



ABSTRACT

This report discusses the total ionizing dose (TID) parametric results for TPS7H1121-SP, Texas Instruments, 2.25V to 14V input, radiation-hardness-assured 2A low-dropout (LDO) regulator. The study was done to determine the TID effects under high dose rate (HDR) 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 TPS7H1121-SP is a radiation-hardened low dropout linear regulator (LDO) which operates over a wide range of input voltages optimized for powering devices in a space environment. The device is capable of sourcing up to 2A over a 2.25V to 14V input. The device offers excellent stability and features a programmable current limit with a wide adjustment range. To support the complex power requirements of FPGAs, DSPs, and microcontrollers, the TPS7H1121-SP provides enable on and off functionality, programmable soft start, and a power good open-drain output.

1.2 Device Details

Table 1-1 lists the device information used in the TID HDR characterization.

Table 1-1. Device and Exposure Details

TID HDR Details: Up to 100krad(Si)	
TI Device Number	TPS7H1121-SP (5962R2320301VXC)
Package	22 PIN HFT
Technology	Linear BiCMOS 7 (LBC7)
Die Lot Number	3300911
A/T Lot Number / Date Code	4002887MTT / 2424A
Quantity Tested	HDR: 50 Devices <ul style="list-style-type: none"> • Five biased and five unbiased units at 3krad (Si) levels • Five biased and five unbiased units at 10krad (Si) levels • Five biased and five unbiased units at 30krad (Si) levels • Five biased and five unbiased units at 50krad (Si) levels • Five biased and five unbiased units at 100krad (Si) levels • Seven control/correlation units with no exposure
HDR Radiation Facility	DCLAB - Texas Instruments, Dallas, TX
HDR Dose Level	100krad (Si)
HDR Dose Rate	174.936 rad (Si)/ s ionizing radiation dose rate
HDR Radiation Source	Gammacell 220 Excel (GC-220E) Co-60
Irradiation Temperature	Ambient, room temperature

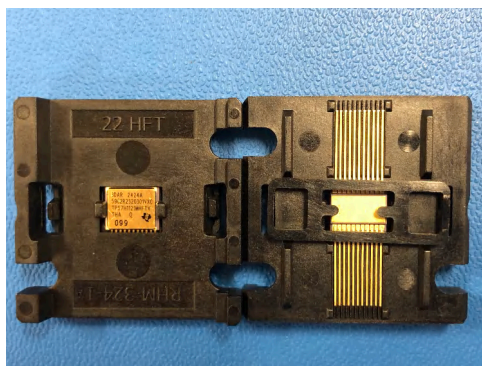


Figure 1-1. Device Used in Exposure

2 Total Dose Test Setup

2.1 Test Overview

The TPS7H1121-SP was tested according to MIL-STD-883, Test Method 1019.9. For this testing, Condition A was used. For Condition A, the product was irradiated up to target radiation level and then put through full electrical parametric testing on the production Automated Test Equipment (ATE). All devices were fully functional, and passed all electrical parametric tests with the readings within the data sheet electrical specification limits.

2.2 Test Description and Facilities

The TPS7H1121-SP HDR exposure was performed on biased and unbiased devices in a Co-60 gamma cell at the Dallas CLAB (DCLAB) at Texas Instruments in Dallas, Texas. The unattenuated dose rate of this cell is 174.936 rads (Si)/s. After 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 data sheet electrical limits based on preliminary qualification and characterization data.

2.3 Test Setup Details

The devices under HDR exposure were tested in both biased and unbiased conditions shown in [Test Configuration and Conditions](#).

2.3.1 Unbiased

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

2.3.2 Biased

The TPS7H1121-SP biased exposure was performed with a 14V bias on the Vin pins and 2.58V bias on the ENABLE pin. [Figure 2-1](#) shows the biased diagram that was used for HDR exposure.

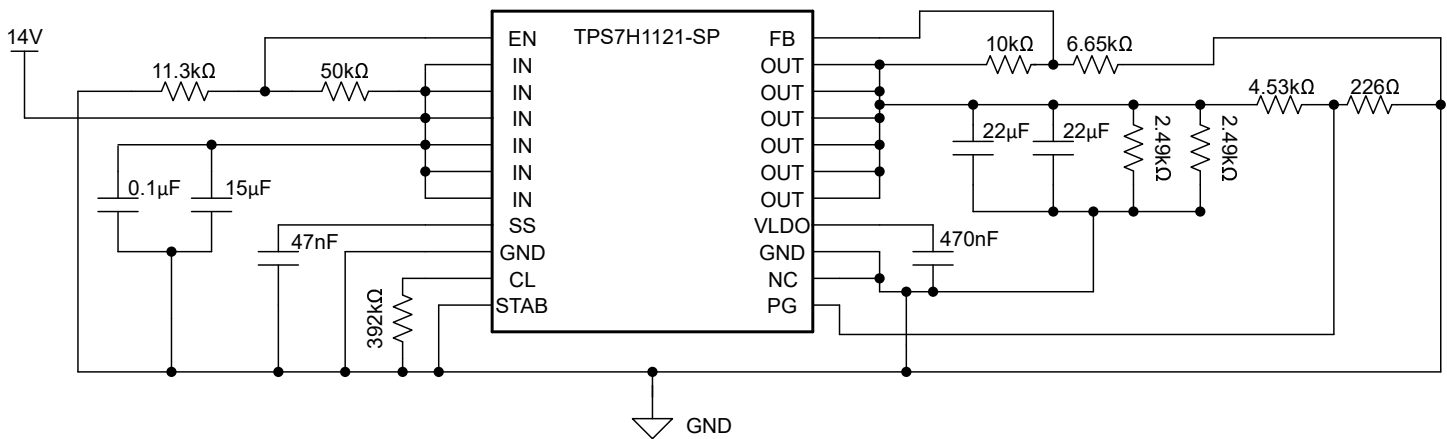


Figure 2-1. Bias Diagram Used in TID Exposure

Table 2-1. Biased Source Configuration

VIN (V)	VIN (mA / device)
14	23

2.4 Test Configuration and Conditions

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

Table 2-2. HDR Biased Device Information

Total Samples: 25				
Exposure Levels				
3 krad(Si)	10 krad(Si)	30 krad(Si)	50 krad(Si)	100 krad(Si)
175, 176, 178, 179, 180	170, 171, 172, 173, 174	164, 165, 166, 168, 169	127, 128, 129, 130, 132	121, 123, 124, 125, 126

Table 2-3. HDR Unbiased Device Information

Total Samples: 25				
Exposure Levels				
3 krad(Si)	10 krad(Si)	30 krad(Si)	50 krad(Si)	100 krad(Si)
54, 55, 57, 58, 59	82, 83, 84, 85, 87	94, 95, 97, 98, 99	105, 107, 108, 109, 110	149, 150, 151, 152, 153

3 TID Characterization Test Results

3.1 TID Characterization Summary Results

The parametric data for the TPS7H1121-SP passes up to 100krad(Si) HDR TID irradiation. The drifts of the electrical parameters through HDR were within the data sheet limits.

Overall, the TPS7H1121-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 [Section 3.2](#) for parameters and associated tests.

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

3.2 TPS7H1121-SP Data Sheet Electrical Parameters

Over $2.25V \leq V_{IN} \leq 14V$, $V_{OUT(set)} \leq V_{IN} - 0.5V$, $I_{OUT} = 10mA$, $C_{OUT} = 47\mu F$, typical values are at $T_A = 25^\circ C$, unless otherwise noted.

Parameter	Test Conditions	MIN	TYP	MAX	UNIT	Test Number		
POWER SUPPLIES AND CURRENTS								
V_{DO}	Dropout voltage $V_{DO} = V_{IN(forced)} - V_{OUT(set)}$	$V_{OUT(set)} = 2.25V$, $V_{OUT(measured)} = 98\% \times V_{OUT(NOM)}$	$I_{OUT} = 100mA$	28	60	mV	17.3	
			$I_{OUT} = 250mA$	70	141		17.6	
			$I_{OUT} = 500mA$	150	280		17.9	
			$I_{OUT} = 1A$	300	570		17.12	
		$V_{OUT(set)} = 2.5V$, $V_{OUT(measured)} = 98\% \times V_{OUT(NOM)}$	$I_{OUT} = 1.5A$	525	750	mV	17.15	
			$I_{OUT} = 2A$	570	900		17.18	
		$3 \leq V_{OUT(set)} \leq 13.3V$, $V_{OUT(measured)} = 98\% \times V_{OUT(NOM)}$	$I_{OUT} = 100mA$	20	50	mV	17.21, 17.24	
			$I_{OUT} = 250mA$	70	100		17.27, 17.30	
			$I_{OUT} = 500mA$	125	180		17.33, 17.36	
			$I_{OUT} = 1A$	300	340		17.39, 17.42	
$I_{OUT} = 1.5A$			325	490	17.45, 17.48			
$I_{OUT} = 2A$			500	700	17.51, 17.54			
I_{PCL}	Programmed current limit	$V_{IN} = 3.3V$, $V_{OUT(short)} = 0.1V$	$RCL = 442k\Omega$	0.19	0.32	A	16.1	
			$RCL = 174k\Omega$	0.485	0.75		1.01	16.2
			$RCL = 82.5k\Omega$	1.16	1.55		1.94	16.3
			$RCL = 41.2k\Omega$	2.4	3		3.6	16.4
I_Q	Quiescent current	$V_{EN} = 7V$, $I_{OUT} = 0A$		8.75	15	mA	11.7, 11.9, 11.12	
I_{GND}	Ground current	$V_{EN} = 7V$	$I_{OUT} = 1A$	10	18	mA	11.13, 11.14	
			$I_{OUT} = 2A$	13	20	mA	11.15, 11.16, 11.17	
V_{LDO}	Internal linear regulator output voltage	$V_{IN} = 2.25V$	2.05	2.2	2.25	V	15.7	
		$3V \leq V_{IN} \leq 14V$	2.3	2.55	2.78		15.64	

Parameter		Test Conditions	MIN	TYP	MAX	UNIT	Test Number
I_{SHDN}	Shutdown current	$V_{EN} = 0V, I_{OUT} = 0A, V_{OUT} = 0V$		380	775	μA	11.1, 11.2, 11.3, 11.4, 11.5, 11.6
I_{FB}	Feedback leakage current	$V_{FB} = 0.7V$		1	15	nA	15.80
ACCURACY							
V_{ACC}	Output voltage accuracy	$10mA \leq I_{OUT} \leq 2A, 0.6V \leq V_{OUT} \leq V_{IN} - V_{DO}, P_D \leq 3W$	$3V \leq V_{IN} \leq 14V$	-1.5%	1.5%	V	15.44, 15.57, 15.62, 15.68, 15.73, 15.78
			$3V \leq V_{IN} \leq 14V, T_A = 25^\circ C$	-1.1%	1.1%		
			$2.25V \leq V_{IN} \leq 3V$	-1.8%	1.8%		
V_{FB}	Feedback voltage	$3V \leq V_{IN} \leq 14V$	$T_A = 25^\circ C$	0.588	0.596	0.606	V
				0.591	0.596	0.603	
				0.586	0.596	0.608	
$\frac{\Delta V_{OUT}}{\Delta V_{IN}}$	Line regulation	$3V \leq V_{IN} \leq 14V$		100	650	$\mu V/V$	18.5
		$2.25V \leq V_{IN} \leq 3V$		285	1800		18.4
$\frac{\Delta V_{OUT}}{\Delta I_{OUT}}$	Load regulation	$10mA \leq I_{OUT} \leq 2A, V_{IN} = 4.5V, V_{OUT} = 3.3V$		4	16	mV/A	19.5
ENABLE							
$V_{EN(rising)}$	Enable rising threshold (turn-on)		0.565	0.605	0.625	V	13.1, 13.4, 13.7, 13.10, 13.13, 13.16, 13.19
$V_{EN(falling)}$	Enable falling threshold (turn-off)		0.465	0.5	0.52	V	13.2, 13.5, 13.8, 13.11, 13.14, 13.17, 13.20

Parameter		Test Conditions		MIN	TYP	MAX	UNIT	Test Number
$t_{EN(\text{delay})}$	EN propagation delay	EN high to $V_{OUT} = 10\text{mV}$			50	150	μs	13.24, 13.25, 13.26, 13.27, 13.28, 13.29, 13.30, 13.31, 13.32, 13.33
$I_{EN(\text{LKG})}$	Enable leakage current	$V_{EN} = 7\text{V}$			1	30	nA	13.22, 13.23
POWER GOOD								
V_{PG_RISE}	Power good rising as percent of V_{OUT}			93%	95%	97%		14.1, 14.4, 14.7, 14.10, 14.13, 14.16
V_{PG_FALL}	Power good falling as percent of V_{OUT}			88.5%	91.5%	94%		14.2, 14.5, 14.8, 14.11, 14.14, 14.17
$V_{PG(\text{OL})}$	Power good output low	$I_{PG(\text{SINK})} = 2\text{mA}$			90	190	mV	14.19, 14.20
$V_{IN(\text{MIN_PG})}$	Minimum V_{IN} for valid PG ($V_{PG} < 0.5\text{V}$)	$I_{PG(\text{SINK})} = 0.5\text{mA}$			0.6	0.8	V	14.21
$I_{PG(\text{LKG})}$	Power good leakage	$V_{PG} = 7\text{V}, V_{FB} = 0.7\text{V}$			0.05	2	μA	14.22, 14.23
SOFT START								
I_{SS}	Soft-start current			1.4	2	2.7	μA	20.1, 20.2
t_{SS}	Soft-start time	$V_{IN} = 5\text{V}, V_{OUT} = 3.3\text{V}$, measured from $V_{OUT} = 10\text{mV}$ to PG assert	$C_{SS} = 1\text{nF}$	0.22	0.35	0.48	ms	20.3
			$C_{SS} = 33\text{nF}$	5.5	10	14.5		20.4
STABILITY								
GM	Gain Margin	$V_{IN} = 5\text{V}, V_{OUT} = 3.3\text{V}, I_{OUT} = 1\text{A}, C_{OUT} = 47\mu\text{F}, T_A = 25^\circ\text{C}$			24		dB	
PM	Phase Margin	$V_{IN} = 5\text{V}, V_{OUT} = 3.3\text{V}, I_{OUT} = 1\text{A}, C_{OUT} = 47\mu\text{F}, T_A = 25^\circ\text{C}$			60°			
NOISE AND PSRR								
PSRR	Power-supply rejection ratio	$V_{IN} = 5\text{V}, V_{OUT} = 3.3\text{V}, I_{OUT} = 1\text{A}, C_{SS} = 5.6\text{nF}$	$f_{\text{ripple}} = 100\text{Hz}$		68		dB	
			$f_{\text{ripple}} = 1\text{kHz}$		72			
			$f_{\text{ripple}} = 10\text{kHz}$		51			
			$f_{\text{ripple}} = 100\text{kHz}$		40			
			$f_{\text{ripple}} = 1\text{MHz}$		34			
V_N	Output noise voltage (Bandwidth from 10Hz to 100kHz)	$V_{IN} = 5\text{V}, V_{OUT} = 3.3\text{V}, I_{OUT} = 1\text{A}, C_{SS} = 5.6\text{nF}$			35		μV_{RMS}	

4 Applicable and Reference Documents

4.1 Applicable Documents

- Texas Instruments, [TPS7H1121-SP 2.25 V to 14-V Input, 2-A, Radiation Hardened LDO Regulator](#), data sheet.
- Texas Instruments, [TPS7H1121EVM-CVAL Evaluation Module \(EVM\)](#), EVM user's guide.

4.2 Reference Documents

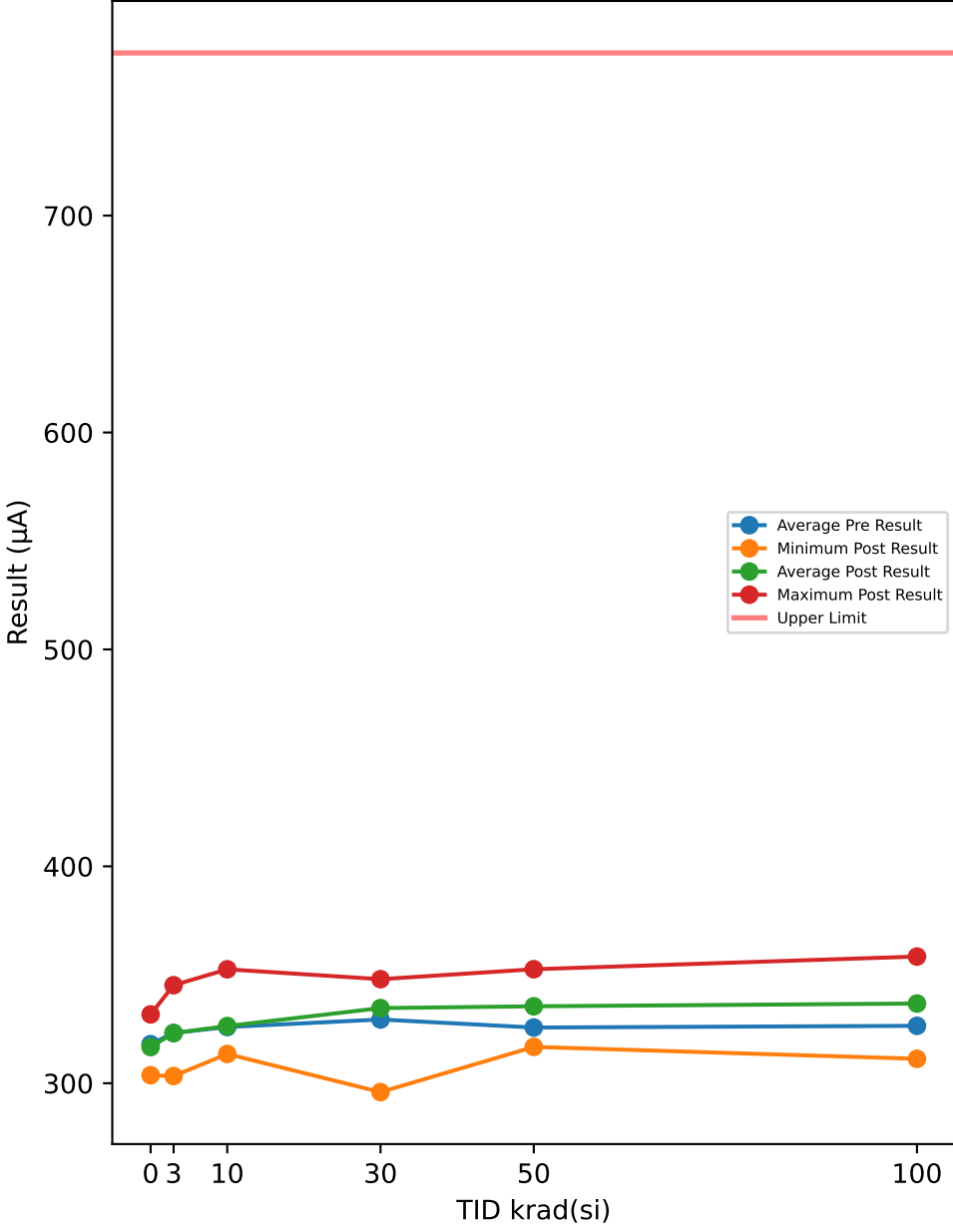
Texas Instruments total ionizing dose radiation (total dose) test procedure follows the standards put forth in [MIL-STD-883 TM 1019](#). The document can be found at the DLA website.

A Appendix: HDR TID Report Data

This appendix contains the HDR TID report data.

Device Test: 11.1 I_SHDN(ISHDN|SUPPLY/IN/2.25//0/0//@I_SHDN)

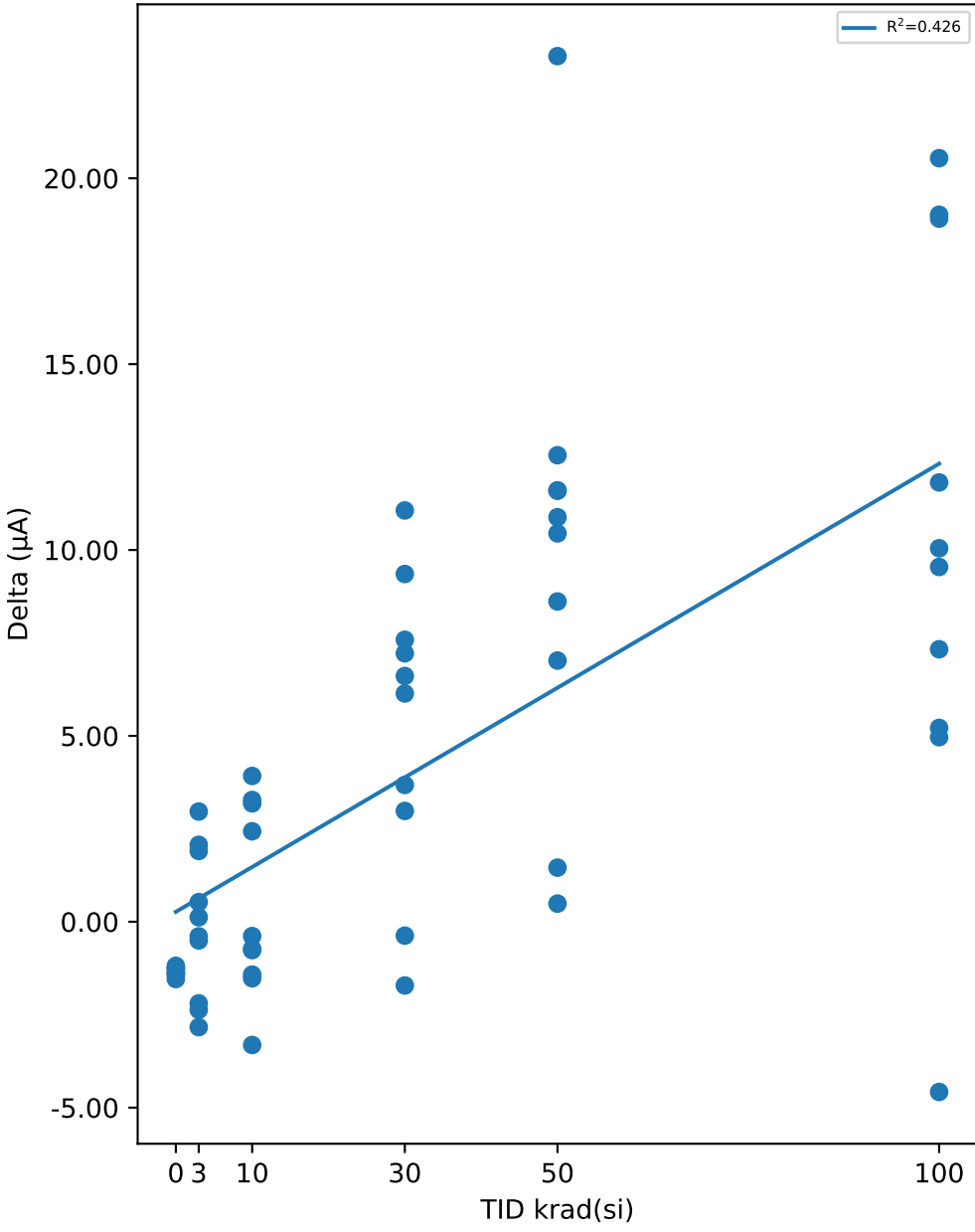
TID vs Result Stats



Test Results (Upper Limit = 775.0 (µA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	336.37	338.43	2.0686
55	3	HDR unbiased	316.52	317.05	0.5278
57	3	HDR unbiased	322.59	325.55	2.9642
58	3	HDR unbiased	343.28	345.18	1.9036
59	3	HDR unbiased	323.44	323.56	0.1213
82	10	HDR unbiased	324.83	328.75	3.9219
83	10	HDR unbiased	332.27	335.54	3.2751
84	10	HDR unbiased	317.68	317.29	-0.3856
85	10	HDR unbiased	326.45	329.63	3.1837
87	10	HDR unbiased	325.58	324.16	-1.4214
94	30	HDR unbiased	297.63	295.92	-1.7146
95	30	HDR unbiased	336.47	343.69	7.2197
97	30	HDR unbiased	332.72	338.86	6.1404
98	30	HDR unbiased	326.16	329.14	2.9806
99	30	HDR unbiased	339.51	346.12	6.6103
105	50	HDR unbiased	325.67	336.55	10.882
107	50	HDR unbiased	331.32	341.77	10.447
108	50	HDR unbiased	310.48	322.08	11.604
109	50	HDR unbiased	334.18	341.21	7.0251
110	50	HDR unbiased	316.27	316.76	0.4877
121	100	HDR biased	335.32	344.87	9.5429
123	100	HDR biased	328.32	335.65	7.3297
124	100	HDR biased	337.94	347.99	10.047
125	100	HDR biased	323.86	328.82	4.9647
126	100	HDR biased	320.39	339.41	19.018
127	50	HDR biased	332.96	334.41	1.4551
128	50	HDR biased	319.2	342.49	23.285
129	50	HDR biased	340.01	352.56	12.55
130	50	HDR biased	331.25	339.87	8.6144
132	50	HDR biased	315.43	327.03	11.593
149	100	HDR unbiased	326.99	332.2	5.2142
150	100	HDR unbiased	315.84	311.26	-4.5783
151	100	HDR unbiased	337.87	358.41	20.54
152	100	HDR unbiased	325.31	344.22	18.915
153	100	HDR unbiased	312.8	324.62	11.816
164	30	HDR biased	333.6	342.95	9.3545
165	30	HDR biased	329.93	337.51	7.5855
166	30	HDR biased	336.91	347.97	11.064
168	30	HDR biased	335.32	334.95	-0.3735
169	30	HDR biased	325.67	329.35	3.6803
170	10	HDR biased	319.19	315.87	-3.3151
171	10	HDR biased	311.07	313.51	2.433
172	10	HDR biased	354.05	352.53	-1.5202
173	10	HDR biased	326.47	325.74	-0.7265
174	10	HDR biased	321.51	320.75	-0.7637
175	3	HDR biased	313.51	313.01	-0.5029
176	3	HDR biased	317.38	314.54	-2.8348
178	3	HDR biased	314.61	312.41	-2.1961
179	3	HDR biased	305.69	303.32	-2.3696
180	3	HDR biased	338.43	338.03	-0.3932
187	0	correlation	313.91	312.49	-1.4199
188	0	correlation	327.18	325.64	-1.5411
189	0	correlation	313.86	312.52	-1.343
190	0	correlation	305.11	303.71	-1.4021
191	0	correlation	322.59	321.34	-1.2569
192	0	correlation	310.58	309.32	-1.2616
193	0	correlation	332.93	331.74	-1.1868

TID vs Post - Pre Exposure Delta

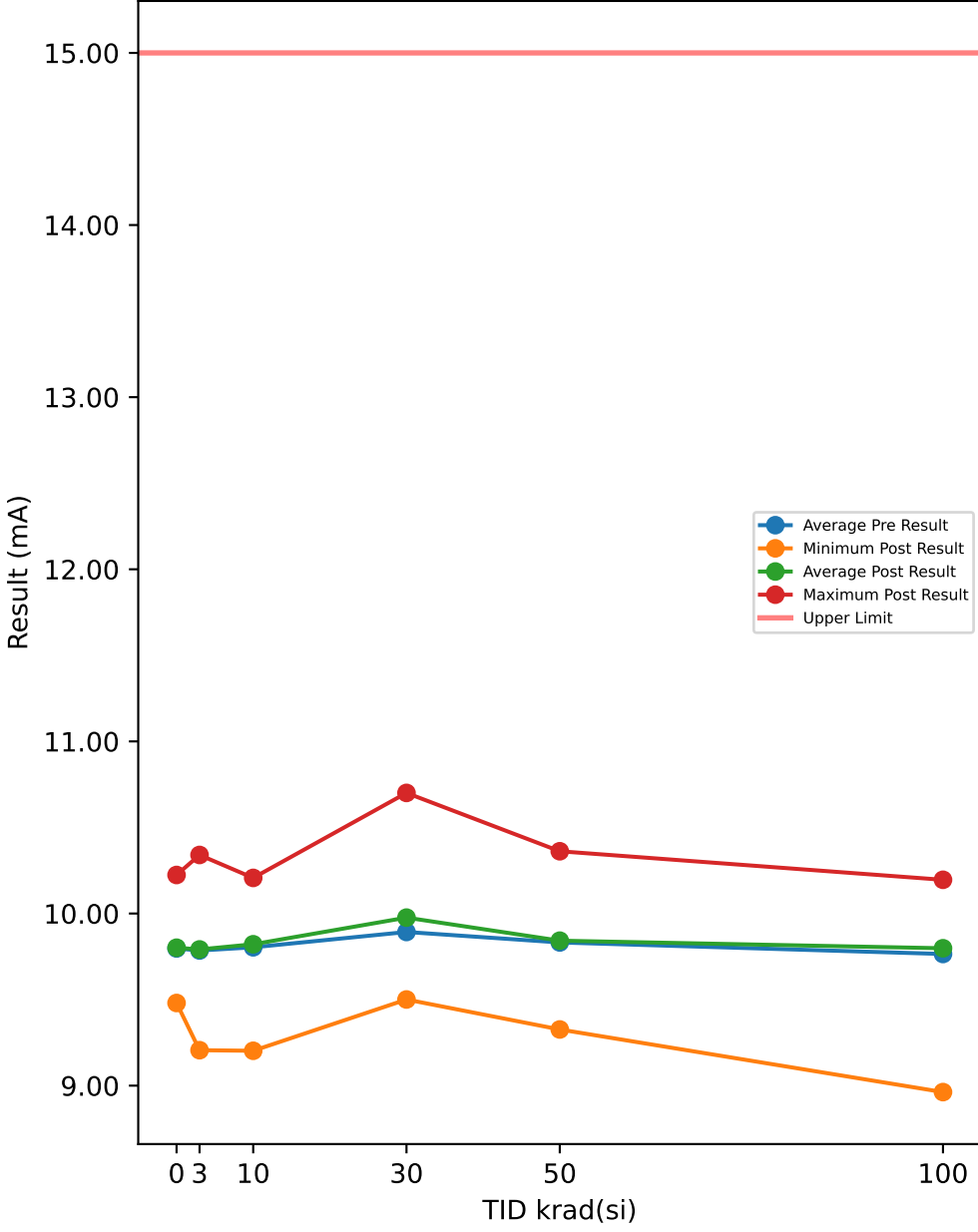


Test Statistics (µA)

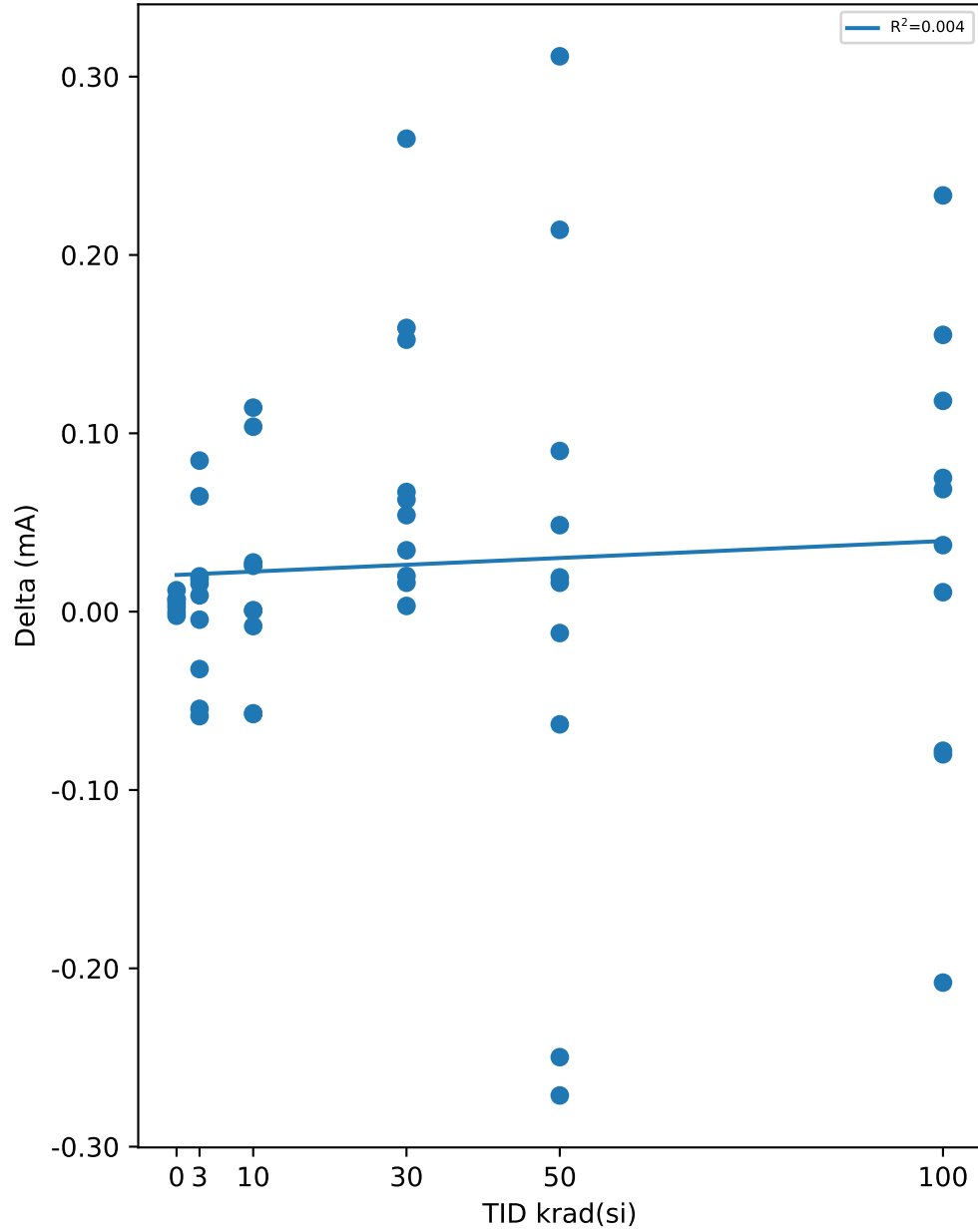
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	305.11	318.02	332.93	9.8604	303.71	316.68	331.74	9.8845	-1.5411	-1.3445	-1.1868	0.12047
3	305.69	323.18	343.28	12.299	303.32	323.11	345.18	13.618	-2.8348	-0.07111	2.9642	1.9948
10	311.07	325.91	354.05	11.483	313.51	326.38	352.53	11.45	-3.3151	0.46812	3.9219	2.5067
30	297.63	329.39	339.51	12.047	295.92	334.65	347.97	15.072	-1.7146	5.2547	11.064	4.0875
50	310.48	325.68	340.01	9.7753	316.76	335.47	352.56	10.73	0.4877	9.7944	23.285	6.3502
100	312.8	326.46	337.94	8.748	311.26	336.74	358.41	13.358	-4.5783	10.281	20.54	7.7641

