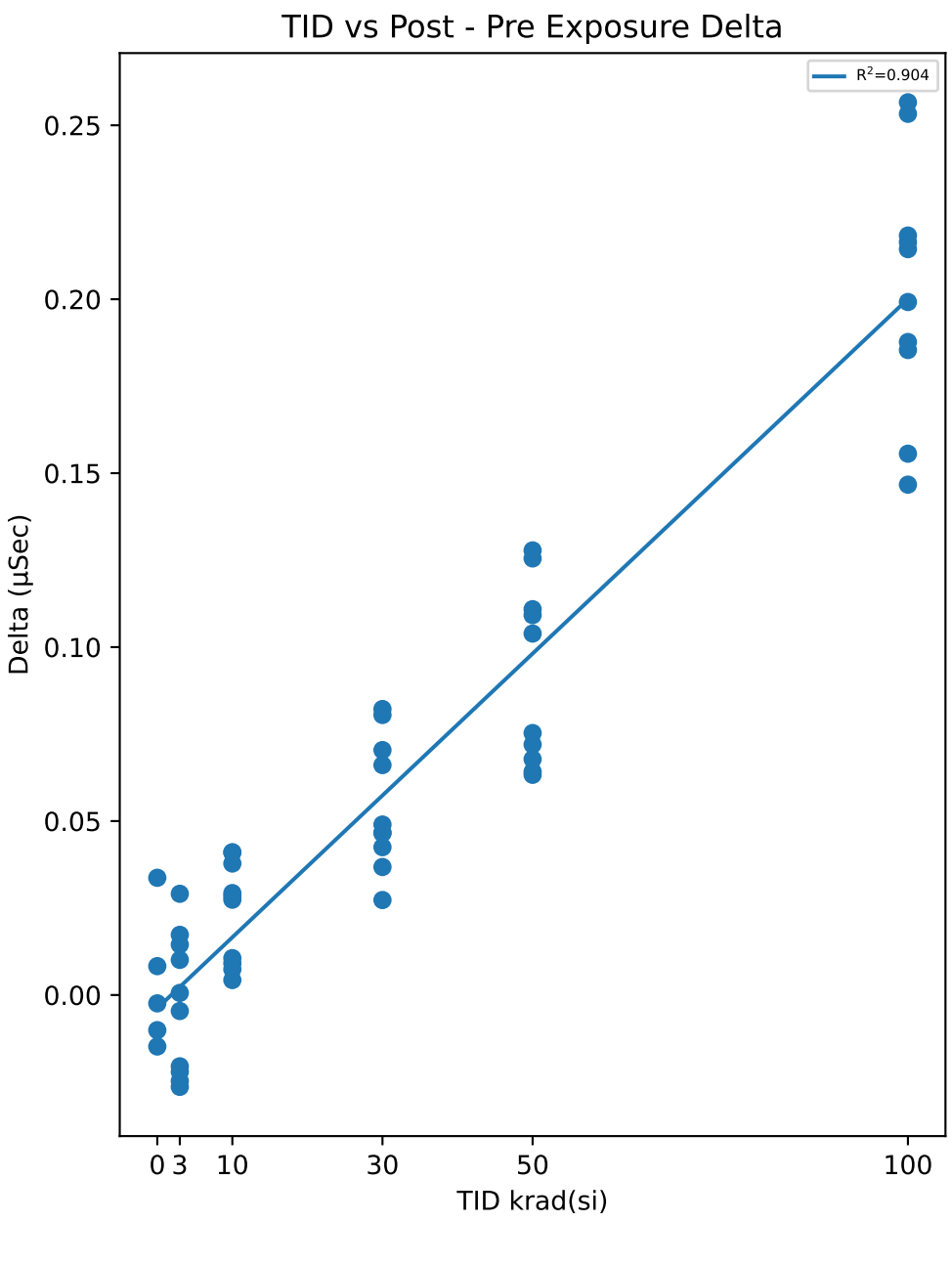
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.257	0.2556	-0.0014
2	3	Biased	0.2654	0.2666	0.0012
3	3	Biased	0.2652	0.2653	0.0001
4	3	Biased	0.2658	0.2667	0.0009
5	3	Biased	0.2572	0.2588	0.0016
6	3	Unbiased	0.2646	0.2659	0.0013
7	3	Unbiased	0.2668	0.2673	0.0005
8	3	Unbiased	0.2598	0.2593	-0.0005
9	3	Unbiased	0.268	0.2663	-0.0017
10	3	Unbiased	0.2668	0.2666	-0.0002
11	10	Biased	0.2665	0.2676	0.0011
12	10	Biased	0.2667	0.2661	-0.0006
13	10	Biased	0.2669	0.2661	-0.0008
14	10	Biased	0.2581	0.2592	0.0011
15	10	Biased	0.2657	0.2651	-0.0006
16	10	Unbiased	0.2597	0.2586	-0.0011
17	10	Unbiased	0.2656	0.2661	0.0005
18	10	Unbiased	0.258	0.2564	-0.0016
19	10	Unbiased	0.2662	0.2667	0.0005
20	10	Unbiased	0.2646	0.2652	0.0006
21	30	Biased	0.2681	0.2696	0.0015
22	30	Biased	0.268	0.2675	-0.0005
23	30	Biased	0.2646	0.2655	0.0009
24	30	Biased	0.2577	0.2576	-0.0001
25	30	Biased	0.2553	0.2561	0.0008
26	30	Unbiased	0.2675	0.2663	-0.0012
27	30	Unbiased	0.2591	0.2586	-0.0005
28	30	Unbiased	0.2646	0.2634	-0.0012
29	30	Unbiased	0.2682	0.2672	-0.001
30	30	Unbiased	0.2665	0.2675	0.001
31	50	Biased	0.2682	0.268	-0.0002
32	50	Biased	0.2643	0.2656	0.0013
33	50	Biased	0.2677	0.2669	-0.0008
34	50	Biased	0.2602	0.2609	0.0007
35	50	Biased	0.2598	0.2616	0.0018
36	50	Unbiased	0.2681	0.2675	-0.0006
37	50	Unbiased	0.2579	0.2597	0.0018
38	50	Unbiased	0.2672	0.2685	0.0013
39	50	Unbiased	0.267	0.2676	0.0006
40	50	Unbiased	0.2648	0.265	0.0002
41	100	Biased	0.2651	0.2666	0.0015
42	100	Biased	0.266	0.2673	0.0013
43	100	Biased	0.2671	0.2667	-0.0004
44	100	Biased	0.2645	0.267	0.0025
45	100	Biased	0.2591	0.2603	0.0012
46	100	Unbiased	0.2663	0.2665	0.0002
47	100	Unbiased	0.2638	0.2652	0.0014
48	100	Unbiased	0.2661	0.2661	0
49	100	Unbiased	0.2656	0.2655	-0.0001
50	100	Unbiased	0.2594	0.2609	0.0015
51	0	Correlation	0.2663	0.2663	0
53	0	Correlation	0.2653	0.264	-0.0013
54	0	Correlation	0.2595	0.2604	0.0009
55	0	Correlation	0.2657	0.2667	0.001
56	0	Correlation	0.2681	0.2672	-0.0009

Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2595	0.26498	0.2681	0.0032453	0.2604	0.26492	0.2672	0.0028084	-0.0013	-6e-05	0.001	0.0010359
3	0.257	0.26366	0.268	0.004088	0.2556	0.26384	0.2673	0.004239	-0.0017	0.00018	0.0016	0.0011341
10	0.258	0.2638	0.2669	0.0036742	0.2564	0.26371	0.2676	0.0040173	-0.0016	-9e-05	0.0011	0.000962
30	0.2553	0.26396	0.2682	0.0048195	0.2561	0.26393	0.2696	0.0047898	-0.0012	-3e-05	0.0015	0.0010045
50	0.2579	0.26452	0.2682	0.0038686	0.2597	0.26513	0.2685	0.0032407	-0.0008	0.00061	0.0018	0.00094687
100	0.2591	0.2643	0.2671	0.0028213	0.2603	0.26521	0.2673	0.0025155	-0.0004	0.00091	0.0025	0.0009291

Device Test: 5.8; PROPD_PWRGD





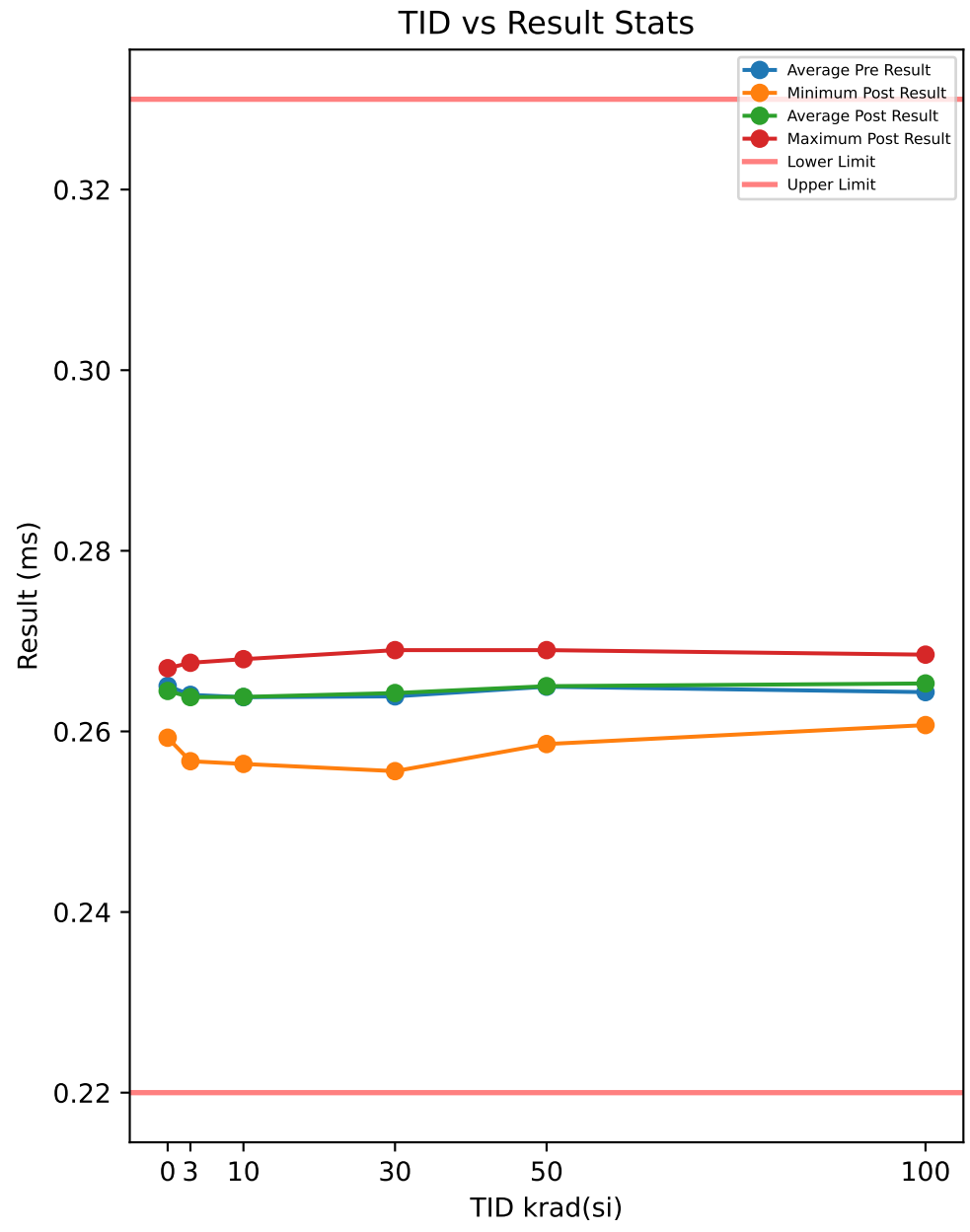
Test Results (Upper Limit = 4.3 (µSec))

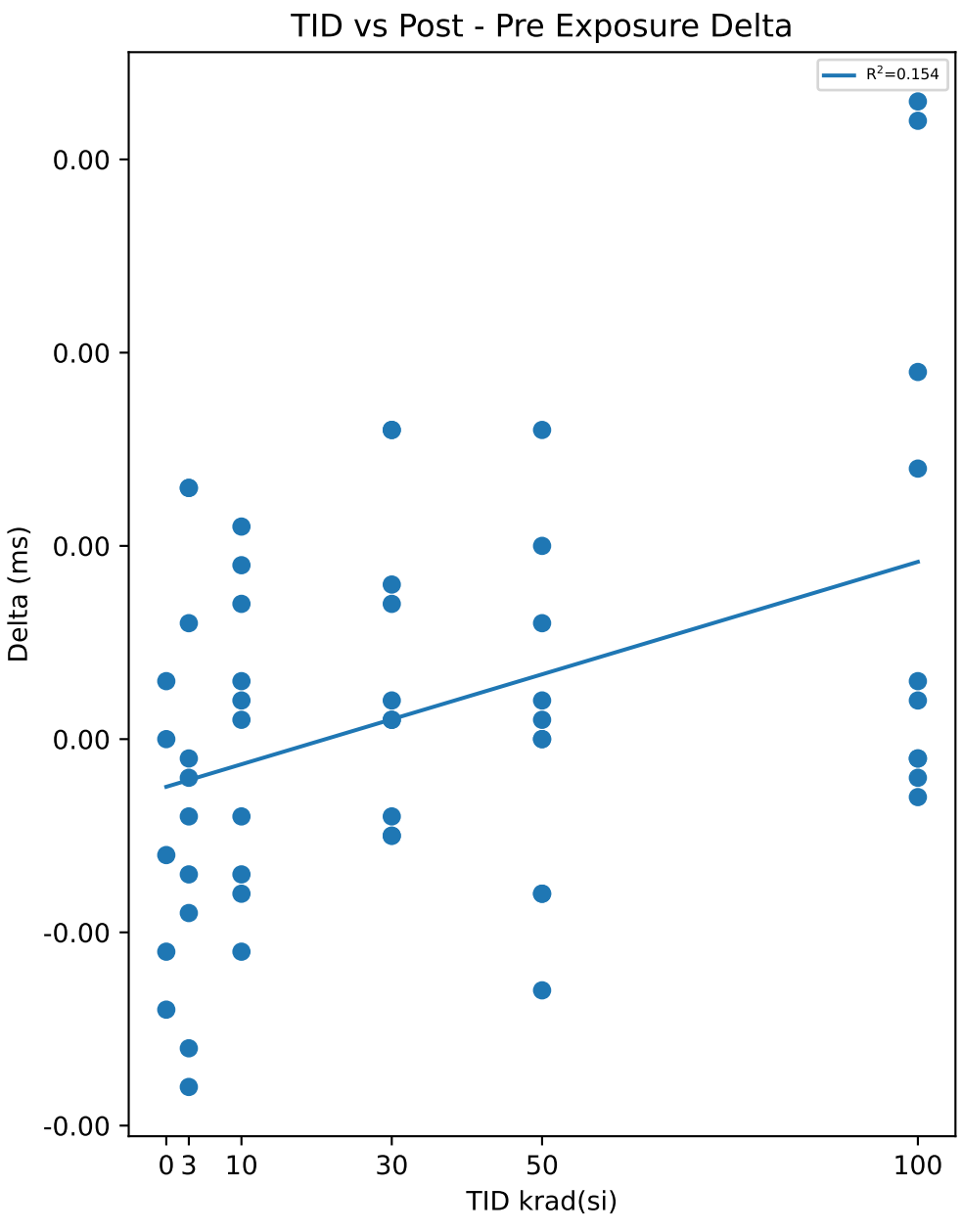
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.9903	2.9639	-0.0264
2	3	Biased	2.9809	3.01	0.0291
3	3	Biased	2.9608	2.9562	-0.0046
4	3	Biased	2.8828	2.9001	0.0173
5	3	Biased	2.9256	2.9262	0.0006
6	3	Unbiased	2.8921	2.9066	0.0145
7	3	Unbiased	2.9032	2.8811	-0.0221
8	3	Unbiased	2.8933	2.9034	0.0101
9	3	Unbiased	2.9153	2.8948	-0.0205
10	3	Unbiased	2.9298	2.9051	-0.0247
11	10	Biased	2.8935	2.9041	0.0106
12	10	Biased	2.9508	2.9792	0.0284
13	10	Biased	2.8847	2.8921	0.0074
14	10	Biased	2.8964	2.9055	0.0091
15	10	Biased	2.9538	2.9831	0.0293
16	10	Unbiased	2.8616	2.889	0.0274
17	10	Unbiased	2.9474	2.9884	0.041
18	10	Unbiased	2.949	2.9868	0.0378
19	10	Unbiased	2.8754	2.9164	0.041
20	10	Unbiased	2.9394	2.9437	0.0043
21	30	Biased	2.8822	2.9247	0.0425
22	30	Biased	2.8869	2.9237	0.0368
23	30	Biased	2.9596	3.0063	0.0467
24	30	Biased	2.8875	2.9365	0.049
25	30	Biased	2.8952	2.9225	0.0273
26	30	Unbiased	2.9396	3.0057	0.0661
27	30	Unbiased	2.8881	2.9703	0.0822
28	30	Unbiased	2.9213	3.0018	0.0805
29	30	Unbiased	2.8701	2.9405	0.0704
30	30	Unbiased	2.8702	2.9167	0.0465
31	50	Biased	2.8895	2.9537	0.0642
32	50	Biased	2.8919	2.9639	0.072
33	50	Biased	2.9028	2.9661	0.0633
34	50	Biased	2.9172	2.985	0.0678
35	50	Biased	2.9541	3.0294	0.0753
36	50	Unbiased	2.9515	3.0793	0.1278
37	50	Unbiased	2.9136	3.0228	0.1092
38	50	Unbiased	2.9024	3.0279	0.1255
39	50	Unbiased	2.9102	3.0211	0.1109
40	50	Unbiased	2.885	2.9889	0.1039
41	100	Biased	2.9925	3.1779	0.1854
42	100	Biased	2.8838	3.0394	0.1556
43	100	Biased	2.9099	3.1091	0.1992
44	100	Biased	2.8646	3.0523	0.1877
45	100	Biased	2.8986	3.0453	0.1467
46	100	Unbiased	2.891	3.1074	0.2164
47	100	Unbiased	2.9318	3.1462	0.2144
48	100	Unbiased	2.8584	3.0767	0.2183
49	100	Unbiased	2.8942	3.1475	0.2533
50	100	Unbiased	2.8703	3.1269	0.2566
51	0	Correlation	2.9038	2.9121	0.0083
53	0	Correlation	2.968	2.9532	-0.0148
54	0	Correlation	2.8745	2.9082	0.0337
55	0	Correlation	2.922	2.9119	-0.0101
56	0	Correlation	2.8675	2.8651	-0.0024

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	2.8675	2.9072	2.968	0.040536	2.8651	2.9101	2.9532	0.031199	-0.0148	0.00294	0.0337	0.019288
3	2.8828	2.9274	2.9903	0.038113	2.8811	2.9247	3.01	0.039962	-0.0264	-0.00267	0.0291	0.020067
10	2.8616	2.9152	2.9538	0.036108	2.889	2.9388	2.9884	0.041977	0.0043	0.02363	0.041	0.014496
30	2.8701	2.9001	2.9596	0.030121	2.9167	2.9549	3.0063	0.037416	0.0273	0.0548	0.0822	0.018803
50	2.885	2.9118	2.9541	0.023994	2.9537	3.0038	3.0793	0.039009	0.0633	0.09199	0.1278	0.025948
100	2.8584	2.8995	2.9925	0.039311	3.0394	3.1029	3.1779	0.047982	0.1467	0.20336	0.2566	0.036393

Device Test: 5.80; DLY_TMR_10KOHM





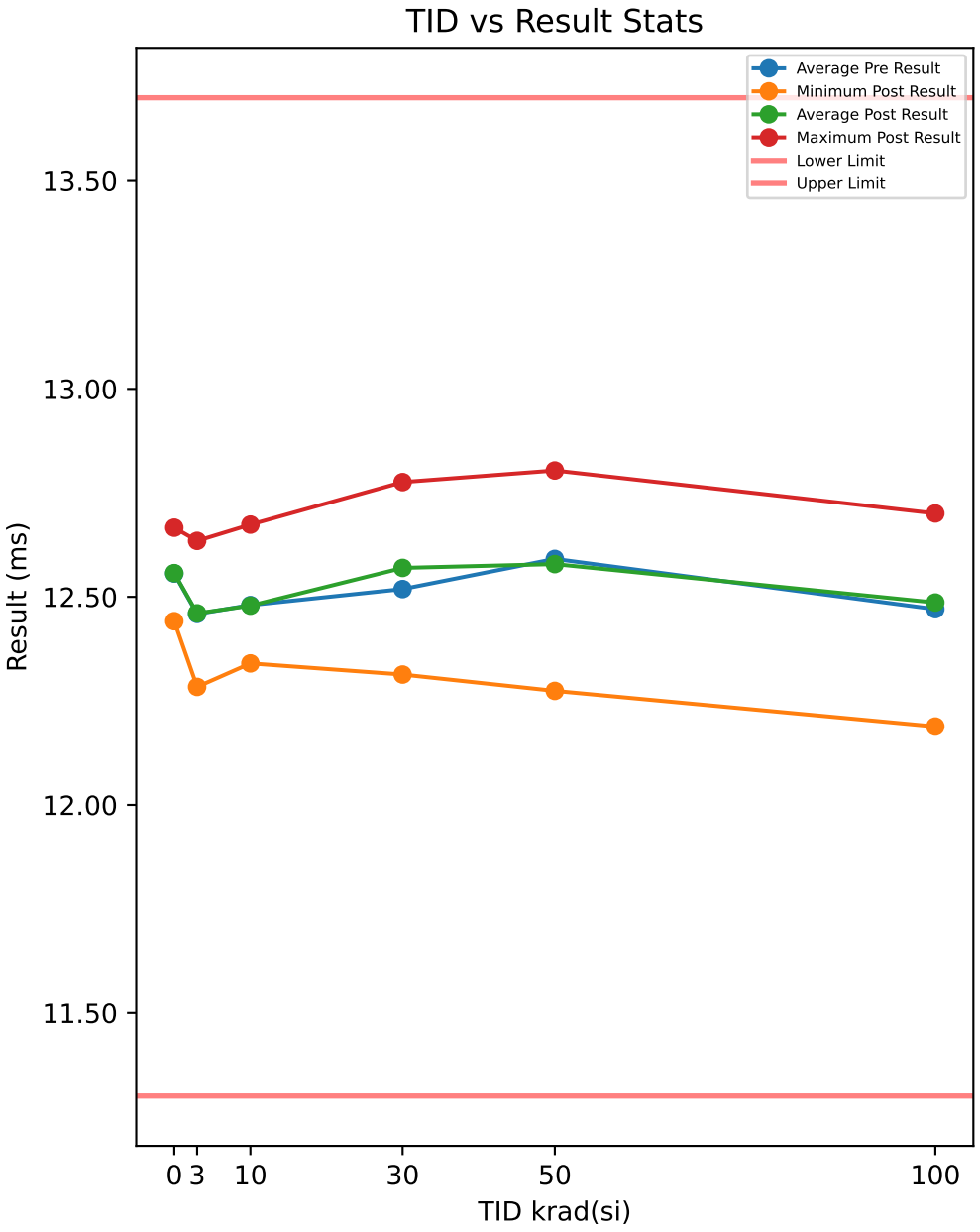
Test Results (Lower Limit = 0.22, Upper Limit = 0.33 (ms))

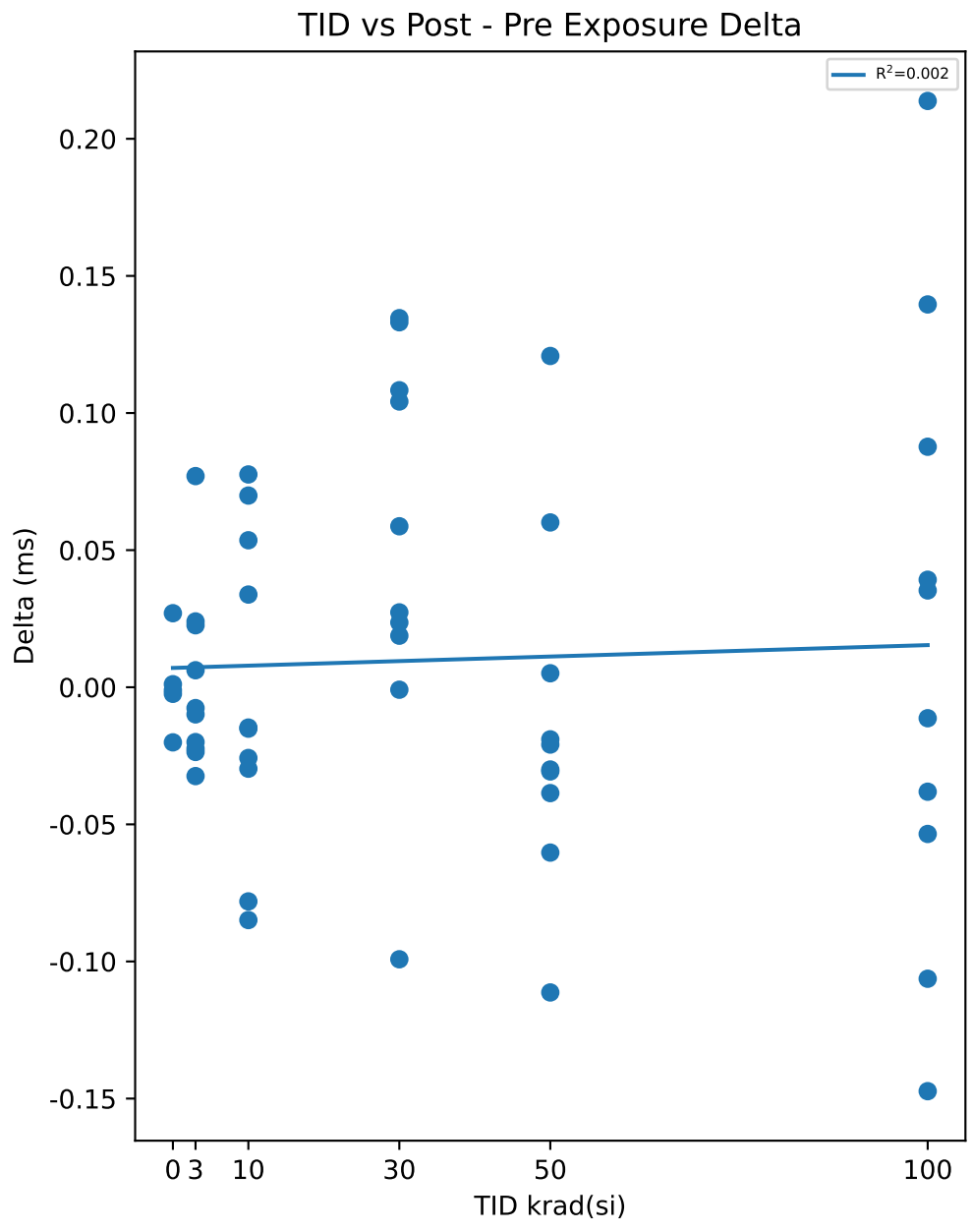
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2561	0.2567	0.0006
2	3	Biased	0.2669	0.2651	-0.0018
3	3	Biased	0.2667	0.2665	-0.0002
4	3	Biased	0.2663	0.2676	0.0013
5	3	Biased	0.2581	0.2574	-0.0007
6	3	Unbiased	0.2659	0.2658	-0.0001
7	3	Unbiased	0.2676	0.266	-0.0016
8	3	Unbiased	0.2593	0.2606	0.0013
9	3	Unbiased	0.2673	0.2664	-0.0009
10	3	Unbiased	0.2663	0.2659	-0.0004
11	10	Biased	0.2672	0.2665	-0.0007
12	10	Biased	0.2674	0.2663	-0.0011
13	10	Biased	0.2655	0.2662	0.0007
14	10	Biased	0.2595	0.2597	0.0002
15	10	Biased	0.2652	0.2661	0.0009
16	10	Unbiased	0.26	0.2596	-0.0004
17	10	Unbiased	0.2648	0.2649	0.0001
18	10	Unbiased	0.2572	0.2564	-0.0008
19	10	Unbiased	0.2669	0.268	0.0011
20	10	Unbiased	0.2642	0.2645	0.0003
21	30	Biased	0.2689	0.269	0.0001
22	30	Biased	0.2679	0.2674	-0.0005
23	30	Biased	0.2648	0.2664	0.0016
24	30	Biased	0.2593	0.2589	-0.0004
25	30	Biased	0.2554	0.2556	0.0002
26	30	Unbiased	0.267	0.2665	-0.0005
27	30	Unbiased	0.2579	0.2595	0.0016
28	30	Unbiased	0.2637	0.2644	0.0007
29	30	Unbiased	0.2674	0.2682	0.0008
30	30	Unbiased	0.2665	0.2666	0.0001
31	50	Biased	0.2684	0.269	0.0006
32	50	Biased	0.2641	0.2657	0.0016
33	50	Biased	0.268	0.2672	-0.0008
34	50	Biased	0.2607	0.2599	-0.0008
35	50	Biased	0.2605	0.2615	0.001
36	50	Unbiased	0.268	0.2682	0.0002
37	50	Unbiased	0.2585	0.2586	0.0001
38	50	Unbiased	0.2671	0.2671	0
39	50	Unbiased	0.2681	0.2681	0
40	50	Unbiased	0.2661	0.2648	-0.0013
41	100	Biased	0.2639	0.2672	0.0033
42	100	Biased	0.2661	0.266	-0.0001
43	100	Biased	0.2665	0.2668	0.0003
44	100	Biased	0.2646	0.2665	0.0019
45	100	Biased	0.2579	0.2611	0.0032
46	100	Unbiased	0.2671	0.2685	0.0014
47	100	Unbiased	0.265	0.2649	-0.0001
48	100	Unbiased	0.2658	0.2655	-0.0003
49	100	Unbiased	0.2661	0.2659	-0.0002
50	100	Unbiased	0.2605	0.2607	0.0002
51	0	Correlation	0.2664	0.2667	0.0003
53	0	Correlation	0.2651	0.264	-0.0011
54	0	Correlation	0.2593	0.2593	0
55	0	Correlation	0.2668	0.2654	-0.0014
56	0	Correlation	0.2676	0.267	-0.0006

Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2593	0.26504	0.2676	0.0033336	0.2593	0.26448	0.267	0.00313	-0.0014	-0.00056	0.0003	0.00071624
3	0.2561	0.26405	0.2676	0.0043846	0.2567	0.2638	0.2676	0.0040144	-0.0018	-0.00025	0.0013	0.0010763
10	0.2572	0.26379	0.2674	0.0035998	0.2564	0.26382	0.268	0.0038462	-0.0011	3e-05	0.0011	0.00075579
30	0.2554	0.26388	0.2689	0.0047126	0.2556	0.26425	0.269	0.0045865	-0.0005	0.00037	0.0016	0.00078888
50	0.2585	0.26495	0.2684	0.00375	0.2586	0.26501	0.269	0.0037245	-0.0013	6e-05	0.0016	0.00087585
100	0.2579	0.26435	0.2671	0.0029349	0.2607	0.26531	0.2685	0.0025252	-0.0003	0.00096	0.0033	0.0014049

Device Test: 5.81; DLY_TMR_500KOHM





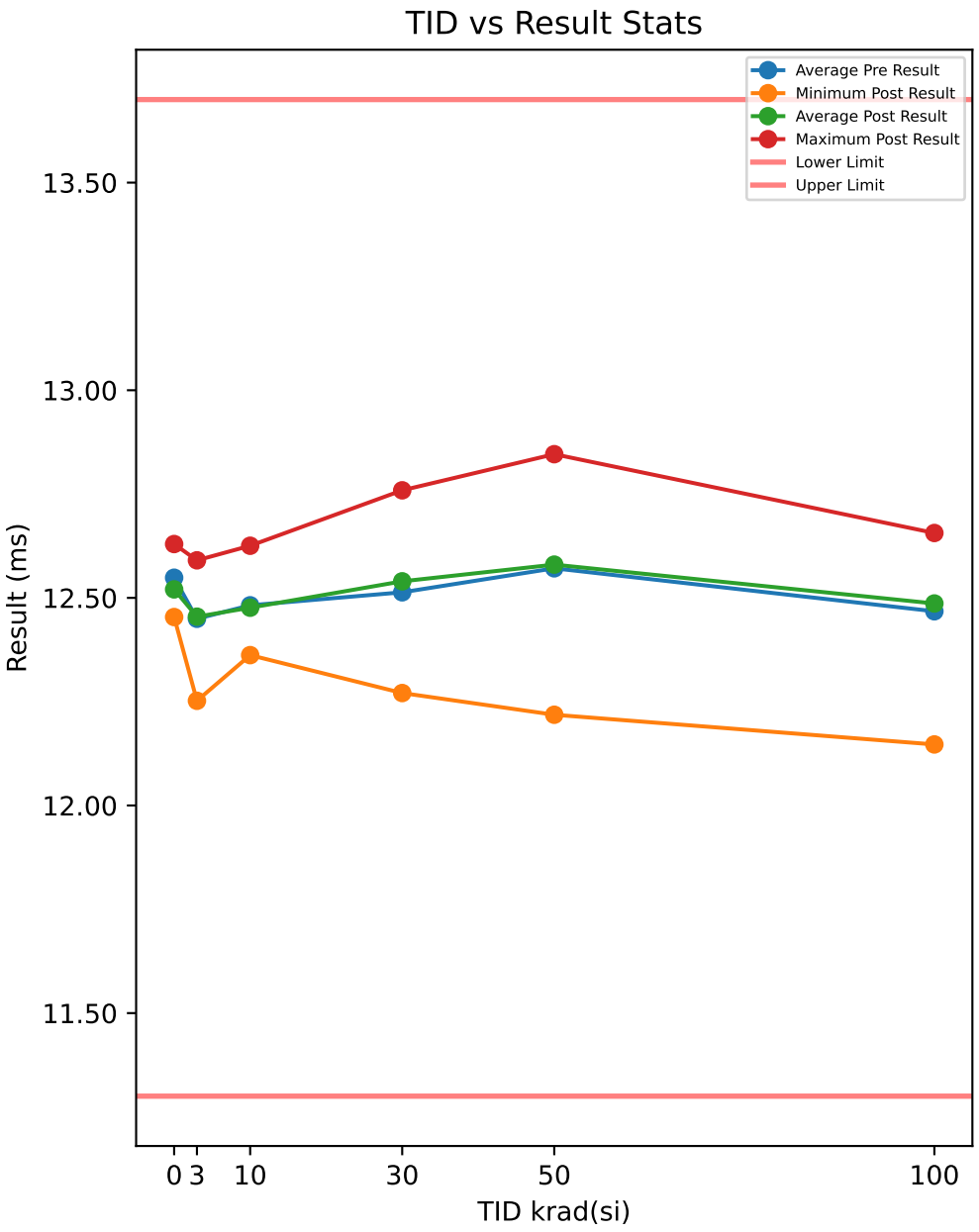
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

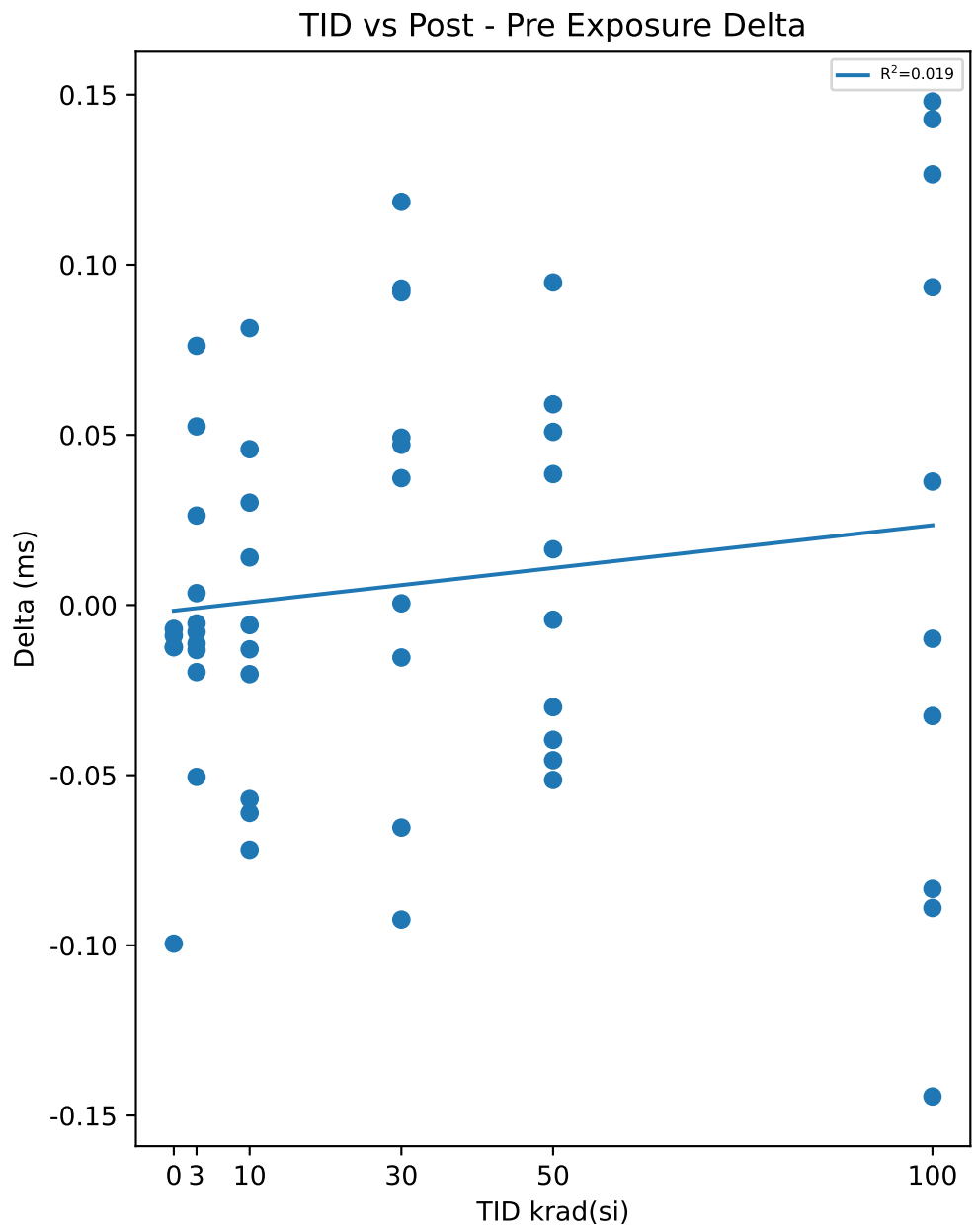
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.306	12.284	-0.0224
2	3	Biased	12.448	12.47	0.0226
3	3	Biased	12.577	12.553	-0.0236
4	3	Biased	12.551	12.518	-0.0324
5	3	Biased	12.285	12.362	0.077
6	3	Unbiased	12.369	12.362	-0.0076
7	3	Unbiased	12.611	12.635	0.024
8	3	Unbiased	12.559	12.566	0.0062
9	3	Unbiased	12.551	12.541	-0.0099
10	3	Unbiased	12.332	12.312	-0.02
11	10	Biased	12.307	12.384	0.0776
12	10	Biased	12.579	12.494	-0.0849
13	10	Biased	12.363	12.433	0.0699
14	10	Biased	12.566	12.551	-0.0147
15	10	Biased	12.366	12.34	-0.0258
16	10	Unbiased	12.623	12.593	-0.0297
17	10	Unbiased	12.689	12.674	-0.0151
18	10	Unbiased	12.315	12.349	0.0338
19	10	Unbiased	12.519	12.573	0.0536
20	10	Unbiased	12.476	12.398	-0.0781
21	30	Biased	12.588	12.723	0.1346
22	30	Biased	12.479	12.507	0.0273
23	30	Biased	12.672	12.776	0.1042
24	30	Biased	12.314	12.313	-0.0009
25	30	Biased	12.406	12.43	0.0236
26	30	Unbiased	12.598	12.498	-0.0992
27	30	Unbiased	12.394	12.527	0.1331
28	30	Unbiased	12.581	12.6	0.0188
29	30	Unbiased	12.513	12.572	0.0587
30	30	Unbiased	12.642	12.75	0.1083
31	50	Biased	12.707	12.596	-0.1113
32	50	Biased	12.354	12.323	-0.0307
33	50	Biased	12.655	12.66	0.0051
34	50	Biased	12.744	12.804	0.0601
35	50	Biased	12.6	12.579	-0.0209
36	50	Unbiased	12.511	12.473	-0.0386
37	50	Unbiased	12.304	12.274	-0.03
38	50	Unbiased	12.679	12.66	-0.019
39	50	Unbiased	12.721	12.661	-0.0603
40	50	Unbiased	12.637	12.758	0.1208
41	100	Biased	12.357	12.571	0.2138
42	100	Biased	12.347	12.336	-0.0113
43	100	Biased	12.373	12.461	0.0877
44	100	Biased	12.623	12.516	-0.1063
45	100	Biased	12.336	12.188	-0.1473
46	100	Unbiased	12.703	12.649	-0.0535
47	100	Unbiased	12.619	12.654	0.0353
48	100	Unbiased	12.328	12.367	0.0392
49	100	Unbiased	12.739	12.7	-0.0381
50	100	Unbiased	12.281	12.42	0.1396
51	0	Correlation	12.686	12.666	-0.0201
53	0	Correlation	12.6	12.627	0.027
54	0	Correlation	12.44	12.441	0.0011
55	0	Correlation	12.552	12.551	-0.0011
56	0	Correlation	12.502	12.499	-0.0024

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	12.44	12.556	12.686	0.093964	12.441	12.557	12.666	0.091678	-0.0201	0.0009	0.027	0.016861
3	12.285	12.459	12.611	0.12547	12.284	12.46	12.635	0.12137	-0.0324	0.00139	0.077	0.032828
10	12.307	12.48	12.689	0.13602	12.34	12.479	12.674	0.11496	-0.0849	-0.00134	0.0776	0.057932
30	12.314	12.519	12.672	0.11799	12.313	12.57	12.776	0.14748	-0.0992	0.05085	0.1346	0.072652
50	12.304	12.591	12.744	0.15375	12.274	12.579	12.804	0.174	-0.1113	-0.01248	0.1208	0.063968
100	12.281	12.47	12.739	0.17742	12.188	12.486	12.7	0.16311	-0.1473	0.01591	0.2138	0.11085

Device Test: 5.82; DLY_TMR_500KOHM





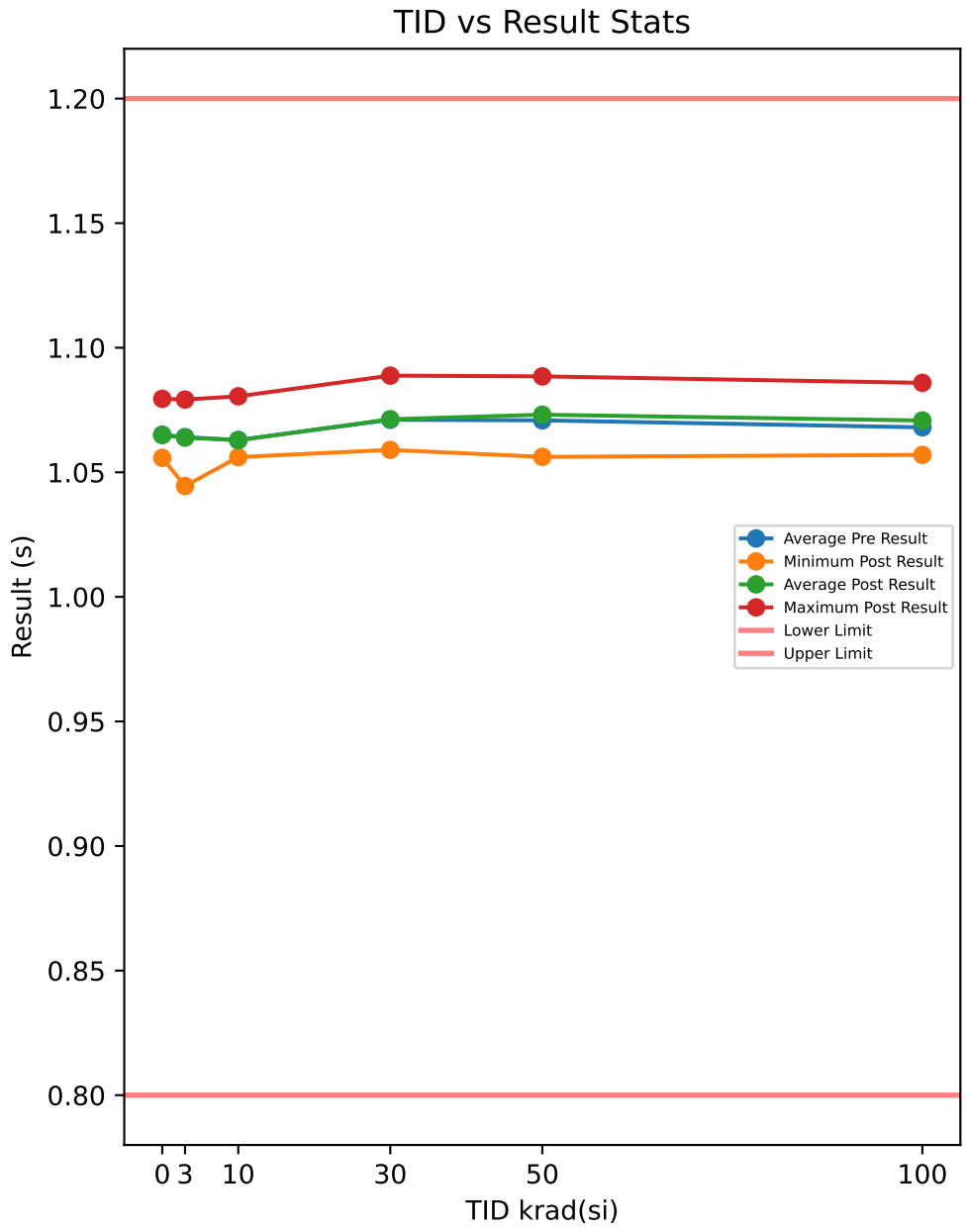
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

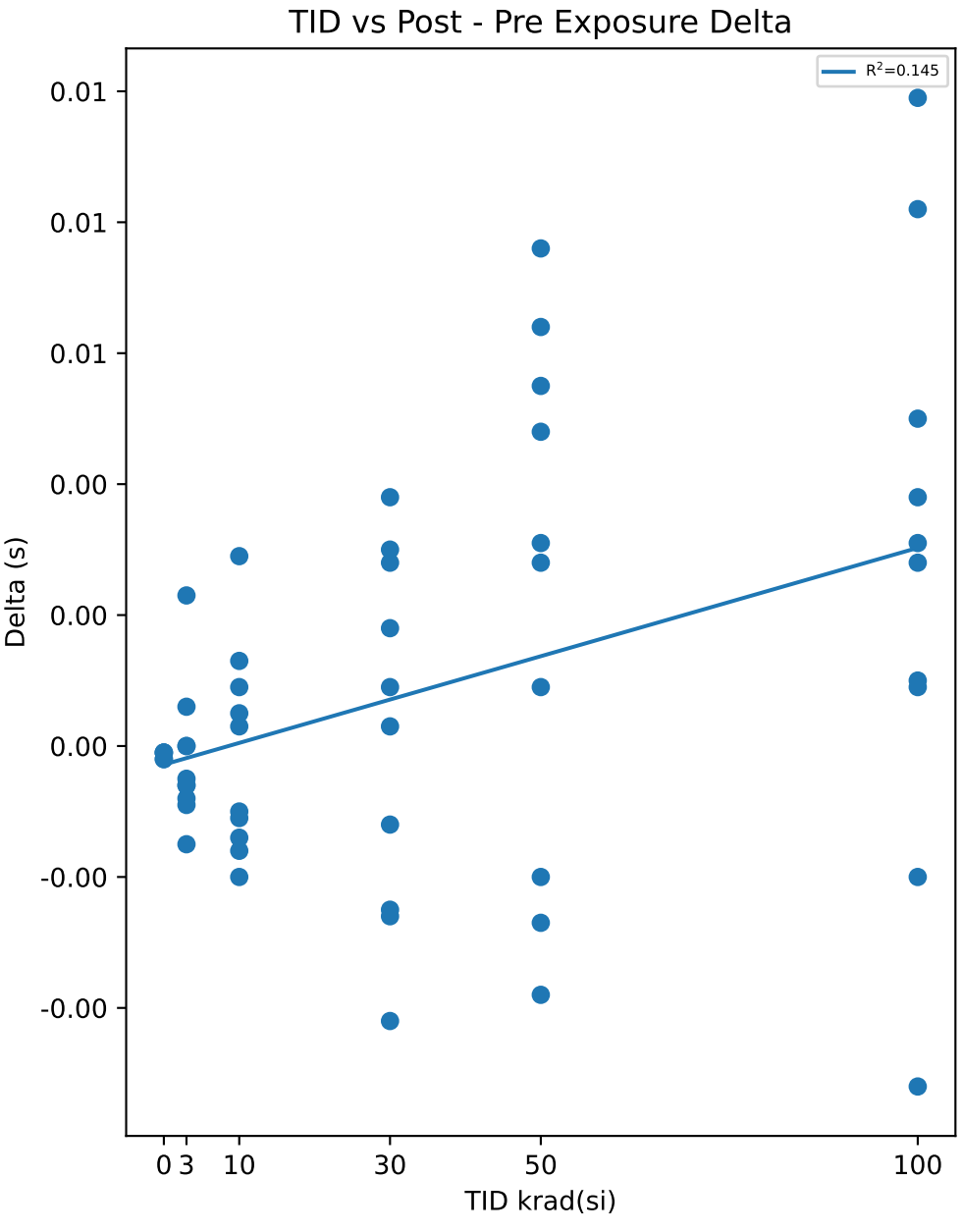
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.249	12.252	0.0035
2	3	Biased	12.486	12.435	-0.0505
3	3	Biased	12.529	12.582	0.0525
4	3	Biased	12.504	12.485	-0.0197
5	3	Biased	12.337	12.324	-0.0132
6	3	Unbiased	12.422	12.415	-0.0079
7	3	Unbiased	12.563	12.589	0.0263
8	3	Unbiased	12.514	12.59	0.0762
9	3	Unbiased	12.504	12.499	-0.0054
10	3	Unbiased	12.387	12.376	-0.0113
11	10	Biased	12.359	12.44	0.0814
12	10	Biased	12.52	12.458	-0.0611
13	10	Biased	12.414	12.393	-0.0203
14	10	Biased	12.518	12.532	0.014
15	10	Biased	12.419	12.362	-0.057
16	10	Unbiased	12.58	12.574	-0.0059
17	10	Unbiased	12.639	12.626	-0.013
18	10	Unbiased	12.357	12.402	0.0458
19	10	Unbiased	12.495	12.525	0.0301
20	10	Unbiased	12.523	12.451	-0.0719
21	30	Biased	12.543	12.661	0.1185
22	30	Biased	12.525	12.46	-0.0654
23	30	Biased	12.722	12.759	0.0373
24	30	Biased	12.27	12.271	0.0005
25	30	Biased	12.482	12.466	-0.0154
26	30	Unbiased	12.55	12.458	-0.0924
27	30	Unbiased	12.445	12.492	0.0471
28	30	Unbiased	12.535	12.627	0.0919
29	30	Unbiased	12.467	12.516	0.0492
30	30	Unbiased	12.595	12.688	0.093
31	50	Biased	12.659	12.608	-0.0514
32	50	Biased	12.309	12.264	-0.0456
33	50	Biased	12.608	12.625	0.0164
34	50	Biased	12.795	12.846	0.0509
35	50	Biased	12.553	12.523	-0.03
36	50	Unbiased	12.464	12.559	0.0948
37	50	Unbiased	12.258	12.219	-0.0396
38	50	Unbiased	12.715	12.71	-0.0043
39	50	Unbiased	12.674	12.713	0.0385
40	50	Unbiased	12.675	12.734	0.059
41	100	Biased	12.409	12.536	0.1266
42	100	Biased	12.397	12.387	-0.0099
43	100	Biased	12.425	12.519	0.0934
44	100	Biased	12.576	12.487	-0.089
45	100	Biased	12.291	12.147	-0.1444
46	100	Unbiased	12.703	12.62	-0.0834
47	100	Unbiased	12.572	12.608	0.0363
48	100	Unbiased	12.284	12.431	0.148
49	100	Unbiased	12.689	12.656	-0.0326
50	100	Unbiased	12.331	12.474	0.1428
51	0	Correlation	12.639	12.63	-0.009
53	0	Correlation	12.553	12.54	-0.0124
54	0	Correlation	12.494	12.481	-0.0123
55	0	Correlation	12.504	12.497	-0.007
56	0	Correlation	12.553	12.454	-0.0995

Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.494	12.548	12.639	0.057342	12.454	12.52	12.63	0.068625	-0.0995	-0.02804	-0.007	0.040013
3	12.249	12.45	12.563	0.099031	12.252	12.455	12.59	0.1163	-0.0505	0.00505	0.0762	0.037034
10	12.357	12.482	12.639	0.09312	12.362	12.476	12.626	0.084862	-0.0719	-0.00579	0.0814	0.04973
30	12.27	12.513	12.722	0.11536	12.271	12.54	12.759	0.14374	-0.0924	0.02643	0.1185	0.069309
50	12.258	12.571	12.795	0.17631	12.219	12.58	12.846	0.20177	-0.0514	0.00887	0.0948	0.050806
100	12.284	12.468	12.703	0.1566	12.147	12.486	12.656	0.14647	-0.1444	0.01878	0.148	0.10632

Device Test: 5.83; WD_TMR_500KOHM





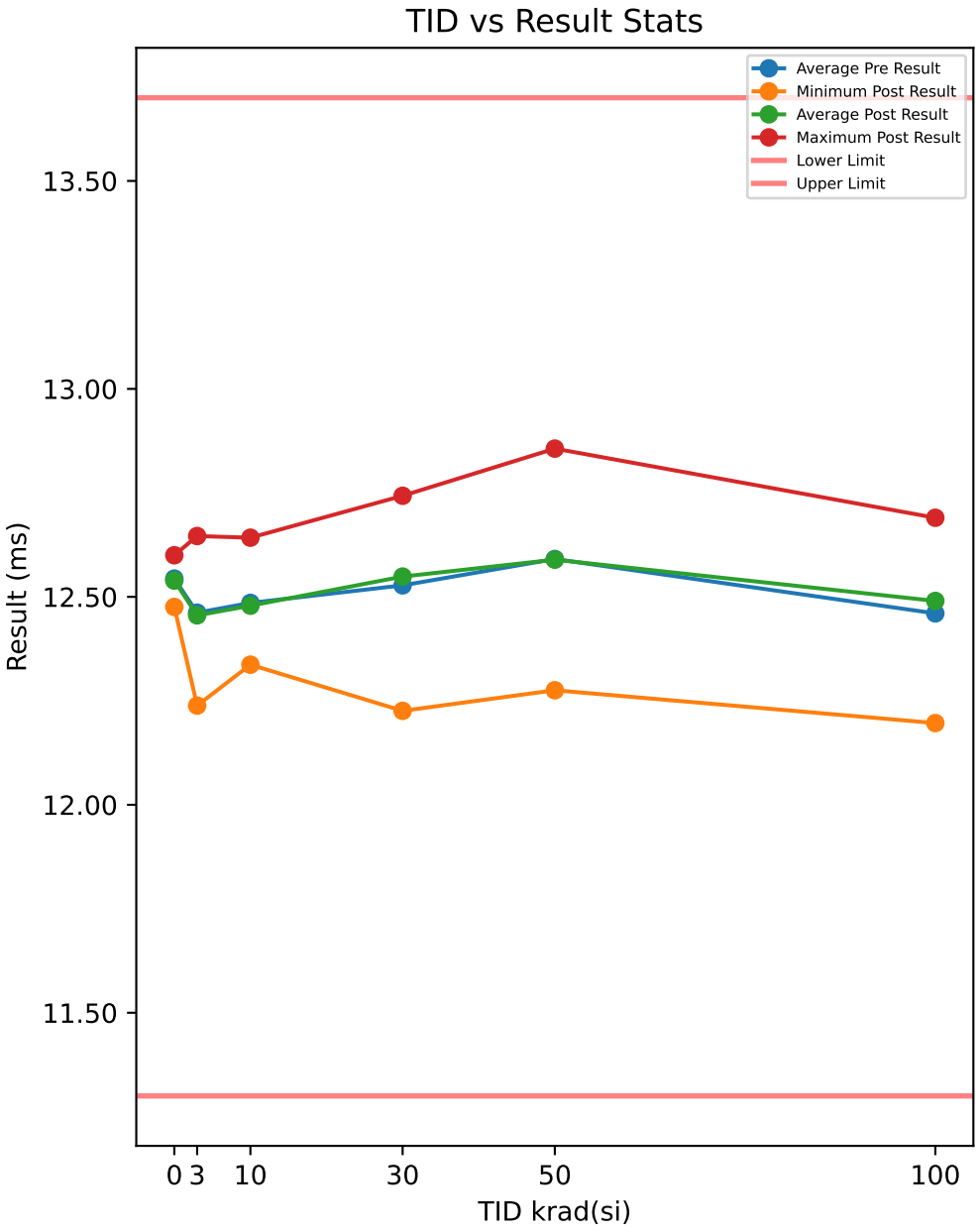
Test Results (Lower Limit = 0.8, Upper Limit = 1.2 (s))

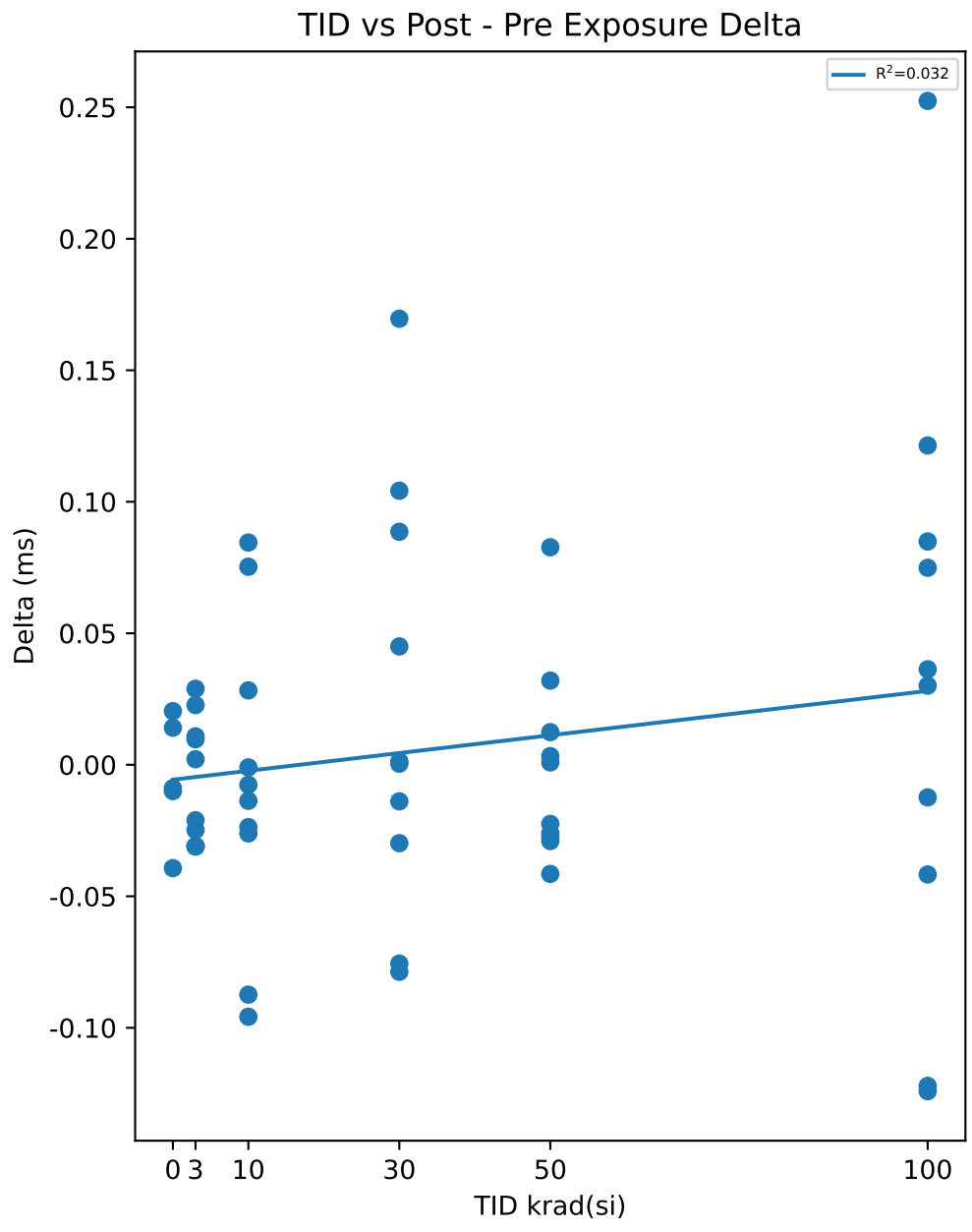
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.0662	1.0657	-0.0005
2	3	Biased	1.0454	1.0445	-0.0009
3	3	Biased	1.0551	1.0551	0
4	3	Biased	1.08	1.0792	-0.0008
5	3	Biased	1.0589	1.0583	-0.0006
6	3	Unbiased	1.0745	1.0751	0.0006
7	3	Unbiased	1.065	1.0635	-0.0015
8	3	Unbiased	1.0473	1.0467	-0.0006
9	3	Unbiased	1.0741	1.0741	0
10	3	Unbiased	1.0747	1.077	0.0023
11	10	Biased	1.0593	1.0573	-0.002
12	10	Biased	1.0662	1.0652	-0.001
13	10	Biased	1.0802	1.0805	0.0003
14	10	Biased	1.0575	1.0561	-0.0014
15	10	Biased	1.0582	1.0571	-0.0011
16	10	Unbiased	1.0647	1.0656	0.0009
17	10	Unbiased	1.0532	1.0561	0.0029
18	10	Unbiased	1.0695	1.0679	-0.0016
19	10	Unbiased	1.0622	1.0635	0.0013
20	10	Unbiased	1.0587	1.0592	0.0005
21	30	Biased	1.0621	1.0596	-0.0025
22	30	Biased	1.0848	1.0806	-0.0042
23	30	Biased	1.0802	1.0832	0.003
24	30	Biased	1.0668	1.0696	0.0028
25	30	Biased	1.0738	1.0712	-0.0026
26	30	Unbiased	1.0572	1.059	0.0018
27	30	Unbiased	1.0646	1.0634	-0.0012
28	30	Unbiased	1.0653	1.0656	0.0003
29	30	Unbiased	1.085	1.0888	0.0038
30	30	Unbiased	1.0711	1.072	0.0009
31	50	Biased	1.0749	1.0758	0.0009
32	50	Biased	1.0719	1.0747	0.0028
33	50	Biased	1.0773	1.0804	0.0031
34	50	Biased	1.0678	1.0658	-0.002
35	50	Biased	1.0821	1.0885	0.0064
36	50	Unbiased	1.06	1.0562	-0.0038
37	50	Unbiased	1.0786	1.0834	0.0048
38	50	Unbiased	1.068	1.0653	-0.0027
39	50	Unbiased	1.0669	1.0745	0.0076
40	50	Unbiased	1.0611	1.0666	0.0055
41	100	Biased	1.0729	1.0738	0.0009
42	100	Biased	1.0733	1.0761	0.0028
43	100	Biased	1.0587	1.0618	0.0031
44	100	Biased	1.0591	1.069	0.0099
45	100	Biased	1.0676	1.0726	0.005
46	100	Unbiased	1.0616	1.0626	0.001
47	100	Unbiased	1.0532	1.057	0.0038
48	100	Unbiased	1.0769	1.0717	-0.0052
49	100	Unbiased	1.0879	1.0859	-0.002
50	100	Unbiased	1.0692	1.0774	0.0082
51	0	Correlation	1.0679	1.0678	-0.0001
53	0	Correlation	1.0579	1.0578	-0.0001
54	0	Correlation	1.064	1.0638	-0.0002
55	0	Correlation	1.0559	1.0558	-0.0001
56	0	Correlation	1.0797	1.0795	-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	1.0559	1.0651	1.0797	0.0094695	1.0558	1.0649	1.0795	0.0094339	-0.0002	-0.00014	-0.0001	5.4772e-05
3	1.0454	1.0641	1.08	0.012104	1.0445	1.0639	1.0792	0.012559	-0.0015	-0.0002	0.0023	0.0010499
10	1.0532	1.063	1.0802	0.0076982	1.0561	1.0628	1.0805	0.0075927	-0.002	-0.00012	0.0029	0.0015576
30	1.0572	1.0711	1.085	0.0096586	1.059	1.0713	1.0888	0.010115	-0.0042	0.00021	0.0038	0.0027299
50	1.06	1.0709	1.0821	0.0073903	1.0562	1.0731	1.0885	0.0097202	-0.0038	0.00226	0.0076	0.0040128
100	1.0532	1.068	1.0879	0.010299	1.057	1.0708	1.0859	0.0085286	-0.0052	0.00275	0.0099	0.0044642

Device Test: 5.84; DLY_TMR_500KOHM





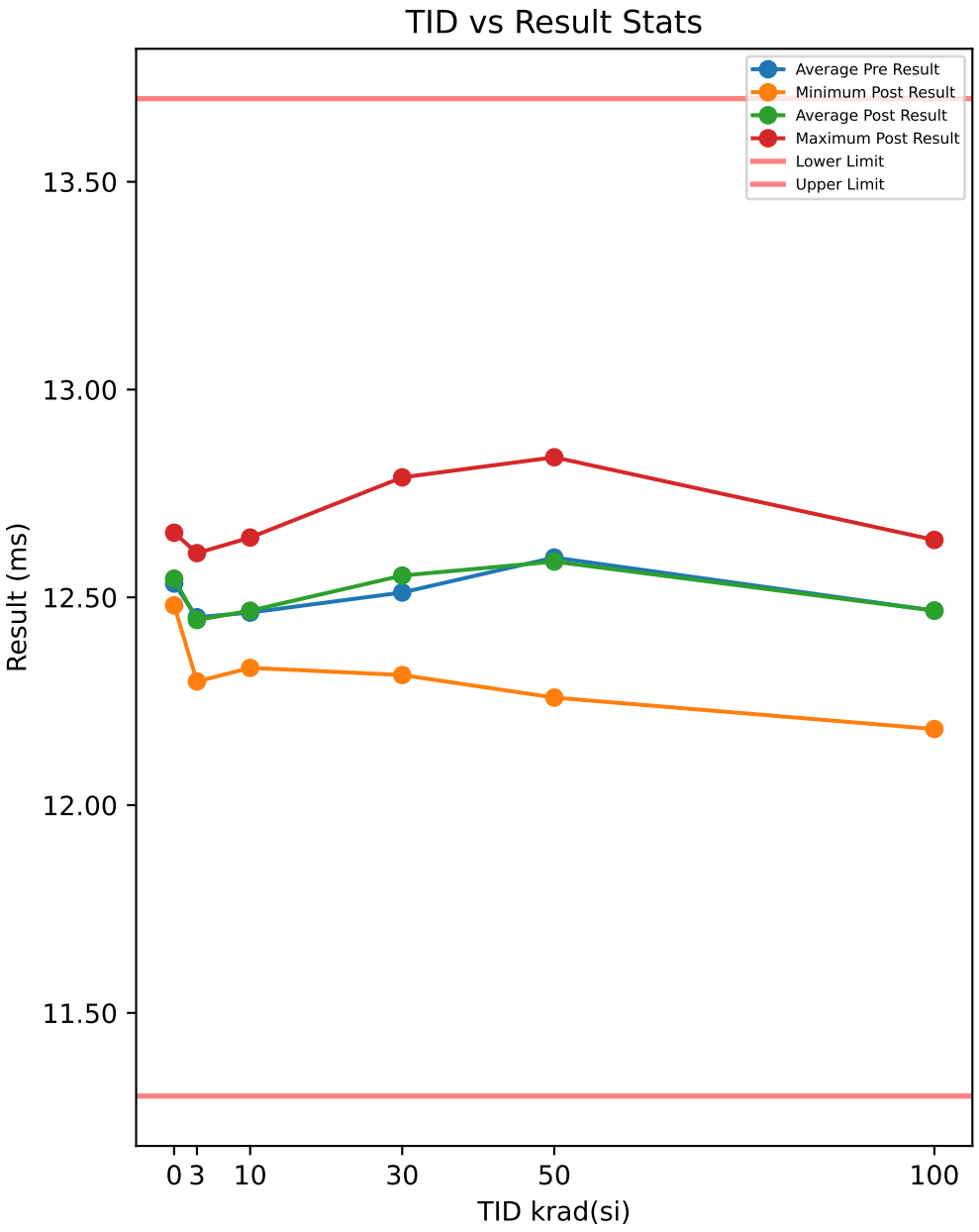
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

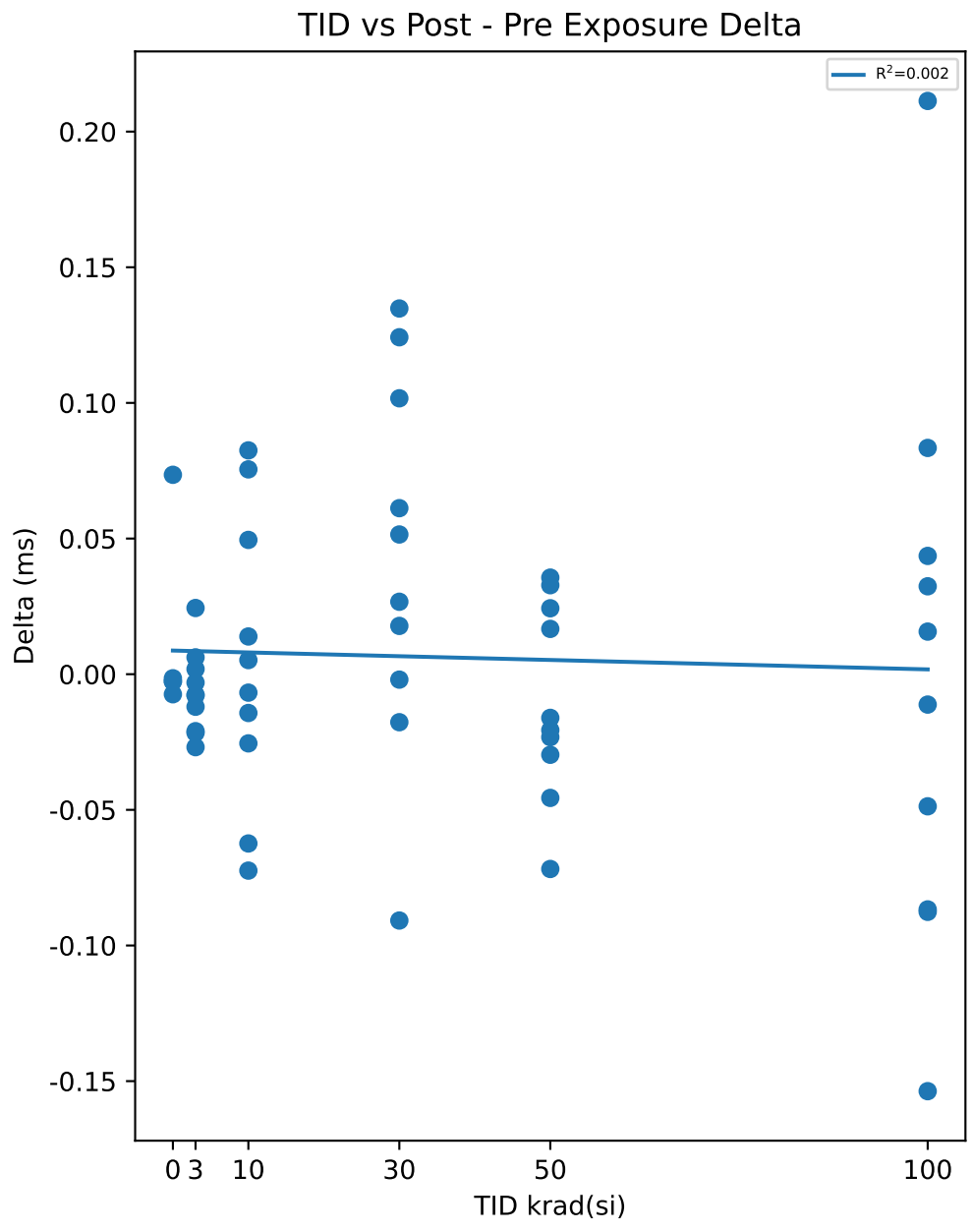
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.236	12.239	0.0021
2	3	Biased	12.445	12.467	0.0227
3	3	Biased	12.546	12.515	-0.031
4	3	Biased	12.551	12.521	-0.0309
5	3	Biased	12.3	12.275	-0.0248
6	3	Unbiased	12.421	12.4	-0.0211
7	3	Unbiased	12.617	12.646	0.0289
8	3	Unbiased	12.587	12.556	-0.0311
9	3	Unbiased	12.554	12.565	0.0108
10	3	Unbiased	12.361	12.37	0.0097
11	10	Biased	12.306	12.39	0.0845
12	10	Biased	12.553	12.457	-0.0958
13	10	Biased	12.409	12.408	-0.001
14	10	Biased	12.58	12.566	-0.0137
15	10	Biased	12.424	12.337	-0.0874
16	10	Unbiased	12.579	12.607	0.0283
17	10	Unbiased	12.666	12.642	-0.0237
18	10	Unbiased	12.352	12.427	0.0753
19	10	Unbiased	12.524	12.516	-0.0076
20	10	Unbiased	12.463	12.437	-0.0261
21	30	Biased	12.604	12.708	0.1042
22	30	Biased	12.483	12.483	0.0004
23	30	Biased	12.742	12.743	0.0013
24	30	Biased	12.305	12.226	-0.0787
25	30	Biased	12.437	12.407	-0.0298
26	30	Unbiased	12.588	12.512	-0.0756
27	30	Unbiased	12.396	12.565	0.1696
28	30	Unbiased	12.598	12.584	-0.0139
29	30	Unbiased	12.47	12.558	0.0886
30	30	Unbiased	12.655	12.7	0.045
31	50	Biased	12.623	12.594	-0.029
32	50	Biased	12.317	12.275	-0.0415
33	50	Biased	12.662	12.639	-0.0225
34	50	Biased	12.774	12.856	0.0827
35	50	Biased	12.547	12.55	0.0033
36	50	Unbiased	12.541	12.542	0.0009
37	50	Unbiased	12.304	12.277	-0.0275
38	50	Unbiased	12.713	12.687	-0.026
39	50	Unbiased	12.724	12.756	0.032
40	50	Unbiased	12.706	12.718	0.0124
41	100	Biased	12.349	12.601	0.2524
42	100	Biased	12.353	12.383	0.0301
43	100	Biased	12.428	12.513	0.0849
44	100	Biased	12.604	12.482	-0.1221
45	100	Biased	12.321	12.197	-0.1241
46	100	Unbiased	12.66	12.618	-0.0417
47	100	Unbiased	12.635	12.623	-0.0124
48	100	Unbiased	12.31	12.385	0.0749
49	100	Unbiased	12.654	12.69	0.0363
50	100	Unbiased	12.288	12.41	0.1214
51	0	Correlation	12.61	12.6	-0.01
53	0	Correlation	12.554	12.568	0.0141
54	0	Correlation	12.485	12.476	-0.0089
55	0	Correlation	12.53	12.551	0.0204
56	0	Correlation	12.541	12.501	-0.0393

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	12.485	12.544	12.61	0.045215	12.476	12.539	12.6	0.050288	-0.0393	-0.00474	0.0204	0.023592
3	12.236	12.462	12.617	0.13029	12.239	12.455	12.646	0.13181	-0.0311	-0.00647	0.0289	0.023782
10	12.306	12.485	12.666	0.11364	12.337	12.479	12.642	0.1	-0.0958	-0.00672	0.0845	0.059128
30	12.305	12.528	12.742	0.13215	12.226	12.549	12.743	0.15545	-0.0787	0.02111	0.1696	0.0803
50	12.304	12.591	12.774	0.16569	12.275	12.589	12.856	0.19089	-0.0415	-0.00152	0.0827	0.037279
100	12.288	12.46	12.66	0.15809	12.197	12.49	12.69	0.14978	-0.1241	0.02997	0.2524	0.11387

Device Test: 5.85; DLY_TMR_500KOHM





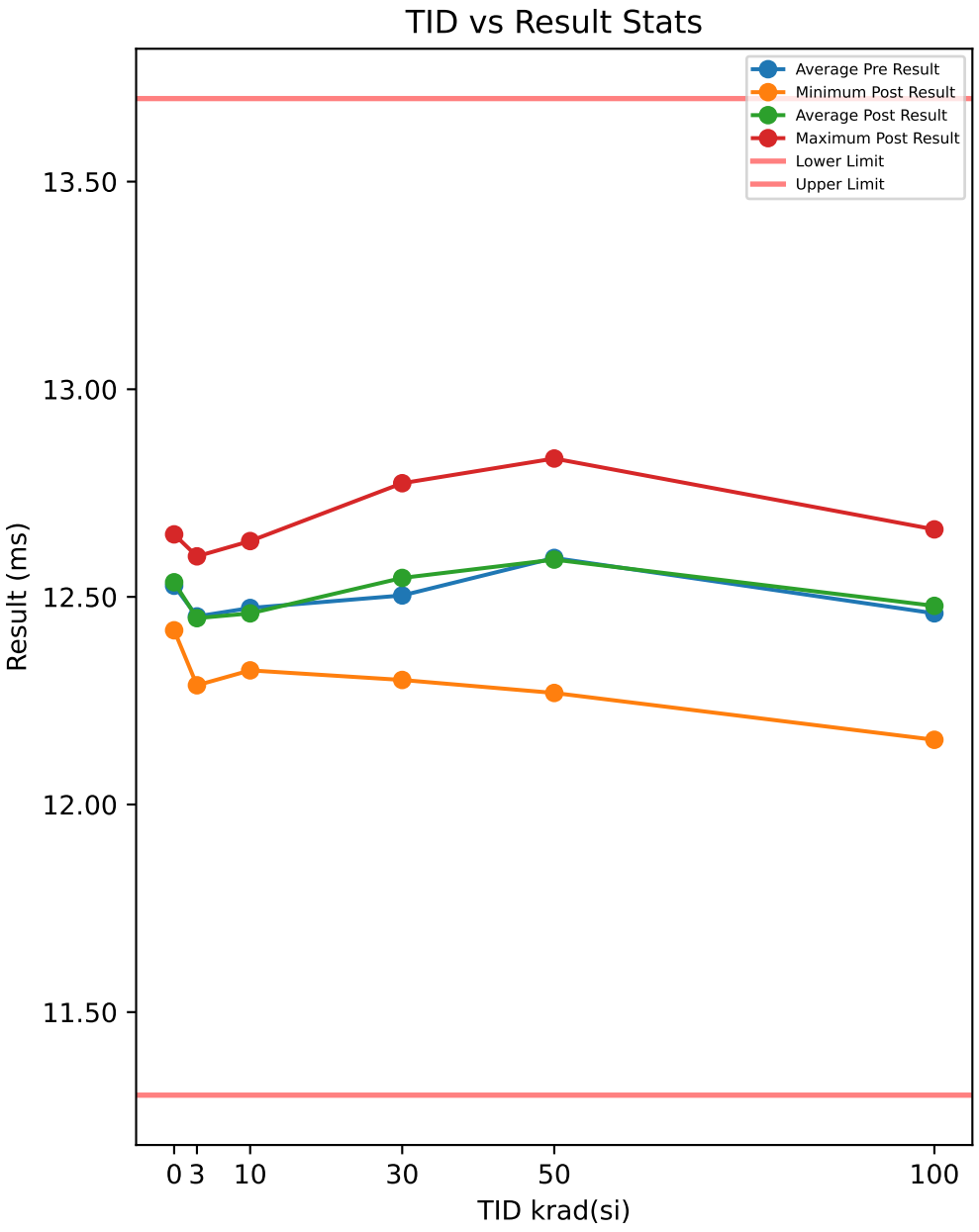
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

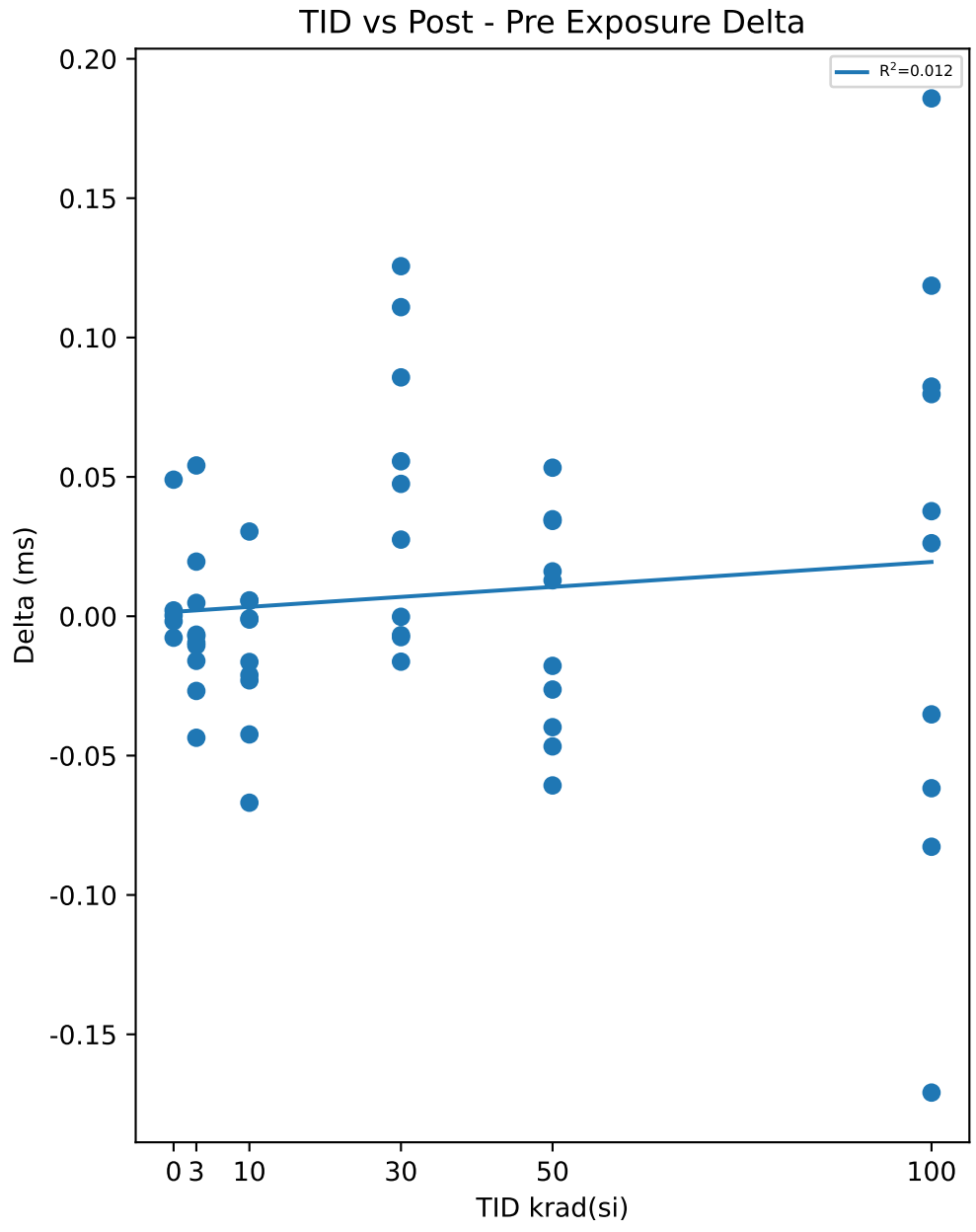
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.305	12.297	-0.0078
2	3	Biased	12.432	12.405	-0.0269
3	3	Biased	12.554	12.532	-0.0216
4	3	Biased	12.531	12.511	-0.021
5	3	Biased	12.366	12.367	0.0019
6	3	Unbiased	12.359	12.352	-0.0076
7	3	Unbiased	12.582	12.606	0.0244
8	3	Unbiased	12.539	12.545	0.0062
9	3	Unbiased	12.527	12.524	-0.0031
10	3	Unbiased	12.326	12.314	-0.012
11	10	Biased	12.3	12.375	0.0755
12	10	Biased	12.546	12.483	-0.0624
13	10	Biased	12.35	12.433	0.0825
14	10	Biased	12.544	12.558	0.0139
15	10	Biased	12.356	12.33	-0.0255
16	10	Unbiased	12.602	12.595	-0.0068
17	10	Unbiased	12.658	12.644	-0.0143
18	10	Unbiased	12.299	12.348	0.0495
19	10	Unbiased	12.521	12.526	0.0052
20	10	Unbiased	12.458	12.386	-0.0724
21	30	Biased	12.566	12.69	0.1242
22	30	Biased	12.458	12.485	0.0267
23	30	Biased	12.737	12.789	0.0515
24	30	Biased	12.315	12.313	-0.002
25	30	Biased	12.418	12.4	-0.0177
26	30	Unbiased	12.574	12.483	-0.0908
27	30	Unbiased	12.385	12.52	0.1348
28	30	Unbiased	12.558	12.576	0.0178
29	30	Unbiased	12.49	12.551	0.0612
30	30	Unbiased	12.615	12.717	0.1017
31	50	Biased	12.676	12.604	-0.0718
32	50	Biased	12.35	12.32	-0.0297
33	50	Biased	12.629	12.646	0.0167
34	50	Biased	12.804	12.837	0.0328
35	50	Biased	12.579	12.556	-0.0232
36	50	Unbiased	12.492	12.472	-0.0206
37	50	Unbiased	12.304	12.259	-0.0456
38	50	Unbiased	12.743	12.727	-0.0161
39	50	Unbiased	12.688	12.713	0.0243
40	50	Unbiased	12.692	12.728	0.0356
41	100	Biased	12.347	12.558	0.2113
42	100	Biased	12.338	12.327	-0.0112
43	100	Biased	12.364	12.447	0.0834
44	100	Biased	12.599	12.512	-0.0867
45	100	Biased	12.337	12.183	-0.1537
46	100	Unbiased	12.719	12.631	-0.0876
47	100	Unbiased	12.595	12.628	0.0324
48	100	Unbiased	12.323	12.367	0.0436
49	100	Unbiased	12.687	12.638	-0.0487
50	100	Unbiased	12.373	12.388	0.0157
51	0	Correlation	12.657	12.655	-0.0015
53	0	Correlation	12.577	12.569	-0.0074
54	0	Correlation	12.43	12.504	0.0735
55	0	Correlation	12.518	12.516	-0.0027
56	0	Correlation	12.483	12.481	-0.0026

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	12.43	12.533	12.657	0.087458	12.481	12.545	12.655	0.069867	-0.0074	0.01186	0.0735	0.034533
3	12.305	12.452	12.582	0.10573	12.297	12.445	12.606	0.11025	-0.0269	-0.00675	0.0244	0.015221
10	12.299	12.463	12.658	0.12993	12.33	12.468	12.644	0.10987	-0.0724	0.00452	0.0825	0.052714
30	12.315	12.512	12.737	0.1235	12.313	12.552	12.789	0.14655	-0.0908	0.04074	0.1348	0.069387
50	12.304	12.596	12.804	0.1656	12.259	12.586	12.837	0.18694	-0.0718	-0.00976	0.0356	0.035899
100	12.323	12.468	12.719	0.16122	12.183	12.468	12.638	0.15249	-0.1537	-0.00015	0.2113	0.10334

Device Test: 5.86; DLY_TMR_500KOHM





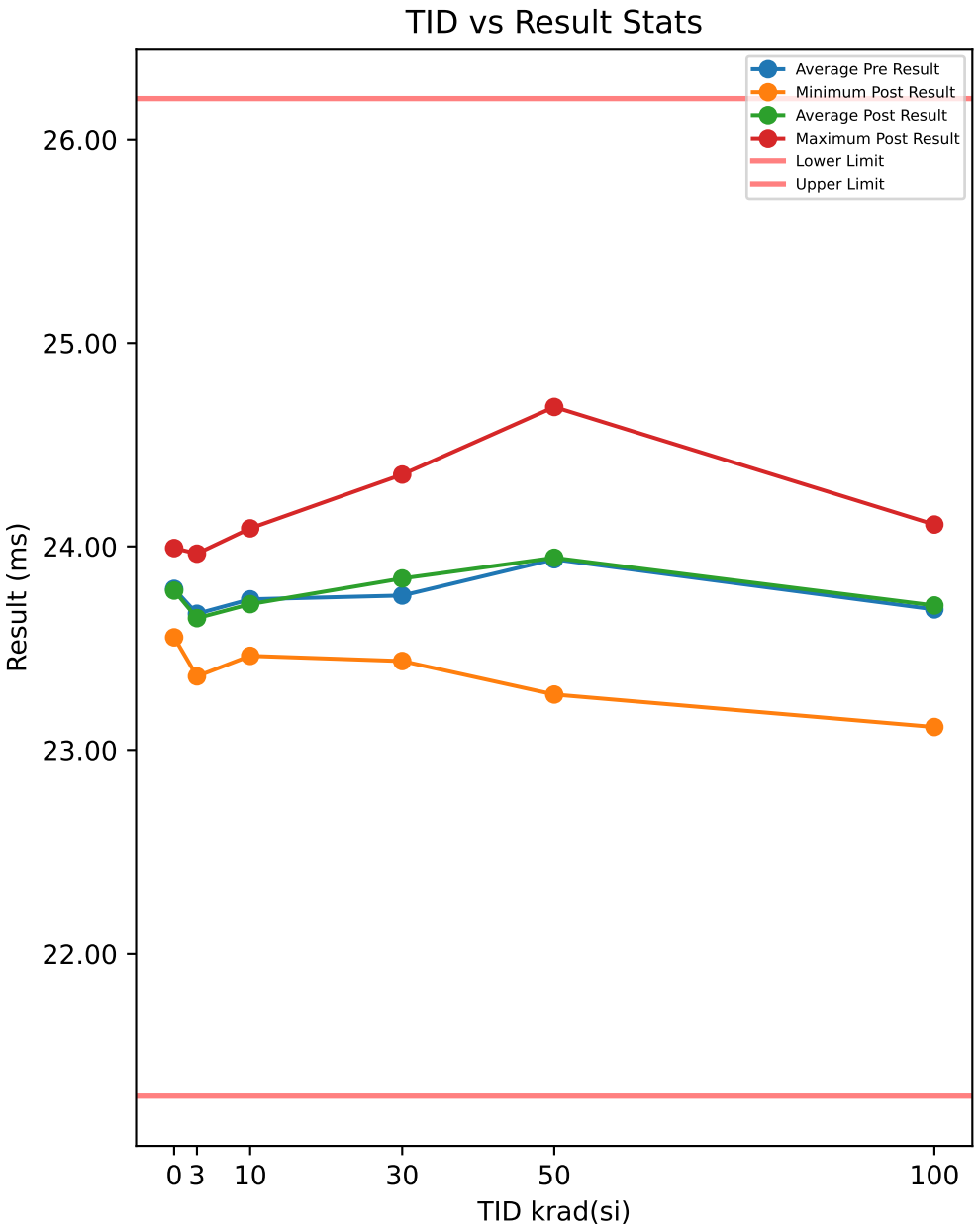
Test Results (Lower Limit = 11.3, Upper Limit = 13.7 (ms))

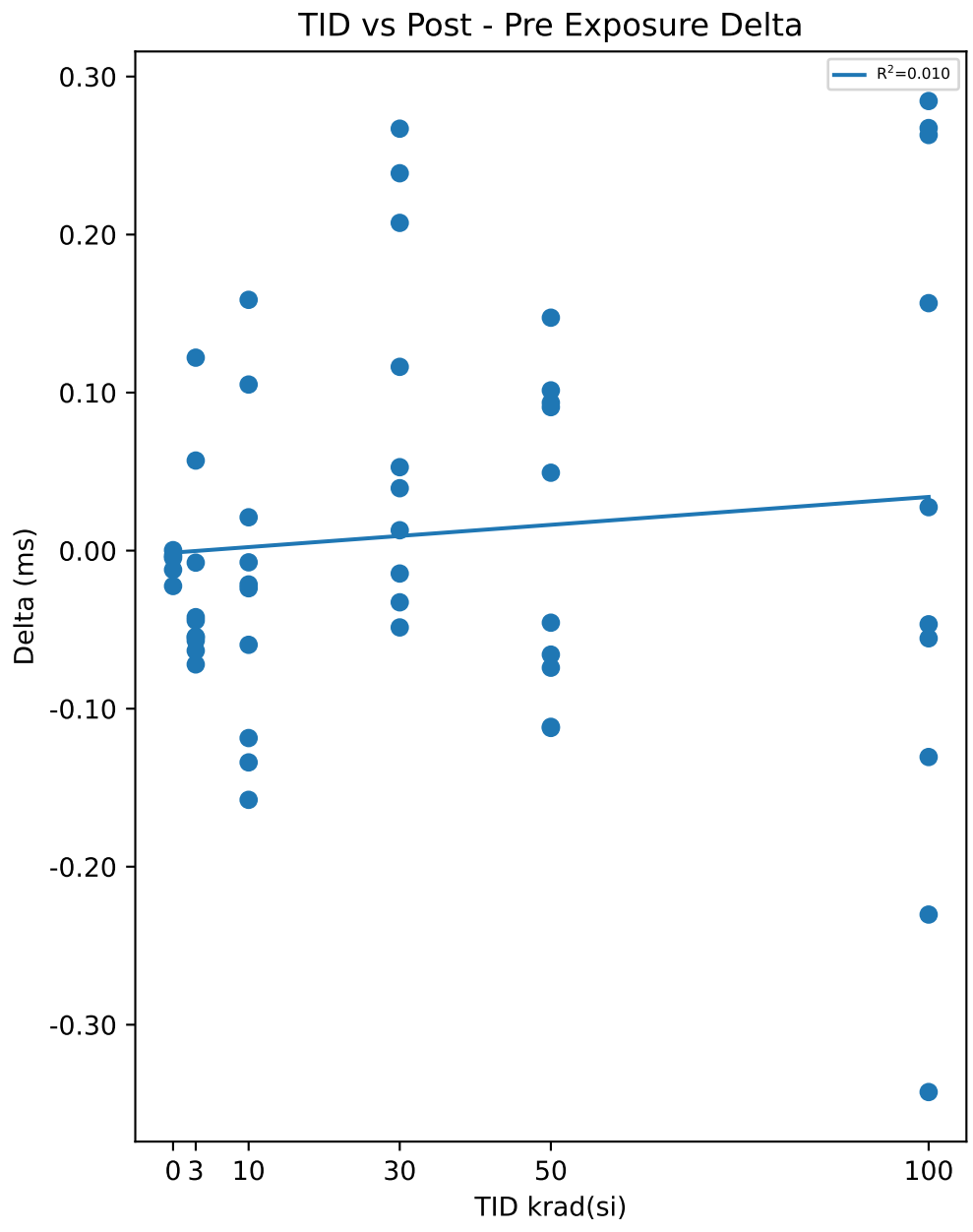
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	12.297	12.287	-0.0095
2	3	Biased	12.422	12.476	0.0541
3	3	Biased	12.546	12.502	-0.0436
4	3	Biased	12.503	12.476	-0.0268
5	3	Biased	12.37	12.354	-0.016
6	3	Unbiased	12.351	12.341	-0.0105
7	3	Unbiased	12.578	12.598	0.0196
8	3	Unbiased	12.531	12.536	0.0048
9	3	Unbiased	12.52	12.513	-0.0071
10	3	Unbiased	12.411	12.405	-0.0066
11	10	Biased	12.388	12.367	-0.0211
12	10	Biased	12.534	12.467	-0.0669
13	10	Biased	12.344	12.343	-0.0008
14	10	Biased	12.536	12.541	0.0055
15	10	Biased	12.346	12.323	-0.023
16	10	Unbiased	12.591	12.589	-0.0012
17	10	Unbiased	12.651	12.634	-0.0164
18	10	Unbiased	12.387	12.345	-0.0424
19	10	Unbiased	12.512	12.543	0.0304
20	10	Unbiased	12.445	12.45	0.0057
21	30	Biased	12.559	12.685	0.1256
22	30	Biased	12.454	12.482	0.0275
23	30	Biased	12.726	12.774	0.0475
24	30	Biased	12.307	12.3	-0.0068
25	30	Biased	12.409	12.409	-0.0002
26	30	Unbiased	12.563	12.547	-0.0163
27	30	Unbiased	12.377	12.487	0.1109
28	30	Unbiased	12.55	12.542	-0.0075
29	30	Unbiased	12.486	12.542	0.0556
30	30	Unbiased	12.603	12.689	0.0857
31	50	Biased	12.665	12.619	-0.0467
32	50	Biased	12.341	12.281	-0.0607
33	50	Biased	12.622	12.635	0.0129
34	50	Biased	12.798	12.833	0.0348
35	50	Biased	12.567	12.55	-0.0178
36	50	Unbiased	12.546	12.562	0.0161
37	50	Unbiased	12.295	12.269	-0.0263
38	50	Unbiased	12.735	12.695	-0.0398
39	50	Unbiased	12.68	12.715	0.0342
40	50	Unbiased	12.686	12.739	0.0533
41	100	Biased	12.34	12.526	0.1858
42	100	Biased	12.33	12.412	0.0824
43	100	Biased	12.352	12.431	0.0797
44	100	Biased	12.586	12.503	-0.0827
45	100	Biased	12.327	12.156	-0.1709
46	100	Unbiased	12.706	12.644	-0.0617
47	100	Unbiased	12.586	12.612	0.0262
48	100	Unbiased	12.317	12.436	0.1186
49	100	Unbiased	12.698	12.662	-0.0352
50	100	Unbiased	12.363	12.401	0.0377
51	0	Correlation	12.648	12.65	0.0021
53	0	Correlation	12.569	12.618	0.049
54	0	Correlation	12.419	12.419	0.0003
55	0	Correlation	12.521	12.52	-0.0018
56	0	Correlation	12.476	12.469	-0.0077

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	12.419	12.527	12.648	0.087646	12.419	12.535	12.65	0.097744	-0.0077	0.00838	0.049	0.023005
3	12.297	12.453	12.578	0.095266	12.287	12.449	12.598	0.098257	-0.0436	-0.00416	0.0541	0.026522
10	12.344	12.473	12.651	0.10693	12.323	12.46	12.634	0.11314	-0.0669	-0.01302	0.0304	0.027508
30	12.307	12.503	12.726	0.12247	12.3	12.546	12.774	0.14089	-0.0163	0.0422	0.1256	0.051728
50	12.295	12.594	12.798	0.16319	12.269	12.59	12.833	0.18625	-0.0607	-0.004	0.0533	0.039363
100	12.317	12.46	12.706	0.16302	12.156	12.478	12.662	0.14929	-0.1709	0.01799	0.1858	0.1063

Device Test: 5.87; DLY_TMR_1MOHM





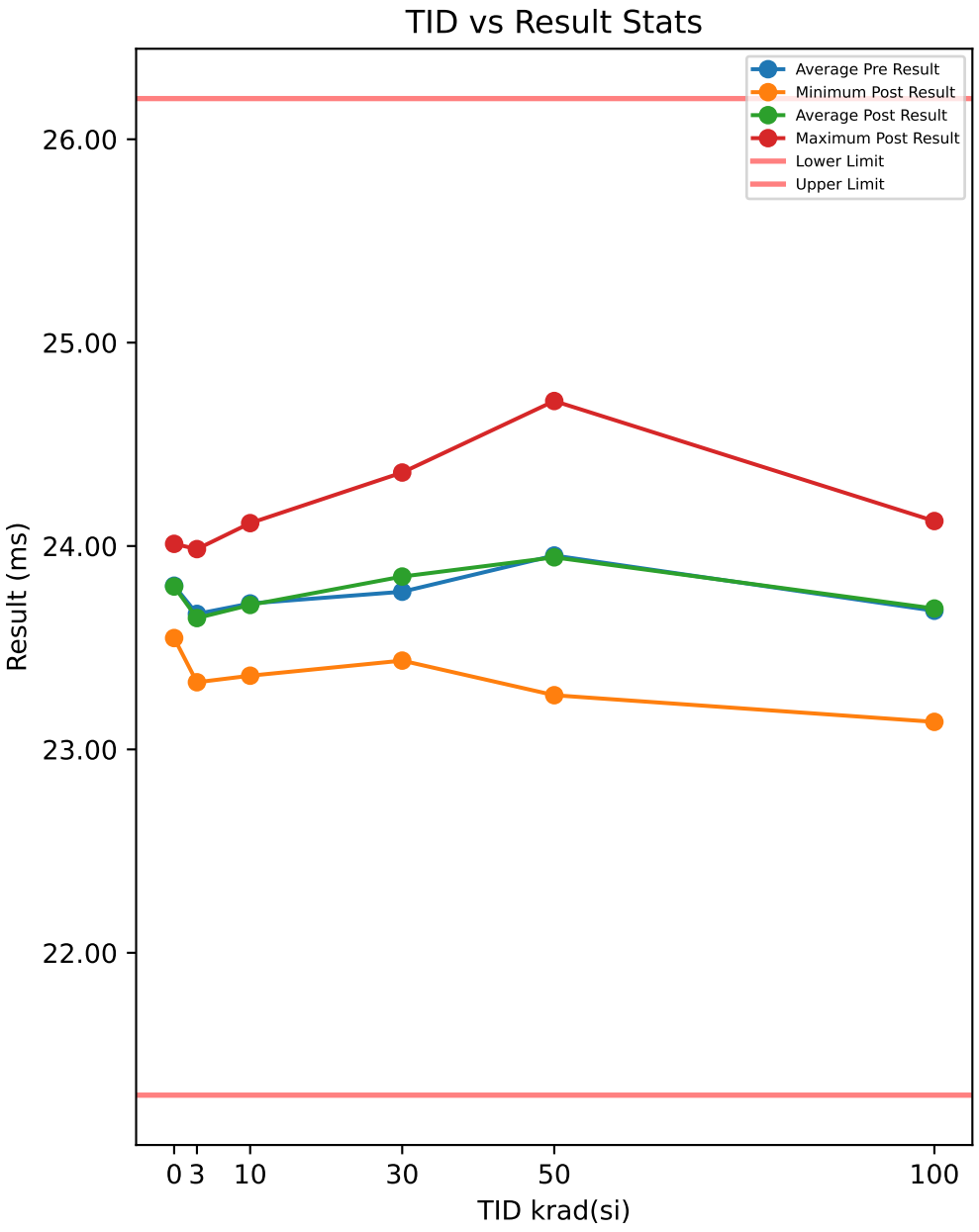
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

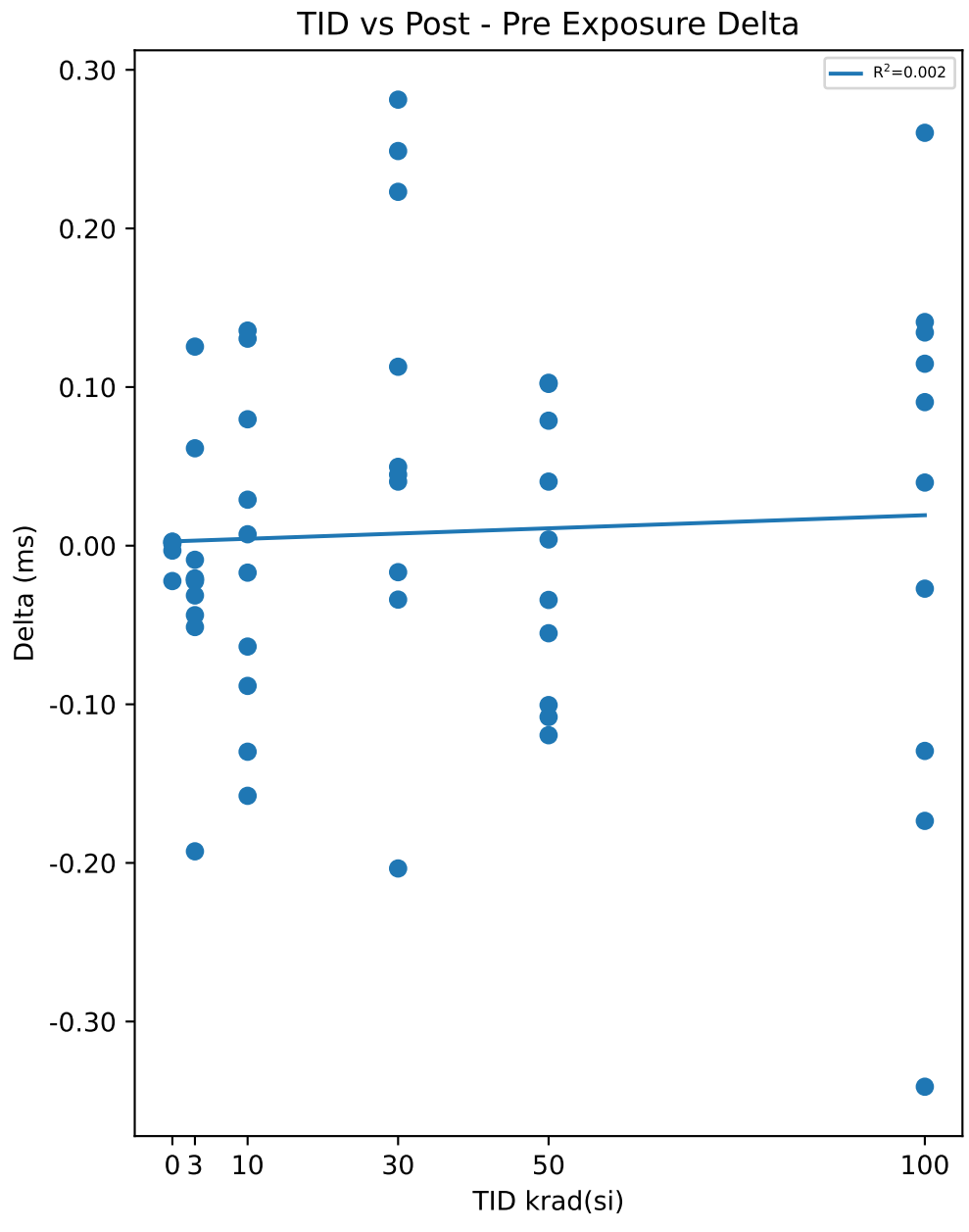
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.513	23.456	-0.0569
2	3	Biased	23.577	23.699	0.1221
3	3	Biased	23.804	23.732	-0.072
4	3	Biased	23.734	23.69	-0.0442
5	3	Biased	23.545	23.503	-0.0421
6	3	Unbiased	23.51	23.446	-0.0633
7	3	Unbiased	23.907	23.965	0.057
8	3	Unbiased	23.956	23.949	-0.0076
9	3	Unbiased	23.73	23.675	-0.0548
10	3	Unbiased	23.416	23.362	-0.0545
11	10	Biased	23.393	23.552	0.1587
12	10	Biased	23.787	23.653	-0.134
13	10	Biased	23.47	23.462	-0.0074
14	10	Biased	23.92	23.941	0.0211
15	10	Biased	23.582	23.523	-0.0596
16	10	Unbiased	24.11	24.089	-0.0214
17	10	Unbiased	24.056	24.032	-0.0238
18	10	Unbiased	23.544	23.649	0.1051
19	10	Unbiased	23.855	23.736	-0.1186
20	10	Unbiased	23.687	23.529	-0.1577
21	30	Biased	23.784	24.023	0.2388
22	30	Biased	23.502	23.542	0.0395
23	30	Biased	24.3	24.353	0.0528
24	30	Biased	23.451	23.437	-0.0145
25	30	Biased	23.808	23.775	-0.0327
26	30	Unbiased	23.833	23.784	-0.0486
27	30	Unbiased	23.586	23.853	0.267
28	30	Unbiased	23.86	23.873	0.0129
29	30	Unbiased	23.599	23.715	0.1163
30	30	Unbiased	23.866	24.073	0.2074
31	50	Biased	23.977	23.865	-0.1122
32	50	Biased	23.347	23.273	-0.0741
33	50	Biased	23.922	23.971	0.0493
34	50	Biased	24.592	24.685	0.0936
35	50	Biased	24.02	23.955	-0.0658
36	50	Unbiased	23.579	23.726	0.1474
37	50	Unbiased	23.503	23.392	-0.1115
38	50	Unbiased	24.141	24.096	-0.0456
39	50	Unbiased	24.086	24.188	0.1014
40	50	Unbiased	24.203	24.294	0.0908
41	100	Biased	23.497	23.764	0.2674
42	100	Biased	23.558	23.502	-0.0555
43	100	Biased	23.494	23.651	0.1566
44	100	Biased	23.896	23.666	-0.2303
45	100	Biased	23.456	23.113	-0.3426
46	100	Unbiased	24.121	23.991	-0.1306
47	100	Unbiased	23.952	23.98	0.0275
48	100	Unbiased	23.283	23.567	0.2845
49	100	Unbiased	24.154	24.108	-0.0466
50	100	Unbiased	23.495	23.758	0.263
51	0	Correlation	23.992	23.992	0.0003
53	0	Correlation	23.89	23.885	-0.0046
54	0	Correlation	23.738	23.725	-0.0121
55	0	Correlation	23.764	23.76	-0.0031
56	0	Correlation	23.576	23.553	-0.0224

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	23.576	23.792	23.992	0.15811	23.553	23.783	23.992	0.16636	-0.0224	-0.00838	0.0003	0.0090541
3	23.416	23.669	23.956	0.18352	23.362	23.648	23.965	0.20636	-0.072	-0.02163	0.1221	0.06295
10	23.393	23.74	24.11	0.24578	23.462	23.717	24.089	0.2265	-0.1577	-0.02376	0.1587	0.10141
30	23.451	23.759	24.3	0.24477	23.437	23.843	24.353	0.26391	-0.0486	0.08389	0.267	0.11673
50	23.347	23.937	24.592	0.37083	23.273	23.944	24.685	0.41702	-0.1122	0.00733	0.1474	0.098786
100	23.283	23.691	24.154	0.30995	23.113	23.71	24.108	0.28681	-0.3426	0.01934	0.2845	0.22007

Device Test: 5.88; DLY_TMR_1MOHM





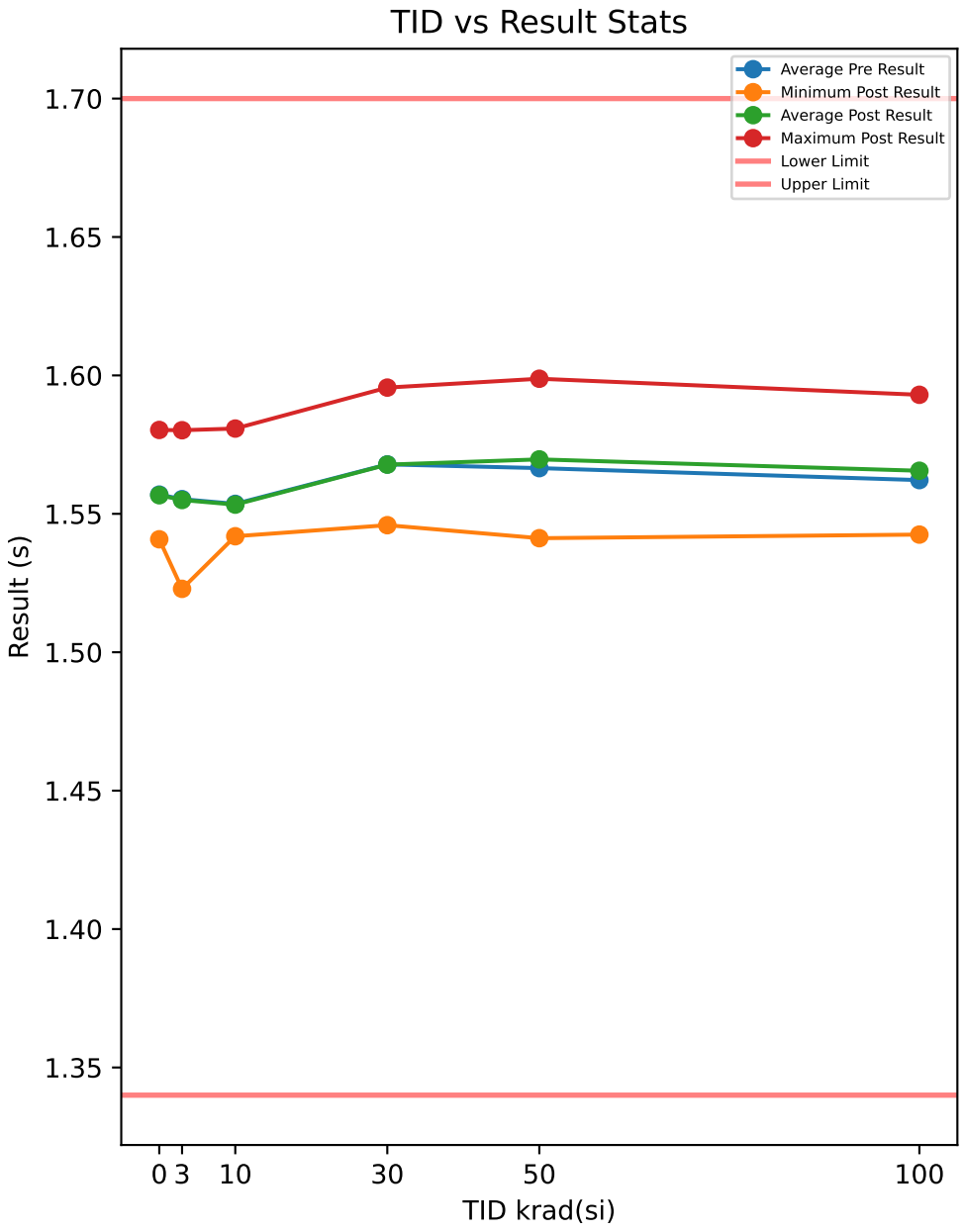
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.352	23.33	-0.0213
2	3	Biased	23.594	23.72	0.1255
3	3	Biased	23.822	23.778	-0.0438
4	3	Biased	23.75	23.699	-0.0513
5	3	Biased	23.553	23.361	-0.1927
6	3	Unbiased	23.529	23.506	-0.0224
7	3	Unbiased	23.924	23.985	0.0614
8	3	Unbiased	23.976	23.967	-0.0089
9	3	Unbiased	23.729	23.709	-0.0206
10	3	Unbiased	23.435	23.404	-0.0314
11	10	Biased	23.415	23.55	0.1356
12	10	Biased	23.781	23.651	-0.1299
13	10	Biased	23.478	23.485	0.0072
14	10	Biased	23.926	23.955	0.029
15	10	Biased	23.426	23.362	-0.0636
16	10	Unbiased	24.13	24.113	-0.017
17	10	Unbiased	24.069	23.98	-0.0884
18	10	Unbiased	23.542	23.672	0.1305
19	10	Unbiased	23.709	23.788	0.0797
20	10	Unbiased	23.703	23.545	-0.1577
21	30	Biased	23.806	24.055	0.2488
22	30	Biased	23.521	23.561	0.0404
23	30	Biased	24.317	24.361	0.0448
24	30	Biased	23.471	23.437	-0.034
25	30	Biased	23.808	23.792	-0.0167
26	30	Unbiased	23.848	23.645	-0.2035
27	30	Unbiased	23.605	23.886	0.2812
28	30	Unbiased	23.876	23.926	0.0497
29	30	Unbiased	23.619	23.732	0.1128
30	30	Unbiased	23.882	24.105	0.2231
31	50	Biased	23.995	23.875	-0.1195
32	50	Biased	23.375	23.267	-0.108
33	50	Biased	23.938	23.979	0.0404
34	50	Biased	24.61	24.713	0.1027
35	50	Biased	24.03	23.975	-0.0552
36	50	Unbiased	23.598	23.602	0.0039
37	50	Unbiased	23.526	23.425	-0.1005
38	50	Unbiased	24.16	24.126	-0.0342
39	50	Unbiased	24.103	24.205	0.102
40	50	Unbiased	24.199	24.278	0.0788
41	100	Biased	23.52	23.781	0.2603
42	100	Biased	23.393	23.508	0.1147
43	100	Biased	23.516	23.65	0.1344
44	100	Biased	23.879	23.705	-0.1735
45	100	Biased	23.477	23.135	-0.3411
46	100	Unbiased	24.14	24.01	-0.1294
47	100	Unbiased	23.947	23.986	0.0398
48	100	Unbiased	23.277	23.419	0.141
49	100	Unbiased	24.15	24.123	-0.0271
50	100	Unbiased	23.519	23.61	0.0905
51	0	Correlation	24.008	24.011	0.0025
53	0	Correlation	23.905	23.907	0.0024
54	0	Correlation	23.759	23.76	0.0011
55	0	Correlation	23.783	23.779	-0.0031
56	0	Correlation	23.57	23.548	-0.0223

Test Statistics (ms)

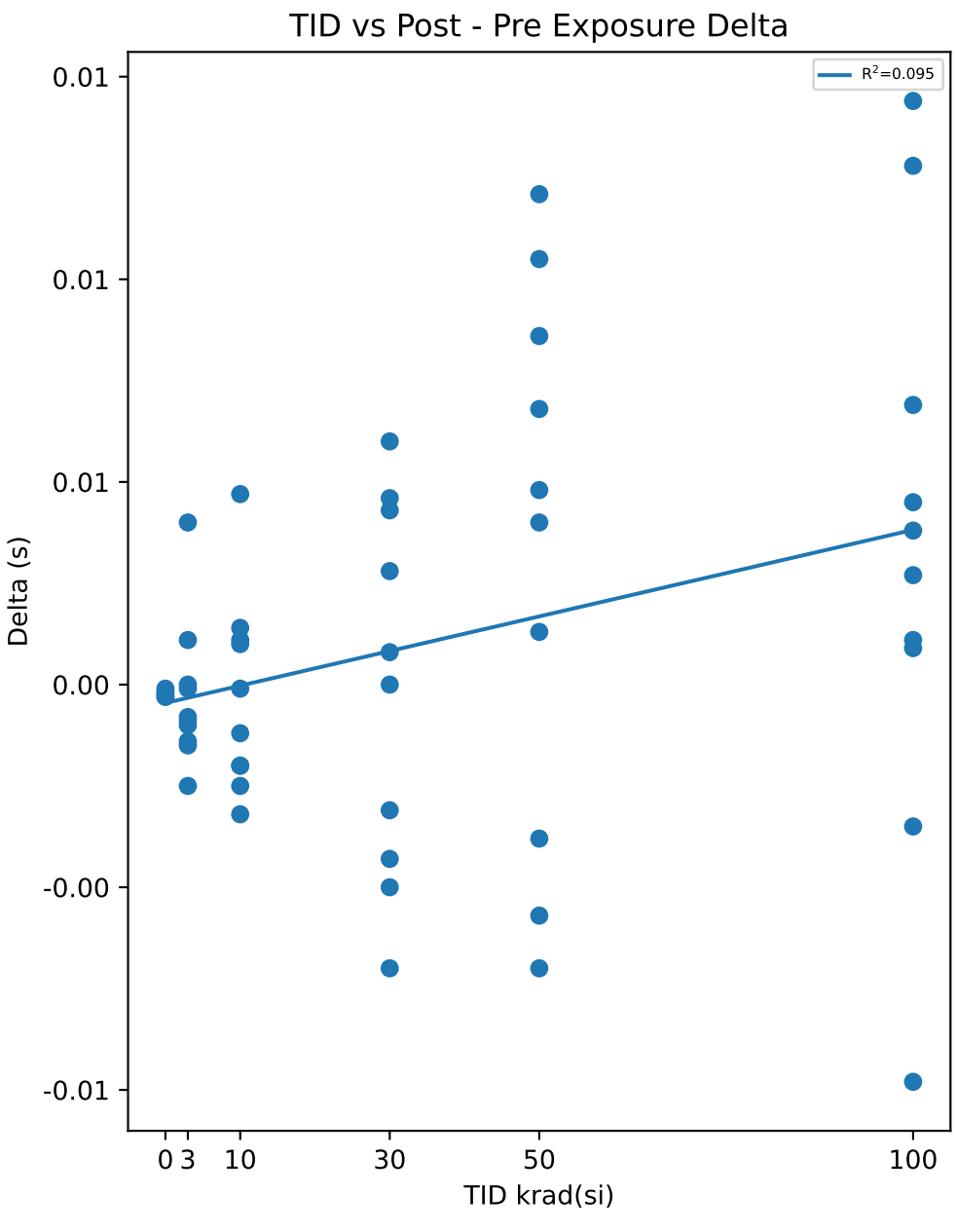
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.57	23.805	24.008	0.16515	23.548	23.801	24.011	0.17432	-0.0223	-0.00388	0.0025	0.010546
3	23.352	23.666	23.976	0.20735	23.33	23.646	23.985	0.23737	-0.1927	-0.02055	0.1255	0.081258
10	23.415	23.718	24.13	0.25946	23.362	23.71	24.113	0.2427	-0.1577	-0.00746	0.1356	0.10328
30	23.471	23.775	24.317	0.24338	23.437	23.85	24.361	0.27683	-0.2035	0.07466	0.2812	0.14783
50	23.375	23.953	24.61	0.36658	23.267	23.944	24.713	0.429	-0.1195	-0.00896	0.1027	0.087093
100	23.277	23.682	24.15	0.3173	23.135	23.693	24.123	0.29969	-0.3411	0.01096	0.2603	0.17993

Device Test: 5.89; WD_TMR_1MOHM



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

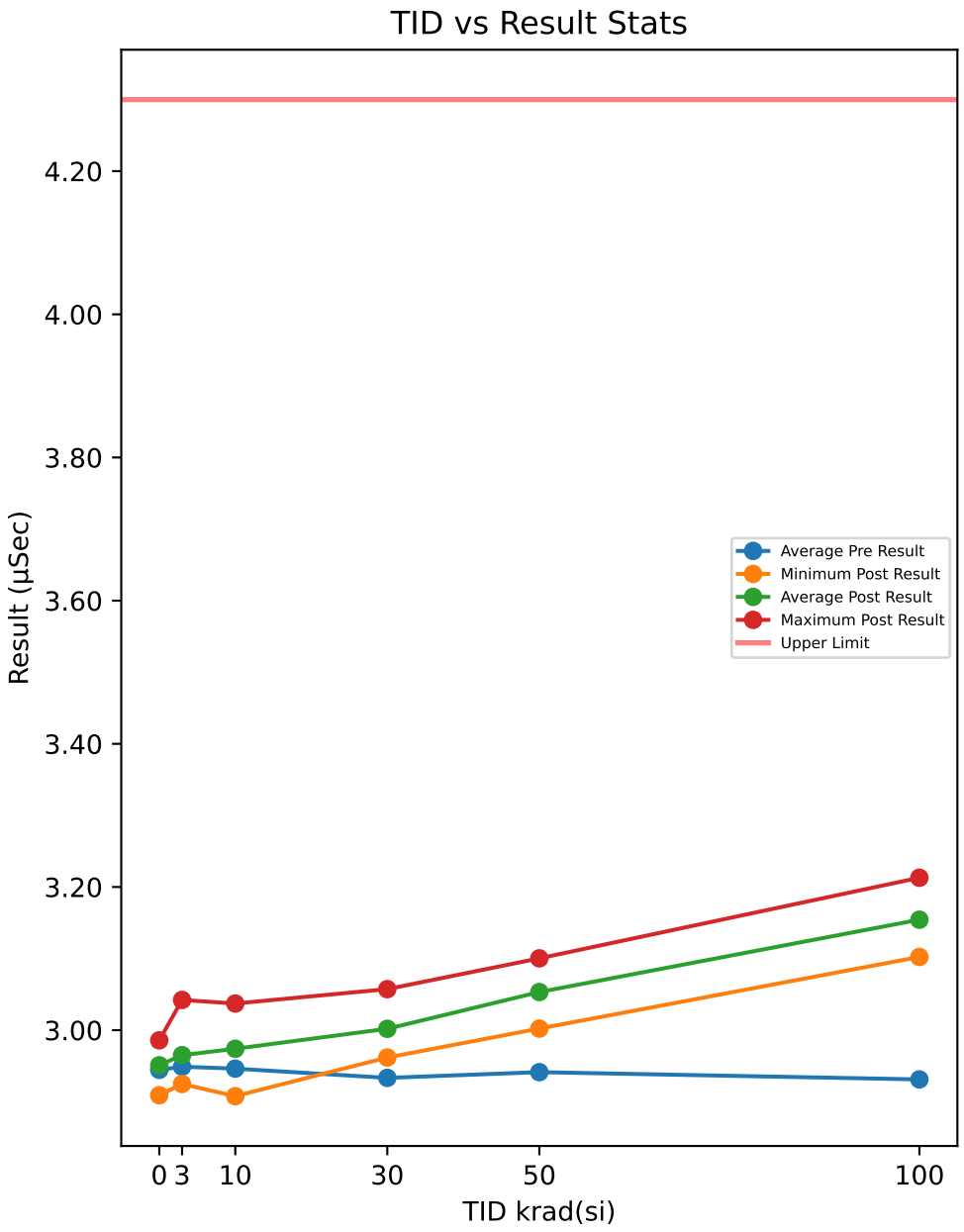
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.5576	1.5568	-0.0008
2	3	Biased	1.5244	1.5229	-0.0015
3	3	Biased	1.54	1.54	0
4	3	Biased	1.5816	1.5802	-0.0014
5	3	Biased	1.5477	1.5468	-0.0009
6	3	Unbiased	1.5716	1.5727	0.0011
7	3	Unbiased	1.5563	1.5538	-0.0025
8	3	Unbiased	1.5281	1.5271	-0.001
9	3	Unbiased	1.5727	1.5726	-0.0001
10	3	Unbiased	1.573	1.577	0.004
11	10	Biased	1.5459	1.5427	-0.0032
12	10	Biased	1.56	1.558	-0.002
13	10	Biased	1.5809	1.5808	-0.0001
14	10	Biased	1.5439	1.5419	-0.002
15	10	Biased	1.5448	1.5436	-0.0012
16	10	Unbiased	1.5581	1.5592	0.0011
17	10	Unbiased	1.538	1.5427	0.0047
18	10	Unbiased	1.5648	1.5623	-0.0025
19	10	Unbiased	1.5517	1.5531	0.0014
20	10	Unbiased	1.5479	1.5489	0.001
21	30	Biased	1.5502	1.5459	-0.0043
22	30	Biased	1.5914	1.5844	-0.007
23	30	Biased	1.5858	1.5904	0.0046
24	30	Biased	1.5592	1.5635	0.0043
25	30	Biased	1.5724	1.5674	-0.005
26	30	Unbiased	1.5437	1.5465	0.0028
27	30	Unbiased	1.5572	1.5541	-0.0031
28	30	Unbiased	1.5602	1.5602	0
29	30	Unbiased	1.5896	1.5956	0.006
30	30	Unbiased	1.5689	1.5697	0.0008
31	50	Biased	1.5735	1.5748	0.0013
32	50	Biased	1.5672	1.5712	0.004
33	50	Biased	1.5754	1.5802	0.0048
34	50	Biased	1.5603	1.5565	-0.0038
35	50	Biased	1.5883	1.5988	0.0105
36	50	Unbiased	1.5482	1.5412	-0.007
37	50	Unbiased	1.5792	1.586	0.0068
38	50	Unbiased	1.5623	1.5566	-0.0057
39	50	Unbiased	1.5603	1.5724	0.0121
40	50	Unbiased	1.5504	1.559	0.0086
41	100	Biased	1.5703	1.5712	0.0009
42	100	Biased	1.5717	1.5744	0.0027
43	100	Biased	1.5467	1.5505	0.0038
44	100	Biased	1.5466	1.561	0.0144
45	100	Biased	1.56	1.5669	0.0069
46	100	Unbiased	1.5507	1.5518	0.0011
47	100	Unbiased	1.538	1.5425	0.0045
48	100	Unbiased	1.577	1.5672	-0.0098
49	100	Unbiased	1.5965	1.593	-0.0035
50	100	Unbiased	1.5643	1.5771	0.0128
51	0	Correlation	1.5617	1.5615	-0.0002
53	0	Correlation	1.5465	1.5462	-0.0003
54	0	Correlation	1.555	1.5548	-0.0002
55	0	Correlation	1.5411	1.5408	-0.0003
56	0	Correlation	1.5804	1.5803	-0.0001

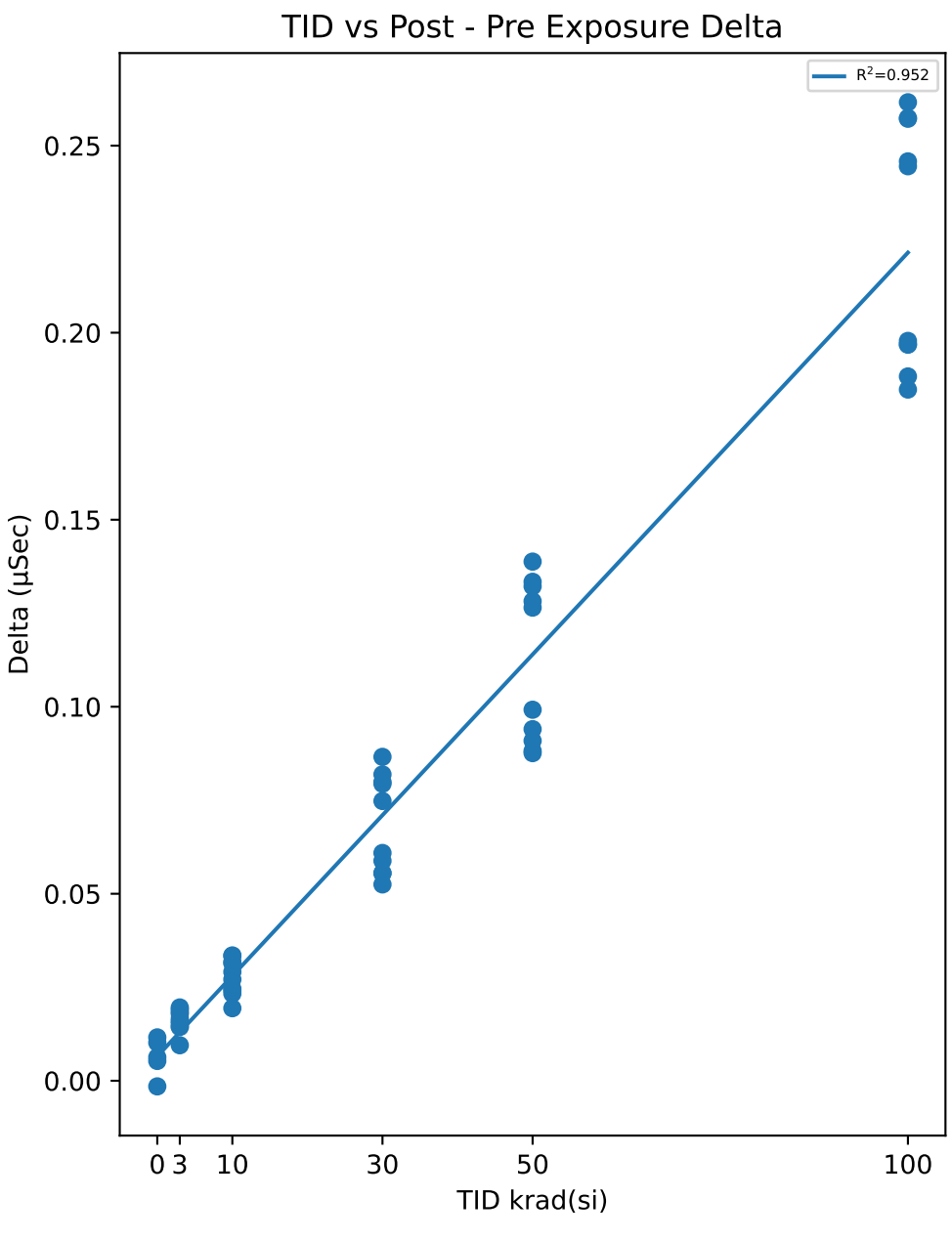


Test Statistics (s)

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	1.5411	1.5569	1.5804	0.015303	1.5408	1.5567	1.5803	0.015384	-0.0003	-0.00022	-0.0001	8.3666e-05
3	1.5244	1.5553	1.5816	0.019906	1.5229	1.555	1.5802	0.020677	-0.0025	-0.00031	0.004	0.0018003
10	1.538	1.5536	1.5809	0.012659	1.5419	1.5533	1.5808	0.012303	-0.0032	-0.00028	0.0047	0.0023902
30	1.5437	1.5679	1.5914	0.016711	1.5459	1.5678	1.5956	0.017512	-0.007	-9e-05	0.006	0.0045479
50	1.5482	1.5665	1.5883	0.01271	1.5412	1.5697	1.5988	0.016769	-0.007	0.00316	0.0121	0.0067796
100	1.538	1.5622	1.5965	0.017519	1.5425	1.5656	1.593	0.014792	-0.0098	0.00338	0.0144	0.0071247

Device Test: 5.9; PROPD_RESET





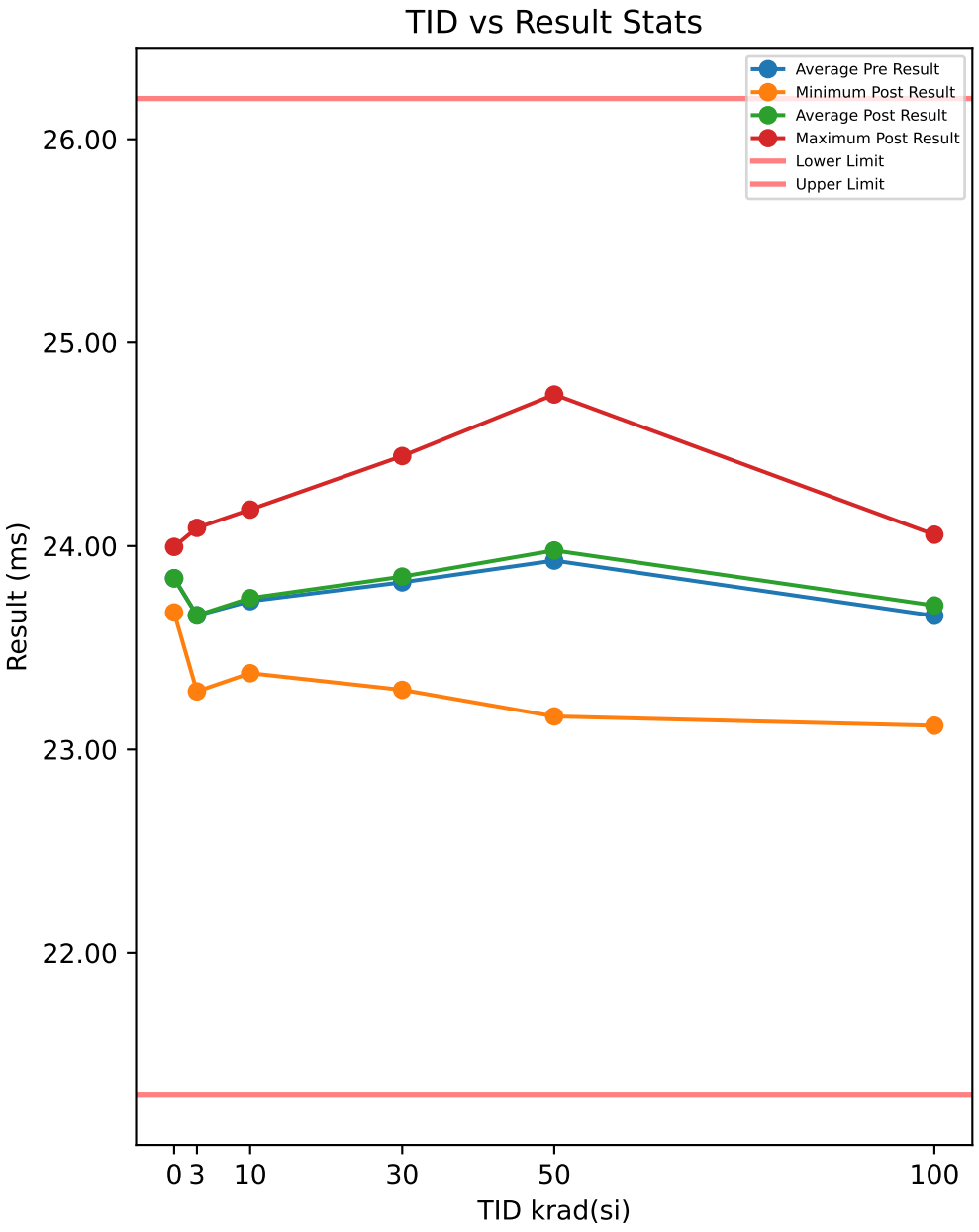
Test Results (Upper Limit = 4.3 (µSec))

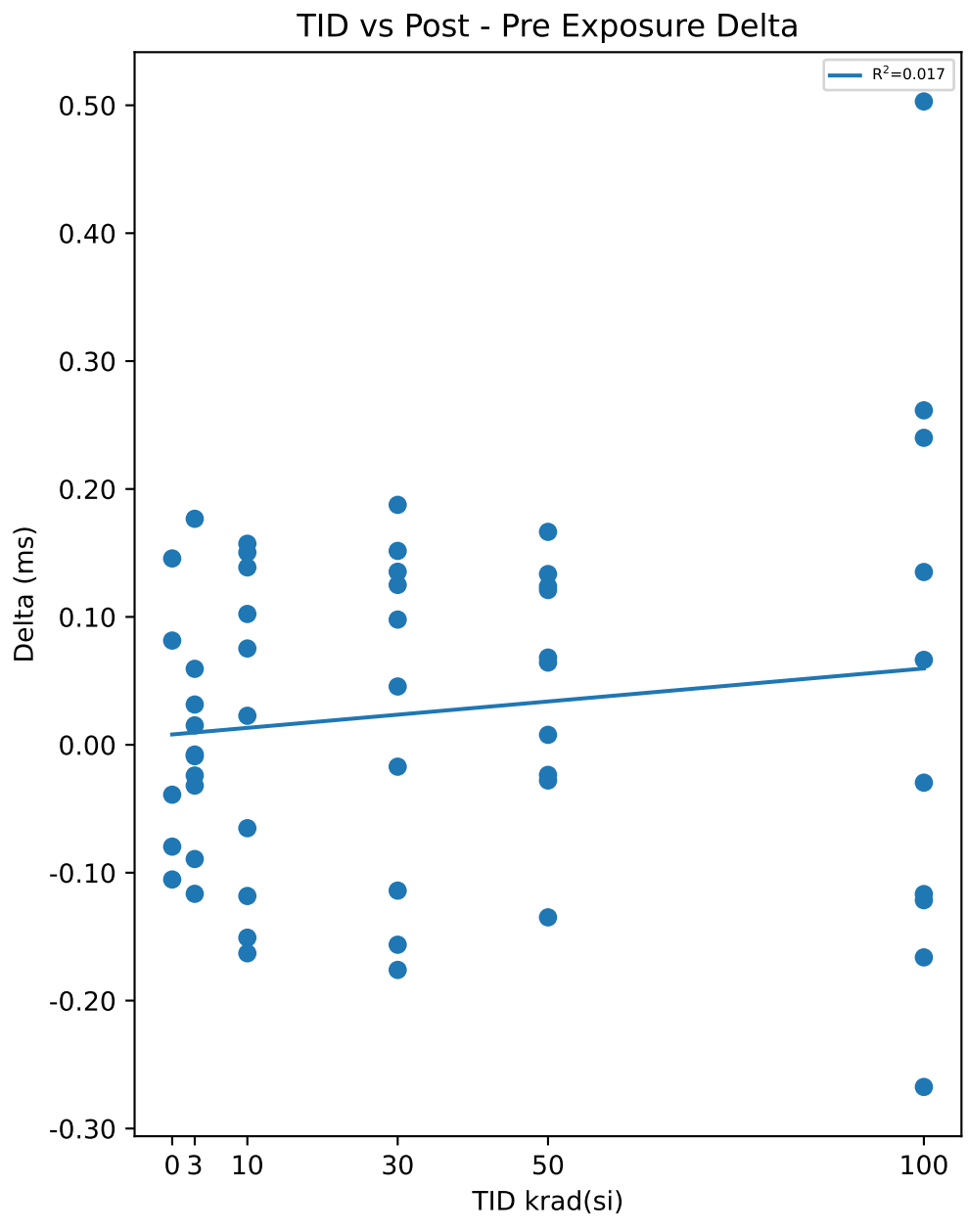
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	3.001	3.0164	0.0154
2	3	Biased	3.0277	3.0422	0.0145
3	3	Biased	2.9821	2.998	0.0159
4	3	Biased	2.9153	2.9248	0.0095
5	3	Biased	2.953	2.9721	0.0191
6	3	Unbiased	2.9207	2.9351	0.0144
7	3	Unbiased	2.9187	2.9353	0.0166
8	3	Unbiased	2.9253	2.9437	0.0184
9	3	Unbiased	2.9191	2.9387	0.0196
10	3	Unbiased	2.9264	2.9443	0.0179
11	10	Biased	2.8884	2.9078	0.0194
12	10	Biased	2.97	3.0034	0.0334
13	10	Biased	2.9217	2.9459	0.0242
14	10	Biased	2.8971	2.9204	0.0233
15	10	Biased	2.9652	2.9943	0.0291
16	10	Unbiased	2.9161	2.9432	0.0271
17	10	Unbiased	3.0054	3.0372	0.0318
18	10	Unbiased	2.9966	3.0301	0.0335
19	10	Unbiased	2.9266	2.958	0.0314
20	10	Unbiased	2.9753	2.9999	0.0246
21	30	Biased	2.9207	2.9762	0.0555
22	30	Biased	2.9093	2.9618	0.0525
23	30	Biased	2.9964	3.0573	0.0609
24	30	Biased	2.9034	2.9622	0.0588
25	30	Biased	2.9272	2.9827	0.0555
26	30	Unbiased	2.9596	3.039	0.0794
27	30	Unbiased	2.9316	3.0135	0.0819
28	30	Unbiased	2.9527	3.0393	0.0866
29	30	Unbiased	2.9194	2.9993	0.0799
30	30	Unbiased	2.913	2.9878	0.0748
31	50	Biased	2.914	3.0022	0.0882
32	50	Biased	2.9147	3.0023	0.0876
33	50	Biased	2.9147	3.0139	0.0992
34	50	Biased	2.9452	3.0392	0.094
35	50	Biased	3.0031	3.094	0.0909
36	50	Unbiased	2.9656	3.0978	0.1322
37	50	Unbiased	2.9721	3.1003	0.1282
38	50	Unbiased	2.9419	3.0684	0.1265
39	50	Unbiased	2.9284	3.0672	0.1388
40	50	Unbiased	2.9136	3.047	0.1334
41	100	Biased	3.026	3.2108	0.1848
42	100	Biased	2.9055	3.1023	0.1968
43	100	Biased	2.9318	3.1296	0.1978
44	100	Biased	2.9073	3.1042	0.1969
45	100	Biased	2.9291	3.1174	0.1883
46	100	Unbiased	2.9093	3.1538	0.2445
47	100	Unbiased	2.9513	3.2129	0.2616
48	100	Unbiased	2.9126	3.1584	0.2458
49	100	Unbiased	2.9442	3.2014	0.2572
50	100	Unbiased	2.8948	3.1522	0.2574
51	0	Correlation	2.9547	2.961	0.0063
53	0	Correlation	2.9873	2.9858	-0.0015
54	0	Correlation	2.9252	2.9305	0.0053
55	0	Correlation	2.9567	2.9683	0.0116
56	0	Correlation	2.8989	2.9091	0.0102

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	2.8989	2.9446	2.9873	0.033677	2.9091	2.9509	2.9858	0.030766	-0.0015	0.00638	0.0116	0.0051261
3	2.9153	2.9489	3.0277	0.040593	2.9248	2.9651	3.0422	0.040424	0.0095	0.01613	0.0196	0.0029732
10	2.8884	2.9462	3.0054	0.041448	2.9078	2.974	3.0372	0.04514	0.0194	0.02778	0.0335	0.0048189
30	2.9034	2.9333	2.9964	0.028526	2.9618	3.0019	3.0573	0.03399	0.0525	0.06858	0.0866	0.013087
50	2.9136	2.9413	3.0031	0.030674	3.0022	3.0532	3.1003	0.038398	0.0876	0.1119	0.1388	0.021478
100	2.8948	2.9312	3.026	0.037928	3.1023	3.1543	3.2129	0.042232	0.1848	0.22311	0.2616	0.032474

Device Test: 5.90; DLY_TMR_1MOHM





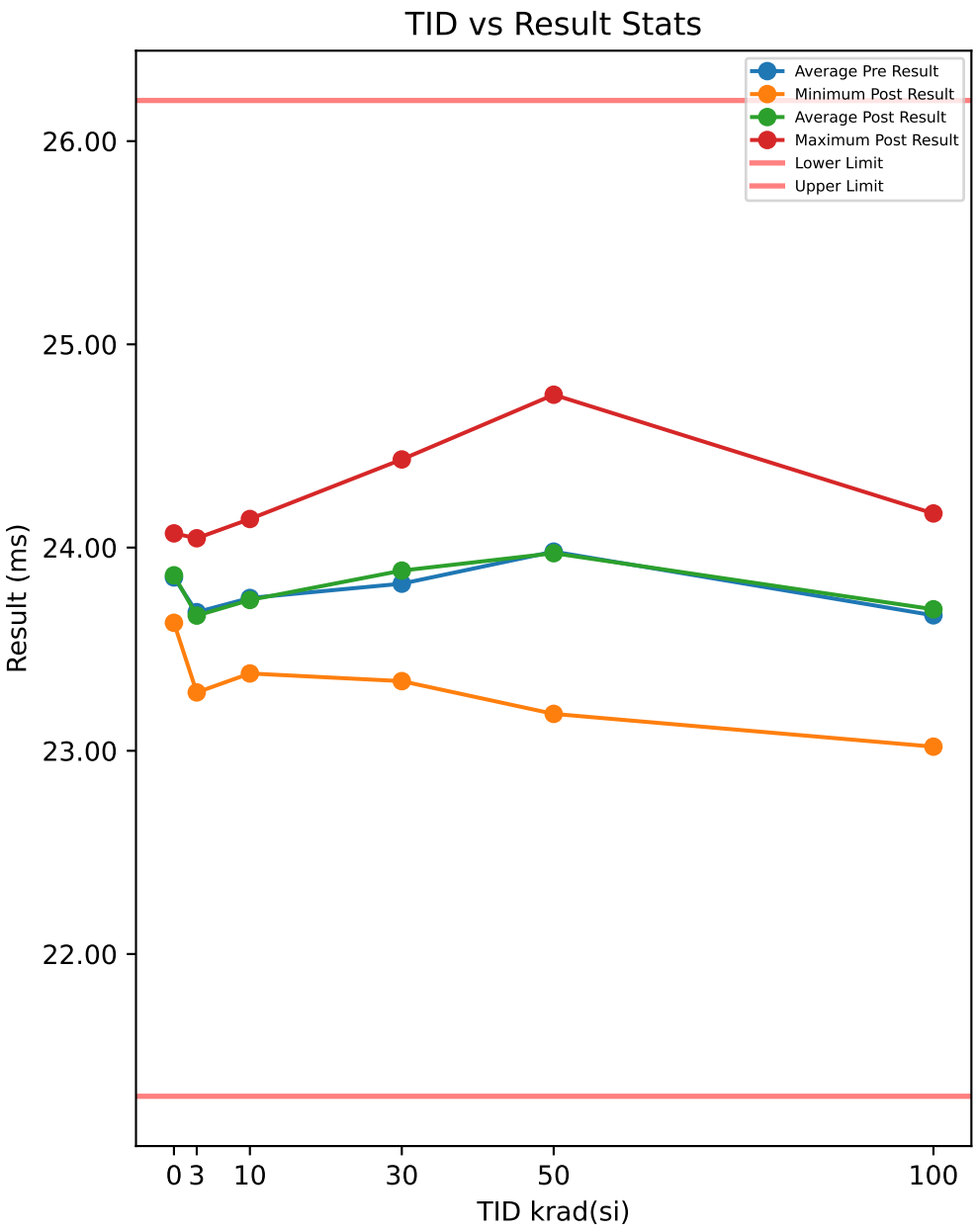
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

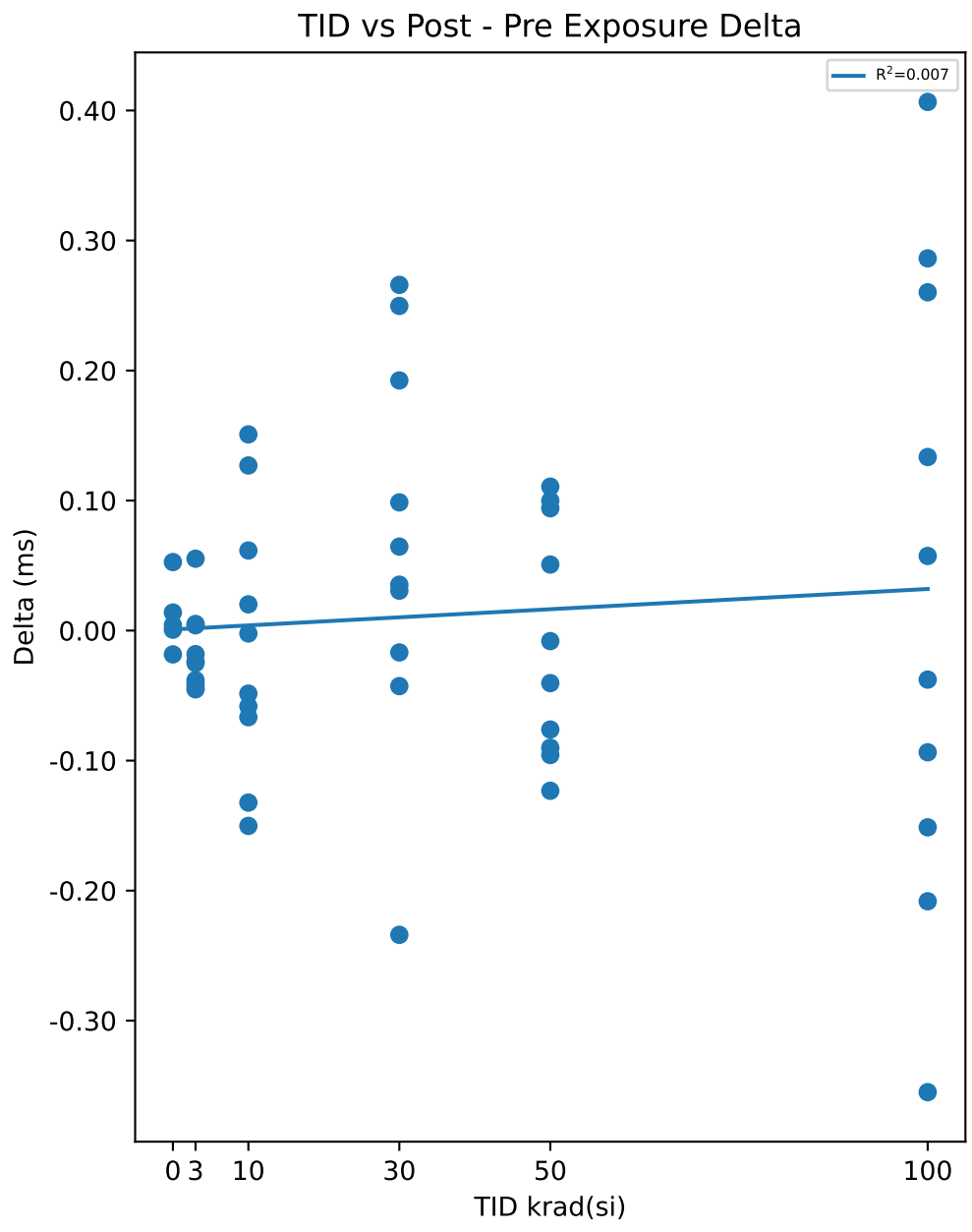
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.503	23.471	-0.0319
2	3	Biased	23.58	23.595	0.0152
3	3	Biased	23.795	23.855	0.0594
4	3	Biased	23.721	23.713	-0.0076
5	3	Biased	23.481	23.364	-0.1165
6	3	Unbiased	23.454	23.43	-0.024
7	3	Unbiased	24.036	24.067	0.0315
8	3	Unbiased	23.913	24.089	0.1767
9	3	Unbiased	23.733	23.724	-0.0089
10	3	Unbiased	23.374	23.285	-0.0893
11	10	Biased	23.378	23.528	0.1504
12	10	Biased	23.904	23.741	-0.163
13	10	Biased	23.338	23.477	0.1387
14	10	Biased	23.991	23.925	-0.0652
15	10	Biased	23.493	23.375	-0.1182
16	10	Unbiased	24.077	24.179	0.1023
17	10	Unbiased	24.102	24.125	0.0227
18	10	Unbiased	23.526	23.683	0.1572
19	10	Unbiased	23.709	23.784	0.0753
20	10	Unbiased	23.775	23.624	-0.1508
21	30	Biased	23.803	23.99	0.1876
22	30	Biased	23.661	23.547	-0.114
23	30	Biased	24.345	24.442	0.0979
24	30	Biased	23.449	23.293	-0.1563
25	30	Biased	23.904	23.887	-0.0171
26	30	Unbiased	23.831	23.655	-0.176
27	30	Unbiased	23.758	23.909	0.1516
28	30	Unbiased	23.886	23.931	0.0456
29	30	Unbiased	23.651	23.786	0.1353
30	30	Unbiased	23.932	24.057	0.125
31	50	Biased	24.029	24.002	-0.0279
32	50	Biased	23.297	23.162	-0.1349
33	50	Biased	23.896	24.062	0.1665
34	50	Biased	24.611	24.745	0.1335
35	50	Biased	24.021	24.085	0.0643
36	50	Unbiased	23.616	23.737	0.121
37	50	Unbiased	23.422	23.43	0.0078
38	50	Unbiased	24.068	24.044	-0.0235
39	50	Unbiased	24.141	24.265	0.1239
40	50	Unbiased	24.183	24.251	0.0682
41	100	Biased	23.411	23.914	0.503
42	100	Biased	23.56	23.443	-0.1167
43	100	Biased	23.341	23.476	0.1351
44	100	Biased	23.887	23.765	-0.1215
45	100	Biased	23.384	23.117	-0.2675
46	100	Unbiased	24.22	24.054	-0.1662
47	100	Unbiased	23.904	23.97	0.0664
48	100	Unbiased	23.305	23.566	0.2615
49	100	Unbiased	24.085	24.056	-0.0296
50	100	Unbiased	23.478	23.718	0.24
51	0	Correlation	24.075	23.996	-0.0796
53	0	Correlation	23.955	23.916	-0.039
54	0	Correlation	23.845	23.739	-0.1053
55	0	Correlation	23.739	23.885	0.1457
56	0	Correlation	23.592	23.674	0.0815

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	23.592	23.841	24.075	0.18722	23.674	23.842	23.996	0.13218	-0.1053	0.00066	0.1457	0.10818
3	23.374	23.659	24.036	0.21582	23.285	23.659	24.089	0.28194	-0.1165	0.00046	0.1767	0.081138
10	23.338	23.729	24.102	0.28566	23.375	23.744	24.179	0.26686	-0.163	0.01494	0.1572	0.12846
30	23.449	23.822	24.345	0.23448	23.293	23.85	24.442	0.31081	-0.176	0.02796	0.1876	0.13526
50	23.297	23.928	24.611	0.38985	23.162	23.978	24.745	0.44625	-0.1349	0.04989	0.1665	0.093703
100	23.305	23.657	24.22	0.33578	23.117	23.708	24.056	0.30704	-0.2675	0.05045	0.503	0.23679

Device Test: 5.91; DLY_TMR_1MOHM





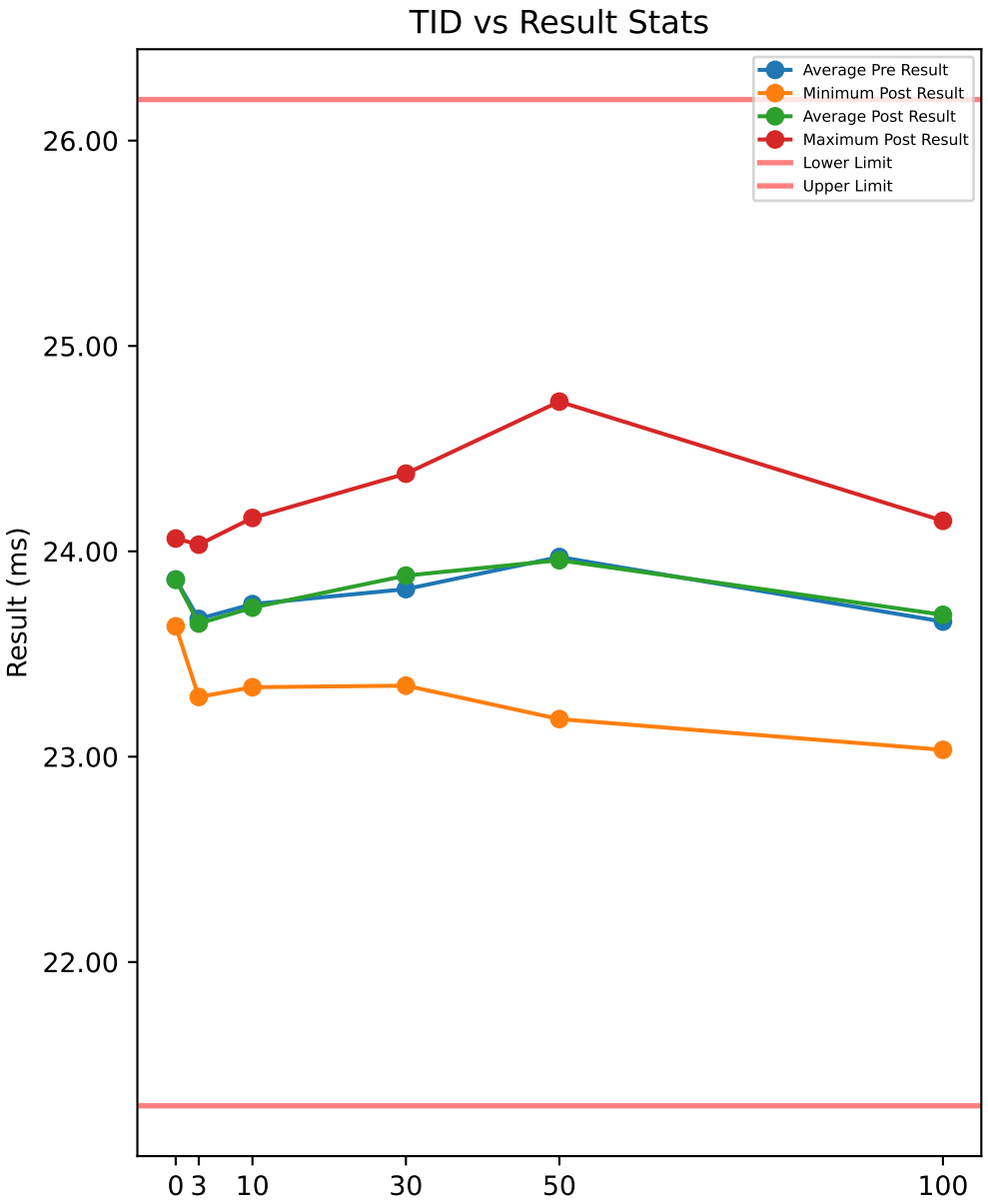
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

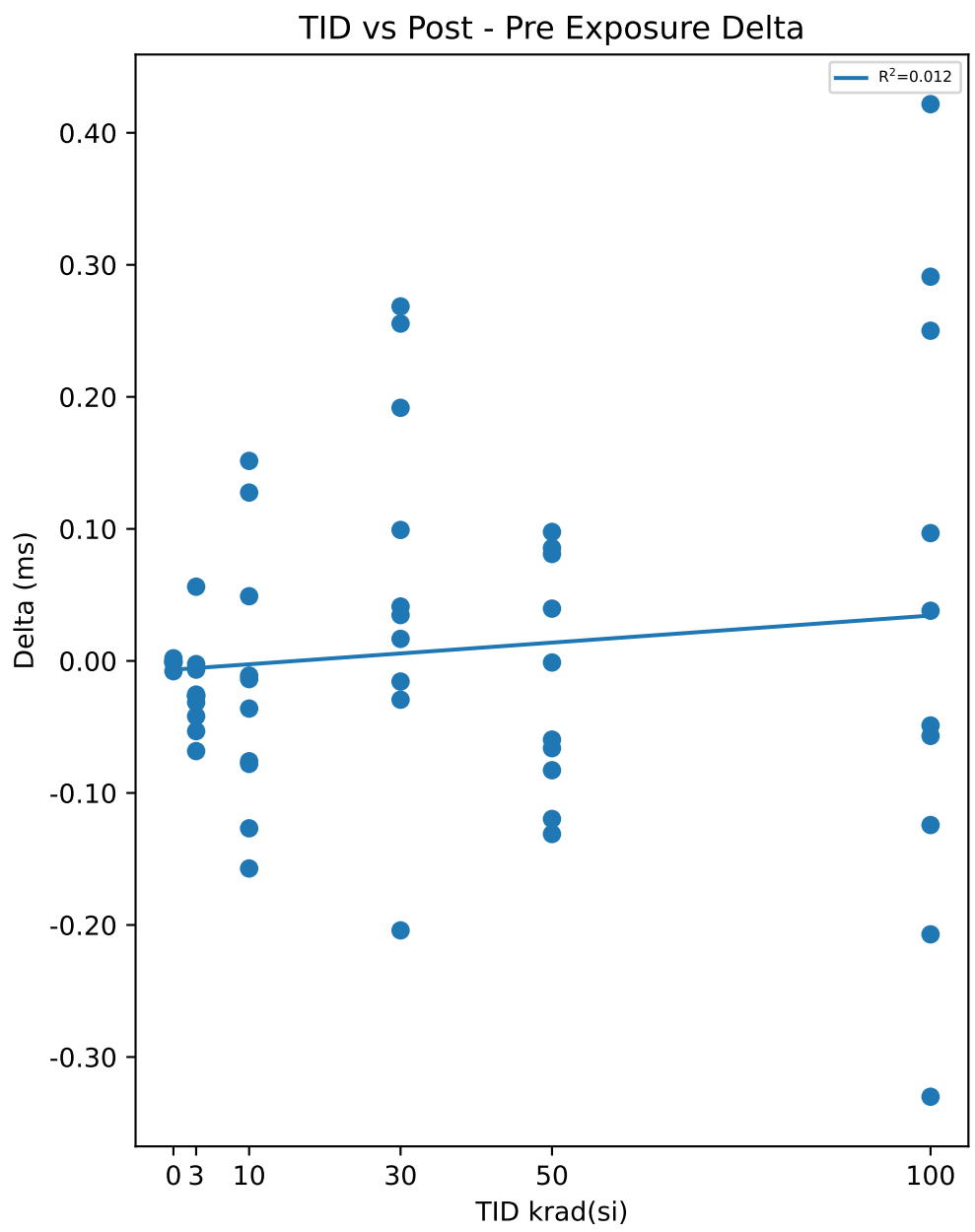
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.437	23.414	-0.0236
2	3	Biased	23.666	23.628	-0.0381
3	3	Biased	23.886	23.845	-0.0406
4	3	Biased	23.821	23.777	-0.0438
5	3	Biased	23.437	23.442	0.0051
6	3	Unbiased	23.423	23.398	-0.025
7	3	Unbiased	23.985	24.041	0.0553
8	3	Unbiased	24.042	24.046	0.0041
9	3	Unbiased	23.793	23.775	-0.0181
10	3	Unbiased	23.332	23.287	-0.0452
11	10	Biased	23.313	23.464	0.1509
12	10	Biased	23.848	23.716	-0.1323
13	10	Biased	23.383	23.381	-0.0022
14	10	Biased	24.006	24.027	0.0202
15	10	Biased	23.499	23.441	-0.0582
16	10	Unbiased	24.189	24.141	-0.0485
17	10	Unbiased	24.13	24.063	-0.0666
18	10	Unbiased	23.618	23.745	0.127
19	10	Unbiased	23.763	23.825	0.0616
20	10	Unbiased	23.769	23.619	-0.1502
21	30	Biased	23.867	24.116	0.2497
22	30	Biased	23.597	23.632	0.0353
23	30	Biased	24.369	24.434	0.0646
24	30	Biased	23.36	23.343	-0.0168
25	30	Biased	23.874	23.831	-0.0427
26	30	Unbiased	23.913	23.679	-0.234
27	30	Unbiased	23.684	23.95	0.2659
28	30	Unbiased	23.941	23.971	0.0307
29	30	Unbiased	23.672	23.771	0.0986
30	30	Unbiased	23.947	24.14	0.1924
31	50	Biased	24.055	23.932	-0.1232
32	50	Biased	23.272	23.182	-0.0901
33	50	Biased	23.998	24.049	0.0508
34	50	Biased	24.658	24.752	0.0941
35	50	Biased	24.099	24.023	-0.0761
36	50	Unbiased	23.668	23.66	-0.0081
37	50	Unbiased	23.426	23.33	-0.0957
38	50	Unbiased	24.216	24.175	-0.0404
39	50	Unbiased	24.158	24.258	0.0999
40	50	Unbiased	24.251	24.362	0.1107
41	100	Biased	23.412	23.818	0.4066
42	100	Biased	23.467	23.373	-0.0936
43	100	Biased	23.411	23.545	0.1335
44	100	Biased	23.976	23.768	-0.2082
45	100	Biased	23.375	23.02	-0.355
46	100	Unbiased	24.189	24.038	-0.1513
47	100	Unbiased	24.007	24.064	0.0574
48	100	Unbiased	23.204	23.491	0.2863
49	100	Unbiased	24.206	24.168	-0.0377
50	100	Unbiased	23.418	23.678	0.2602
51	0	Correlation	24.069	24.07	0.0007
53	0	Correlation	23.955	23.969	0.0139
54	0	Correlation	23.827	23.809	-0.0183
55	0	Correlation	23.836	23.84	0.0042
56	0	Correlation	23.577	23.63	0.0527

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	23.853	24.069	0.18321	23.63	23.864	24.07	0.16726	-0.0183	0.01064	0.0527	0.026256
3	23.332	23.682	24.042	0.259	23.287	23.665	24.046	0.27309	-0.0452	-0.01699	0.0553	0.031243
10	23.313	23.752	24.189	0.30173	23.381	23.742	24.141	0.27177	-0.1502	-0.00983	0.1509	0.10131
30	23.36	23.822	24.369	0.26834	23.343	23.887	24.434	0.30681	-0.234	0.06437	0.2659	0.14966
50	23.272	23.98	24.658	0.41458	23.182	23.972	24.752	0.47469	-0.1232	-0.00781	0.1107	0.090064
100	23.204	23.667	24.206	0.38092	23.02	23.696	24.168	0.35305	-0.355	0.02982	0.4066	0.24259