Device Test: 11.12 I_Q(IQ|SUPPLY/IN/5/3.3/7/0//@I_Q)

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 15.0 (mA))

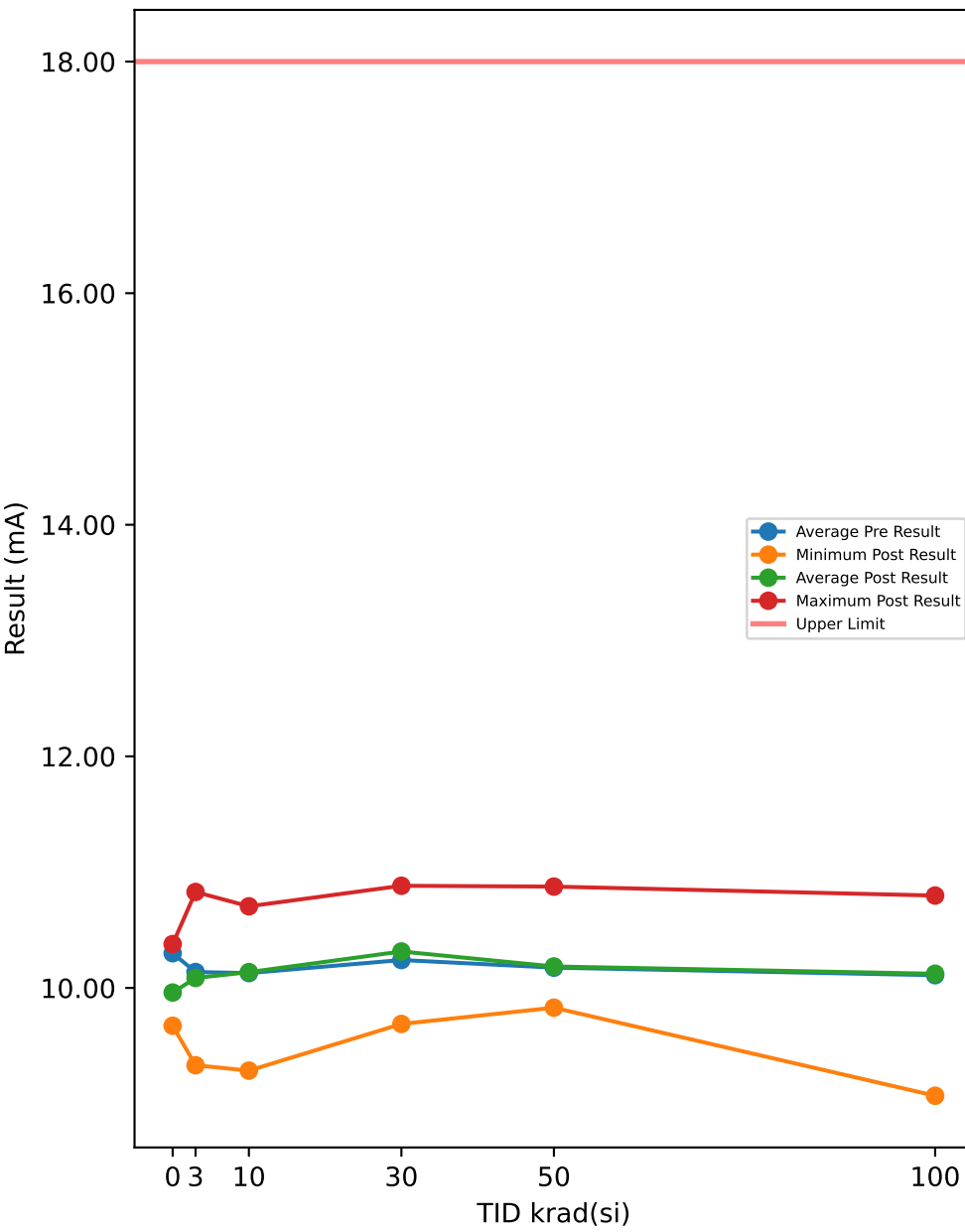
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	9.813	9.7585	-0.0545
55	3	HDR unbiased	10.322	10.34	0.0182
57	3	HDR unbiased	9.6546	9.6501	-0.0045
58	3	HDR unbiased	9.8557	9.9204	0.0647
59	3	HDR unbiased	9.5879	9.5557	-0.0322
82	10	HDR unbiased	10.055	10.082	0.0264
83	10	HDR unbiased	10.133	10.125	-0.0081
84	10	HDR unbiased	9.5618	9.5626	0.0008
85	10	HDR unbiased	10.047	10.073	0.0257
87	10	HDR unbiased	10.264	10.207	-0.057
94	30	HDR unbiased	9.9149	9.9349	0.02
95	30	HDR unbiased	9.9526	10.105	0.1525
97	30	HDR unbiased	10.33	10.333	0.0032
98	30	HDR unbiased	9.4731	9.7383	0.2652
99	30	HDR unbiased	9.9456	9.9997	0.0541
105	50	HDR unbiased	9.9742	9.7244	-0.2498
107	50	HDR unbiased	10.342	10.362	0.0192
108	50	HDR unbiased	9.3895	9.3263	-0.0632
109	50	HDR unbiased	9.6737	9.4024	-0.2713
110	50	HDR unbiased	9.7046	9.7947	0.0901
121	100	HDR biased	10.027	10.102	0.075
123	100	HDR biased	9.5304	9.5991	0.0687
124	100	HDR biased	10.157	10.168	0.0109
125	100	HDR biased	9.8607	9.898	0.0373
126	100	HDR biased	8.8073	8.9625	0.1552
127	50	HDR biased	9.9765	9.9927	0.0162
128	50	HDR biased	9.8616	10.076	0.2141
129	50	HDR biased	10.048	10.359	0.3114
130	50	HDR biased	9.6269	9.6754	0.0485
132	50	HDR biased	9.7217	9.7097	-0.012
149	100	HDR unbiased	9.479	9.5972	0.1182
150	100	HDR unbiased	9.8378	9.6298	-0.208
151	100	HDR unbiased	10.274	10.196	-0.078
152	100	HDR unbiased	9.8246	10.058	0.2334
153	100	HDR unbiased	9.8503	9.7703	-0.08
164	30	HDR biased	10.542	10.701	0.1591
165	30	HDR biased	9.5643	9.5987	0.0344
166	30	HDR biased	10.018	10.034	0.0162
168	30	HDR biased	9.4377	9.5005	0.0628
169	30	HDR biased	9.7499	9.817	0.0671
170	10	HDR biased	9.7616	9.7042	-0.0574
171	10	HDR biased	9.3321	9.3597	0.0276
172	10	HDR biased	9.8005	9.9042	0.1037
173	10	HDR biased	9.8802	9.9946	0.1144
174	10	HDR biased	9.2019	9.2025	0.0006
175	3	HDR biased	9.7947	9.8145	0.0198
176	3	HDR biased	9.2645	9.2059	-0.0586
178	3	HDR biased	9.7194	9.7285	0.0091
179	3	HDR biased	9.7089	9.7246	0.0157
180	3	HDR biased	10.131	10.215	0.0847
187	0	correlation	9.528	9.5257	-0.0023
188	0	correlation	9.9594	9.9714	0.012
189	0	correlation	9.4805	9.4802	-0.0003
190	0	correlation	10.014	10.021	0.007
191	0	correlation	10.217	10.224	0.0069
192	0	correlation	9.7338	9.7363	0.0025
193	0	correlation	9.6467	9.6514	0.0047

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	9.4805	9.797	10.217	0.27348	9.4802	9.8013	10.224	0.27729	-0.0023	0.0043571	0.012	0.0048552
3	9.2645	9.7851	10.322	0.28878	9.2059	9.7914	10.34	0.32074	-0.0586	0.00624	0.0847	0.046529
10	9.2019	9.8037	10.264	0.34854	9.2025	9.8214	10.207	0.34726	-0.0574	0.01767	0.1144	0.057202
30	9.4377	9.8927	10.542	0.35683	9.5005	9.9762	10.701	0.35357	0.0032	0.08346	0.2652	0.083316
50	9.3895	9.8319	10.342	0.26677	9.3263	9.8422	10.362	0.35519	-0.2713	0.01032	0.3114	0.18043
100	8.8073	9.7649	10.274	0.41646	8.9625	9.7981	10.196	0.37603	-0.208	0.03327	0.2334	0.1287

Device Test: 11.13 I_GND_1A(IGND|SUPPLY/IN/2.25/1.1/7/1000//@I_GND_1A)

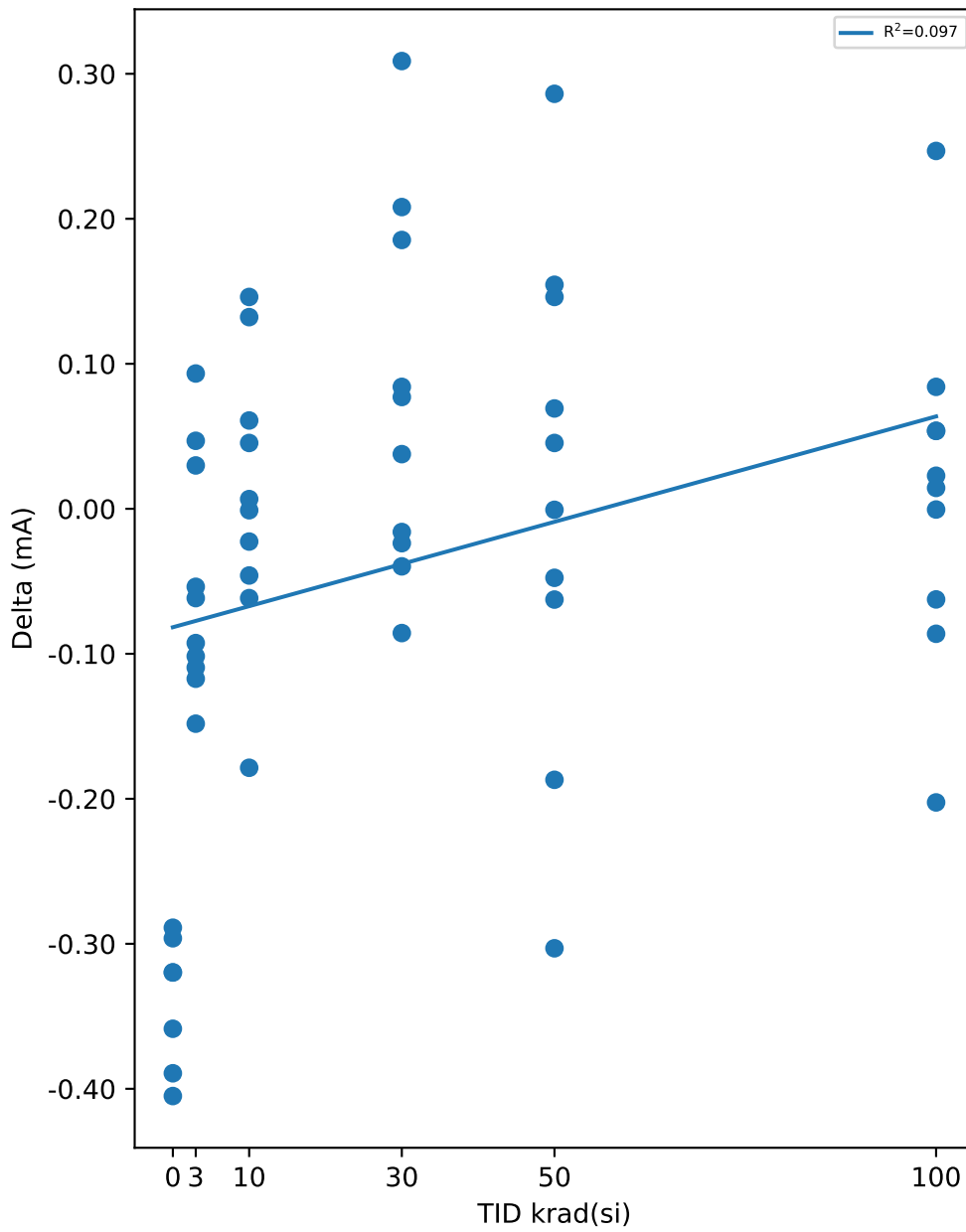
TID vs Result Stats



Test Results (Upper Limit = 18.0 (mA))

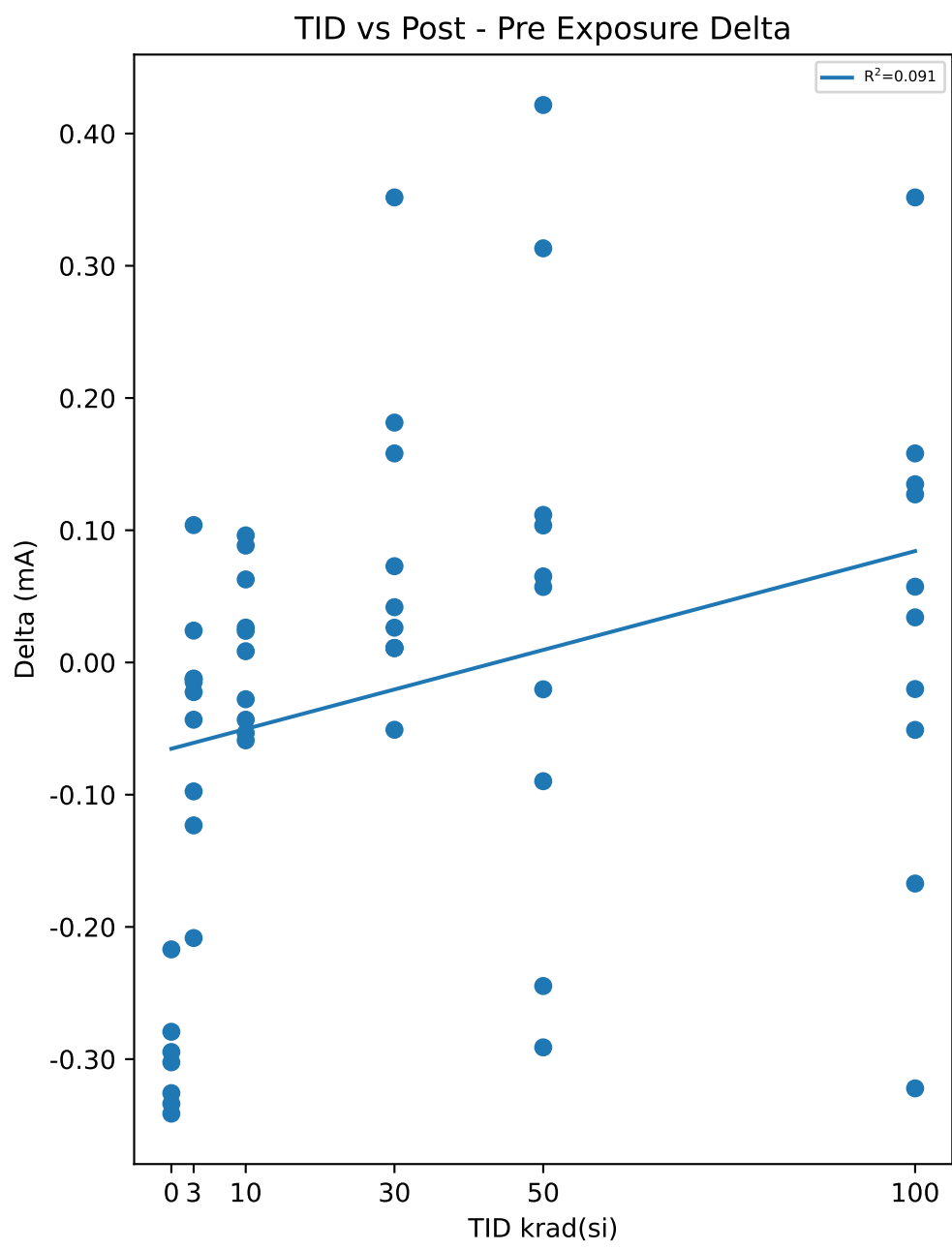
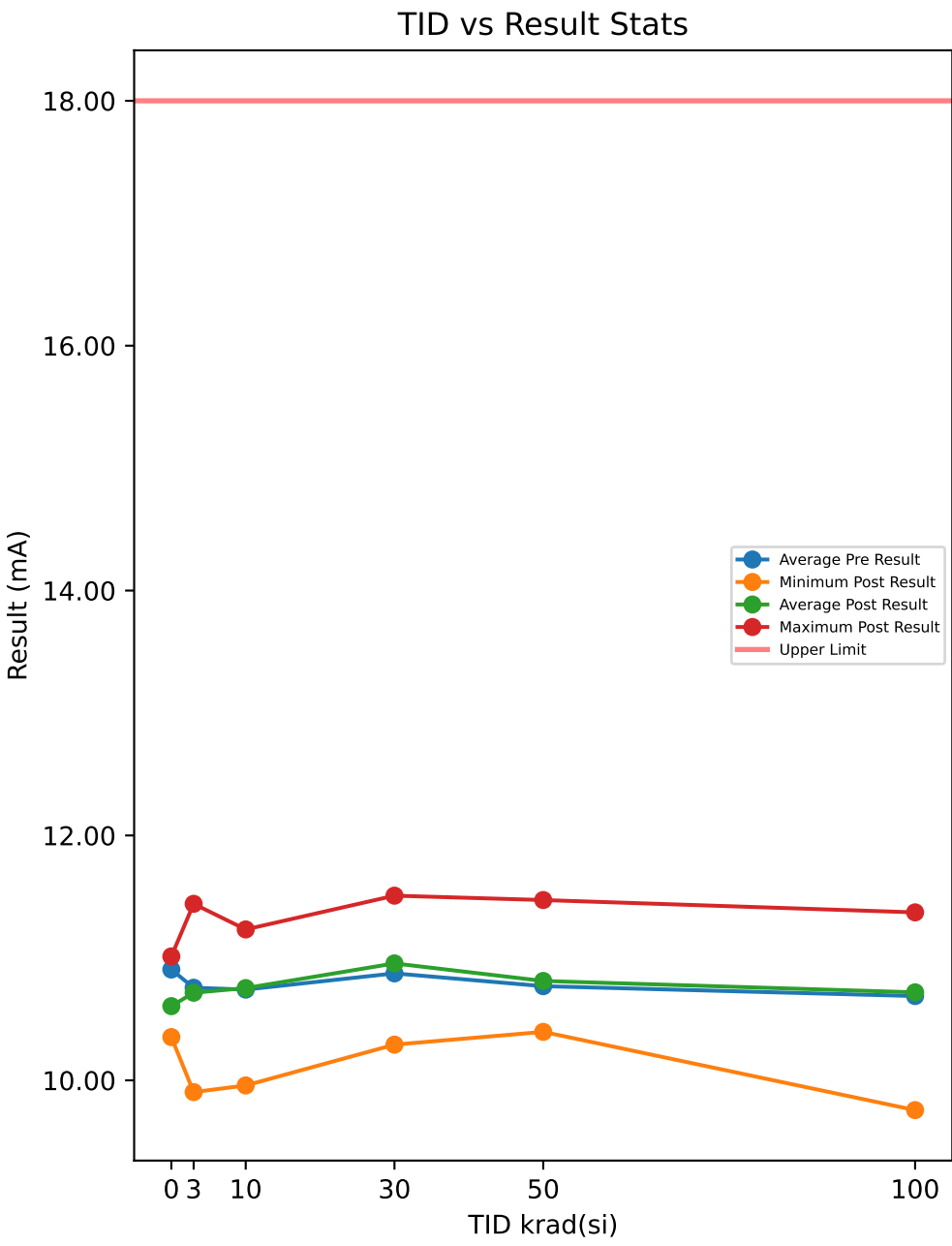
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	10.373	10.256	-0.1172
55	3	HDR unbiased	10.799	10.829	0.0299
57	3	HDR unbiased	10.264	10.163	-0.1017
58	3	HDR unbiased	10.481	10.372	-0.1095
59	3	HDR unbiased	10.179	10.031	-0.1482
82	10	HDR unbiased	10.559	10.705	0.1461
83	10	HDR unbiased	10.543	10.589	0.0454
84	10	HDR unbiased	10.071	10.132	0.0609
85	10	HDR unbiased	10.543	10.55	0.0067
87	10	HDR unbiased	10.636	10.635	-0.001
94	30	HDR unbiased	10.458	10.542	0.0841
95	30	HDR unbiased	10.45	10.658	0.2081
97	30	HDR unbiased	10.768	10.806	0.0377
98	30	HDR unbiased	9.9546	10.263	0.3088
99	30	HDR unbiased	10.505	10.465	-0.0397
105	50	HDR unbiased	10.505	10.318	-0.1869
107	50	HDR unbiased	10.83	10.875	0.0454
108	50	HDR unbiased	9.8772	9.8296	-0.0476
109	50	HDR unbiased	10.233	9.9303	-0.3031
110	50	HDR unbiased	10.156	10.302	0.1461
121	100	HDR biased	10.232	10.255	0.0228
123	100	HDR biased	9.8212	9.8749	0.0537
124	100	HDR biased	10.263	10.201	-0.0625
125	100	HDR biased	10.093	10.092	-0.0005
126	100	HDR biased	9.0152	9.069	0.0538
127	50	HDR biased	10.232	10.169	-0.0626
128	50	HDR biased	9.984	10.139	0.1545
129	50	HDR biased	10.193	10.479	0.2862
130	50	HDR biased	9.86	9.9292	0.0692
132	50	HDR biased	9.8833	9.8826	-0.0007
149	100	HDR unbiased	9.9314	10.015	0.0841
150	100	HDR unbiased	10.388	10.186	-0.2025
151	100	HDR unbiased	10.783	10.798	0.0144
152	100	HDR unbiased	10.28	10.527	0.2468
153	100	HDR unbiased	10.295	10.209	-0.0862
164	30	HDR biased	10.697	10.882	0.1854
165	30	HDR biased	9.7592	9.7432	-0.016
166	30	HDR biased	10.209	10.123	-0.0857
168	30	HDR biased	9.6119	9.689	0.0771
169	30	HDR biased	9.9994	9.9757	-0.0237
170	10	HDR biased	10.077	9.8983	-0.1786
171	10	HDR biased	9.5025	9.4565	-0.046
172	10	HDR biased	9.9288	10.061	0.1322
173	10	HDR biased	10.076	10.053	-0.0226
174	10	HDR biased	9.3476	9.286	-0.0616
175	3	HDR biased	9.8281	9.875	0.0469
176	3	HDR biased	9.425	9.3324	-0.0926
178	3	HDR biased	9.8978	9.844	-0.0538
179	3	HDR biased	9.8514	9.7898	-0.0616
180	3	HDR biased	10.278	10.371	0.0933
187	0	correlation	10.079	9.7199	-0.3586
188	0	correlation	10.497	10.107	-0.3893
189	0	correlation	9.9933	9.6735	-0.3198
190	0	correlation	10.466	10.146	-0.3197
191	0	correlation	10.675	10.379	-0.2962
192	0	correlation	10.264	9.8594	-0.405
193	0	correlation	10.125	9.8361	-0.2889

TID vs Post - Pre Exposure Delta



Test Statistics (mA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	9.9933	10.3	10.675	0.25225	9.6735	9.9602	10.379	0.2572	-0.405	-0.33964	-0.2889	0.045369
3	9.425	10.138	10.799	0.39317	9.3324	10.086	10.829	0.40976	-0.1482	-0.05145	0.0933	0.080708
10	9.3476	10.128	10.636	0.45183	9.286	10.137	10.705	0.49468	-0.1786	0.00815	0.1461	0.095623
30	9.6119	10.241	10.768	0.39655	9.689	10.315	10.882	0.42532	-0.0857	0.07361	0.3088	0.12606
50	9.86	10.175	10.83	0.30809	9.8296	10.185	10.875	0.32404	-0.3031	0.01005	0.2862	0.1719
100	9.0152	10.11	10.783	0.46508	9.069	10.123	10.798	0.45192	-0.2025	0.01239	0.2468	0.11799



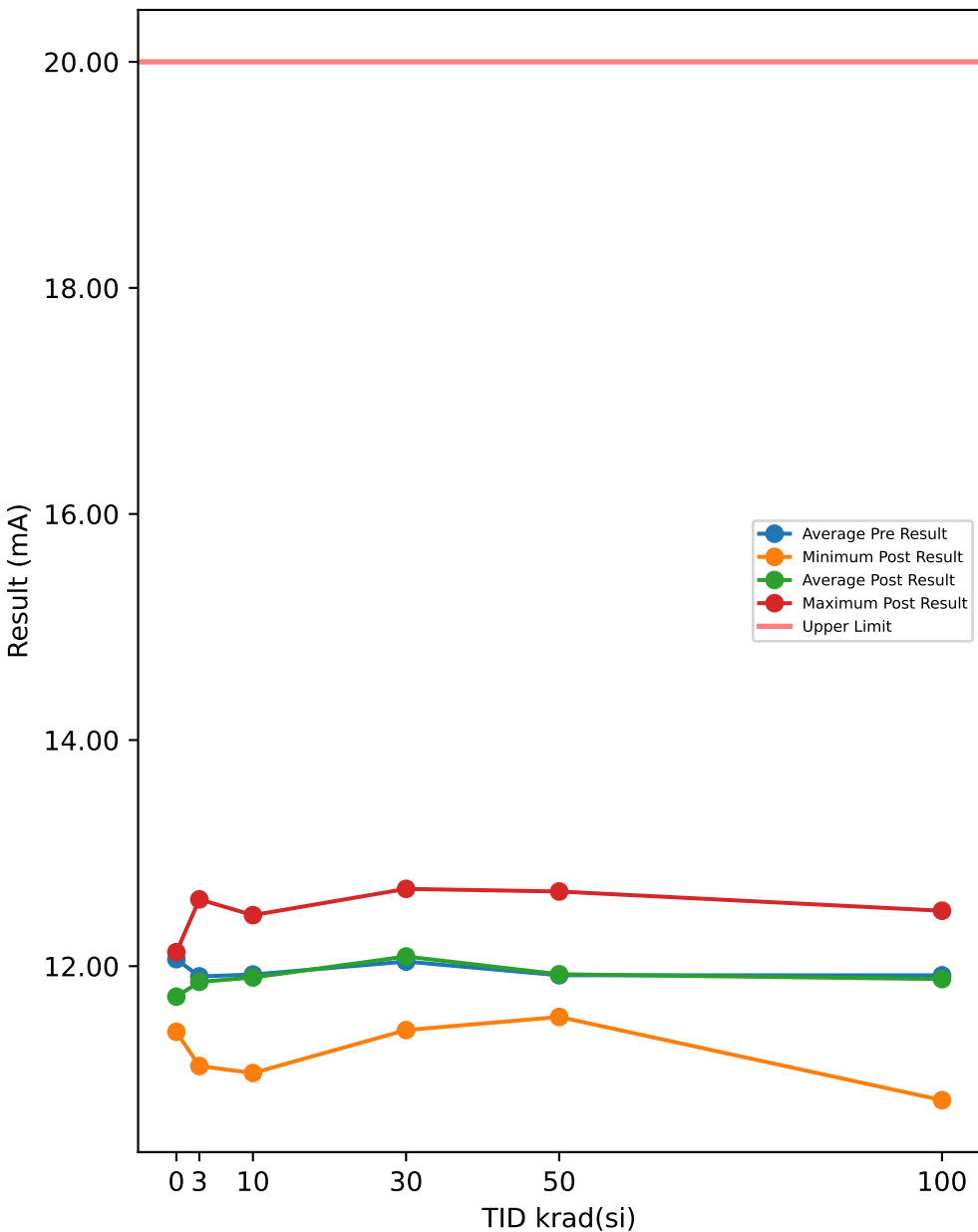
Test Results (Upper Limit = 18.0 (mA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	10.912	10.899	-0.0123
55	3	HDR unbiased	11.485	11.441	-0.0433
57	3	HDR unbiased	10.811	10.799	-0.0123
58	3	HDR unbiased	10.912	11.015	0.1039
59	3	HDR unbiased	10.733	10.636	-0.0975
82	10	HDR unbiased	11.175	11.201	0.0264
83	10	HDR unbiased	11.144	11.232	0.0884
84	10	HDR unbiased	10.687	10.644	-0.0433
85	10	HDR unbiased	11.113	11.209	0.0961
87	10	HDR unbiased	11.252	11.225	-0.0278
94	30	HDR unbiased	11.051	11.093	0.0418
95	30	HDR unbiased	11.191	11.263	0.0728
97	30	HDR unbiased	11.485	11.496	0.0109
98	30	HDR unbiased	10.579	10.93	0.3517
99	30	HDR unbiased	11.105	11.116	0.0109
105	50	HDR unbiased	11.074	10.83	-0.2447
107	50	HDR unbiased	11.407	11.473	0.0651
108	50	HDR unbiased	10.486	10.396	-0.0898
109	50	HDR unbiased	10.772	10.481	-0.2911
110	50	HDR unbiased	10.764	10.876	0.1116
121	100	HDR biased	10.792	10.849	0.0573
123	100	HDR biased	10.226	10.361	0.1348
124	100	HDR biased	10.924	10.904	-0.0201
125	100	HDR biased	10.606	10.64	0.0341
126	100	HDR biased	9.6297	9.7568	0.1271
127	50	HDR biased	10.769	10.873	0.1036
128	50	HDR biased	10.56	10.981	0.4216
129	50	HDR biased	10.808	11.121	0.3132
130	50	HDR biased	10.529	10.586	0.0571
132	50	HDR biased	10.521	10.501	-0.0203
149	100	HDR unbiased	10.493	10.651	0.1581
150	100	HDR unbiased	10.958	10.636	-0.3221
151	100	HDR unbiased	11.423	11.372	-0.051
152	100	HDR unbiased	10.904	11.256	0.3517
153	100	HDR unbiased	10.927	10.76	-0.1672
164	30	HDR biased	11.35	11.508	0.1581
165	30	HDR biased	10.374	10.4	0.0263
166	30	HDR biased	10.808	10.757	-0.0509
168	30	HDR biased	10.281	10.292	0.011
169	30	HDR biased	10.513	10.694	0.1814
170	10	HDR biased	10.606	10.547	-0.0589
171	10	HDR biased	10.089	10.152	0.0628
172	10	HDR biased	10.655	10.663	0.0085
173	10	HDR biased	10.756	10.702	-0.0534
174	10	HDR biased	9.9343	9.9582	0.0239
175	3	HDR biased	10.578	10.602	0.0241
176	3	HDR biased	10.112	9.904	-0.2084
178	3	HDR biased	10.492	10.478	-0.0148
179	3	HDR biased	10.57	10.447	-0.1232
180	3	HDR biased	10.957	10.935	-0.0224
187	0	correlation	10.733	10.454	-0.2793
188	0	correlation	11.059	10.764	-0.2946
189	0	correlation	10.687	10.353	-0.3337
190	0	correlation	11.074	10.772	-0.3024
191	0	correlation	11.229	11.012	-0.217
192	0	correlation	10.842	10.501	-0.3412
193	0	correlation	10.71	10.384	-0.3257

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	10.687	10.905	11.229	0.21459	10.353	10.606	11.012	0.24651	-0.3412	-0.29913	-0.217	0.042506
3	10.112	10.756	11.485	0.36116	9.904	10.716	11.441	0.40997	-0.2084	-0.04062	0.1039	0.085563
10	9.9343	10.741	11.252	0.45399	9.9582	10.753	11.232	0.46177	-0.0589	0.01227	0.0961	0.057539
30	10.281	10.874	11.485	0.42286	10.292	10.955	11.508	0.42092	-0.0509	0.0814	0.3517	0.11833
50	10.486	10.769	11.407	0.28785	10.396	10.812	11.473	0.3332	-0.2911	0.04263	0.4216	0.22147
100	9.6297	10.688	11.423	0.48998	9.7568	10.719	11.372	0.45196	-0.3221	0.03027	0.3517	0.18649

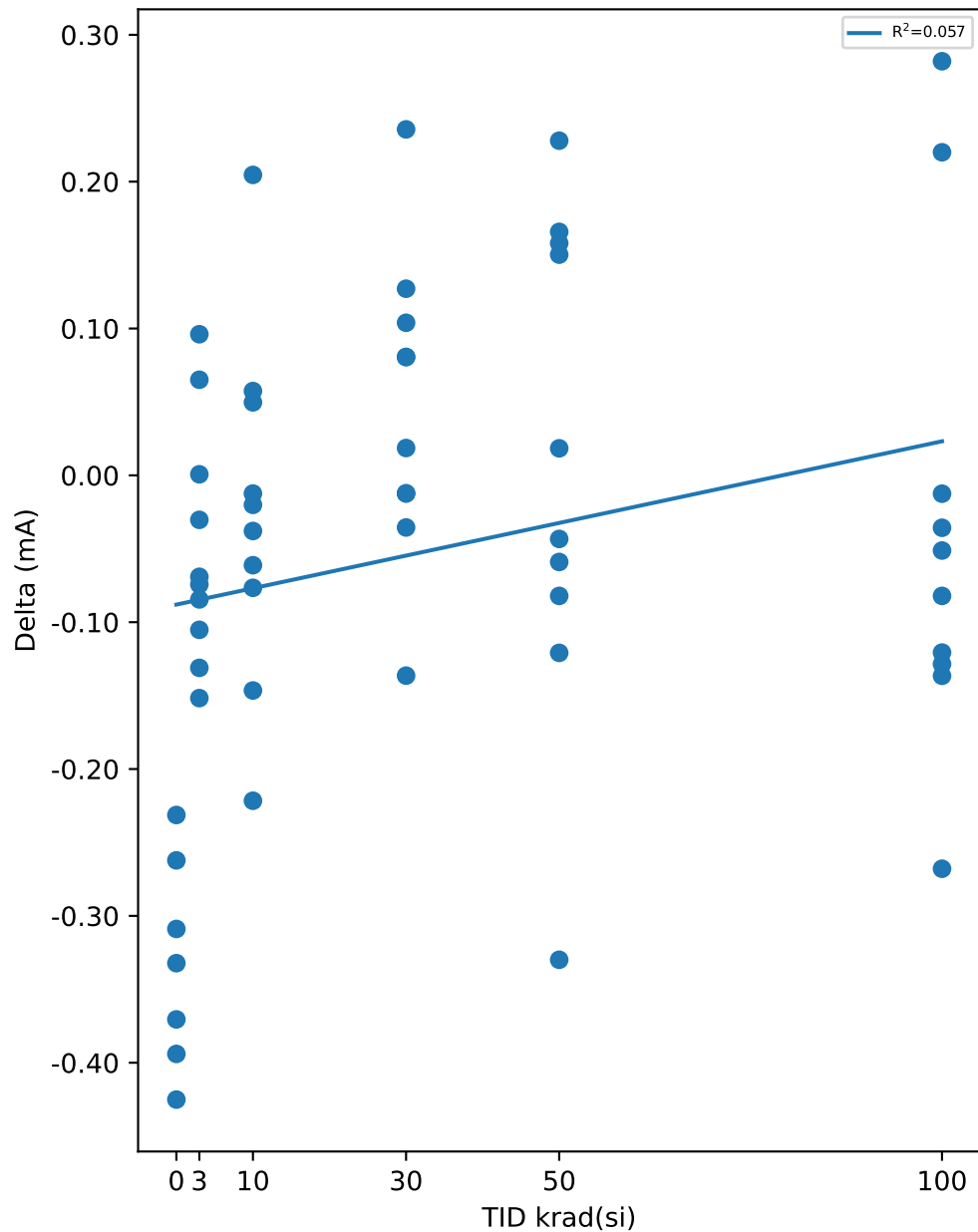
TID vs Result Stats



Test Results (Upper Limit = 20.0 (mA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	12.177	12.025	-0.1517
55	3	HDR unbiased	12.526	12.591	0.0651
57	3	HDR unbiased	12.045	11.971	-0.0743
58	3	HDR unbiased	12.123	12.219	0.0961
59	3	HDR unbiased	11.944	11.839	-0.1052
82	10	HDR unbiased	12.247	12.451	0.2046
83	10	HDR unbiased	12.332	12.382	0.0497
84	10	HDR unbiased	11.937	11.917	-0.0201
85	10	HDR unbiased	12.27	12.257	-0.0124
87	10	HDR unbiased	12.394	12.451	0.0574
94	30	HDR unbiased	12.247	12.234	-0.0123
95	30	HDR unbiased	12.216	12.32	0.1039
97	30	HDR unbiased	12.603	12.684	0.0806
98	30	HDR unbiased	11.79	12.025	0.2356
99	30	HDR unbiased	12.169	12.25	0.0806
105	50	HDR unbiased	12.138	12.056	-0.0821
107	50	HDR unbiased	12.51	12.66	0.1503
108	50	HDR unbiased	11.611	11.568	-0.0433
109	50	HDR unbiased	11.983	11.653	-0.3299
110	50	HDR unbiased	11.883	12.041	0.1581
121	100	HDR biased	12.074	12.023	-0.0512
123	100	HDR biased	11.602	11.52	-0.0821
124	100	HDR biased	12.152	12.015	-0.1365
125	100	HDR biased	11.85	11.837	-0.0125
126	100	HDR biased	10.85	10.814	-0.0357
127	50	HDR biased	11.95	11.969	0.0184
128	50	HDR biased	11.772	11.938	0.1658
129	50	HDR biased	11.997	12.225	0.2279
130	50	HDR biased	11.741	11.62	-0.1209
132	50	HDR biased	11.61	11.55	-0.059
149	100	HDR unbiased	11.712	11.932	0.22
150	100	HDR unbiased	12.146	11.878	-0.2679
151	100	HDR unbiased	12.618	12.49	-0.1285
152	100	HDR unbiased	12.053	12.335	0.282
153	100	HDR unbiased	12.13	12.01	-0.1207
164	30	HDR biased	12.555	12.682	0.1271
165	30	HDR biased	11.563	11.527	-0.0355
166	30	HDR biased	12.043	11.907	-0.1364
168	30	HDR biased	11.447	11.434	-0.0123
169	30	HDR biased	11.772	11.791	0.0186
170	10	HDR biased	11.842	11.62	-0.2216
171	10	HDR biased	11.309	11.248	-0.0612
172	10	HDR biased	11.79	11.713	-0.0766
173	10	HDR biased	11.937	11.899	-0.0379
174	10	HDR biased	11.201	11.055	-0.1465
175	3	HDR biased	11.658	11.659	0.0007
176	3	HDR biased	11.185	11.116	-0.0691
178	3	HDR biased	11.689	11.558	-0.1311
179	3	HDR biased	11.666	11.582	-0.0845
180	3	HDR biased	12.077	12.046	-0.0303
187	0	correlation	11.937	11.512	-0.4251
188	0	correlation	12.192	11.961	-0.2313
189	0	correlation	11.751	11.419	-0.3322
190	0	correlation	12.216	11.953	-0.2622
191	0	correlation	12.495	12.124	-0.3705
192	0	correlation	12.022	11.628	-0.394
193	0	correlation	11.821	11.512	-0.3089

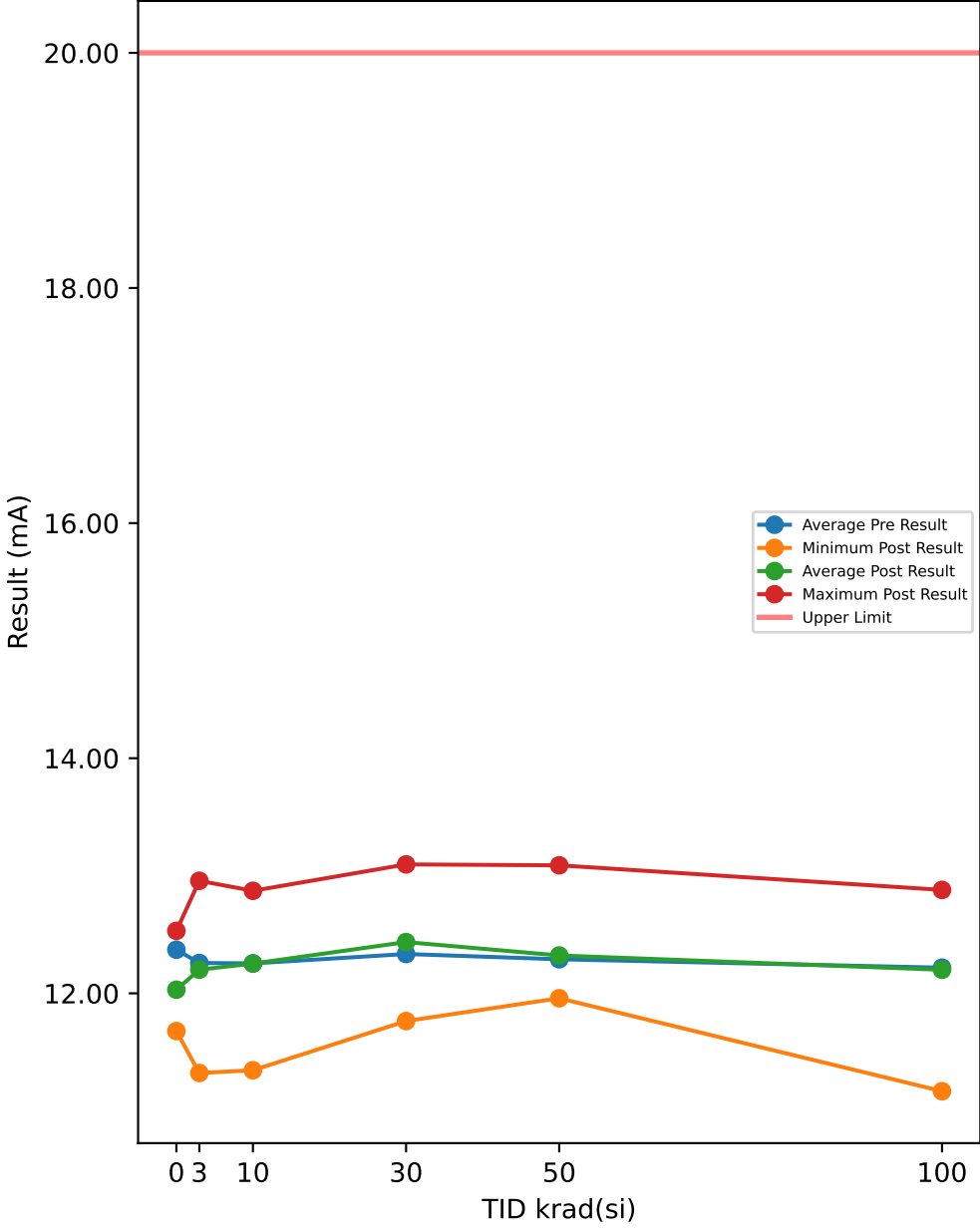
TID vs Post - Pre Exposure Delta



Test Statistics (mA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	11.751	12.062	12.495	0.25819	11.419	11.73	12.124	0.27724	-0.4251	-0.33203	-0.2313	0.070167
3	11.185	11.909	12.526	0.37105	11.116	11.861	12.591	0.40815	-0.1517	-0.04843	0.0961	0.081404
10	11.201	11.926	12.394	0.41313	11.055	11.899	12.451	0.49668	-0.2216	-0.02646	0.2046	0.11681
30	11.447	12.04	12.603	0.3925	11.434	12.085	12.684	0.43145	-0.1364	0.04499	0.2356	0.10313
50	11.61	11.92	12.51	0.26945	11.55	11.928	12.66	0.34918	-0.3299	0.00853	0.2279	0.17068
100	10.85	11.919	12.618	0.46821	10.814	11.885	12.49	0.46005	-0.2679	-0.03331	0.282	0.16637

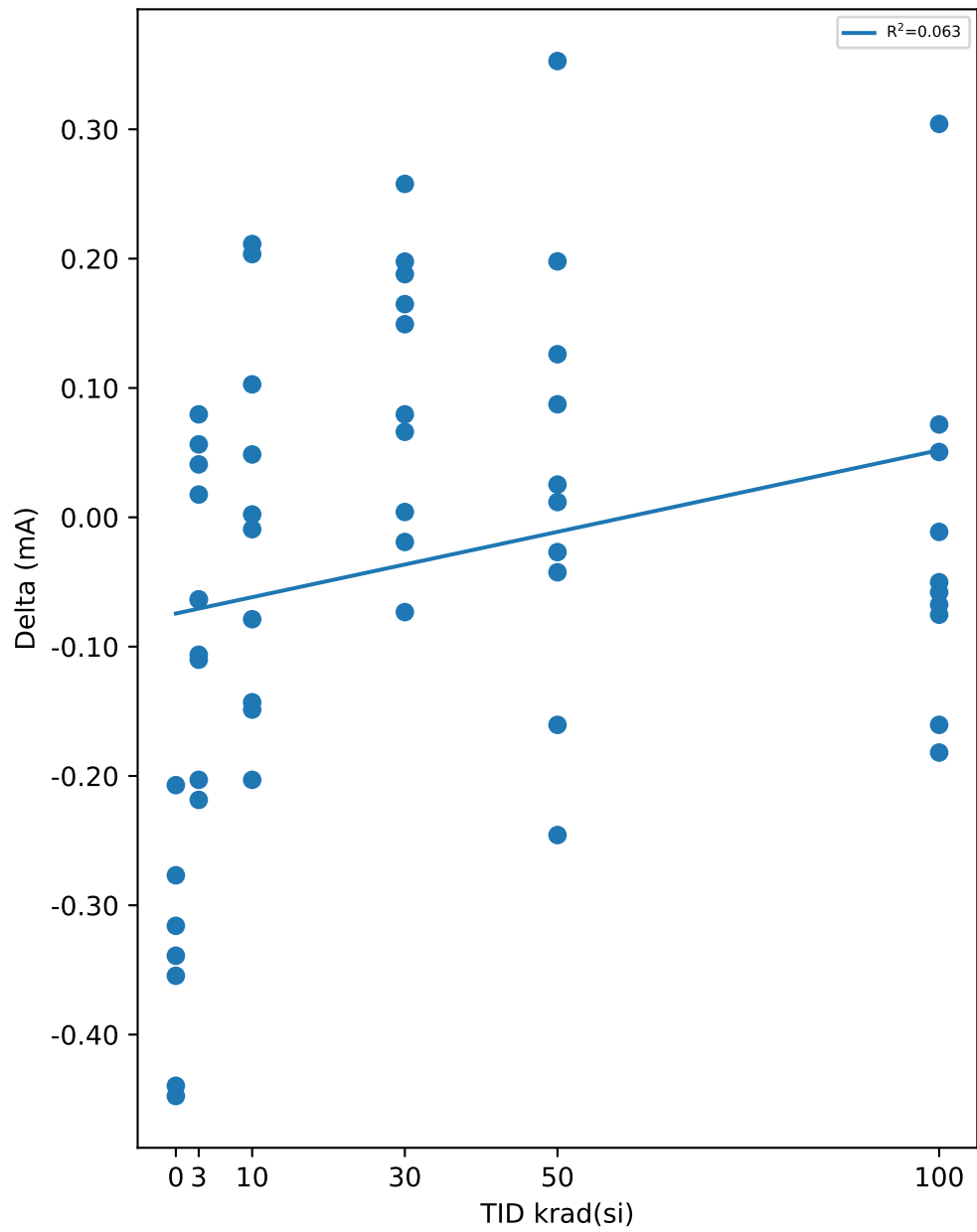
TID vs Result Stats



Test Results (Upper Limit = 20.0 (mA))

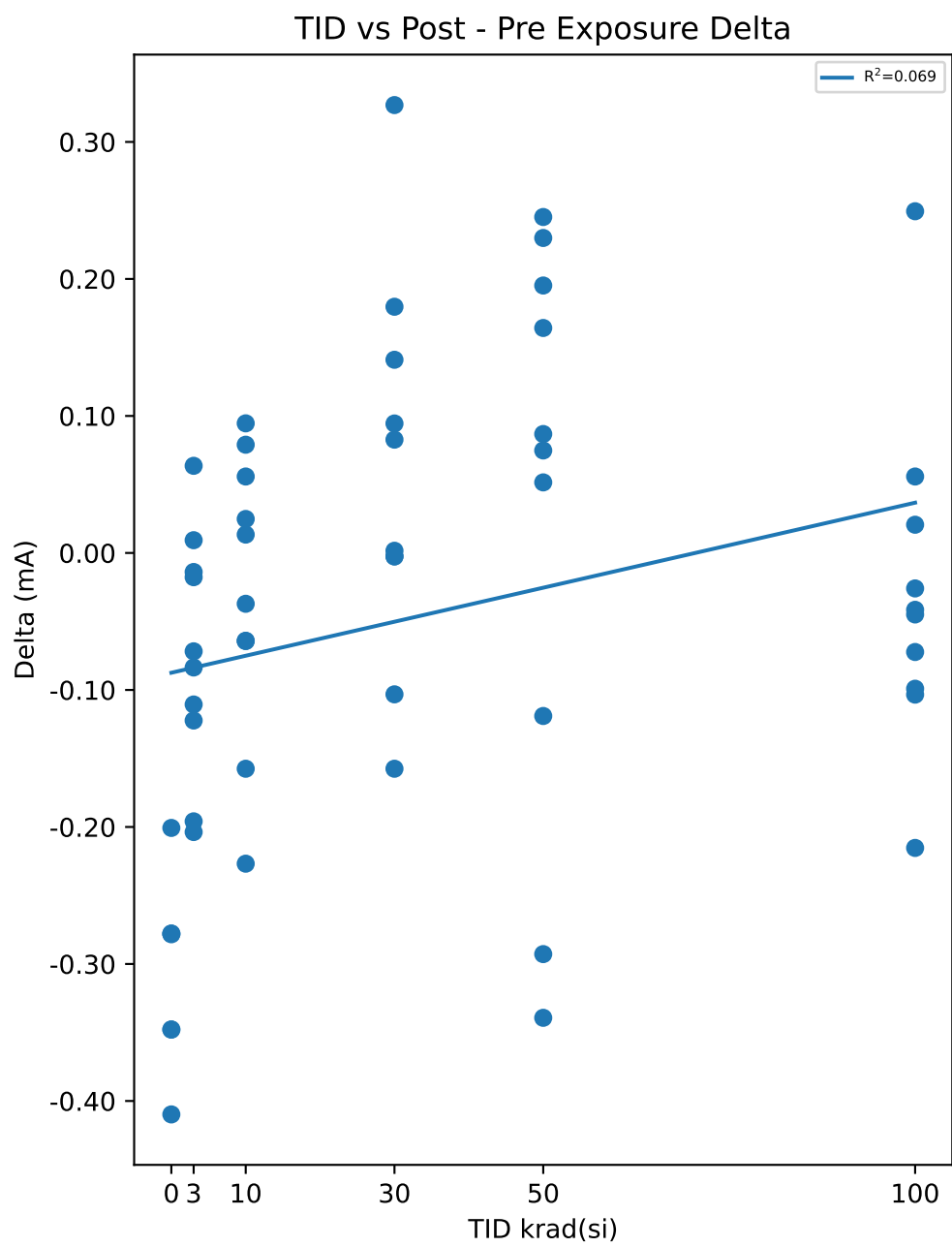
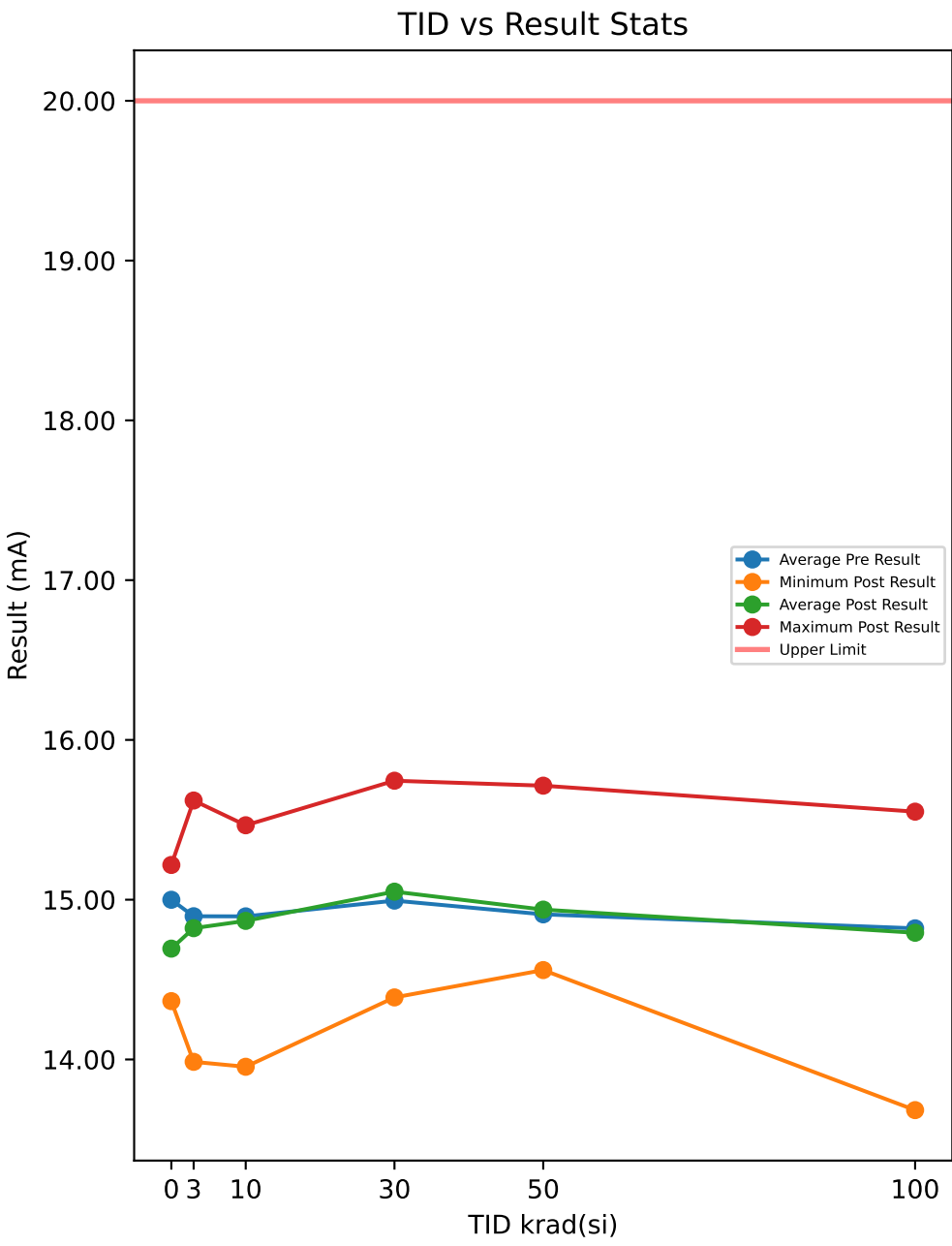
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	12.428	12.322	-0.1063
55	3	HDR unbiased	12.916	12.957	0.0409
57	3	HDR unbiased	12.304	12.361	0.0564
58	3	HDR unbiased	12.514	12.531	0.0176
59	3	HDR unbiased	12.157	12.237	0.0796
82	10	HDR unbiased	12.661	12.872	0.2113
83	10	HDR unbiased	12.63	12.678	0.0486
84	10	HDR unbiased	12.157	12.26	0.1028
85	10	HDR unbiased	12.545	12.748	0.2035
87	10	HDR unbiased	12.761	12.764	0.0022
94	30	HDR unbiased	12.467	12.655	0.188
95	30	HDR unbiased	12.583	12.733	0.1493
97	30	HDR unbiased	12.932	13.097	0.1648
98	30	HDR unbiased	12.08	12.338	0.2578
99	30	HDR unbiased	12.506	12.585	0.0796
105	50	HDR unbiased	12.552	12.392	-0.1605
107	50	HDR unbiased	12.963	13.089	0.1261
108	50	HDR unbiased	11.933	11.958	0.0253
109	50	HDR unbiased	12.25	12.005	-0.2457
110	50	HDR unbiased	12.219	12.307	0.0874
121	100	HDR biased	12.388	12.338	-0.0502
123	100	HDR biased	11.931	11.872	-0.058
124	100	HDR biased	12.465	12.284	-0.1819
125	100	HDR biased	12.109	12.159	0.0505
126	100	HDR biased	11.179	11.167	-0.0113
127	50	HDR biased	12.411	12.423	0.0118
128	50	HDR biased	12.101	12.299	0.1979
129	50	HDR biased	12.349	12.702	0.3528
130	50	HDR biased	12.117	12.074	-0.0425
132	50	HDR biased	12	11.973	-0.0269
149	100	HDR unbiased	12.103	12.175	0.0718
150	100	HDR unbiased	12.367	12.206	-0.1605
151	100	HDR unbiased	12.947	12.88	-0.0676
152	100	HDR unbiased	12.312	12.616	0.3042
153	100	HDR unbiased	12.382	12.307	-0.0753
164	30	HDR biased	12.83	13.027	0.1977
165	30	HDR biased	11.876	11.942	0.0661
166	30	HDR biased	12.271	12.198	-0.0733
168	30	HDR biased	11.783	11.764	-0.0191
169	30	HDR biased	12.016	12.02	0.0041
170	10	HDR biased	12.233	12.09	-0.143
171	10	HDR biased	11.611	11.462	-0.1487
172	10	HDR biased	12.052	12.043	-0.0092
173	10	HDR biased	12.347	12.268	-0.0788
174	10	HDR biased	11.549	11.346	-0.203
175	3	HDR biased	12.037	11.973	-0.0635
176	3	HDR biased	11.541	11.322	-0.2185
178	3	HDR biased	12.114	11.911	-0.203
179	3	HDR biased	12.029	11.919	-0.1101
180	3	HDR biased	12.541	12.477	-0.0636
187	0	correlation	12.25	11.911	-0.339
188	0	correlation	12.56	12.353	-0.2071
189	0	correlation	12.095	11.78	-0.3159
190	0	correlation	12.49	12.051	-0.4396
191	0	correlation	12.808	12.531	-0.2768
192	0	correlation	12.266	11.911	-0.3545
193	0	correlation	12.126	11.679	-0.4475

TID vs Post - Pre Exposure Delta



Test Statistics (mA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	12.095	12.371	12.808	0.25897	11.679	12.031	12.531	0.30826	-0.4475	-0.34006	-0.2071	0.085562
3	11.541	12.258	12.916	0.3736	11.322	12.201	12.957	0.44546	-0.2185	-0.05705	0.0796	0.10509
10	11.549	12.255	12.761	0.42419	11.346	12.253	12.872	0.53651	-0.203	-0.00143	0.2113	0.14493
30	11.783	12.334	12.932	0.39373	11.764	12.436	13.097	0.45692	-0.0733	0.1015	0.2578	0.10738
50	11.933	12.29	12.963	0.30252	11.958	12.322	13.089	0.35971	-0.2457	0.03257	0.3528	0.17192
100	11.179	12.218	12.947	0.45556	11.167	12.2	12.88	0.45323	-0.1819	-0.01783	0.3042	0.13831



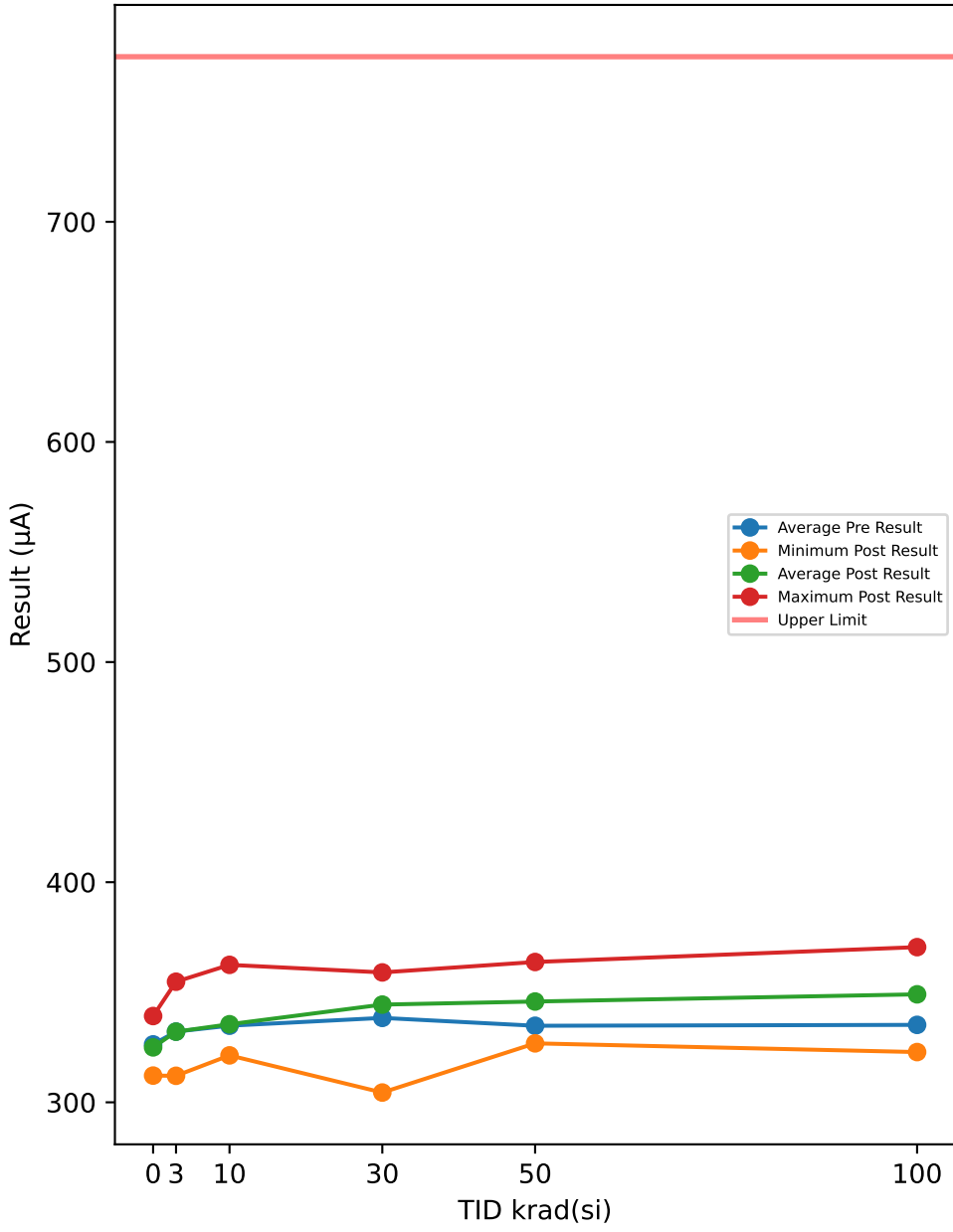
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	15.015	15.001	-0.0139
55	3	HDR unbiased	15.557	15.621	0.0636
57	3	HDR unbiased	14.945	14.862	-0.0836
58	3	HDR unbiased	15.286	15.164	-0.1223
59	3	HDR unbiased	14.806	14.815	0.0093
82	10	HDR unbiased	15.371	15.466	0.0946
83	10	HDR unbiased	15.247	15.272	0.0248
84	10	HDR unbiased	14.736	14.815	0.079
85	10	HDR unbiased	15.302	15.357	0.0558
87	10	HDR unbiased	15.433	15.396	-0.0371
94	30	HDR unbiased	15.224	15.226	0.0016
95	30	HDR unbiased	15.263	15.404	0.141
97	30	HDR unbiased	15.565	15.745	0.1797
98	30	HDR unbiased	14.62	14.947	0.3269
99	30	HDR unbiased	15.092	15.187	0.0945
105	50	HDR unbiased	15.255	14.962	-0.2928
107	50	HDR unbiased	15.549	15.714	0.1642
108	50	HDR unbiased	14.535	14.622	0.0868
109	50	HDR unbiased	14.899	14.559	-0.3393
110	50	HDR unbiased	14.914	15.109	0.1952
121	100	HDR biased	14.918	14.938	0.0206
123	100	HDR biased	14.414	14.388	-0.0259
124	100	HDR biased	14.988	14.915	-0.0723
125	100	HDR biased	14.747	14.706	-0.0415
126	100	HDR biased	13.786	13.683	-0.1034
127	50	HDR biased	14.957	15.008	0.0515
128	50	HDR biased	14.662	14.907	0.2452
129	50	HDR biased	14.995	15.225	0.2299
130	50	HDR biased	14.623	14.698	0.0748
132	50	HDR biased	14.693	14.574	-0.119
149	100	HDR unbiased	14.721	14.776	0.0558
150	100	HDR unbiased	15.023	14.807	-0.2153
151	100	HDR unbiased	15.65	15.551	-0.0991
152	100	HDR unbiased	14.953	15.202	0.2494
153	100	HDR unbiased	15.007	14.962	-0.0449
164	30	HDR biased	15.538	15.62	0.0827
165	30	HDR biased	14.561	14.458	-0.1032
166	30	HDR biased	15.011	14.853	-0.1575
168	30	HDR biased	14.391	14.388	-0.0024
169	30	HDR biased	14.678	14.675	-0.0026
170	10	HDR biased	14.755	14.598	-0.1575
171	10	HDR biased	14.321	14.256	-0.0643
172	10	HDR biased	14.747	14.683	-0.0641
173	10	HDR biased	14.863	14.877	0.0134
174	10	HDR biased	14.181	13.954	-0.2268
175	3	HDR biased	14.739	14.628	-0.1106
176	3	HDR biased	14.181	13.985	-0.1959
178	3	HDR biased	14.731	14.528	-0.2037
179	3	HDR biased	14.623	14.605	-0.0177
180	3	HDR biased	15.08	15.008	-0.0718
187	0	correlation	14.837	14.489	-0.3479
188	0	correlation	15.185	14.907	-0.2779
189	0	correlation	14.713	14.435	-0.2783
190	0	correlation	15.139	14.791	-0.3478
191	0	correlation	15.495	15.217	-0.2778
192	0	correlation	14.852	14.652	-0.2007
193	0	correlation	14.775	14.365	-0.4098

Test Statistics (mA)