Device Test: 5.92; DLY_TMR_1MOHM





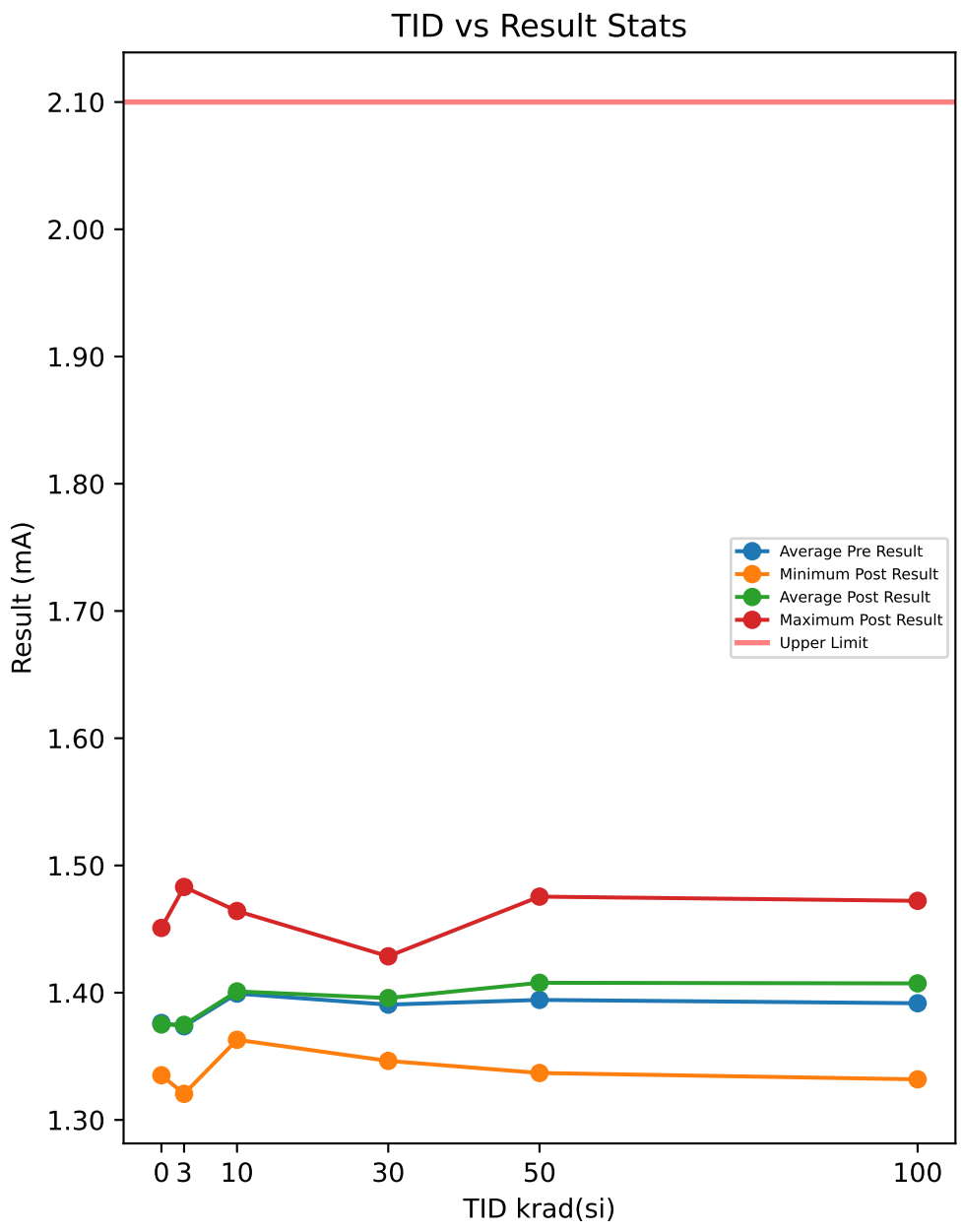
Test Results (Lower Limit = 21.3, Upper Limit = 26.2 (ms))

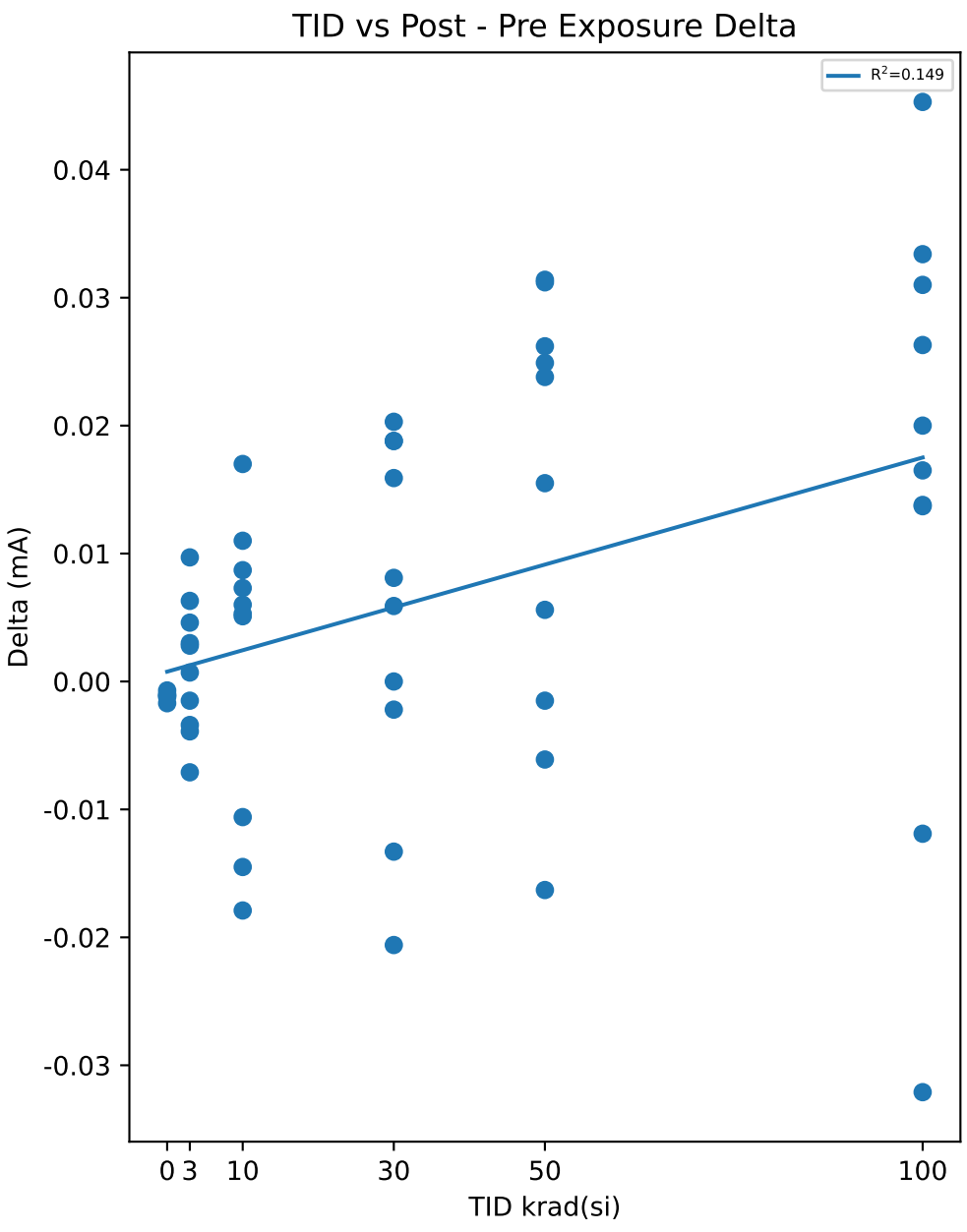
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	23.425	23.398	-0.0267
2	3	Biased	23.659	23.617	-0.0419
3	3	Biased	23.863	23.837	-0.0255
4	3	Biased	23.803	23.735	-0.0683
5	3	Biased	23.431	23.424	-0.0066
6	3	Unbiased	23.417	23.364	-0.0532
7	3	Unbiased	23.976	24.032	0.0562
8	3	Unbiased	24.031	24.029	-0.0024
9	3	Unbiased	23.783	23.756	-0.0265
10	3	Unbiased	23.322	23.291	-0.0314
11	10	Biased	23.303	23.454	0.1515
12	10	Biased	23.84	23.713	-0.1268
13	10	Biased	23.374	23.338	-0.0361
14	10	Biased	23.992	23.981	-0.0111
15	10	Biased	23.492	23.415	-0.078
16	10	Unbiased	24.177	24.163	-0.0138
17	10	Unbiased	24.121	24.045	-0.076
18	10	Unbiased	23.607	23.735	0.1275
19	10	Unbiased	23.756	23.805	0.049
20	10	Unbiased	23.767	23.61	-0.1572
21	30	Biased	23.859	24.115	0.2555
22	30	Biased	23.585	23.62	0.0347
23	30	Biased	24.362	24.378	0.0167
24	30	Biased	23.361	23.346	-0.0156
25	30	Biased	23.862	23.833	-0.0294
26	30	Unbiased	23.906	23.702	-0.2041
27	30	Unbiased	23.671	23.94	0.2685
28	30	Unbiased	23.934	23.976	0.0412
29	30	Unbiased	23.679	23.778	0.0992
30	30	Unbiased	23.94	24.132	0.1917
31	50	Biased	24.047	23.928	-0.1197
32	50	Biased	23.266	23.183	-0.0828
33	50	Biased	23.991	24.03	0.0396
34	50	Biased	24.648	24.729	0.081
35	50	Biased	24.093	24.027	-0.0661
36	50	Unbiased	23.662	23.661	-0.0012
37	50	Unbiased	23.415	23.284	-0.1311
38	50	Unbiased	24.207	24.148	-0.0596
39	50	Unbiased	24.151	24.248	0.0977
40	50	Unbiased	24.243	24.328	0.0855
41	100	Biased	23.406	23.828	0.4217
42	100	Biased	23.46	23.403	-0.0568
43	100	Biased	23.401	23.497	0.0968
44	100	Biased	23.968	23.761	-0.2071
45	100	Biased	23.363	23.033	-0.3301
46	100	Unbiased	24.183	24.059	-0.1243
47	100	Unbiased	23.997	24.035	0.038
48	100	Unbiased	23.195	23.486	0.291
49	100	Unbiased	24.198	24.149	-0.0489
50	100	Unbiased	23.408	23.658	0.2501
51	0	Correlation	24.063	24.062	-0.0008
53	0	Correlation	23.96	23.959	-0.0012
54	0	Correlation	23.818	23.818	-0.0006
55	0	Correlation	23.841	23.834	-0.0078
56	0	Correlation	23.633	23.635	0.002

Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.633	23.863	24.063	0.16194	23.635	23.861	24.062	0.16115	-0.0078	-0.00168	0.002	0.0036458
3	23.322	23.671	24.031	0.25695	23.291	23.648	24.032	0.27278	-0.0683	-0.02263	0.0562	0.033975
10	23.303	23.743	24.177	0.30067	23.338	23.726	24.163	0.27859	-0.1572	-0.0171	0.1515	0.10163
30	23.361	23.816	24.362	0.26639	23.346	23.882	24.378	0.29379	-0.2041	0.06584	0.2685	0.14397
50	23.266	23.972	24.648	0.41402	23.183	23.957	24.729	0.47204	-0.1311	-0.01567	0.0977	0.087447
100	23.195	23.658	24.198	0.38138	23.033	23.691	24.149	0.34671	-0.3301	0.03304	0.4217	0.2352

Device Test: 6.1; ISD





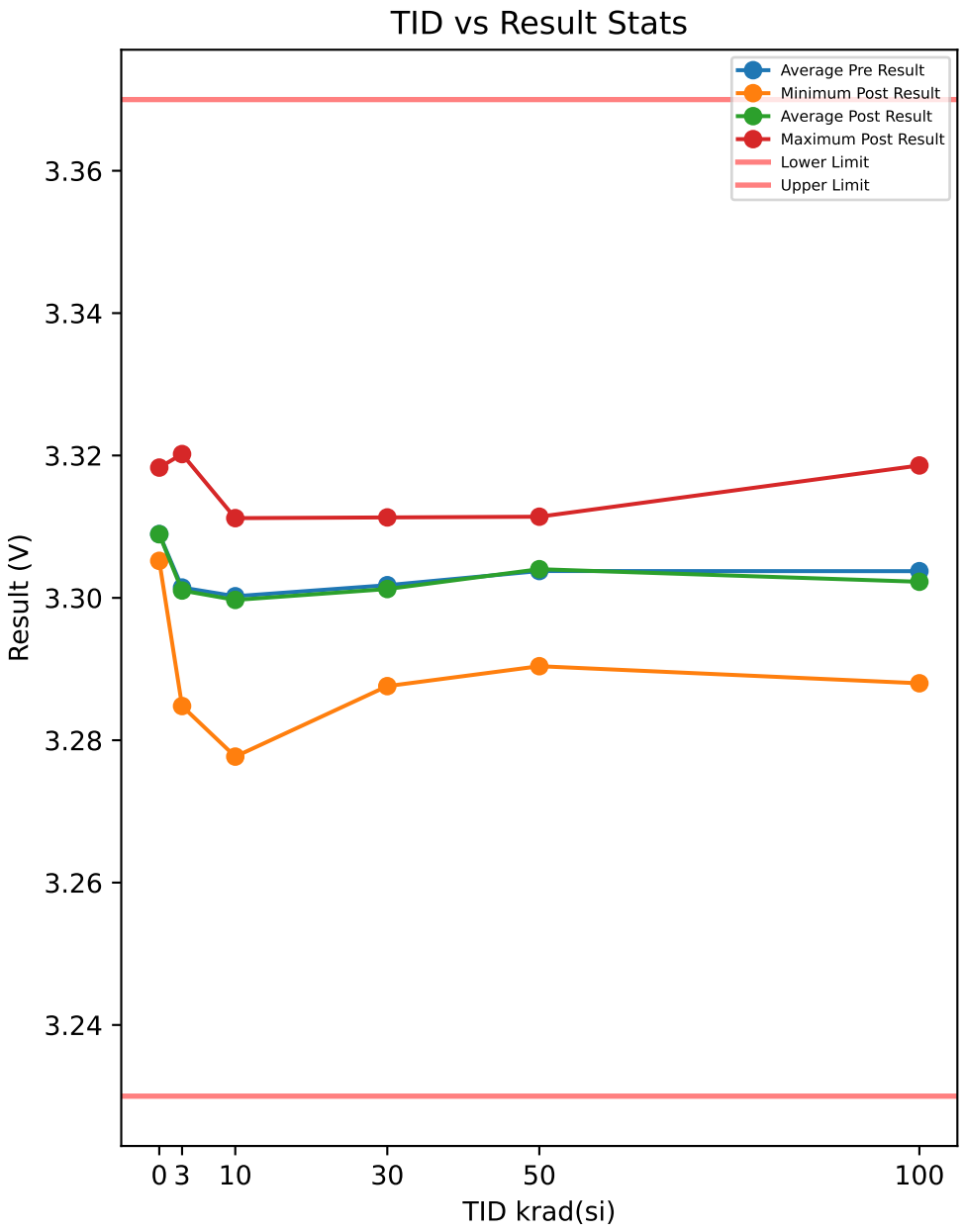
Test Results (Upper Limit = 2.1 (mA))

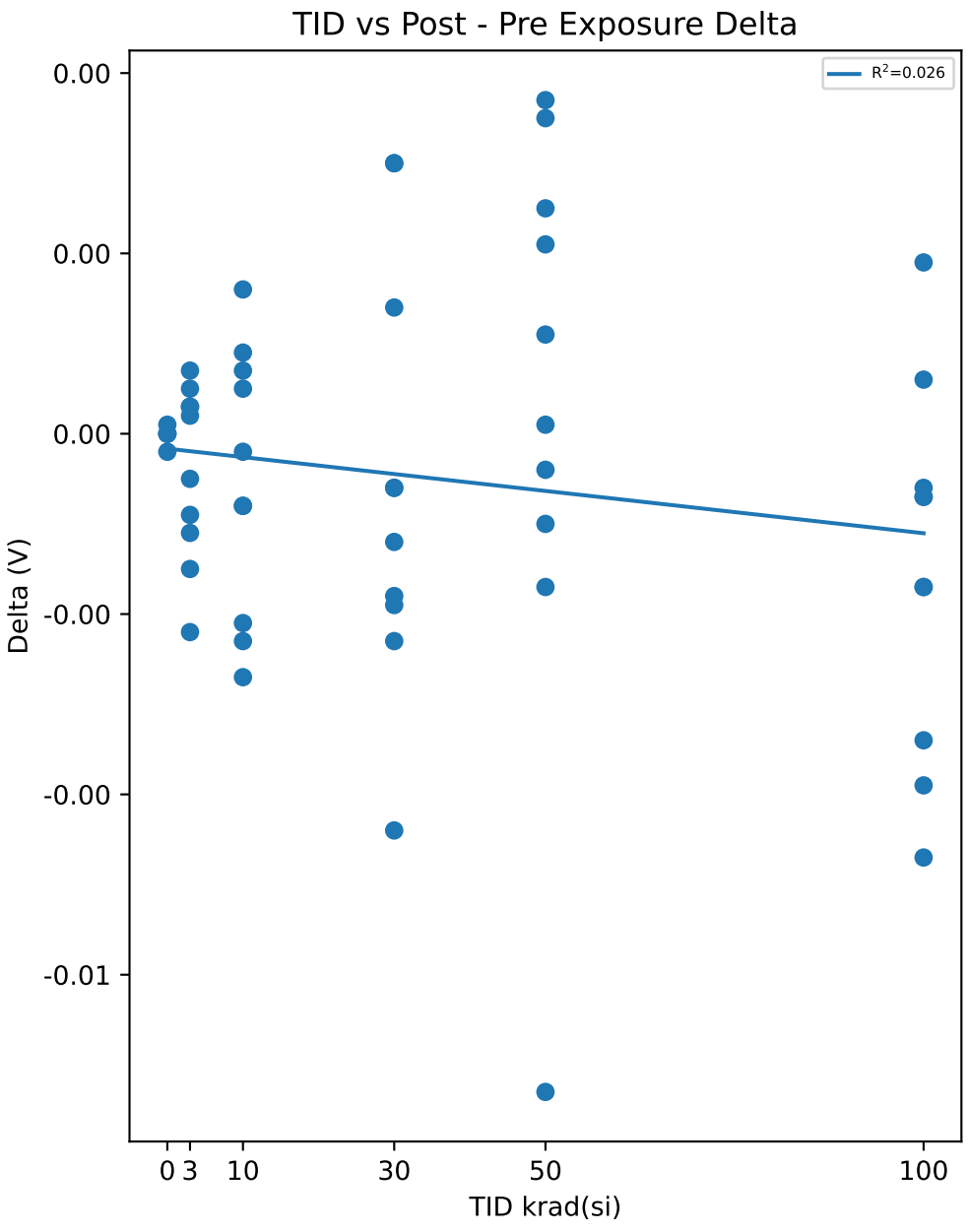
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.3853	1.3819	-0.0034
2	3	Biased	1.3685	1.3782	0.0097
3	3	Biased	1.354	1.3547	0.0007
4	3	Biased	1.3935	1.3864	-0.0071
5	3	Biased	1.3453	1.3483	0.003
6	3	Unbiased	1.3244	1.3205	-0.0039
7	3	Unbiased	1.3774	1.382	0.0046
8	3	Unbiased	1.3304	1.3289	-0.0015
9	3	Unbiased	1.4768	1.4831	0.0063
10	3	Unbiased	1.3806	1.3834	0.0028
11	10	Biased	1.3809	1.363	-0.0179
12	10	Biased	1.4037	1.4097	0.006
13	10	Biased	1.3818	1.3891	0.0073
14	10	Biased	1.4238	1.4093	-0.0145
15	10	Biased	1.3723	1.3776	0.0053
16	10	Unbiased	1.3969	1.4079	0.011
17	10	Unbiased	1.3792	1.3686	-0.0106
18	10	Unbiased	1.4591	1.4642	0.0051
19	10	Unbiased	1.384	1.3927	0.0087
20	10	Unbiased	1.411	1.428	0.017
21	30	Biased	1.3323	1.3511	0.0188
22	30	Biased	1.4127	1.4286	0.0159
23	30	Biased	1.3797	1.4	0.0203
24	30	Biased	1.3803	1.3781	-0.0022
25	30	Biased	1.4157	1.4157	0
26	30	Unbiased	1.4011	1.4092	0.0081
27	30	Unbiased	1.4041	1.3835	-0.0206
28	30	Unbiased	1.3981	1.4169	0.0188
29	30	Unbiased	1.3597	1.3464	-0.0133
30	30	Unbiased	1.4225	1.4284	0.0059
31	50	Biased	1.3611	1.3766	0.0155
32	50	Biased	1.3819	1.4057	0.0238
33	50	Biased	1.3774	1.4088	0.0314
34	50	Biased	1.438	1.4642	0.0262
35	50	Biased	1.3334	1.3646	0.0312
36	50	Unbiased	1.4202	1.4039	-0.0163
37	50	Unbiased	1.312	1.3369	0.0249
38	50	Unbiased	1.3712	1.3768	0.0056
39	50	Unbiased	1.477	1.4755	-0.0015
40	50	Unbiased	1.4711	1.465	-0.0061
41	100	Biased	1.3056	1.3319	0.0263
42	100	Biased	1.3979	1.3658	-0.0321
43	100	Biased	1.3481	1.3934	0.0453
44	100	Biased	1.4584	1.4722	0.0138
45	100	Biased	1.3655	1.3855	0.02
46	100	Unbiased	1.4049	1.4186	0.0137
47	100	Unbiased	1.4095	1.4429	0.0334
48	100	Unbiased	1.3898	1.4208	0.031
49	100	Unbiased	1.4786	1.4667	-0.0119
50	100	Unbiased	1.3589	1.3754	0.0165
51	0	Correlation	1.3435	1.3424	-0.0011
53	0	Correlation	1.3363	1.3351	-0.0012
54	0	Correlation	1.3763	1.3756	-0.0007
55	0	Correlation	1.4519	1.4509	-0.001
56	0	Correlation	1.373	1.3713	-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	1.3363	1.3762	1.4519	0.045831	1.3351	1.3751	1.4509	0.045906	-0.0017	-0.00114	-0.0007	0.00036469
3	1.3244	1.3736	1.4768	0.043134	1.3205	1.3747	1.4831	0.044985	-0.0071	0.00112	0.0097	0.0051549
10	1.3723	1.3993	1.4591	0.026563	1.363	1.401	1.4642	0.030124	-0.0179	0.00174	0.017	0.011747
30	1.3323	1.3906	1.4225	0.028015	1.3464	1.3958	1.4286	0.029963	-0.0206	0.00517	0.0203	0.014185
50	1.312	1.3943	1.477	0.055653	1.3369	1.4078	1.4755	0.047004	-0.0163	0.01347	0.0314	0.016979
100	1.3056	1.3917	1.4786	0.051219	1.3319	1.4073	1.4722	0.045229	-0.0321	0.0156	0.0453	0.02263

Device Test: 6.10; VLDO_REG





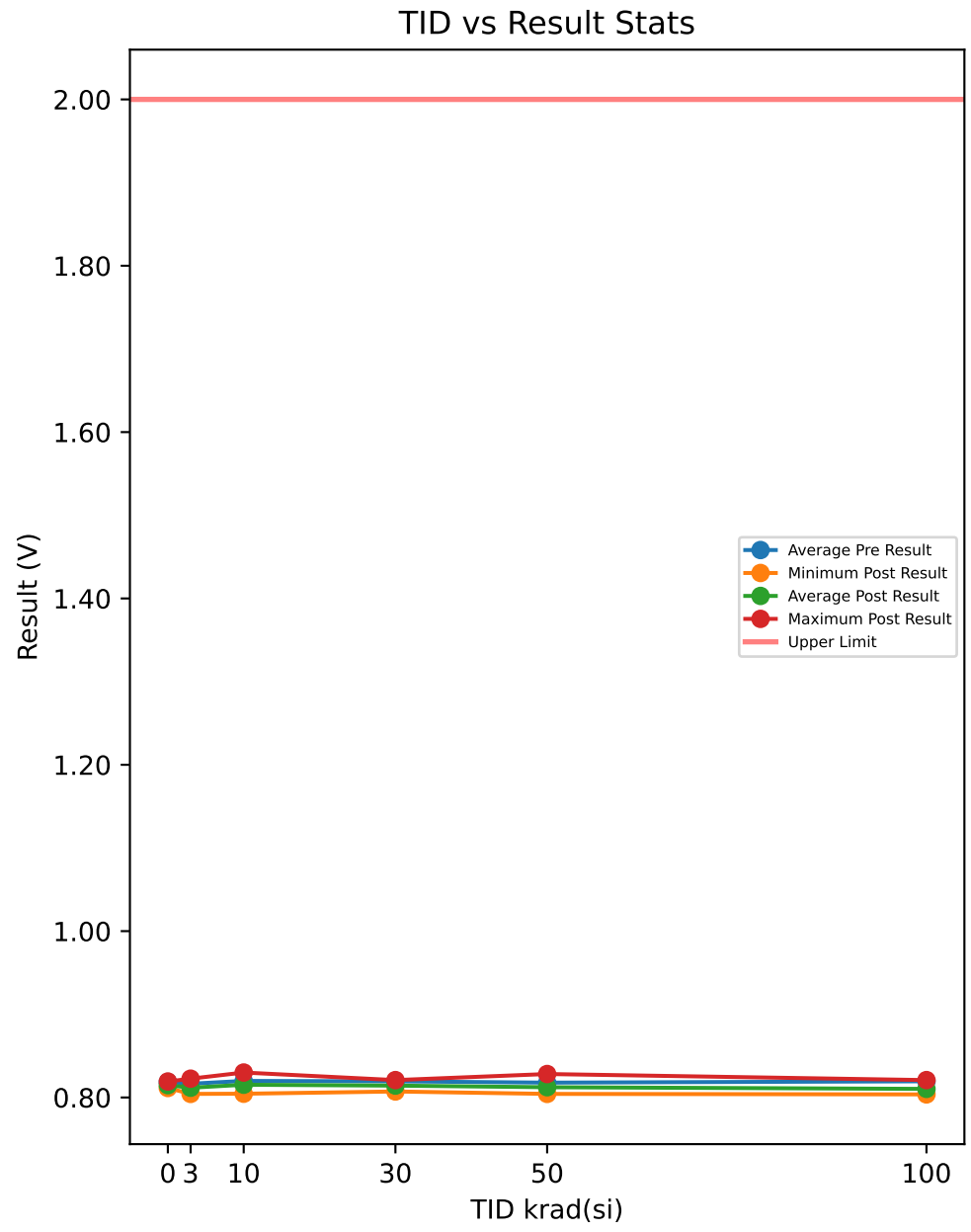
Test Results (Lower Limit = 3.23, Upper Limit = 3.37 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	3.2999	3.2984	-0.0015
2	3	Biased	3.3007	3.2996	-0.0011
3	3	Biased	3.3034	3.3041	0.0007
4	3	Biased	3.2932	3.2923	-0.0009
5	3	Biased	3.3031	3.3026	-0.0005
6	3	Unbiased	3.3069	3.3072	0.0003
7	3	Unbiased	3.3045	3.3047	0.0002
8	3	Unbiased	3.287	3.2848	-0.0022
9	3	Unbiased	3.3199	3.3202	0.0003
10	3	Unbiased	3.2959	3.2964	0.0005
11	10	Biased	3.2994	3.301	0.0016
12	10	Biased	3.2821	3.2826	0.0005
13	10	Biased	3.3036	3.3028	-0.0008
14	10	Biased	3.3068	3.3047	-0.0021
15	10	Biased	3.3082	3.3074	-0.0008
16	10	Unbiased	3.28	3.2777	-0.0023
17	10	Unbiased	3.3046	3.3044	-0.0002
18	10	Unbiased	3.3096	3.3105	0.0009
19	10	Unbiased	3.2975	3.2948	-0.0027
20	10	Unbiased	3.3105	3.3112	0.0007
21	30	Biased	3.3083	3.3097	0.0014
22	30	Biased	3.3098	3.3092	-0.0006
23	30	Biased	3.2873	3.2903	0.003
24	30	Biased	3.3007	3.2995	-0.0012
25	30	Biased	3.3136	3.3113	-0.0023
26	30	Unbiased	3.3042	3.2998	-0.0044
27	30	Unbiased	3.2894	3.2876	-0.0018
28	30	Unbiased	3.3003	3.2984	-0.0019
29	30	Unbiased	3.2985	3.2979	-0.0006
30	30	Unbiased	3.3057	3.3087	0.003
31	50	Biased	3.3004	3.3015	0.0011
32	50	Biased	3.2914	3.2904	-0.001
33	50	Biased	3.312	3.3103	-0.0017
34	50	Biased	3.3146	3.3073	-0.0073
35	50	Biased	3.3102	3.3103	0.0001
36	50	Unbiased	3.295	3.2971	0.0021
37	50	Unbiased	3.3079	3.3114	0.0035
38	50	Unbiased	3.2981	3.3018	0.0037
39	50	Unbiased	3.3013	3.3038	0.0025
40	50	Unbiased	3.3068	3.3064	-0.0004
41	100	Biased	3.2927	3.288	-0.0047
42	100	Biased	3.2949	3.2968	0.0019
43	100	Biased	3.293	3.2924	-0.0006
44	100	Biased	3.3117	3.3123	0.0006
45	100	Biased	3.3068	3.3061	-0.0007
46	100	Unbiased	3.3043	3.3026	-0.0017
47	100	Unbiased	3.3156	3.3149	-0.0007
48	100	Unbiased	3.2964	3.293	-0.0034
49	100	Unbiased	3.3203	3.3186	-0.0017
50	100	Unbiased	3.3018	3.2979	-0.0039
51	0	Correlation	3.3185	3.3183	-0.0002
53	0	Correlation	3.3054	3.3054	0
54	0	Correlation	3.3057	3.3057	0
55	0	Correlation	3.31	3.3101	0.0001
56	0	Correlation	3.3052	3.3052	0

Test Statistics (V)

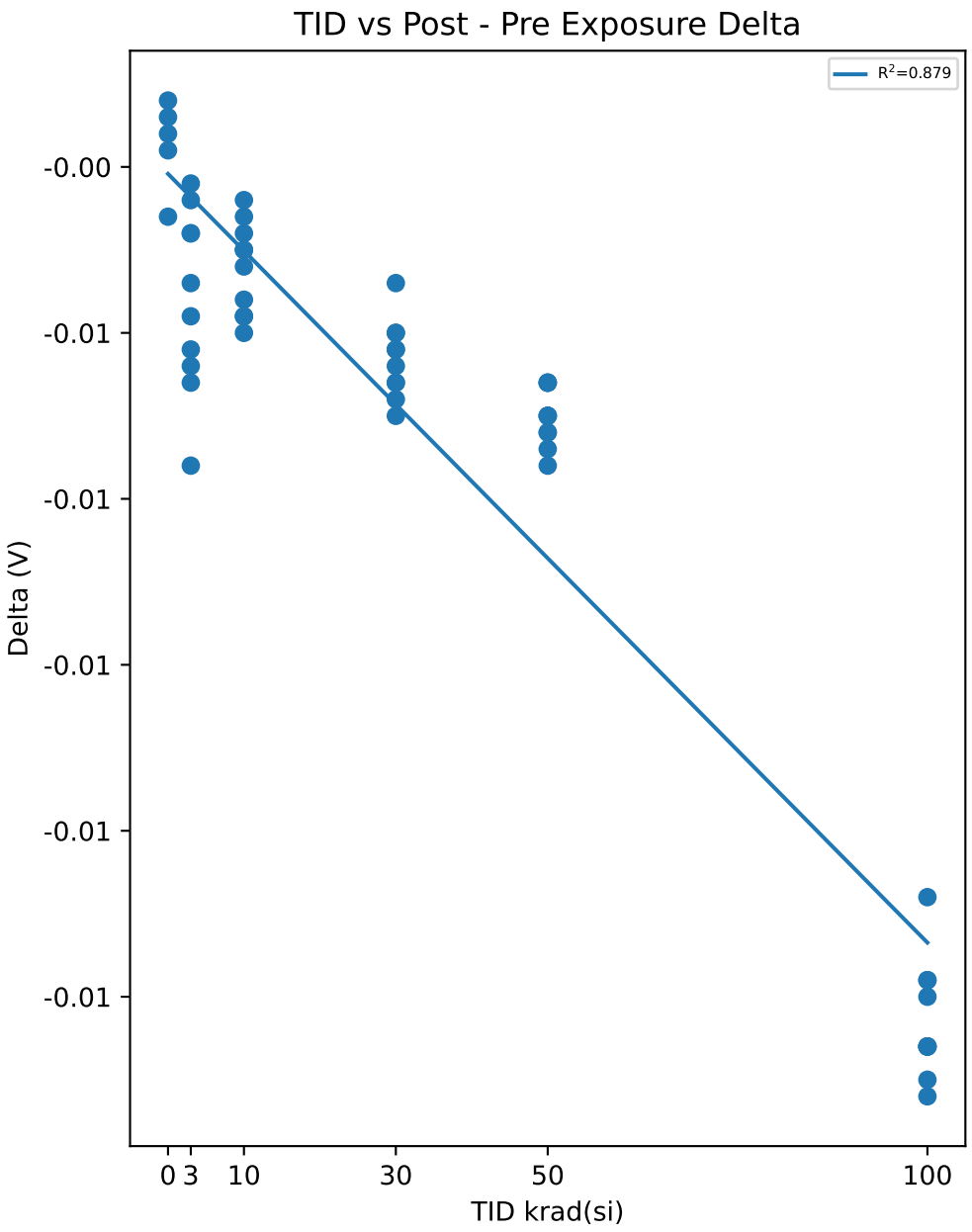
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3.3052	3.309	3.3185	0.0056906	3.3052	3.3089	3.3183	0.0056119	-0.0002	-2e-05	0.0001	0.00010954
3	3.287	3.3014	3.3199	0.0087975	3.2848	3.301	3.3202	0.0094336	-0.0022	-0.00042	0.0007	0.00097502
10	3.28	3.3002	3.3105	0.010937	3.2777	3.2997	3.3112	0.011387	-0.0027	-0.00052	0.0016	0.0014801
30	3.2873	3.3018	3.3136	0.0084644	3.2876	3.3012	3.3113	0.0083123	-0.0044	-0.00054	0.003	0.0023736
50	3.2914	3.3038	3.3146	0.0076894	3.2904	3.304	3.3114	0.0066205	-0.0073	0.00026	0.0037	0.0032401
100	3.2927	3.3037	3.3203	0.0097806	3.288	3.3023	3.3186	0.010422	-0.0047	-0.00149	0.0019	0.002048

Device Test: 6.100; VOL_RESET_10MA_OD



Test Results (Upper Limit = 2.0 (V))

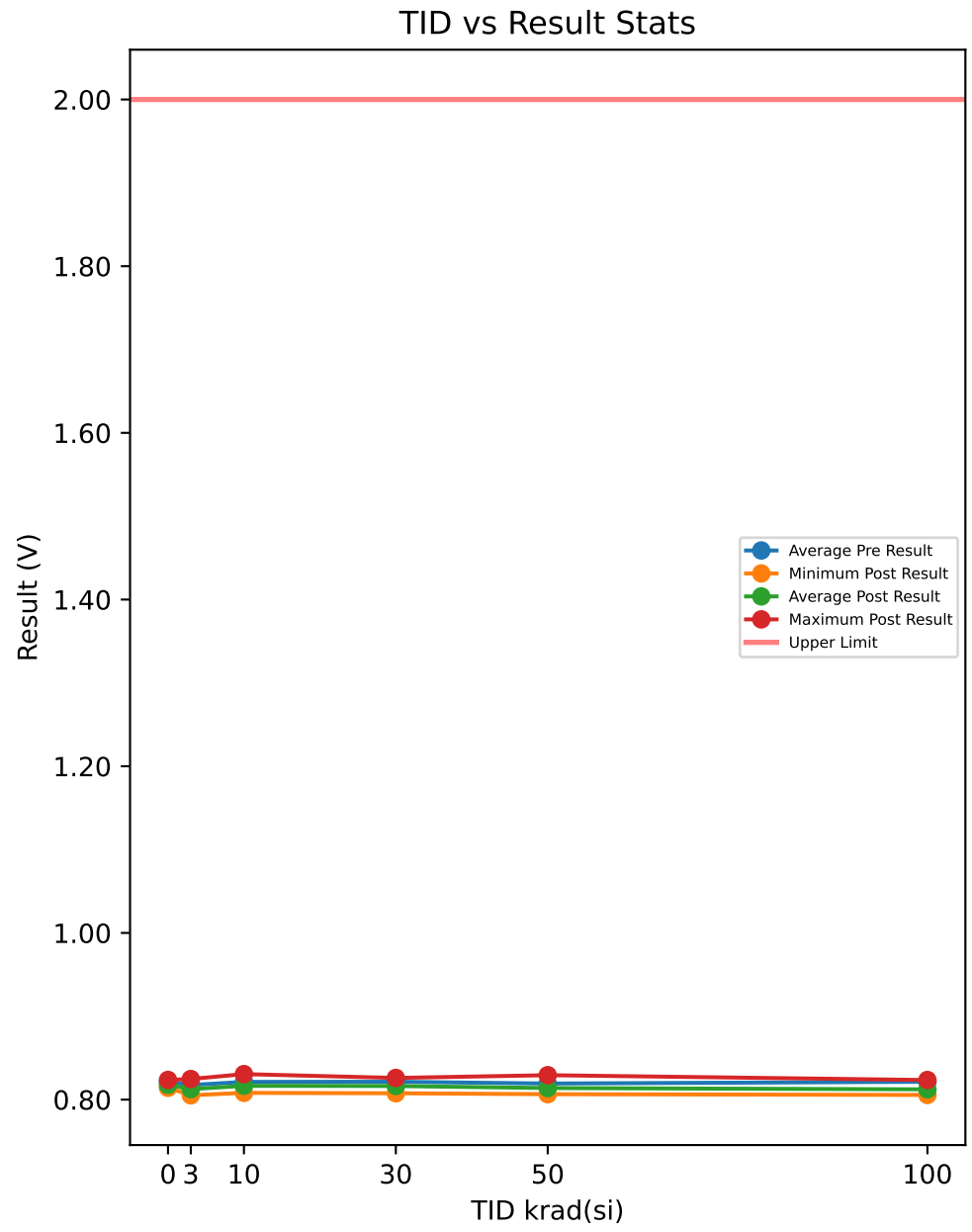
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.8222	0.8164	-0.0058
2	3	Biased	0.8278	0.8226	-0.0052
3	3	Biased	0.8156	0.8103	-0.0053
4	3	Biased	0.8143	0.8092	-0.0051
5	3	Biased	0.8162	0.8113	-0.0049
6	3	Unbiased	0.8184	0.814	-0.0044
7	3	Unbiased	0.818	0.8138	-0.0042
8	3	Unbiased	0.809	0.8043	-0.0047
9	3	Unbiased	0.8091	0.8047	-0.0044
10	3	Unbiased	0.8145	0.8104	-0.0041
11	10	Biased	0.8093	0.8045	-0.0048
12	10	Biased	0.8349	0.83	-0.0049
13	10	Biased	0.8179	0.8129	-0.005
14	10	Biased	0.8146	0.8097	-0.0049
15	10	Biased	0.8166	0.812	-0.0046
16	10	Unbiased	0.8128	0.8084	-0.0044
17	10	Unbiased	0.8174	0.8131	-0.0043
18	10	Unbiased	0.8301	0.8256	-0.0045
19	10	Unbiased	0.8129	0.8084	-0.0045
20	10	Unbiased	0.8327	0.8285	-0.0042
21	30	Biased	0.8206	0.8151	-0.0055
22	30	Biased	0.8187	0.8134	-0.0053
23	30	Biased	0.826	0.8209	-0.0051
24	30	Biased	0.8141	0.8091	-0.005
25	30	Biased	0.8141	0.809	-0.0051
26	30	Unbiased	0.8249	0.8197	-0.0052
27	30	Unbiased	0.8125	0.8072	-0.0053
28	30	Unbiased	0.8243	0.8189	-0.0054
29	30	Unbiased	0.8188	0.8138	-0.005
30	30	Unbiased	0.8202	0.8155	-0.0047
31	50	Biased	0.8178	0.8123	-0.0055
32	50	Biased	0.8187	0.8134	-0.0053
33	50	Biased	0.8143	0.8087	-0.0056
34	50	Biased	0.8099	0.8043	-0.0056
35	50	Biased	0.8335	0.8282	-0.0053
36	50	Unbiased	0.8277	0.8222	-0.0055
37	50	Unbiased	0.8127	0.8074	-0.0053
38	50	Unbiased	0.8104	0.8049	-0.0055
39	50	Unbiased	0.8164	0.8107	-0.0057
40	50	Unbiased	0.8169	0.8111	-0.0058
41	100	Biased	0.8293	0.8209	-0.0084
42	100	Biased	0.8127	0.8037	-0.009
43	100	Biased	0.8283	0.8187	-0.0096
44	100	Biased	0.817	0.8075	-0.0095
45	100	Biased	0.8165	0.8072	-0.0093
46	100	Unbiased	0.8214	0.8121	-0.0093
47	100	Unbiased	0.8226	0.8137	-0.0089
48	100	Unbiased	0.8137	0.8048	-0.0089
49	100	Unbiased	0.8173	0.808	-0.0093
50	100	Unbiased	0.8159	0.8066	-0.0093
51	0	Correlation	0.8163	0.8124	-0.0039
53	0	Correlation	0.8227	0.8191	-0.0036
54	0	Correlation	0.8151	0.8114	-0.0037
55	0	Correlation	0.823	0.8192	-0.0038
56	0	Correlation	0.816	0.8117	-0.0043

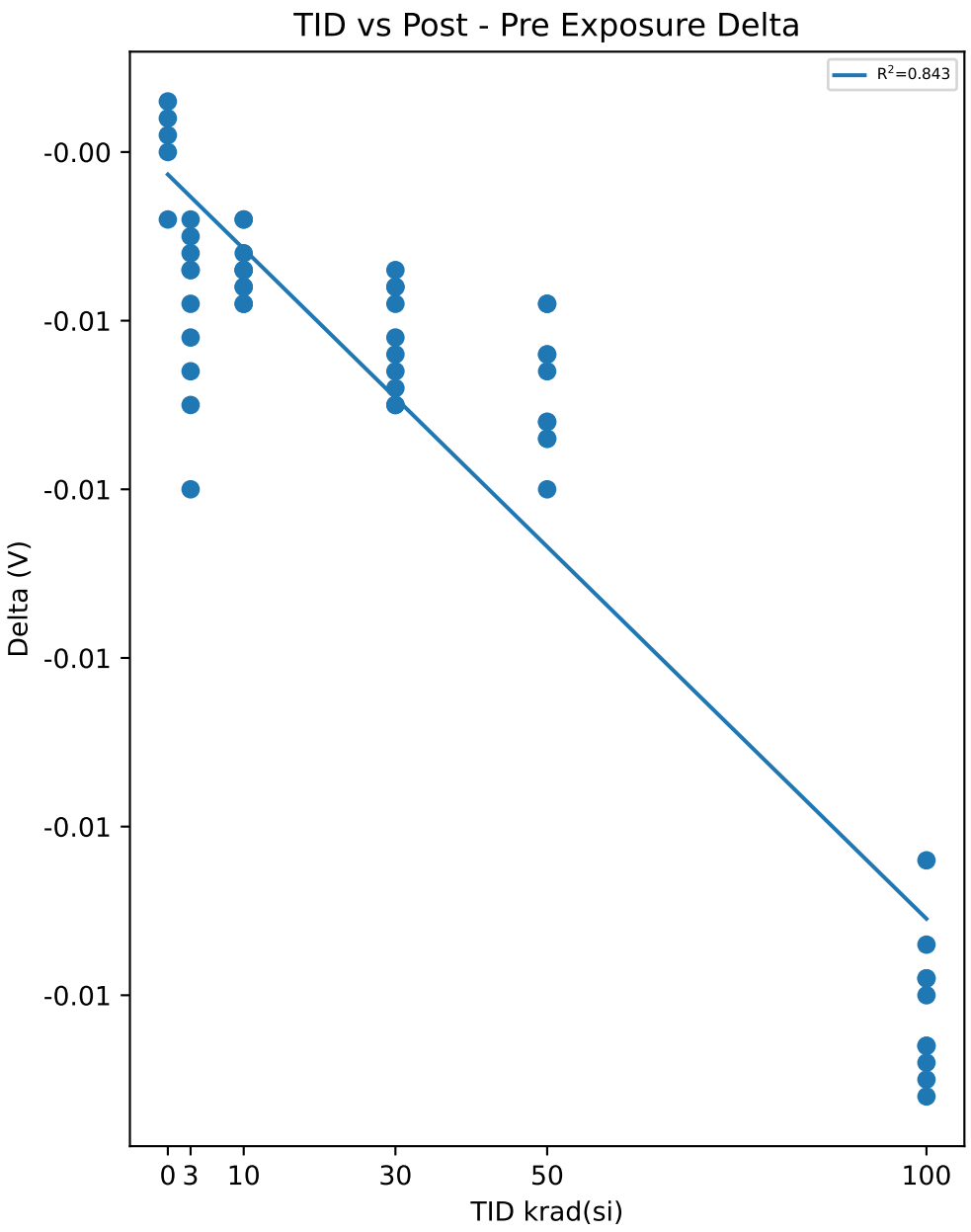


Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.8151	0.81862	0.823	0.0038881	0.8114	0.81476	0.8192	0.0040241	-0.0043	-0.00386	-0.0036	0.00027019
3	0.809	0.81651	0.8278	0.0056449	0.8043	0.8117	0.8226	0.0054203	-0.0058	-0.00481	-0.0041	0.00054661
10	0.8093	0.81992	0.8349	0.0091523	0.8045	0.81531	0.83	0.0091962	-0.005	-0.00461	-0.0042	0.00027669
30	0.8125	0.81942	0.826	0.0047672	0.8072	0.81426	0.8209	0.0047439	-0.0055	-0.00516	-0.0047	0.0002319
50	0.8099	0.81783	0.8335	0.0074796	0.8043	0.81232	0.8282	0.0075407	-0.0058	-0.00551	-0.0053	0.00017288
100	0.8127	0.81947	0.8293	0.0057699	0.8037	0.81032	0.8209	0.0058496	-0.0096	-0.00915	-0.0084	0.00035355

Device Test: 6.101; VOL_RESET_10MA_OD





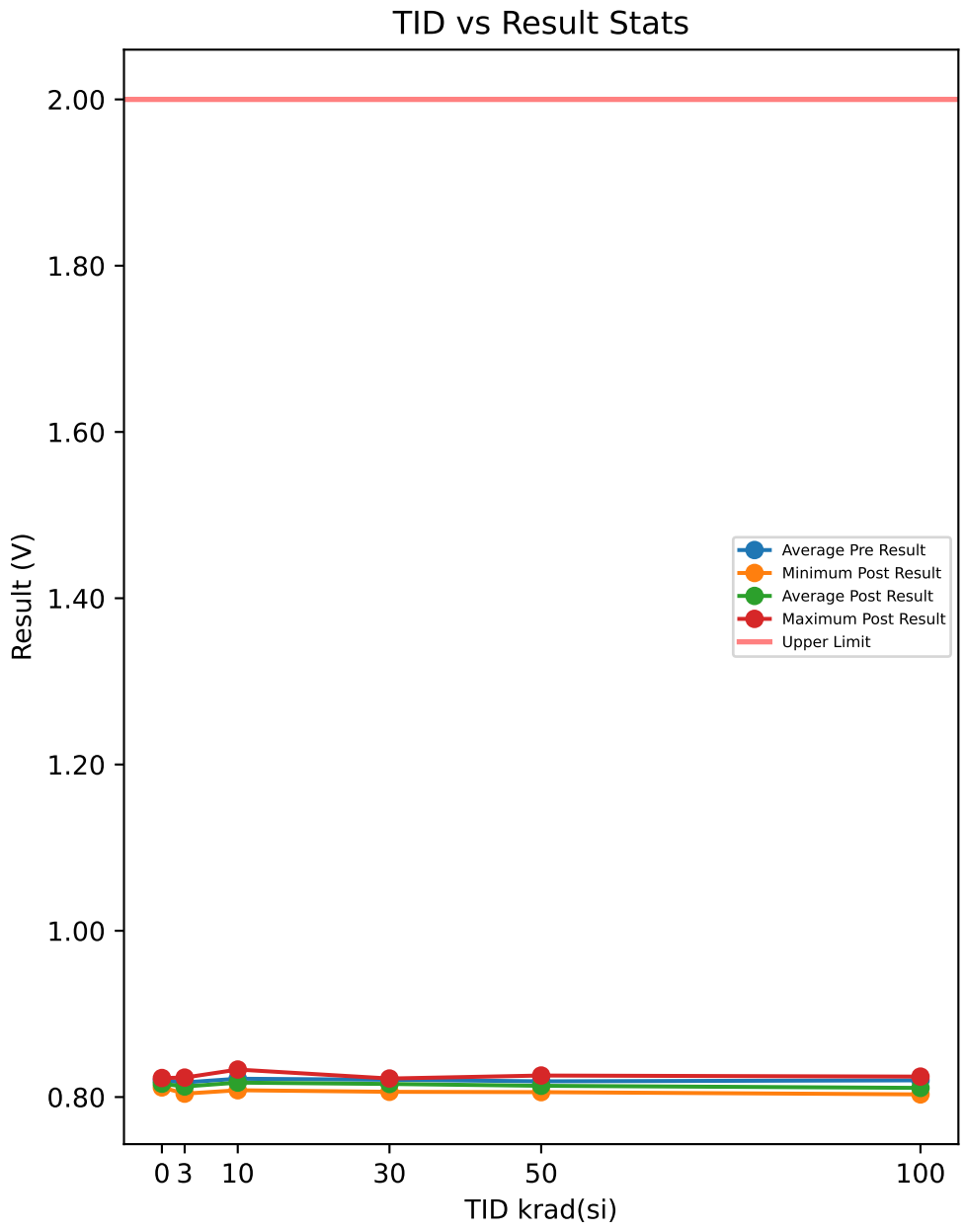
Test Results (Upper Limit = 2.0 (V))

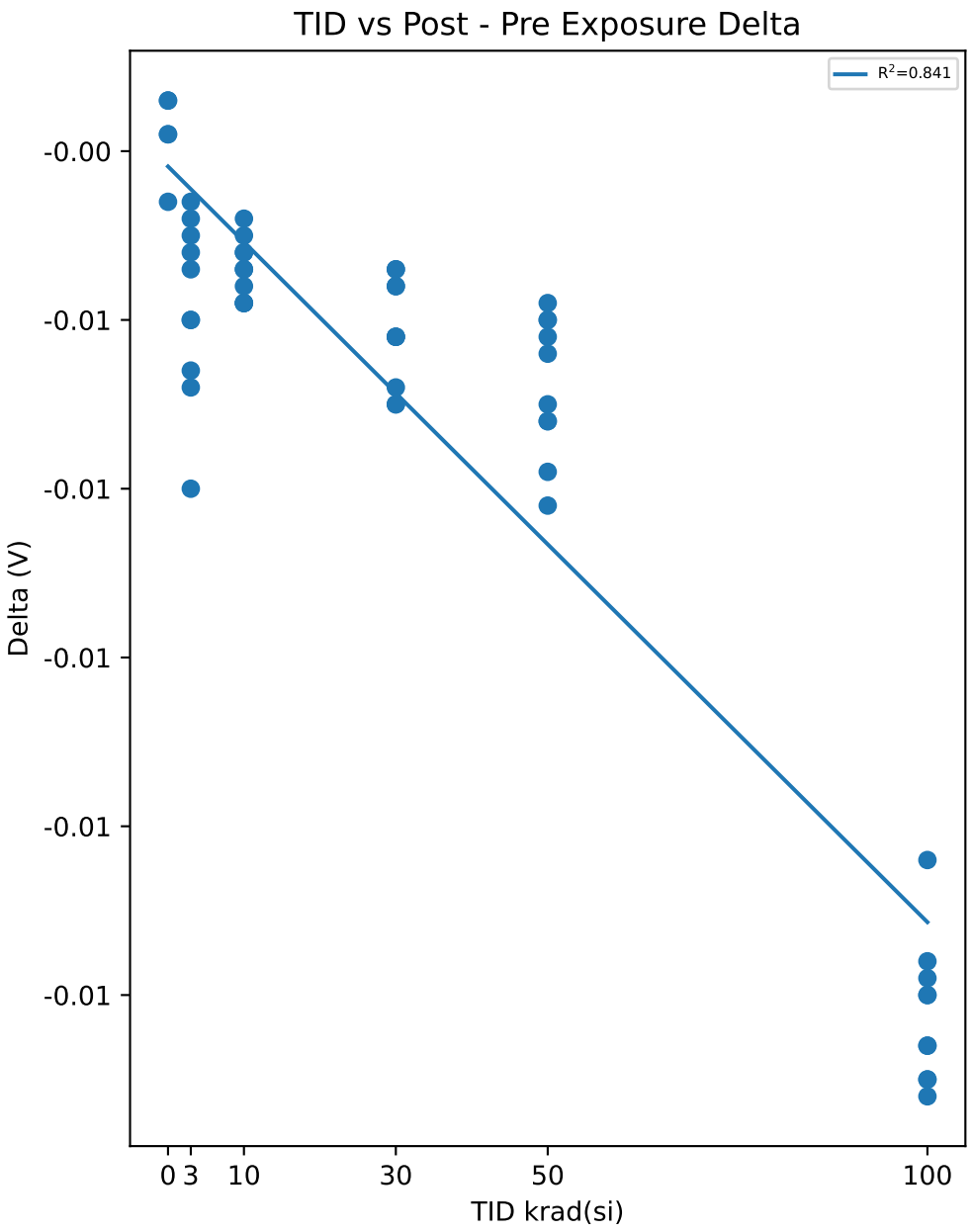
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.8243	0.8183	-0.006
2	3	Biased	0.83	0.8247	-0.0053
3	3	Biased	0.8145	0.809	-0.0055
4	3	Biased	0.8134	0.8083	-0.0051
5	3	Biased	0.8175	0.8126	-0.0049
6	3	Unbiased	0.8204	0.8157	-0.0047
7	3	Unbiased	0.8187	0.8142	-0.0045
8	3	Unbiased	0.8099	0.8052	-0.0047
9	3	Unbiased	0.8115	0.8069	-0.0046
10	3	Unbiased	0.8151	0.8107	-0.0044
11	10	Biased	0.8129	0.8081	-0.0048
12	10	Biased	0.833	0.8281	-0.0049
13	10	Biased	0.8189	0.8141	-0.0048
14	10	Biased	0.8172	0.8123	-0.0049
15	10	Biased	0.8189	0.8142	-0.0047
16	10	Unbiased	0.8141	0.8095	-0.0046
17	10	Unbiased	0.8188	0.8144	-0.0044
18	10	Unbiased	0.8306	0.8259	-0.0047
19	10	Unbiased	0.8128	0.8081	-0.0047
20	10	Unbiased	0.835	0.8306	-0.0044
21	30	Biased	0.8216	0.8164	-0.0052
22	30	Biased	0.8199	0.8148	-0.0051
23	30	Biased	0.8309	0.826	-0.0049
24	30	Biased	0.8163	0.8116	-0.0047
25	30	Biased	0.8176	0.8128	-0.0048
26	30	Unbiased	0.8271	0.8217	-0.0054
27	30	Unbiased	0.8131	0.8076	-0.0055
28	30	Unbiased	0.828	0.8225	-0.0055
29	30	Unbiased	0.8206	0.8153	-0.0053
30	30	Unbiased	0.8192	0.8144	-0.0048
31	50	Biased	0.8171	0.8122	-0.0049
32	50	Biased	0.8191	0.8142	-0.0049
33	50	Biased	0.8166	0.8114	-0.0052
34	50	Biased	0.8121	0.8068	-0.0053
35	50	Biased	0.8345	0.8293	-0.0052
36	50	Unbiased	0.8302	0.8246	-0.0056
37	50	Unbiased	0.8148	0.8091	-0.0057
38	50	Unbiased	0.8121	0.8065	-0.0056
39	50	Unbiased	0.8185	0.8128	-0.0057
40	50	Unbiased	0.8177	0.8117	-0.006
41	100	Biased	0.8317	0.8235	-0.0082
42	100	Biased	0.8143	0.8056	-0.0087
43	100	Biased	0.8262	0.8166	-0.0096
44	100	Biased	0.8209	0.8116	-0.0093
45	100	Biased	0.8195	0.8105	-0.009
46	100	Unbiased	0.8225	0.8131	-0.0094
47	100	Unbiased	0.8243	0.8154	-0.0089
48	100	Unbiased	0.8161	0.8072	-0.0089
49	100	Unbiased	0.8181	0.8088	-0.0093
50	100	Unbiased	0.8203	0.8108	-0.0095
51	0	Correlation	0.8184	0.8144	-0.004
53	0	Correlation	0.8252	0.8215	-0.0037
54	0	Correlation	0.818	0.8142	-0.0038
55	0	Correlation	0.8275	0.8236	-0.0039
56	0	Correlation	0.8189	0.8145	-0.0044

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	0.818	0.8216	0.8275	0.0044232	0.8142	0.81764	0.8236	0.0045446	-0.0044	-0.00396	-0.0037	0.00027019
3	0.8099	0.81753	0.83	0.0061252	0.8052	0.81256	0.8247	0.0059007	-0.006	-0.00497	-0.0044	0.00050563
10	0.8128	0.82122	0.835	0.0084343	0.8081	0.81653	0.8306	0.0084652	-0.0049	-0.00469	-0.0044	0.0001792
30	0.8131	0.82143	0.8309	0.0056115	0.8076	0.81631	0.826	0.0055637	-0.0055	-0.00512	-0.0047	0.00030478
50	0.8121	0.81927	0.8345	0.0073722	0.8065	0.81386	0.8293	0.0074171	-0.006	-0.00541	-0.0049	0.00036652
100	0.8143	0.82139	0.8317	0.0050904	0.8056	0.81231	0.8235	0.0051995	-0.0096	-0.00908	-0.0082	0.00042635

Device Test: 6.102; VOL_RESET_10MA_OD





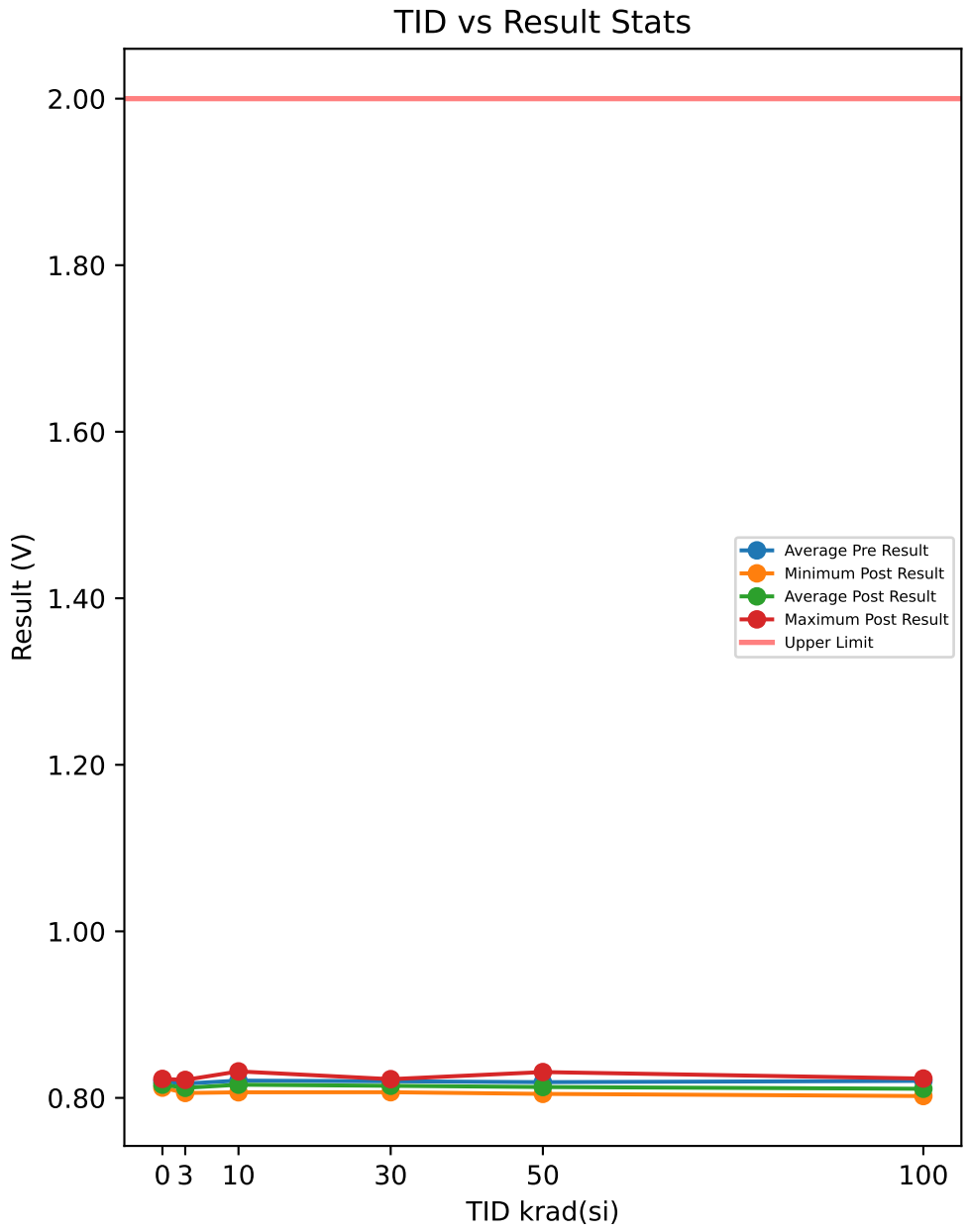
Test Results (Upper Limit = 2.0 (V))

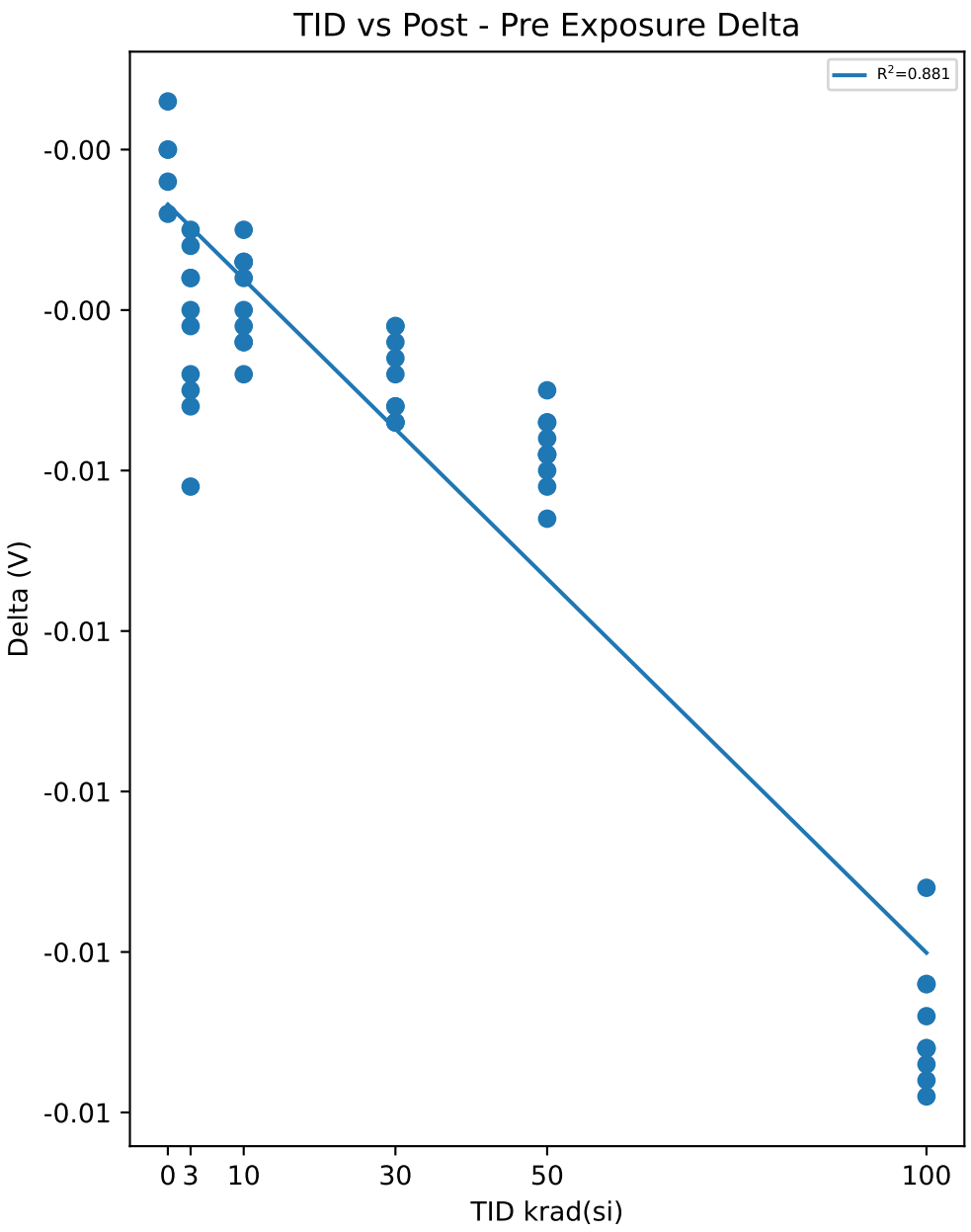
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.8245	0.8185	-0.006
2	3	Biased	0.8287	0.8234	-0.0053
3	3	Biased	0.8145	0.8091	-0.0054
4	3	Biased	0.8148	0.8098	-0.005
5	3	Biased	0.8192	0.8142	-0.005
6	3	Unbiased	0.8204	0.8158	-0.0046
7	3	Unbiased	0.8177	0.8134	-0.0043
8	3	Unbiased	0.8088	0.8041	-0.0047
9	3	Unbiased	0.8121	0.8076	-0.0045
10	3	Unbiased	0.8154	0.811	-0.0044
11	10	Biased	0.813	0.8082	-0.0048
12	10	Biased	0.834	0.8291	-0.0049
13	10	Biased	0.8181	0.8132	-0.0049
14	10	Biased	0.8178	0.8129	-0.0049
15	10	Biased	0.8177	0.813	-0.0047
16	10	Unbiased	0.8131	0.8085	-0.0046
17	10	Unbiased	0.8206	0.8161	-0.0045
18	10	Unbiased	0.833	0.8283	-0.0047
19	10	Unbiased	0.8158	0.8112	-0.0046
20	10	Unbiased	0.8375	0.8331	-0.0044
21	30	Biased	0.8221	0.817	-0.0051
22	30	Biased	0.8231	0.818	-0.0051
23	30	Biased	0.827	0.8223	-0.0047
24	30	Biased	0.8156	0.8109	-0.0047
25	30	Biased	0.8156	0.8108	-0.0048
26	30	Unbiased	0.8277	0.8223	-0.0054
27	30	Unbiased	0.8118	0.8063	-0.0055
28	30	Unbiased	0.827	0.8215	-0.0055
29	30	Unbiased	0.8194	0.8143	-0.0051
30	30	Unbiased	0.8188	0.814	-0.0048
31	50	Biased	0.8194	0.8144	-0.005
32	50	Biased	0.82	0.8151	-0.0049
33	50	Biased	0.8161	0.811	-0.0051
34	50	Biased	0.8121	0.8069	-0.0052
35	50	Biased	0.8309	0.8259	-0.005
36	50	Unbiased	0.8294	0.8239	-0.0055
37	50	Unbiased	0.8144	0.8088	-0.0056
38	50	Unbiased	0.8115	0.8059	-0.0056
39	50	Unbiased	0.8184	0.8125	-0.0059
40	50	Unbiased	0.8172	0.8111	-0.0061
41	100	Biased	0.8328	0.8246	-0.0082
42	100	Biased	0.812	0.8032	-0.0088
43	100	Biased	0.8281	0.8186	-0.0095
44	100	Biased	0.817	0.8077	-0.0093
45	100	Biased	0.8181	0.8091	-0.009
46	100	Unbiased	0.8199	0.8104	-0.0095
47	100	Unbiased	0.8227	0.8138	-0.0089
48	100	Unbiased	0.8136	0.8046	-0.009
49	100	Unbiased	0.821	0.8117	-0.0093
50	100	Unbiased	0.816	0.8064	-0.0096
51	0	Correlation	0.8155	0.8116	-0.0039
53	0	Correlation	0.8235	0.8198	-0.0037
54	0	Correlation	0.8172	0.8135	-0.0037
55	0	Correlation	0.8268	0.8229	-0.0039
56	0	Correlation	0.8168	0.8125	-0.0043

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.8155	0.81996	0.8268	0.0049197	0.8116	0.81606	0.8229	0.0049973	-0.0043	-0.0039	-0.0037	0.00024495
3	0.8088	0.81761	0.8287	0.0058804	0.8041	0.81269	0.8234	0.0056244	-0.006	-0.00492	-0.0043	0.00053083
10	0.813	0.82206	0.8375	0.0091722	0.8082	0.81736	0.8331	0.0092099	-0.0049	-0.0047	-0.0044	0.00017638
30	0.8118	0.82081	0.8277	0.0055026	0.8063	0.81574	0.8223	0.0054567	-0.0055	-0.00507	-0.0047	0.0003164
50	0.8115	0.81894	0.8309	0.0065653	0.8059	0.81355	0.8259	0.0066807	-0.0061	-0.00539	-0.0049	0.00041218
100	0.812	0.82012	0.8328	0.006422	0.8032	0.81101	0.8246	0.0065733	-0.0096	-0.00911	-0.0082	0.00042282

Device Test: 6.103; VOL_RESET_10MA_OD





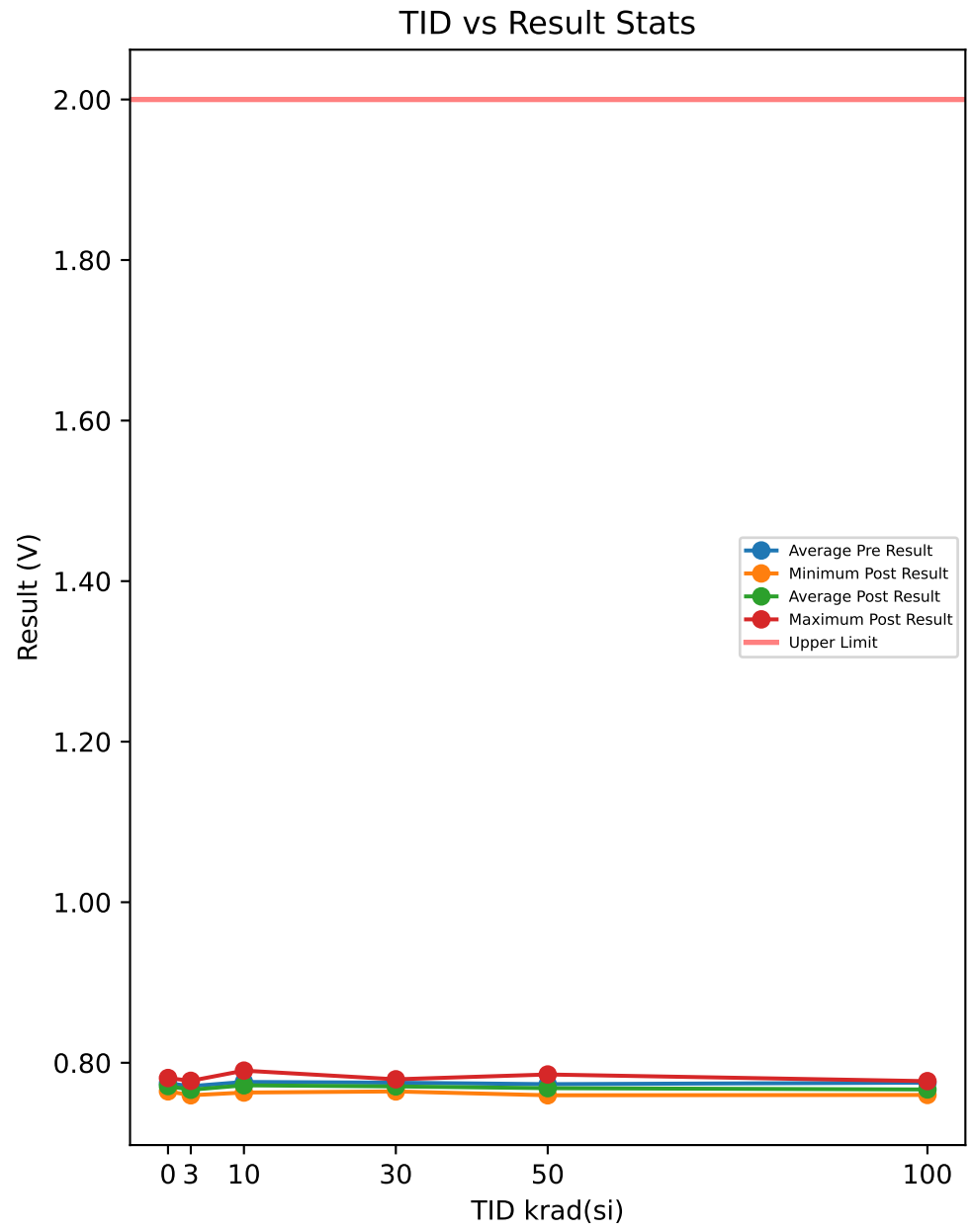
Test Results (Upper Limit = 2.0 (V))

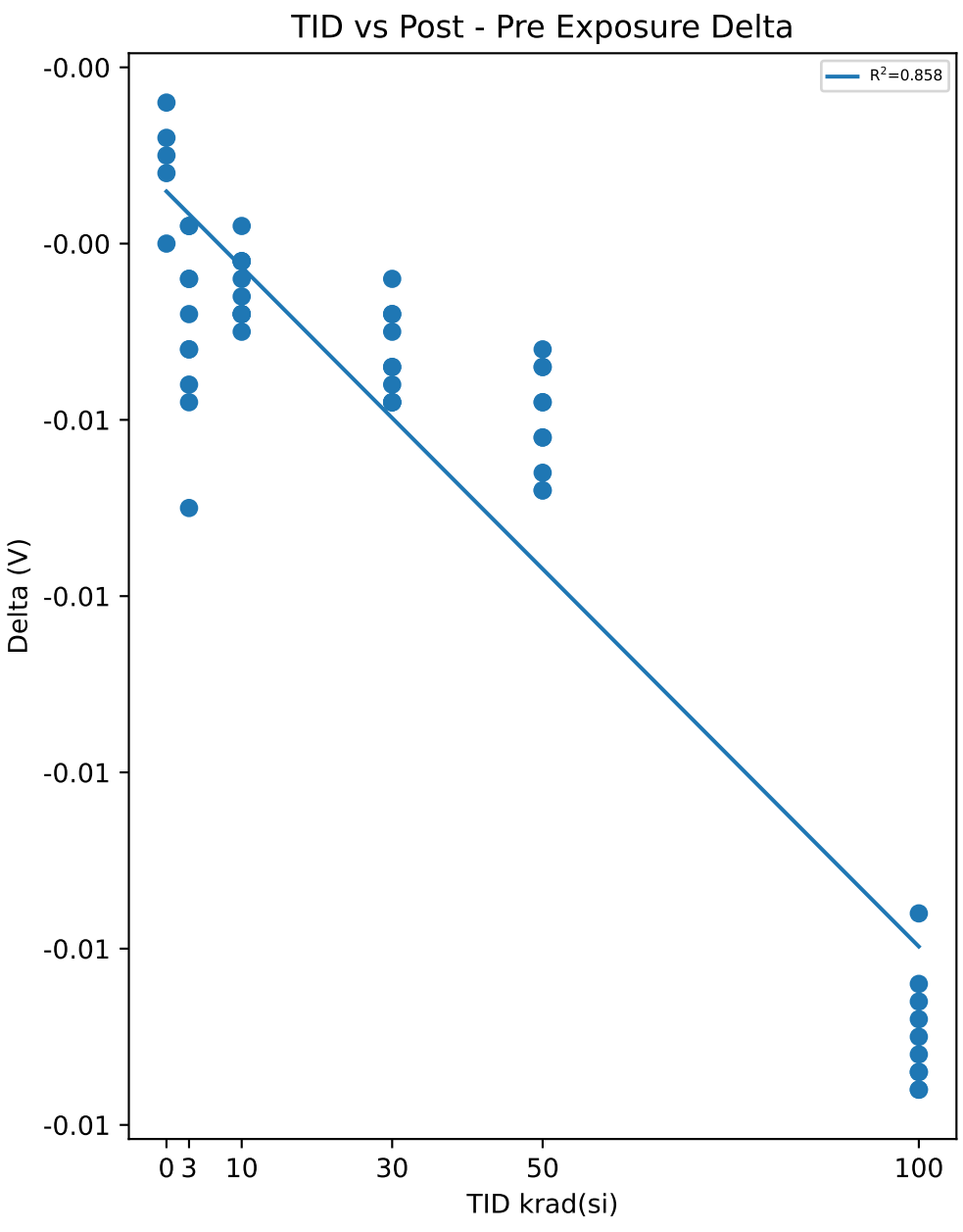
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.8243	0.8182	-0.0061
2	3	Biased	0.8271	0.8216	-0.0055
3	3	Biased	0.8149	0.8093	-0.0056
4	3	Biased	0.8141	0.8087	-0.0054
5	3	Biased	0.8187	0.8136	-0.0051
6	3	Unbiased	0.8202	0.8154	-0.0048
7	3	Unbiased	0.8154	0.8108	-0.0046
8	3	Unbiased	0.8109	0.8059	-0.005
9	3	Unbiased	0.8125	0.8077	-0.0048
10	3	Unbiased	0.8136	0.8091	-0.0045
11	10	Biased	0.8119	0.8067	-0.0052
12	10	Biased	0.8335	0.8284	-0.0051
13	10	Biased	0.8175	0.8123	-0.0052
14	10	Biased	0.8159	0.8105	-0.0054
15	10	Biased	0.8151	0.8101	-0.005
16	10	Unbiased	0.8132	0.8085	-0.0047
17	10	Unbiased	0.8191	0.8144	-0.0047
18	10	Unbiased	0.8311	0.8263	-0.0048
19	10	Unbiased	0.8139	0.8092	-0.0047
20	10	Unbiased	0.8363	0.8318	-0.0045
21	30	Biased	0.8186	0.8129	-0.0057
22	30	Biased	0.8212	0.8156	-0.0056
23	30	Biased	0.8266	0.8212	-0.0054
24	30	Biased	0.8119	0.8068	-0.0051
25	30	Biased	0.8163	0.811	-0.0053
26	30	Unbiased	0.826	0.8204	-0.0056
27	30	Unbiased	0.8129	0.8072	-0.0057
28	30	Unbiased	0.8282	0.8225	-0.0057
29	30	Unbiased	0.8197	0.8145	-0.0052
30	30	Unbiased	0.8181	0.813	-0.0051
31	50	Biased	0.8162	0.8105	-0.0057
32	50	Biased	0.8207	0.815	-0.0057
33	50	Biased	0.8136	0.8077	-0.0059
34	50	Biased	0.8106	0.8048	-0.0058
35	50	Biased	0.8365	0.831	-0.0055
36	50	Unbiased	0.8312	0.8253	-0.0059
37	50	Unbiased	0.8137	0.8077	-0.006
38	50	Unbiased	0.8118	0.8059	-0.0059
39	50	Unbiased	0.8196	0.8135	-0.0061
40	50	Unbiased	0.8151	0.8088	-0.0063
41	100	Biased	0.8318	0.8232	-0.0086
42	100	Biased	0.8116	0.8022	-0.0094
43	100	Biased	0.8275	0.8176	-0.0099
44	100	Biased	0.8196	0.8098	-0.0098
45	100	Biased	0.8205	0.8109	-0.0096
46	100	Unbiased	0.8197	0.8101	-0.0096
47	100	Unbiased	0.8234	0.8142	-0.0092
48	100	Unbiased	0.8124	0.8032	-0.0092
49	100	Unbiased	0.8191	0.8094	-0.0097
50	100	Unbiased	0.8184	0.8088	-0.0096
51	0	Correlation	0.8169	0.8127	-0.0042
53	0	Correlation	0.8221	0.8184	-0.0037
54	0	Correlation	0.8169	0.8129	-0.004
55	0	Correlation	0.8268	0.8228	-0.004
56	0	Correlation	0.8167	0.8123	-0.0044

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	0.8167	0.81988	0.8268	0.0044913	0.8123	0.81582	0.8228	0.0046376	-0.0044	-0.00406	-0.0037	0.00026077
3	0.8109	0.81717	0.8271	0.0052972	0.8059	0.81203	0.8216	0.0050381	-0.0061	-0.00514	-0.0045	0.00050376
10	0.8119	0.82075	0.8363	0.0092043	0.8067	0.81582	0.8318	0.0093062	-0.0054	-0.00493	-0.0045	0.00029078
30	0.8119	0.81995	0.8282	0.0056133	0.8068	0.81451	0.8225	0.0055232	-0.0057	-0.00544	-0.0051	0.00025033
50	0.8106	0.8189	0.8365	0.0085696	0.8048	0.81302	0.831	0.0086747	-0.0063	-0.00588	-0.0055	0.00022509
100	0.8116	0.8204	0.8318	0.006125	0.8022	0.81094	0.8232	0.0062409	-0.0099	-0.00946	-0.0086	0.00038064

Device Test: 6.104; VOL_WDO_10MA_OD





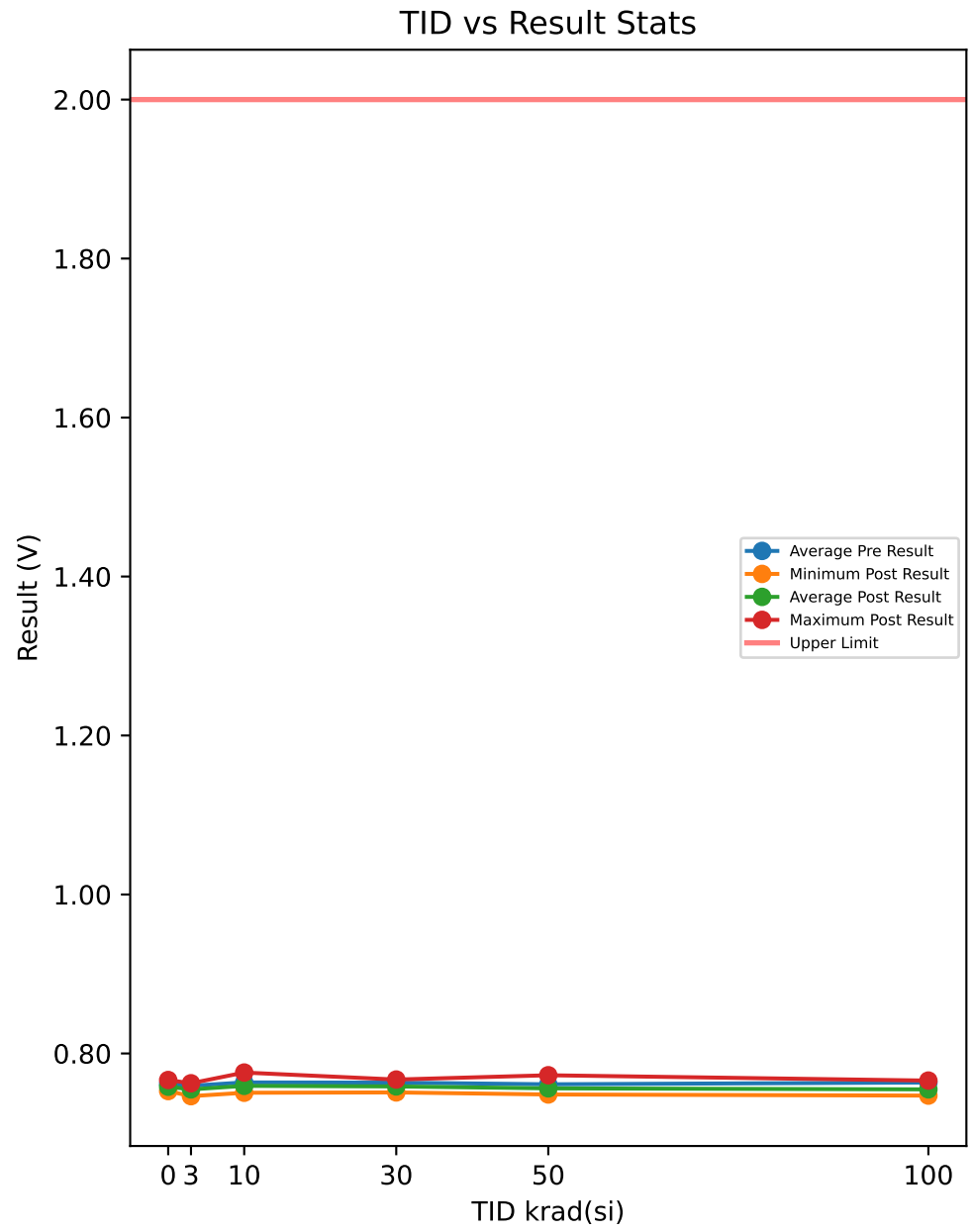
Test Results (Upper Limit = 2.0 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7767	0.7712	-0.0055
2	3	Biased	0.7823	0.7775	-0.0048
3	3	Biased	0.7665	0.7616	-0.0049
4	3	Biased	0.7675	0.7629	-0.0046
5	3	Biased	0.7737	0.7691	-0.0046
6	3	Unbiased	0.7716	0.7674	-0.0042
7	3	Unbiased	0.7714	0.7675	-0.0039
8	3	Unbiased	0.764	0.7596	-0.0044
9	3	Unbiased	0.7637	0.7595	-0.0042
10	3	Unbiased	0.7711	0.7672	-0.0039
11	10	Biased	0.7674	0.7631	-0.0043
12	10	Biased	0.791	0.7866	-0.0044
13	10	Biased	0.7722	0.7677	-0.0045
14	10	Biased	0.77	0.7656	-0.0044
15	10	Biased	0.77	0.7658	-0.0042
16	10	Unbiased	0.7688	0.7647	-0.0041
17	10	Unbiased	0.7731	0.7692	-0.0039
18	10	Unbiased	0.7875	0.7831	-0.0044
19	10	Unbiased	0.767	0.7629	-0.0041
20	10	Unbiased	0.7943	0.7902	-0.0041
21	30	Biased	0.7747	0.77	-0.0047
22	30	Biased	0.7754	0.7707	-0.0047
23	30	Biased	0.7804	0.776	-0.0044
24	30	Biased	0.7704	0.7662	-0.0042
25	30	Biased	0.7702	0.7657	-0.0045
26	30	Unbiased	0.7839	0.779	-0.0049
27	30	Unbiased	0.7692	0.7643	-0.0049
28	30	Unbiased	0.7843	0.7794	-0.0049
29	30	Unbiased	0.7732	0.7684	-0.0048
30	30	Unbiased	0.77	0.7656	-0.0044
31	50	Biased	0.7684	0.7638	-0.0046
32	50	Biased	0.7715	0.7668	-0.0047
33	50	Biased	0.7676	0.7627	-0.0049
34	50	Biased	0.7644	0.7595	-0.0049
35	50	Biased	0.7901	0.7854	-0.0047
36	50	Unbiased	0.7894	0.7841	-0.0053
37	50	Unbiased	0.7671	0.762	-0.0051
38	50	Unbiased	0.767	0.7619	-0.0051
39	50	Unbiased	0.7758	0.7704	-0.0054
40	50	Unbiased	0.7723	0.7669	-0.0054
41	100	Biased	0.7821	0.7743	-0.0078
42	100	Biased	0.7689	0.7607	-0.0082
43	100	Biased	0.7859	0.7771	-0.0088
44	100	Biased	0.7704	0.7618	-0.0086
45	100	Biased	0.775	0.7666	-0.0084
46	100	Unbiased	0.7769	0.7681	-0.0088
47	100	Unbiased	0.7811	0.7726	-0.0085
48	100	Unbiased	0.7682	0.7599	-0.0083
49	100	Unbiased	0.7722	0.7635	-0.0087
50	100	Unbiased	0.7713	0.7626	-0.0087
51	0	Correlation	0.768	0.7644	-0.0036
53	0	Correlation	0.778	0.7748	-0.0032
54	0	Correlation	0.772	0.7686	-0.0034
55	0	Correlation	0.7845	0.781	-0.0035
56	0	Correlation	0.7699	0.7659	-0.004

Test Statistics (V)

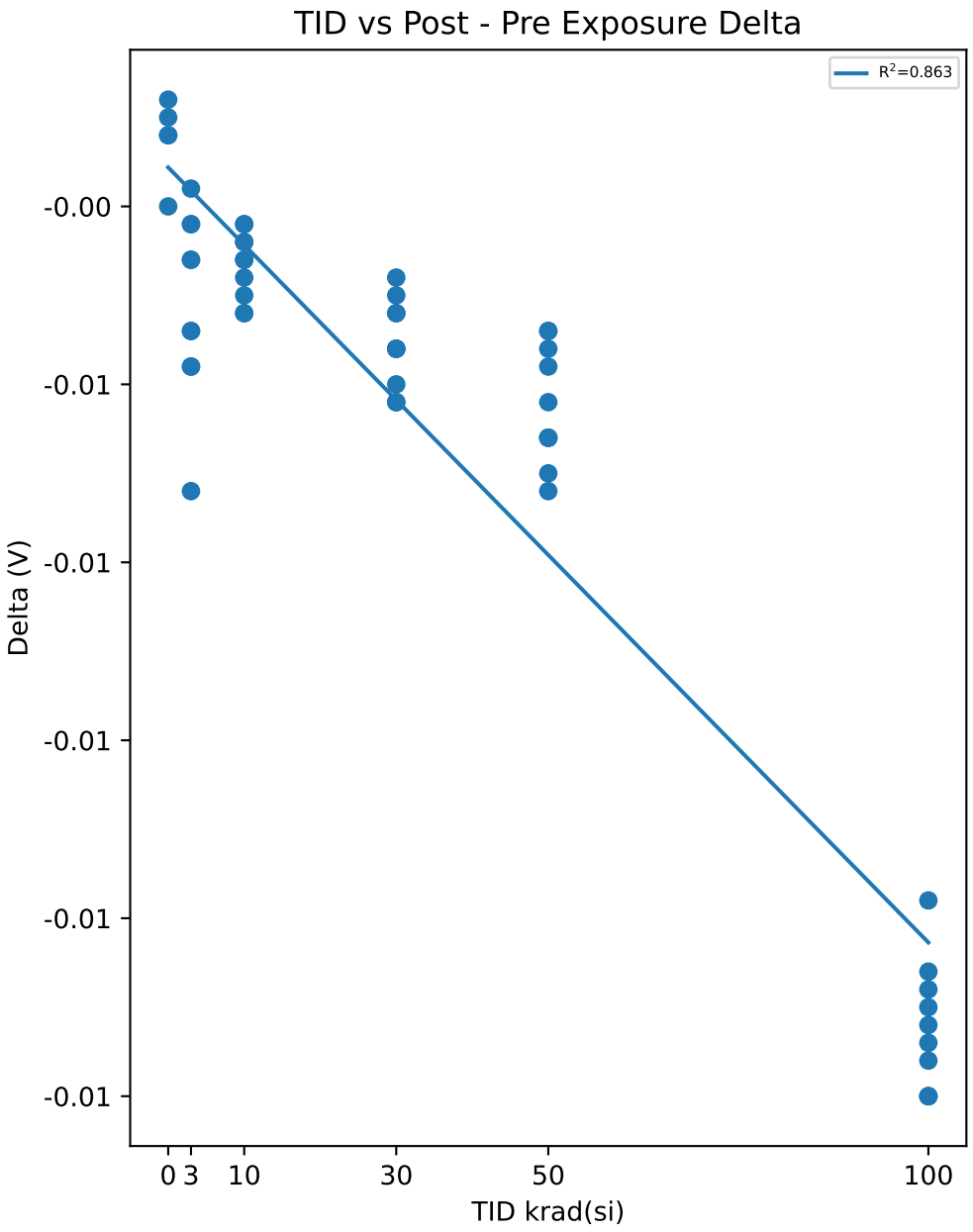
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.768	0.77448	0.7845	0.0067437	0.7644	0.77094	0.781	0.0068875	-0.004	-0.00354	-0.0032	0.00029665
3	0.7637	0.77085	0.7823	0.0057981	0.7595	0.76635	0.7775	0.0056323	-0.0055	-0.0045	-0.0039	0.00049216
10	0.767	0.77613	0.7943	0.010507	0.7629	0.77189	0.7902	0.01048	-0.0045	-0.00424	-0.0039	0.00018974
30	0.7692	0.77517	0.7843	0.0057822	0.7643	0.77053	0.7794	0.0056802	-0.0049	-0.00464	-0.0042	0.00025033
50	0.7644	0.77336	0.7901	0.009224	0.7595	0.76835	0.7854	0.0091915	-0.0054	-0.00501	-0.0046	0.00029609
100	0.7682	0.7752	0.7859	0.0061081	0.7599	0.76672	0.7771	0.0061101	-0.0088	-0.00848	-0.0078	0.00031552

Device Test: 6.105; VOL_PWRGD_10MA_OD



Test Results (Upper Limit = 2.0 (V))

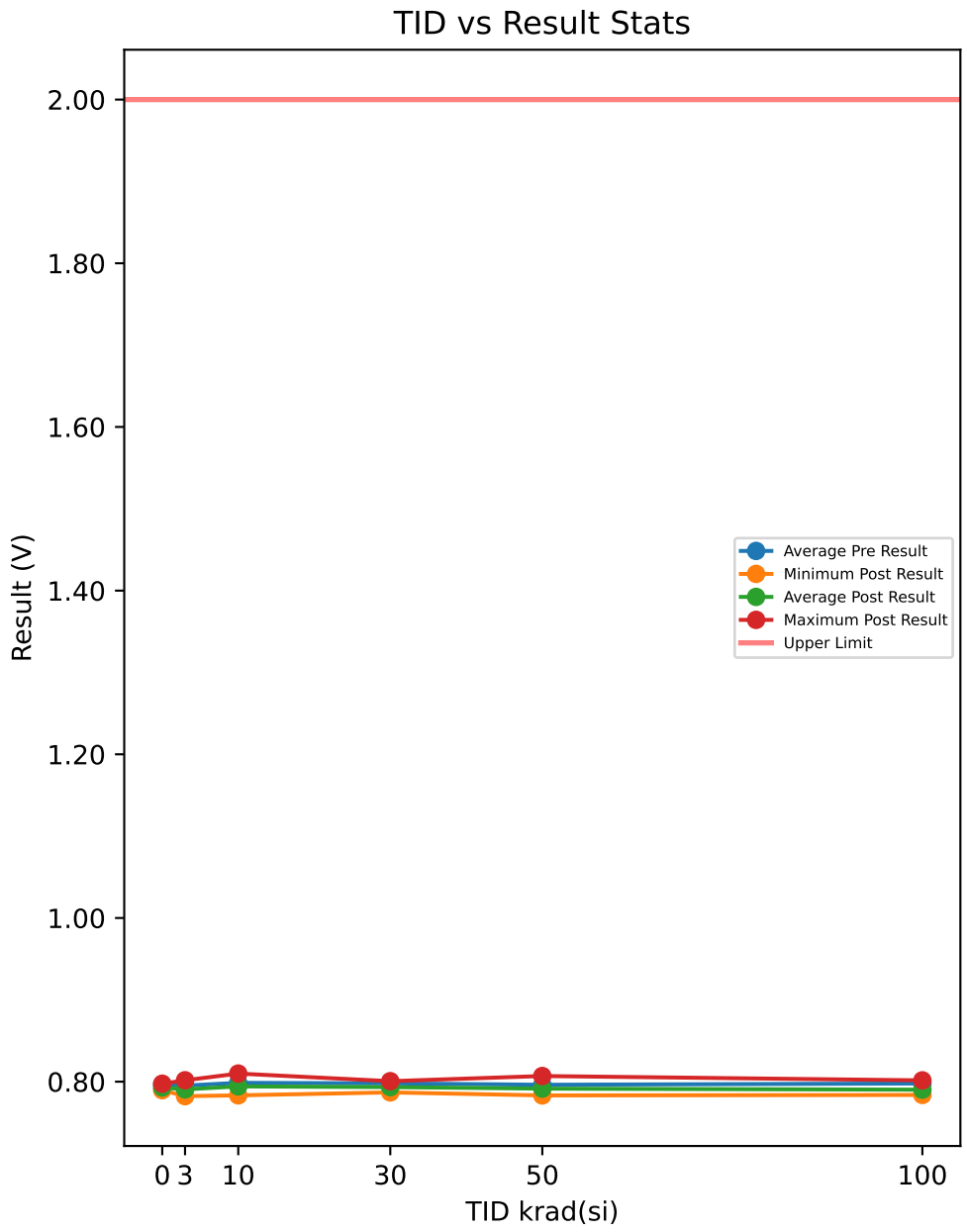
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7662	0.7606	-0.0056
2	3	Biased	0.7674	0.7625	-0.0049
3	3	Biased	0.7555	0.7506	-0.0049
4	3	Biased	0.757	0.7523	-0.0047
5	3	Biased	0.7616	0.7569	-0.0047
6	3	Unbiased	0.7613	0.757	-0.0043
7	3	Unbiased	0.7625	0.7584	-0.0041
8	3	Unbiased	0.7506	0.7463	-0.0043
9	3	Unbiased	0.7537	0.7496	-0.0041
10	3	Unbiased	0.7578	0.7539	-0.0039
11	10	Biased	0.7554	0.7509	-0.0045
12	10	Biased	0.7794	0.775	-0.0044
13	10	Biased	0.7599	0.7553	-0.0046
14	10	Biased	0.7582	0.7536	-0.0046
15	10	Biased	0.7563	0.752	-0.0043
16	10	Unbiased	0.7547	0.7506	-0.0041
17	10	Unbiased	0.7609	0.7567	-0.0042
18	10	Unbiased	0.7749	0.7707	-0.0042
19	10	Unbiased	0.756	0.7517	-0.0043
20	10	Unbiased	0.7801	0.776	-0.0041
21	30	Biased	0.7627	0.7579	-0.0048
22	30	Biased	0.7641	0.7593	-0.0048
23	30	Biased	0.766	0.7614	-0.0046
24	30	Biased	0.7584	0.7539	-0.0045
25	30	Biased	0.7598	0.7554	-0.0044
26	30	Unbiased	0.7716	0.7665	-0.0051
27	30	Unbiased	0.7561	0.751	-0.0051
28	30	Unbiased	0.7722	0.7672	-0.005
29	30	Unbiased	0.762	0.7572	-0.0048
30	30	Unbiased	0.7601	0.7555	-0.0046
31	50	Biased	0.7587	0.754	-0.0047
32	50	Biased	0.7608	0.7561	-0.0047
33	50	Biased	0.7583	0.7534	-0.0049
34	50	Biased	0.7535	0.7484	-0.0051
35	50	Biased	0.7774	0.7726	-0.0048
36	50	Unbiased	0.7739	0.7686	-0.0053
37	50	Unbiased	0.7549	0.7496	-0.0053
38	50	Unbiased	0.7539	0.7486	-0.0053
39	50	Unbiased	0.7617	0.7561	-0.0056
40	50	Unbiased	0.7592	0.7537	-0.0055
41	100	Biased	0.771	0.7631	-0.0079
42	100	Biased	0.7557	0.7474	-0.0083
43	100	Biased	0.7749	0.7659	-0.009
44	100	Biased	0.7593	0.7506	-0.0087
45	100	Biased	0.7637	0.7552	-0.0085
46	100	Unbiased	0.7638	0.7548	-0.009
47	100	Unbiased	0.7715	0.7629	-0.0086
48	100	Unbiased	0.7554	0.747	-0.0084
49	100	Unbiased	0.7602	0.7514	-0.0088
50	100	Unbiased	0.7591	0.7501	-0.009
51	0	Correlation	0.7563	0.7527	-0.0036
53	0	Correlation	0.7625	0.7591	-0.0034
54	0	Correlation	0.7605	0.757	-0.0035
55	0	Correlation	0.7702	0.7666	-0.0036
56	0	Correlation	0.7593	0.7553	-0.004



Test Statistics (V)

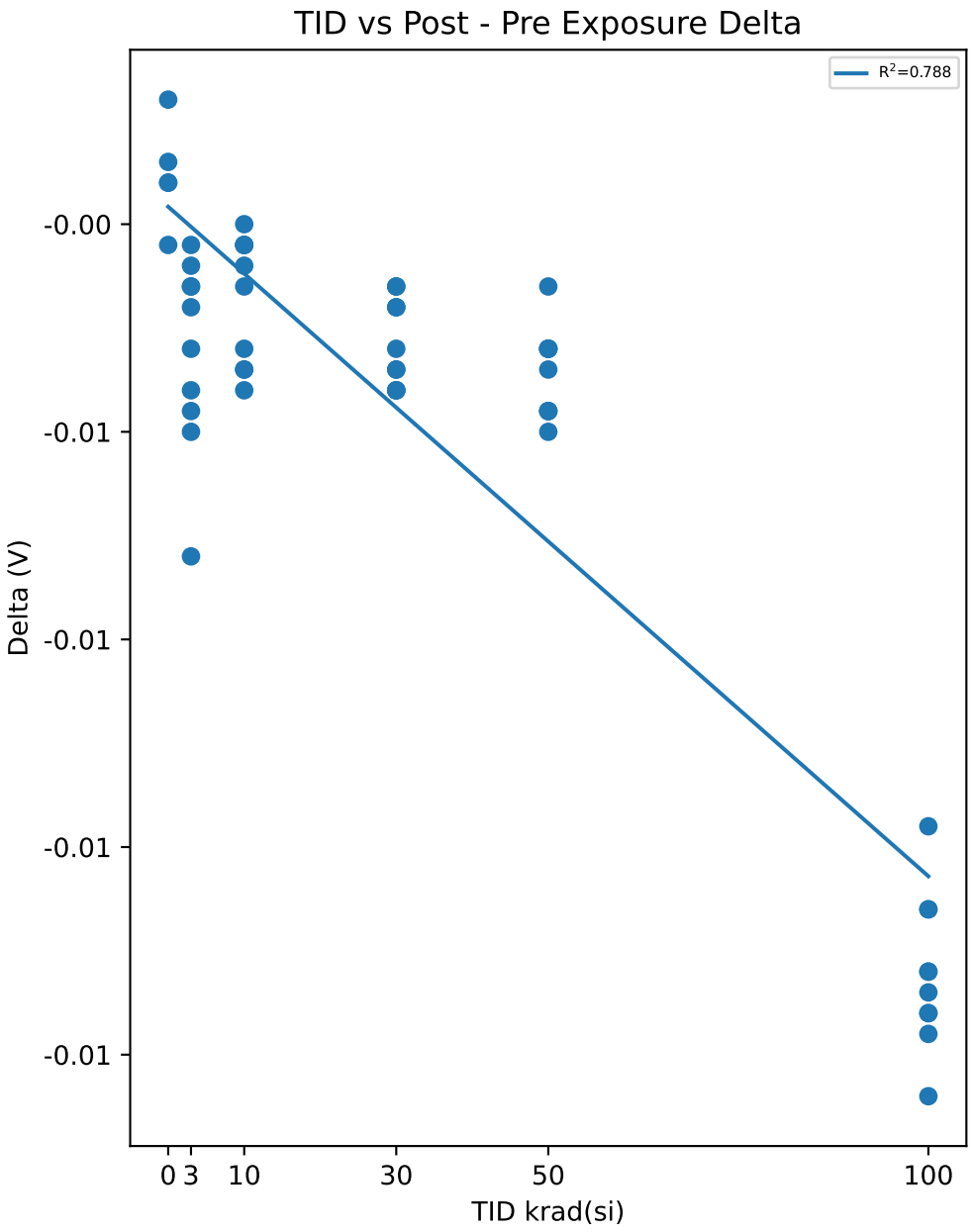
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7563	0.76176	0.7702	0.0052257	0.7527	0.75814	0.7666	0.0052785	-0.004	-0.00362	-0.0034	0.00022804
3	0.7506	0.75936	0.7674	0.0053928	0.7463	0.75481	0.7625	0.0051546	-0.0056	-0.00455	-0.0039	0.00051045
10	0.7547	0.76358	0.7801	0.010313	0.7506	0.75925	0.776	0.01037	-0.0046	-0.00433	-0.0041	0.00018886
30	0.7561	0.7633	0.7722	0.0053377	0.751	0.75853	0.7672	0.0052366	-0.0051	-0.00477	-0.0044	0.00024518
50	0.7535	0.76123	0.7774	0.0081313	0.7484	0.75611	0.7726	0.0081904	-0.0056	-0.00512	-0.0047	0.00032931
100	0.7554	0.76346	0.7749	0.0068691	0.747	0.75484	0.7659	0.0068698	-0.009	-0.00862	-0.0079	0.00035839

Device Test: 6.106; VOL_RESET_10MA_OD



Test Results (Upper Limit = 2.0 (V))

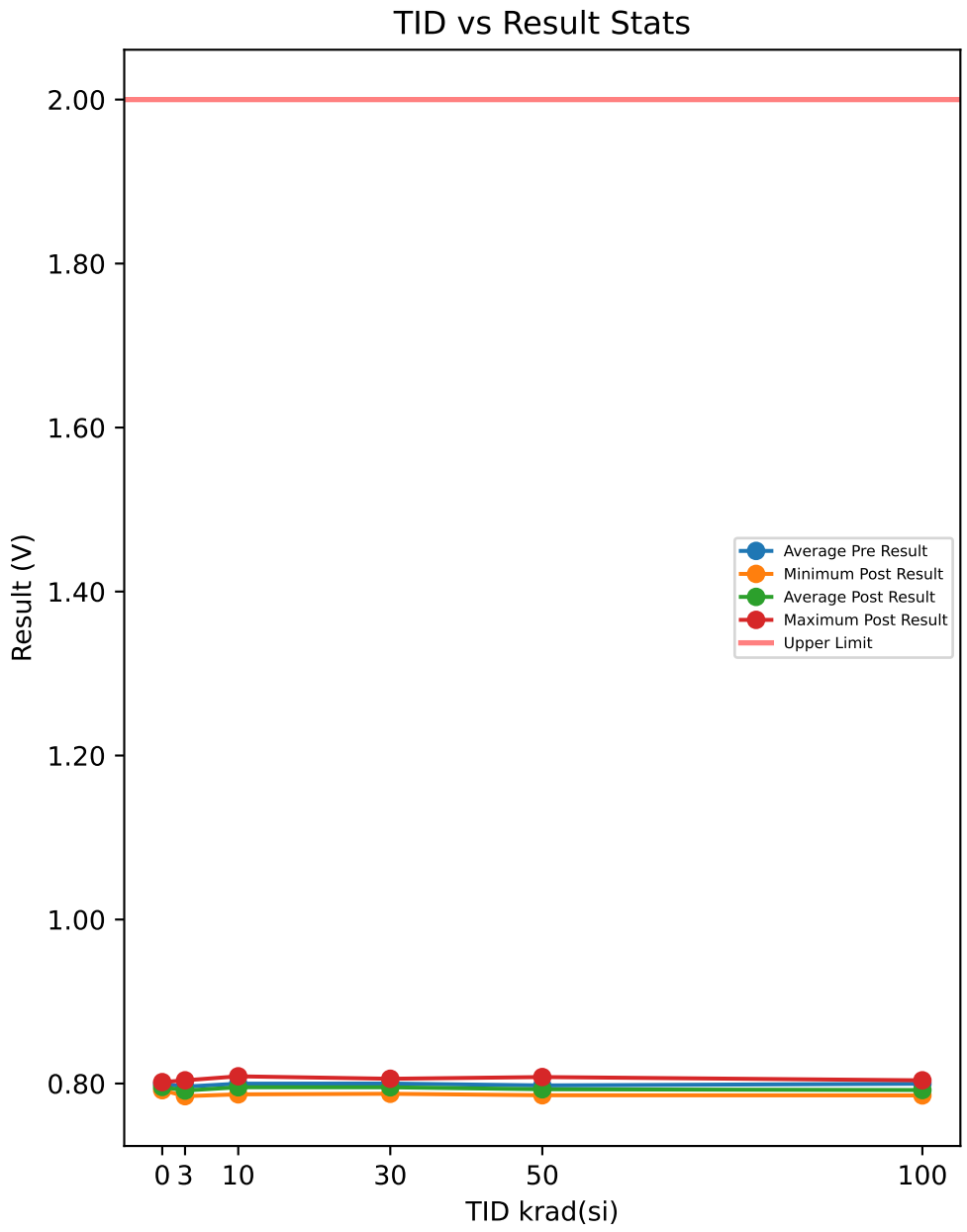
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.8012	0.7956	-0.0056
2	3	Biased	0.8066	0.8017	-0.0049
3	3	Biased	0.794	0.789	-0.005
4	3	Biased	0.7934	0.7886	-0.0048
5	3	Biased	0.7946	0.79	-0.0046
6	3	Unbiased	0.7967	0.7924	-0.0043
7	3	Unbiased	0.7965	0.7923	-0.0042
8	3	Unbiased	0.7885	0.7841	-0.0044
9	3	Unbiased	0.7866	0.7823	-0.0043
10	3	Unbiased	0.7937	0.7896	-0.0041
11	10	Biased	0.7881	0.7833	-0.0048
12	10	Biased	0.8146	0.8099	-0.0047
13	10	Biased	0.7964	0.7917	-0.0047
14	10	Biased	0.793	0.7884	-0.0046
15	10	Biased	0.7947	0.7905	-0.0042
16	10	Unbiased	0.7927	0.7886	-0.0041
17	10	Unbiased	0.7957	0.7916	-0.0041
18	10	Unbiased	0.8082	0.8039	-0.0043
19	10	Unbiased	0.7916	0.7876	-0.004
20	10	Unbiased	0.8108	0.8067	-0.0041
21	30	Biased	0.7986	0.7938	-0.0048
22	30	Biased	0.7967	0.792	-0.0047
23	30	Biased	0.8054	0.8006	-0.0048
24	30	Biased	0.7927	0.7883	-0.0044
25	30	Biased	0.7919	0.7876	-0.0043
26	30	Unbiased	0.8035	0.7989	-0.0046
27	30	Unbiased	0.7917	0.7869	-0.0048
28	30	Unbiased	0.8029	0.7982	-0.0047
29	30	Unbiased	0.7975	0.7931	-0.0044
30	30	Unbiased	0.7984	0.7941	-0.0043
31	50	Biased	0.7964	0.7918	-0.0046
32	50	Biased	0.7979	0.7933	-0.0046
33	50	Biased	0.7921	0.7875	-0.0046
34	50	Biased	0.7875	0.7832	-0.0043
35	50	Biased	0.8115	0.8069	-0.0046
36	50	Unbiased	0.8067	0.8018	-0.0049
37	50	Unbiased	0.7908	0.7861	-0.0047
38	50	Unbiased	0.7891	0.7842	-0.0049
39	50	Unbiased	0.7949	0.79	-0.0049
40	50	Unbiased	0.7951	0.7901	-0.005
41	100	Biased	0.8085	0.8016	-0.0069
42	100	Biased	0.7915	0.7838	-0.0077
43	100	Biased	0.8072	0.799	-0.0082
44	100	Biased	0.7947	0.7868	-0.0079
45	100	Biased	0.7947	0.7869	-0.0078
46	100	Unbiased	0.7995	0.7917	-0.0078
47	100	Unbiased	0.8005	0.7932	-0.0073
48	100	Unbiased	0.7925	0.7852	-0.0073
49	100	Unbiased	0.7946	0.787	-0.0076
50	100	Unbiased	0.7943	0.7867	-0.0076
51	0	Correlation	0.7937	0.7899	-0.0038
53	0	Correlation	0.8009	0.7975	-0.0034
54	0	Correlation	0.7933	0.7896	-0.0037
55	0	Correlation	0.8011	0.7973	-0.0038
56	0	Correlation	0.7942	0.7901	-0.0041



Test Statistics (V)

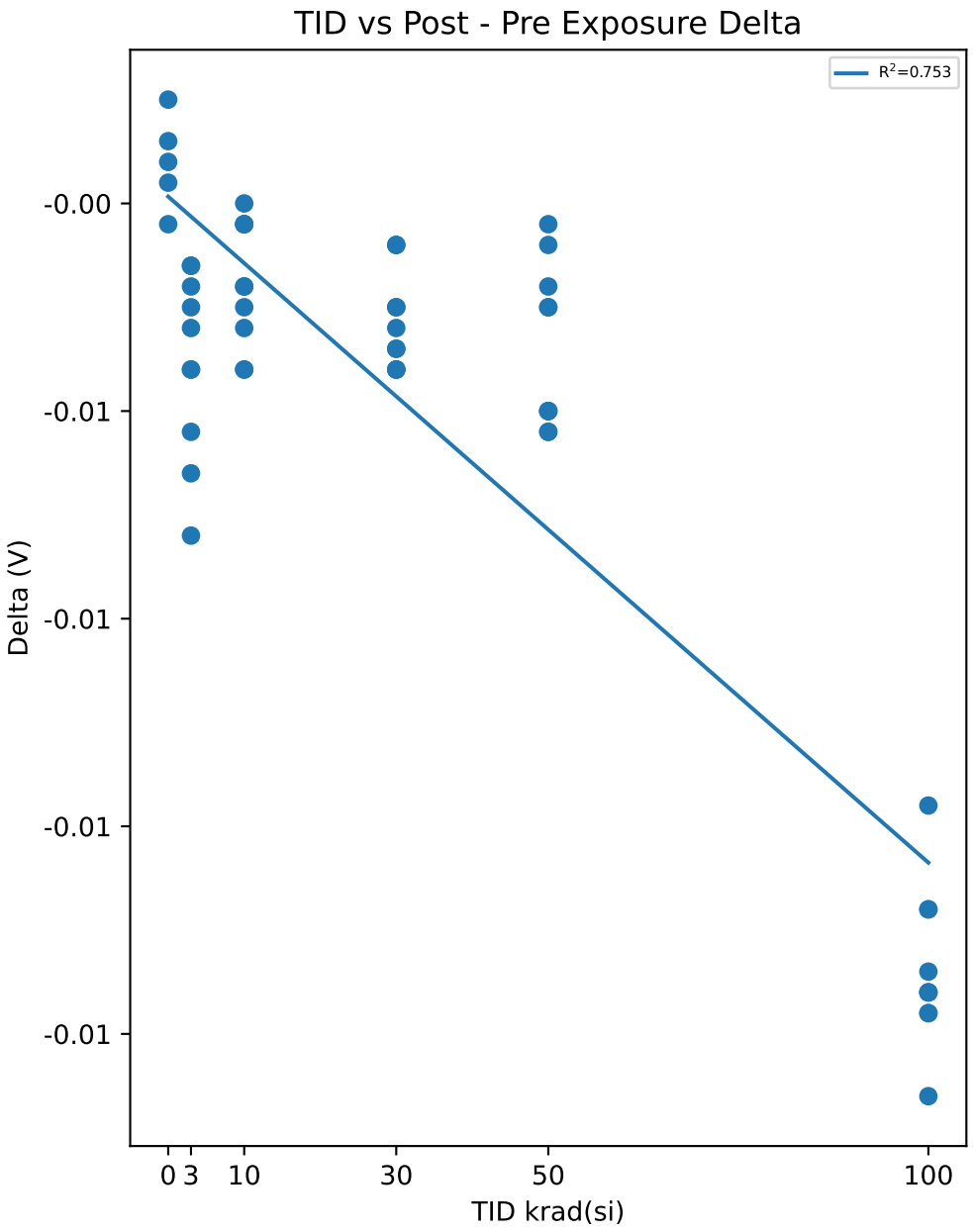
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7933	0.79664	0.8011	0.0039935	0.7896	0.79288	0.7975	0.0041306	-0.0041	-0.00376	-0.0034	0.000251
3	0.7866	0.79518	0.8066	0.0057352	0.7823	0.79056	0.8017	0.0055114	-0.0056	-0.00462	-0.0041	0.0004614
10	0.7881	0.79858	0.8146	0.009134	0.7833	0.79422	0.8099	0.0091342	-0.0048	-0.00436	-0.004	0.00030623
30	0.7917	0.79793	0.8054	0.0049038	0.7869	0.79335	0.8006	0.0048271	-0.0048	-0.00458	-0.0043	0.00020976
50	0.7875	0.7962	0.8115	0.0076175	0.7832	0.79149	0.8069	0.0075875	-0.005	-0.00471	-0.0043	0.00021318
100	0.7915	0.7978	0.8085	0.0059863	0.7838	0.79019	0.8016	0.0060512	-0.0082	-0.00761	-0.0069	0.00036652

Device Test: 6.107; VOL_RESET_10MA_OD



Test Results (Upper Limit = 2.0 (V))

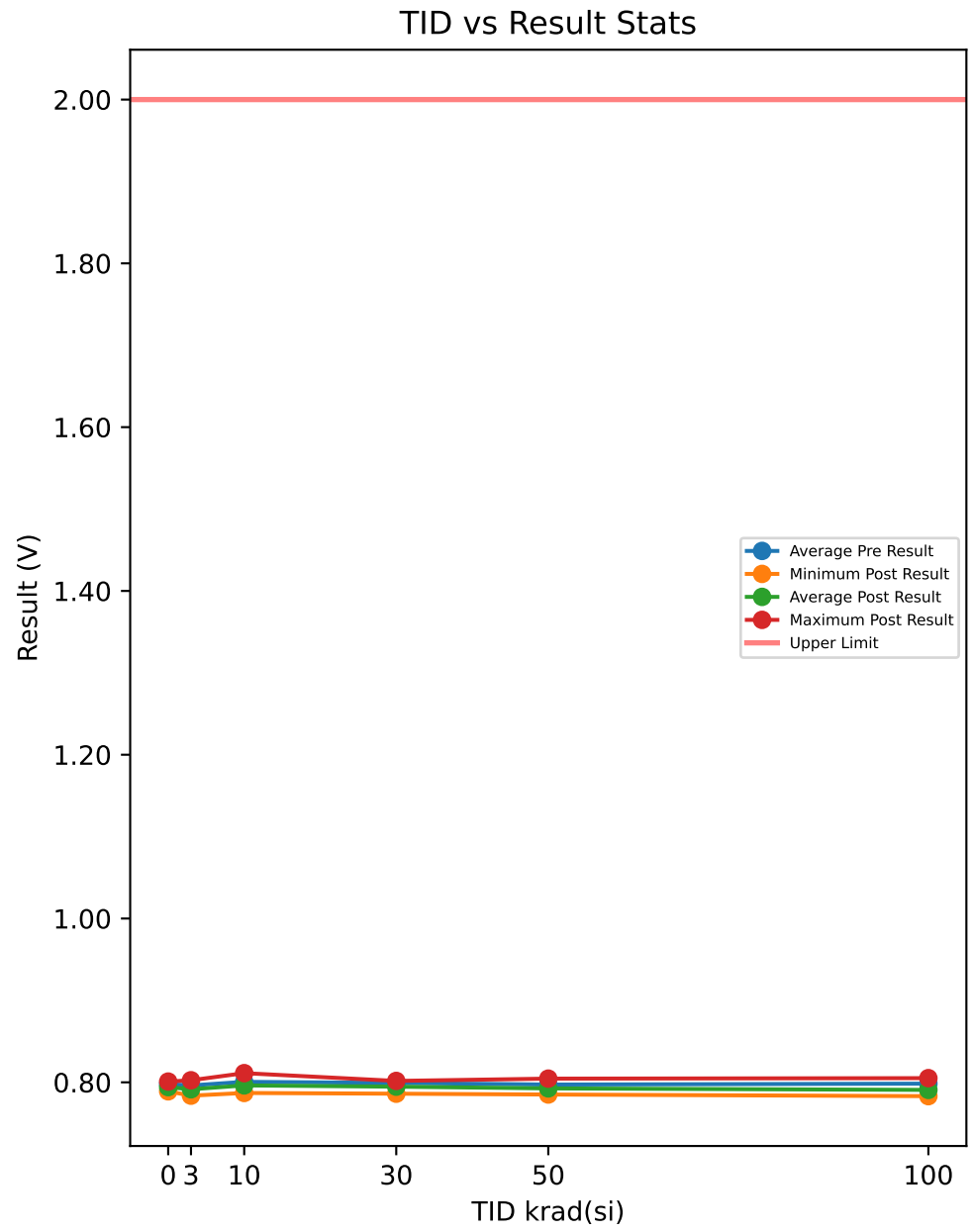
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.8033	0.7977	-0.0056
2	3	Biased	0.809	0.8039	-0.0051
3	3	Biased	0.793	0.7877	-0.0053
4	3	Biased	0.7925	0.7877	-0.0048
5	3	Biased	0.7961	0.7913	-0.0048
6	3	Unbiased	0.7987	0.7942	-0.0045
7	3	Unbiased	0.7971	0.7928	-0.0043
8	3	Unbiased	0.7894	0.7848	-0.0046
9	3	Unbiased	0.789	0.7846	-0.0044
10	3	Unbiased	0.7942	0.7899	-0.0043
11	10	Biased	0.7916	0.7868	-0.0048
12	10	Biased	0.8127	0.8079	-0.0048
13	10	Biased	0.7974	0.7928	-0.0046
14	10	Biased	0.7955	0.791	-0.0045
15	10	Biased	0.797	0.7926	-0.0044
16	10	Unbiased	0.7938	0.7897	-0.0041
17	10	Unbiased	0.7971	0.7931	-0.004
18	10	Unbiased	0.8086	0.8042	-0.0044
19	10	Unbiased	0.7916	0.7875	-0.0041
20	10	Unbiased	0.8129	0.8088	-0.0041
21	30	Biased	0.7998	0.795	-0.0048
22	30	Biased	0.798	0.7933	-0.0047
23	30	Biased	0.8104	0.8058	-0.0046
24	30	Biased	0.795	0.7908	-0.0042
25	30	Biased	0.7955	0.7913	-0.0042
26	30	Unbiased	0.8055	0.8008	-0.0047
27	30	Unbiased	0.7923	0.7875	-0.0048
28	30	Unbiased	0.8066	0.8018	-0.0048
29	30	Unbiased	0.7993	0.7948	-0.0045
30	30	Unbiased	0.7974	0.7929	-0.0045
31	50	Biased	0.7959	0.7914	-0.0045
32	50	Biased	0.7983	0.7941	-0.0042
33	50	Biased	0.7944	0.79	-0.0044
34	50	Biased	0.7898	0.7857	-0.0041
35	50	Biased	0.8124	0.8079	-0.0045
36	50	Unbiased	0.8092	0.8042	-0.005
37	50	Unbiased	0.7929	0.7879	-0.005
38	50	Unbiased	0.7908	0.7858	-0.005
39	50	Unbiased	0.7971	0.792	-0.0051
40	50	Unbiased	0.796	0.7909	-0.0051
41	100	Biased	0.8108	0.8039	-0.0069
42	100	Biased	0.7933	0.7855	-0.0078
43	100	Biased	0.8051	0.7968	-0.0083
44	100	Biased	0.7987	0.7908	-0.0079
45	100	Biased	0.7977	0.79	-0.0077
46	100	Unbiased	0.8007	0.7928	-0.0079
47	100	Unbiased	0.8021	0.7947	-0.0074
48	100	Unbiased	0.7949	0.7875	-0.0074
49	100	Unbiased	0.7955	0.7877	-0.0078
50	100	Unbiased	0.7987	0.7909	-0.0078
51	0	Correlation	0.7958	0.7919	-0.0039
53	0	Correlation	0.8035	0.8	-0.0035
54	0	Correlation	0.7962	0.7925	-0.0037
55	0	Correlation	0.8055	0.8017	-0.0038
56	0	Correlation	0.7972	0.7931	-0.0041

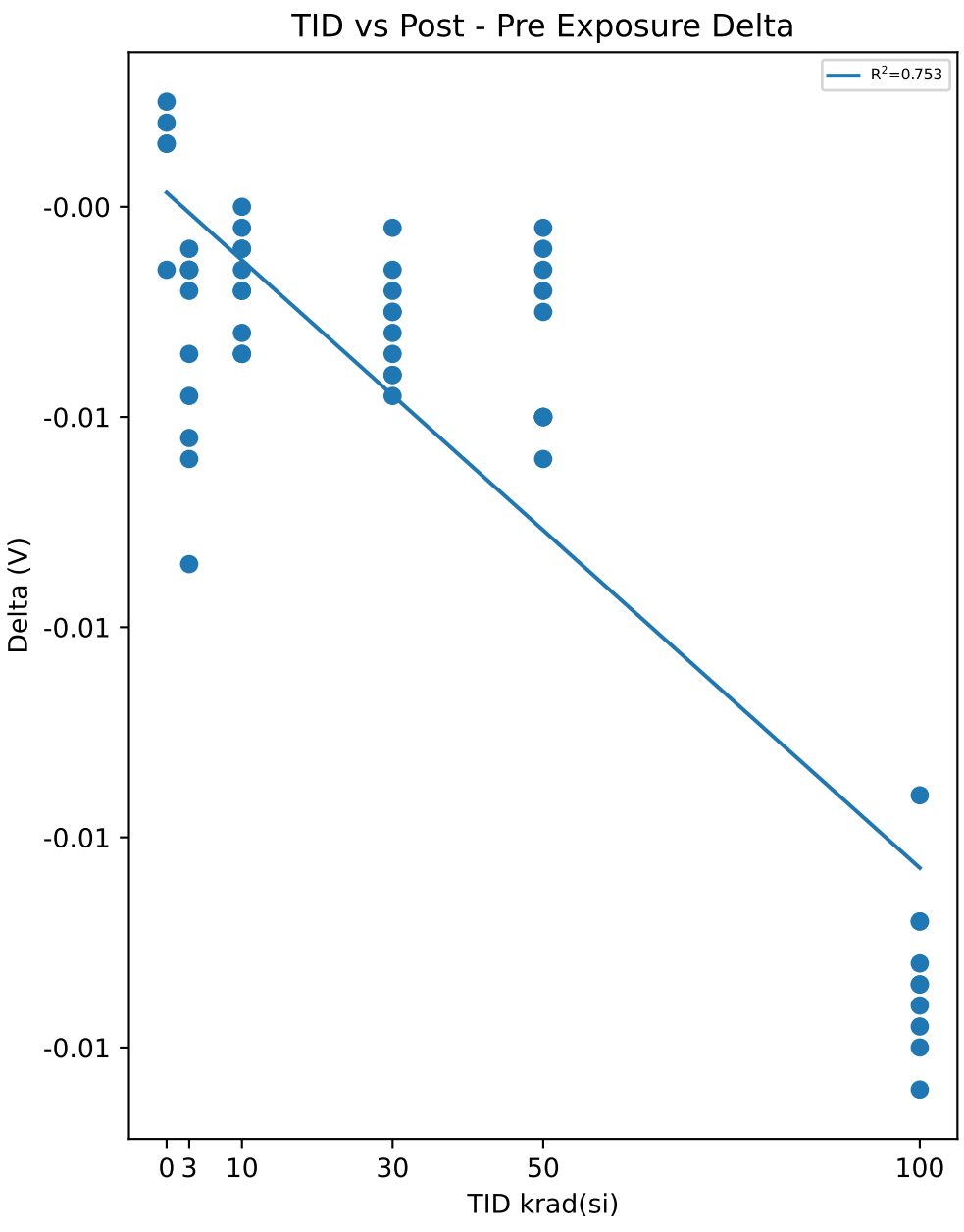


Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7958	0.79964	0.8055	0.0045214	0.7919	0.79584	0.8017	0.0046323	-0.0041	-0.0038	-0.0035	0.00022361
3	0.789	0.79623	0.809	0.0062122	0.7846	0.79146	0.8039	0.0060106	-0.0056	-0.00477	-0.0043	0.00044234
10	0.7916	0.79982	0.8129	0.0083354	0.7868	0.79544	0.8088	0.0083089	-0.0048	-0.00438	-0.004	0.0002974
30	0.7923	0.79998	0.8104	0.0057523	0.7875	0.7954	0.8058	0.0056749	-0.0048	-0.00458	-0.0042	0.00022998
50	0.7898	0.79768	0.8124	0.0074471	0.7857	0.79299	0.8079	0.0074294	-0.0051	-0.00469	-0.0041	0.00039001
100	0.7933	0.79975	0.8108	0.005236	0.7855	0.79206	0.8039	0.0053767	-0.0083	-0.00769	-0.0069	0.00037845

Device Test: 6.108; VOL_RESET_10MA_OD





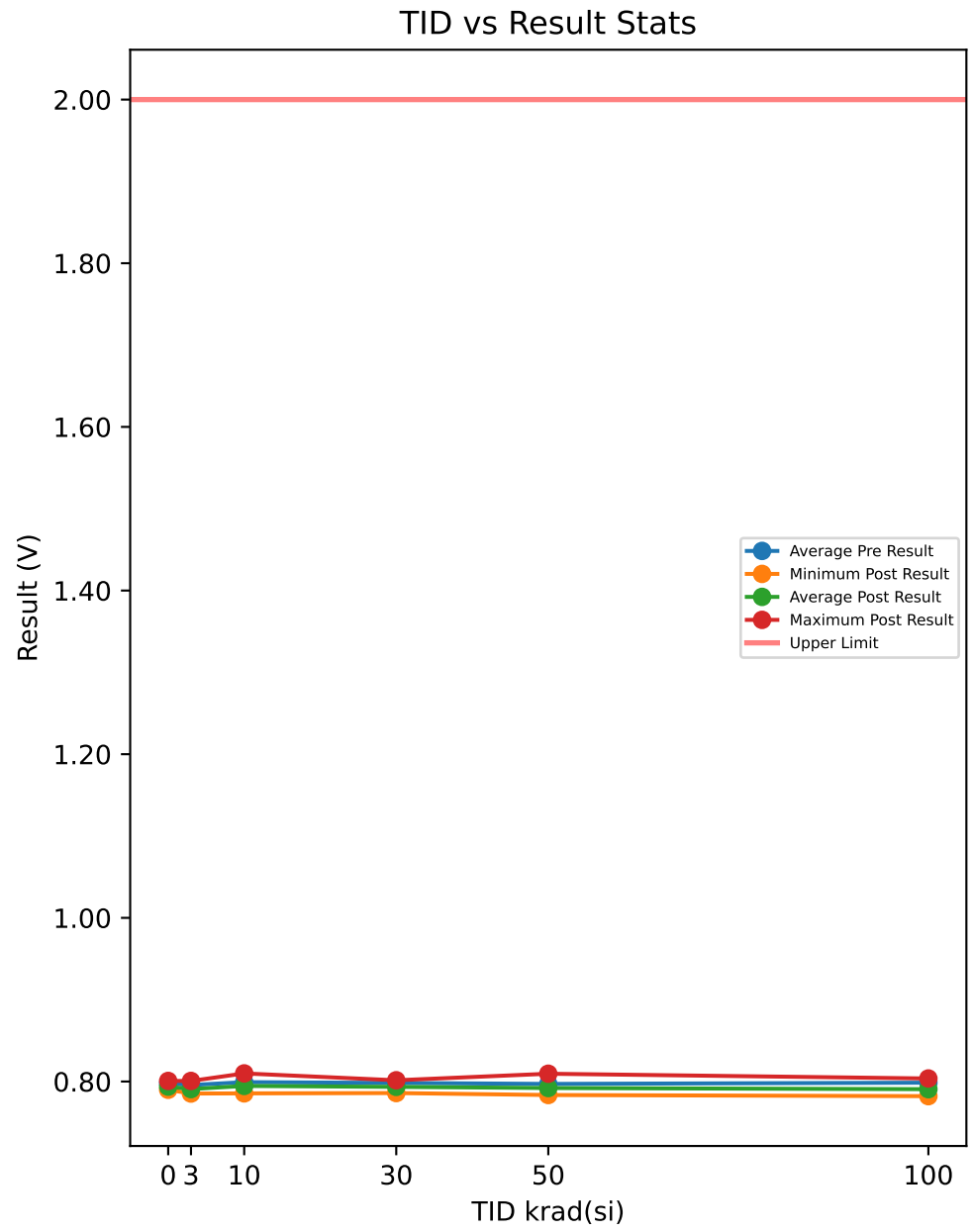
Test Results (Upper Limit = 2.0 (V))

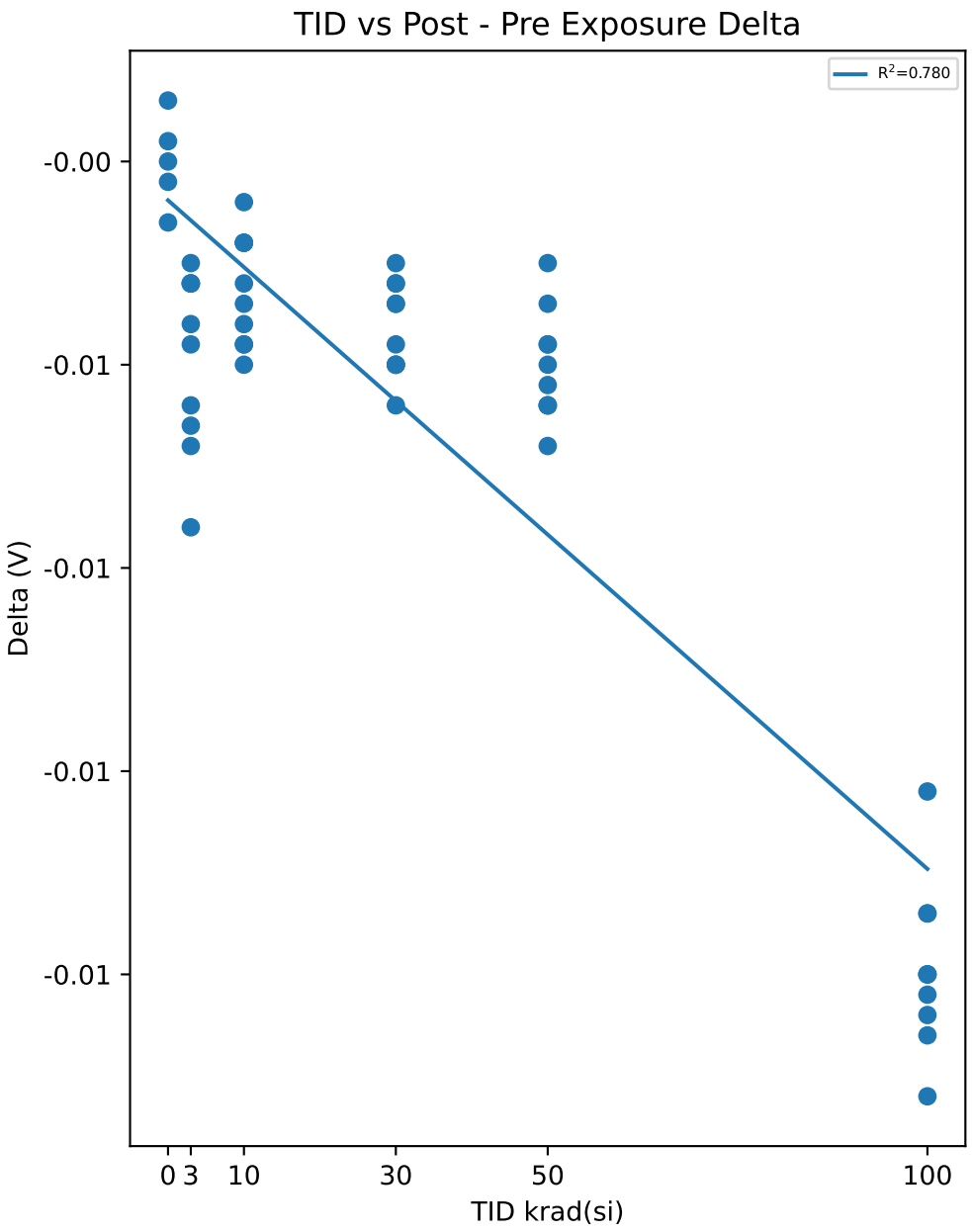
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.8034	0.7977	-0.0057
2	3	Biased	0.8076	0.8025	-0.0051
3	3	Biased	0.7929	0.7877	-0.0052
4	3	Biased	0.794	0.7891	-0.0049
5	3	Biased	0.7975	0.7928	-0.0047
6	3	Unbiased	0.7985	0.7942	-0.0043
7	3	Unbiased	0.7961	0.7918	-0.0043
8	3	Unbiased	0.7881	0.7837	-0.0044
9	3	Unbiased	0.7896	0.7853	-0.0043
10	3	Unbiased	0.7942	0.79	-0.0042
11	10	Biased	0.7917	0.787	-0.0047
12	10	Biased	0.8135	0.8089	-0.0046
13	10	Biased	0.7965	0.7918	-0.0047
14	10	Biased	0.7959	0.7915	-0.0044
15	10	Biased	0.7957	0.7914	-0.0043
16	10	Unbiased	0.7929	0.7887	-0.0042
17	10	Unbiased	0.7988	0.7948	-0.004
18	10	Unbiased	0.811	0.8066	-0.0044
19	10	Unbiased	0.7944	0.7903	-0.0041
20	10	Unbiased	0.8154	0.8112	-0.0042
21	30	Biased	0.8002	0.7954	-0.0048
22	30	Biased	0.801	0.7964	-0.0046
23	30	Biased	0.8064	0.8017	-0.0047
24	30	Biased	0.7943	0.79	-0.0043
25	30	Biased	0.7933	0.7892	-0.0041
26	30	Unbiased	0.8058	0.8013	-0.0045
27	30	Unbiased	0.791	0.7861	-0.0049
28	30	Unbiased	0.8054	0.8006	-0.0048
29	30	Unbiased	0.7981	0.7936	-0.0045
30	30	Unbiased	0.7969	0.7925	-0.0044
31	50	Biased	0.7979	0.7936	-0.0043
32	50	Biased	0.799	0.7948	-0.0042
33	50	Biased	0.794	0.7895	-0.0045
34	50	Biased	0.7897	0.7856	-0.0041
35	50	Biased	0.8089	0.8045	-0.0044
36	50	Unbiased	0.8083	0.8033	-0.005
37	50	Unbiased	0.7925	0.7875	-0.005
38	50	Unbiased	0.7901	0.7851	-0.005
39	50	Unbiased	0.7968	0.7918	-0.005
40	50	Unbiased	0.7952	0.79	-0.0052
41	100	Biased	0.8119	0.8051	-0.0068
42	100	Biased	0.7907	0.7831	-0.0076
43	100	Biased	0.8068	0.7986	-0.0082
44	100	Biased	0.7947	0.7867	-0.008
45	100	Biased	0.7963	0.7886	-0.0077
46	100	Unbiased	0.798	0.7902	-0.0078
47	100	Unbiased	0.8005	0.7931	-0.0074
48	100	Unbiased	0.7922	0.7848	-0.0074
49	100	Unbiased	0.7983	0.7906	-0.0077
50	100	Unbiased	0.7943	0.7864	-0.0079
51	0	Correlation	0.7927	0.789	-0.0037
53	0	Correlation	0.8017	0.7982	-0.0035
54	0	Correlation	0.7953	0.7917	-0.0036
55	0	Correlation	0.8046	0.8009	-0.0037
56	0	Correlation	0.7951	0.7908	-0.0043

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7927	0.79788	0.8046	0.0050241	0.789	0.79412	0.8009	0.0051407	-0.0043	-0.00376	-0.0035	0.00031305
3	0.7881	0.79619	0.8076	0.0059413	0.7837	0.79148	0.8025	0.0056788	-0.0057	-0.00471	-0.0042	0.00050211
10	0.7917	0.80058	0.8154	0.0090474	0.787	0.79622	0.8112	0.0090468	-0.0047	-0.00436	-0.004	0.00024585
30	0.791	0.79924	0.8064	0.0054836	0.7861	0.79468	0.8017	0.0054067	-0.0049	-0.00456	-0.0041	0.00025033
50	0.7897	0.79724	0.8089	0.0067244	0.7851	0.79257	0.8045	0.0067511	-0.0052	-0.00467	-0.0041	0.00040838
100	0.7907	0.79837	0.8119	0.006583	0.7831	0.79072	0.8051	0.0067269	-0.0082	-0.00765	-0.0068	0.00038944

Device Test: 6.109; VOL_RESET_10MA_OD





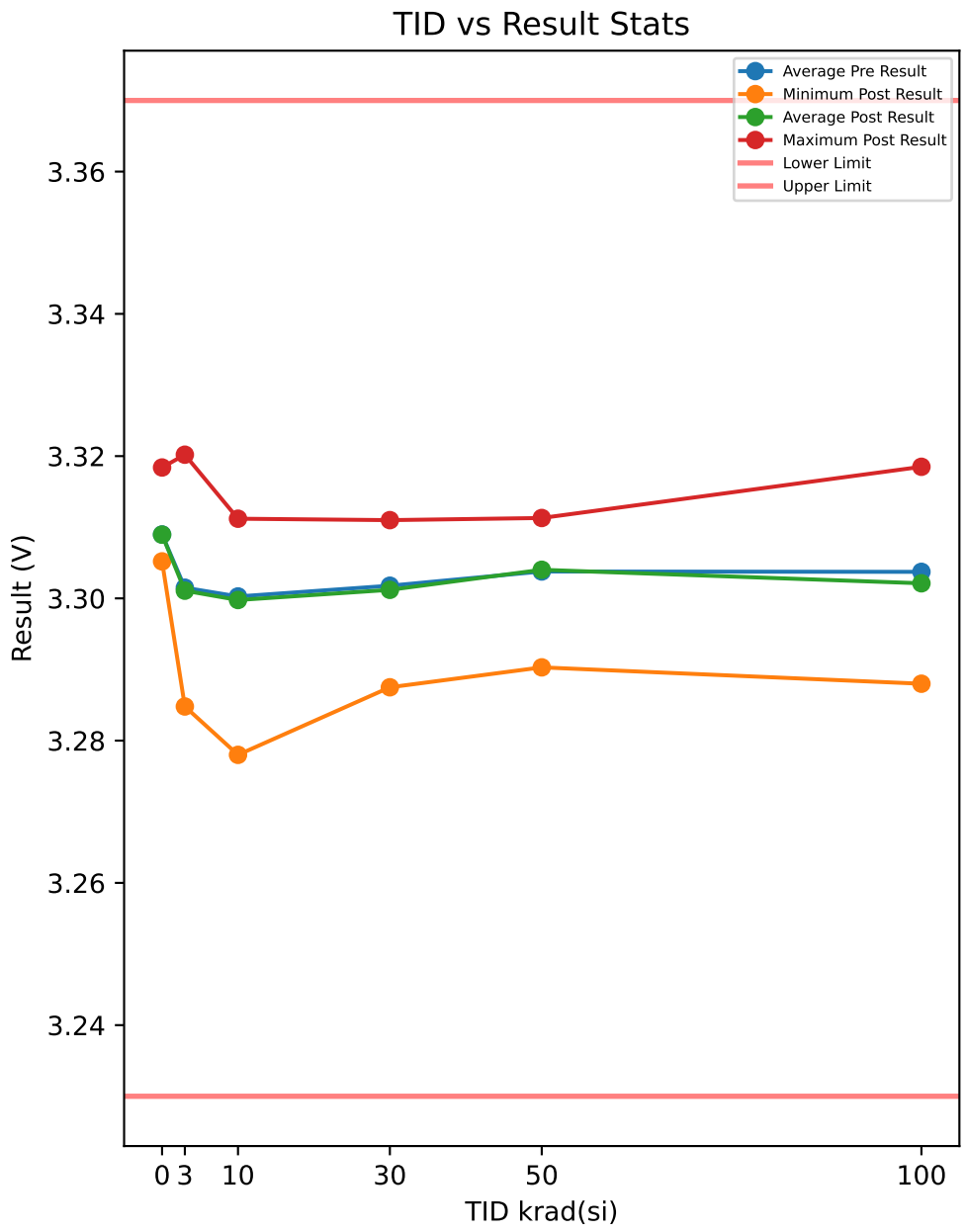
Test Results (Upper Limit = 2.0 (V))

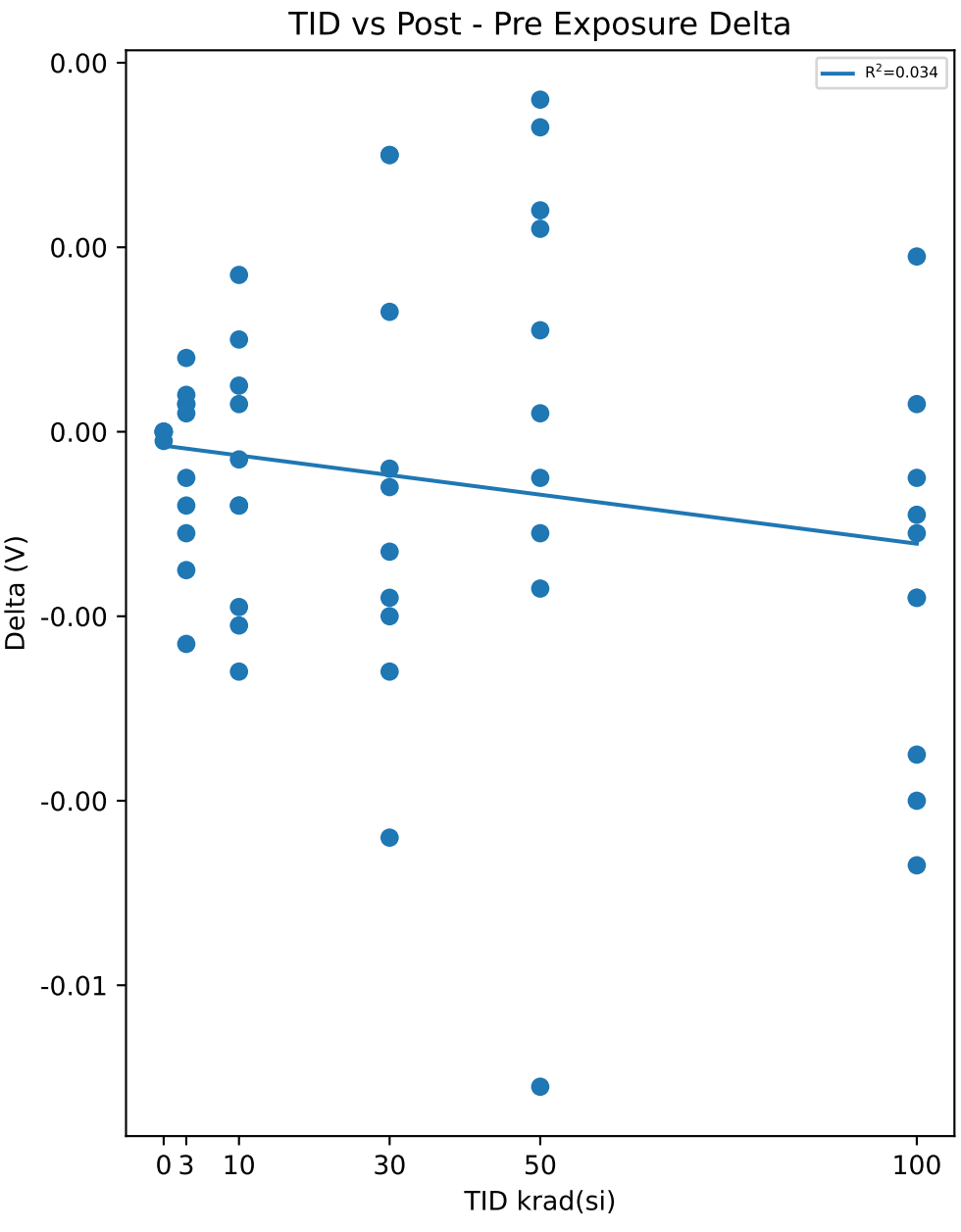
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.8031	0.7973	-0.0058
2	3	Biased	0.8059	0.8007	-0.0052
3	3	Biased	0.7931	0.7877	-0.0054
4	3	Biased	0.7931	0.7878	-0.0053
5	3	Biased	0.7971	0.7922	-0.0049
6	3	Unbiased	0.7983	0.7937	-0.0046
7	3	Unbiased	0.7937	0.7891	-0.0046
8	3	Unbiased	0.7902	0.7854	-0.0048
9	3	Unbiased	0.7899	0.7853	-0.0046
10	3	Unbiased	0.7925	0.788	-0.0045
11	10	Biased	0.7904	0.7855	-0.0049
12	10	Biased	0.8131	0.8081	-0.005
13	10	Biased	0.7958	0.7909	-0.0049
14	10	Biased	0.7939	0.7892	-0.0047
15	10	Biased	0.7932	0.7884	-0.0048
16	10	Unbiased	0.7929	0.7885	-0.0044
17	10	Unbiased	0.7972	0.7928	-0.0044
18	10	Unbiased	0.809	0.8044	-0.0046
19	10	Unbiased	0.7926	0.7882	-0.0044
20	10	Unbiased	0.8141	0.8099	-0.0042
21	30	Biased	0.7966	0.7914	-0.0052
22	30	Biased	0.799	0.794	-0.005
23	30	Biased	0.8058	0.8008	-0.005
24	30	Biased	0.7904	0.7859	-0.0045
25	30	Biased	0.794	0.7894	-0.0046
26	30	Unbiased	0.804	0.7994	-0.0046
27	30	Unbiased	0.7919	0.787	-0.0049
28	30	Unbiased	0.8065	0.8015	-0.005
29	30	Unbiased	0.7983	0.7936	-0.0047
30	30	Unbiased	0.7962	0.7915	-0.0047
31	50	Biased	0.7947	0.7897	-0.005
32	50	Biased	0.7996	0.7949	-0.0047
33	50	Biased	0.7912	0.7863	-0.0049
34	50	Biased	0.788	0.7835	-0.0045
35	50	Biased	0.8144	0.8095	-0.0049
36	50	Unbiased	0.8099	0.8048	-0.0051
37	50	Unbiased	0.7916	0.7864	-0.0052
38	50	Unbiased	0.7901	0.7849	-0.0052
39	50	Unbiased	0.7978	0.7926	-0.0052
40	50	Unbiased	0.7931	0.7877	-0.0054
41	100	Biased	0.8108	0.8037	-0.0071
42	100	Biased	0.7902	0.7821	-0.0081
43	100	Biased	0.8063	0.7977	-0.0086
44	100	Biased	0.7972	0.789	-0.0082
45	100	Biased	0.7985	0.7902	-0.0083
46	100	Unbiased	0.7977	0.7897	-0.008
47	100	Unbiased	0.8011	0.7934	-0.0077
48	100	Unbiased	0.791	0.7833	-0.0077
49	100	Unbiased	0.7963	0.7883	-0.008
50	100	Unbiased	0.7968	0.7888	-0.008
51	0	Correlation	0.794	0.7899	-0.0041
53	0	Correlation	0.8003	0.7966	-0.0037
54	0	Correlation	0.7948	0.7909	-0.0039
55	0	Correlation	0.8047	0.8007	-0.004
56	0	Correlation	0.7949	0.7906	-0.0043

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.794	0.79774	0.8047	0.0046285	0.7899	0.79374	0.8007	0.0047247	-0.0043	-0.004	-0.0037	0.00022361
3	0.7899	0.79569	0.8059	0.0053662	0.7853	0.79072	0.8007	0.0051566	-0.0058	-0.00497	-0.0045	0.00043474
10	0.7904	0.79922	0.8141	0.0091384	0.7855	0.79459	0.8099	0.0091766	-0.005	-0.00463	-0.0042	0.00027101
30	0.7904	0.79827	0.8065	0.0056334	0.7859	0.79345	0.8015	0.0055534	-0.0052	-0.00482	-0.0045	0.00022998
50	0.788	0.79704	0.8144	0.0087462	0.7835	0.79203	0.8095	0.0087505	-0.0054	-0.00501	-0.0045	0.00026854
100	0.7902	0.79859	0.8108	0.0062717	0.7821	0.79062	0.8037	0.0063897	-0.0086	-0.00797	-0.0071	0.00040565

Device Test: 6.11; VLDO_REG





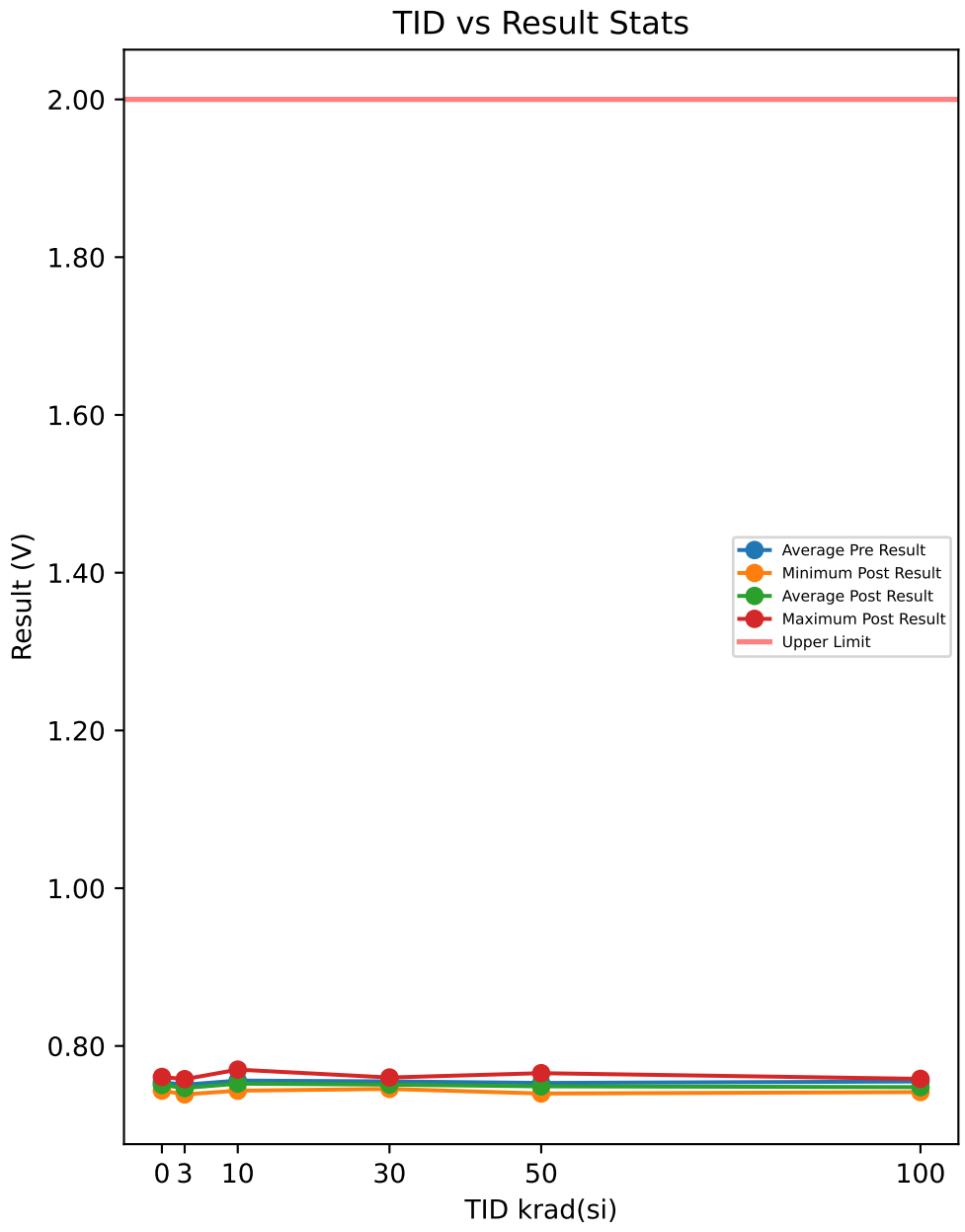
Test Results (Lower Limit = 3.23, Upper Limit = 3.37 (V))

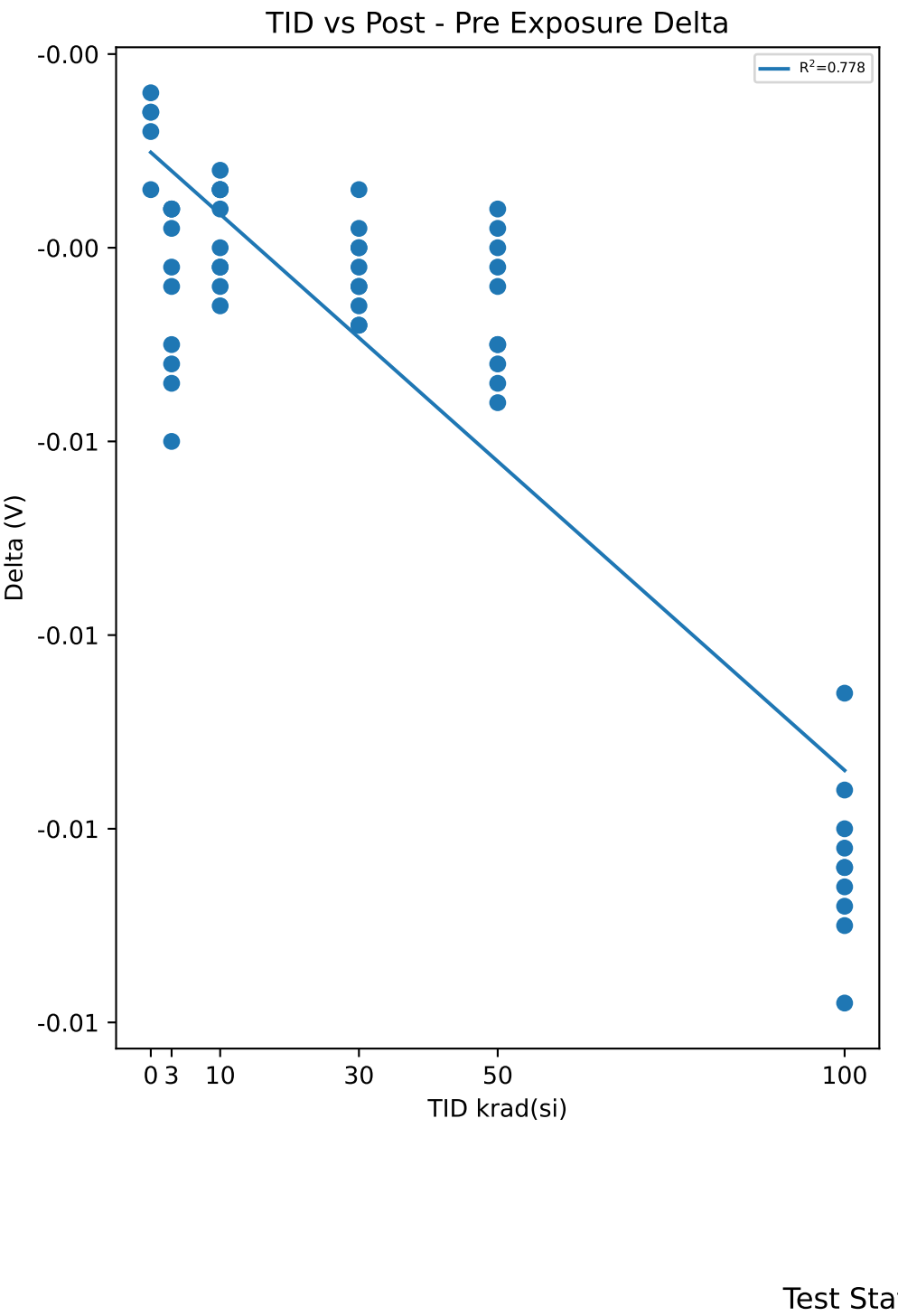
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	3.2999	3.2984	-0.0015
2	3	Biased	3.3007	3.2996	-0.0011
3	3	Biased	3.3035	3.3043	0.0008
4	3	Biased	3.2933	3.2925	-0.0008
5	3	Biased	3.3032	3.3027	-0.0005
6	3	Unbiased	3.3069	3.3072	0.0003
7	3	Unbiased	3.3045	3.3047	0.0002
8	3	Unbiased	3.2871	3.2848	-0.0023
9	3	Unbiased	3.3199	3.3202	0.0003
10	3	Unbiased	3.296	3.2964	0.0004
11	10	Biased	3.2994	3.3011	0.0017
12	10	Biased	3.2821	3.2824	0.0003
13	10	Biased	3.3037	3.3029	-0.0008
14	10	Biased	3.3068	3.3047	-0.0021
15	10	Biased	3.3083	3.3075	-0.0008
16	10	Unbiased	3.2799	3.278	-0.0019
17	10	Unbiased	3.3047	3.3044	-0.0003
18	10	Unbiased	3.3096	3.3106	0.001
19	10	Unbiased	3.2975	3.2949	-0.0026
20	10	Unbiased	3.3107	3.3112	0.0005
21	30	Biased	3.3083	3.3096	0.0013
22	30	Biased	3.3098	3.3092	-0.0006
23	30	Biased	3.2874	3.2904	0.003
24	30	Biased	3.3007	3.2994	-0.0013
25	30	Biased	3.3136	3.311	-0.0026
26	30	Unbiased	3.3041	3.2997	-0.0044
27	30	Unbiased	3.2893	3.2875	-0.0018
28	30	Unbiased	3.3003	3.2983	-0.002
29	30	Unbiased	3.2985	3.2981	-0.0004
30	30	Unbiased	3.3058	3.3088	0.003
31	50	Biased	3.3005	3.3016	0.0011
32	50	Biased	3.2914	3.2903	-0.0011
33	50	Biased	3.312	3.3103	-0.0017
34	50	Biased	3.3146	3.3075	-0.0071
35	50	Biased	3.3101	3.3103	0.0002
36	50	Unbiased	3.295	3.2972	0.0022
37	50	Unbiased	3.308	3.3113	0.0033
38	50	Unbiased	3.298	3.3016	0.0036
39	50	Unbiased	3.3014	3.3038	0.0024
40	50	Unbiased	3.3068	3.3063	-0.0005
41	100	Biased	3.2927	3.288	-0.0047
42	100	Biased	3.2949	3.2968	0.0019
43	100	Biased	3.2929	3.2924	-0.0005
44	100	Biased	3.3117	3.312	0.0003
45	100	Biased	3.3068	3.3057	-0.0011
46	100	Unbiased	3.3042	3.3024	-0.0018
47	100	Unbiased	3.3156	3.3147	-0.0009
48	100	Unbiased	3.2964	3.2929	-0.0035
49	100	Unbiased	3.3203	3.3185	-0.0018
50	100	Unbiased	3.3018	3.2978	-0.004
51	0	Correlation	3.3185	3.3184	-0.0001
53	0	Correlation	3.3054	3.3054	0
54	0	Correlation	3.3057	3.3057	0
55	0	Correlation	3.3101	3.3101	0
56	0	Correlation	3.3052	3.3052	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	3.3052	3.309	3.3185	0.0056953	3.3052	3.309	3.3184	0.0056536	-0.0001	-2e-05	0	4.4721e-05
3	3.2871	3.3015	3.3199	0.0087665	3.2848	3.3011	3.3202	0.0094225	-0.0023	-0.00042	0.0008	0.00099421
10	3.2799	3.3003	3.3107	0.010994	3.278	3.2998	3.3112	0.011374	-0.0026	-0.0005	0.0017	0.0014095
30	3.2874	3.3018	3.3136	0.0084639	3.2875	3.3012	3.311	0.0082745	-0.0044	-0.00058	0.003	0.0024013
50	3.2914	3.3038	3.3146	0.0076862	3.2903	3.304	3.3113	0.0066307	-0.0071	0.00024	0.0036	0.0031602
100	3.2927	3.3037	3.3203	0.0097923	3.288	3.3021	3.3185	0.010344	-0.0047	-0.00161	0.0019	0.002024

Device Test: 6.110; VOL_WDO_10MA_OD





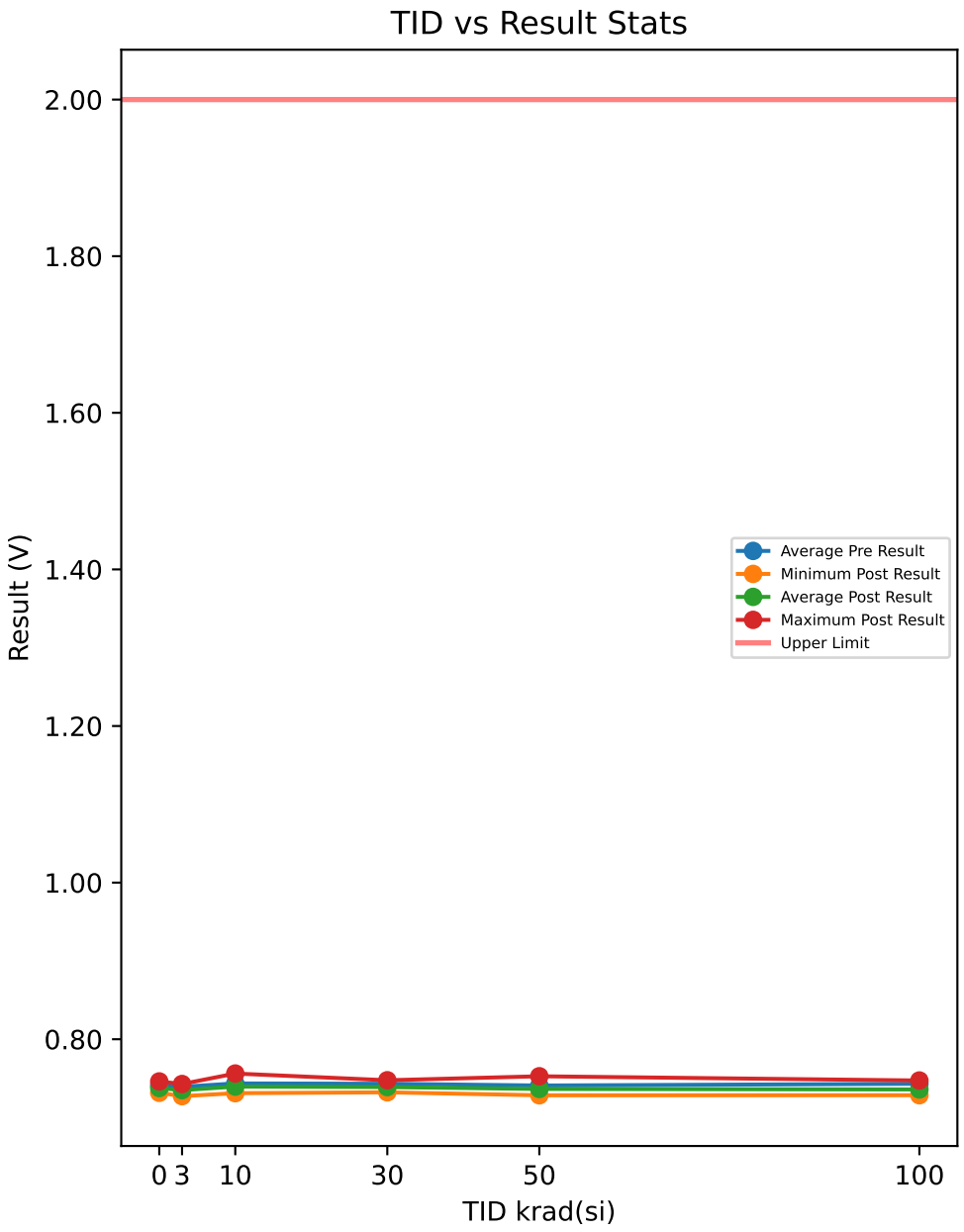
Test Results (Upper Limit = 2.0 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7568	0.7518	-0.005
2	3	Biased	0.7625	0.7579	-0.0046
3	3	Biased	0.7464	0.7417	-0.0047
4	3	Biased	0.748	0.7438	-0.0042
5	3	Biased	0.7538	0.7493	-0.0045
6	3	Unbiased	0.7512	0.7473	-0.0039
7	3	Unbiased	0.7512	0.7474	-0.0038
8	3	Unbiased	0.7446	0.7408	-0.0038
9	3	Unbiased	0.7427	0.7386	-0.0041
10	3	Unbiased	0.7515	0.7477	-0.0038
11	10	Biased	0.7474	0.7433	-0.0041
12	10	Biased	0.7721	0.7678	-0.0043
13	10	Biased	0.7521	0.748	-0.0041
14	10	Biased	0.7497	0.7455	-0.0042
15	10	Biased	0.7495	0.7457	-0.0038
16	10	Unbiased	0.7499	0.7462	-0.0037
17	10	Unbiased	0.7528	0.7492	-0.0036
18	10	Unbiased	0.7669	0.7629	-0.004
19	10	Unbiased	0.7472	0.7435	-0.0037
20	10	Unbiased	0.7737	0.77	-0.0037
21	30	Biased	0.7543	0.7499	-0.0044
22	30	Biased	0.7547	0.7505	-0.0042
23	30	Biased	0.761	0.757	-0.004
24	30	Biased	0.7505	0.7466	-0.0039
25	30	Biased	0.7494	0.7457	-0.0037
26	30	Unbiased	0.7638	0.7596	-0.0042
27	30	Unbiased	0.7499	0.7455	-0.0044
28	30	Unbiased	0.7643	0.76	-0.0043
29	30	Unbiased	0.7533	0.7492	-0.0041
30	30	Unbiased	0.7496	0.7456	-0.004
31	50	Biased	0.7485	0.7443	-0.0042
32	50	Biased	0.752	0.7481	-0.0039
33	50	Biased	0.7468	0.7427	-0.0041
34	50	Biased	0.7435	0.7397	-0.0038
35	50	Biased	0.7695	0.7655	-0.004
36	50	Unbiased	0.7696	0.7651	-0.0045
37	50	Unbiased	0.7464	0.7419	-0.0045
38	50	Unbiased	0.7471	0.7424	-0.0047
39	50	Unbiased	0.7557	0.7511	-0.0046
40	50	Unbiased	0.752	0.7472	-0.0048
41	100	Biased	0.7624	0.7561	-0.0063
42	100	Biased	0.7492	0.742	-0.0072
43	100	Biased	0.7662	0.7583	-0.0079
44	100	Biased	0.7498	0.7423	-0.0075
45	100	Biased	0.7545	0.7474	-0.0071
46	100	Unbiased	0.7566	0.7492	-0.0074
47	100	Unbiased	0.7604	0.7534	-0.007
48	100	Unbiased	0.7483	0.7415	-0.0068
49	100	Unbiased	0.7511	0.7439	-0.0072
50	100	Unbiased	0.7512	0.7439	-0.0073
51	0	Correlation	0.7468	0.7434	-0.0034
53	0	Correlation	0.7577	0.7545	-0.0032
54	0	Correlation	0.7515	0.7482	-0.0033
55	0	Correlation	0.764	0.7607	-0.0033
56	0	Correlation	0.7497	0.746	-0.0037

Test Statistics (V)

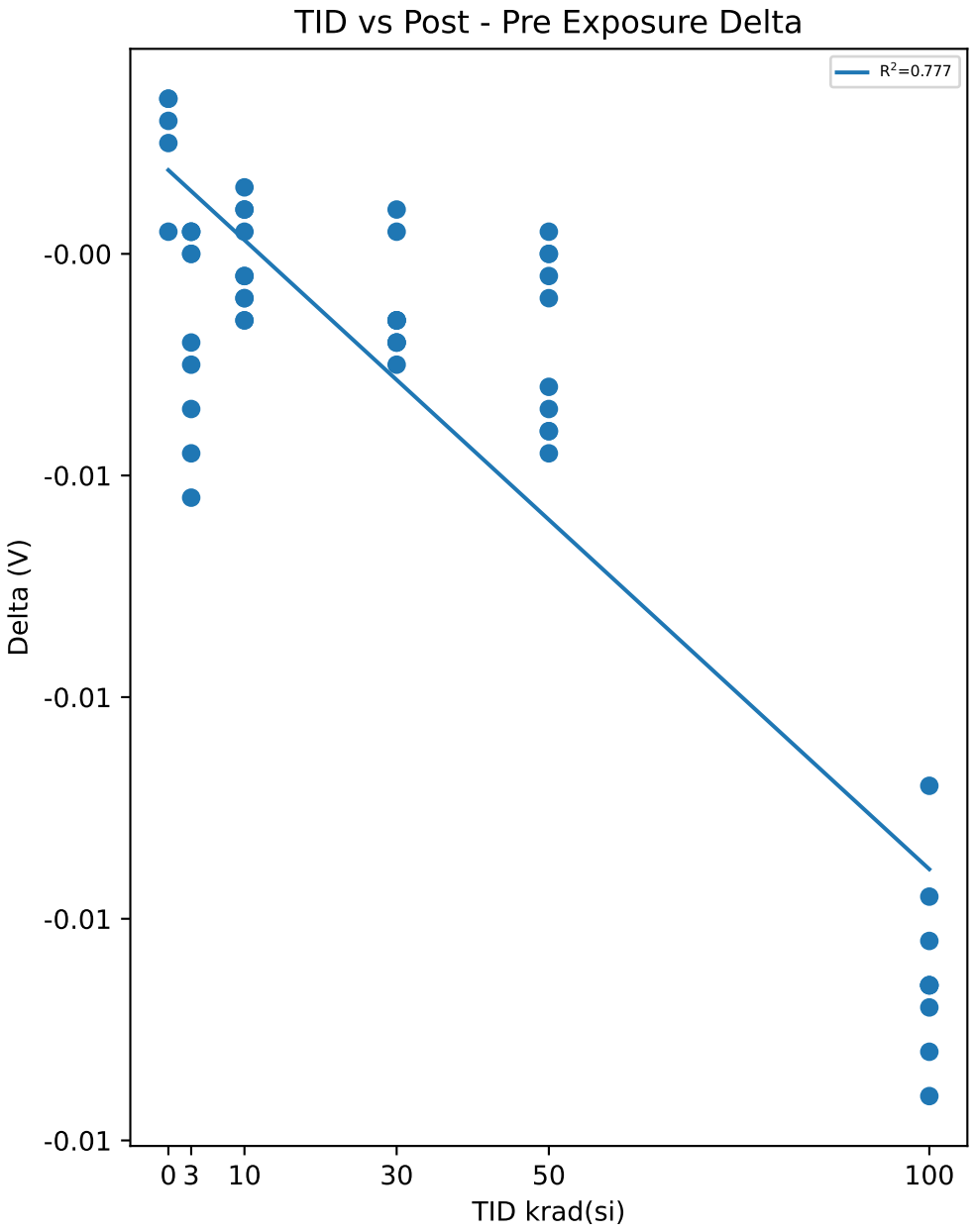
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7468	0.75394	0.764	0.0068966	0.7434	0.75056	0.7607	0.0069995	-0.0037	-0.00338	-0.0032	0.00019235
3	0.7427	0.75087	0.7625	0.0059058	0.7386	0.74663	0.7579	0.0057139	-0.005	-0.00424	-0.0038	0.00043512
10	0.7472	0.75613	0.7737	0.010473	0.7433	0.75221	0.77	0.010432	-0.0043	-0.00392	-0.0036	0.00024855
30	0.7494	0.75508	0.7643	0.00587	0.7455	0.75096	0.76	0.0057975	-0.0044	-0.00412	-0.0037	0.00022509
50	0.7435	0.75311	0.7696	0.0093351	0.7397	0.7488	0.7655	0.00932	-0.0048	-0.00431	-0.0038	0.00035418
100	0.7483	0.75497	0.7662	0.0062127	0.7415	0.7478	0.7583	0.0062059	-0.0079	-0.00717	-0.0063	0.00042701

Device Test: 6.111; VOL_PWRGD_10MA_OD



Test Results (Upper Limit = 2.0 (V))

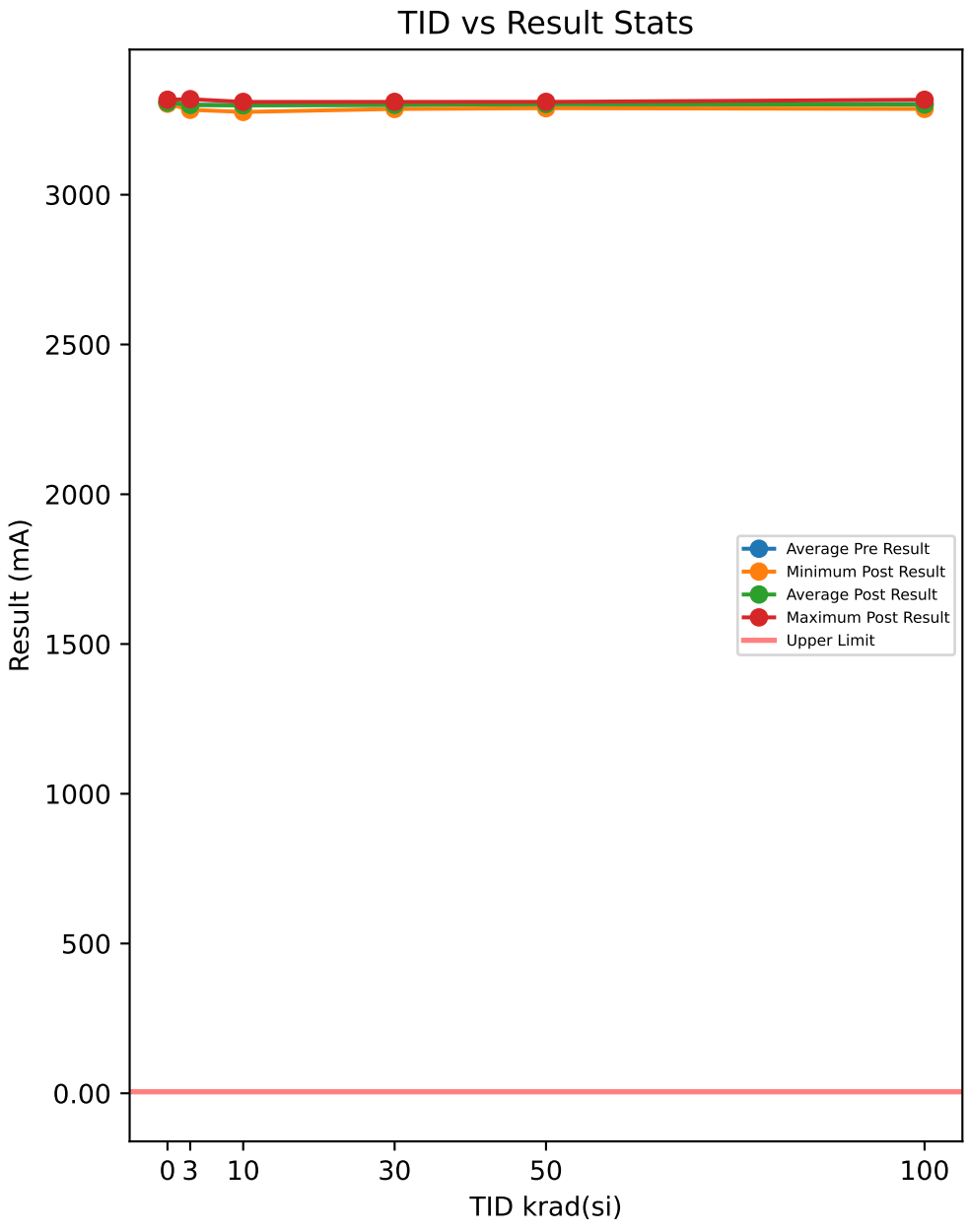
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7462	0.7411	-0.0051
2	3	Biased	0.7475	0.7428	-0.0047
3	3	Biased	0.7354	0.7305	-0.0049
4	3	Biased	0.7374	0.7329	-0.0045
5	3	Biased	0.7414	0.737	-0.0044
6	3	Unbiased	0.7409	0.7369	-0.004
7	3	Unbiased	0.7422	0.7383	-0.0039
8	3	Unbiased	0.7313	0.7273	-0.004
9	3	Unbiased	0.7325	0.7286	-0.0039
10	3	Unbiased	0.7382	0.7343	-0.0039
11	10	Biased	0.7354	0.7311	-0.0043
12	10	Biased	0.7605	0.7562	-0.0043
13	10	Biased	0.7397	0.7355	-0.0042
14	10	Biased	0.7377	0.7336	-0.0041
15	10	Biased	0.7358	0.7317	-0.0041
16	10	Unbiased	0.7358	0.7319	-0.0039
17	10	Unbiased	0.7405	0.7367	-0.0038
18	10	Unbiased	0.7544	0.7502	-0.0042
19	10	Unbiased	0.736	0.7323	-0.0037
20	10	Unbiased	0.7595	0.7557	-0.0038
21	30	Biased	0.7422	0.7378	-0.0044
22	30	Biased	0.7433	0.739	-0.0043
23	30	Biased	0.7467	0.7424	-0.0043
24	30	Biased	0.7382	0.7343	-0.0039
25	30	Biased	0.739	0.7352	-0.0038
26	30	Unbiased	0.7514	0.7471	-0.0043
27	30	Unbiased	0.7367	0.7322	-0.0045
28	30	Unbiased	0.752	0.7476	-0.0044
29	30	Unbiased	0.7421	0.7377	-0.0044
30	30	Unbiased	0.7398	0.7355	-0.0043
31	50	Biased	0.7386	0.7344	-0.0042
32	50	Biased	0.7411	0.7372	-0.0039
33	50	Biased	0.7374	0.7334	-0.004
34	50	Biased	0.7324	0.7284	-0.004
35	50	Biased	0.7568	0.7527	-0.0041
36	50	Unbiased	0.7541	0.7495	-0.0046
37	50	Unbiased	0.7343	0.7296	-0.0047
38	50	Unbiased	0.7339	0.7291	-0.0048
39	50	Unbiased	0.7415	0.7367	-0.0048
40	50	Unbiased	0.7388	0.7339	-0.0049
41	100	Biased	0.7512	0.7448	-0.0064
42	100	Biased	0.7359	0.7286	-0.0073
43	100	Biased	0.7551	0.7473	-0.0078
44	100	Biased	0.7386	0.731	-0.0076
45	100	Biased	0.7431	0.7357	-0.0074
46	100	Unbiased	0.7433	0.736	-0.0073
47	100	Unbiased	0.7507	0.7436	-0.0071
48	100	Unbiased	0.7354	0.7285	-0.0069
49	100	Unbiased	0.7389	0.7316	-0.0073
50	100	Unbiased	0.7388	0.7315	-0.0073
51	0	Correlation	0.7351	0.7316	-0.0035
53	0	Correlation	0.7422	0.7389	-0.0033
54	0	Correlation	0.7399	0.7366	-0.0033
55	0	Correlation	0.7495	0.7461	-0.0034
56	0	Correlation	0.739	0.7351	-0.0039

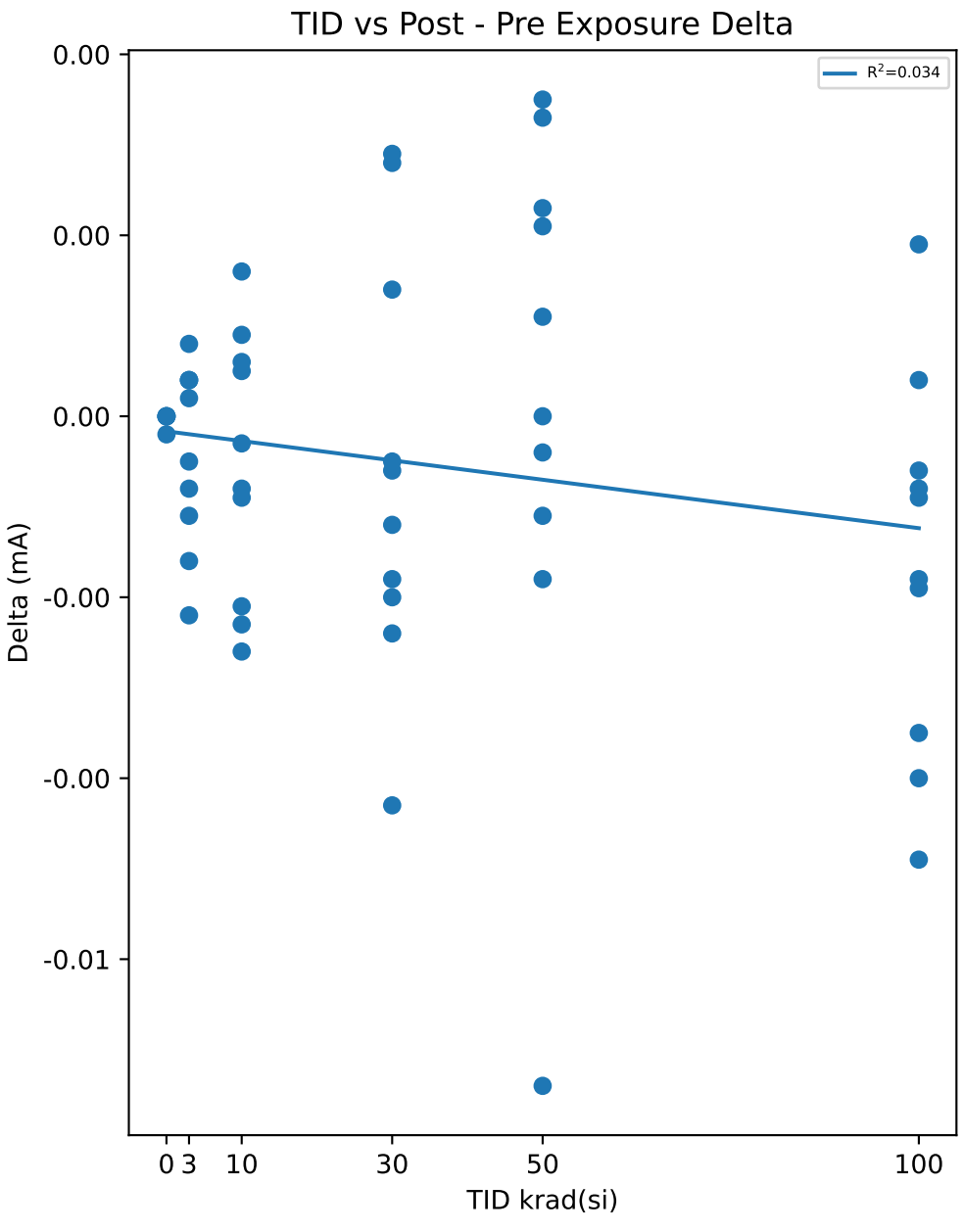


Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7351	0.74114	0.7495	0.0053294	0.7316	0.73766	0.7461	0.0054123	-0.0039	-0.00348	-0.0033	0.000249
3	0.7313	0.7393	0.7475	0.00538	0.7273	0.73497	0.7428	0.0051848	-0.0051	-0.00433	-0.0039	0.00045473
10	0.7354	0.74353	0.7605	0.010335	0.7311	0.73949	0.7562	0.010304	-0.0043	-0.00404	-0.0037	0.00022211
30	0.7367	0.74314	0.752	0.0053288	0.7322	0.73888	0.7476	0.0052613	-0.0045	-0.00426	-0.0038	0.00022706
50	0.7324	0.74089	0.7568	0.0082611	0.7284	0.73649	0.7527	0.0083048	-0.0049	-0.0044	-0.0039	0.00039441
100	0.7354	0.7431	0.7551	0.0069516	0.7285	0.73586	0.7473	0.0069794	-0.0078	-0.00724	-0.0064	0.00038355

Device Test: 6.12; VLDO_I_MAX





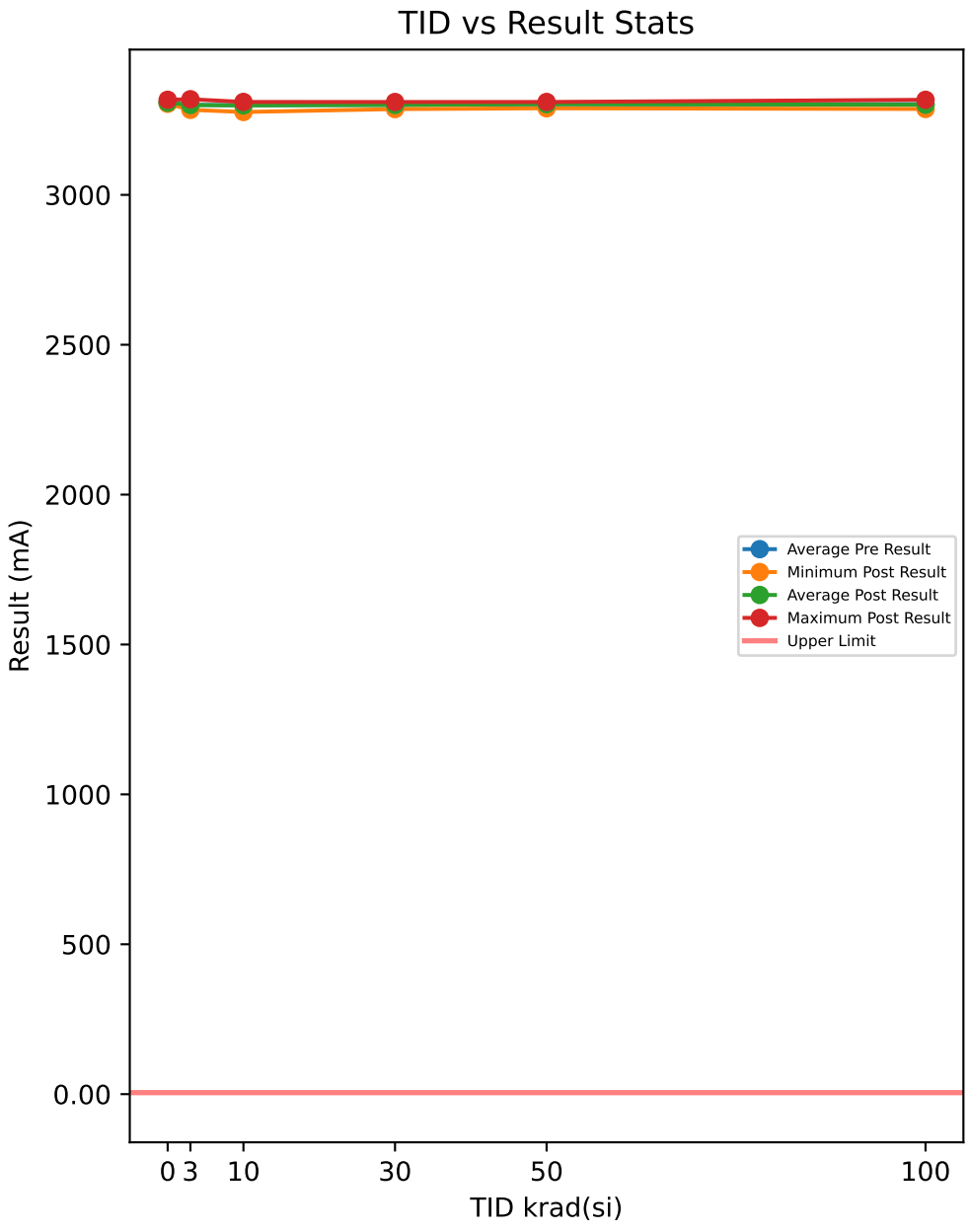
Test Results (Upper Limit = 5.0 (mA))

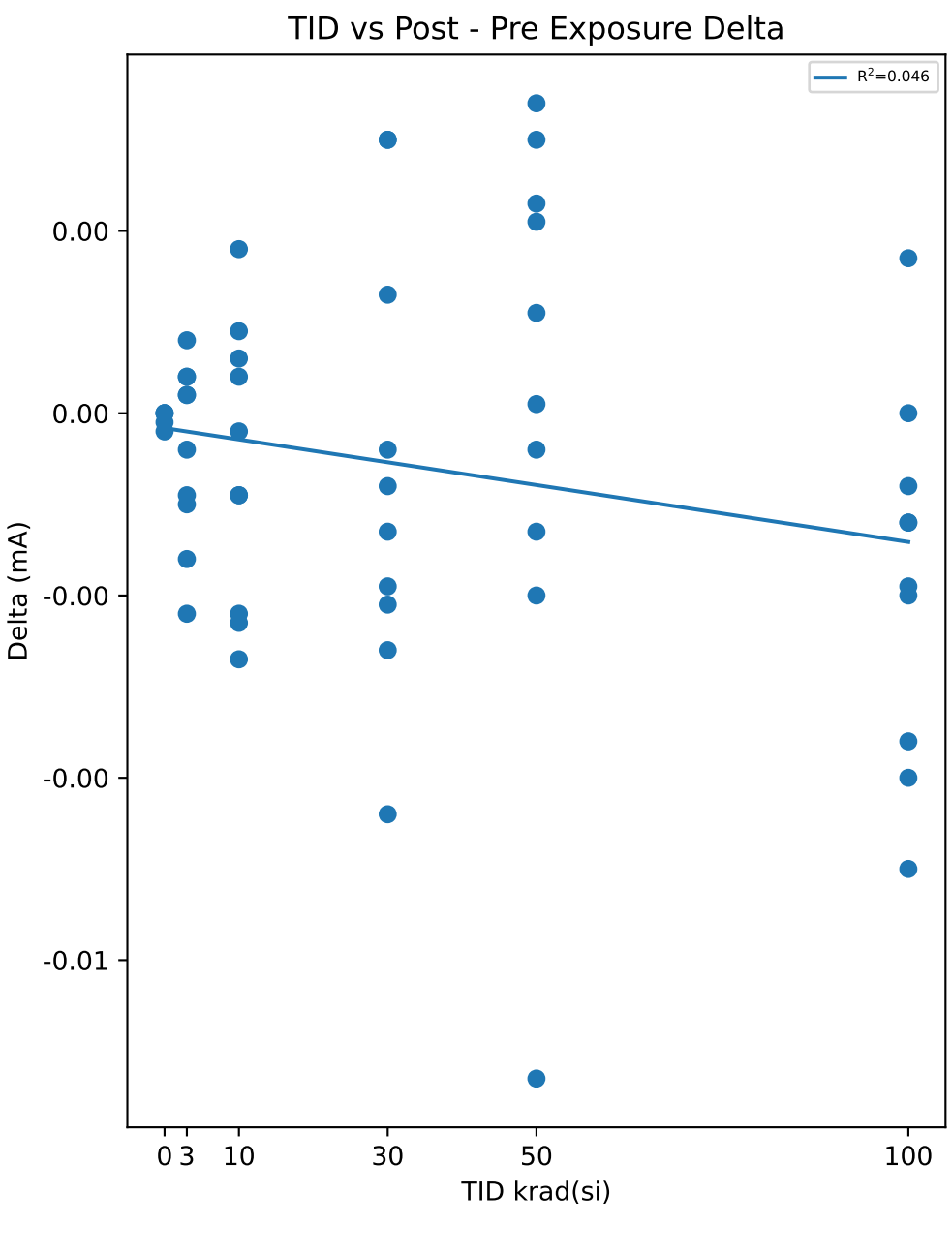
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	3298.8	3297.2	-0.0016
2	3	Biased	3299.6	3298.5	-0.0011
3	3	Biased	3302.2	3303	0.0008
4	3	Biased	3292	3291.2	-0.0008
5	3	Biased	3301.9	3301.4	-0.0005
6	3	Unbiased	3305.6	3306	0.0004
7	3	Unbiased	3303.3	3303.5	0.0002
8	3	Unbiased	3285.8	3283.6	-0.0022
9	3	Unbiased	3318.7	3319.1	0.0004
10	3	Unbiased	3294.7	3295.1	0.0004
11	10	Biased	3298.2	3299.8	0.0016
12	10	Biased	3280.8	3281.4	0.0006
13	10	Biased	3302.5	3301.6	-0.0009
14	10	Biased	3305.6	3303.5	-0.0021
15	10	Biased	3307.1	3306.3	-0.0008
16	10	Unbiased	3278.8	3276.5	-0.0023
17	10	Unbiased	3303.5	3303.2	-0.0003
18	10	Unbiased	3308.3	3309.2	0.0009
19	10	Unbiased	3296.2	3293.6	-0.0026
20	10	Unbiased	3309.4	3309.9	0.0005
21	30	Biased	3307.1	3308.5	0.0014
22	30	Biased	3308.5	3307.9	-0.0006
23	30	Biased	3286.1	3289	0.0029
24	30	Biased	3299.5	3298.3	-0.0012
25	30	Biased	3312.4	3310	-0.0024
26	30	Unbiased	3302.8	3298.5	-0.0043
27	30	Unbiased	3288.2	3286.4	-0.0018
28	30	Unbiased	3299.1	3297.1	-0.002
29	30	Unbiased	3297.2	3296.7	-0.0005
30	30	Unbiased	3304.5	3307.3	0.0028
31	50	Biased	3299.2	3300.3	0.0011
32	50	Biased	3290.1	3289	-0.0011
33	50	Biased	3310.8	3309	-0.0018
34	50	Biased	3313.5	3306.1	-0.0074
35	50	Biased	3309	3309	0
36	50	Unbiased	3293.7	3295.8	0.0021
37	50	Unbiased	3306.8	3310.1	0.0033
38	50	Unbiased	3296.9	3300.4	0.0035
39	50	Unbiased	3300.1	3302.4	0.0023
40	50	Unbiased	3305.5	3305.1	-0.0004
41	100	Biased	3291.5	3286.6	-0.0049
42	100	Biased	3293.7	3295.6	0.0019
43	100	Biased	3291.7	3291.1	-0.0006
44	100	Biased	3310.6	3311	0.0004
45	100	Biased	3305.4	3304.5	-0.0009
46	100	Unbiased	3303	3301.2	-0.0018
47	100	Unbiased	3314.3	3313.5	-0.0008
48	100	Unbiased	3295.1	3291.6	-0.0035
49	100	Unbiased	3319	3317.1	-0.0019
50	100	Unbiased	3300.4	3296.4	-0.004
51	0	Correlation	3317.4	3317.2	-0.0002
53	0	Correlation	3304.3	3304.3	0
54	0	Correlation	3304.5	3304.5	0
55	0	Correlation	3308.9	3308.9	0
56	0	Correlation	3304	3304	0

Test Statistics (mA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3304	3307.8	3317.4	5.7216	3304	3307.8	3317.2	5.638	-0.0002	-4e-05	0	8.9443e-05
3	3285.8	3300.3	3318.7	8.7879	3283.6	3299.9	3319.1	9.4535	-0.0022	-0.0004	0.0008	0.0010033
10	3278.8	3299	3309.4	10.975	3276.5	3298.5	3309.9	11.373	-0.0026	-0.00054	0.0016	0.0014554
30	3286.1	3300.5	3312.4	8.4521	3286.4	3300	3310	8.2888	-0.0043	-0.00057	0.0029	0.0023214
50	3290.1	3302.6	3313.5	7.7374	3289	3302.7	3310.1	6.6491	-0.0074	0.00016	0.0035	0.0032174
100	3291.5	3302.5	3319	9.7753	3286.6	3300.9	3317.1	10.39	-0.0049	-0.00161	0.0019	0.0020755

Device Test: 6.13; VLDO_I_MAX





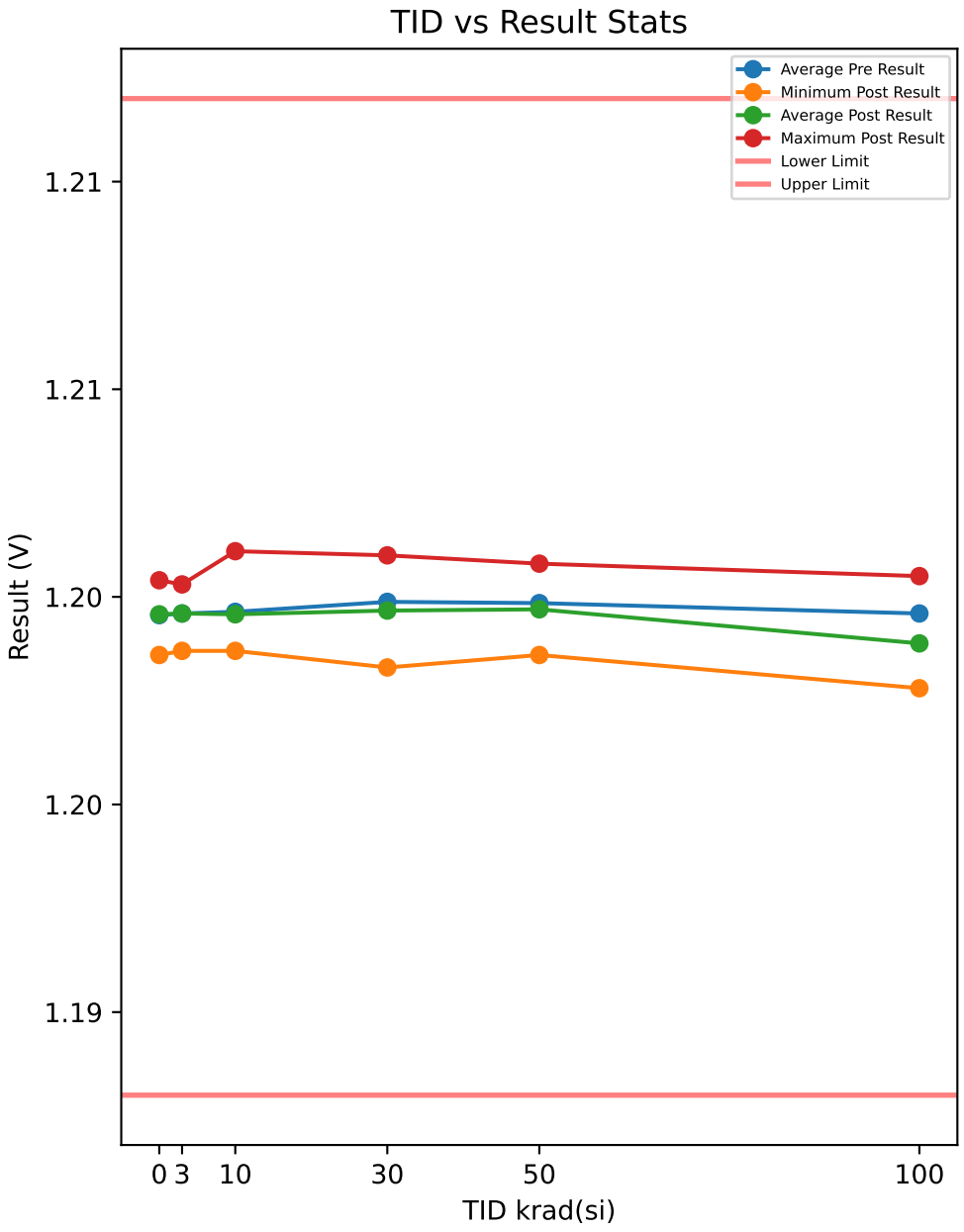
Test Results (Upper Limit = 5.0 (mA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	3298.8	3297.2	-0.0016
2	3	Biased	3299.5	3298.5	-0.001
3	3	Biased	3302.2	3303	0.0008
4	3	Biased	3292.1	3291.2	-0.0009
5	3	Biased	3301.8	3301.4	-0.0004
6	3	Unbiased	3305.7	3305.9	0.0002
7	3	Unbiased	3303.3	3303.5	0.0002
8	3	Unbiased	3285.9	3283.7	-0.0022
9	3	Unbiased	3318.6	3319	0.0004
10	3	Unbiased	3294.7	3295.1	0.0004
11	10	Biased	3298.2	3300	0.0018
12	10	Biased	3280.9	3281.3	0.0004
13	10	Biased	3302.5	3301.6	-0.0009
14	10	Biased	3305.6	3303.4	-0.0022
15	10	Biased	3307.1	3306.2	-0.0009
16	10	Unbiased	3278.8	3276.5	-0.0023
17	10	Unbiased	3303.5	3303.3	-0.0002
18	10	Unbiased	3308.3	3309.2	0.0009
19	10	Unbiased	3296.3	3293.6	-0.0027
20	10	Unbiased	3309.4	3310	0.0006
21	30	Biased	3307.1	3308.4	0.0013
22	30	Biased	3308.6	3307.8	-0.0008
23	30	Biased	3286.1	3289.1	0.003
24	30	Biased	3299.5	3298.2	-0.0013
25	30	Biased	3312.4	3309.8	-0.0026
26	30	Unbiased	3302.8	3298.4	-0.0044
27	30	Unbiased	3288.1	3286.2	-0.0019
28	30	Unbiased	3299.2	3297.1	-0.0021
29	30	Unbiased	3297.2	3296.8	-0.0004
30	30	Unbiased	3304.4	3307.4	0.003
31	50	Biased	3299.2	3300.3	0.0011
32	50	Biased	3290.2	3288.9	-0.0013
33	50	Biased	3310.8	3308.8	-0.002
34	50	Biased	3313.5	3306.2	-0.0073
35	50	Biased	3308.9	3309	0.0001
36	50	Unbiased	3293.7	3295.8	0.0021
37	50	Unbiased	3306.9	3309.9	0.003
38	50	Unbiased	3296.9	3300.3	0.0034
39	50	Unbiased	3300.1	3302.4	0.0023
40	50	Unbiased	3305.5	3305.1	-0.0004
41	100	Biased	3291.6	3286.6	-0.005
42	100	Biased	3293.7	3295.4	0.0017
43	100	Biased	3291.7	3290.9	-0.0008
44	100	Biased	3310.6	3310.6	0
45	100	Biased	3305.5	3304.3	-0.0012
46	100	Unbiased	3303	3301.1	-0.0019
47	100	Unbiased	3314.3	3313.1	-0.0012
48	100	Unbiased	3295.1	3291.5	-0.0036
49	100	Unbiased	3319.1	3317.1	-0.002
50	100	Unbiased	3300.4	3296.4	-0.004
51	0	Correlation	3317.4	3317.2	-0.0002
53	0	Correlation	3304.3	3304.2	-0.0001
54	0	Correlation	3304.5	3304.5	0
55	0	Correlation	3308.8	3308.8	0
56	0	Correlation	3304	3304	0

Test Statistics (mA)

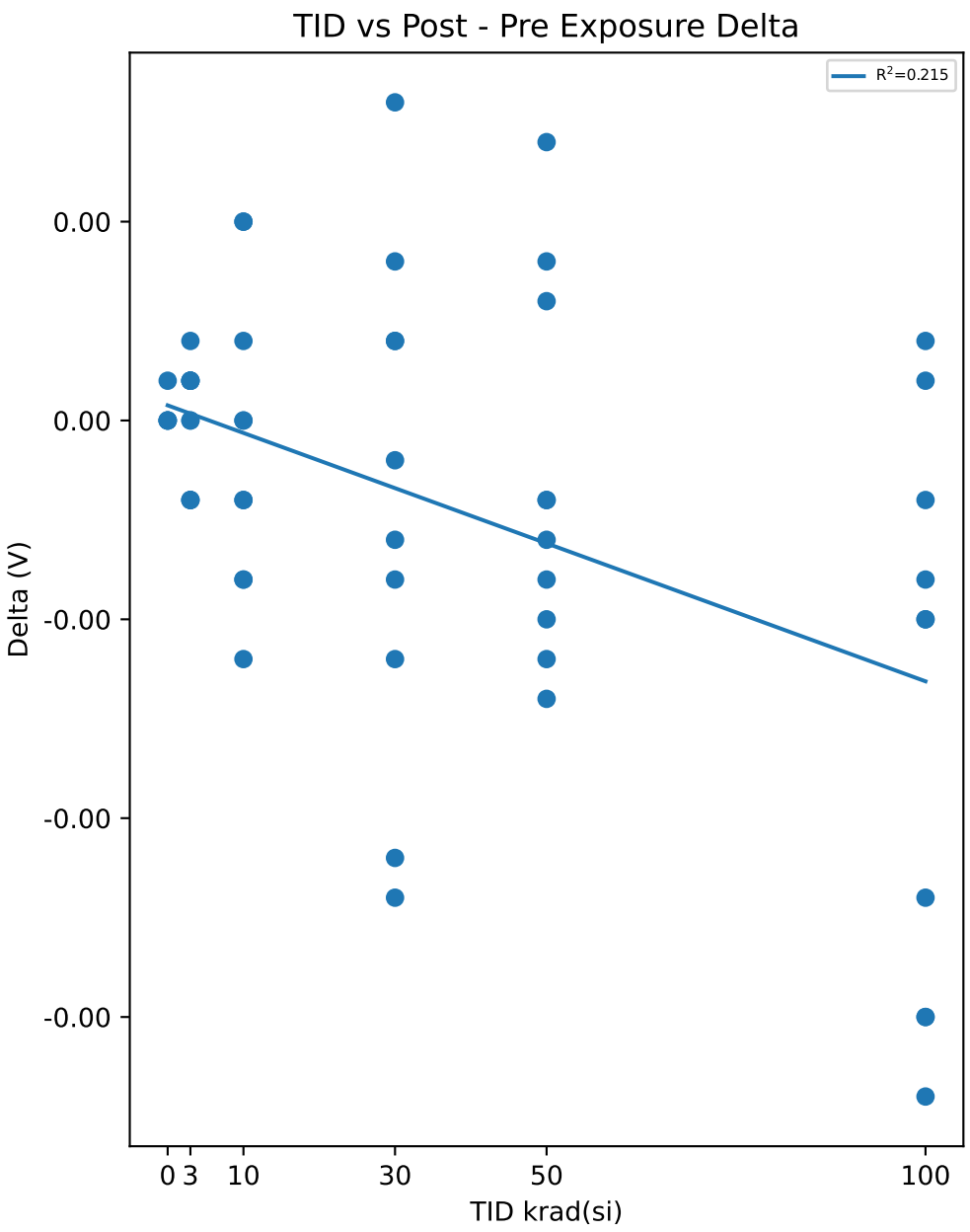
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	3304	3307.8	3317.4	5.7171	3304	3307.7	3317.2	5.6487	-0.0002	-6e-05	0	8.9443e-05
3	3285.9	3300.3	3318.6	8.7416	3283.7	3299.8	3319	9.4046	-0.0022	-0.00041	0.0008	0.00098483
10	3278.8	3299.1	3309.4	10.954	3276.5	3298.5	3310	11.396	-0.0027	-0.00055	0.0018	0.0015138
30	3286.1	3300.5	3312.4	8.4719	3286.2	3299.9	3309.8	8.272	-0.0044	-0.00062	0.003	0.0024147
50	3290.2	3302.6	3313.5	7.7165	3288.9	3302.7	3309.9	6.6366	-0.0073	0.0001	0.0034	0.0031714
100	3291.6	3302.5	3319.1	9.785	3286.6	3300.7	3317.1	10.328	-0.005	-0.0018	0.0017	0.0019883

Device Test: 6.14; REFCAP



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

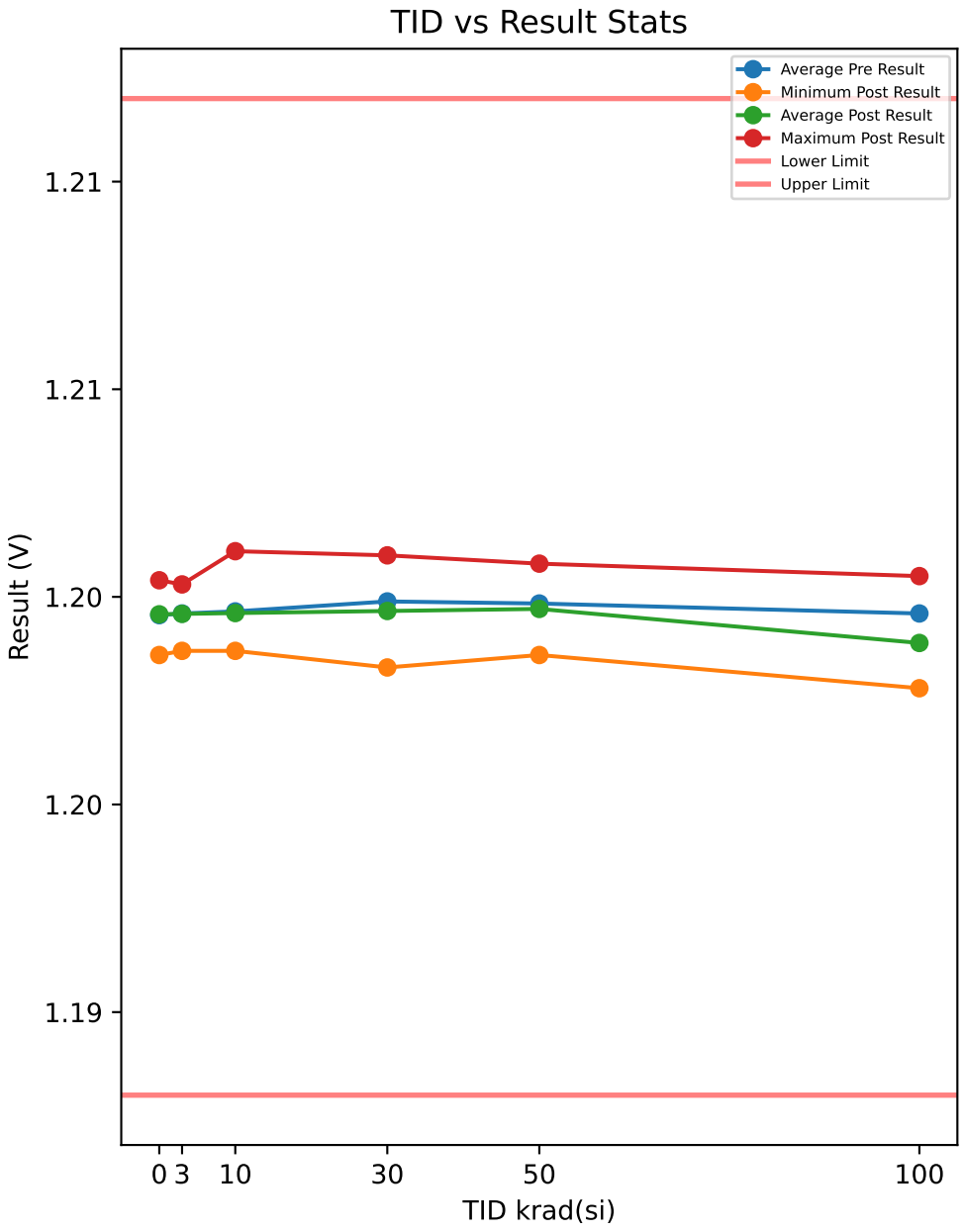
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.1998	1.1996	-0.0002
2	3	Biased	1.2002	1.2002	0
3	3	Biased	1.1999	1.2	0.0001
4	3	Biased	1.1995	1.1996	0.0001
5	3	Biased	1.1999	1.1999	0
6	3	Unbiased	1.1991	1.1992	0.0001
7	3	Unbiased	1.2001	1.2003	0.0002
8	3	Unbiased	1.1988	1.1989	0.0001
9	3	Unbiased	1.1998	1.1996	-0.0002
10	3	Unbiased	1.1989	1.1987	-0.0002
11	10	Biased	1.1991	1.1991	0
12	10	Biased	1.1996	1.1994	-0.0002
13	10	Biased	1.2	1.2002	0.0002
14	10	Biased	1.1991	1.1987	-0.0004
15	10	Biased	1.2001	1.1997	-0.0004
16	10	Unbiased	1.1991	1.1989	-0.0002
17	10	Unbiased	1.1999	1.1999	0
18	10	Unbiased	1.2006	1.2011	0.0005
19	10	Unbiased	1.2001	1.1995	-0.0006
20	10	Unbiased	1.1988	1.1993	0.0005
21	30	Biased	1.2008	1.2007	-0.0001
22	30	Biased	1.2008	1.201	0.0002
23	30	Biased	1.1993	1.2001	0.0008
24	30	Biased	1.2001	1.1998	-0.0003
25	30	Biased	1.2003	1.1997	-0.0006
26	30	Unbiased	1.2003	1.1992	-0.0011
27	30	Unbiased	1.1997	1.1985	-0.0012
28	30	Unbiased	1.1987	1.1983	-0.0004
29	30	Unbiased	1.2001	1.2005	0.0004
30	30	Unbiased	1.1987	1.1989	0.0002
31	50	Biased	1.2002	1.1996	-0.0006
32	50	Biased	1.2006	1.2003	-0.0003
33	50	Biased	1.2003	1.1999	-0.0004
34	50	Biased	1.2004	1.1997	-0.0007
35	50	Biased	1.1998	1.1996	-0.0002
36	50	Unbiased	1.2005	1.2008	0.0003
37	50	Unbiased	1.1988	1.1995	0.0007
38	50	Unbiased	1.2	1.2004	0.0004
39	50	Unbiased	1.1991	1.1986	-0.0005
40	50	Unbiased	1.1988	1.1986	-0.0002
41	100	Biased	1.1993	1.1978	-0.0015
42	100	Biased	1.1999	1.1982	-0.0017
43	100	Biased	1.1994	1.1989	-0.0005
44	100	Biased	1.1993	1.1978	-0.0015
45	100	Biased	1.1988	1.1983	-0.0005
46	100	Unbiased	1.2	1.1996	-0.0004
47	100	Unbiased	1.2	1.1998	-0.0002
48	100	Unbiased	1.2004	1.2005	0.0001
49	100	Unbiased	1.199	1.1992	0.0002
50	100	Unbiased	1.1999	1.1987	-0.0012
51	0	Correlation	1.2004	1.2004	0
53	0	Correlation	1.2002	1.2003	0.0001
54	0	Correlation	1.1999	1.1999	0
55	0	Correlation	1.1987	1.1987	0
56	0	Correlation	1.1986	1.1986	0

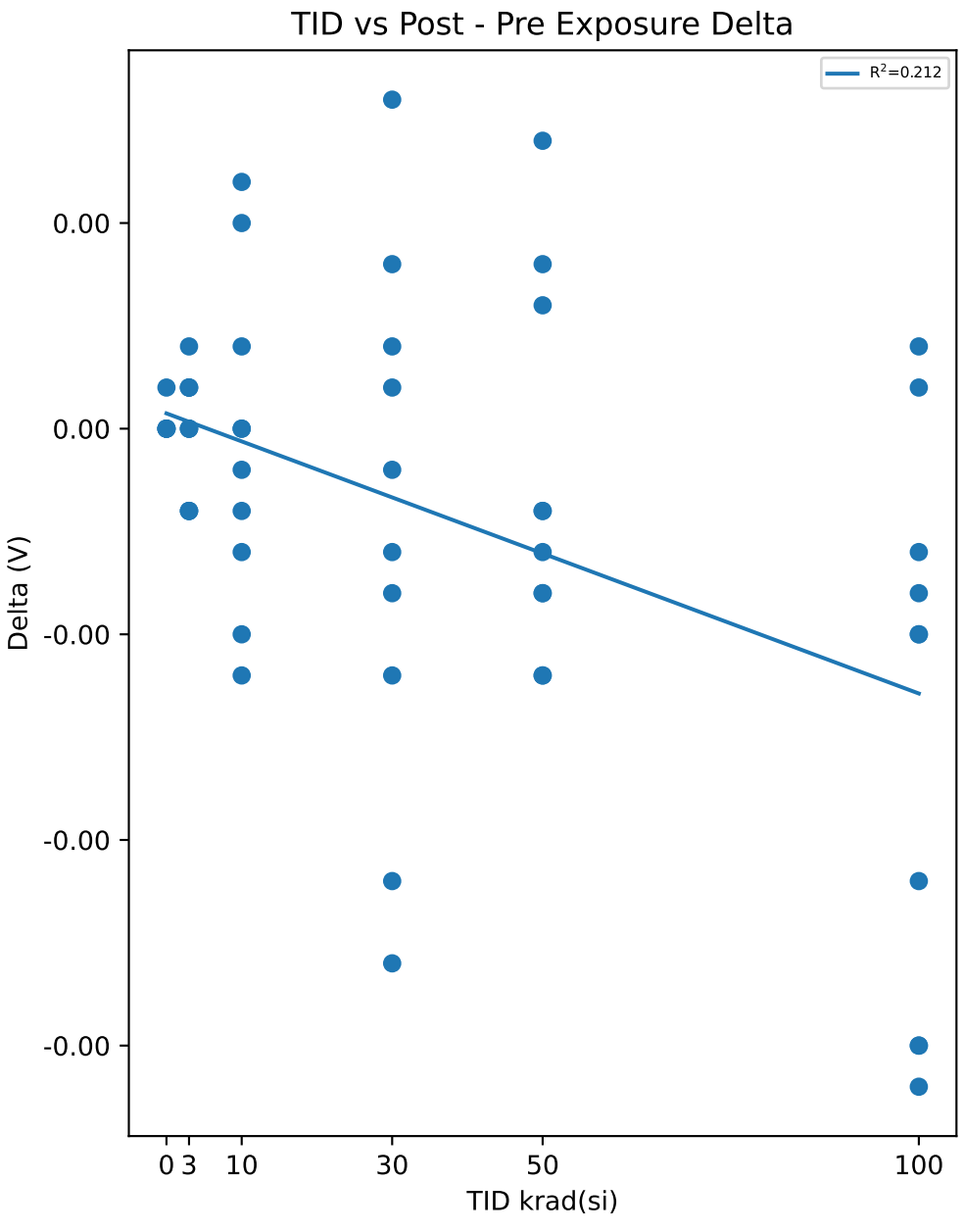


Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.1986	1.1996	1.2004	0.00085029	1.1986	1.1996	1.2004	0.00087006	0	2e-05	0.0001	4.4721e-05
3	1.1988	1.1996	1.2002	0.00050111	1.1987	1.1996	1.2003	0.00053333	-0.0002	0	0.0002	0.00014907
10	1.1988	1.1996	1.2006	0.00058916	1.1987	1.1996	1.2011	0.00069889	-0.0006	-6e-05	0.0005	0.00037476
30	1.1987	1.1999	1.2008	0.0007671	1.1983	1.1997	1.201	0.00092981	-0.0012	-0.00021	0.0008	0.00064196
50	1.1988	1.1999	1.2006	0.0006996	1.1986	1.1997	1.2008	0.00071336	-0.0007	-0.00015	0.0007	0.00046488
100	1.1988	1.1996	1.2004	0.00051208	1.1978	1.1989	1.2005	0.0008979	-0.0017	-0.00072	0.0002	0.00069889

Device Test: 6.15; REFCAP





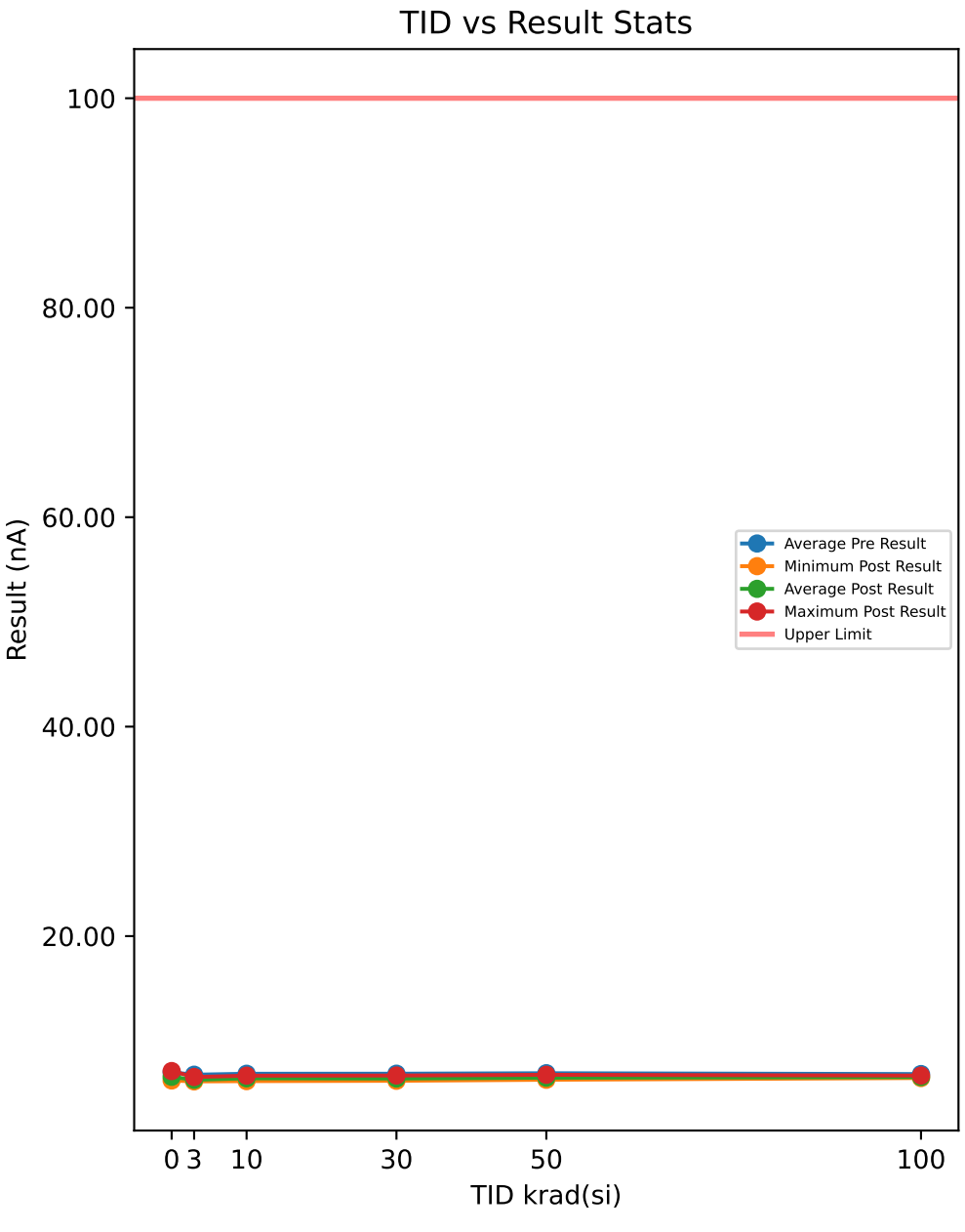
Test Results (Lower Limit = 1.188, Upper Limit = 1.212 (V))

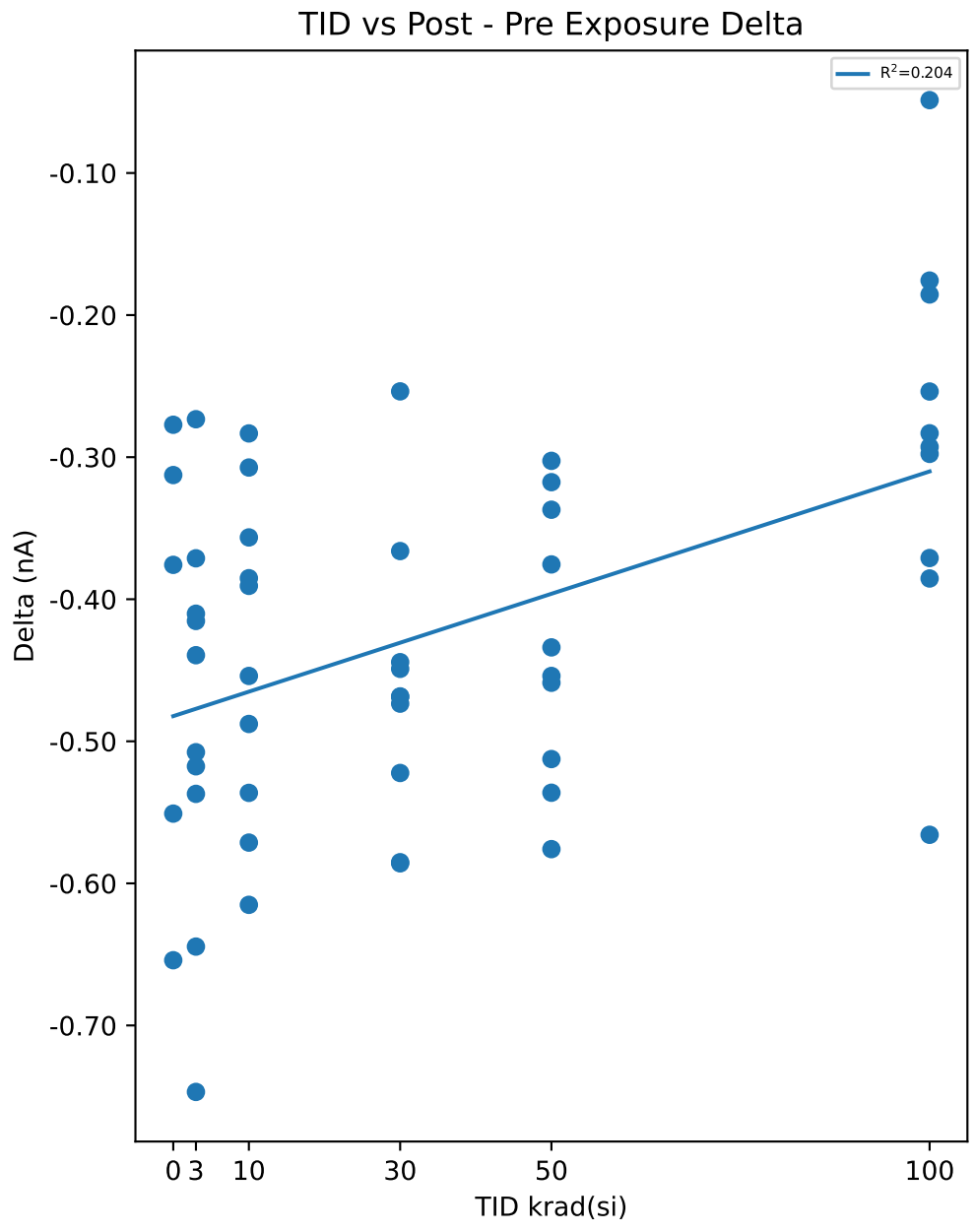
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.1998	1.1996	-0.0002
2	3	Biased	1.2002	1.2002	0
3	3	Biased	1.1999	1.2	0.0001
4	3	Biased	1.1995	1.1996	0.0001
5	3	Biased	1.1998	1.1998	0
6	3	Unbiased	1.1992	1.1992	0
7	3	Unbiased	1.2001	1.2003	0.0002
8	3	Unbiased	1.1988	1.1989	0.0001
9	3	Unbiased	1.1998	1.1996	-0.0002
10	3	Unbiased	1.1989	1.1987	-0.0002
11	10	Biased	1.1991	1.1991	0
12	10	Biased	1.1996	1.1994	-0.0002
13	10	Biased	1.2	1.2002	0.0002
14	10	Biased	1.1992	1.1987	-0.0005
15	10	Biased	1.2001	1.1998	-0.0003
16	10	Unbiased	1.1991	1.199	-0.0001
17	10	Unbiased	1.1999	1.1999	0
18	10	Unbiased	1.2006	1.2011	0.0005
19	10	Unbiased	1.2001	1.1995	-0.0006
20	10	Unbiased	1.1988	1.1994	0.0006
21	30	Biased	1.2008	1.2007	-0.0001
22	30	Biased	1.2008	1.201	0.0002
23	30	Biased	1.1993	1.2001	0.0008
24	30	Biased	1.2001	1.1998	-0.0003
25	30	Biased	1.2003	1.1997	-0.0006
26	30	Unbiased	1.2003	1.1992	-0.0011
27	30	Unbiased	1.1997	1.1984	-0.0013
28	30	Unbiased	1.1987	1.1983	-0.0004
29	30	Unbiased	1.2001	1.2005	0.0004
30	30	Unbiased	1.1988	1.1989	0.0001
31	50	Biased	1.2002	1.1996	-0.0006
32	50	Biased	1.2006	1.2003	-0.0003
33	50	Biased	1.2003	1.1999	-0.0004
34	50	Biased	1.2004	1.1998	-0.0006
35	50	Biased	1.1998	1.1996	-0.0002
36	50	Unbiased	1.2005	1.2008	0.0003
37	50	Unbiased	1.1988	1.1995	0.0007
38	50	Unbiased	1.2	1.2004	0.0004
39	50	Unbiased	1.199	1.1986	-0.0004
40	50	Unbiased	1.1988	1.1986	-0.0002
41	100	Biased	1.1993	1.1978	-0.0015
42	100	Biased	1.1999	1.1983	-0.0016
43	100	Biased	1.1994	1.1989	-0.0005
44	100	Biased	1.1993	1.1978	-0.0015
45	100	Biased	1.1988	1.1983	-0.0005
46	100	Unbiased	1.2	1.1996	-0.0004
47	100	Unbiased	1.2	1.1997	-0.0003
48	100	Unbiased	1.2004	1.2005	0.0001
49	100	Unbiased	1.199	1.1992	0.0002
50	100	Unbiased	1.1999	1.1988	-0.0011
51	0	Correlation	1.2004	1.2004	0
53	0	Correlation	1.2002	1.2003	0.0001
54	0	Correlation	1.1999	1.1999	0
55	0	Correlation	1.1987	1.1987	0
56	0	Correlation	1.1986	1.1986	0

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.1986	1.1996	1.2004	0.00085029	1.1986	1.1996	1.2004	0.00087006	0	2e-05	0.0001	4.4721e-05
3	1.1988	1.1996	1.2002	0.00048534	1.1987	1.1996	1.2003	0.00052799	-0.0002	-1e-05	0.0002	0.00014491
10	1.1988	1.1996	1.2006	0.00057975	1.1987	1.1996	1.2011	0.0006871	-0.0006	-4e-05	0.0006	0.00039215
30	1.1987	1.1999	1.2008	0.00075048	1.1983	1.1997	1.201	0.00094422	-0.0013	-0.00023	0.0008	0.00065328
50	1.1988	1.1998	1.2006	0.00071212	1.1986	1.1997	1.2008	0.00071407	-0.0006	-0.00013	0.0007	0.00044485
100	1.1988	1.1996	1.2004	0.00051208	1.1978	1.1989	1.2005	0.00087743	-0.0016	-0.00071	0.0002	0.00066908

Device Test: 6.16; ILKG_SR_UVLO





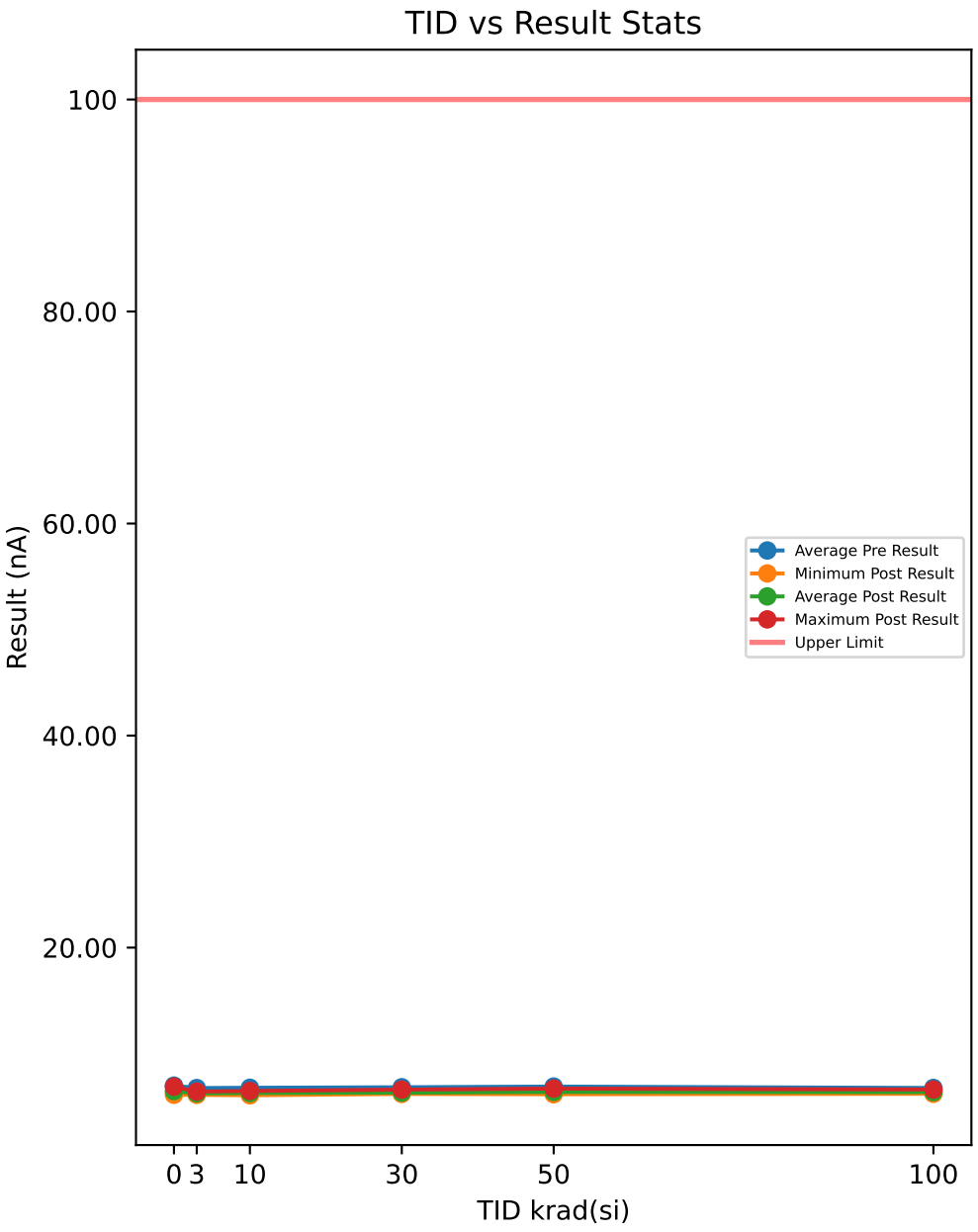
Test Results (Upper Limit = 100.0 (nA))

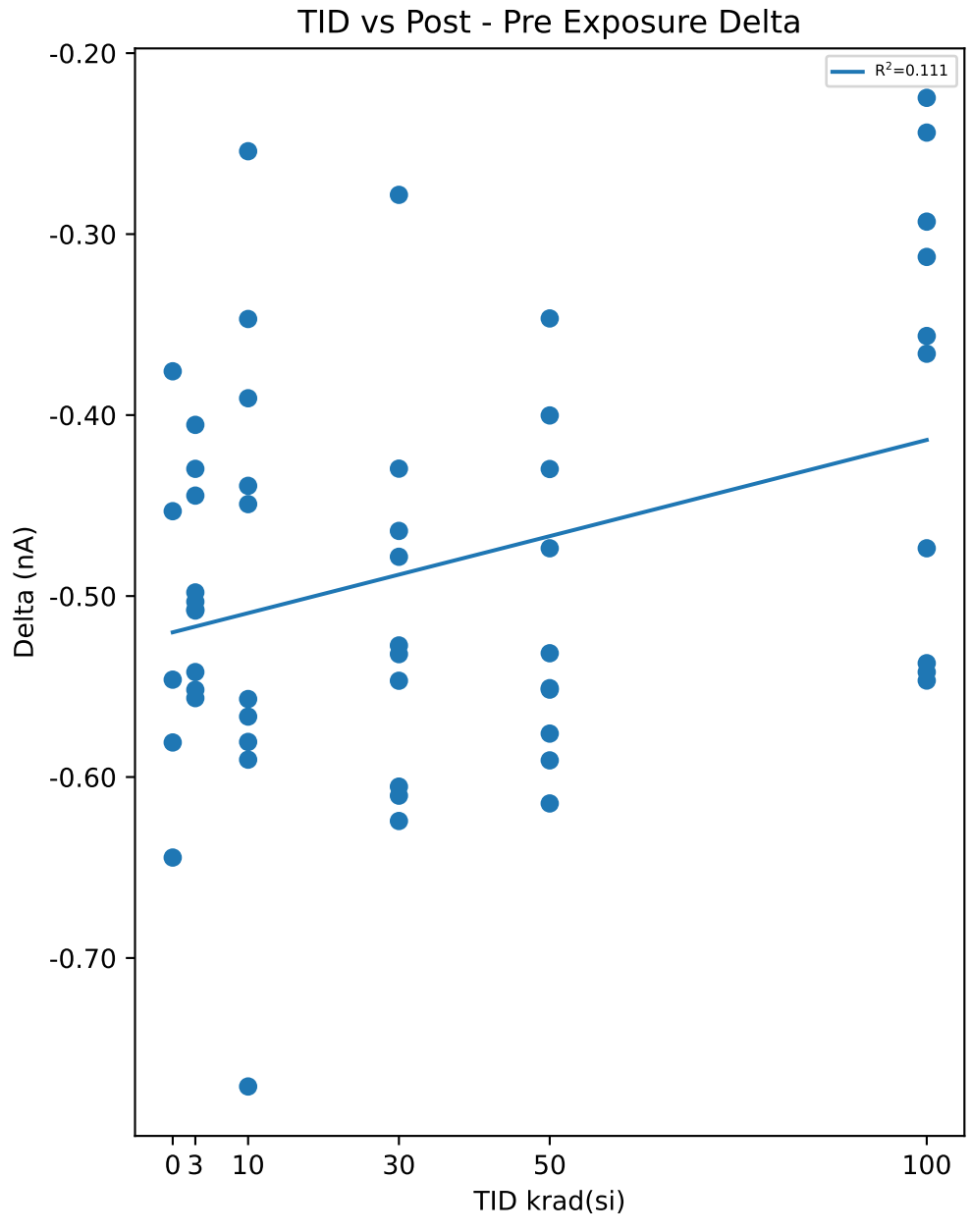
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	6.7553	6.3159	-0.4394
2	3	Biased	6.7407	6.2231	-0.5176
3	3	Biased	6.5896	6.1743	-0.4153
4	3	Biased	6.8236	6.3159	-0.5077
5	3	Biased	6.7505	6.3403	-0.4102
6	3	Unbiased	6.7748	6.1303	-0.6445
7	3	Unbiased	6.8236	6.5503	-0.2733
8	3	Unbiased	6.6871	6.3159	-0.3712
9	3	Unbiased	6.7943	6.2573	-0.537
10	3	Unbiased	6.9406	6.1938	-0.7468
11	10	Biased	7.0137	6.6285	-0.3852
12	10	Biased	6.7066	6.4233	-0.2833
13	10	Biased	6.7407	6.3501	-0.3906
14	10	Biased	6.6822	6.3257	-0.3565
15	10	Biased	6.8138	6.1987	-0.6151
16	10	Unbiased	6.7748	6.3208	-0.454
17	10	Unbiased	7.2136	6.6773	-0.5363
18	10	Unbiased	7.043	6.5552	-0.4878
19	10	Unbiased	6.8772	6.5699	-0.3073
20	10	Unbiased	6.7261	6.1548	-0.5713
21	30	Biased	6.8772	6.4282	-0.449
22	30	Biased	6.7553	6.2866	-0.4687
23	30	Biased	6.7992	6.4331	-0.3661
24	30	Biased	6.7748	6.1889	-0.5859
25	30	Biased	6.965	6.4966	-0.4684
26	30	Unbiased	6.7651	6.3208	-0.4443
27	30	Unbiased	6.8333	6.311	-0.5223
28	30	Unbiased	6.7943	6.5406	-0.2537
29	30	Unbiased	7.277	6.6919	-0.5851
30	30	Unbiased	6.7992	6.3257	-0.4735
31	50	Biased	7.2965	6.7603	-0.5362
32	50	Biased	6.7115	6.3745	-0.337
33	50	Biased	6.7846	6.3306	-0.454
34	50	Biased	7.1649	6.731	-0.4339
35	50	Biased	6.6042	6.2866	-0.3176
36	50	Unbiased	7.0284	6.6529	-0.3755
37	50	Unbiased	6.887	6.4282	-0.4588
38	50	Unbiased	6.8285	6.5259	-0.3026
39	50	Unbiased	6.887	6.3745	-0.5125
40	50	Unbiased	6.9016	6.3257	-0.5759
41	100	Biased	6.8041	6.5503	-0.2538
42	100	Biased	6.9211	6.5357	-0.3854
43	100	Biased	6.7358	6.6871	-0.0487
44	100	Biased	6.8382	6.5454	-0.2928
45	100	Biased	6.8041	6.5064	-0.2977
46	100	Unbiased	6.7505	6.4673	-0.2832
47	100	Unbiased	6.77	6.5845	-0.1855
48	100	Unbiased	6.8236	6.4526	-0.371
49	100	Unbiased	7.0917	6.5259	-0.5658
50	100	Unbiased	6.7602	6.5845	-0.1757
51	0	Correlation	7.394	7.1168	-0.2772
53	0	Correlation	7.2575	6.7066	-0.5509
54	0	Correlation	6.6383	6.3257	-0.3126
55	0	Correlation	6.8382	6.4624	-0.3758
56	0	Correlation	6.8723	6.2182	-0.6541

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	6.6383	7.0001	7.394	0.31419	6.2182	6.5659	7.1168	0.35798	-0.6541	-0.43412	-0.2772	0.16188
3	6.5896	6.768	6.9406	0.092072	6.1303	6.2817	6.5503	0.11799	-0.7468	-0.4863	-0.2733	0.13685
10	6.6822	6.8592	7.2136	0.17611	6.1548	6.4204	6.6773	0.18054	-0.6151	-0.43874	-0.2833	0.11265
30	6.7553	6.864	7.277	0.15801	6.1889	6.4023	6.6919	0.14654	-0.5859	-0.4617	-0.2537	0.09856
50	6.6042	6.9094	7.2965	0.20677	6.2866	6.479	6.7603	0.17702	-0.5759	-0.4304	-0.3026	0.095029
100	6.7358	6.8299	7.0917	0.10641	6.4526	6.544	6.6871	0.066539	-0.5658	-0.28596	-0.0487	0.13952

Device Test: 6.17; ILKG_SR_UVLO





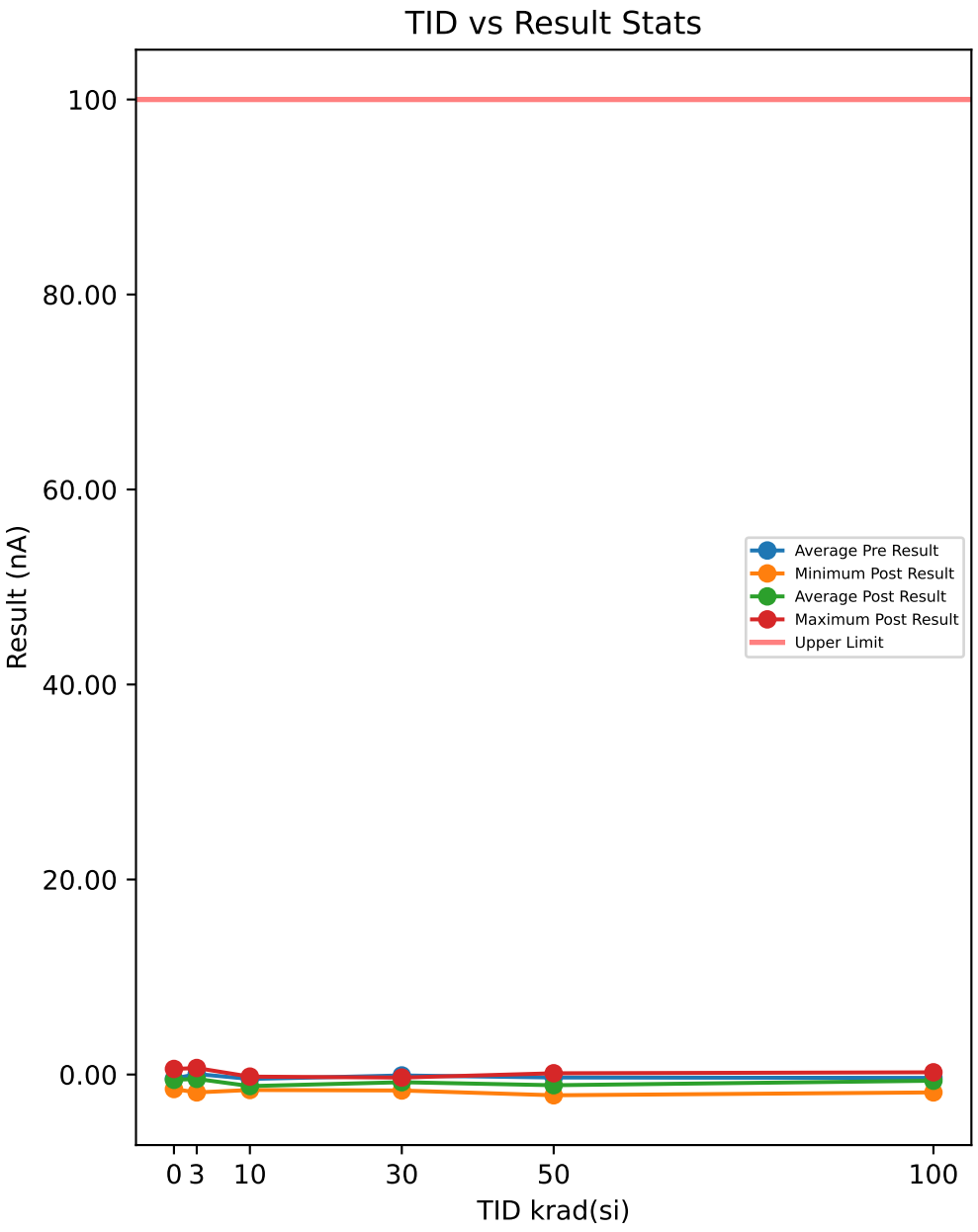
Test Results (Upper Limit = 100.0 (nA))

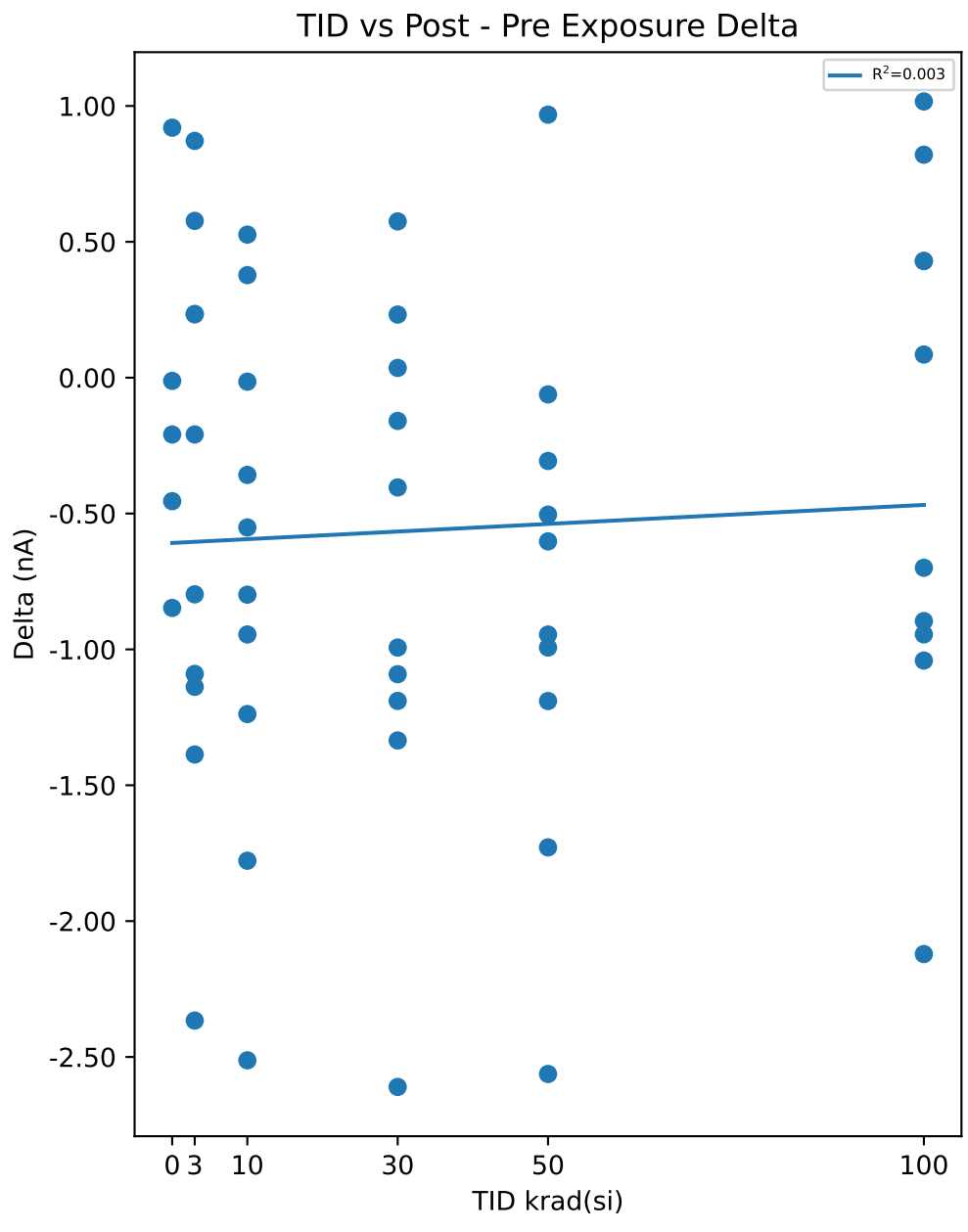
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	6.6676	6.2231	-0.4445
2	3	Biased	6.7602	6.2622	-0.498
3	3	Biased	6.6237	6.1157	-0.508
4	3	Biased	6.6725	6.1694	-0.5031
5	3	Biased	6.77	6.3403	-0.4297
6	3	Unbiased	6.8528	6.2964	-0.5564
7	3	Unbiased	6.926	6.4185	-0.5075
8	3	Unbiased	6.7115	6.3061	-0.4054
9	3	Unbiased	6.7895	6.2475	-0.542
10	3	Unbiased	6.7407	6.1889	-0.5518
11	10	Biased	7.0186	6.438	-0.5806
12	10	Biased	6.6968	6.3061	-0.3907
13	10	Biased	6.6432	6.0766	-0.5666
14	10	Biased	6.5603	6.2134	-0.3469
15	10	Biased	6.5652	6.311	-0.2542
16	10	Unbiased	6.6286	6.0717	-0.5569
17	10	Unbiased	6.9991	6.4087	-0.5904
18	10	Unbiased	6.9162	6.4771	-0.4391
19	10	Unbiased	7.043	6.272	-0.771
20	10	Unbiased	6.7163	6.2671	-0.4492
21	30	Biased	6.809	6.1987	-0.6103
22	30	Biased	6.8041	6.2573	-0.5468
23	30	Biased	6.8675	6.3892	-0.4783
24	30	Biased	6.6676	6.2036	-0.464
25	30	Biased	6.7163	6.438	-0.2783
26	30	Unbiased	6.8187	6.2134	-0.6053
27	30	Unbiased	6.8138	6.2817	-0.5321
28	30	Unbiased	6.8236	6.394	-0.4296
29	30	Unbiased	7.2283	6.604	-0.6243
30	30	Unbiased	6.7407	6.2134	-0.5273
31	50	Biased	7.2526	6.7017	-0.5509
32	50	Biased	6.7358	6.3892	-0.3466
33	50	Biased	6.8138	6.2378	-0.576
34	50	Biased	7.1259	6.5943	-0.5316
35	50	Biased	6.7602	6.1694	-0.5908
36	50	Unbiased	7.1649	6.5503	-0.6146
37	50	Unbiased	6.8138	6.4136	-0.4002
38	50	Unbiased	6.7115	6.2817	-0.4298
39	50	Unbiased	6.77	6.2964	-0.4736
40	50	Unbiased	6.7797	6.228	-0.5517
41	100	Biased	6.8431	6.2964	-0.5467
42	100	Biased	6.8431	6.4868	-0.3563
43	100	Biased	6.7066	6.394	-0.3126
44	100	Biased	6.7797	6.4136	-0.3661
45	100	Biased	6.7602	6.2182	-0.542
46	100	Unbiased	6.7895	6.3159	-0.4736
47	100	Unbiased	6.6139	6.3892	-0.2247
48	100	Unbiased	6.7505	6.2134	-0.5371
49	100	Unbiased	6.8577	6.6138	-0.2439
50	100	Unbiased	6.6627	6.3696	-0.2931
51	0	Correlation	7.3355	6.8824	-0.4531
53	0	Correlation	7.1844	6.6382	-0.5462
54	0	Correlation	6.7651	6.1206	-0.6445
55	0	Correlation	6.7943	6.2134	-0.5809
56	0	Correlation	6.8382	6.4624	-0.3758

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	6.7651	6.9835	7.3355	0.25926	6.1206	6.4634	6.8824	0.3107	-0.6445	-0.5201	-0.3758	0.10626
3	6.6237	6.7515	6.926	0.090617	6.1157	6.2568	6.4185	0.088523	-0.5564	-0.49464	-0.4054	0.052118
10	6.5603	6.7787	7.043	0.19427	6.0717	6.2842	6.4771	0.13795	-0.771	-0.49456	-0.2542	0.14817
30	6.6676	6.829	7.2283	0.15234	6.1987	6.3193	6.604	0.13384	-0.6243	-0.50963	-0.2783	0.10415
50	6.7115	6.8928	7.2526	0.20366	6.1694	6.3862	6.7017	0.1775	-0.6146	-0.50658	-0.3466	0.089505
100	6.6139	6.7607	6.8577	0.080529	6.2134	6.3711	6.6138	0.12103	-0.5467	-0.38961	-0.2247	0.12563

Device Test: 6.18; ILKG_SENSE





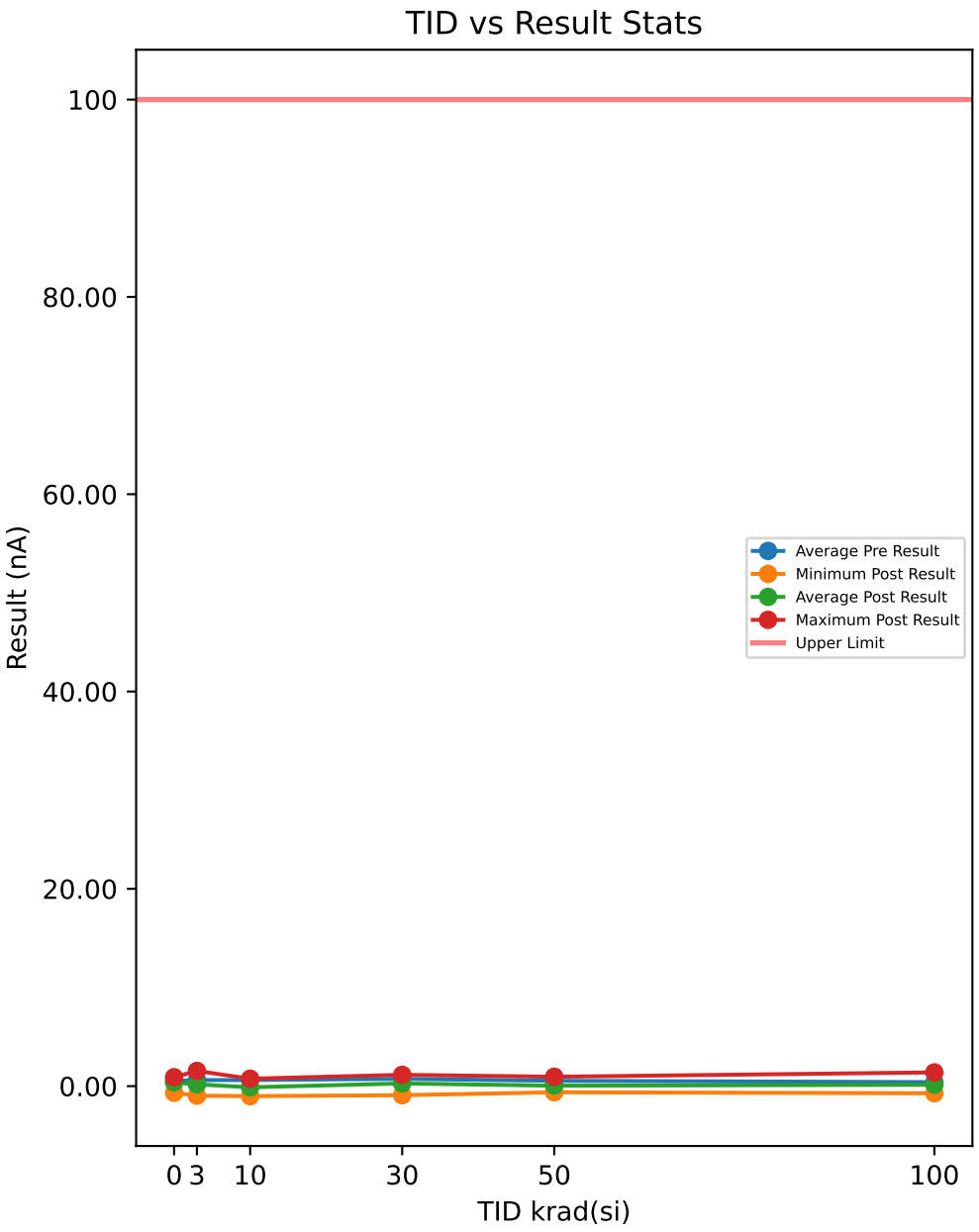
Test Results (Upper Limit = 100.0 (nA))

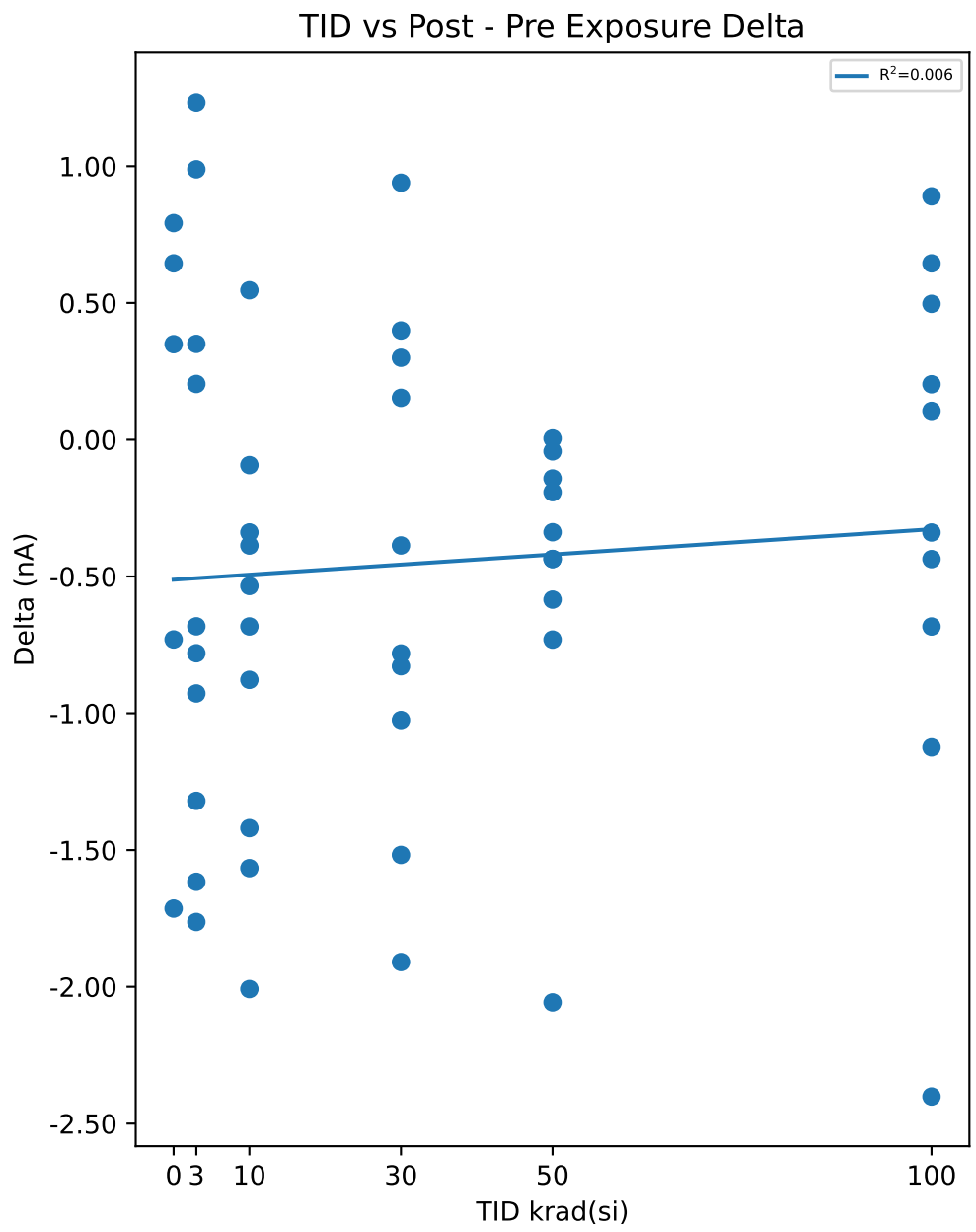
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	-0.2029	0.6685	0.8714
2	3	Biased	-0.1049	0.4722	0.5771
3	3	Biased	0.2868	0.5213	0.2345
4	3	Biased	1.0702	-0.0677	-1.1379
5	3	Biased	-0.4477	-1.8345	-1.3868
6	3	Unbiased	0.4337	-0.6566	-1.0903
7	3	Unbiased	-0.3008	-0.0677	0.2331
8	3	Unbiased	-0.2518	-1.0492	-0.7974
9	3	Unbiased	0.5316	-1.8345	-2.3661
10	3	Unbiased	-0.4477	-0.6566	-0.2089
11	10	Biased	-1.1821	-1.54	-0.3579
12	10	Biased	0.0909	-0.4603	-0.5512
13	10	Biased	0.1888	-1.0492	-1.238
14	10	Biased	-0.4477	-1.3928	-0.9451
15	10	Biased	0.2868	-1.4909	-1.7777
16	10	Unbiased	-0.7414	-0.2149	0.5265
17	10	Unbiased	-1.6228	-1.2455	0.3773
18	10	Unbiased	-0.7414	-1.54	-0.7986
19	10	Unbiased	-1.329	-1.3437	-0.0147
20	10	Unbiased	0.9233	-1.5891	-2.5124
21	30	Biased	0.6295	-0.7057	-1.3352
22	30	Biased	-0.6925	-0.6566	0.0359
23	30	Biased	-0.1049	-1.2946	-1.1897
24	30	Biased	0.042	-0.3621	-0.4041
25	30	Biased	-0.9863	-0.4112	0.5751
26	30	Unbiased	-0.007	-1.0002	-0.9932
27	30	Unbiased	-0.6435	-0.4112	0.2323
28	30	Unbiased	-0.1539	-0.3131	-0.1592
29	30	Unbiased	-0.007	-1.0983	-1.0913
30	30	Unbiased	0.9722	-1.6382	-2.6104
31	50	Biased	-0.2029	-0.5094	-0.3065
32	50	Biased	-0.5946	-1.54	-0.9454
33	50	Biased	0.2868	-1.4419	-1.7287
34	50	Biased	0.4337	-2.129	-2.5627
35	50	Biased	-0.8394	0.1286	0.968
36	50	Unbiased	0.042	-0.9511	-0.9931
37	50	Unbiased	-0.2518	-1.4419	-1.1901
38	50	Unbiased	-0.8394	-1.4419	-0.6025
39	50	Unbiased	-0.3497	-0.4112	-0.0615
40	50	Unbiased	-0.7414	-1.2455	-0.5041
41	100	Biased	0.2868	-1.8345	-2.1213
42	100	Biased	-0.4477	-0.0186	0.4291
43	100	Biased	-0.8883	-0.0677	0.8206
44	100	Biased	-0.5946	-0.5094	0.0852
45	100	Biased	-1.0352	-0.0186	1.0166
46	100	Unbiased	-0.2029	0.2268	0.4297
47	100	Unbiased	-0.3987	-1.0983	-0.6996
48	100	Unbiased	-0.3008	-1.2455	-0.9447
49	100	Unbiased	0.5316	-0.5094	-1.041
50	100	Unbiased	-0.3987	-1.2946	-0.8959
51	0	Correlation	-0.5456	-1.0002	-0.4546
53	0	Correlation	-0.3497	0.5703	0.92
54	0	Correlation	-0.6435	-1.4909	-0.8474
55	0	Correlation	-0.1049	-0.1167	-0.0118
56	0	Correlation	-0.4966	-0.7057	-0.2091

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	-0.42806	-0.1049	0.20946	-1.4909	-0.54864	0.5703	0.79922	-0.8474	-0.12058	0.92	0.65998
3	-0.4477	0.05665	1.0702	0.50256	-1.8345	-0.45048	0.6685	0.91986	-2.3661	-0.50713	0.8714	1.0173
10	-1.6228	-0.45746	0.9233	0.81533	-1.5891	-1.1866	-0.2149	0.47908	-2.5124	-0.72918	0.5265	0.94696
30	-0.9863	-0.09514	0.9722	0.59198	-1.6382	-0.78912	-0.3131	0.45163	-2.6104	-0.69398	0.5751	0.93976
50	-0.8394	-0.30567	0.4337	0.45668	-2.129	-1.0983	0.1286	0.66493	-2.5627	-0.79266	0.968	0.95574
100	-1.0352	-0.34485	0.5316	0.47608	-1.8345	-0.63698	0.2268	0.69259	-2.1213	-0.29213	1.0166	0.99987

Device Test: 6.19; ILKG_SENSE





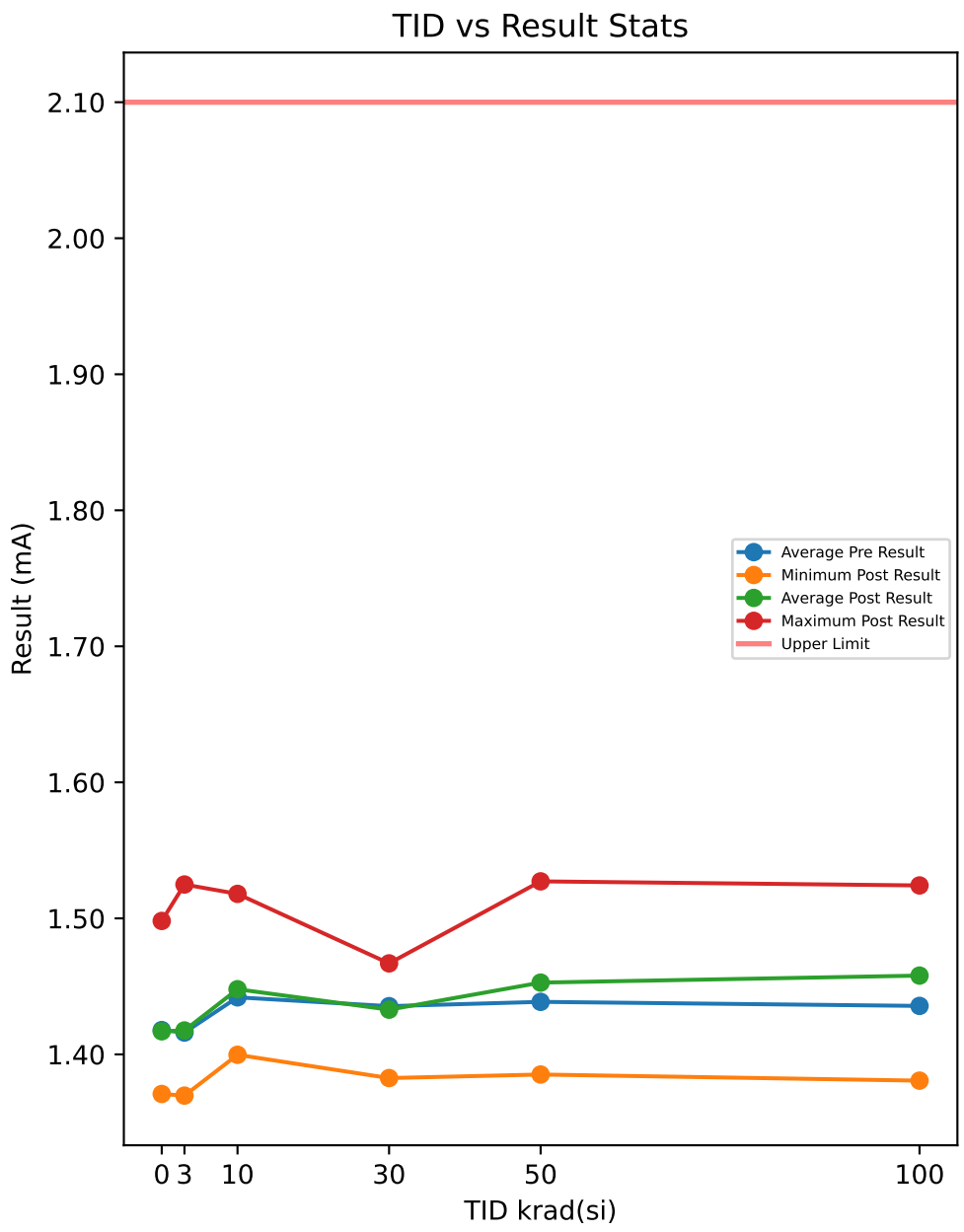
Test Results (Upper Limit = 100.0 (nA))

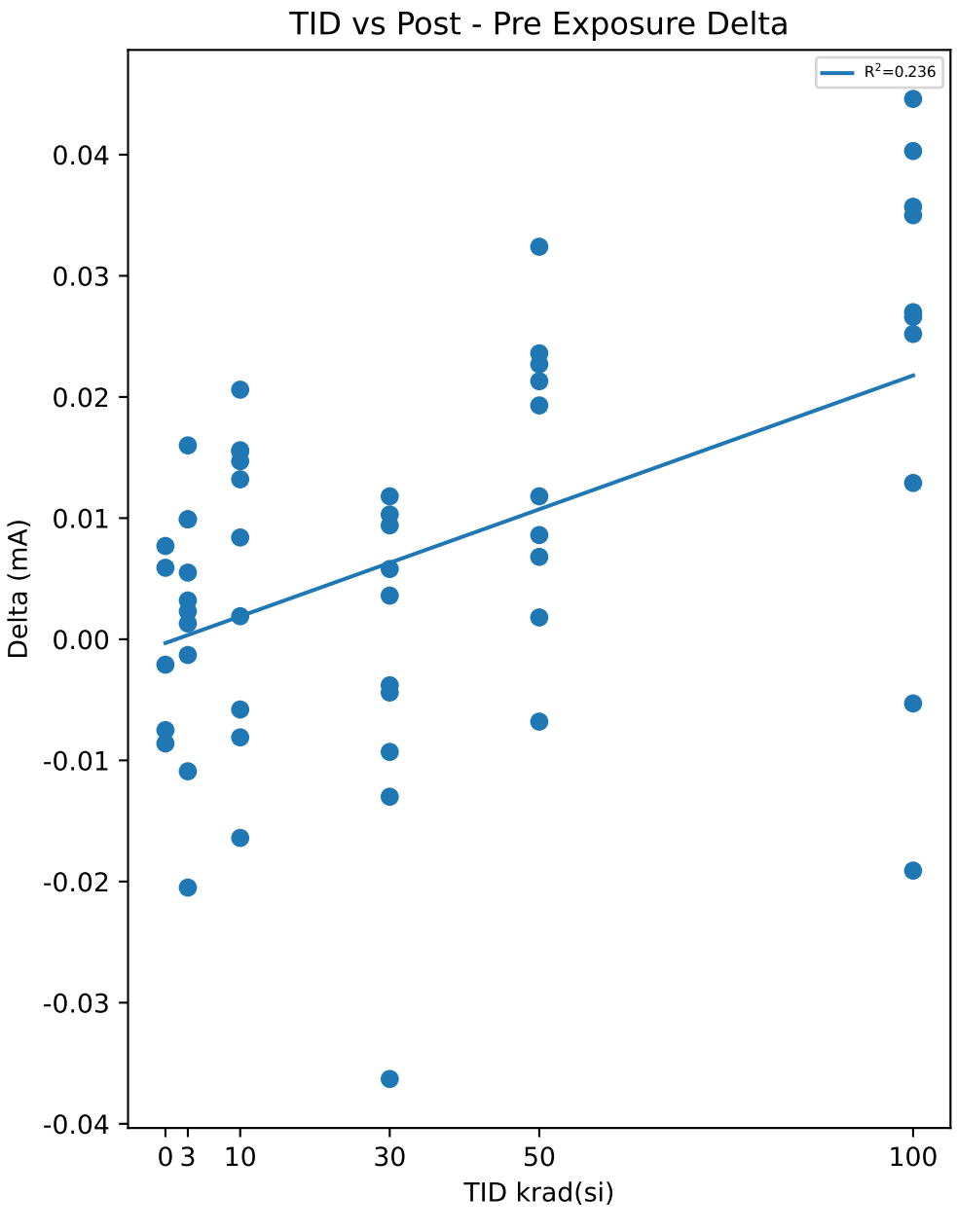
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.1581	1.1468	0.9887
2	3	Biased	0.4527	-0.3279	-0.7806
3	3	Biased	1.3363	0.0162	-1.3201
4	3	Biased	0.6	0.9502	0.3502
5	3	Biased	-0.7255	0.5078	1.2333
6	3	Unbiased	1.0909	-0.672	-1.7629
7	3	Unbiased	0.5018	-0.1804	-0.6822
8	3	Unbiased	0.6491	-0.9669	-1.616
9	3	Unbiased	1.3363	1.54	0.2037
10	3	Unbiased	0.6981	-0.2296	-0.9277
11	10	Biased	0.4036	-1.0161	-1.4197
12	10	Biased	1.2873	0.4094	-0.8779
13	10	Biased	1.1891	-0.377	-1.5661
14	10	Biased	1.3363	-0.672	-2.0083
15	10	Biased	0.1581	-0.5245	-0.6826
16	10	Unbiased	0.2072	0.1145	-0.0927
17	10	Unbiased	0.2072	0.7535	0.5463
18	10	Unbiased	0.5509	0.0162	-0.5347
19	10	Unbiased	0.0109	-0.3279	-0.3388
20	10	Unbiased	0.8454	0.4586	-0.3868
21	30	Biased	1.14	0.7535	-0.3865
22	30	Biased	0.2072	1.1468	0.9396
23	30	Biased	0.5018	0.901	0.3992
24	30	Biased	1.9255	0.901	-1.0245
25	30	Biased	-0.6764	-0.377	0.2994
26	30	Unbiased	-0.1364	-0.9178	-0.7814
27	30	Unbiased	0.1581	0.3111	0.153
28	30	Unbiased	1.7291	0.901	-0.8281
29	30	Unbiased	1.8764	-0.033	-1.9094
30	30	Unbiased	0.6491	-0.8686	-1.5177
31	50	Biased	0.06	-0.5245	-0.5845
32	50	Biased	0.3545	0.2128	-0.1417
33	50	Biased	0.9927	0.9502	-0.0425
34	50	Biased	0.7472	0.3111	-0.4361
35	50	Biased	0.8945	0.4586	-0.4359
36	50	Unbiased	1.68	-0.377	-2.057
37	50	Unbiased	-0.6273	-0.6228	0.0045
38	50	Unbiased	1.0418	0.3111	-0.7307
39	50	Unbiased	0.5509	0.2128	-0.3381
40	50	Unbiased	-0.2837	-0.4754	-0.1917
41	100	Biased	1.2873	1.3926	0.1053
42	100	Biased	0.5018	0.7044	0.2026
43	100	Biased	0.4036	-0.7211	-1.1247
44	100	Biased	-0.2837	0.6061	0.8898
45	100	Biased	-0.2837	-0.6228	-0.3391
46	100	Unbiased	0.2563	0.901	0.6447
47	100	Unbiased	-0.2346	0.262	0.4966
48	100	Unbiased	0.5509	0.1145	-0.4364
49	100	Unbiased	1.8273	-0.5737	-2.401
50	100	Unbiased	0.0109	-0.672	-0.6829
51	0	Correlation	0.109	0.901	0.792
53	0	Correlation	1.0418	-0.672	-1.7138
54	0	Correlation	0.2563	0.901	0.6447
55	0	Correlation	1.3363	0.6061	-0.7302
56	0	Correlation	-0.1855	0.1637	0.3492

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	-0.1855	0.51158	1.3363	0.647	-0.672	0.37996	0.901	0.66096	-1.7138	-0.13162	0.792	1.0664
3	-0.7255	0.60978	1.3363	0.60735	-0.9669	0.17842	1.54	0.82386	-1.7629	-0.43136	1.2333	1.0645
10	0.0109	0.6196	1.3363	0.5066	-1.0161	-0.11653	0.7535	0.56096	-2.0083	-0.73613	0.5463	0.75841
30	-0.6764	0.73744	1.9255	0.90042	-0.9178	0.2718	1.1468	0.77577	-1.9094	-0.46564	0.9396	0.9087
50	-0.6273	0.54106	1.68	0.68564	-0.6228	0.04569	0.9502	0.51721	-2.057	-0.49537	0.0045	0.59685
100	-0.2837	0.40361	1.8273	0.69659	-0.7211	0.1391	1.3926	0.7595	-2.401	-0.26451	0.8898	0.97798

Device Test: 6.2; ISD





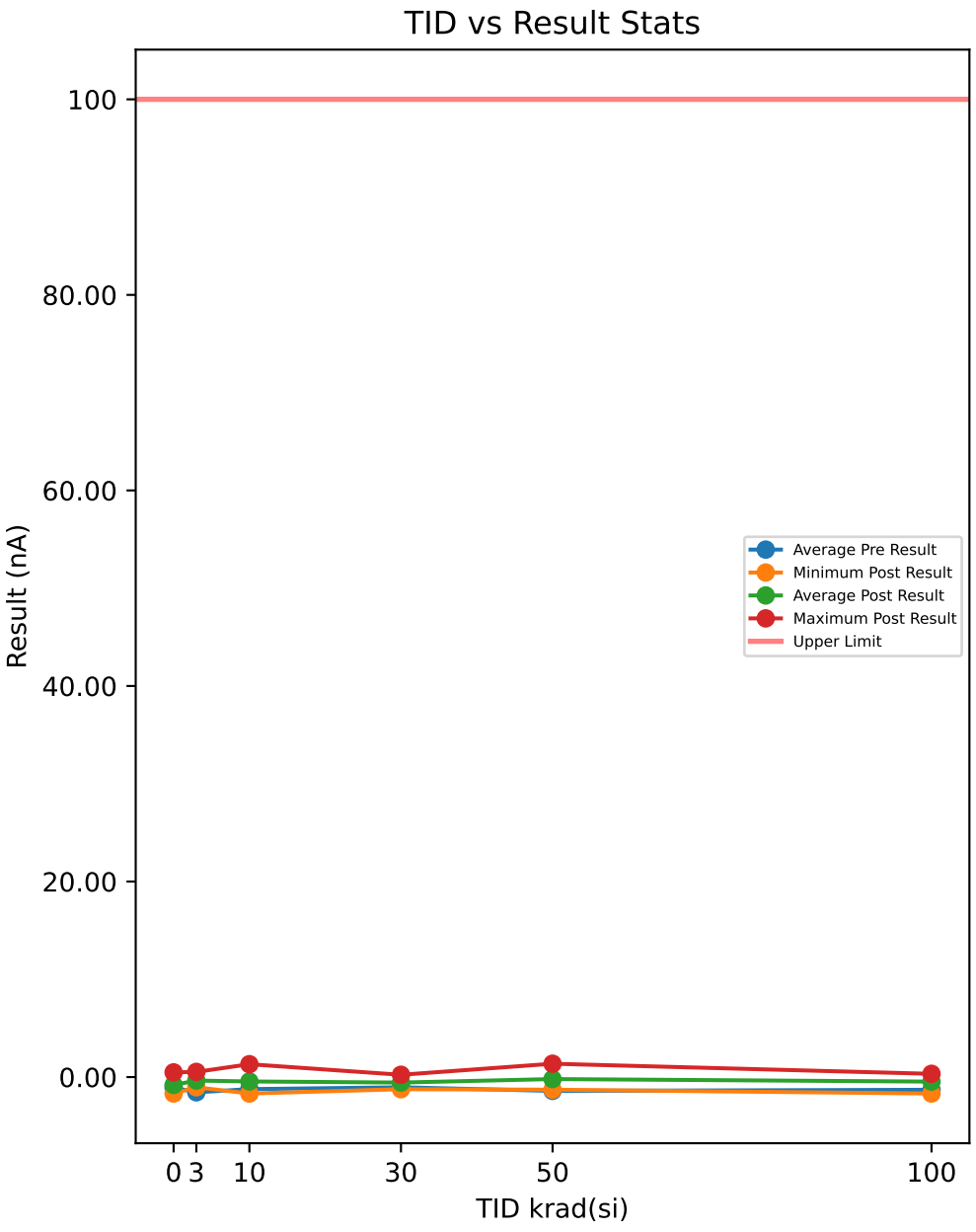
Test Results (Upper Limit = 2.1 (mA))

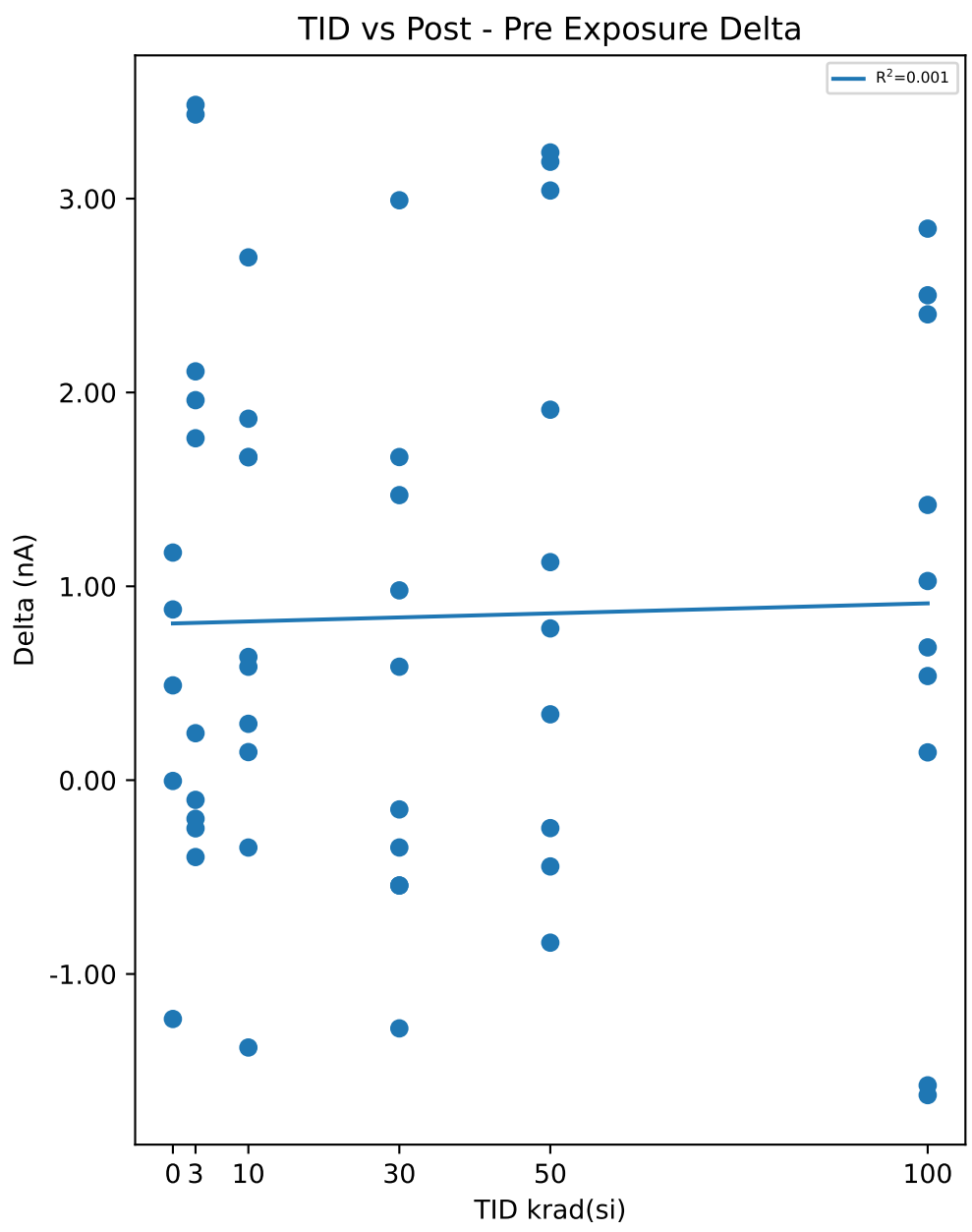
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.4277	1.4168	-0.0109
2	3	Biased	1.411	1.4209	0.0099
3	3	Biased	1.3889	1.4049	0.016
4	3	Biased	1.4448	1.4243	-0.0205
5	3	Biased	1.3878	1.391	0.0032
6	3	Unbiased	1.3674	1.3697	0.0023
7	3	Unbiased	1.4145	1.42	0.0055
8	3	Unbiased	1.3711	1.3698	-0.0013
9	3	Unbiased	1.5236	1.5249	0.0013
10	3	Unbiased	1.4236	1.4335	0.0099
11	10	Biased	1.4161	1.3997	-0.0164
12	10	Biased	1.4446	1.4602	0.0156
13	10	Biased	1.4333	1.4352	0.0019
14	10	Biased	1.4619	1.4538	-0.0081
15	10	Biased	1.4218	1.435	0.0132
16	10	Unbiased	1.4324	1.453	0.0206
17	10	Unbiased	1.4229	1.4171	-0.0058
18	10	Unbiased	1.5096	1.518	0.0084
19	10	Unbiased	1.42	1.4347	0.0147
20	10	Unbiased	1.4568	1.4723	0.0155
21	30	Biased	1.3837	1.3873	0.0036
22	30	Biased	1.4574	1.4668	0.0094
23	30	Biased	1.4227	1.4345	0.0118
24	30	Biased	1.4245	1.4207	-0.0038
25	30	Biased	1.4636	1.4543	-0.0093
26	30	Unbiased	1.4519	1.4475	-0.0044
27	30	Unbiased	1.4517	1.4154	-0.0363
28	30	Unbiased	1.4424	1.4527	0.0103
29	30	Unbiased	1.3956	1.3826	-0.013
30	30	Unbiased	1.4611	1.4669	0.0058
31	50	Biased	1.4128	1.4196	0.0068
32	50	Biased	1.4254	1.4467	0.0213
33	50	Biased	1.4149	1.4473	0.0324
34	50	Biased	1.49	1.5093	0.0193
35	50	Biased	1.3779	1.4015	0.0236
36	50	Unbiased	1.4576	1.4508	-0.0068
37	50	Unbiased	1.3625	1.3852	0.0227
38	50	Unbiased	1.4145	1.4231	0.0086
39	50	Unbiased	1.5154	1.5272	0.0118
40	50	Unbiased	1.5152	1.517	0.0018
41	100	Biased	1.3457	1.3807	0.035
42	100	Biased	1.436	1.4169	-0.0191
43	100	Biased	1.398	1.4426	0.0446
44	100	Biased	1.4976	1.5242	0.0266
45	100	Biased	1.4096	1.4348	0.0252
46	100	Unbiased	1.4414	1.4684	0.027
47	100	Unbiased	1.4617	1.4974	0.0357
48	100	Unbiased	1.4309	1.4712	0.0403
49	100	Unbiased	1.5254	1.5201	-0.0053
50	100	Unbiased	1.4101	1.423	0.0129
51	0	Correlation	1.3819	1.3798	-0.0021
53	0	Correlation	1.3784	1.3709	-0.0075
54	0	Correlation	1.4135	1.4194	0.0059
55	0	Correlation	1.4904	1.4981	0.0077
56	0	Correlation	1.4252	1.4166	-0.0086

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	1.3784	1.4179	1.4904	0.045236	1.3709	1.417	1.4981	0.05023	-0.0086	-0.00092	0.0077	0.0074915
3	1.3674	1.416	1.5236	0.045383	1.3697	1.4176	1.5249	0.043813	-0.0205	0.00154	0.016	0.010628
10	1.4161	1.4419	1.5096	0.028455	1.3997	1.4479	1.518	0.032481	-0.0164	0.00596	0.0206	0.012407
30	1.3837	1.4355	1.4636	0.028015	1.3826	1.4329	1.4669	0.030615	-0.0363	-0.00259	0.0118	0.014607
50	1.3625	1.4386	1.5154	0.053982	1.3852	1.4528	1.5272	0.049561	-0.0068	0.01415	0.0324	0.011808
100	1.3457	1.4356	1.5254	0.051063	1.3807	1.4579	1.5242	0.046831	-0.0191	0.02229	0.0446	0.020481

Device Test: 6.20; ILKG_SENSE





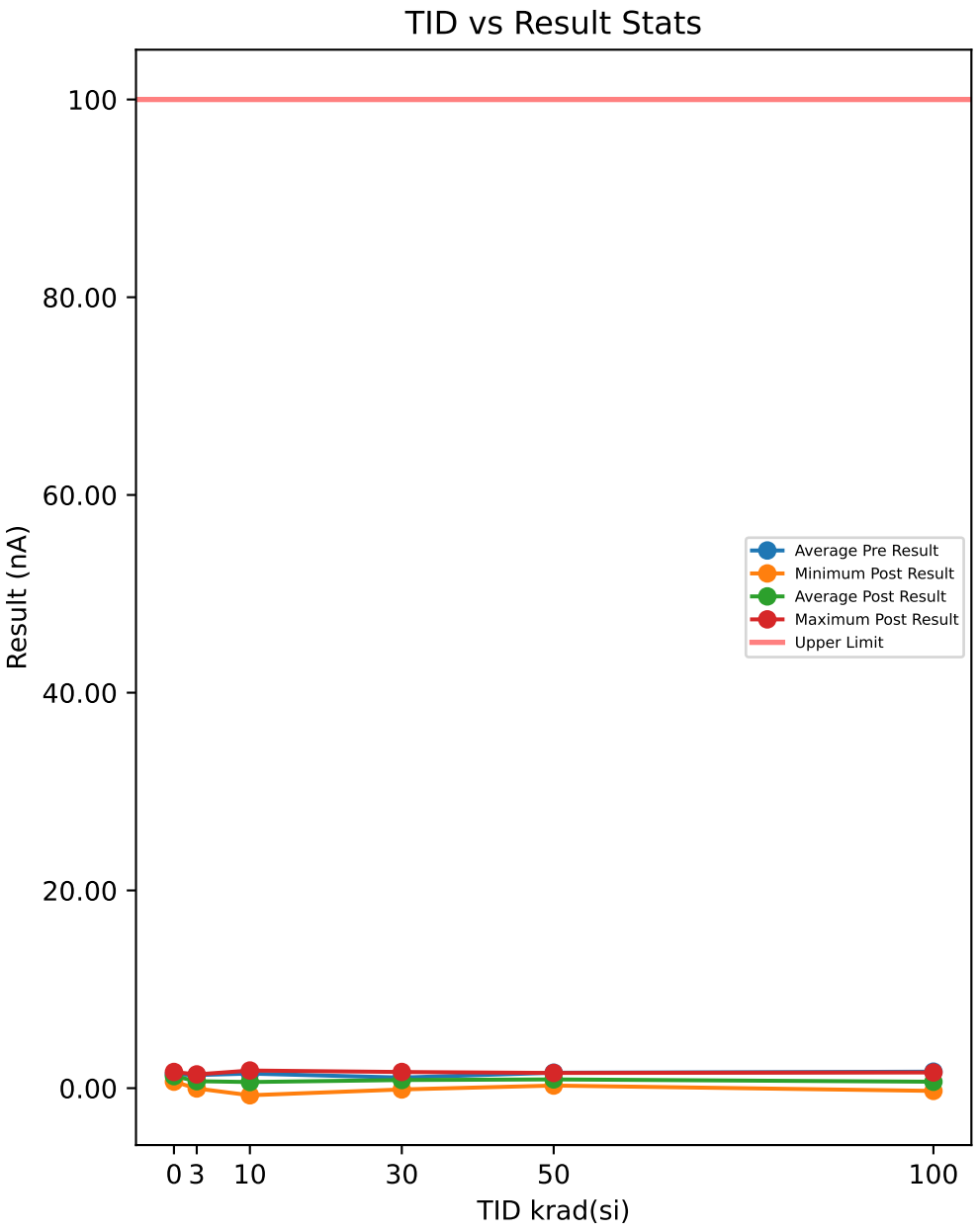
Test Results (Upper Limit = 100.0 (nA))

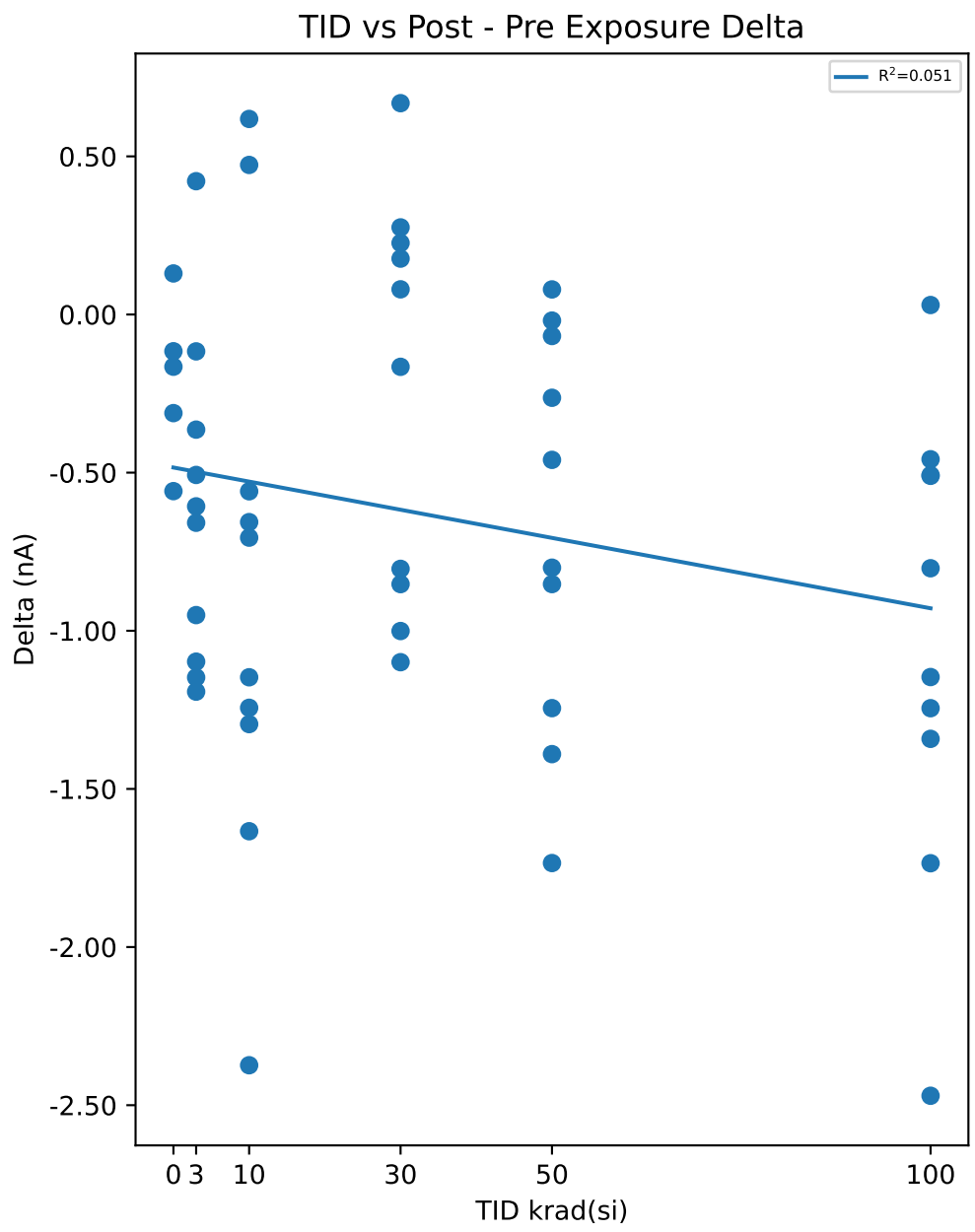
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	-0.6464	-1.0431	-0.3967
2	3	Biased	-0.2537	-0.5024	-0.2487
3	3	Biased	-0.6464	-0.7481	-0.1017
4	3	Biased	-1.7264	0.3824	2.1088
5	3	Biased	-3.3956	0.0384	3.434
6	3	Unbiased	-2.561	-0.6007	1.9603
7	3	Unbiased	-0.7937	-0.5515	0.2422
8	3	Unbiased	-2.9537	0.5299	3.4836
9	3	Unbiased	-0.1555	-0.3549	-0.1994
10	3	Unbiased	-2.4628	-0.699	1.7638
11	10	Biased	-0.5482	1.3164	1.8646
12	10	Biased	-0.0573	0.0875	0.1448
13	10	Biased	-3.2483	-0.5515	2.6968
14	10	Biased	-0.3028	-1.6821	-1.3793
15	10	Biased	-0.7937	-1.1414	-0.3477
16	10	Unbiased	-0.6955	-0.06	0.6355
17	10	Unbiased	-1.3337	-1.0431	0.2906
18	10	Unbiased	-2.3646	-0.699	1.6656
19	10	Unbiased	-1.2355	0.4316	1.6671
20	10	Unbiased	-1.7264	-1.1414	0.585
21	30	Biased	-1.6282	-1.0431	0.5851
22	30	Biased	-3.3956	-0.4041	2.9915
23	30	Biased	-0.6464	-0.9939	-0.3475
24	30	Biased	-1.4319	0.235	1.6669
25	30	Biased	0.09	-0.4532	-0.5432
26	30	Unbiased	-1.2846	0.1858	1.4704
27	30	Unbiased	-0.3518	-0.8956	-0.5438
28	30	Unbiased	-0.7446	-0.8956	-0.151
29	30	Unbiased	-1.0882	-0.1091	0.9791
30	30	Unbiased	0.0409	-1.2397	-1.2806
31	50	Biased	-0.1555	-0.6007	-0.4452
32	50	Biased	-2.4137	-1.2889	1.1248
33	50	Biased	-1.481	-1.1414	0.3396
34	50	Biased	-2.6101	-0.699	1.9111
35	50	Biased	-0.1555	-0.9939	-0.8384
36	50	Unbiased	-2.561	0.4808	3.0418
37	50	Unbiased	-2.7574	0.4808	3.2382
38	50	Unbiased	-1.8246	1.3656	3.1902
39	50	Unbiased	0.6791	0.4316	-0.2475
40	50	Unbiased	-0.8428	-0.06	0.7828
41	100	Biased	-2.3155	0.0875	2.403
42	100	Biased	-1.8246	-0.7973	1.0273
43	100	Biased	-1.1864	-1.0431	0.1433
44	100	Biased	-0.7937	-0.2566	0.5371
45	100	Biased	-0.6464	0.0384	0.6848
46	100	Unbiased	-2.2664	-0.8465	1.4199
47	100	Unbiased	-2.5119	0.3333	2.8452
48	100	Unbiased	0.8755	-0.699	-1.5745
49	100	Unbiased	-2.2664	0.235	2.5014
50	100	Unbiased	-0.0573	-1.6821	-1.6248
51	0	Correlation	-1.2355	-1.2397	-0.0042
53	0	Correlation	-2.4137	-1.2397	1.174
54	0	Correlation	-0.45	-1.6821	-1.2321
55	0	Correlation	-1.2355	-0.3549	0.8806
56	0	Correlation	-0.0082	0.4808	0.489

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	-2.4137	-1.0686	-0.0082	0.91817	-1.6821	-0.80712	0.4808	0.86647	-1.2321	0.26146	1.174	0.94461
3	-3.3956	-1.5595	-0.1555	1.2061	-1.0431	-0.3549	0.5299	0.51084	-0.3967	1.2046	3.4836	1.5328
10	-3.2483	-1.2306	-0.0573	0.98848	-1.6821	-0.4483	1.3164	0.8967	-1.3793	0.7823	2.6968	1.2045
30	-3.3956	-1.044	0.09	1.015	-1.2397	-0.56135	0.235	0.53084	-1.2806	0.48269	2.9915	1.3011
50	-2.7574	-1.4123	0.6791	1.2292	-1.2889	-0.20251	1.3656	0.87612	-0.8384	1.2097	3.2382	1.5595
100	-2.5119	-1.2993	0.8755	1.1361	-1.6821	-0.46304	0.3333	0.65452	-1.6248	0.83627	2.8452	1.5671

Device Test: 6.21; ILKG_SENSE





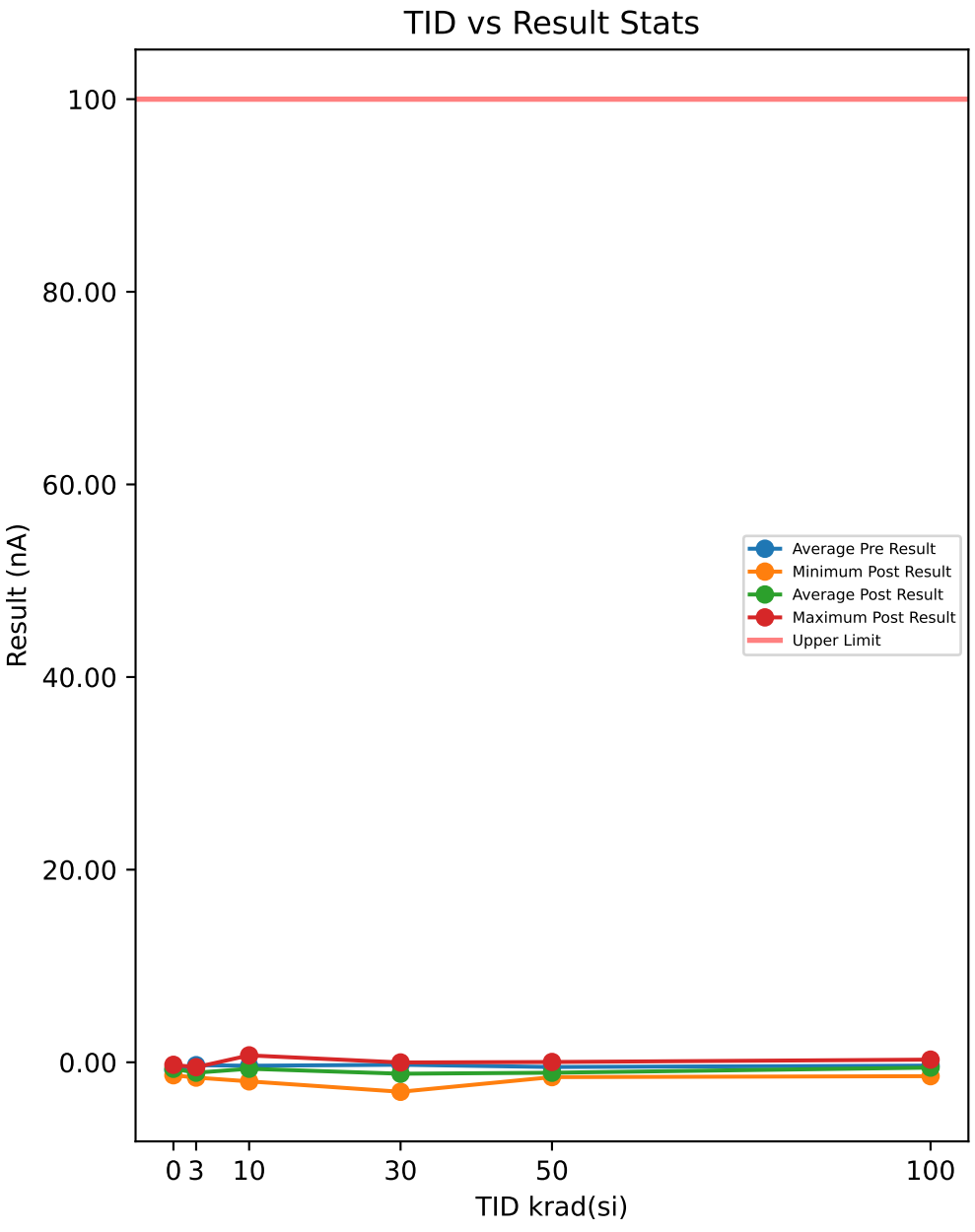
Test Results (Upper Limit = 100.0 (nA))

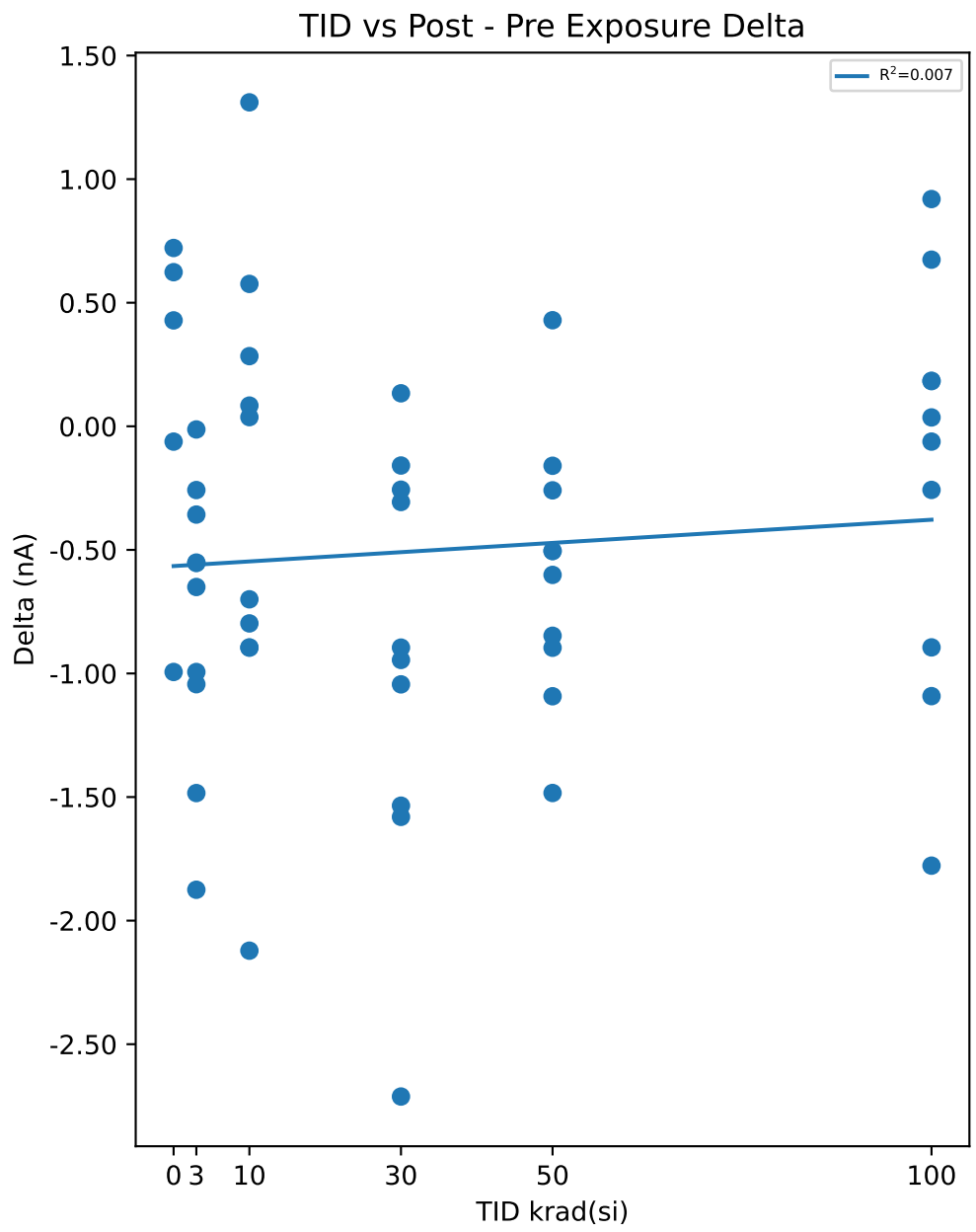
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.5841	1.3916	-1.1925
2	3	Biased	0.5773	0.2133	-0.364
3	3	Biased	1.5073	0.5569	-0.9504
4	3	Biased	0.6263	-0.0322	-0.6585
5	3	Biased	1.5563	0.9497	-0.6066
6	3	Unbiased	1.8989	1.3916	-0.5073
7	3	Unbiased	1.2136	0.066	-1.1476
8	3	Unbiased	1.5073	0.4097	-1.0976
9	3	Unbiased	0.5773	0.9988	0.4215
10	3	Unbiased	1.2136	1.097	-0.1166
11	10	Biased	1.9968	0.7533	-1.2435
12	10	Biased	1.1647	-0.1304	-1.2951
13	10	Biased	2.7799	1.1461	-1.6338
14	10	Biased	1.3115	0.606	-0.7055
15	10	Biased	1.4094	0.2624	-1.147
16	10	Unbiased	0.7242	1.3425	0.6183
17	10	Unbiased	1.0668	0.5078	-0.559
18	10	Unbiased	1.6541	-0.7196	-2.3737
19	10	Unbiased	1.3115	1.7844	0.4729
20	10	Unbiased	1.3115	0.6551	-0.6564
21	30	Biased	1.1647	1.2443	0.0796
22	30	Biased	0.92	1.1461	0.2261
23	30	Biased	1.0668	0.066	-1.0008
24	30	Biased	0.8221	0.9988	0.1767
25	30	Biased	1.1157	0.3115	-0.8042
26	30	Unbiased	1.4094	0.5569	-0.8525
27	30	Unbiased	1.3115	1.1461	-0.1654
28	30	Unbiased	0.9689	1.2443	0.2754
29	30	Unbiased	0.9689	-0.1304	-1.0993
30	30	Unbiased	0.9689	1.6371	0.6682
31	50	Biased	1.4094	1.1461	-0.2633
32	50	Biased	2.2415	0.8515	-1.39
33	50	Biased	1.4584	0.606	-0.8524
34	50	Biased	1.4584	0.9988	-0.4596
35	50	Biased	0.9689	0.9497	-0.0192
36	50	Unbiased	1.9968	0.2624	-1.7344
37	50	Unbiased	1.6052	0.3606	-1.2446
38	50	Unbiased	1.0668	0.9988	-0.068
39	50	Unbiased	1.0668	1.1461	0.0793
40	50	Unbiased	2.3394	1.5389	-0.8005
41	100	Biased	1.801	0.066	-1.735
42	100	Biased	1.9968	0.6551	-1.3417
43	100	Biased	2.1925	-0.2777	-2.4702
44	100	Biased	1.6541	1.1461	-0.508
45	100	Biased	1.0179	0.5078	-0.5101
46	100	Unbiased	1.5563	0.3115	-1.2448
47	100	Unbiased	2.0457	1.588	-0.4577
48	100	Unbiased	1.0179	1.0479	0.03
49	100	Unbiased	1.6541	0.5078	-1.1463
50	100	Unbiased	1.752	0.9497	-0.8023
51	0	Correlation	1.2136	0.6551	-0.5585
53	0	Correlation	1.5073	1.6371	0.1298
54	0	Correlation	1.6052	1.2934	-0.3118
55	0	Correlation	1.4094	1.2443	-0.1651
56	0	Correlation	1.3605	1.2443	-0.1162

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	1.2136	1.4192	1.6052	0.14847	0.6551	1.2148	1.6371	0.35338	-0.5585	-0.20436	0.1298	0.25394
3	0.5773	1.3262	2.5841	0.63821	-0.0322	0.70424	1.3916	0.53181	-1.1925	-0.62196	0.4215	0.51223
10	0.7242	1.473	2.7799	0.56942	-0.7196	0.62076	1.7844	0.72049	-2.3737	-0.85228	0.6183	0.90836
30	0.8221	1.0717	1.4094	0.18232	-0.1304	0.82207	1.6371	0.58423	-1.0993	-0.24962	0.6682	0.63235
50	0.9689	1.5612	2.3394	0.48807	0.2624	0.88589	1.5389	0.38523	-1.7344	-0.67527	0.0793	0.63145
100	1.0179	1.6688	2.1925	0.39563	-0.2777	0.65022	1.588	0.55084	-2.4702	-1.0186	0.03	0.7282

Device Test: 6.22; ILKG_SENSE





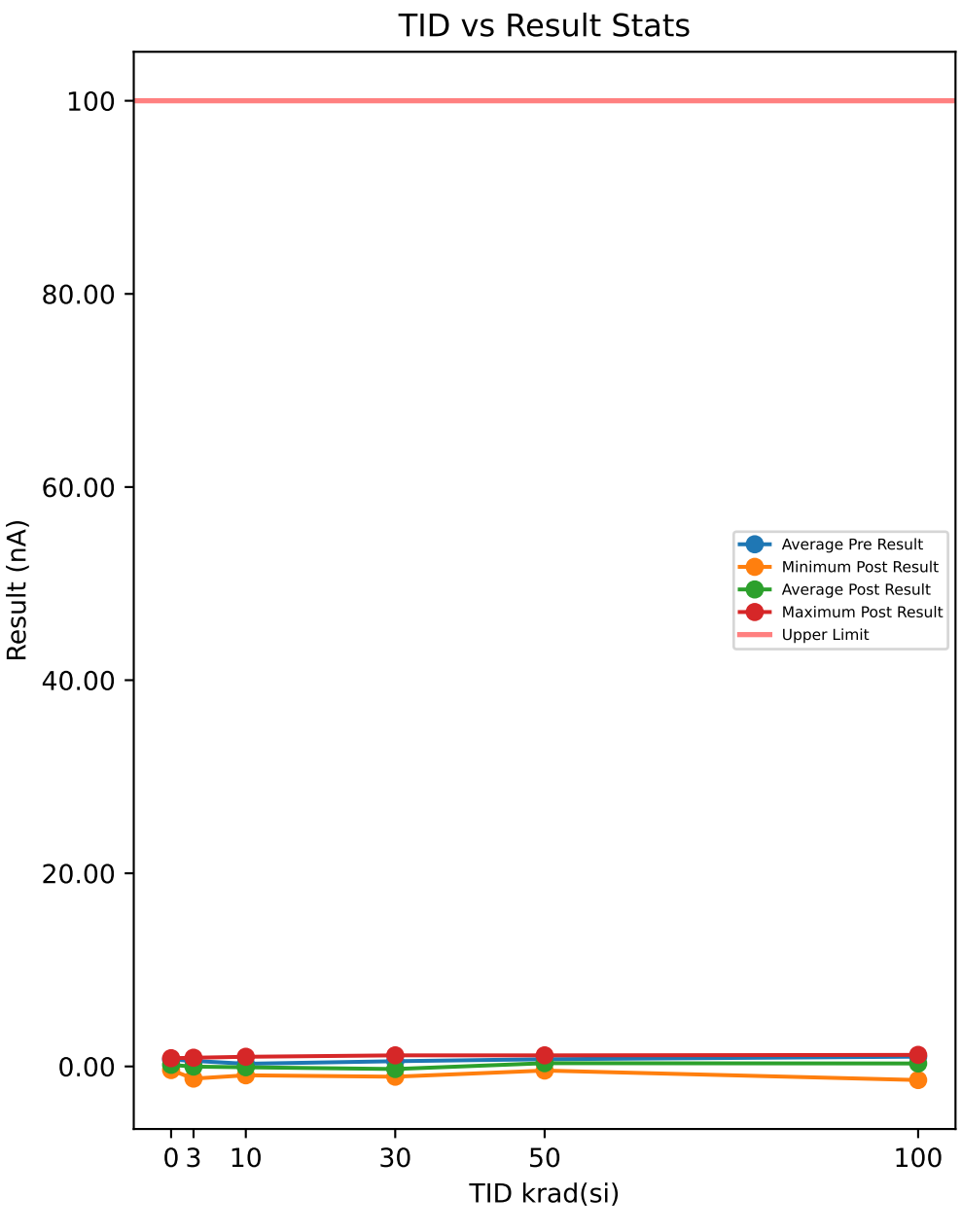
Test Results (Upper Limit = 100.0 (nA))

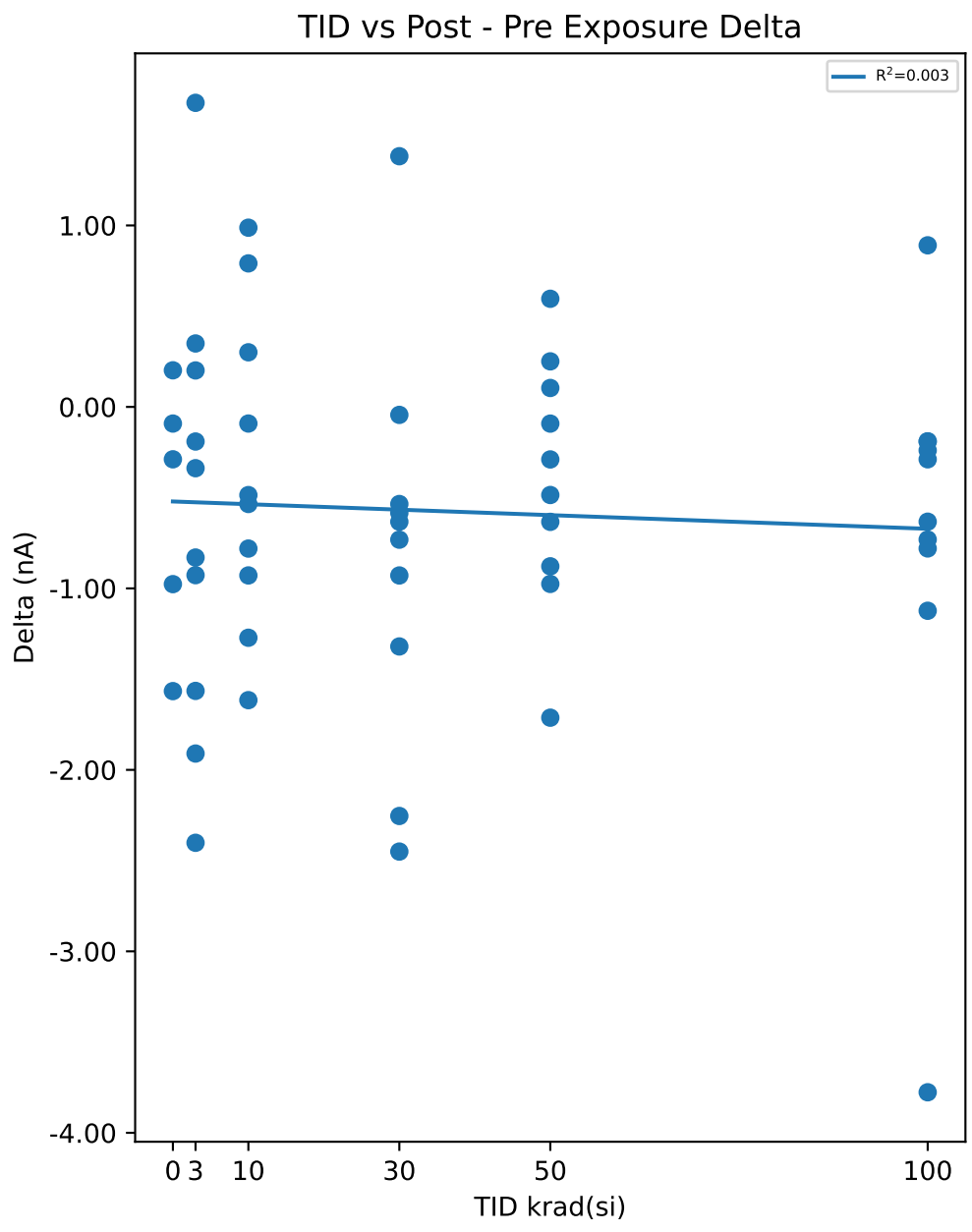
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	-0.2518	-0.902	-0.6502
2	3	Biased	0.5805	-1.2946	-1.8751
3	3	Biased	-0.4966	-0.5094	-0.0128
4	3	Biased	0.042	-0.5094	-0.5514
5	3	Biased	-0.8394	-1.1965	-0.3571
6	3	Unbiased	-0.007	-1.4909	-1.4839
7	3	Unbiased	-0.3987	-1.3928	-0.9941
8	3	Unbiased	-0.3987	-0.6566	-0.2579
9	3	Unbiased	-0.5456	-1.5891	-1.0435
10	3	Unbiased	-0.6925	-1.2455	-0.553
11	10	Biased	0.042	-0.8529	-0.8949
12	10	Biased	-0.1539	-1.0492	-0.8953
13	10	Biased	-0.2029	-0.1658	0.0371
14	10	Biased	0.4337	0.7176	0.2839
15	10	Biased	-0.3008	-1.0983	-0.7975
16	10	Unbiased	-1.2311	0.0796	1.3107
17	10	Unbiased	-0.5946	-1.2946	-0.7
18	10	Unbiased	-1.1821	-1.0983	0.0838
19	10	Unbiased	-0.5456	0.0305	0.5761
20	10	Unbiased	0.1399	-1.9817	-2.1216
21	30	Biased	-0.4966	-1.4419	-0.9453
22	30	Biased	0.2378	-0.0186	-0.2564
23	30	Biased	0.042	-0.1167	-0.1587
24	30	Biased	-0.1049	-0.4112	-0.3063
25	30	Biased	-0.7904	-2.3253	-1.5349
26	30	Unbiased	-0.8883	-0.7548	0.1335
27	30	Unbiased	-0.3497	-3.0614	-2.7117
28	30	Unbiased	-0.2029	-1.0983	-0.8954
29	30	Unbiased	-0.7904	-1.8345	-1.0441
30	30	Unbiased	0.7764	-0.8038	-1.5802
31	50	Biased	-0.3987	0.0305	0.4292
32	50	Biased	-0.3008	-0.902	-0.6012
33	50	Biased	-0.3497	-1.4419	-1.0922
34	50	Biased	-1.0352	-1.54	-0.5048
35	50	Biased	-0.3497	-0.5094	-0.1597
36	50	Unbiased	-0.6925	-1.54	-0.8475
37	50	Unbiased	-0.3987	-1.2946	-0.8959
38	50	Unbiased	-0.8883	-1.1474	-0.2591
39	50	Unbiased	0.1399	-1.3437	-1.4836
40	50	Unbiased	-0.6435	-1.1474	-0.5039
41	100	Biased	0.1888	-0.7057	-0.8945
42	100	Biased	-0.6435	0.2759	0.9194
43	100	Biased	-0.7904	-0.6075	0.1829
44	100	Biased	0.3357	-1.4419	-1.7776
45	100	Biased	-0.5456	-0.6075	-0.0619
46	100	Unbiased	-0.3497	-0.1658	0.1839
47	100	Unbiased	-0.6925	-0.6566	0.0359
48	100	Unbiased	-0.2029	-0.4603	-0.2574
49	100	Unbiased	-0.5456	0.1286	0.6742
50	100	Unbiased	-0.2029	-1.2946	-1.0917
51	0	Correlation	-0.6925	-0.264	0.4285
53	0	Correlation	-1.1821	-0.5585	0.6236
54	0	Correlation	-0.3497	-1.3437	-0.994
55	0	Correlation	-1.28	-0.5585	0.7215
56	0	Correlation	-0.5946	-0.6566	-0.062

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	-1.28	-0.81978	-0.3497	0.39716	-1.3437	-0.67626	-0.264	0.40111	-0.994	0.14352	0.7215	0.70391
3	-0.8394	-0.30078	0.5805	0.41418	-1.5891	-1.0787	-0.5094	0.40483	-1.8751	-0.7779	-0.0128	0.57452
10	-1.2311	-0.35954	0.4337	0.54122	-1.9817	-0.67131	0.7176	0.80877	-2.1216	-0.31177	1.3107	0.96589
30	-0.8883	-0.2567	0.7764	0.523	-3.0614	-1.1866	-0.0186	0.98587	-2.7117	-0.92995	0.1335	0.85285
50	-1.0352	-0.49172	0.1399	0.33484	-1.54	-1.0836	0.0305	0.50213	-1.4836	-0.59187	0.4292	0.53321
100	-0.7904	-0.34486	0.3357	0.37674	-1.4419	-0.55354	0.2759	0.54674	-1.7776	-0.20868	0.9194	0.82696

Device Test: 6.23; ILKG_SENSE





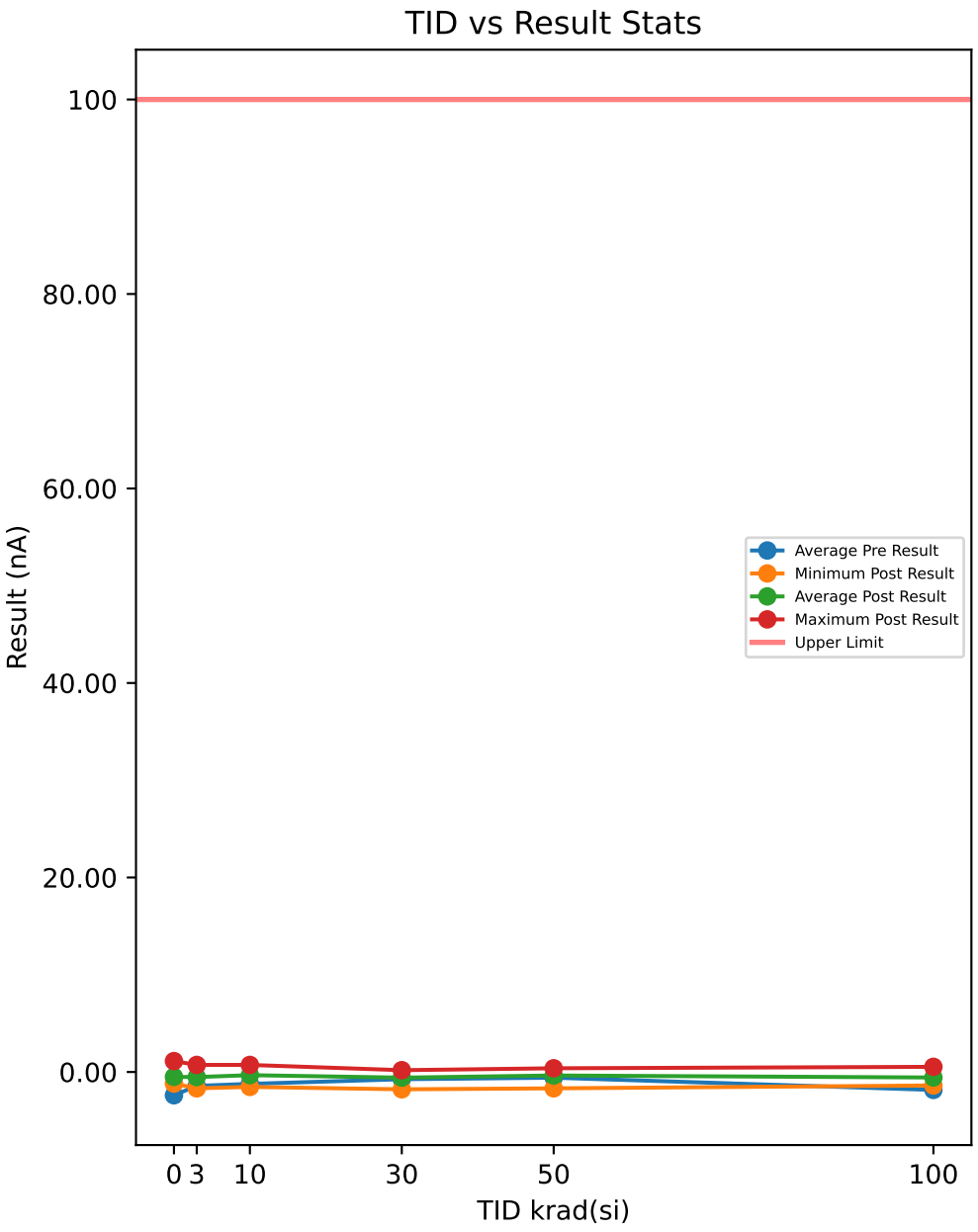
Test Results (Upper Limit = 100.0 (nA))

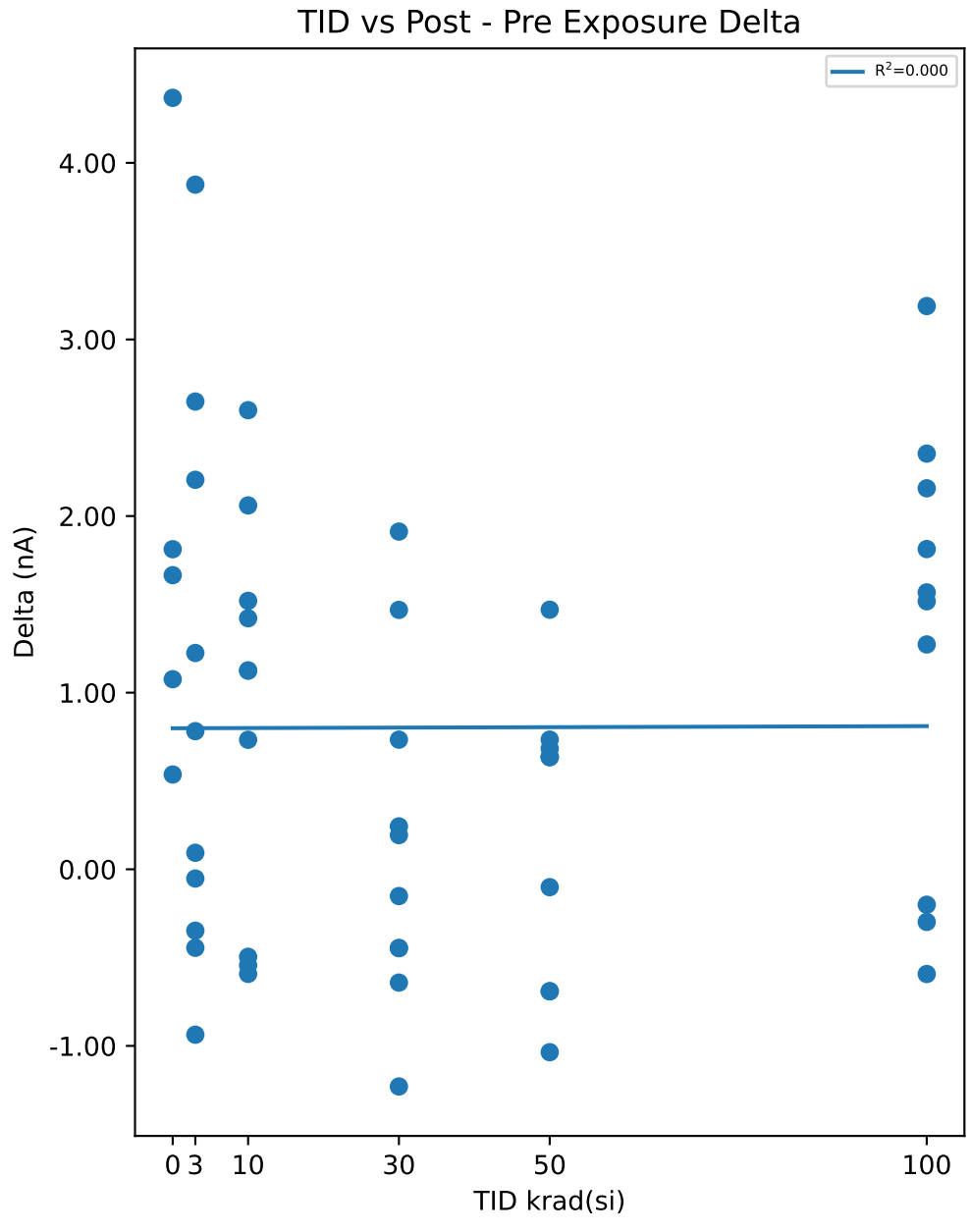
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.14	-1.2619	-2.4019
2	3	Biased	1.2873	-0.6228	-1.9101
3	3	Biased	1.1891	0.262	-0.9271
4	3	Biased	2.0727	0.5078	-1.5649
5	3	Biased	-0.7746	0.901	1.6756
6	3	Unbiased	0.7963	0.4586	-0.3377
7	3	Unbiased	0.2072	-0.6228	-0.83
8	3	Unbiased	0.109	0.4586	0.3496
9	3	Unbiased	0.4527	0.262	-0.1907
10	3	Unbiased	-0.7255	-0.5245	0.201
11	10	Biased	0.6	0.901	0.301
12	10	Biased	0.06	-0.8686	-0.9286
13	10	Biased	1.0909	0.9993	-0.0916
14	10	Biased	0.4036	-0.1313	-0.5349
15	10	Biased	0.2072	-0.2787	-0.4859
16	10	Unbiased	-0.5782	0.4094	0.9876
17	10	Unbiased	0.4527	-0.3279	-0.7806
18	10	Unbiased	0.6981	-0.9178	-1.6159
19	10	Unbiased	-0.7255	0.0654	0.7909
20	10	Unbiased	0.5509	-0.7211	-1.272
21	30	Biased	-0.1364	-1.0652	-0.9288
22	30	Biased	0.7472	0.1145	-0.6327
23	30	Biased	1.68	-0.7703	-2.4503
24	30	Biased	1.3854	0.0654	-1.32
25	30	Biased	-0.2346	1.1468	1.3814
26	30	Unbiased	1.3363	-0.9178	-2.2541
27	30	Unbiased	0.1581	-0.4262	-0.5843
28	30	Unbiased	0.1581	-0.377	-0.5351
29	30	Unbiased	0.0109	-0.033	-0.0439
30	30	Unbiased	0.3054	-0.4262	-0.7316
31	50	Biased	0.109	-0.1804	-0.2894
32	50	Biased	0.6491	0.1637	-0.4854
33	50	Biased	0.6491	0.7535	0.1044
34	50	Biased	0.5509	1.1468	0.5959
35	50	Biased	0.7963	-0.0821	-0.8784
36	50	Unbiased	0.2072	-0.4262	-0.6334
37	50	Unbiased	-0.0873	0.1637	0.251
38	50	Unbiased	0.7472	0.6552	-0.092
39	50	Unbiased	1.9745	0.262	-1.7125
40	50	Unbiased	1.8764	0.901	-0.9754
41	100	Biased	1.2382	1.0485	-0.1897
42	100	Biased	0.8454	0.1145	-0.7309
43	100	Biased	0.9927	0.2128	-0.7799
44	100	Biased	0.3054	1.1959	0.8905
45	100	Biased	2.3673	-1.4093	-3.7766
46	100	Unbiased	0.6981	0.4586	-0.2395
47	100	Unbiased	0.6981	0.4094	-0.2887
48	100	Unbiased	1.5327	0.4094	-1.1233
49	100	Unbiased	0.8945	0.262	-0.6325
50	100	Unbiased	0.5509	0.3603	-0.1906
51	0	Correlation	0.8945	-0.0821	-0.9766
53	0	Correlation	-0.1855	0.0162	0.2017
54	0	Correlation	0.9436	0.8519	-0.0917
55	0	Correlation	1.1891	-0.377	-1.5661
56	0	Correlation	0.6981	0.4094	-0.2887