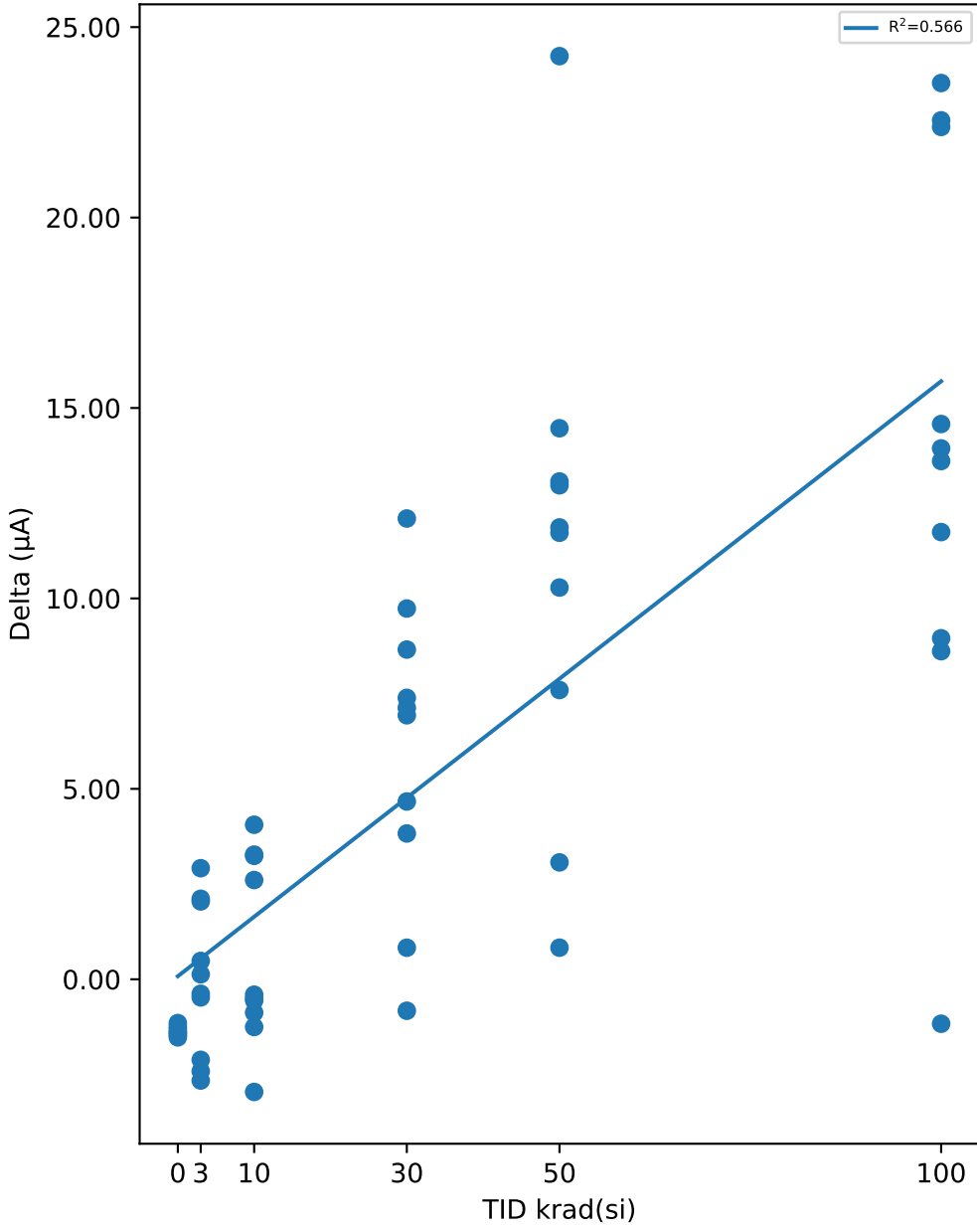
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	14.713	14.999	15.495	0.28297	14.365	14.694	15.217	0.3023	-0.4098	-0.30574	-0.2007	0.067967
3	14.181	14.896	15.557	0.37788	13.985	14.822	15.621	0.43389	-0.2037	-0.07466	0.0636	0.086987
10	14.181	14.896	15.433	0.43628	13.954	14.867	15.466	0.51188	-0.2268	-0.02822	0.0946	0.10382
30	14.391	14.994	15.565	0.41475	14.388	15.05	15.745	0.46679	-0.1575	0.05607	0.3269	0.14096
50	14.535	14.908	15.549	0.31073	14.559	14.938	15.714	0.35797	-0.3393	0.02965	0.2452	0.21083
100	13.786	14.821	15.65	0.47944	13.683	14.793	15.551	0.49564	-0.2153	-0.02766	0.2494	0.12229

Device Test: 11.2 I_SHDN(ISHDN|SUPPLY/IN/3.3//0/0//@I_SHDN)

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 775.0 (µA))

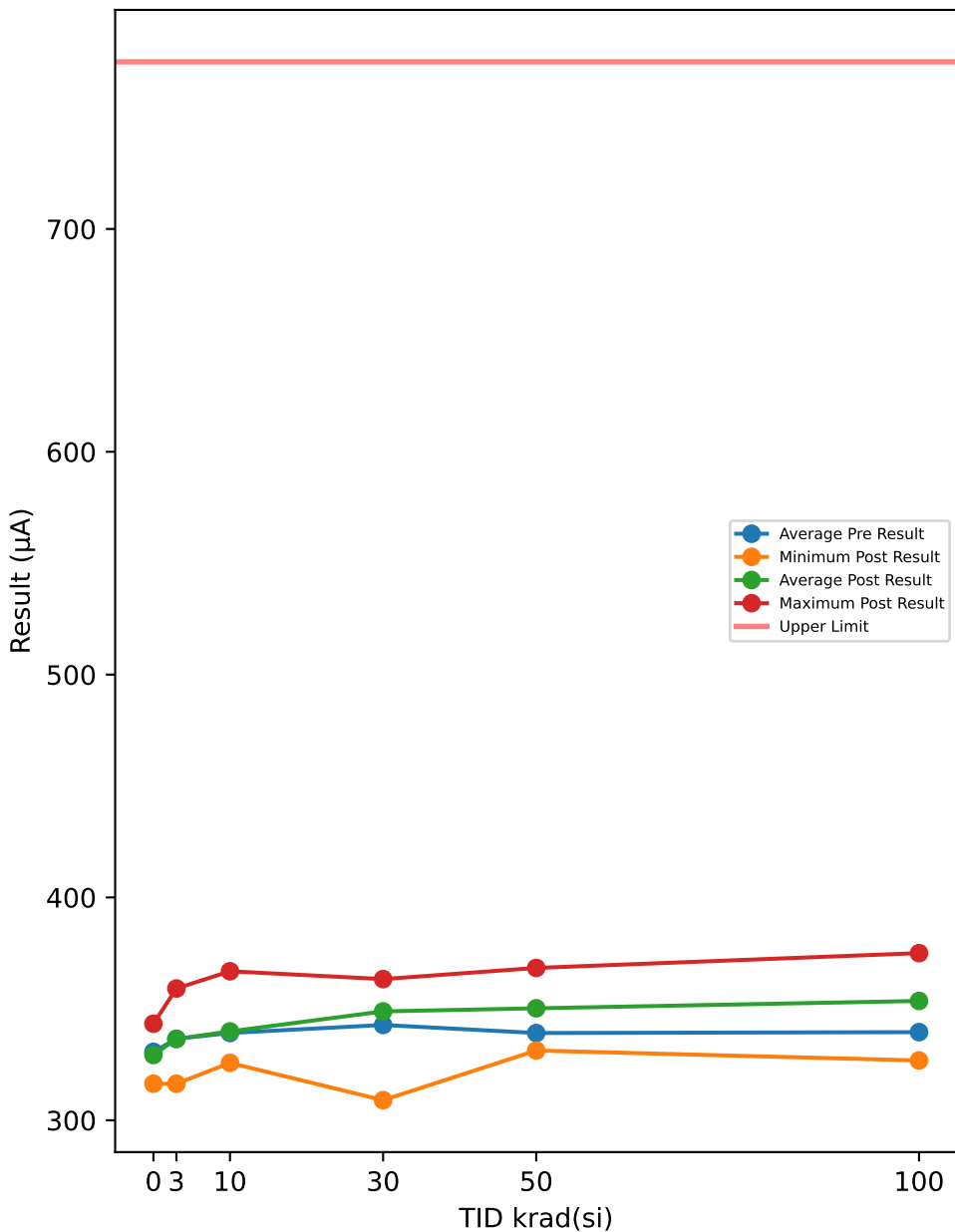
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	345.73	347.84	2.113
55	3	HDR unbiased	326.03	326.51	0.4815
57	3	HDR unbiased	331.52	334.44	2.9166
58	3	HDR unbiased	352.74	354.78	2.044
59	3	HDR unbiased	330.7	330.83	0.1308
82	10	HDR unbiased	334.37	338.43	4.0573
83	10	HDR unbiased	342.07	345.34	3.2732
84	10	HDR unbiased	327.6	327.19	-0.4049
85	10	HDR unbiased	334.7	337.94	3.2409
87	10	HDR unbiased	335.08	334.2	-0.8756
94	30	HDR unbiased	305.26	304.44	-0.8266
95	30	HDR unbiased	344.42	351.81	7.3883
97	30	HDR unbiased	342.71	349.64	6.9318
98	30	HDR unbiased	334.67	338.5	3.8282
99	30	HDR unbiased	348.11	355.24	7.127
105	50	HDR unbiased	334.18	346.04	11.864
107	50	HDR unbiased	339.92	351.64	11.724
108	50	HDR unbiased	319.61	332.58	12.969
109	50	HDR unbiased	344.76	352.36	7.5944
110	50	HDR unbiased	325.95	326.78	0.8299
121	100	HDR biased	343.65	357.25	13.607
123	100	HDR biased	336.14	347.88	11.742
124	100	HDR biased	346.89	361.47	14.579
125	100	HDR biased	333.37	342.33	8.9537
126	100	HDR biased	328.73	352.26	23.532
127	50	HDR biased	341.43	344.5	3.0688
128	50	HDR biased	327.49	351.73	24.238
129	50	HDR biased	349.28	363.74	14.468
130	50	HDR biased	341.03	351.31	10.286
132	50	HDR biased	324.09	337.16	13.071
149	100	HDR unbiased	335.99	344.6	8.6149
150	100	HDR unbiased	323.99	322.82	-1.1674
151	100	HDR unbiased	347.94	370.49	22.552
152	100	HDR unbiased	333.07	355.45	22.378
153	100	HDR unbiased	322.02	335.96	13.938
164	30	HDR biased	342.69	352.42	9.7345
165	30	HDR biased	338.74	347.4	8.6569
166	30	HDR biased	346.91	359.01	12.098
168	30	HDR biased	344.71	345.54	0.8288
169	30	HDR biased	335.26	339.92	4.6682
170	10	HDR biased	327.76	324.8	-2.9581
171	10	HDR biased	318.71	321.32	2.6057
172	10	HDR biased	363.7	362.45	-1.2528
173	10	HDR biased	335.67	335.16	-0.5109
174	10	HDR biased	328.34	327.79	-0.5569
175	3	HDR biased	322.68	322.3	-0.381
176	3	HDR biased	326.49	323.83	-2.6579
178	3	HDR biased	323.1	320.98	-2.1145
179	3	HDR biased	314.46	312.04	-2.4146
180	3	HDR biased	347.83	347.36	-0.4757
187	0	correlation	322.83	321.44	-1.3873
188	0	correlation	336.02	334.49	-1.5249
189	0	correlation	321.96	320.55	-1.4116
190	0	correlation	313.61	312.14	-1.4766
191	0	correlation	330.64	329.33	-1.3133
192	0	correlation	318.79	317.54	-1.2444
193	0	correlation	340.34	339.19	-1.1497

Test Statistics (µA)

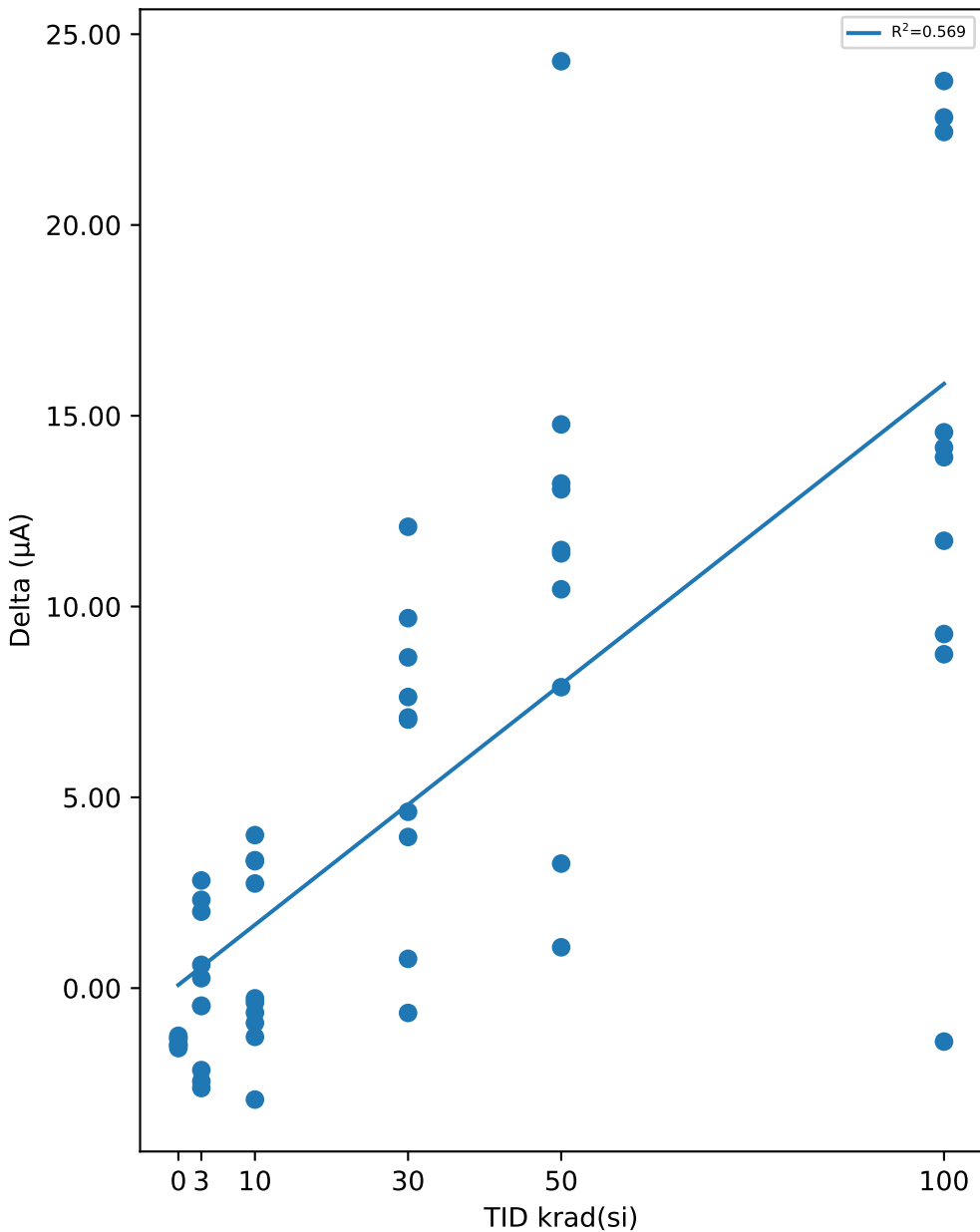
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	313.61	326.31	340.34	9.6495	312.14	324.95	339.19	9.6932	-1.5249	-1.3583	-1.1497	0.13162
3	314.46	332.13	352.74	12.521	312.04	332.09	354.78	13.839	-2.6579	-0.03578	2.9166	1.9755
10	318.71	334.8	363.7	11.977	321.32	335.46	362.45	11.942	-2.9581	0.66179	4.0573	2.4016
30	305.26	338.35	348.11	12.48	304.44	344.39	359.01	15.419	-0.8266	6.0435	12.098	3.9732
50	319.61	334.77	349.28	9.9747	326.78	345.78	363.74	10.942	0.8299	11.011	24.238	6.4563
100	322.02	335.18	347.94	8.951	322.82	349.05	370.49	13.575	-1.1674	13.873	23.532	7.6313

Device Test: 11.3 I_SHDN(ISHDN|SUPPLY/IN/5//0/0//@I_SHDN)

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 775.0 (µA))

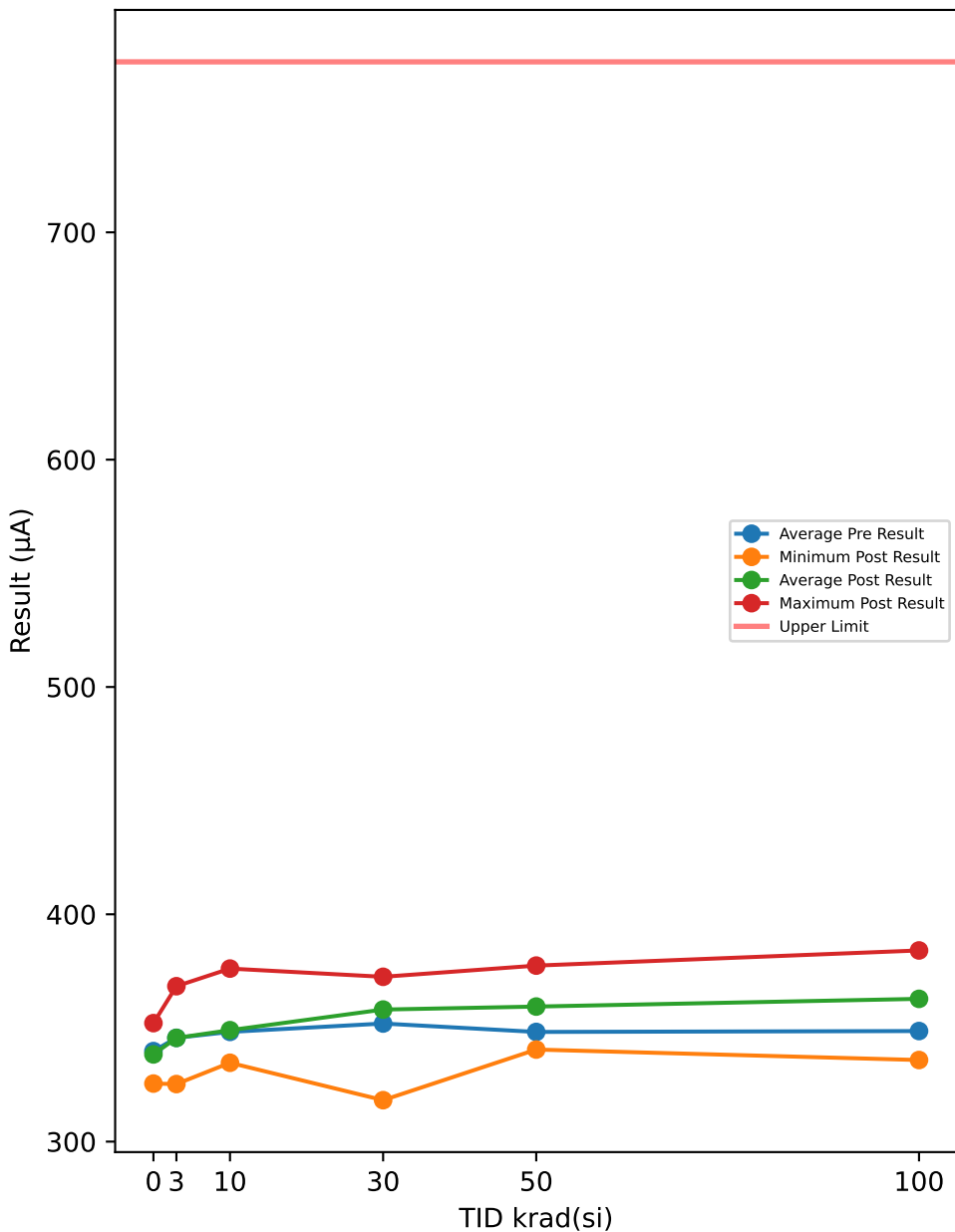
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	350.07	352.39	2.3135
55	3	HDR unbiased	330.32	330.93	0.6103
57	3	HDR unbiased	336.12	338.94	2.8215
58	3	HDR unbiased	357.13	359.14	2.0032
59	3	HDR unbiased	335.04	335.3	0.2596
82	10	HDR unbiased	338.75	342.76	4.0093
83	10	HDR unbiased	346.41	349.76	3.3514
84	10	HDR unbiased	331.99	331.72	-0.2678
85	10	HDR unbiased	339.06	342.38	3.3254
87	10	HDR unbiased	339.57	338.66	-0.913
94	30	HDR unbiased	309.67	309.02	-0.6508
95	30	HDR unbiased	348.85	356.48	7.6295
97	30	HDR unbiased	347.09	354.13	7.0376
98	30	HDR unbiased	339.22	343.18	3.9604
99	30	HDR unbiased	352.58	359.68	7.0931
105	50	HDR unbiased	338.66	350.05	11.394
107	50	HDR unbiased	344.45	355.93	11.481
108	50	HDR unbiased	323.95	337.18	13.225
109	50	HDR unbiased	349.07	356.96	7.8856
110	50	HDR unbiased	330.24	331.31	1.0698
121	100	HDR biased	348.07	361.99	13.912
123	100	HDR biased	340.49	352.22	11.724
124	100	HDR biased	351.42	365.99	14.567
125	100	HDR biased	337.81	347.09	9.2802
126	100	HDR biased	333.11	356.88	23.773
127	50	HDR biased	345.91	349.18	3.2638
128	50	HDR biased	331.96	356.25	24.291
129	50	HDR biased	353.6	368.37	14.773
130	50	HDR biased	345.32	355.77	10.452
132	50	HDR biased	328.39	341.46	13.071
149	100	HDR unbiased	340.37	349.12	8.75
150	100	HDR unbiased	328.23	326.83	-1.4014
151	100	HDR unbiased	352.19	375.01	22.82
152	100	HDR unbiased	337.34	359.77	22.436
153	100	HDR unbiased	326.44	340.61	14.167
164	30	HDR biased	347.06	356.76	9.6957
165	30	HDR biased	343.18	351.85	8.6684
166	30	HDR biased	351.26	363.35	12.091
168	30	HDR biased	349.19	349.96	0.7676
169	30	HDR biased	339.66	344.28	4.6212
170	10	HDR biased	332.15	329.23	-2.9215
171	10	HDR biased	323	325.74	2.7417
172	10	HDR biased	368.16	366.88	-1.2785
173	10	HDR biased	340.1	339.46	-0.6423
174	10	HDR biased	332.58	332.2	-0.3787
175	3	HDR biased	327.08	326.61	-0.4691
176	3	HDR biased	330.92	328.3	-2.6191
178	3	HDR biased	327.42	325.28	-2.1487
179	3	HDR biased	318.84	316.4	-2.4389
180	3	HDR biased	352.29	351.83	-0.4602
187	0	correlation	327.47	325.96	-1.5193
188	0	correlation	340.53	338.95	-1.5728
189	0	correlation	326.26	324.77	-1.492
190	0	correlation	317.87	316.42	-1.4511
191	0	correlation	335.13	333.8	-1.3266
192	0	correlation	323.1	321.8	-1.3024
193	0	correlation	344.58	343.33	-1.2505

Test Statistics (µA)

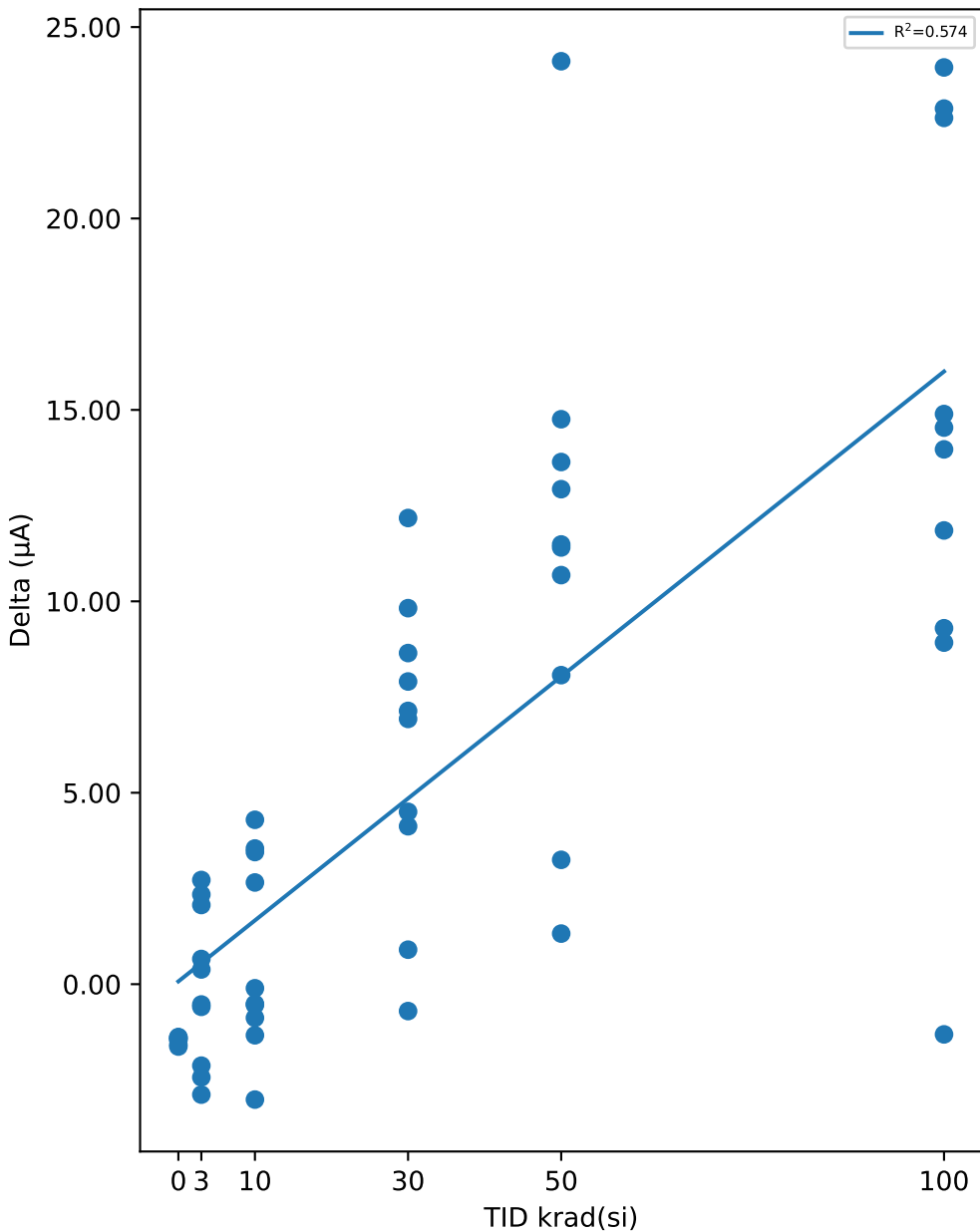
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	317.87	330.71	344.58	9.6727	316.42	329.29	343.33	9.6978	-1.5728	-1.4164	-1.2505	0.12285
3	318.84	336.52	357.13	12.535	316.4	336.51	359.14	13.878	-2.6191	-0.01279	2.8215	1.9894
10	323	339.18	368.16	12.016	325.74	339.88	366.88	11.933	-2.9215	0.7026	4.0093	2.417
30	309.67	342.78	352.58	12.481	309.02	348.87	363.35	15.37	-0.6508	6.0914	12.091	3.9496
50	323.95	339.16	353.6	9.9837	331.31	350.25	368.37	10.956	1.0698	11.091	24.291	6.4023
100	326.44	339.55	352.19	8.9704	326.83	353.55	375.01	13.665	-1.4014	14.003	23.773	7.7248

Device Test: 11.4 I_SHDN(ISHDN|SUPPLY/IN/7//0/0//@I_SHDN)

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 775.0 (µA))

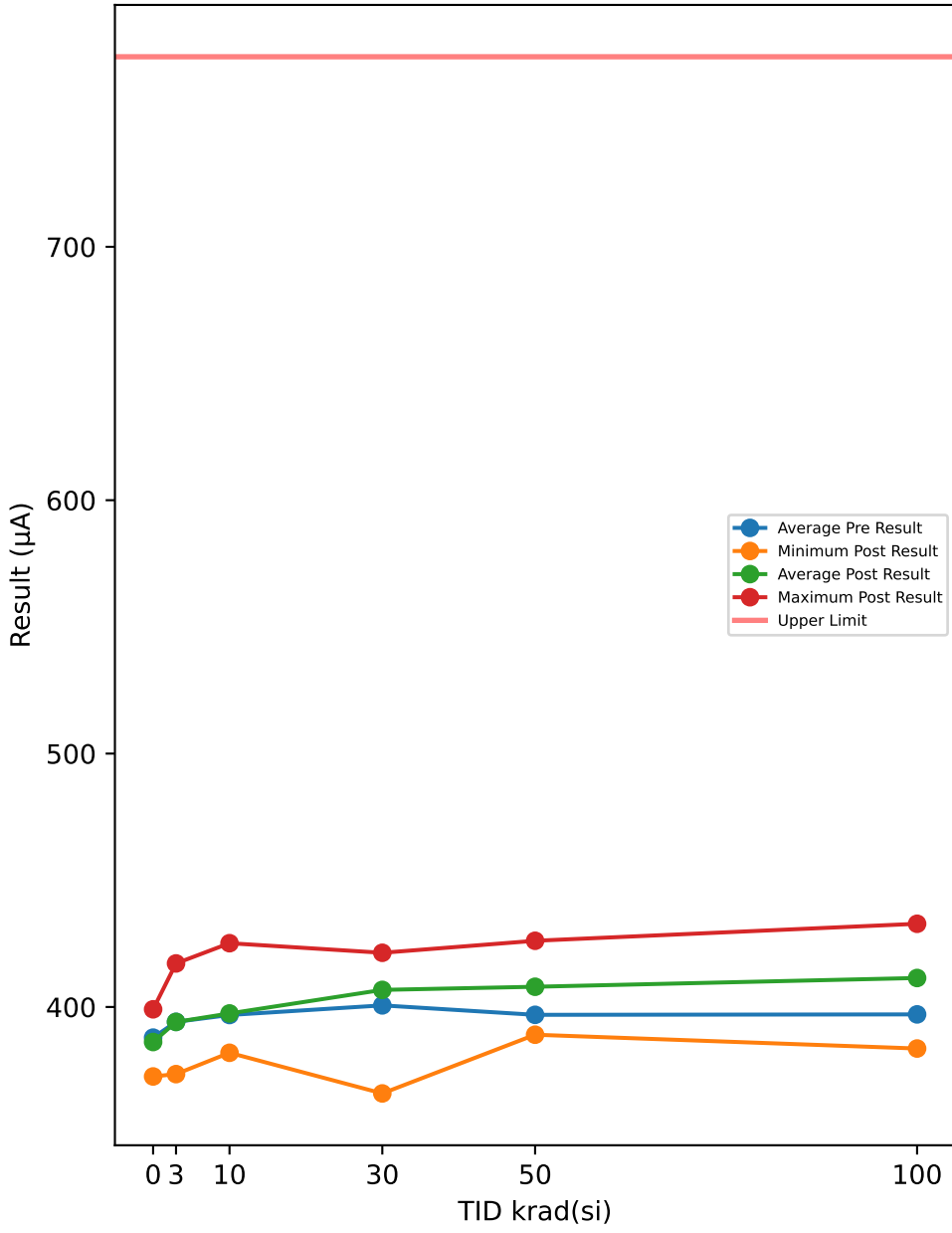
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	359.11	361.45	2.3421
55	3	HDR unbiased	339.65	340.31	0.6583
57	3	HDR unbiased	345.48	348.2	2.7213
58	3	HDR unbiased	366.3	368.37	2.0682
59	3	HDR unbiased	344.05	344.43	0.3846
82	10	HDR unbiased	347.71	352	4.2936
83	10	HDR unbiased	355.34	358.88	3.5439
84	10	HDR unbiased	341.27	341.16	-0.1065
85	10	HDR unbiased	348.09	351.54	3.4513
87	10	HDR unbiased	348.89	348.02	-0.8798
94	30	HDR unbiased	318.93	318.23	-0.7024
95	30	HDR unbiased	357.8	365.71	7.9059
97	30	HDR unbiased	356.23	363.37	7.1382
98	30	HDR unbiased	348.25	352.38	4.1247
99	30	HDR unbiased	361.89	368.82	6.9288
105	50	HDR unbiased	347.81	359.21	11.407
107	50	HDR unbiased	353.78	365.26	11.485
108	50	HDR unbiased	332.95	346.59	13.639
109	50	HDR unbiased	358.19	366.27	8.0719
110	50	HDR unbiased	339.18	340.5	1.3212
121	100	HDR biased	357.37	371.34	13.969
123	100	HDR biased	349.58	361.43	11.852
124	100	HDR biased	360.49	375.38	14.892
125	100	HDR biased	347	356.3	9.2973
126	100	HDR biased	342.17	366.12	23.945
127	50	HDR biased	355.14	358.39	3.248
128	50	HDR biased	340.95	365.06	24.107
129	50	HDR biased	362.68	377.43	14.757
130	50	HDR biased	354.21	364.89	10.685
132	50	HDR biased	337.63	350.56	12.93
149	100	HDR unbiased	349.53	358.45	8.9218
150	100	HDR unbiased	337.21	335.9	-1.3113
151	100	HDR unbiased	361.23	384.1	22.871
152	100	HDR unbiased	346.29	368.91	22.627
153	100	HDR unbiased	335.6	350.14	14.538
164	30	HDR biased	356.27	366.09	9.8216
165	30	HDR biased	352.29	360.94	8.649
166	30	HDR biased	360.33	372.51	12.176
168	30	HDR biased	358.37	359.27	0.9011
169	30	HDR biased	349.16	353.66	4.5018
170	10	HDR biased	341.04	338.03	-3.0143
171	10	HDR biased	332.03	334.69	2.6566
172	10	HDR biased	377.46	376.12	-1.3347
173	10	HDR biased	349.27	348.75	-0.5155
174	10	HDR biased	341.63	341.09	-0.5414
175	3	HDR biased	336.01	335.42	-0.5917
176	3	HDR biased	340.21	337.33	-2.8848
178	3	HDR biased	336.43	334.3	-2.128
179	3	HDR biased	327.75	325.32	-2.4327
180	3	HDR biased	361.6	361.07	-0.5302
187	0	correlation	336.71	335.13	-1.5789
188	0	correlation	349.77	348.14	-1.6294
189	0	correlation	335.33	333.88	-1.4518
190	0	correlation	326.98	325.54	-1.4434
191	0	correlation	344.3	342.9	-1.3995
192	0	correlation	332.18	330.8	-1.3806
193	0	correlation	353.53	352.13	-1.3931