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	-0.1855	0.70796	1.1891	0.52919	-0.377	0.16368	0.8519	0.47658	-1.5661	-0.54428	0.2017	0.71723
3	-0.7746	0.57542	2.0727	0.90529	-1.2619	-0.0182	0.901	0.6886	-2.4019	-0.59362	1.6756	1.2024
10	-0.7255	0.27597	1.0909	0.56316	-0.9178	-0.08703	0.9993	0.68522	-1.6159	-0.363	0.9876	0.85668
30	-0.2346	0.54104	1.68	0.69726	-1.0652	-0.2689	1.1468	0.64	-2.4503	-0.80994	1.3814	1.0854
50	-0.0873	0.74724	1.9745	0.68612	-0.4262	0.33572	1.1468	0.50991	-1.7125	-0.41152	0.5959	0.67661
100	0.3054	1.0123	2.3673	0.58784	-1.4093	0.30621	1.1959	0.69765	-3.7766	-0.70612	0.8905	1.2059

Device Test: 6.24; ILKG_SENSE





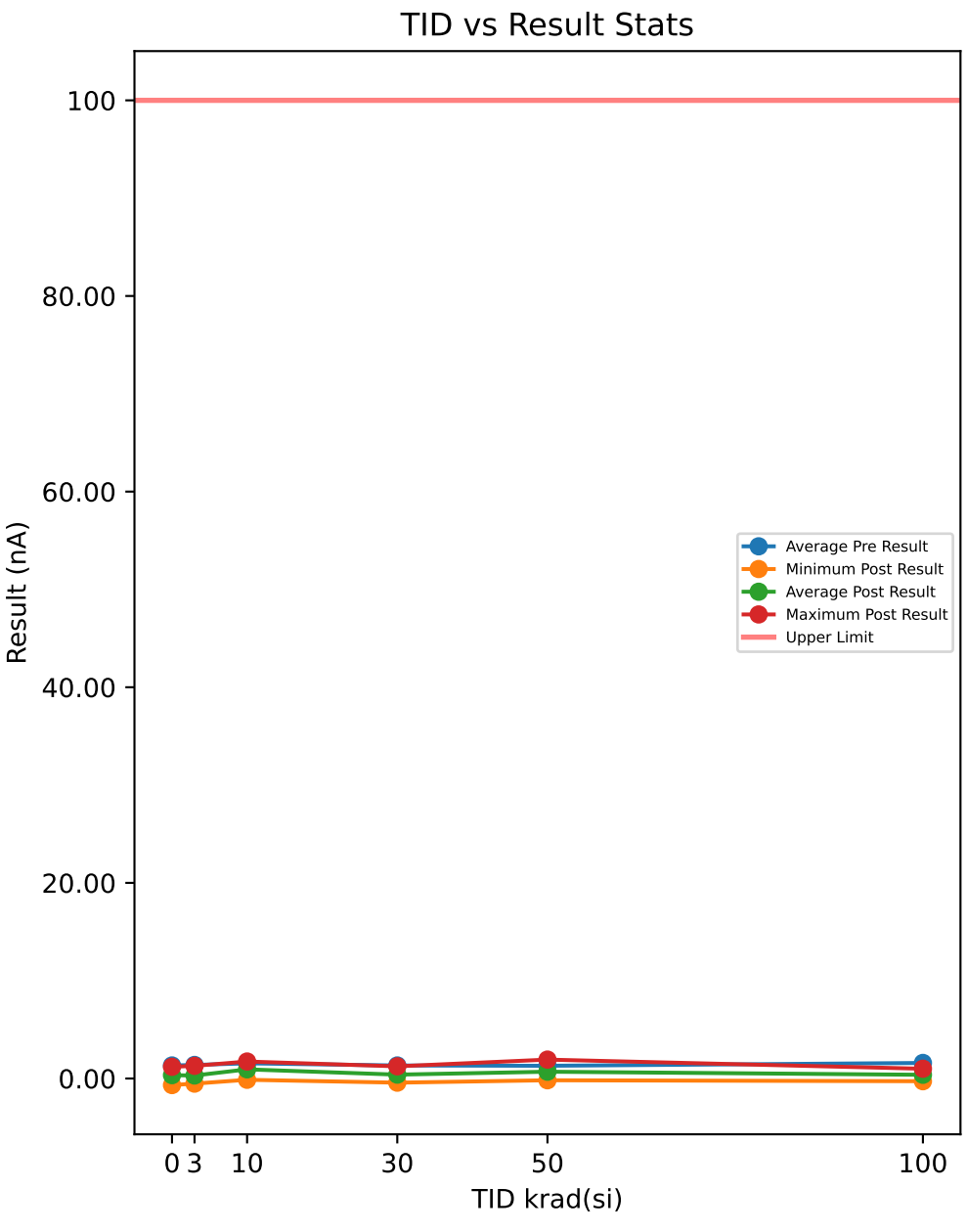
Test Results (Upper Limit = 100.0 (nA))

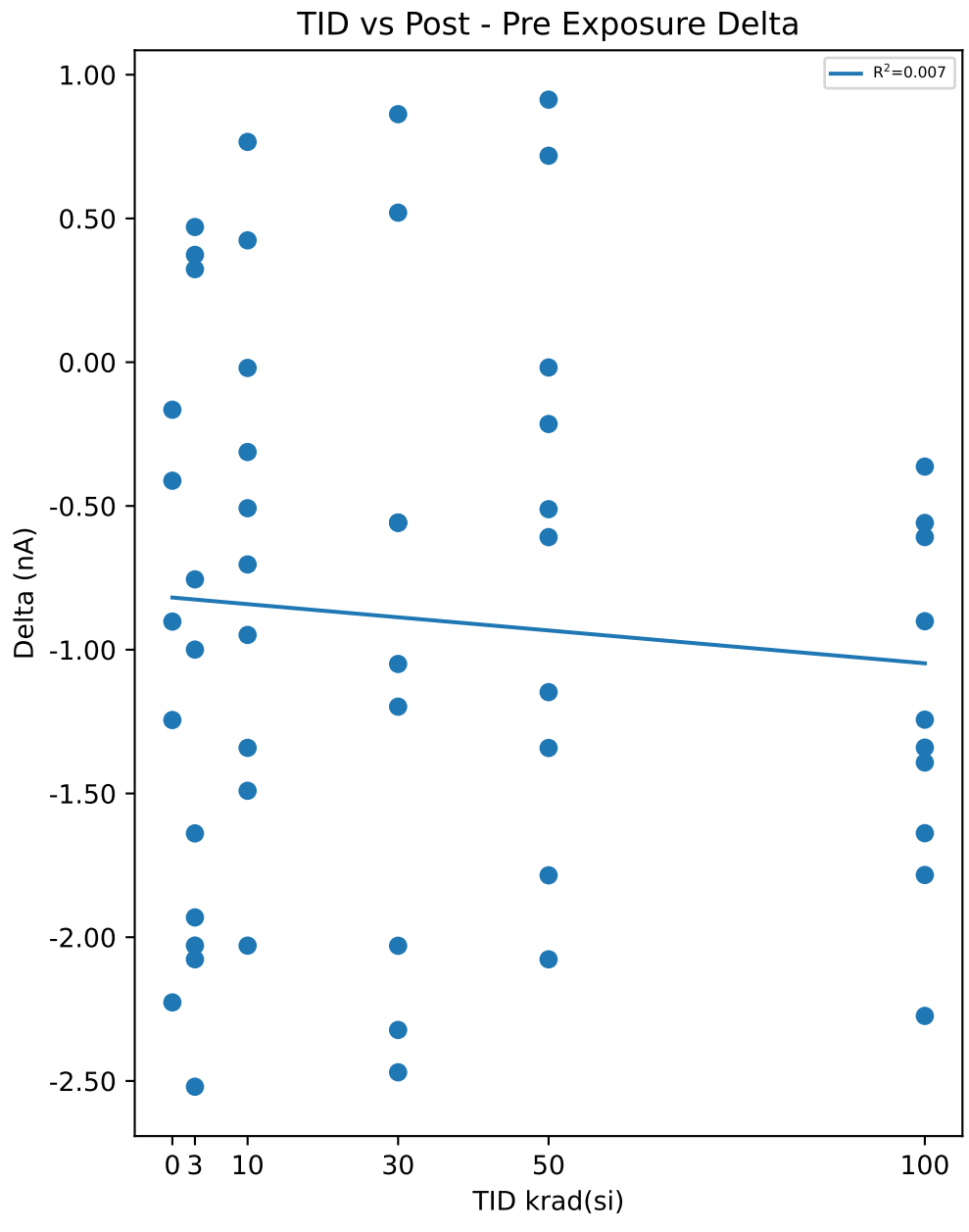
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	-2.561	0.0875	2.6485
2	3	Biased	-3.0519	-0.8465	2.2054
3	3	Biased	-0.1064	-1.0431	-0.9367
4	3	Biased	-1.1373	0.0875	1.2248
5	3	Biased	-1.5301	-0.7481	0.782
6	3	Unbiased	-3.1501	0.7265	3.8766
7	3	Unbiased	-1.7755	-1.6821	0.0934
8	3	Unbiased	0.3354	-0.1091	-0.4445
9	3	Unbiased	-0.45	-0.5024	-0.0524
10	3	Unbiased	-0.8428	-1.1905	-0.3477
11	10	Biased	-1.3337	0.7265	2.0602
12	10	Biased	-0.2537	-0.7973	-0.5436
13	10	Biased	-0.8919	0.6282	1.5201
14	10	Biased	-1.0882	-0.3549	0.7333
15	10	Biased	-1.481	-0.3549	1.1261
16	10	Unbiased	0.1882	-0.4041	-0.5923
17	10	Unbiased	-2.4137	0.1858	2.5995
18	10	Unbiased	-1.2355	0.1858	1.4213
19	10	Unbiased	-1.0391	-1.5346	-0.4955
20	10	Unbiased	-2.6592	-1.5346	1.1246
21	30	Biased	-1.8246	0.0875	1.9121
22	30	Biased	-1.1373	-1.2889	-0.1516
23	30	Biased	-2.6101	-1.1414	1.4687
24	30	Biased	-0.5482	0.1858	0.734
25	30	Biased	-0.4991	-0.3057	0.1934
26	30	Unbiased	-1.3337	-1.7804	-0.4467
27	30	Unbiased	1.2191	-0.0108	-1.2299
28	30	Unbiased	-0.4009	-0.8465	-0.4456
29	30	Unbiased	-0.2537	-0.0108	0.2429
30	30	Unbiased	-0.0573	-0.699	-0.6417
31	50	Biased	-1.5301	-0.8465	0.6836
32	50	Biased	-0.3518	0.2841	0.6359
33	50	Biased	0.1391	-0.5515	-0.6906
34	50	Biased	-0.3028	-0.4041	-0.1013
35	50	Biased	-0.6955	-0.06	0.6355
36	50	Unbiased	-0.6464	-1.6821	-1.0357
37	50	Unbiased	-0.3518	0.3824	0.7342
38	50	Unbiased	-0.5482	0.0875	0.6357
39	50	Unbiased	-1.6282	-0.1583	1.4699
40	50	Unbiased	0.0409	-0.6498	-0.6907
41	100	Biased	-2.6592	0.5299	3.1891
42	100	Biased	-2.2173	-0.4041	1.8132
43	100	Biased	-1.8737	-0.6007	1.273
44	100	Biased	-0.3518	-0.9448	-0.593
45	100	Biased	-2.8065	-1.2889	1.5176
46	100	Unbiased	-0.4009	-0.699	-0.2981
47	100	Unbiased	-1.1864	-1.3872	-0.2008
48	100	Unbiased	-2.561	-0.2074	2.3536
49	100	Unbiased	-2.0701	-0.5024	1.5677
50	100	Unbiased	-2.3155	-0.1583	2.1572
51	0	Correlation	-1.0882	-0.5515	0.5367
53	0	Correlation	-3.0028	-1.1905	1.8123
54	0	Correlation	-2.561	-0.8956	1.6654
55	0	Correlation	-2.0701	-0.9939	1.0762
56	0	Correlation	-3.2483	1.1198	4.3681

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	-3.2483	-2.3941	-1.0882	0.85709	-1.1905	-0.50234	1.1198	0.9359	0.5367	1.8917	4.3681	1.474
3	-3.1501	-1.427	0.3354	1.2137	-1.6821	-0.52203	0.7265	0.72213	-0.9367	0.90494	3.8766	1.5648
10	-2.6592	-1.2208	0.1882	0.85972	-1.5346	-0.32541	0.7265	0.79537	-0.5923	0.89537	2.5995	1.1194
30	-2.6101	-0.74458	1.2191	1.0506	-1.7804	-0.58102	0.1858	0.67487	-1.2299	0.16356	1.9121	0.97333
50	-1.6282	-0.58748	0.1391	0.5872	-1.6821	-0.35983	0.3824	0.61502	-1.0357	0.22765	1.4699	0.80953
100	-2.8065	-1.8442	-0.3518	0.89817	-1.3872	-0.56629	0.5299	0.56622	-0.593	1.2779	3.1891	1.2553

Device Test: 6.25; ILKG_SENSE





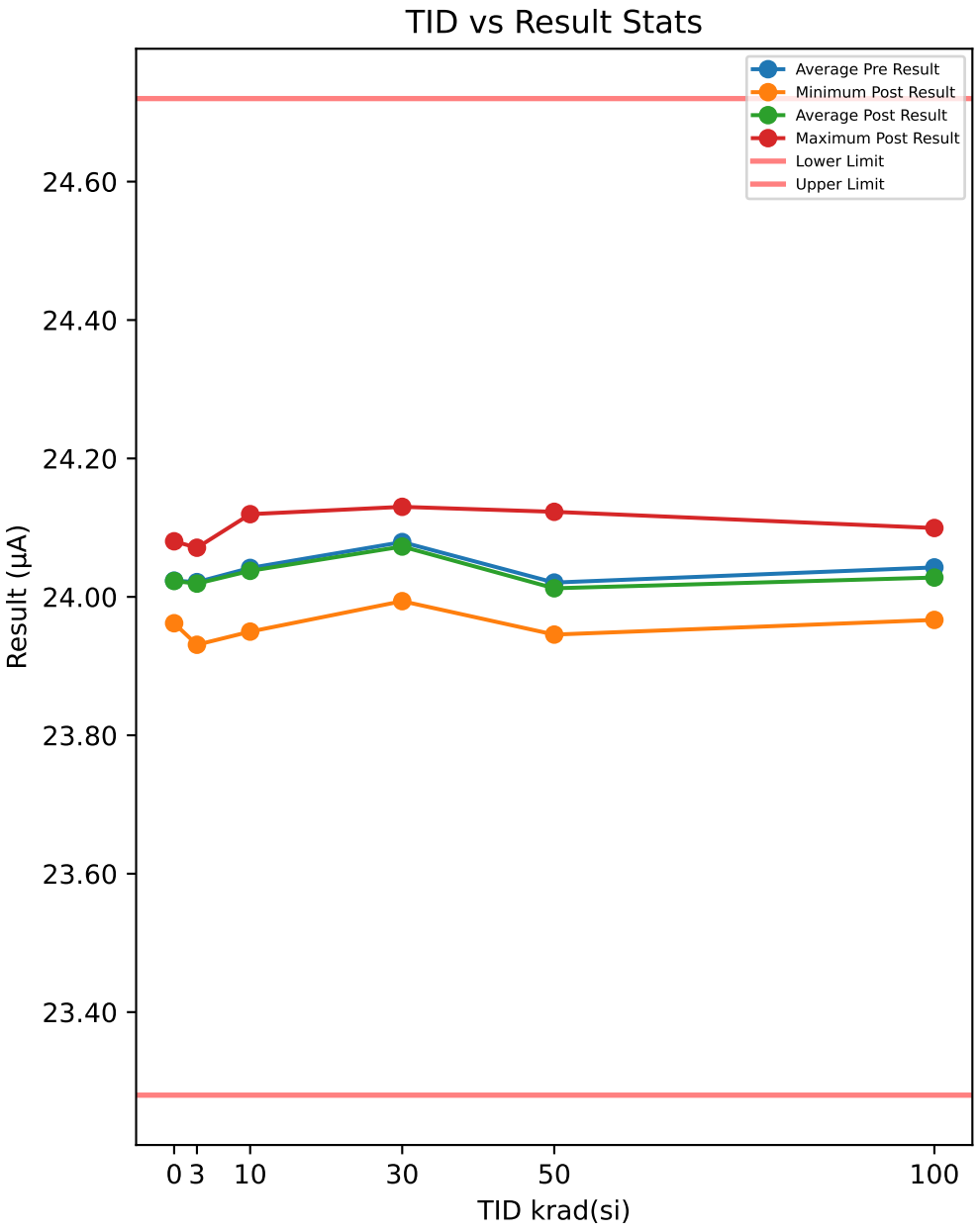
Test Results (Upper Limit = 100.0 (nA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.4094	0.4097	-0.9997
2	3	Biased	1.1157	-0.5232	-1.6389
3	3	Biased	2.3883	0.3115	-2.0768
4	3	Biased	1.9478	-0.0813	-2.0291
5	3	Biased	1.0668	0.3115	-0.7553
6	3	Unbiased	0.92	1.2934	0.3734
7	3	Unbiased	0.4795	0.9497	0.4702
8	3	Unbiased	1.9968	-0.5232	-2.52
9	3	Unbiased	1.8499	-0.0813	-1.9312
10	3	Unbiased	0.6752	0.9988	0.3236
11	10	Biased	0.7242	0.7042	-0.02
12	10	Biased	1.4094	1.097	-0.3124
13	10	Biased	0.92	1.6862	0.7662
14	10	Biased	1.7031	1.1952	-0.5079
15	10	Biased	1.8989	-0.1304	-2.0293
16	10	Unbiased	1.3115	1.7353	0.4238
17	10	Unbiased	2.0947	1.1461	-0.9486
18	10	Unbiased	1.9478	1.2443	-0.7035
19	10	Unbiased	1.4094	-0.0813	-1.4907
20	10	Unbiased	2.0947	0.7533	-1.3414
21	30	Biased	2.2904	-0.0322	-2.3226
22	30	Biased	1.5073	0.9497	-0.5576
23	30	Biased	1.1157	0.5569	-0.5588
24	30	Biased	1.752	-0.2777	-2.0297
25	30	Biased	0.3816	1.2443	0.8627
26	30	Unbiased	0.7242	1.2443	0.5201
27	30	Unbiased	1.2626	0.7042	-0.5584
28	30	Unbiased	2.3394	-0.1304	-2.4698
29	30	Unbiased	0.7731	-0.425	-1.1981
30	30	Unbiased	1.1647	0.1151	-1.0496
31	50	Biased	1.6052	-0.1795	-1.7847
32	50	Biased	1.1647	0.9497	-0.215
33	50	Biased	1.2136	0.066	-1.1476
34	50	Biased	0.5773	0.066	-0.5113
35	50	Biased	0.8221	1.7353	0.9132
36	50	Unbiased	1.2136	1.1952	-0.0184
37	50	Unbiased	0.92	0.3115	-0.6085
38	50	Unbiased	1.9478	0.606	-1.3418
39	50	Unbiased	2.3394	0.2624	-2.077
40	50	Unbiased	1.2136	1.9317	0.7181
41	100	Biased	0.9689	0.3606	-0.6083
42	100	Biased	2.3394	0.9988	-1.3406
43	100	Biased	1.0179	0.4588	-0.5591
44	100	Biased	2.0457	0.8024	-1.2433
45	100	Biased	1.6052	0.7042	-0.901
46	100	Unbiased	2.2415	-0.0322	-2.2737
47	100	Unbiased	1.3605	-0.2777	-1.6382
48	100	Unbiased	0.92	0.5569	-0.3631
49	100	Unbiased	1.9478	0.1642	-1.7836
50	100	Unbiased	1.4584	0.066	-1.3924
51	0	Correlation	1.6052	0.3606	-1.2446
53	0	Correlation	0.92	0.5078	-0.4122
54	0	Correlation	1.3605	1.1952	-0.1653
55	0	Correlation	1.5563	-0.6705	-2.2268
56	0	Correlation	1.2136	0.3115	-0.9021

Test Statistics (nA)

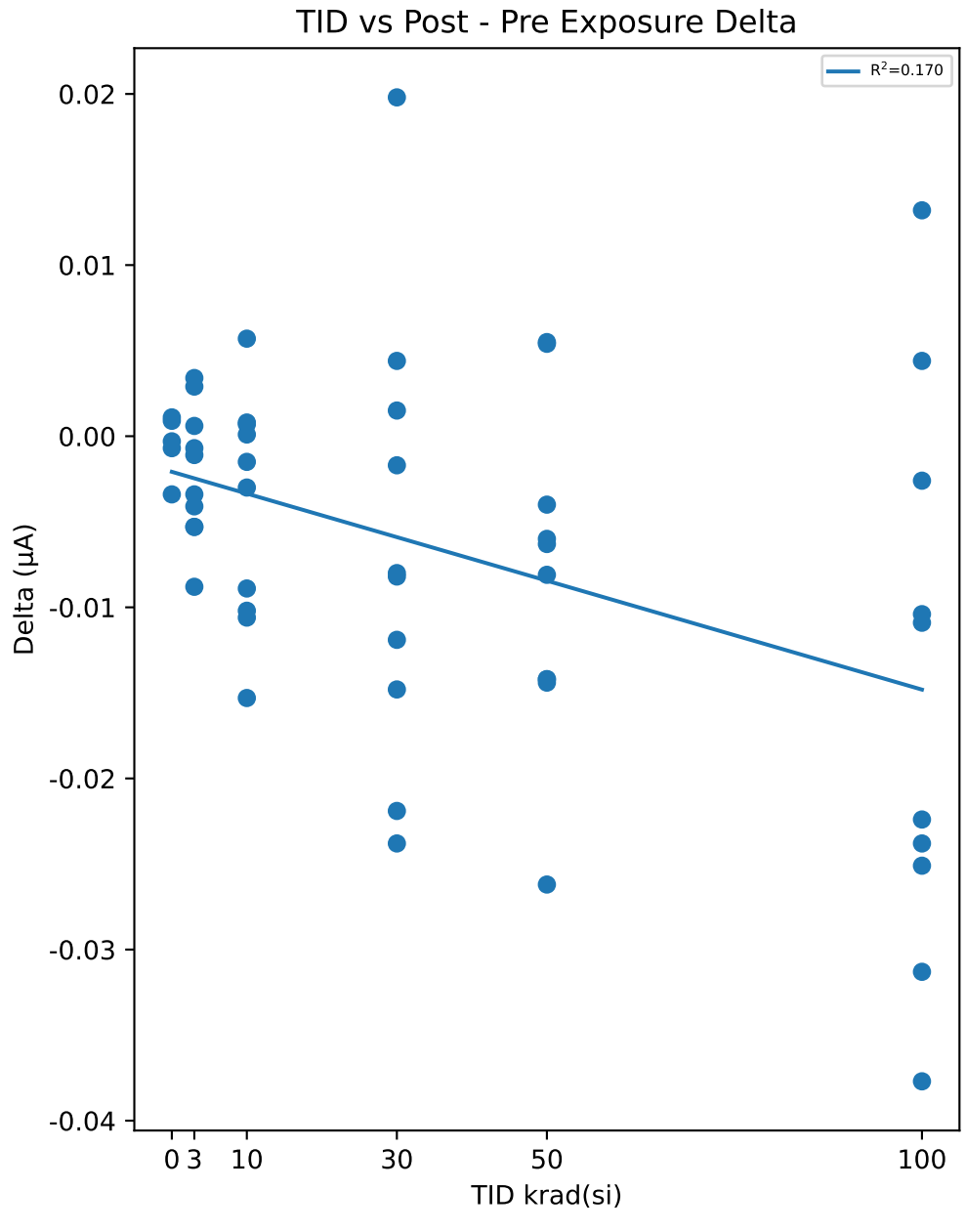
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.92	1.3311	1.6052	0.27817	-0.6705	0.34092	1.1952	0.66743	-2.2268	-0.9902	-0.1653	0.80873
3	0.4795	1.3849	2.3883	0.63492	-0.5232	0.30656	1.2934	0.62851	-2.52	-1.0784	0.4702	1.1354
10	0.7242	1.5514	2.0947	0.47982	-0.1304	0.93499	1.7353	0.64059	-2.0293	-0.61638	0.7662	0.87291
30	0.3816	1.3311	2.3394	0.65023	-0.425	0.39492	1.2443	0.62663	-2.4698	-0.93618	0.8627	1.1223
50	0.5773	1.3017	2.3394	0.53008	-0.1795	0.69443	1.9317	0.73219	-2.077	-0.6073	0.9132	0.99757
100	0.92	1.5905	2.3394	0.5327	-0.2777	0.3802	0.9988	0.40166	-2.2737	-1.2103	-0.3631	0.60495

Device Test: 6.26; IHYS



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

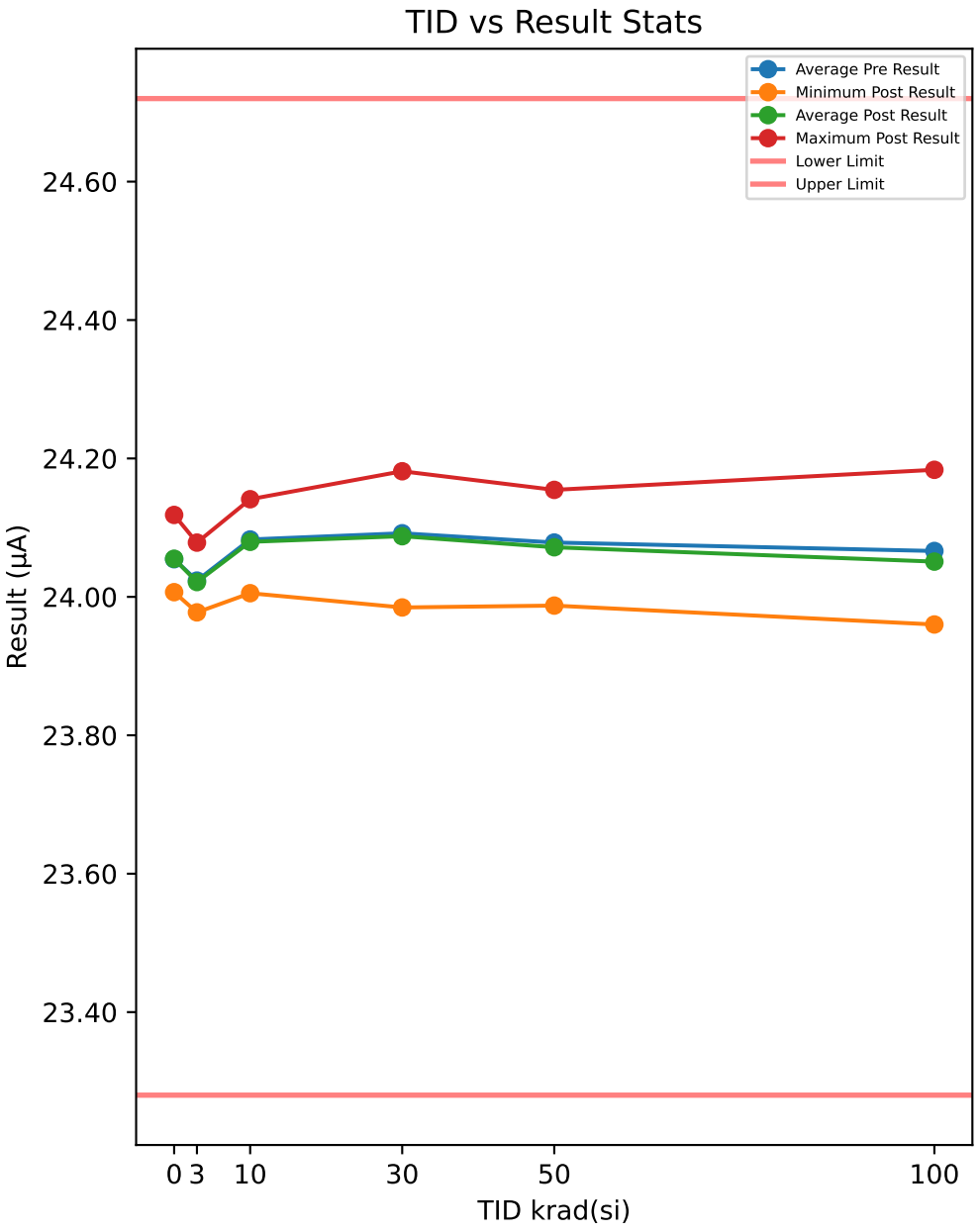
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	24.08	24.071	-0.0088
2	3	Biased	23.995	23.998	0.0029
3	3	Biased	24.017	24.016	-0.0007
4	3	Biased	24.062	24.061	-0.0011
5	3	Biased	24.056	24.053	-0.0034
6	3	Unbiased	24.03	24.03	0.0006
7	3	Unbiased	23.927	23.931	0.0034
8	3	Unbiased	24.048	24.042	-0.0053
9	3	Unbiased	24.027	24.023	-0.0041
10	3	Unbiased	23.972	23.966	-0.0053
11	10	Biased	24.034	24.034	0.0007
12	10	Biased	24.049	24.039	-0.0102
13	10	Biased	24.037	24.037	0.0001
14	10	Biased	24.027	24.017	-0.0106
15	10	Biased	23.959	23.95	-0.0089
16	10	Unbiased	23.989	23.986	-0.003
17	10	Unbiased	24.121	24.119	-0.0015
18	10	Unbiased	24.043	24.044	0.0008
19	10	Unbiased	24.068	24.053	-0.0153
20	10	Unbiased	24.091	24.097	0.0057
21	30	Biased	24.102	24.094	-0.0082
22	30	Biased	24.078	24.08	0.0015
23	30	Biased	24.027	24.047	0.0198
24	30	Biased	24.006	23.994	-0.0119
25	30	Biased	24.138	24.13	-0.008
26	30	Unbiased	24.146	24.124	-0.0219
27	30	Unbiased	24.098	24.074	-0.0238
28	30	Unbiased	24.043	24.028	-0.0148
29	30	Unbiased	24.065	24.069	0.0044
30	30	Unbiased	24.088	24.087	-0.0017
31	50	Biased	24.137	24.123	-0.0142
32	50	Biased	24.011	24.002	-0.0081
33	50	Biased	24.088	24.082	-0.006
34	50	Biased	24.009	23.983	-0.0262
35	50	Biased	23.991	23.985	-0.0063
36	50	Unbiased	23.979	23.985	0.0055
37	50	Unbiased	24.035	24.04	0.0054
38	50	Unbiased	23.95	23.945	-0.004
39	50	Unbiased	23.998	23.983	-0.0142
40	50	Unbiased	24.01	23.996	-0.0144
41	100	Biased	24.091	24.068	-0.0224
42	100	Biased	24.004	23.967	-0.0377
43	100	Biased	24.073	24.062	-0.0109
44	100	Biased	24.017	23.986	-0.0313
45	100	Biased	24.028	24.004	-0.0238
46	100	Unbiased	24.025	24.015	-0.0104
47	100	Unbiased	24.071	24.069	-0.0026
48	100	Unbiased	24.086	24.099	0.0132
49	100	Unbiased	23.981	23.985	0.0044
50	100	Unbiased	24.049	24.024	-0.0251
51	0	Correlation	24.064	24.066	0.0011
53	0	Correlation	24.043	24.044	0.0009
54	0	Correlation	24.084	24.08	-0.0034
55	0	Correlation	23.963	23.962	-0.0007
56	0	Correlation	23.963	23.963	-0.0003



Test Statistics (µA)

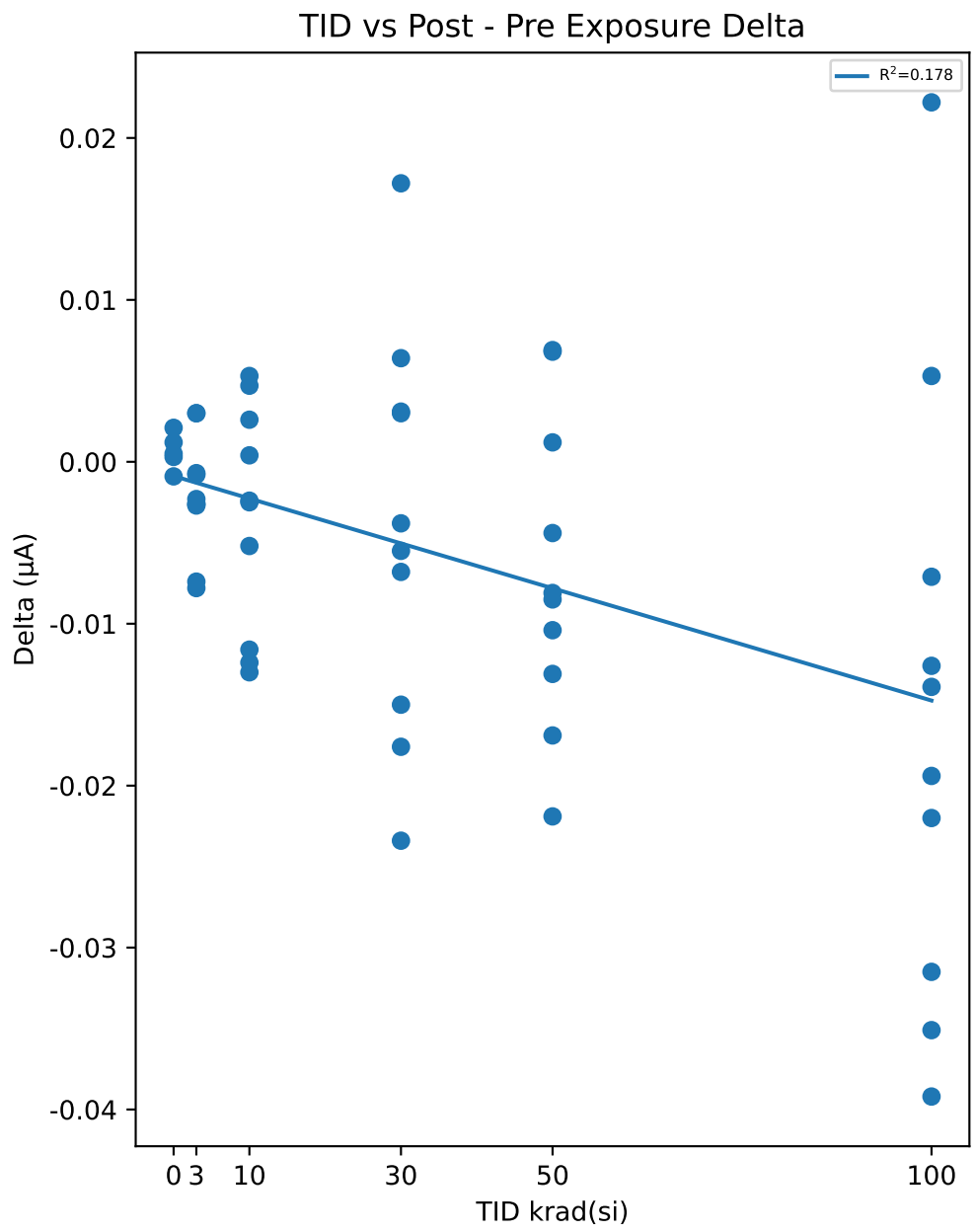
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.963	24.023	24.084	0.057118	23.962	24.023	24.08	0.05679	-0.0034	-0.00048	0.0011	0.0018033
3	23.927	24.021	24.08	0.046034	23.931	24.019	24.071	0.04382	-0.0088	-0.00218	0.0034	0.0038944
10	23.959	24.042	24.121	0.04644	23.95	24.038	24.119	0.048604	-0.0153	-0.00422	0.0057	0.0066374
30	24.006	24.079	24.146	0.045422	23.994	24.073	24.13	0.041566	-0.0238	-0.00646	0.0198	0.013069
50	23.95	24.021	24.137	0.054578	23.945	24.012	24.123	0.053623	-0.0262	-0.00825	0.0055	0.0096215
100	23.981	24.043	24.091	0.037125	23.967	24.028	24.099	0.04424	-0.0377	-0.01466	0.0132	0.016253

Device Test: 6.27; IHYS



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

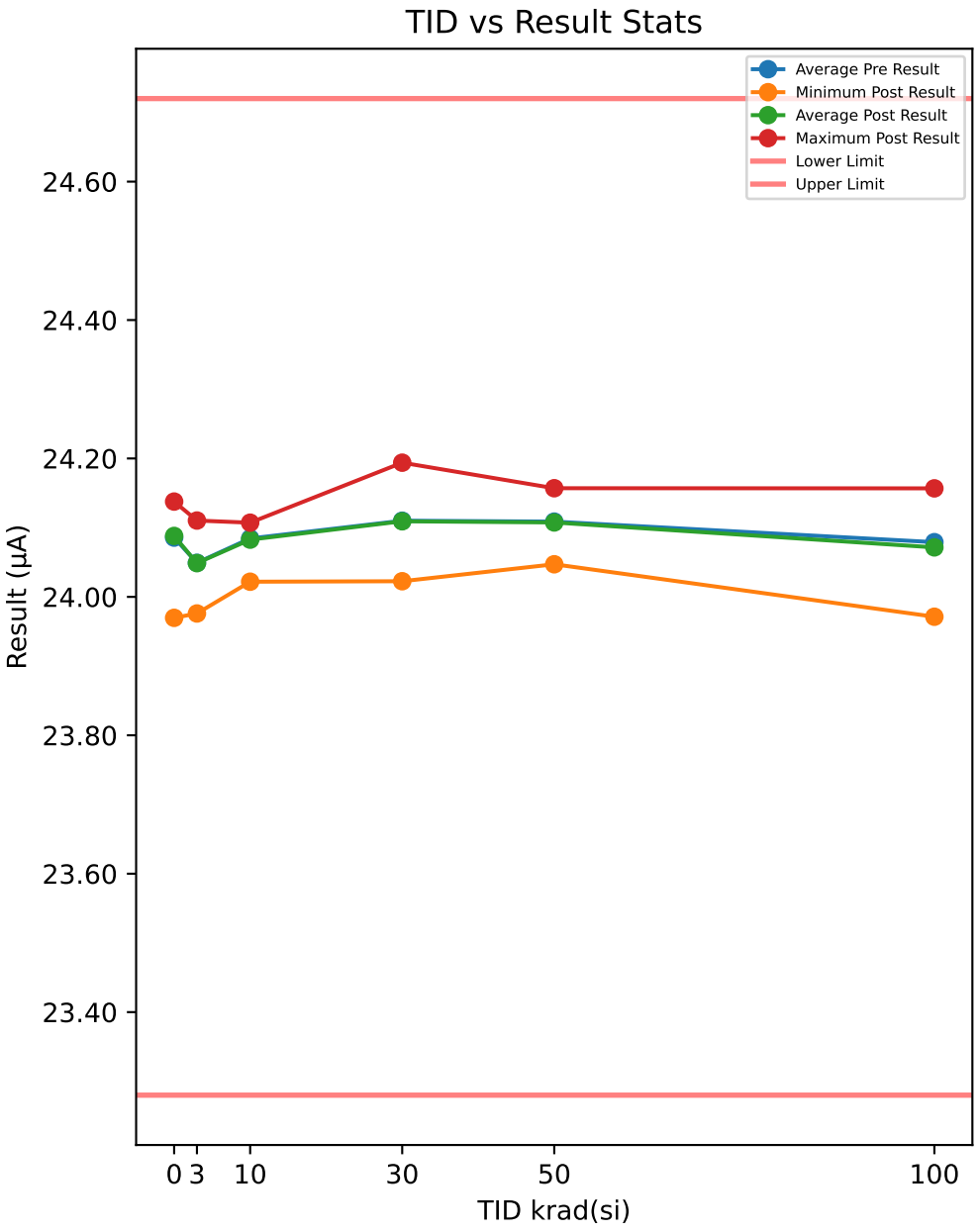
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	24.085	24.077	-0.0078
2	3	Biased	24.028	24.026	-0.0026
3	3	Biased	24.054	24.053	-0.0008
4	3	Biased	24.005	24.004	-0.0007
5	3	Biased	23.98	23.978	-0.0023
6	3	Unbiased	24.007	24.01	0.003
7	3	Unbiased	23.984	23.987	0.003
8	3	Unbiased	24.019	24.017	-0.0027
9	3	Unbiased	24.081	24.078	-0.0026
10	3	Unbiased	23.993	23.986	-0.0074
11	10	Biased	24.053	24.054	0.0004
12	10	Biased	24.018	24.005	-0.013
13	10	Biased	24.095	24.098	0.0026
14	10	Biased	24.077	24.064	-0.0124
15	10	Biased	24.058	24.053	-0.0052
16	10	Unbiased	24.045	24.042	-0.0025
17	10	Unbiased	24.139	24.136	-0.0024
18	10	Unbiased	24.097	24.102	0.0047
19	10	Unbiased	24.112	24.1	-0.0116
20	10	Unbiased	24.136	24.141	0.0053
21	30	Biased	24.187	24.181	-0.0055
22	30	Biased	24.061	24.064	0.0031
23	30	Biased	24.089	24.106	0.0172
24	30	Biased	24.046	24.042	-0.0038
25	30	Biased	24.122	24.115	-0.0068
26	30	Unbiased	24.153	24.13	-0.0234
27	30	Unbiased	24.002	23.985	-0.0176
28	30	Unbiased	24.07	24.055	-0.015
29	30	Unbiased	24.173	24.18	0.0064
30	30	Unbiased	24.015	24.018	0.003
31	50	Biased	24.172	24.155	-0.0169
32	50	Biased	24.087	24.077	-0.0104
33	50	Biased	24.141	24.133	-0.0081
34	50	Biased	24.054	24.032	-0.0219
35	50	Biased	24.009	24.011	0.0012
36	50	Unbiased	24.003	24.01	0.0069
37	50	Unbiased	24.109	24.116	0.0068
38	50	Unbiased	24.058	24.054	-0.0044
39	50	Unbiased	23.996	23.987	-0.0085
40	50	Unbiased	24.157	24.144	-0.0131
41	100	Biased	24.126	24.095	-0.0315
42	100	Biased	24.072	24.033	-0.0392
43	100	Biased	23.984	23.97	-0.0139
44	100	Biased	23.995	23.96	-0.0351
45	100	Biased	24.065	24.043	-0.022
46	100	Unbiased	24.124	24.112	-0.0126
47	100	Unbiased	24.133	24.126	-0.0071
48	100	Unbiased	24.161	24.184	0.0222
49	100	Unbiased	24.003	24.008	0.0053
50	100	Unbiased	24	23.98	-0.0194
51	0	Correlation	24.054	24.055	0.0005
53	0	Correlation	24.116	24.118	0.0021
54	0	Correlation	24.088	24.088	0.0003
55	0	Correlation	24.006	24.007	0.0012
56	0	Correlation	24.008	24.007	-0.0009



Test Statistics (µA)

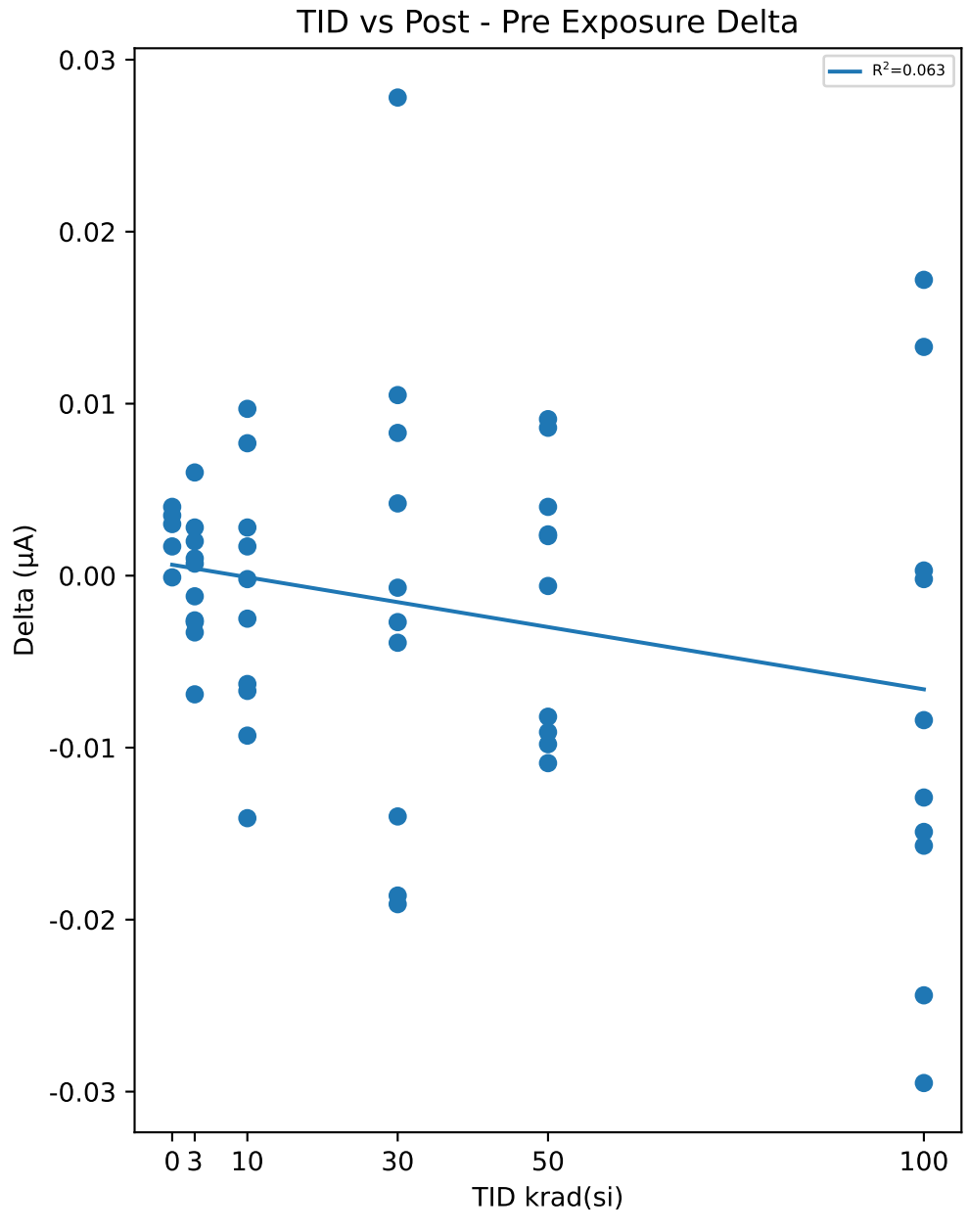
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	24.006	24.054	24.116	0.048802	24.007	24.055	24.118	0.049444	-0.0009	0.00064	0.0021	0.0011127
3	23.98	24.024	24.085	0.03805	23.978	24.021	24.078	0.036796	-0.0078	-0.00209	0.003	0.0036078
10	24.018	24.083	24.139	0.039761	24.005	24.08	24.141	0.043139	-0.013	-0.00341	0.0053	0.0069697
30	24.002	24.092	24.187	0.064823	23.985	24.088	24.181	0.066066	-0.0234	-0.00424	0.0172	0.012242
50	23.996	24.079	24.172	0.064918	23.987	24.072	24.155	0.06168	-0.0219	-0.00684	0.0069	0.0096012
100	23.984	24.066	24.161	0.067265	23.96	24.051	24.184	0.075107	-0.0392	-0.01533	0.0222	0.01884

Device Test: 6.28; IHYS



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

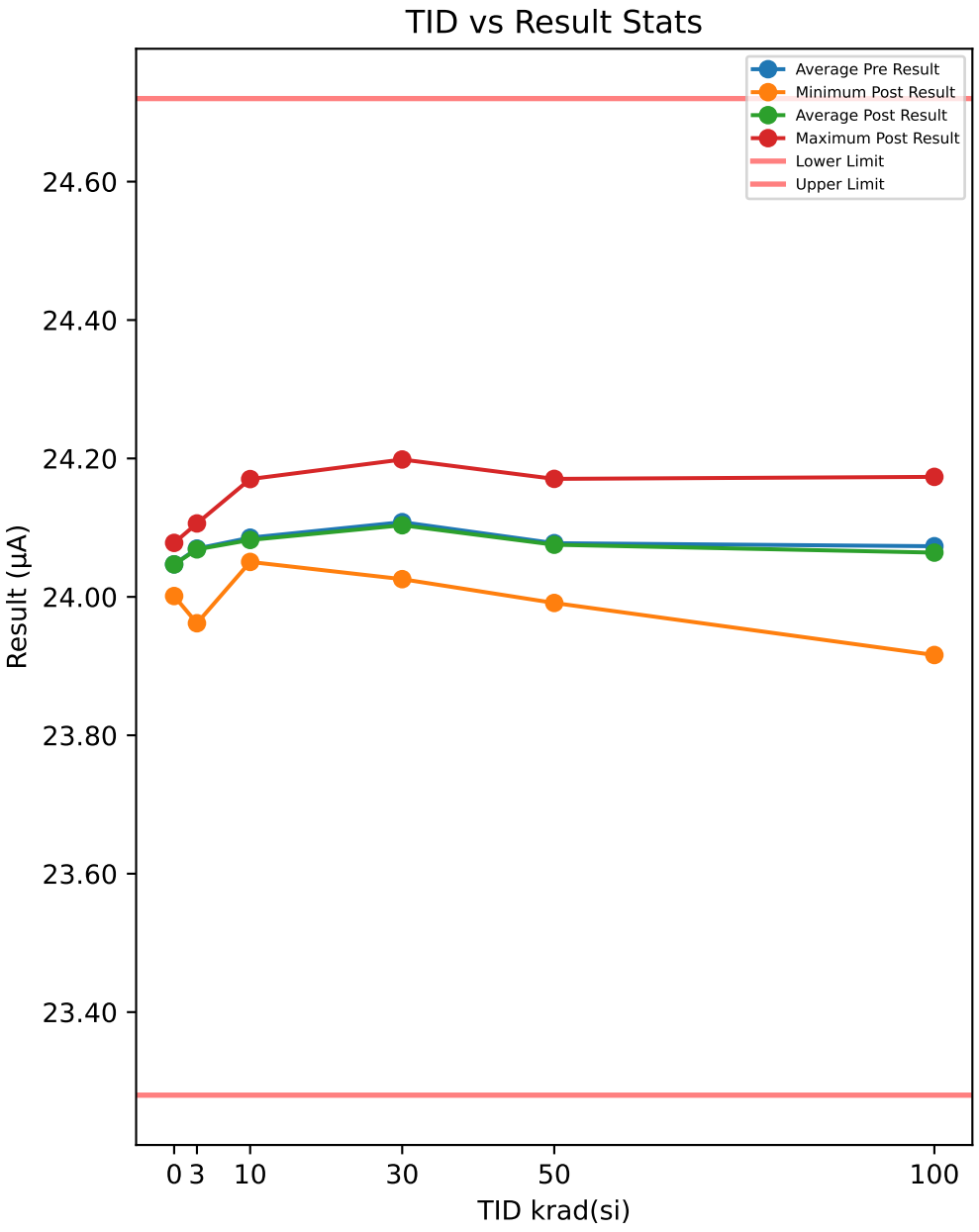
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	24.117	24.11	-0.0069
2	3	Biased	24.025	24.028	0.0028
3	3	Biased	24.099	24.101	0.002
4	3	Biased	24.101	24.102	0.001
5	3	Biased	24.035	24.033	-0.0027
6	3	Unbiased	24.035	24.036	0.0007
7	3	Unbiased	23.97	23.976	0.006
8	3	Unbiased	24.08	24.079	-0.0012
9	3	Unbiased	24.025	24.022	-0.0026
10	3	Unbiased	24.004	24.001	-0.0033
11	10	Biased	24.088	24.09	0.0028
12	10	Biased	24.101	24.092	-0.0093
13	10	Biased	24.066	24.067	0.0017
14	10	Biased	24.029	24.022	-0.0067
15	10	Biased	24.078	24.071	-0.0063
16	10	Unbiased	24.106	24.106	-0.0002
17	10	Unbiased	24.072	24.069	-0.0025
18	10	Unbiased	24.098	24.107	0.0097
19	10	Unbiased	24.118	24.104	-0.0141
20	10	Unbiased	24.09	24.098	0.0077
21	30	Biased	24.197	24.194	-0.0027
22	30	Biased	24.093	24.104	0.0105
23	30	Biased	24.07	24.098	0.0278
24	30	Biased	24.026	24.023	-0.0039
25	30	Biased	24.105	24.104	-0.0007
26	30	Unbiased	24.156	24.137	-0.0191
27	30	Unbiased	24.122	24.103	-0.0186
28	30	Unbiased	24.106	24.092	-0.014
29	30	Unbiased	24.118	24.127	0.0083
30	30	Unbiased	24.106	24.111	0.0042
31	50	Biased	24.166	24.157	-0.0091
32	50	Biased	24.074	24.076	0.0023
33	50	Biased	24.116	24.116	-0.0006
34	50	Biased	24.093	24.082	-0.0109
35	50	Biased	24.124	24.133	0.0091
36	50	Unbiased	24.148	24.157	0.0086
37	50	Unbiased	24.047	24.051	0.004
38	50	Unbiased	24.113	24.115	0.0024
39	50	Unbiased	24.055	24.047	-0.0082
40	50	Unbiased	24.152	24.142	-0.0098
41	100	Biased	24.142	24.128	-0.0149
42	100	Biased	24.038	24.009	-0.0295
43	100	Biased	24.044	24.045	0.0003
44	100	Biased	23.996	23.971	-0.0244
45	100	Biased	24.061	24.061	-0.0002
46	100	Unbiased	24.119	24.106	-0.0129
47	100	Unbiased	24.165	24.157	-0.0084
48	100	Unbiased	24.131	24.148	0.0172
49	100	Unbiased	24.012	24.025	0.0133
50	100	Unbiased	24.082	24.066	-0.0157
51	0	Correlation	24.121	24.123	0.0017
53	0	Correlation	24.134	24.138	0.004
54	0	Correlation	24.092	24.095	0.003
55	0	Correlation	24.111	24.114	0.0035
56	0	Correlation	23.97	23.97	-0.0001

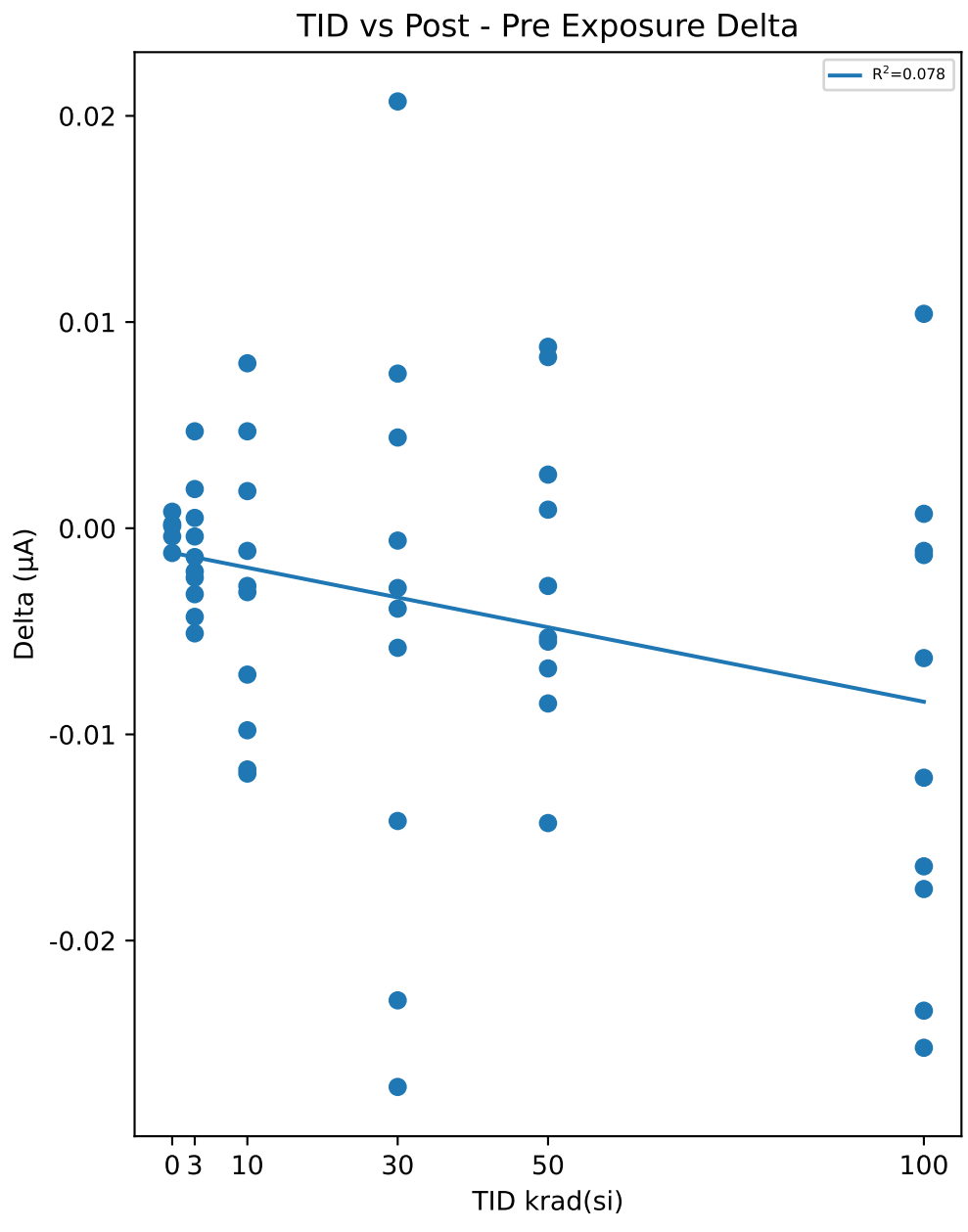


Test Statistics (µA)

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	23.97	24.086	24.134	0.066491	23.97	24.088	24.138	0.0679	-0.0001	0.00242	0.004	0.0016483
3	23.97	24.049	24.117	0.047879	23.976	24.049	24.11	0.046473	-0.0069	-0.00042	0.006	0.0036751
10	24.029	24.084	24.118	0.025348	24.022	24.083	24.107	0.026277	-0.0141	-0.00172	0.0097	0.0075329
30	24.026	24.11	24.197	0.045601	24.023	24.109	24.194	0.042507	-0.0191	-0.00082	0.0278	0.014502
50	24.047	24.109	24.166	0.04111	24.047	24.108	24.157	0.04135	-0.0109	-0.00122	0.0091	0.0077042
100	23.996	24.079	24.165	0.058103	23.971	24.072	24.157	0.061885	-0.0295	-0.00752	0.0172	0.015197

Device Test: 6.29; IHYS





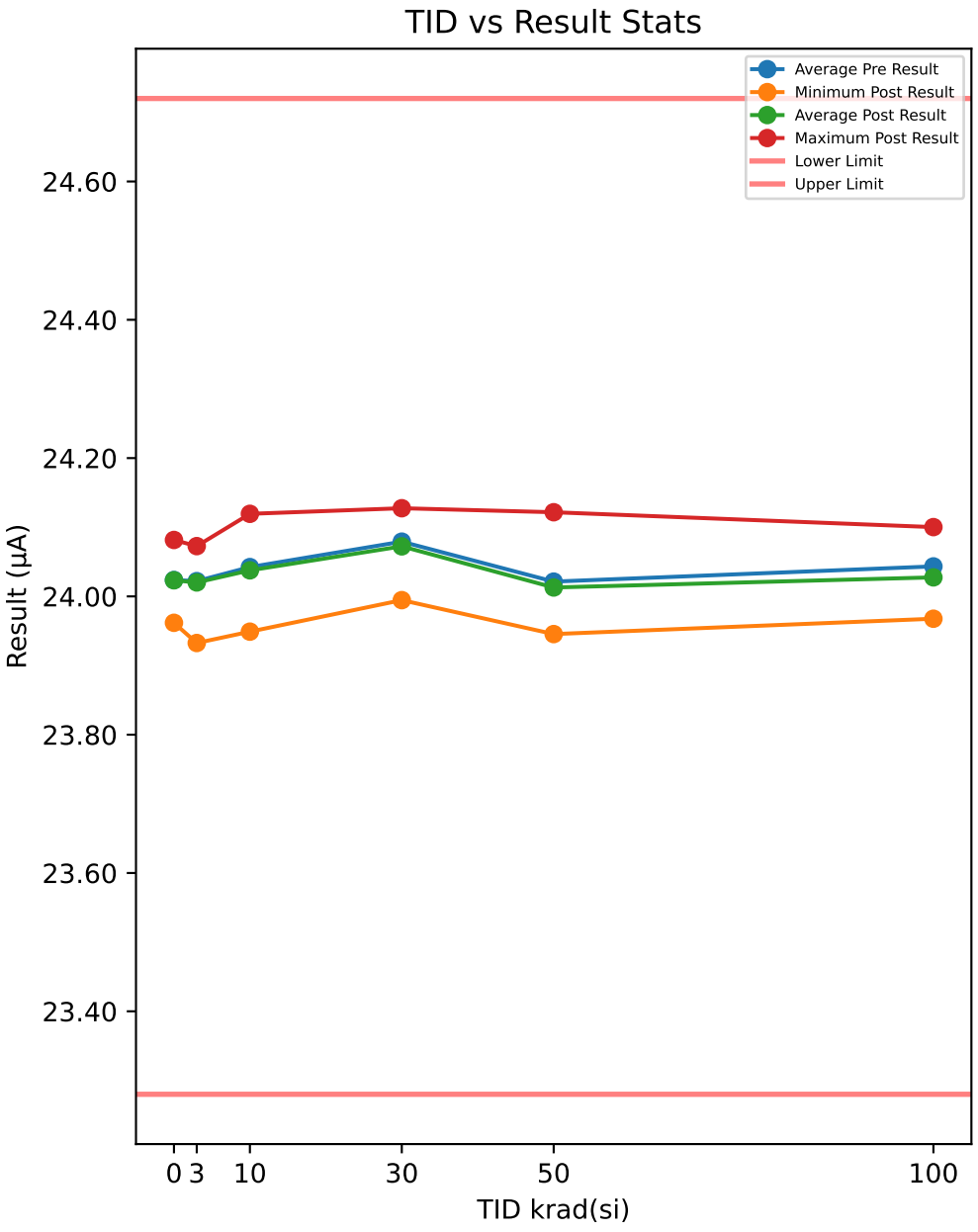
Test Results (Lower Limit = 23.28, Upper Limit = 24.72 (µA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	24.111	24.106	-0.0051
2	3	Biased	24.052	24.052	-0.0004
3	3	Biased	24.099	24.1	0.0019
4	3	Biased	24.078	24.076	-0.0024
5	3	Biased	24.056	24.054	-0.0021
6	3	Unbiased	24.092	24.092	0.0005
7	3	Unbiased	23.957	23.962	0.0047
8	3	Unbiased	24.093	24.092	-0.0014
9	3	Unbiased	24.068	24.063	-0.0043
10	3	Unbiased	24.092	24.089	-0.0032
11	10	Biased	24.079	24.078	-0.0011
12	10	Biased	24.076	24.064	-0.0117
13	10	Biased	24.062	24.064	0.0018
14	10	Biased	24.078	24.068	-0.0098
15	10	Biased	24.058	24.05	-0.0071
16	10	Unbiased	24.11	24.107	-0.0031
17	10	Unbiased	24.173	24.17	-0.0028
18	10	Unbiased	24.05	24.054	0.0047
19	10	Unbiased	24.068	24.056	-0.0119
20	10	Unbiased	24.103	24.111	0.008
21	30	Biased	24.204	24.198	-0.0058
22	30	Biased	24.05	24.054	0.0044
23	30	Biased	24.058	24.079	0.0207
24	30	Biased	24.029	24.026	-0.0029
25	30	Biased	24.084	24.08	-0.0039
26	30	Unbiased	24.183	24.156	-0.0271
27	30	Unbiased	24.171	24.148	-0.0229
28	30	Unbiased	24.118	24.104	-0.0142
29	30	Unbiased	24.117	24.125	0.0075
30	30	Unbiased	24.066	24.065	-0.0006
31	50	Biased	24.177	24.171	-0.0068
32	50	Biased	24.065	24.059	-0.0055
33	50	Biased	24.107	24.108	0.0009
34	50	Biased	24.059	24.045	-0.0143
35	50	Biased	24.101	24.109	0.0083
36	50	Unbiased	23.982	23.991	0.0088
37	50	Unbiased	24.043	24.045	0.0026
38	50	Unbiased	24.077	24.074	-0.0028
39	50	Unbiased	24.107	24.101	-0.0053
40	50	Unbiased	24.058	24.049	-0.0085
41	100	Biased	24.098	24.082	-0.0164
42	100	Biased	24.143	24.126	-0.0175
43	100	Biased	24.056	24.054	-0.0013
44	100	Biased	23.939	23.916	-0.0234
45	100	Biased	24.057	24.051	-0.0063
46	100	Unbiased	24.124	24.112	-0.0121
47	100	Unbiased	24.125	24.124	-0.0011
48	100	Unbiased	24.163	24.173	0.0104
49	100	Unbiased	23.943	23.944	0.0007
50	100	Unbiased	24.083	24.058	-0.0252
51	0	Correlation	24.049	24.048	-0.0012
53	0	Correlation	24.078	24.078	0.0002
54	0	Correlation	24.045	24.044	-0.0004
55	0	Correlation	24.063	24.063	0.0001
56	0	Correlation	24	24.001	0.0008

Test Statistics (µA)

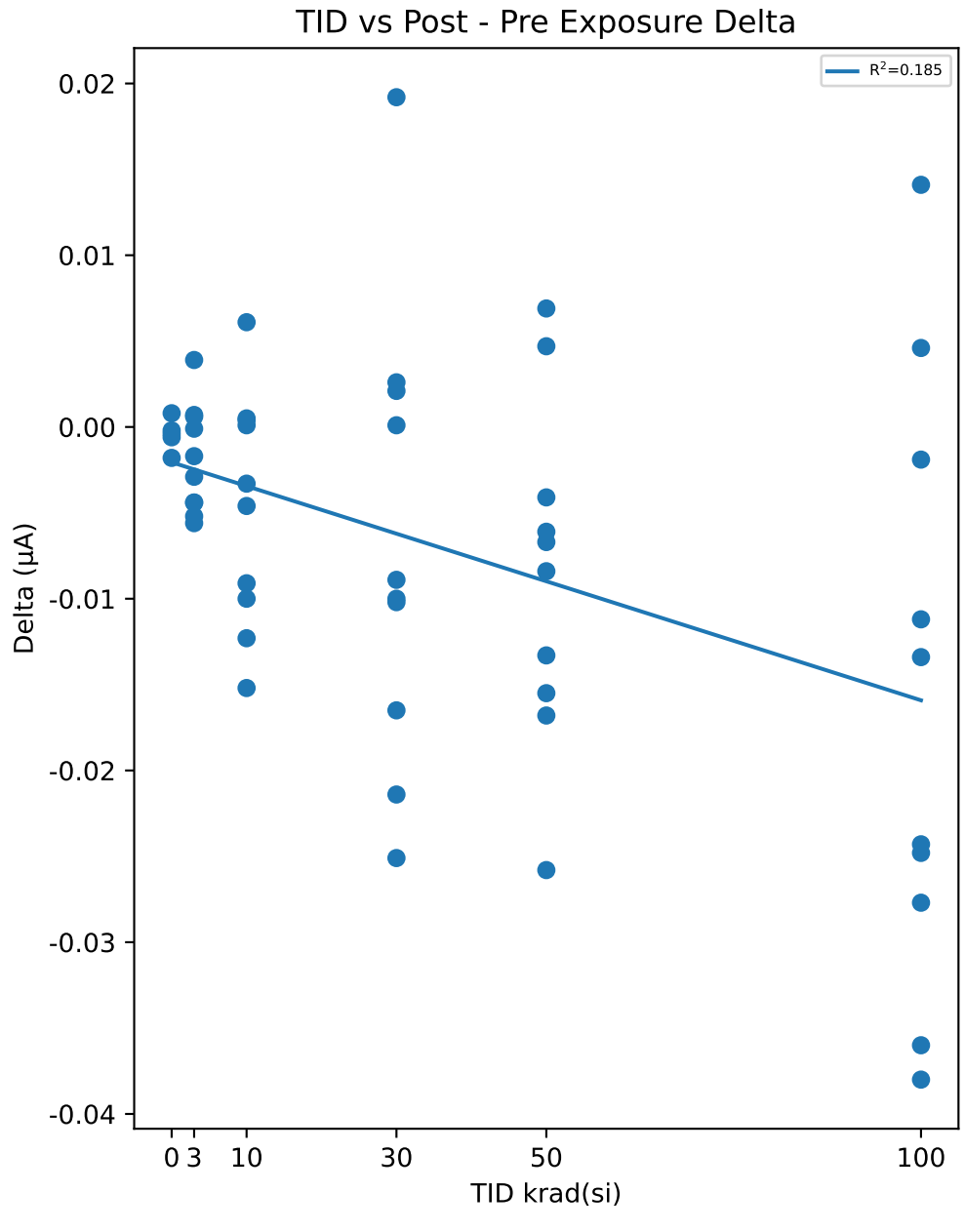
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	24	24.047	24.078	0.029104	24.001	24.047	24.078	0.028846	-0.0012	-0.0001	0.0008	0.00074833
3	23.957	24.07	24.111	0.04387	23.962	24.069	24.106	0.042022	-0.0051	-0.00118	0.0047	0.0029638
10	24.05	24.086	24.173	0.036045	24.05	24.082	24.17	0.037344	-0.0119	-0.0033	0.008	0.0068641
30	24.029	24.108	24.204	0.061077	24.026	24.104	24.198	0.053026	-0.0271	-0.00448	0.0207	0.014226
50	23.982	24.078	24.177	0.050913	23.991	24.075	24.171	0.049151	-0.0143	-0.00226	0.0088	0.0073936
100	23.939	24.073	24.163	0.07774	23.916	24.064	24.173	0.080751	-0.0252	-0.00922	0.0104	0.011573

Device Test: 6.30; IHYS



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

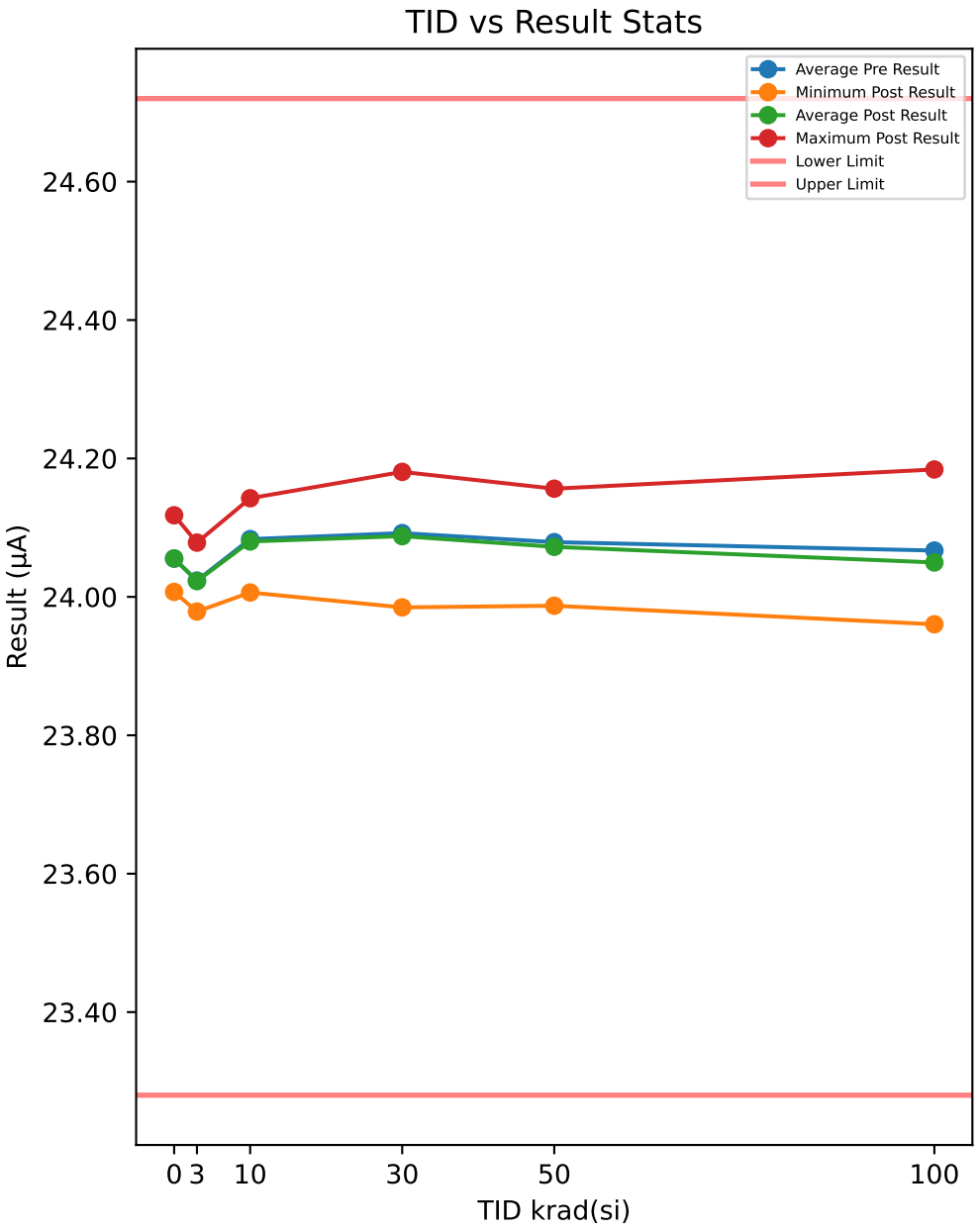
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	24.078	24.073	-0.0056
2	3	Biased	23.997	23.997	-0.0001
3	3	Biased	24.017	24.018	0.0006
4	3	Biased	24.063	24.06	-0.0029
5	3	Biased	24.056	24.055	-0.0017
6	3	Unbiased	24.03	24.031	0.0007
7	3	Unbiased	23.929	23.933	0.0039
8	3	Unbiased	24.049	24.044	-0.0044
9	3	Unbiased	24.029	24.024	-0.0052
10	3	Unbiased	23.972	23.968	-0.0044
11	10	Biased	24.034	24.034	0.0005
12	10	Biased	24.049	24.04	-0.0091
13	10	Biased	24.038	24.038	0.0001
14	10	Biased	24.029	24.016	-0.0123
15	10	Biased	23.959	23.949	-0.01
16	10	Unbiased	23.991	23.986	-0.0046
17	10	Unbiased	24.123	24.119	-0.0033
18	10	Unbiased	24.043	24.043	0.0004
19	10	Unbiased	24.07	24.055	-0.0152
20	10	Unbiased	24.09	24.096	0.0061
21	30	Biased	24.103	24.094	-0.0089
22	30	Biased	24.078	24.08	0.0021
23	30	Biased	24.028	24.047	0.0192
24	30	Biased	24.005	23.995	-0.01
25	30	Biased	24.138	24.128	-0.0102
26	30	Unbiased	24.145	24.123	-0.0214
27	30	Unbiased	24.098	24.073	-0.0251
28	30	Unbiased	24.043	24.027	-0.0165
29	30	Unbiased	24.067	24.07	0.0026
30	30	Unbiased	24.087	24.087	0.0001
31	50	Biased	24.139	24.122	-0.0168
32	50	Biased	24.011	24.004	-0.0067
33	50	Biased	24.088	24.082	-0.0061
34	50	Biased	24.01	23.984	-0.0258
35	50	Biased	23.994	23.986	-0.0084
36	50	Unbiased	23.98	23.985	0.0047
37	50	Unbiased	24.035	24.042	0.0069
38	50	Unbiased	23.95	23.945	-0.0041
39	50	Unbiased	23.997	23.984	-0.0133
40	50	Unbiased	24.011	23.996	-0.0155
41	100	Biased	24.092	24.067	-0.0248
42	100	Biased	24.006	23.968	-0.038
43	100	Biased	24.073	24.061	-0.0112
44	100	Biased	24.02	23.984	-0.036
45	100	Biased	24.029	24.005	-0.0243
46	100	Unbiased	24.027	24.014	-0.0134
47	100	Unbiased	24.07	24.068	-0.0019
48	100	Unbiased	24.086	24.1	0.0141
49	100	Unbiased	23.98	23.985	0.0046
50	100	Unbiased	24.051	24.024	-0.0277
51	0	Correlation	24.066	24.065	-0.0004
53	0	Correlation	24.043	24.044	0.0008
54	0	Correlation	24.082	24.082	-0.0006
55	0	Correlation	23.964	23.963	-0.0002
56	0	Correlation	23.964	23.962	-0.0018

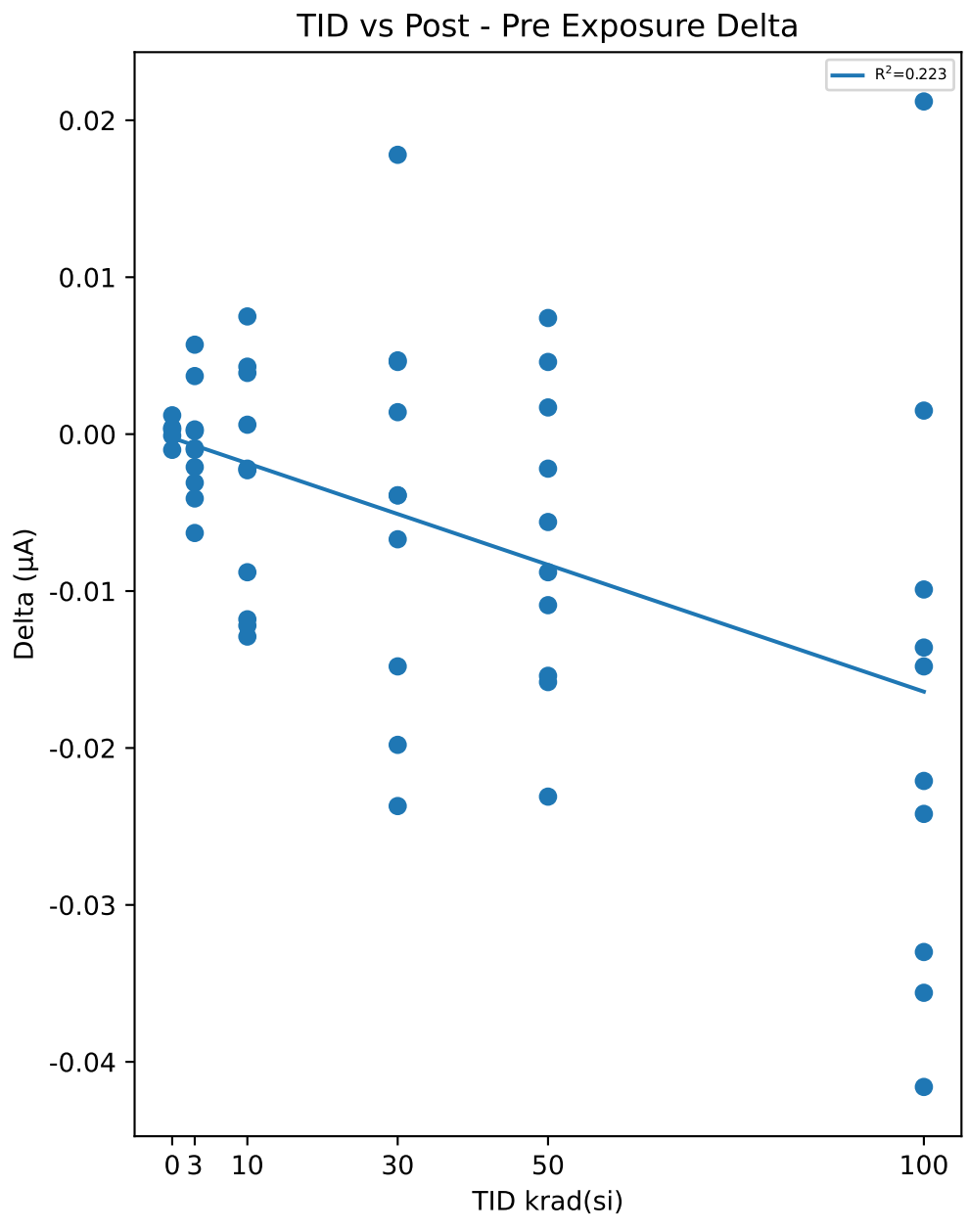


Test Statistics (µA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.964	24.024	24.082	0.056548	23.962	24.023	24.082	0.056926	-0.0018	-0.00044	0.0008	0.00093167
3	23.929	24.022	24.078	0.045539	23.933	24.02	24.073	0.0437	-0.0056	-0.00191	0.0039	0.0031271
10	23.959	24.042	24.123	0.046382	23.949	24.038	24.119	0.048692	-0.0152	-0.00474	0.0061	0.0067507
30	24.005	24.079	24.145	0.045135	23.995	24.072	24.128	0.041038	-0.0251	-0.00681	0.0192	0.013164
50	23.95	24.021	24.139	0.054636	23.945	24.013	24.122	0.053292	-0.0258	-0.00851	0.0069	0.0098882
100	23.98	24.043	24.092	0.036938	23.968	24.028	24.1	0.044325	-0.038	-0.01586	0.0141	0.017404

Device Test: 6.31; IHYS





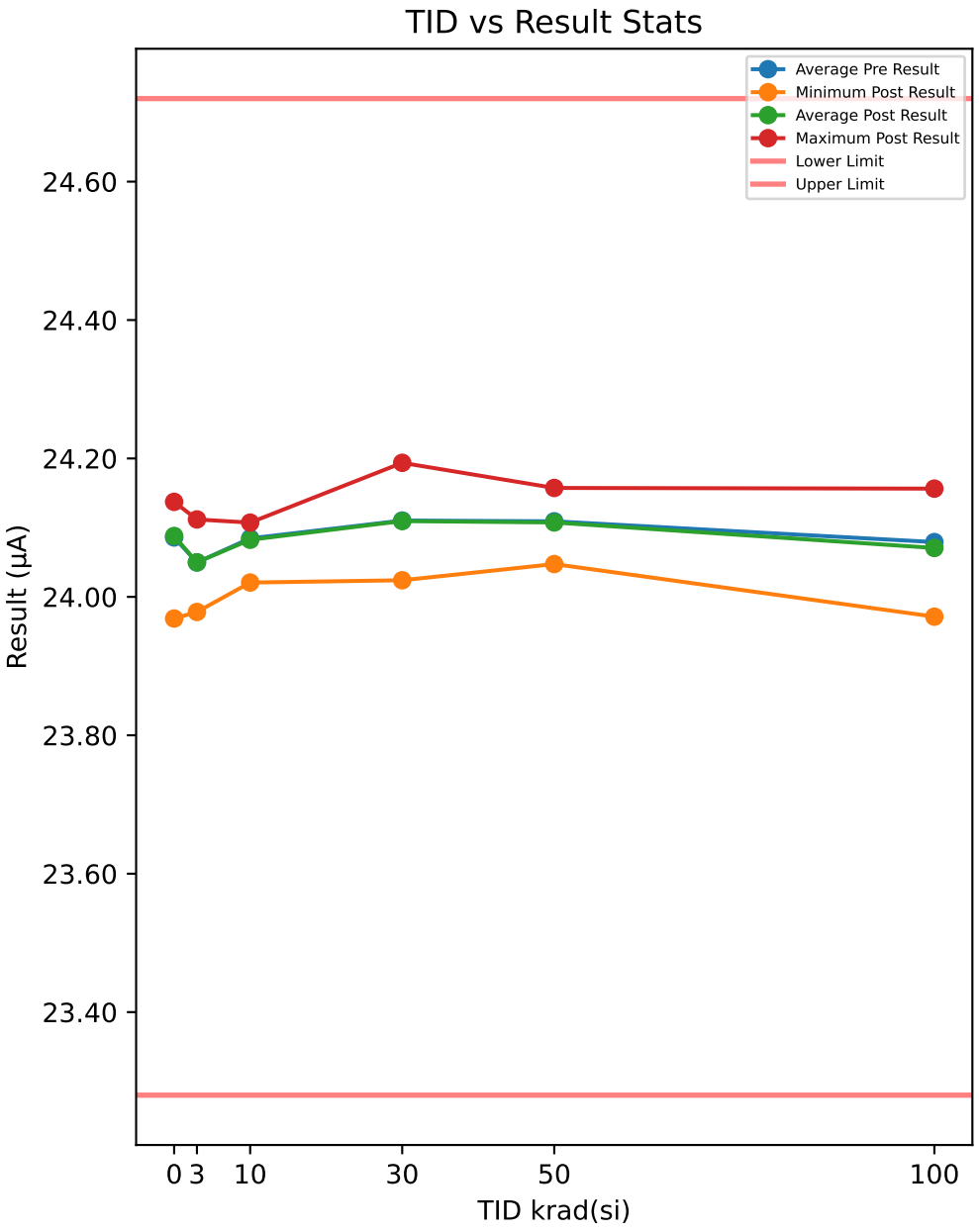
Test Results (Lower Limit = 23.28, Upper Limit = 24.72 (µA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	24.085	24.078	-0.0063
2	3	Biased	24.027	24.028	0.0002
3	3	Biased	24.054	24.054	0.0003
4	3	Biased	24.006	24.005	-0.001
5	3	Biased	23.98	23.979	-0.0009
6	3	Unbiased	24.007	24.01	0.0037
7	3	Unbiased	23.982	23.988	0.0057
8	3	Unbiased	24.02	24.018	-0.0021
9	3	Unbiased	24.082	24.078	-0.0041
10	3	Unbiased	23.992	23.989	-0.0031
11	10	Biased	24.052	24.053	0.0006
12	10	Biased	24.019	24.006	-0.0129
13	10	Biased	24.094	24.098	0.0039
14	10	Biased	24.078	24.066	-0.0118
15	10	Biased	24.061	24.052	-0.0088
16	10	Unbiased	24.044	24.042	-0.0023
17	10	Unbiased	24.139	24.137	-0.0022
18	10	Unbiased	24.099	24.104	0.0043
19	10	Unbiased	24.113	24.1	-0.0122
20	10	Unbiased	24.135	24.142	0.0075
21	30	Biased	24.187	24.181	-0.0067
22	30	Biased	24.064	24.065	0.0014
23	30	Biased	24.089	24.107	0.0178
24	30	Biased	24.047	24.043	-0.0039
25	30	Biased	24.12	24.117	-0.0039
26	30	Unbiased	24.152	24.129	-0.0237
27	30	Unbiased	24.005	23.985	-0.0198
28	30	Unbiased	24.068	24.053	-0.0148
29	30	Unbiased	24.175	24.179	0.0047
30	30	Unbiased	24.015	24.019	0.0046
31	50	Biased	24.172	24.156	-0.0158
32	50	Biased	24.088	24.077	-0.0109
33	50	Biased	24.14	24.134	-0.0056
34	50	Biased	24.057	24.034	-0.0231
35	50	Biased	24.009	24.011	0.0017
36	50	Unbiased	24.003	24.01	0.0074
37	50	Unbiased	24.11	24.115	0.0046
38	50	Unbiased	24.057	24.055	-0.0022
39	50	Unbiased	23.996	23.987	-0.0088
40	50	Unbiased	24.159	24.143	-0.0154
41	100	Biased	24.124	24.091	-0.033
42	100	Biased	24.073	24.032	-0.0416
43	100	Biased	23.983	23.968	-0.0148
44	100	Biased	23.996	23.96	-0.0356
45	100	Biased	24.065	24.043	-0.0221
46	100	Unbiased	24.124	24.11	-0.0136
47	100	Unbiased	24.134	24.125	-0.0099
48	100	Unbiased	24.163	24.184	0.0212
49	100	Unbiased	24.005	24.006	0.0015
50	100	Unbiased	24.003	23.978	-0.0242
51	0	Correlation	24.055	24.055	0.0003
53	0	Correlation	24.117	24.118	0.0004
54	0	Correlation	24.09	24.09	-0.0001
55	0	Correlation	24.006	24.007	0.0012
56	0	Correlation	24.009	24.008	-0.001

Test Statistics (µA)

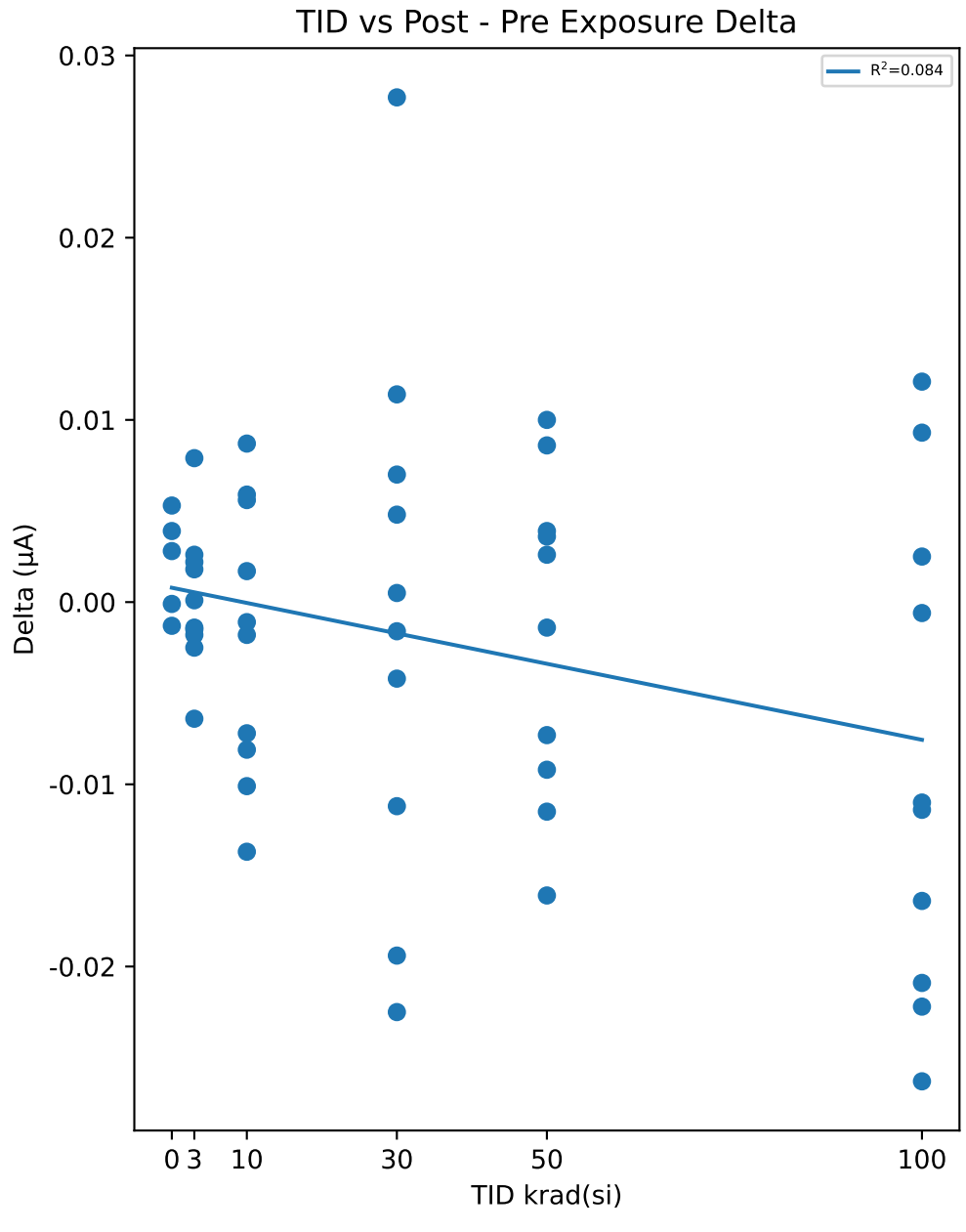
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	24.006	24.055	24.117	0.049018	24.007	24.056	24.118	0.049066	-0.001	0.00016	0.0012	0.00080187
3	23.98	24.024	24.085	0.038503	23.979	24.023	24.078	0.036446	-0.0063	-0.00076	0.0057	0.0035412
10	24.019	24.083	24.139	0.039618	24.006	24.08	24.142	0.043484	-0.0129	-0.00339	0.0075	0.0075825
30	24.005	24.092	24.187	0.064502	23.985	24.088	24.181	0.065748	-0.0237	-0.00443	0.0178	0.012534
50	23.996	24.079	24.172	0.065313	23.987	24.072	24.156	0.061917	-0.0231	-0.00681	0.0074	0.0098201
100	23.983	24.067	24.163	0.067018	23.96	24.05	24.184	0.075314	-0.0416	-0.01721	0.0212	0.018717

Device Test: 6.32; IHYS



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

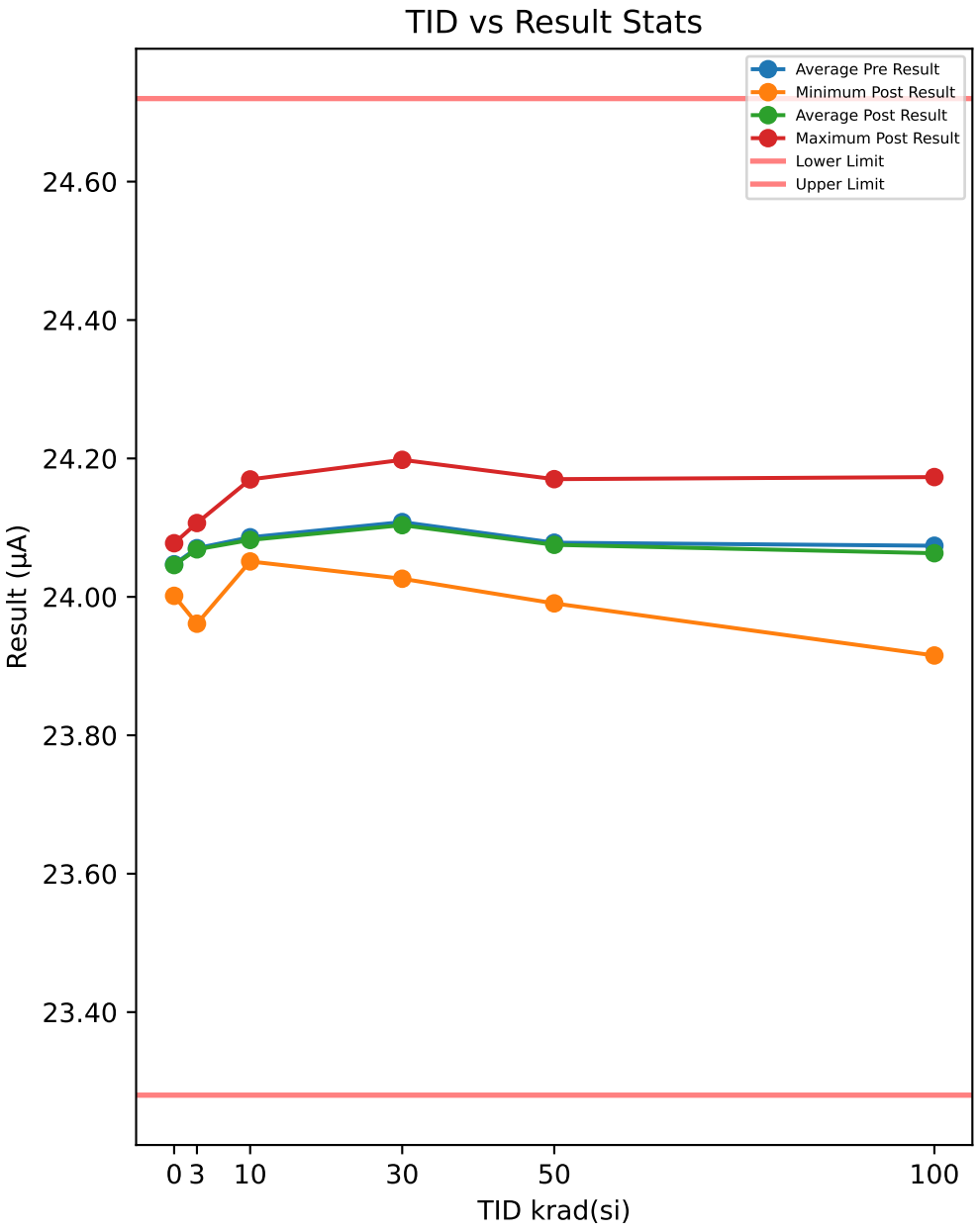
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	24.118	24.112	-0.0064
2	3	Biased	24.027	24.027	0.0001
3	3	Biased	24.101	24.103	0.0022
4	3	Biased	24.102	24.104	0.0026
5	3	Biased	24.035	24.034	-0.0014
6	3	Unbiased	24.036	24.038	0.0018
7	3	Unbiased	23.97	23.978	0.0079
8	3	Unbiased	24.08	24.078	-0.0025
9	3	Unbiased	24.025	24.023	-0.0015
10	3	Unbiased	24.005	24.003	-0.0018
11	10	Biased	24.086	24.092	0.0059
12	10	Biased	24.101	24.091	-0.0101
13	10	Biased	24.066	24.068	0.0017
14	10	Biased	24.028	24.021	-0.0072
15	10	Biased	24.079	24.071	-0.0081
16	10	Unbiased	24.108	24.107	-0.0011
17	10	Unbiased	24.071	24.069	-0.0018
18	10	Unbiased	24.101	24.107	0.0056
19	10	Unbiased	24.116	24.102	-0.0137
20	10	Unbiased	24.089	24.098	0.0087
21	30	Biased	24.195	24.194	-0.0016
22	30	Biased	24.095	24.106	0.0114
23	30	Biased	24.071	24.099	0.0277
24	30	Biased	24.028	24.024	-0.0042
25	30	Biased	24.104	24.104	0.0005
26	30	Unbiased	24.157	24.137	-0.0194
27	30	Unbiased	24.123	24.101	-0.0225
28	30	Unbiased	24.105	24.093	-0.0112
29	30	Unbiased	24.12	24.127	0.007
30	30	Unbiased	24.105	24.11	0.0048
31	50	Biased	24.166	24.157	-0.0092
32	50	Biased	24.074	24.078	0.0036
33	50	Biased	24.116	24.115	-0.0014
34	50	Biased	24.097	24.081	-0.0161
35	50	Biased	24.122	24.132	0.01
36	50	Unbiased	24.149	24.157	0.0086
37	50	Unbiased	24.048	24.051	0.0026
38	50	Unbiased	24.112	24.116	0.0039
39	50	Unbiased	24.055	24.047	-0.0073
40	50	Unbiased	24.153	24.141	-0.0115
41	100	Biased	24.143	24.127	-0.0164
42	100	Biased	24.035	24.009	-0.0263
43	100	Biased	24.042	24.044	0.0025
44	100	Biased	23.994	23.971	-0.0222
45	100	Biased	24.062	24.061	-0.0006
46	100	Unbiased	24.116	24.105	-0.011
47	100	Unbiased	24.168	24.156	-0.0114
48	100	Unbiased	24.132	24.145	0.0121
49	100	Unbiased	24.015	24.024	0.0093
50	100	Unbiased	24.084	24.063	-0.0209
51	0	Correlation	24.12	24.123	0.0039
53	0	Correlation	24.132	24.137	0.0053
54	0	Correlation	24.096	24.096	-0.0001
55	0	Correlation	24.112	24.115	0.0028
56	0	Correlation	23.97	23.969	-0.0013



Test Statistics (µA)

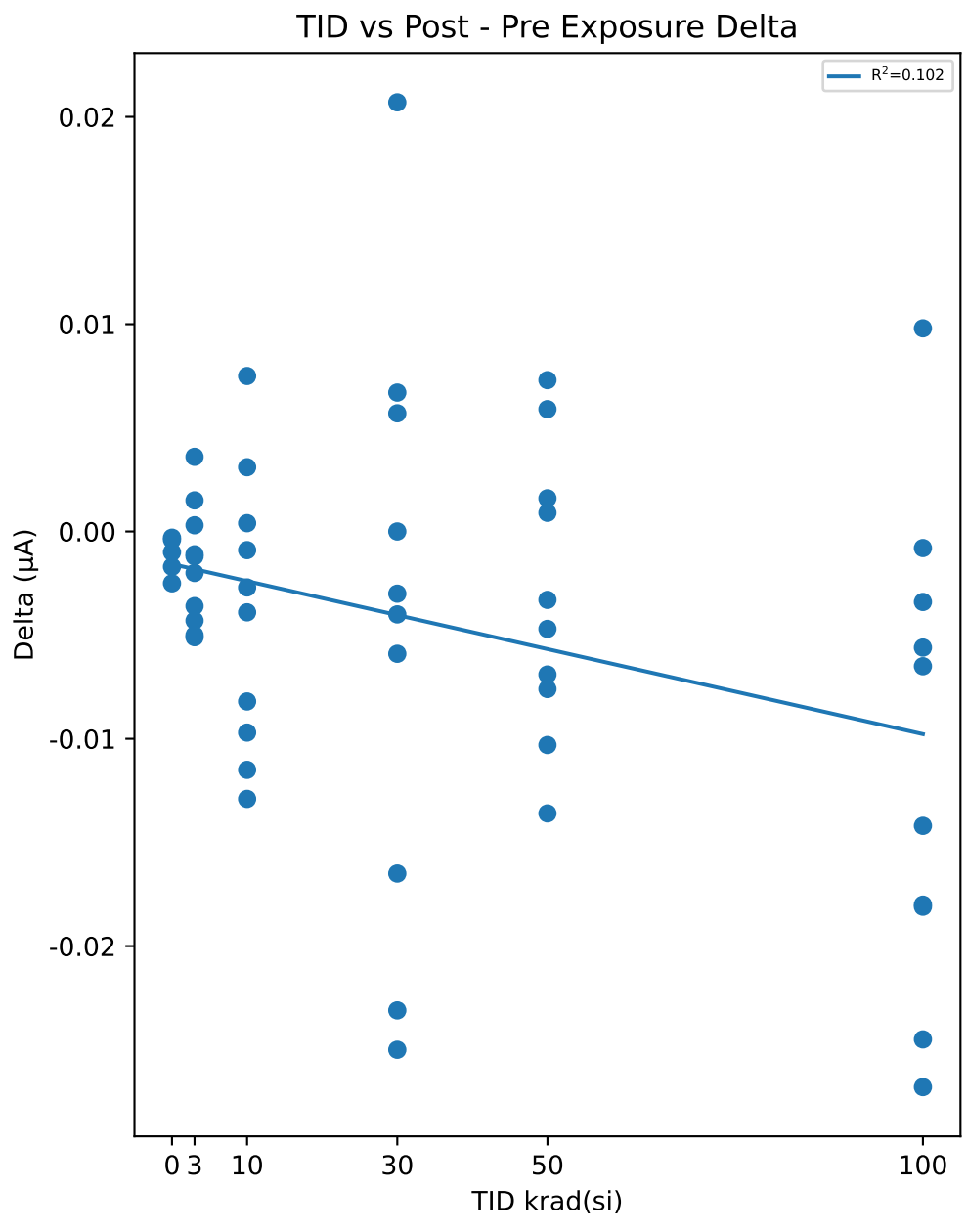
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	23.97	24.086	24.132	0.066085	23.969	24.088	24.137	0.06837	-0.0013	0.00212	0.0053	0.0027554
3	23.97	24.05	24.118	0.048075	23.978	24.05	24.112	0.046385	-0.0064	0.0001	0.0079	0.0038271
10	24.028	24.085	24.116	0.025567	24.021	24.082	24.107	0.02653	-0.0137	-0.00201	0.0087	0.0075715
30	24.028	24.11	24.195	0.045076	24.024	24.11	24.194	0.042143	-0.0225	-0.00075	0.0277	0.014878
50	24.048	24.109	24.166	0.04085	24.047	24.107	24.157	0.041165	-0.0161	-0.00168	0.01	0.0088945
100	23.994	24.079	24.168	0.058996	23.971	24.071	24.156	0.061343	-0.0263	-0.00849	0.0121	0.013581

Device Test: 6.33; IHYS



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

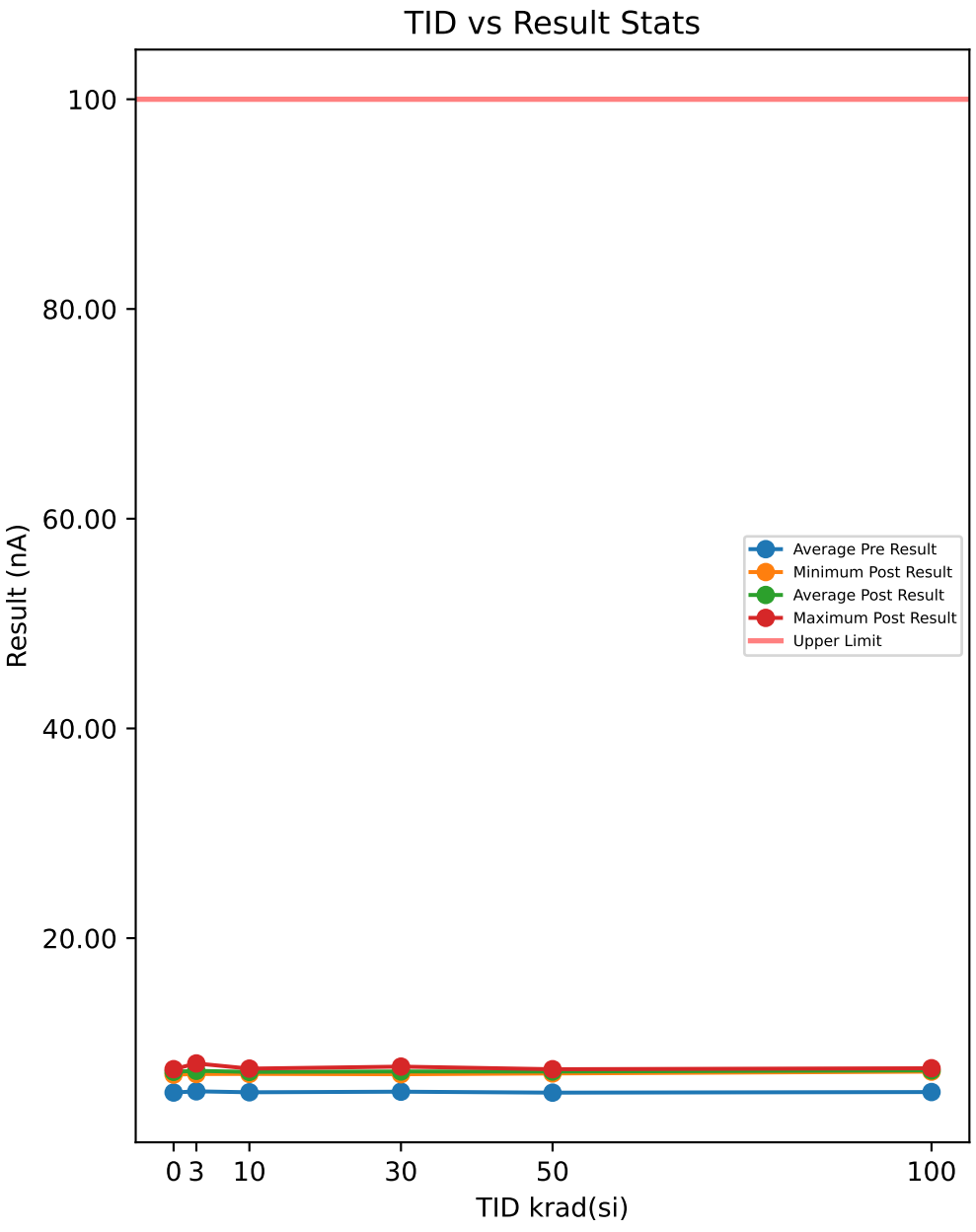
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	24.111	24.107	-0.0043
2	3	Biased	24.054	24.053	-0.0011
3	3	Biased	24.099	24.101	0.0015
4	3	Biased	24.076	24.075	-0.0012
5	3	Biased	24.056	24.052	-0.0036
6	3	Unbiased	24.093	24.094	0.0003
7	3	Unbiased	23.958	23.961	0.0036
8	3	Unbiased	24.094	24.092	-0.002
9	3	Unbiased	24.067	24.062	-0.0051
10	3	Unbiased	24.095	24.09	-0.005
11	10	Biased	24.079	24.079	-0.0009
12	10	Biased	24.076	24.064	-0.0129
13	10	Biased	24.063	24.063	0.0004
14	10	Biased	24.079	24.069	-0.0097
15	10	Biased	24.059	24.051	-0.0082
16	10	Unbiased	24.11	24.106	-0.0039
17	10	Unbiased	24.172	24.17	-0.0027
18	10	Unbiased	24.05	24.053	0.0031
19	10	Unbiased	24.069	24.057	-0.0115
20	10	Unbiased	24.103	24.11	0.0075
21	30	Biased	24.204	24.198	-0.0059
22	30	Biased	24.05	24.055	0.0057
23	30	Biased	24.059	24.079	0.0207
24	30	Biased	24.029	24.026	-0.003
25	30	Biased	24.084	24.08	-0.004
26	30	Unbiased	24.183	24.158	-0.025
27	30	Unbiased	24.171	24.148	-0.0231
28	30	Unbiased	24.119	24.102	-0.0165
29	30	Unbiased	24.117	24.123	0.0067
30	30	Unbiased	24.066	24.066	0
31	50	Biased	24.178	24.17	-0.0076
32	50	Biased	24.065	24.061	-0.0047
33	50	Biased	24.107	24.109	0.0016
34	50	Biased	24.058	24.045	-0.0136
35	50	Biased	24.102	24.11	0.0073
36	50	Unbiased	23.985	23.991	0.0059
37	50	Unbiased	24.043	24.044	0.0009
38	50	Unbiased	24.078	24.075	-0.0033
39	50	Unbiased	24.108	24.101	-0.0069
40	50	Unbiased	24.058	24.048	-0.0103
41	100	Biased	24.099	24.081	-0.018
42	100	Biased	24.143	24.125	-0.0181
43	100	Biased	24.056	24.053	-0.0034
44	100	Biased	23.94	23.915	-0.0245
45	100	Biased	24.058	24.052	-0.0065
46	100	Unbiased	24.125	24.111	-0.0142
47	100	Unbiased	24.128	24.122	-0.0056
48	100	Unbiased	24.163	24.173	0.0098
49	100	Unbiased	23.943	23.942	-0.0008
50	100	Unbiased	24.084	24.058	-0.0268
51	0	Correlation	24.048	24.045	-0.0025
53	0	Correlation	24.078	24.078	-0.0003
54	0	Correlation	24.045	24.044	-0.0017
55	0	Correlation	24.063	24.062	-0.001
56	0	Correlation	24.002	24.002	-0.0004



Test Statistics (µA)

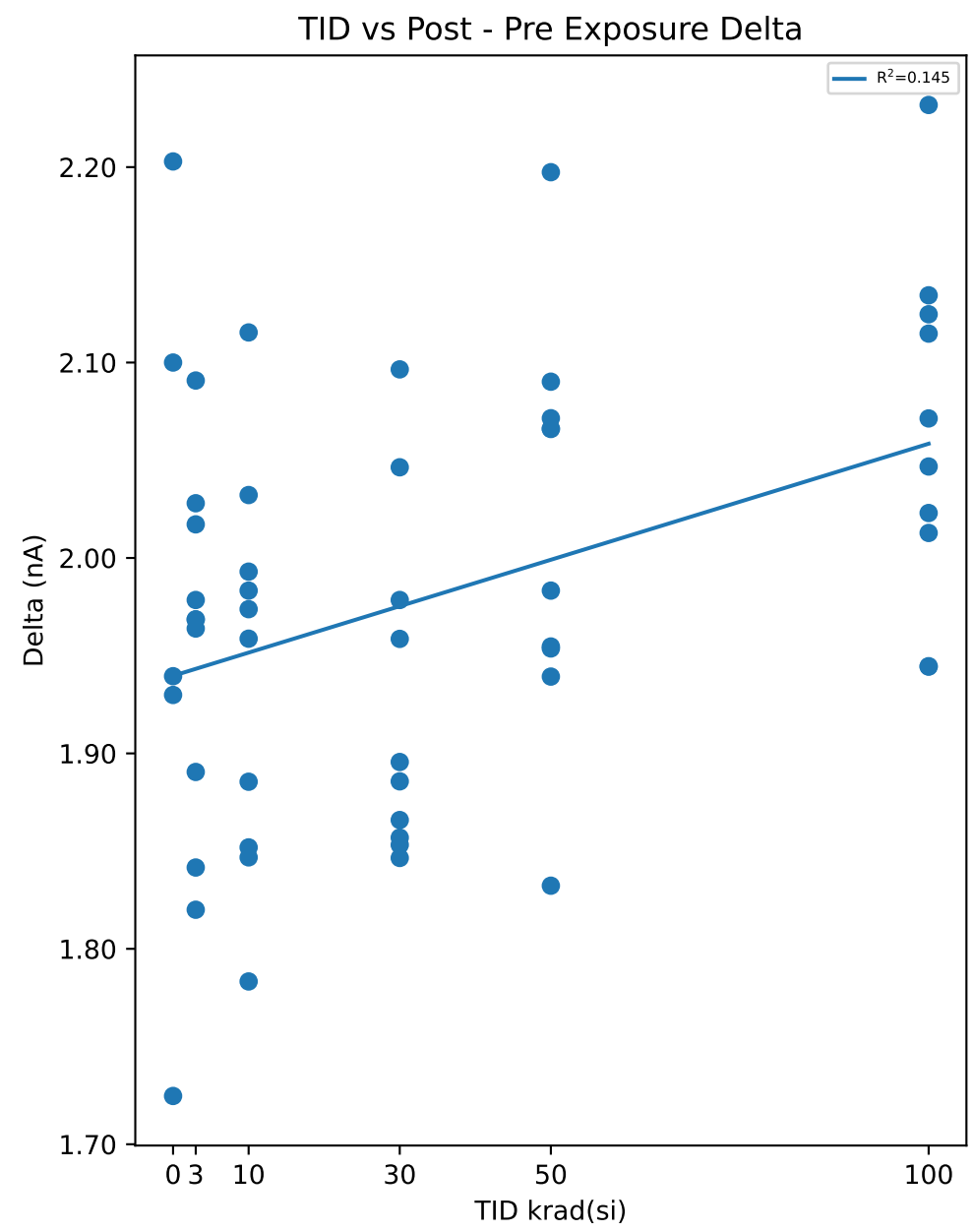
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	24.002	24.047	24.078	0.028414	24.002	24.046	24.078	0.028379	-0.0025	-0.00118	-0.0003	0.00092574
3	23.958	24.07	24.111	0.044025	23.961	24.069	24.107	0.042524	-0.0051	-0.00169	0.0036	0.002903
10	24.05	24.086	24.172	0.035455	24.051	24.082	24.17	0.03699	-0.0129	-0.00388	0.0075	0.0066565
30	24.029	24.108	24.204	0.06081	24.026	24.104	24.198	0.052734	-0.025	-0.00444	0.0207	0.01414
50	23.985	24.078	24.178	0.050653	23.991	24.075	24.17	0.049379	-0.0136	-0.00307	0.0073	0.0068849
100	23.94	24.074	24.163	0.07802	23.915	24.063	24.173	0.080843	-0.0268	-0.01081	0.0098	0.011475

Device Test: 6.34; ILKG_WDI



Test Results (Upper Limit = 100.0 (nA))

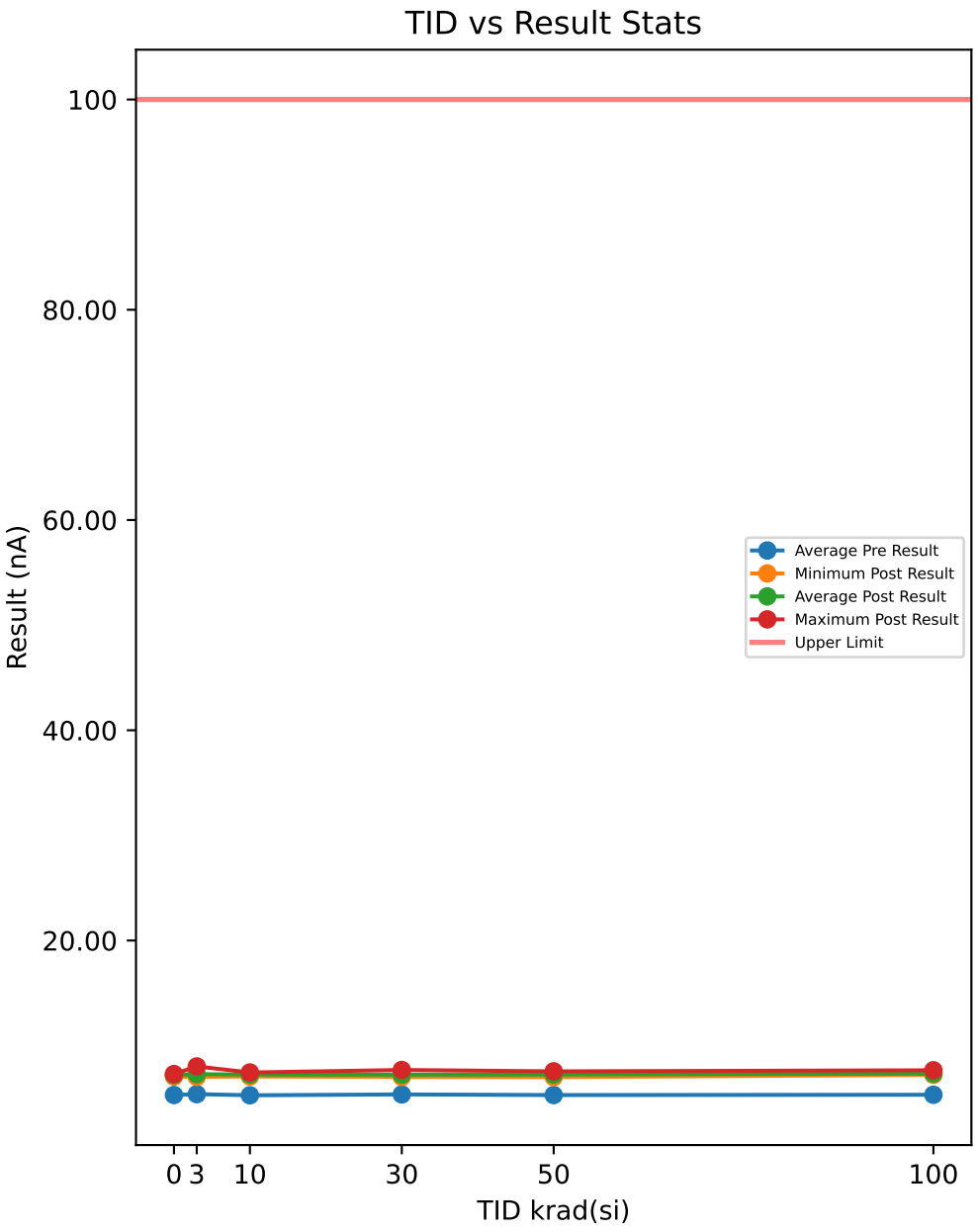
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	5.2158	7.1843	1.9685
2	3	Biased	5.2644	7.233	1.9686
3	3	Biased	6.2324	8.0524	1.82
4	3	Biased	5.245	7.1355	1.8905
5	3	Biased	5.5806	7.6086	2.028
6	3	Unbiased	5.1817	7.1989	2.0172
7	3	Unbiased	5.3617	7.4525	2.0908
8	3	Unbiased	5.3131	7.2916	1.9785
9	3	Unbiased	5.3374	7.3013	1.9639
10	3	Unbiased	5.2012	7.0428	1.8416
11	10	Biased	5.2839	7.2769	1.993
12	10	Biased	5.4444	7.5598	2.1154
13	10	Biased	5.3568	7.2087	1.8519
14	10	Biased	5.1866	7.0721	1.8855
15	10	Biased	5.3179	7.3501	2.0322
16	10	Unbiased	5.2839	7.2672	1.9833
17	10	Unbiased	5.1963	7.155	1.9587
18	10	Unbiased	5.2693	7.0526	1.7833
19	10	Unbiased	5.3033	7.1501	1.8468
20	10	Unbiased	5.386	7.3598	1.9738
21	30	Biased	5.6535	7.75	2.0965
22	30	Biased	5.8773	7.7305	1.8532
23	30	Biased	5.4395	7.2964	1.8569
24	30	Biased	5.3374	7.233	1.8956
25	30	Biased	5.2498	7.1355	1.8857
26	30	Unbiased	5.1915	7.1501	1.9586
27	30	Unbiased	5.3033	7.2818	1.9785
28	30	Unbiased	5.1915	7.038	1.8465
29	30	Unbiased	5.1866	7.233	2.0464
30	30	Unbiased	5.1574	7.0233	1.8659
31	50	Biased	5.1282	7.2184	2.0902
32	50	Biased	5.1428	7.0965	1.9537
33	50	Biased	5.2401	7.1794	1.9393
34	50	Biased	5.4298	7.5013	2.0715
35	50	Biased	5.5368	7.4915	1.9547
36	50	Unbiased	5.279	7.2623	1.9833
37	50	Unbiased	5.1963	7.2623	2.066
38	50	Unbiased	5.2693	7.3355	2.0662
39	50	Unbiased	5.1234	7.3208	2.1974
40	50	Unbiased	5.3325	7.1648	1.8323
41	100	Biased	5.3277	7.2721	1.9444
42	100	Biased	5.2012	7.433	2.2318
43	100	Biased	5.3909	7.4037	2.0128
44	100	Biased	5.2742	7.3989	2.1247
45	100	Biased	5.3714	7.316	1.9446
46	100	Unbiased	5.2012	7.316	2.1148
47	100	Unbiased	5.5709	7.5939	2.023
48	100	Unbiased	5.3033	7.3501	2.0468
49	100	Unbiased	5.3714	7.4428	2.0714
50	100	Unbiased	5.2401	7.3745	2.1344
51	0	Correlation	5.1526	7.2526	2.1
53	0	Correlation	5.3131	7.2526	1.9395
54	0	Correlation	5.2596	6.9843	1.7247
55	0	Correlation	5.3033	7.5062	2.2029
56	0	Correlation	5.3617	7.2916	1.9299

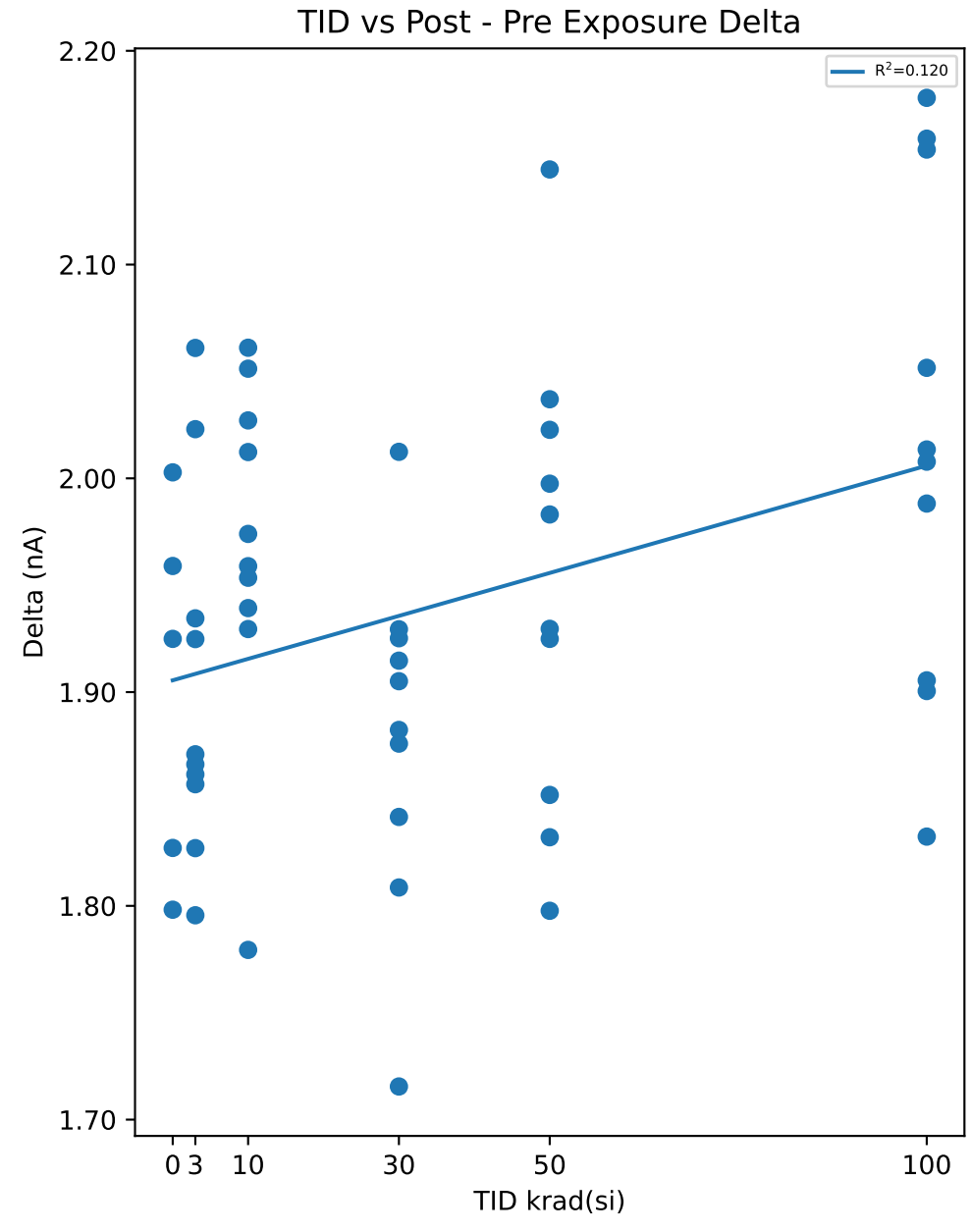


Test Statistics (nA)

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	5.1526	5.2781	5.3617	0.078964	6.9843	7.2575	7.5062	0.18554	1.7247	1.9794	2.2029	0.18263
3	5.1817	5.3933	6.2324	0.31649	7.0428	7.3501	8.0524	0.29456	1.82	1.9568	2.0908	0.08423
10	5.1866	5.3028	5.4444	0.079441	7.0526	7.2452	7.5598	0.15281	1.7833	1.9424	2.1154	0.099643
30	5.1574	5.3588	5.8773	0.2366	7.0233	7.2872	7.75	0.25609	1.8465	1.9284	2.0965	0.088119
50	5.1234	5.2678	5.5368	0.1353	7.0965	7.2833	7.5013	0.13326	1.8323	2.0155	2.1974	0.10266
100	5.2012	5.3252	5.5709	0.11057	7.2721	7.3901	7.5939	0.090163	1.9444	2.0649	2.2318	0.089805

Device Test: 6.35; ILKG_WDI





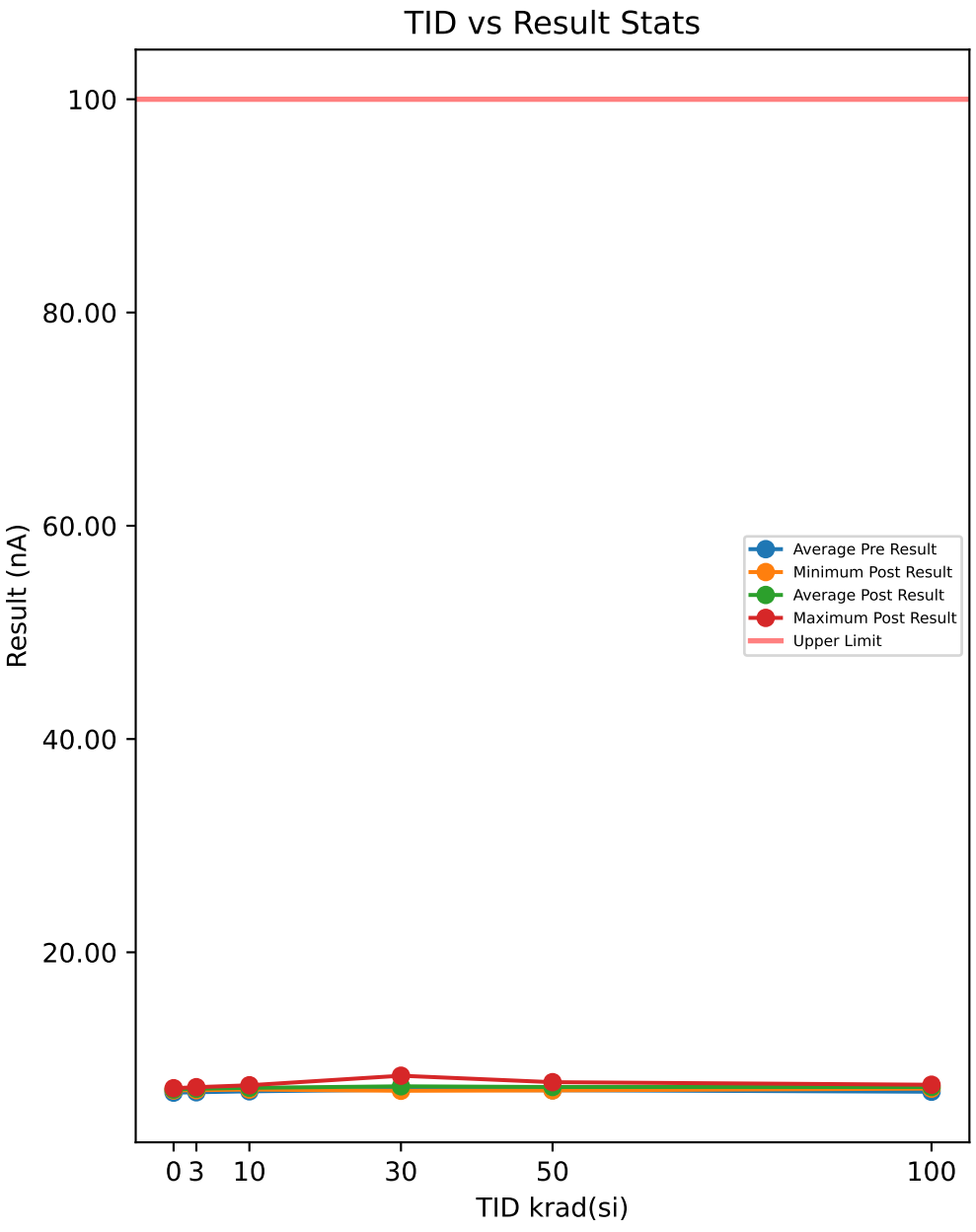
Test Results (Upper Limit = 100.0 (nA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	5.1428	7.2038	2.061
2	3	Biased	5.2596	7.1258	1.8662
3	3	Biased	6.2275	8.0231	1.7956
4	3	Biased	5.279	7.2038	1.9248
5	3	Biased	5.5222	7.5452	2.023
6	3	Unbiased	5.3179	7.1794	1.8615
7	3	Unbiased	5.279	7.2135	1.9345
8	3	Unbiased	5.2012	7.0282	1.827
9	3	Unbiased	5.4152	7.2721	1.8569
10	3	Unbiased	5.2353	7.1062	1.8709
11	10	Biased	5.2255	7.2526	2.0271
12	10	Biased	5.6292	7.4086	1.7794
13	10	Biased	5.1866	7.1989	2.0123
14	10	Biased	5.2401	7.1696	1.9295
15	10	Biased	5.2012	7.2623	2.0611
16	10	Unbiased	5.2644	7.2233	1.9589
17	10	Unbiased	5.1137	7.0672	1.9535
18	10	Unbiased	5.2742	7.2135	1.9393
19	10	Unbiased	5.1817	7.233	2.0513
20	10	Unbiased	5.4736	7.4476	1.974
21	30	Biased	5.6244	7.433	1.8086
22	30	Biased	5.8043	7.6866	1.8823
23	30	Biased	5.4298	7.355	1.9252
24	30	Biased	5.4493	7.1648	1.7155
25	30	Biased	5.2742	7.1501	1.8759
26	30	Unbiased	5.1817	7.0233	1.8416
27	30	Unbiased	5.2255	7.2379	2.0124
28	30	Unbiased	5.2304	7.1355	1.9051
29	30	Unbiased	5.1866	7.116	1.9294
30	30	Unbiased	5.1915	7.1062	1.9147
31	50	Biased	5.3082	7.3452	2.037
32	50	Biased	5.2742	7.2038	1.9296
33	50	Biased	5.2061	7.0038	1.7977
34	50	Biased	5.3909	7.2428	1.8519
35	50	Biased	5.4104	7.5549	2.1445
36	50	Unbiased	5.2985	7.1306	1.8321
37	50	Unbiased	5.2012	7.1843	1.9831
38	50	Unbiased	5.3325	7.2574	1.9249
39	50	Unbiased	5.1526	7.1501	1.9975
40	50	Unbiased	5.4201	7.4428	2.0227
41	100	Biased	5.2985	7.4574	2.1589
42	100	Biased	5.3179	7.3696	2.0517
43	100	Biased	5.3909	7.2233	1.8324
44	100	Biased	5.3228	7.3306	2.0078
45	100	Biased	5.138	7.316	2.178
46	100	Unbiased	5.2109	7.3647	2.1538
47	100	Unbiased	5.6438	7.6573	2.0135
48	100	Unbiased	5.2839	7.2721	1.9882
49	100	Unbiased	5.3325	7.233	1.9005
50	100	Unbiased	5.3471	7.2526	1.9055
51	0	Correlation	5.2644	7.2672	2.0028
53	0	Correlation	5.3374	7.2623	1.9249
54	0	Correlation	5.2353	7.0624	1.8271
55	0	Correlation	5.3617	7.1599	1.7982
56	0	Correlation	5.3374	7.2964	1.959

Test Statistics (nA)

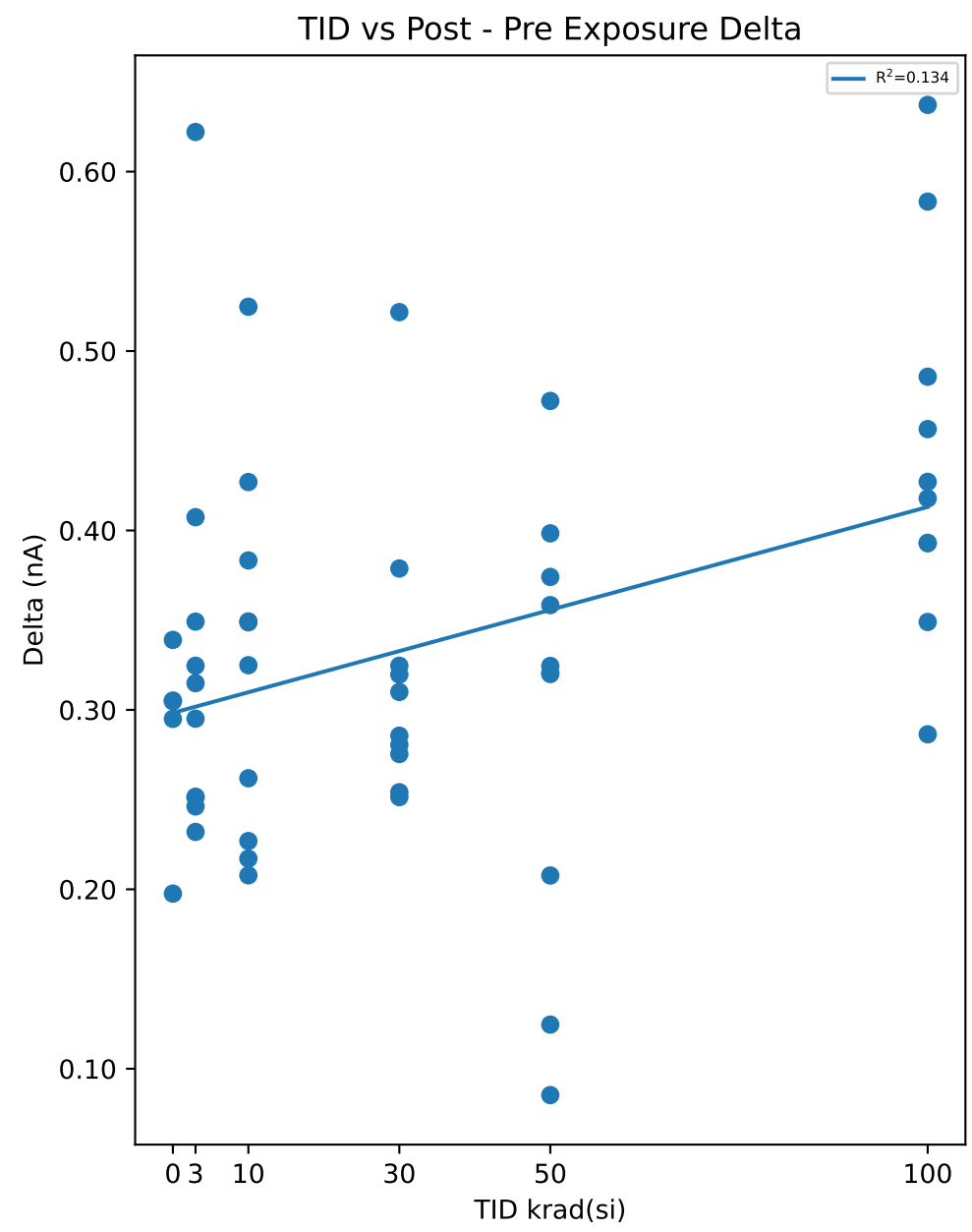
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	5.2353	5.3072	5.3617	0.054304	7.0624	7.2096	7.2964	0.097169	1.7982	1.9024	2.0028	0.08706
3	5.1428	5.388	6.2275	0.31394	7.0282	7.2901	8.0231	0.29157	1.7956	1.9021	2.061	0.084569
10	5.1137	5.279	5.6292	0.1551	7.0672	7.2477	7.4476	0.11012	1.7794	1.9686	2.0611	0.081146
30	5.1817	5.3598	5.8043	0.21413	7.0233	7.2408	7.6866	0.19856	1.7155	1.8811	2.0124	0.079924
50	5.1526	5.2995	5.4201	0.092478	7.0038	7.2516	7.5549	0.16006	1.7977	1.9521	2.1445	0.10633
100	5.138	5.3286	5.6438	0.132	7.2233	7.3477	7.6573	0.13053	1.8324	2.019	2.178	0.11876

Device Test: 6.36; ILKG_MODE



Test Results (Upper Limit = 100.0 (nA))

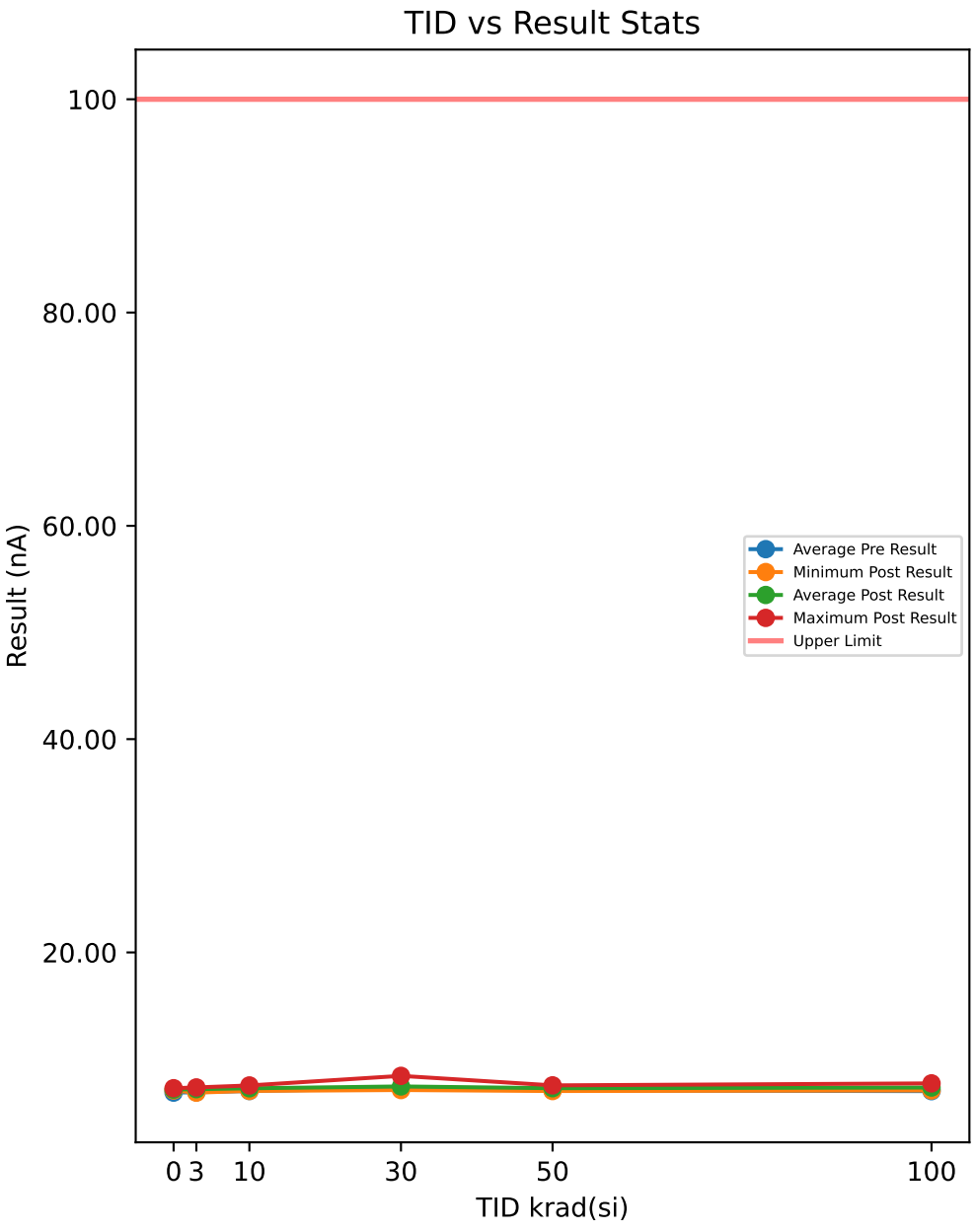
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	6.874	7.1252	0.2512
2	3	Biased	7.0105	7.2621	0.2516
3	3	Biased	6.8886	7.2132	0.3246
4	3	Biased	6.8057	7.1008	0.2951
5	3	Biased	6.6058	7.2279	0.6221
6	3	Unbiased	6.9569	7.2718	0.3149
7	3	Unbiased	6.991	7.223	0.232
8	3	Unbiased	6.8204	7.0666	0.2462
9	3	Unbiased	6.7814	7.1888	0.4074
10	3	Unbiased	7.0008	7.35	0.3492
11	10	Biased	7.0398	7.3891	0.3493
12	10	Biased	6.796	7.223	0.427
13	10	Biased	6.7667	7.2914	0.5247
14	10	Biased	6.9081	7.2914	0.3833
15	10	Biased	6.7911	7.1399	0.3488
16	10	Unbiased	7.1422	7.35	0.2078
17	10	Unbiased	6.9081	7.1252	0.2171
18	10	Unbiased	7.0642	7.3891	0.3249
19	10	Unbiased	6.9374	7.1643	0.2269
20	10	Unbiased	7.2689	7.5308	0.2619
21	30	Biased	6.9276	7.2132	0.2856
22	30	Biased	7.6444	8.1661	0.5217
23	30	Biased	6.7375	7.0129	0.2754
24	30	Biased	7.0934	7.4722	0.3788
25	30	Biased	6.8642	7.1839	0.3197
26	30	Unbiased	6.8838	7.1643	0.2805
27	30	Unbiased	6.9569	7.2083	0.2514
28	30	Unbiased	8.1709	8.425	0.2541
29	30	Unbiased	6.9179	7.2425	0.3246
30	30	Unbiased	6.9325	7.2425	0.31
31	50	Biased	7.2056	7.5797	0.3741
32	50	Biased	7.0495	7.2572	0.2077
33	50	Biased	7.3031	7.6237	0.3206
34	50	Biased	6.8545	7.179	0.3245
35	50	Biased	6.9618	7.0471	0.0853
36	50	Unbiased	7.0251	7.3451	0.32
37	50	Unbiased	7.03	7.1546	0.1246
38	50	Unbiased	7.1617	7.5601	0.3984
39	50	Unbiased	6.7375	7.0959	0.3584
40	50	Unbiased	7.3469	7.8191	0.4722
41	100	Biased	7.108	7.5259	0.4179
42	100	Biased	6.8594	7.3451	0.4857
43	100	Biased	6.8594	7.4966	0.6372
44	100	Biased	6.8642	7.2132	0.349
45	100	Biased	6.8399	7.267	0.4271
46	100	Unbiased	6.9276	7.3207	0.3931
47	100	Unbiased	6.8984	7.3549	0.4565
48	100	Unbiased	6.7521	7.3354	0.5833
49	100	Unbiased	7.2933	7.5797	0.2864
50	100	Unbiased	6.8252	7.2181	0.3929
51	0	Correlation	6.7765	7.1155	0.339
53	0	Correlation	6.9471	7.2523	0.3052
54	0	Correlation	6.7472	7.0422	0.295
55	0	Correlation	6.9179	7.1155	0.1976
56	0	Correlation	6.8009	7.1057	0.3048

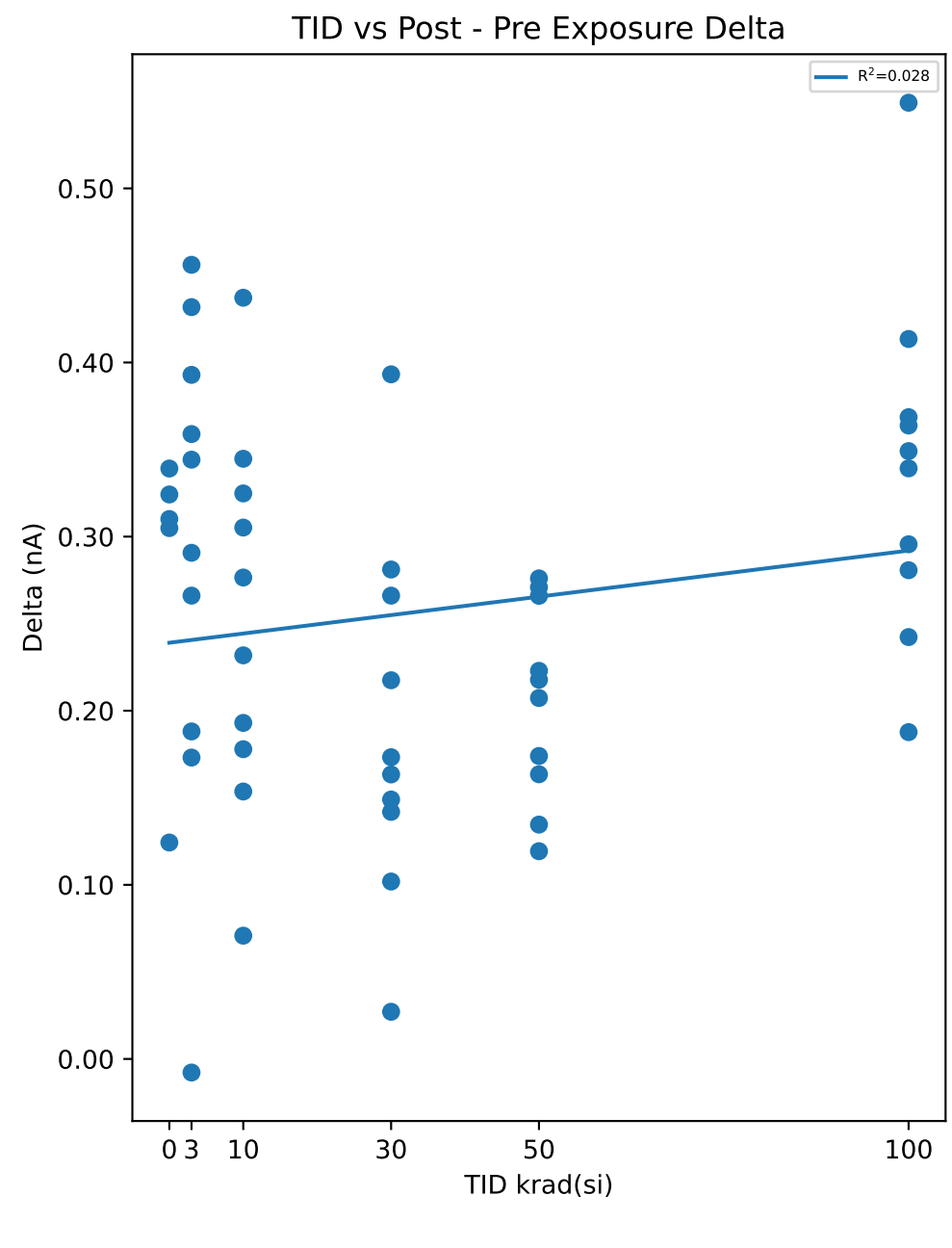


Test Statistics (nA)

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	6.7472	6.8379	6.9471	0.089009	7.0422	7.1262	7.2523	0.076822	0.1976	0.28832	0.339	0.053385
3	6.6058	6.8735	7.0105	0.12628	7.0666	7.2029	7.35	0.085806	0.232	0.32943	0.6221	0.11649
10	6.7667	6.9623	7.2689	0.16482	7.1252	7.2894	7.5308	0.12962	0.2078	0.32717	0.5247	0.10208
30	6.7375	7.1129	8.1709	0.44556	7.0129	7.4331	8.425	0.47201	0.2514	0.32018	0.5217	0.080307
50	6.7375	7.0676	7.3469	0.19163	7.0471	7.3662	7.8191	0.26281	0.0853	0.29858	0.4722	0.12248
100	6.7521	6.9228	7.2933	0.15958	7.2132	7.3657	7.5797	0.12774	0.2864	0.44291	0.6372	0.10469

Device Test: 6.37; ILKG_MODE





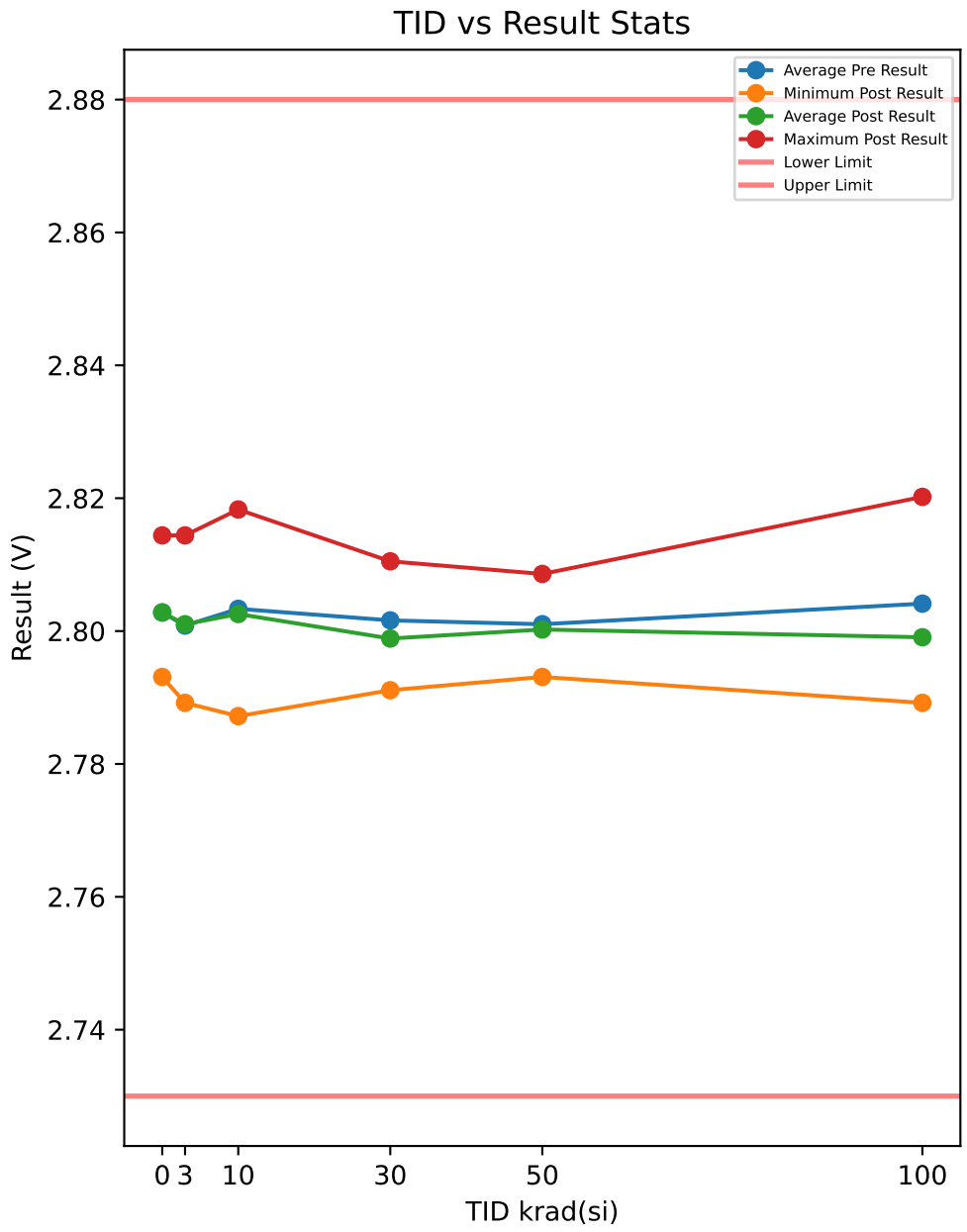
Test Results (Upper Limit = 100.0 (nA))

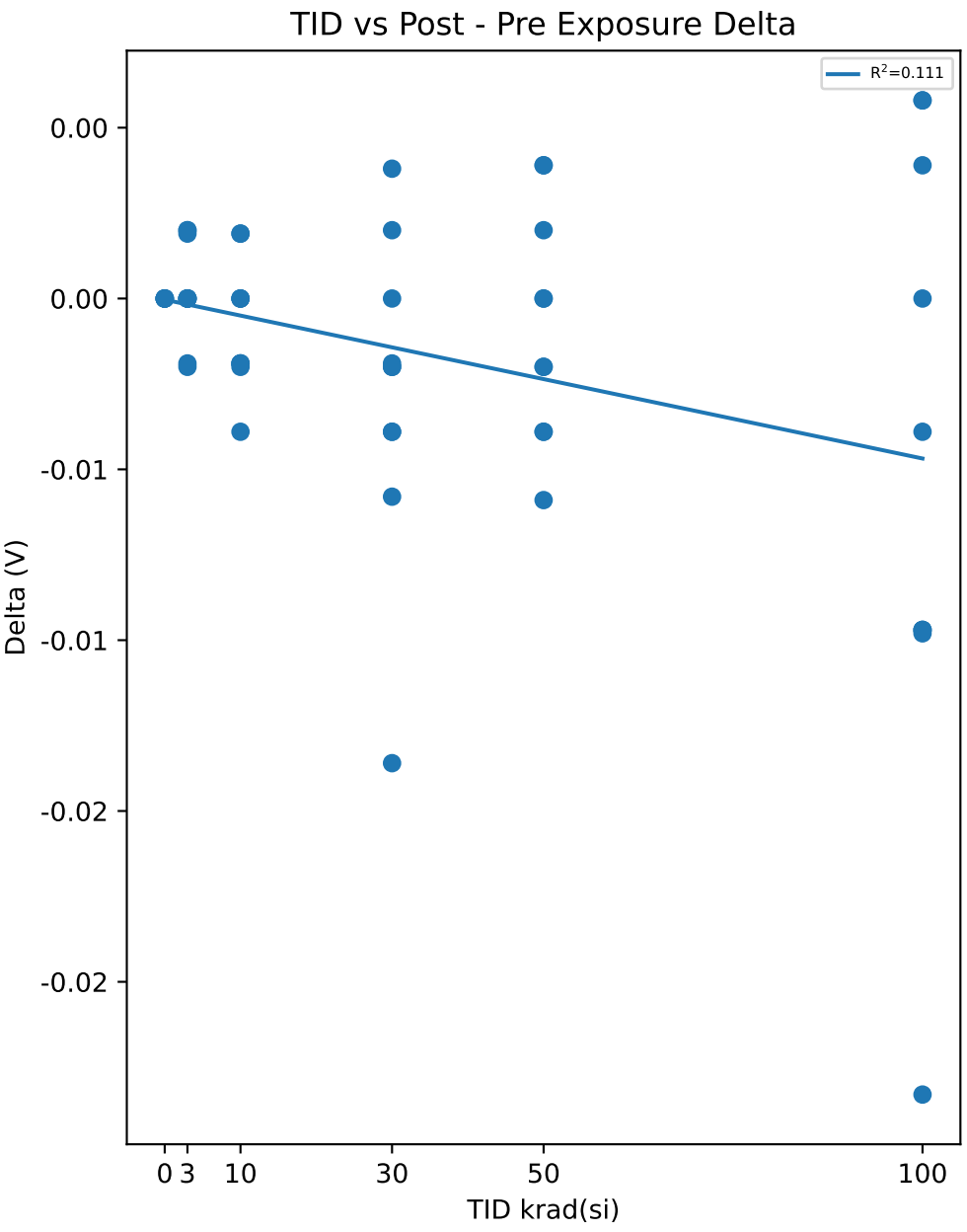
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	6.9374	7.2816	0.3442
2	3	Biased	6.7667	7.1985	0.4318
3	3	Biased	6.8886	7.0617	0.1731
4	3	Biased	6.8301	7.223	0.3929
5	3	Biased	6.8594	6.8516	-0.0078
6	3	Unbiased	7.0056	7.1937	0.1881
7	3	Unbiased	6.9276	7.1937	0.2661
8	3	Unbiased	6.7229	7.179	0.4561
9	3	Unbiased	6.9081	7.267	0.3589
10	3	Unbiased	7.0495	7.3402	0.2907
11	10	Biased	6.9959	7.4331	0.4372
12	10	Biased	6.835	7.0129	0.1779
13	10	Biased	6.9374	7.1692	0.2318
14	10	Biased	6.8886	7.0422	0.1536
15	10	Biased	7.0105	7.0813	0.0708
16	10	Unbiased	7.1519	7.4966	0.3447
17	10	Unbiased	7.0642	7.2572	0.193
18	10	Unbiased	6.9764	7.2816	0.3052
19	10	Unbiased	6.9861	7.3109	0.3248
20	10	Unbiased	7.2494	7.5259	0.2765
21	30	Biased	7.03	7.179	0.149
22	30	Biased	7.8443	7.9462	0.1019
23	30	Biased	6.9325	7.0959	0.1634
24	30	Biased	7.1227	7.3402	0.2175
25	30	Biased	6.991	7.1643	0.1733
26	30	Unbiased	6.9861	7.3793	0.3932
27	30	Unbiased	6.9569	7.223	0.2661
28	30	Unbiased	8.2831	8.425	0.1419
29	30	Unbiased	7.1763	7.2034	0.0271
30	30	Unbiased	7.1129	7.394	0.2811
31	50	Biased	7.1617	7.2963	0.1346
32	50	Biased	7.0008	7.1643	0.1635
33	50	Biased	7.3128	7.5357	0.2229
34	50	Biased	6.9228	7.1937	0.2709
35	50	Biased	6.9179	7.1839	0.266
36	50	Unbiased	7.0056	7.2816	0.276
37	50	Unbiased	6.9033	7.1106	0.2073
38	50	Unbiased	7.2348	7.4526	0.2178
39	50	Unbiased	6.8838	7.0031	0.1193
40	50	Unbiased	7.2982	7.4722	0.174
41	100	Biased	7.2494	7.4917	0.2423
42	100	Biased	6.952	7.3158	0.3638
43	100	Biased	7.0398	7.3354	0.2956
44	100	Biased	6.9423	7.223	0.2807
45	100	Biased	6.9618	7.3109	0.3491
46	100	Unbiased	6.913	7.2816	0.3686
47	100	Unbiased	6.8301	7.3793	0.5492
48	100	Unbiased	6.8691	7.0568	0.1877
49	100	Unbiased	7.3079	7.7214	0.4135
50	100	Unbiased	6.8691	7.2083	0.3392
51	0	Correlation	6.9569	7.267	0.3101
53	0	Correlation	6.8106	7.1497	0.3391
54	0	Correlation	6.9374	7.0617	0.1243
55	0	Correlation	6.8399	7.1448	0.3049
56	0	Correlation	6.7326	7.0568	0.3242

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	6.7326	6.8555	6.9569	0.092673	7.0568	7.136	7.267	0.085468	0.1243	0.28052	0.3391	0.088337
3	6.7229	6.8896	7.0495	0.10025	6.8516	7.179	7.3402	0.13661	-0.0078	0.28941	0.4561	0.14114
10	6.835	7.0095	7.2494	0.12153	7.0129	7.2611	7.5259	0.1851	0.0708	0.25155	0.4372	0.10725
30	6.9325	7.2436	8.2831	0.45121	7.0959	7.435	8.425	0.42263	0.0271	0.19145	0.3932	0.10295
50	6.8838	7.0642	7.3128	0.17077	7.0031	7.2694	7.5357	0.17214	0.1193	0.20523	0.276	0.05635
100	6.8301	6.9935	7.3079	0.16192	7.0568	7.3324	7.7214	0.17812	0.1877	0.33897	0.5492	0.09936

Device Test: 6.38; UVLO_RISE





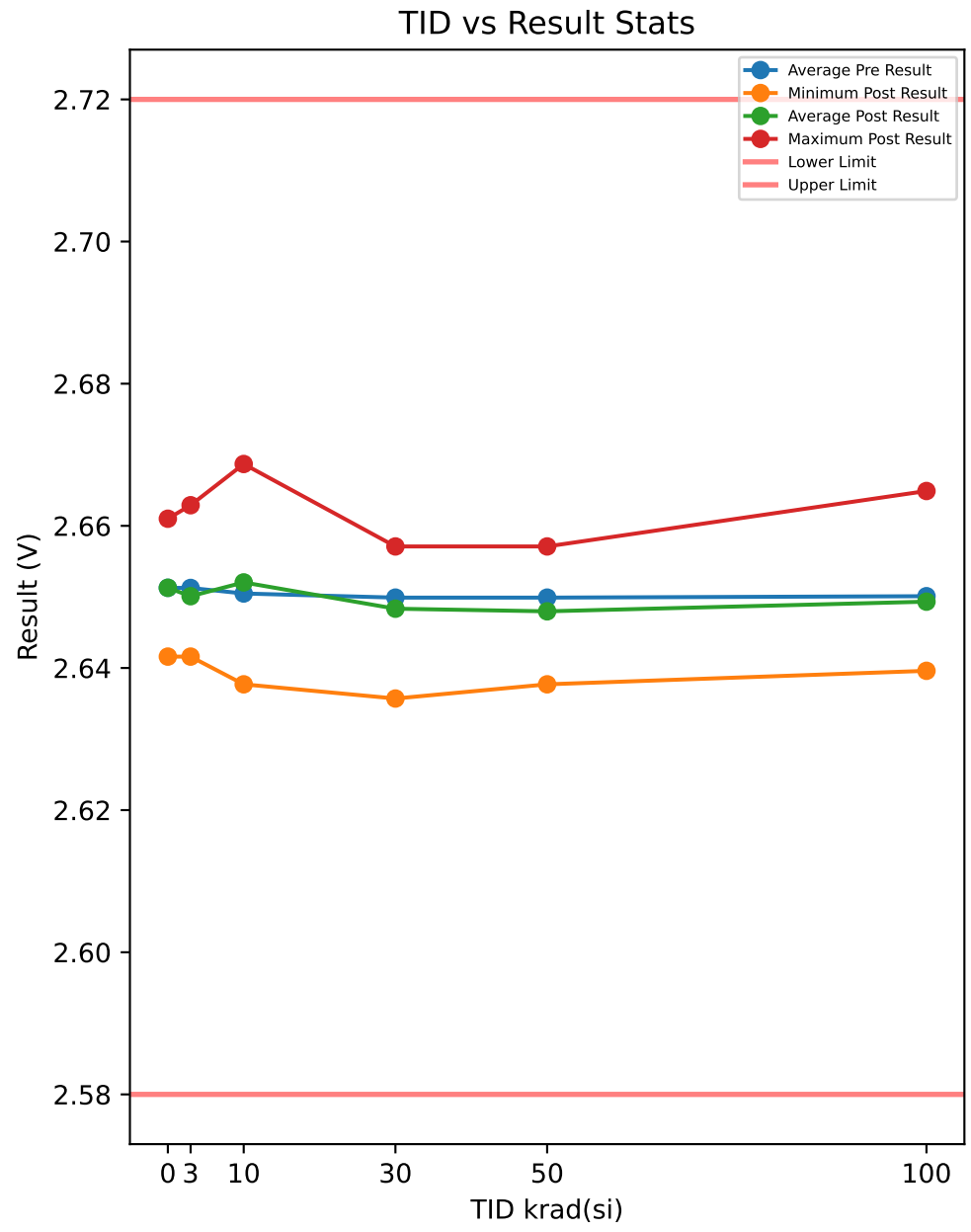
Test Results (Lower Limit = 2.73, Upper Limit = 2.88 (V))

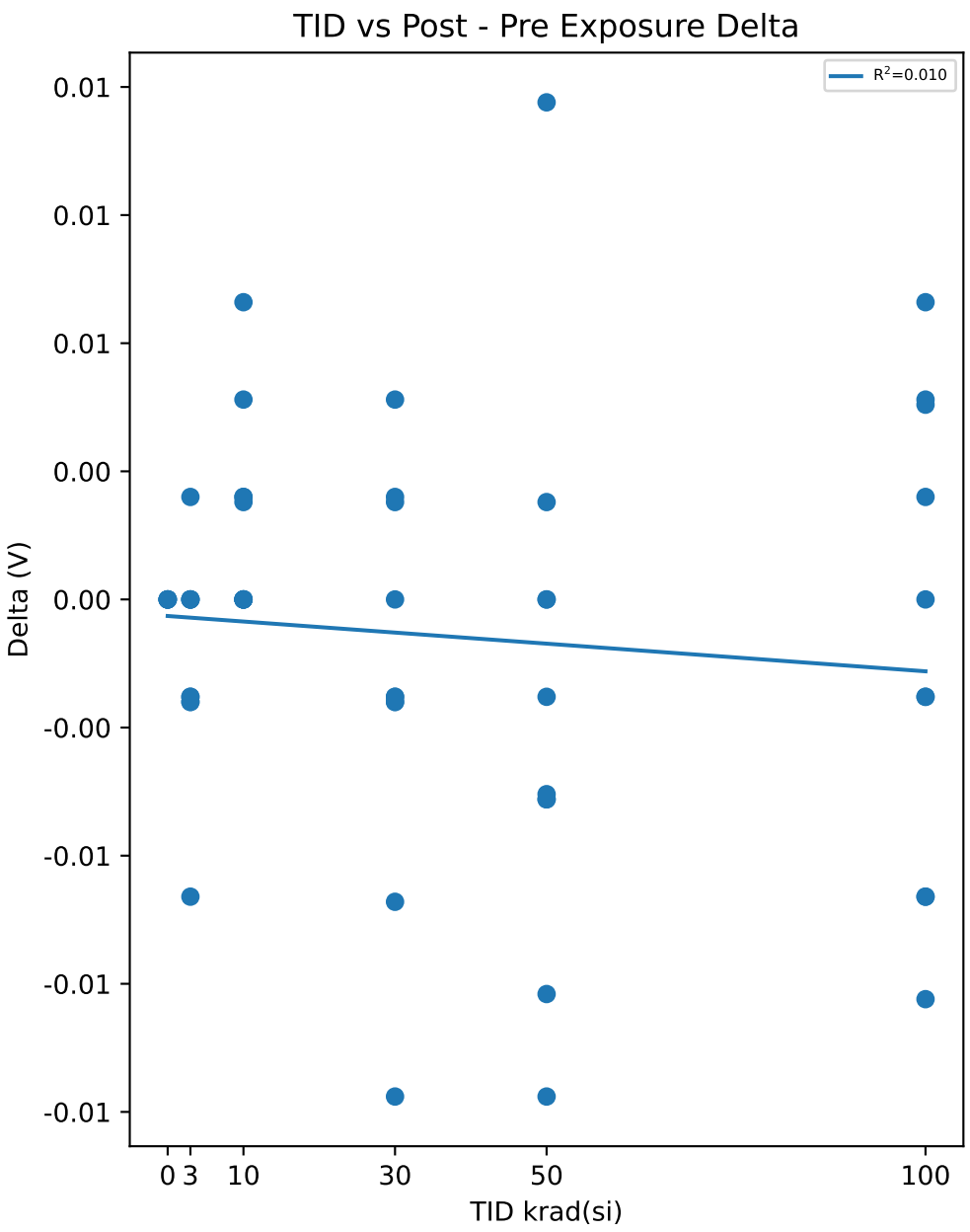
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.8008	2.8008	0
2	3	Biased	2.7969	2.7989	0.002
3	3	Biased	2.8067	2.8047	-0.002
4	3	Biased	2.8028	2.8028	0
5	3	Biased	2.8008	2.8008	0
6	3	Unbiased	2.8067	2.8067	0
7	3	Unbiased	2.7989	2.7989	0
8	3	Unbiased	2.7911	2.7931	0.002
9	3	Unbiased	2.8125	2.8144	0.0019
10	3	Unbiased	2.7911	2.7892	-0.0019
11	10	Biased	2.7989	2.7989	0
12	10	Biased	2.8105	2.8086	-0.0019
13	10	Biased	2.8008	2.7969	-0.0039
14	10	Biased	2.7989	2.8008	0.0019
15	10	Biased	2.7892	2.7872	-0.002
16	10	Unbiased	2.8086	2.8067	-0.0019
17	10	Unbiased	2.8183	2.8183	0
18	10	Unbiased	2.8028	2.8047	0.0019
19	10	Unbiased	2.8008	2.7989	-0.0019
20	10	Unbiased	2.8047	2.8047	0
21	30	Biased	2.8086	2.795	-0.0136
22	30	Biased	2.8008	2.7969	-0.0039
23	30	Biased	2.795	2.7931	-0.0019
24	30	Biased	2.7969	2.7911	-0.0058
25	30	Biased	2.7989	2.7969	-0.002
26	30	Unbiased	2.8028	2.8008	-0.002
27	30	Unbiased	2.8028	2.7989	-0.0039
28	30	Unbiased	2.7969	2.7989	0.002
29	30	Unbiased	2.8067	2.8067	0
30	30	Unbiased	2.8067	2.8105	0.0038
31	50	Biased	2.8067	2.8047	-0.002
32	50	Biased	2.7911	2.7931	0.002
33	50	Biased	2.8028	2.7969	-0.0059
34	50	Biased	2.7892	2.7931	0.0039
35	50	Biased	2.7989	2.7989	0
36	50	Unbiased	2.7969	2.7969	0
37	50	Unbiased	2.8047	2.8086	0.0039
38	50	Unbiased	2.8086	2.8047	-0.0039
39	50	Unbiased	2.8086	2.8047	-0.0039
40	50	Unbiased	2.8028	2.8008	-0.002
41	100	Biased	2.8067	2.7969	-0.0098
42	100	Biased	2.8008	2.7911	-0.0097
43	100	Biased	2.8008	2.7911	-0.0097
44	100	Biased	2.7989	2.795	-0.0039
45	100	Biased	2.7989	2.7892	-0.0097
46	100	Unbiased	2.7989	2.8047	0.0058
47	100	Unbiased	2.8144	2.8202	0.0058
48	100	Unbiased	2.795	2.795	0
49	100	Unbiased	2.8183	2.795	-0.0233
50	100	Unbiased	2.8086	2.8125	0.0039
51	0	Correlation	2.7931	2.7931	0
53	0	Correlation	2.8067	2.8067	0
54	0	Correlation	2.7931	2.7931	0
55	0	Correlation	2.8144	2.8144	0
56	0	Correlation	2.8067	2.8067	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	2.7931	2.8028	2.8144	0.0093963	2.7931	2.8028	2.8144	0.0093963	0	0	0	0
3	2.7911	2.8008	2.8125	0.0068109	2.7892	2.801	2.8144	0.0069883	-0.002	0.0002	0.002	0.0014461
10	2.7892	2.8034	2.8183	0.007868	2.7872	2.8026	2.8183	0.0082218	-0.0039	-0.00078	0.0019	0.0018612
30	2.795	2.8016	2.8086	0.004709	2.7911	2.7989	2.8105	0.005932	-0.0136	-0.00273	0.0038	0.0047673
50	2.7892	2.801	2.8086	0.0068851	2.7931	2.8002	2.8086	0.0053327	-0.0059	-0.00079	0.0039	0.0033567
100	2.795	2.8041	2.8183	0.0076044	2.7892	2.7991	2.8202	0.010206	-0.0233	-0.00506	0.0058	0.0092067

Device Test: 6.39; UVLO_FALL





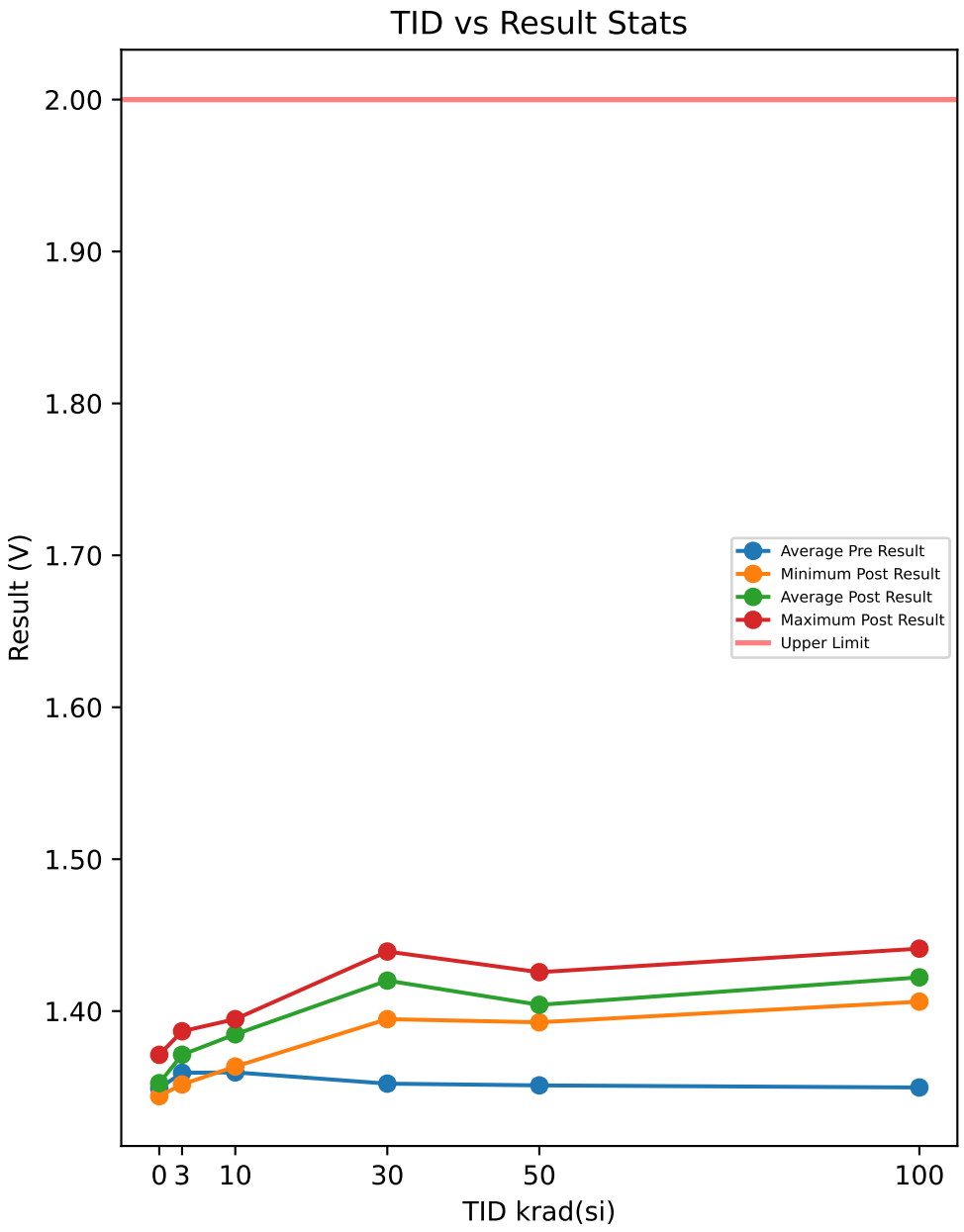
Test Results (Lower Limit = 2.58, Upper Limit = 2.72 (V))

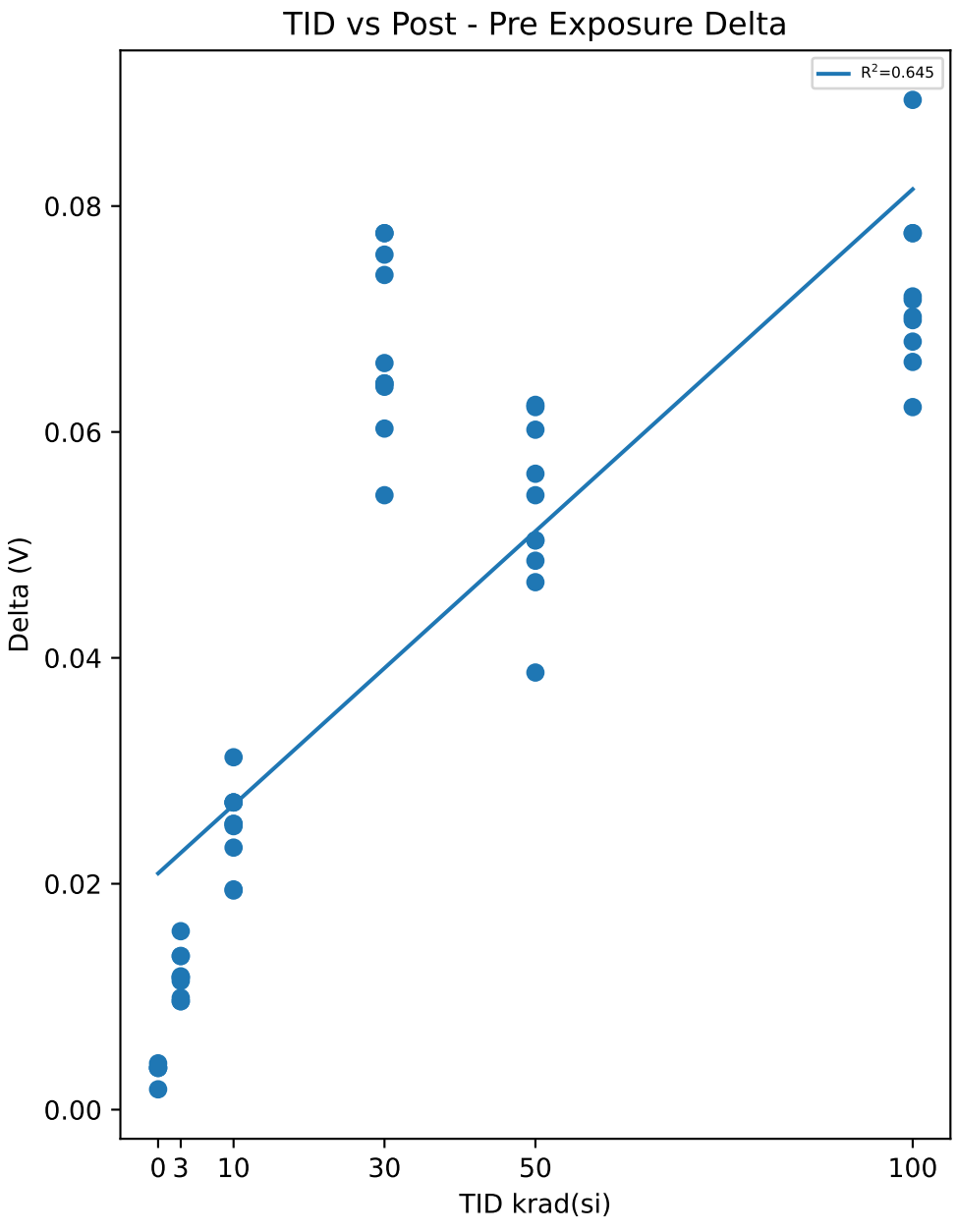
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	2.6474	2.6474	0
2	3	Biased	2.6435	2.6416	-0.0019
3	3	Biased	2.6532	2.6532	0
4	3	Biased	2.6551	2.6532	-0.0019
5	3	Biased	2.6532	2.6532	0
6	3	Unbiased	2.659	2.659	0
7	3	Unbiased	2.6474	2.6454	-0.002
8	3	Unbiased	2.6396	2.6416	0.002
9	3	Unbiased	2.6649	2.6629	-0.002
10	3	Unbiased	2.6493	2.6435	-0.0058
11	10	Biased	2.6493	2.6513	0.002
12	10	Biased	2.6571	2.6571	0
13	10	Biased	2.6454	2.6454	0
14	10	Biased	2.6513	2.6513	0
15	10	Biased	2.6357	2.6377	0.002
16	10	Unbiased	2.6513	2.6532	0.0019
17	10	Unbiased	2.6629	2.6687	0.0058
18	10	Unbiased	2.6532	2.6571	0.0039
19	10	Unbiased	2.6493	2.6493	0
20	10	Unbiased	2.6493	2.6493	0
21	30	Biased	2.6551	2.6454	-0.0097
22	30	Biased	2.6474	2.6454	-0.002
23	30	Biased	2.6454	2.6435	-0.0019
24	30	Biased	2.6416	2.6357	-0.0059
25	30	Biased	2.6435	2.6474	0.0039
26	30	Unbiased	2.6532	2.6532	0
27	30	Unbiased	2.6513	2.6493	-0.002
28	30	Unbiased	2.6513	2.6532	0.0019
29	30	Unbiased	2.6551	2.6532	-0.0019
30	30	Unbiased	2.6551	2.6571	0.002
31	50	Biased	2.6532	2.6532	0
32	50	Biased	2.6416	2.6377	-0.0039
33	50	Biased	2.6454	2.6416	-0.0038
34	50	Biased	2.6435	2.6396	-0.0039
35	50	Biased	2.6493	2.6416	-0.0077
36	50	Unbiased	2.6493	2.6474	-0.0019
37	50	Unbiased	2.6474	2.6571	0.0097
38	50	Unbiased	2.6532	2.6532	0
39	50	Unbiased	2.6629	2.6532	-0.0097
40	50	Unbiased	2.6532	2.6551	0.0019
41	100	Biased	2.6532	2.6513	-0.0019
42	100	Biased	2.6454	2.6396	-0.0058
43	100	Biased	2.6532	2.6474	-0.0058
44	100	Biased	2.6416	2.6416	0
45	100	Biased	2.6454	2.6435	-0.0019
46	100	Unbiased	2.6454	2.6474	0.002
47	100	Unbiased	2.661	2.6649	0.0039
48	100	Unbiased	2.6416	2.6454	0.0038
49	100	Unbiased	2.6629	2.6551	-0.0078
50	100	Unbiased	2.6513	2.6571	0.0058
51	0	Correlation	2.6416	2.6416	0
53	0	Correlation	2.6513	2.6513	0
54	0	Correlation	2.6435	2.6435	0
55	0	Correlation	2.659	2.659	0
56	0	Correlation	2.661	2.661	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	2.6416	2.6513	2.661	0.0087794	2.6416	2.6513	2.661	0.0087794	0	0	0	0
3	2.6396	2.6513	2.6649	0.007439	2.6416	2.6501	2.6629	0.0073735	-0.0058	-0.00116	0.002	0.0020924
10	2.6357	2.6505	2.6629	0.0071122	2.6377	2.652	2.6687	0.0081373	0	0.00156	0.0058	0.0020034
30	2.6416	2.6499	2.6551	0.0050802	2.6357	2.6483	2.6571	0.0062351	-0.0097	-0.00156	0.0039	0.0039806
50	2.6416	2.6499	2.6629	0.006135	2.6377	2.648	2.6571	0.0072515	-0.0097	-0.00193	0.0097	0.0053986
100	2.6416	2.6501	2.6629	0.0075578	2.6396	2.6493	2.6649	0.0078265	-0.0078	-0.00077	0.0058	0.004675

Device Test: 6.40; VIN_VALID





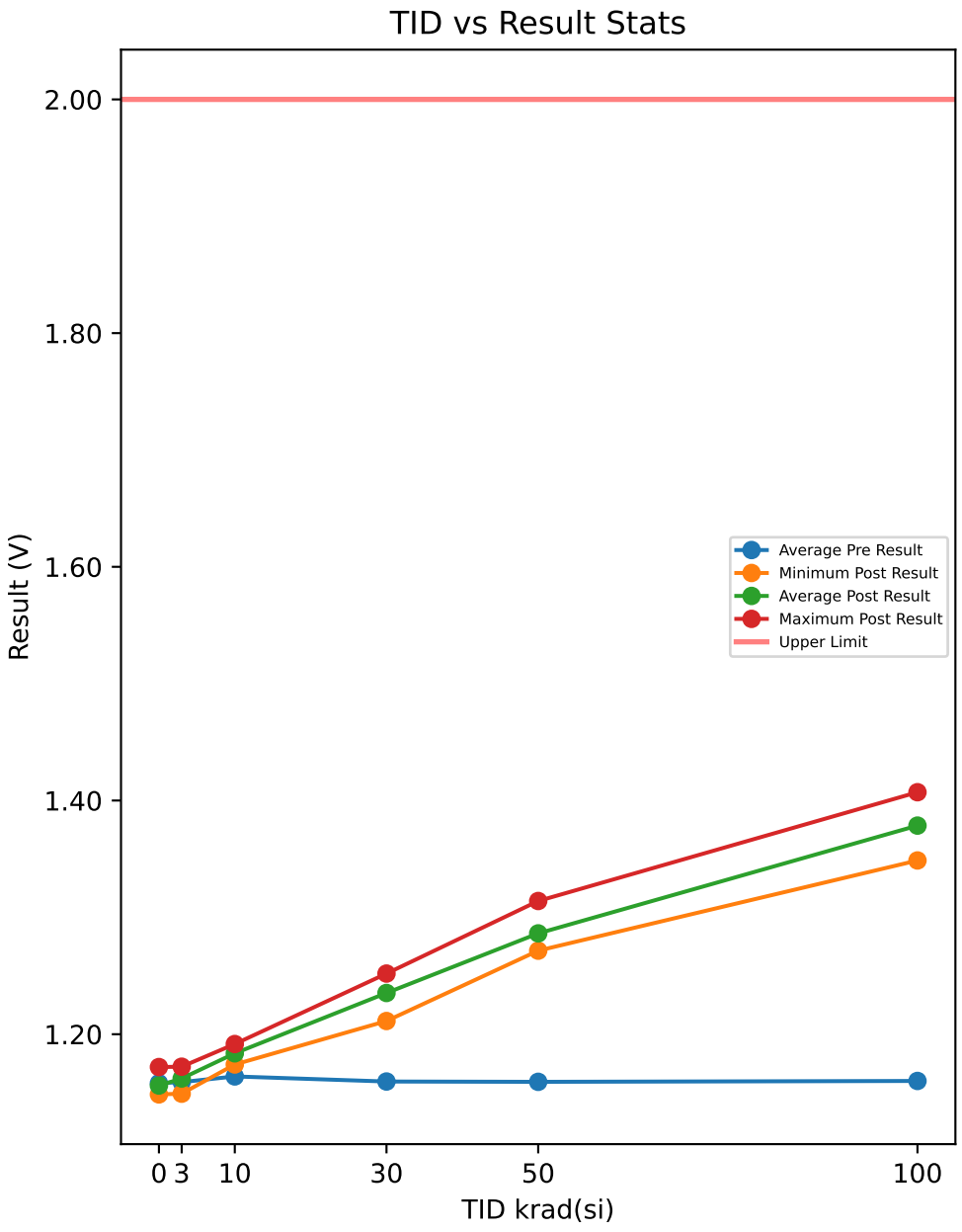
Test Results (Upper Limit = 2.0 (V))

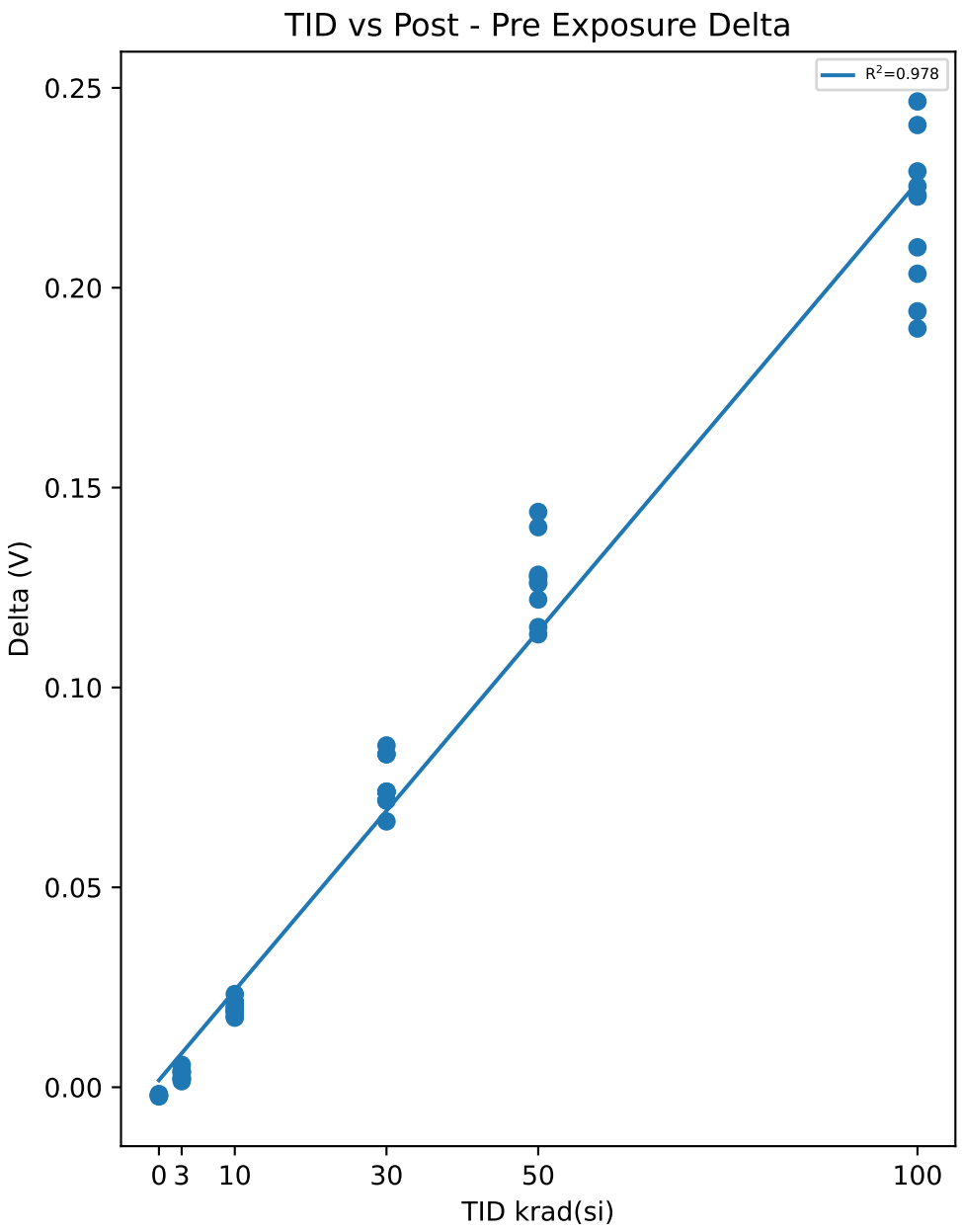
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.3771	1.3867	0.0096
2	3	Biased	1.3403	1.3517	0.0114
3	3	Biased	1.344	1.3558	0.0118
4	3	Biased	1.3654	1.379	0.0136
5	3	Biased	1.3422	1.3558	0.0136
6	3	Unbiased	1.3595	1.3712	0.0117
7	3	Unbiased	1.3731	1.383	0.0099
8	3	Unbiased	1.3517	1.3675	0.0158
9	3	Unbiased	1.3654	1.3771	0.0117
10	3	Unbiased	1.3752	1.3848	0.0096
11	10	Biased	1.3635	1.3867	0.0232
12	10	Biased	1.3635	1.383	0.0195
13	10	Biased	1.3539	1.3811	0.0272
14	10	Biased	1.3694	1.3947	0.0253
15	10	Biased	1.3694	1.3888	0.0194
16	10	Unbiased	1.3654	1.3926	0.0272
17	10	Unbiased	1.3635	1.3888	0.0253
18	10	Unbiased	1.3363	1.3635	0.0272
19	10	Unbiased	1.3576	1.3888	0.0312
20	10	Unbiased	1.3539	1.379	0.0251
21	30	Biased	1.3576	1.4179	0.0603
22	30	Biased	1.3595	1.4238	0.0643
23	30	Biased	1.3635	1.4179	0.0544
24	30	Biased	1.3539	1.4179	0.064
25	30	Biased	1.3304	1.3947	0.0643
26	30	Unbiased	1.3326	1.4083	0.0757
27	30	Unbiased	1.3731	1.4392	0.0661
28	30	Unbiased	1.3616	1.4392	0.0776
29	30	Unbiased	1.348	1.4256	0.0776
30	30	Unbiased	1.3422	1.4161	0.0739
31	50	Biased	1.3539	1.3926	0.0387
32	50	Biased	1.3752	1.4256	0.0504
33	50	Biased	1.3499	1.3966	0.0467
34	50	Biased	1.3459	1.4083	0.0624
35	50	Biased	1.348	1.3966	0.0486
36	50	Unbiased	1.3422	1.4024	0.0602
37	50	Unbiased	1.3403	1.3947	0.0544
38	50	Unbiased	1.3635	1.4139	0.0504
39	50	Unbiased	1.3403	1.3966	0.0563
40	50	Unbiased	1.3517	1.4139	0.0622
41	100	Biased	1.3539	1.4315	0.0776
42	100	Biased	1.3539	1.4161	0.0622
43	100	Biased	1.344	1.4102	0.0662
44	100	Biased	1.3558	1.4238	0.068
45	100	Biased	1.3694	1.4411	0.0717
46	100	Unbiased	1.3499	1.4219	0.072
47	100	Unbiased	1.3286	1.4062	0.0776
48	100	Unbiased	1.3517	1.4411	0.0894
49	100	Unbiased	1.3459	1.4161	0.0702
50	100	Unbiased	1.344	1.4139	0.0699
51	0	Correlation	1.3675	1.3712	0.0037
53	0	Correlation	1.3422	1.344	0.0018
54	0	Correlation	1.3517	1.3558	0.0041
55	0	Correlation	1.3422	1.3459	0.0037
56	0	Correlation	1.3422	1.3459	0.0037

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	1.3422	1.3492	1.3675	0.011047	1.344	1.3526	1.3712	0.011401	0.0018	0.0034	0.0041	0.00091104
3	1.3403	1.3594	1.3771	0.014062	1.3517	1.3713	1.3867	0.013031	0.0096	0.01187	0.0158	0.0019972
10	1.3363	1.3596	1.3694	0.0099062	1.3635	1.3847	1.3947	0.0089108	0.0194	0.02506	0.0312	0.0036204
30	1.3304	1.3522	1.3731	0.013805	1.3947	1.4201	1.4392	0.013285	0.0544	0.06782	0.0776	0.0079536
50	1.3403	1.3511	1.3752	0.011022	1.3926	1.4041	1.4256	0.010874	0.0387	0.05303	0.0624	0.0075626
100	1.3286	1.3497	1.3694	0.010484	1.4062	1.4222	1.4411	0.012233	0.0622	0.07248	0.0894	0.0075762

Device Test: 6.41; VIN_VALID





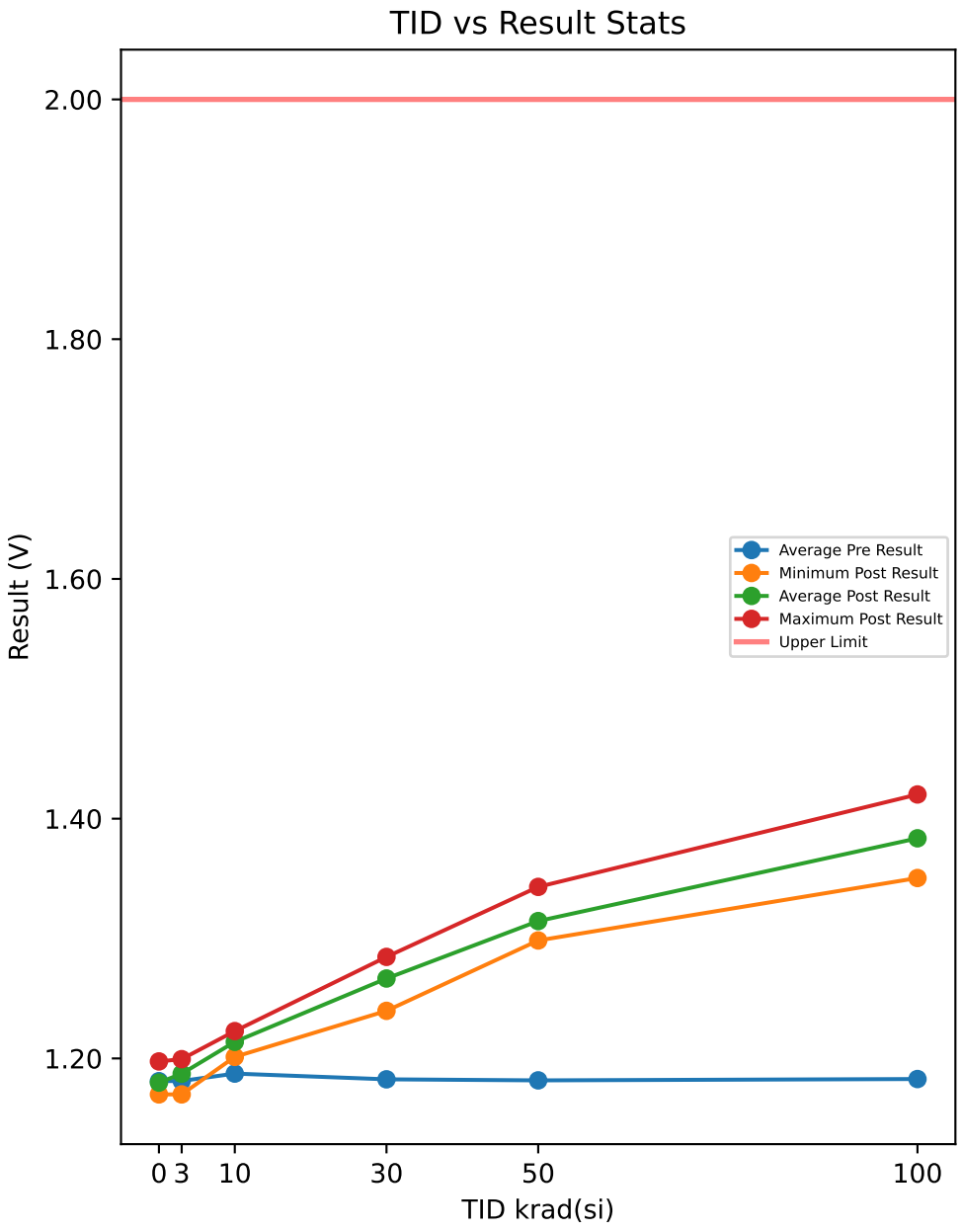
Test Results (Upper Limit = 2.0 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.1623	1.1647	0.0024
2	3	Biased	1.1452	1.1491	0.0039
3	3	Biased	1.1508	1.1547	0.0039
4	3	Biased	1.1626	1.166	0.0034
5	3	Biased	1.1489	1.1529	0.004
6	3	Unbiased	1.1601	1.1622	0.0021
7	3	Unbiased	1.1686	1.1707	0.0021
8	3	Unbiased	1.1548	1.1604	0.0056
9	3	Unbiased	1.1667	1.1682	0.0015
10	3	Unbiased	1.1701	1.1722	0.0021
11	10	Biased	1.1645	1.1822	0.0177
12	10	Biased	1.1664	1.1875	0.0211
13	10	Biased	1.1605	1.1797	0.0192
14	10	Biased	1.1683	1.1916	0.0233
15	10	Biased	1.1642	1.1841	0.0199
16	10	Unbiased	1.1645	1.1819	0.0174
17	10	Unbiased	1.1642	1.1841	0.0199
18	10	Unbiased	1.1552	1.1741	0.0189
19	10	Unbiased	1.1626	1.1841	0.0215
20	10	Unbiased	1.1683	1.1872	0.0189
21	30	Biased	1.1605	1.2322	0.0717
22	30	Biased	1.1623	1.2362	0.0739
23	30	Biased	1.1664	1.2497	0.0833
24	30	Biased	1.1589	1.2422	0.0833
25	30	Biased	1.1448	1.2113	0.0665
26	30	Unbiased	1.1505	1.2244	0.0739
27	30	Unbiased	1.1742	1.2481	0.0739
28	30	Unbiased	1.1664	1.2519	0.0855
29	30	Unbiased	1.1564	1.2303	0.0739
30	30	Unbiased	1.1548	1.2266	0.0718
31	50	Biased	1.1564	1.2843	0.1279
32	50	Biased	1.1701	1.314	0.1439
33	50	Biased	1.1608	1.2884	0.1276
34	50	Biased	1.1561	1.2962	0.1401
35	50	Biased	1.1645	1.2865	0.122
36	50	Unbiased	1.1527	1.2787	0.126
37	50	Unbiased	1.1564	1.2715	0.1151
38	50	Unbiased	1.1623	1.2756	0.1133
39	50	Unbiased	1.1527	1.2809	0.1282
40	50	Unbiased	1.1605	1.2868	0.1263
41	100	Biased	1.1605	1.4071	0.2466
42	100	Biased	1.1608	1.3836	0.2228
43	100	Biased	1.1605	1.3896	0.2291
44	100	Biased	1.1642	1.3874	0.2232
45	100	Biased	1.1664	1.4071	0.2407
46	100	Unbiased	1.1664	1.3605	0.1941
47	100	Unbiased	1.147	1.3505	0.2035
48	100	Unbiased	1.1645	1.3899	0.2254
49	100	Unbiased	1.1589	1.3487	0.1898
50	100	Unbiased	1.1508	1.3609	0.2101
51	0	Correlation	1.1739	1.1719	-0.002
53	0	Correlation	1.1527	1.1507	-0.002
54	0	Correlation	1.1583	1.1566	-0.0017
55	0	Correlation	1.1548	1.1526	-0.0022
56	0	Correlation	1.1508	1.1485	-0.0023

Test Statistics (V)

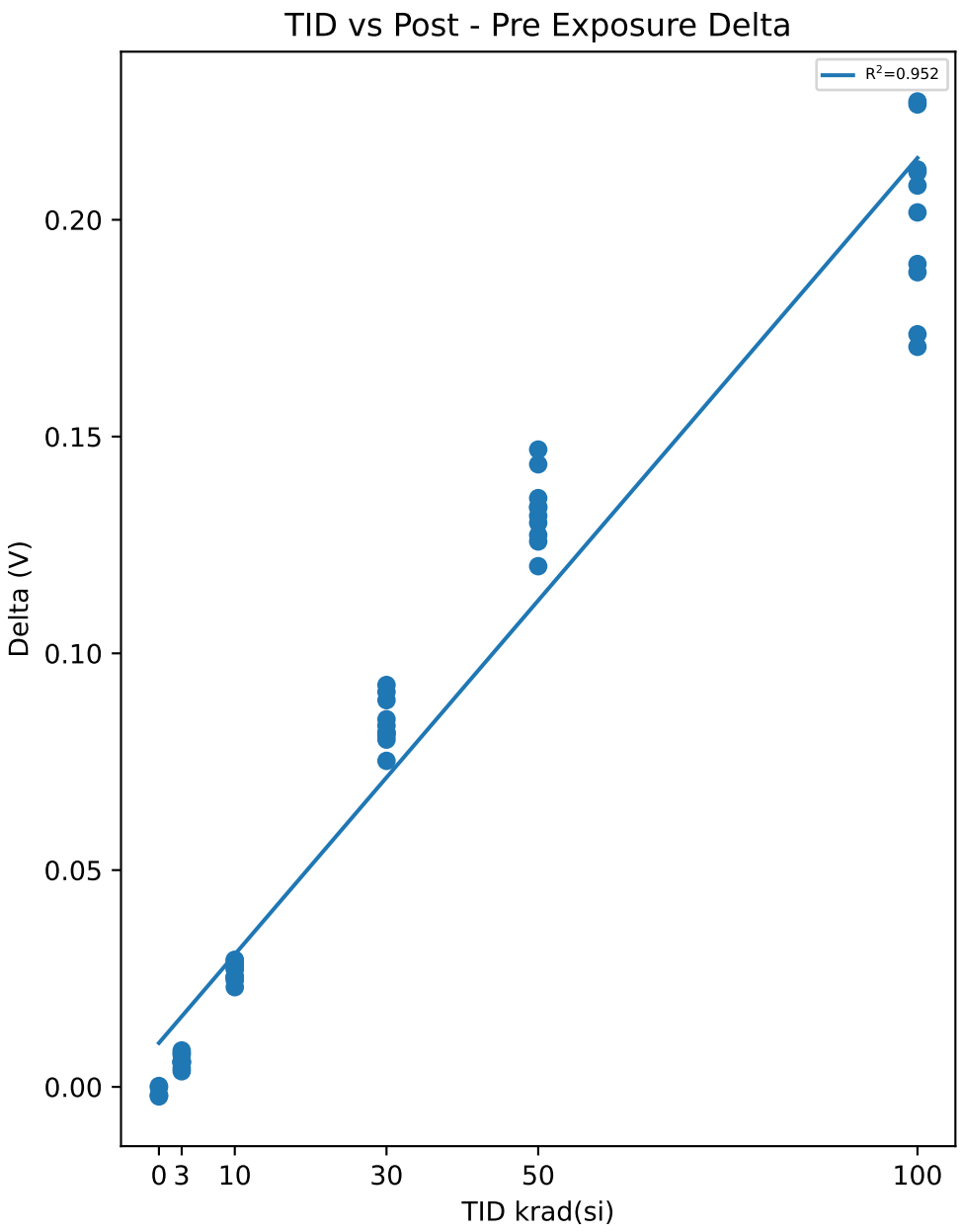
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.1508	1.1581	1.1739	0.0092604	1.1485	1.1561	1.1719	0.0093415	-0.0023	-0.00204	-0.0017	0.00023022
3	1.1452	1.159	1.1701	0.0086734	1.1491	1.1621	1.1722	0.0077921	0.0015	0.0031	0.0056	0.0012684
10	1.1552	1.1639	1.1683	0.0038701	1.1741	1.1836	1.1916	0.0047517	0.0174	0.01978	0.0233	0.0017949
30	1.1448	1.1595	1.1742	0.0084938	1.2113	1.2353	1.2519	0.012911	0.0665	0.07577	0.0855	0.0061493
50	1.1527	1.1593	1.1701	0.0054825	1.2715	1.2863	1.314	0.011993	0.1133	0.12704	0.1439	0.0095196
100	1.147	1.16	1.1664	0.0064619	1.3487	1.3785	1.4071	0.021858	0.1898	0.21853	0.2466	0.018849

Device Test: 6.42; VIN_VALID



Test Results (Upper Limit = 2.0 (V))

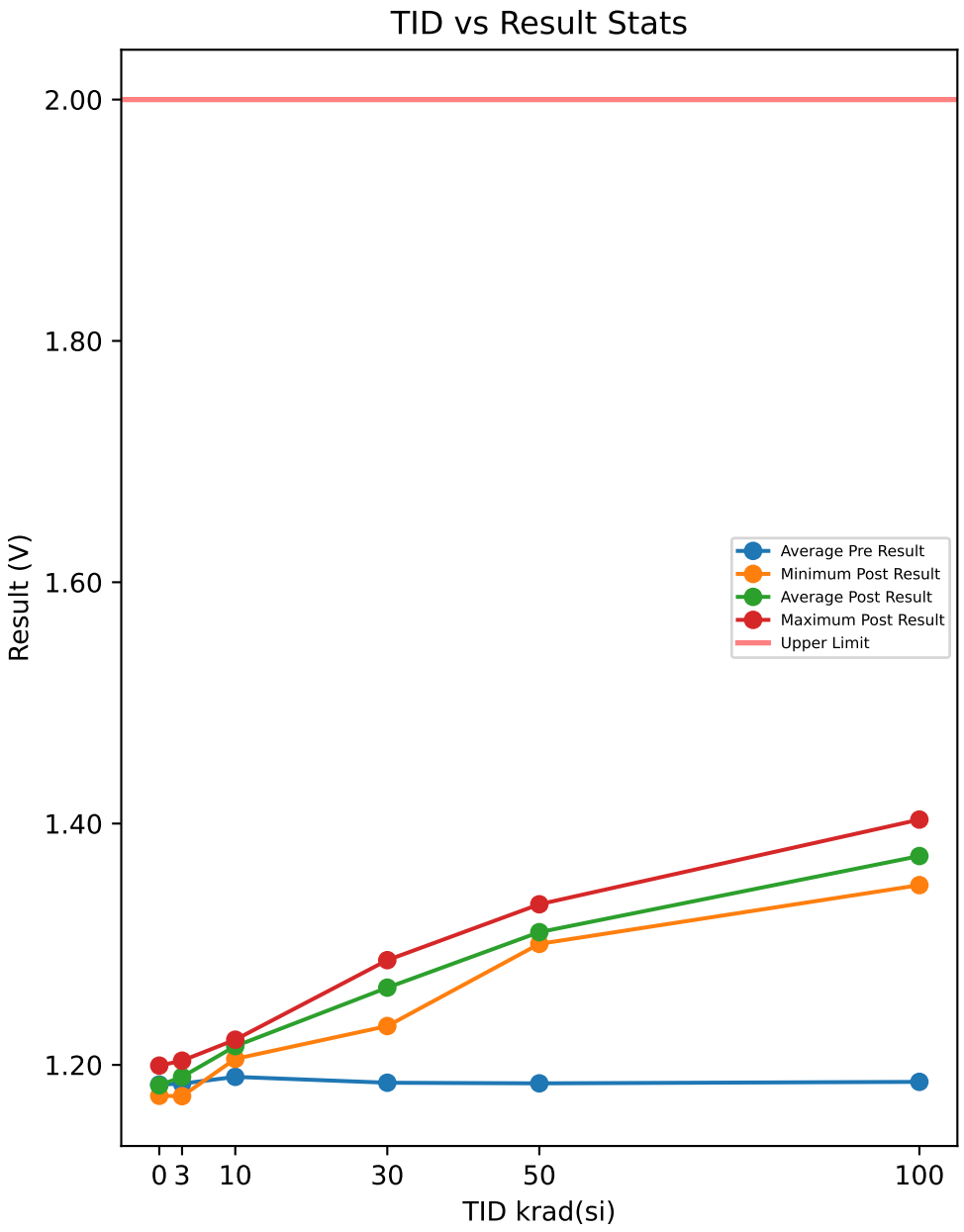
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.1876	1.1919	0.0043
2	3	Biased	1.1664	1.17	0.0036
3	3	Biased	1.1723	1.1782	0.0059
4	3	Biased	1.1858	1.1932	0.0074
5	3	Biased	1.1698	1.1782	0.0084
6	3	Unbiased	1.1817	1.1875	0.0058
7	3	Unbiased	1.1895	1.195	0.0055
8	3	Unbiased	1.1779	1.1857	0.0078
9	3	Unbiased	1.1876	1.1932	0.0056
10	3	Unbiased	1.1936	1.1994	0.0058
11	10	Biased	1.1864	1.211	0.0246
12	10	Biased	1.1917	1.2169	0.0252
13	10	Biased	1.1839	1.2113	0.0274
14	10	Biased	1.1936	1.2228	0.0292
15	10	Biased	1.1895	1.2125	0.023
16	10	Unbiased	1.1873	1.2166	0.0293
17	10	Unbiased	1.1895	1.2166	0.0271
18	10	Unbiased	1.1758	1.2013	0.0255
19	10	Unbiased	1.1864	1.2147	0.0283
20	10	Unbiased	1.1895	1.2147	0.0252
21	30	Biased	1.1839	1.264	0.0801
22	30	Biased	1.1861	1.2694	0.0833
23	30	Biased	1.1936	1.2784	0.0848
24	30	Biased	1.1798	1.2709	0.0911
25	30	Biased	1.1645	1.2397	0.0752
26	30	Unbiased	1.1745	1.2556	0.0811
27	30	Unbiased	1.1992	1.2809	0.0817
28	30	Unbiased	1.192	1.2847	0.0927
29	30	Unbiased	1.1761	1.2653	0.0892
30	30	Unbiased	1.1761	1.2578	0.0817
31	50	Biased	1.1817	1.3118	0.1301
32	50	Biased	1.1995	1.3431	0.1436
33	50	Biased	1.1798	1.3156	0.1358
34	50	Biased	1.1761	1.3231	0.147
35	50	Biased	1.1864	1.3137	0.1273
36	50	Unbiased	1.1764	1.3081	0.1317
37	50	Unbiased	1.1726	1.2984	0.1258
38	50	Unbiased	1.1861	1.3062	0.1201
39	50	Unbiased	1.1761	1.3099	0.1338
40	50	Unbiased	1.1823	1.3159	0.1336
41	100	Biased	1.1876	1.4149	0.2273
42	100	Biased	1.1814	1.393	0.2116
43	100	Biased	1.1817	1.3896	0.2079
44	100	Biased	1.1879	1.3896	0.2017
45	100	Biased	1.1936	1.4202	0.2266
46	100	Unbiased	1.1873	1.3609	0.1736
47	100	Unbiased	1.1686	1.3565	0.1879
48	100	Unbiased	1.1861	1.3971	0.211
49	100	Unbiased	1.1798	1.3505	0.1707
50	100	Unbiased	1.1742	1.364	0.1898
51	0	Correlation	1.1973	1.1975	0.0002
53	0	Correlation	1.1779	1.1757	-0.0022
54	0	Correlation	1.1801	1.18	-0.0001
55	0	Correlation	1.1779	1.176	-0.0019
56	0	Correlation	1.172	1.17	-0.002

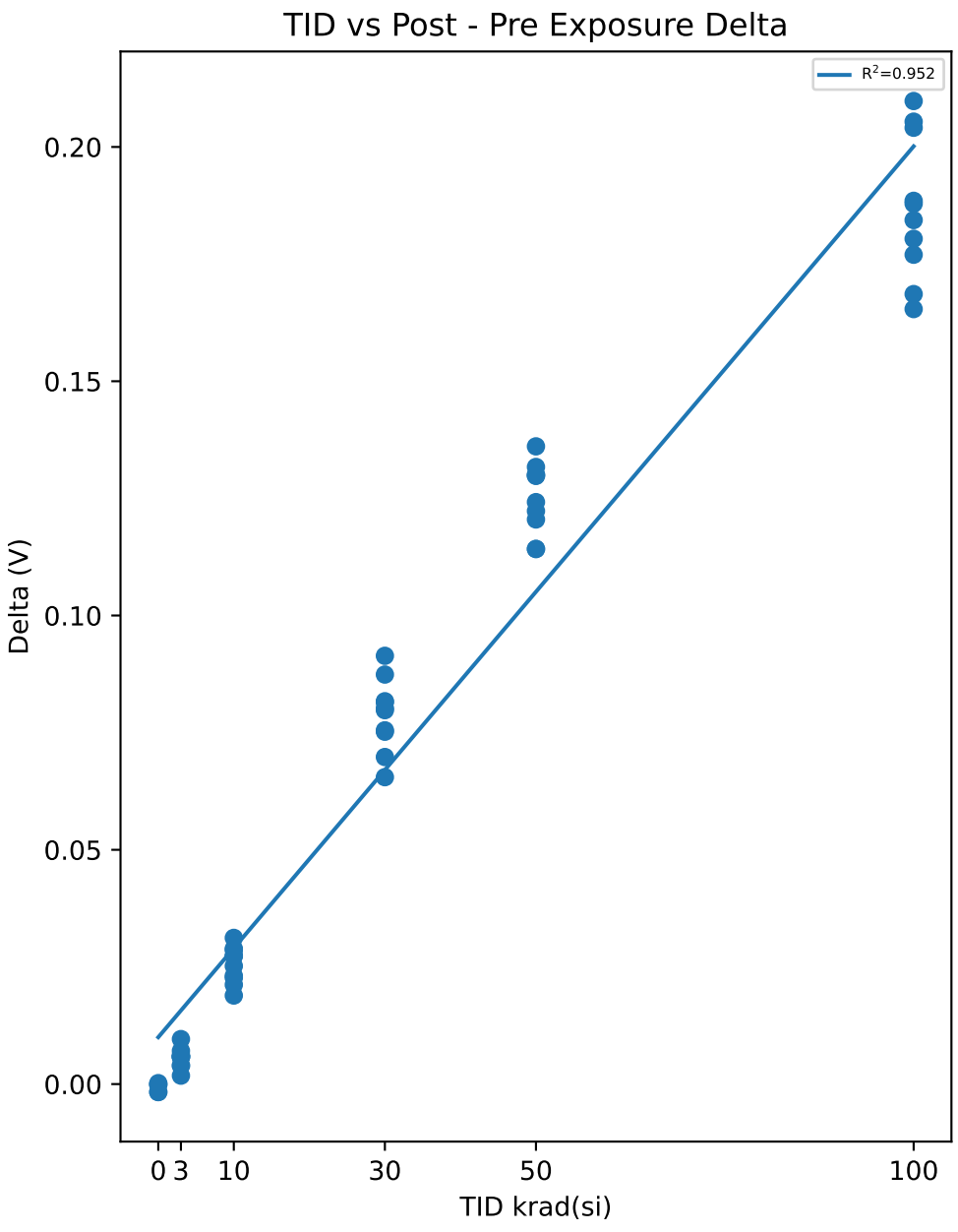


Test Statistics (V)

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	1.172	1.181	1.1973	0.0095749	1.17	1.1798	1.1975	0.010495	-0.0022	-0.0012	0.0002	0.0011511
3	1.1664	1.1812	1.1936	0.00922	1.17	1.1872	1.1994	0.0092132	0.0036	0.00601	0.0084	0.0014948
10	1.1758	1.1874	1.1936	0.0049325	1.2013	1.2138	1.2228	0.005577	0.023	0.02648	0.0293	0.0021023
30	1.1645	1.1826	1.1992	0.010458	1.2397	1.2667	1.2847	0.01345	0.0752	0.08409	0.0927	0.0054348
50	1.1726	1.1817	1.1995	0.0077164	1.2984	1.3146	1.3431	0.011987	0.1201	0.13288	0.147	0.0080132
100	1.1686	1.1828	1.1936	0.0073378	1.3505	1.3836	1.4202	0.024475	0.1707	0.20081	0.2273	0.019925

Device Test: 6.43; VIN_VALID





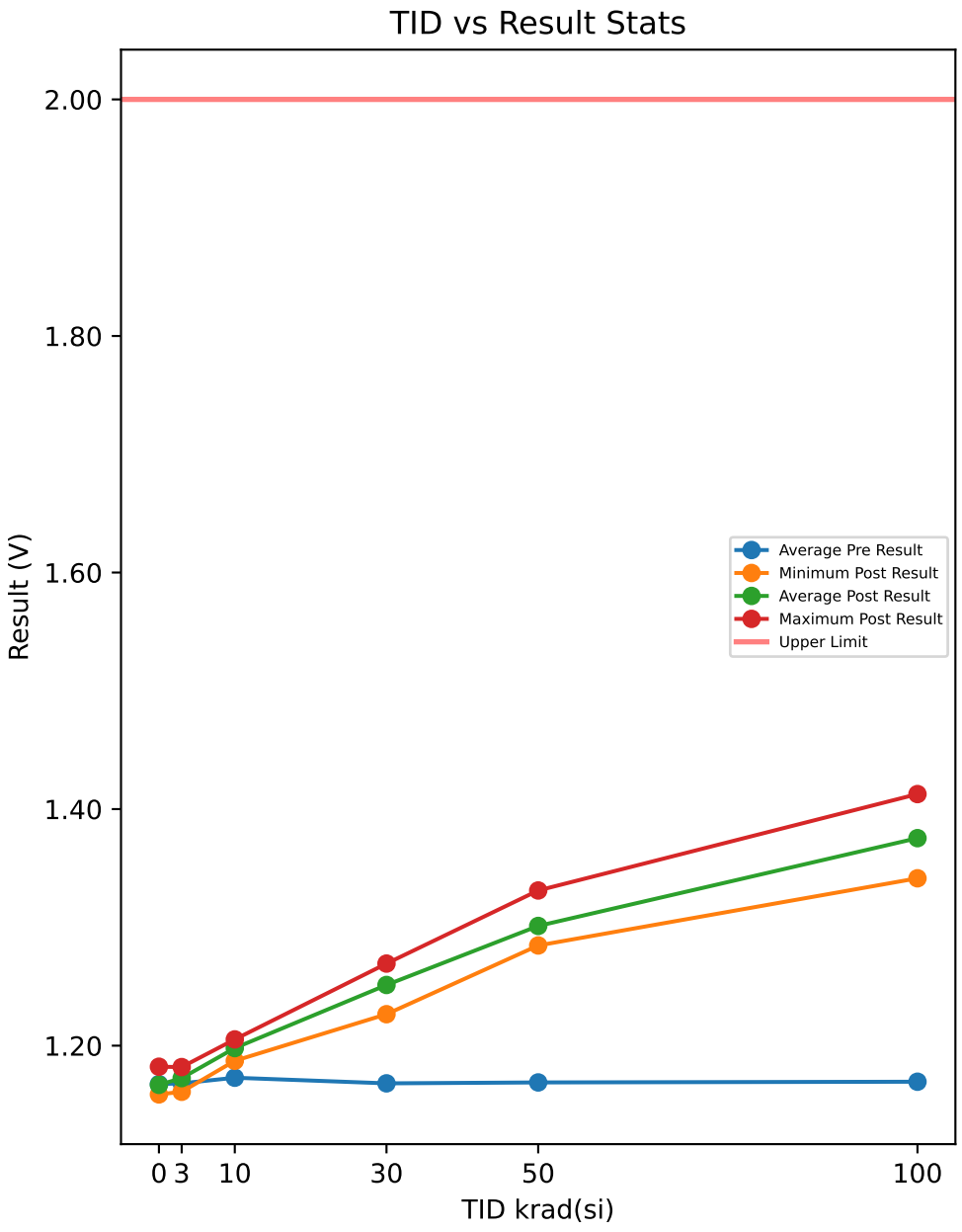
Test Results (Upper Limit = 2.0 (V))

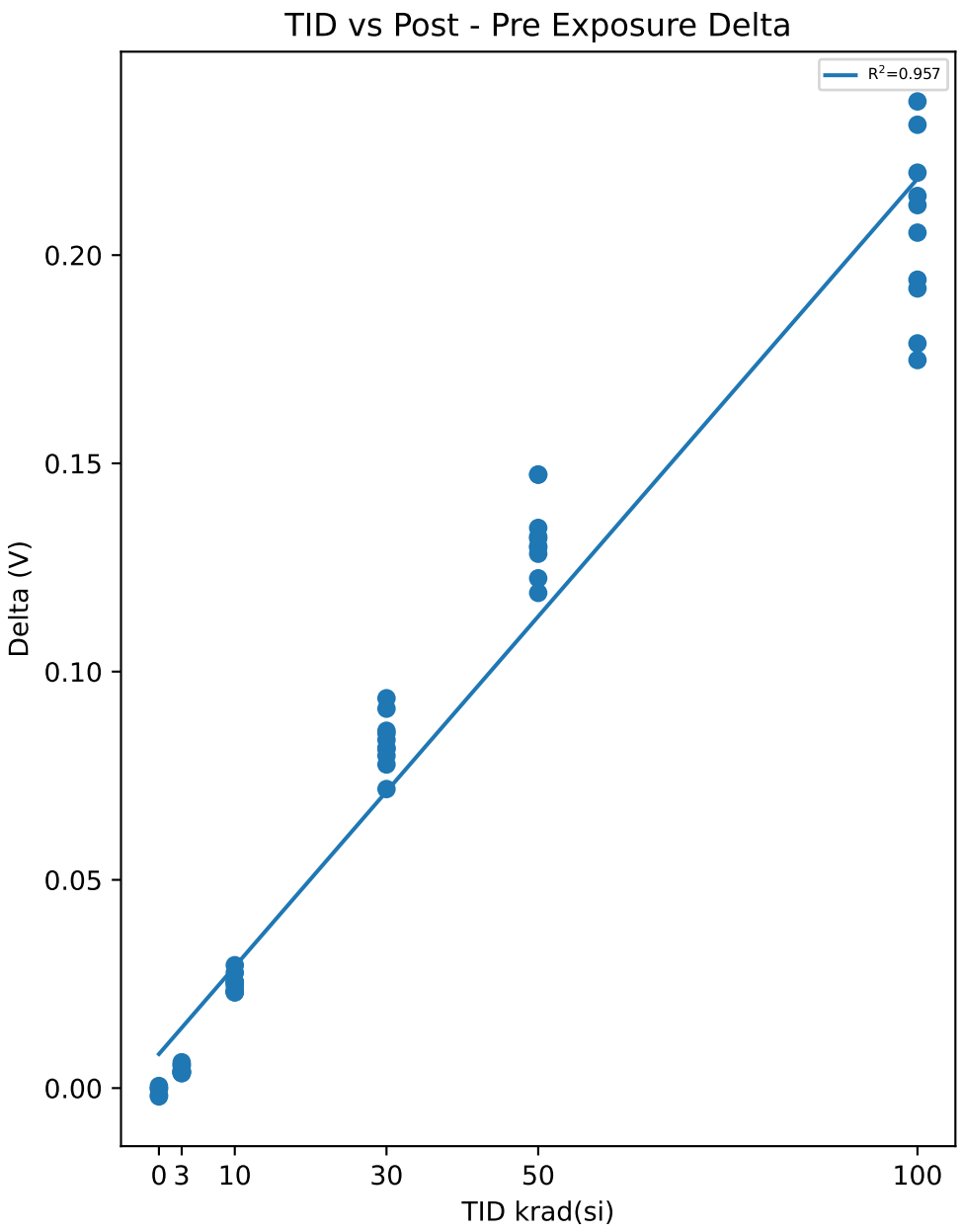
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.1917	1.1935	0.0018
2	3	Biased	1.1701	1.1741	0.004
3	3	Biased	1.1761	1.18	0.0039
4	3	Biased	1.1876	1.1935	0.0059
5	3	Biased	1.1726	1.1797	0.0071
6	3	Unbiased	1.1842	1.19	0.0058
7	3	Unbiased	1.1936	1.1994	0.0058
8	3	Unbiased	1.1798	1.1894	0.0096
9	3	Unbiased	1.1917	1.1975	0.0058
10	3	Unbiased	1.1973	1.2035	0.0062
11	10	Biased	1.1879	1.211	0.0231
12	10	Biased	1.1954	1.2166	0.0212
13	10	Biased	1.1861	1.2088	0.0227
14	10	Biased	1.1954	1.2206	0.0252
15	10	Biased	1.1936	1.2125	0.0189
16	10	Unbiased	1.1917	1.2206	0.0289
17	10	Unbiased	1.1936	1.2209	0.0273
18	10	Unbiased	1.1776	1.205	0.0274
19	10	Unbiased	1.1876	1.2188	0.0312
20	10	Unbiased	1.192	1.2206	0.0286
21	30	Biased	1.1861	1.2559	0.0698
22	30	Biased	1.1876	1.2628	0.0752
23	30	Biased	1.1973	1.2728	0.0755
24	30	Biased	1.1842	1.2644	0.0802
25	30	Biased	1.1667	1.2322	0.0655
26	30	Unbiased	1.1758	1.2575	0.0817
27	30	Unbiased	1.2014	1.2812	0.0798
28	30	Unbiased	1.1954	1.2868	0.0914
29	30	Unbiased	1.1798	1.2672	0.0874
30	30	Unbiased	1.1779	1.2594	0.0815
31	50	Biased	1.1861	1.3003	0.1142
32	50	Biased	1.2032	1.3331	0.1299
33	50	Biased	1.1817	1.304	0.1223
34	50	Biased	1.1776	1.3137	0.1361
35	50	Biased	1.1895	1.3037	0.1142
36	50	Unbiased	1.1801	1.3099	0.1298
37	50	Unbiased	1.1761	1.3003	0.1242
38	50	Unbiased	1.1876	1.3081	0.1205
39	50	Unbiased	1.1779	1.3096	0.1317
40	50	Unbiased	1.1873	1.3174	0.1301
41	100	Biased	1.1895	1.3993	0.2098
42	100	Biased	1.1858	1.3743	0.1885
43	100	Biased	1.1842	1.3721	0.1879
44	100	Biased	1.1895	1.3665	0.177
45	100	Biased	1.1992	1.4033	0.2041
46	100	Unbiased	1.1898	1.3584	0.1686
47	100	Unbiased	1.172	1.3524	0.1804
48	100	Unbiased	1.1898	1.3952	0.2054
49	100	Unbiased	1.1836	1.349	0.1654
50	100	Unbiased	1.1761	1.3605	0.1844
51	0	Correlation	1.2011	1.1994	-0.0017
53	0	Correlation	1.1798	1.1797	-0.0001
54	0	Correlation	1.1839	1.1822	-0.0017
55	0	Correlation	1.1798	1.1797	-0.0001
56	0	Correlation	1.1742	1.1744	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	1.1742	1.1838	1.2011	0.010289	1.1744	1.1831	1.1994	0.0095565	-0.0017	-0.00068	0.0002	0.00093915
3	1.1701	1.1845	1.1973	0.0094378	1.1741	1.1901	1.2035	0.0094903	0.0018	0.00559	0.0096	0.0020739
10	1.1776	1.1901	1.1954	0.0054791	1.205	1.2155	1.2209	0.0058087	0.0189	0.02545	0.0312	0.0038905
30	1.1667	1.1852	1.2014	0.010716	1.2322	1.264	1.2868	0.015075	0.0655	0.0788	0.0914	0.0076965
50	1.1761	1.1847	1.2032	0.0080498	1.3003	1.31	1.3331	0.0098303	0.1142	0.1253	0.1361	0.0074664
100	1.172	1.186	1.1992	0.0076786	1.349	1.3731	1.4033	0.019768	0.1654	0.18715	0.2098	0.015308

Device Test: 6.44; VIN_VALID





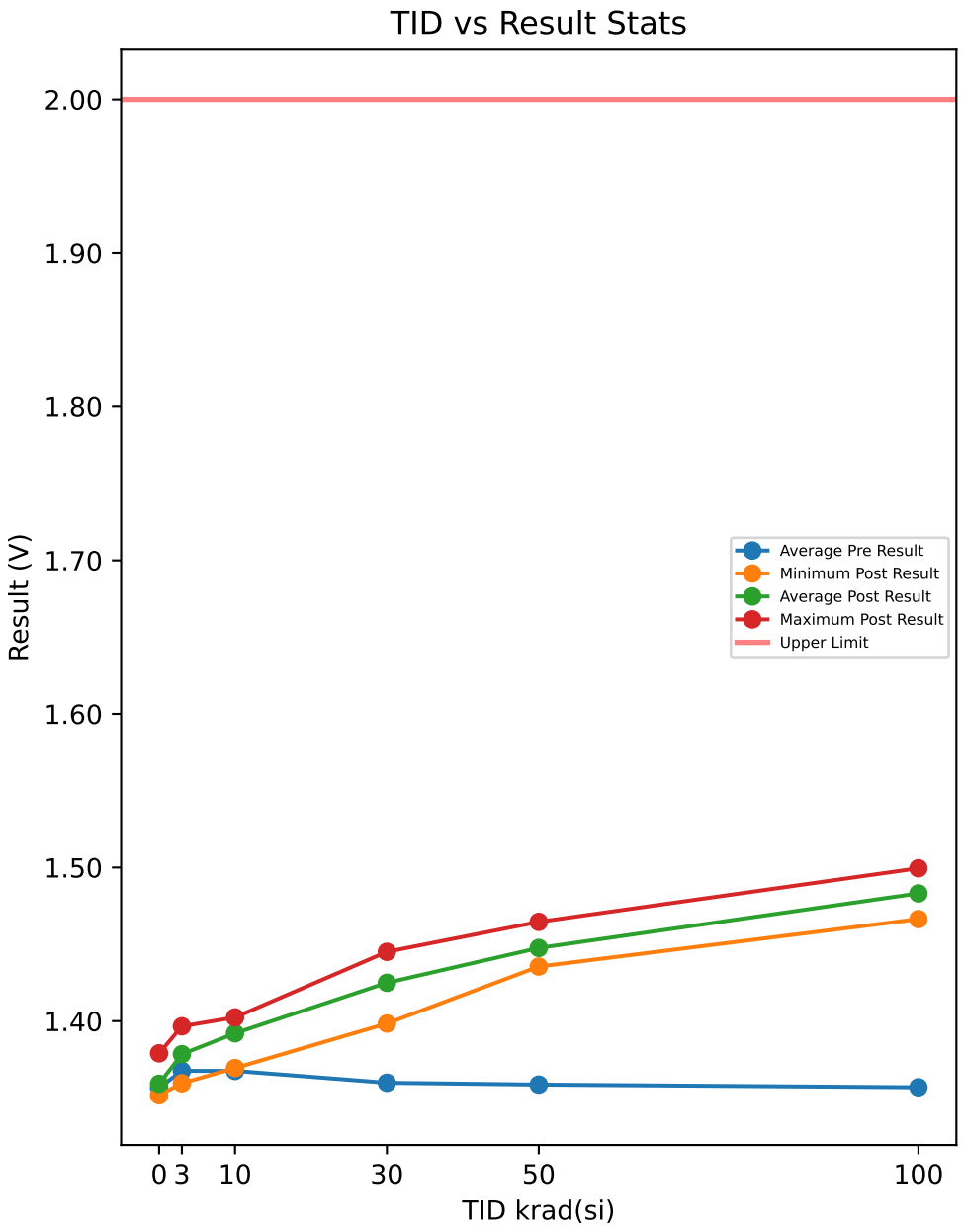
Test Results (Upper Limit = 2.0 (V))

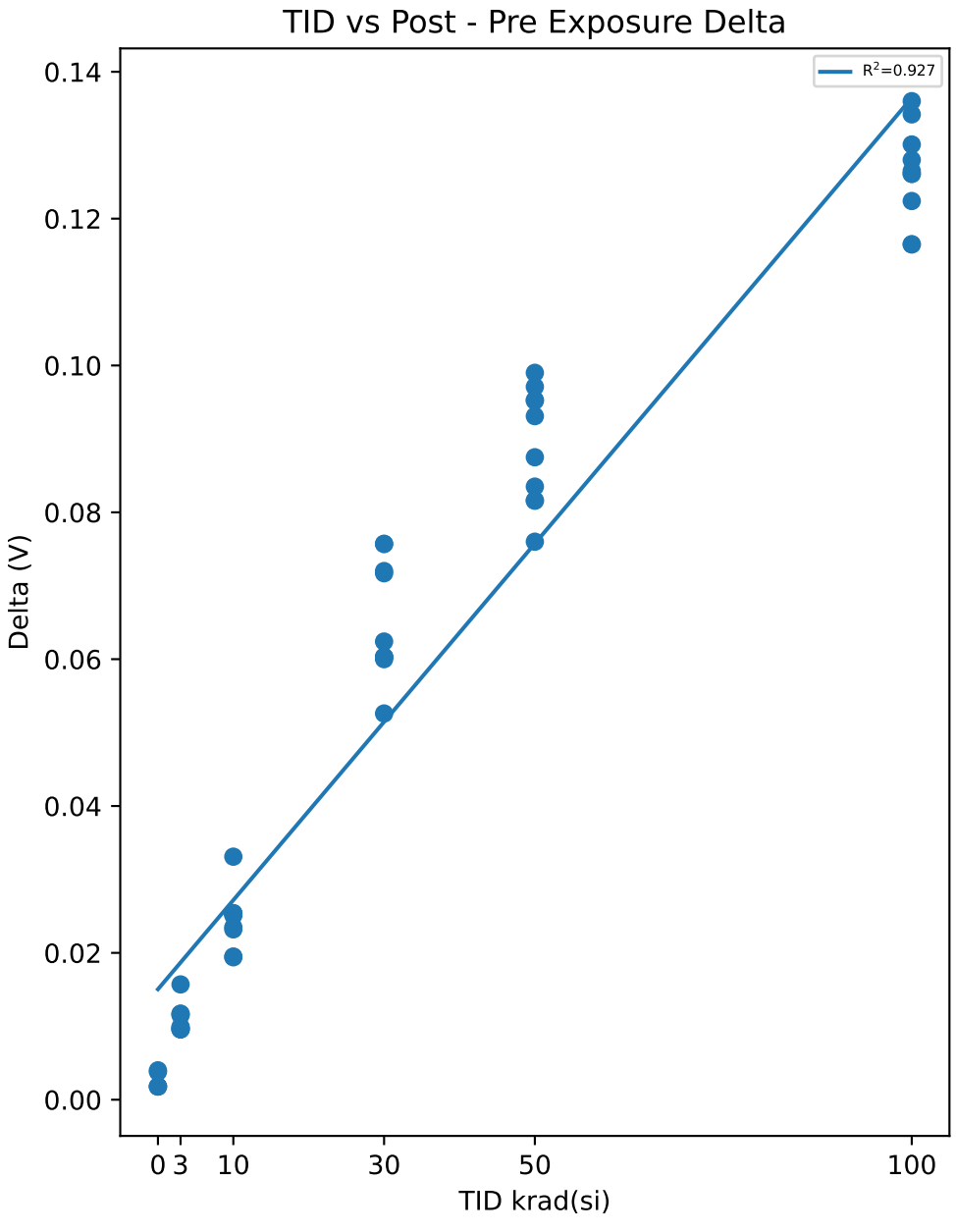
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.1745	1.1782	0.0037
2	3	Biased	1.1567	1.161	0.0043
3	3	Biased	1.1586	1.1622	0.0036
4	3	Biased	1.1698	1.176	0.0062
5	3	Biased	1.1567	1.1622	0.0055
6	3	Unbiased	1.1683	1.1719	0.0036
7	3	Unbiased	1.1761	1.18	0.0039
8	3	Unbiased	1.1667	1.1722	0.0055
9	3	Unbiased	1.1761	1.18	0.0039
10	3	Unbiased	1.1779	1.1819	0.004
11	10	Biased	1.1723	1.1953	0.023
12	10	Biased	1.1798	1.2031	0.0233
13	10	Biased	1.1683	1.1935	0.0252
14	10	Biased	1.1758	1.2053	0.0295
15	10	Biased	1.1742	1.1972	0.023
16	10	Unbiased	1.1758	1.2013	0.0255
17	10	Unbiased	1.1761	1.1994	0.0233
18	10	Unbiased	1.1626	1.1872	0.0246
19	10	Unbiased	1.1701	1.1978	0.0277
20	10	Unbiased	1.1739	1.1994	0.0255
21	30	Biased	1.1701	1.2478	0.0777
22	30	Biased	1.1701	1.2537	0.0836
23	30	Biased	1.1801	1.2653	0.0852
24	30	Biased	1.1683	1.2594	0.0911
25	30	Biased	1.1548	1.2266	0.0718
26	30	Unbiased	1.1583	1.2381	0.0798
27	30	Unbiased	1.1814	1.2628	0.0814
28	30	Unbiased	1.1758	1.2694	0.0936
29	30	Unbiased	1.162	1.2478	0.0858
30	30	Unbiased	1.1605	1.2422	0.0817
31	50	Biased	1.1686	1.2984	0.1298
32	50	Biased	1.1839	1.3312	0.1473
33	50	Biased	1.1664	1.3009	0.1345
34	50	Biased	1.1645	1.3118	0.1473
35	50	Biased	1.1723	1.3006	0.1283
36	50	Unbiased	1.1645	1.2946	0.1301
37	50	Unbiased	1.1623	1.2847	0.1224
38	50	Unbiased	1.172	1.2909	0.1189
39	50	Unbiased	1.1645	1.2965	0.132
40	50	Unbiased	1.1701	1.3025	0.1324
41	100	Biased	1.172	1.4089	0.2369
42	100	Biased	1.1698	1.384	0.2142
43	100	Biased	1.1698	1.3818	0.212
44	100	Biased	1.1723	1.3777	0.2054
45	100	Biased	1.1814	1.4127	0.2313
46	100	Unbiased	1.1739	1.3527	0.1788
47	100	Unbiased	1.1567	1.3487	0.192
48	100	Unbiased	1.172	1.3918	0.2198
49	100	Unbiased	1.1667	1.3415	0.1748
50	100	Unbiased	1.1605	1.3546	0.1941
51	0	Correlation	1.1817	1.1822	0.0005
53	0	Correlation	1.1645	1.1625	-0.002
54	0	Correlation	1.1664	1.1663	-0.0001
55	0	Correlation	1.1645	1.1644	-0.0001
56	0	Correlation	1.1605	1.1588	-0.0017

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.1605	1.1675	1.1817	0.0082135	1.1588	1.1668	1.1822	0.0090229	-0.002	-0.00068	0.0005	0.0011009
3	1.1567	1.1681	1.1779	0.0083002	1.161	1.1726	1.1819	0.0080997	0.0036	0.00442	0.0062	0.00094845
10	1.1626	1.1729	1.1798	0.0048627	1.1872	1.198	1.2053	0.0051526	0.023	0.02506	0.0295	0.0021598
30	1.1548	1.1681	1.1814	0.0091658	1.2266	1.2513	1.2694	0.013412	0.0718	0.08317	0.0936	0.0063135
50	1.1623	1.1689	1.1839	0.0062857	1.2847	1.3012	1.3312	0.012764	0.1189	0.1323	0.1473	0.0091869
100	1.1567	1.1695	1.1814	0.0069456	1.3415	1.3754	1.4127	0.025194	0.1748	0.20593	0.2369	0.020923

Device Test: 6.45; VIN_VALID





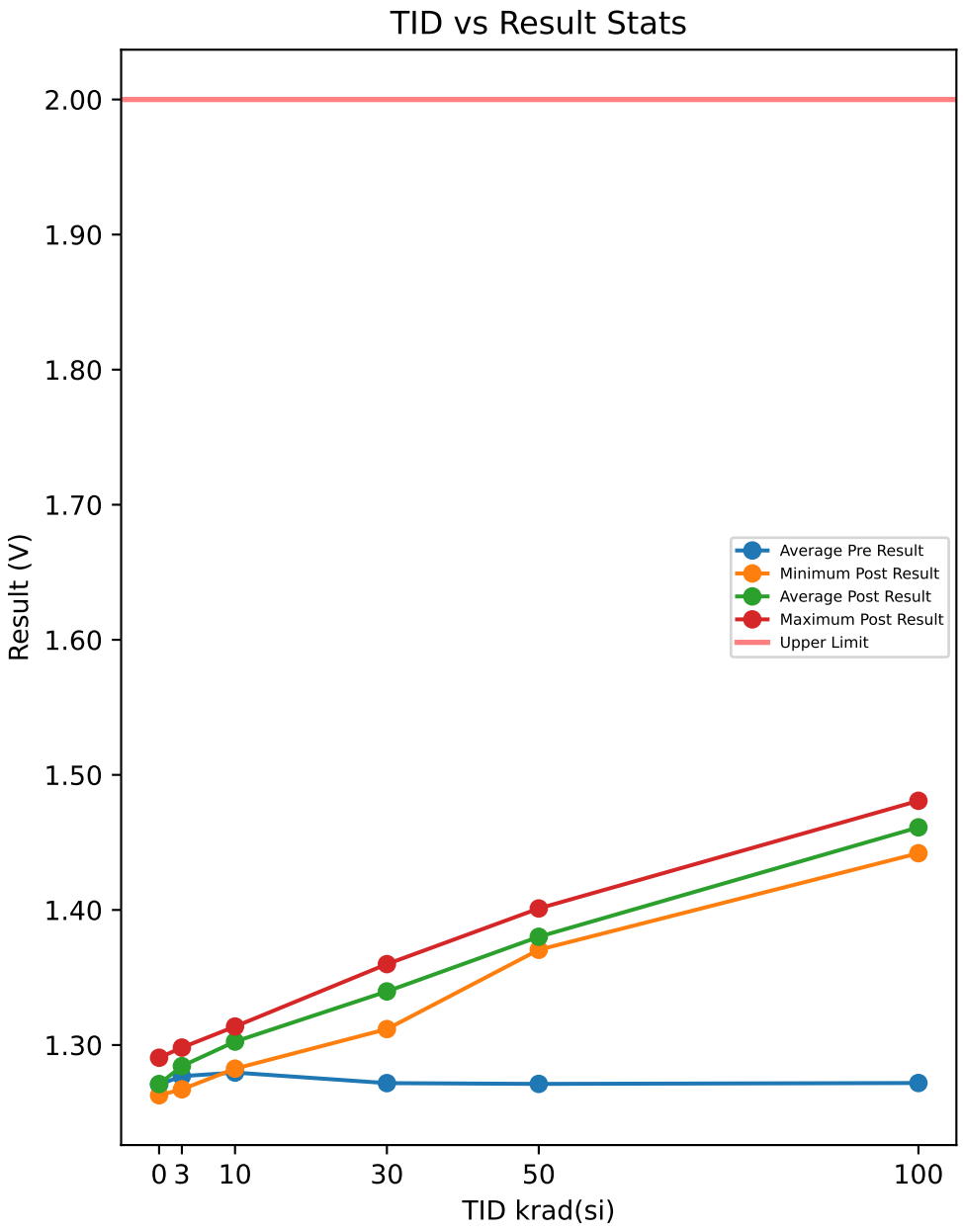
Test Results (Upper Limit = 2.0 (V))

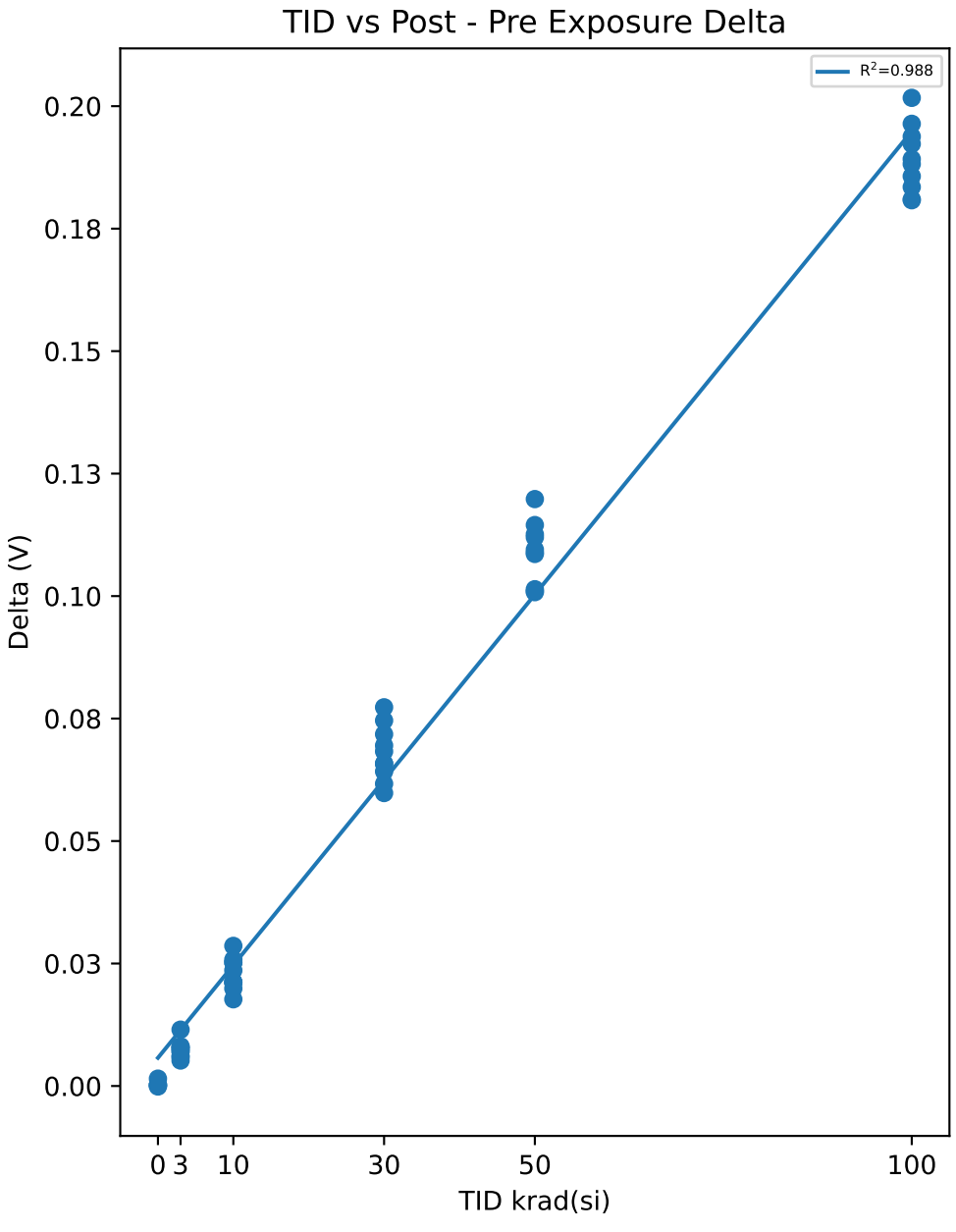
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.3867	1.3966	0.0099
2	3	Biased	1.348	1.3595	0.0115
3	3	Biased	1.3517	1.3616	0.0099
4	3	Biased	1.3731	1.3848	0.0117
5	3	Biased	1.3499	1.3616	0.0117
6	3	Unbiased	1.3675	1.3771	0.0096
7	3	Unbiased	1.3811	1.3907	0.0096
8	3	Unbiased	1.3595	1.3752	0.0157
9	3	Unbiased	1.3752	1.3848	0.0096
10	3	Unbiased	1.383	1.3926	0.0096
11	10	Biased	1.3712	1.3947	0.0235
12	10	Biased	1.3712	1.3907	0.0195
13	10	Biased	1.3616	1.3867	0.0251
14	10	Biased	1.3771	1.4024	0.0253
15	10	Biased	1.379	1.3984	0.0194
16	10	Unbiased	1.3731	1.3984	0.0253
17	10	Unbiased	1.3712	1.3966	0.0254
18	10	Unbiased	1.344	1.3694	0.0254
19	10	Unbiased	1.3635	1.3966	0.0331
20	10	Unbiased	1.3635	1.3867	0.0232
21	30	Biased	1.3635	1.4238	0.0603
22	30	Biased	1.3675	1.4275	0.06
23	30	Biased	1.3712	1.4238	0.0526
24	30	Biased	1.3595	1.4219	0.0624
25	30	Biased	1.3381	1.3984	0.0603
26	30	Unbiased	1.3403	1.412	0.0717
27	30	Unbiased	1.383	1.4433	0.0603
28	30	Unbiased	1.3694	1.4451	0.0757
29	30	Unbiased	1.3558	1.4315	0.0757
30	30	Unbiased	1.3499	1.4219	0.072
31	50	Biased	1.3595	1.4355	0.076
32	50	Biased	1.383	1.4646	0.0816
33	50	Biased	1.3576	1.4411	0.0835
34	50	Biased	1.3539	1.451	0.0971
35	50	Biased	1.3576	1.4392	0.0816
36	50	Unbiased	1.348	1.447	0.099
37	50	Unbiased	1.348	1.4433	0.0953
38	50	Unbiased	1.3712	1.4587	0.0875
39	50	Unbiased	1.348	1.4411	0.0931
40	50	Unbiased	1.3595	1.4547	0.0952
41	100	Biased	1.3635	1.4977	0.1342
42	100	Biased	1.3595	1.476	0.1165
43	100	Biased	1.3499	1.4664	0.1165
44	100	Biased	1.3635	1.4896	0.1261
45	100	Biased	1.3771	1.4995	0.1224
46	100	Unbiased	1.3576	1.4841	0.1265
47	100	Unbiased	1.3363	1.4664	0.1301
48	100	Unbiased	1.3576	1.4936	0.136
49	100	Unbiased	1.3539	1.4819	0.128
50	100	Unbiased	1.3499	1.476	0.1261
51	0	Correlation	1.3752	1.379	0.0038
53	0	Correlation	1.3499	1.3517	0.0018
54	0	Correlation	1.3576	1.3616	0.004
55	0	Correlation	1.3499	1.3517	0.0018
56	0	Correlation	1.3499	1.3517	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	1.3499	1.3565	1.3752	0.010972	1.3517	1.3591	1.379	0.011901	0.0018	0.00264	0.004	0.0011524
3	1.348	1.3676	1.3867	0.014484	1.3595	1.3784	1.3966	0.013742	0.0096	0.01088	0.0157	0.0019275
10	1.344	1.3675	1.379	0.010088	1.3694	1.3921	1.4024	0.0094768	0.0194	0.02452	0.0331	0.003814
30	1.3381	1.3598	1.383	0.014137	1.3984	1.4249	1.4451	0.013687	0.0526	0.0651	0.0757	0.00799
50	1.348	1.3586	1.383	0.01114	1.4355	1.4476	1.4646	0.0093956	0.076	0.08899	0.099	0.0079692
100	1.3363	1.3569	1.3771	0.01072	1.4664	1.4831	1.4995	0.011998	0.1165	0.12624	0.136	0.0065081

Device Test: 6.46; VIN_VALID





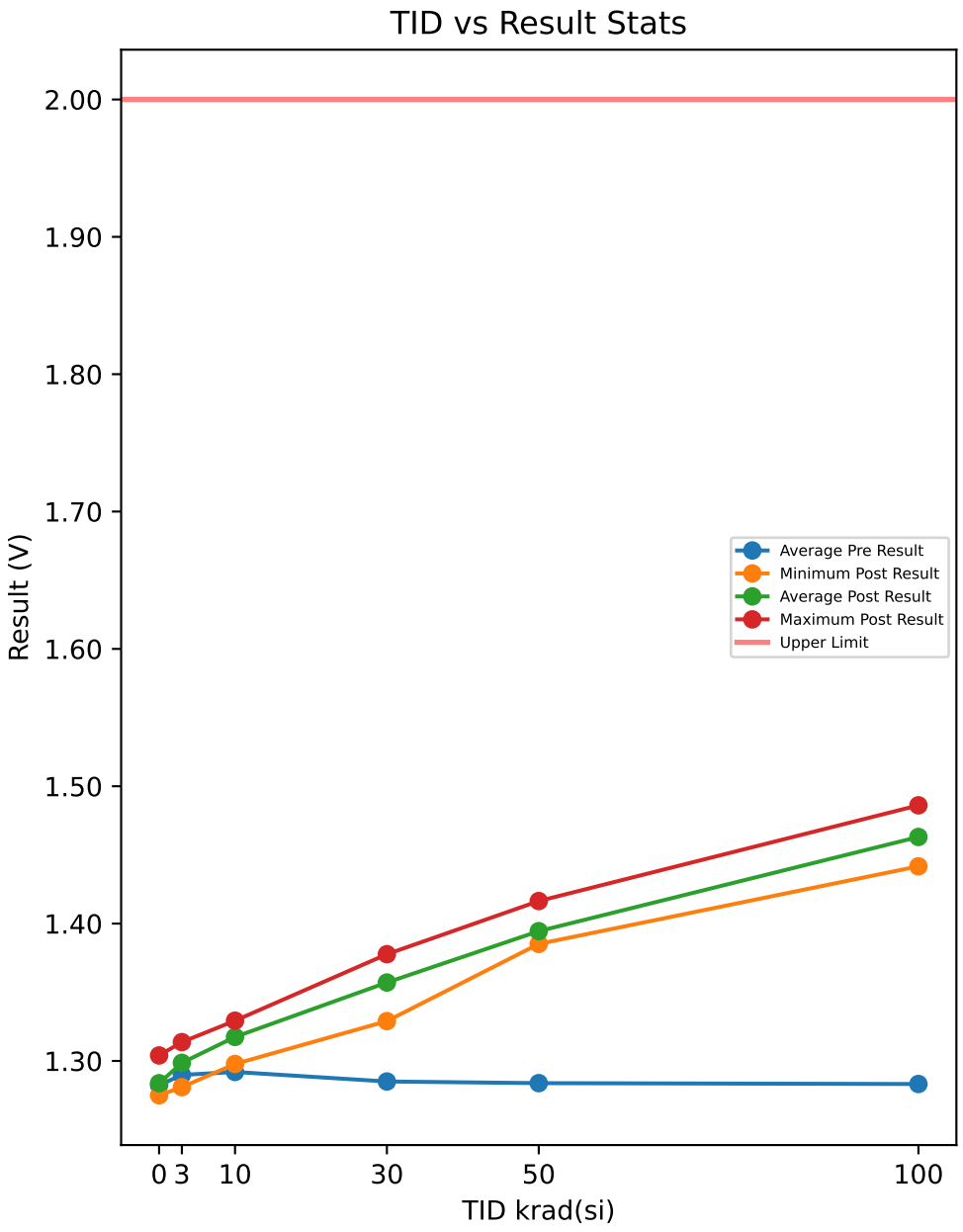
Test Results (Upper Limit = 2.0 (V))

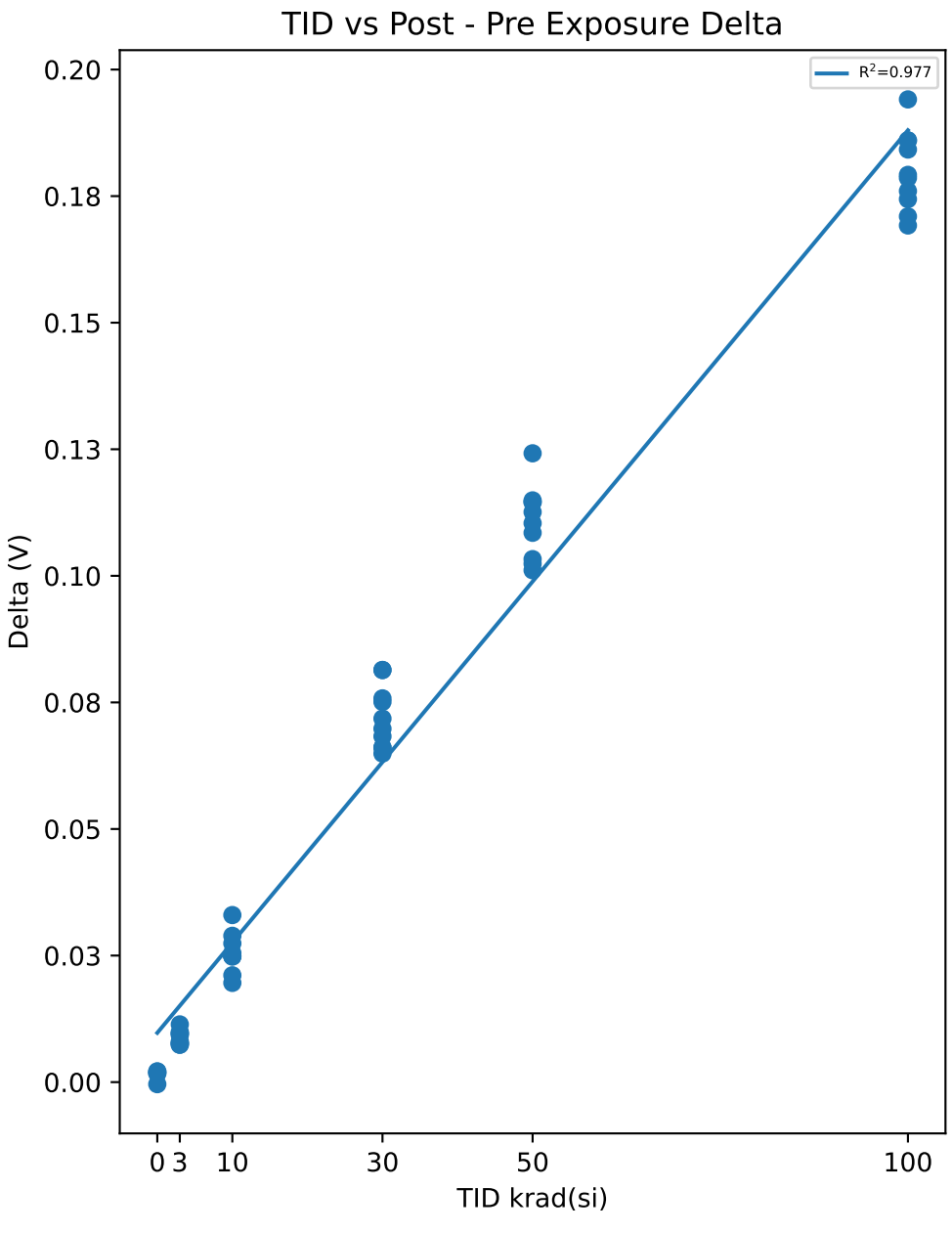
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.2922	1.2981	0.0059
2	3	Biased	1.2595	1.2672	0.0077
3	3	Biased	1.2641	1.2712	0.0071
4	3	Biased	1.2804	1.2884	0.008
5	3	Biased	1.2641	1.2712	0.0071
6	3	Unbiased	1.2748	1.2825	0.0077
7	3	Unbiased	1.2882	1.2943	0.0061
8	3	Unbiased	1.2691	1.2806	0.0115
9	3	Unbiased	1.2844	1.2925	0.0081
10	3	Unbiased	1.2926	1.2978	0.0052
11	10	Biased	1.281	1.3021	0.0211
12	10	Biased	1.2844	1.3043	0.0199
13	10	Biased	1.2707	1.2965	0.0258
14	10	Biased	1.2885	1.3137	0.0252
15	10	Biased	1.2904	1.3081	0.0177
16	10	Unbiased	1.2826	1.3062	0.0236
17	10	Unbiased	1.2829	1.3081	0.0252
18	10	Unbiased	1.2613	1.2825	0.0212
19	10	Unbiased	1.2754	1.304	0.0286
20	10	Unbiased	1.2788	1.3	0.0212
21	30	Biased	1.2751	1.3349	0.0598
22	30	Biased	1.2766	1.3424	0.0658
23	30	Biased	1.2848	1.349	0.0642
24	30	Biased	1.271	1.3393	0.0683
25	30	Biased	1.2501	1.3118	0.0617
26	30	Unbiased	1.2576	1.3271	0.0695
27	30	Unbiased	1.2926	1.3584	0.0658
28	30	Unbiased	1.2826	1.3599	0.0773
29	30	Unbiased	1.2663	1.3409	0.0746
30	30	Unbiased	1.2613	1.3331	0.0718
31	50	Biased	1.271	1.3718	0.1008
32	50	Biased	1.2922	1.4011	0.1089
33	50	Biased	1.271	1.3796	0.1086
34	50	Biased	1.266	1.3858	0.1198
35	50	Biased	1.2748	1.3758	0.101
36	50	Unbiased	1.2638	1.3758	0.112
37	50	Unbiased	1.261	1.3705	0.1095
38	50	Unbiased	1.2804	1.3818	0.1014
39	50	Unbiased	1.2613	1.3758	0.1145
40	50	Unbiased	1.2707	1.3833	0.1126
41	100	Biased	1.2791	1.4808	0.2017
42	100	Biased	1.2732	1.4589	0.1857
43	100	Biased	1.266	1.4552	0.1892
44	100	Biased	1.2766	1.473	0.1964
45	100	Biased	1.2885	1.4808	0.1923
46	100	Unbiased	1.2748	1.4558	0.181
47	100	Unbiased	1.2538	1.442	0.1882
48	100	Unbiased	1.2732	1.467	0.1938
49	100	Unbiased	1.2691	1.4499	0.1808
50	100	Unbiased	1.2645	1.448	0.1835
51	0	Correlation	1.2904	1.2906	0.0002
53	0	Correlation	1.2641	1.264	-0.0001
54	0	Correlation	1.2707	1.2709	0.0002
55	0	Correlation	1.267	1.2672	0.0002
56	0	Correlation	1.2613	1.2628	0.0015

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	1.2613	1.2707	1.2904	0.011551	1.2628	1.2711	1.2906	0.011345	-0.0001	0.0004	0.0015	0.00062849
3	1.2595	1.2769	1.2926	0.012349	1.2672	1.2844	1.2981	0.011591	0.0052	0.00744	0.0115	0.0017251
10	1.2613	1.2796	1.2904	0.0086482	1.2825	1.3026	1.3137	0.0084966	0.0177	0.02295	0.0286	0.003283
30	1.2501	1.2718	1.2926	0.01319	1.3118	1.3397	1.3599	0.014364	0.0598	0.06788	0.0773	0.0055551
50	1.261	1.2712	1.2922	0.0095614	1.3705	1.3801	1.4011	0.0088404	0.1008	0.10891	0.1198	0.0063086
100	1.2538	1.2719	1.2885	0.009347	1.442	1.4611	1.4808	0.013671	0.1808	0.18926	0.2017	0.0068505

Device Test: 6.47; VIN_VALID





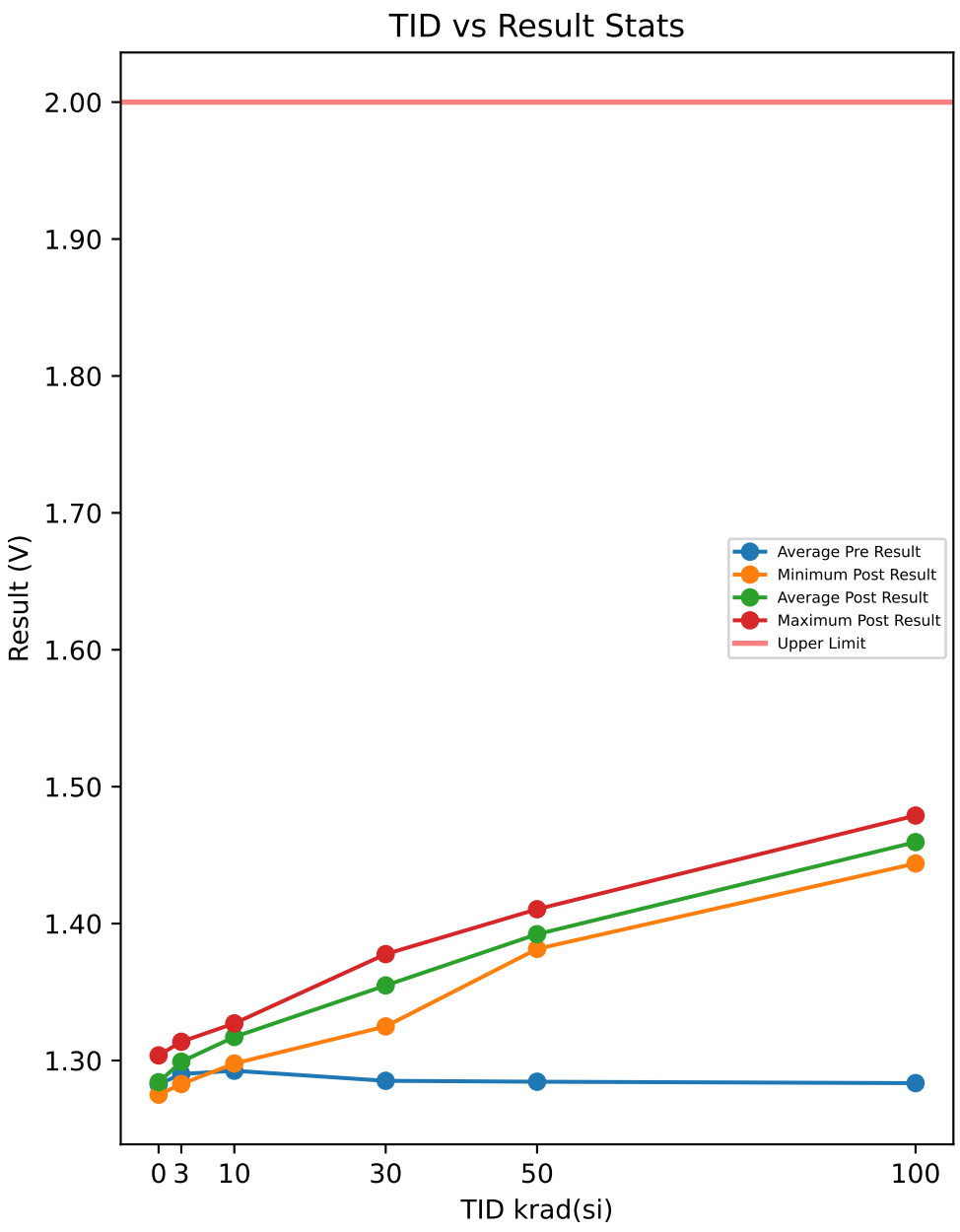
Test Results (Upper Limit = 2.0 (V))

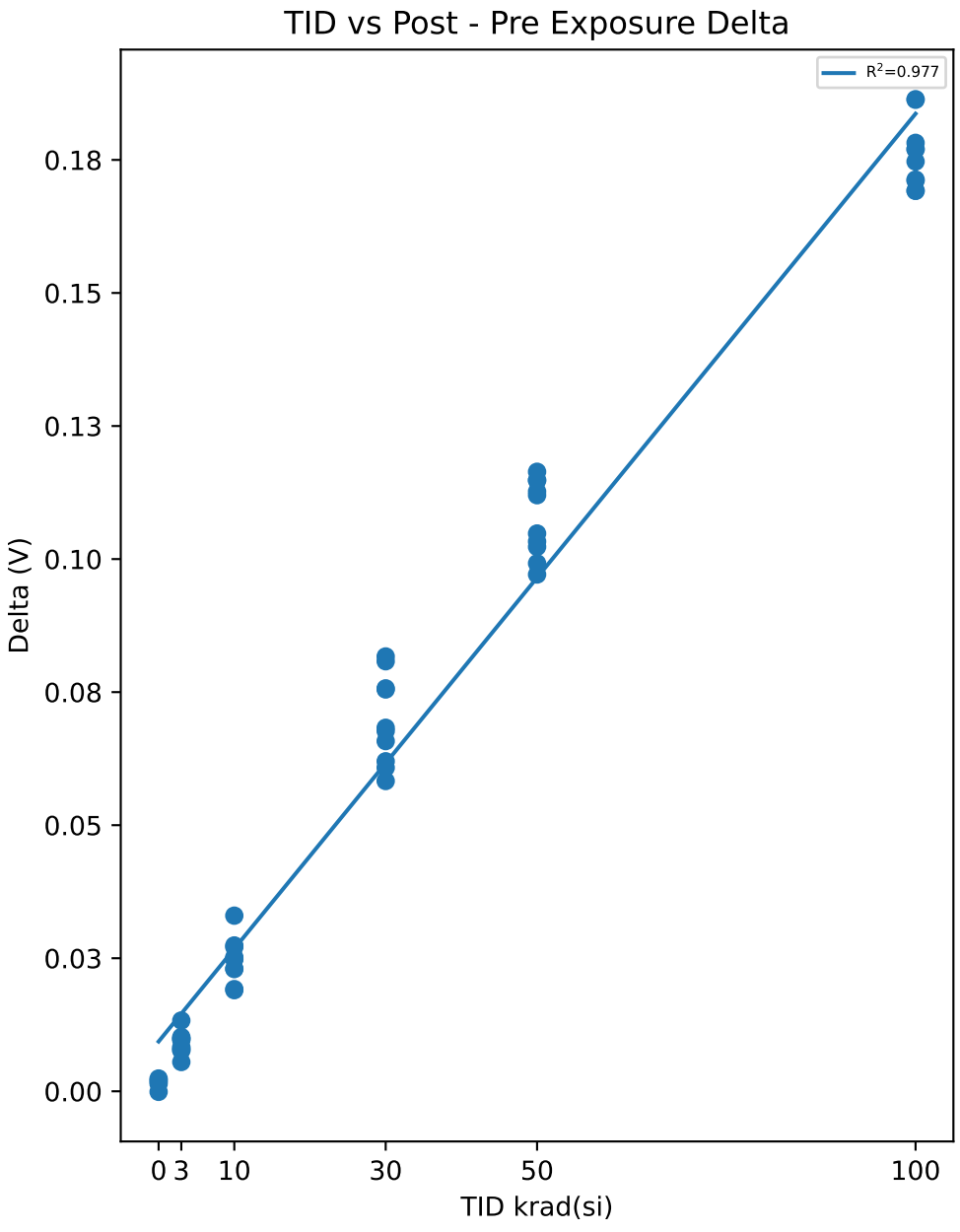
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.306	1.3137	0.0077
2	3	Biased	1.2729	1.2809	0.008
3	3	Biased	1.2769	1.2843	0.0074
4	3	Biased	1.2944	1.3037	0.0093
5	3	Biased	1.2748	1.2847	0.0099
6	3	Unbiased	1.2882	1.2978	0.0096
7	3	Unbiased	1.3022	1.3096	0.0074
8	3	Unbiased	1.2826	1.294	0.0114
9	3	Unbiased	1.2963	1.3059	0.0096
10	3	Unbiased	1.3038	1.3115	0.0077
11	10	Biased	1.2926	1.3174	0.0248
12	10	Biased	1.2963	1.3174	0.0211
13	10	Biased	1.2844	1.3118	0.0274
14	10	Biased	1.3004	1.3293	0.0289
15	10	Biased	1.3019	1.3215	0.0196
16	10	Unbiased	1.2963	1.3212	0.0249
17	10	Unbiased	1.2963	1.3212	0.0249
18	10	Unbiased	1.2729	1.2978	0.0249
19	10	Unbiased	1.2885	1.3215	0.033
20	10	Unbiased	1.2901	1.3156	0.0255
21	30	Biased	1.2882	1.3543	0.0661
22	30	Biased	1.2904	1.3602	0.0698
23	30	Biased	1.2979	1.364	0.0661
24	30	Biased	1.2844	1.3562	0.0718
25	30	Biased	1.2641	1.329	0.0649
26	30	Unbiased	1.2691	1.3449	0.0758
27	30	Unbiased	1.306	1.3743	0.0683
28	30	Unbiased	1.2963	1.3777	0.0814
29	30	Unbiased	1.2788	1.3602	0.0814
30	30	Unbiased	1.2751	1.3502	0.0751
31	50	Biased	1.2844	1.3855	0.1011
32	50	Biased	1.306	1.4164	0.1104
33	50	Biased	1.2826	1.3911	0.1085
34	50	Biased	1.2766	1.4008	0.1242
35	50	Biased	1.2863	1.3896	0.1033
36	50	Unbiased	1.2766	1.3911	0.1145
37	50	Unbiased	1.2726	1.3852	0.1126
38	50	Unbiased	1.2944	1.3968	0.1024
39	50	Unbiased	1.2744	1.3893	0.1149
40	50	Unbiased	1.2844	1.399	0.1146
41	100	Biased	1.2904	1.4845	0.1941
42	100	Biased	1.2844	1.463	0.1786
43	100	Biased	1.2763	1.4555	0.1792
44	100	Biased	1.2885	1.4727	0.1842
45	100	Biased	1.3001	1.4861	0.186
46	100	Unbiased	1.2863	1.4555	0.1692
47	100	Unbiased	1.2657	1.4417	0.176
48	100	Unbiased	1.2848	1.4708	0.186
49	100	Unbiased	1.2804	1.4514	0.171
50	100	Unbiased	1.2751	1.4495	0.1744
51	0	Correlation	1.3019	1.304	0.0021
53	0	Correlation	1.2751	1.2768	0.0017
54	0	Correlation	1.2829	1.2847	0.0018
55	0	Correlation	1.2788	1.2784	-0.0004
56	0	Correlation	1.2729	1.275	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	1.2729	1.2823	1.3019	0.011586	1.275	1.2838	1.304	0.011879	-0.0004	0.00146	0.0021	0.001055
3	1.2729	1.2898	1.306	0.012503	1.2809	1.2986	1.3137	0.012145	0.0074	0.0088	0.0114	0.0013532
10	1.2729	1.292	1.3019	0.0085818	1.2978	1.3175	1.3293	0.0083188	0.0196	0.0255	0.033	0.0037588
30	1.2641	1.285	1.306	0.013337	1.329	1.3571	1.3777	0.01407	0.0649	0.07207	0.0814	0.0061402
50	1.2726	1.2838	1.306	0.010171	1.3852	1.3945	1.4164	0.0093482	0.1011	0.11065	0.1242	0.0071014
100	1.2657	1.2832	1.3001	0.0094661	1.4417	1.4631	1.4861	0.015032	0.1692	0.17987	0.1941	0.0077164

Device Test: 6.48; VIN_VALID





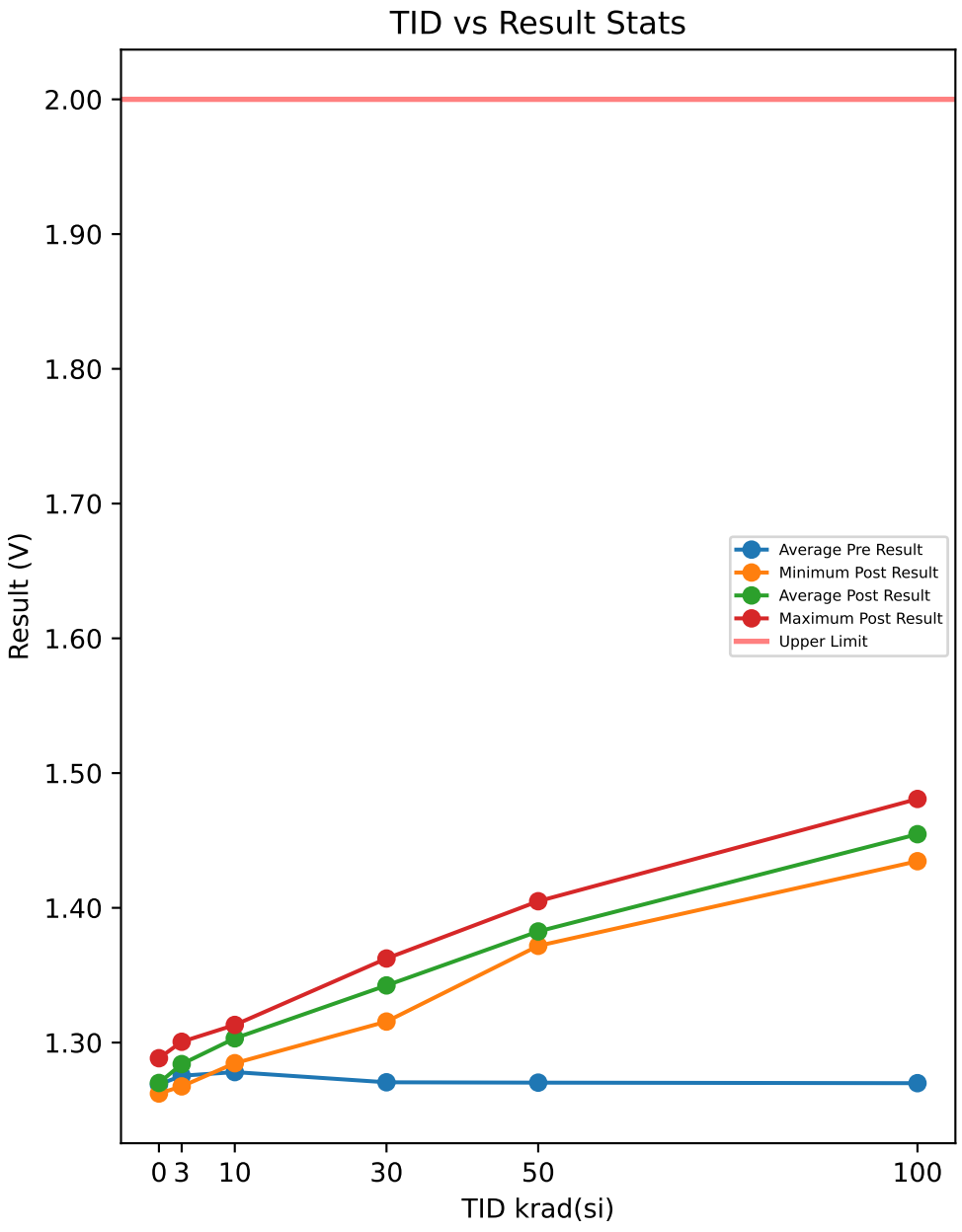
Test Results (Upper Limit = 2.0 (V))

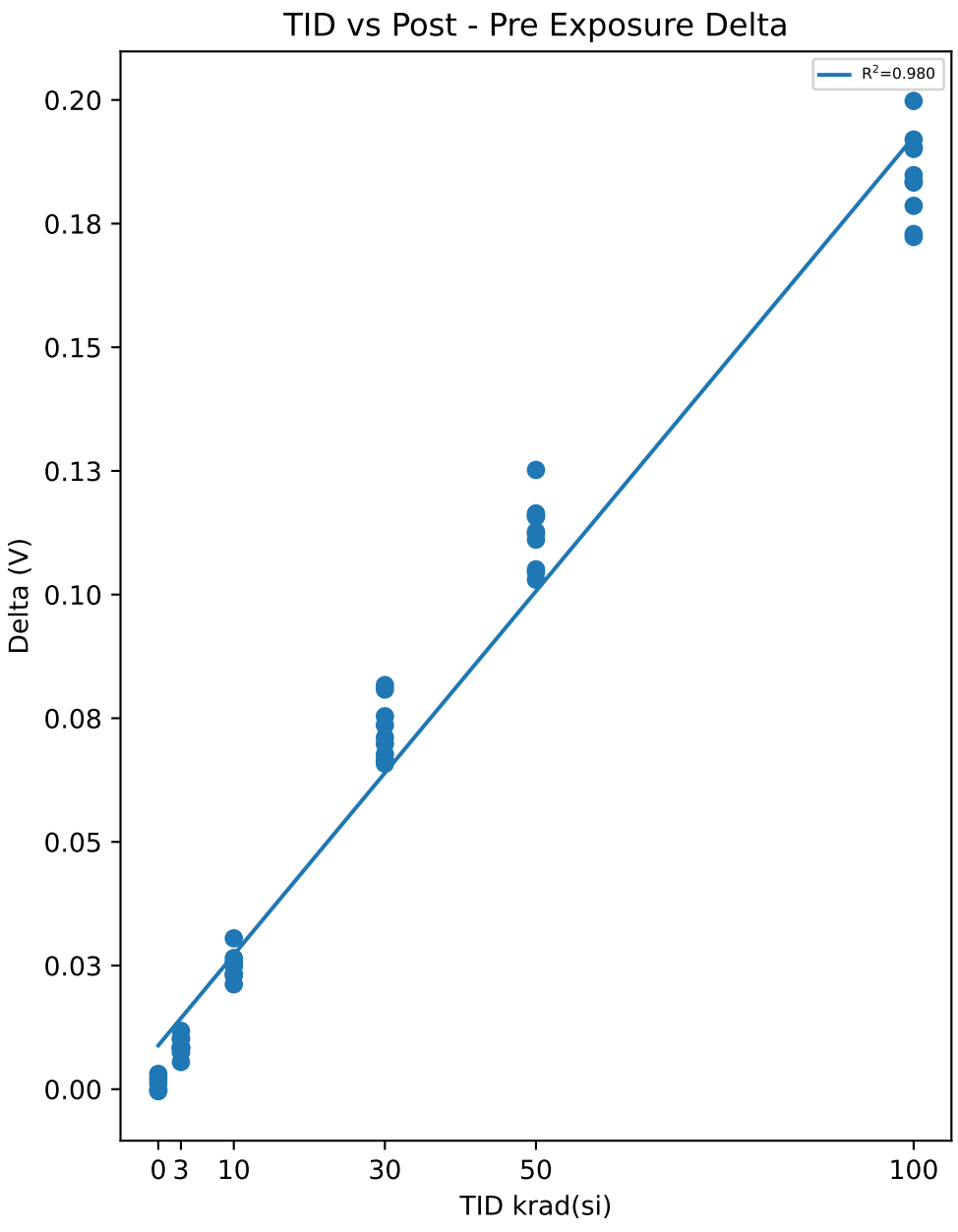
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.306	1.3137	0.0077
2	3	Biased	1.2726	1.2828	0.0102
3	3	Biased	1.2766	1.2847	0.0081
4	3	Biased	1.2941	1.304	0.0099
5	3	Biased	1.2748	1.2847	0.0099
6	3	Unbiased	1.2885	1.2981	0.0096
7	3	Unbiased	1.3019	1.3096	0.0077
8	3	Unbiased	1.2826	1.2959	0.0133
9	3	Unbiased	1.2979	1.3062	0.0083
10	3	Unbiased	1.306	1.3115	0.0055
11	10	Biased	1.2944	1.3174	0.023
12	10	Biased	1.2982	1.3174	0.0192
13	10	Biased	1.2848	1.3096	0.0248
14	10	Biased	1.2997	1.3271	0.0274
15	10	Biased	1.3022	1.3212	0.019
16	10	Unbiased	1.2963	1.3212	0.0249
17	10	Unbiased	1.2963	1.3234	0.0271
18	10	Unbiased	1.2726	1.2978	0.0252
19	10	Unbiased	1.2882	1.3212	0.033
20	10	Unbiased	1.2926	1.3156	0.023
21	30	Biased	1.2904	1.3487	0.0583
22	30	Biased	1.2904	1.3562	0.0658
23	30	Biased	1.2979	1.3599	0.062
24	30	Biased	1.2841	1.3524	0.0683
25	30	Biased	1.2641	1.3249	0.0608
26	30	Unbiased	1.2688	1.3443	0.0755
27	30	Unbiased	1.306	1.3737	0.0677
28	30	Unbiased	1.296	1.3777	0.0817
29	30	Unbiased	1.2791	1.3599	0.0808
30	30	Unbiased	1.2748	1.3505	0.0757
31	50	Biased	1.2844	1.3815	0.0971
32	50	Biased	1.3082	1.4105	0.1023
33	50	Biased	1.2826	1.3874	0.1048
34	50	Biased	1.2785	1.3949	0.1164
35	50	Biased	1.2863	1.3855	0.0992
36	50	Unbiased	1.2763	1.3911	0.1148
37	50	Unbiased	1.2732	1.3852	0.112
38	50	Unbiased	1.2941	1.3974	0.1033
39	50	Unbiased	1.2748	1.3896	0.1148
40	50	Unbiased	1.2866	1.3993	0.1127
41	100	Biased	1.2901	1.4764	0.1863
42	100	Biased	1.2863	1.4555	0.1692
43	100	Biased	1.2766	1.4477	0.1711
44	100	Biased	1.2882	1.4652	0.177
45	100	Biased	1.3019	1.4789	0.177
46	100	Unbiased	1.2863	1.4555	0.1692
47	100	Unbiased	1.2657	1.4439	0.1782
48	100	Unbiased	1.2844	1.4708	0.1864
49	100	Unbiased	1.2804	1.4517	0.1713
50	100	Unbiased	1.2748	1.4495	0.1747
51	0	Correlation	1.3019	1.3037	0.0018
53	0	Correlation	1.2769	1.2768	-0.0001
54	0	Correlation	1.2829	1.2843	0.0014
55	0	Correlation	1.2785	1.2809	0.0024
56	0	Correlation	1.2729	1.275	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	1.2729	1.2826	1.3019	0.011357	1.275	1.2841	1.3037	0.011517	-0.0001	0.00152	0.0024	0.00097826
3	1.2726	1.2901	1.306	0.012923	1.2828	1.2991	1.3137	0.011753	0.0055	0.00902	0.0133	0.0020773
10	1.2726	1.2925	1.3022	0.0087223	1.2978	1.3172	1.3271	0.008308	0.019	0.02466	0.033	0.0040926
30	1.2641	1.2852	1.306	0.013439	1.3249	1.3548	1.3777	0.014912	0.0583	0.06966	0.0817	0.0083431
50	1.2732	1.2845	1.3082	0.010489	1.3815	1.3922	1.4105	0.008557	0.0971	0.10774	0.1164	0.007161
100	1.2657	1.2835	1.3019	0.0098344	1.4439	1.4595	1.4789	0.012461	0.1692	0.17604	0.1864	0.0063364

Device Test: 6.49; VIN_VALID





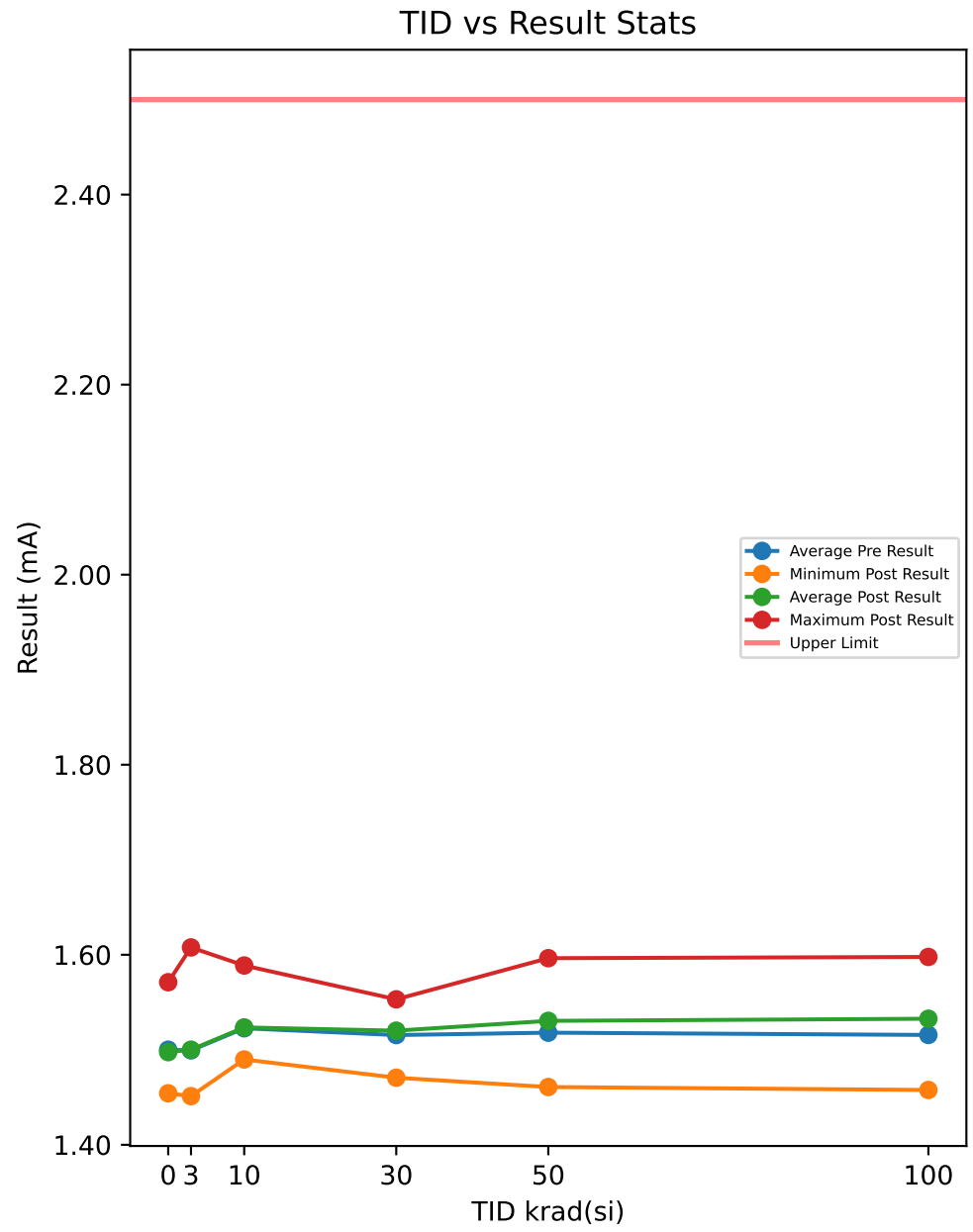
Test Results (Upper Limit = 2.0 (V))

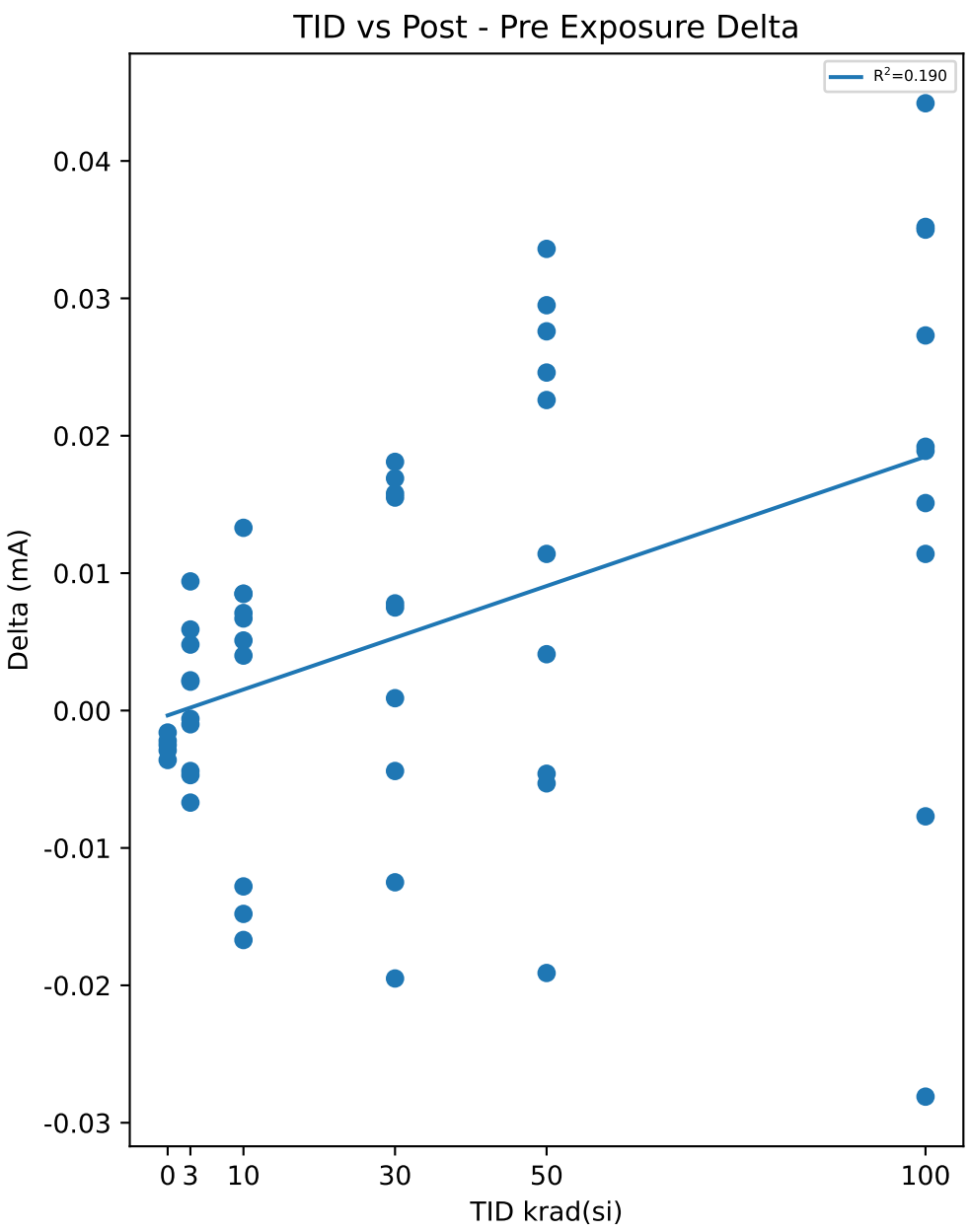
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.2922	1.3006	0.0084
2	3	Biased	1.2591	1.2675	0.0084
3	3	Biased	1.261	1.2694	0.0084
4	3	Biased	1.2785	1.2887	0.0102
5	3	Biased	1.2613	1.2697	0.0084
6	3	Unbiased	1.2726	1.2828	0.0102
7	3	Unbiased	1.2866	1.294	0.0074
8	3	Unbiased	1.2691	1.2809	0.0118
9	3	Unbiased	1.2829	1.2906	0.0077
10	3	Unbiased	1.2907	1.2962	0.0055
11	10	Biased	1.2788	1.3037	0.0249
12	10	Biased	1.2826	1.3059	0.0233
13	10	Biased	1.271	1.2962	0.0252
14	10	Biased	1.2866	1.3131	0.0265
15	10	Biased	1.2869	1.3081	0.0212
16	10	Unbiased	1.2829	1.3081	0.0252
17	10	Unbiased	1.2829	1.3081	0.0252
18	10	Unbiased	1.2591	1.2847	0.0256
19	10	Unbiased	1.2729	1.3034	0.0305
20	10	Unbiased	1.2773	1.3003	0.023
21	30	Biased	1.2729	1.3393	0.0664
22	30	Biased	1.2769	1.3446	0.0677
23	30	Biased	1.2844	1.3509	0.0665
24	30	Biased	1.2713	1.3424	0.0711
25	30	Biased	1.2498	1.3156	0.0658
26	30	Unbiased	1.2554	1.329	0.0736
27	30	Unbiased	1.2904	1.3602	0.0698
28	30	Unbiased	1.2807	1.3624	0.0817
29	30	Unbiased	1.2641	1.3449	0.0808
30	30	Unbiased	1.2595	1.3349	0.0754
31	50	Biased	1.2707	1.3737	0.103
32	50	Biased	1.2922	1.4049	0.1127
33	50	Biased	1.2688	1.3799	0.1111
34	50	Biased	1.2641	1.3893	0.1252
35	50	Biased	1.2729	1.3774	0.1045
36	50	Unbiased	1.2638	1.3796	0.1158
37	50	Unbiased	1.2595	1.3718	0.1123
38	50	Unbiased	1.2785	1.3836	0.1051
39	50	Unbiased	1.2616	1.3774	0.1158
40	50	Unbiased	1.2707	1.3871	0.1164
41	100	Biased	1.2769	1.4767	0.1998
42	100	Biased	1.2707	1.4555	0.1848
43	100	Biased	1.266	1.4495	0.1835
44	100	Biased	1.2732	1.4633	0.1901
45	100	Biased	1.2888	1.4808	0.192
46	100	Unbiased	1.2729	1.4452	0.1723
47	100	Unbiased	1.2513	1.4346	0.1833
48	100	Unbiased	1.2707	1.4611	0.1904
49	100	Unbiased	1.267	1.4399	0.1729
50	100	Unbiased	1.2613	1.4399	0.1786
51	0	Correlation	1.2863	1.2884	0.0021
53	0	Correlation	1.2641	1.2637	-0.0004
54	0	Correlation	1.2691	1.269	-0.0001
55	0	Correlation	1.2657	1.2669	0.0012
56	0	Correlation	1.2591	1.2622	0.0031

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	1.2689	1.2863	0.010394	1.2622	1.27	1.2884	0.010603	-0.0004	0.00118	0.0031	0.0014721
3	1.2591	1.2754	1.2922	0.012592	1.2675	1.284	1.3006	0.011977	0.0055	0.00864	0.0118	0.0017437
10	1.2591	1.2781	1.2869	0.0085349	1.2847	1.3032	1.3131	0.0080088	0.0212	0.02506	0.0305	0.0024559
30	1.2498	1.2705	1.2904	0.013162	1.3156	1.3424	1.3624	0.013999	0.0658	0.07188	0.0817	0.0058661
50	1.2595	1.2703	1.2922	0.0095986	1.3718	1.3825	1.4049	0.0096002	0.103	0.11219	0.1252	0.006736
100	1.2513	1.2699	1.2888	0.0098371	1.4346	1.4546	1.4808	0.015777	0.1723	0.18477	0.1998	0.00867

Device Test: 6.5; IQ





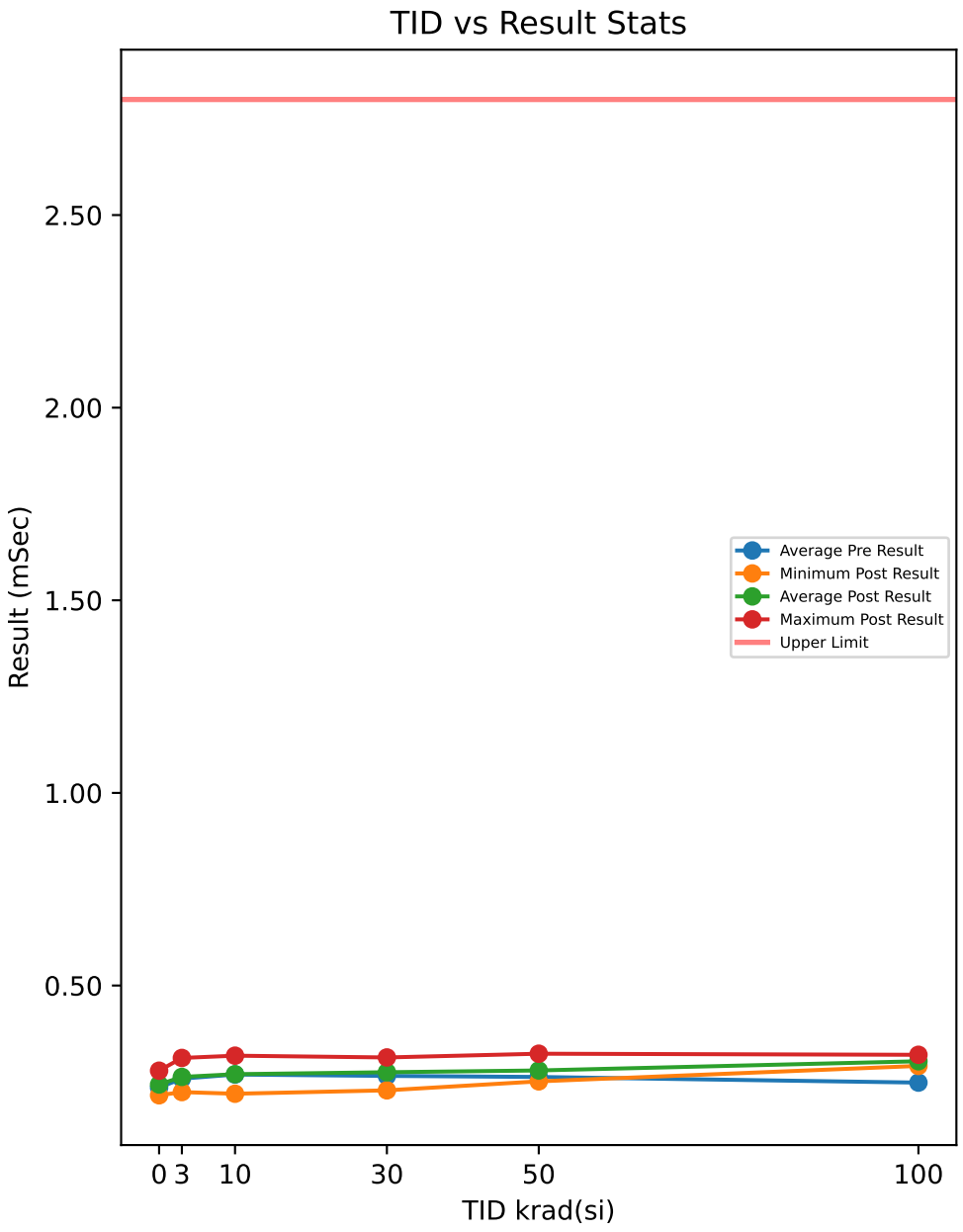
Test Results (Upper Limit = 2.5 (mA))

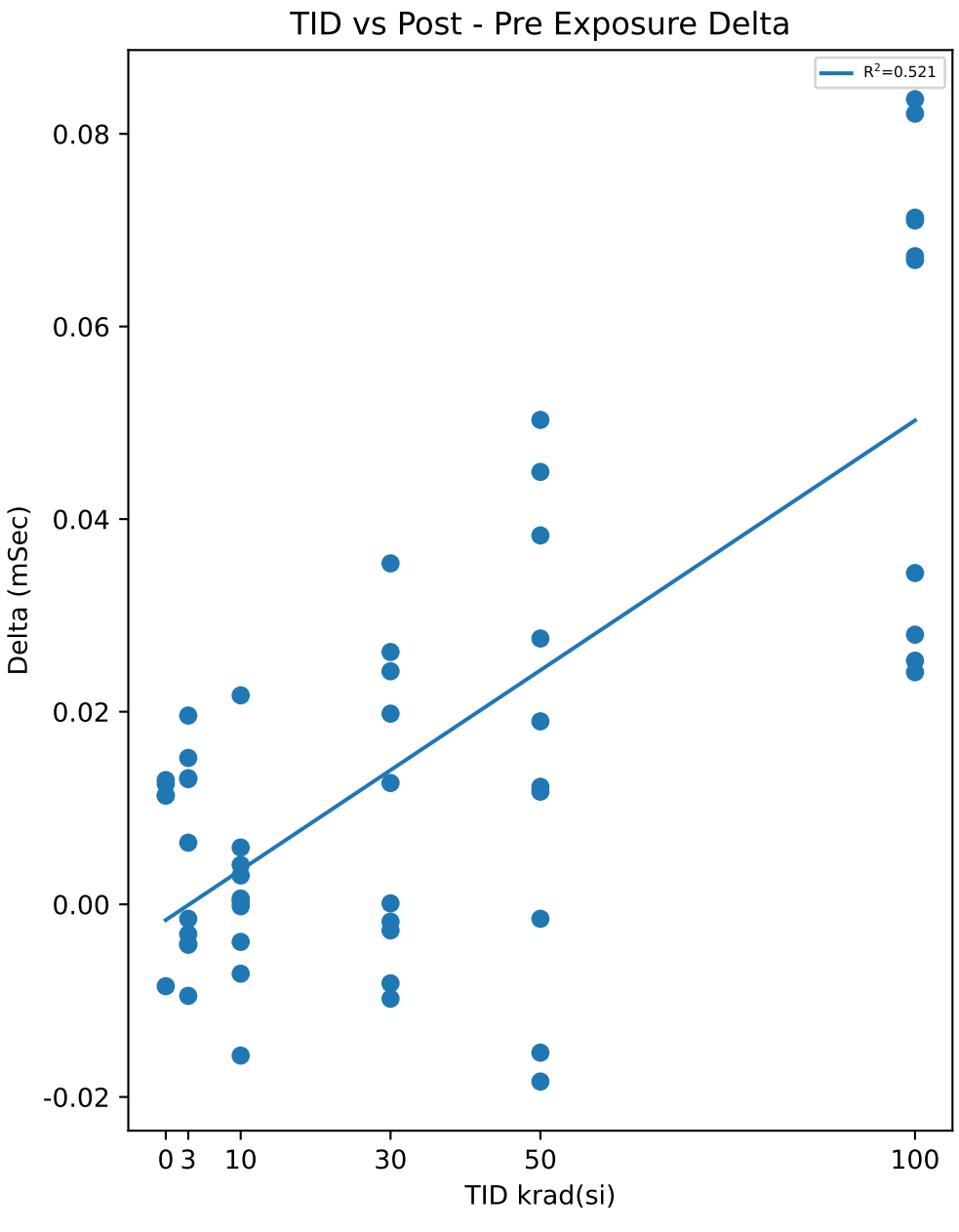
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.5115	1.5071	-0.0044
2	3	Biased	1.4874	1.4968	0.0094
3	3	Biased	1.4815	1.4809	-0.0006
4	3	Biased	1.5178	1.5111	-0.0067
5	3	Biased	1.4747	1.4769	0.0022
6	3	Unbiased	1.4559	1.4512	-0.0047
7	3	Unbiased	1.5002	1.505	0.0048
8	3	Unbiased	1.4585	1.4575	-0.001
9	3	Unbiased	1.6018	1.6077	0.0059
10	3	Unbiased	1.5046	1.5067	0.0021
11	10	Biased	1.507	1.4903	-0.0167
12	10	Biased	1.5233	1.5304	0.0071
13	10	Biased	1.5095	1.5135	0.004
14	10	Biased	1.5492	1.5344	-0.0148
15	10	Biased	1.4879	1.4946	0.0067
16	10	Unbiased	1.5175	1.526	0.0085
17	10	Unbiased	1.5026	1.4898	-0.0128
18	10	Unbiased	1.5836	1.5887	0.0051
19	10	Unbiased	1.5098	1.5183	0.0085
20	10	Unbiased	1.536	1.5493	0.0133
21	30	Biased	1.4551	1.4706	0.0155
22	30	Biased	1.5354	1.5512	0.0158
23	30	Biased	1.5053	1.5222	0.0169
24	30	Biased	1.5055	1.5011	-0.0044
25	30	Biased	1.5422	1.5431	0.0009
26	30	Unbiased	1.5337	1.5415	0.0078
27	30	Unbiased	1.5303	1.5108	-0.0195
28	30	Unbiased	1.5188	1.5369	0.0181
29	30	Unbiased	1.4832	1.4707	-0.0125
30	30	Unbiased	1.5456	1.5531	0.0075
31	50	Biased	1.4858	1.4972	0.0114
32	50	Biased	1.5049	1.5275	0.0226
33	50	Biased	1.5017	1.5312	0.0295
34	50	Biased	1.5572	1.5848	0.0276
35	50	Biased	1.458	1.4916	0.0336
36	50	Unbiased	1.5407	1.5216	-0.0191
37	50	Unbiased	1.4362	1.4608	0.0246
38	50	Unbiased	1.4958	1.4999	0.0041
39	50	Unbiased	1.601	1.5964	-0.0046
40	50	Unbiased	1.5988	1.5935	-0.0053
41	100	Biased	1.4304	1.4577	0.0273
42	100	Biased	1.5212	1.4931	-0.0281
43	100	Biased	1.4744	1.5186	0.0442
44	100	Biased	1.5826	1.5977	0.0151
45	100	Biased	1.4858	1.505	0.0192
46	100	Unbiased	1.5317	1.5431	0.0114
47	100	Unbiased	1.5315	1.5665	0.035
48	100	Unbiased	1.5202	1.5554	0.0352
49	100	Unbiased	1.5967	1.589	-0.0077
50	100	Unbiased	1.4817	1.5006	0.0189
51	0	Correlation	1.4661	1.4625	-0.0036
53	0	Correlation	1.4564	1.4542	-0.0022
54	0	Correlation	1.5056	1.5031	-0.0025
55	0	Correlation	1.5727	1.5711	-0.0016
56	0	Correlation	1.4996	1.4967	-0.0029

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	1.4564	1.5001	1.5727	0.045736	1.4542	1.4975	1.5711	0.04623	-0.0036	-0.00256	-0.0016	0.00075033
3	1.4559	1.4994	1.6018	0.041684	1.4512	1.5001	1.6077	0.043383	-0.0067	0.0007	0.0094	0.0051452
10	1.4879	1.5226	1.5836	0.027523	1.4898	1.5235	1.5887	0.030349	-0.0167	0.00089	0.0133	0.011118
30	1.4551	1.5155	1.5456	0.028813	1.4706	1.5201	1.5531	0.031034	-0.0195	0.00461	0.0181	0.013184
50	1.4362	1.518	1.601	0.055506	1.4608	1.5305	1.5964	0.046863	-0.0191	0.01244	0.0336	0.01792
100	1.4304	1.5156	1.5967	0.050138	1.4577	1.5327	1.5977	0.045154	-0.0281	0.01705	0.0442	0.021573

Device Test: 6.50; START_DLY





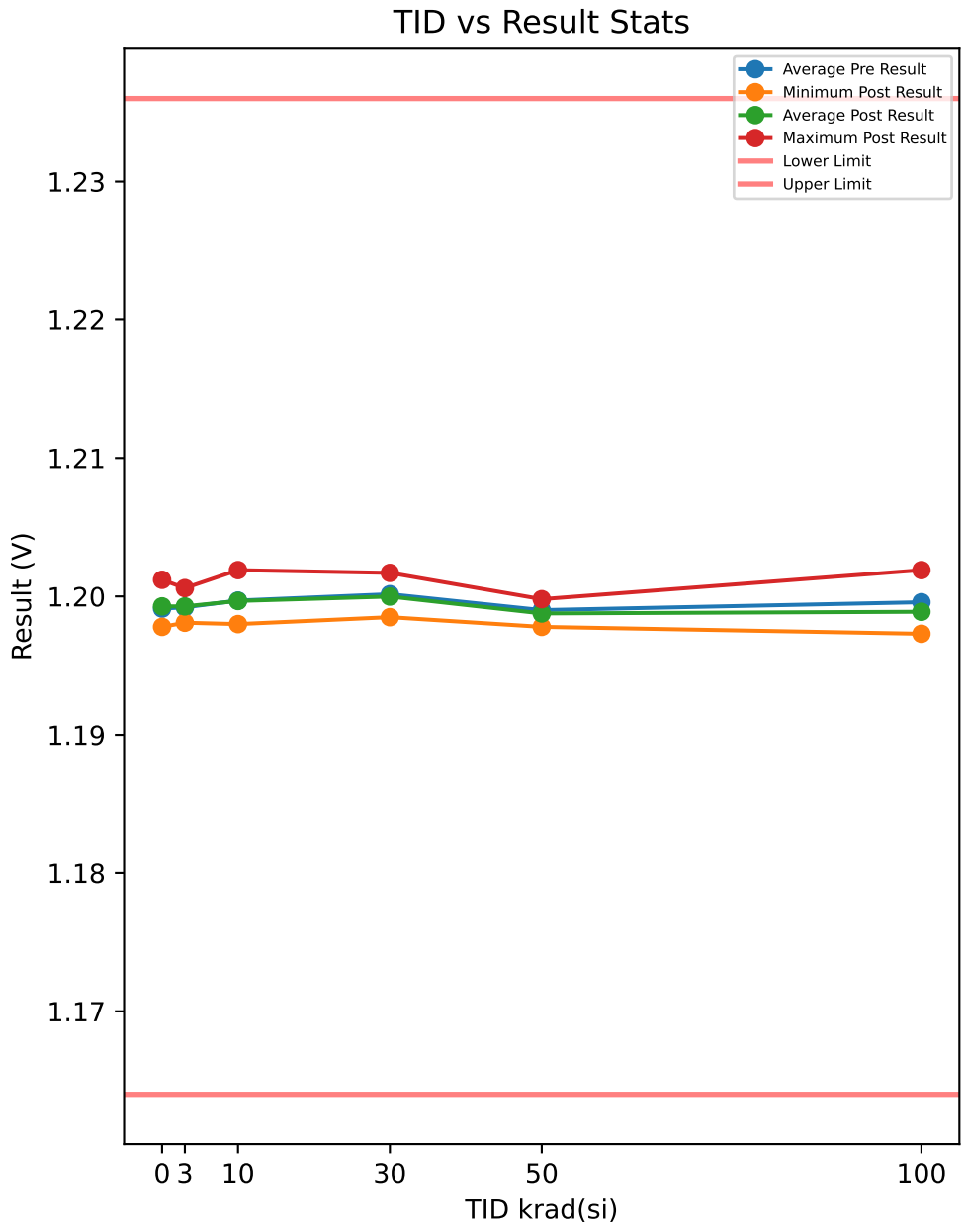
Test Results (Upper Limit = 2.8 (mSec))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.3049	0.3007	-0.0042
2	3	Biased	0.2745	0.2704	-0.0041
3	3	Biased	0.2188	0.2318	0.013
4	3	Biased	0.3135	0.312	-0.0015
5	3	Biased	0.2057	0.2253	0.0196
6	3	Unbiased	0.2647	0.2616	-0.0031
7	3	Unbiased	0.2722	0.2853	0.0131
8	3	Unbiased	0.2788	0.2852	0.0064
9	3	Unbiased	0.2167	0.2319	0.0152
10	3	Unbiased	0.2329	0.2234	-0.0095
11	10	Biased	0.3151	0.3112	-0.0039
12	10	Biased	0.215	0.2191	0.0041
13	10	Biased	0.2279	0.2285	0.0006
14	10	Biased	0.2958	0.2988	0.003
15	10	Biased	0.2185	0.2402	0.0217
16	10	Unbiased	0.2223	0.2221	-0.0002
17	10	Unbiased	0.3056	0.2899	-0.0157
18	10	Unbiased	0.2955	0.2958	0.0003
19	10	Unbiased	0.312	0.3179	0.0059
20	10	Unbiased	0.2817	0.2745	-0.0072
21	30	Biased	0.274	0.2722	-0.0018
22	30	Biased	0.316	0.3133	-0.0027
23	30	Biased	0.2017	0.2279	0.0262
24	30	Biased	0.2983	0.3109	0.0126
25	30	Biased	0.2232	0.2474	0.0242
26	30	Unbiased	0.2181	0.2379	0.0198
27	30	Unbiased	0.2243	0.2597	0.0354
28	30	Unbiased	0.2847	0.2749	-0.0098
29	30	Unbiased	0.3095	0.3096	0.0001
30	30	Unbiased	0.3038	0.2956	-0.0082
31	50	Biased	0.2216	0.2599	0.0383
32	50	Biased	0.2822	0.2807	-0.0015
33	50	Biased	0.2316	0.2592	0.0276
34	50	Biased	0.3	0.3117	0.0117
35	50	Biased	0.2817	0.2633	-0.0184
36	50	Unbiased	0.3102	0.3224	0.0122
37	50	Unbiased	0.304	0.323	0.019
38	50	Unbiased	0.215	0.2653	0.0503
39	50	Unbiased	0.2063	0.2512	0.0449
40	50	Unbiased	0.274	0.2586	-0.0154
41	100	Biased	0.2138	0.2959	0.0821
42	100	Biased	0.2218	0.2928	0.071
43	100	Biased	0.2953	0.3194	0.0241
44	100	Biased	0.2122	0.2958	0.0836
45	100	Biased	0.2949	0.3202	0.0253
46	100	Unbiased	0.2244	0.2913	0.0669
47	100	Unbiased	0.2318	0.3031	0.0713
48	100	Unbiased	0.2789	0.3133	0.0344
49	100	Unbiased	0.2254	0.2927	0.0673
50	100	Unbiased	0.2814	0.3094	0.028
51	0	Correlation	0.2236	0.2151	-0.0085
53	0	Correlation	0.2153	0.2266	0.0113
54	0	Correlation	0.2676	0.2789	0.0113
55	0	Correlation	0.2429	0.2554	0.0125
56	0	Correlation	0.2262	0.2391	0.0129

Test Statistics (mSec)

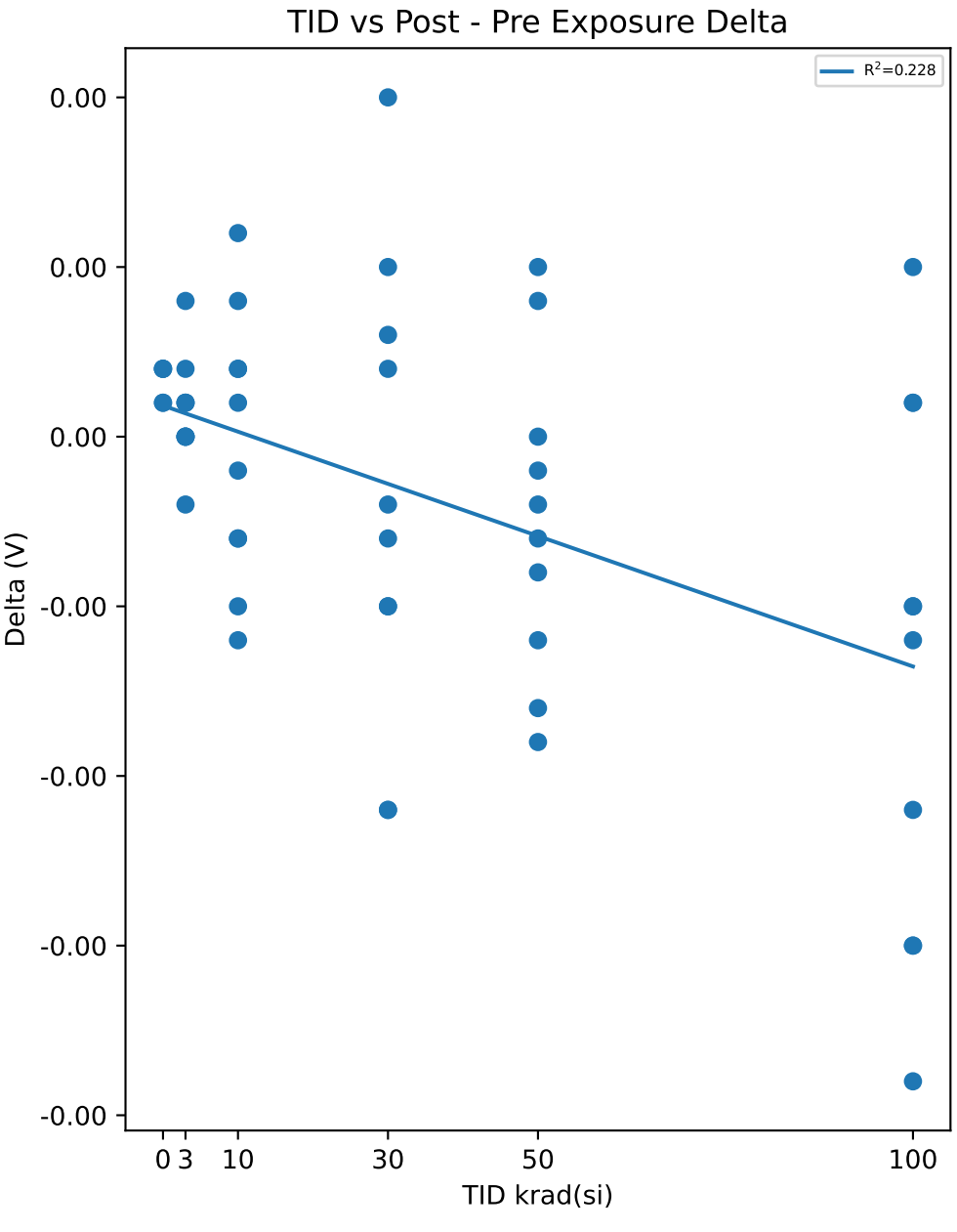
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2153	0.23512	0.2676	0.02074	0.2151	0.24302	0.2789	0.025026	-0.0085	0.0079	0.0129	0.0091957
3	0.2057	0.25827	0.3135	0.037769	0.2234	0.26276	0.312	0.032996	-0.0095	0.00449	0.0196	0.010175
10	0.215	0.26894	0.3151	0.042468	0.2191	0.2698	0.3179	0.038584	-0.0157	0.00086	0.0217	0.0096502
30	0.2017	0.26536	0.316	0.04381	0.2279	0.27494	0.3133	0.03158	-0.0098	0.00958	0.0354	0.016097
50	0.2063	0.26266	0.3102	0.039909	0.2512	0.27953	0.323	0.028419	-0.0184	0.01687	0.0503	0.023929
100	0.2122	0.24799	0.2953	0.034921	0.2913	0.30339	0.3202	0.011351	0.0241	0.0554	0.0836	0.024394

Device Test: 6.51; VHYS



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

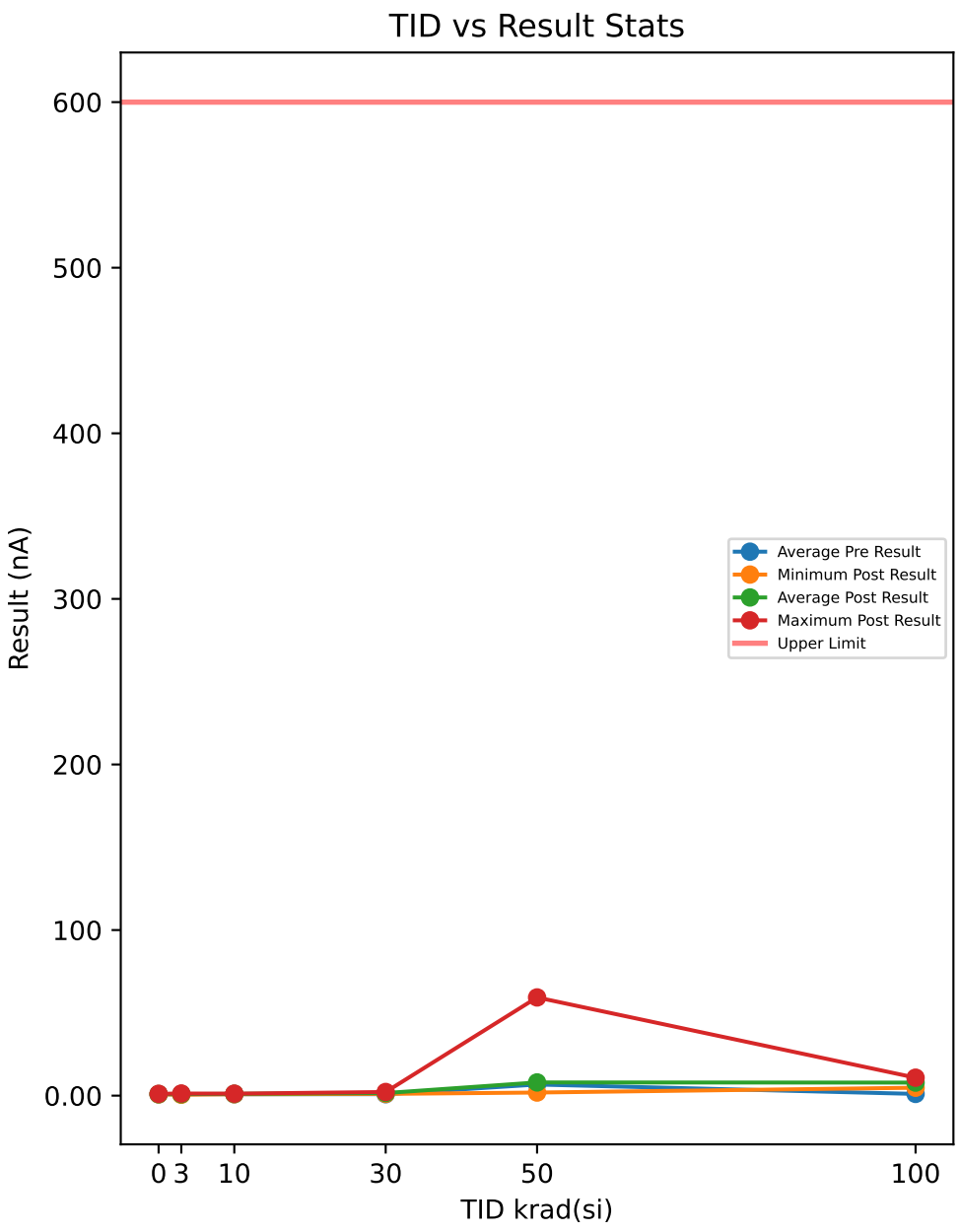
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.1992	1.199	-0.0002
2	3	Biased	1.2005	1.2006	0.0001
3	3	Biased	1.199	1.1992	0.0002
4	3	Biased	1.1981	1.1982	0.0001
5	3	Biased	1.1996	1.1996	0
6	3	Unbiased	1.2	1.2001	0.0001
7	3	Unbiased	1.1993	1.1997	0.0004
8	3	Unbiased	1.1984	1.1984	0
9	3	Unbiased	1.1999	1.1999	0
10	3	Unbiased	1.1981	1.1981	0
11	10	Biased	1.1993	1.1995	0.0002
12	10	Biased	1.2008	1.2005	-0.0003
13	10	Biased	1.2	1.2002	0.0002
14	10	Biased	1.1985	1.198	-0.0005
15	10	Biased	1.1996	1.1993	-0.0003
16	10	Unbiased	1.1984	1.1983	-0.0001
17	10	Unbiased	1.2018	1.2019	0.0001
18	10	Unbiased	1.1997	1.2001	0.0004
19	10	Unbiased	1.1999	1.1993	-0.0006
20	10	Unbiased	1.199	1.1996	0.0006
21	30	Biased	1.2019	1.2016	-0.0003
22	30	Biased	1.2008	1.201	0.0002
23	30	Biased	1.1996	1.2006	0.001
24	30	Biased	1.1991	1.1989	-0.0002
25	30	Biased	1.2015	1.201	-0.0005
26	30	Unbiased	1.1998	1.1987	-0.0011
27	30	Unbiased	1.1996	1.1985	-0.0011
28	30	Unbiased	1.1992	1.1987	-0.0005
29	30	Unbiased	1.2012	1.2017	0.0005
30	30	Unbiased	1.1989	1.1992	0.0003
31	50	Biased	1.1998	1.199	-0.0008
32	50	Biased	1.199	1.1988	-0.0002
33	50	Biased	1.1983	1.198	-0.0003
34	50	Biased	1.2007	1.1998	-0.0009
35	50	Biased	1.1994	1.1993	-0.0001
36	50	Unbiased	1.1986	1.199	0.0004
37	50	Unbiased	1.1982	1.1987	0.0005
38	50	Unbiased	1.1993	1.1993	0
39	50	Unbiased	1.1984	1.1978	-0.0006
40	50	Unbiased	1.1984	1.198	-0.0004
41	100	Biased	1.1997	1.1982	-0.0015
42	100	Biased	1.1999	1.198	-0.0019
43	100	Biased	1.1989	1.1984	-0.0005
44	100	Biased	1.1988	1.1973	-0.0015
45	100	Biased	1.1983	1.1977	-0.0006
46	100	Unbiased	1.1994	1.1989	-0.0005
47	100	Unbiased	1.2003	1.2004	0.0001
48	100	Unbiased	1.2014	1.2019	0.0005
49	100	Unbiased	1.1997	1.1998	0.0001
50	100	Unbiased	1.1994	1.1983	-0.0011
51	0	Correlation	1.201	1.2012	0.0002
53	0	Correlation	1.2005	1.2007	0.0002
54	0	Correlation	1.1983	1.1985	0.0002
55	0	Correlation	1.1977	1.1978	0.0001
56	0	Correlation	1.1981	1.1982	0.0001

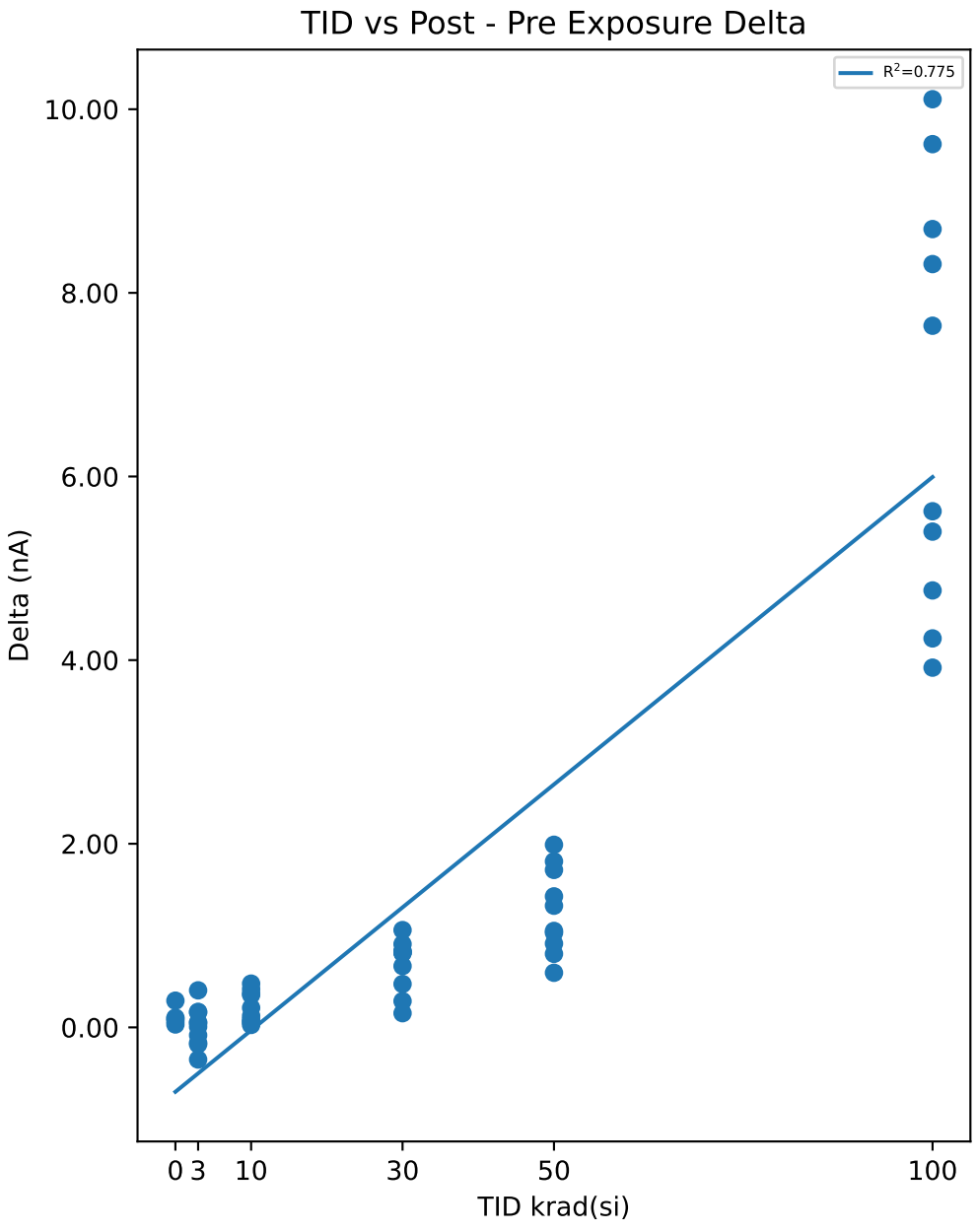


Test Statistics (V)

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	1.1977	1.1991	1.201	0.0015139	1.1978	1.1993	1.2012	0.0015547	0.0001	0.00016	0.0002	5.4772e-05
3	1.1981	1.1992	1.2005	0.00082253	1.1981	1.1993	1.2006	0.00084958	-0.0002	7e-05	0.0004	0.0001567
10	1.1984	1.1997	1.2018	0.0010296	1.198	1.1997	1.2019	0.0011106	-0.0006	-3e-05	0.0006	0.00039455
30	1.1989	1.2002	1.2019	0.0010906	1.1985	1.2	1.2017	0.0013034	-0.0011	-0.00017	0.001	0.00067831
50	1.1982	1.199	1.2007	0.00080201	1.1978	1.1988	1.1998	0.00065498	-0.0009	-0.00024	0.0005	0.00046476
100	1.1983	1.1996	1.2014	0.00086513	1.1973	1.1989	1.2019	0.001413	-0.0019	-0.00069	0.0005	0.00079505

Device Test: 6.56; PWRGD_ILKG_OD





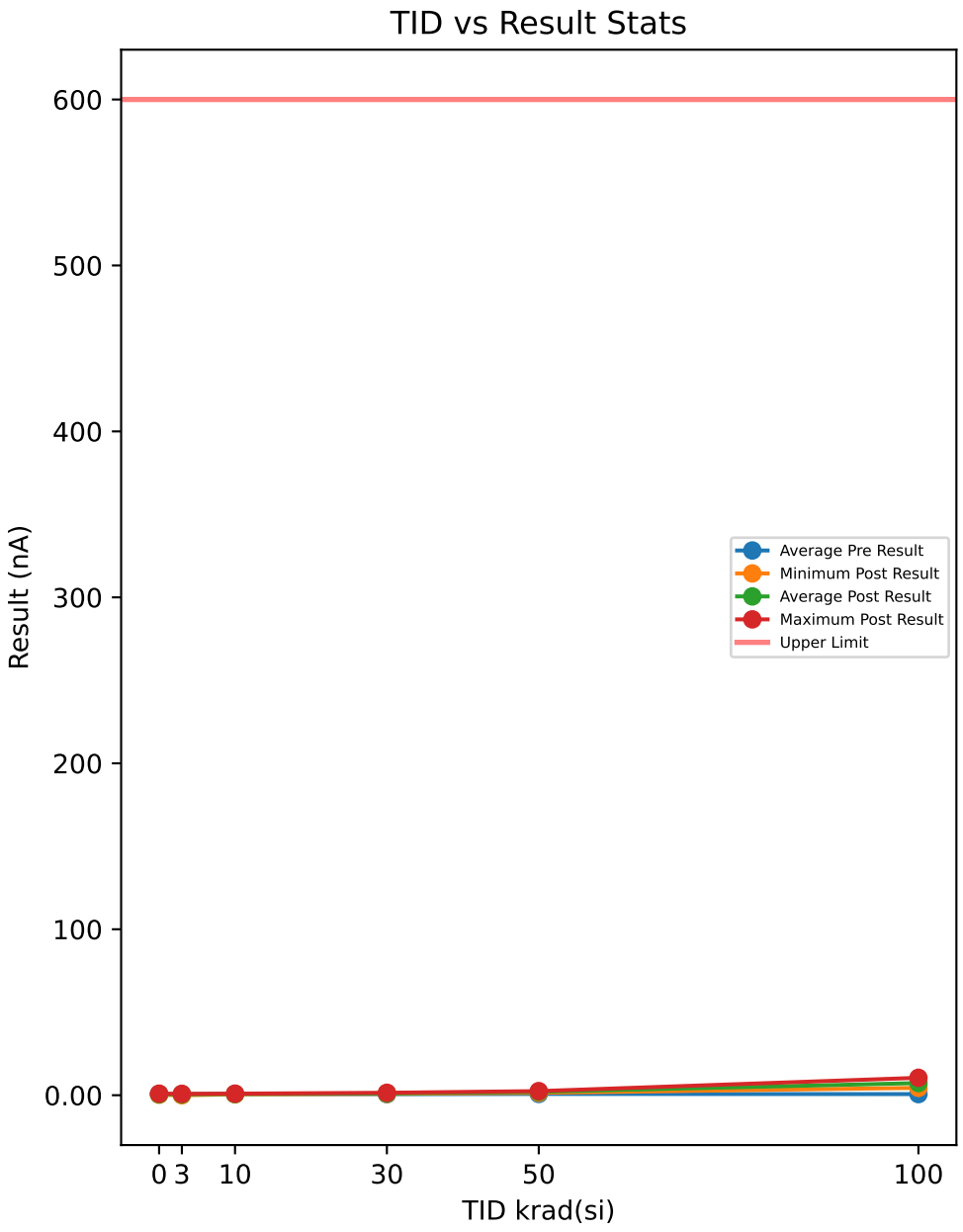
Test Results (Upper Limit = 600.0 (nA))