Test Statistics (µA)

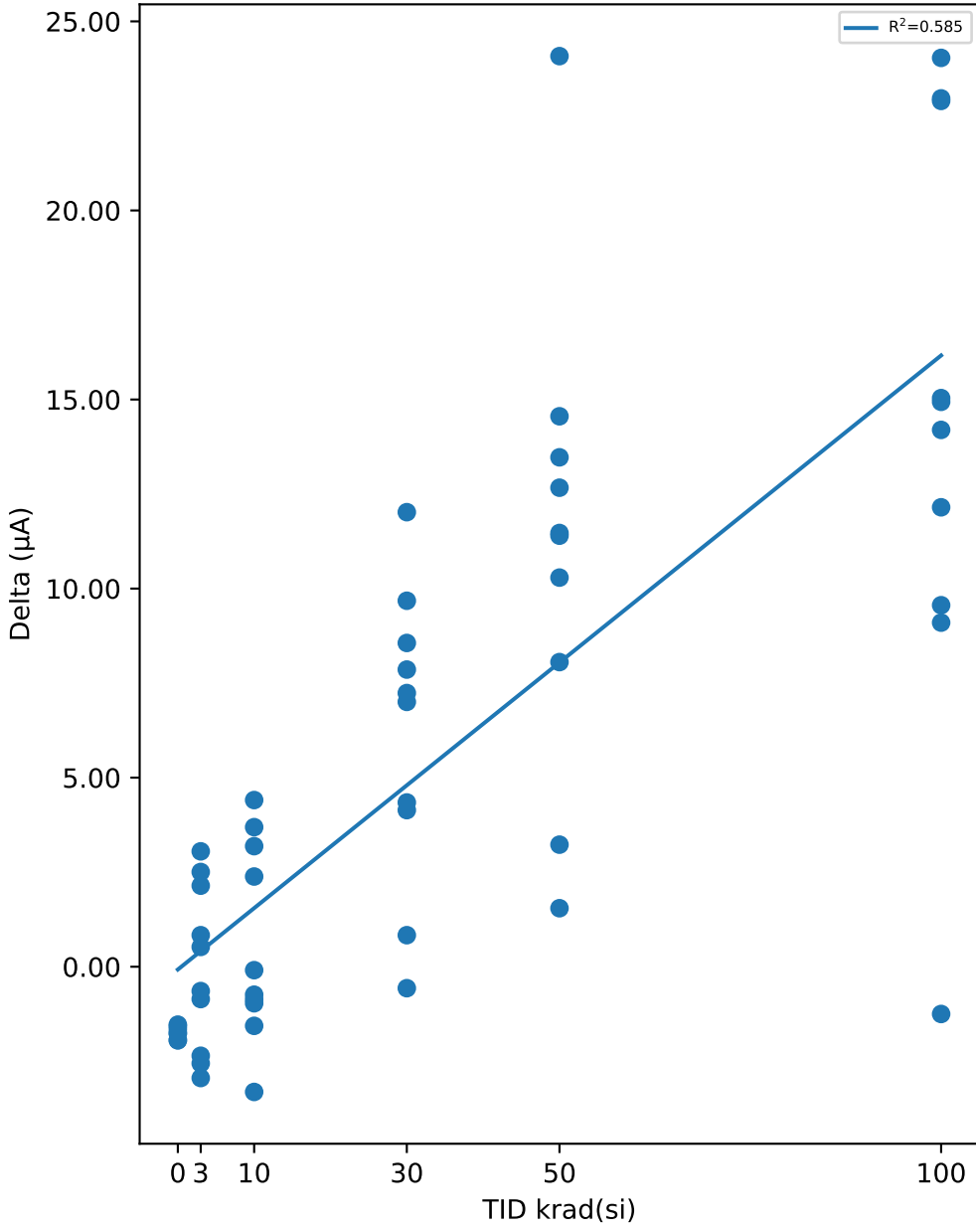
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	326.98	339.83	353.53	9.6596	325.54	338.36	352.13	9.6431	-1.6294	-1.4681	-1.3806	0.097602
3	327.75	345.66	366.3	12.599	325.32	345.62	368.37	13.97	-2.8848	-0.03929	2.7213	2.0313
10	332.03	348.27	377.46	12.077	334.69	349.03	376.12	12.014	-3.0143	0.75532	4.2936	2.5049
30	318.93	351.95	361.89	12.442	318.23	358.1	372.51	15.36	-0.7024	6.1445	12.176	3.9726
50	332.95	348.25	362.68	10.018	340.5	359.42	377.43	10.901	1.3212	11.165	24.107	6.3173
100	335.6	348.65	361.23	8.9907	335.9	362.81	384.1	13.664	-1.3113	14.16	23.945	7.7446

Device Test: 11.5 I_SHDN(ISHDN|SUPPLY/IN/12//0/0//@I_SHDN)

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 775.0 (µA))

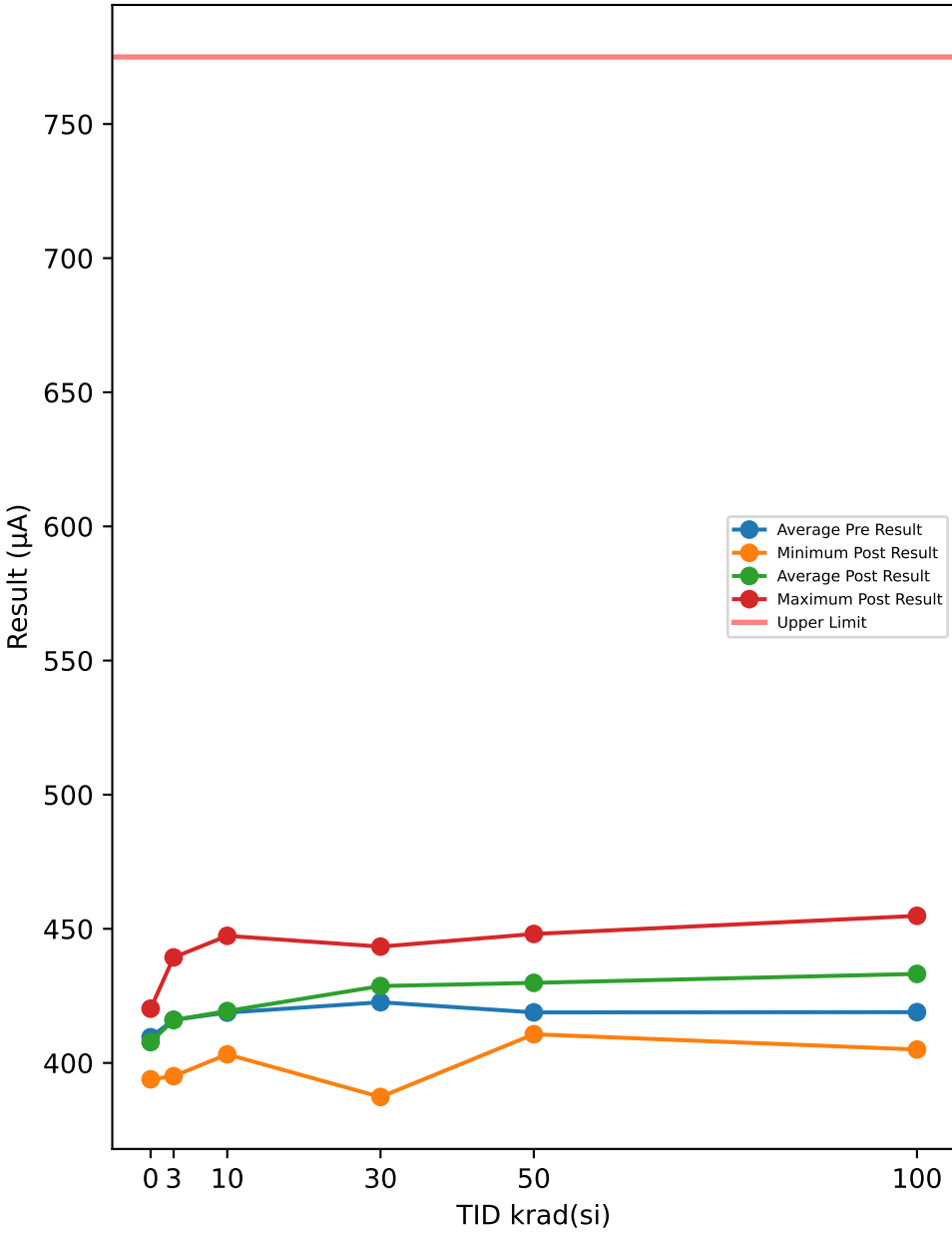
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	407.56	410.07	2.5053
55	3	HDR unbiased	388.34	389.18	0.8345
57	3	HDR unbiased	393.92	396.97	3.0512
58	3	HDR unbiased	415.04	417.19	2.1436
59	3	HDR unbiased	391.01	391.53	0.5236
82	10	HDR unbiased	396.18	400.59	4.4074
83	10	HDR unbiased	403.89	407.58	3.6909
84	10	HDR unbiased	390.2	390.11	-0.091
85	10	HDR unbiased	397.21	400.4	3.1884
87	10	HDR unbiased	398.05	397.08	-0.9669
94	30	HDR unbiased	366.45	365.88	-0.5676
95	30	HDR unbiased	406.03	413.89	7.8583
97	30	HDR unbiased	405.17	412.41	7.2371
98	30	HDR unbiased	397.06	401.2	4.1414
99	30	HDR unbiased	410.9	417.9	7.0034
105	50	HDR unbiased	396.48	407.95	11.47
107	50	HDR unbiased	403.47	414.87	11.399
108	50	HDR unbiased	380.72	394.2	13.471
109	50	HDR unbiased	407.28	415.33	8.0558
110	50	HDR unbiased	387.51	389.05	1.5474
121	100	HDR biased	406.12	420.31	14.197
123	100	HDR biased	397.14	409.29	12.149
124	100	HDR biased	409.9	424.93	15.038
125	100	HDR biased	396.1	405.66	9.5602
126	100	HDR biased	390.12	414.15	24.035
127	50	HDR biased	404.31	407.54	3.228
128	50	HDR biased	390.01	414.09	24.081
129	50	HDR biased	411.57	426.13	14.557
130	50	HDR biased	402.59	412.88	10.29
132	50	HDR biased	385.09	397.76	12.668
149	100	HDR unbiased	398.18	407.28	9.0996
150	100	HDR unbiased	384.85	383.6	-1.2499
151	100	HDR unbiased	409.87	432.83	22.963
152	100	HDR unbiased	394.01	416.9	22.896
153	100	HDR unbiased	384.48	399.42	14.939
164	30	HDR biased	404.85	414.52	9.6782
165	30	HDR biased	400.77	409.33	8.5618
166	30	HDR biased	409.37	421.39	12.021
168	30	HDR biased	407.24	408.07	0.8343
169	30	HDR biased	398.5	402.84	4.3437
170	10	HDR biased	388.96	385.64	-3.3115
171	10	HDR biased	379.54	381.92	2.3854
172	10	HDR biased	426.73	425.17	-1.5635
173	10	HDR biased	398.44	397.58	-0.8629
174	10	HDR biased	389.17	388.43	-0.7396
175	3	HDR biased	384	383.15	-0.8554
176	3	HDR biased	389.16	386.22	-2.9433
178	3	HDR biased	384.7	382.35	-2.3548
179	3	HDR biased	376.06	373.5	-2.556
180	3	HDR biased	411.44	410.8	-0.6437
187	0	correlation	385.87	383.93	-1.9403
188	0	correlation	398.81	396.86	-1.9474
189	0	correlation	382.81	381.16	-1.6517
190	0	correlation	374.34	372.58	-1.7641
191	0	correlation	393.09	391.33	-1.754
192	0	correlation	379.81	378.25	-1.5687
193	0	correlation	400.61	399.08	-1.5314

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	374.34	387.91	400.61	9.8881	372.58	386.17	399.08	9.8762	-1.9474	-1.7368	-1.5314	0.16558
3	376.06	394.12	415.04	12.925	373.5	394.09	417.19	14.338	-2.9433	-0.0295	3.0512	2.1866
10	379.54	396.84	426.73	12.528	381.92	397.45	425.17	12.497	-3.3115	0.61367	4.4074	2.5988
30	366.45	400.63	410.9	12.817	365.88	406.74	421.39	15.658	-0.5676	6.1111	12.021	3.9189
50	380.72	396.9	411.57	10.49	389.05	407.98	426.13	11.279	1.5474	11.077	24.081	6.253
100	384.48	397.07	409.9	9.2969	383.6	411.44	432.83	13.866	-1.2499	14.363	24.035	7.75

Device Test: 11.6 I_SHDN(ISHDN|SUPPLY/IN/14//0/0//@I_SHDN)

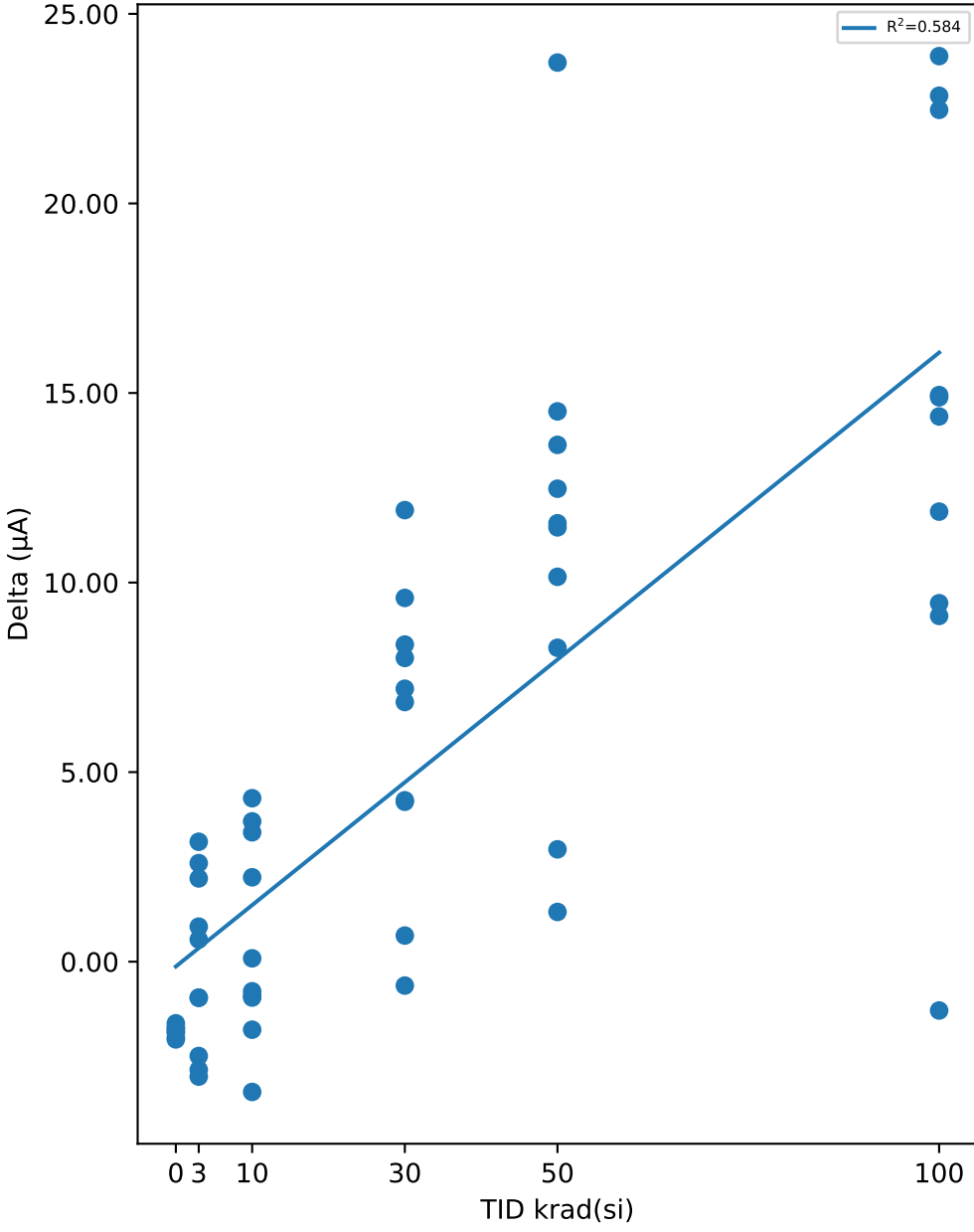
TID vs Result Stats



Test Results (Upper Limit = 775.0 (µA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	429.44	432.04	2.5994
55	3	HDR unbiased	410.4	411.33	0.9239
57	3	HDR unbiased	415.84	419.01	3.1627
58	3	HDR unbiased	437.13	439.32	2.1958
59	3	HDR unbiased	412.27	412.85	0.5853
82	10	HDR unbiased	418.11	422.42	4.3117
83	10	HDR unbiased	425.83	429.53	3.7
84	10	HDR unbiased	412.13	412.22	0.0881
85	10	HDR unbiased	419.28	422.69	3.4121
87	10	HDR unbiased	420.16	419.38	-0.7812
94	30	HDR unbiased	387.94	387.31	-0.6304
95	30	HDR unbiased	427.87	435.88	8.0111
97	30	HDR unbiased	427.36	434.56	7.1989
98	30	HDR unbiased	418.95	423.17	4.2177
99	30	HDR unbiased	433.1	439.95	6.849
105	50	HDR unbiased	418.48	429.94	11.456
107	50	HDR unbiased	425.81	437.37	11.563
108	50	HDR unbiased	402.26	415.89	13.631
109	50	HDR unbiased	429.4	437.68	8.2793
110	50	HDR unbiased	409.38	410.7	1.3117
121	100	HDR biased	428.14	442.52	14.381
123	100	HDR biased	418.64	430.51	11.871
124	100	HDR biased	432.12	447.06	14.945
125	100	HDR biased	418.18	427.64	9.4553
126	100	HDR biased	411.69	435.58	23.885
127	50	HDR biased	426.53	429.49	2.9633
128	50	HDR biased	412.21	435.93	23.716
129	50	HDR biased	433.56	448.07	14.515
130	50	HDR biased	424.39	434.55	10.152
132	50	HDR biased	406.43	418.9	12.475
149	100	HDR unbiased	420.16	429.28	9.12
150	100	HDR unbiased	406.28	405	-1.2883
151	100	HDR unbiased	431.99	454.83	22.841
152	100	HDR unbiased	415.55	438.02	22.468
153	100	HDR unbiased	406.52	421.4	14.887
164	30	HDR biased	426.82	436.42	9.5945
165	30	HDR biased	422.65	431.02	8.3643
166	30	HDR biased	431.45	443.36	11.911
168	30	HDR biased	429.34	430.03	0.6884
169	30	HDR biased	420.69	424.95	4.2572
170	10	HDR biased	410.59	407.16	-3.4364
171	10	HDR biased	400.98	403.2	2.2253
172	10	HDR biased	449.17	447.38	-1.7947
173	10	HDR biased	420.69	419.79	-0.8952
174	10	HDR biased	410.65	409.71	-0.9468
175	3	HDR biased	405.77	404.81	-0.9541
176	3	HDR biased	411.28	408.25	-3.0317
178	3	HDR biased	406.5	404.01	-2.4883
179	3	HDR biased	397.91	395.06	-2.8496
180	3	HDR biased	434.07	433.13	-0.9474
187	0	correlation	407.99	405.98	-2.0064
188	0	correlation	420.93	418.88	-2.0504
189	0	correlation	404.24	402.38	-1.8572
190	0	correlation	395.65	393.88	-1.7608
191	0	correlation	415.07	413.21	-1.8567
192	0	correlation	401.34	399.61	-1.7353
193	0	correlation	421.85	420.22	-1.6261

TID vs Post - Pre Exposure Delta

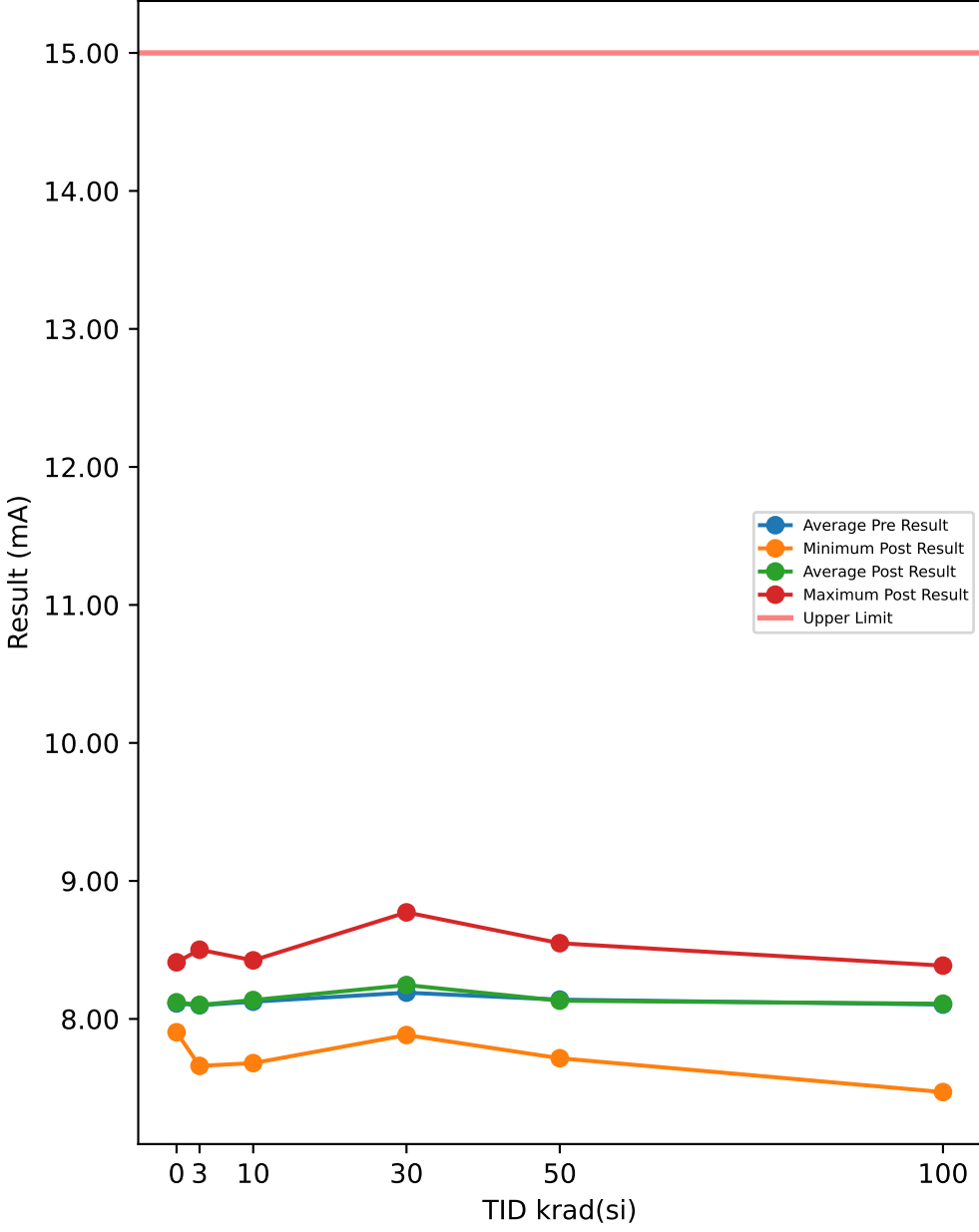


Test Statistics (µA)

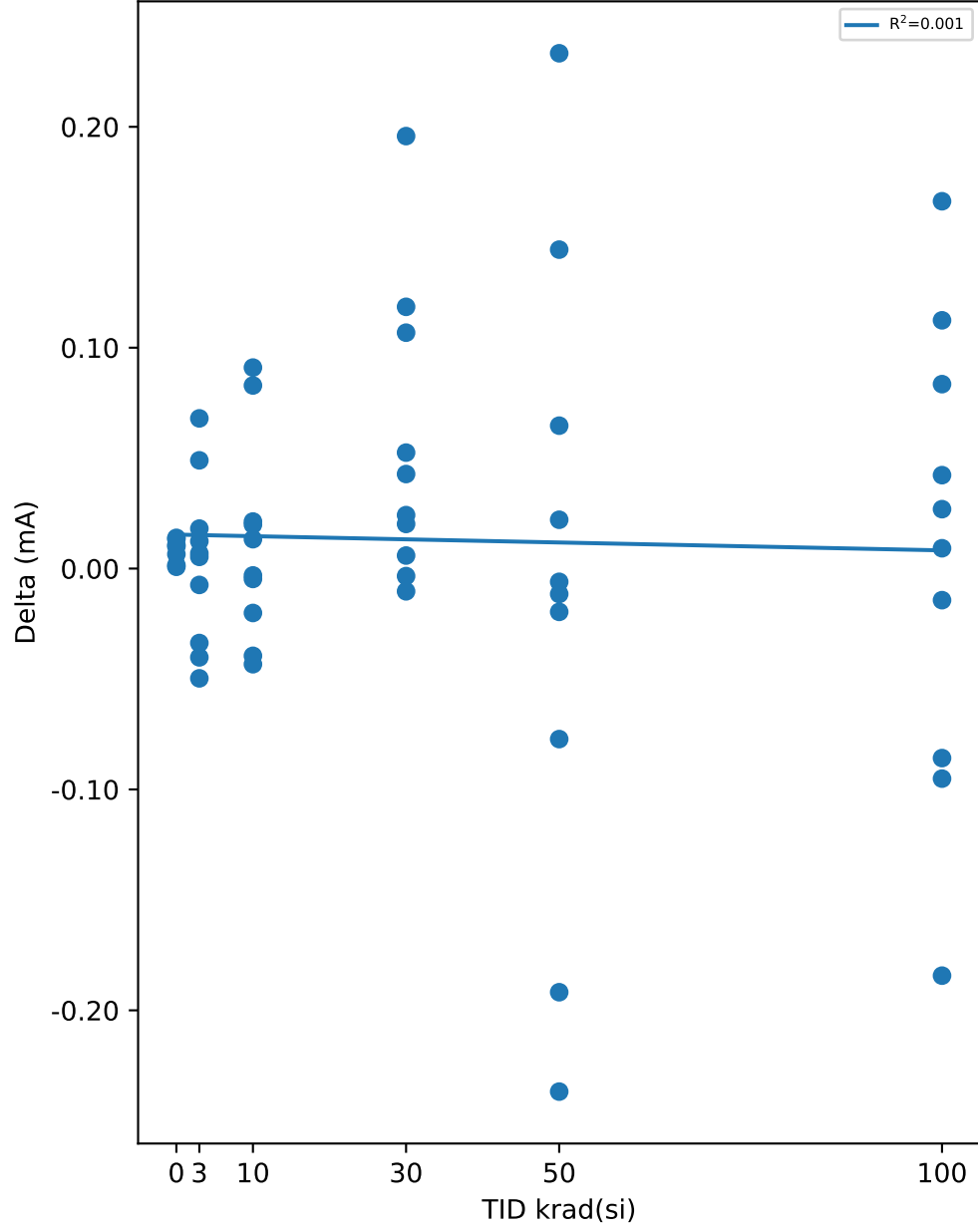
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	395.65	409.58	421.85	10.022	393.88	407.74	420.22	9.999	-2.0504	-1.8418	-1.6261	0.15028
3	397.91	416.06	437.13	13.095	395.06	415.98	439.32	14.54	-3.0317	-0.0804	3.1627	2.31
10	400.98	418.76	449.17	12.797	403.2	419.35	447.38	12.751	-3.4364	0.58829	4.3117	2.6407
30	387.94	422.62	433.1	12.998	387.31	428.66	443.36	15.818	-0.6304	6.0462	11.911	3.916
50	402.26	418.84	433.56	10.693	410.7	429.85	448.07	11.502	1.3117	11.006	23.716	6.2382
100	406.28	418.93	432.12	9.4825	405	433.18	454.83	14	-1.2883	14.256	23.885	7.6847

Device Test: 11.7 I_Q(IQ|SUPPLY/IN/2.25/0.6/7/0//@I_Q)

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 15.0 (mA))

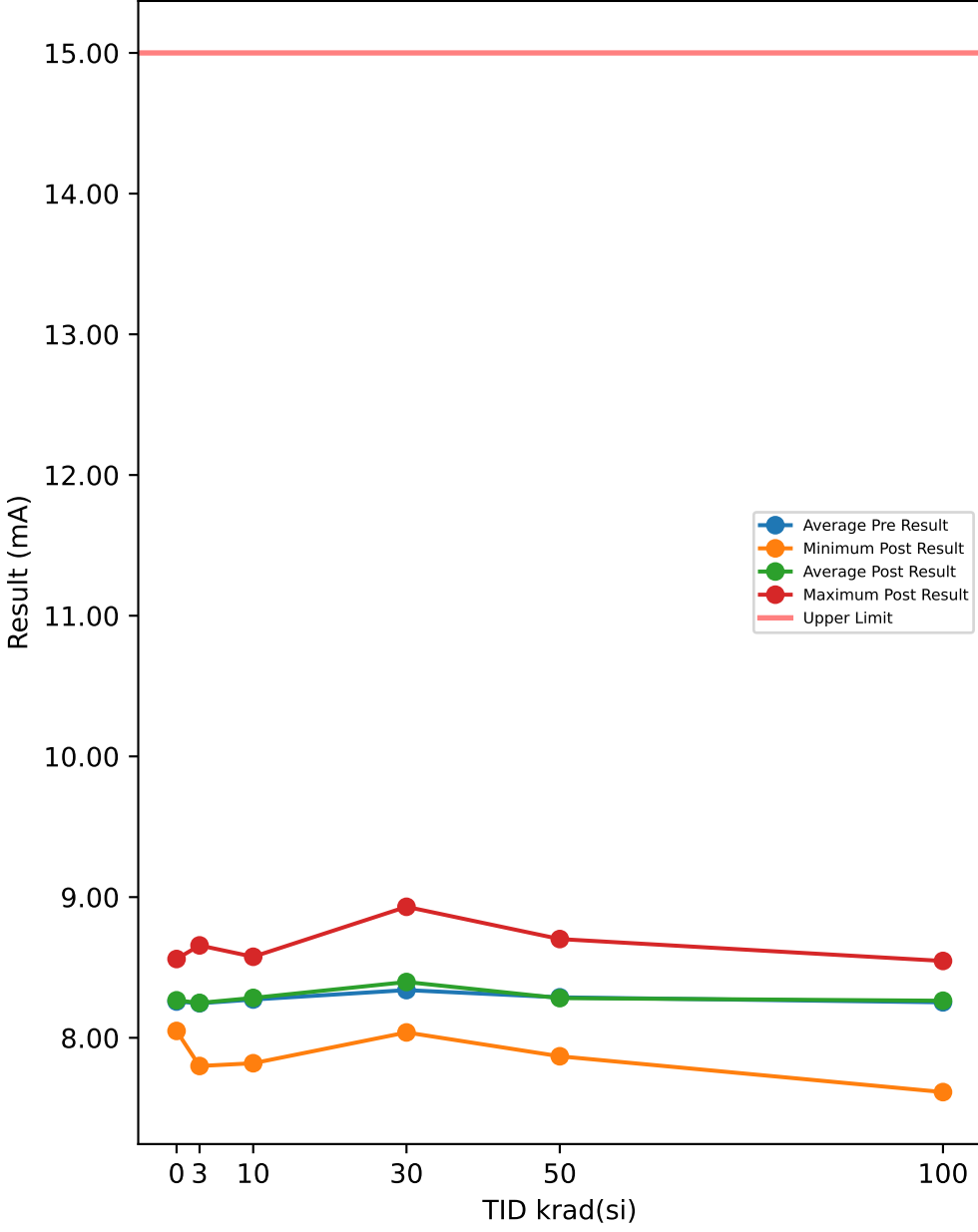
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	8.1045	8.0643	-0.0402
55	3	HDR unbiased	8.4963	8.5016	0.0053
57	3	HDR unbiased	8.0347	8.0273	-0.0074
58	3	HDR unbiased	8.1553	8.2043	0.049
59	3	HDR unbiased	7.9652	7.9315	-0.0337
82	10	HDR unbiased	8.2711	8.291	0.0199
83	10	HDR unbiased	8.392	8.3719	-0.0201
84	10	HDR unbiased	7.947	7.9423	-0.0047
85	10	HDR unbiased	8.2994	8.3127	0.0133
87	10	HDR unbiased	8.464	8.4245	-0.0395
94	30	HDR unbiased	8.2454	8.2513	0.0059
95	30	HDR unbiased	8.2435	8.3503	0.1068
97	30	HDR unbiased	8.5312	8.5209	-0.0103
98	30	HDR unbiased	7.8605	8.0563	0.1958
99	30	HDR unbiased	8.2263	8.2505	0.0242
105	50	HDR unbiased	8.2192	8.0274	-0.1918
107	50	HDR unbiased	8.4925	8.481	-0.0115
108	50	HDR unbiased	7.7924	7.7152	-0.0772
109	50	HDR unbiased	8.0442	7.8074	-0.2368
110	50	HDR unbiased	8.0728	8.1375	0.0647
121	100	HDR biased	8.2932	8.3355	0.0423
123	100	HDR biased	7.931	7.9579	0.0269
124	100	HDR biased	8.3907	8.3764	-0.0143
125	100	HDR biased	8.1923	8.2015	0.0092
126	100	HDR biased	7.3575	7.4699	0.1124
127	50	HDR biased	8.2581	8.2521	-0.006
128	50	HDR biased	8.1502	8.2946	0.1444
129	50	HDR biased	8.3155	8.5488	0.2333
130	50	HDR biased	7.9847	8.0068	0.0221
132	50	HDR biased	8.0693	8.0497	-0.0196
149	100	HDR unbiased	7.9151	7.9986	0.0835
150	100	HDR unbiased	8.1587	7.9744	-0.1843
151	100	HDR unbiased	8.4814	8.3863	-0.0951
152	100	HDR unbiased	8.1524	8.3187	0.1663
153	100	HDR unbiased	8.1694	8.0836	-0.0858
164	30	HDR biased	8.6537	8.7722	0.1185
165	30	HDR biased	7.9333	7.9535	0.0202
166	30	HDR biased	8.2686	8.2652	-0.0034
168	30	HDR biased	7.8405	7.8833	0.0428
169	30	HDR biased	8.1001	8.1526	0.0525
170	10	HDR biased	8.1182	8.0749	-0.0433
171	10	HDR biased	7.8051	7.8264	0.0213
172	10	HDR biased	8.1022	8.1851	0.0829
173	10	HDR biased	8.1691	8.2601	0.091
174	10	HDR biased	7.683	7.6799	-0.0031
175	3	HDR biased	8.1051	8.1232	0.0181
176	3	HDR biased	7.7095	7.6598	-0.0497
178	3	HDR biased	8.0663	8.0732	0.0069
179	3	HDR biased	8.0243	8.0367	0.0124
180	3	HDR biased	8.3269	8.3949	0.068
187	0	correlation	7.9319	7.9327	0.0008
188	0	correlation	8.1998	8.2132	0.0134
189	0	correlation	7.9018	7.9034	0.0016
190	0	correlation	8.3288	8.3353	0.0065
191	0	correlation	8.3996	8.4103	0.0107
192	0	correlation	8.0457	8.0596	0.0139
193	0	correlation	7.9789	7.9889	0.01