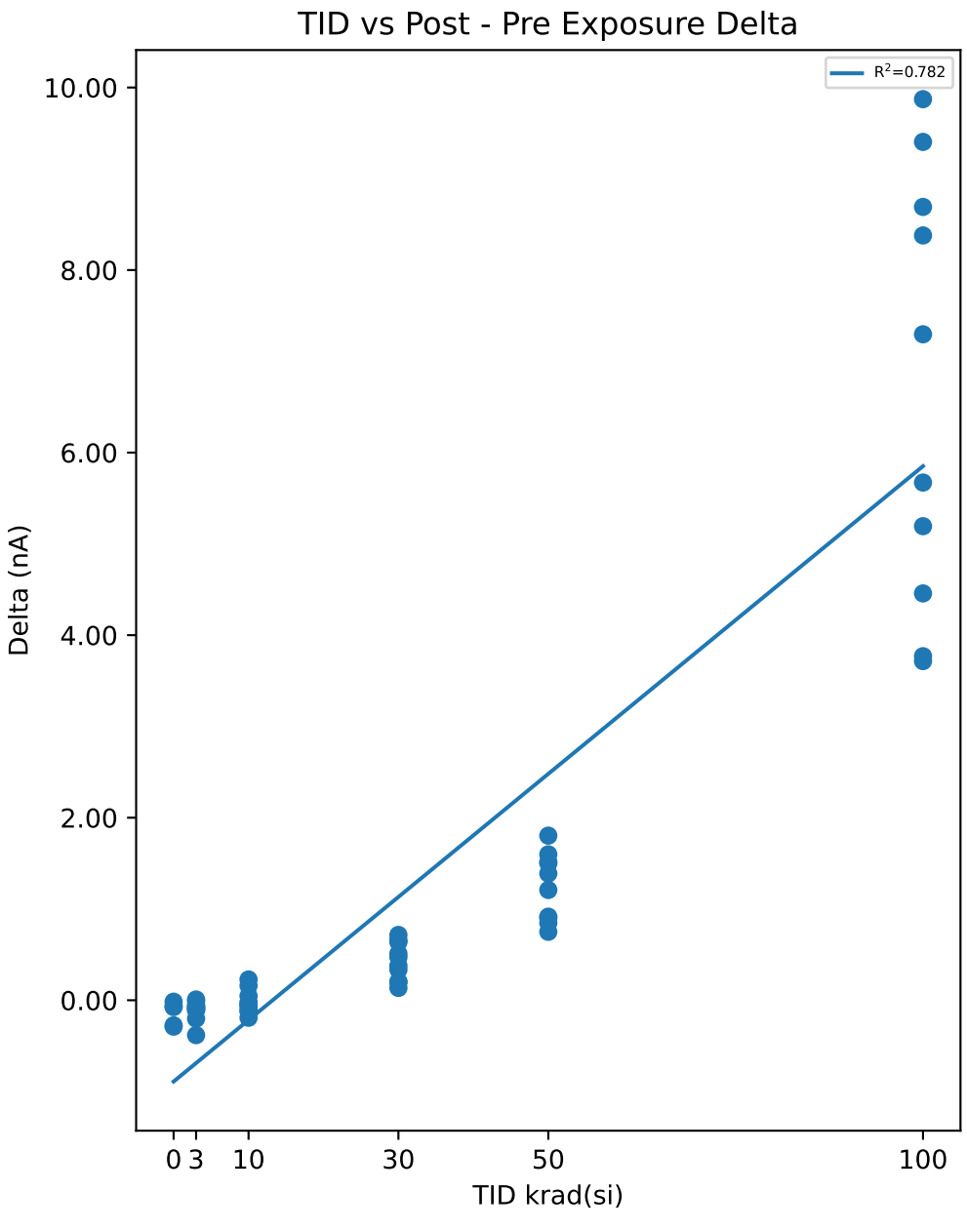
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.901	0.5511	-0.3499
2	3	Biased	0.7547	1.1581	0.4034
3	3	Biased	0.8961	0.7273	-0.1688
4	3	Biased	0.8864	0.9378	0.0514
5	3	Biased	0.7401	0.556	-0.1841
6	3	Unbiased	1.057	1.1091	0.0521
7	3	Unbiased	0.8279	0.9965	0.1686
8	3	Unbiased	0.9156	0.8301	-0.0855
9	3	Unbiased	0.9498	0.9574	0.0076
10	3	Unbiased	1.1253	1.2902	0.1649
11	10	Biased	0.8132	0.8791	0.0659
12	10	Biased	0.9839	1.1972	0.2133
13	10	Biased	0.9936	1.1189	0.1253
14	10	Biased	0.8279	0.8546	0.0267
15	10	Biased	0.7352	1.2119	0.4767
16	10	Unbiased	0.7108	1.0651	0.3543
17	10	Unbiased	0.9595	1.0455	0.086
18	10	Unbiased	1.1058	1.1581	0.0523
19	10	Unbiased	0.7303	1.0993	0.369
20	10	Unbiased	0.7791	1.1972	0.4181
21	30	Biased	0.7742	1.0602	0.286
22	30	Biased	0.7011	1.6083	0.9072
23	30	Biased	1.0083	1.1629	0.1546
24	30	Biased	0.745	1.579	0.834
25	30	Biased	1.3886	2.2055	0.8169
26	30	Unbiased	0.9156	1.3881	0.4725
27	30	Unbiased	0.8474	1.5153	0.6679
28	30	Unbiased	0.745	1.5545	0.8095
29	30	Unbiased	0.8327	1.6524	0.8197
30	30	Unbiased	0.901	1.9607	1.0597
31	50	Biased	1.0522	2.1027	1.0505
32	50	Biased	58.714	59.309	0.5948
33	50	Biased	0.9644	1.8775	0.9131
34	50	Biased	0.8766	1.9069	1.0303
35	50	Biased	1.1204	1.9216	0.8012
36	50	Unbiased	0.9303	2.3572	1.4269
37	50	Unbiased	0.7693	2.5774	1.8081
38	50	Unbiased	1.1887	2.5138	1.3251
39	50	Unbiased	0.7254	2.7145	1.9891
40	50	Unbiased	0.7986	2.5138	1.7152
41	100	Biased	0.8571	4.7751	3.918
42	100	Biased	0.6279	5.3869	4.759
43	100	Biased	3.1148	8.5144	5.3996
44	100	Biased	0.9449	6.5664	5.6215
45	100	Biased	0.9936	5.2302	4.2366
46	100	Unbiased	0.8035	9.4982	8.6947
47	100	Unbiased	0.8035	10.423	9.6197
48	100	Unbiased	0.6913	8.3333	7.642
49	100	Unbiased	0.7303	10.839	10.109
50	100	Unbiased	0.8912	9.2045	8.3133
51	0	Correlation	0.8669	0.9721	0.1052
53	0	Correlation	0.862	0.8938	0.0318
54	0	Correlation	0.8181	1.1091	0.291
55	0	Correlation	0.8961	0.9623	0.0662
56	0	Correlation	0.6816	0.7763	0.0947

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	0.6816	0.82494	0.8961	0.08484	0.7763	0.94272	1.1091	0.12147	0.0318	0.11778	0.291	0.10093
3	0.7401	0.90539	1.1253	0.12015	0.5511	0.91136	1.2902	0.24723	-0.3499	0.00597	0.4034	0.21487
10	0.7108	0.86393	1.1058	0.13654	0.8546	1.0827	1.2119	0.12709	0.0267	0.21876	0.4767	0.17048
30	0.7011	0.88589	1.3886	0.19985	1.0602	1.5687	2.2055	0.33777	0.1546	0.6828	1.0597	0.28847
50	0.7254	6.714	58.714	18.272	1.8775	7.9794	59.309	18.038	0.5948	1.2654	1.9891	0.4644
100	0.6279	1.0458	3.1148	0.73564	4.7751	7.8772	10.839	2.2313	3.918	6.8313	10.109	2.3063

Device Test: 6.57; WDO_ILKG_OD





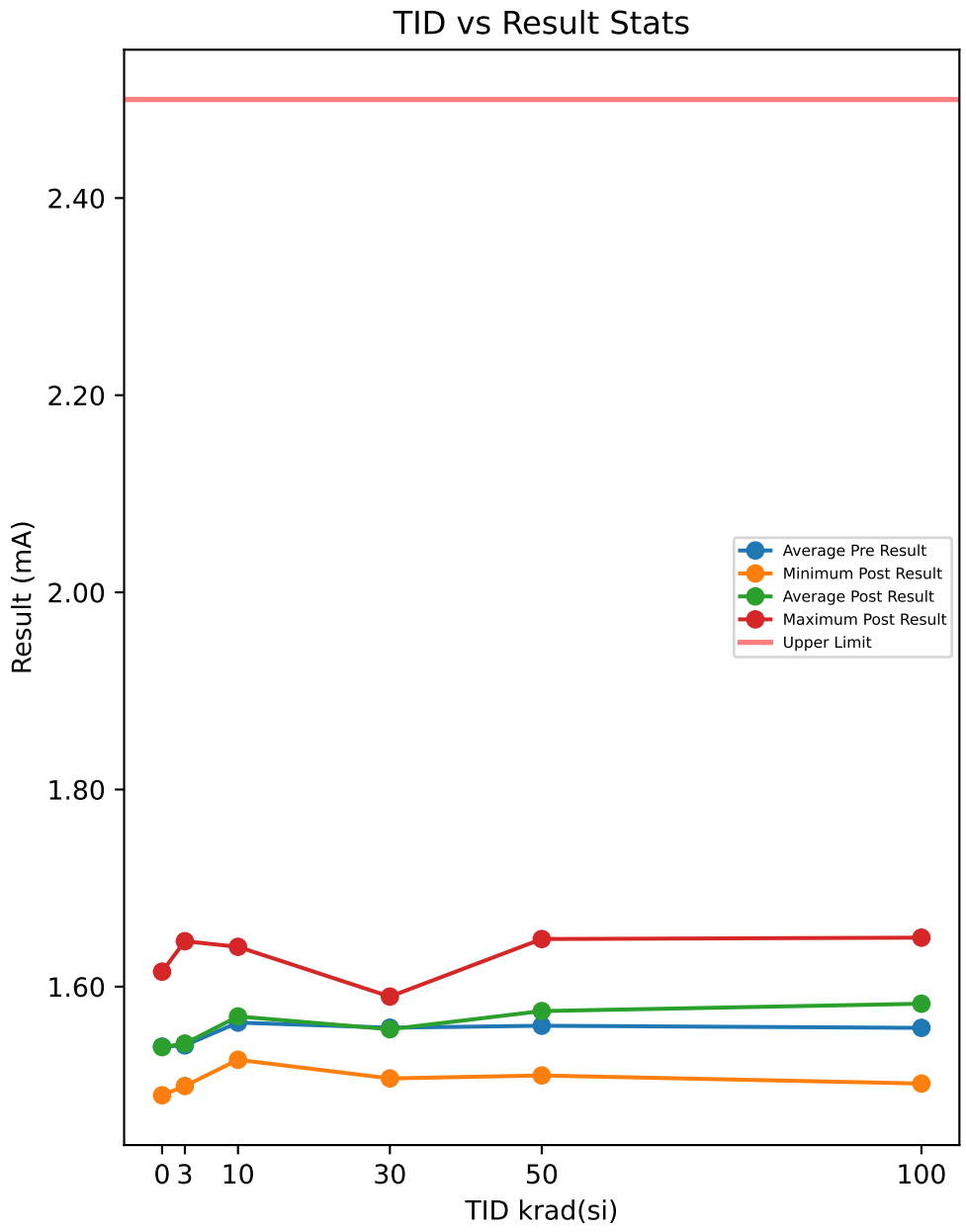
Test Results (Upper Limit = 600.0 (nA))

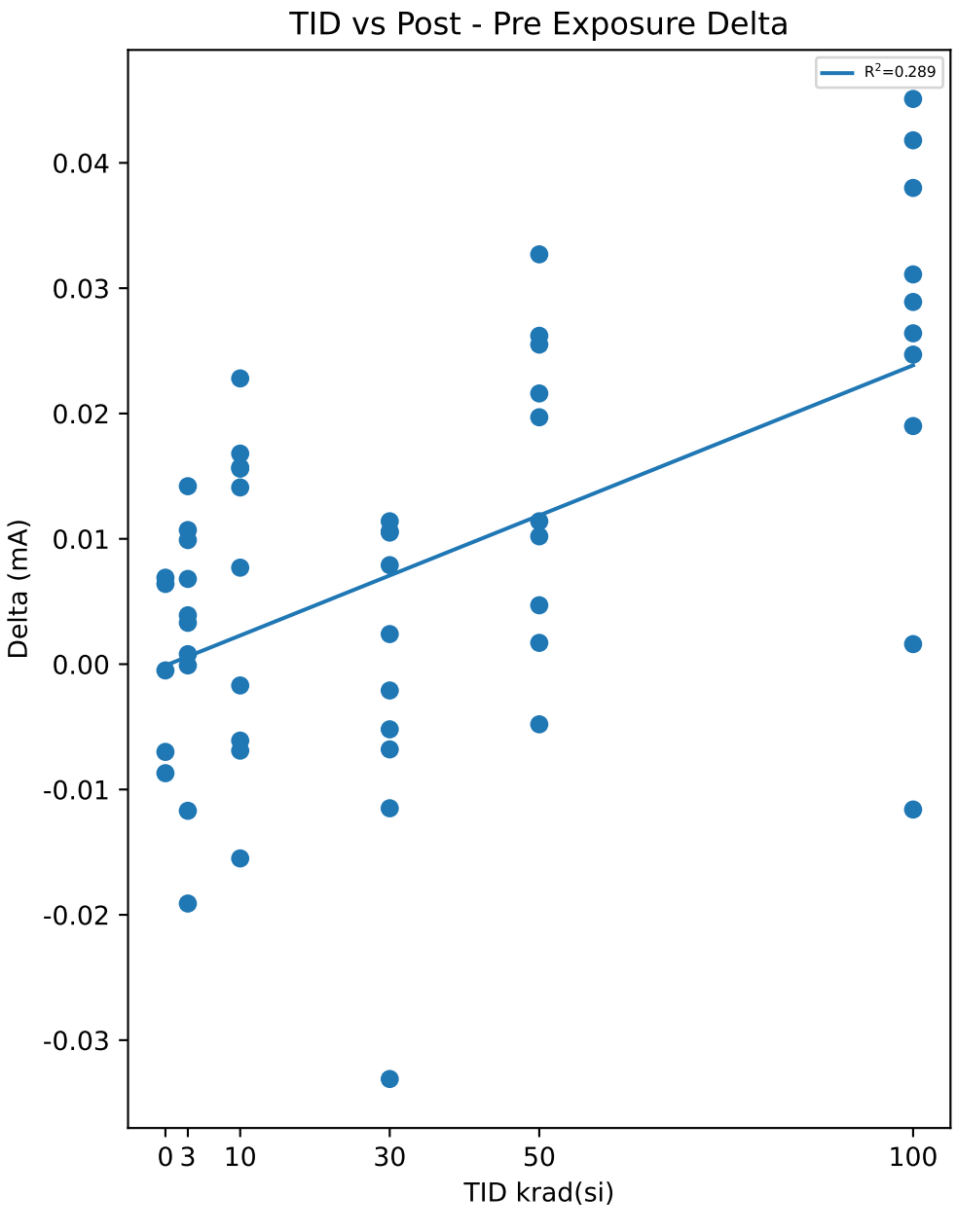
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.3467	-0.0354	-0.3821
2	3	Biased	0.4637	0.3987	-0.065
3	3	Biased	0.6686	0.589	-0.0796
4	3	Biased	0.8978	0.8378	-0.06
5	3	Biased	0.6783	0.5792	-0.0991
6	3	Unbiased	0.5222	0.5305	0.0083
7	3	Unbiased	0.6393	0.628	-0.0113
8	3	Unbiased	0.5564	0.4475	-0.1089
9	3	Unbiased	0.4881	0.3939	-0.0942
10	3	Unbiased	0.6588	0.4573	-0.2015
11	10	Biased	0.6296	0.6768	0.0472
12	10	Biased	0.693	0.6183	-0.0747
13	10	Biased	1.0441	0.8524	-0.1917
14	10	Biased	0.8881	0.8378	-0.0503
15	10	Biased	0.6003	0.5548	-0.0455
16	10	Unbiased	0.7466	0.7256	-0.021
17	10	Unbiased	0.732	0.8914	0.1594
18	10	Unbiased	0.7515	0.6329	-0.1186
19	10	Unbiased	0.6735	0.5597	-0.1138
20	10	Unbiased	0.7125	0.9402	0.2277
21	30	Biased	0.7661	1.1451	0.379
22	30	Biased	0.7271	0.9256	0.1985
23	30	Biased	0.7027	0.8378	0.1351
24	30	Biased	0.6344	0.8378	0.2034
25	30	Biased	0.5857	0.9207	0.335
26	30	Unbiased	0.5466	1.1841	0.6375
27	30	Unbiased	0.4247	1.1402	0.7155
28	30	Unbiased	0.8149	1.472	0.6571
29	30	Unbiased	0.5369	1.0476	0.5107
30	30	Unbiased	0.7076	1.1793	0.4717
31	50	Biased	0.6637	1.5793	0.9156
32	50	Biased	1.3417	2.2476	0.9059
33	50	Biased	0.7271	1.9354	1.2083
34	50	Biased	0.5759	1.4232	0.8473
35	50	Biased	0.6978	1.4476	0.7498
36	50	Unbiased	0.8051	2.3062	1.5011
37	50	Unbiased	0.5076	2.311	1.8034
38	50	Unbiased	0.6442	2.033	1.3888
39	50	Unbiased	0.7417	2.3403	1.5986
40	50	Unbiased	0.9612	2.4769	1.5157
41	100	Biased	0.7076	4.477	3.7694
42	100	Biased	0.5466	5.0039	4.4573
43	100	Biased	0.6149	5.8088	5.1939
44	100	Biased	0.6588	6.3308	5.672
45	100	Biased	0.7173	4.4331	3.7158
46	100	Unbiased	0.8344	9.5261	8.6917
47	100	Unbiased	0.8003	10.204	9.4039
48	100	Unbiased	0.6003	7.8967	7.2964
49	100	Unbiased	0.6149	10.487	9.8722
50	100	Unbiased	0.6052	8.9846	8.3794
51	0	Correlation	0.6296	0.5548	-0.0748
53	0	Correlation	0.5808	0.3061	-0.2747
54	0	Correlation	0.9466	0.9305	-0.0161
55	0	Correlation	0.8198	0.5305	-0.2893
56	0	Correlation	0.6149	0.55	-0.0649

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	0.5808	0.71834	0.9466	0.15803	0.3061	0.57438	0.9305	0.22455	-0.2893	-0.14396	-0.0161	0.12806
3	0.3467	0.59199	0.8978	0.15169	-0.0354	0.48265	0.8378	0.22493	-0.3821	-0.10934	0.0083	0.11154
10	0.6003	0.74712	1.0441	0.13048	0.5548	0.72899	0.9402	0.14192	-0.1917	-0.01813	0.2277	0.12935
30	0.4247	0.64467	0.8149	0.12067	0.8378	1.069	1.472	0.19681	0.1351	0.42435	0.7155	0.20753
50	0.5076	0.7666	1.3417	0.23712	1.4232	2.0101	2.4769	0.39639	0.7498	1.2434	1.8034	0.36887
100	0.5466	0.67003	0.8344	0.093178	4.4331	7.3152	10.487	2.3889	3.7158	6.6452	9.8722	2.3649

Device Test: 6.6; IQ





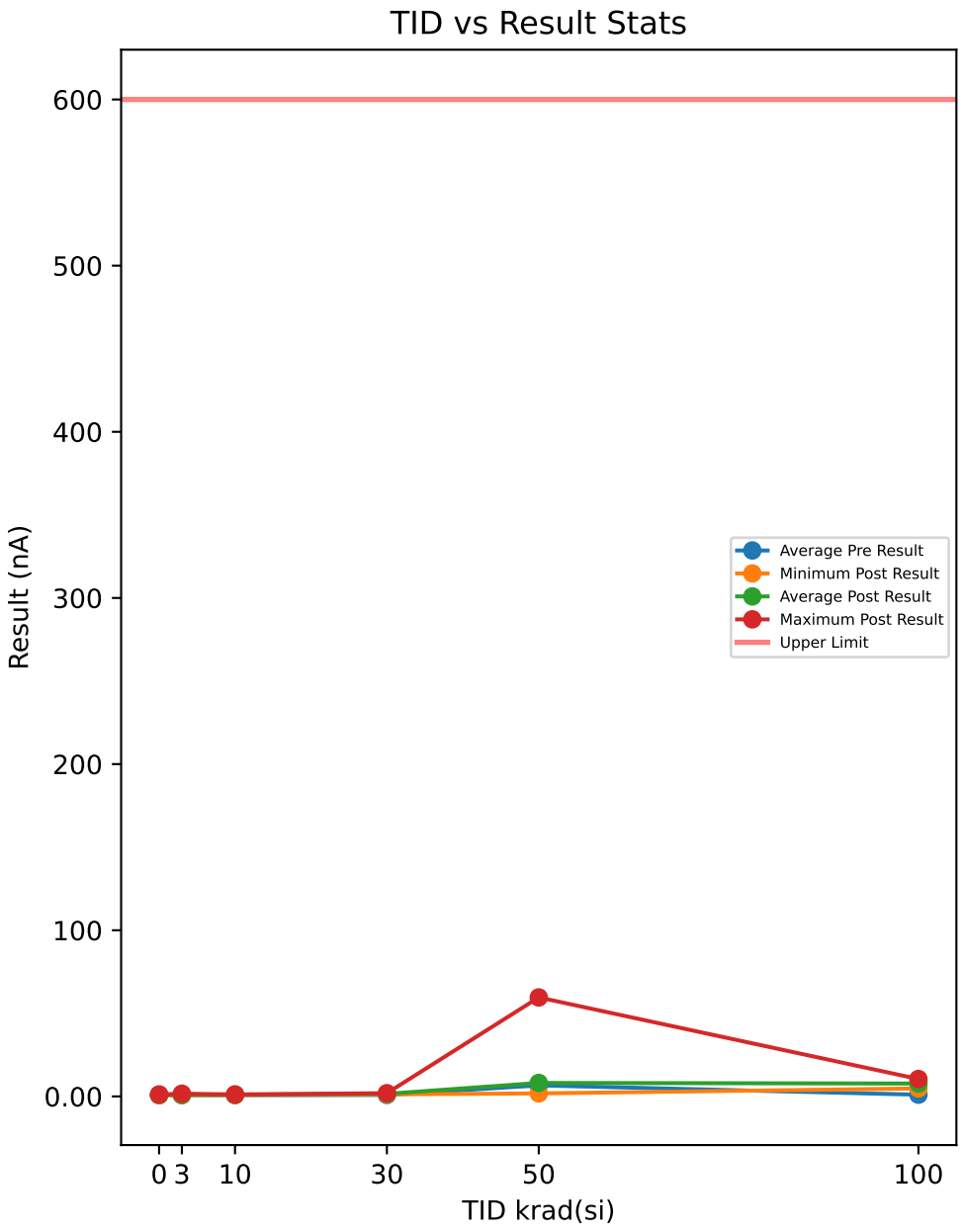
Test Results (Upper Limit = 2.5 (mA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.5531	1.5414	-0.0117
2	3	Biased	1.5282	1.5381	0.0099
3	3	Biased	1.5164	1.5306	0.0142
4	3	Biased	1.5665	1.5474	-0.0191
5	3	Biased	1.5171	1.5204	0.0033
6	3	Unbiased	1.4974	1.5013	0.0039
7	3	Unbiased	1.5345	1.5413	0.0068
8	3	Unbiased	1.4984	1.4992	0.0008
9	3	Unbiased	1.6462	1.6461	-0.0001
10	3	Unbiased	1.546	1.5567	0.0107
11	10	Biased	1.5413	1.5258	-0.0155
12	10	Biased	1.563	1.5786	0.0156
13	10	Biased	1.5587	1.557	-0.0017
14	10	Biased	1.5843	1.5782	-0.0061
15	10	Biased	1.5372	1.5513	0.0141
16	10	Unbiased	1.5513	1.5741	0.0228
17	10	Unbiased	1.5446	1.5377	-0.0069
18	10	Unbiased	1.6327	1.6404	0.0077
19	10	Unbiased	1.5446	1.5603	0.0157
20	10	Unbiased	1.5776	1.5944	0.0168
21	30	Biased	1.5048	1.5072	0.0024
22	30	Biased	1.5785	1.5899	0.0114
23	30	Biased	1.546	1.5566	0.0106
24	30	Biased	1.5477	1.5456	-0.0021
25	30	Biased	1.5866	1.5798	-0.0068
26	30	Unbiased	1.5822	1.577	-0.0052
27	30	Unbiased	1.5775	1.5444	-0.0331
28	30	Unbiased	1.5599	1.5704	0.0105
29	30	Unbiased	1.5184	1.5069	-0.0115
30	30	Unbiased	1.582	1.5899	0.0079
31	50	Biased	1.5349	1.5396	0.0047
32	50	Biased	1.5469	1.5685	0.0216
33	50	Biased	1.5373	1.57	0.0327
34	50	Biased	1.6092	1.6289	0.0197
35	50	Biased	1.5006	1.5268	0.0262
36	50	Unbiased	1.574	1.5692	-0.0048
37	50	Unbiased	1.4844	1.5099	0.0255
38	50	Unbiased	1.5371	1.5473	0.0102
39	50	Unbiased	1.6369	1.6483	0.0114
40	50	Unbiased	1.642	1.6437	0.0017
41	100	Biased	1.4706	1.5017	0.0311
42	100	Biased	1.5562	1.5446	-0.0116
43	100	Biased	1.522	1.5671	0.0451
44	100	Biased	1.6208	1.6497	0.0289
45	100	Biased	1.5282	1.5546	0.0264
46	100	Unbiased	1.5671	1.5918	0.0247
47	100	Unbiased	1.5816	1.6196	0.038
48	100	Unbiased	1.5612	1.603	0.0418
49	100	Unbiased	1.6424	1.644	0.0016
50	100	Unbiased	1.5317	1.5507	0.019
51	0	Correlation	1.5001	1.4996	-0.0005
53	0	Correlation	1.4985	1.4898	-0.0087
54	0	Correlation	1.5404	1.5468	0.0064
55	0	Correlation	1.6083	1.6152	0.0069
56	0	Correlation	1.5488	1.5418	-0.007

Test Statistics (mA)

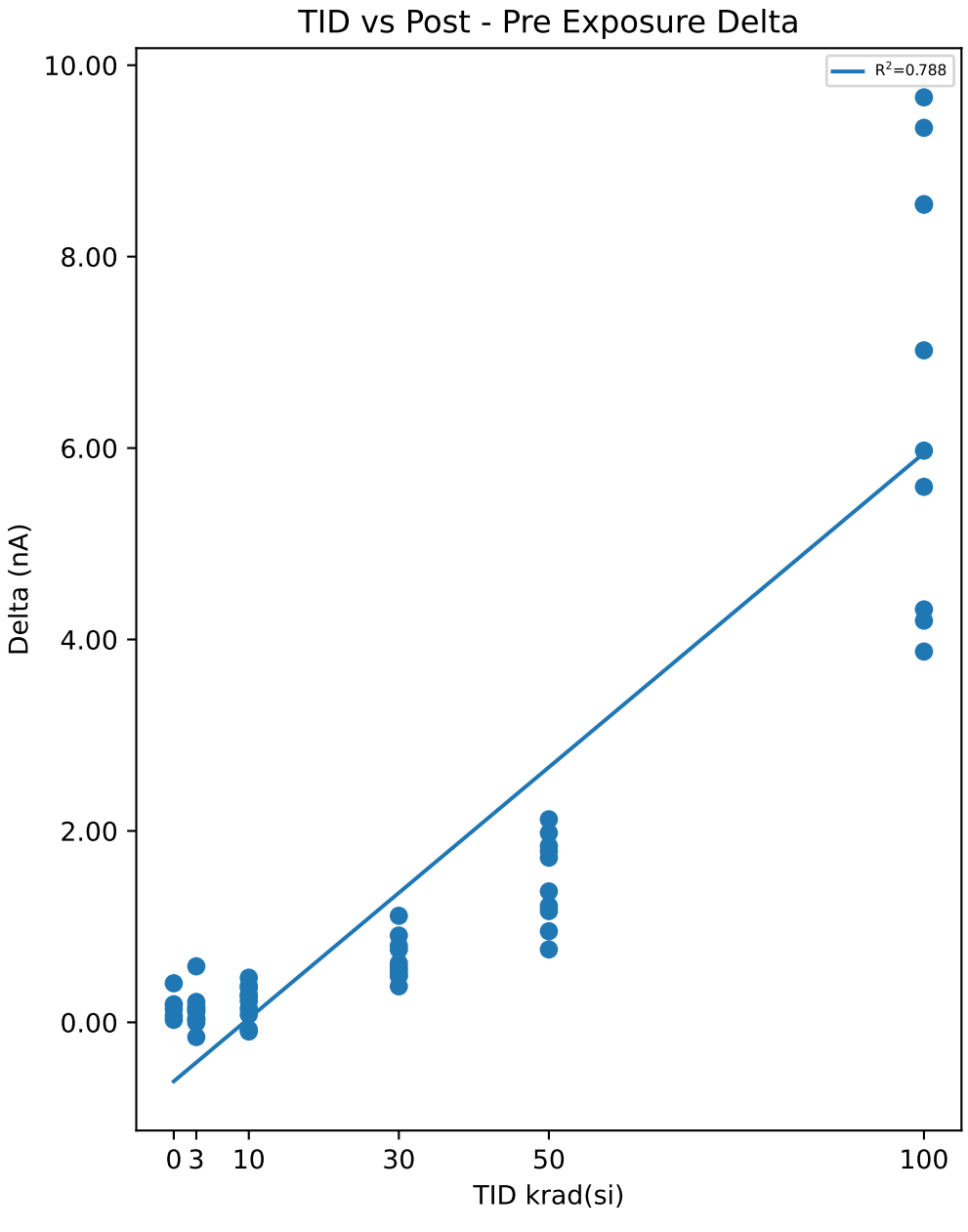
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.4985	1.5392	1.6083	0.044871	1.4898	1.5386	1.6152	0.049617	-0.0087	-0.00058	0.0069	0.0072772
3	1.4974	1.5404	1.6462	0.04344	1.4992	1.5422	1.6461	0.041072	-0.0191	0.00187	0.0142	0.010295
10	1.5372	1.5635	1.6327	0.02885	1.5258	1.5698	1.6404	0.032178	-0.0155	0.00625	0.0228	0.012855
30	1.5048	1.5584	1.5866	0.028734	1.5069	1.5568	1.5899	0.030809	-0.0331	-0.00159	0.0114	0.013748
50	1.4844	1.5603	1.642	0.054097	1.5099	1.5752	1.6483	0.04908	-0.0048	0.01489	0.0327	0.012136
100	1.4706	1.5582	1.6424	0.049704	1.5017	1.5827	1.6497	0.047344	-0.0116	0.0245	0.0451	0.017734

Device Test: 6.62; PWRGD_ILKG_OD



Test Results (Upper Limit = 600.0 (nA))

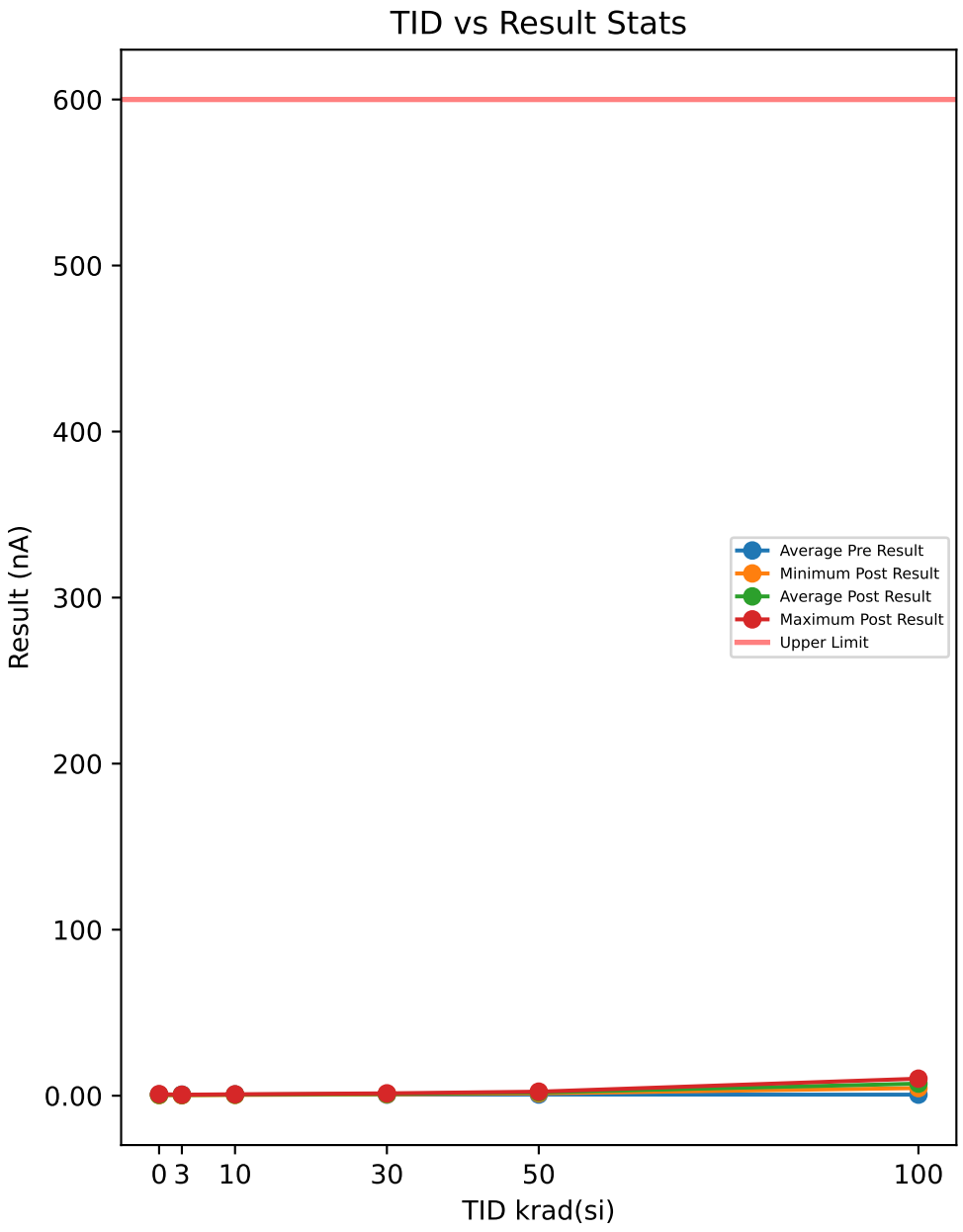
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.8669	0.8644	-0.0025
2	3	Biased	0.862	0.9721	0.1101
3	3	Biased	0.6816	0.8448	0.1632
4	3	Biased	0.7498	0.8986	0.1488
5	3	Biased	0.7157	0.7518	0.0361
6	3	Unbiased	1.0034	0.8497	-0.1537
7	3	Unbiased	0.6182	0.742	0.1238
8	3	Unbiased	0.9449	0.977	0.0321
9	3	Unbiased	1.018	1.2315	0.2135
10	3	Unbiased	1.0473	1.6328	0.5855
11	10	Biased	0.8132	1.0357	0.2225
12	10	Biased	0.8815	0.7861	-0.0954
13	10	Biased	0.9741	0.8986	-0.0755
14	10	Biased	0.7791	0.9231	0.144
15	10	Biased	0.6474	1.0308	0.3834
16	10	Unbiased	0.6621	0.9378	0.2757
17	10	Unbiased	0.8717	1.1581	0.2864
18	10	Unbiased	1.1156	1.1972	0.0816
19	10	Unbiased	0.7157	1.1825	0.4668
20	10	Unbiased	0.6864	1.0455	0.3591
21	30	Biased	0.7937	1.3343	0.5406
22	30	Biased	0.7986	1.4175	0.6189
23	30	Biased	1.1351	1.6181	0.483
24	30	Biased	0.7157	1.2902	0.5745
25	30	Biased	1.4569	1.8335	0.3766
26	30	Unbiased	0.8864	1.6475	0.7611
27	30	Unbiased	0.745	1.2413	0.4963
28	30	Unbiased	0.7108	1.6181	0.9073
29	30	Unbiased	0.8181	1.9314	1.1133
30	30	Unbiased	0.7011	1.5007	0.7996
31	50	Biased	1.0473	1.809	0.7617
32	50	Biased	58.621	59.573	0.9518
33	50	Biased	0.8717	2.0342	1.1625
34	50	Biased	0.8815	2.0978	1.2163
35	50	Biased	0.9498	2.318	1.3682
36	50	Unbiased	0.823	2.5432	1.7202
37	50	Unbiased	0.6718	2.7928	2.121
38	50	Unbiased	0.8376	2.6264	1.7888
39	50	Unbiased	0.7011	2.6802	1.9791
40	50	Unbiased	0.8474	2.69	1.8426
41	100	Biased	0.9205	4.7946	3.8741
42	100	Biased	0.7742	5.0883	4.3141
43	100	Biased	3.0075	8.6025	5.595
44	100	Biased	0.7498	6.723	5.9732
45	100	Biased	0.862	5.0589	4.1969
46	100	Unbiased	0.9303	9.4786	8.5483
47	100	Unbiased	0.862	10.208	9.3459
48	100	Unbiased	0.7937	7.8145	7.0208
49	100	Unbiased	0.8035	10.467	9.6638
50	100	Unbiased	0.6864	9.229	8.5426
51	0	Correlation	0.6572	0.6833	0.0261
53	0	Correlation	0.979	1.1678	0.1888
54	0	Correlation	0.7645	1.1727	0.4082
55	0	Correlation	0.8132	0.8791	0.0659
56	0	Correlation	0.7011	0.8399	0.1388

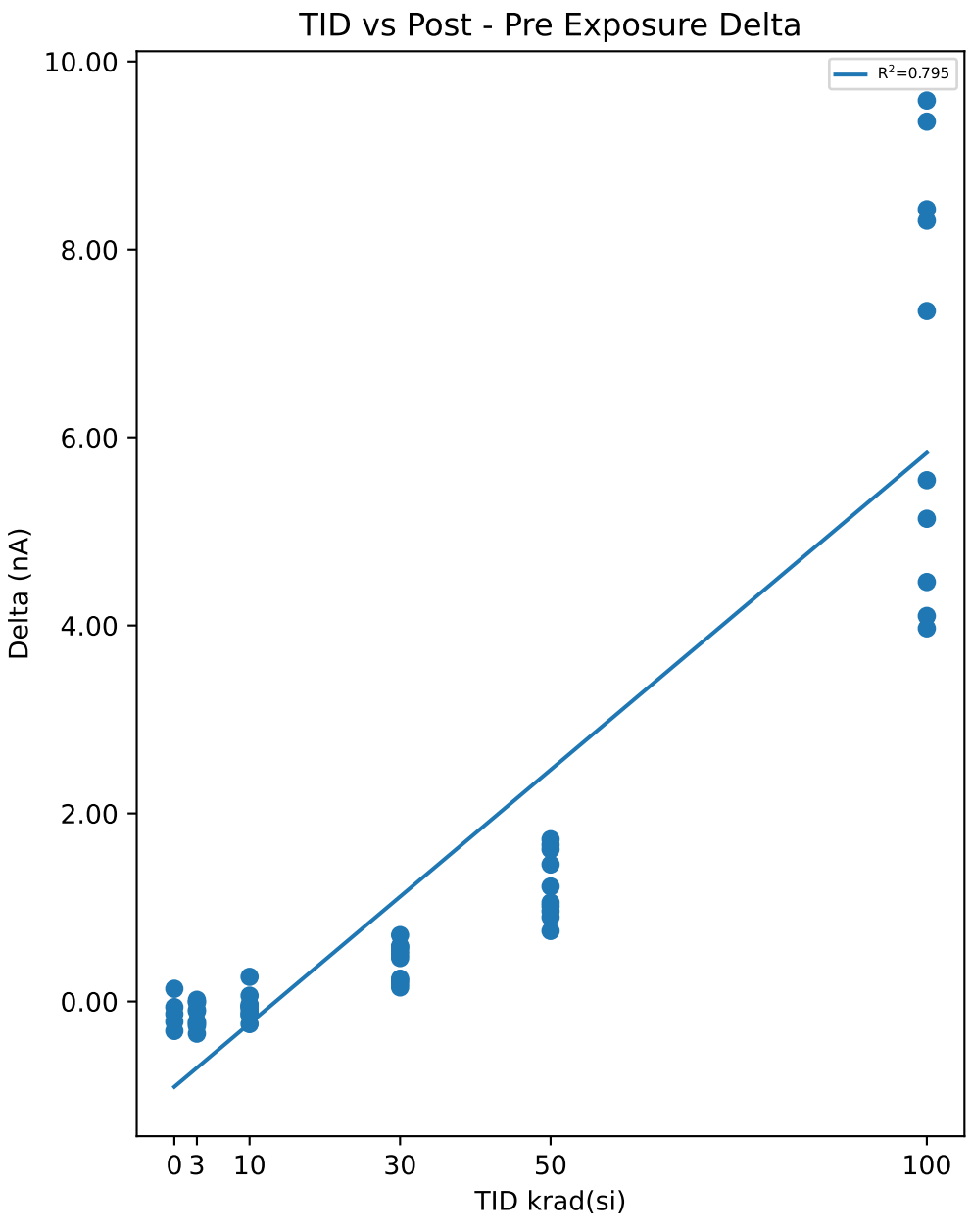


Test Statistics (nA)

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	0.6572	0.783	0.979	0.1247	0.6833	0.94856	1.1727	0.21523	0.0261	0.16556	0.4082	0.14959
3	0.6182	0.85078	1.0473	0.15285	0.742	0.97647	1.6328	0.26943	-0.1537	0.12569	0.5855	0.19224
10	0.6474	0.81468	1.1156	0.14999	0.7861	1.0195	1.1972	0.13478	-0.0954	0.20486	0.4668	0.18971
30	0.7011	0.87614	1.4569	0.24073	1.2413	1.5433	1.9314	0.22936	0.3766	0.66712	1.1133	0.22547
50	0.6718	6.6253	58.621	18.27	1.809	8.1165	59.573	18.083	0.7617	1.4912	2.121	0.46201
100	0.6864	1.039	3.0075	0.6958	4.7946	7.7465	10.467	2.1971	3.8741	6.7075	9.6638	2.2209

Device Test: 6.63; WDO_ILKG_OD





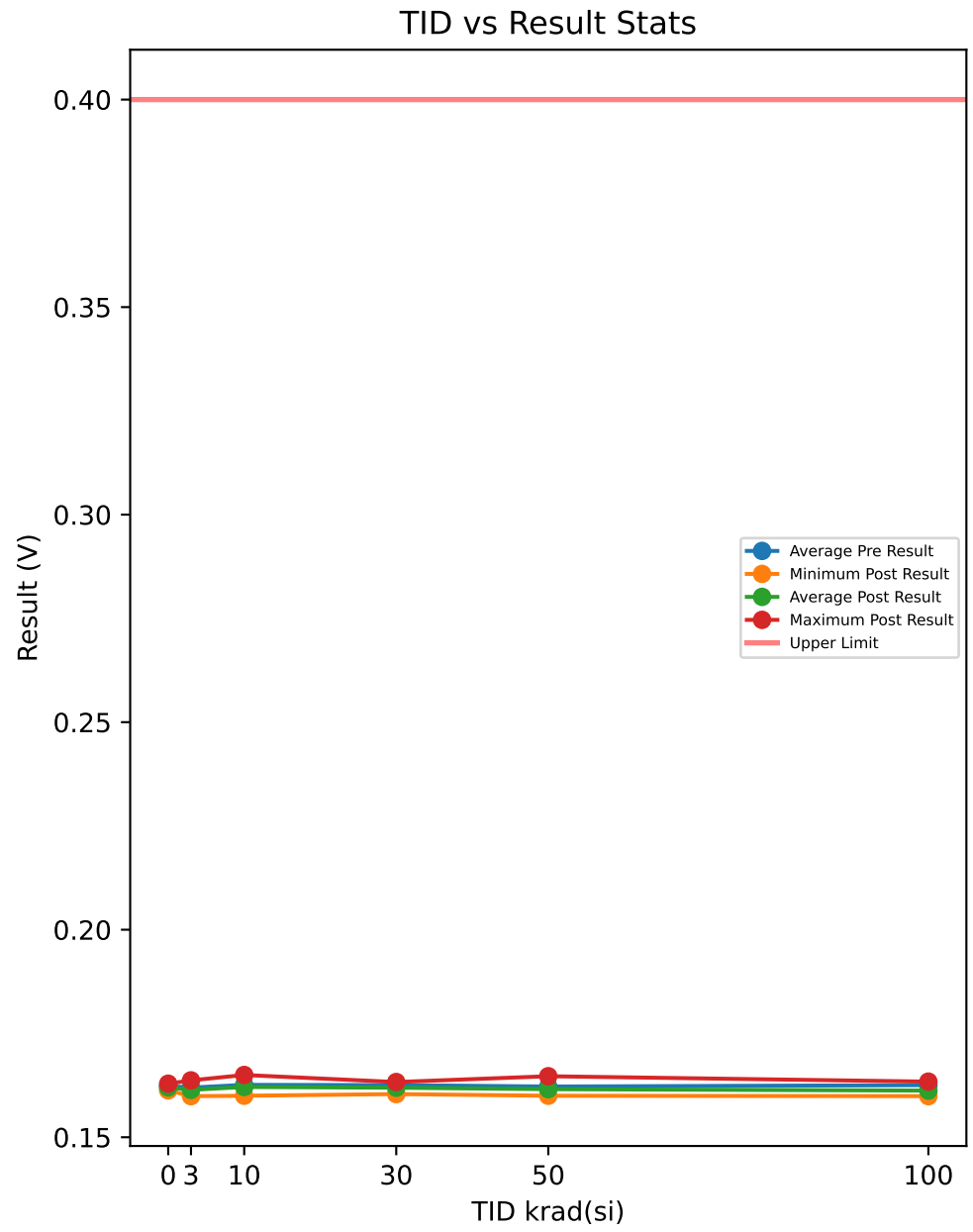
Test Results (Upper Limit = 600.0 (nA))

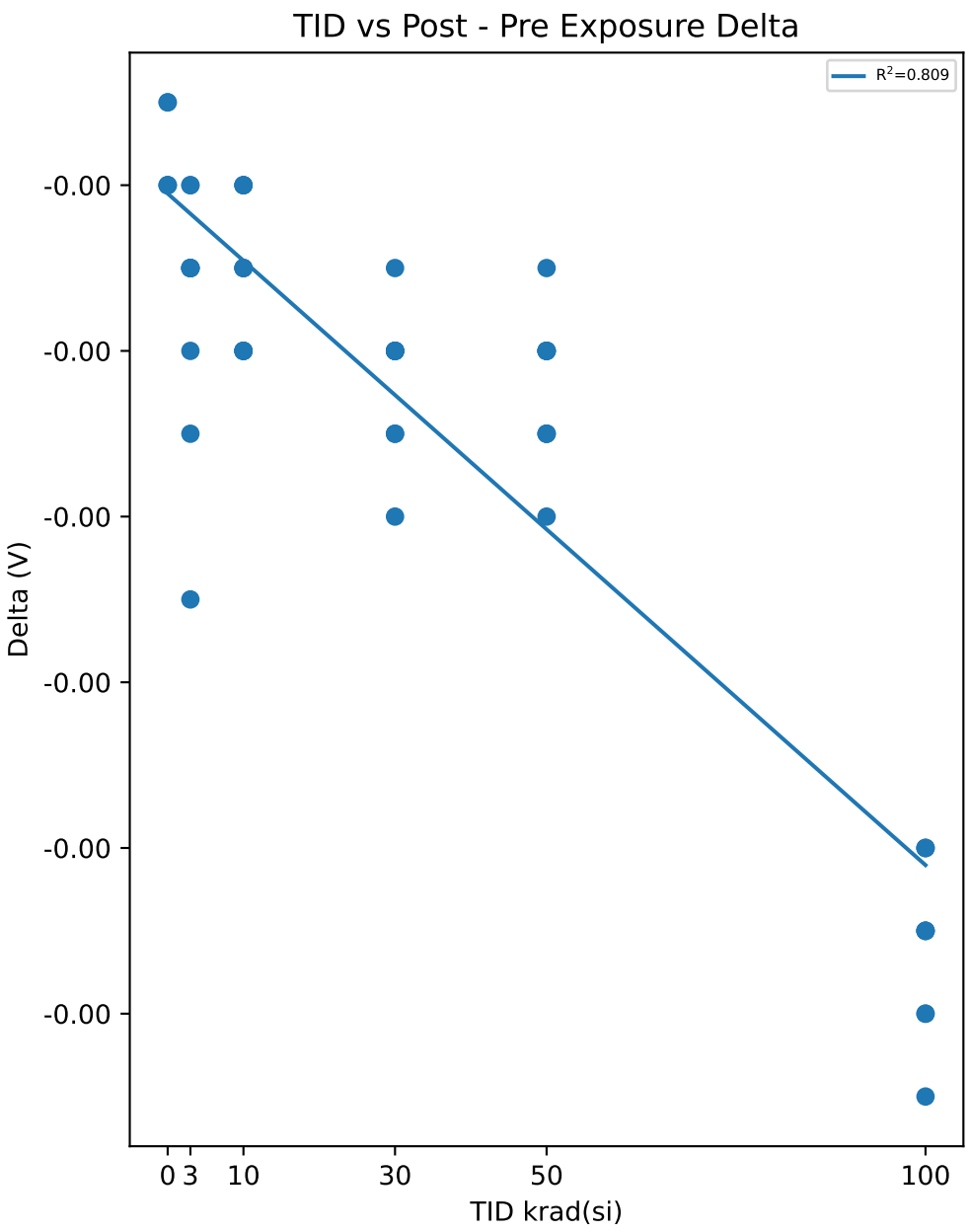
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.4784	0.2621	-0.2163
2	3	Biased	0.7271	0.4817	-0.2454
3	3	Biased	0.5808	0.5744	-0.0064
4	3	Biased	0.771	0.428	-0.343
5	3	Biased	0.571	0.589	0.018
6	3	Unbiased	0.6198	0.6134	-0.0064
7	3	Unbiased	0.6735	0.5841	-0.0894
8	3	Unbiased	0.6198	0.3939	-0.2259
9	3	Unbiased	0.5613	0.4573	-0.104
10	3	Unbiased	0.6296	0.3695	-0.2601
11	10	Biased	0.4881	0.4573	-0.0308
12	10	Biased	0.7271	0.5841	-0.143
13	10	Biased	0.9271	0.8768	-0.0503
14	10	Biased	0.8978	0.789	-0.1088
15	10	Biased	0.454	0.5158	0.0618
16	10	Unbiased	0.6442	0.589	-0.0552
17	10	Unbiased	0.8588	0.7939	-0.0649
18	10	Unbiased	0.7954	0.5548	-0.2406
19	10	Unbiased	0.6393	0.4963	-0.143
20	10	Unbiased	0.5905	0.8524	0.2619
21	30	Biased	0.8003	0.95	0.1497
22	30	Biased	0.6978	0.8866	0.1888
23	30	Biased	0.6491	0.8914	0.2423
24	30	Biased	0.5954	0.8183	0.2229
25	30	Biased	0.6637	1.1256	0.4619
26	30	Unbiased	0.6442	1.2232	0.579
27	30	Unbiased	0.5808	1.0817	0.5009
28	30	Unbiased	0.8881	1.4281	0.54
29	30	Unbiased	0.5515	1.1402	0.5887
30	30	Unbiased	0.5418	1.2476	0.7058
31	50	Biased	0.5027	1.5159	1.0132
32	50	Biased	1.2392	2.1354	0.8962
33	50	Biased	0.8003	1.7598	0.9595
34	50	Biased	0.4637	1.5159	1.0522
35	50	Biased	0.6588	1.4086	0.7498
36	50	Unbiased	0.7759	2.4428	1.6669
37	50	Unbiased	0.4735	2.1988	1.7253
38	50	Unbiased	0.532	1.9891	1.4571
39	50	Unbiased	0.5954	2.2135	1.6181
40	50	Unbiased	1.0441	2.2671	1.223
41	100	Biased	0.61	4.5795	3.9695
42	100	Biased	0.5369	4.999	4.4621
43	100	Biased	0.6588	5.7942	5.1354
44	100	Biased	0.6686	6.2137	5.5451
45	100	Biased	0.5027	4.6038	4.1011
46	100	Unbiased	0.9222	9.2285	8.3063
47	100	Unbiased	0.6149	9.9749	9.36
48	100	Unbiased	0.6344	7.9796	7.3452
49	100	Unbiased	0.6832	10.268	9.5844
50	100	Unbiased	0.5857	9.0138	8.4281
51	0	Correlation	0.4296	0.5646	0.135
53	0	Correlation	0.6393	0.4231	-0.2162
54	0	Correlation	1.0295	0.9695	-0.06
55	0	Correlation	0.5808	0.4475	-0.1333
56	0	Correlation	0.6539	0.3402	-0.3137

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	0.4296	0.66662	1.0295	0.22143	0.3402	0.54898	0.9695	0.2484	-0.3137	-0.11764	0.135	0.16996
3	0.4784	0.62323	0.771	0.084693	0.2621	0.47534	0.6134	0.11525	-0.343	-0.14789	0.018	0.12642
10	0.454	0.70223	0.9271	0.16664	0.4573	0.65094	0.8768	0.15928	-0.2406	-0.05129	0.2619	0.13641
30	0.5418	0.66127	0.8881	0.1104	0.8183	1.0793	1.4281	0.19259	0.1497	0.418	0.7058	0.19861
50	0.4637	0.70856	1.2392	0.26059	1.4086	1.9447	2.4428	0.36766	0.7498	1.2361	1.7253	0.35463
100	0.5027	0.64174	0.9222	0.11384	4.5795	7.2655	10.268	2.2726	3.9695	6.6237	9.5844	2.2191

Device Test: 6.64; VOL_RESET_2MA_OD





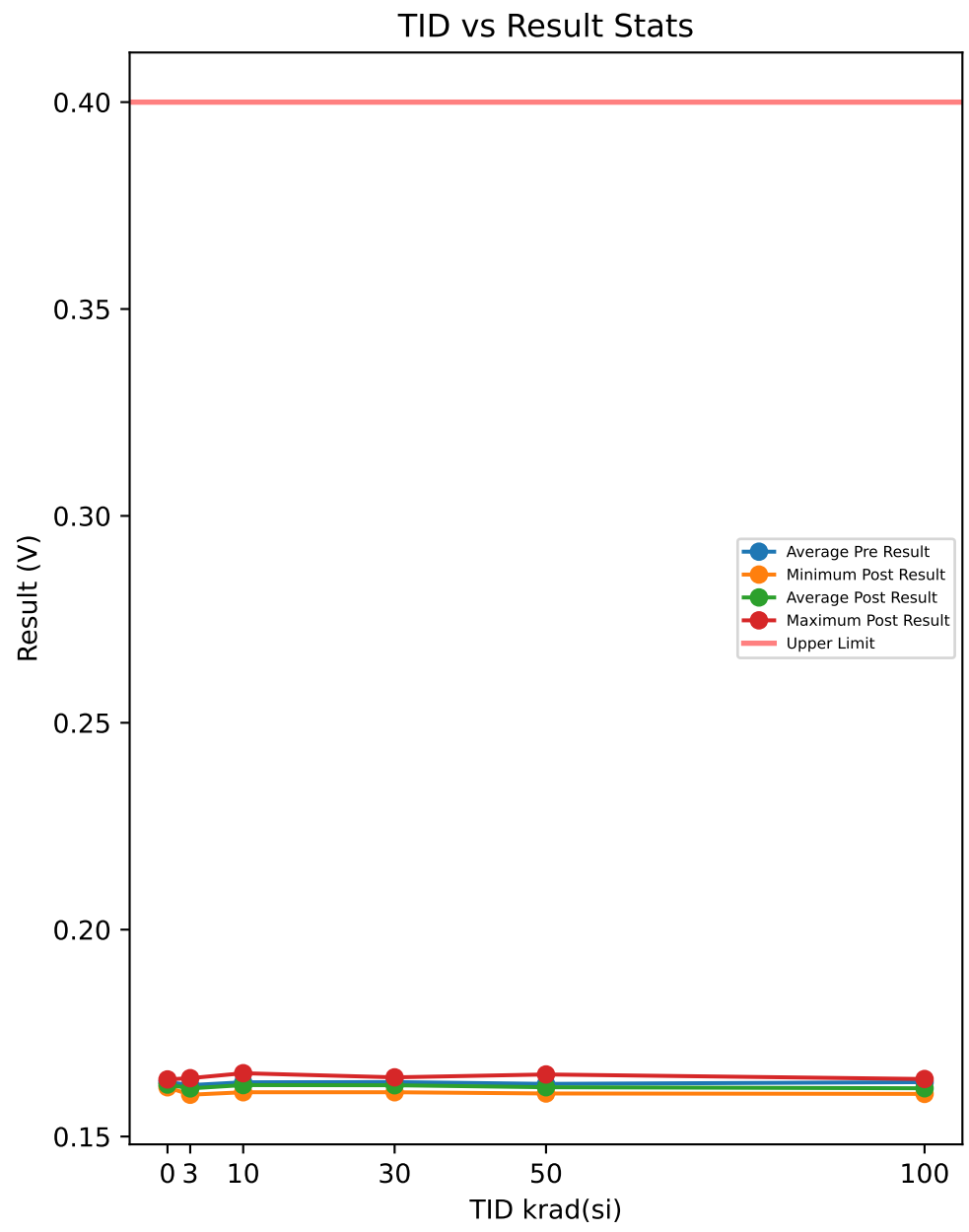
Test Results (Upper Limit = 0.4 (V))

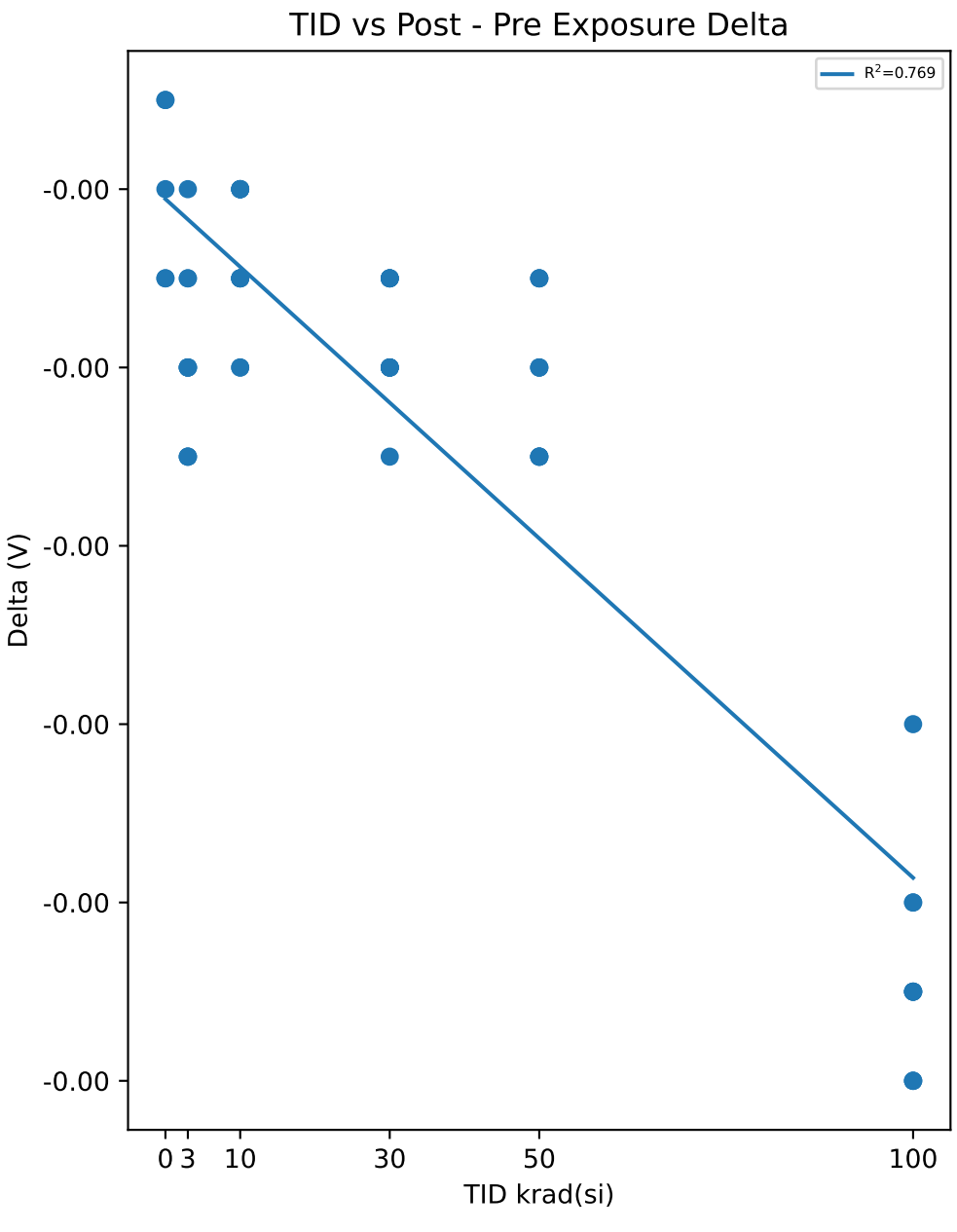
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.1632	0.1623	-0.0009
2	3	Biased	0.1642	0.1637	-0.0005
3	3	Biased	0.1618	0.1611	-0.0007
4	3	Biased	0.1615	0.1609	-0.0006
5	3	Biased	0.1619	0.1614	-0.0005
6	3	Unbiased	0.1623	0.1619	-0.0004
7	3	Unbiased	0.1622	0.1618	-0.0004
8	3	Unbiased	0.1604	0.1599	-0.0005
9	3	Unbiased	0.1605	0.16	-0.0005
10	3	Unbiased	0.1616	0.1611	-0.0005
11	10	Biased	0.1605	0.16	-0.0005
12	10	Biased	0.1656	0.165	-0.0006
13	10	Biased	0.1622	0.1616	-0.0006
14	10	Biased	0.1616	0.161	-0.0006
15	10	Biased	0.1619	0.1615	-0.0004
16	10	Unbiased	0.1612	0.1607	-0.0005
17	10	Unbiased	0.1621	0.1617	-0.0004
18	10	Unbiased	0.1647	0.1641	-0.0006
19	10	Unbiased	0.1612	0.1607	-0.0005
20	10	Unbiased	0.1652	0.1648	-0.0004
21	30	Biased	0.1628	0.1621	-0.0007
22	30	Biased	0.1624	0.1618	-0.0006
23	30	Biased	0.1639	0.1633	-0.0006
24	30	Biased	0.1615	0.1609	-0.0006
25	30	Biased	0.1615	0.1609	-0.0006
26	30	Unbiased	0.1637	0.163	-0.0007
27	30	Unbiased	0.1612	0.1604	-0.0008
28	30	Unbiased	0.1635	0.1629	-0.0006
29	30	Unbiased	0.1624	0.1618	-0.0006
30	30	Unbiased	0.1627	0.1622	-0.0005
31	50	Biased	0.1622	0.1616	-0.0006
32	50	Biased	0.1625	0.1618	-0.0007
33	50	Biased	0.1615	0.1608	-0.0007
34	50	Biased	0.1606	0.16	-0.0006
35	50	Biased	0.1653	0.1647	-0.0006
36	50	Unbiased	0.1643	0.1635	-0.0008
37	50	Unbiased	0.1612	0.1606	-0.0006
38	50	Unbiased	0.1606	0.1601	-0.0005
39	50	Unbiased	0.1619	0.1613	-0.0006
40	50	Unbiased	0.1621	0.1614	-0.0007
41	100	Biased	0.1646	0.1634	-0.0012
42	100	Biased	0.1611	0.1599	-0.0012
43	100	Biased	0.1643	0.1629	-0.0014
44	100	Biased	0.162	0.1607	-0.0013
45	100	Biased	0.1619	0.1605	-0.0014
46	100	Unbiased	0.1629	0.1616	-0.0013
47	100	Unbiased	0.1632	0.162	-0.0012
48	100	Unbiased	0.1614	0.1601	-0.0013
49	100	Unbiased	0.1622	0.1607	-0.0015
50	100	Unbiased	0.1619	0.1606	-0.0013
51	0	Correlation	0.1618	0.1615	-0.0003
53	0	Correlation	0.1632	0.1629	-0.0003
54	0	Correlation	0.1617	0.1613	-0.0004
55	0	Correlation	0.1633	0.1629	-0.0004
56	0	Correlation	0.1618	0.1614	-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	0.1617	0.16236	0.1633	0.00081425	0.1613	0.162	0.1629	0.00082462	-0.0004	-0.00036	-0.0003	5.4772e-05
3	0.1604	0.16196	0.1642	0.0011384	0.1599	0.16141	0.1637	0.001113	-0.0009	-0.00055	-0.0004	0.00015092
10	0.1605	0.16262	0.1656	0.0018378	0.16	0.16211	0.165	0.001826	-0.0006	-0.00051	-0.0004	8.756e-05
30	0.1612	0.16256	0.1639	0.00095475	0.1604	0.16193	0.1633	0.00097531	-0.0008	-0.00063	-0.0005	8.2327e-05
50	0.1606	0.16222	0.1653	0.0015208	0.16	0.16158	0.1647	0.0014846	-0.0008	-0.00064	-0.0005	8.4327e-05
100	0.1611	0.16255	0.1646	0.0011787	0.1599	0.16124	0.1634	0.0011909	-0.0015	-0.00131	-0.0012	9.9443e-05

Device Test: 6.65; VOL_RESET_2MA_OD





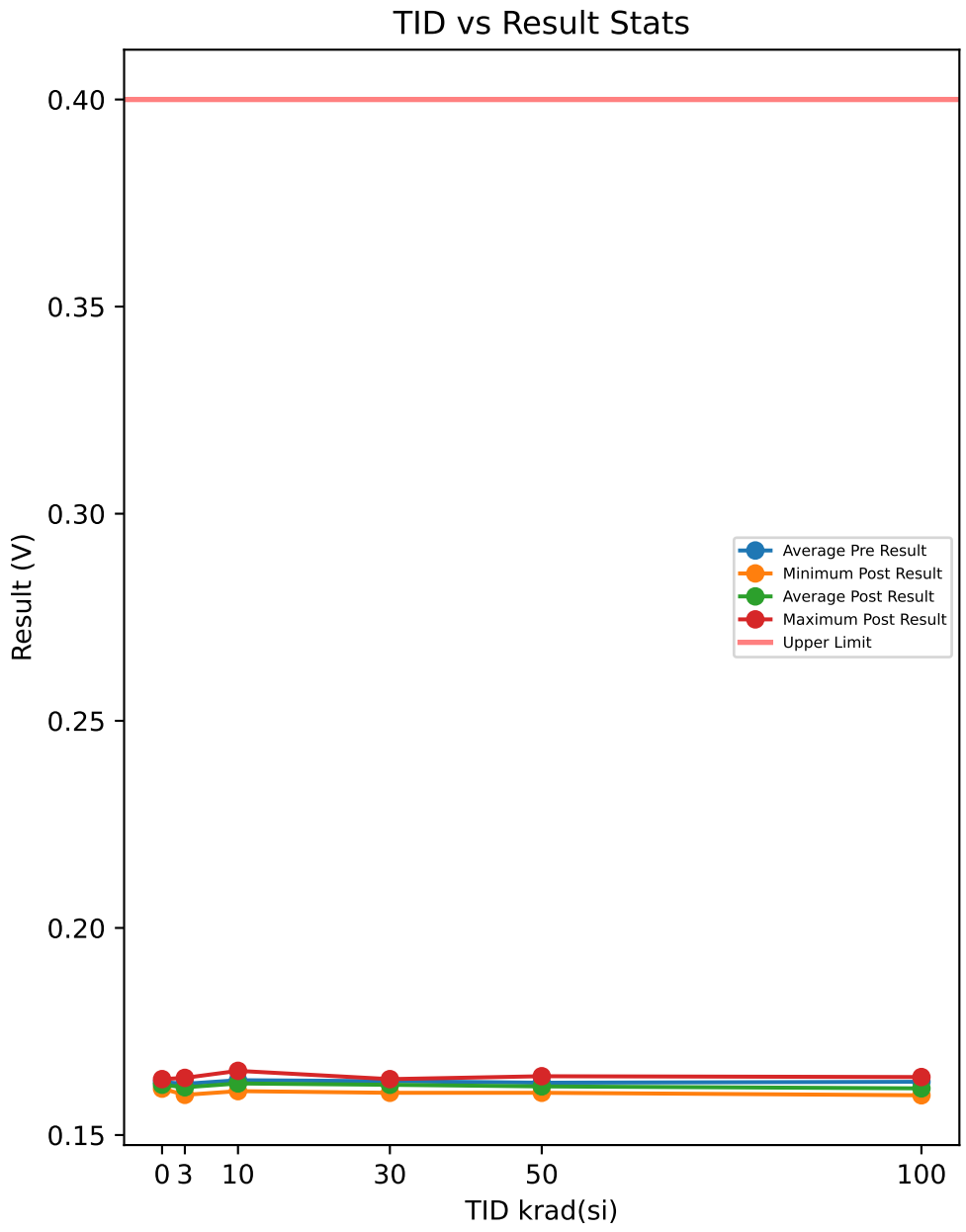
Test Results (Upper Limit = 0.4 (V))

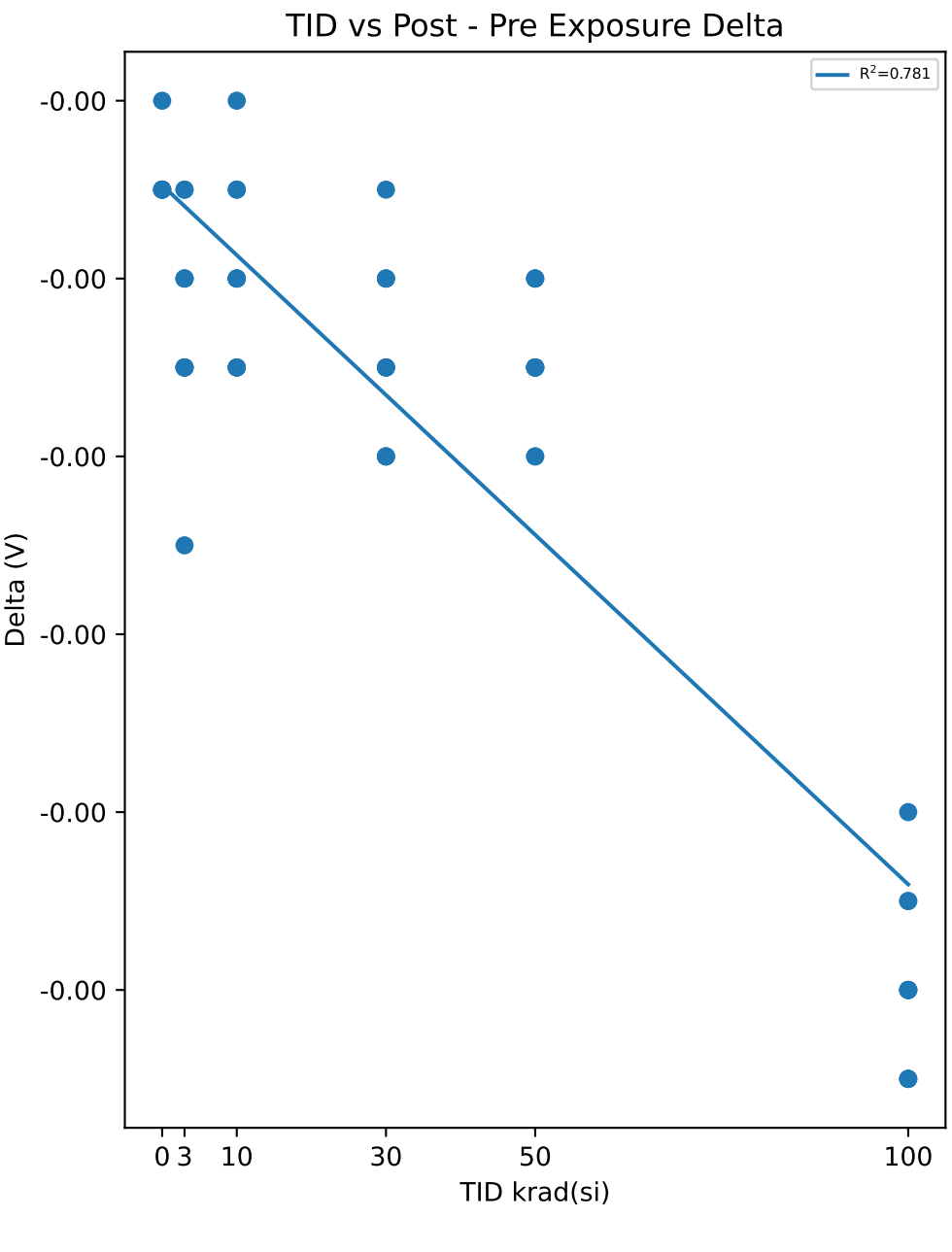
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.1638	0.1629	-0.0009
2	3	Biased	0.1649	0.1641	-0.0008
3	3	Biased	0.1618	0.1609	-0.0009
4	3	Biased	0.1616	0.1607	-0.0009
5	3	Biased	0.1624	0.1616	-0.0008
6	3	Unbiased	0.163	0.1623	-0.0007
7	3	Unbiased	0.1626	0.162	-0.0006
8	3	Unbiased	0.1609	0.1601	-0.0008
9	3	Unbiased	0.1612	0.1605	-0.0007
10	3	Unbiased	0.162	0.1612	-0.0008
11	10	Biased	0.1615	0.1607	-0.0008
12	10	Biased	0.1654	0.1647	-0.0007
13	10	Biased	0.1627	0.1619	-0.0008
14	10	Biased	0.1623	0.1616	-0.0007
15	10	Biased	0.1626	0.162	-0.0006
16	10	Unbiased	0.1617	0.1611	-0.0006
17	10	Unbiased	0.1626	0.162	-0.0006
18	10	Unbiased	0.165	0.1643	-0.0007
19	10	Unbiased	0.1614	0.1607	-0.0007
20	10	Unbiased	0.1659	0.1653	-0.0006
21	30	Biased	0.1632	0.1624	-0.0008
22	30	Biased	0.1628	0.1621	-0.0007
23	30	Biased	0.1651	0.1643	-0.0008
24	30	Biased	0.1622	0.1614	-0.0008
25	30	Biased	0.1624	0.1617	-0.0007
26	30	Unbiased	0.1642	0.1635	-0.0007
27	30	Unbiased	0.1615	0.1607	-0.0008
28	30	Unbiased	0.1645	0.1636	-0.0009
29	30	Unbiased	0.163	0.1623	-0.0007
30	30	Unbiased	0.1627	0.1619	-0.0008
31	50	Biased	0.1623	0.1616	-0.0007
32	50	Biased	0.1627	0.1619	-0.0008
33	50	Biased	0.1621	0.1613	-0.0008
34	50	Biased	0.1612	0.1605	-0.0007
35	50	Biased	0.1657	0.165	-0.0007
36	50	Unbiased	0.165	0.1641	-0.0009
37	50	Unbiased	0.1619	0.161	-0.0009
38	50	Unbiased	0.1613	0.1604	-0.0009
39	50	Unbiased	0.1626	0.1617	-0.0009
40	50	Unbiased	0.1624	0.1616	-0.0008
41	100	Biased	0.1651	0.1639	-0.0012
42	100	Biased	0.1618	0.1603	-0.0015
43	100	Biased	0.1641	0.1626	-0.0015
44	100	Biased	0.1631	0.1615	-0.0016
45	100	Biased	0.1628	0.1613	-0.0015
46	100	Unbiased	0.1633	0.1618	-0.0015
47	100	Unbiased	0.1637	0.1623	-0.0014
48	100	Unbiased	0.1621	0.1607	-0.0014
49	100	Unbiased	0.1625	0.1609	-0.0016
50	100	Unbiased	0.1629	0.1613	-0.0016
51	0	Correlation	0.1625	0.1619	-0.0006
53	0	Correlation	0.164	0.1633	-0.0007
54	0	Correlation	0.1624	0.1619	-0.0005
55	0	Correlation	0.1643	0.1638	-0.0005
56	0	Correlation	0.1626	0.1619	-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	0.1624	0.16316	0.1643	0.00091269	0.1619	0.16256	0.1638	0.00092087	-0.0007	-0.0006	-0.0005	0.0001
3	0.1609	0.16242	0.1649	0.0012227	0.1601	0.16163	0.1641	0.0012248	-0.0009	-0.00079	-0.0006	9.9443e-05
10	0.1614	0.16311	0.1659	0.0016816	0.1607	0.16243	0.1653	0.0016991	-0.0008	-0.00068	-0.0006	7.8881e-05
30	0.1615	0.16316	0.1651	0.0011187	0.1607	0.16239	0.1643	0.001105	-0.0009	-0.00077	-0.0007	6.7495e-05
50	0.1612	0.16272	0.1657	0.0014816	0.1604	0.16191	0.165	0.0014925	-0.0009	-0.00081	-0.0007	8.756e-05
100	0.1618	0.16314	0.1651	0.00097548	0.1603	0.16166	0.1639	0.0010522	-0.0016	-0.00148	-0.0012	0.00012293

Device Test: 6.66; VOL_RESET_2MA_OD





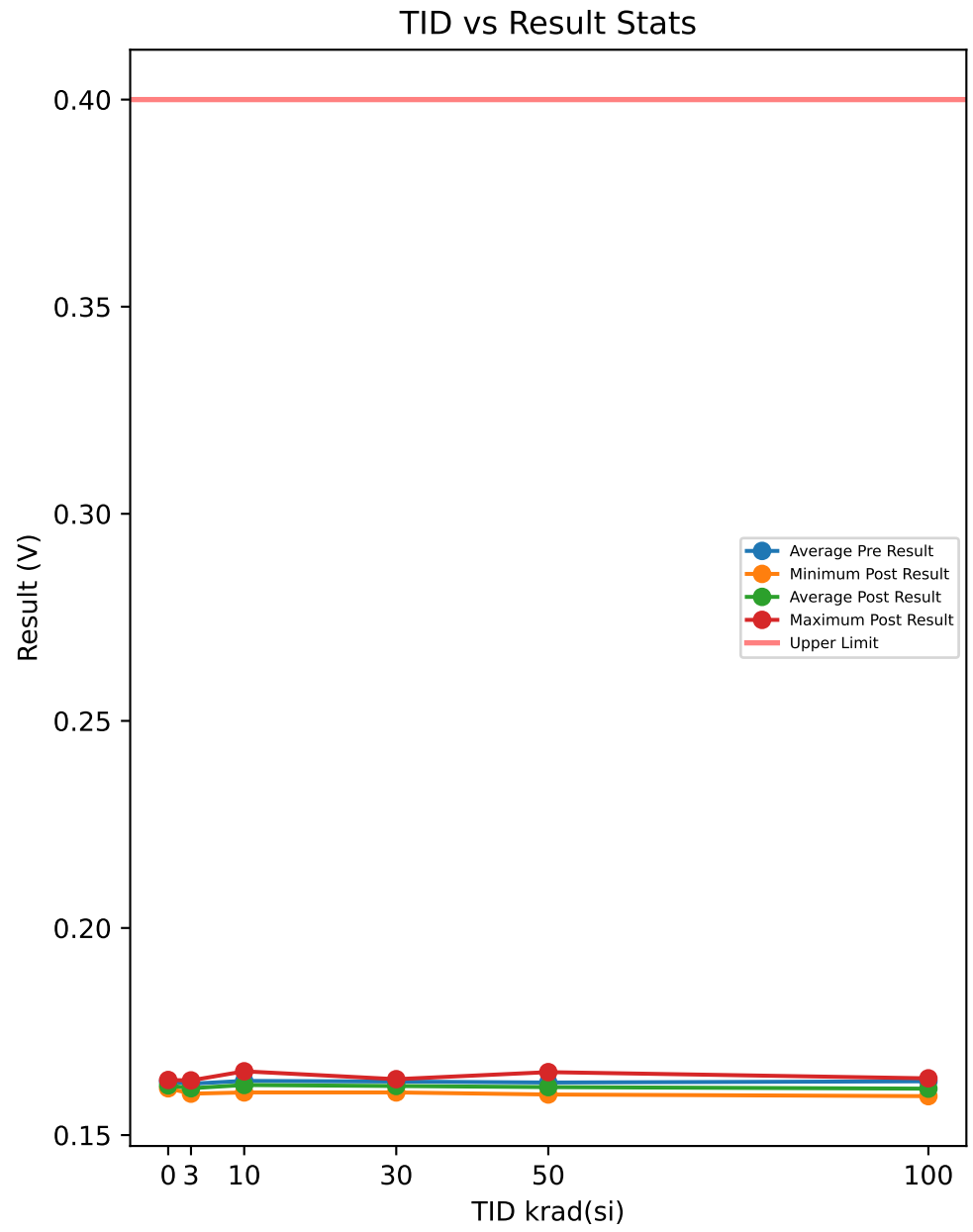
Test Results (Upper Limit = 0.4 (V))

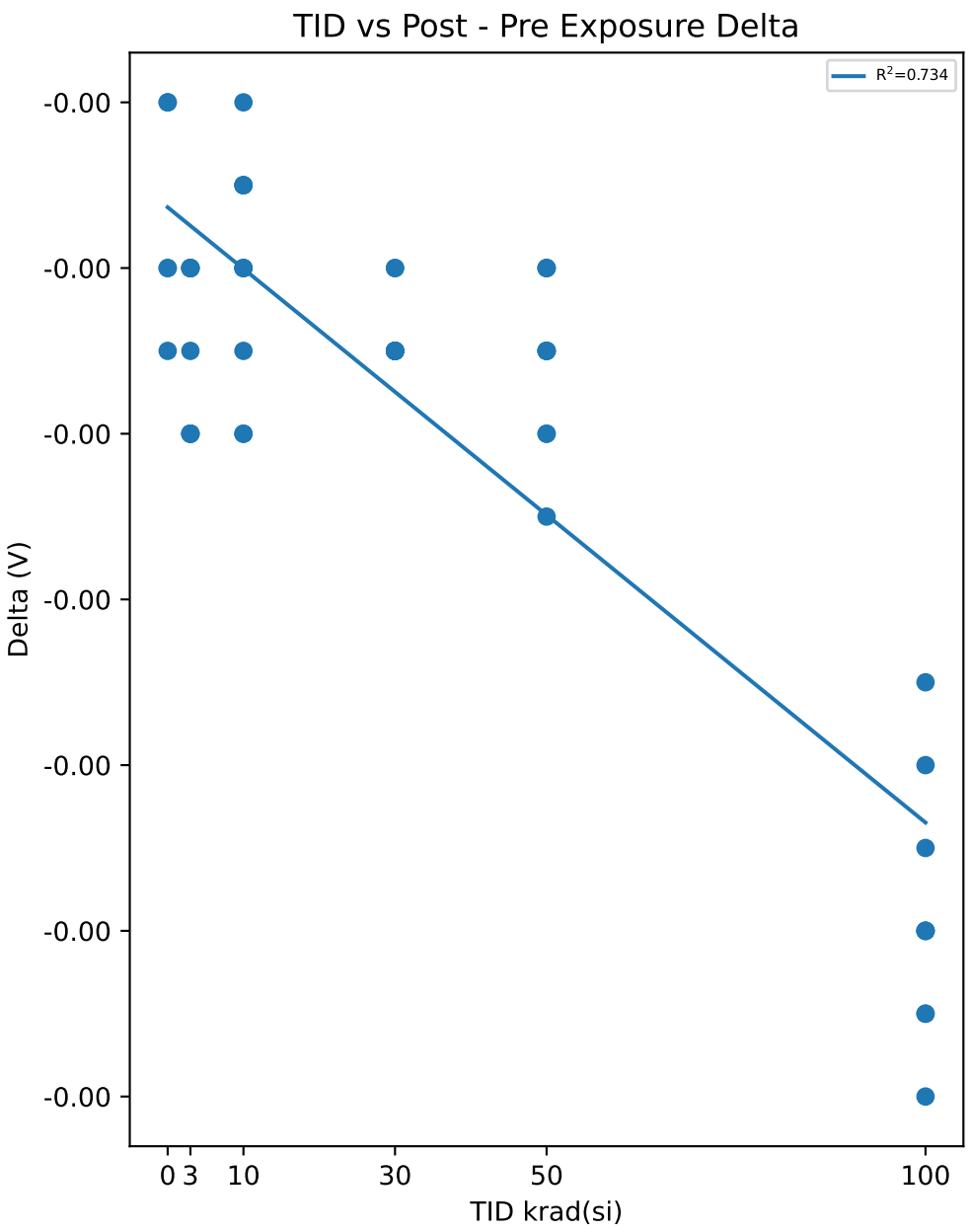
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.1638	0.1627	-0.0011
2	3	Biased	0.1646	0.1638	-0.0008
3	3	Biased	0.1617	0.1608	-0.0009
4	3	Biased	0.1618	0.1609	-0.0009
5	3	Biased	0.1627	0.1618	-0.0009
6	3	Unbiased	0.1629	0.1622	-0.0007
7	3	Unbiased	0.1624	0.1616	-0.0008
8	3	Unbiased	0.1606	0.1597	-0.0009
9	3	Unbiased	0.1613	0.1605	-0.0008
10	3	Unbiased	0.1619	0.1612	-0.0007
11	10	Biased	0.1614	0.1606	-0.0008
12	10	Biased	0.1656	0.1648	-0.0008
13	10	Biased	0.1625	0.1616	-0.0009
14	10	Biased	0.1624	0.1616	-0.0008
15	10	Biased	0.1623	0.1616	-0.0007
16	10	Unbiased	0.1614	0.1607	-0.0007
17	10	Unbiased	0.163	0.1622	-0.0008
18	10	Unbiased	0.1655	0.1646	-0.0009
19	10	Unbiased	0.1619	0.1613	-0.0006
20	10	Unbiased	0.1664	0.1655	-0.0009
21	30	Biased	0.1633	0.1623	-0.001
22	30	Biased	0.1635	0.1625	-0.001
23	30	Biased	0.1643	0.1635	-0.0008
24	30	Biased	0.1619	0.1612	-0.0007
25	30	Biased	0.162	0.1611	-0.0009
26	30	Unbiased	0.1644	0.1635	-0.0009
27	30	Unbiased	0.1612	0.1602	-0.001
28	30	Unbiased	0.1642	0.1633	-0.0009
29	30	Unbiased	0.1627	0.1619	-0.0008
30	30	Unbiased	0.1626	0.1618	-0.0008
31	50	Biased	0.1627	0.1619	-0.0008
32	50	Biased	0.1628	0.162	-0.0008
33	50	Biased	0.1621	0.1612	-0.0009
34	50	Biased	0.1612	0.1604	-0.0008
35	50	Biased	0.1651	0.1642	-0.0009
36	50	Unbiased	0.1647	0.1638	-0.0009
37	50	Unbiased	0.1617	0.1607	-0.001
38	50	Unbiased	0.1611	0.1602	-0.0009
39	50	Unbiased	0.1626	0.1617	-0.0009
40	50	Unbiased	0.1623	0.1613	-0.001
41	100	Biased	0.1654	0.164	-0.0014
42	100	Biased	0.1612	0.1596	-0.0016
43	100	Biased	0.1645	0.1628	-0.0017
44	100	Biased	0.1622	0.1605	-0.0017
45	100	Biased	0.1625	0.1609	-0.0016
46	100	Unbiased	0.1628	0.1611	-0.0017
47	100	Unbiased	0.1634	0.1619	-0.0015
48	100	Unbiased	0.1615	0.16	-0.0015
49	100	Unbiased	0.1631	0.1615	-0.0016
50	100	Unbiased	0.162	0.1604	-0.0016
51	0	Correlation	0.1619	0.1612	-0.0007
53	0	Correlation	0.1635	0.1629	-0.0006
54	0	Correlation	0.1623	0.1616	-0.0007
55	0	Correlation	0.1642	0.1635	-0.0007
56	0	Correlation	0.1622	0.1615	-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	0.1619	0.16282	0.1642	0.00098336	0.1612	0.16214	0.1635	0.0010015	-0.0007	-0.00068	-0.0006	4.4721e-05
3	0.1606	0.16237	0.1646	0.001187	0.1597	0.16152	0.1638	0.0011783	-0.0011	-0.00085	-0.0007	0.00011785
10	0.1614	0.16324	0.1664	0.0018686	0.1606	0.16245	0.1655	0.00181	-0.0009	-0.00079	-0.0006	9.9443e-05
30	0.1612	0.16301	0.1644	0.001112	0.1602	0.16213	0.1635	0.0011106	-0.001	-0.00088	-0.0007	0.00010328
50	0.1611	0.16263	0.1651	0.0013359	0.1602	0.16174	0.1642	0.0013385	-0.001	-0.00089	-0.0008	7.3786e-05
100	0.1612	0.16286	0.1654	0.0013083	0.1596	0.16127	0.164	0.00134	-0.0017	-0.00159	-0.0014	9.9443e-05

Device Test: 6.67; VOL_RESET_2MA_OD





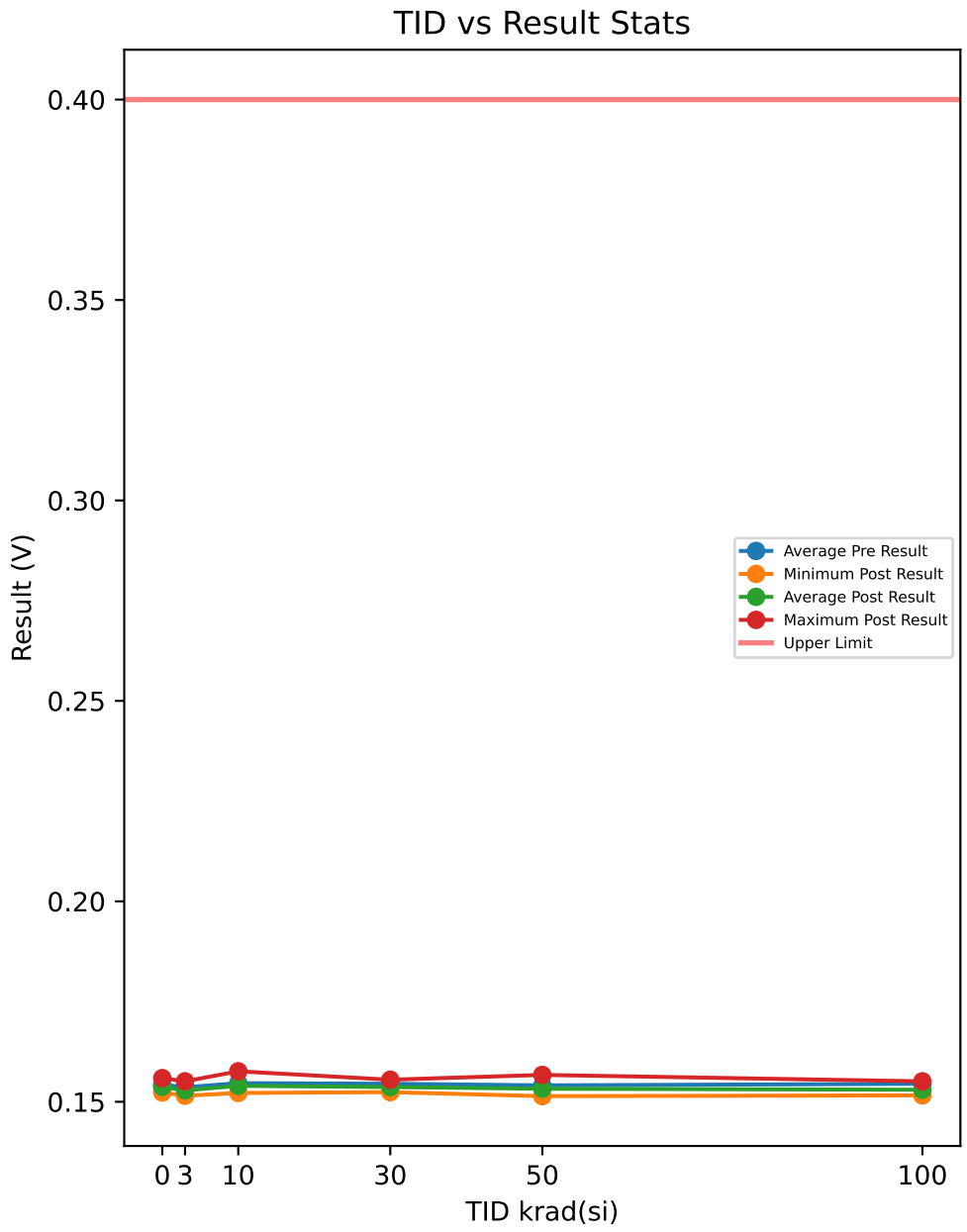
Test Results (Upper Limit = 0.4 (V))

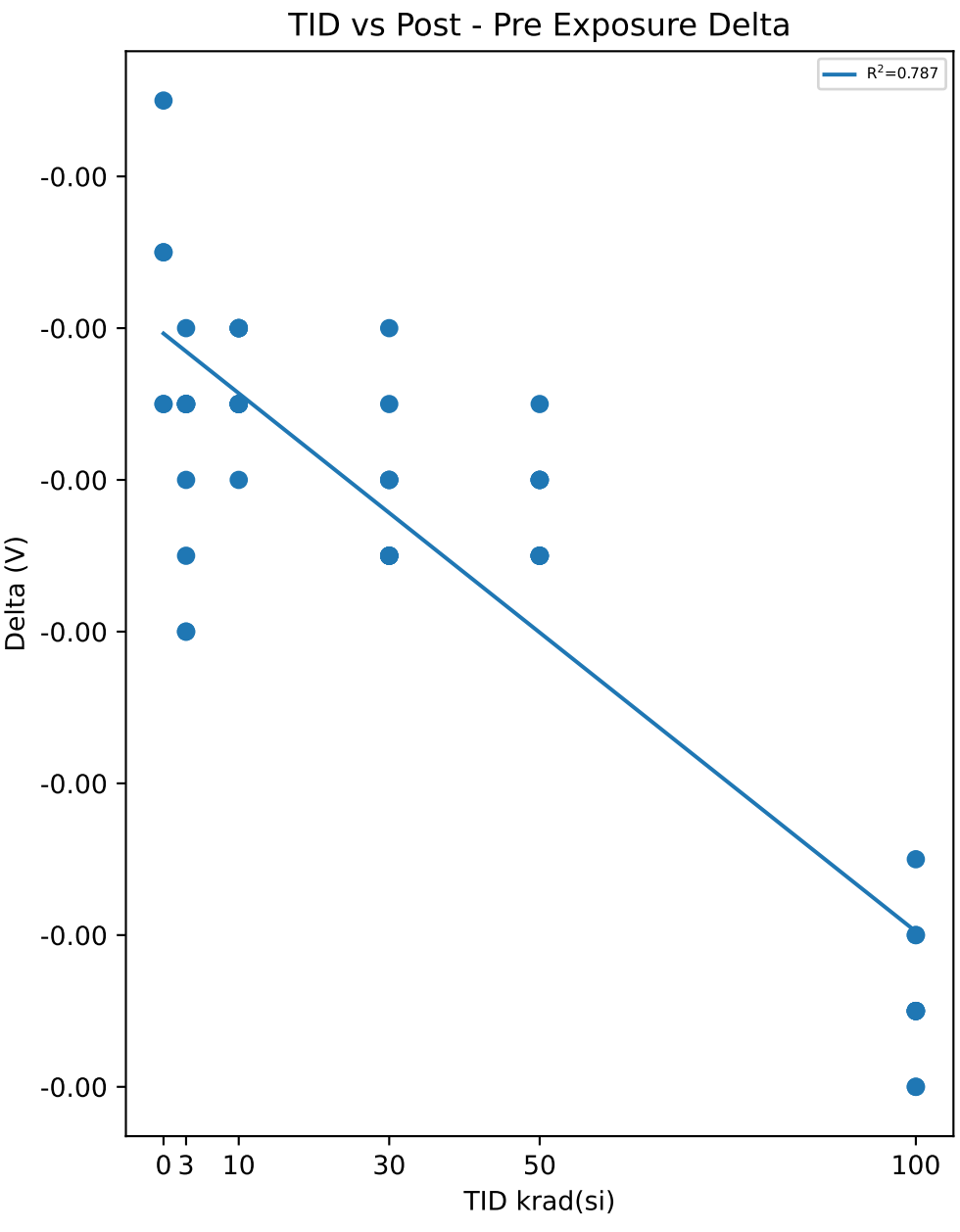
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.1639	0.1627	-0.0012
2	3	Biased	0.1644	0.1632	-0.0012
3	3	Biased	0.1619	0.1607	-0.0012
4	3	Biased	0.1617	0.1607	-0.001
5	3	Biased	0.1628	0.1616	-0.0012
6	3	Unbiased	0.163	0.162	-0.001
7	3	Unbiased	0.162	0.161	-0.001
8	3	Unbiased	0.1611	0.16	-0.0011
9	3	Unbiased	0.1615	0.1605	-0.001
10	3	Unbiased	0.1617	0.1607	-0.001
11	10	Biased	0.1612	0.1603	-0.0009
12	10	Biased	0.1656	0.1647	-0.0009
13	10	Biased	0.1625	0.1613	-0.0012
14	10	Biased	0.1622	0.161	-0.0012
15	10	Biased	0.162	0.1609	-0.0011
16	10	Unbiased	0.1616	0.1606	-0.001
17	10	Unbiased	0.1628	0.1618	-0.001
18	10	Unbiased	0.1652	0.1642	-0.001
19	10	Unbiased	0.1616	0.1607	-0.0009
20	10	Unbiased	0.1662	0.1654	-0.0008
21	30	Biased	0.1626	0.1616	-0.001
22	30	Biased	0.1632	0.1621	-0.0011
23	30	Biased	0.1643	0.1632	-0.0011
24	30	Biased	0.1613	0.1603	-0.001
25	30	Biased	0.1622	0.1611	-0.0011
26	30	Unbiased	0.1641	0.163	-0.0011
27	30	Unbiased	0.1615	0.1604	-0.0011
28	30	Unbiased	0.1646	0.1635	-0.0011
29	30	Unbiased	0.1629	0.1618	-0.0011
30	30	Unbiased	0.1626	0.1615	-0.0011
31	50	Biased	0.1622	0.161	-0.0012
32	50	Biased	0.163	0.162	-0.001
33	50	Biased	0.1616	0.1605	-0.0011
34	50	Biased	0.1611	0.1598	-0.0013
35	50	Biased	0.1662	0.1652	-0.001
36	50	Unbiased	0.1652	0.1641	-0.0011
37	50	Unbiased	0.1617	0.1606	-0.0011
38	50	Unbiased	0.1612	0.1601	-0.0011
39	50	Unbiased	0.1628	0.1618	-0.001
40	50	Unbiased	0.1619	0.1607	-0.0012
41	100	Biased	0.1653	0.1637	-0.0016
42	100	Biased	0.1612	0.1594	-0.0018
43	100	Biased	0.1645	0.1626	-0.0019
44	100	Biased	0.1629	0.1609	-0.002
45	100	Biased	0.163	0.1611	-0.0019
46	100	Unbiased	0.1628	0.1611	-0.0017
47	100	Unbiased	0.1635	0.162	-0.0015
48	100	Unbiased	0.1614	0.1596	-0.0018
49	100	Unbiased	0.1627	0.1609	-0.0018
50	100	Unbiased	0.1626	0.1608	-0.0018
51	0	Correlation	0.1623	0.1613	-0.001
53	0	Correlation	0.1634	0.1626	-0.0008
54	0	Correlation	0.1623	0.1615	-0.0008
55	0	Correlation	0.1644	0.1633	-0.0011
56	0	Correlation	0.1623	0.1613	-0.001

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.1623	0.16294	0.1644	0.00094499	0.1613	0.162	0.1633	0.00090554	-0.0011	-0.00094	-0.0008	0.00013416
3	0.1611	0.1624	0.1644	0.0010883	0.16	0.16131	0.1632	0.0010354	-0.0012	-0.00109	-0.001	9.9443e-05
10	0.1612	0.16309	0.1662	0.0018514	0.1603	0.16209	0.1654	0.0019116	-0.0012	-0.001	-0.0008	0.00013333
30	0.1613	0.16293	0.1646	0.0011334	0.1603	0.16185	0.1635	0.0011148	-0.0011	-0.00108	-0.001	4.2164e-05
50	0.1611	0.16269	0.1662	0.0017162	0.1598	0.16158	0.1652	0.0017725	-0.0013	-0.00111	-0.001	9.9443e-05
100	0.1612	0.16299	0.1653	0.0012423	0.1594	0.16121	0.1637	0.0012914	-0.002	-0.00178	-0.0015	0.00014757

Device Test: 6.68; VOL_WDO_2MA_OD





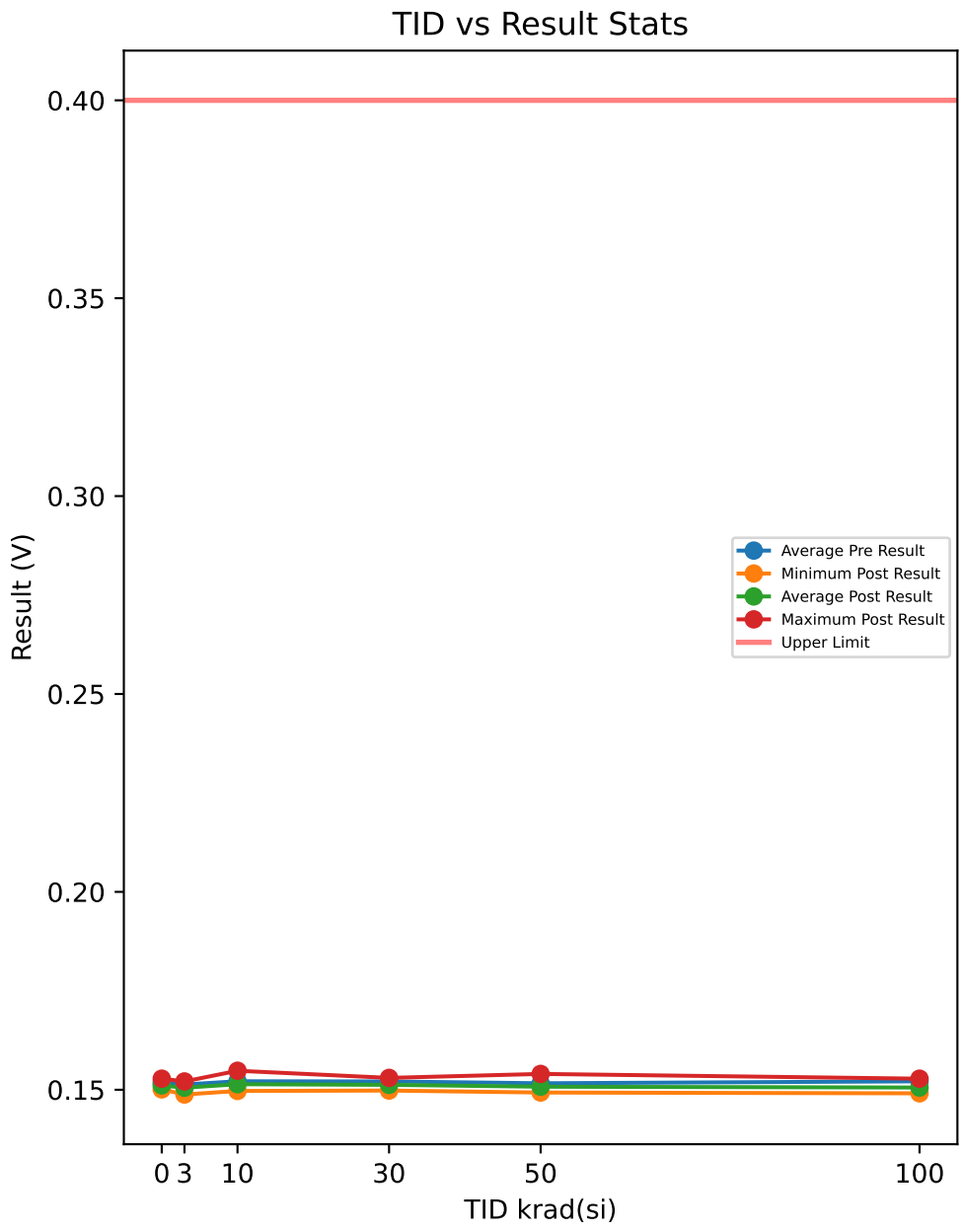
Test Results (Upper Limit = 0.4 (V))

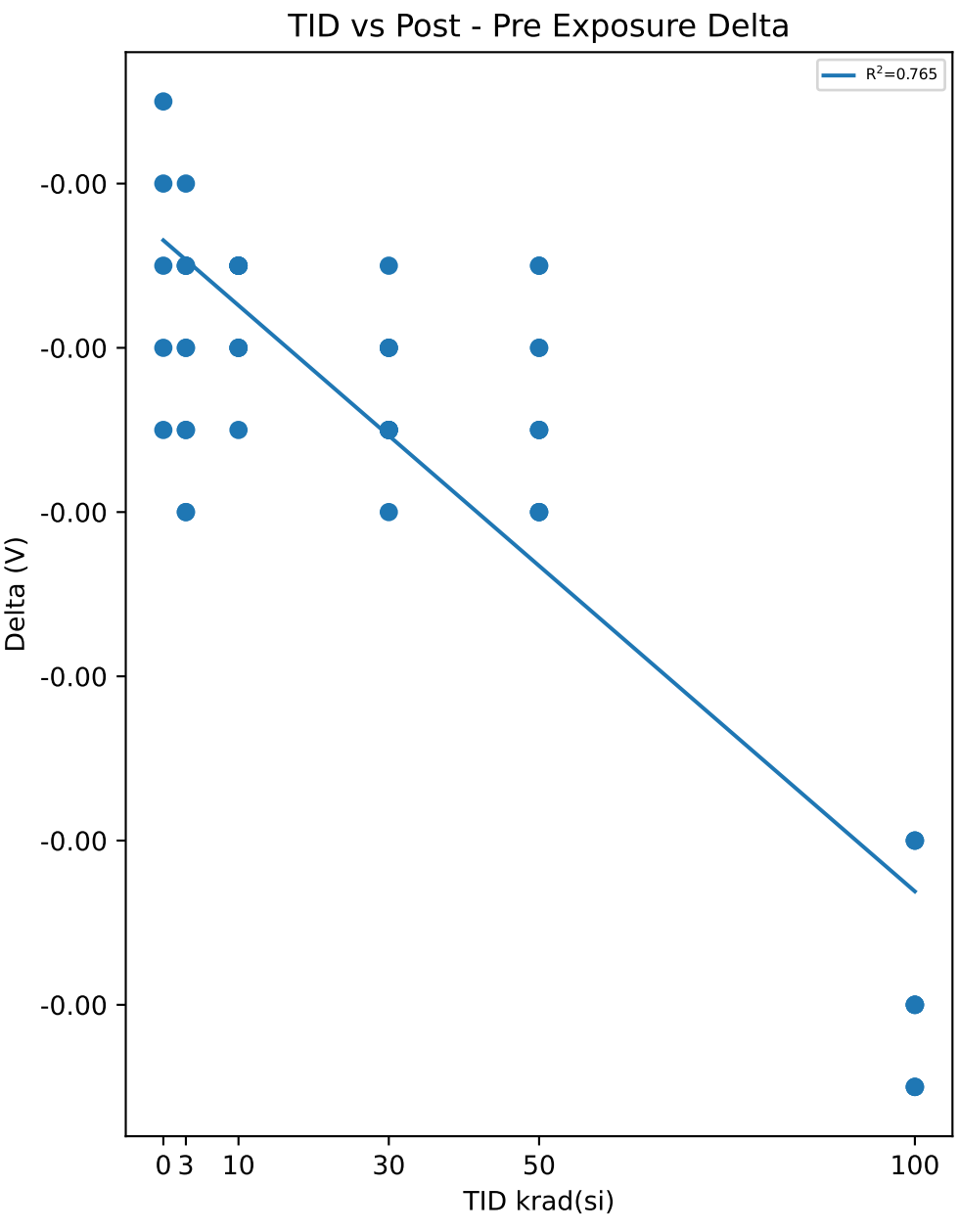
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.1548	0.1538	-0.001
2	3	Biased	0.1559	0.1551	-0.0008
3	3	Biased	0.1527	0.1517	-0.001
4	3	Biased	0.153	0.1521	-0.0009
5	3	Biased	0.1541	0.1534	-0.0007
6	3	Unbiased	0.1537	0.153	-0.0007
7	3	Unbiased	0.1538	0.1532	-0.0006
8	3	Unbiased	0.1522	0.1515	-0.0007
9	3	Unbiased	0.1522	0.1515	-0.0007
10	3	Unbiased	0.1537	0.153	-0.0007
11	10	Biased	0.1529	0.1522	-0.0007
12	10	Biased	0.1576	0.1569	-0.0007
13	10	Biased	0.1538	0.1532	-0.0006
14	10	Biased	0.1534	0.1527	-0.0007
15	10	Biased	0.1535	0.1527	-0.0008
16	10	Unbiased	0.1532	0.1525	-0.0007
17	10	Unbiased	0.154	0.1534	-0.0006
18	10	Unbiased	0.1569	0.1563	-0.0006
19	10	Unbiased	0.1529	0.1522	-0.0007
20	10	Unbiased	0.1582	0.1576	-0.0006
21	30	Biased	0.1544	0.1535	-0.0009
22	30	Biased	0.1546	0.1537	-0.0009
23	30	Biased	0.1554	0.1547	-0.0007
24	30	Biased	0.1535	0.1529	-0.0006
25	30	Biased	0.1535	0.1527	-0.0008
26	30	Unbiased	0.1563	0.1555	-0.0008
27	30	Unbiased	0.1533	0.1524	-0.0009
28	30	Unbiased	0.1563	0.1554	-0.0009
29	30	Unbiased	0.1541	0.1533	-0.0008
30	30	Unbiased	0.1535	0.1526	-0.0009
31	50	Biased	0.1531	0.1524	-0.0007
32	50	Biased	0.1537	0.1529	-0.0008
33	50	Biased	0.1529	0.1521	-0.0008
34	50	Biased	0.1523	0.1514	-0.0009
35	50	Biased	0.1575	0.1567	-0.0008
36	50	Unbiased	0.1573	0.1565	-0.0008
37	50	Unbiased	0.1528	0.1519	-0.0009
38	50	Unbiased	0.1529	0.152	-0.0009
39	50	Unbiased	0.1546	0.1537	-0.0009
40	50	Unbiased	0.1538	0.1529	-0.0009
41	100	Biased	0.1558	0.1545	-0.0013
42	100	Biased	0.1533	0.1518	-0.0015
43	100	Biased	0.1566	0.1551	-0.0015
44	100	Biased	0.1535	0.152	-0.0015
45	100	Biased	0.1544	0.153	-0.0014
46	100	Unbiased	0.1548	0.1533	-0.0015
47	100	Unbiased	0.1558	0.1542	-0.0016
48	100	Unbiased	0.153	0.1516	-0.0014
49	100	Unbiased	0.1539	0.1524	-0.0015
50	100	Unbiased	0.1537	0.1521	-0.0016
51	0	Correlation	0.153	0.1523	-0.0007
53	0	Correlation	0.155	0.1545	-0.0005
54	0	Correlation	0.1537	0.1532	-0.0005
55	0	Correlation	0.1562	0.1559	-0.0003
56	0	Correlation	0.1534	0.1527	-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	0.153	0.15426	0.1562	0.0013183	0.1523	0.15372	0.1559	0.0014738	-0.0007	-0.00054	-0.0003	0.00016733
3	0.1522	0.15361	0.1559	0.0011609	0.1515	0.15283	0.1551	0.0011528	-0.001	-0.00078	-0.0006	0.00013984
10	0.1529	0.15464	0.1582	0.0020716	0.1522	0.15397	0.1576	0.0021019	-0.0008	-0.00067	-0.0006	6.7495e-05
30	0.1533	0.15449	0.1563	0.0011503	0.1524	0.15367	0.1555	0.001148	-0.0009	-0.00082	-0.0006	0.00010328
50	0.1523	0.15409	0.1575	0.0018592	0.1514	0.15325	0.1567	0.0018787	-0.0009	-0.00084	-0.0007	6.9921e-05
100	0.153	0.15448	0.1566	0.0012282	0.1516	0.153	0.1551	0.0012365	-0.0016	-0.00148	-0.0013	9.1894e-05

Device Test: 6.69; VOL_PWRGD_2MA_OD





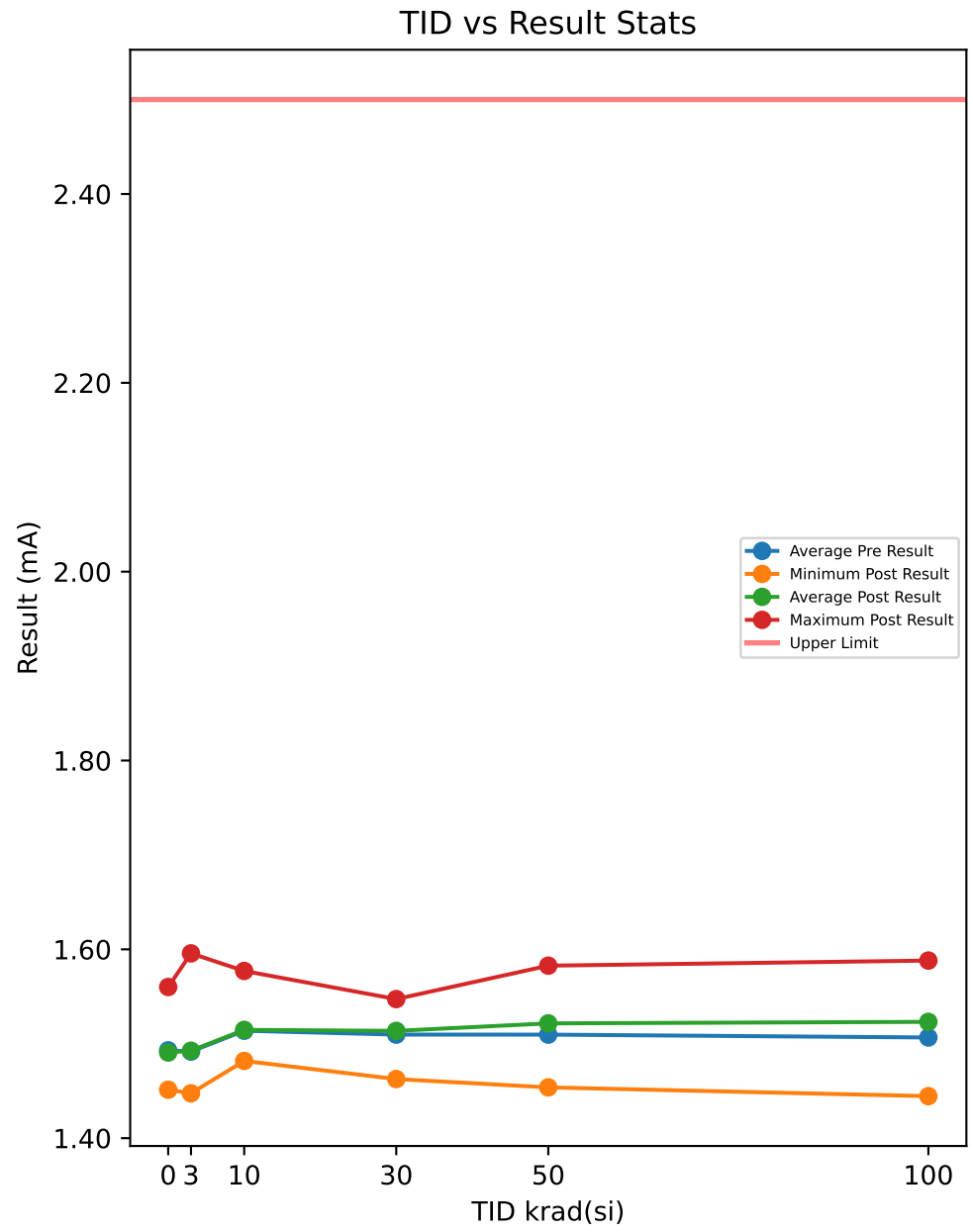
Test Results (Upper Limit = 0.4 (V))

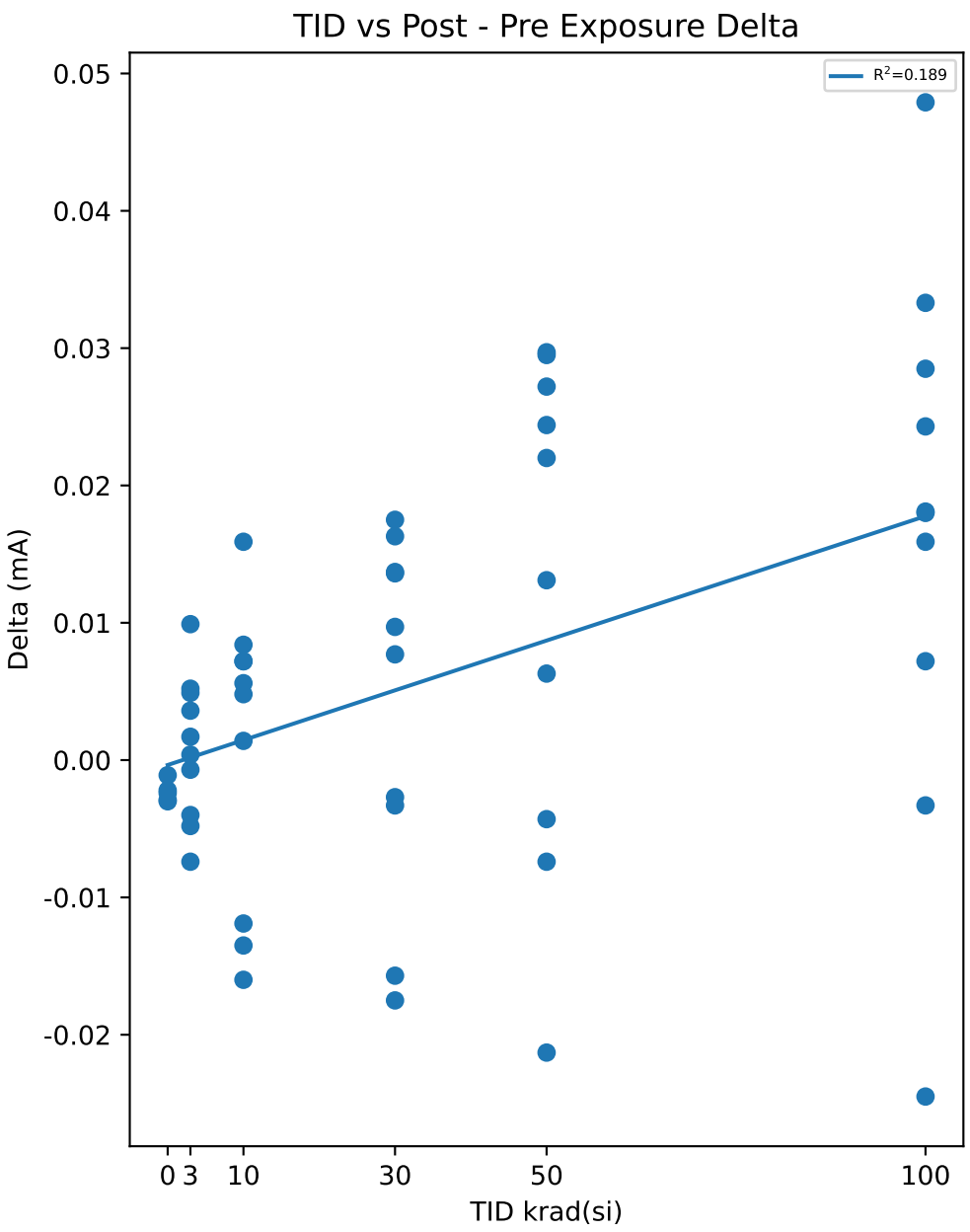
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.1527	0.1517	-0.001
2	3	Biased	0.153	0.1521	-0.0009
3	3	Biased	0.1506	0.1496	-0.001
4	3	Biased	0.1509	0.15	-0.0009
5	3	Biased	0.1518	0.151	-0.0008
6	3	Unbiased	0.1517	0.1509	-0.0008
7	3	Unbiased	0.152	0.1513	-0.0007
8	3	Unbiased	0.1495	0.1488	-0.0007
9	3	Unbiased	0.1501	0.1494	-0.0007
10	3	Unbiased	0.1509	0.1503	-0.0006
11	10	Biased	0.1505	0.1497	-0.0008
12	10	Biased	0.1553	0.1545	-0.0008
13	10	Biased	0.1515	0.1506	-0.0009
14	10	Biased	0.151	0.1502	-0.0008
15	10	Biased	0.1507	0.15	-0.0007
16	10	Unbiased	0.1504	0.1497	-0.0007
17	10	Unbiased	0.1516	0.1509	-0.0007
18	10	Unbiased	0.1544	0.1537	-0.0007
19	10	Unbiased	0.1506	0.1499	-0.0007
20	10	Unbiased	0.1555	0.1548	-0.0007
21	30	Biased	0.152	0.1511	-0.0009
22	30	Biased	0.1523	0.1514	-0.0009
23	30	Biased	0.1526	0.1518	-0.0008
24	30	Biased	0.151	0.1503	-0.0007
25	30	Biased	0.1514	0.1506	-0.0008
26	30	Unbiased	0.1538	0.1528	-0.001
27	30	Unbiased	0.1507	0.1498	-0.0009
28	30	Unbiased	0.1539	0.153	-0.0009
29	30	Unbiased	0.1518	0.1509	-0.0009
30	30	Unbiased	0.1515	0.1507	-0.0008
31	50	Biased	0.1511	0.1504	-0.0007
32	50	Biased	0.1516	0.1508	-0.0008
33	50	Biased	0.151	0.1502	-0.0008
34	50	Biased	0.15	0.1493	-0.0007
35	50	Biased	0.1549	0.154	-0.0009
36	50	Unbiased	0.1542	0.1533	-0.0009
37	50	Unbiased	0.1504	0.1494	-0.001
38	50	Unbiased	0.1502	0.1493	-0.0009
39	50	Unbiased	0.1517	0.1507	-0.001
40	50	Unbiased	0.1513	0.1503	-0.001
41	100	Biased	0.1536	0.1522	-0.0014
42	100	Biased	0.1505	0.1491	-0.0014
43	100	Biased	0.1544	0.1528	-0.0016
44	100	Biased	0.1513	0.1497	-0.0016
45	100	Biased	0.1522	0.1505	-0.0017
46	100	Unbiased	0.1522	0.1505	-0.0017
47	100	Unbiased	0.1538	0.1522	-0.0016
48	100	Unbiased	0.1505	0.1491	-0.0014
49	100	Unbiased	0.1515	0.1499	-0.0016
50	100	Unbiased	0.1513	0.1496	-0.0017
51	0	Correlation	0.1506	0.1501	-0.0005
53	0	Correlation	0.152	0.1513	-0.0007
54	0	Correlation	0.1516	0.1508	-0.0008
55	0	Correlation	0.1534	0.1528	-0.0006
56	0	Correlation	0.1514	0.1505	-0.0009

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	0.1506	0.1518	0.1534	0.0010296	0.1501	0.1511	0.1528	0.0010464	-0.0009	-0.0007	-0.0005	0.00015811
3	0.1495	0.15132	0.153	0.0011173	0.1488	0.15051	0.1521	0.0010671	-0.001	-0.00081	-0.0006	0.00013703
10	0.1504	0.15215	0.1555	0.0020695	0.1497	0.1514	0.1548	0.0020758	-0.0009	-0.00075	-0.0007	7.0711e-05
30	0.1507	0.1521	0.1539	0.0010822	0.1498	0.15124	0.153	0.0010362	-0.001	-0.00086	-0.0007	8.4327e-05
50	0.15	0.15164	0.1549	0.0016433	0.1493	0.15077	0.154	0.0016235	-0.001	-0.00087	-0.0007	0.00011595
100	0.1505	0.15213	0.1544	0.0013825	0.1491	0.15056	0.1528	0.0013648	-0.0017	-0.00157	-0.0014	0.00012517

Device Test: 6.7; IQ





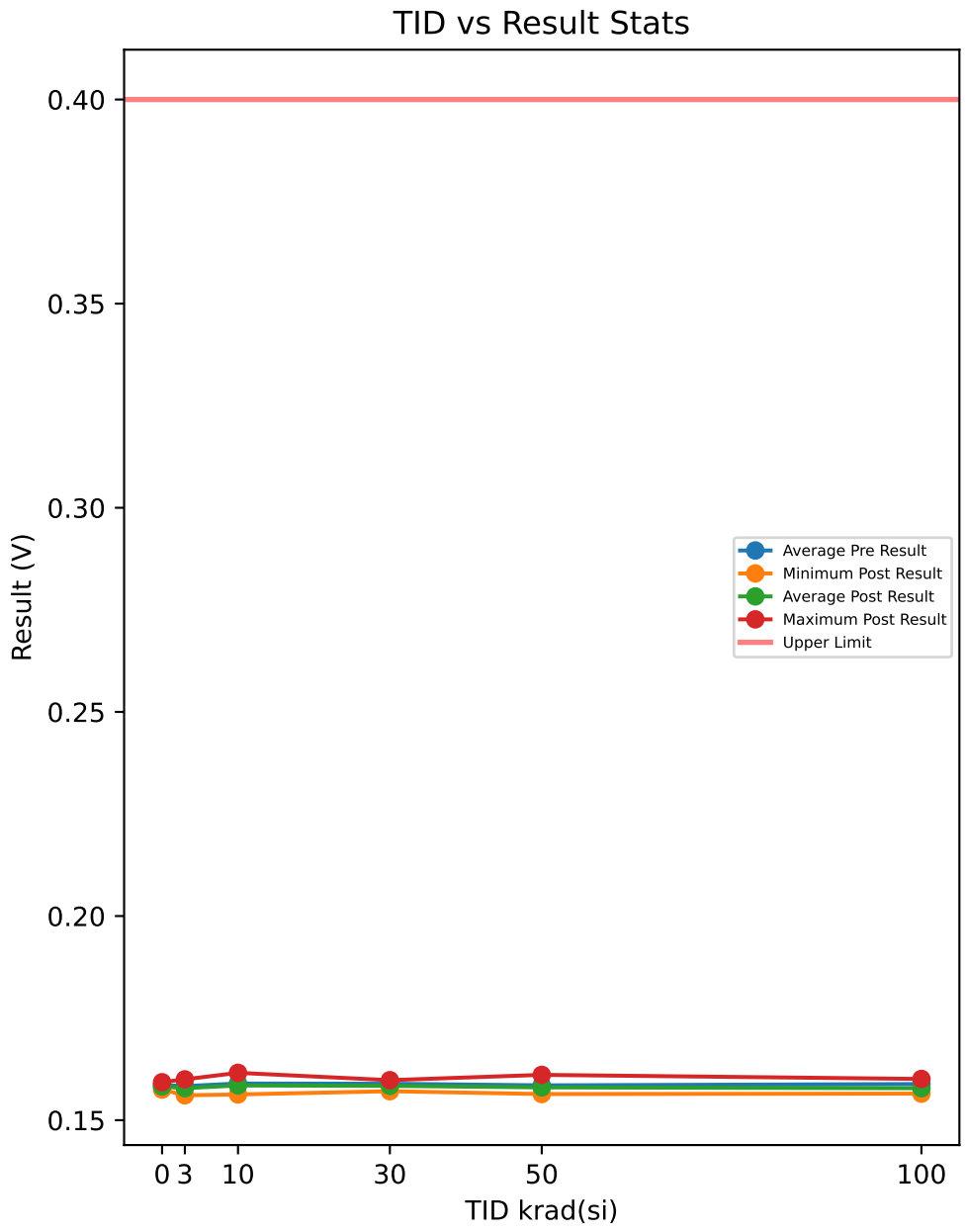
Test Results (Upper Limit = 2.5 (mA))

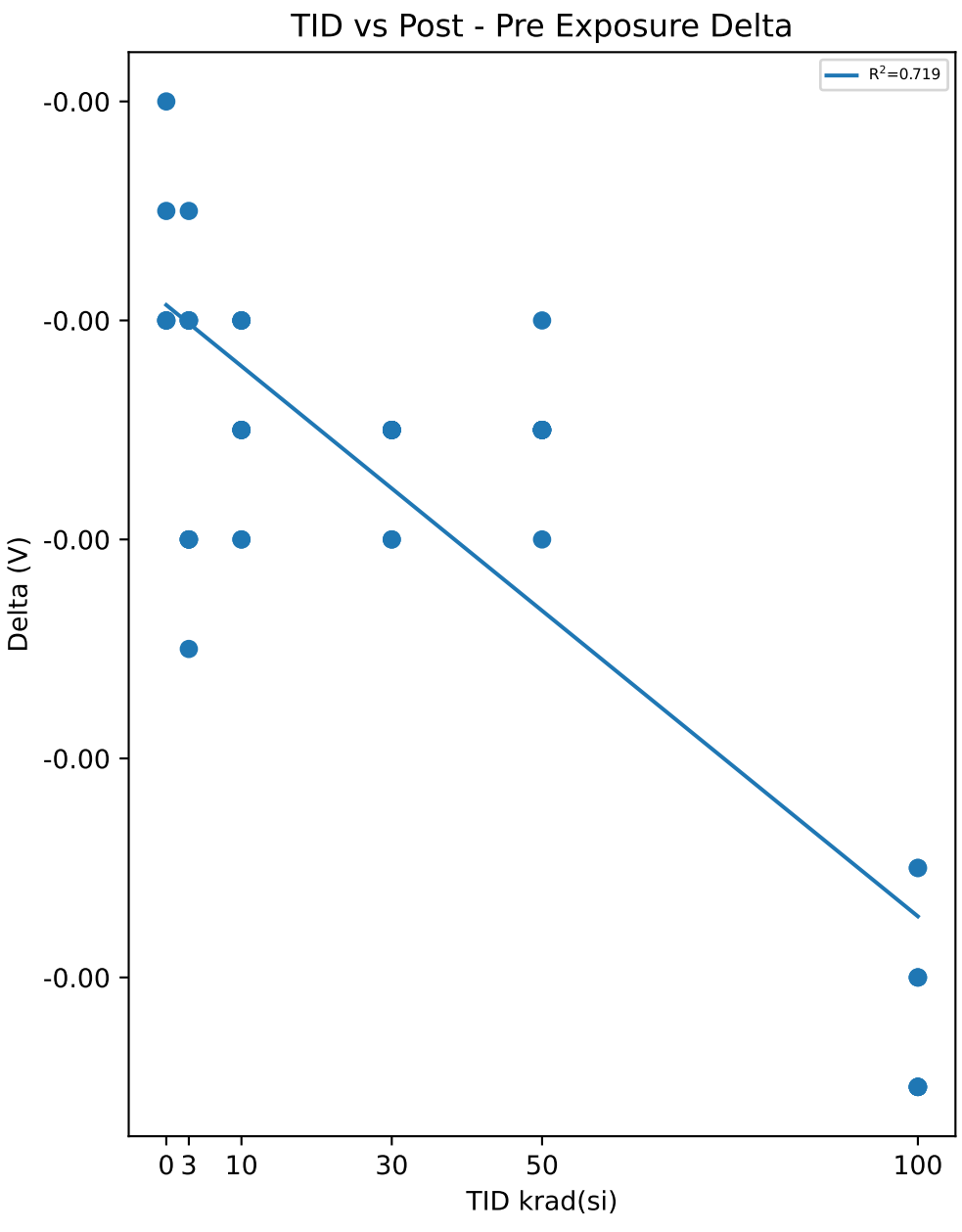
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.5039	1.4991	-0.0048
2	3	Biased	1.4854	1.4953	0.0099
3	3	Biased	1.4687	1.4691	0.0004
4	3	Biased	1.5082	1.5008	-0.0074
5	3	Biased	1.4675	1.4711	0.0036
6	3	Unbiased	1.4515	1.4475	-0.004
7	3	Unbiased	1.4927	1.4979	0.0052
8	3	Unbiased	1.4573	1.4566	-0.0007
9	3	Unbiased	1.5908	1.5957	0.0049
10	3	Unbiased	1.4913	1.493	0.0017
11	10	Biased	1.5027	1.4867	-0.016
12	10	Biased	1.5103	1.5117	0.0014
13	10	Biased	1.5011	1.5059	0.0048
14	10	Biased	1.5463	1.5344	-0.0119
15	10	Biased	1.4801	1.4857	0.0056
16	10	Unbiased	1.5072	1.5144	0.0072
17	10	Unbiased	1.4953	1.4818	-0.0135
18	10	Unbiased	1.5687	1.5771	0.0084
19	10	Unbiased	1.5004	1.5076	0.0072
20	10	Unbiased	1.5259	1.5418	0.0159
21	30	Biased	1.4549	1.4686	0.0137
22	30	Biased	1.532	1.5456	0.0136
23	30	Biased	1.4913	1.5088	0.0175
24	30	Biased	1.4959	1.4926	-0.0033
25	30	Biased	1.5443	1.5416	-0.0027
26	30	Unbiased	1.5214	1.5311	0.0097
27	30	Unbiased	1.5235	1.506	-0.0175
28	30	Unbiased	1.5158	1.5321	0.0163
29	30	Unbiased	1.4783	1.4626	-0.0157
30	30	Unbiased	1.5396	1.5473	0.0077
31	50	Biased	1.476	1.4891	0.0131
32	50	Biased	1.5029	1.5249	0.022
33	50	Biased	1.4984	1.5279	0.0295
34	50	Biased	1.5461	1.5733	0.0272
35	50	Biased	1.4529	1.4826	0.0297
36	50	Unbiased	1.524	1.5027	-0.0213
37	50	Unbiased	1.4294	1.4538	0.0244
38	50	Unbiased	1.4926	1.4989	0.0063
39	50	Unbiased	1.5901	1.5827	-0.0074
40	50	Unbiased	1.5843	1.58	-0.0043
41	100	Biased	1.4202	1.4445	0.0243
42	100	Biased	1.5117	1.4872	-0.0245
43	100	Biased	1.4641	1.512	0.0479
44	100	Biased	1.5809	1.5881	0.0072
45	100	Biased	1.4766	1.4947	0.0181
46	100	Unbiased	1.5221	1.538	0.0159
47	100	Unbiased	1.5195	1.548	0.0285
48	100	Unbiased	1.5117	1.545	0.0333
49	100	Unbiased	1.5817	1.5784	-0.0033
50	100	Unbiased	1.478	1.496	0.018
51	0	Correlation	1.4583	1.4554	-0.0029
53	0	Correlation	1.4543	1.4513	-0.003
54	0	Correlation	1.497	1.4948	-0.0022
55	0	Correlation	1.5612	1.5601	-0.0011
56	0	Correlation	1.4943	1.4919	-0.0024

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	1.4543	1.493	1.5612	0.042926	1.4513	1.4907	1.5601	0.043684	-0.003	-0.00232	-0.0011	0.00075961
3	1.4515	1.4917	1.5908	0.039717	1.4475	1.4926	1.5957	0.040987	-0.0074	0.00088	0.0099	0.0052875
10	1.4801	1.5138	1.5687	0.026277	1.4818	1.5147	1.5771	0.029553	-0.016	0.00091	0.0159	0.010827
30	1.4549	1.5097	1.5443	0.028812	1.4626	1.5136	1.5473	0.031163	-0.0175	0.00393	0.0175	0.012972
50	1.4294	1.5097	1.5901	0.052531	1.4538	1.5216	1.5827	0.044614	-0.0213	0.01192	0.0297	0.017916
100	1.4202	1.5067	1.5817	0.05012	1.4445	1.5232	1.5881	0.044392	-0.0245	0.01654	0.0479	0.020105

Device Test: 6.70; VOL_RESET_2MA_OD





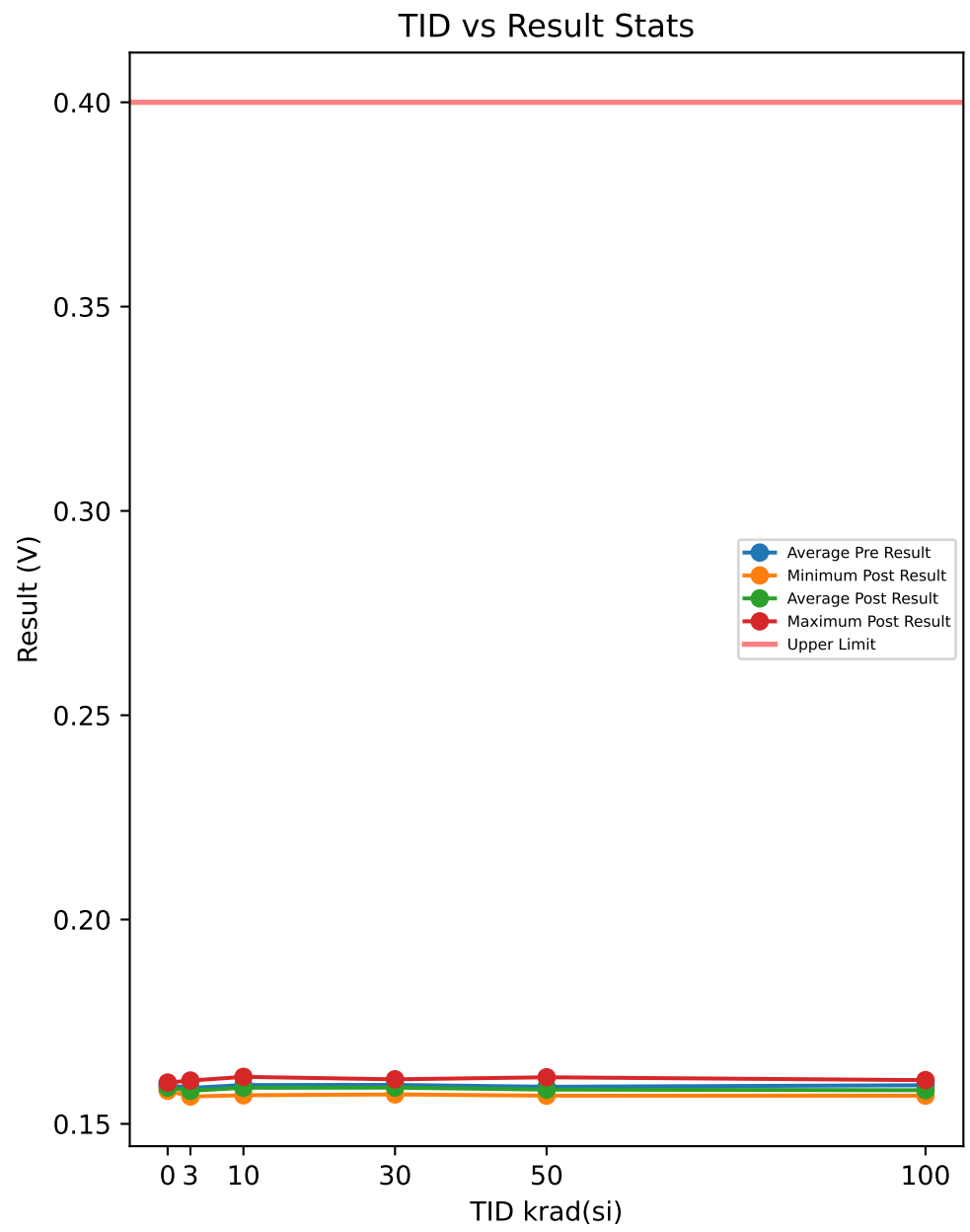
Test Results (Upper Limit = 0.4 (V))

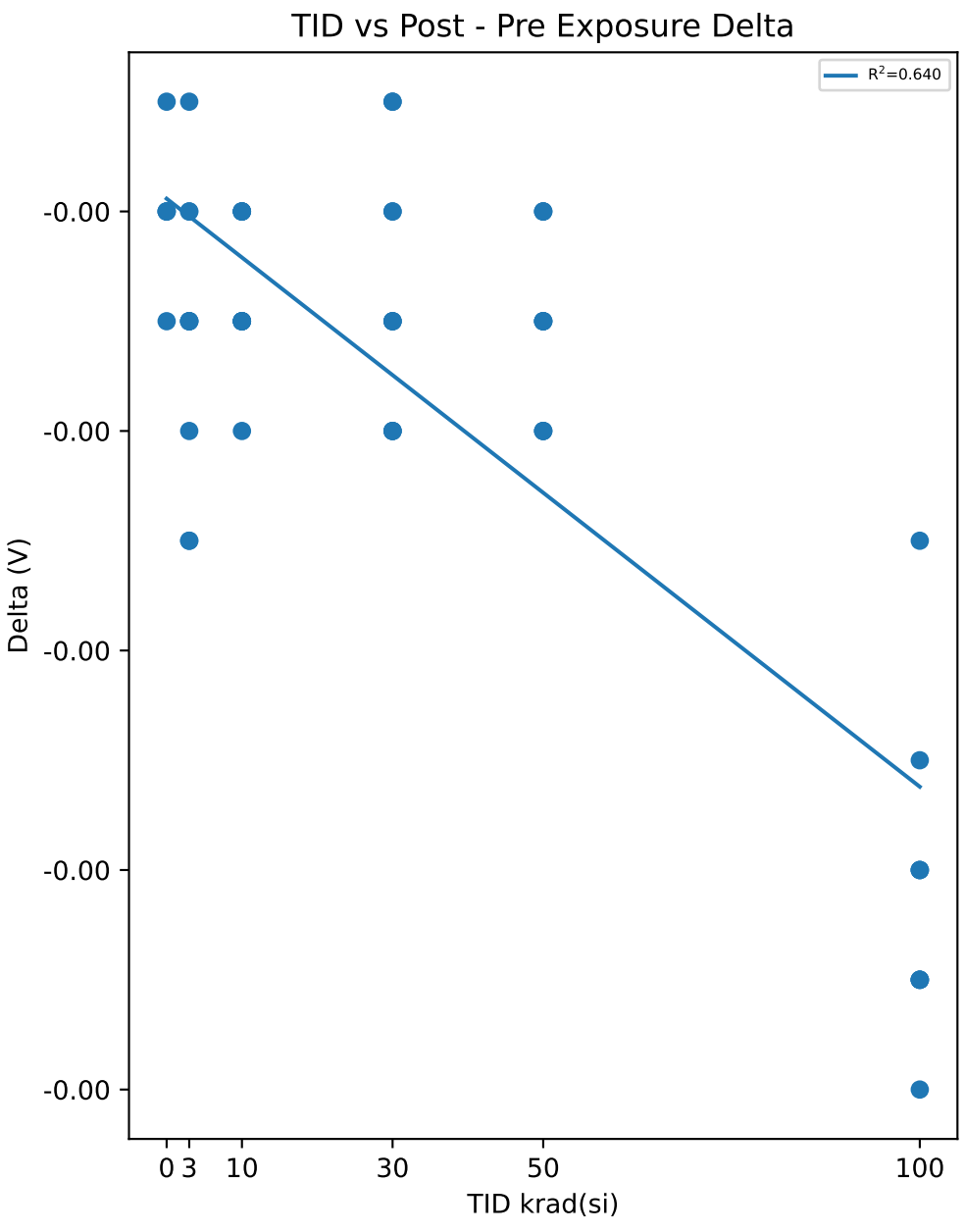
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.1596	0.1589	-0.0007
2	3	Biased	0.1606	0.16	-0.0006
3	3	Biased	0.1581	0.1575	-0.0006
4	3	Biased	0.158	0.1574	-0.0006
5	3	Biased	0.1582	0.1578	-0.0004
6	3	Unbiased	0.1586	0.1582	-0.0004
7	3	Unbiased	0.1586	0.1582	-0.0004
8	3	Unbiased	0.157	0.1566	-0.0004
9	3	Unbiased	0.1567	0.1561	-0.0006
10	3	Unbiased	0.158	0.1577	-0.0003
11	10	Biased	0.1569	0.1563	-0.0006
12	10	Biased	0.1622	0.1616	-0.0006
13	10	Biased	0.1585	0.158	-0.0005
14	10	Biased	0.1579	0.1574	-0.0005
15	10	Biased	0.1582	0.1578	-0.0004
16	10	Unbiased	0.1578	0.1574	-0.0004
17	10	Unbiased	0.1584	0.158	-0.0004
18	10	Unbiased	0.1609	0.1604	-0.0005
19	10	Unbiased	0.1576	0.1571	-0.0005
20	10	Unbiased	0.1614	0.161	-0.0004
21	30	Biased	0.1591	0.1585	-0.0006
22	30	Biased	0.1587	0.1582	-0.0005
23	30	Biased	0.1604	0.1598	-0.0006
24	30	Biased	0.1579	0.1574	-0.0005
25	30	Biased	0.1577	0.1572	-0.0005
26	30	Unbiased	0.16	0.1595	-0.0005
27	30	Unbiased	0.1576	0.1571	-0.0005
28	30	Unbiased	0.1599	0.1594	-0.0005
29	30	Unbiased	0.1588	0.1583	-0.0005
30	30	Unbiased	0.1591	0.1586	-0.0005
31	50	Biased	0.1586	0.1581	-0.0005
32	50	Biased	0.1589	0.1584	-0.0005
33	50	Biased	0.1577	0.1572	-0.0005
34	50	Biased	0.1568	0.1564	-0.0004
35	50	Biased	0.1616	0.1611	-0.0005
36	50	Unbiased	0.1606	0.1601	-0.0005
37	50	Unbiased	0.1575	0.1569	-0.0006
38	50	Unbiased	0.157	0.1565	-0.0005
39	50	Unbiased	0.1583	0.1578	-0.0005
40	50	Unbiased	0.1583	0.1578	-0.0005
41	100	Biased	0.161	0.1601	-0.0009
42	100	Biased	0.1576	0.1565	-0.0011
43	100	Biased	0.1607	0.1596	-0.0011
44	100	Biased	0.1582	0.1571	-0.0011
45	100	Biased	0.1583	0.1572	-0.0011
46	100	Unbiased	0.1592	0.1581	-0.0011
47	100	Unbiased	0.1594	0.1584	-0.001
48	100	Unbiased	0.1578	0.1568	-0.001
49	100	Unbiased	0.1582	0.1573	-0.0009
50	100	Unbiased	0.1581	0.1571	-0.001
51	0	Correlation	0.158	0.1577	-0.0003
53	0	Correlation	0.1595	0.1593	-0.0002
54	0	Correlation	0.1579	0.1575	-0.0004
55	0	Correlation	0.1595	0.1591	-0.0004
56	0	Correlation	0.1581	0.1577	-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	0.1579	0.1586	0.1595	0.00082462	0.1575	0.15826	0.1593	0.00086487	-0.0004	-0.00034	-0.0002	8.9443e-05
3	0.1567	0.15834	0.1606	0.0011365	0.1561	0.15784	0.16	0.0011027	-0.0007	-0.0005	-0.0003	0.00013333
10	0.1569	0.15898	0.1622	0.001822	0.1563	0.1585	0.1616	0.001816	-0.0006	-0.00048	-0.0004	7.8881e-05
30	0.1576	0.15892	0.1604	0.0009841	0.1571	0.1584	0.1598	0.00096609	-0.0006	-0.00052	-0.0005	4.2164e-05
50	0.1568	0.15853	0.1616	0.001529	0.1564	0.15803	0.1611	0.0015246	-0.0006	-0.0005	-0.0004	4.714e-05
100	0.1576	0.15885	0.161	0.0011947	0.1565	0.15782	0.1601	0.0012136	-0.0011	-0.00103	-0.0009	8.2327e-05

Device Test: 6.71; VOL_RESET_2MA_OD





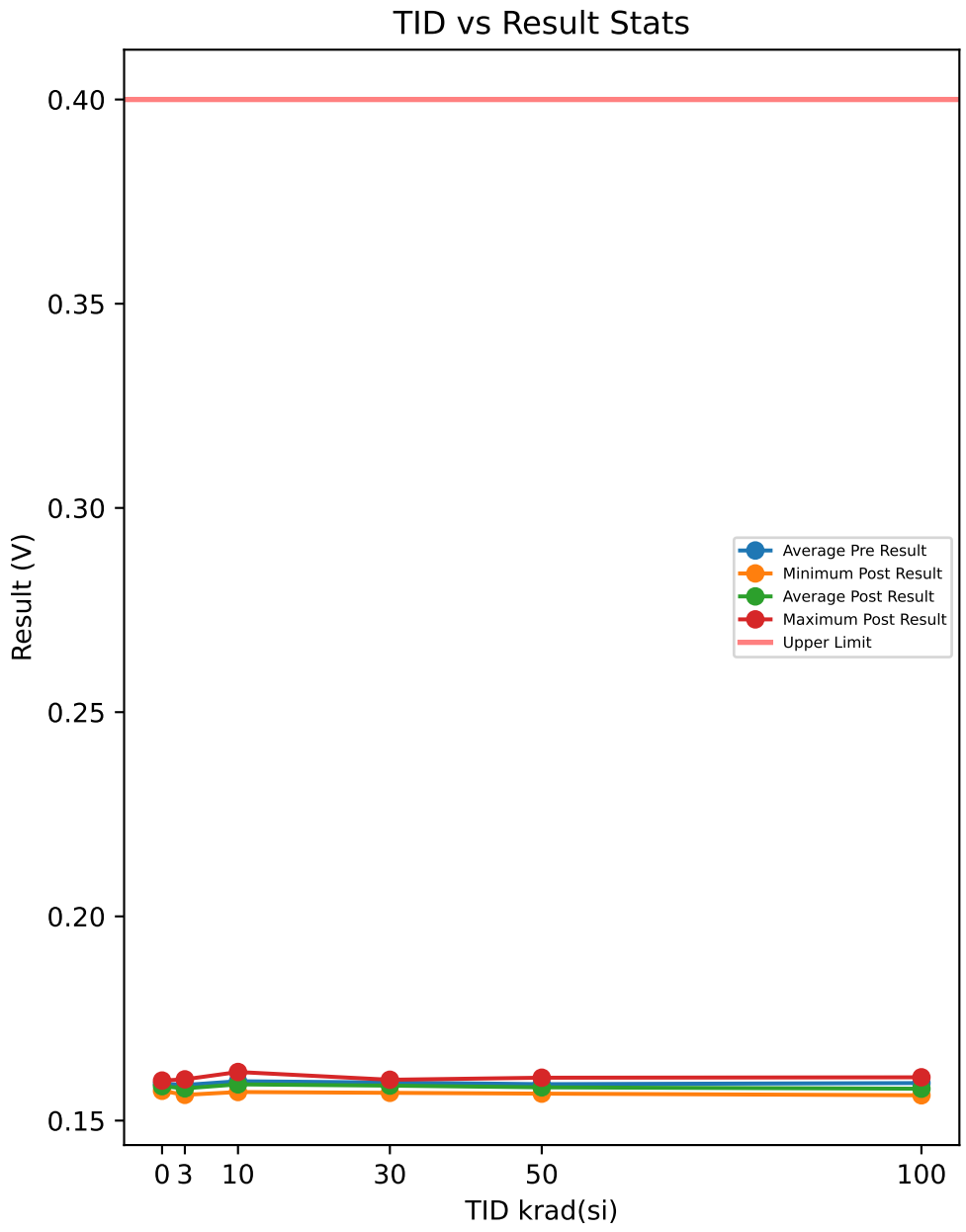
Test Results (Upper Limit = 0.4 (V))

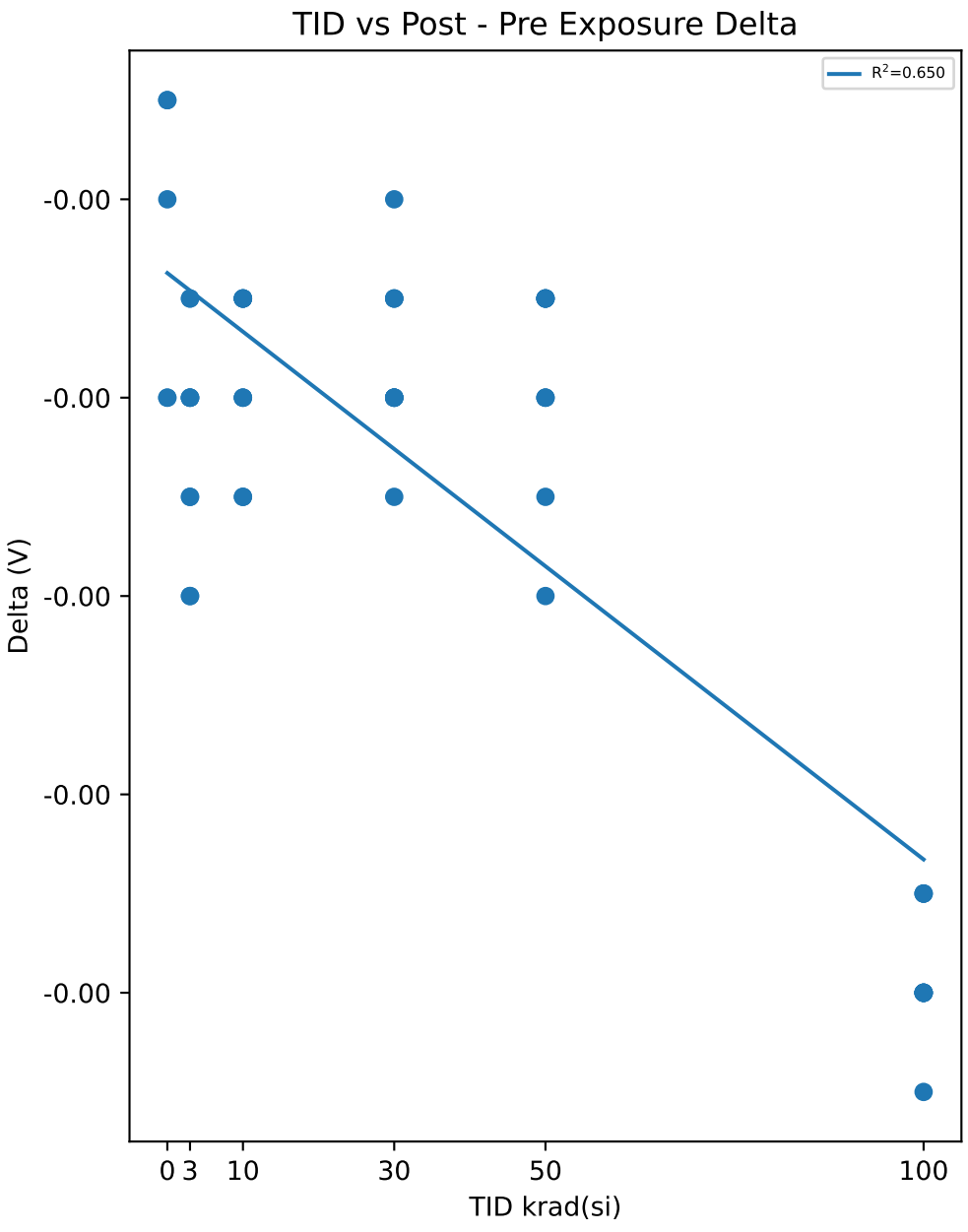
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.1603	0.1594	-0.0009
2	3	Biased	0.1614	0.1606	-0.0008
3	3	Biased	0.1581	0.1572	-0.0009
4	3	Biased	0.158	0.1573	-0.0007
5	3	Biased	0.1588	0.1581	-0.0007
6	3	Unbiased	0.1594	0.1587	-0.0007
7	3	Unbiased	0.159	0.1584	-0.0006
8	3	Unbiased	0.1574	0.1567	-0.0007
9	3	Unbiased	0.1573	0.1567	-0.0006
10	3	Unbiased	0.1583	0.1578	-0.0005
11	10	Biased	0.1578	0.157	-0.0008
12	10	Biased	0.1621	0.1614	-0.0007
13	10	Biased	0.159	0.1583	-0.0007
14	10	Biased	0.1586	0.158	-0.0006
15	10	Biased	0.1589	0.1583	-0.0006
16	10	Unbiased	0.1583	0.1577	-0.0006
17	10	Unbiased	0.159	0.1583	-0.0007
18	10	Unbiased	0.1613	0.1606	-0.0007
19	10	Unbiased	0.1579	0.1572	-0.0007
20	10	Unbiased	0.1621	0.1615	-0.0006
21	30	Biased	0.1595	0.1587	-0.0008
22	30	Biased	0.1592	0.1584	-0.0008
23	30	Biased	0.1616	0.1609	-0.0007
24	30	Biased	0.1585	0.1579	-0.0006
25	30	Biased	0.1586	0.1581	-0.0005
26	30	Unbiased	0.1606	0.16	-0.0006
27	30	Unbiased	0.158	0.1572	-0.0008
28	30	Unbiased	0.1609	0.1602	-0.0007
29	30	Unbiased	0.1594	0.1587	-0.0007
30	30	Unbiased	0.159	0.1585	-0.0005
31	50	Biased	0.1588	0.1581	-0.0007
32	50	Biased	0.1592	0.1586	-0.0006
33	50	Biased	0.1584	0.1577	-0.0007
34	50	Biased	0.1575	0.1569	-0.0006
35	50	Biased	0.162	0.1614	-0.0006
36	50	Unbiased	0.1614	0.1606	-0.0008
37	50	Unbiased	0.1581	0.1574	-0.0007
38	50	Unbiased	0.1577	0.1569	-0.0008
39	50	Unbiased	0.159	0.1582	-0.0008
40	50	Unbiased	0.1587	0.158	-0.0007
41	100	Biased	0.1616	0.1607	-0.0009
42	100	Biased	0.158	0.1569	-0.0011
43	100	Biased	0.1604	0.1592	-0.0012
44	100	Biased	0.1593	0.158	-0.0013
45	100	Biased	0.1591	0.1578	-0.0013
46	100	Unbiased	0.1597	0.1583	-0.0014
47	100	Unbiased	0.16	0.1588	-0.0012
48	100	Unbiased	0.1585	0.1572	-0.0013
49	100	Unbiased	0.1586	0.1574	-0.0012
50	100	Unbiased	0.1593	0.158	-0.0013
51	0	Correlation	0.1587	0.1581	-0.0006
53	0	Correlation	0.1603	0.1597	-0.0006
54	0	Correlation	0.1588	0.1582	-0.0006
55	0	Correlation	0.1606	0.1601	-0.0005
56	0	Correlation	0.159	0.1583	-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	0.1587	0.15948	0.1606	0.00089833	0.1581	0.15888	0.1601	0.00094446	-0.0007	-0.0006	-0.0005	7.0711e-05
3	0.1573	0.1588	0.1614	0.001291	0.1567	0.15809	0.1606	0.0012405	-0.0009	-0.00071	-0.0005	0.00012867
10	0.1578	0.1595	0.1621	0.0016773	0.157	0.15883	0.1615	0.0016892	-0.0008	-0.00067	-0.0006	6.7495e-05
30	0.158	0.15953	0.1616	0.0011538	0.1572	0.15886	0.1609	0.0011501	-0.0008	-0.00067	-0.0005	0.00011595
50	0.1575	0.15908	0.162	0.0014898	0.1569	0.15838	0.1614	0.0014965	-0.0008	-0.0007	-0.0006	8.165e-05
100	0.158	0.15945	0.1616	0.0010427	0.1569	0.15823	0.1607	0.0011146	-0.0014	-0.00122	-0.0009	0.00013984

Device Test: 6.72; VOL_RESET_2MA_OD





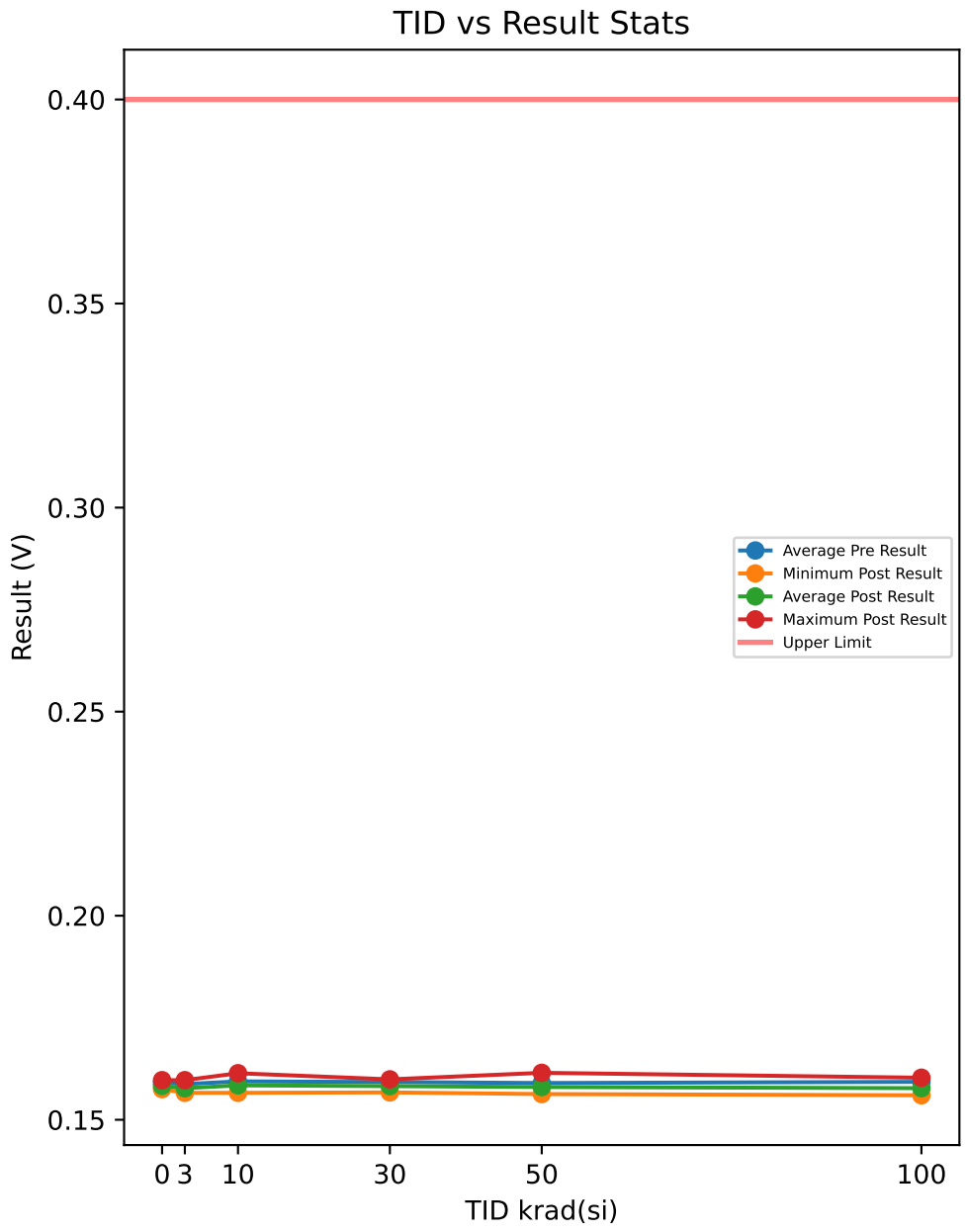
Test Results (Upper Limit = 0.4 (V))

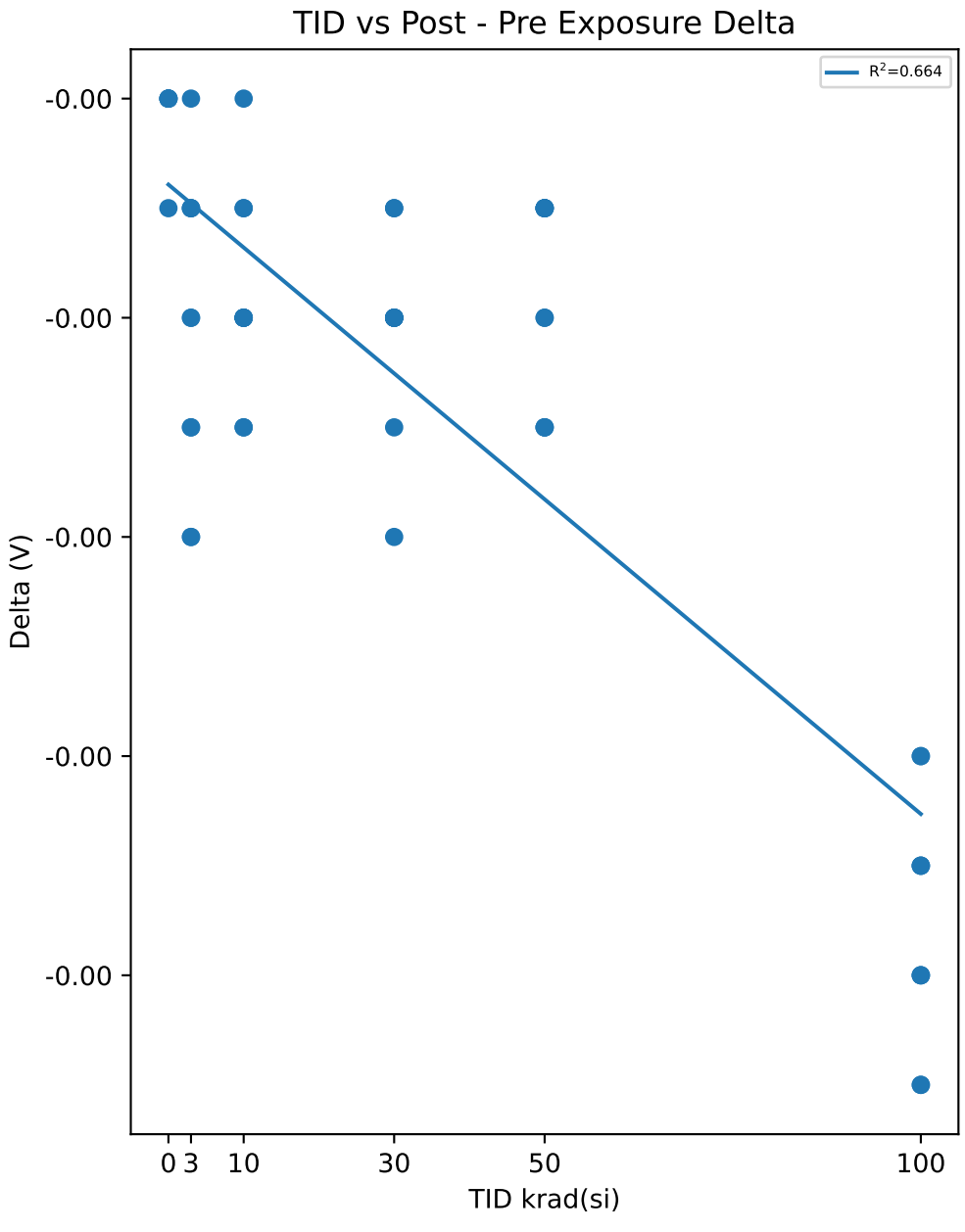
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.1602	0.1592	-0.001
2	3	Biased	0.161	0.1601	-0.0009
3	3	Biased	0.1581	0.1571	-0.001
4	3	Biased	0.1583	0.1575	-0.0008
5	3	Biased	0.159	0.1581	-0.0009
6	3	Unbiased	0.1592	0.1584	-0.0008
7	3	Unbiased	0.1587	0.158	-0.0007
8	3	Unbiased	0.1571	0.1563	-0.0008
9	3	Unbiased	0.1574	0.1566	-0.0008
10	3	Unbiased	0.1583	0.1576	-0.0007
11	10	Biased	0.1578	0.157	-0.0008
12	10	Biased	0.1622	0.1613	-0.0009
13	10	Biased	0.1588	0.158	-0.0008
14	10	Biased	0.1588	0.1579	-0.0009
15	10	Biased	0.1586	0.1579	-0.0007
16	10	Unbiased	0.1581	0.1574	-0.0007
17	10	Unbiased	0.1593	0.1586	-0.0007
18	10	Unbiased	0.1618	0.161	-0.0008
19	10	Unbiased	0.1584	0.1577	-0.0007
20	10	Unbiased	0.1626	0.1619	-0.0007
21	30	Biased	0.1595	0.1587	-0.0008
22	30	Biased	0.1597	0.1589	-0.0008
23	30	Biased	0.1607	0.16	-0.0007
24	30	Biased	0.1583	0.1576	-0.0007
25	30	Biased	0.1582	0.1574	-0.0008
26	30	Unbiased	0.1607	0.1599	-0.0008
27	30	Unbiased	0.1577	0.1568	-0.0009
28	30	Unbiased	0.1606	0.1598	-0.0008
29	30	Unbiased	0.159	0.1584	-0.0006
30	30	Unbiased	0.1588	0.1581	-0.0007
31	50	Biased	0.159	0.1583	-0.0007
32	50	Biased	0.1593	0.1586	-0.0007
33	50	Biased	0.1583	0.1575	-0.0008
34	50	Biased	0.1574	0.1567	-0.0007
35	50	Biased	0.1613	0.1605	-0.0008
36	50	Unbiased	0.1611	0.1604	-0.0007
37	50	Unbiased	0.1579	0.1572	-0.0007
38	50	Unbiased	0.1575	0.1566	-0.0009
39	50	Unbiased	0.1588	0.158	-0.0008
40	50	Unbiased	0.1586	0.1576	-0.001
41	100	Biased	0.1619	0.1606	-0.0013
42	100	Biased	0.1576	0.1562	-0.0014
43	100	Biased	0.1609	0.1594	-0.0015
44	100	Biased	0.1585	0.1571	-0.0014
45	100	Biased	0.1587	0.1573	-0.0014
46	100	Unbiased	0.1591	0.1577	-0.0014
47	100	Unbiased	0.1597	0.1584	-0.0013
48	100	Unbiased	0.1579	0.1566	-0.0013
49	100	Unbiased	0.1592	0.1578	-0.0014
50	100	Unbiased	0.1584	0.157	-0.0014
51	0	Correlation	0.1581	0.1573	-0.0008
53	0	Correlation	0.1598	0.1593	-0.0005
54	0	Correlation	0.1585	0.158	-0.0005
55	0	Correlation	0.1604	0.1598	-0.0006
56	0	Correlation	0.1585	0.1577	-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	0.1581	0.15906	0.1604	0.00098641	0.1573	0.15842	0.1598	0.0010756	-0.0008	-0.00064	-0.0005	0.00015166
3	0.1571	0.15873	0.161	0.0011926	0.1563	0.15789	0.1601	0.0011532	-0.001	-0.00084	-0.0007	0.0001075
10	0.1578	0.15964	0.1626	0.0018222	0.157	0.15887	0.1619	0.0018062	-0.0009	-0.00077	-0.0007	8.2327e-05
30	0.1577	0.15932	0.1607	0.0011013	0.1568	0.15856	0.16	0.0011128	-0.0009	-0.00076	-0.0006	8.4327e-05
50	0.1574	0.15892	0.1613	0.0013514	0.1566	0.15814	0.1605	0.0013729	-0.001	-0.00078	-0.0007	0.00010328
100	0.1576	0.15919	0.1619	0.0013362	0.1562	0.15781	0.1606	0.0013395	-0.0015	-0.00138	-0.0013	6.3246e-05

Device Test: 6.73; VOL_RESET_2MA_OD





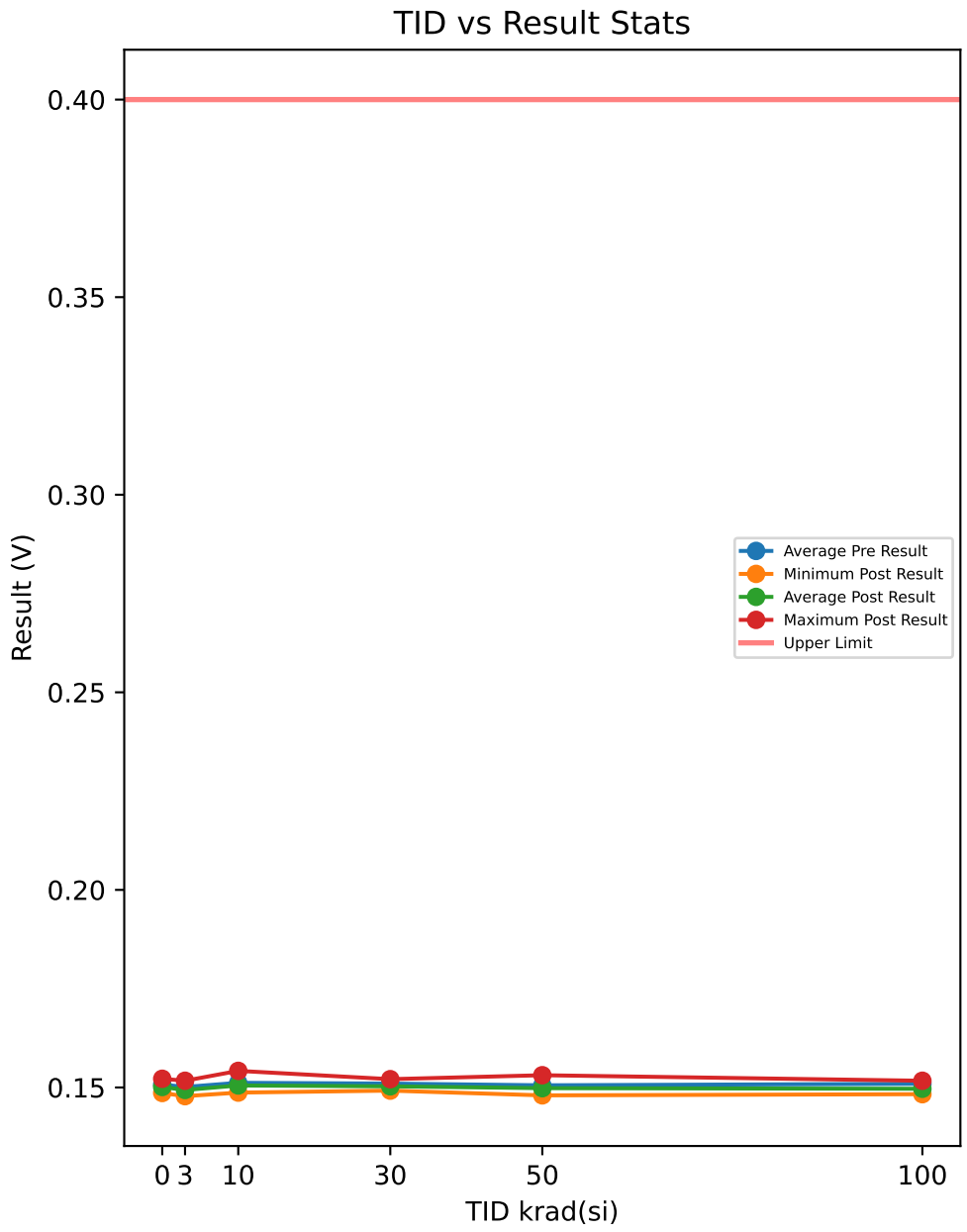
Test Results (Upper Limit = 0.4 (V))

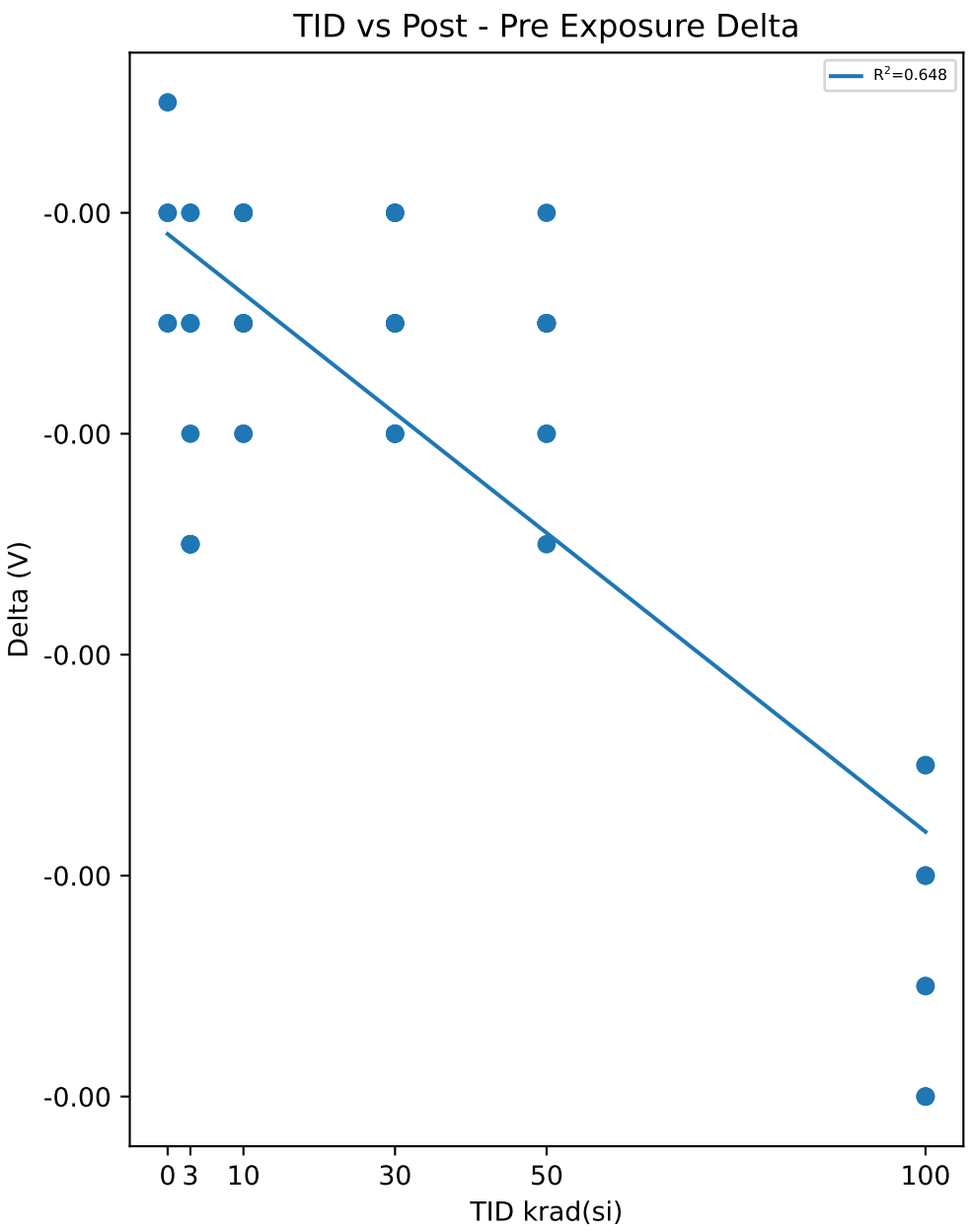
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.1602	0.159	-0.0012
2	3	Biased	0.1608	0.1597	-0.0011
3	3	Biased	0.1583	0.1571	-0.0012
4	3	Biased	0.1582	0.1572	-0.001
5	3	Biased	0.159	0.158	-0.001
6	3	Unbiased	0.1592	0.1583	-0.0009
7	3	Unbiased	0.1583	0.1574	-0.0009
8	3	Unbiased	0.1576	0.1567	-0.0009
9	3	Unbiased	0.1577	0.1566	-0.0011
10	3	Unbiased	0.1581	0.1573	-0.0008
11	10	Biased	0.1576	0.1566	-0.001
12	10	Biased	0.1622	0.1612	-0.001
13	10	Biased	0.1588	0.1577	-0.0011
14	10	Biased	0.1584	0.1574	-0.001
15	10	Biased	0.1583	0.1572	-0.0011
16	10	Unbiased	0.1581	0.1571	-0.001
17	10	Unbiased	0.1589	0.1581	-0.0008
18	10	Unbiased	0.1614	0.1605	-0.0009
19	10	Unbiased	0.1581	0.1571	-0.001
20	10	Unbiased	0.1623	0.1614	-0.0009
21	30	Biased	0.1589	0.1578	-0.0011
22	30	Biased	0.1594	0.1584	-0.001
23	30	Biased	0.1608	0.1596	-0.0012
24	30	Biased	0.1576	0.1567	-0.0009
25	30	Biased	0.1585	0.1575	-0.001
26	30	Unbiased	0.1604	0.1594	-0.001
27	30	Unbiased	0.1579	0.157	-0.0009
28	30	Unbiased	0.1609	0.1599	-0.001
29	30	Unbiased	0.1593	0.1583	-0.001
30	30	Unbiased	0.1588	0.1578	-0.001
31	50	Biased	0.1585	0.1576	-0.0009
32	50	Biased	0.1595	0.1586	-0.0009
33	50	Biased	0.1578	0.1568	-0.001
34	50	Biased	0.1572	0.1563	-0.0009
35	50	Biased	0.1624	0.1615	-0.0009
36	50	Unbiased	0.1616	0.1605	-0.0011
37	50	Unbiased	0.1579	0.1569	-0.001
38	50	Unbiased	0.1577	0.1566	-0.0011
39	50	Unbiased	0.1591	0.1582	-0.0009
40	50	Unbiased	0.1583	0.1572	-0.0011
41	100	Biased	0.1617	0.1603	-0.0014
42	100	Biased	0.1576	0.156	-0.0016
43	100	Biased	0.1609	0.1592	-0.0017
44	100	Biased	0.159	0.1575	-0.0015
45	100	Biased	0.1593	0.1577	-0.0016
46	100	Unbiased	0.1591	0.1575	-0.0016
47	100	Unbiased	0.1598	0.1583	-0.0015
48	100	Unbiased	0.1577	0.1563	-0.0014
49	100	Unbiased	0.1588	0.1573	-0.0015
50	100	Unbiased	0.159	0.1573	-0.0017
51	0	Correlation	0.1584	0.1575	-0.0009
53	0	Correlation	0.1597	0.1589	-0.0008
54	0	Correlation	0.1585	0.1577	-0.0008
55	0	Correlation	0.1605	0.1597	-0.0008
56	0	Correlation	0.1585	0.1577	-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	0.1584	0.15912	0.1605	0.00093915	0.1575	0.1583	0.1597	0.00095917	-0.0009	-0.00082	-0.0008	4.4721e-05
3	0.1576	0.15874	0.1608	0.0010606	0.1566	0.15773	0.1597	0.0010111	-0.0012	-0.00101	-0.0008	0.00013703
10	0.1576	0.15941	0.1623	0.0018163	0.1566	0.15843	0.1614	0.0018524	-0.0011	-0.00098	-0.0008	9.1894e-05
30	0.1576	0.15925	0.1609	0.0011501	0.1567	0.15824	0.1599	0.0010967	-0.0012	-0.00101	-0.0009	8.756e-05
50	0.1572	0.159	0.1624	0.0017288	0.1563	0.15802	0.1615	0.0017383	-0.0011	-0.00098	-0.0009	9.1894e-05
100	0.1576	0.15929	0.1617	0.0012688	0.156	0.15774	0.1603	0.0012738	-0.0017	-0.00155	-0.0014	0.00010801

Device Test: 6.74; VOL_WDO_2MA_OD





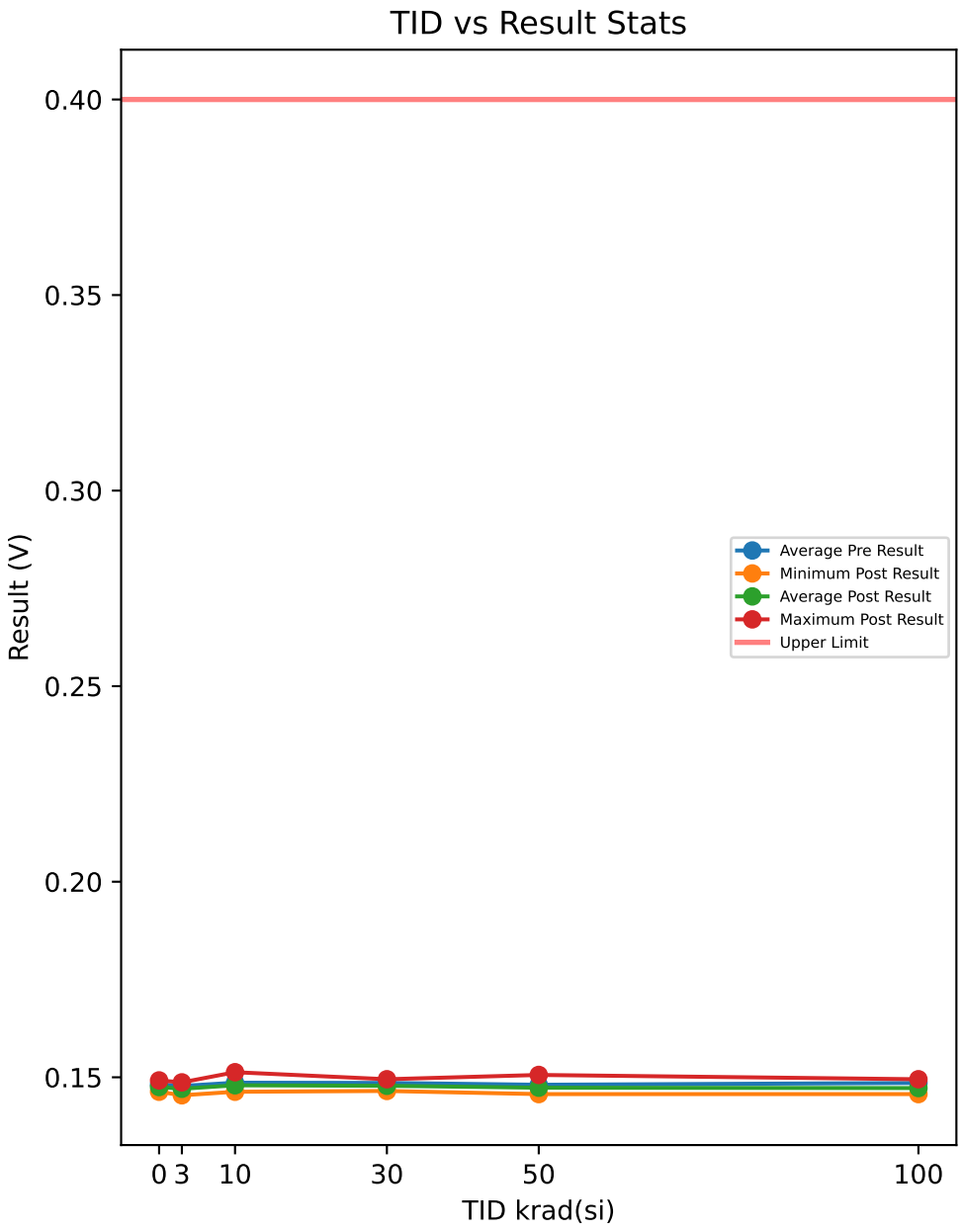
Test Results (Upper Limit = 0.4 (V))

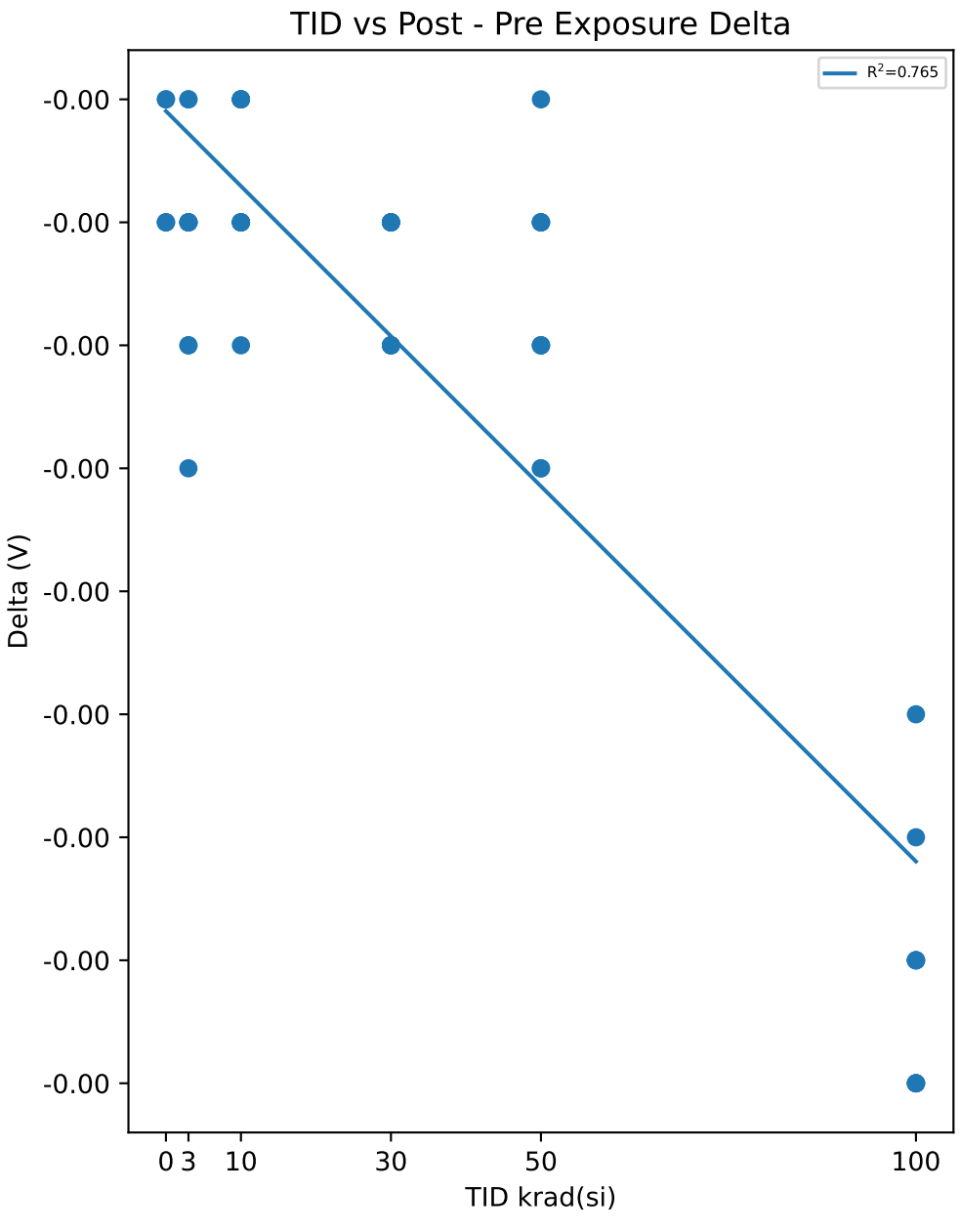
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.1513	0.1504	-0.0009
2	3	Biased	0.1524	0.1517	-0.0007
3	3	Biased	0.1493	0.1484	-0.0009
4	3	Biased	0.1496	0.1487	-0.0009
5	3	Biased	0.1507	0.1498	-0.0009
6	3	Unbiased	0.1503	0.1495	-0.0008
7	3	Unbiased	0.1502	0.1496	-0.0006
8	3	Unbiased	0.1488	0.1482	-0.0006
9	3	Unbiased	0.1485	0.1478	-0.0007
10	3	Unbiased	0.1502	0.1495	-0.0007
11	10	Biased	0.1495	0.1487	-0.0008
12	10	Biased	0.1544	0.1536	-0.0008
13	10	Biased	0.1503	0.1496	-0.0007
14	10	Biased	0.1499	0.1492	-0.0007
15	10	Biased	0.1498	0.1492	-0.0006
16	10	Unbiased	0.15	0.1493	-0.0007
17	10	Unbiased	0.1505	0.1498	-0.0007
18	10	Unbiased	0.1533	0.1527	-0.0006
19	10	Unbiased	0.1493	0.1487	-0.0006
20	10	Unbiased	0.1548	0.1542	-0.0006
21	30	Biased	0.1509	0.1501	-0.0008
22	30	Biased	0.1509	0.1502	-0.0007
23	30	Biased	0.1522	0.1516	-0.0006
24	30	Biased	0.15	0.1493	-0.0007
25	30	Biased	0.1498	0.1492	-0.0006
26	30	Unbiased	0.1528	0.152	-0.0008
27	30	Unbiased	0.1498	0.1492	-0.0006
28	30	Unbiased	0.1529	0.1521	-0.0008
29	30	Unbiased	0.1506	0.1499	-0.0007
30	30	Unbiased	0.1499	0.1492	-0.0007
31	50	Biased	0.1496	0.1489	-0.0007
32	50	Biased	0.1504	0.1497	-0.0007
33	50	Biased	0.1493	0.1486	-0.0007
34	50	Biased	0.1486	0.148	-0.0006
35	50	Biased	0.1538	0.1531	-0.0007
36	50	Unbiased	0.1539	0.1531	-0.0008
37	50	Unbiased	0.1492	0.1485	-0.0007
38	50	Unbiased	0.1493	0.1486	-0.0007
39	50	Unbiased	0.1511	0.1502	-0.0009
40	50	Unbiased	0.1503	0.1495	-0.0008
41	100	Biased	0.1524	0.1513	-0.0011
42	100	Biased	0.1497	0.1485	-0.0012
43	100	Biased	0.1531	0.1517	-0.0014
44	100	Biased	0.1499	0.1485	-0.0014
45	100	Biased	0.1509	0.1496	-0.0013
46	100	Unbiased	0.1513	0.1501	-0.0012
47	100	Unbiased	0.152	0.1509	-0.0011
48	100	Unbiased	0.1496	0.1483	-0.0013
49	100	Unbiased	0.1502	0.149	-0.0012
50	100	Unbiased	0.1502	0.1488	-0.0014
51	0	Correlation	0.1493	0.1486	-0.0007
53	0	Correlation	0.1515	0.1509	-0.0006
54	0	Correlation	0.1502	0.1497	-0.0005
55	0	Correlation	0.1528	0.1522	-0.0006
56	0	Correlation	0.1499	0.1492	-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	0.1493	0.15074	0.1528	0.0014046	0.1486	0.15012	0.1522	0.0014377	-0.0007	-0.00062	-0.0005	8.3666e-05
3	0.1485	0.15013	0.1524	0.0011681	0.1478	0.14936	0.1517	0.0011539	-0.0009	-0.00077	-0.0006	0.00012517
10	0.1493	0.15118	0.1548	0.0021212	0.1487	0.1505	0.1542	0.0021276	-0.0008	-0.00068	-0.0006	7.8881e-05
30	0.1498	0.15098	0.1529	0.0012273	0.1492	0.15028	0.1521	0.0011858	-0.0008	-0.0007	-0.0006	8.165e-05
50	0.1486	0.15055	0.1539	0.0018805	0.148	0.14982	0.1531	0.0018456	-0.0009	-0.00073	-0.0006	8.2327e-05
100	0.1496	0.15093	0.1531	0.0012275	0.1483	0.14967	0.1517	0.0012606	-0.0014	-0.00126	-0.0011	0.00011738

Device Test: 6.75; VOL_PWRGD_2MA_OD





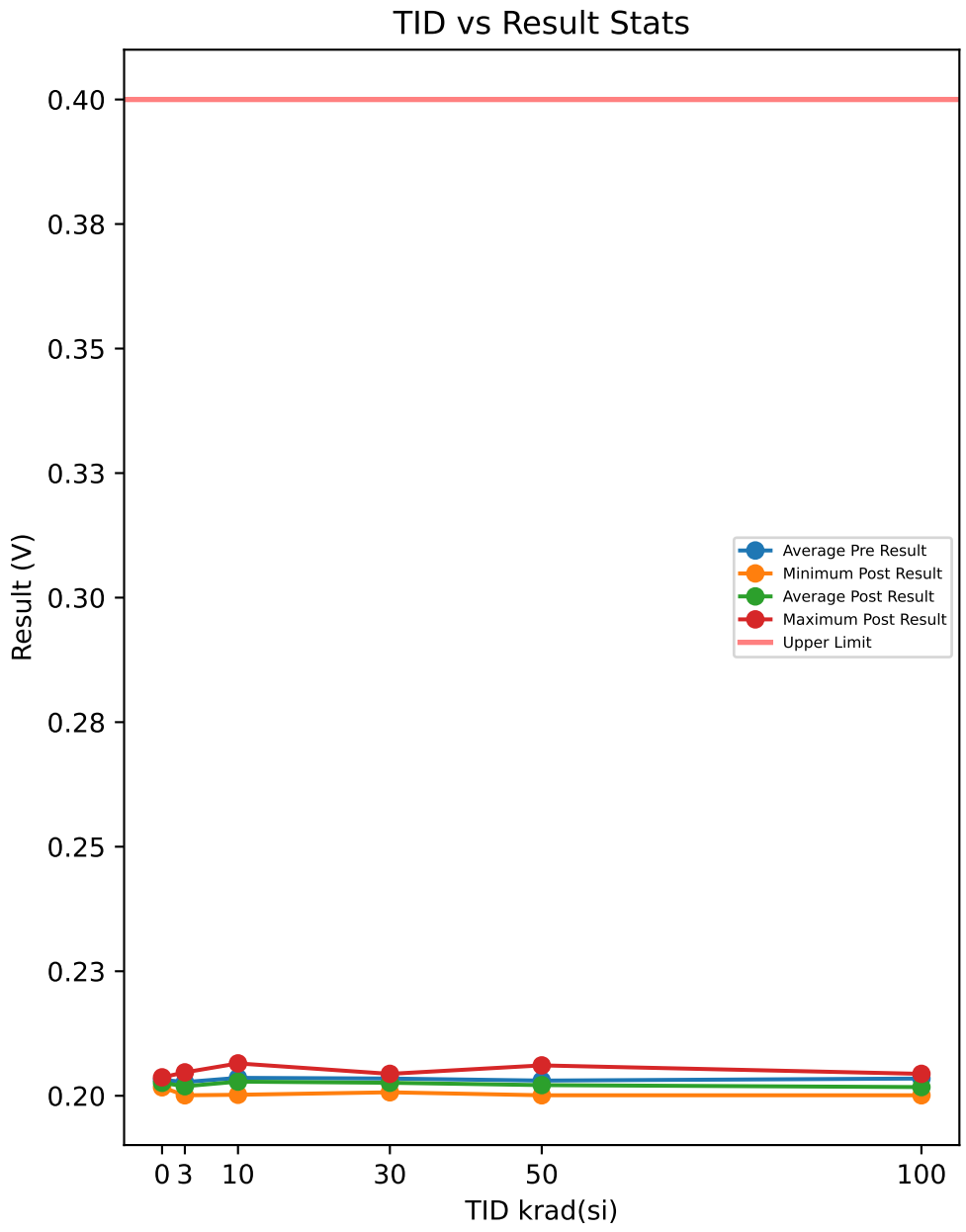
Test Results (Upper Limit = 0.4 (V))

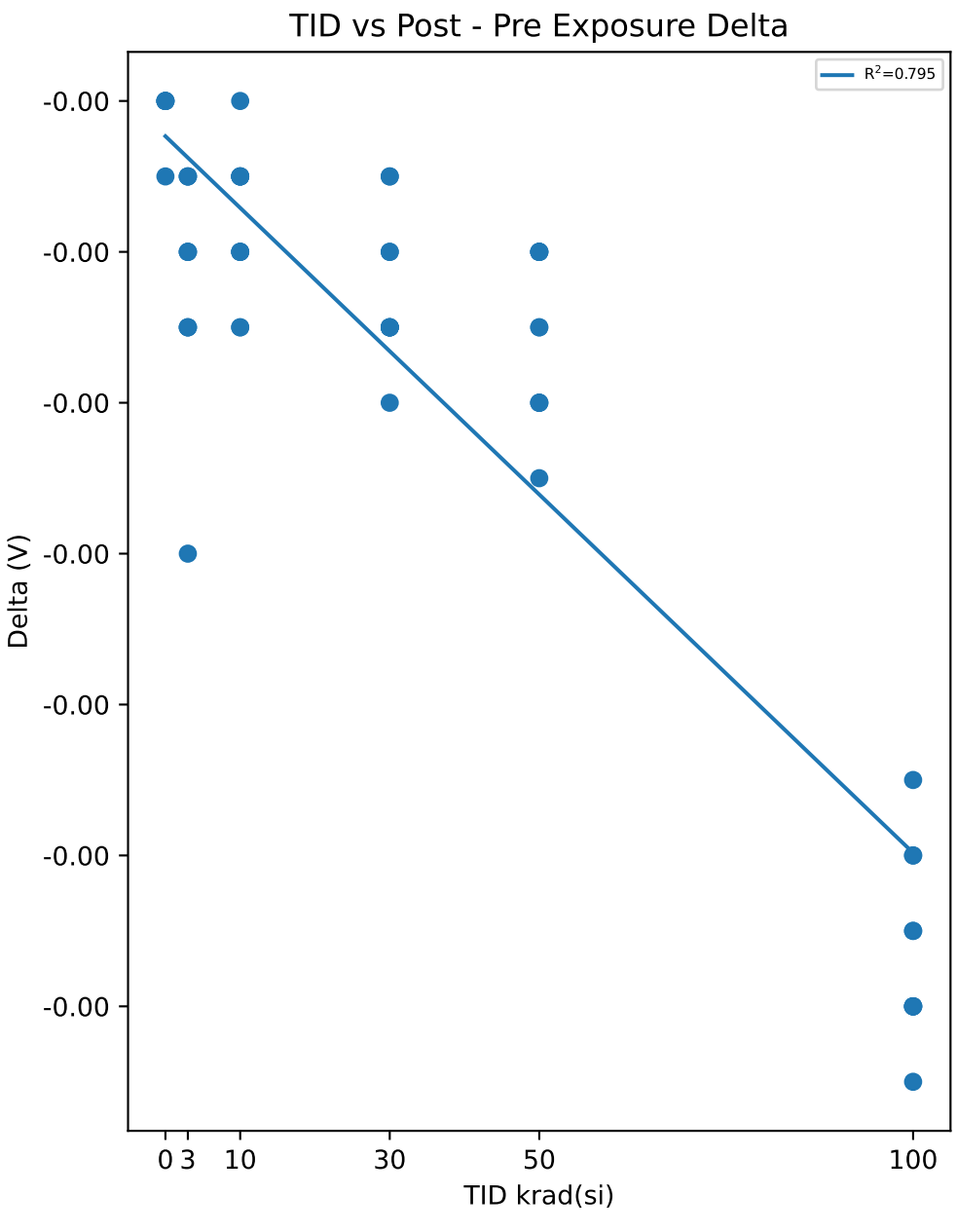
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.1492	0.1483	-0.0009
2	3	Biased	0.1494	0.1487	-0.0007
3	3	Biased	0.147	0.1462	-0.0008
4	3	Biased	0.1474	0.1467	-0.0007
5	3	Biased	0.1482	0.1475	-0.0007
6	3	Unbiased	0.1481	0.1474	-0.0007
7	3	Unbiased	0.1484	0.1477	-0.0007
8	3	Unbiased	0.1462	0.1454	-0.0008
9	3	Unbiased	0.1464	0.1458	-0.0006
10	3	Unbiased	0.1475	0.1469	-0.0006
11	10	Biased	0.147	0.1463	-0.0007
12	10	Biased	0.152	0.1513	-0.0007
13	10	Biased	0.1479	0.1471	-0.0008
14	10	Biased	0.1475	0.1468	-0.0007
15	10	Biased	0.1471	0.1464	-0.0007
16	10	Unbiased	0.147	0.1464	-0.0006
17	10	Unbiased	0.148	0.1474	-0.0006
18	10	Unbiased	0.1508	0.1501	-0.0007
19	10	Unbiased	0.1471	0.1465	-0.0006
20	10	Unbiased	0.1518	0.1512	-0.0006
21	30	Biased	0.1483	0.1476	-0.0007
22	30	Biased	0.1486	0.1479	-0.0007
23	30	Biased	0.1493	0.1485	-0.0008
24	30	Biased	0.1476	0.1468	-0.0008
25	30	Biased	0.1478	0.1471	-0.0007
26	30	Unbiased	0.1502	0.1495	-0.0007
27	30	Unbiased	0.1472	0.1465	-0.0007
28	30	Unbiased	0.1503	0.1495	-0.0008
29	30	Unbiased	0.1484	0.1476	-0.0008
30	30	Unbiased	0.1479	0.1472	-0.0007
31	50	Biased	0.1476	0.147	-0.0006
32	50	Biased	0.1481	0.1474	-0.0007
33	50	Biased	0.1474	0.1467	-0.0007
34	50	Biased	0.1464	0.1457	-0.0007
35	50	Biased	0.1513	0.1506	-0.0007
36	50	Unbiased	0.1507	0.1499	-0.0008
37	50	Unbiased	0.1468	0.146	-0.0008
38	50	Unbiased	0.1467	0.1459	-0.0008
39	50	Unbiased	0.1482	0.1473	-0.0009
40	50	Unbiased	0.1477	0.1468	-0.0009
41	100	Biased	0.1501	0.149	-0.0011
42	100	Biased	0.1471	0.1458	-0.0013
43	100	Biased	0.1509	0.1495	-0.0014
44	100	Biased	0.1476	0.1463	-0.0013
45	100	Biased	0.1486	0.1472	-0.0014
46	100	Unbiased	0.1486	0.1472	-0.0014
47	100	Unbiased	0.1501	0.1489	-0.0012
48	100	Unbiased	0.147	0.1457	-0.0013
49	100	Unbiased	0.1478	0.1464	-0.0014
50	100	Unbiased	0.1477	0.1464	-0.0013
51	0	Correlation	0.147	0.1463	-0.0007
53	0	Correlation	0.1484	0.1477	-0.0007
54	0	Correlation	0.1479	0.1473	-0.0006
55	0	Correlation	0.1498	0.1492	-0.0006
56	0	Correlation	0.1477	0.147	-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	0.147	0.14816	0.1498	0.0010455	0.1463	0.1475	0.1492	0.0010794	-0.0007	-0.00066	-0.0006	5.4772e-05
3	0.1462	0.14778	0.1494	0.001082	0.1454	0.14706	0.1487	0.0010637	-0.0009	-0.00072	-0.0006	9.1894e-05
10	0.147	0.14862	0.152	0.0020633	0.1463	0.14795	0.1513	0.0020652	-0.0008	-0.00067	-0.0006	6.7495e-05
30	0.1472	0.14856	0.1503	0.0010617	0.1465	0.14782	0.1495	0.0010486	-0.0008	-0.00074	-0.0007	5.164e-05
50	0.1464	0.14809	0.1513	0.0016482	0.1457	0.14733	0.1506	0.001652	-0.0009	-0.00076	-0.0006	9.6609e-05
100	0.147	0.14855	0.1509	0.0013754	0.1457	0.14724	0.1495	0.0014025	-0.0014	-0.00131	-0.0011	9.9443e-05

Device Test: 6.76; VOL_RESET_2MA_OD





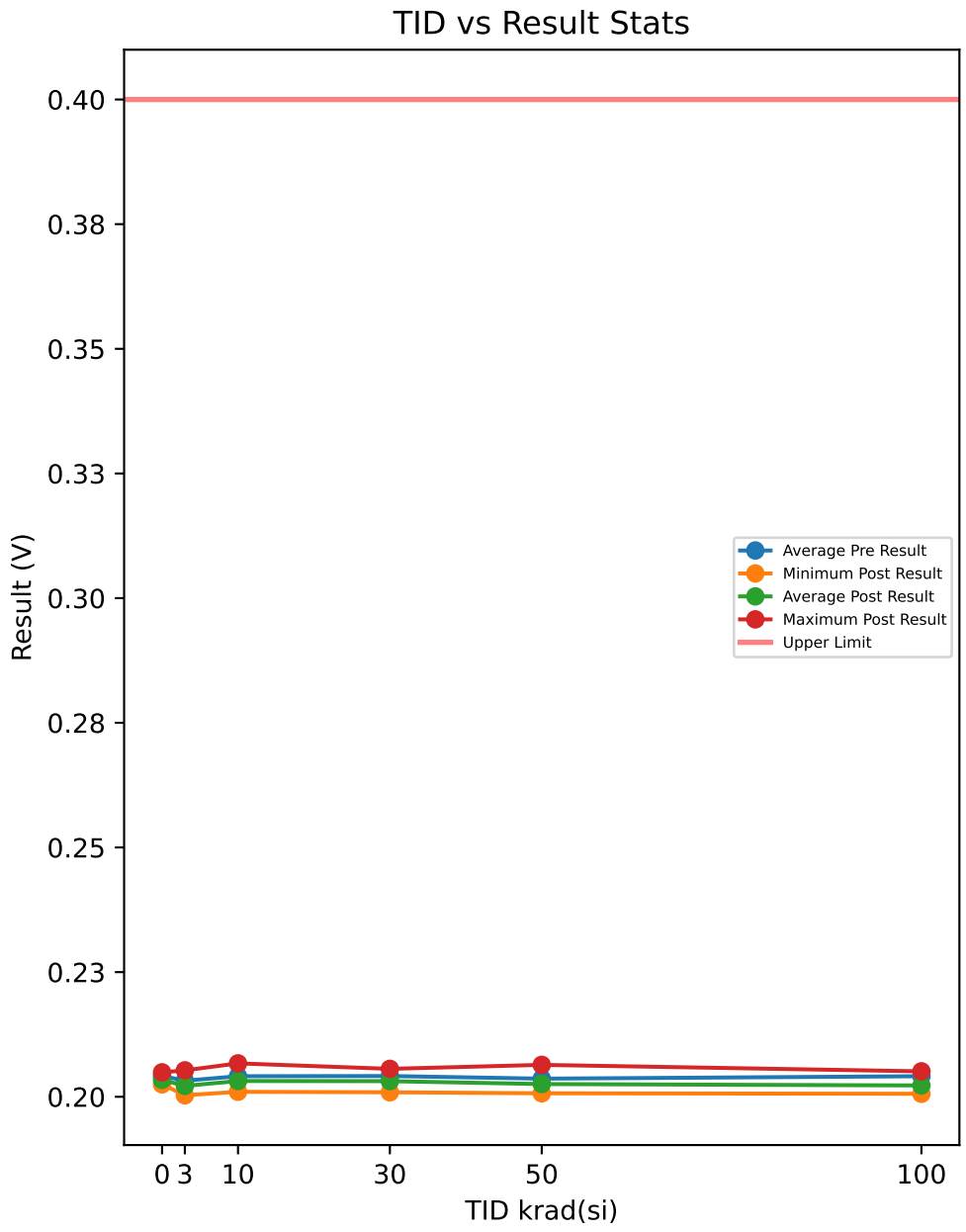
Test Results (Upper Limit = 0.4 (V))

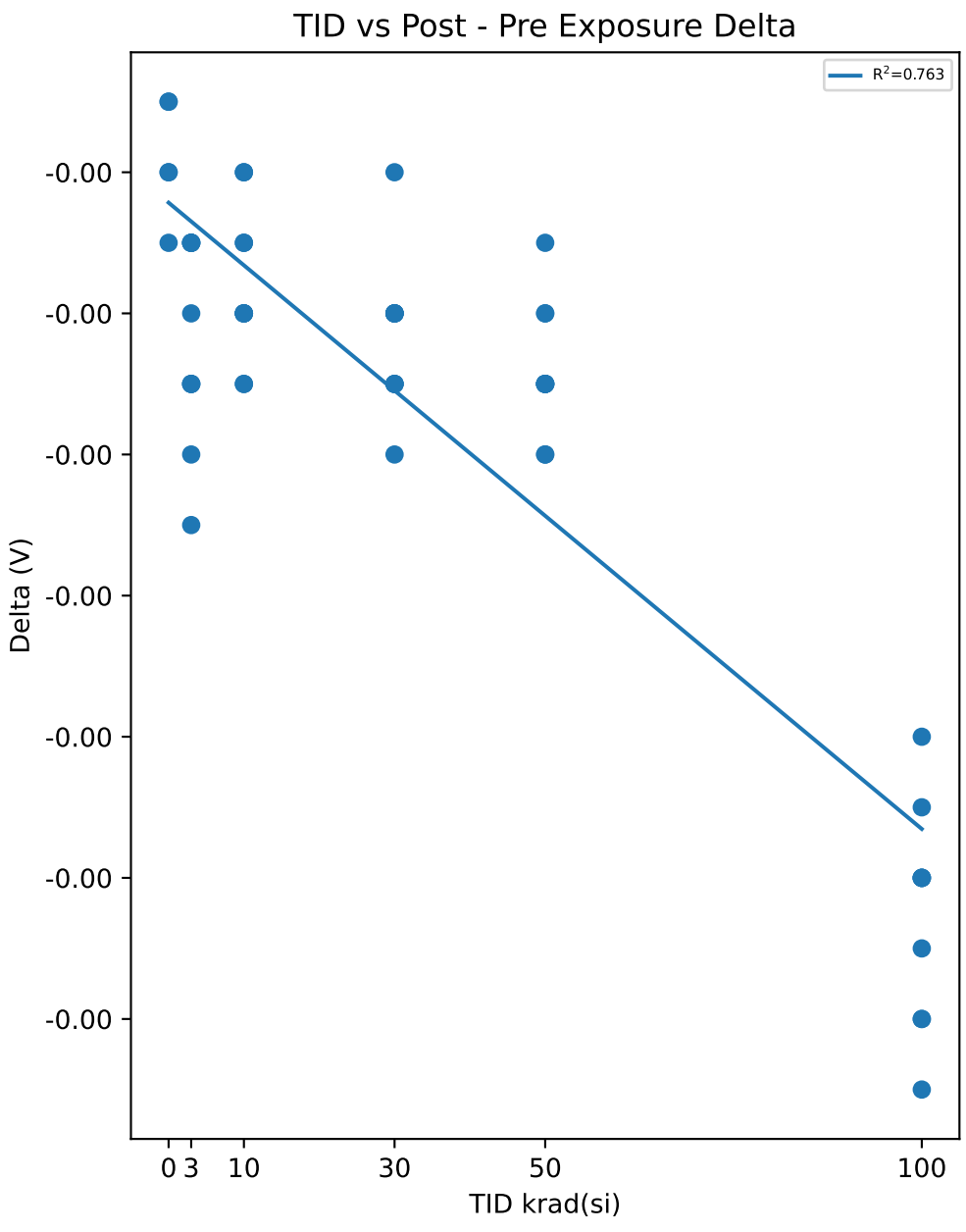
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2043	0.2031	-0.0012
2	3	Biased	0.2056	0.2047	-0.0009
3	3	Biased	0.2025	0.2016	-0.0009
4	3	Biased	0.2022	0.2013	-0.0009
5	3	Biased	0.2026	0.2018	-0.0008
6	3	Unbiased	0.2032	0.2025	-0.0007
7	3	Unbiased	0.2031	0.2024	-0.0007
8	3	Unbiased	0.2009	0.2001	-0.0008
9	3	Unbiased	0.2008	0.2001	-0.0007
10	3	Unbiased	0.2023	0.2015	-0.0008
11	10	Biased	0.2009	0.2002	-0.0007
12	10	Biased	0.2074	0.2065	-0.0009
13	10	Biased	0.2031	0.2023	-0.0008
14	10	Biased	0.2023	0.2014	-0.0009
15	10	Biased	0.2028	0.202	-0.0008
16	10	Unbiased	0.2018	0.2011	-0.0007
17	10	Unbiased	0.203	0.2022	-0.0008
18	10	Unbiased	0.2061	0.2054	-0.0007
19	10	Unbiased	0.2018	0.2011	-0.0007
20	10	Unbiased	0.2068	0.2062	-0.0006
21	30	Biased	0.2037	0.2028	-0.0009
22	30	Biased	0.2033	0.2024	-0.0009
23	30	Biased	0.2051	0.2044	-0.0007
24	30	Biased	0.2021	0.2014	-0.0007
25	30	Biased	0.2021	0.2013	-0.0008
26	30	Unbiased	0.2049	0.204	-0.0009
27	30	Unbiased	0.2017	0.2007	-0.001
28	30	Unbiased	0.2047	0.2038	-0.0009
29	30	Unbiased	0.2033	0.2024	-0.0009
30	30	Unbiased	0.2037	0.2029	-0.0008
31	50	Biased	0.203	0.2022	-0.0008
32	50	Biased	0.2033	0.2025	-0.0008
33	50	Biased	0.2022	0.2011	-0.0011
34	50	Biased	0.201	0.2001	-0.0009
35	50	Biased	0.2069	0.2061	-0.0008
36	50	Unbiased	0.2056	0.2046	-0.001
37	50	Unbiased	0.2017	0.2009	-0.0008
38	50	Unbiased	0.2012	0.2003	-0.0009
39	50	Unbiased	0.2028	0.2018	-0.001
40	50	Unbiased	0.2028	0.2018	-0.001
41	100	Biased	0.2059	0.2044	-0.0015
42	100	Biased	0.2018	0.2001	-0.0017
43	100	Biased	0.2056	0.2038	-0.0018
44	100	Biased	0.2028	0.201	-0.0018
45	100	Biased	0.2028	0.2009	-0.0019
46	100	Unbiased	0.204	0.2022	-0.0018
47	100	Unbiased	0.2043	0.2026	-0.0017
48	100	Unbiased	0.202	0.2004	-0.0016
49	100	Unbiased	0.2029	0.2011	-0.0018
50	100	Unbiased	0.2025	0.2009	-0.0016
51	0	Correlation	0.2026	0.202	-0.0006
53	0	Correlation	0.2043	0.2037	-0.0006
54	0	Correlation	0.2023	0.2017	-0.0006
55	0	Correlation	0.2044	0.2037	-0.0007
56	0	Correlation	0.2025	0.2019	-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	0.2023	0.20322	0.2044	0.0010378	0.2017	0.2026	0.2037	0.00101	-0.0007	-0.00062	-0.0006	4.4721e-05
3	0.2008	0.20275	0.2056	0.0014401	0.2001	0.20191	0.2047	0.0013739	-0.0012	-0.00084	-0.0007	0.00015055
10	0.2009	0.2036	0.2074	0.0023007	0.2002	0.20284	0.2065	0.0023032	-0.0009	-0.00076	-0.0006	9.6609e-05
30	0.2017	0.20346	0.2051	0.001214	0.2007	0.20261	0.2044	0.0012288	-0.001	-0.00085	-0.0007	9.7183e-05
50	0.201	0.20305	0.2069	0.0018763	0.2001	0.20214	0.2061	0.0018934	-0.0011	-0.00091	-0.0008	0.00011005
100	0.2018	0.20346	0.2059	0.0014347	0.2001	0.20174	0.2044	0.0014577	-0.0019	-0.00172	-0.0015	0.00012293

Device Test: 6.77; VOL_RESET_2MA_OD





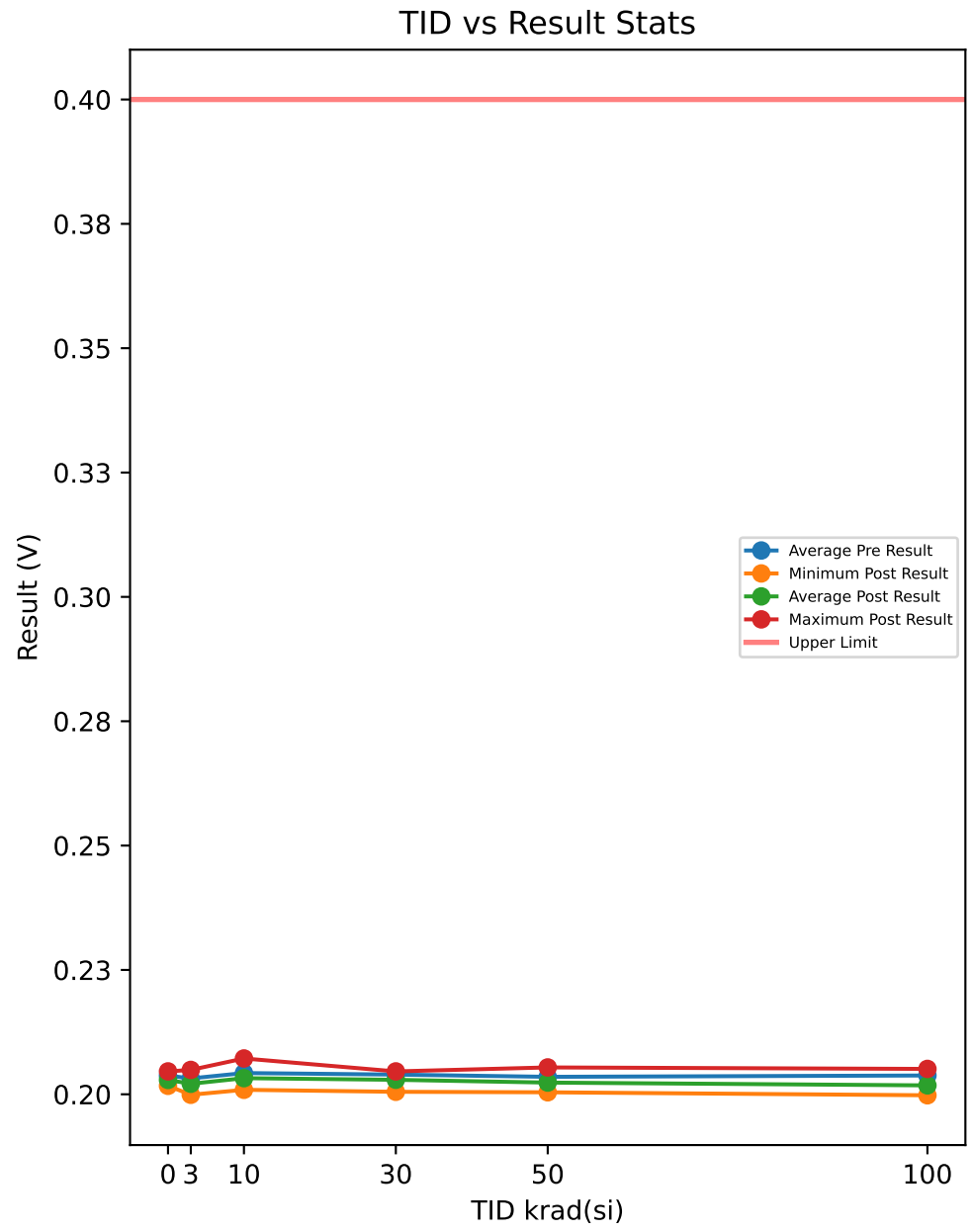
Test Results (Upper Limit = 0.4 (V))

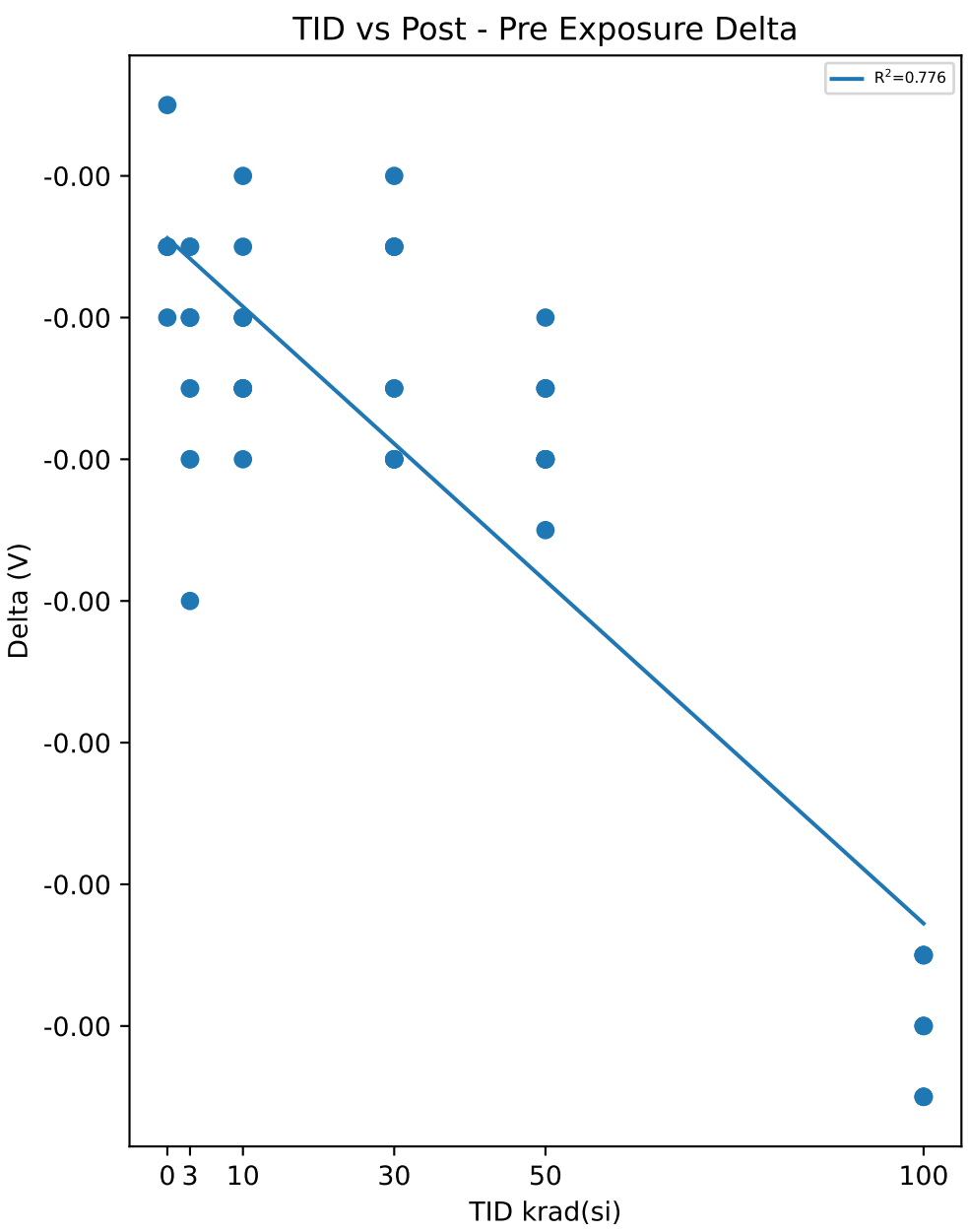
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.205	0.2037	-0.0013
2	3	Biased	0.2064	0.2053	-0.0011
3	3	Biased	0.2024	0.2013	-0.0011
4	3	Biased	0.2022	0.201	-0.0012
5	3	Biased	0.2032	0.2021	-0.0011
6	3	Unbiased	0.2039	0.203	-0.0009
7	3	Unbiased	0.2035	0.2026	-0.0009
8	3	Unbiased	0.2013	0.2003	-0.001
9	3	Unbiased	0.2017	0.2008	-0.0009
10	3	Unbiased	0.2026	0.2017	-0.0009
11	10	Biased	0.202	0.201	-0.001
12	10	Biased	0.2071	0.206	-0.0011
13	10	Biased	0.2036	0.2025	-0.0011
14	10	Biased	0.2031	0.2021	-0.001
15	10	Biased	0.2035	0.2027	-0.0008
16	10	Unbiased	0.2023	0.2015	-0.0008
17	10	Unbiased	0.2035	0.2025	-0.001
18	10	Unbiased	0.2065	0.2055	-0.001
19	10	Unbiased	0.202	0.2011	-0.0009
20	10	Unbiased	0.2076	0.2067	-0.0009
21	30	Biased	0.2042	0.2031	-0.0011
22	30	Biased	0.2038	0.2028	-0.001
23	30	Biased	0.2066	0.2056	-0.001
24	30	Biased	0.2029	0.2019	-0.001
25	30	Biased	0.2032	0.2022	-0.001
26	30	Unbiased	0.2056	0.2045	-0.0011
27	30	Unbiased	0.2021	0.2009	-0.0012
28	30	Unbiased	0.2058	0.2047	-0.0011
29	30	Unbiased	0.2039	0.2029	-0.001
30	30	Unbiased	0.2035	0.2027	-0.0008
31	50	Biased	0.2031	0.2022	-0.0009
32	50	Biased	0.2036	0.2026	-0.001
33	50	Biased	0.203	0.2019	-0.0011
34	50	Biased	0.2018	0.2008	-0.001
35	50	Biased	0.2075	0.2064	-0.0011
36	50	Unbiased	0.2064	0.2053	-0.0011
37	50	Unbiased	0.2024	0.2013	-0.0011
38	50	Unbiased	0.2018	0.2007	-0.0011
39	50	Unbiased	0.2035	0.2023	-0.0012
40	50	Unbiased	0.2032	0.202	-0.0012
41	100	Biased	0.2067	0.2051	-0.0016
42	100	Biased	0.2023	0.2006	-0.0017
43	100	Biased	0.2054	0.2034	-0.002
44	100	Biased	0.204	0.2021	-0.0019
45	100	Biased	0.2036	0.2018	-0.0018
46	100	Unbiased	0.2044	0.2023	-0.0021
47	100	Unbiased	0.2049	0.2031	-0.0018
48	100	Unbiased	0.2028	0.201	-0.0018
49	100	Unbiased	0.2032	0.2014	-0.0018
50	100	Unbiased	0.2039	0.2019	-0.002
51	0	Correlation	0.2033	0.2025	-0.0008
53	0	Correlation	0.2051	0.2044	-0.0007
54	0	Correlation	0.2033	0.2026	-0.0007
55	0	Correlation	0.2057	0.2049	-0.0008
56	0	Correlation	0.2035	0.2026	-0.0009

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	0.2033	0.20418	0.2057	0.0011367	0.2025	0.2034	0.2049	0.0011554	-0.0009	-0.00078	-0.0007	8.3666e-05
3	0.2013	0.20322	0.2064	0.0015605	0.2003	0.20218	0.2053	0.0015179	-0.0013	-0.00104	-0.0009	0.00014298
10	0.202	0.20412	0.2076	0.0021353	0.201	0.20316	0.2067	0.0021067	-0.0011	-0.00096	-0.0008	0.0001075
30	0.2021	0.20416	0.2066	0.0014183	0.2009	0.20313	0.2056	0.0014197	-0.0012	-0.00103	-0.0008	0.00010593
50	0.2018	0.20363	0.2075	0.001878	0.2007	0.20255	0.2064	0.0018662	-0.0012	-0.00108	-0.0009	9.1894e-05
100	0.2023	0.20412	0.2067	0.0013003	0.2006	0.20227	0.2051	0.0013132	-0.0021	-0.00185	-0.0016	0.00015092

Device Test: 6.78; VOL_RESET_2MA_OD





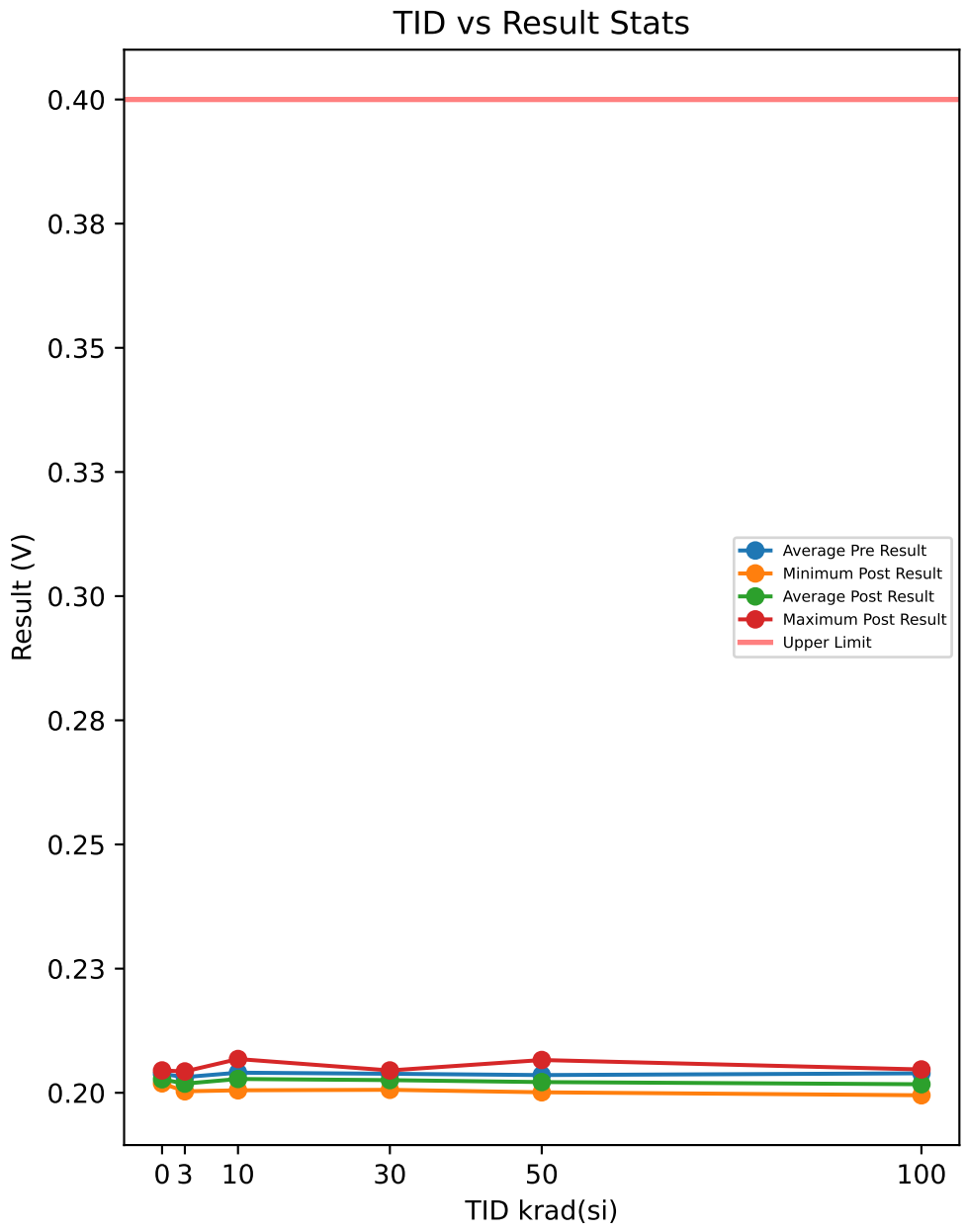
Test Results (Upper Limit = 0.4 (V))

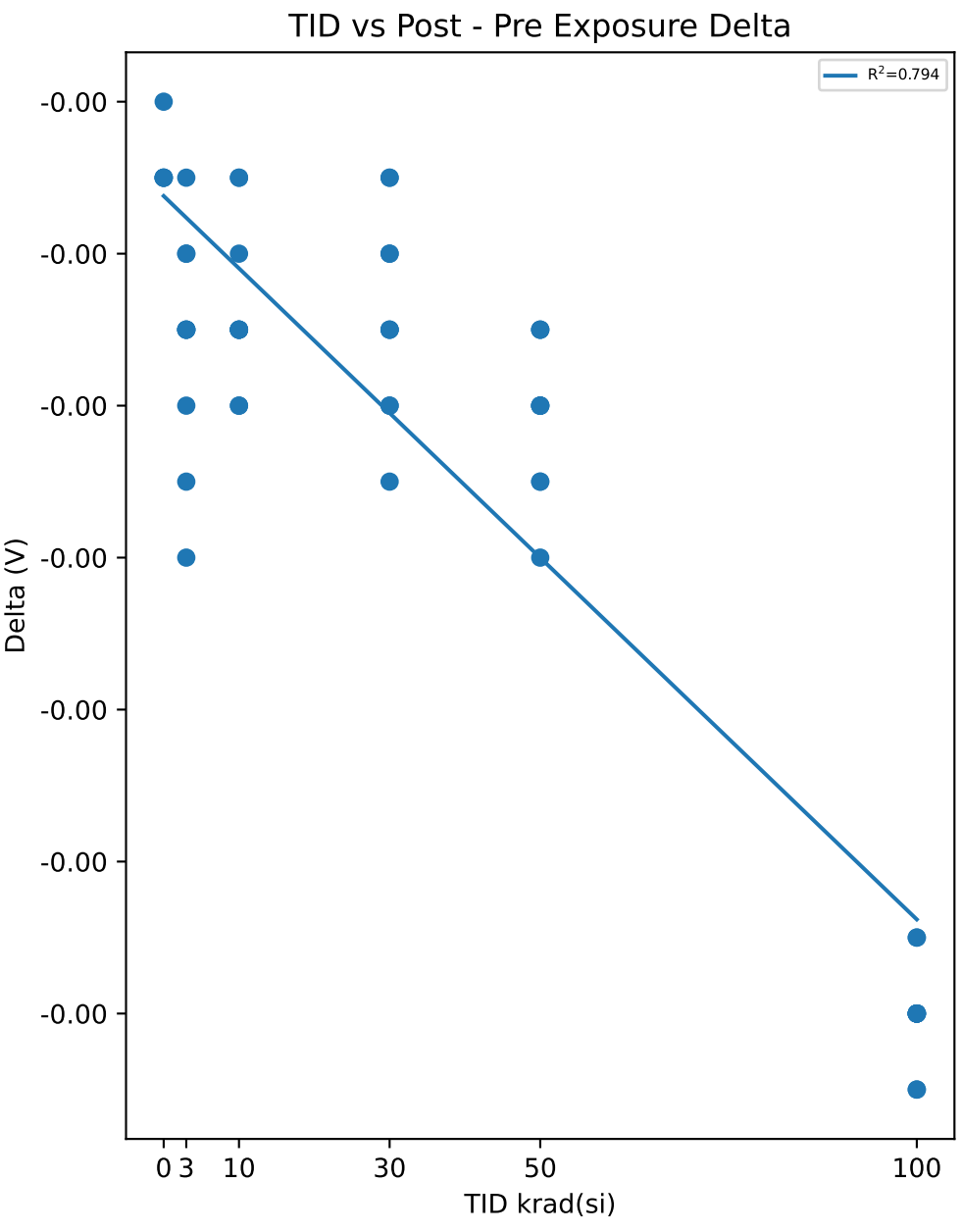
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2049	0.2035	-0.0014
2	3	Biased	0.2061	0.2049	-0.0012
3	3	Biased	0.2024	0.2012	-0.0012
4	3	Biased	0.2024	0.2014	-0.001
5	3	Biased	0.2036	0.2025	-0.0011
6	3	Unbiased	0.2039	0.2029	-0.001
7	3	Unbiased	0.2032	0.2023	-0.0009
8	3	Unbiased	0.2009	0.1999	-0.001
9	3	Unbiased	0.2018	0.2009	-0.0009
10	3	Unbiased	0.2027	0.2016	-0.0011
11	10	Biased	0.2021	0.2009	-0.0012
12	10	Biased	0.2072	0.2062	-0.001
13	10	Biased	0.2033	0.2022	-0.0011
14	10	Biased	0.2032	0.2022	-0.001
15	10	Biased	0.2032	0.2021	-0.0011
16	10	Unbiased	0.202	0.201	-0.001
17	10	Unbiased	0.2038	0.203	-0.0008
18	10	Unbiased	0.2071	0.206	-0.0011
19	10	Unbiased	0.2027	0.2016	-0.0011
20	10	Unbiased	0.2081	0.2072	-0.0009
21	30	Biased	0.2043	0.2032	-0.0011
22	30	Biased	0.2045	0.2036	-0.0009
23	30	Biased	0.2055	0.2046	-0.0009
24	30	Biased	0.2026	0.2018	-0.0008
25	30	Biased	0.2027	0.2016	-0.0011
26	30	Unbiased	0.2057	0.2045	-0.0012
27	30	Unbiased	0.2017	0.2005	-0.0012
28	30	Unbiased	0.2055	0.2043	-0.0012
29	30	Unbiased	0.2037	0.2025	-0.0012
30	30	Unbiased	0.2034	0.2025	-0.0009
31	50	Biased	0.2037	0.2025	-0.0012
32	50	Biased	0.2038	0.2026	-0.0012
33	50	Biased	0.2028	0.2017	-0.0011
34	50	Biased	0.2017	0.2007	-0.001
35	50	Biased	0.2065	0.2054	-0.0011
36	50	Unbiased	0.2062	0.2049	-0.0013
37	50	Unbiased	0.2024	0.2012	-0.0012
38	50	Unbiased	0.2016	0.2004	-0.0012
39	50	Unbiased	0.2034	0.2023	-0.0011
40	50	Unbiased	0.203	0.2018	-0.0012
41	100	Biased	0.207	0.2051	-0.0019
42	100	Biased	0.2017	0.1998	-0.0019
43	100	Biased	0.2057	0.2037	-0.002
44	100	Biased	0.203	0.2009	-0.0021
45	100	Biased	0.2033	0.2013	-0.002
46	100	Unbiased	0.2038	0.2017	-0.0021
47	100	Unbiased	0.2045	0.2025	-0.002
48	100	Unbiased	0.2021	0.2002	-0.0019
49	100	Unbiased	0.204	0.2021	-0.0019
50	100	Unbiased	0.2027	0.2006	-0.0021
51	0	Correlation	0.2026	0.2017	-0.0009
53	0	Correlation	0.2046	0.2039	-0.0007
54	0	Correlation	0.2031	0.2022	-0.0009
55	0	Correlation	0.2055	0.2046	-0.0009
56	0	Correlation	0.203	0.202	-0.001

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.2026	0.20376	0.2055	0.0012341	0.2017	0.20288	0.2046	0.0012872	-0.001	-0.00088	-0.0007	0.00010954
3	0.2009	0.20319	0.2061	0.0015176	0.1999	0.20211	0.2049	0.0014325	-0.0014	-0.00108	-0.0009	0.00015492
10	0.202	0.20427	0.2081	0.0022862	0.2009	0.20324	0.2072	0.0023277	-0.0012	-0.00103	-0.0008	0.00011595
30	0.2017	0.20396	0.2057	0.0013786	0.2005	0.20291	0.2046	0.0013731	-0.0012	-0.00105	-0.0008	0.00015811
50	0.2016	0.20351	0.2065	0.0016743	0.2004	0.20235	0.2054	0.0016487	-0.0013	-0.00116	-0.001	8.4327e-05
100	0.2017	0.20378	0.207	0.0016254	0.1998	0.20179	0.2051	0.0016381	-0.0021	-0.00199	-0.0019	8.756e-05

Device Test: 6.79; VOL_RESET_2MA_OD





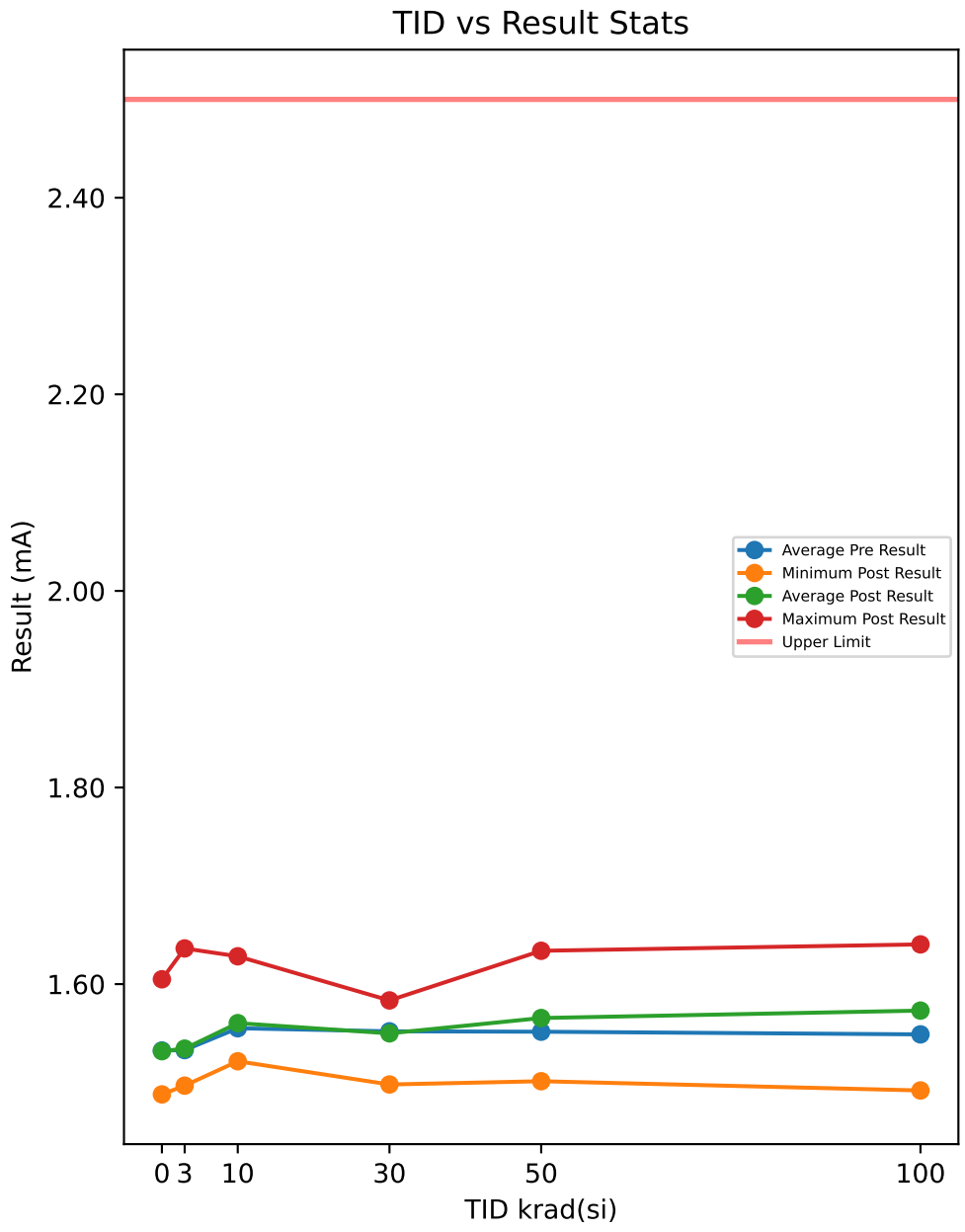
Test Results (Upper Limit = 0.4 (V))

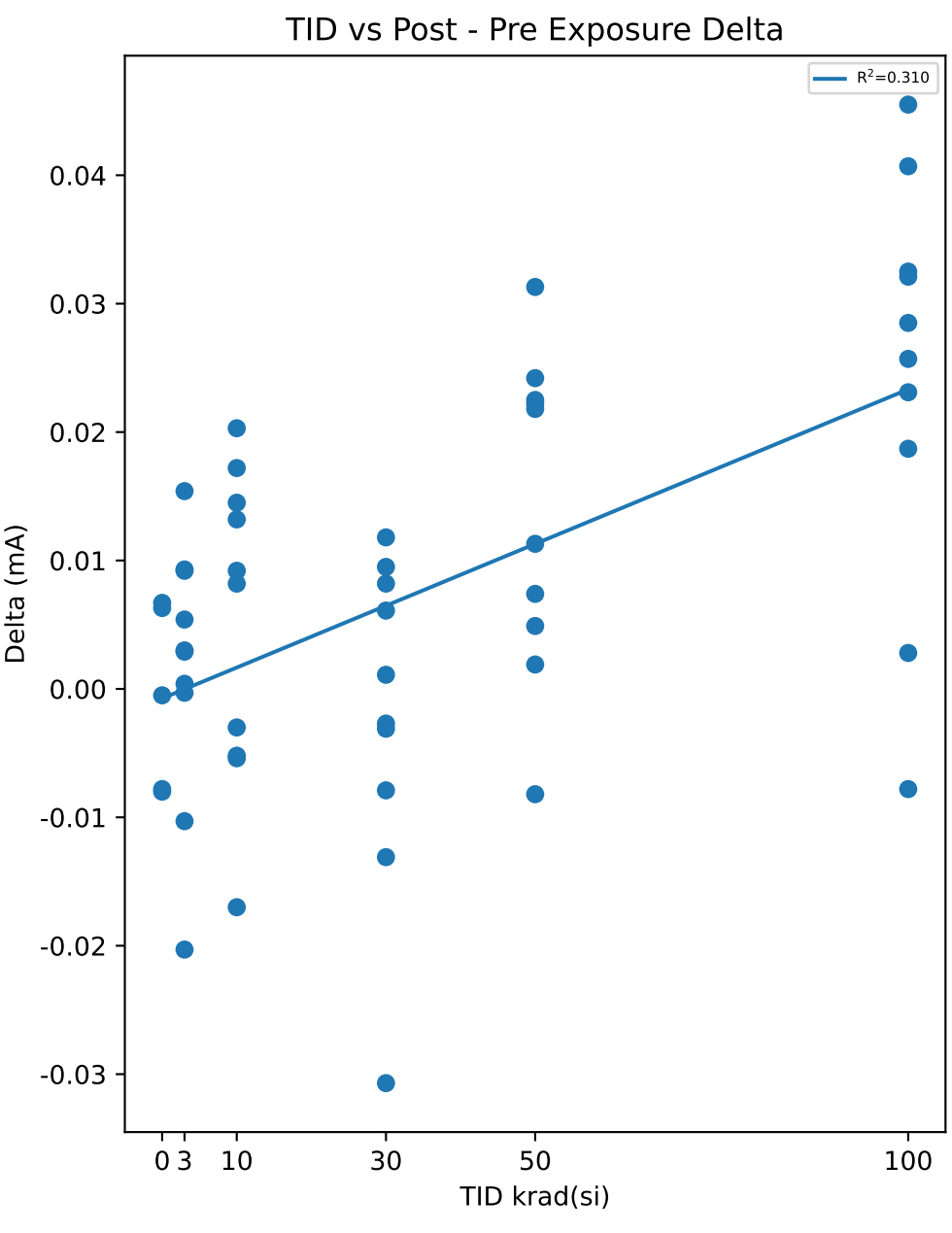
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.205	0.2034	-0.0016
2	3	Biased	0.2056	0.2043	-0.0013
3	3	Biased	0.2026	0.2011	-0.0015
4	3	Biased	0.2024	0.201	-0.0014
5	3	Biased	0.2035	0.2022	-0.0013
6	3	Unbiased	0.204	0.2028	-0.0012
7	3	Unbiased	0.2026	0.2015	-0.0011
8	3	Unbiased	0.2016	0.2003	-0.0013
9	3	Unbiased	0.202	0.2007	-0.0013
10	3	Unbiased	0.2023	0.2011	-0.0012
11	10	Biased	0.2018	0.2005	-0.0013
12	10	Biased	0.2073	0.206	-0.0013
13	10	Biased	0.2032	0.2019	-0.0013
14	10	Biased	0.2029	0.2015	-0.0014
15	10	Biased	0.2027	0.2013	-0.0014
16	10	Unbiased	0.2021	0.2009	-0.0012
17	10	Unbiased	0.2036	0.2023	-0.0013
18	10	Unbiased	0.2067	0.2054	-0.0013
19	10	Unbiased	0.2023	0.2012	-0.0011
20	10	Unbiased	0.2079	0.2068	-0.0011
21	30	Biased	0.2034	0.2021	-0.0013
22	30	Biased	0.2042	0.2028	-0.0014
23	30	Biased	0.2055	0.2044	-0.0011
24	30	Biased	0.2018	0.2006	-0.0012
25	30	Biased	0.203	0.2017	-0.0013
26	30	Unbiased	0.2053	0.204	-0.0013
27	30	Unbiased	0.202	0.2008	-0.0012
28	30	Unbiased	0.206	0.2045	-0.0015
29	30	Unbiased	0.2038	0.2024	-0.0014
30	30	Unbiased	0.2033	0.2022	-0.0011
31	50	Biased	0.2029	0.2016	-0.0013
32	50	Biased	0.204	0.2026	-0.0014
33	50	Biased	0.2022	0.2008	-0.0014
34	50	Biased	0.2014	0.2001	-0.0013
35	50	Biased	0.2079	0.2066	-0.0013
36	50	Unbiased	0.2067	0.2053	-0.0014
37	50	Unbiased	0.2023	0.2008	-0.0015
38	50	Unbiased	0.2018	0.2004	-0.0014
39	50	Unbiased	0.2039	0.2023	-0.0016
40	50	Unbiased	0.2026	0.2011	-0.0015
41	100	Biased	0.2068	0.2047	-0.0021
42	100	Biased	0.2017	0.1995	-0.0022
43	100	Biased	0.2056	0.2034	-0.0022
44	100	Biased	0.2037	0.2015	-0.0022
45	100	Biased	0.204	0.2017	-0.0023
46	100	Unbiased	0.2037	0.2015	-0.0022
47	100	Unbiased	0.2047	0.2026	-0.0021
48	100	Unbiased	0.2019	0.1997	-0.0022
49	100	Unbiased	0.2037	0.2014	-0.0023
50	100	Unbiased	0.2034	0.2012	-0.0022
51	0	Correlation	0.203	0.2019	-0.0011
53	0	Correlation	0.2043	0.2033	-0.001
54	0	Correlation	0.2031	0.202	-0.0011
55	0	Correlation	0.2056	0.2045	-0.0011
56	0	Correlation	0.203	0.2019	-0.0011

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	0.203	0.2038	0.2056	0.0011467	0.2019	0.20272	0.2045	0.0011584	-0.0011	-0.00108	-0.001	4.4721e-05
3	0.2016	0.20316	0.2056	0.0013285	0.2003	0.20184	0.2043	0.0012963	-0.0016	-0.00132	-0.0011	0.00014757
10	0.2018	0.20405	0.2079	0.0023191	0.2005	0.20278	0.2068	0.0023442	-0.0014	-0.00127	-0.0011	0.00010593
30	0.2018	0.20383	0.206	0.0014307	0.2006	0.20255	0.2045	0.0013874	-0.0015	-0.00128	-0.0011	0.00013166
50	0.2014	0.20357	0.2079	0.0021489	0.2001	0.20216	0.2066	0.002167	-0.0016	-0.00141	-0.0013	9.9443e-05
100	0.2017	0.20392	0.2068	0.0015332	0.1995	0.20172	0.2047	0.0015619	-0.0023	-0.0022	-0.0021	6.6667e-05

Device Test: 6.8; IQ





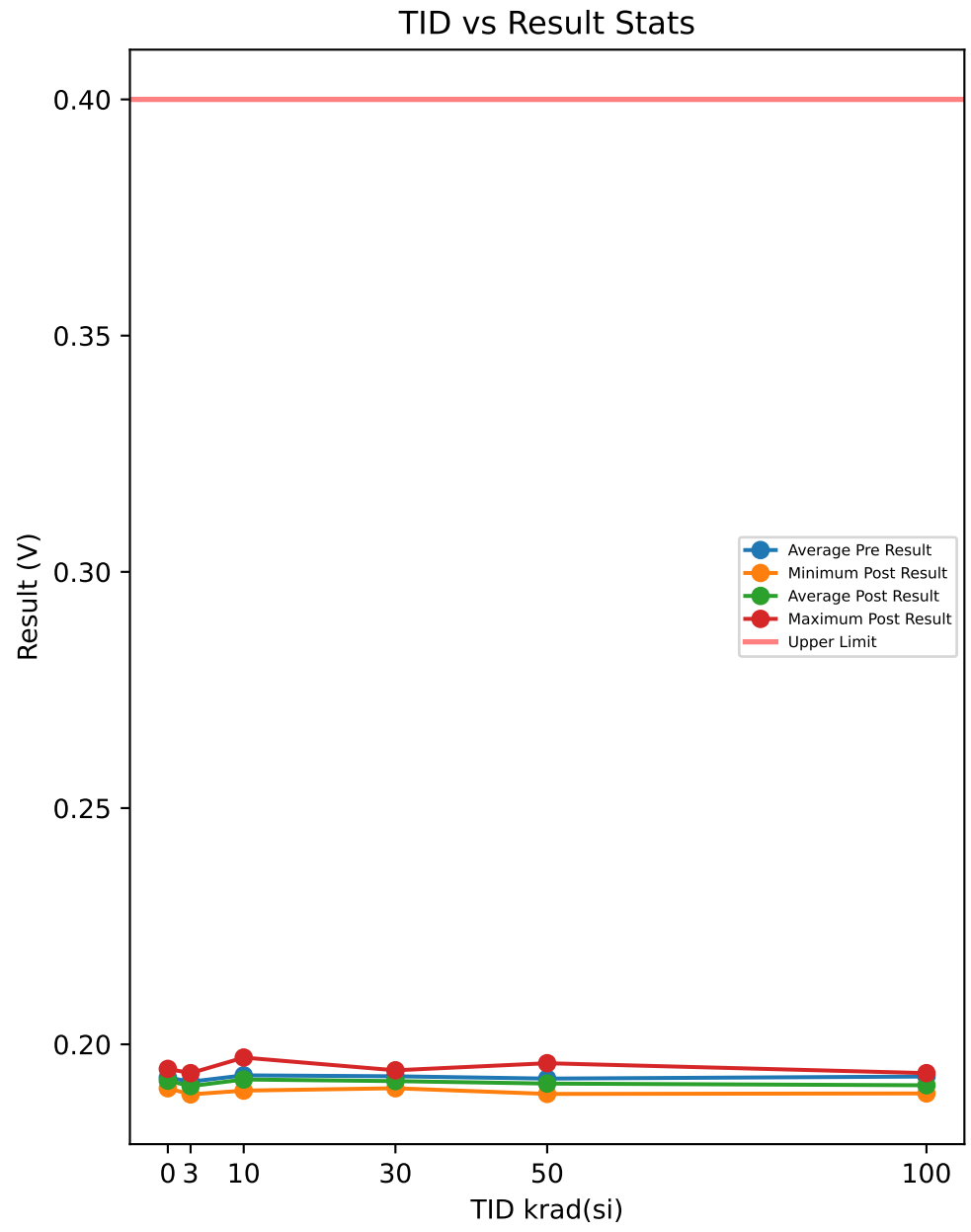
Test Results (Upper Limit = 2.5 (mA))

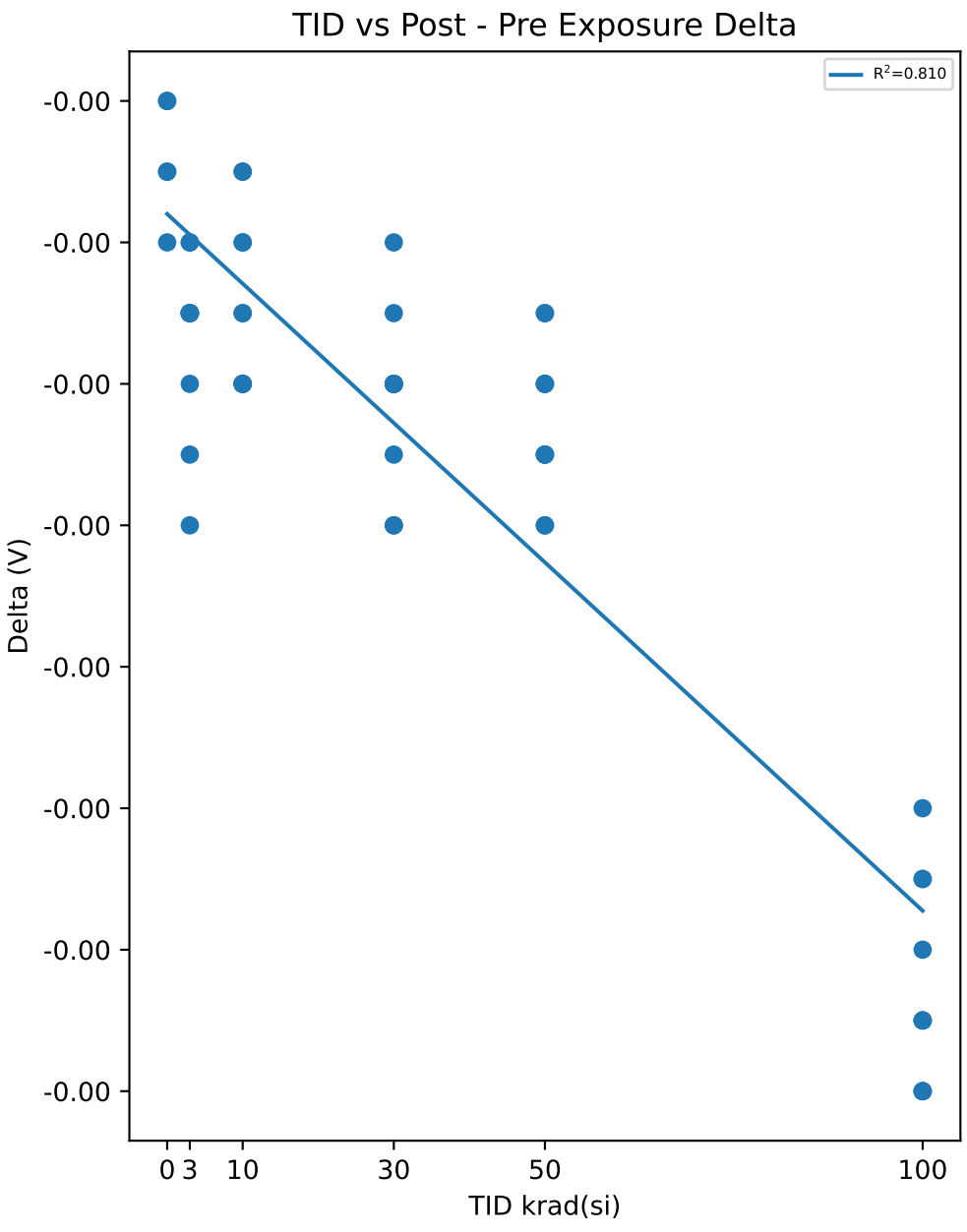
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	1.5442	1.5339	-0.0103
2	3	Biased	1.5263	1.5356	0.0093
3	3	Biased	1.5028	1.5182	0.0154
4	3	Biased	1.5583	1.538	-0.0203
5	3	Biased	1.5093	1.5122	0.0029
6	3	Unbiased	1.4942	1.4972	0.003
7	3	Unbiased	1.5281	1.5335	0.0054
8	3	Unbiased	1.497	1.4967	-0.0003
9	3	Unbiased	1.6359	1.6363	0.0004
10	3	Unbiased	1.5326	1.5418	0.0092
11	10	Biased	1.5385	1.5215	-0.017
12	10	Biased	1.5497	1.5589	0.0092
13	10	Biased	1.5527	1.5497	-0.003
14	10	Biased	1.5825	1.5773	-0.0052
15	10	Biased	1.5291	1.5423	0.0132
16	10	Unbiased	1.541	1.5613	0.0203
17	10	Unbiased	1.536	1.5306	-0.0054
18	10	Unbiased	1.6201	1.6283	0.0082
19	10	Unbiased	1.5341	1.5486	0.0145
20	10	Unbiased	1.5672	1.5844	0.0172
21	30	Biased	1.504	1.5051	0.0011
22	30	Biased	1.5752	1.5834	0.0082
23	30	Biased	1.5319	1.5414	0.0095
24	30	Biased	1.5384	1.5357	-0.0027
25	30	Biased	1.588	1.5801	-0.0079
26	30	Unbiased	1.5701	1.567	-0.0031
27	30	Unbiased	1.5697	1.539	-0.0307
28	30	Unbiased	1.5556	1.5674	0.0118
29	30	Unbiased	1.511	1.4979	-0.0131
30	30	Unbiased	1.5759	1.582	0.0061
31	50	Biased	1.5258	1.5307	0.0049
32	50	Biased	1.5445	1.5663	0.0218
33	50	Biased	1.5339	1.5652	0.0313
34	50	Biased	1.5947	1.6172	0.0225
35	50	Biased	1.4952	1.5174	0.0222
36	50	Unbiased	1.5579	1.5497	-0.0082
37	50	Unbiased	1.477	1.5012	0.0242
38	50	Unbiased	1.5333	1.5446	0.0113
39	50	Unbiased	1.6265	1.6339	0.0074
40	50	Unbiased	1.6269	1.6288	0.0019
41	100	Biased	1.4593	1.4918	0.0325
42	100	Biased	1.5467	1.5389	-0.0078
43	100	Biased	1.5131	1.5586	0.0455
44	100	Biased	1.6173	1.6404	0.0231
45	100	Biased	1.5193	1.545	0.0257
46	100	Unbiased	1.5574	1.5859	0.0285
47	100	Unbiased	1.569	1.6011	0.0321
48	100	Unbiased	1.5529	1.5936	0.0407
49	100	Unbiased	1.6273	1.6301	0.0028
50	100	Unbiased	1.5263	1.545	0.0187
51	0	Correlation	1.4914	1.4909	-0.0005
53	0	Correlation	1.4958	1.4878	-0.008
54	0	Correlation	1.532	1.5383	0.0063
55	0	Correlation	1.5982	1.6049	0.0067
56	0	Correlation	1.5448	1.537	-0.0078

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	1.4914	1.5324	1.5982	0.043313	1.4878	1.5318	1.6049	0.047491	-0.008	-0.00066	0.0067	0.0072023
3	1.4942	1.5329	1.6359	0.041764	1.4967	1.5343	1.6363	0.039461	-0.0203	0.00147	0.0154	0.010283
10	1.5291	1.5551	1.6201	0.028113	1.5215	1.5603	1.6283	0.030655	-0.017	0.0052	0.0203	0.012148
30	1.504	1.552	1.588	0.029123	1.4979	1.5499	1.5834	0.031211	-0.0307	-0.00208	0.0118	0.012847
50	1.477	1.5516	1.6269	0.050868	1.5012	1.5655	1.6339	0.046791	-0.0082	0.01393	0.0313	0.012367
100	1.4593	1.5489	1.6273	0.049463	1.4918	1.573	1.6404	0.045601	-0.0078	0.02418	0.0455	0.016301

Device Test: 6.80; VOL_WDO_2MA_OD





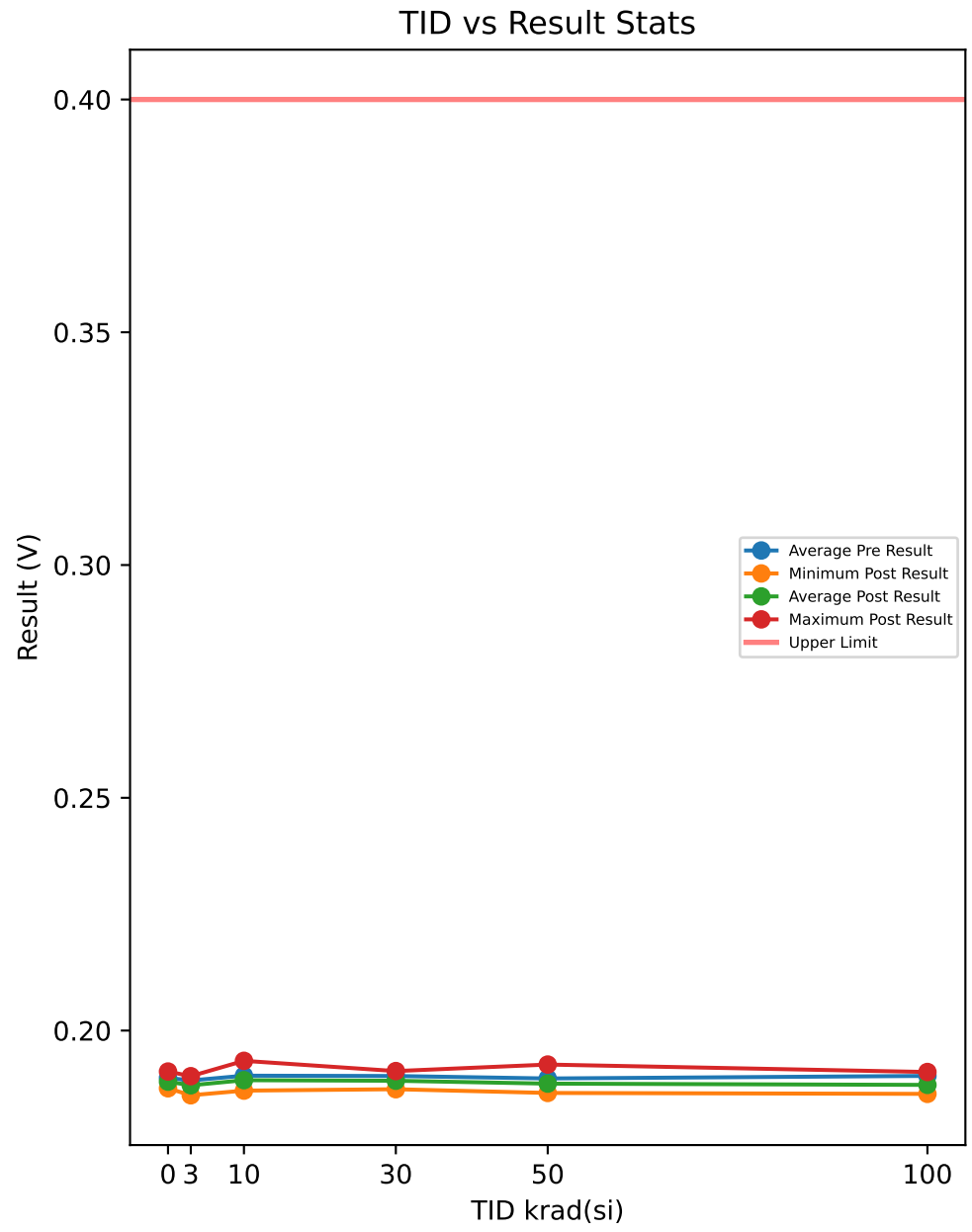
Test Results (Upper Limit = 0.4 (V))

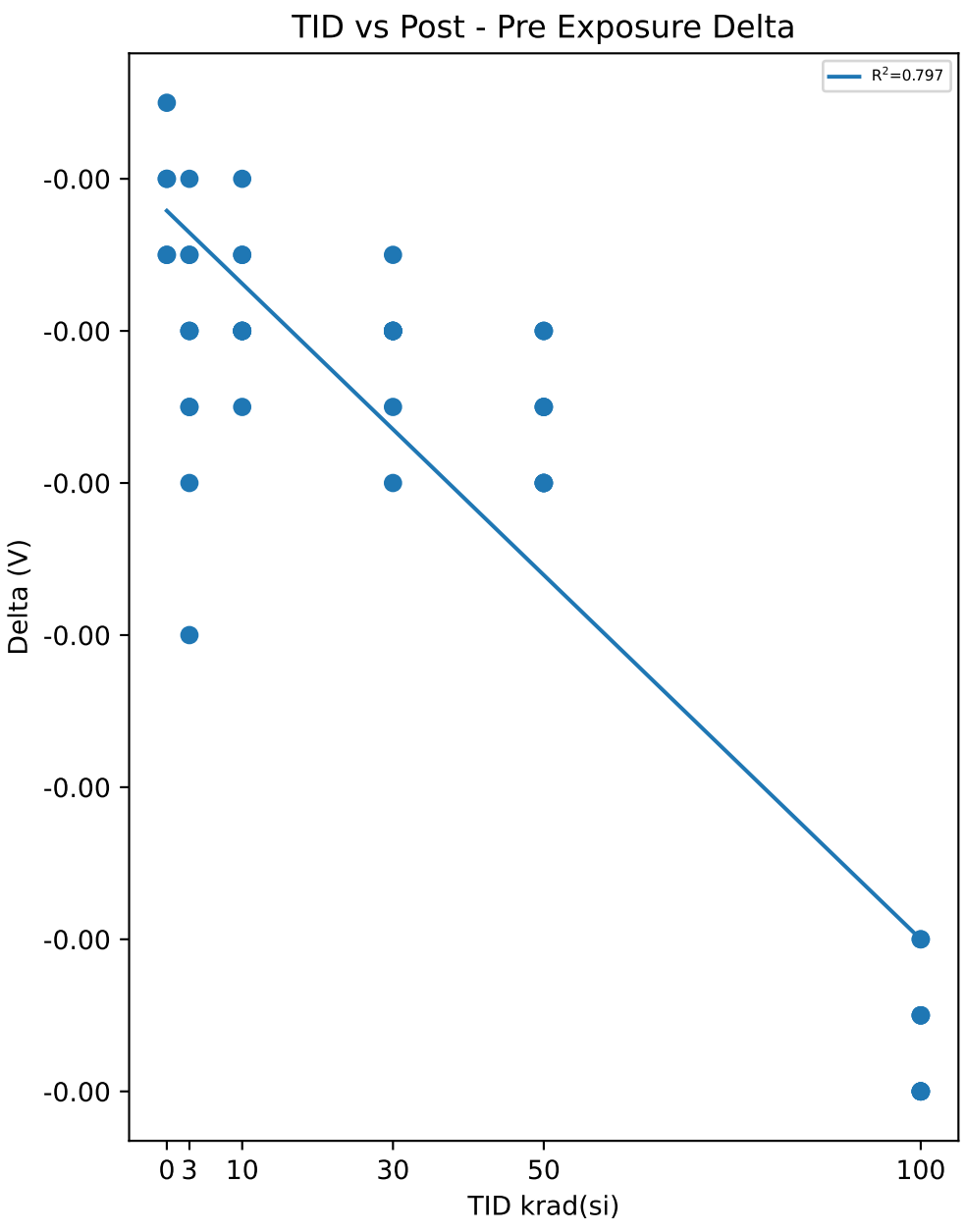
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.1936	0.1924	-0.0012
2	3	Biased	0.195	0.1939	-0.0011
3	3	Biased	0.1908	0.1899	-0.0009
4	3	Biased	0.1913	0.1903	-0.001
5	3	Biased	0.1927	0.1919	-0.0008
6	3	Unbiased	0.1923	0.1914	-0.0009
7	3	Unbiased	0.1923	0.1914	-0.0009
8	3	Unbiased	0.1903	0.1894	-0.0009
9	3	Unbiased	0.1904	0.1895	-0.0009
10	3	Unbiased	0.1922	0.1914	-0.0008
11	10	Biased	0.1913	0.1903	-0.001
12	10	Biased	0.1971	0.1962	-0.0009
13	10	Biased	0.1926	0.1916	-0.001
14	10	Biased	0.1918	0.191	-0.0008
15	10	Biased	0.1919	0.191	-0.0009
16	10	Unbiased	0.1915	0.1907	-0.0008
17	10	Unbiased	0.1926	0.1919	-0.0007
18	10	Unbiased	0.1964	0.1954	-0.001
19	10	Unbiased	0.1912	0.1902	-0.001
20	10	Unbiased	0.1979	0.1972	-0.0007
21	30	Biased	0.1931	0.1921	-0.001
22	30	Biased	0.1933	0.1921	-0.0012
23	30	Biased	0.1946	0.1936	-0.001
24	30	Biased	0.192	0.1912	-0.0008
25	30	Biased	0.1919	0.191	-0.0009
26	30	Unbiased	0.1954	0.1944	-0.001
27	30	Unbiased	0.1917	0.1907	-0.001
28	30	Unbiased	0.1955	0.1945	-0.001
29	30	Unbiased	0.1928	0.1917	-0.0011
30	30	Unbiased	0.192	0.1908	-0.0012
31	50	Biased	0.1915	0.1905	-0.001
32	50	Biased	0.1923	0.1914	-0.0009
33	50	Biased	0.1913	0.1902	-0.0011
34	50	Biased	0.1905	0.1895	-0.001
35	50	Biased	0.197	0.196	-0.001
36	50	Unbiased	0.1967	0.1958	-0.0009
37	50	Unbiased	0.1912	0.19	-0.0012
38	50	Unbiased	0.1911	0.19	-0.0011
39	50	Unbiased	0.1934	0.1922	-0.0012
40	50	Unbiased	0.1924	0.1913	-0.0011
41	100	Biased	0.1949	0.1932	-0.0017
42	100	Biased	0.1916	0.1897	-0.0019
43	100	Biased	0.1959	0.1939	-0.002
44	100	Biased	0.192	0.19	-0.002
45	100	Biased	0.1931	0.1914	-0.0017
46	100	Unbiased	0.1935	0.1917	-0.0018
47	100	Unbiased	0.1946	0.193	-0.0016
48	100	Unbiased	0.1915	0.1896	-0.0019
49	100	Unbiased	0.1925	0.1906	-0.0019
50	100	Unbiased	0.1922	0.1902	-0.002
51	0	Correlation	0.1913	0.1907	-0.0006
53	0	Correlation	0.1938	0.1932	-0.0006
54	0	Correlation	0.1924	0.1917	-0.0007
55	0	Correlation	0.1955	0.1948	-0.0007
56	0	Correlation	0.1919	0.1911	-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	0.1913	0.19298	0.1955	0.0016843	0.1907	0.1923	0.1948	0.0016897	-0.0008	-0.00068	-0.0006	8.3666e-05
3	0.1903	0.19209	0.195	0.0014746	0.1894	0.19115	0.1939	0.0014121	-0.0012	-0.00094	-0.0008	0.00012649
10	0.1912	0.19343	0.1979	0.0026221	0.1902	0.19255	0.1972	0.0026501	-0.001	-0.00088	-0.0007	0.00012293
30	0.1917	0.19323	0.1955	0.0014561	0.1907	0.19221	0.1945	0.0014533	-0.0012	-0.00102	-0.0008	0.00012293
50	0.1905	0.19274	0.197	0.0023157	0.1895	0.19169	0.196	0.0023596	-0.0012	-0.00105	-0.0009	0.00010801
100	0.1915	0.19318	0.1959	0.0015135	0.1896	0.19133	0.1939	0.0015727	-0.002	-0.00185	-0.0016	0.00014337

Device Test: 6.81; VOL_PWRGD_2MA_OD





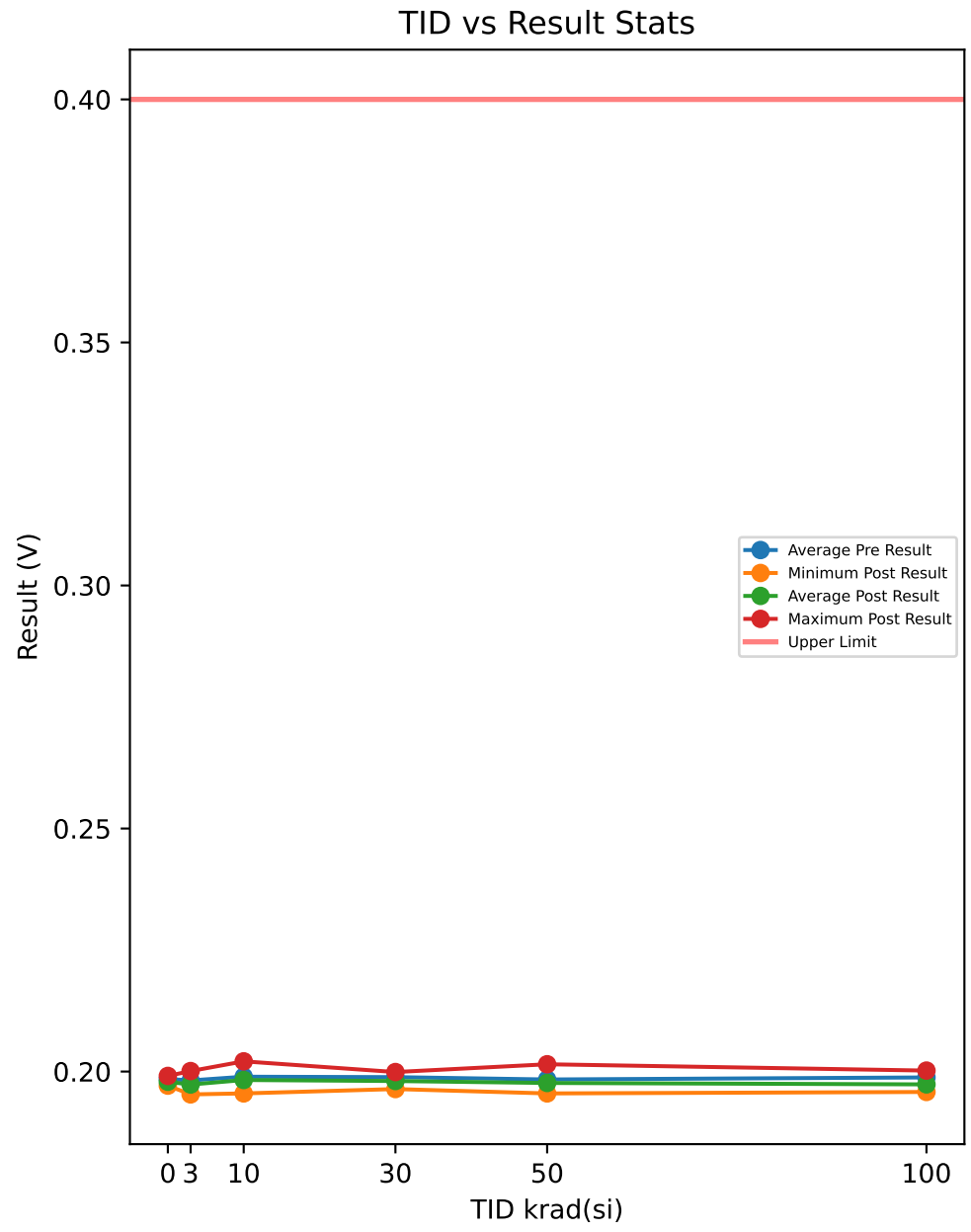
Test Results (Upper Limit = 0.4 (V))

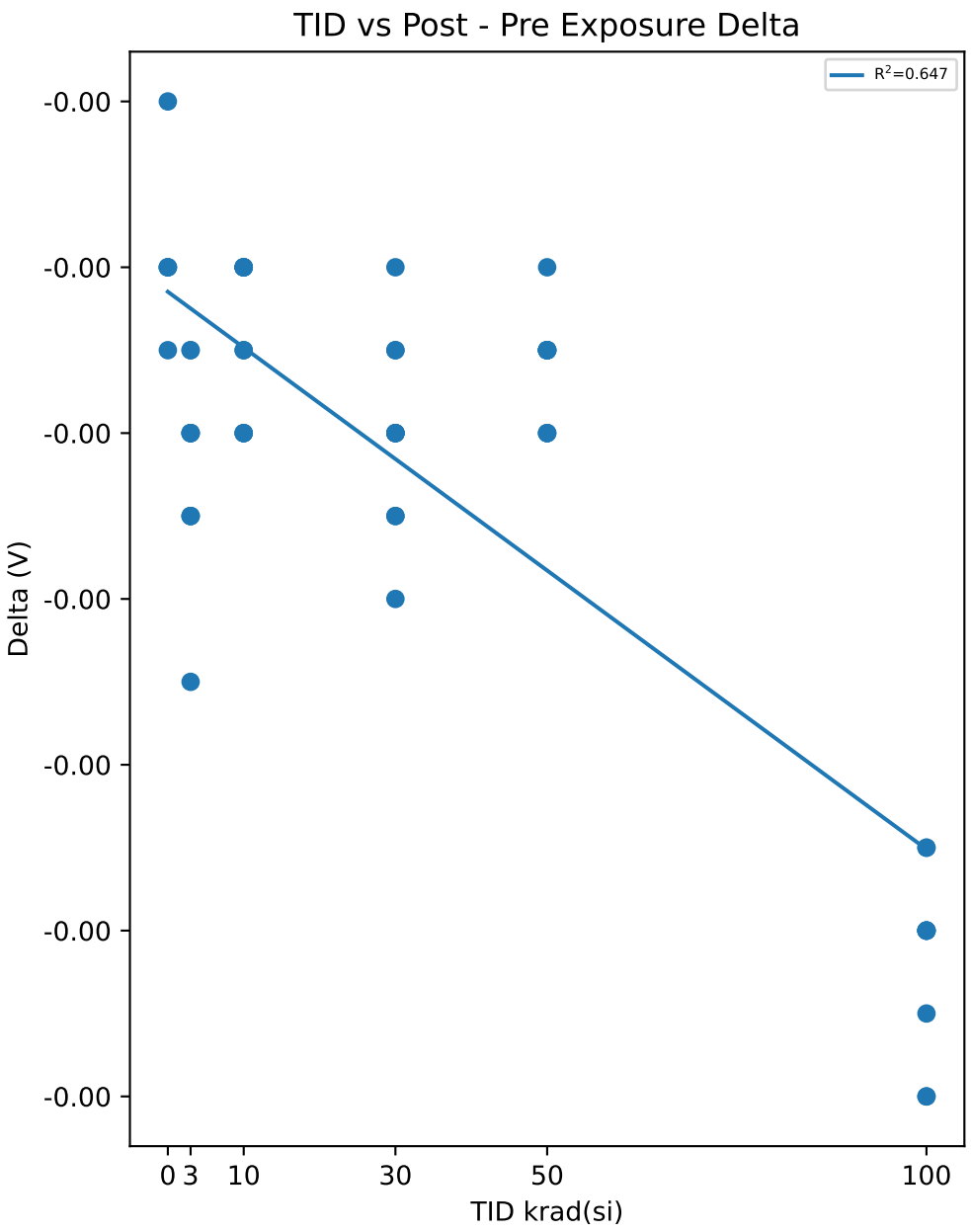
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.1911	0.1897	-0.0014
2	3	Biased	0.1913	0.1902	-0.0011
3	3	Biased	0.1884	0.1872	-0.0012
4	3	Biased	0.1887	0.1876	-0.0011
5	3	Biased	0.1898	0.1888	-0.001
6	3	Unbiased	0.1898	0.1888	-0.001
7	3	Unbiased	0.19	0.1892	-0.0008
8	3	Unbiased	0.1871	0.1861	-0.001
9	3	Unbiased	0.1878	0.1869	-0.0009
10	3	Unbiased	0.1888	0.1879	-0.0009
11	10	Biased	0.1882	0.1873	-0.0009
12	10	Biased	0.1943	0.1933	-0.001
13	10	Biased	0.1894	0.1883	-0.0011
14	10	Biased	0.1889	0.1879	-0.001
15	10	Biased	0.1885	0.1875	-0.001
16	10	Unbiased	0.1881	0.1871	-0.001
17	10	Unbiased	0.1897	0.1888	-0.0009
18	10	Unbiased	0.1932	0.1922	-0.001
19	10	Unbiased	0.1883	0.1875	-0.0008
20	10	Unbiased	0.1945	0.1935	-0.001
21	30	Biased	0.1901	0.1891	-0.001
22	30	Biased	0.1904	0.1894	-0.001
23	30	Biased	0.1909	0.19	-0.0009
24	30	Biased	0.189	0.188	-0.001
25	30	Biased	0.1894	0.1884	-0.001
26	30	Unbiased	0.1924	0.1913	-0.0011
27	30	Unbiased	0.1884	0.1874	-0.001
28	30	Unbiased	0.1925	0.1913	-0.0012
29	30	Unbiased	0.1899	0.1889	-0.001
30	30	Unbiased	0.1894	0.1884	-0.001
31	50	Biased	0.1891	0.1881	-0.001
32	50	Biased	0.1896	0.1886	-0.001
33	50	Biased	0.189	0.1879	-0.0011
34	50	Biased	0.1878	0.1866	-0.0012
35	50	Biased	0.1937	0.1927	-0.001
36	50	Unbiased	0.1929	0.1918	-0.0011
37	50	Unbiased	0.1882	0.187	-0.0012
38	50	Unbiased	0.1878	0.1867	-0.0011
39	50	Unbiased	0.1898	0.1886	-0.0012
40	50	Unbiased	0.1892	0.188	-0.0012
41	100	Biased	0.1922	0.1904	-0.0018
42	100	Biased	0.1883	0.1864	-0.0019
43	100	Biased	0.1931	0.1911	-0.002
44	100	Biased	0.1892	0.1873	-0.0019
45	100	Biased	0.1903	0.1883	-0.002
46	100	Unbiased	0.1904	0.1884	-0.002
47	100	Unbiased	0.1923	0.1904	-0.0019
48	100	Unbiased	0.1882	0.1864	-0.0018
49	100	Unbiased	0.1895	0.1875	-0.002
50	100	Unbiased	0.1891	0.1871	-0.002
51	0	Correlation	0.1885	0.1876	-0.0009
53	0	Correlation	0.19	0.1893	-0.0007
54	0	Correlation	0.1895	0.1887	-0.0008
55	0	Correlation	0.192	0.1912	-0.0008
56	0	Correlation	0.1892	0.1883	-0.0009

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	0.1885	0.18984	0.192	0.001324	0.1876	0.18902	0.1912	0.0013664	-0.0009	-0.00082	-0.0007	8.3666e-05
3	0.1871	0.18928	0.1913	0.0013637	0.1861	0.18824	0.1902	0.0013125	-0.0014	-0.00104	-0.0008	0.00017127
10	0.1881	0.19031	0.1945	0.0026177	0.1871	0.18934	0.1935	0.0025941	-0.0011	-0.00097	-0.0008	8.2327e-05
30	0.1884	0.19024	0.1925	0.0013624	0.1874	0.18922	0.1913	0.0013147	-0.0012	-0.00102	-0.0009	7.8881e-05
50	0.1878	0.18971	0.1937	0.0020229	0.1866	0.1886	0.1927	0.0020634	-0.0012	-0.00111	-0.001	8.756e-05
100	0.1882	0.19026	0.1931	0.0017367	0.1864	0.18833	0.1911	0.0017308	-0.002	-0.00193	-0.0018	8.2327e-05

Device Test: 6.82; VOL_RESET_2MA_OD





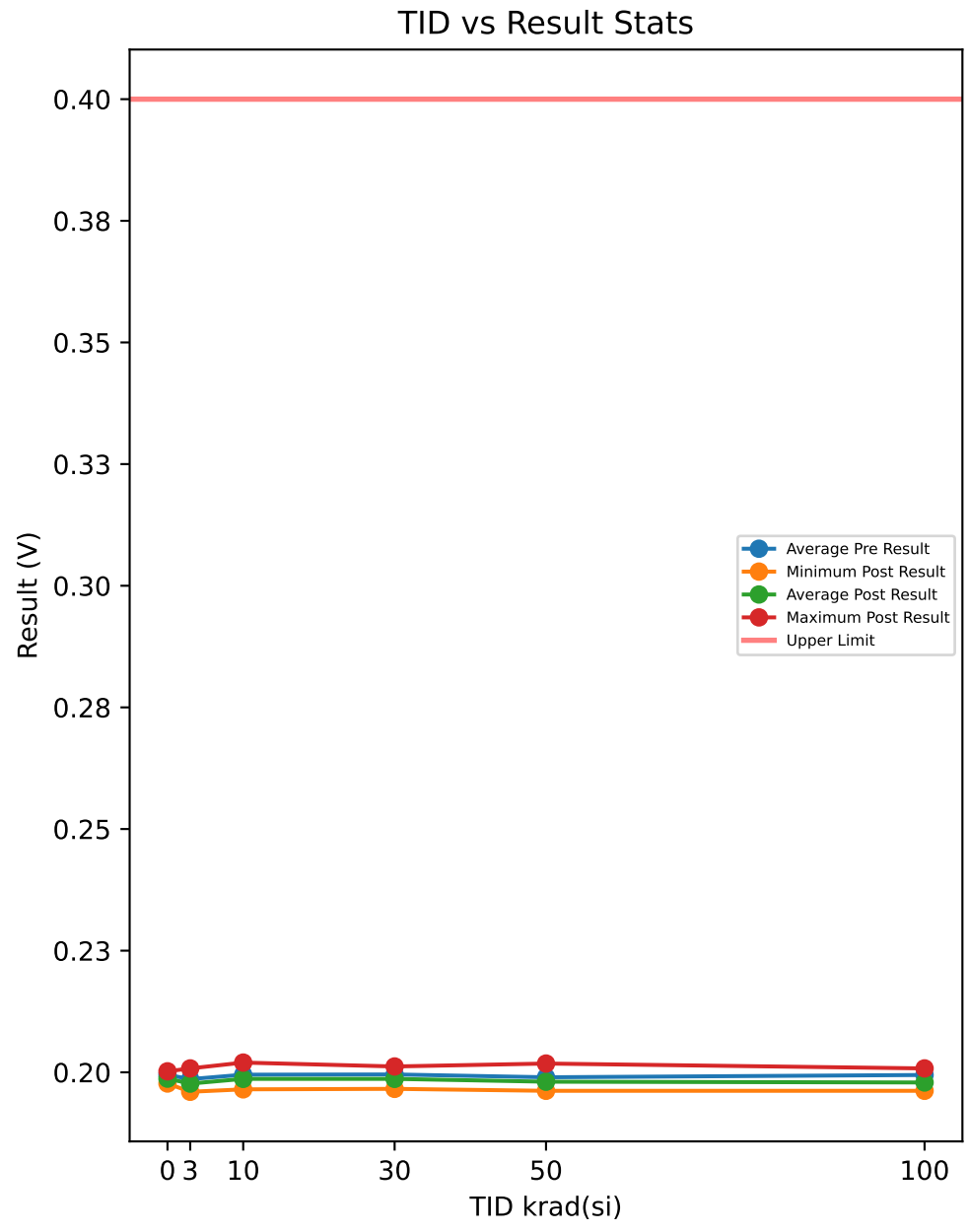
Test Results (Upper Limit = 0.4 (V))

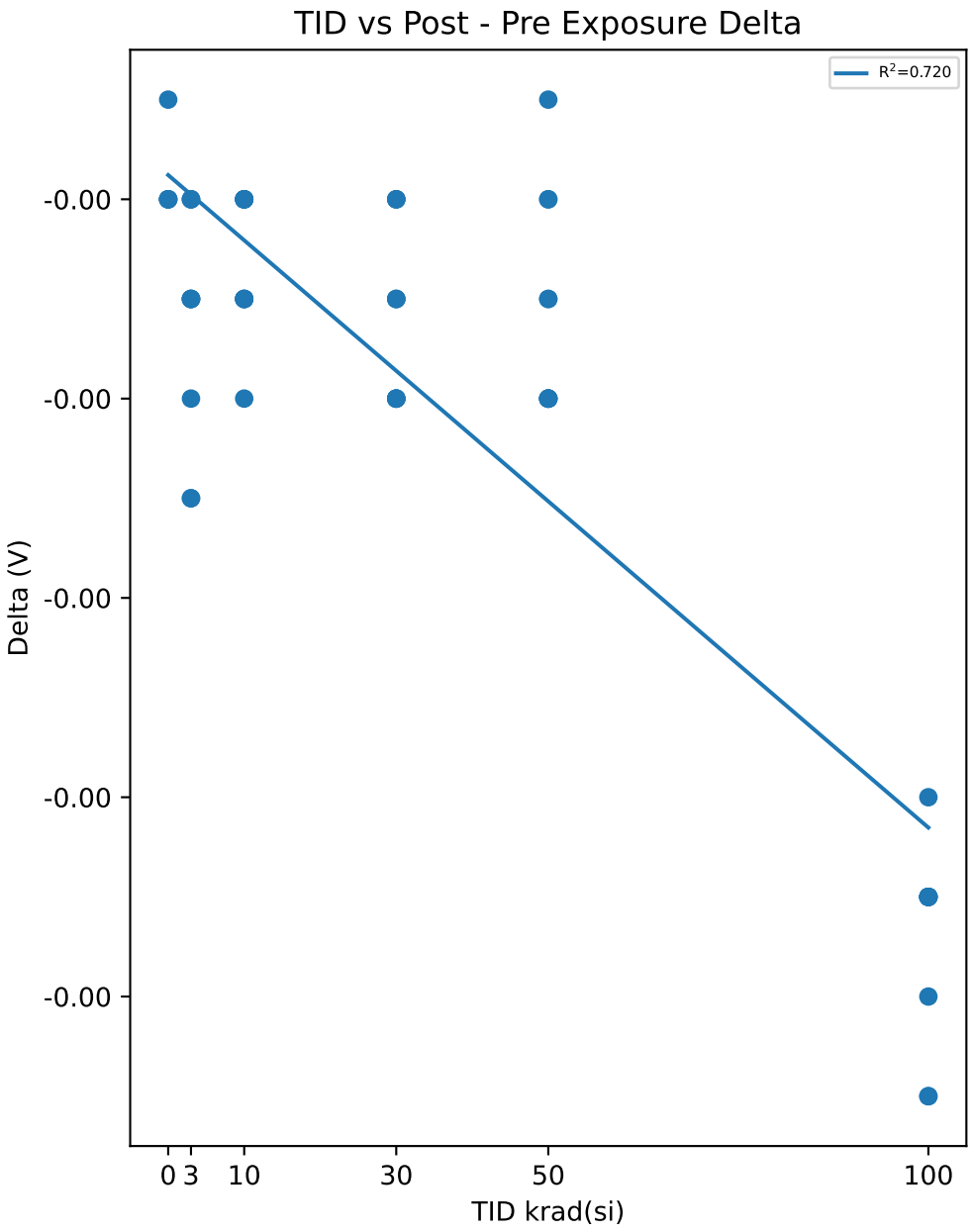
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.1997	0.1986	-0.0011
2	3	Biased	0.201	0.2001	-0.0009
3	3	Biased	0.1979	0.197	-0.0009
4	3	Biased	0.1977	0.1969	-0.0008
5	3	Biased	0.198	0.1972	-0.0008
6	3	Unbiased	0.1986	0.1978	-0.0008
7	3	Unbiased	0.1985	0.1977	-0.0008
8	3	Unbiased	0.1965	0.1956	-0.0009
9	3	Unbiased	0.196	0.1953	-0.0007
10	3	Unbiased	0.1978	0.1971	-0.0007
11	10	Biased	0.1963	0.1955	-0.0008
12	10	Biased	0.2029	0.2021	-0.0008
13	10	Biased	0.1984	0.1977	-0.0007
14	10	Biased	0.1976	0.1968	-0.0008
15	10	Biased	0.1979	0.1973	-0.0006
16	10	Unbiased	0.1975	0.1969	-0.0006
17	10	Unbiased	0.1982	0.1976	-0.0006
18	10	Unbiased	0.2014	0.2007	-0.0007
19	10	Unbiased	0.1972	0.1966	-0.0006
20	10	Unbiased	0.202	0.2014	-0.0006
21	30	Biased	0.1991	0.1981	-0.001
22	30	Biased	0.1985	0.1977	-0.0008
23	30	Biased	0.2007	0.1999	-0.0008
24	30	Biased	0.1974	0.1968	-0.0006
25	30	Biased	0.1974	0.1967	-0.0007
26	30	Unbiased	0.2003	0.1994	-0.0009
27	30	Unbiased	0.1973	0.1964	-0.0009
28	30	Unbiased	0.2001	0.1993	-0.0008
29	30	Unbiased	0.1987	0.1979	-0.0008
30	30	Unbiased	0.199	0.1983	-0.0007
31	50	Biased	0.1984	0.1977	-0.0007
32	50	Biased	0.1987	0.1981	-0.0006
33	50	Biased	0.1974	0.1967	-0.0007
34	50	Biased	0.1963	0.1955	-0.0008
35	50	Biased	0.2022	0.2015	-0.0007
36	50	Unbiased	0.201	0.2003	-0.0007
37	50	Unbiased	0.197	0.1963	-0.0007
38	50	Unbiased	0.1965	0.1957	-0.0008
39	50	Unbiased	0.1981	0.1973	-0.0008
40	50	Unbiased	0.1981	0.1974	-0.0007
41	100	Biased	0.2015	0.2002	-0.0013
42	100	Biased	0.1972	0.1958	-0.0014
43	100	Biased	0.2011	0.1995	-0.0016
44	100	Biased	0.198	0.1966	-0.0014
45	100	Biased	0.1981	0.1965	-0.0016
46	100	Unbiased	0.1992	0.1978	-0.0014
47	100	Unbiased	0.1995	0.1981	-0.0014
48	100	Unbiased	0.1974	0.1961	-0.0013
49	100	Unbiased	0.198	0.1966	-0.0014
50	100	Unbiased	0.1979	0.1964	-0.0015
51	0	Correlation	0.1977	0.1971	-0.0006
53	0	Correlation	0.1996	0.199	-0.0006
54	0	Correlation	0.1975	0.1971	-0.0004
55	0	Correlation	0.1997	0.1991	-0.0006
56	0	Correlation	0.1979	0.1972	-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	0.1975	0.19848	0.1997	0.001078	0.1971	0.1979	0.1991	0.0010512	-0.0007	-0.00058	-0.0004	0.00010954
3	0.196	0.19817	0.201	0.0014376	0.1953	0.19733	0.2001	0.0013793	-0.0011	-0.00084	-0.0007	0.00011738
10	0.1963	0.19894	0.2029	0.0022824	0.1955	0.19826	0.2021	0.0022751	-0.0008	-0.00068	-0.0006	9.1894e-05
30	0.1973	0.19885	0.2007	0.0012439	0.1964	0.19805	0.1999	0.0012076	-0.001	-0.0008	-0.0006	0.00011547
50	0.1963	0.19837	0.2022	0.0018986	0.1955	0.19765	0.2015	0.001926	-0.0008	-0.00072	-0.0006	6.3246e-05
100	0.1972	0.19879	0.2015	0.0015029	0.1958	0.19736	0.2002	0.001499	-0.0016	-0.00143	-0.0013	0.00010593

Device Test: 6.83; VOL_RESET_2MA_OD





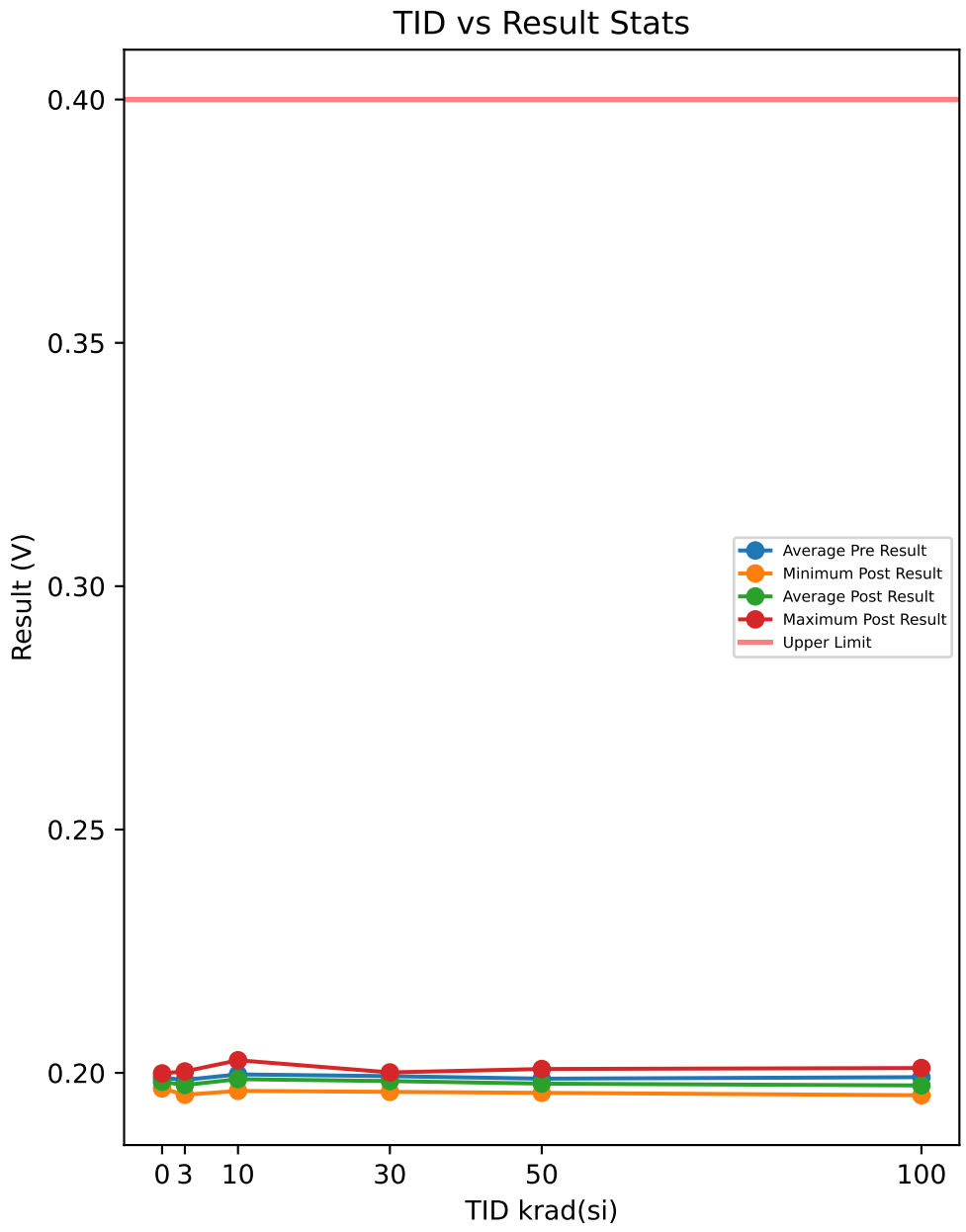
Test Results (Upper Limit = 0.4 (V))

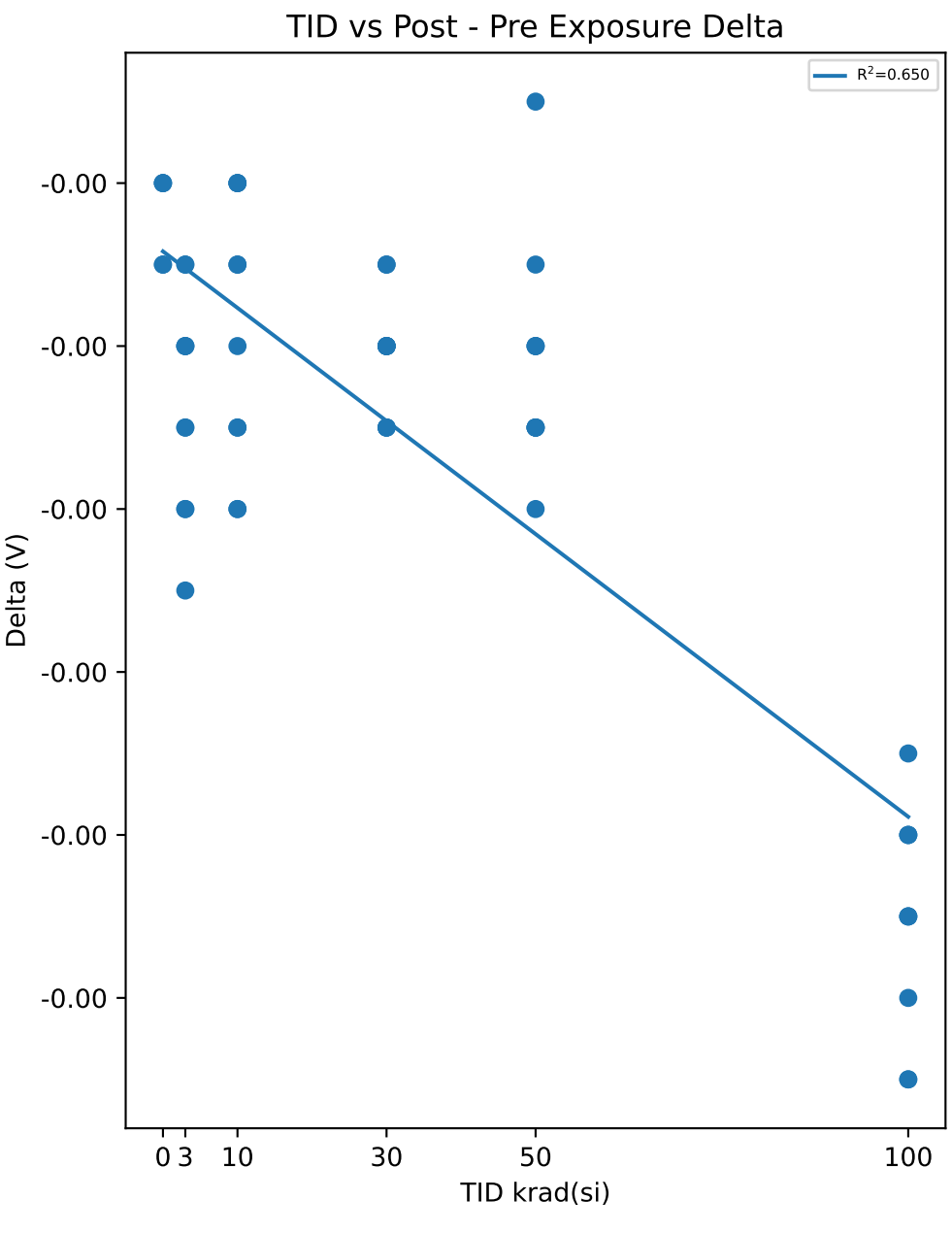
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2004	0.1993	-0.0011
2	3	Biased	0.2019	0.2008	-0.0011
3	3	Biased	0.1978	0.1968	-0.001
4	3	Biased	0.1976	0.1967	-0.0009
5	3	Biased	0.1985	0.1976	-0.0009
6	3	Unbiased	0.1992	0.1984	-0.0008
7	3	Unbiased	0.1988	0.198	-0.0008
8	3	Unbiased	0.1968	0.196	-0.0008
9	3	Unbiased	0.1969	0.196	-0.0009
10	3	Unbiased	0.1981	0.1972	-0.0009
11	10	Biased	0.1974	0.1965	-0.0009
12	10	Biased	0.2027	0.2017	-0.001
13	10	Biased	0.1989	0.198	-0.0009
14	10	Biased	0.1984	0.1976	-0.0008
15	10	Biased	0.1988	0.198	-0.0008
16	10	Unbiased	0.198	0.1972	-0.0008
17	10	Unbiased	0.1989	0.198	-0.0009
18	10	Unbiased	0.2017	0.2009	-0.0008
19	10	Unbiased	0.1974	0.1966	-0.0008
20	10	Unbiased	0.2029	0.202	-0.0009
21	30	Biased	0.1995	0.1986	-0.0009
22	30	Biased	0.1991	0.1981	-0.001
23	30	Biased	0.2022	0.2012	-0.001
24	30	Biased	0.1983	0.1975	-0.0008
25	30	Biased	0.1985	0.1977	-0.0008
26	30	Unbiased	0.2009	0.2	-0.0009
27	30	Unbiased	0.1975	0.1966	-0.0009
28	30	Unbiased	0.2013	0.2003	-0.001
29	30	Unbiased	0.1994	0.1984	-0.001
30	30	Unbiased	0.1989	0.1981	-0.0008
31	50	Biased	0.1985	0.1977	-0.0008
32	50	Biased	0.1991	0.1983	-0.0008
33	50	Biased	0.1982	0.1973	-0.0009
34	50	Biased	0.197	0.1963	-0.0007
35	50	Biased	0.2028	0.2018	-0.001
36	50	Unbiased	0.2019	0.2009	-0.001
37	50	Unbiased	0.1978	0.1968	-0.001
38	50	Unbiased	0.1972	0.1962	-0.001
39	50	Unbiased	0.1988	0.1978	-0.001
40	50	Unbiased	0.1985	0.1976	-0.0009
41	100	Biased	0.2022	0.2008	-0.0014
42	100	Biased	0.1978	0.1962	-0.0016
43	100	Biased	0.2008	0.1991	-0.0017
44	100	Biased	0.1992	0.1977	-0.0015
45	100	Biased	0.199	0.1975	-0.0015
46	100	Unbiased	0.1997	0.198	-0.0017
47	100	Unbiased	0.2001	0.1986	-0.0015
48	100	Unbiased	0.1982	0.1967	-0.0015
49	100	Unbiased	0.1984	0.1969	-0.0015
50	100	Unbiased	0.1991	0.1976	-0.0015
51	0	Correlation	0.1985	0.1977	-0.0008
53	0	Correlation	0.2005	0.1997	-0.0008
54	0	Correlation	0.1986	0.1979	-0.0007
55	0	Correlation	0.201	0.2002	-0.0008
56	0	Correlation	0.1988	0.198	-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	0.1985	0.19948	0.201	0.0011777	0.1977	0.1987	0.2002	0.0011597	-0.0008	-0.00078	-0.0007	4.4721e-05
3	0.1968	0.1986	0.2019	0.0015832	0.196	0.19768	0.2008	0.0015128	-0.0011	-0.00092	-0.0008	0.00011353
10	0.1974	0.19951	0.2029	0.0021116	0.1965	0.19865	0.202	0.0020786	-0.001	-0.00086	-0.0008	6.9921e-05
30	0.1975	0.19956	0.2022	0.0014691	0.1966	0.19865	0.2012	0.0014199	-0.001	-0.00091	-0.0008	8.756e-05
50	0.197	0.19898	0.2028	0.0019066	0.1962	0.19807	0.2018	0.0018631	-0.001	-0.00091	-0.0007	0.00011005
100	0.1978	0.19945	0.2022	0.0013185	0.1962	0.19791	0.2008	0.001332	-0.0017	-0.00154	-0.0014	9.6609e-05

Device Test: 6.84; VOL_RESET_2MA_OD





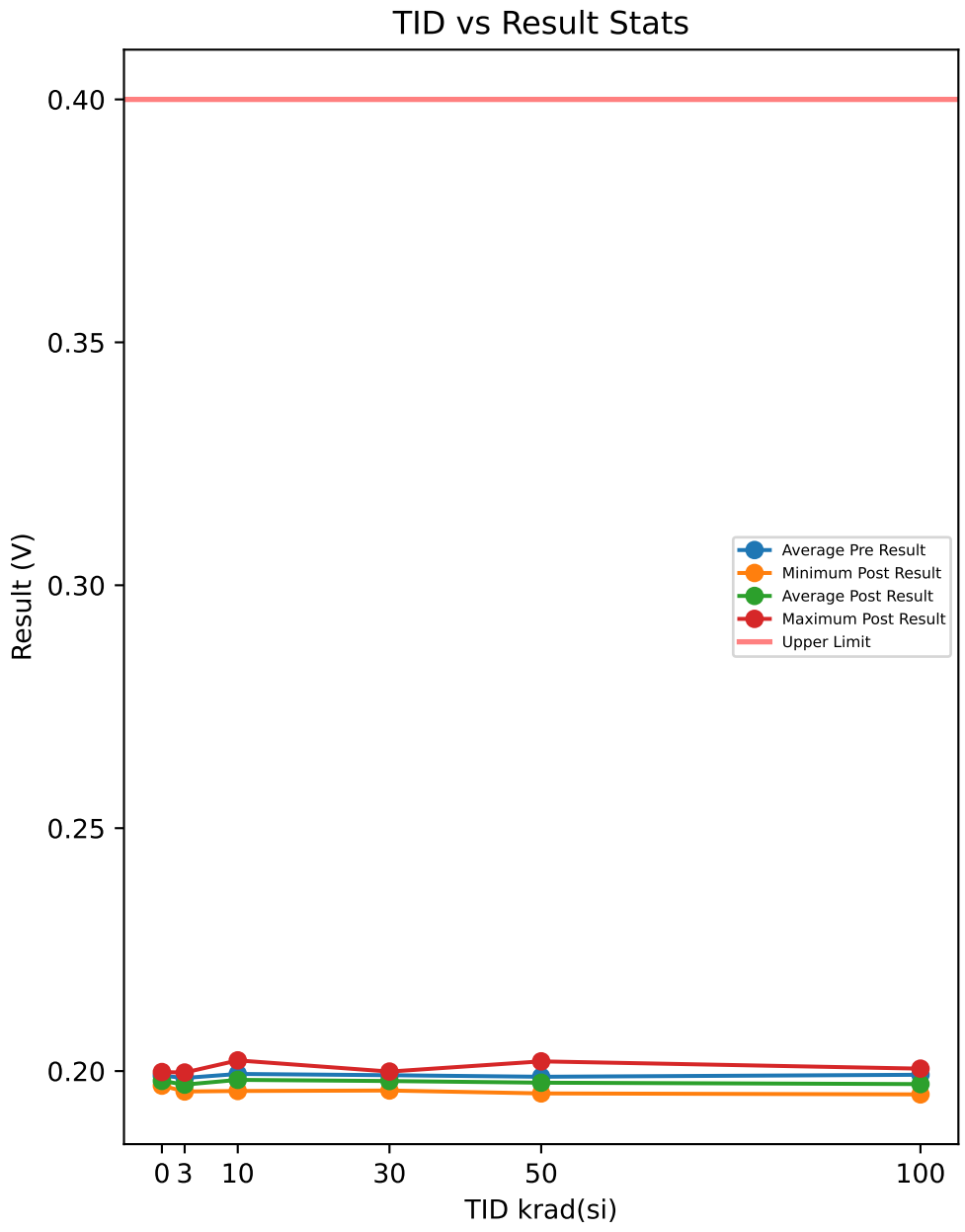
Test Results (Upper Limit = 0.4 (V))

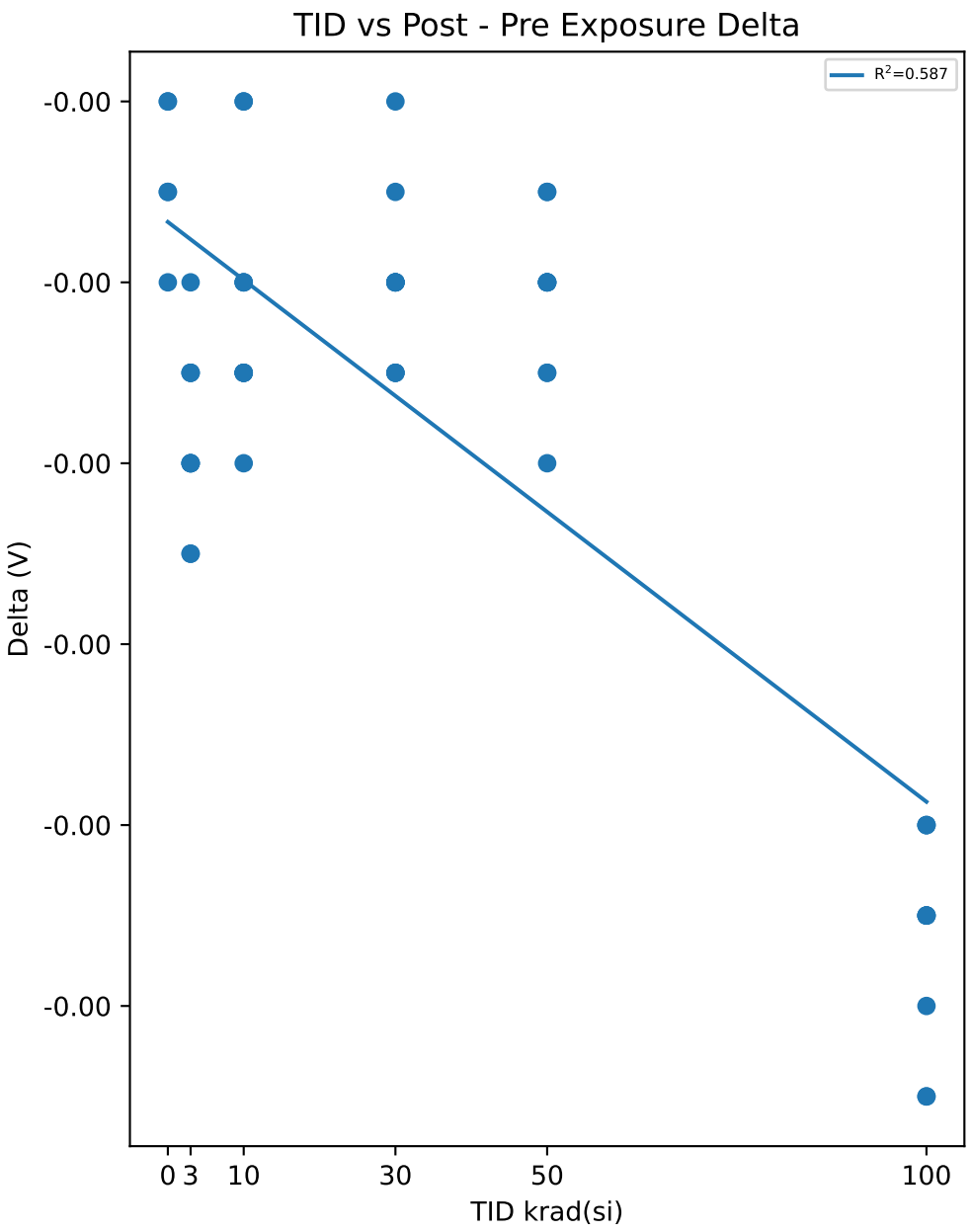
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2004	0.1991	-0.0013
2	3	Biased	0.2015	0.2003	-0.0012
3	3	Biased	0.1977	0.1965	-0.0012
4	3	Biased	0.198	0.1969	-0.0011
5	3	Biased	0.1989	0.1979	-0.001
6	3	Unbiased	0.1992	0.1981	-0.0011
7	3	Unbiased	0.1985	0.1976	-0.0009
8	3	Unbiased	0.1965	0.1955	-0.001
9	3	Unbiased	0.1969	0.1959	-0.001
10	3	Unbiased	0.1981	0.1972	-0.0009
11	10	Biased	0.1975	0.1963	-0.0012
12	10	Biased	0.203	0.2018	-0.0012
13	10	Biased	0.1987	0.1976	-0.0011
14	10	Biased	0.1986	0.1975	-0.0011
15	10	Biased	0.1984	0.1976	-0.0008
16	10	Unbiased	0.1976	0.1968	-0.0008
17	10	Unbiased	0.1992	0.1983	-0.0009
18	10	Unbiased	0.2024	0.2014	-0.001
19	10	Unbiased	0.1981	0.1972	-0.0009
20	10	Unbiased	0.2034	0.2026	-0.0008
21	30	Biased	0.1995	0.1984	-0.0011
22	30	Biased	0.1998	0.1988	-0.001
23	30	Biased	0.2012	0.2001	-0.0011
24	30	Biased	0.1981	0.1972	-0.0009
25	30	Biased	0.1978	0.1969	-0.0009
26	30	Unbiased	0.201	0.2	-0.001
27	30	Unbiased	0.1972	0.1961	-0.0011
28	30	Unbiased	0.2009	0.1999	-0.001
29	30	Unbiased	0.199	0.198	-0.001
30	30	Unbiased	0.1988	0.1978	-0.001
31	50	Biased	0.199	0.198	-0.001
32	50	Biased	0.1992	0.1982	-0.001
33	50	Biased	0.198	0.1971	-0.0009
34	50	Biased	0.1968	0.1961	-0.0007
35	50	Biased	0.2018	0.2008	-0.001
36	50	Unbiased	0.2016	0.2005	-0.0011
37	50	Unbiased	0.1977	0.1966	-0.0011
38	50	Unbiased	0.197	0.1959	-0.0011
39	50	Unbiased	0.1987	0.1975	-0.0012
40	50	Unbiased	0.1983	0.1972	-0.0011
41	100	Biased	0.2025	0.201	-0.0015
42	100	Biased	0.1972	0.1954	-0.0018
43	100	Biased	0.2012	0.1993	-0.0019
44	100	Biased	0.1983	0.1964	-0.0019
45	100	Biased	0.1986	0.1969	-0.0017
46	100	Unbiased	0.199	0.1973	-0.0017
47	100	Unbiased	0.1997	0.1981	-0.0016
48	100	Unbiased	0.1976	0.196	-0.0016
49	100	Unbiased	0.1991	0.1975	-0.0016
50	100	Unbiased	0.198	0.1963	-0.0017
51	0	Correlation	0.1977	0.1968	-0.0009
53	0	Correlation	0.2	0.1992	-0.0008
54	0	Correlation	0.1983	0.1975	-0.0008
55	0	Correlation	0.2007	0.1999	-0.0008
56	0	Correlation	0.1983	0.1974	-0.0009

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	0.1977	0.199	0.2007	0.0012806	0.1968	0.19816	0.1999	0.0013202	-0.0009	-0.00084	-0.0008	5.4772e-05
3	0.1965	0.19857	0.2015	0.001521	0.1955	0.1975	0.2003	0.0014507	-0.0013	-0.00107	-0.0009	0.00013375
10	0.1975	0.19969	0.2034	0.0023053	0.1963	0.19871	0.2026	0.0023034	-0.0012	-0.00098	-0.0008	0.00016193
30	0.1972	0.19933	0.2012	0.0014056	0.1961	0.19832	0.2001	0.0013863	-0.0011	-0.00101	-0.0009	7.3786e-05
50	0.1968	0.19881	0.2018	0.0017123	0.1959	0.19779	0.2008	0.0016789	-0.0012	-0.00102	-0.0007	0.00013984
100	0.1972	0.19912	0.2025	0.001643	0.1954	0.19742	0.201	0.0016831	-0.0019	-0.0017	-0.0015	0.00013333

Device Test: 6.85; VOL_RESET_2MA_OD





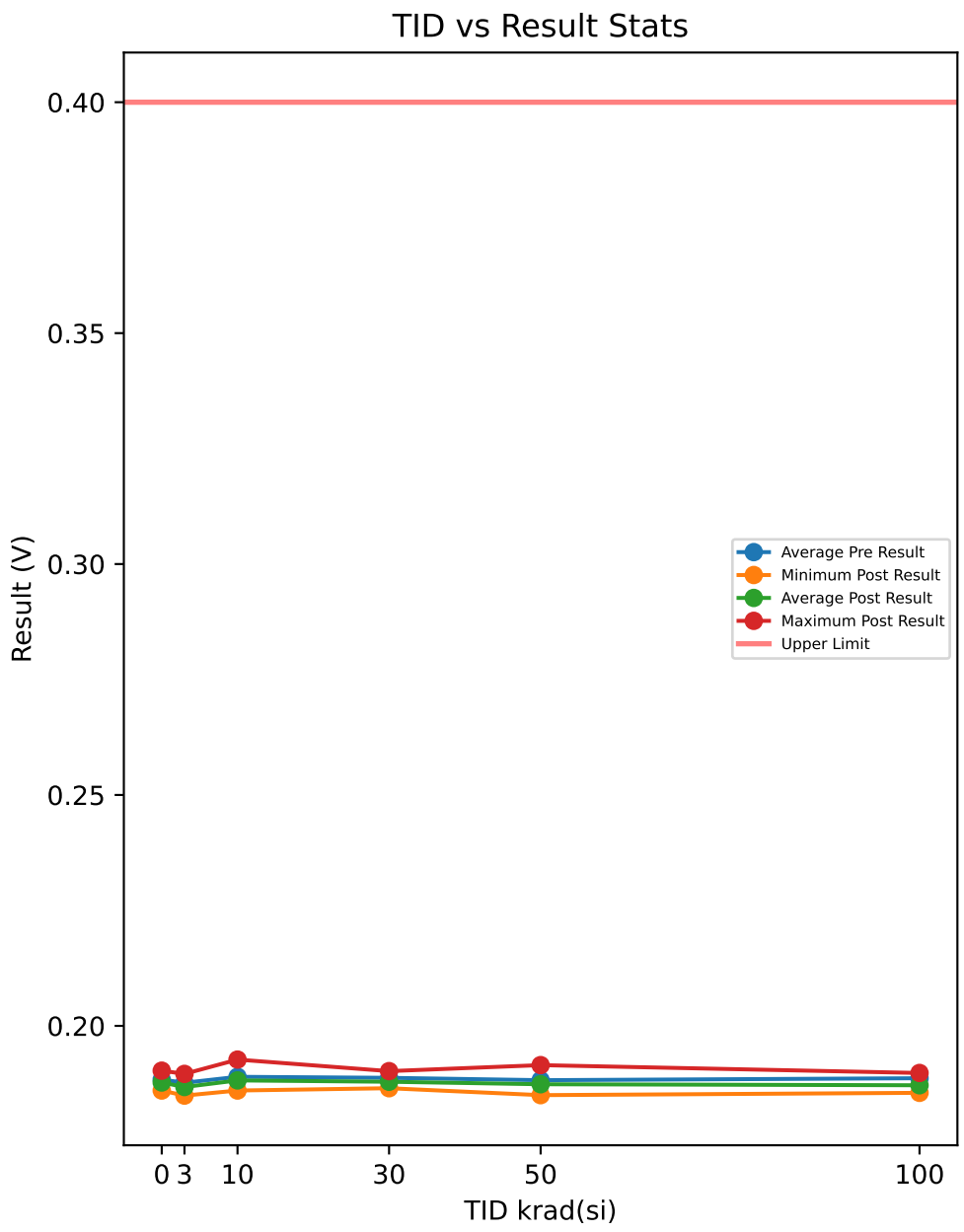
Test Results (Upper Limit = 0.4 (V))

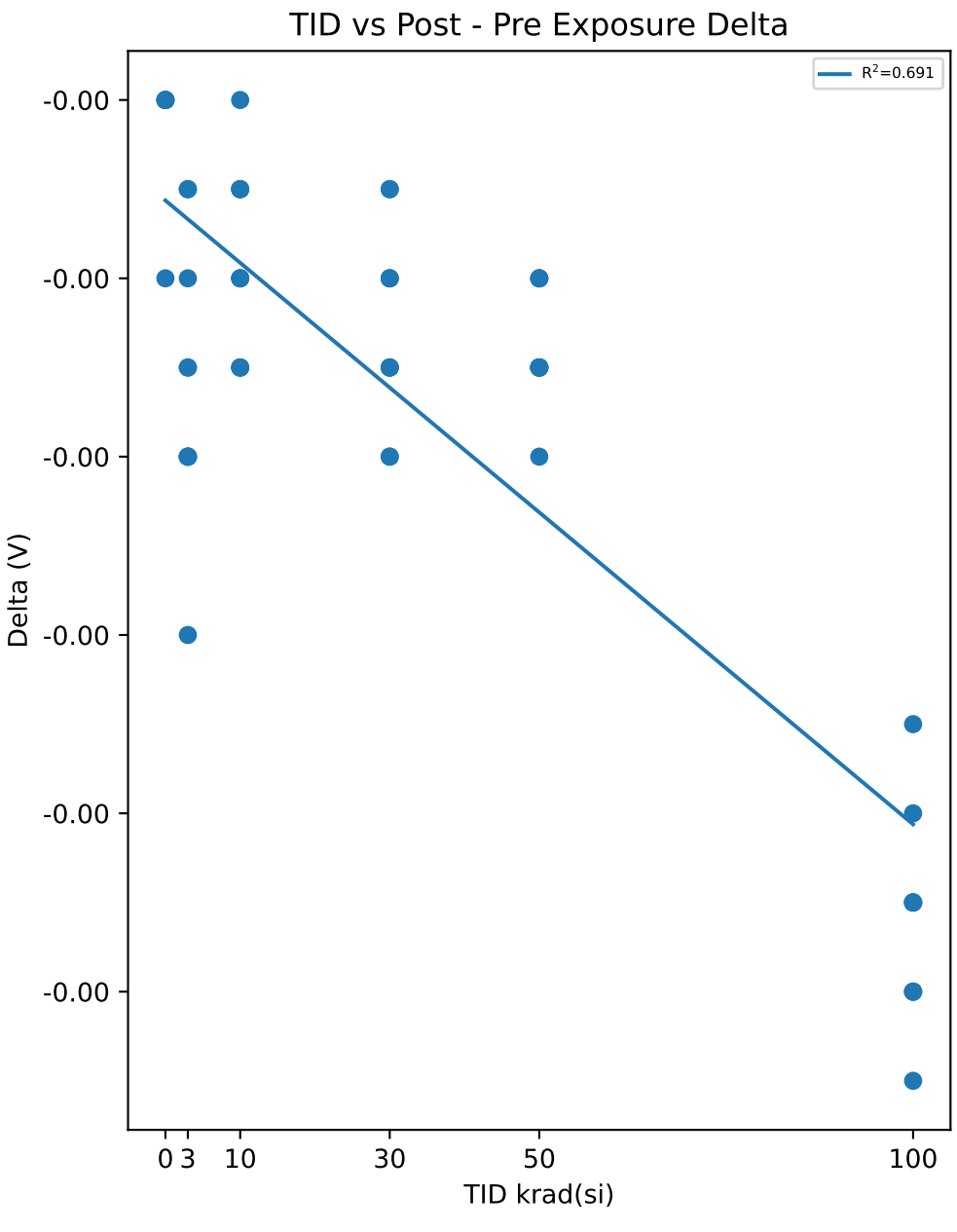
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.2004	0.1989	-0.0015
2	3	Biased	0.2011	0.1997	-0.0014
3	3	Biased	0.198	0.1965	-0.0015
4	3	Biased	0.1979	0.1965	-0.0014
5	3	Biased	0.199	0.1976	-0.0014
6	3	Unbiased	0.1993	0.198	-0.0013
7	3	Unbiased	0.1981	0.1967	-0.0014
8	3	Unbiased	0.1971	0.1958	-0.0013
9	3	Unbiased	0.1971	0.1958	-0.0013
10	3	Unbiased	0.1978	0.1966	-0.0012
11	10	Biased	0.1972	0.1959	-0.0013
12	10	Biased	0.2029	0.2015	-0.0014
13	10	Biased	0.1986	0.1973	-0.0013
14	10	Biased	0.1981	0.1969	-0.0012
15	10	Biased	0.1979	0.1966	-0.0013
16	10	Unbiased	0.1977	0.1965	-0.0012
17	10	Unbiased	0.1989	0.1977	-0.0012
18	10	Unbiased	0.2019	0.2006	-0.0013
19	10	Unbiased	0.1977	0.1967	-0.001
20	10	Unbiased	0.2032	0.2022	-0.001
21	30	Biased	0.1987	0.1974	-0.0013
22	30	Biased	0.1993	0.1981	-0.0012
23	30	Biased	0.201	0.1998	-0.0012
24	30	Biased	0.1972	0.196	-0.0012
25	30	Biased	0.1982	0.1969	-0.0013
26	30	Unbiased	0.2006	0.1995	-0.0011
27	30	Unbiased	0.1974	0.1964	-0.001
28	30	Unbiased	0.2012	0.1999	-0.0013
29	30	Unbiased	0.1992	0.198	-0.0012
30	30	Unbiased	0.1987	0.1975	-0.0012
31	50	Biased	0.1982	0.1971	-0.0011
32	50	Biased	0.1995	0.1983	-0.0012
33	50	Biased	0.1974	0.1962	-0.0012
34	50	Biased	0.1965	0.1954	-0.0011
35	50	Biased	0.2032	0.202	-0.0012
36	50	Unbiased	0.2021	0.2008	-0.0013
37	50	Unbiased	0.1975	0.1962	-0.0013
38	50	Unbiased	0.197	0.1958	-0.0012
39	50	Unbiased	0.199	0.1978	-0.0012
40	50	Unbiased	0.1979	0.1965	-0.0014
41	100	Biased	0.2023	0.2005	-0.0018
42	100	Biased	0.1971	0.1952	-0.0019
43	100	Biased	0.2012	0.1991	-0.0021
44	100	Biased	0.1989	0.1968	-0.0021
45	100	Biased	0.1992	0.1973	-0.0019
46	100	Unbiased	0.199	0.1971	-0.0019
47	100	Unbiased	0.1999	0.1981	-0.0018
48	100	Unbiased	0.1973	0.1955	-0.0018
49	100	Unbiased	0.1987	0.1968	-0.0019
50	100	Unbiased	0.1988	0.1968	-0.002
51	0	Correlation	0.1981	0.197	-0.0011
53	0	Correlation	0.1997	0.1987	-0.001
54	0	Correlation	0.1983	0.1972	-0.0011
55	0	Correlation	0.2008	0.1998	-0.001
56	0	Correlation	0.1984	0.1972	-0.0012

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	0.1981	0.19906	0.2008	0.0011589	0.197	0.19798	0.1998	0.0012256	-0.0012	-0.00108	-0.001	8.3666e-05
3	0.1971	0.19858	0.2011	0.0013489	0.1958	0.19721	0.1997	0.0013102	-0.0015	-0.00137	-0.0012	9.4868e-05
10	0.1972	0.19941	0.2032	0.0023187	0.1959	0.19819	0.2022	0.0023187	-0.0014	-0.00122	-0.001	0.00013166
30	0.1972	0.19915	0.2012	0.0014113	0.196	0.19795	0.1999	0.001393	-0.0013	-0.0012	-0.001	9.4281e-05
50	0.1965	0.19883	0.2032	0.0022141	0.1954	0.19761	0.202	0.0022007	-0.0014	-0.00122	-0.0011	9.1894e-05
100	0.1971	0.19924	0.2023	0.0015862	0.1952	0.19732	0.2005	0.0015831	-0.0021	-0.00192	-0.0018	0.00011353