Test Statistics (mA)

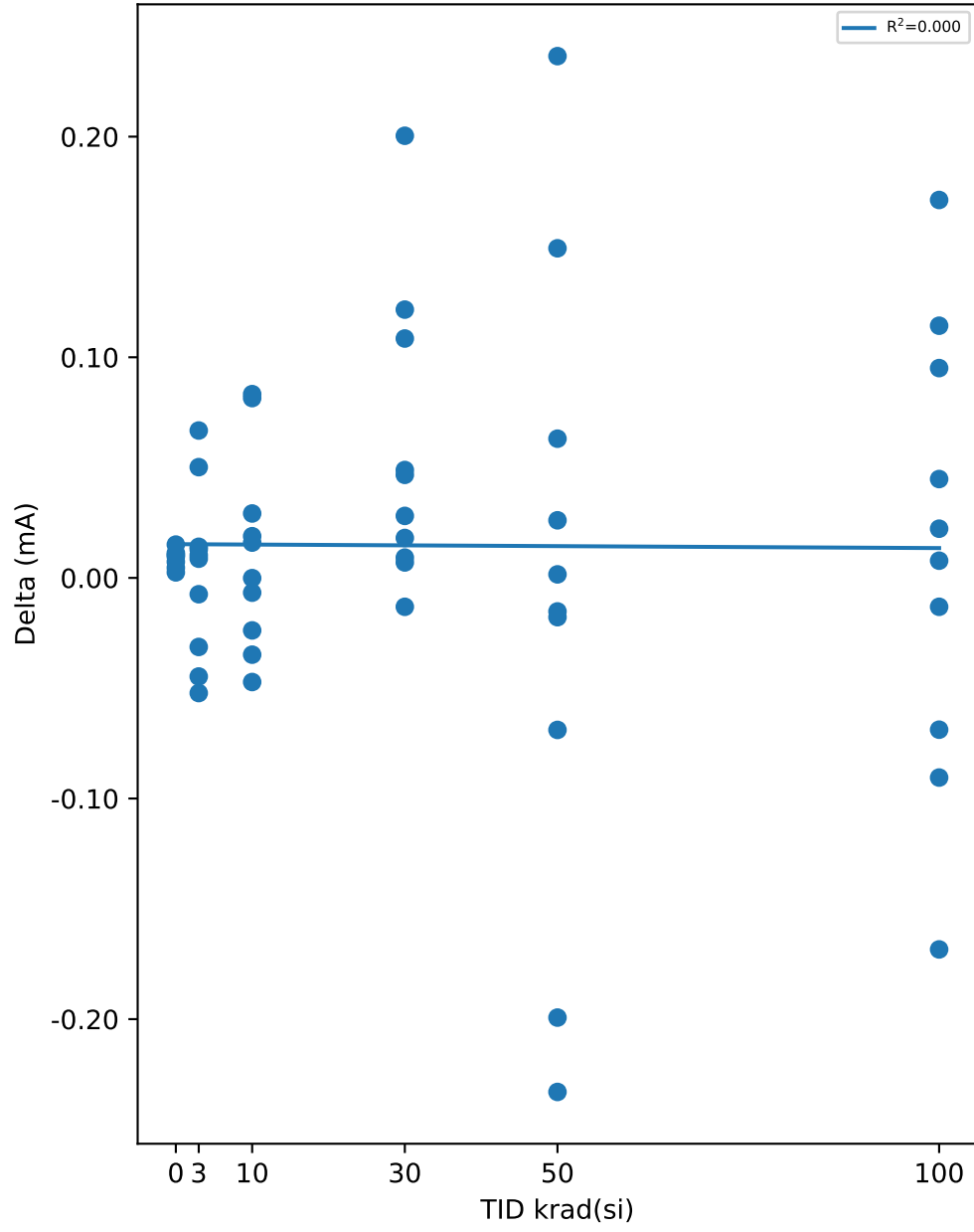
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.9018	8.1124	8.3996	0.19839	7.9034	8.1205	8.4103	0.20089	0.0008	0.0081286	0.0139	0.0053259
3	7.7095	8.0988	8.4963	0.20908	7.6598	8.1017	8.5016	0.23407	-0.0497	0.00287	0.068	0.037677
10	7.683	8.1251	8.464	0.25163	7.6799	8.1369	8.4245	0.24879	-0.0433	0.01177	0.091	0.045541
30	7.8405	8.1903	8.6537	0.26865	7.8833	8.2456	8.7722	0.26364	-0.0103	0.0553	0.1958	0.065777
50	7.7924	8.1399	8.4925	0.19408	7.7152	8.132	8.5488	0.26851	-0.2368	-0.00784	0.2333	0.14092
100	7.3575	8.1042	8.4814	0.31635	7.4699	8.1103	8.3863	0.28175	-0.1843	0.00611	0.1663	0.10544

Device Test: 11.9 I_Q(IQ|SUPPLY/IN/14/0.6/7/0//@I_Q)

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 15.0 (mA))

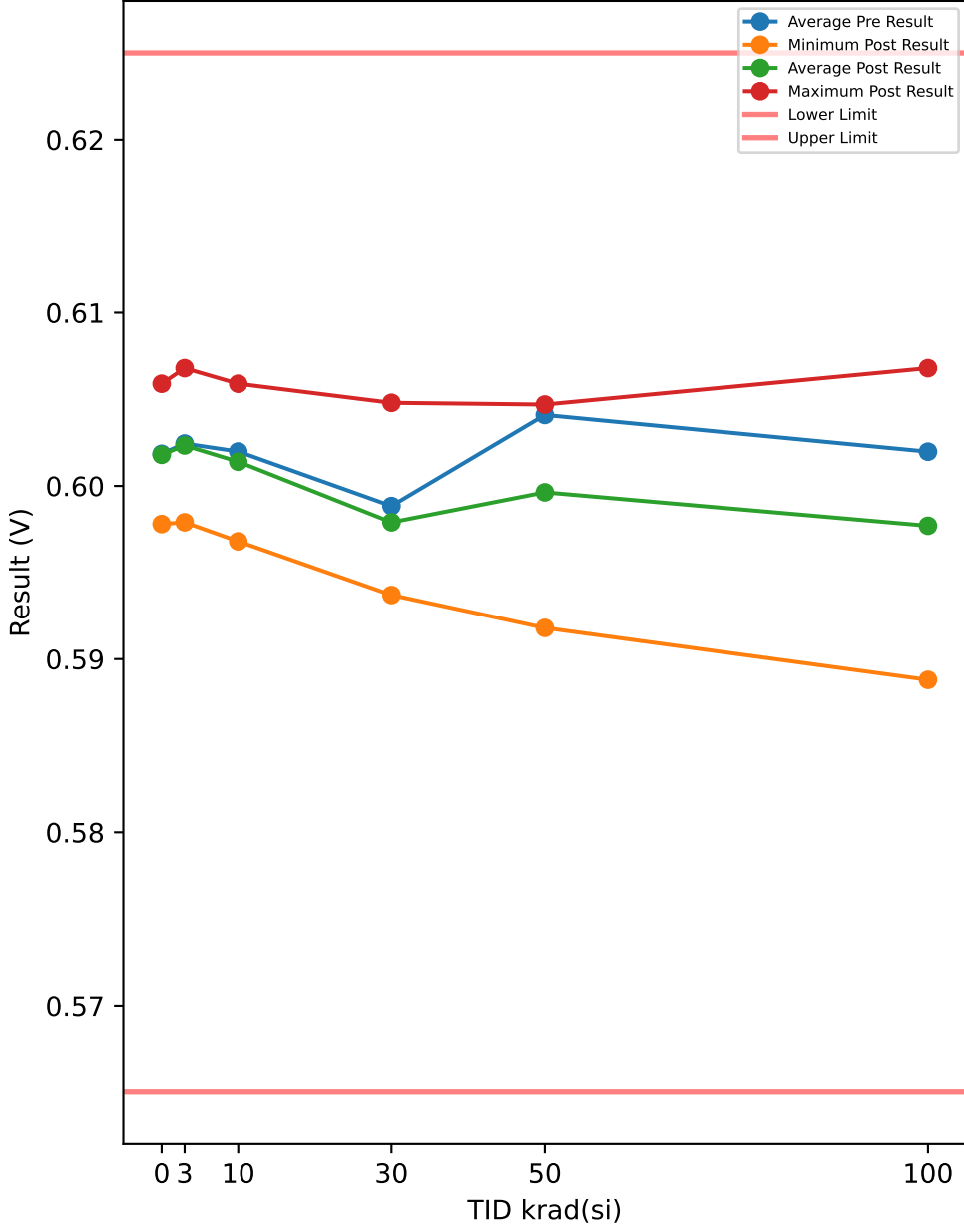
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	8.2484	8.2037	-0.0447
55	3	HDR unbiased	8.648	8.6567	0.0087
57	3	HDR unbiased	8.1822	8.1748	-0.0074
58	3	HDR unbiased	8.3025	8.3527	0.0502
59	3	HDR unbiased	8.1047	8.0734	-0.0313
82	10	HDR unbiased	8.4213	8.4373	0.016
83	10	HDR unbiased	8.5442	8.5204	-0.0238
84	10	HDR unbiased	8.0966	8.0899	-0.0067
85	10	HDR unbiased	8.4436	8.4625	0.0189
87	10	HDR unbiased	8.6107	8.5759	-0.0348
94	30	HDR unbiased	8.394	8.401	0.007
95	30	HDR unbiased	8.387	8.4955	0.1085
97	30	HDR unbiased	8.6879	8.6748	-0.0131
98	30	HDR unbiased	8.0026	8.203	0.2004
99	30	HDR unbiased	8.3747	8.4028	0.0281
105	50	HDR unbiased	8.3676	8.1683	-0.1993
107	50	HDR unbiased	8.6513	8.6335	-0.0178
108	50	HDR unbiased	7.9375	7.8686	-0.0689
109	50	HDR unbiased	8.1919	7.9589	-0.233
110	50	HDR unbiased	8.2198	8.2829	0.0631
121	100	HDR biased	8.4433	8.4881	0.0448
123	100	HDR biased	8.0748	8.0971	0.0223
124	100	HDR biased	8.5424	8.5293	-0.0131
125	100	HDR biased	8.3459	8.3537	0.0078
126	100	HDR biased	7.4998	7.6141	0.1143
127	50	HDR biased	8.407	8.4086	0.0016
128	50	HDR biased	8.2953	8.4447	0.1494
129	50	HDR biased	8.4654	8.7019	0.2365
130	50	HDR biased	8.1292	8.1553	0.0261
132	50	HDR biased	8.2125	8.1973	-0.0152
149	100	HDR unbiased	8.0683	8.1634	0.0951
150	100	HDR unbiased	8.3016	8.1332	-0.1684
151	100	HDR unbiased	8.6367	8.5462	-0.0905
152	100	HDR unbiased	8.2927	8.464	0.1713
153	100	HDR unbiased	8.3141	8.2453	-0.0688
164	30	HDR biased	8.8095	8.9311	0.1216
165	30	HDR biased	8.0778	8.0959	0.0181
166	30	HDR biased	8.4159	8.4251	0.0092
168	30	HDR biased	7.9892	8.0381	0.0489
169	30	HDR biased	8.2515	8.2982	0.0467
170	10	HDR biased	8.2677	8.2205	-0.0472
171	10	HDR biased	7.9478	7.977	0.0292
172	10	HDR biased	8.2498	8.3313	0.0815
173	10	HDR biased	8.3183	8.4016	0.0833
174	10	HDR biased	7.8193	7.8192	-0.0001
175	3	HDR biased	8.2569	8.271	0.0141
176	3	HDR biased	7.8518	7.7996	-0.0522
178	3	HDR biased	8.2084	8.2213	0.0129
179	3	HDR biased	8.1694	8.1797	0.0103
180	3	HDR biased	8.4798	8.5466	0.0668
187	0	correlation	8.0807	8.0832	0.0025
188	0	correlation	8.3468	8.3619	0.0151
189	0	correlation	8.0442	8.0488	0.0046
190	0	correlation	8.4729	8.4842	0.0113
191	0	correlation	8.5503	8.56	0.0097
192	0	correlation	8.1873	8.1977	0.0104
193	0	correlation	8.1215	8.1288	0.0073

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	8.0442	8.2577	8.5503	0.20012	8.0488	8.2664	8.56	0.20303	0.0025	0.0087	0.0151	0.0042587
3	7.8518	8.2452	8.648	0.21247	7.7996	8.2479	8.6567	0.2385	-0.0522	0.00274	0.0668	0.038314
10	7.8193	8.2719	8.6107	0.25474	7.8192	8.2836	8.5759	0.25045	-0.0472	0.01163	0.0833	0.044403
30	7.9892	8.339	8.8095	0.27224	8.0381	8.3966	8.9311	0.26663	-0.0131	0.05754	0.2004	0.066337
50	7.9375	8.2877	8.6513	0.19767	7.8686	8.282	8.7019	0.26953	-0.233	-0.00575	0.2365	0.14216
100	7.4998	8.252	8.6367	0.31914	7.6141	8.2634	8.5462	0.28404	-0.1684	0.01148	0.1713	0.10228

Device Test: 13.1 VIH_EN(THRESHOLD)RISE/EN/2.25/0.6//10//@VIH_EN

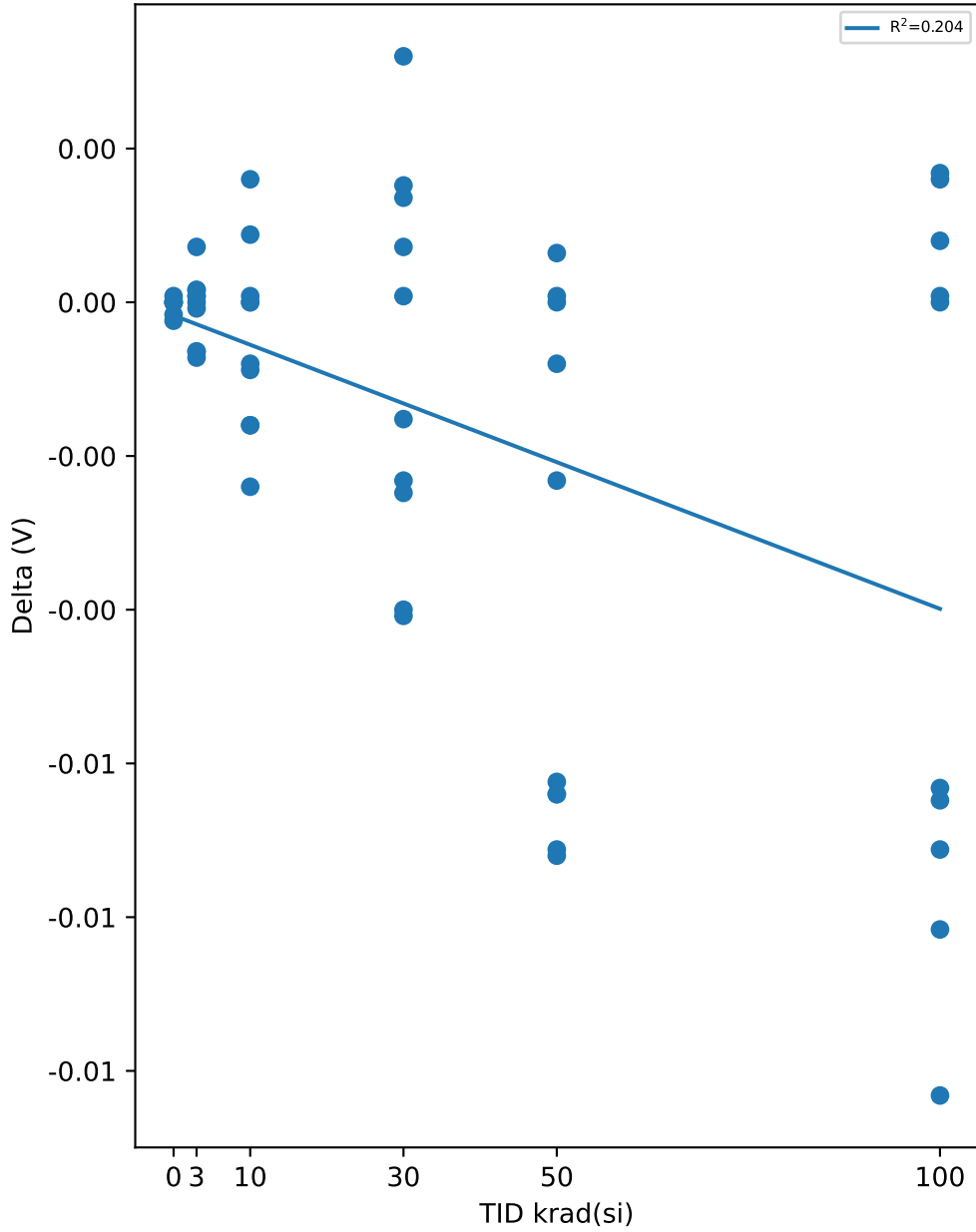
TID vs Result Stats



Test Results (Lower Limit = 0.565, Upper Limit = 0.625 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.6028	0.6028	0
55	3	HDR unbiased	0.6048	0.6057	0.0009
57	3	HDR unbiased	0.5978	0.598	0.0002
58	3	HDR unbiased	0.6067	0.6068	0.0001
59	3	HDR unbiased	0.6037	0.6039	0.0002
82	10	HDR unbiased	0.6037	0.6048	0.0011
83	10	HDR unbiased	0.5989	0.5978	-0.0011
84	10	HDR unbiased	0.6048	0.6038	-0.001
85	10	HDR unbiased	0.5988	0.6008	0.002
87	10	HDR unbiased	0.6039	0.6039	0
94	30	HDR unbiased	0.5969	0.5988	0.0019
95	30	HDR unbiased	0.5958	0.5959	0.0001
97	30	HDR unbiased	0.6039	0.6048	0.0009
98	30	HDR unbiased	0.5959	0.5999	0.004
99	30	HDR unbiased	0.5969	0.5986	0.0017
105	50	HDR unbiased	0.6029	0.6029	0
107	50	HDR unbiased	0.6029	0.6019	-0.001
108	50	HDR unbiased	0.6039	0.6047	0.0008
109	50	HDR unbiased	0.6028	0.5999	-0.0029
110	50	HDR unbiased	0.6038	0.6039	0.0001
121	100	HDR biased	0.6017	0.5888	-0.0129
123	100	HDR biased	0.6009	0.5907	-0.0102
124	100	HDR biased	0.6037	0.5958	-0.0079
125	100	HDR biased	0.6037	0.5956	-0.0081
126	100	HDR biased	0.6027	0.5938	-0.0089
127	50	HDR biased	0.5998	0.5918	-0.008
128	50	HDR biased	0.6027	0.5938	-0.0089
129	50	HDR biased	0.6058	0.5978	-0.008
130	50	HDR biased	0.6067	0.5989	-0.0078
132	50	HDR biased	0.6097	0.6007	-0.009
149	100	HDR unbiased	0.5999	0.6009	0.001
150	100	HDR unbiased	0.6038	0.6059	0.0021
151	100	HDR unbiased	0.6048	0.6068	0.002
152	100	HDR unbiased	0.5988	0.5988	0
153	100	HDR unbiased	0.5998	0.5999	0.0001
164	30	HDR biased	0.5998	0.5948	-0.005
165	30	HDR biased	0.6008	0.5979	-0.0029
166	30	HDR biased	0.5997	0.5978	-0.0019
168	30	HDR biased	0.6019	0.5968	-0.0051
169	30	HDR biased	0.5968	0.5937	-0.0031
170	10	HDR biased	0.6058	0.6059	0.0001
171	10	HDR biased	0.5998	0.5968	-0.003
172	10	HDR biased	0.6037	0.6017	-0.002
173	10	HDR biased	0.6017	0.6017	0
174	10	HDR biased	0.5988	0.5968	-0.002
175	3	HDR biased	0.6037	0.6028	-0.0009
176	3	HDR biased	0.5987	0.5979	-0.0008
178	3	HDR biased	0.5989	0.5988	-0.0001
179	3	HDR biased	0.6067	0.6068	0.0001
180	3	HDR biased	0.6007	0.5999	-0.0008
187	0	correlation	0.6038	0.6039	0.0001
188	0	correlation	0.5989	0.5989	0
189	0	correlation	0.6039	0.6036	-0.0003
190	0	correlation	0.5988	0.5988	0
191	0	correlation	0.6039	0.6037	-0.0002
192	0	correlation	0.5978	0.5978	0
193	0	correlation	0.6059	0.6059	0

TID vs Post - Pre Exposure Delta

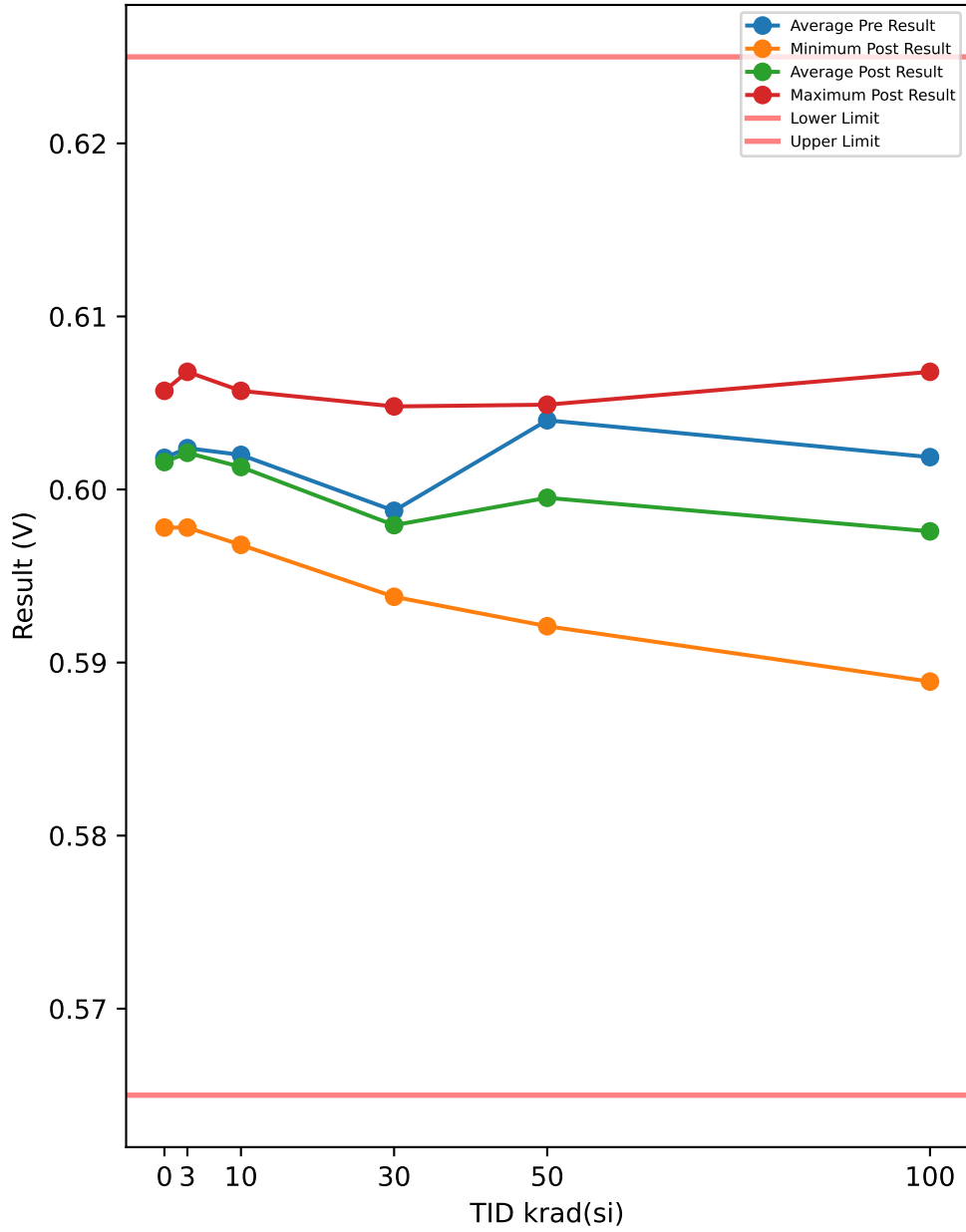


Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5978	0.60186	0.6059	0.0032408	0.5978	0.6018	0.6059	0.003201	-0.0003	-5.7143e-05	0.0001	0.00013973
3	0.5978	0.60245	0.6067	0.0032702	0.5979	0.60234	0.6068	0.0035113	-0.0009	-0.00011	0.0009	0.00056657
10	0.5988	0.60199	0.6058	0.0027221	0.5968	0.6014	0.6059	0.0033273	-0.003	-0.00059	0.002	0.0015257
30	0.5958	0.59884	0.6039	0.0027897	0.5937	0.5979	0.6048	0.00308	-0.0051	-0.00094	0.004	0.0031113
50	0.5998	0.6041	0.6097	0.0027113	0.5918	0.59963	0.6047	0.0042188	-0.009	-0.00447	0.0008	0.0042071
100	0.5988	0.60198	0.6048	0.0020585	0.5888	0.5977	0.6068	0.0059421	-0.0129	-0.00428	0.0021	0.0058111

Device Test: 13.10 VIH_EN(THRESHOLD|RISE/EN/7/0.6//10//@VIH_EN)

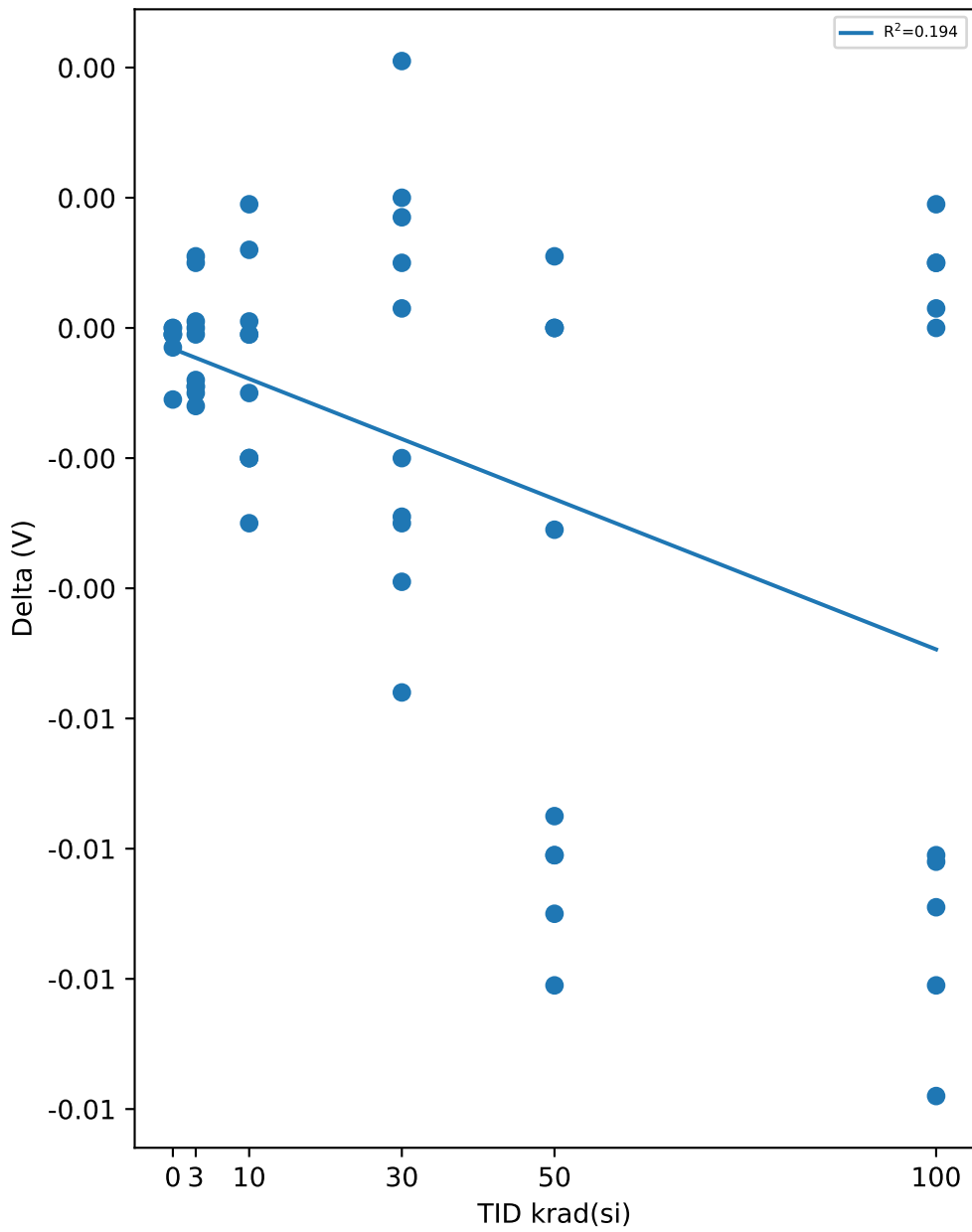
TID vs Result Stats



Test Results (Lower Limit = 0.565, Upper Limit = 0.625 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.603	0.6018	-0.0012
55	3	HDR unbiased	0.6048	0.6059	0.0011
57	3	HDR unbiased	0.5978	0.5978	0
58	3	HDR unbiased	0.6058	0.6068	0.001
59	3	HDR unbiased	0.6039	0.6038	-0.0001
82	10	HDR unbiased	0.6038	0.605	0.0012
83	10	HDR unbiased	0.5988	0.5978	-0.001
84	10	HDR unbiased	0.6048	0.6028	-0.002
85	10	HDR unbiased	0.5989	0.6008	0.0019
87	10	HDR unbiased	0.6039	0.6038	-0.0001
94	30	HDR unbiased	0.5969	0.5986	0.0017
95	30	HDR unbiased	0.5956	0.5959	0.0003
97	30	HDR unbiased	0.6038	0.6048	0.001
98	30	HDR unbiased	0.5958	0.5999	0.0041
99	30	HDR unbiased	0.5968	0.5988	0.002
105	50	HDR unbiased	0.6028	0.6028	0
107	50	HDR unbiased	0.6018	0.6018	0
108	50	HDR unbiased	0.6038	0.6049	0.0011
109	50	HDR unbiased	0.6029	0.5998	-0.0031
110	50	HDR unbiased	0.6039	0.6039	0
121	100	HDR biased	0.6007	0.5889	-0.0118
123	100	HDR biased	0.6008	0.5907	-0.0101
124	100	HDR biased	0.6039	0.5957	-0.0082
125	100	HDR biased	0.6037	0.5956	-0.0081
126	100	HDR biased	0.6026	0.5937	-0.0089
127	50	HDR biased	0.5996	0.5921	-0.0075
128	50	HDR biased	0.6028	0.5927	-0.0101
129	50	HDR biased	0.6059	0.5978	-0.0081
130	50	HDR biased	0.6068	0.5987	-0.0081
132	50	HDR biased	0.6097	0.6007	-0.009
149	100	HDR unbiased	0.5999	0.6009	0.001
150	100	HDR unbiased	0.6038	0.6048	0.001
151	100	HDR unbiased	0.6049	0.6068	0.0019
152	100	HDR unbiased	0.5988	0.5988	0
153	100	HDR unbiased	0.5996	0.5999	0.0003
164	30	HDR biased	0.6007	0.5951	-0.0056
165	30	HDR biased	0.6007	0.5978	-0.0029
166	30	HDR biased	0.5998	0.5978	-0.002
168	30	HDR biased	0.6008	0.5969	-0.0039
169	30	HDR biased	0.5968	0.5938	-0.003
170	10	HDR biased	0.6058	0.6057	-0.0001
171	10	HDR biased	0.5998	0.5968	-0.003
172	10	HDR biased	0.6037	0.6017	-0.002
173	10	HDR biased	0.6017	0.6018	0.0001
174	10	HDR biased	0.5988	0.5968	-0.002
175	3	HDR biased	0.6036	0.6028	-0.0008
176	3	HDR biased	0.5988	0.5978	-0.001
178	3	HDR biased	0.5988	0.5979	-0.0009
179	3	HDR biased	0.6067	0.6068	0.0001
180	3	HDR biased	0.6007	0.5998	-0.0009
187	0	correlation	0.6038	0.6037	-0.0001
188	0	correlation	0.5988	0.5988	0
189	0	correlation	0.6038	0.6037	-0.0001
190	0	correlation	0.5989	0.5978	-0.0011
191	0	correlation	0.6039	0.6036	-0.0003
192	0	correlation	0.5979	0.5978	-0.0001
193	0	correlation	0.6057	0.6057	0