Device Test: 6.86; VOL_WDO_2MA_OD





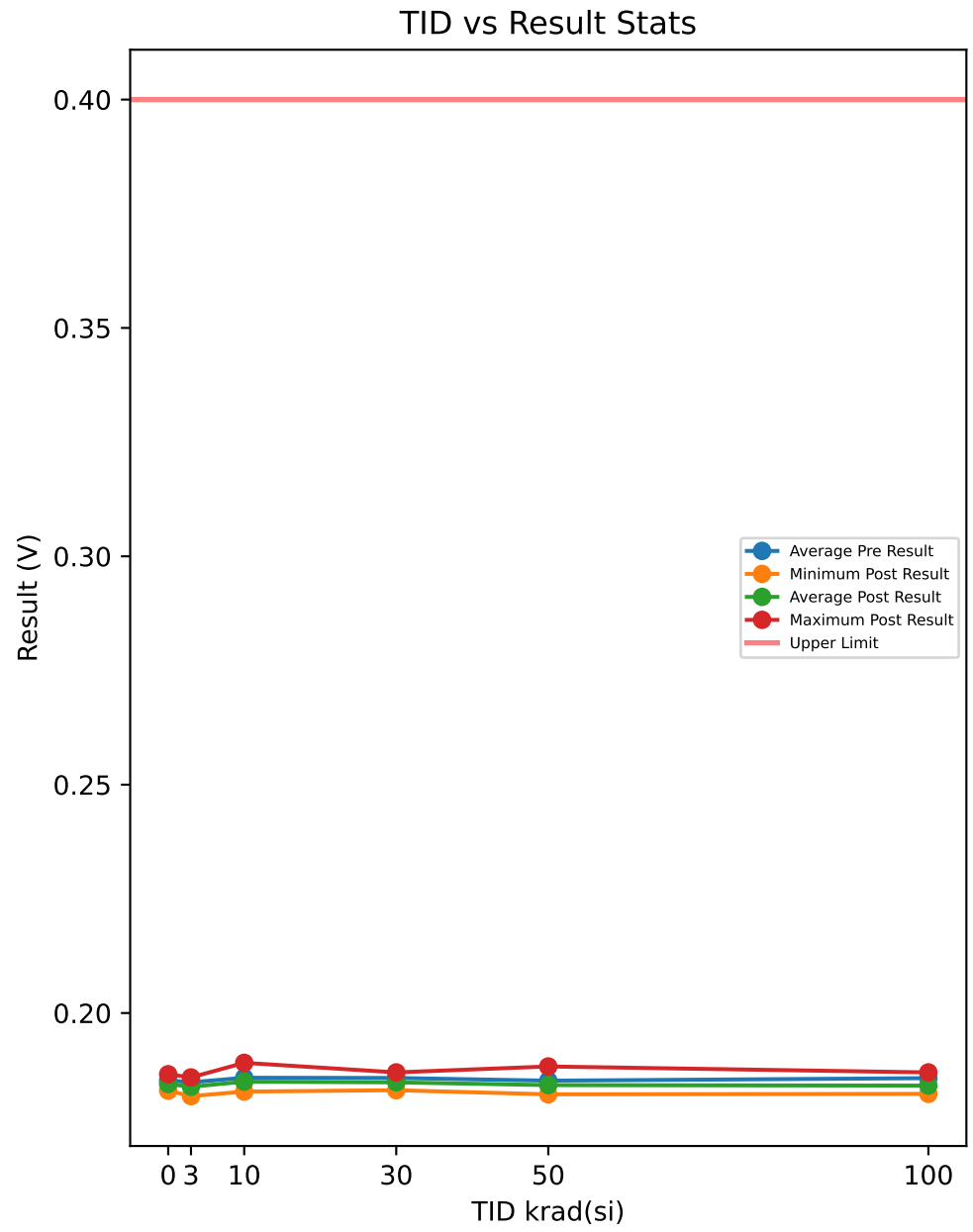
Test Results (Upper Limit = 0.4 (V))

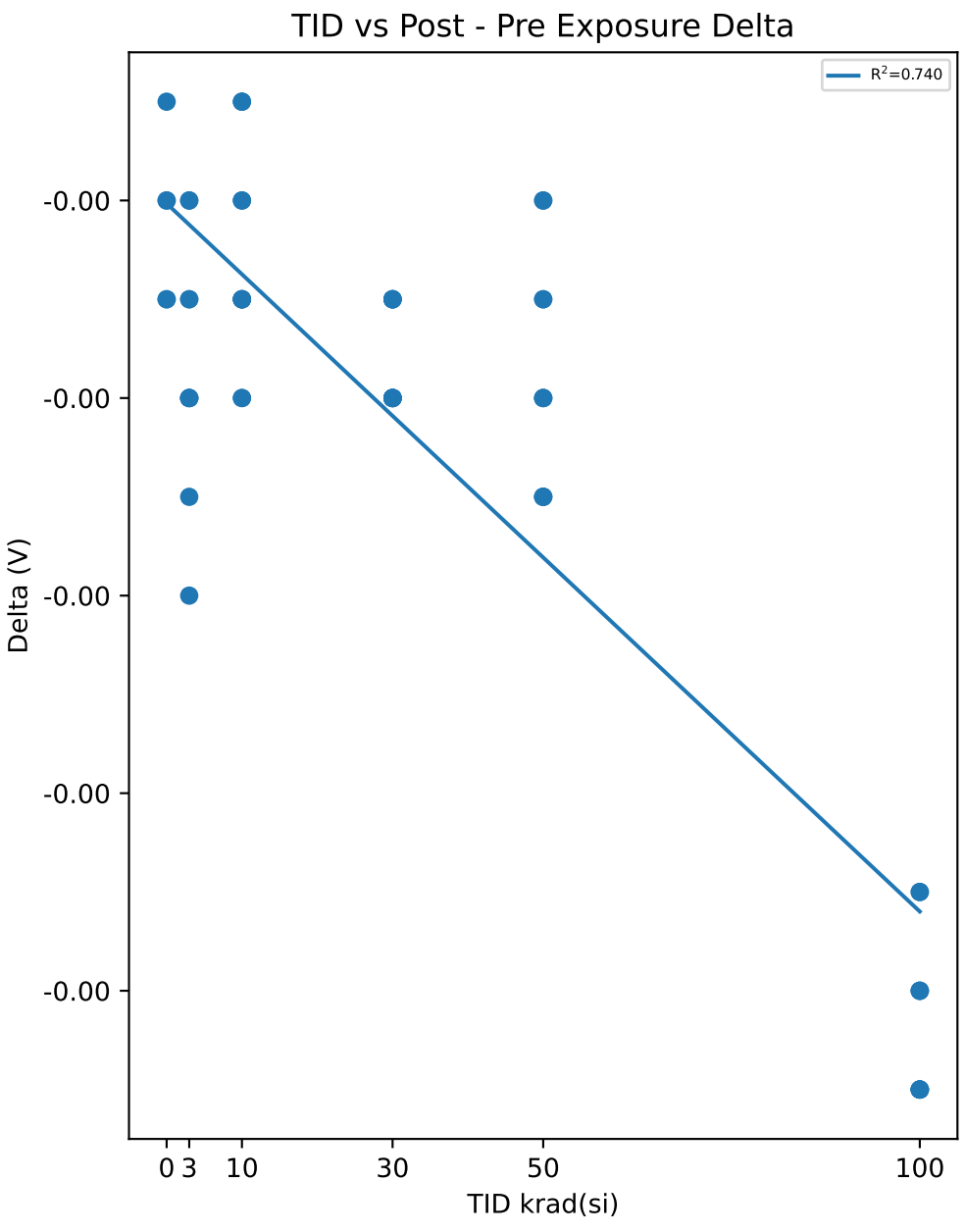
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.1892	0.188	-0.0012
2	3	Biased	0.1906	0.1896	-0.001
3	3	Biased	0.1865	0.1855	-0.001
4	3	Biased	0.187	0.186	-0.001
5	3	Biased	0.1884	0.1874	-0.001
6	3	Unbiased	0.1878	0.1869	-0.0009
7	3	Unbiased	0.1878	0.187	-0.0008
8	3	Unbiased	0.1861	0.1852	-0.0009
9	3	Unbiased	0.1856	0.1849	-0.0007
10	3	Unbiased	0.1878	0.1871	-0.0007
11	10	Biased	0.1868	0.186	-0.0008
12	10	Biased	0.193	0.1921	-0.0009
13	10	Biased	0.188	0.1871	-0.0009
14	10	Biased	0.1874	0.1865	-0.0009
15	10	Biased	0.1873	0.1865	-0.0008
16	10	Unbiased	0.1874	0.1868	-0.0006
17	10	Unbiased	0.1881	0.1873	-0.0008
18	10	Unbiased	0.1916	0.1909	-0.0007
19	10	Unbiased	0.1867	0.186	-0.0007
20	10	Unbiased	0.1934	0.1927	-0.0007
21	30	Biased	0.1885	0.1877	-0.0008
22	30	Biased	0.1887	0.1878	-0.0009
23	30	Biased	0.1902	0.1893	-0.0009
24	30	Biased	0.1876	0.1868	-0.0008
25	30	Biased	0.1873	0.1866	-0.0007
26	30	Unbiased	0.191	0.19	-0.001
27	30	Unbiased	0.1874	0.1865	-0.0009
28	30	Unbiased	0.191	0.1902	-0.0008
29	30	Unbiased	0.1884	0.1874	-0.001
30	30	Unbiased	0.1874	0.1867	-0.0007
31	50	Biased	0.1872	0.1862	-0.001
32	50	Biased	0.188	0.1871	-0.0009
33	50	Biased	0.1867	0.1859	-0.0008
34	50	Biased	0.1858	0.185	-0.0008
35	50	Biased	0.1924	0.1915	-0.0009
36	50	Unbiased	0.1923	0.1915	-0.0008
37	50	Unbiased	0.1865	0.1856	-0.0009
38	50	Unbiased	0.1867	0.1858	-0.0009
39	50	Unbiased	0.1889	0.188	-0.0009
40	50	Unbiased	0.1879	0.187	-0.0009
41	100	Biased	0.1905	0.1892	-0.0013
42	100	Biased	0.1872	0.1857	-0.0015
43	100	Biased	0.1914	0.1898	-0.0016
44	100	Biased	0.1874	0.1857	-0.0017
45	100	Biased	0.1886	0.1871	-0.0015
46	100	Unbiased	0.189	0.1875	-0.0015
47	100	Unbiased	0.1901	0.1885	-0.0016
48	100	Unbiased	0.1869	0.1855	-0.0014
49	100	Unbiased	0.1878	0.1862	-0.0016
50	100	Unbiased	0.1877	0.1862	-0.0015
51	0	Correlation	0.1866	0.186	-0.0006
53	0	Correlation	0.1893	0.1887	-0.0006
54	0	Correlation	0.1877	0.1871	-0.0006
55	0	Correlation	0.1909	0.1903	-0.0006
56	0	Correlation	0.1874	0.1866	-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	0.1866	0.18838	0.1909	0.0017167	0.186	0.18774	0.1903	0.0017473	-0.0008	-0.00064	-0.0006	8.9443e-05
3	0.1856	0.18768	0.1906	0.0014935	0.1849	0.18676	0.1896	0.0014245	-0.0012	-0.00092	-0.0007	0.00015492
10	0.1867	0.18897	0.1934	0.002626	0.186	0.18819	0.1927	0.0026287	-0.0009	-0.00078	-0.0006	0.00010328
30	0.1873	0.18875	0.191	0.0014714	0.1865	0.1879	0.1902	0.0014244	-0.001	-0.00085	-0.0007	0.00010801
50	0.1858	0.18824	0.1924	0.0023382	0.185	0.18736	0.1915	0.0023444	-0.001	-0.00088	-0.0008	6.3246e-05
100	0.1869	0.18866	0.1914	0.0015479	0.1855	0.18714	0.1898	0.0015601	-0.0017	-0.00152	-0.0013	0.00011353

Device Test: 6.87; VOL_PWRGD_2MA_OD





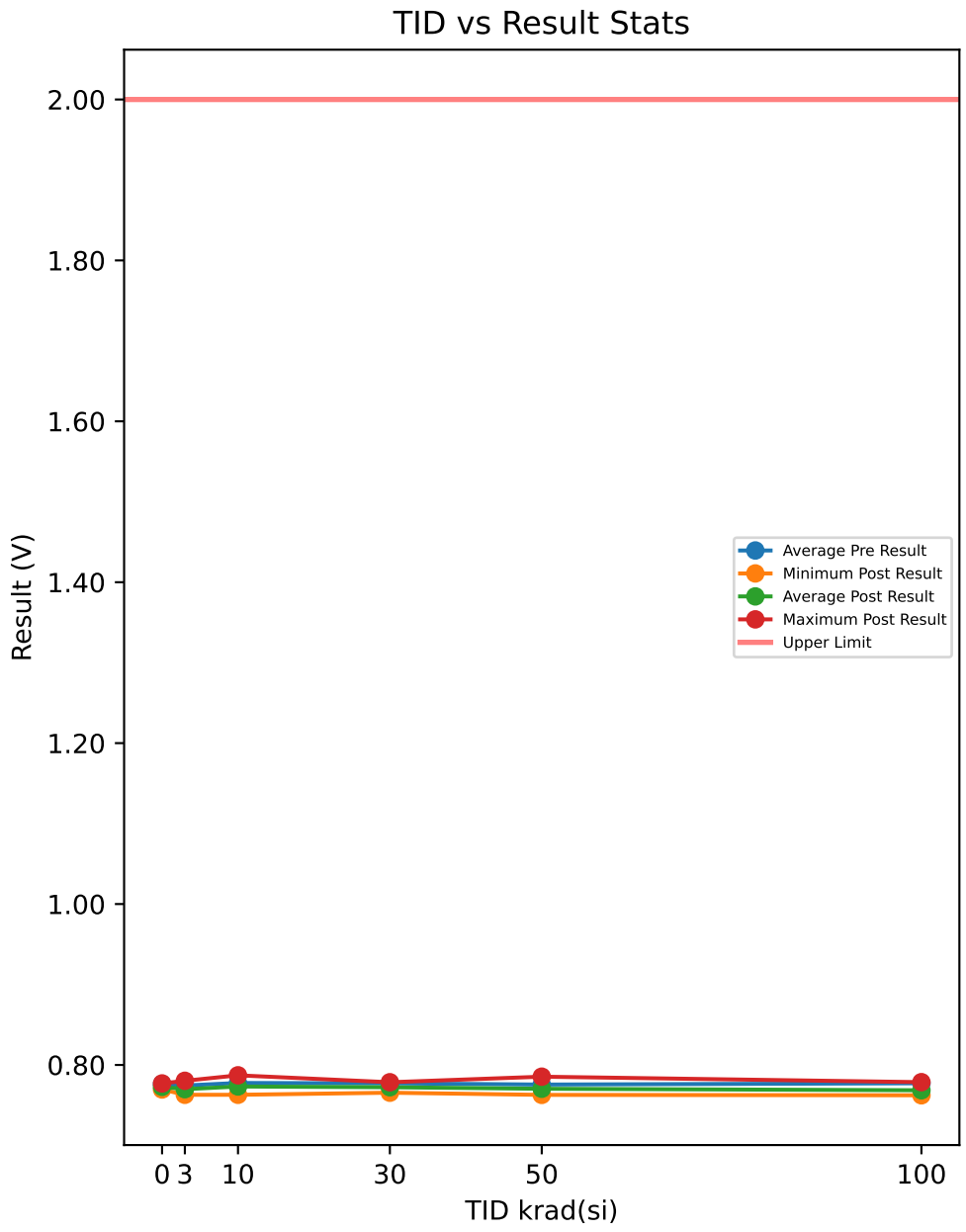
Test Results (Upper Limit = 0.4 (V))

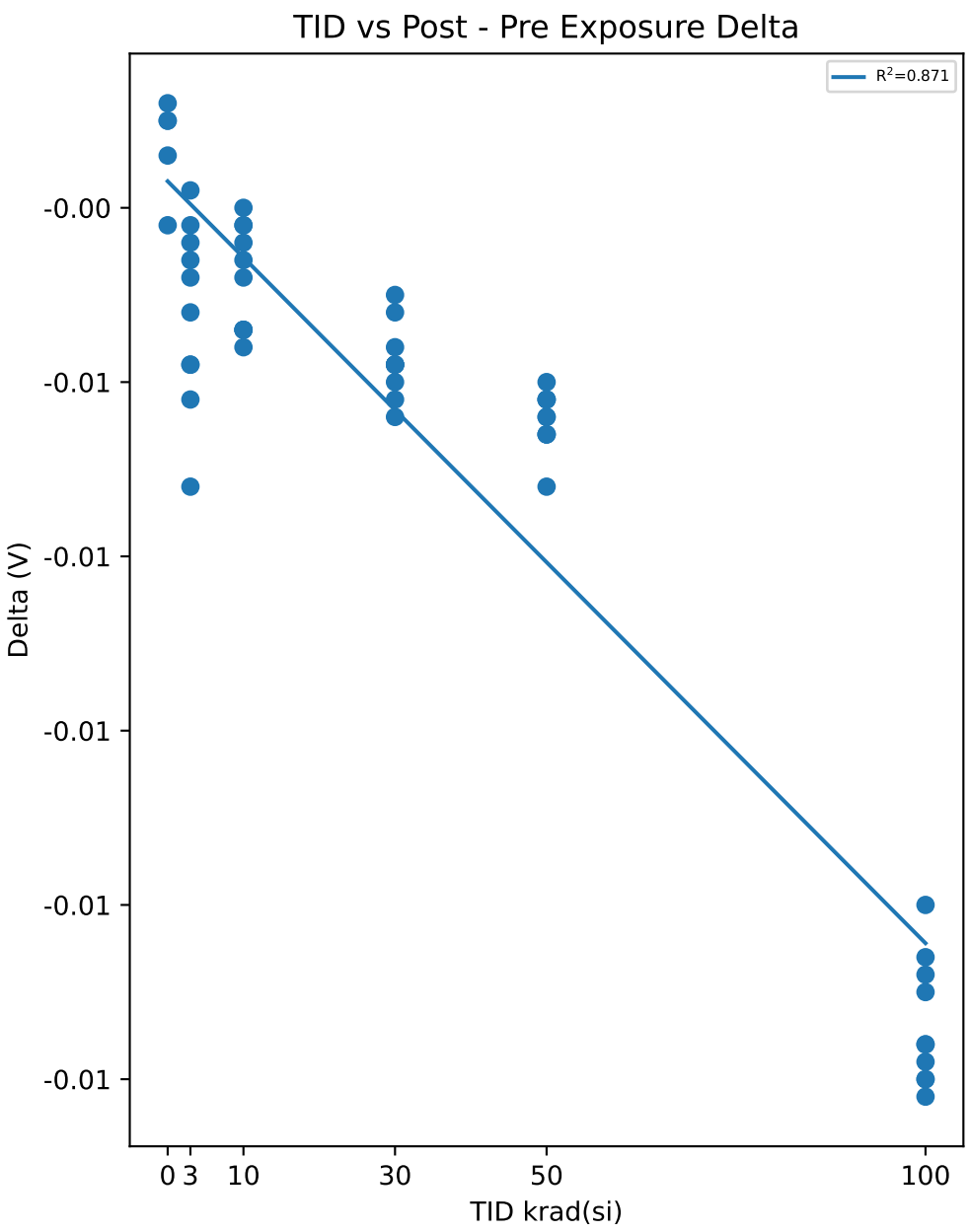
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.1866	0.1854	-0.0012
2	3	Biased	0.1869	0.1859	-0.001
3	3	Biased	0.1839	0.1828	-0.0011
4	3	Biased	0.1843	0.1833	-0.001
5	3	Biased	0.1854	0.1844	-0.001
6	3	Unbiased	0.1852	0.1843	-0.0009
7	3	Unbiased	0.1856	0.1847	-0.0009
8	3	Unbiased	0.1828	0.1818	-0.001
9	3	Unbiased	0.1831	0.1823	-0.0008
10	3	Unbiased	0.1845	0.1837	-0.0008
11	10	Biased	0.1837	0.1828	-0.0009
12	10	Biased	0.1901	0.1891	-0.001
13	10	Biased	0.1849	0.1839	-0.001
14	10	Biased	0.1844	0.1836	-0.0008
15	10	Biased	0.1839	0.1831	-0.0008
16	10	Unbiased	0.1838	0.1831	-0.0007
17	10	Unbiased	0.1851	0.1842	-0.0009
18	10	Unbiased	0.1886	0.1877	-0.0009
19	10	Unbiased	0.184	0.1831	-0.0009
20	10	Unbiased	0.1898	0.1891	-0.0007
21	30	Biased	0.1855	0.1845	-0.001
22	30	Biased	0.1858	0.1849	-0.0009
23	30	Biased	0.1867	0.1857	-0.001
24	30	Biased	0.1846	0.1837	-0.0009
25	30	Biased	0.1848	0.1839	-0.0009
26	30	Unbiased	0.1879	0.1869	-0.001
27	30	Unbiased	0.1841	0.1831	-0.001
28	30	Unbiased	0.188	0.187	-0.001
29	30	Unbiased	0.1855	0.1845	-0.001
30	30	Unbiased	0.1849	0.184	-0.0009
31	50	Biased	0.1847	0.1837	-0.001
32	50	Biased	0.1852	0.1844	-0.0008
33	50	Biased	0.1843	0.1834	-0.0009
34	50	Biased	0.1831	0.1822	-0.0009
35	50	Biased	0.1891	0.1883	-0.0008
36	50	Unbiased	0.1885	0.1875	-0.001
37	50	Unbiased	0.1836	0.1825	-0.0011
38	50	Unbiased	0.1834	0.1824	-0.001
39	50	Unbiased	0.1853	0.1842	-0.0011
40	50	Unbiased	0.1847	0.1836	-0.0011
41	100	Biased	0.1878	0.1863	-0.0015
42	100	Biased	0.1839	0.1823	-0.0016
43	100	Biased	0.1887	0.187	-0.0017
44	100	Biased	0.1846	0.1829	-0.0017
45	100	Biased	0.1857	0.184	-0.0017
46	100	Unbiased	0.1858	0.1842	-0.0016
47	100	Unbiased	0.1877	0.186	-0.0017
48	100	Unbiased	0.1838	0.1823	-0.0015
49	100	Unbiased	0.1847	0.183	-0.0017
50	100	Unbiased	0.1847	0.1831	-0.0016
51	0	Correlation	0.1838	0.183	-0.0008
53	0	Correlation	0.1856	0.1848	-0.0008
54	0	Correlation	0.185	0.1841	-0.0009
55	0	Correlation	0.1873	0.1866	-0.0007
56	0	Correlation	0.1847	0.1838	-0.0009

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	0.1838	0.18528	0.1873	0.0013027	0.183	0.18446	0.1866	0.0013594	-0.0009	-0.00082	-0.0007	8.3666e-05
3	0.1828	0.18483	0.1869	0.0013679	0.1818	0.18386	0.1859	0.0013277	-0.0012	-0.00097	-0.0008	0.00012517
10	0.1837	0.18583	0.1901	0.0026	0.1828	0.18497	0.1891	0.0025902	-0.001	-0.00086	-0.0007	0.0001075
30	0.1841	0.18578	0.188	0.0013489	0.1831	0.18482	0.187	0.0013248	-0.001	-0.00096	-0.0009	5.164e-05
50	0.1831	0.18519	0.1891	0.0020447	0.1822	0.18422	0.1883	0.0020848	-0.0011	-0.00097	-0.0008	0.00011595
100	0.1838	0.18574	0.1887	0.0017469	0.1823	0.18411	0.187	0.0017323	-0.0017	-0.00163	-0.0015	8.2327e-05

Device Test: 6.88; VOL_RESET_10MA_OD





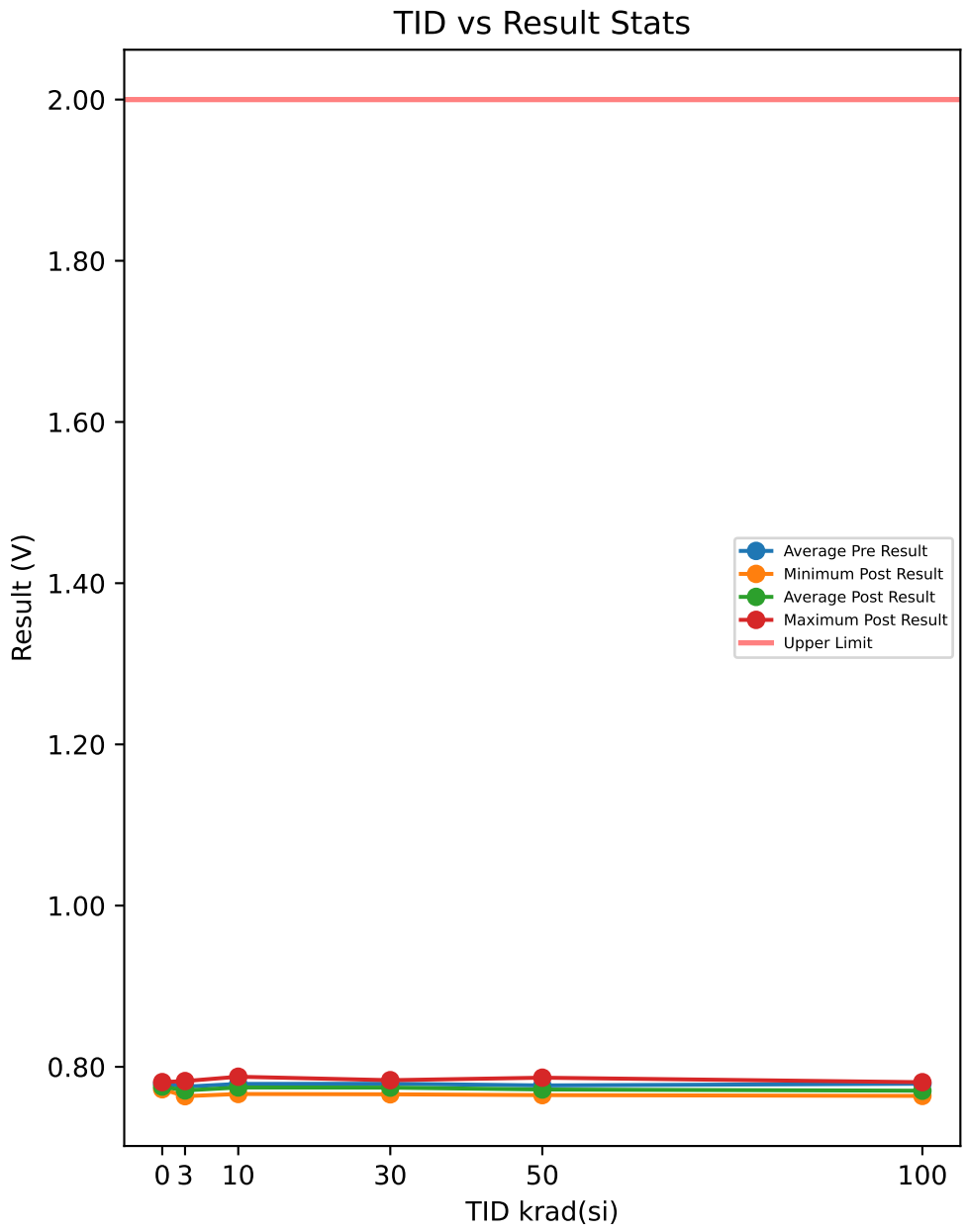
Test Results (Upper Limit = 2.0 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7799	0.7743	-0.0056
2	3	Biased	0.7852	0.7803	-0.0049
3	3	Biased	0.7735	0.7684	-0.0051
4	3	Biased	0.7724	0.7675	-0.0049
5	3	Biased	0.7741	0.7695	-0.0046
6	3	Unbiased	0.7762	0.7721	-0.0041
7	3	Unbiased	0.776	0.7718	-0.0042
8	3	Unbiased	0.7673	0.7629	-0.0044
9	3	Unbiased	0.7673	0.763	-0.0043
10	3	Unbiased	0.7725	0.7686	-0.0039
11	10	Biased	0.7676	0.7629	-0.0047
12	10	Biased	0.7919	0.7871	-0.0048
13	10	Biased	0.7757	0.771	-0.0047
14	10	Biased	0.7726	0.7679	-0.0047
15	10	Biased	0.7744	0.77	-0.0044
16	10	Unbiased	0.7709	0.7667	-0.0042
17	10	Unbiased	0.7751	0.771	-0.0041
18	10	Unbiased	0.7873	0.783	-0.0043
19	10	Unbiased	0.7709	0.7668	-0.0041
20	10	Unbiased	0.7897	0.7857	-0.004
21	30	Biased	0.7781	0.7731	-0.005
22	30	Biased	0.7765	0.7713	-0.0052
23	30	Biased	0.7834	0.7785	-0.0049
24	30	Biased	0.772	0.7674	-0.0046
25	30	Biased	0.7722	0.7674	-0.0048
26	30	Unbiased	0.7824	0.7775	-0.0049
27	30	Unbiased	0.7704	0.7655	-0.0049
28	30	Unbiased	0.7819	0.7768	-0.0051
29	30	Unbiased	0.7766	0.7717	-0.0049
30	30	Unbiased	0.778	0.7735	-0.0045
31	50	Biased	0.7755	0.7705	-0.005
32	50	Biased	0.7765	0.7714	-0.0051
33	50	Biased	0.7722	0.7669	-0.0053
34	50	Biased	0.768	0.7628	-0.0052
35	50	Biased	0.7905	0.7854	-0.0051
36	50	Unbiased	0.7851	0.7798	-0.0053
37	50	Unbiased	0.7708	0.7657	-0.0051
38	50	Unbiased	0.7686	0.7634	-0.0052
39	50	Unbiased	0.7742	0.7689	-0.0053
40	50	Unbiased	0.7748	0.7692	-0.0056
41	100	Biased	0.7866	0.7786	-0.008
42	100	Biased	0.7708	0.7623	-0.0085
43	100	Biased	0.7856	0.7765	-0.0091
44	100	Biased	0.7748	0.7659	-0.0089
45	100	Biased	0.7743	0.7655	-0.0088
46	100	Unbiased	0.7791	0.7701	-0.009
47	100	Unbiased	0.7801	0.7717	-0.0084
48	100	Unbiased	0.7717	0.7634	-0.0083
49	100	Unbiased	0.7751	0.7663	-0.0088
50	100	Unbiased	0.774	0.765	-0.009
51	0	Correlation	0.7742	0.7705	-0.0037
53	0	Correlation	0.7803	0.7769	-0.0034
54	0	Correlation	0.773	0.7695	-0.0035
55	0	Correlation	0.7805	0.777	-0.0035
56	0	Correlation	0.7739	0.7698	-0.0041

Test Statistics (V)

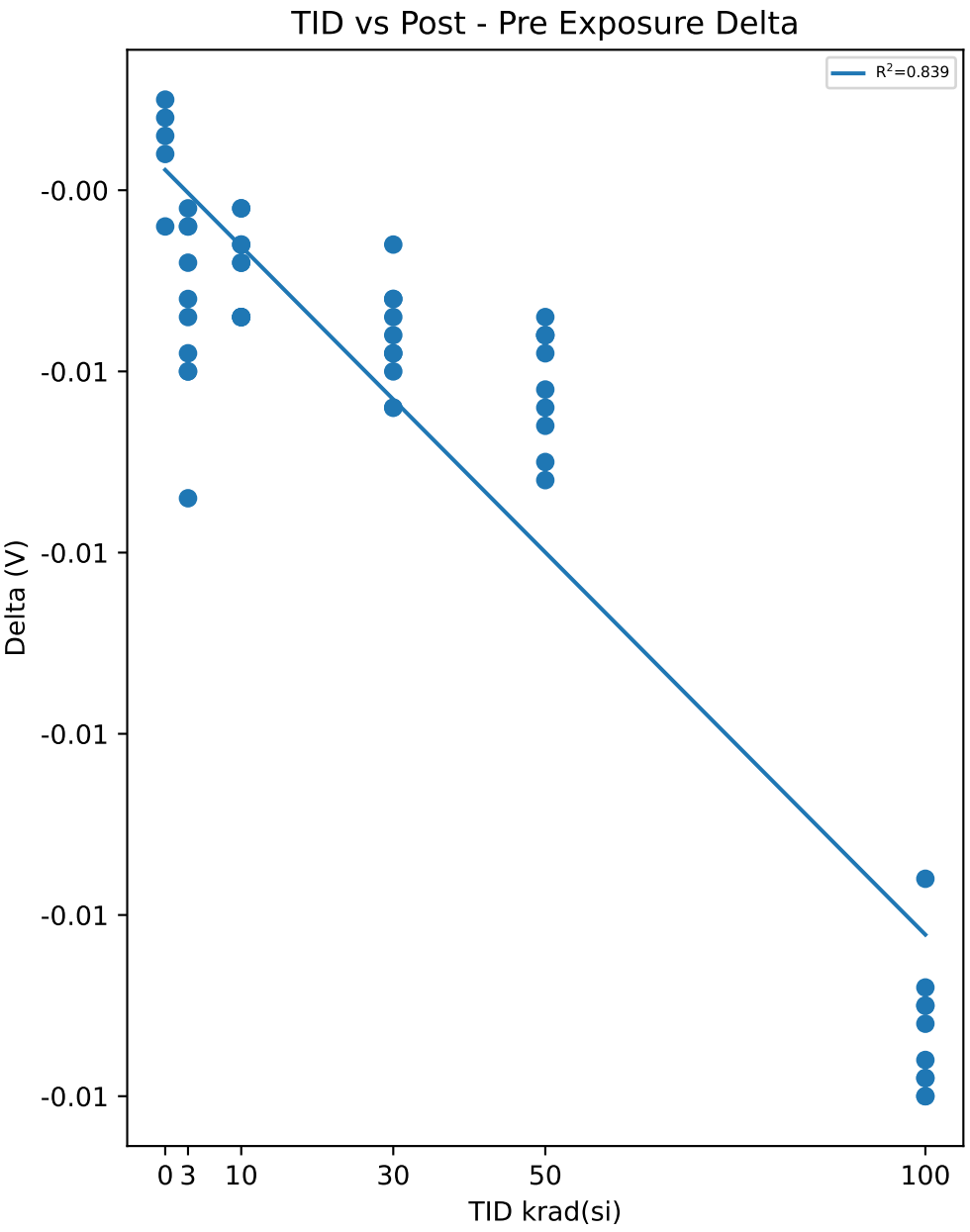
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.773	0.77638	0.7805	0.0036969	0.7695	0.77274	0.777	0.0038604	-0.0041	-0.00364	-0.0034	0.00027928
3	0.7673	0.77444	0.7852	0.0053955	0.7629	0.76984	0.7803	0.0051898	-0.0056	-0.0046	-0.0039	0.00052281
10	0.7676	0.77761	0.7919	0.0086914	0.7629	0.77321	0.7871	0.0087102	-0.0048	-0.0044	-0.004	0.00030185
30	0.7704	0.77715	0.7834	0.004572	0.7655	0.77227	0.7785	0.0045144	-0.0052	-0.00488	-0.0045	0.00020976
50	0.768	0.77562	0.7905	0.0071261	0.7628	0.7704	0.7854	0.0071427	-0.0056	-0.00522	-0.005	0.00016865
100	0.7708	0.77721	0.7866	0.005487	0.7623	0.76853	0.7786	0.0055388	-0.0091	-0.00868	-0.008	0.00036148

Device Test: 6.89; VOL_RESET_10MA_OD



Test Results (Upper Limit = 2.0 (V))

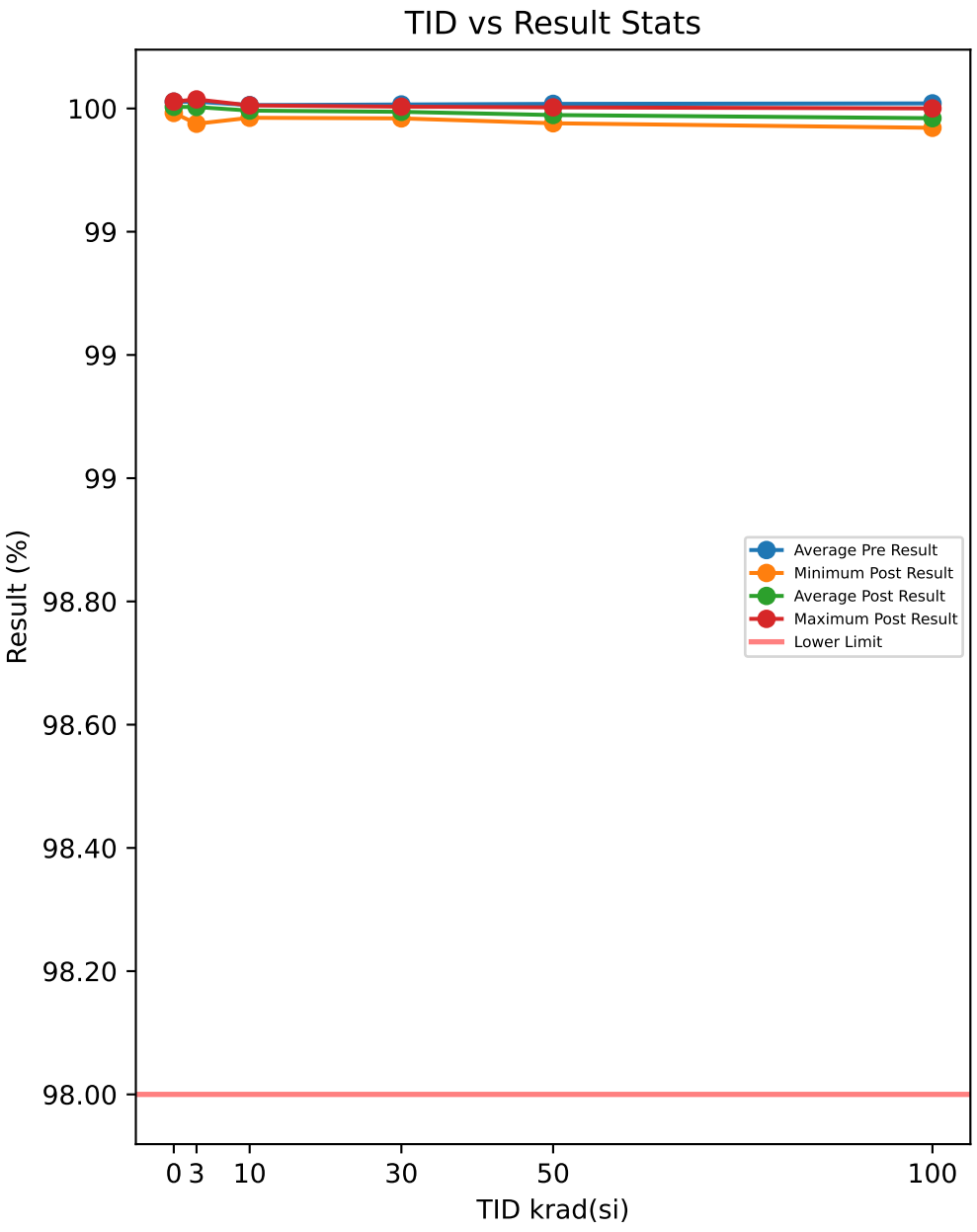
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7819	0.7762	-0.0057
2	3	Biased	0.7873	0.7823	-0.005
3	3	Biased	0.7723	0.7673	-0.005
4	3	Biased	0.7714	0.7665	-0.0049
5	3	Biased	0.7754	0.7707	-0.0047
6	3	Unbiased	0.7781	0.7737	-0.0044
7	3	Unbiased	0.7765	0.7723	-0.0042
8	3	Unbiased	0.7682	0.7636	-0.0046
9	3	Unbiased	0.7696	0.7654	-0.0042
10	3	Unbiased	0.773	0.7689	-0.0041
11	10	Biased	0.771	0.7663	-0.0047
12	10	Biased	0.7901	0.7854	-0.0047
13	10	Biased	0.7767	0.772	-0.0047
14	10	Biased	0.775	0.7703	-0.0047
15	10	Biased	0.7765	0.7722	-0.0043
16	10	Unbiased	0.7721	0.7677	-0.0044
17	10	Unbiased	0.7765	0.7724	-0.0041
18	10	Unbiased	0.7876	0.7832	-0.0044
19	10	Unbiased	0.7707	0.7664	-0.0043
20	10	Unbiased	0.7918	0.7877	-0.0041
21	30	Biased	0.7792	0.7743	-0.0049
22	30	Biased	0.7775	0.7727	-0.0048
23	30	Biased	0.7881	0.7834	-0.0047
24	30	Biased	0.7741	0.7698	-0.0043
25	30	Biased	0.7754	0.7708	-0.0046
26	30	Unbiased	0.7843	0.7793	-0.005
27	30	Unbiased	0.7711	0.7659	-0.0052
28	30	Unbiased	0.7853	0.7801	-0.0052
29	30	Unbiased	0.7782	0.7733	-0.0049
30	30	Unbiased	0.7769	0.7723	-0.0046
31	50	Biased	0.775	0.7701	-0.0049
32	50	Biased	0.7769	0.7721	-0.0048
33	50	Biased	0.7742	0.7694	-0.0048
34	50	Biased	0.7701	0.7653	-0.0048
35	50	Biased	0.7912	0.7865	-0.0047
36	50	Unbiased	0.7873	0.7821	-0.0052
37	50	Unbiased	0.7726	0.7675	-0.0051
38	50	Unbiased	0.7702	0.7649	-0.0053
39	50	Unbiased	0.7762	0.7707	-0.0055
40	50	Unbiased	0.7755	0.7699	-0.0056
41	100	Biased	0.7887	0.7809	-0.0078
42	100	Biased	0.7723	0.7639	-0.0084
43	100	Biased	0.7836	0.7746	-0.009
44	100	Biased	0.7786	0.7697	-0.0089
45	100	Biased	0.7772	0.7687	-0.0085
46	100	Unbiased	0.7801	0.7711	-0.009
47	100	Unbiased	0.7818	0.7732	-0.0086
48	100	Unbiased	0.774	0.7655	-0.0085
49	100	Unbiased	0.7758	0.767	-0.0088
50	100	Unbiased	0.7779	0.769	-0.0089
51	0	Correlation	0.7761	0.7724	-0.0037
53	0	Correlation	0.7827	0.7792	-0.0035
54	0	Correlation	0.7758	0.7722	-0.0036
55	0	Correlation	0.7848	0.781	-0.0038
56	0	Correlation	0.7766	0.7724	-0.0042

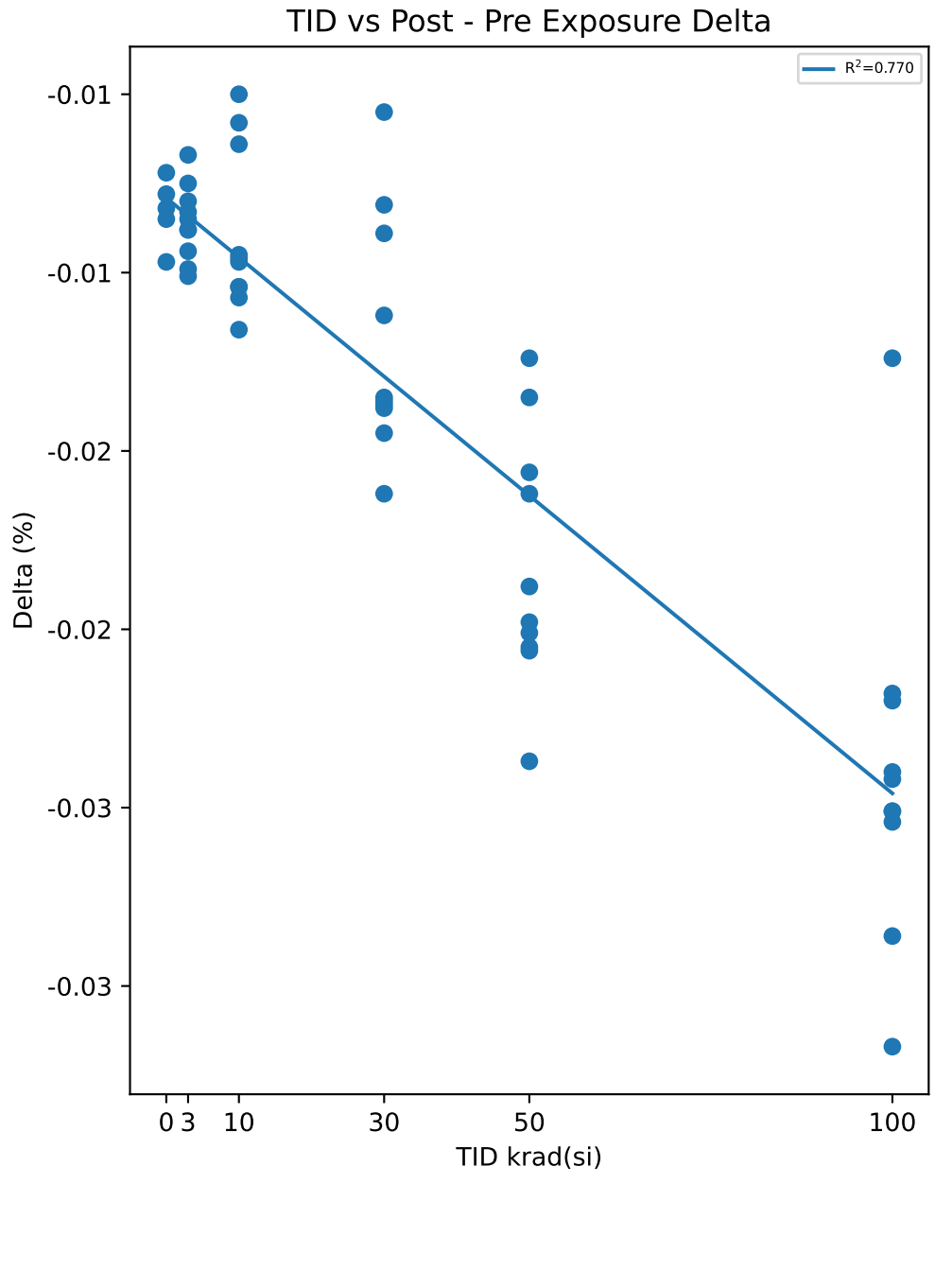


Test Statistics (V)

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	0.7758	0.7792	0.7848	0.0042291	0.7722	0.77544	0.781	0.0043021	-0.0042	-0.00376	-0.0035	0.00027019
3	0.7682	0.77537	0.7873	0.0058614	0.7636	0.77069	0.7823	0.0056501	-0.0057	-0.00468	-0.0041	0.00049171
10	0.7707	0.7788	0.7918	0.0079924	0.7663	0.77436	0.7877	0.0080362	-0.0047	-0.00444	-0.0041	0.00024585
30	0.7711	0.77901	0.7881	0.005347	0.7659	0.77419	0.7834	0.005291	-0.0052	-0.00482	-0.0043	0.00028206
50	0.7701	0.77692	0.7912	0.0069571	0.7649	0.77185	0.7865	0.0070243	-0.0056	-0.00507	-0.0047	0.0003199
100	0.7723	0.779	0.7887	0.0048194	0.7639	0.77036	0.7809	0.004937	-0.009	-0.00864	-0.0078	0.00036878

Device Test: 6.9; VLDO_DO





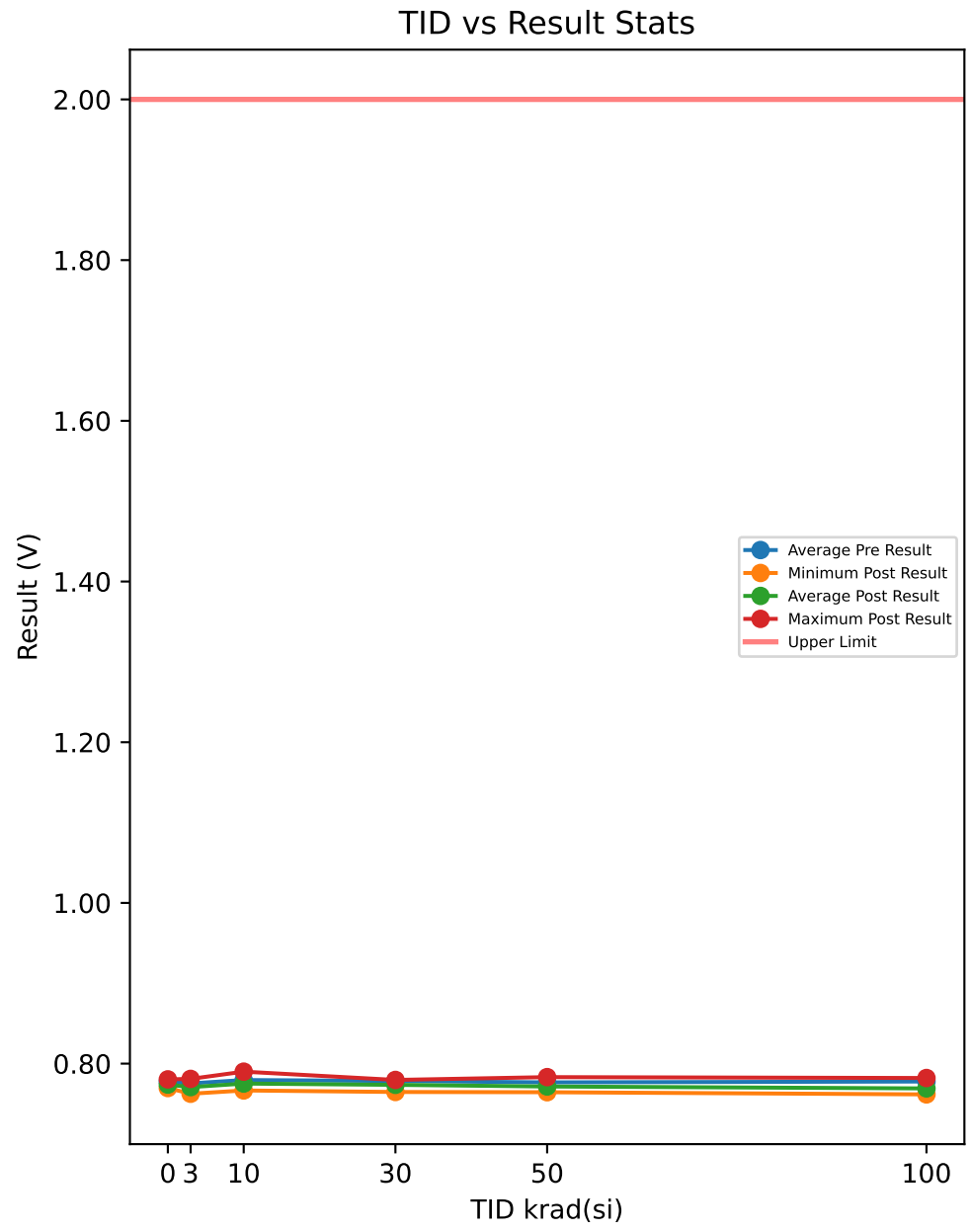
Test Results (Lower Limit = 98.0 (%))

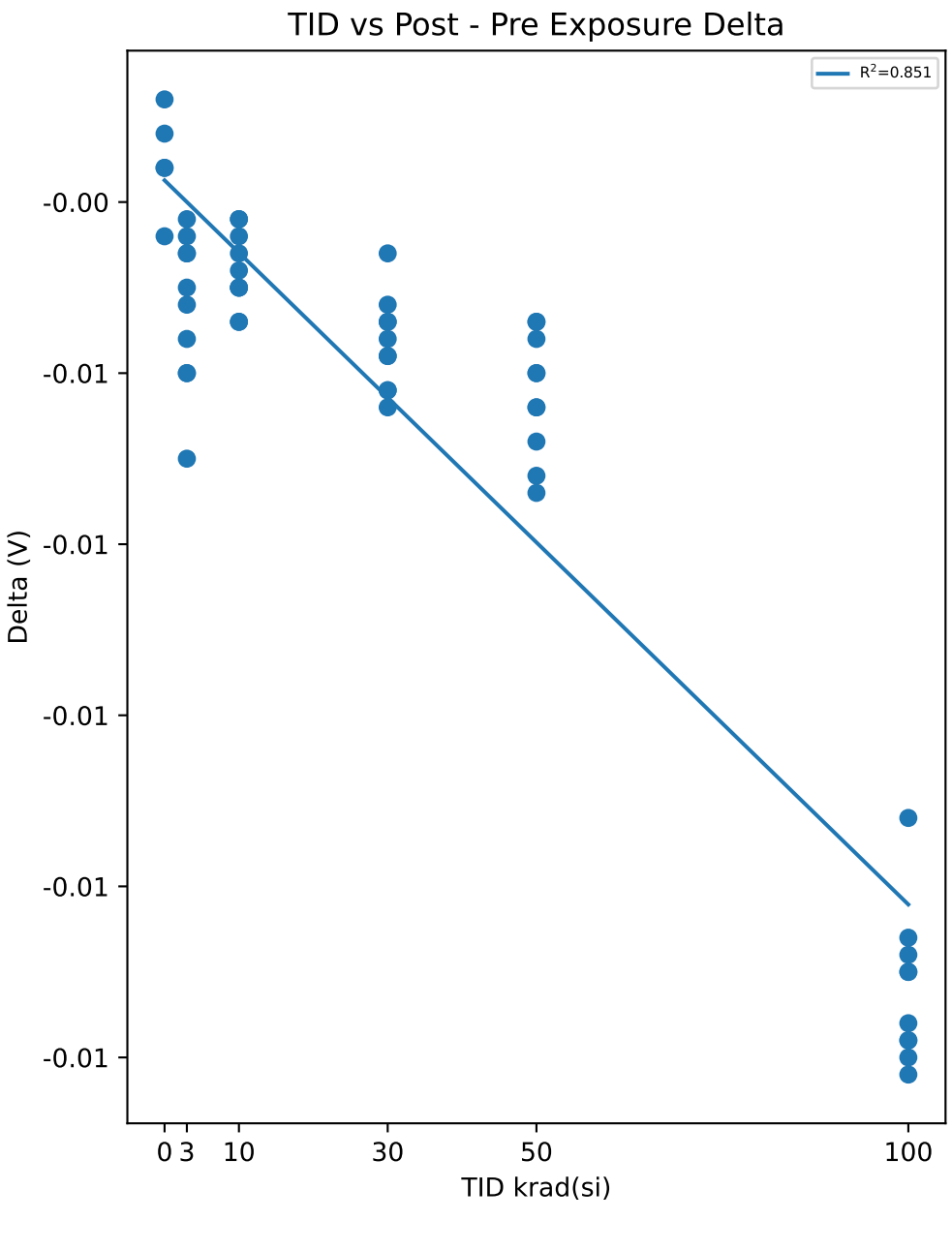
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	99.611	99.603	-0.008
2	3	Biased	99.613	99.604	-0.0085
3	3	Biased	99.619	99.611	-0.0088
4	3	Biased	99.605	99.598	-0.0067
5	3	Biased	99.623	99.615	-0.0083
6	3	Unbiased	99.616	99.608	-0.0075
7	3	Unbiased	99.606	99.597	-0.0094
8	3	Unbiased	99.616	99.607	-0.0088
9	3	Unbiased	99.585	99.575	-0.0101
10	3	Unbiased	99.615	99.605	-0.0099
11	10	Biased	99.605	99.6	-0.005
12	10	Biased	99.611	99.602	-0.0097
13	10	Biased	99.606	99.596	-0.0104
14	10	Biased	99.599	99.594	-0.0058
15	10	Biased	99.614	99.604	-0.0104
16	10	Unbiased	99.604	99.594	-0.0095
17	10	Unbiased	99.611	99.605	-0.0064
18	10	Unbiased	99.594	99.585	-0.0096
19	10	Unbiased	99.606	99.595	-0.0107
20	10	Unbiased	99.604	99.592	-0.0116
21	30	Biased	99.615	99.602	-0.0136
22	30	Biased	99.598	99.584	-0.0145
23	30	Biased	99.613	99.597	-0.0162
24	30	Biased	99.609	99.6	-0.0089
25	30	Biased	99.602	99.591	-0.0112
26	30	Unbiased	99.61	99.596	-0.0137
27	30	Unbiased	99.598	99.593	-0.0055
28	30	Unbiased	99.609	99.596	-0.0138
29	30	Unbiased	99.611	99.603	-0.0081
30	30	Unbiased	99.598	99.585	-0.0135
31	50	Biased	99.614	99.597	-0.0162
32	50	Biased	99.606	99.585	-0.0206
33	50	Biased	99.604	99.584	-0.0198
34	50	Biased	99.597	99.576	-0.0205
35	50	Biased	99.622	99.602	-0.0201
36	50	Unbiased	99.611	99.599	-0.0124
37	50	Unbiased	99.624	99.601	-0.0237
38	50	Unbiased	99.61	99.592	-0.0188
39	50	Unbiased	99.597	99.581	-0.0156
40	50	Unbiased	99.59	99.576	-0.0135
41	100	Biased	99.625	99.6	-0.0251
42	100	Biased	99.603	99.591	-0.0124
43	100	Biased	99.621	99.589	-0.0317
44	100	Biased	99.59	99.569	-0.0218
45	100	Biased	99.613	99.589	-0.024
46	100	Unbiased	99.61	99.585	-0.0251
47	100	Unbiased	99.609	99.584	-0.0242
48	100	Unbiased	99.603	99.575	-0.0286
49	100	Unbiased	99.595	99.573	-0.022
50	100	Unbiased	99.613	99.588	-0.0254
51	0	Correlation	99.618	99.609	-0.0085
53	0	Correlation	99.621	99.611	-0.0097
54	0	Correlation	99.606	99.599	-0.0072
55	0	Correlation	99.6	99.593	-0.0078
56	0	Correlation	99.61	99.602	-0.0082

Test Statistics (%)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	99.6	99.611	99.621	0.0083644	99.593	99.603	99.611	0.0075965	-0.0097	-0.00828	-0.0072	0.00093113
3	99.585	99.611	99.623	0.010523	99.575	99.602	99.615	0.010904	-0.0101	-0.0086	-0.0067	0.0010509
10	99.594	99.605	99.614	0.0058763	99.585	99.597	99.605	0.0060812	-0.0116	-0.00891	-0.005	0.0022995
30	99.598	99.606	99.615	0.0066003	99.584	99.595	99.603	0.0065824	-0.0162	-0.0119	-0.0055	0.0033738
50	99.59	99.607	99.624	0.011129	99.576	99.589	99.602	0.009994	-0.0237	-0.01812	-0.0124	0.003563
100	99.59	99.608	99.625	0.010789	99.569	99.584	99.6	0.0095402	-0.0317	-0.02403	-0.0124	0.0050361

Device Test: 6.90; VOL_RESET_10MA_OD





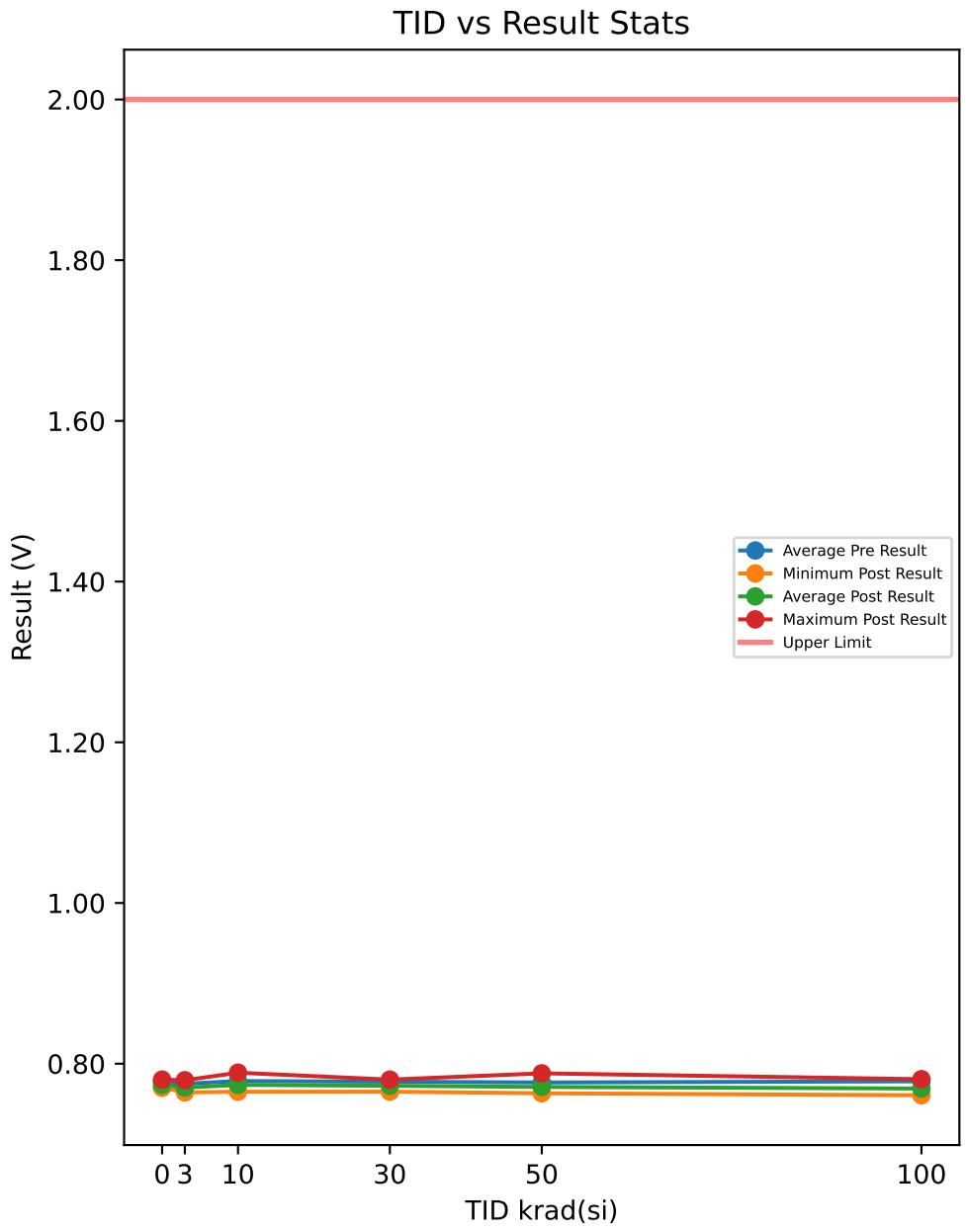
Test Results (Upper Limit = 2.0 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7819	0.7764	-0.0055
2	3	Biased	0.786	0.781	-0.005
3	3	Biased	0.7723	0.7673	-0.005
4	3	Biased	0.7728	0.768	-0.0048
5	3	Biased	0.7768	0.7722	-0.0046
6	3	Unbiased	0.778	0.7737	-0.0043
7	3	Unbiased	0.7756	0.7714	-0.0042
8	3	Unbiased	0.767	0.7625	-0.0045
9	3	Unbiased	0.7702	0.7659	-0.0043
10	3	Unbiased	0.7732	0.7691	-0.0041
11	10	Biased	0.7711	0.7666	-0.0045
12	10	Biased	0.7909	0.7864	-0.0045
13	10	Biased	0.7758	0.7711	-0.0047
14	10	Biased	0.7755	0.7708	-0.0047
15	10	Biased	0.7754	0.771	-0.0044
16	10	Unbiased	0.7711	0.7669	-0.0042
17	10	Unbiased	0.7782	0.7741	-0.0041
18	10	Unbiased	0.7901	0.7856	-0.0045
19	10	Unbiased	0.7735	0.7692	-0.0043
20	10	Unbiased	0.7941	0.79	-0.0041
21	30	Biased	0.7797	0.7748	-0.0049
22	30	Biased	0.7806	0.7758	-0.0048
23	30	Biased	0.7843	0.7796	-0.0047
24	30	Biased	0.7735	0.7692	-0.0043
25	30	Biased	0.7735	0.7689	-0.0046
26	30	Unbiased	0.7848	0.7797	-0.0051
27	30	Unbiased	0.7698	0.7647	-0.0051
28	30	Unbiased	0.7843	0.7791	-0.0052
29	30	Unbiased	0.7771	0.7722	-0.0049
30	30	Unbiased	0.7765	0.7718	-0.0047
31	50	Biased	0.7771	0.7723	-0.0048
32	50	Biased	0.7777	0.773	-0.0047
33	50	Biased	0.774	0.769	-0.005
34	50	Biased	0.7702	0.7652	-0.005
35	50	Biased	0.7879	0.7832	-0.0047
36	50	Unbiased	0.7865	0.7813	-0.0052
37	50	Unbiased	0.7724	0.767	-0.0054
38	50	Unbiased	0.7696	0.7644	-0.0052
39	50	Unbiased	0.7762	0.7706	-0.0056
40	50	Unbiased	0.775	0.7693	-0.0057
41	100	Biased	0.7897	0.7821	-0.0076
42	100	Biased	0.77	0.7617	-0.0083
43	100	Biased	0.7853	0.7764	-0.0089
44	100	Biased	0.7749	0.766	-0.0089
45	100	Biased	0.7758	0.7673	-0.0085
46	100	Unbiased	0.7776	0.7685	-0.0091
47	100	Unbiased	0.7802	0.7718	-0.0084
48	100	Unbiased	0.7715	0.763	-0.0085
49	100	Unbiased	0.7785	0.7697	-0.0088
50	100	Unbiased	0.7738	0.7648	-0.009
51	0	Correlation	0.7734	0.7696	-0.0038
53	0	Correlation	0.781	0.7774	-0.0036
54	0	Correlation	0.775	0.7716	-0.0034
55	0	Correlation	0.7842	0.7804	-0.0038
56	0	Correlation	0.7746	0.7704	-0.0042

Test Statistics (V)

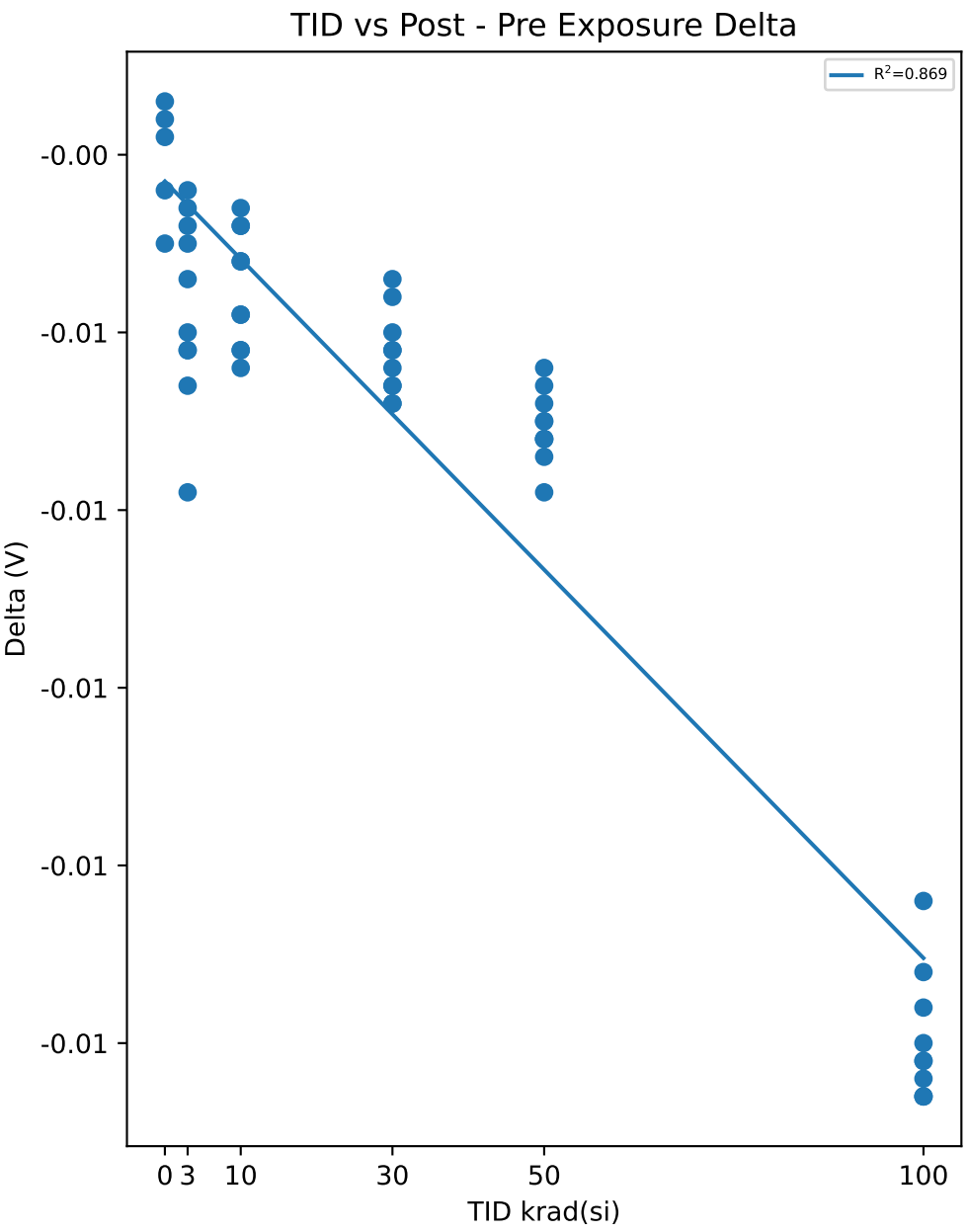
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7734	0.77764	0.7842	0.004704	0.7696	0.77388	0.7804	0.0047573	-0.0042	-0.00376	-0.0034	0.00029665
3	0.767	0.77538	0.786	0.0055994	0.7625	0.77075	0.781	0.0053953	-0.0055	-0.00463	-0.0041	0.00044234
10	0.7711	0.77957	0.7941	0.008697	0.7666	0.77517	0.79	0.0087337	-0.0047	-0.0044	-0.0041	0.00022111
30	0.7698	0.77841	0.7848	0.005211	0.7647	0.77358	0.7797	0.0051164	-0.0052	-0.00483	-0.0043	0.00027101
50	0.7696	0.77666	0.7879	0.0061842	0.7644	0.77153	0.7832	0.0063075	-0.0057	-0.00513	-0.0047	0.00035606
100	0.77	0.77773	0.7897	0.0060831	0.7617	0.76913	0.7821	0.0062681	-0.0091	-0.0086	-0.0076	0.00044472

Device Test: 6.91; VOL_RESET_10MA_OD



Test Results (Upper Limit = 2.0 (V))

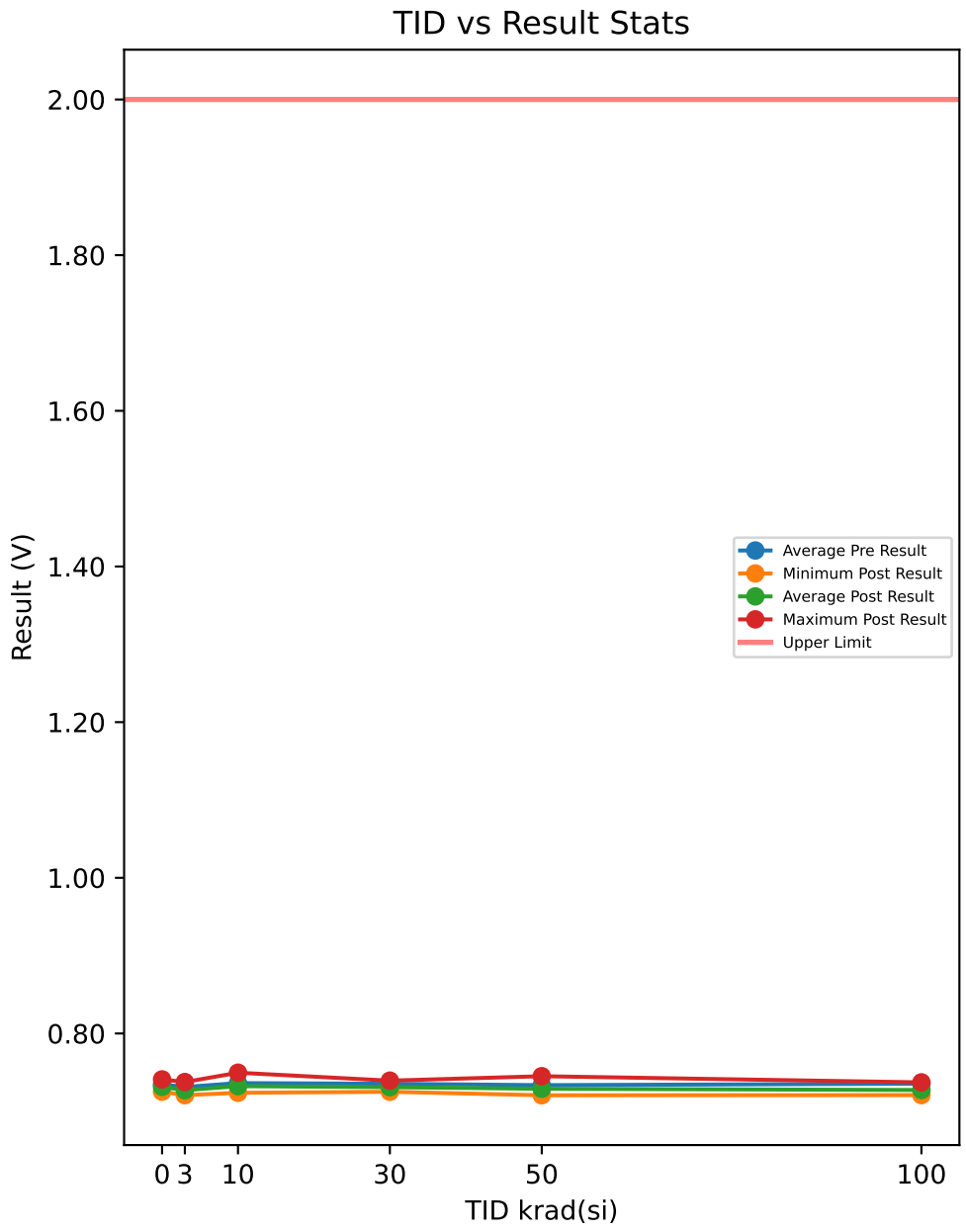
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.782	0.7761	-0.0059
2	3	Biased	0.7845	0.7794	-0.0051
3	3	Biased	0.7728	0.7675	-0.0053
4	3	Biased	0.7721	0.7671	-0.005
5	3	Biased	0.7766	0.7715	-0.0051
6	3	Unbiased	0.7778	0.7734	-0.0044
7	3	Unbiased	0.7733	0.769	-0.0043
8	3	Unbiased	0.769	0.7643	-0.0047
9	3	Unbiased	0.7706	0.7661	-0.0045
10	3	Unbiased	0.7715	0.7673	-0.0042
11	10	Biased	0.77	0.7651	-0.0049
12	10	Biased	0.7906	0.7855	-0.0051
13	10	Biased	0.7754	0.7703	-0.0051
14	10	Biased	0.7738	0.7686	-0.0052
15	10	Biased	0.773	0.7684	-0.0046
16	10	Unbiased	0.7713	0.7667	-0.0046
17	10	Unbiased	0.7768	0.7724	-0.0044
18	10	Unbiased	0.7883	0.7834	-0.0049
19	10	Unbiased	0.7719	0.7675	-0.0044
20	10	Unbiased	0.7931	0.7888	-0.0043
21	30	Biased	0.7764	0.771	-0.0054
22	30	Biased	0.779	0.7736	-0.0054
23	30	Biased	0.7839	0.7788	-0.0051
24	30	Biased	0.77	0.7652	-0.0048
25	30	Biased	0.7742	0.7692	-0.005
26	30	Unbiased	0.7833	0.778	-0.0053
27	30	Unbiased	0.7708	0.7656	-0.0052
28	30	Unbiased	0.7855	0.7802	-0.0053
29	30	Unbiased	0.7775	0.7724	-0.0051
30	30	Unbiased	0.7758	0.7711	-0.0047
31	50	Biased	0.7741	0.7687	-0.0054
32	50	Biased	0.7782	0.773	-0.0052
33	50	Biased	0.7716	0.766	-0.0056
34	50	Biased	0.7687	0.7632	-0.0055
35	50	Biased	0.7933	0.788	-0.0053
36	50	Unbiased	0.7882	0.7827	-0.0055
37	50	Unbiased	0.7717	0.7661	-0.0056
38	50	Unbiased	0.7699	0.7643	-0.0056
39	50	Unbiased	0.7773	0.7716	-0.0057
40	50	Unbiased	0.773	0.7671	-0.0059
41	100	Biased	0.7889	0.7807	-0.0082
42	100	Biased	0.7697	0.7607	-0.009
43	100	Biased	0.7848	0.7755	-0.0093
44	100	Biased	0.7773	0.768	-0.0093
45	100	Biased	0.7781	0.769	-0.0091
46	100	Unbiased	0.7774	0.7681	-0.0093
47	100	Unbiased	0.7809	0.7723	-0.0086
48	100	Unbiased	0.7705	0.7617	-0.0088
49	100	Unbiased	0.7768	0.7677	-0.0091
50	100	Unbiased	0.7763	0.7671	-0.0092
51	0	Correlation	0.7748	0.7706	-0.0042
53	0	Correlation	0.7799	0.7762	-0.0037
54	0	Correlation	0.7748	0.771	-0.0038
55	0	Correlation	0.7841	0.7802	-0.0039
56	0	Correlation	0.7746	0.7701	-0.0045

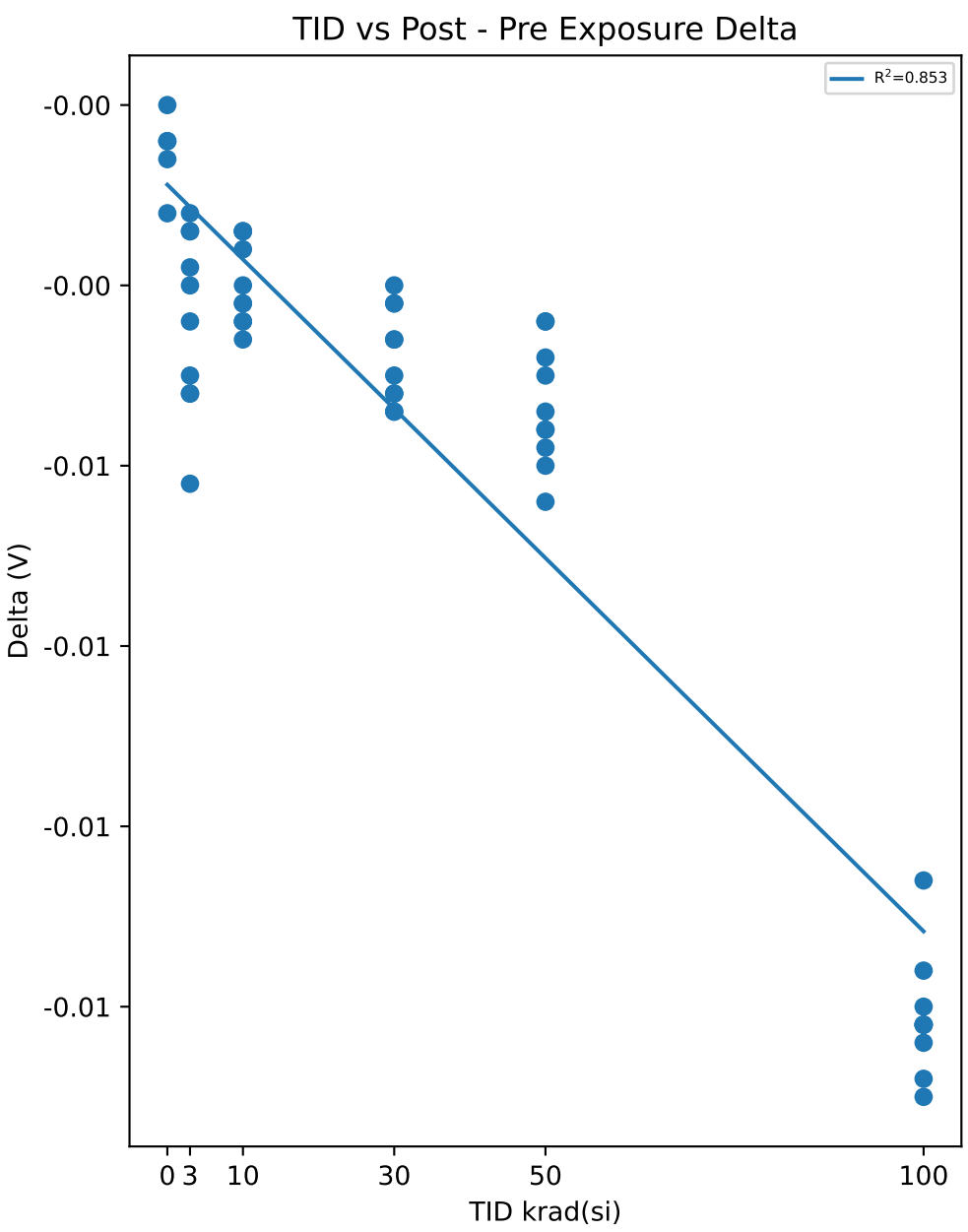


Test Statistics (V)

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	0.7746	0.77764	0.7841	0.0042489	0.7701	0.77362	0.7802	0.0044252	-0.0045	-0.00402	-0.0037	0.00032711
3	0.769	0.77502	0.7845	0.0050924	0.7643	0.77017	0.7794	0.0048275	-0.0059	-0.00485	-0.0042	0.00052967
10	0.77	0.77842	0.7931	0.0087435	0.7651	0.77367	0.7888	0.0087565	-0.0052	-0.00475	-0.0043	0.00033082
30	0.77	0.77764	0.7855	0.0053415	0.7652	0.77251	0.7802	0.0052329	-0.0054	-0.00513	-0.0047	0.0002406
50	0.7687	0.7766	0.7933	0.0081105	0.7632	0.77107	0.788	0.0082019	-0.0059	-0.00553	-0.0052	0.00020028
100	0.7697	0.77807	0.7889	0.0058094	0.7607	0.76908	0.7807	0.0059559	-0.0093	-0.00899	-0.0082	0.0003604

Device Test: 6.92; VOL_WDO_10MA_OD





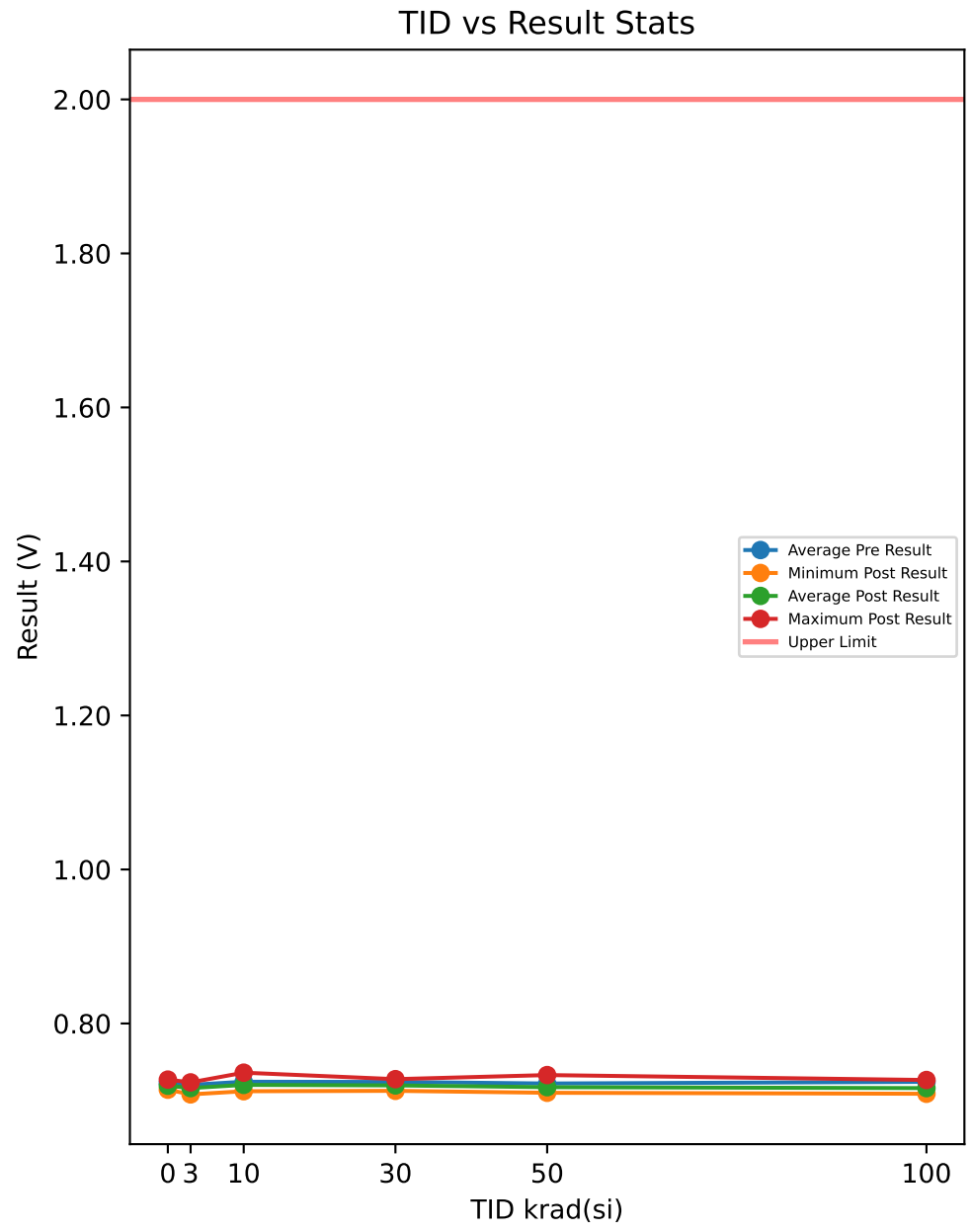
Test Results (Upper Limit = 2.0 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7368	0.7317	-0.0051
2	3	Biased	0.7422	0.7376	-0.0046
3	3	Biased	0.7272	0.7226	-0.0046
4	3	Biased	0.7283	0.7238	-0.0045
5	3	Biased	0.734	0.7298	-0.0042
6	3	Unbiased	0.732	0.7281	-0.0039
7	3	Unbiased	0.7318	0.7281	-0.0037
8	3	Unbiased	0.7247	0.7207	-0.004
9	3	Unbiased	0.7244	0.7207	-0.0037
10	3	Unbiased	0.7315	0.7279	-0.0036
11	10	Biased	0.7281	0.7239	-0.0042
12	10	Biased	0.7505	0.7462	-0.0043
13	10	Biased	0.7325	0.7284	-0.0041
14	10	Biased	0.7304	0.7262	-0.0042
15	10	Biased	0.7305	0.7265	-0.004
16	10	Unbiased	0.7293	0.7256	-0.0037
17	10	Unbiased	0.7335	0.7298	-0.0037
18	10	Unbiased	0.747	0.7429	-0.0041
19	10	Unbiased	0.7276	0.7238	-0.0038
20	10	Unbiased	0.7533	0.7496	-0.0037
21	30	Biased	0.735	0.7305	-0.0045
22	30	Biased	0.7355	0.7312	-0.0043
23	30	Biased	0.7403	0.7362	-0.0041
24	30	Biased	0.731	0.7269	-0.0041
25	30	Biased	0.7305	0.7265	-0.004
26	30	Unbiased	0.7437	0.7391	-0.0046
27	30	Unbiased	0.7297	0.7251	-0.0046
28	30	Unbiased	0.7441	0.7394	-0.0047
29	30	Unbiased	0.7335	0.7288	-0.0047
30	30	Unbiased	0.7305	0.7262	-0.0043
31	50	Biased	0.7289	0.7245	-0.0044
32	50	Biased	0.7318	0.7276	-0.0042
33	50	Biased	0.728	0.7235	-0.0045
34	50	Biased	0.7253	0.7206	-0.0047
35	50	Biased	0.7493	0.7451	-0.0042
36	50	Unbiased	0.7488	0.744	-0.0048
37	50	Unbiased	0.7277	0.7229	-0.0048
38	50	Unbiased	0.7276	0.7227	-0.0049
39	50	Unbiased	0.736	0.731	-0.005
40	50	Unbiased	0.7327	0.7275	-0.0052
41	100	Biased	0.7418	0.7345	-0.0073
42	100	Biased	0.7295	0.7217	-0.0078
43	100	Biased	0.7457	0.7372	-0.0085
44	100	Biased	0.7309	0.7227	-0.0082
45	100	Biased	0.7353	0.7273	-0.008
46	100	Unbiased	0.7371	0.7287	-0.0084
47	100	Unbiased	0.7411	0.733	-0.0081
48	100	Unbiased	0.7289	0.7208	-0.0081
49	100	Unbiased	0.7325	0.7244	-0.0081
50	100	Unbiased	0.7316	0.7235	-0.0081
51	0	Correlation	0.7285	0.7252	-0.0033
53	0	Correlation	0.7381	0.7351	-0.003
54	0	Correlation	0.7324	0.7292	-0.0032
55	0	Correlation	0.7442	0.741	-0.0032
56	0	Correlation	0.7303	0.7267	-0.0036

Test Statistics (V)

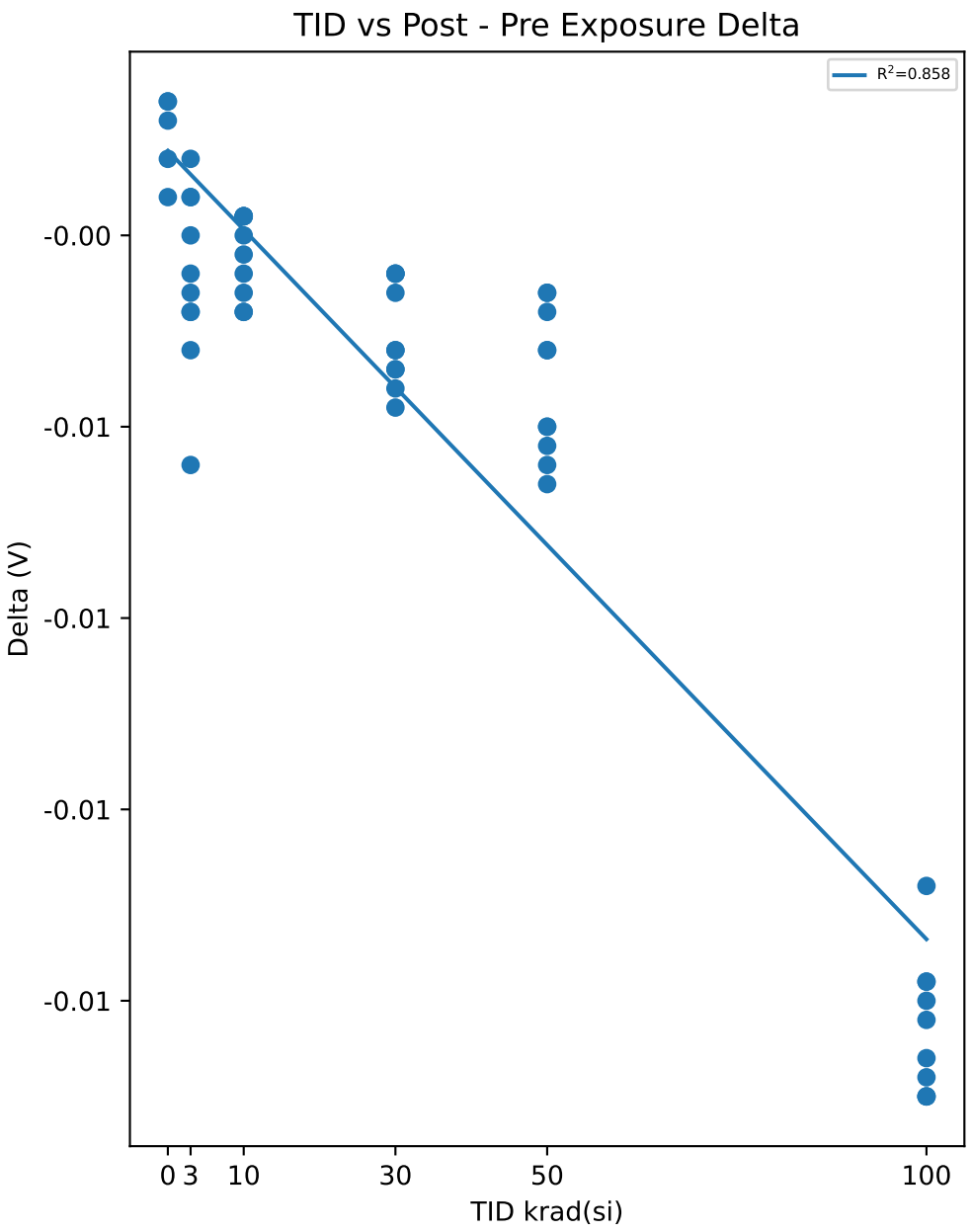
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7285	0.7347	0.7442	0.0064207	0.7252	0.73144	0.741	0.0065424	-0.0036	-0.00326	-0.003	0.00021909
3	0.7244	0.73129	0.7422	0.0055187	0.7207	0.7271	0.7376	0.0053166	-0.0051	-0.00419	-0.0036	0.00049542
10	0.7276	0.73627	0.7533	0.0099319	0.7238	0.73229	0.7496	0.0099156	-0.0043	-0.00398	-0.0037	0.00023476
30	0.7297	0.73538	0.7441	0.0054999	0.7251	0.73099	0.7394	0.0054083	-0.0047	-0.00439	-0.004	0.00026437
50	0.7253	0.73361	0.7493	0.0086954	0.7206	0.72894	0.7451	0.0087581	-0.0052	-0.00467	-0.0042	0.00033682
100	0.7289	0.73544	0.7457	0.0057983	0.7208	0.72738	0.7372	0.0057913	-0.0085	-0.00806	-0.0073	0.00033066

Device Test: 6.93; VOL_PWRGD_10MA_OD



Test Results (Upper Limit = 2.0 (V))

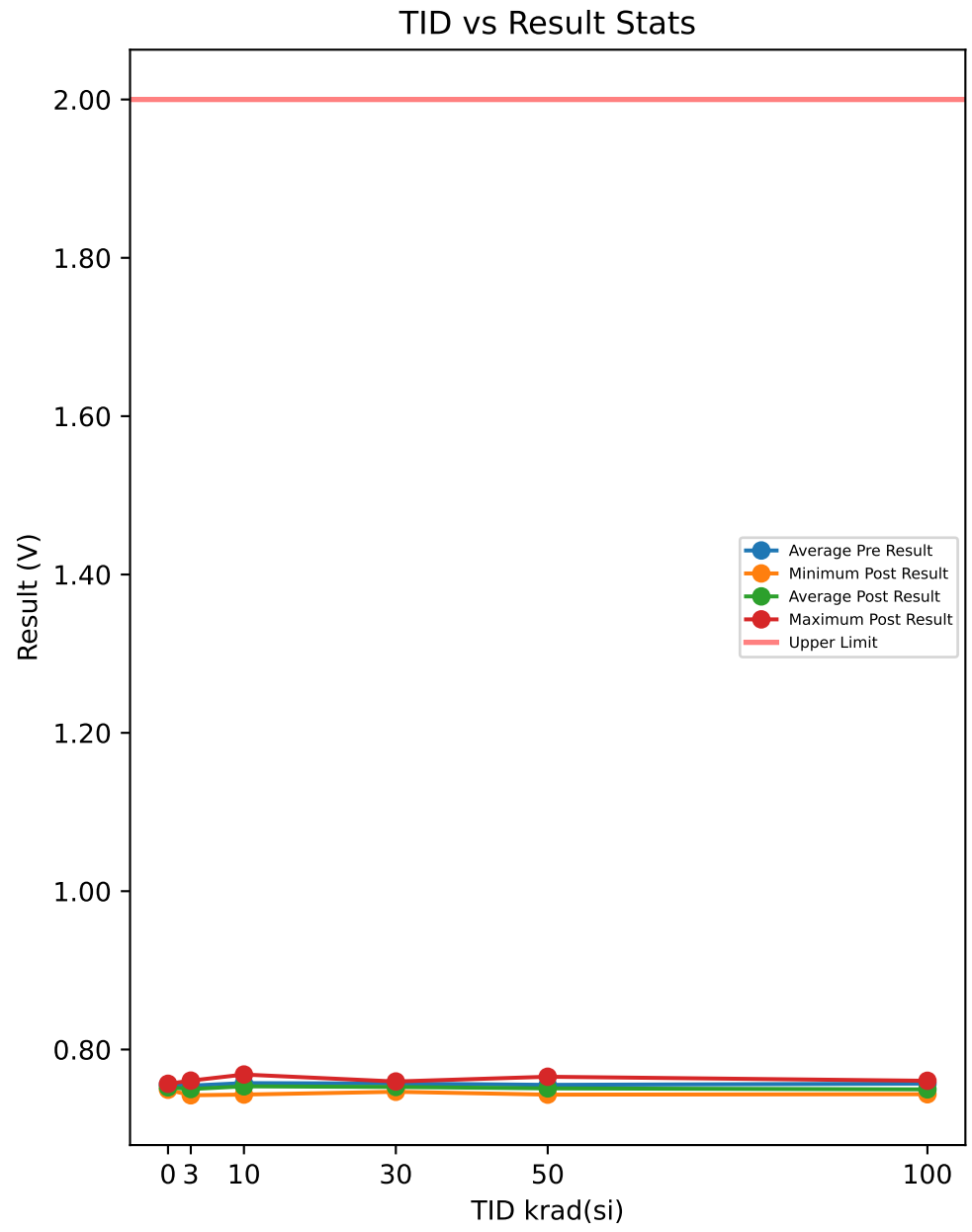
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7268	0.7216	-0.0052
2	3	Biased	0.7279	0.7235	-0.0044
3	3	Biased	0.7166	0.712	-0.0046
4	3	Biased	0.7181	0.7138	-0.0043
5	3	Biased	0.7225	0.7181	-0.0044
6	3	Unbiased	0.7222	0.7182	-0.004
7	3	Unbiased	0.7233	0.7195	-0.0038
8	3	Unbiased	0.7121	0.7079	-0.0042
9	3	Unbiased	0.7149	0.7111	-0.0038
10	3	Unbiased	0.7188	0.7152	-0.0036
11	10	Biased	0.7166	0.7124	-0.0042
12	10	Biased	0.7395	0.7351	-0.0044
13	10	Biased	0.7209	0.7165	-0.0044
14	10	Biased	0.7192	0.7149	-0.0043
15	10	Biased	0.7174	0.7133	-0.0041
16	10	Unbiased	0.7159	0.712	-0.0039
17	10	Unbiased	0.7218	0.7179	-0.0039
18	10	Unbiased	0.7351	0.7311	-0.004
19	10	Unbiased	0.717	0.7131	-0.0039
20	10	Unbiased	0.74	0.7361	-0.0039
21	30	Biased	0.7235	0.7189	-0.0046
22	30	Biased	0.7249	0.7202	-0.0047
23	30	Biased	0.7266	0.7223	-0.0043
24	30	Biased	0.7194	0.7152	-0.0042
25	30	Biased	0.7208	0.7166	-0.0042
26	30	Unbiased	0.732	0.7271	-0.0049
27	30	Unbiased	0.7172	0.7125	-0.0047
28	30	Unbiased	0.7325	0.7277	-0.0048
29	30	Unbiased	0.7229	0.7183	-0.0046
30	30	Unbiased	0.721	0.7168	-0.0042
31	50	Biased	0.7197	0.7153	-0.0044
32	50	Biased	0.7216	0.7173	-0.0043
33	50	Biased	0.7192	0.7146	-0.0046
34	50	Biased	0.7146	0.71	-0.0046
35	50	Biased	0.7373	0.733	-0.0043
36	50	Unbiased	0.7341	0.7291	-0.005
37	50	Unbiased	0.7162	0.7111	-0.0051
38	50	Unbiased	0.7151	0.7101	-0.005
39	50	Unbiased	0.7225	0.7173	-0.0052
40	50	Unbiased	0.7202	0.7149	-0.0053
41	100	Biased	0.7313	0.7239	-0.0074
42	100	Biased	0.7169	0.709	-0.0079
43	100	Biased	0.7351	0.7266	-0.0085
44	100	Biased	0.7202	0.7119	-0.0083
45	100	Biased	0.7243	0.7163	-0.008
46	100	Unbiased	0.7245	0.716	-0.0085
47	100	Unbiased	0.7318	0.7237	-0.0081
48	100	Unbiased	0.7166	0.7087	-0.0079
49	100	Unbiased	0.7211	0.7127	-0.0084
50	100	Unbiased	0.7201	0.7116	-0.0085
51	0	Correlation	0.7176	0.714	-0.0036
53	0	Correlation	0.7234	0.7201	-0.0033
54	0	Correlation	0.7214	0.7181	-0.0033
55	0	Correlation	0.7305	0.7271	-0.0034
56	0	Correlation	0.7203	0.7165	-0.0038

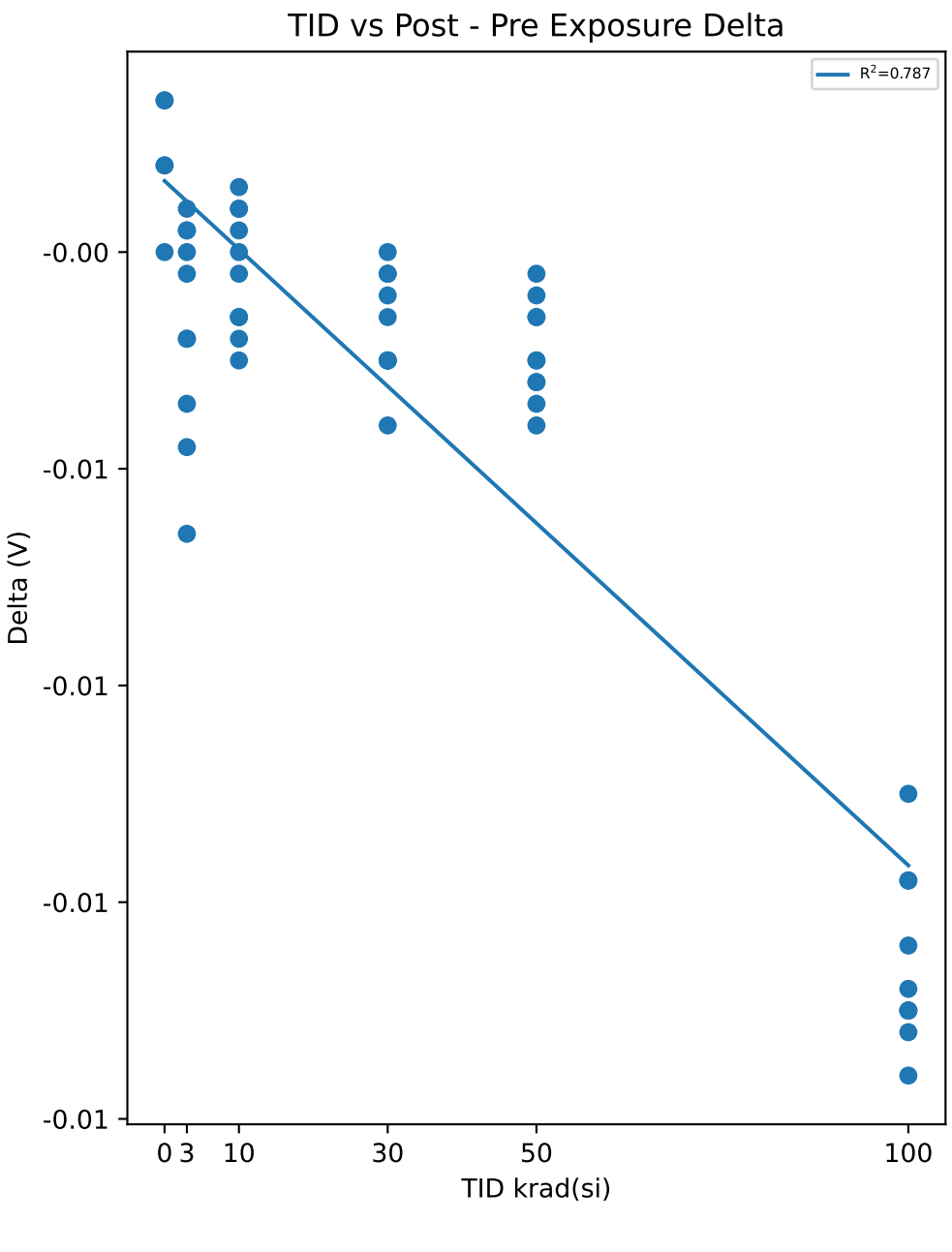


Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7176	0.72264	0.7305	0.0048675	0.714	0.71916	0.7271	0.0049687	-0.0038	-0.00348	-0.0033	0.00021679
3	0.7121	0.72032	0.7279	0.0051059	0.7079	0.71609	0.7235	0.0049456	-0.0052	-0.00423	-0.0036	0.00046679
10	0.7159	0.72434	0.74	0.0098247	0.712	0.72024	0.7361	0.0098137	-0.0044	-0.0041	-0.0039	0.00021082
30	0.7172	0.72408	0.7325	0.0050756	0.7125	0.71956	0.7277	0.0049248	-0.0049	-0.00452	-0.0042	0.00026998
50	0.7146	0.72205	0.7373	0.0076975	0.71	0.71727	0.733	0.0077913	-0.0053	-0.00478	-0.0043	0.00038239
100	0.7166	0.72419	0.7351	0.0065026	0.7087	0.71604	0.7266	0.0065276	-0.0085	-0.00815	-0.0074	0.00035978

Device Test: 6.94; VOL_RESET_10MA_OD





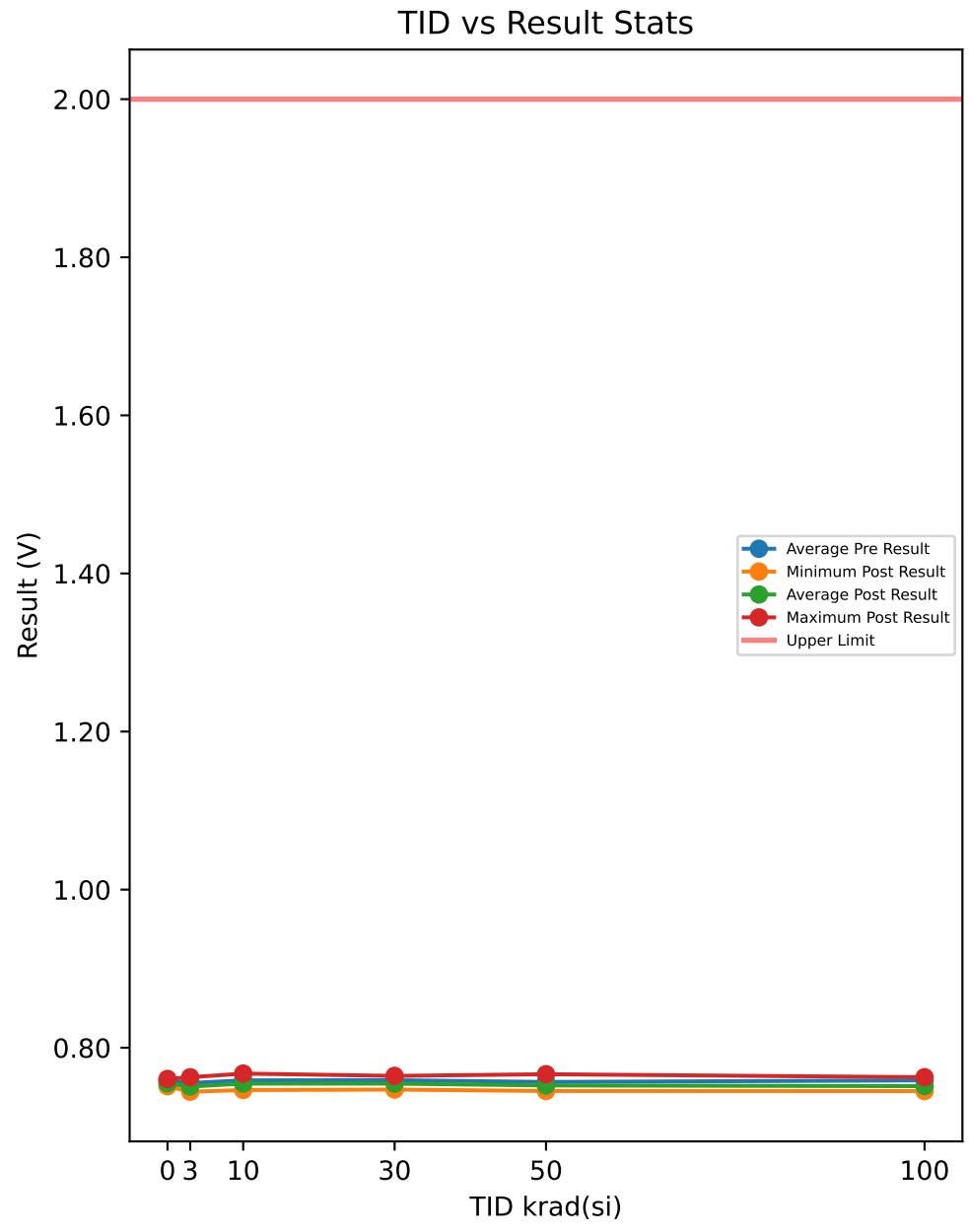
Test Results (Upper Limit = 2.0 (V))

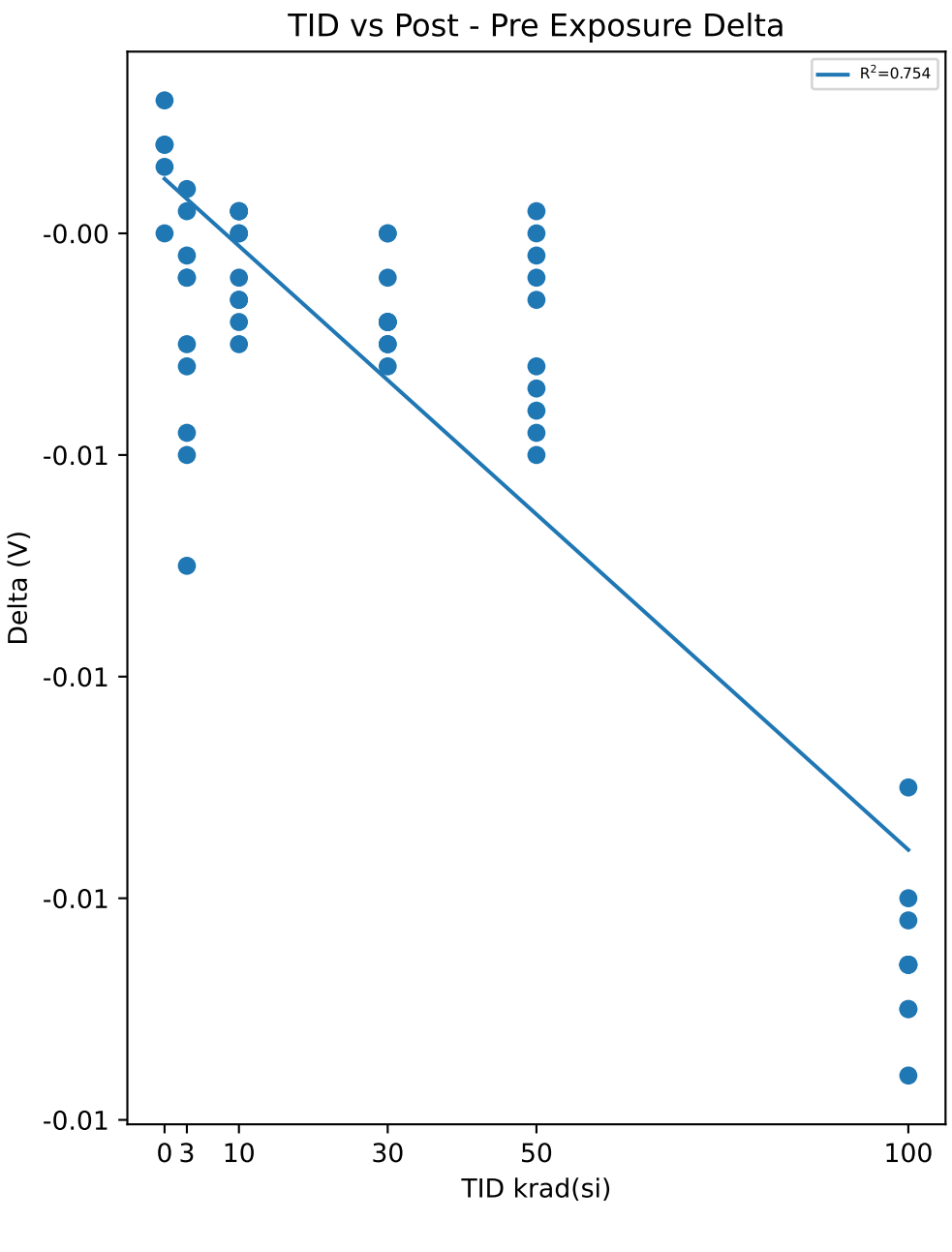
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7602	0.7549	-0.0053
2	3	Biased	0.7654	0.7607	-0.0047
3	3	Biased	0.7534	0.7485	-0.0049
4	3	Biased	0.7527	0.7483	-0.0044
5	3	Biased	0.7539	0.7495	-0.0044
6	3	Unbiased	0.7558	0.7518	-0.004
7	3	Unbiased	0.7556	0.7517	-0.0039
8	3	Unbiased	0.748	0.7439	-0.0041
9	3	Unbiased	0.7461	0.7422	-0.0039
10	3	Unbiased	0.7529	0.7491	-0.0038
11	10	Biased	0.7476	0.7431	-0.0045
12	10	Biased	0.7728	0.7684	-0.0044
13	10	Biased	0.7555	0.7512	-0.0043
14	10	Biased	0.7523	0.748	-0.0043
15	10	Biased	0.7539	0.7498	-0.0041
16	10	Unbiased	0.7519	0.7482	-0.0037
17	10	Unbiased	0.7549	0.7511	-0.0038
18	10	Unbiased	0.7667	0.7627	-0.004
19	10	Unbiased	0.751	0.7471	-0.0039
20	10	Unbiased	0.7691	0.7653	-0.0038
21	30	Biased	0.7577	0.7529	-0.0048
22	30	Biased	0.7559	0.7514	-0.0045
23	30	Biased	0.7641	0.7596	-0.0045
24	30	Biased	0.752	0.748	-0.004
25	30	Biased	0.7513	0.7472	-0.0041
26	30	Unbiased	0.7622	0.7579	-0.0043
27	30	Unbiased	0.7511	0.7466	-0.0045
28	30	Unbiased	0.7618	0.7573	-0.0045
29	30	Unbiased	0.7566	0.7524	-0.0042
30	30	Unbiased	0.7575	0.7534	-0.0041
31	50	Biased	0.7556	0.7511	-0.0045
32	50	Biased	0.7569	0.7526	-0.0043
33	50	Biased	0.7513	0.7471	-0.0042
34	50	Biased	0.7471	0.743	-0.0041
35	50	Biased	0.7699	0.7656	-0.0043
36	50	Unbiased	0.7653	0.7608	-0.0045
37	50	Unbiased	0.7503	0.7457	-0.0046
38	50	Unbiased	0.7487	0.744	-0.0047
39	50	Unbiased	0.7542	0.7494	-0.0048
40	50	Unbiased	0.7543	0.7497	-0.0046
41	100	Biased	0.767	0.7605	-0.0065
42	100	Biased	0.751	0.7435	-0.0075
43	100	Biased	0.7659	0.7581	-0.0078
44	100	Biased	0.7541	0.7465	-0.0076
45	100	Biased	0.754	0.7465	-0.0075
46	100	Unbiased	0.7586	0.7511	-0.0075
47	100	Unbiased	0.7594	0.7525	-0.0069
48	100	Unbiased	0.7519	0.745	-0.0069
49	100	Unbiased	0.7538	0.7466	-0.0072
50	100	Unbiased	0.7537	0.7463	-0.0074
51	0	Correlation	0.7529	0.7493	-0.0036
53	0	Correlation	0.76	0.7567	-0.0033
54	0	Correlation	0.7525	0.7492	-0.0033
55	0	Correlation	0.76	0.7564	-0.0036
56	0	Correlation	0.7535	0.7495	-0.004

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	0.7525	0.75578	0.76	0.0038687	0.7492	0.75222	0.7567	0.0039556	-0.004	-0.00356	-0.0033	0.0002881
3	0.7461	0.7544	0.7654	0.0055205	0.7422	0.75006	0.7607	0.0052583	-0.0053	-0.00434	-0.0038	0.0004971
10	0.7476	0.75757	0.7728	0.0086642	0.7431	0.75349	0.7684	0.00868	-0.0045	-0.00408	-0.0037	0.00028206
30	0.7511	0.75702	0.7641	0.0046535	0.7466	0.75267	0.7596	0.0045663	-0.0048	-0.00435	-0.004	0.00025055
50	0.7471	0.75536	0.7699	0.0072248	0.743	0.7509	0.7656	0.0072435	-0.0048	-0.00446	-0.0041	0.00022706
100	0.751	0.75694	0.767	0.0056573	0.7435	0.74966	0.7605	0.0057655	-0.0078	-0.00728	-0.0065	0.00039944

Device Test: 6.95; VOL_RESET_10MA_OD





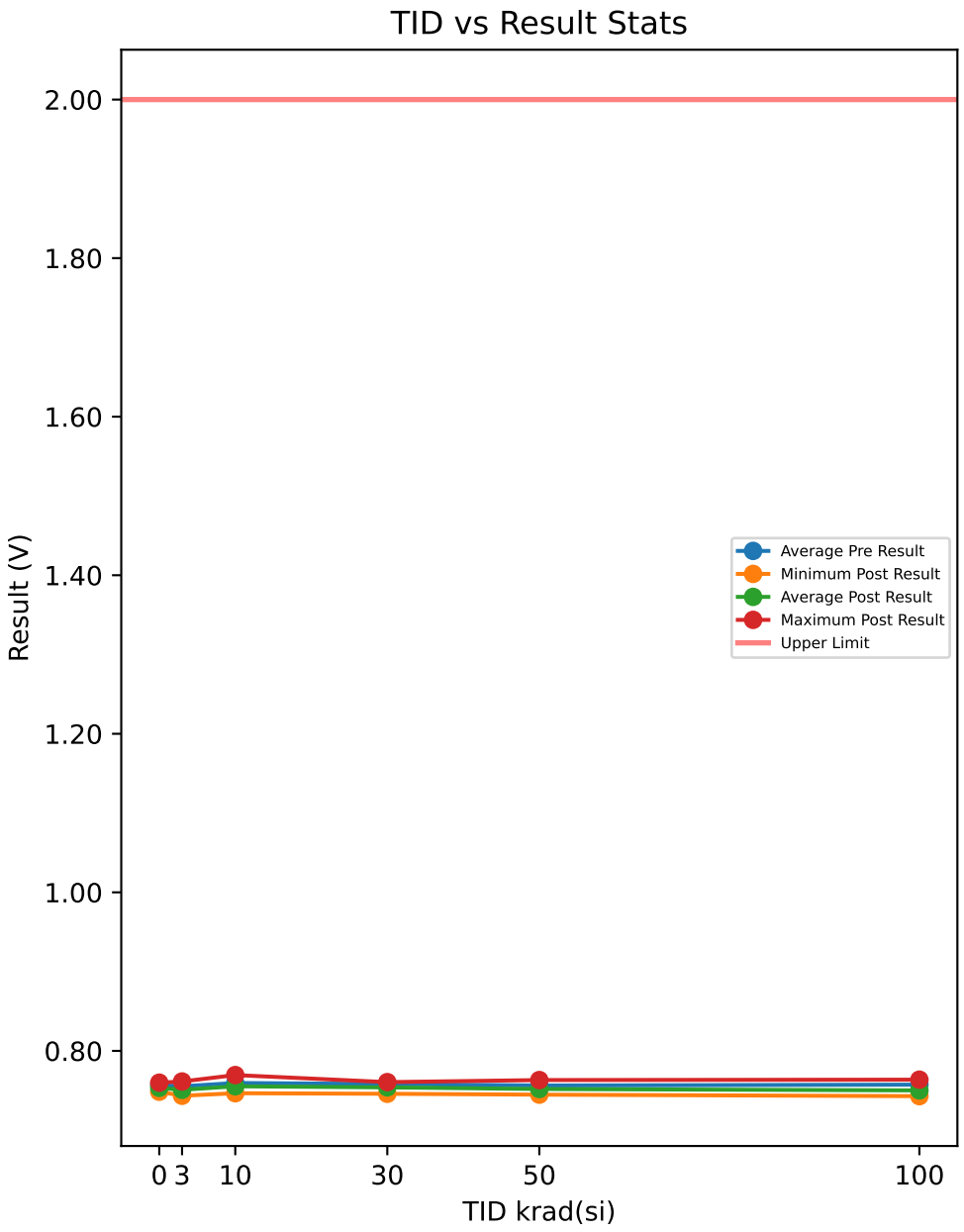
Test Results (Upper Limit = 2.0 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7622	0.7567	-0.0055
2	3	Biased	0.7676	0.7627	-0.0049
3	3	Biased	0.7523	0.7473	-0.005
4	3	Biased	0.7519	0.7473	-0.0046
5	3	Biased	0.7552	0.7507	-0.0045
6	3	Unbiased	0.7577	0.7535	-0.0042
7	3	Unbiased	0.7562	0.7523	-0.0039
8	3	Unbiased	0.7489	0.7447	-0.0042
9	3	Unbiased	0.7484	0.7443	-0.0041
10	3	Unbiased	0.7533	0.7495	-0.0038
11	10	Biased	0.751	0.7465	-0.0045
12	10	Biased	0.7709	0.7666	-0.0043
13	10	Biased	0.7564	0.7521	-0.0043
14	10	Biased	0.7547	0.7503	-0.0044
15	10	Biased	0.7561	0.7519	-0.0042
16	10	Unbiased	0.7532	0.7492	-0.004
17	10	Unbiased	0.7562	0.7523	-0.0039
18	10	Unbiased	0.7671	0.7631	-0.004
19	10	Unbiased	0.7509	0.747	-0.0039
20	10	Unbiased	0.7712	0.7673	-0.0039
21	30	Biased	0.7587	0.7541	-0.0046
22	30	Biased	0.757	0.7526	-0.0044
23	30	Biased	0.7688	0.7644	-0.0044
24	30	Biased	0.7542	0.7502	-0.004
25	30	Biased	0.7547	0.7507	-0.004
26	30	Unbiased	0.7642	0.7598	-0.0044
27	30	Unbiased	0.7516	0.7471	-0.0045
28	30	Unbiased	0.7652	0.7607	-0.0045
29	30	Unbiased	0.7583	0.7539	-0.0044
30	30	Unbiased	0.7565	0.7523	-0.0042
31	50	Biased	0.755	0.7507	-0.0043
32	50	Biased	0.7573	0.7533	-0.004
33	50	Biased	0.7535	0.7494	-0.0041
34	50	Biased	0.7492	0.7453	-0.0039
35	50	Biased	0.7707	0.7665	-0.0042
36	50	Unbiased	0.7676	0.7629	-0.0047
37	50	Unbiased	0.7522	0.7476	-0.0046
38	50	Unbiased	0.7503	0.7455	-0.0048
39	50	Unbiased	0.7563	0.7514	-0.0049
40	50	Unbiased	0.7552	0.7502	-0.005
41	100	Biased	0.7692	0.7627	-0.0065
42	100	Biased	0.7525	0.7452	-0.0073
43	100	Biased	0.7638	0.756	-0.0078
44	100	Biased	0.7577	0.7502	-0.0075
45	100	Biased	0.7568	0.7495	-0.0073
46	100	Unbiased	0.7596	0.7521	-0.0075
47	100	Unbiased	0.761	0.7539	-0.0071
48	100	Unbiased	0.7541	0.7471	-0.007
49	100	Unbiased	0.7546	0.7473	-0.0073
50	100	Unbiased	0.7577	0.7504	-0.0073
51	0	Correlation	0.7549	0.7513	-0.0036
53	0	Correlation	0.7624	0.759	-0.0034
54	0	Correlation	0.7554	0.7518	-0.0036
55	0	Correlation	0.7642	0.7605	-0.0037
56	0	Correlation	0.7563	0.7523	-0.004

Test Statistics (V)

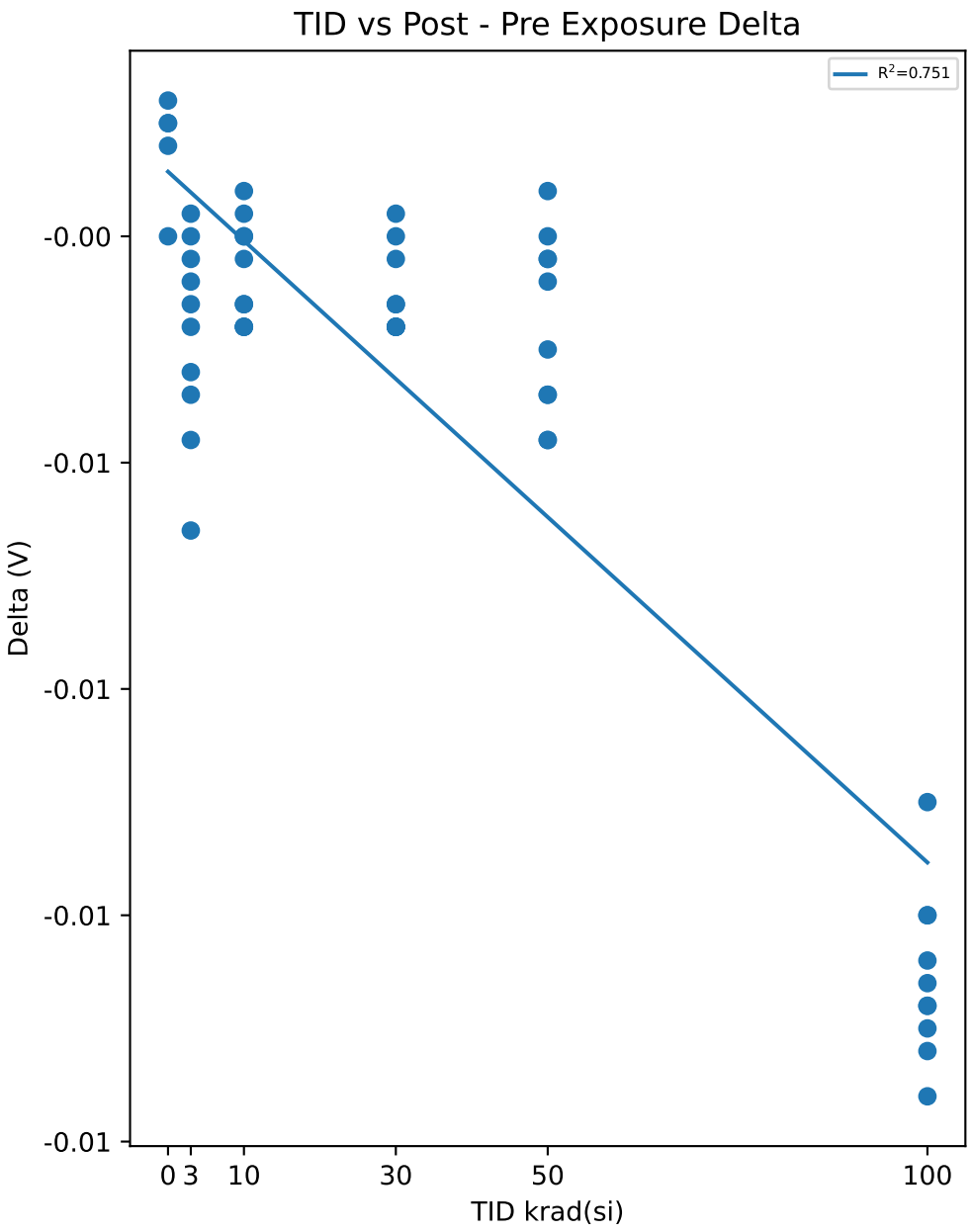
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7549	0.75864	0.7642	0.0043305	0.7513	0.75498	0.7605	0.0044008	-0.004	-0.00366	-0.0034	0.00021909
3	0.7484	0.75537	0.7676	0.0059494	0.7443	0.7509	0.7627	0.0056913	-0.0055	-0.00447	-0.0038	0.00053759
10	0.7509	0.75877	0.7712	0.0078901	0.7465	0.75463	0.7673	0.0079399	-0.0045	-0.00414	-0.0039	0.00022706
30	0.7516	0.75892	0.7688	0.0054628	0.7471	0.75458	0.7644	0.0053866	-0.0046	-0.00434	-0.004	0.00020656
50	0.7492	0.75673	0.7707	0.0070566	0.7453	0.75228	0.7665	0.0070594	-0.005	-0.00445	-0.0039	0.00039791
100	0.7525	0.7587	0.7692	0.0049931	0.7452	0.75144	0.7627	0.0051139	-0.0078	-0.00726	-0.0065	0.00034705

Device Test: 6.96; VOL_RESET_10MA_OD



Test Results (Upper Limit = 2.0 (V))

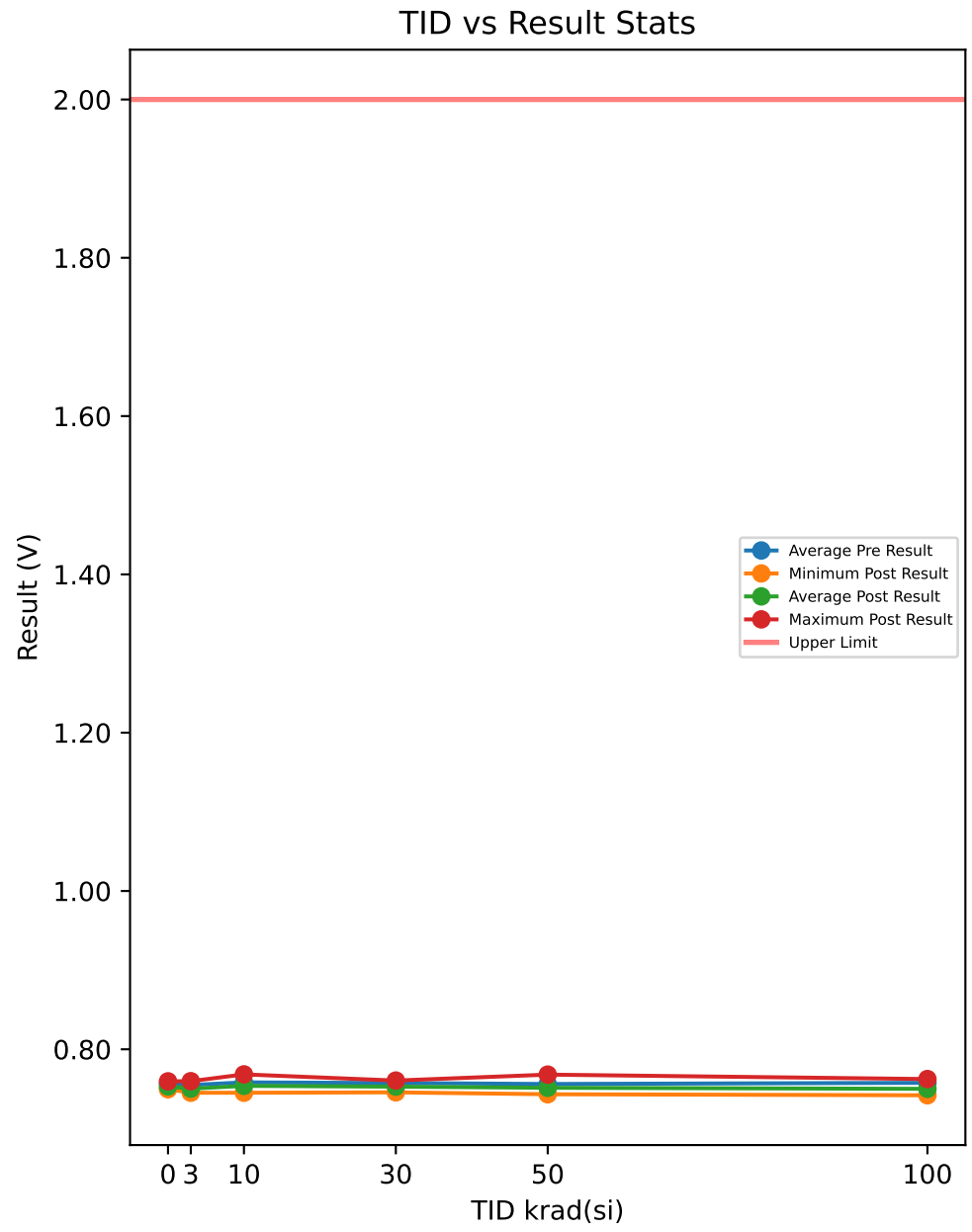
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7621	0.7568	-0.0053
2	3	Biased	0.766	0.7614	-0.0046
3	3	Biased	0.7522	0.7473	-0.0049
4	3	Biased	0.7533	0.7486	-0.0047
5	3	Biased	0.7566	0.7522	-0.0044
6	3	Unbiased	0.7576	0.7534	-0.0042
7	3	Unbiased	0.7553	0.7513	-0.004
8	3	Unbiased	0.7477	0.7434	-0.0043
9	3	Unbiased	0.7491	0.745	-0.0041
10	3	Unbiased	0.7535	0.7496	-0.0039
11	10	Biased	0.751	0.7466	-0.0044
12	10	Biased	0.7717	0.7673	-0.0044
13	10	Biased	0.7556	0.7513	-0.0043
14	10	Biased	0.7552	0.7508	-0.0044
15	10	Biased	0.7549	0.7508	-0.0041
16	10	Unbiased	0.7522	0.7482	-0.004
17	10	Unbiased	0.7579	0.754	-0.0039
18	10	Unbiased	0.7695	0.7652	-0.0043
19	10	Unbiased	0.7535	0.7497	-0.0038
20	10	Unbiased	0.7735	0.7695	-0.004
21	30	Biased	0.7591	0.7547	-0.0044
22	30	Biased	0.76	0.7556	-0.0044
23	30	Biased	0.765	0.7606	-0.0044
24	30	Biased	0.7534	0.7495	-0.0039
25	30	Biased	0.7527	0.7487	-0.004
26	30	Unbiased	0.7645	0.7602	-0.0043
27	30	Unbiased	0.7503	0.7459	-0.0044
28	30	Unbiased	0.764	0.7596	-0.0044
29	30	Unbiased	0.7572	0.7529	-0.0043
30	30	Unbiased	0.7561	0.752	-0.0041
31	50	Biased	0.757	0.7528	-0.0042
32	50	Biased	0.7581	0.7541	-0.004
33	50	Biased	0.7531	0.749	-0.0041
34	50	Biased	0.7491	0.7453	-0.0038
35	50	Biased	0.7673	0.7632	-0.0041
36	50	Unbiased	0.7667	0.7622	-0.0045
37	50	Unbiased	0.7517	0.747	-0.0047
38	50	Unbiased	0.7495	0.7448	-0.0047
39	50	Unbiased	0.756	0.7511	-0.0049
40	50	Unbiased	0.7545	0.7496	-0.0049
41	100	Biased	0.7702	0.7637	-0.0065
42	100	Biased	0.7501	0.7429	-0.0072
43	100	Biased	0.7655	0.7577	-0.0078
44	100	Biased	0.754	0.7464	-0.0076
45	100	Biased	0.7555	0.7481	-0.0074
46	100	Unbiased	0.7571	0.7496	-0.0075
47	100	Unbiased	0.7594	0.7524	-0.007
48	100	Unbiased	0.7516	0.7446	-0.007
49	100	Unbiased	0.7573	0.75	-0.0073
50	100	Unbiased	0.7535	0.7461	-0.0074
51	0	Correlation	0.7521	0.7485	-0.0036
53	0	Correlation	0.7606	0.7572	-0.0034
54	0	Correlation	0.7545	0.751	-0.0035
55	0	Correlation	0.7634	0.7599	-0.0035
56	0	Correlation	0.7543	0.7503	-0.004



Test Statistics (V)

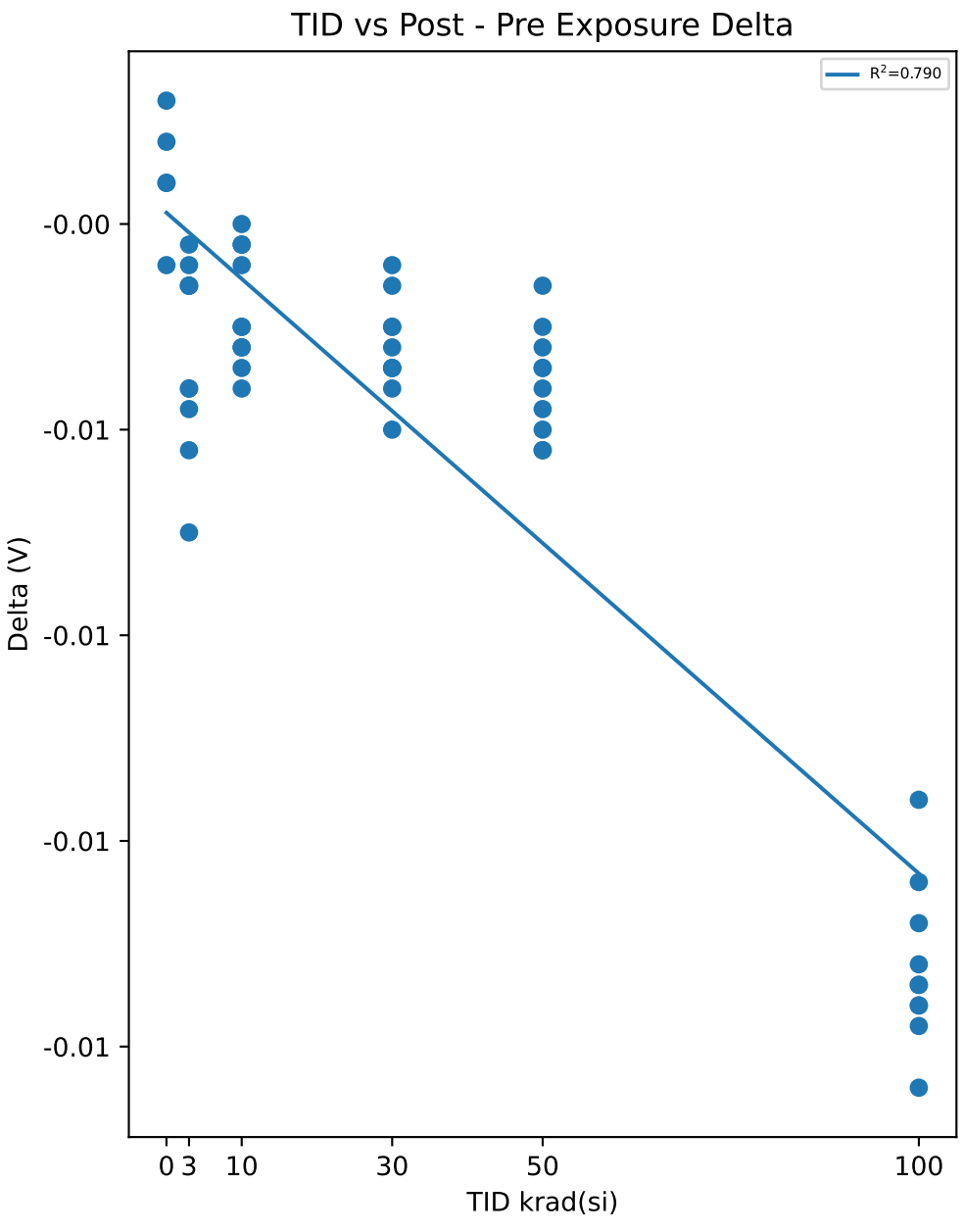
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7521	0.75698	0.7634	0.0047819	0.7485	0.75338	0.7599	0.0049007	-0.004	-0.0036	-0.0034	0.00023452
3	0.7477	0.75534	0.766	0.0055851	0.7434	0.7509	0.7614	0.0054177	-0.0053	-0.00444	-0.0039	0.00043767
10	0.751	0.7595	0.7735	0.0085881	0.7466	0.75534	0.7695	0.0085588	-0.0044	-0.00416	-0.0038	0.00022706
30	0.7503	0.75823	0.765	0.0052145	0.7459	0.75397	0.7606	0.005116	-0.0044	-0.00426	-0.0039	0.00018974
50	0.7491	0.7563	0.7673	0.0063744	0.7448	0.75191	0.7632	0.0064269	-0.0049	-0.00439	-0.0038	0.00039847
100	0.7501	0.75742	0.7702	0.0062437	0.7429	0.75015	0.7637	0.0063598	-0.0078	-0.00727	-0.0065	0.00036833

Device Test: 6.97; VOL_RESET_10MA_OD



Test Results (Upper Limit = 2.0 (V))

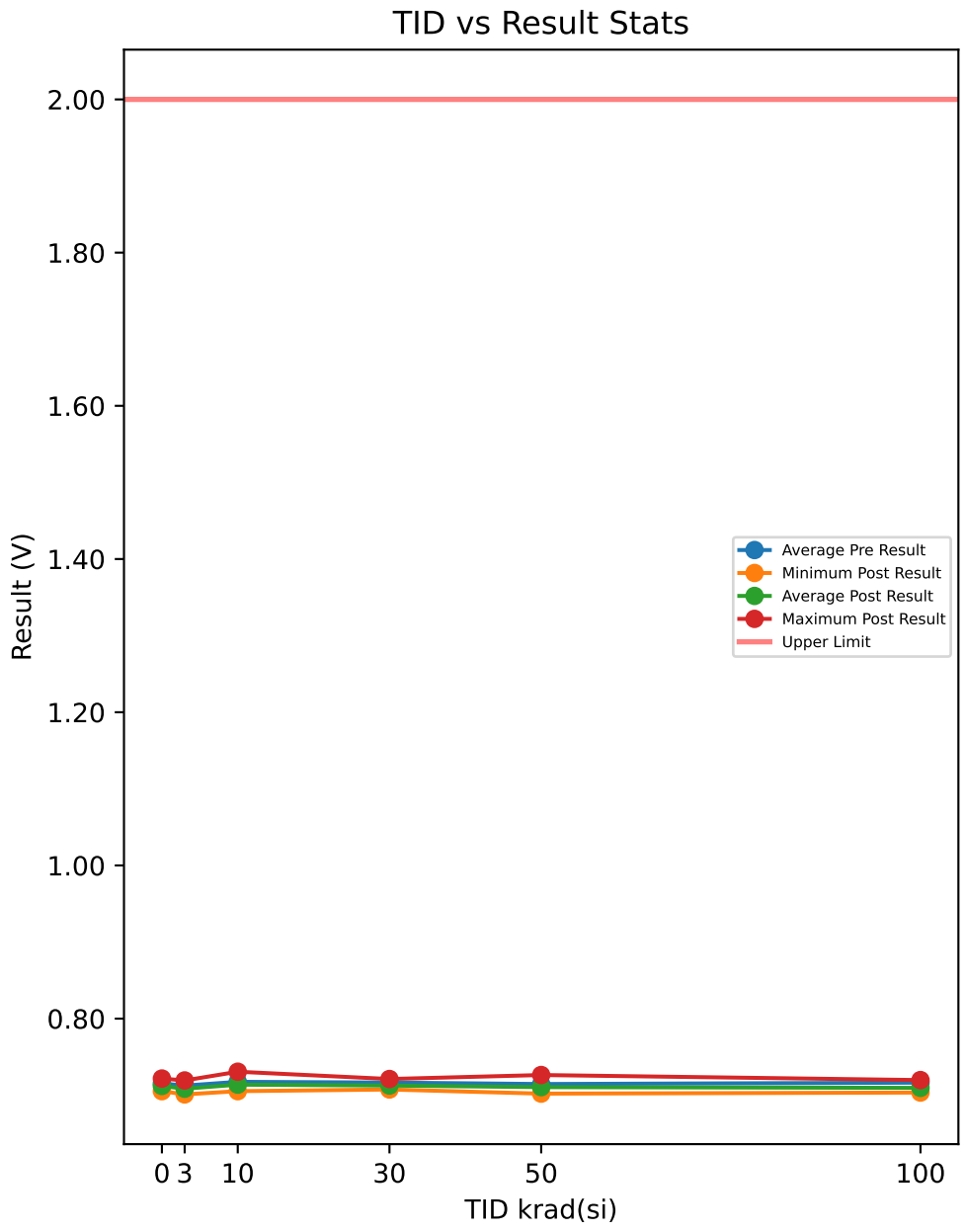
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7619	0.7564	-0.0055
2	3	Biased	0.7646	0.7597	-0.0049
3	3	Biased	0.7524	0.7473	-0.0051
4	3	Biased	0.7524	0.7476	-0.0048
5	3	Biased	0.7562	0.7514	-0.0048
6	3	Unbiased	0.7573	0.753	-0.0043
7	3	Unbiased	0.753	0.7488	-0.0042
8	3	Unbiased	0.7495	0.7452	-0.0043
9	3	Unbiased	0.7494	0.7451	-0.0043
10	3	Unbiased	0.7518	0.7477	-0.0041
11	10	Biased	0.7498	0.7451	-0.0047
12	10	Biased	0.7714	0.7666	-0.0048
13	10	Biased	0.755	0.7504	-0.0046
14	10	Biased	0.7532	0.7486	-0.0046
15	10	Biased	0.7524	0.7479	-0.0045
16	10	Unbiased	0.7521	0.7481	-0.004
17	10	Unbiased	0.7562	0.7521	-0.0041
18	10	Unbiased	0.7676	0.7631	-0.0045
19	10	Unbiased	0.7519	0.7477	-0.0042
20	10	Unbiased	0.7724	0.7683	-0.0041
21	30	Biased	0.7557	0.7507	-0.005
22	30	Biased	0.7581	0.7534	-0.0047
23	30	Biased	0.7646	0.7598	-0.0048
24	30	Biased	0.7498	0.7456	-0.0042
25	30	Biased	0.7533	0.749	-0.0043
26	30	Unbiased	0.7629	0.7584	-0.0045
27	30	Unbiased	0.7513	0.7467	-0.0046
28	30	Unbiased	0.7652	0.7605	-0.0047
29	30	Unbiased	0.7575	0.7528	-0.0047
30	30	Unbiased	0.7554	0.7509	-0.0045
31	50	Biased	0.7539	0.7492	-0.0047
32	50	Biased	0.7586	0.7541	-0.0045
33	50	Biased	0.7506	0.7459	-0.0047
34	50	Biased	0.7475	0.7432	-0.0043
35	50	Biased	0.7726	0.768	-0.0046
36	50	Unbiased	0.7684	0.7634	-0.005
37	50	Unbiased	0.751	0.7461	-0.0049
38	50	Unbiased	0.7495	0.7447	-0.0048
39	50	Unbiased	0.7569	0.7518	-0.0051
40	50	Unbiased	0.7524	0.7473	-0.0051
41	100	Biased	0.7692	0.7624	-0.0068
42	100	Biased	0.7497	0.7419	-0.0078
43	100	Biased	0.765	0.7568	-0.0082
44	100	Biased	0.7564	0.7485	-0.0079
45	100	Biased	0.7575	0.7497	-0.0078
46	100	Unbiased	0.7568	0.7491	-0.0077
47	100	Unbiased	0.7601	0.7527	-0.0074
48	100	Unbiased	0.7504	0.7432	-0.0072
49	100	Unbiased	0.7554	0.7478	-0.0076
50	100	Unbiased	0.7559	0.7482	-0.0077
51	0	Correlation	0.7533	0.7495	-0.0038
53	0	Correlation	0.7592	0.7558	-0.0034
54	0	Correlation	0.7541	0.7505	-0.0036
55	0	Correlation	0.7633	0.7595	-0.0038
56	0	Correlation	0.7542	0.75	-0.0042



Test Statistics (V)

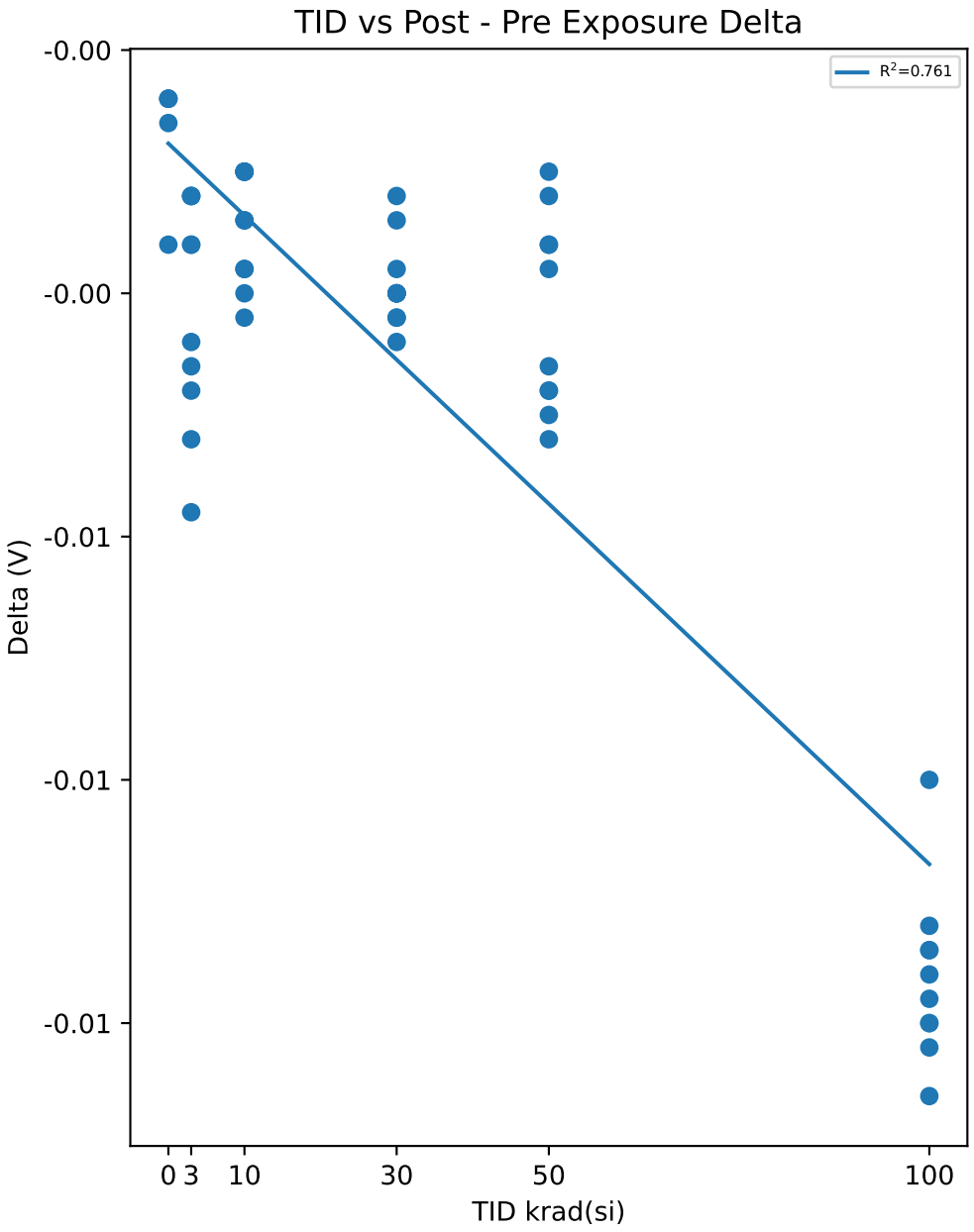
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7533	0.75682	0.7633	0.0043101	0.7495	0.75306	0.7595	0.0044037	-0.0042	-0.00376	-0.0034	0.00029665
3	0.7494	0.75485	0.7646	0.0051169	0.7451	0.75022	0.7597	0.0048575	-0.0055	-0.00463	-0.0041	0.00045959
10	0.7498	0.7582	0.7724	0.0087215	0.7451	0.75379	0.7683	0.0087068	-0.0048	-0.00441	-0.004	0.0002846
30	0.7498	0.75738	0.7652	0.0053965	0.7456	0.75278	0.7605	0.0052864	-0.005	-0.0046	-0.0042	0.0002357
50	0.7475	0.75614	0.7726	0.0083181	0.7432	0.75137	0.768	0.008294	-0.0051	-0.00477	-0.0043	0.00026268
100	0.7497	0.75764	0.7692	0.0059593	0.7419	0.75003	0.7624	0.0060586	-0.0082	-0.00761	-0.0068	0.00039285

Device Test: 6.98; VOL_WDO_10MA_OD



Test Results (Upper Limit = 2.0 (V))

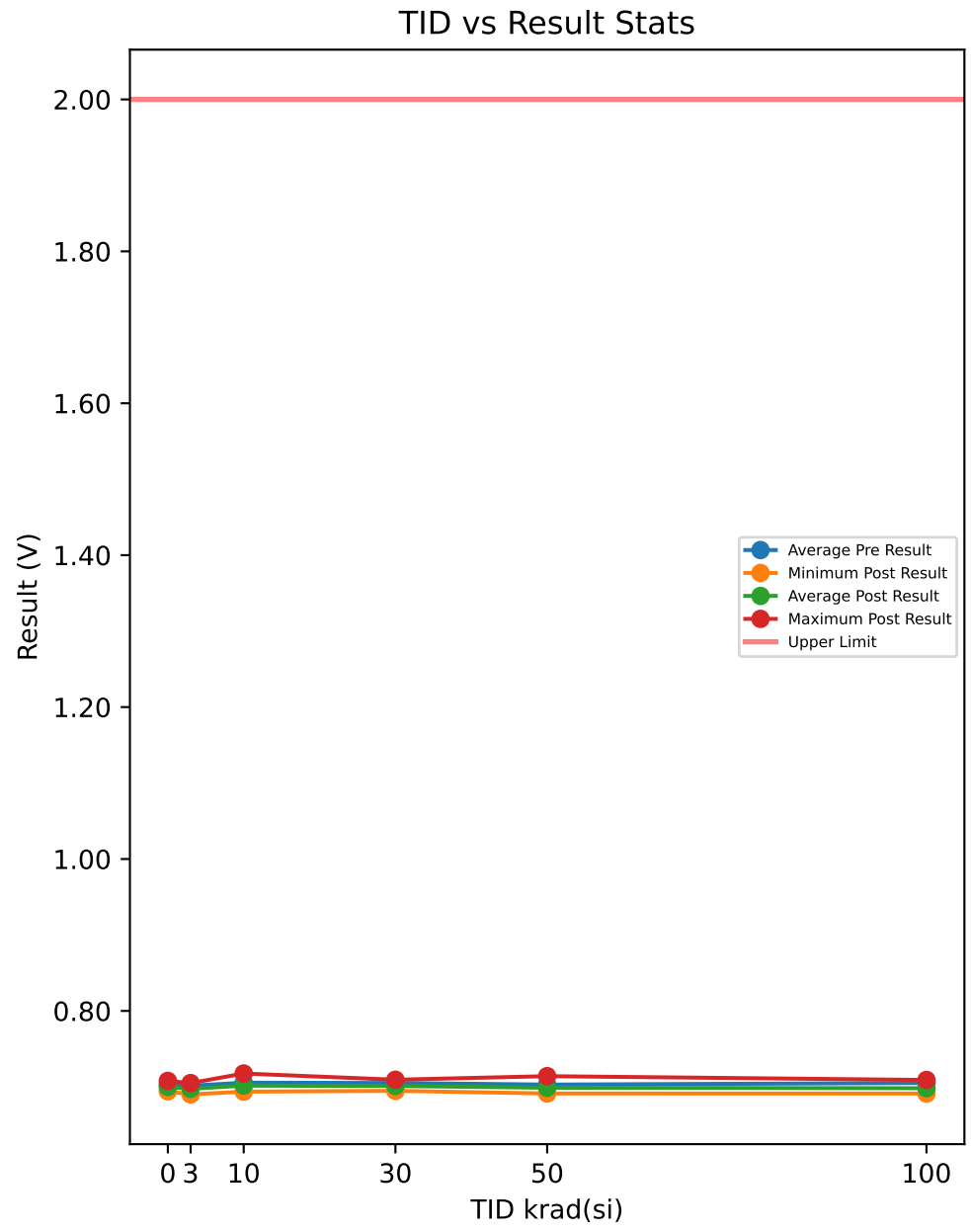
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
1	3	Biased	0.7183	0.7134	-0.0049
2	3	Biased	0.7236	0.7193	-0.0043
3	3	Biased	0.7084	0.7038	-0.0046
4	3	Biased	0.7099	0.7057	-0.0042
5	3	Biased	0.7153	0.7109	-0.0044
6	3	Unbiased	0.7129	0.7091	-0.0038
7	3	Unbiased	0.7129	0.7093	-0.0036
8	3	Unbiased	0.7067	0.7029	-0.0038
9	3	Unbiased	0.7047	0.7011	-0.0036
10	3	Unbiased	0.7131	0.7095	-0.0036
11	10	Biased	0.7094	0.7053	-0.0041
12	10	Biased	0.7326	0.7287	-0.0039
13	10	Biased	0.7137	0.7097	-0.004
14	10	Biased	0.7114	0.7075	-0.0039
15	10	Biased	0.7113	0.7076	-0.0037
16	10	Unbiased	0.7116	0.7081	-0.0035
17	10	Unbiased	0.7144	0.7109	-0.0035
18	10	Unbiased	0.7278	0.7241	-0.0037
19	10	Unbiased	0.709	0.7055	-0.0035
20	10	Unbiased	0.7342	0.7307	-0.0035
21	30	Biased	0.7158	0.7117	-0.0041
22	30	Biased	0.7162	0.7122	-0.004
23	30	Biased	0.7222	0.7182	-0.004
24	30	Biased	0.7122	0.7085	-0.0037
25	30	Biased	0.7112	0.7076	-0.0036
26	30	Unbiased	0.7248	0.7208	-0.004
27	30	Unbiased	0.7117	0.7075	-0.0042
28	30	Unbiased	0.7253	0.7212	-0.0041
29	30	Unbiased	0.7149	0.7109	-0.004
30	30	Unbiased	0.7114	0.7075	-0.0039
31	50	Biased	0.7102	0.7063	-0.0039
32	50	Biased	0.7135	0.7099	-0.0036
33	50	Biased	0.7086	0.7048	-0.0038
34	50	Biased	0.7056	0.7021	-0.0035
35	50	Biased	0.7302	0.7264	-0.0038
36	50	Unbiased	0.7304	0.7261	-0.0043
37	50	Unbiased	0.7084	0.7039	-0.0045
38	50	Unbiased	0.7089	0.7045	-0.0044
39	50	Unbiased	0.7171	0.7125	-0.0046
40	50	Unbiased	0.7136	0.7092	-0.0044
41	100	Biased	0.7235	0.7175	-0.006
42	100	Biased	0.711	0.7042	-0.0068
43	100	Biased	0.7271	0.7198	-0.0073
44	100	Biased	0.7115	0.7044	-0.0071
45	100	Biased	0.716	0.7091	-0.0069
46	100	Unbiased	0.7179	0.7109	-0.007
47	100	Unbiased	0.7216	0.7149	-0.0067
48	100	Unbiased	0.7101	0.7035	-0.0066
49	100	Unbiased	0.7127	0.706	-0.0067
50	100	Unbiased	0.7129	0.7059	-0.007
51	0	Correlation	0.7086	0.7053	-0.0033
53	0	Correlation	0.7191	0.7159	-0.0032
54	0	Correlation	0.7131	0.7099	-0.0032
55	0	Correlation	0.725	0.7218	-0.0032
56	0	Correlation	0.7114	0.7076	-0.0038

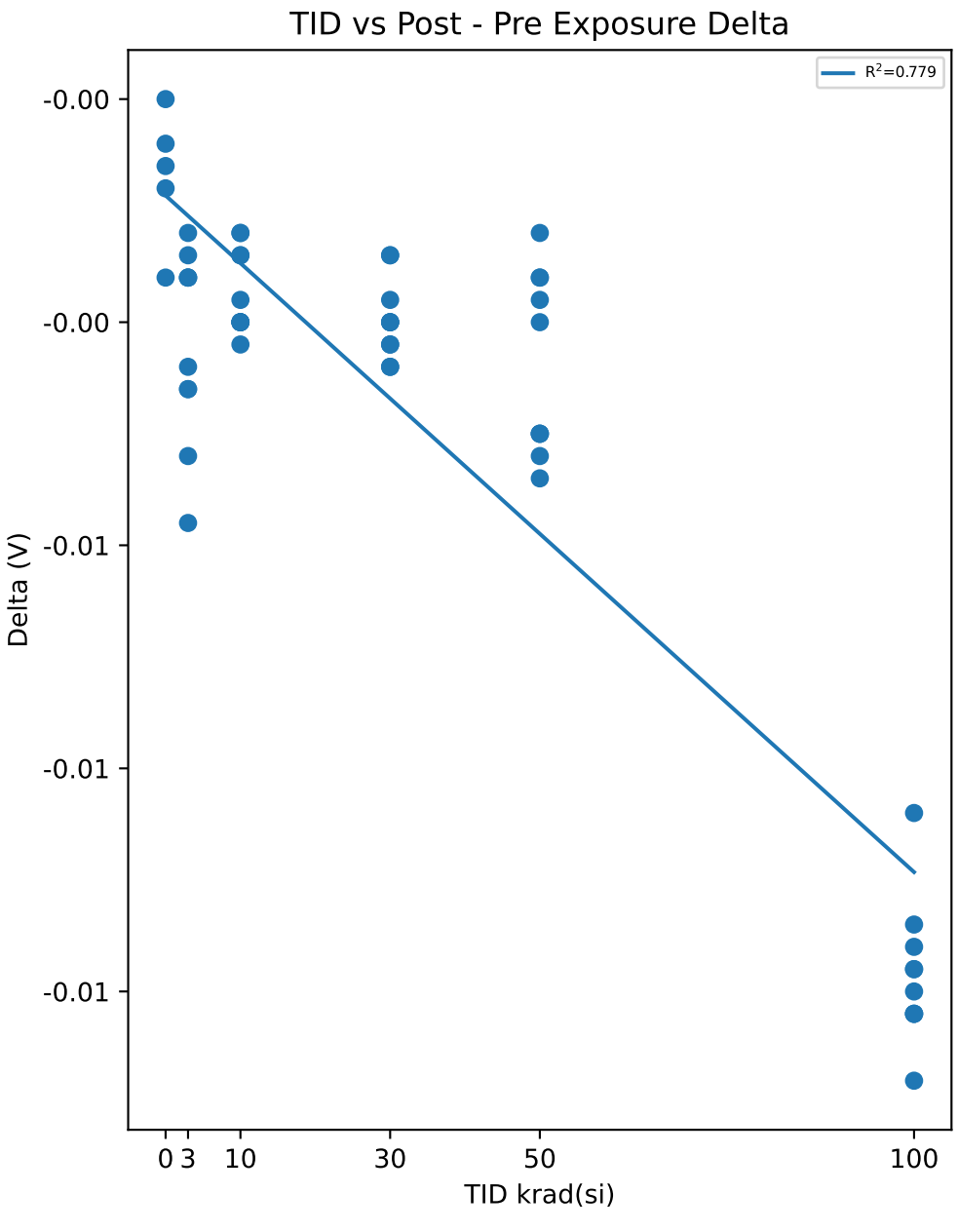


Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7086	0.71544	0.725	0.0065835	0.7053	0.7121	0.7218	0.0067056	-0.0038	-0.00334	-0.0032	0.00026077
3	0.7047	0.71258	0.7236	0.0056111	0.7011	0.7085	0.7193	0.0054207	-0.0049	-0.00408	-0.0036	0.00046619
10	0.709	0.71754	0.7342	0.0099182	0.7053	0.71381	0.7307	0.0099481	-0.0041	-0.00373	-0.0035	0.00023118
30	0.7112	0.71657	0.7253	0.0055532	0.7075	0.71261	0.7212	0.0054798	-0.0042	-0.00396	-0.0036	0.00018379
50	0.7056	0.71465	0.7304	0.008874	0.7021	0.71057	0.7264	0.0088344	-0.0046	-0.00408	-0.0035	0.00040222
100	0.7101	0.71643	0.7271	0.0058986	0.7035	0.70962	0.7198	0.0059305	-0.0073	-0.00681	-0.006	0.00035418

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	0.7082	0.7033	-0.0049
2	3	Biased	0.7093	0.705	-0.0043
3	3	Biased	0.6978	0.6932	-0.0046
4	3	Biased	0.6997	0.6954	-0.0043
5	3	Biased	0.7036	0.6994	-0.0042
6	3	Unbiased	0.703	0.6993	-0.0037
7	3	Unbiased	0.7043	0.7005	-0.0038
8	3	Unbiased	0.6939	0.6901	-0.0038
9	3	Unbiased	0.6951	0.6913	-0.0038
10	3	Unbiased	0.7004	0.6968	-0.0036
11	10	Biased	0.6977	0.6937	-0.004
12	10	Biased	0.7216	0.7176	-0.004
13	10	Biased	0.7019	0.6978	-0.0041
14	10	Biased	0.7	0.696	-0.004
15	10	Biased	0.6981	0.6942	-0.0039
16	10	Unbiased	0.6981	0.6944	-0.0037
17	10	Unbiased	0.7026	0.6989	-0.0037
18	10	Unbiased	0.7159	0.7119	-0.004
19	10	Unbiased	0.6984	0.6948	-0.0036
20	10	Unbiased	0.7207	0.7171	-0.0036
21	30	Biased	0.7043	0.7001	-0.0042
22	30	Biased	0.7053	0.7013	-0.004
23	30	Biased	0.7085	0.7045	-0.004
24	30	Biased	0.7006	0.6969	-0.0037
25	30	Biased	0.7013	0.6976	-0.0037
26	30	Unbiased	0.7129	0.709	-0.0039
27	30	Unbiased	0.699	0.6948	-0.0042
28	30	Unbiased	0.7135	0.7094	-0.0041
29	30	Unbiased	0.7042	0.7001	-0.0041
30	30	Unbiased	0.7019	0.6979	-0.004
31	50	Biased	0.7008	0.6968	-0.004
32	50	Biased	0.7032	0.6994	-0.0038
33	50	Biased	0.6997	0.6959	-0.0038
34	50	Biased	0.6949	0.6913	-0.0036
35	50	Biased	0.718	0.7141	-0.0039
36	50	Unbiased	0.7156	0.7111	-0.0045
37	50	Unbiased	0.6968	0.6923	-0.0045
38	50	Unbiased	0.6963	0.6918	-0.0045
39	50	Unbiased	0.7036	0.6989	-0.0047
40	50	Unbiased	0.7011	0.6965	-0.0046
41	100	Biased	0.7129	0.7067	-0.0062
42	100	Biased	0.6983	0.6913	-0.007
43	100	Biased	0.7165	0.7091	-0.0074
44	100	Biased	0.7008	0.6937	-0.0071
45	100	Biased	0.705	0.6981	-0.0069
46	100	Unbiased	0.7053	0.6982	-0.0071
47	100	Unbiased	0.7123	0.7055	-0.0068
48	100	Unbiased	0.6979	0.6912	-0.0067
49	100	Unbiased	0.7012	0.6943	-0.0069
50	100	Unbiased	0.7012	0.6941	-0.0071
51	0	Correlation	0.6976	0.6942	-0.0034
53	0	Correlation	0.7041	0.7011	-0.003
54	0	Correlation	0.7021	0.6989	-0.0032
55	0	Correlation	0.7112	0.7079	-0.0033
56	0	Correlation	0.7013	0.6975	-0.0038

Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6976	0.70326	0.7112	0.0050242	0.6942	0.69992	0.7079	0.0051159	-0.0038	-0.00334	-0.003	0.00029665
3	0.6939	0.70153	0.7093	0.0051325	0.6901	0.69743	0.705	0.0049697	-0.0049	-0.0041	-0.0036	0.00042947
10	0.6977	0.7055	0.7216	0.0098364	0.6937	0.70164	0.7176	0.0098357	-0.0041	-0.00386	-0.0036	0.00018974
30	0.699	0.70515	0.7135	0.0050174	0.6948	0.70116	0.7094	0.0049965	-0.0042	-0.00399	-0.0037	0.0001792
50	0.6949	0.703	0.718	0.0078347	0.6913	0.69881	0.7141	0.0078241	-0.0047	-0.00419	-0.0036	0.00040675
100	0.6979	0.70514	0.7165	0.00658	0.6912	0.69822	0.7091	0.0066101	-0.0074	-0.00692	-0.0062	0.00031903

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