TID vs Post - Pre Exposure Delta

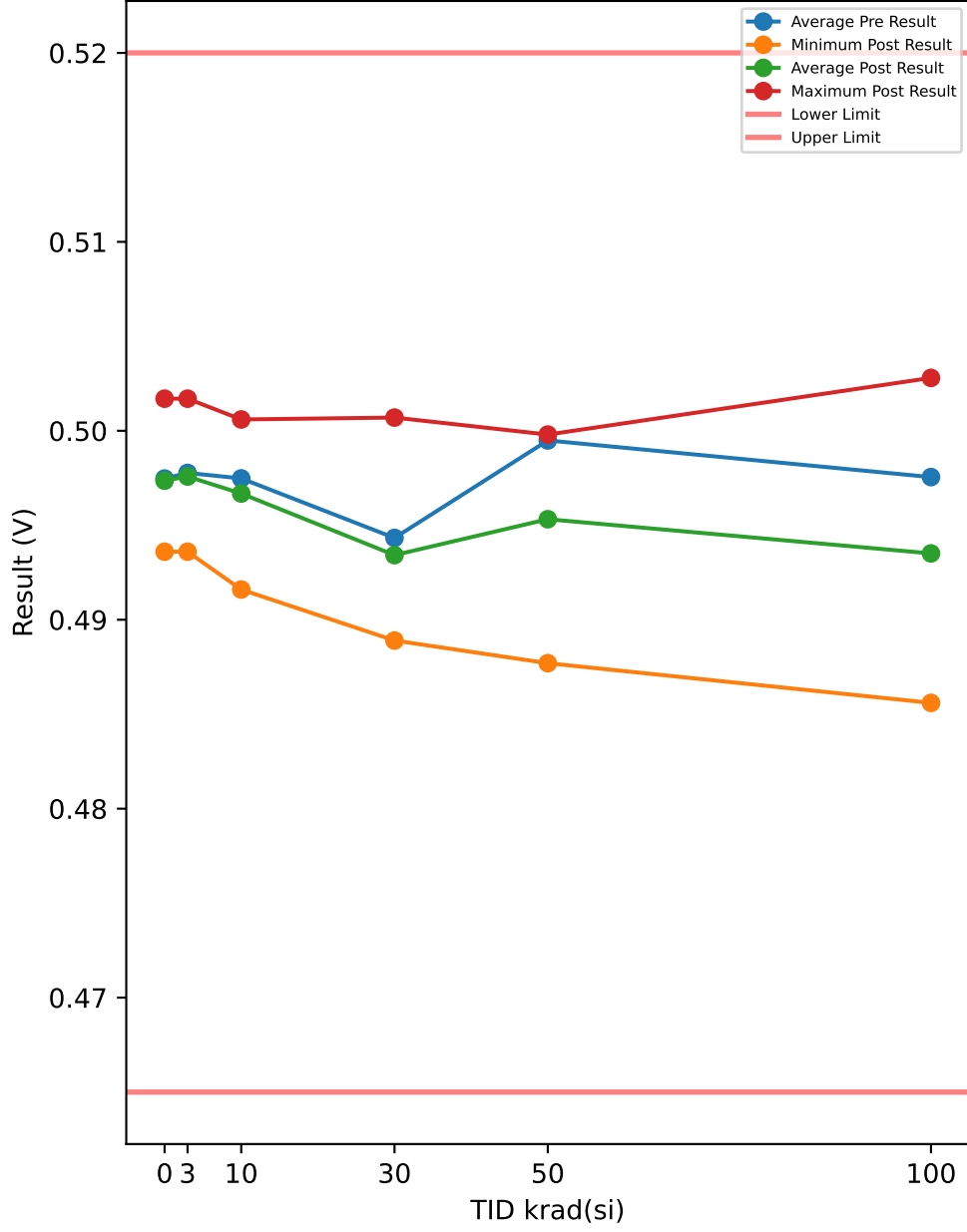


Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5979	0.60183	0.6057	0.0031684	0.5978	0.60159	0.6057	0.0033254	-0.0011	-0.00024286	0	0.00039097
3	0.5978	0.60239	0.6067	0.0031593	0.5978	0.60212	0.6068	0.0036817	-0.0012	-0.00027	0.0011	0.00083006
10	0.5988	0.602	0.6058	0.0027293	0.5968	0.6013	0.6057	0.0032482	-0.003	-0.0007	0.0019	0.0015699
30	0.5956	0.59877	0.6038	0.00275	0.5938	0.59794	0.6048	0.0030288	-0.0056	-0.00083	0.0041	0.0030891
50	0.5996	0.604	0.6097	0.0028339	0.5921	0.59952	0.6049	0.0043558	-0.0101	-0.00448	0.0011	0.0044795
100	0.5988	0.60187	0.6049	0.0021572	0.5889	0.59758	0.6068	0.0057756	-0.0118	-0.00429	0.0019	0.0055274

Device Test: 13.11 VIL_EN(THRESHOLD|FALL/EN/7/0.6//10//@VIL_EN)

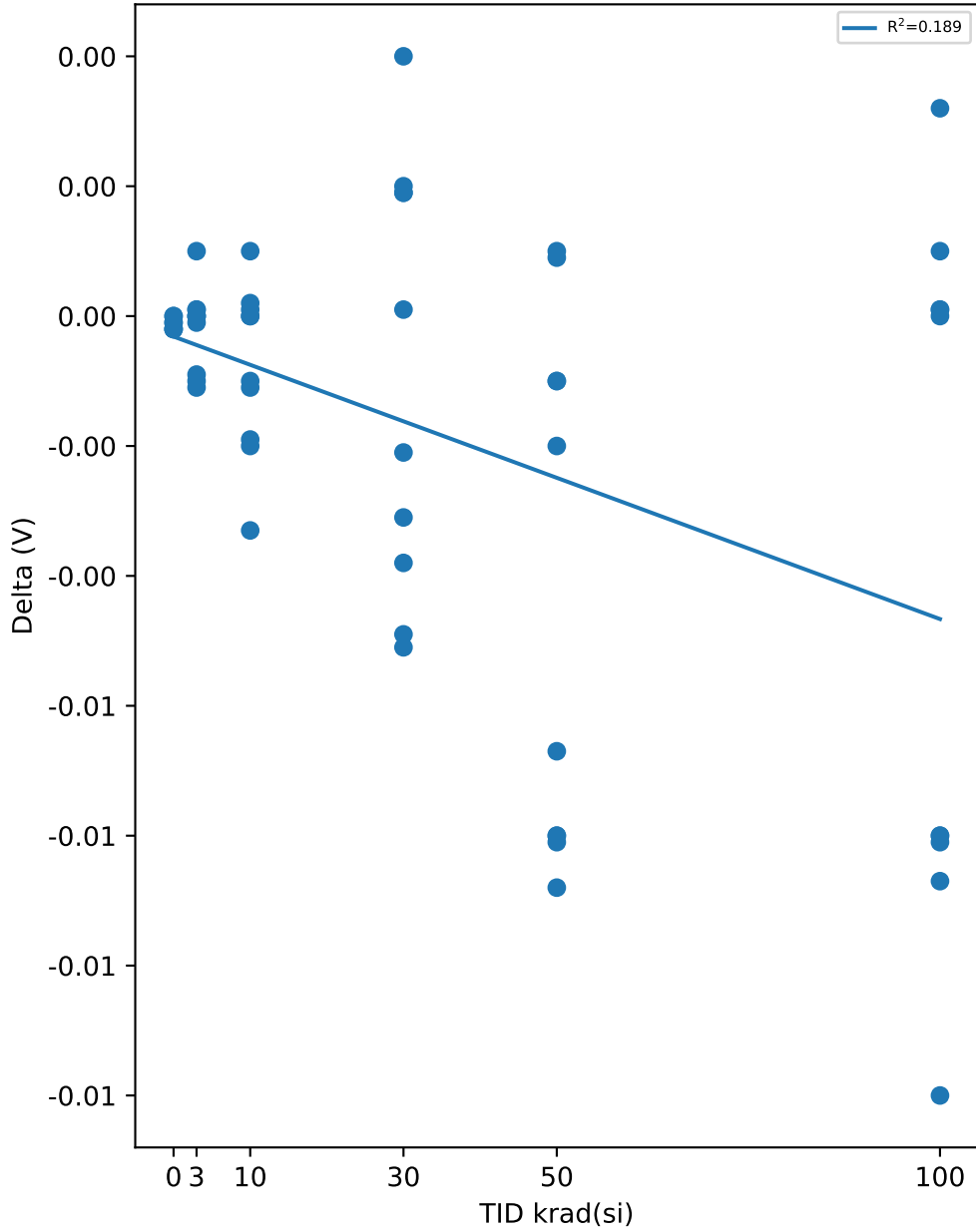
TID vs Result Stats



Test Results (Lower Limit = 0.465, Upper Limit = 0.52 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.4977	0.4977	0
55	3	HDR unbiased	0.4997	0.5007	0.001
57	3	HDR unbiased	0.4936	0.4937	0.0001
58	3	HDR unbiased	0.5017	0.5017	0
59	3	HDR unbiased	0.4988	0.4987	-0.0001
82	10	HDR unbiased	0.4997	0.4998	0.0001
83	10	HDR unbiased	0.4947	0.4937	-0.001
84	10	HDR unbiased	0.4997	0.4986	-0.0011
85	10	HDR unbiased	0.4947	0.4957	0.001
87	10	HDR unbiased	0.4996	0.4998	0.0002
94	30	HDR unbiased	0.4928	0.4948	0.002
95	30	HDR unbiased	0.4927	0.4928	0.0001
97	30	HDR unbiased	0.4988	0.5007	0.0019
98	30	HDR unbiased	0.4908	0.4948	0.004
99	30	HDR unbiased	0.4928	0.4947	0.0019
105	50	HDR unbiased	0.4988	0.4978	-0.001
107	50	HDR unbiased	0.4987	0.4977	-0.001
108	50	HDR unbiased	0.4988	0.4998	0.001
109	50	HDR unbiased	0.4977	0.4957	-0.002
110	50	HDR unbiased	0.4988	0.4997	0.0009
121	100	HDR biased	0.4976	0.4856	-0.012
123	100	HDR biased	0.4957	0.4876	-0.0081
124	100	HDR biased	0.4997	0.4917	-0.008
125	100	HDR biased	0.4996	0.4916	-0.008
126	100	HDR biased	0.4976	0.4889	-0.0087
127	50	HDR biased	0.4957	0.4877	-0.008
128	50	HDR biased	0.4985	0.4897	-0.0088
129	50	HDR biased	0.5016	0.4935	-0.0081
130	50	HDR biased	0.5017	0.495	-0.0067
132	50	HDR biased	0.5046	0.4966	-0.008
149	100	HDR unbiased	0.4957	0.4958	0.0001
150	100	HDR unbiased	0.4998	0.5008	0.001
151	100	HDR unbiased	0.4996	0.5028	0.0032
152	100	HDR unbiased	0.4946	0.4946	0
153	100	HDR unbiased	0.4956	0.4957	0.0001
164	30	HDR biased	0.4957	0.4906	-0.0051
165	30	HDR biased	0.4957	0.4926	-0.0031
166	30	HDR biased	0.4947	0.4926	-0.0021
168	30	HDR biased	0.4966	0.4917	-0.0049
169	30	HDR biased	0.4927	0.4889	-0.0038
170	10	HDR biased	0.5006	0.5006	0
171	10	HDR biased	0.4949	0.4916	-0.0033
172	10	HDR biased	0.4987	0.4967	-0.002
173	10	HDR biased	0.4976	0.4976	0
174	10	HDR biased	0.4946	0.4927	-0.0019
175	3	HDR biased	0.4986	0.4977	-0.0009
176	3	HDR biased	0.4947	0.4936	-0.0011
178	3	HDR biased	0.4947	0.4947	0
179	3	HDR biased	0.5016	0.5017	0.0001
180	3	HDR biased	0.4966	0.4956	-0.001
187	0	correlation	0.4988	0.4986	-0.0002
188	0	correlation	0.4947	0.4947	0
189	0	correlation	0.4988	0.4986	-0.0002
190	0	correlation	0.4947	0.4947	0
191	0	correlation	0.4998	0.4996	-0.0002
192	0	correlation	0.4937	0.4936	-0.0001
193	0	correlation	0.5018	0.5017	-0.0001

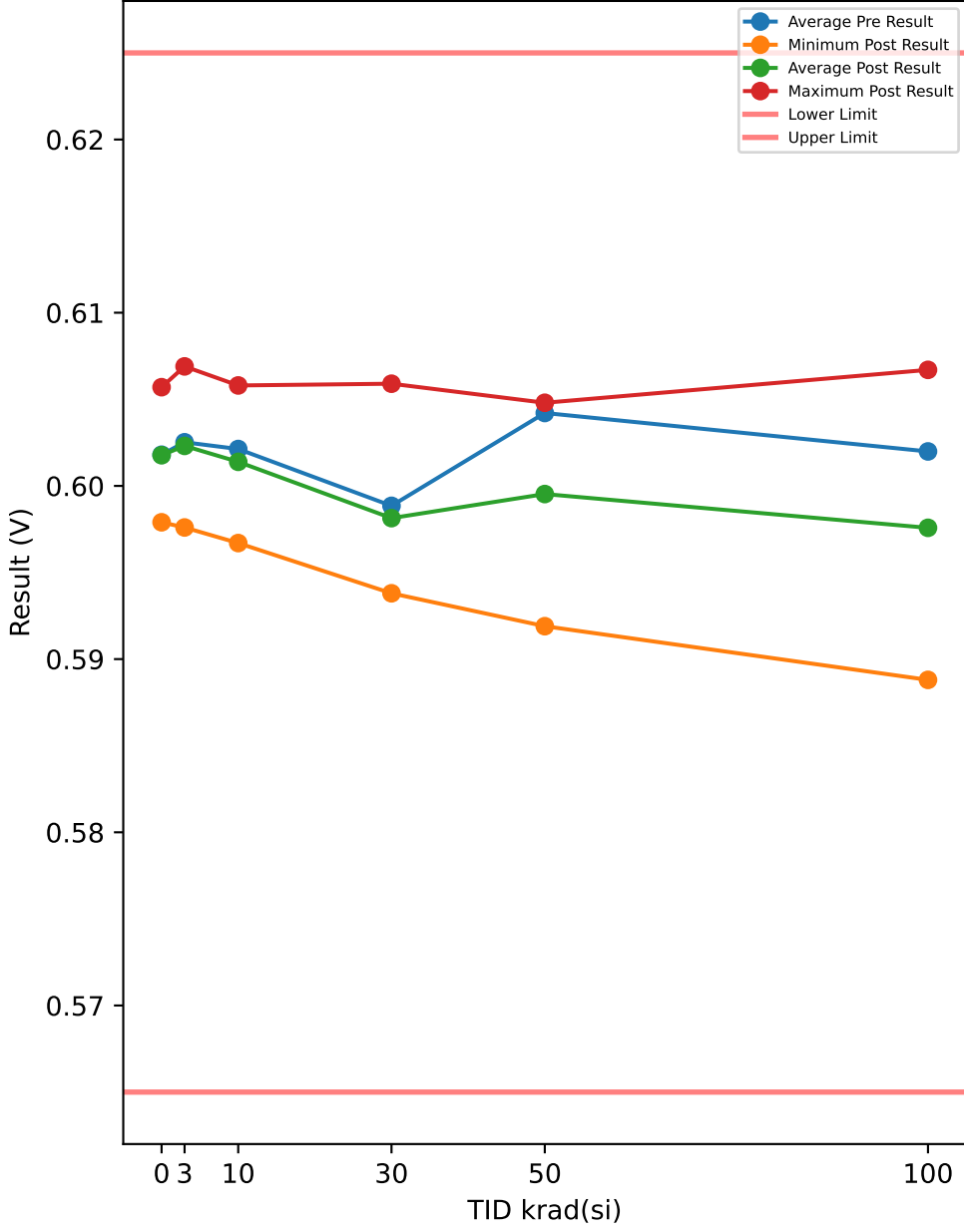
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.4937	0.49747	0.5018	0.0030896	0.4936	0.49736	0.5017	0.0030336	-0.0002	-0.00011429	0	8.9974e-05
3	0.4936	0.49777	0.5017	0.0028519	0.4936	0.49758	0.5017	0.0031283	-0.0011	-0.00019	0.001	0.00064023
10	0.4946	0.49748	0.5006	0.0024943	0.4916	0.49668	0.5006	0.0031773	-0.0033	-0.0008	0.001	0.0013064
30	0.4908	0.49433	0.4988	0.0023917	0.4889	0.49342	0.5007	0.0031888	-0.0051	-0.00091	0.004	0.0032902
50	0.4957	0.49949	0.5046	0.0024955	0.4877	0.49532	0.4998	0.0040265	-0.0088	-0.00417	0.001	0.0040806
100	0.4946	0.49755	0.4998	0.0020397	0.4856	0.49351	0.5028	0.0055412	-0.012	-0.00404	0.0032	0.0053887

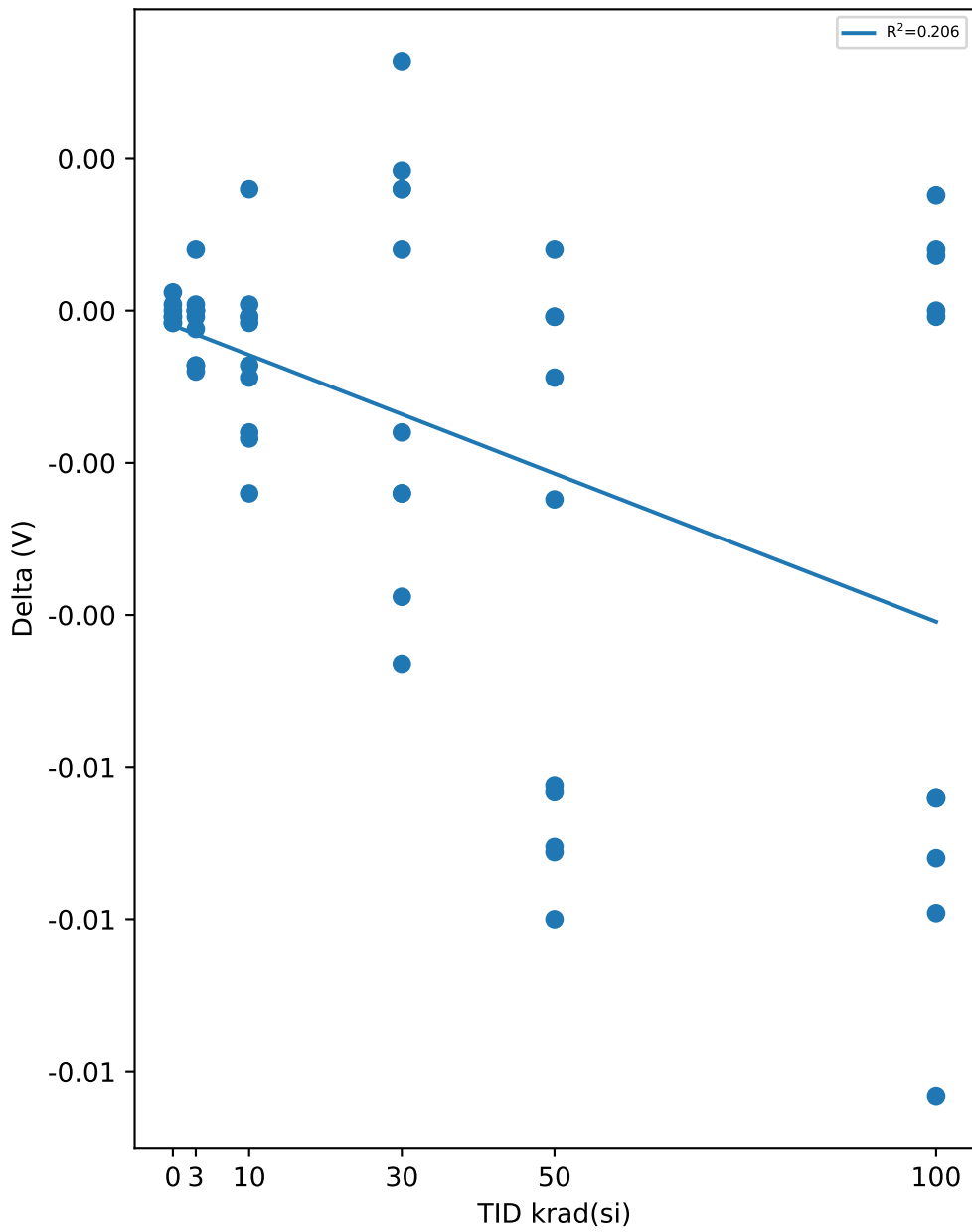
TID vs Result Stats



Test Results (Lower Limit = 0.565, Upper Limit = 0.625 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.6029	0.6029	0
55	3	HDR unbiased	0.6048	0.6058	0.001
57	3	HDR unbiased	0.5979	0.5976	-0.0003
58	3	HDR unbiased	0.6068	0.6069	0.0001
59	3	HDR unbiased	0.6039	0.6038	-0.0001
82	10	HDR unbiased	0.605	0.6048	-0.0002
83	10	HDR unbiased	0.5989	0.5978	-0.0011
84	10	HDR unbiased	0.6048	0.6039	-0.0009
85	10	HDR unbiased	0.5988	0.6008	0.002
87	10	HDR unbiased	0.604	0.6039	-0.0001
94	30	HDR unbiased	0.5968	0.5988	0.002
95	30	HDR unbiased	0.5958	0.5968	0.001
97	30	HDR unbiased	0.6039	0.6059	0.002
98	30	HDR unbiased	0.5958	0.5999	0.0041
99	30	HDR unbiased	0.5966	0.5989	0.0023
105	50	HDR unbiased	0.603	0.6029	-0.0001
107	50	HDR unbiased	0.6029	0.6018	-0.0011
108	50	HDR unbiased	0.6038	0.6048	0.001
109	50	HDR unbiased	0.6029	0.5998	-0.0031
110	50	HDR unbiased	0.6038	0.6037	-0.0001
121	100	HDR biased	0.6017	0.5888	-0.0129
123	100	HDR biased	0.6007	0.5908	-0.0099
124	100	HDR biased	0.6036	0.5956	-0.008
125	100	HDR biased	0.6037	0.5957	-0.008
126	100	HDR biased	0.6028	0.5938	-0.009
127	50	HDR biased	0.5998	0.5919	-0.0079
128	50	HDR biased	0.6027	0.5927	-0.01
129	50	HDR biased	0.6067	0.5979	-0.0088
130	50	HDR biased	0.6067	0.5989	-0.0078
132	50	HDR biased	0.6098	0.6009	-0.0089
149	100	HDR unbiased	0.5999	0.6009	0.001
150	100	HDR unbiased	0.6039	0.6048	0.0009
151	100	HDR unbiased	0.6048	0.6067	0.0019
152	100	HDR unbiased	0.5989	0.5988	-0.0001
153	100	HDR unbiased	0.5999	0.5999	0
164	30	HDR biased	0.6006	0.5948	-0.0058
165	30	HDR biased	0.6008	0.5978	-0.003
166	30	HDR biased	0.5998	0.5978	-0.002
168	30	HDR biased	0.6016	0.5969	-0.0047
169	30	HDR biased	0.5968	0.5938	-0.003
170	10	HDR biased	0.6057	0.6058	0.0001
171	10	HDR biased	0.5999	0.5969	-0.003
172	10	HDR biased	0.6037	0.6017	-0.002
173	10	HDR biased	0.6017	0.6016	-0.0001
174	10	HDR biased	0.5988	0.5967	-0.0021
175	3	HDR biased	0.6038	0.6028	-0.001
176	3	HDR biased	0.5988	0.5979	-0.0009
178	3	HDR biased	0.5988	0.5988	0
179	3	HDR biased	0.6068	0.6068	0
180	3	HDR biased	0.6007	0.5998	-0.0009
187	0	correlation	0.6037	0.6037	0
188	0	correlation	0.5986	0.5989	0.0003
189	0	correlation	0.6038	0.6037	-0.0001
190	0	correlation	0.5989	0.5988	-0.0001
191	0	correlation	0.6039	0.6037	-0.0002
192	0	correlation	0.5978	0.5979	0.0001
193	0	correlation	0.6059	0.6057	-0.0002

TID vs Post - Pre Exposure Delta

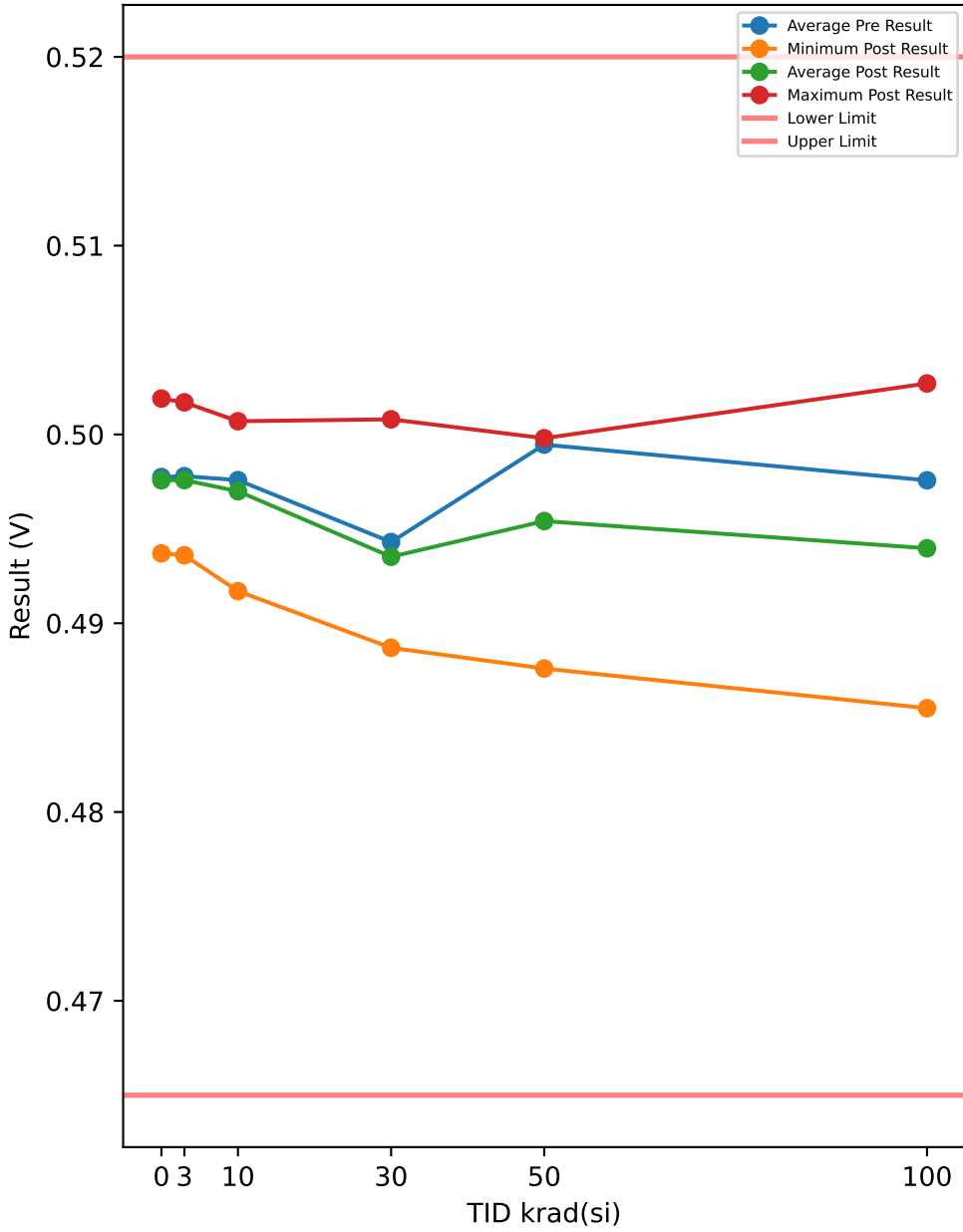


Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5978	0.6018	0.6059	0.0032527	0.5979	0.60177	0.6057	0.0031266	-0.0002	-2.8571e-05	0.0003	0.00017995
3	0.5979	0.60252	0.6068	0.0032974	0.5976	0.60231	0.6069	0.0035974	-0.001	-0.00021	0.001	0.00060452
10	0.5988	0.60213	0.6057	0.0028253	0.5967	0.60139	0.6058	0.0033201	-0.003	-0.00074	0.002	0.0014152
30	0.5958	0.59885	0.6039	0.0028461	0.5938	0.59814	0.6059	0.0032979	-0.0058	-0.00071	0.0041	0.0033959
50	0.5998	0.60421	0.6098	0.002801	0.5919	0.59953	0.6048	0.0043658	-0.01	-0.00468	0.001	0.0043807
100	0.5989	0.60199	0.6048	0.002048	0.5888	0.59758	0.6067	0.0057542	-0.0129	-0.00441	0.0019	0.0056211

Device Test: 13.14 VIL_EN(THRESHOLD|FALL/EN/12/0.6//10//@VIL_EN)

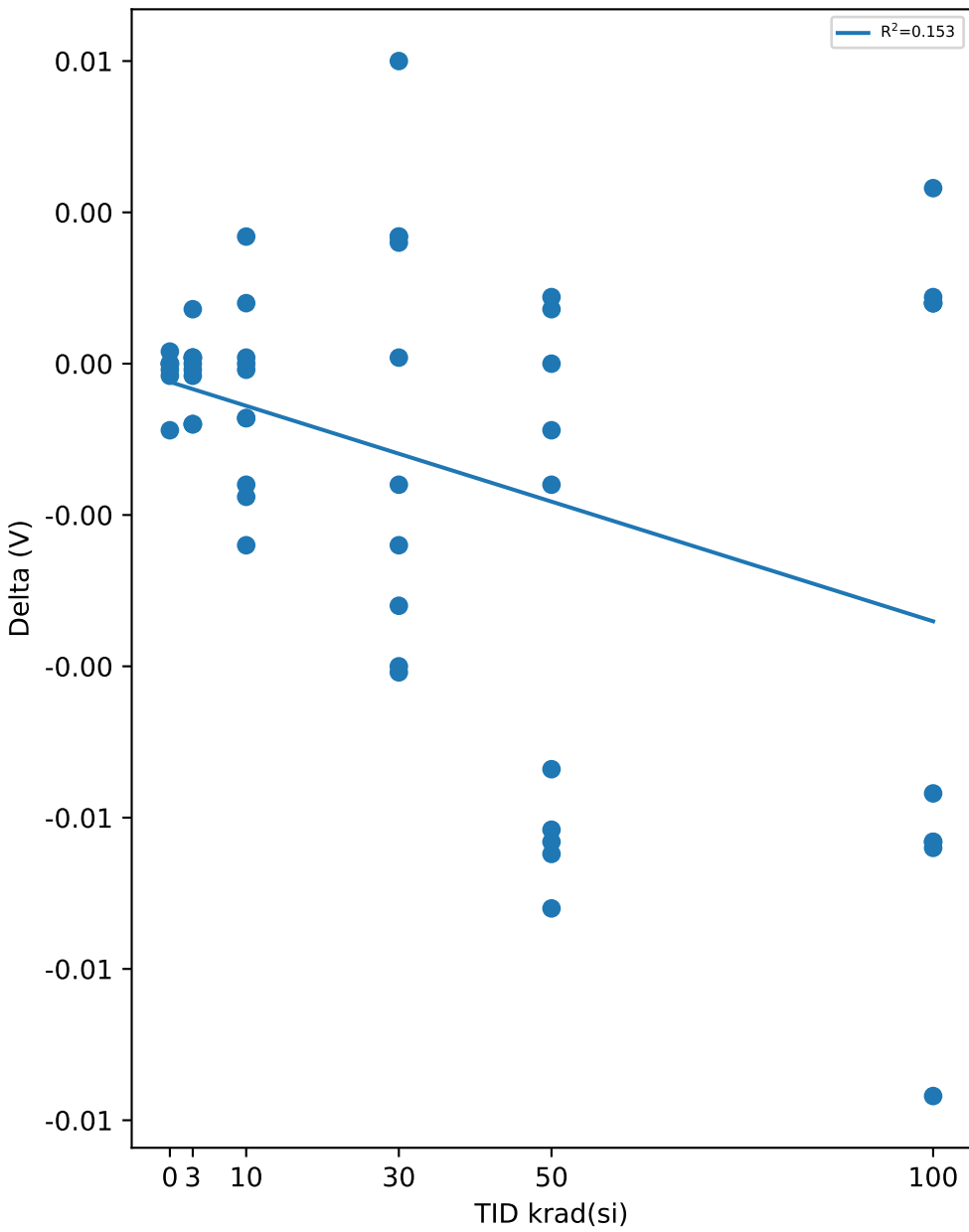
TID vs Result Stats



Test Results (Lower Limit = 0.465, Upper Limit = 0.52 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.4977	0.4978	0.0001
55	3	HDR unbiased	0.4998	0.5007	0.0009
57	3	HDR unbiased	0.4938	0.4936	-0.0002
58	3	HDR unbiased	0.5016	0.5017	0.0001
59	3	HDR unbiased	0.4988	0.4987	-0.0001
82	10	HDR unbiased	0.4997	0.5007	0.001
83	10	HDR unbiased	0.4957	0.4948	-0.0009
84	10	HDR unbiased	0.4997	0.4988	-0.0009
85	10	HDR unbiased	0.4947	0.4968	0.0021
87	10	HDR unbiased	0.4997	0.4996	-0.0001
94	30	HDR unbiased	0.4926	0.4947	0.0021
95	30	HDR unbiased	0.4927	0.4928	0.0001
97	30	HDR unbiased	0.4987	0.5008	0.0021
98	30	HDR unbiased	0.4908	0.4958	0.005
99	30	HDR unbiased	0.4927	0.4947	0.002
105	50	HDR unbiased	0.4988	0.4988	0
107	50	HDR unbiased	0.4987	0.4976	-0.0011
108	50	HDR unbiased	0.4987	0.4998	0.0011
109	50	HDR unbiased	0.4977	0.4957	-0.002
110	50	HDR unbiased	0.4989	0.4998	0.0009
121	100	HDR biased	0.4976	0.4855	-0.0121
123	100	HDR biased	0.4957	0.4877	-0.008
124	100	HDR biased	0.4996	0.4925	-0.0071
125	100	HDR biased	0.4995	0.4916	-0.0079
126	100	HDR biased	0.4976	0.4897	-0.0079
127	50	HDR biased	0.4957	0.4876	-0.0081
128	50	HDR biased	0.4986	0.4896	-0.009
129	50	HDR biased	0.5016	0.4939	-0.0077
130	50	HDR biased	0.5014	0.4947	-0.0067
132	50	HDR biased	0.5045	0.4966	-0.0079
149	100	HDR unbiased	0.4958	0.4968	0.001
150	100	HDR unbiased	0.4997	0.5008	0.0011
151	100	HDR unbiased	0.4998	0.5027	0.0029
152	100	HDR unbiased	0.4947	0.4957	0.001
153	100	HDR unbiased	0.4957	0.4967	0.001
164	30	HDR biased	0.4957	0.4906	-0.0051
165	30	HDR biased	0.4957	0.4927	-0.003
166	30	HDR biased	0.4947	0.4927	-0.002
168	30	HDR biased	0.4967	0.4917	-0.005
169	30	HDR biased	0.4927	0.4887	-0.004
170	10	HDR biased	0.5006	0.5007	0.0001
171	10	HDR biased	0.4947	0.4917	-0.003
172	10	HDR biased	0.4986	0.4966	-0.002
173	10	HDR biased	0.4977	0.4977	0
174	10	HDR biased	0.4947	0.4925	-0.0022
175	3	HDR biased	0.4987	0.4977	-0.001
176	3	HDR biased	0.4946	0.4936	-0.001
178	3	HDR biased	0.4946	0.4947	0.0001
179	3	HDR biased	0.5016	0.5016	0
180	3	HDR biased	0.4967	0.4957	-0.001
187	0	correlation	0.4998	0.4987	-0.0011
188	0	correlation	0.4947	0.4947	0
189	0	correlation	0.4999	0.4997	-0.0002
190	0	correlation	0.4947	0.4947	0
191	0	correlation	0.4997	0.4996	-0.0001
192	0	correlation	0.4937	0.4937	0
193	0	correlation	0.5017	0.5019	0.0002

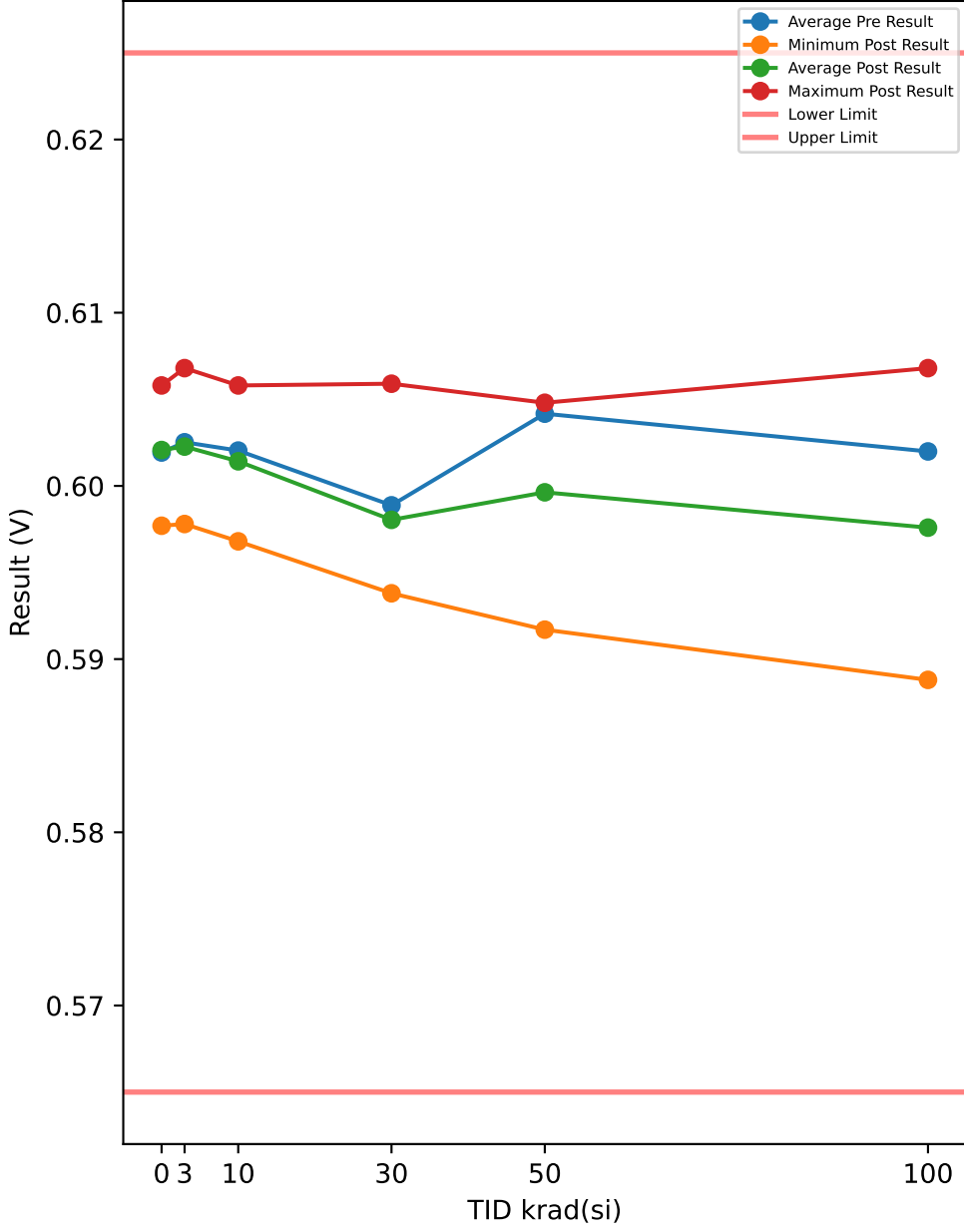
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.4937	0.49774	0.5017	0.0032465	0.4937	0.49757	0.5019	0.0031658	-0.0011	-0.00017143	0.0002	0.00042706
3	0.4938	0.49779	0.5016	0.0028361	0.4936	0.49758	0.5017	0.0031215	-0.001	-0.00021	0.0009	0.00061905
10	0.4947	0.49758	0.5006	0.0024055	0.4917	0.49699	0.5007	0.0031841	-0.003	-0.00059	0.0021	0.0015423
30	0.4908	0.4943	0.4987	0.0024042	0.4887	0.49352	0.5008	0.0032984	-0.0051	-0.00078	0.005	0.0035238
50	0.4957	0.49946	0.5045	0.0024409	0.4876	0.49541	0.4998	0.0041348	-0.009	-0.00405	0.0011	0.0041687
100	0.4947	0.49757	0.4998	0.0019922	0.4855	0.49397	0.5027	0.0055616	-0.0121	-0.0036	0.0029	0.0054636

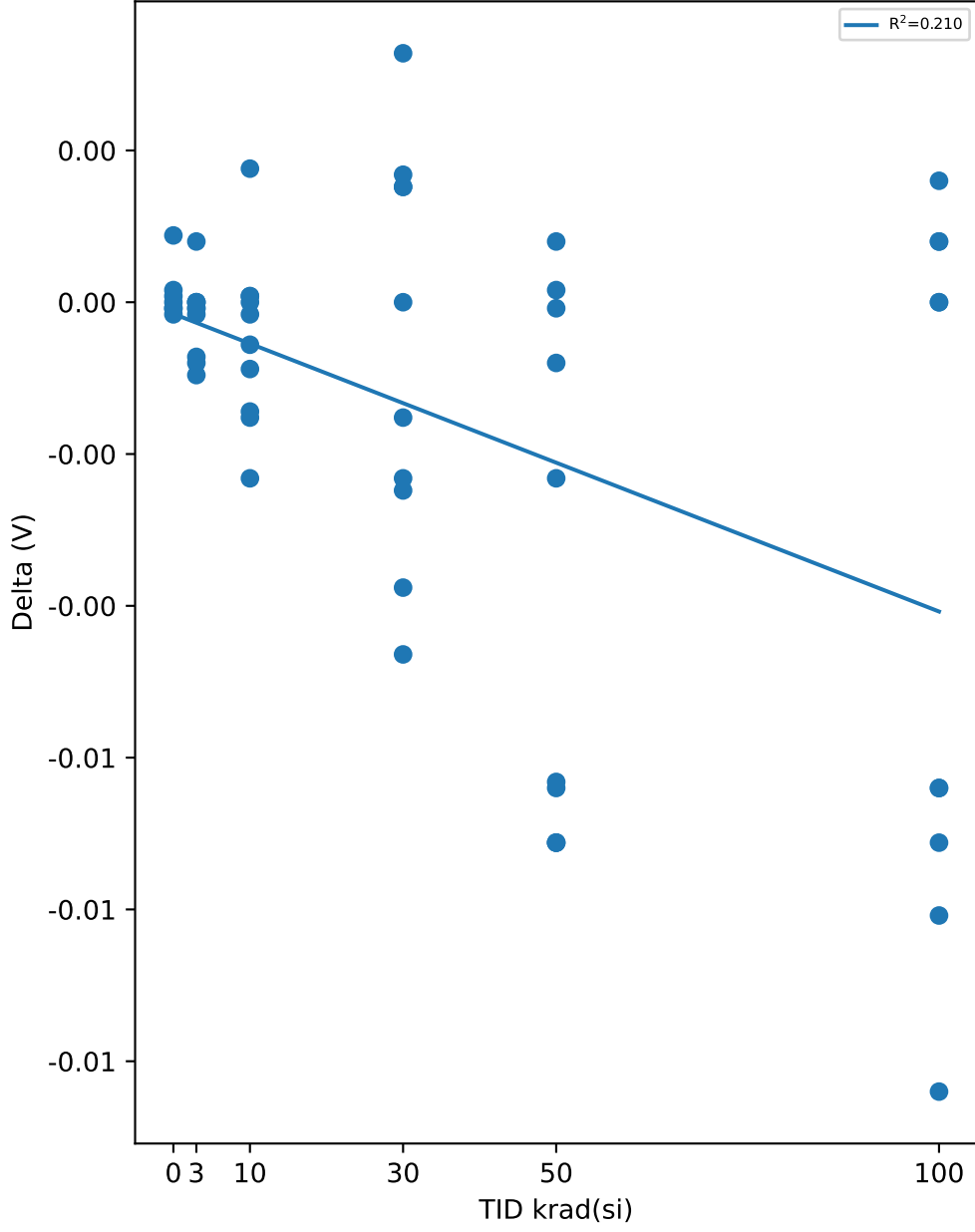
TID vs Result Stats



Test Results (Lower Limit = 0.565, Upper Limit = 0.625 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.6029	0.6029	0
55	3	HDR unbiased	0.6049	0.6059	0.001
57	3	HDR unbiased	0.5979	0.5978	-0.0001
58	3	HDR unbiased	0.6069	0.6067	-0.0002
59	3	HDR unbiased	0.6037	0.6037	0
82	10	HDR unbiased	0.6048	0.6049	0.0001
83	10	HDR unbiased	0.5986	0.5979	-0.0007
84	10	HDR unbiased	0.6049	0.6038	-0.0011
85	10	HDR unbiased	0.5988	0.601	0.0022
87	10	HDR unbiased	0.6039	0.6037	-0.0002
94	30	HDR unbiased	0.5969	0.5988	0.0019
95	30	HDR unbiased	0.5959	0.5959	0
97	30	HDR unbiased	0.6038	0.6059	0.0021
98	30	HDR unbiased	0.5958	0.5999	0.0041
99	30	HDR unbiased	0.5969	0.5988	0.0019
105	50	HDR unbiased	0.6029	0.6028	-0.0001
107	50	HDR unbiased	0.6029	0.6019	-0.001
108	50	HDR unbiased	0.6038	0.6048	0.001
109	50	HDR unbiased	0.6028	0.5999	-0.0029
110	50	HDR unbiased	0.6038	0.604	0.0002
121	100	HDR biased	0.6018	0.5888	-0.013
123	100	HDR biased	0.6008	0.5907	-0.0101
124	100	HDR biased	0.6037	0.5957	-0.008
125	100	HDR biased	0.6037	0.5957	-0.008
126	100	HDR biased	0.6026	0.5937	-0.0089
127	50	HDR biased	0.5997	0.5917	-0.008
128	50	HDR biased	0.6027	0.5938	-0.0089
129	50	HDR biased	0.6067	0.5978	-0.0089
130	50	HDR biased	0.6067	0.5988	-0.0079
132	50	HDR biased	0.6097	0.6008	-0.0089
149	100	HDR unbiased	0.5999	0.6009	0.001
150	100	HDR unbiased	0.6038	0.6048	0.001
151	100	HDR unbiased	0.6048	0.6068	0.002
152	100	HDR unbiased	0.5989	0.5989	0
153	100	HDR unbiased	0.5999	0.5999	0
164	30	HDR biased	0.6006	0.5948	-0.0058
165	30	HDR biased	0.6007	0.5978	-0.0029
166	30	HDR biased	0.5997	0.5978	-0.0019
168	30	HDR biased	0.6016	0.5969	-0.0047
169	30	HDR biased	0.5969	0.5938	-0.0031
170	10	HDR biased	0.6057	0.6058	0.0001
171	10	HDR biased	0.5997	0.5968	-0.0029
172	10	HDR biased	0.6036	0.6018	-0.0018
173	10	HDR biased	0.6017	0.6017	0
174	10	HDR biased	0.5987	0.5968	-0.0019
175	3	HDR biased	0.6038	0.6026	-0.0012
176	3	HDR biased	0.5987	0.5978	-0.0009
178	3	HDR biased	0.5988	0.5988	0
179	3	HDR biased	0.6069	0.6068	-0.0001
180	3	HDR biased	0.6007	0.5997	-0.001
187	0	correlation	0.6039	0.6037	-0.0002
188	0	correlation	0.5988	0.5988	0
189	0	correlation	0.6038	0.6049	0.0011
190	0	correlation	0.5986	0.5988	0.0002
191	0	correlation	0.6047	0.6048	0.0001
192	0	correlation	0.5978	0.5977	-0.0001
193	0	correlation	0.6059	0.6058	-0.0001

TID vs Post - Pre Exposure Delta

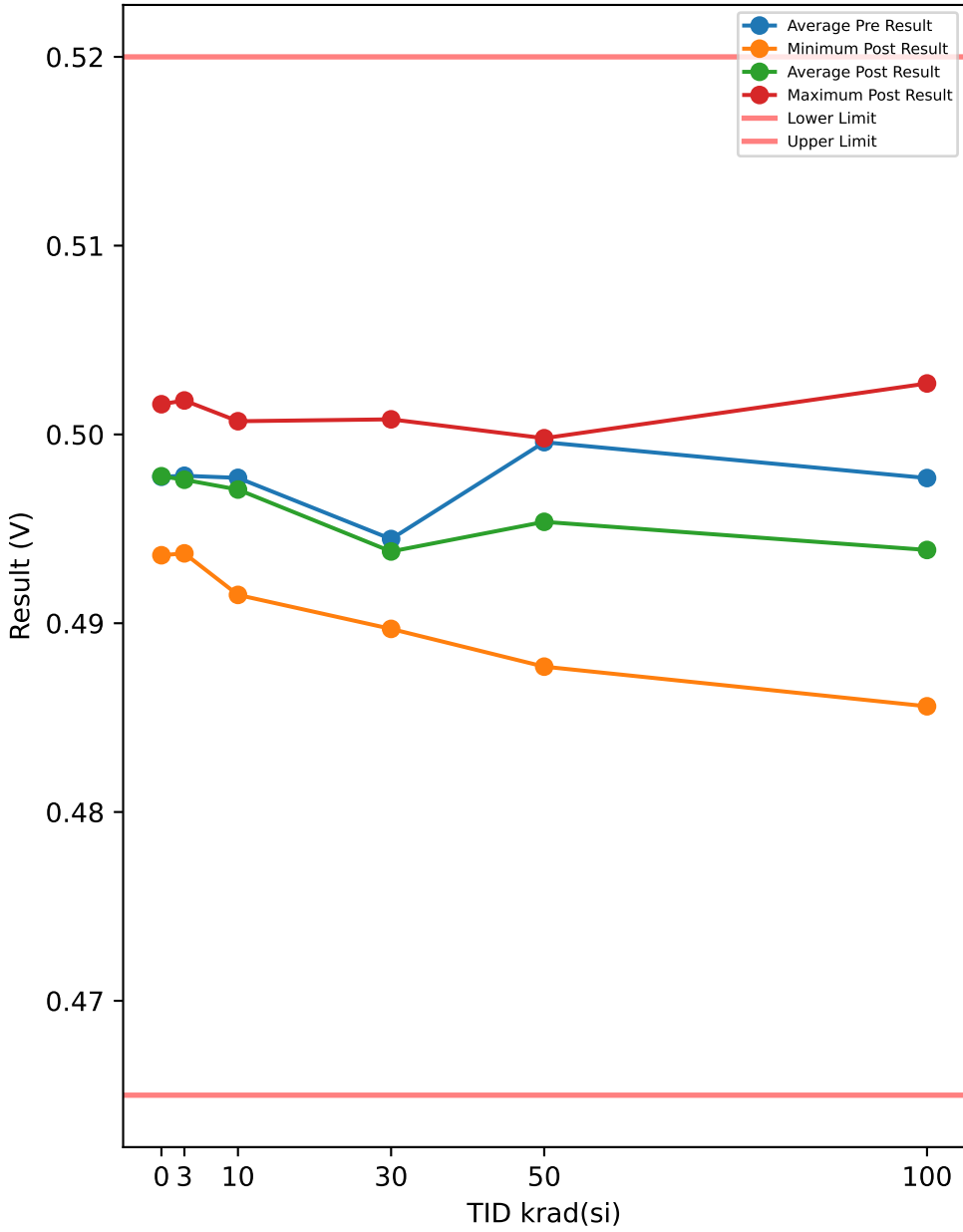


Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5978	0.60193	0.6059	0.0033851	0.5977	0.60207	0.6058	0.0034765	-0.0002	0.00014286	0.0011	0.00044293
3	0.5979	0.60252	0.6069	0.0033383	0.5978	0.60227	0.6068	0.0035665	-0.0012	-0.00025	0.001	0.00063988
10	0.5986	0.60204	0.6057	0.0028706	0.5968	0.60142	0.6058	0.0032937	-0.0029	-0.00062	0.0022	0.0014148
30	0.5958	0.59888	0.6038	0.0027624	0.5938	0.59804	0.6059	0.0033477	-0.0058	-0.00084	0.0041	0.0033123
50	0.5997	0.60417	0.6097	0.0028068	0.5917	0.59963	0.6048	0.0042607	-0.0089	-0.00454	0.001	0.0043254
100	0.5989	0.60199	0.6048	0.0020311	0.5888	0.59759	0.6068	0.0057911	-0.013	-0.0044	0.002	0.0056825

Device Test: 13.17 VIL_EN(THRESHOLD|FALL/EN/14/0.6//10//@VIL_EN)

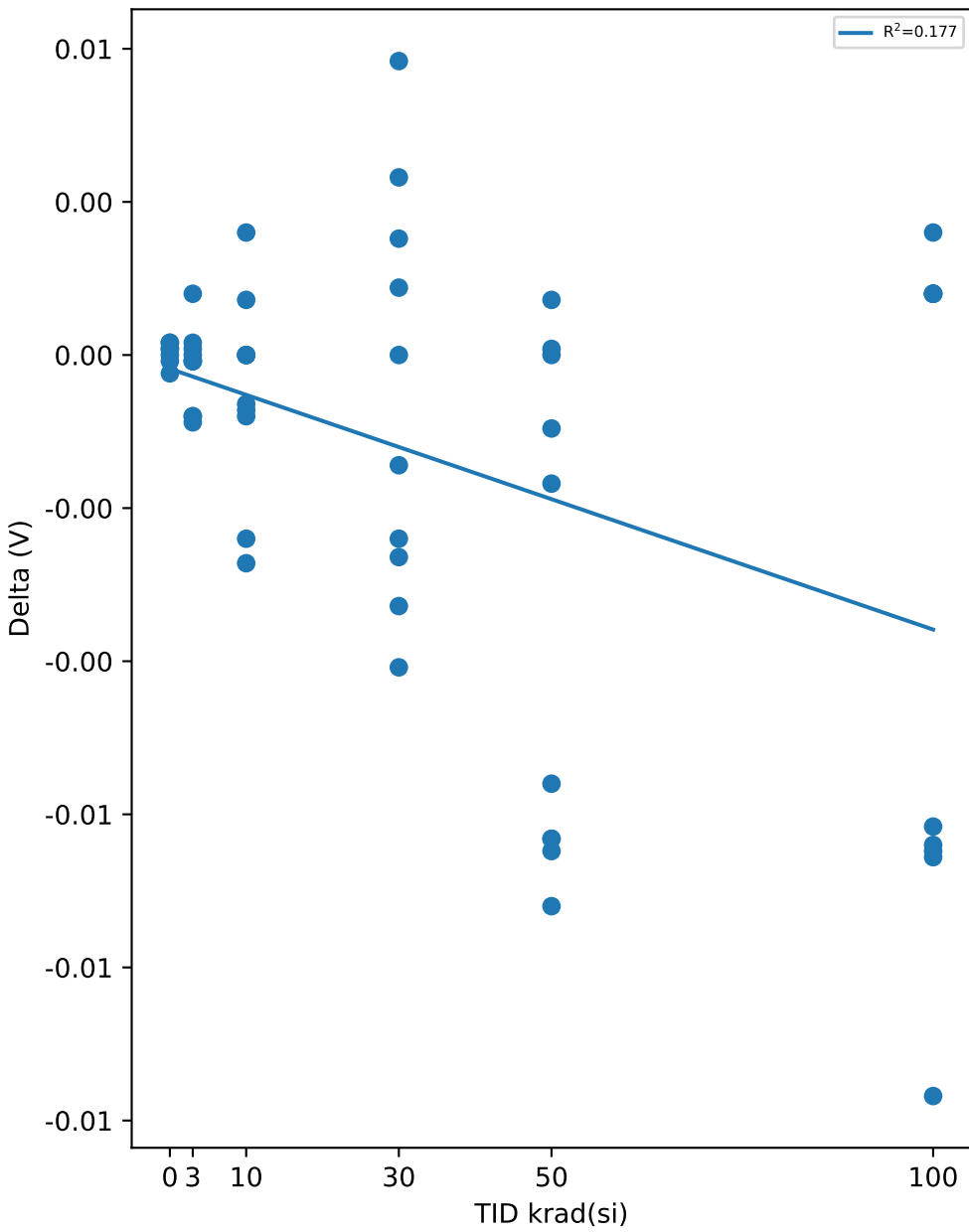
TID vs Result Stats



Test Results (Lower Limit = 0.465, Upper Limit = 0.52 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.4978	0.4977	-0.0001
55	3	HDR unbiased	0.4997	0.5007	0.001
57	3	HDR unbiased	0.4937	0.4939	0.0002
58	3	HDR unbiased	0.5018	0.5018	0
59	3	HDR unbiased	0.4988	0.4987	-0.0001
82	10	HDR unbiased	0.4998	0.5007	0.0009
83	10	HDR unbiased	0.4956	0.4947	-0.0009
84	10	HDR unbiased	0.4996	0.4988	-0.0008
85	10	HDR unbiased	0.4947	0.4967	0.002
87	10	HDR unbiased	0.4997	0.4997	0
94	30	HDR unbiased	0.4928	0.4957	0.0029
95	30	HDR unbiased	0.4927	0.4927	0
97	30	HDR unbiased	0.4997	0.5008	0.0011
98	30	HDR unbiased	0.4909	0.4957	0.0048
99	30	HDR unbiased	0.4928	0.4947	0.0019
105	50	HDR unbiased	0.4988	0.4989	0.0001
107	50	HDR unbiased	0.4988	0.4976	-0.0012
108	50	HDR unbiased	0.4988	0.4997	0.0009
109	50	HDR unbiased	0.4977	0.4956	-0.0021
110	50	HDR unbiased	0.4998	0.4998	0
121	100	HDR biased	0.4977	0.4856	-0.0121
123	100	HDR biased	0.4957	0.4877	-0.008
124	100	HDR biased	0.4996	0.4919	-0.0077
125	100	HDR biased	0.4996	0.4915	-0.0081
126	100	HDR biased	0.4979	0.4897	-0.0082
127	50	HDR biased	0.4956	0.4877	-0.0079
128	50	HDR biased	0.4986	0.4896	-0.009
129	50	HDR biased	0.5015	0.4936	-0.0079
130	50	HDR biased	0.5016	0.4946	-0.007
132	50	HDR biased	0.5047	0.4966	-0.0081
149	100	HDR unbiased	0.4957	0.4967	0.001
150	100	HDR unbiased	0.4997	0.5007	0.001
151	100	HDR unbiased	0.5007	0.5027	0.002
152	100	HDR unbiased	0.4947	0.4957	0.001
153	100	HDR unbiased	0.4956	0.4966	0.001
164	30	HDR biased	0.4957	0.4906	-0.0051
165	30	HDR biased	0.4959	0.4926	-0.0033
166	30	HDR biased	0.4947	0.4929	-0.0018
168	30	HDR biased	0.4967	0.4926	-0.0041
169	30	HDR biased	0.4927	0.4897	-0.003
170	10	HDR biased	0.5007	0.5007	0
171	10	HDR biased	0.4949	0.4915	-0.0034
172	10	HDR biased	0.4997	0.4967	-0.003
173	10	HDR biased	0.4976	0.4976	0
174	10	HDR biased	0.4947	0.4937	-0.001
175	3	HDR biased	0.4987	0.4976	-0.0011
176	3	HDR biased	0.4947	0.4937	-0.001
178	3	HDR biased	0.4946	0.4947	0.0001
179	3	HDR biased	0.5016	0.5015	-0.0001
180	3	HDR biased	0.4967	0.4957	-0.001
187	0	correlation	0.4998	0.4999	0.0001
188	0	correlation	0.4948	0.495	0.0002
189	0	correlation	0.4999	0.4996	-0.0003
190	0	correlation	0.4947	0.4949	0.0002
191	0	correlation	0.4998	0.4999	0.0001
192	0	correlation	0.4937	0.4936	-0.0001
193	0	correlation	0.5016	0.5016	0

TID vs Post - Pre Exposure Delta

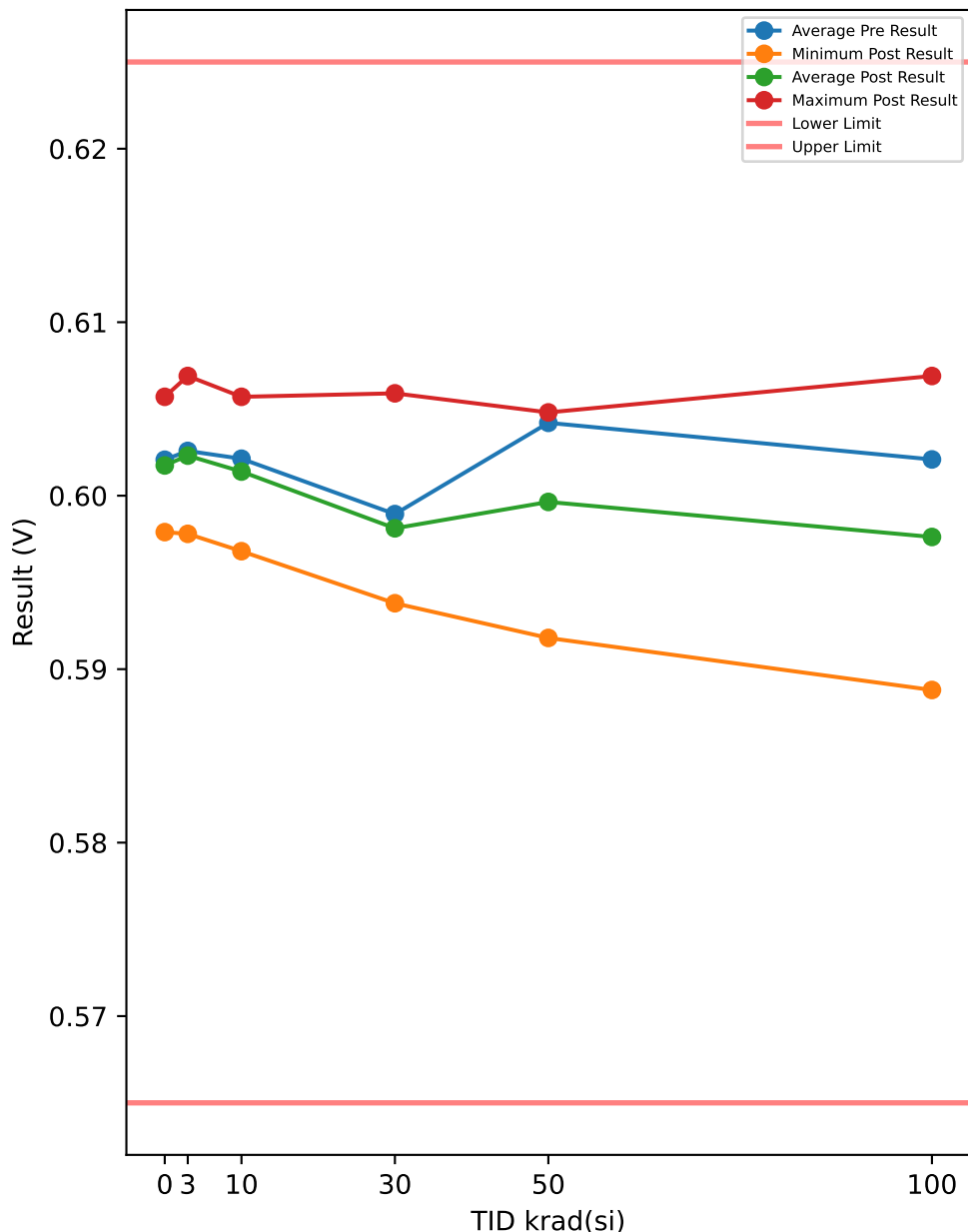


Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.4937	0.49776	0.5016	0.0032212	0.4936	0.49779	0.5016	0.0031725	-0.0003	2.8571e-05	0.0002	0.00017995
3	0.4937	0.49781	0.5018	0.0028622	0.4937	0.4976	0.5018	0.0030659	-0.0011	-0.00021	0.001	0.00065396
10	0.4947	0.4977	0.5007	0.0024784	0.4915	0.49708	0.5007	0.0030699	-0.0034	-0.00062	0.002	0.0016322
30	0.4909	0.49446	0.4997	0.0025932	0.4897	0.4938	0.5008	0.0031443	-0.0051	-0.00066	0.0048	0.0032975
50	0.4956	0.49959	0.5047	0.0024986	0.4877	0.49537	0.4998	0.0041261	-0.009	-0.00422	0.0009	0.0040691
100	0.4947	0.49769	0.5007	0.0021517	0.4856	0.49388	0.5027	0.0055455	-0.0121	-0.00381	0.002	0.0054303

Device Test: 13.19 VIH_EN(THRESHOLD)RISE/EN/14/13.9//10//@VIH_EN

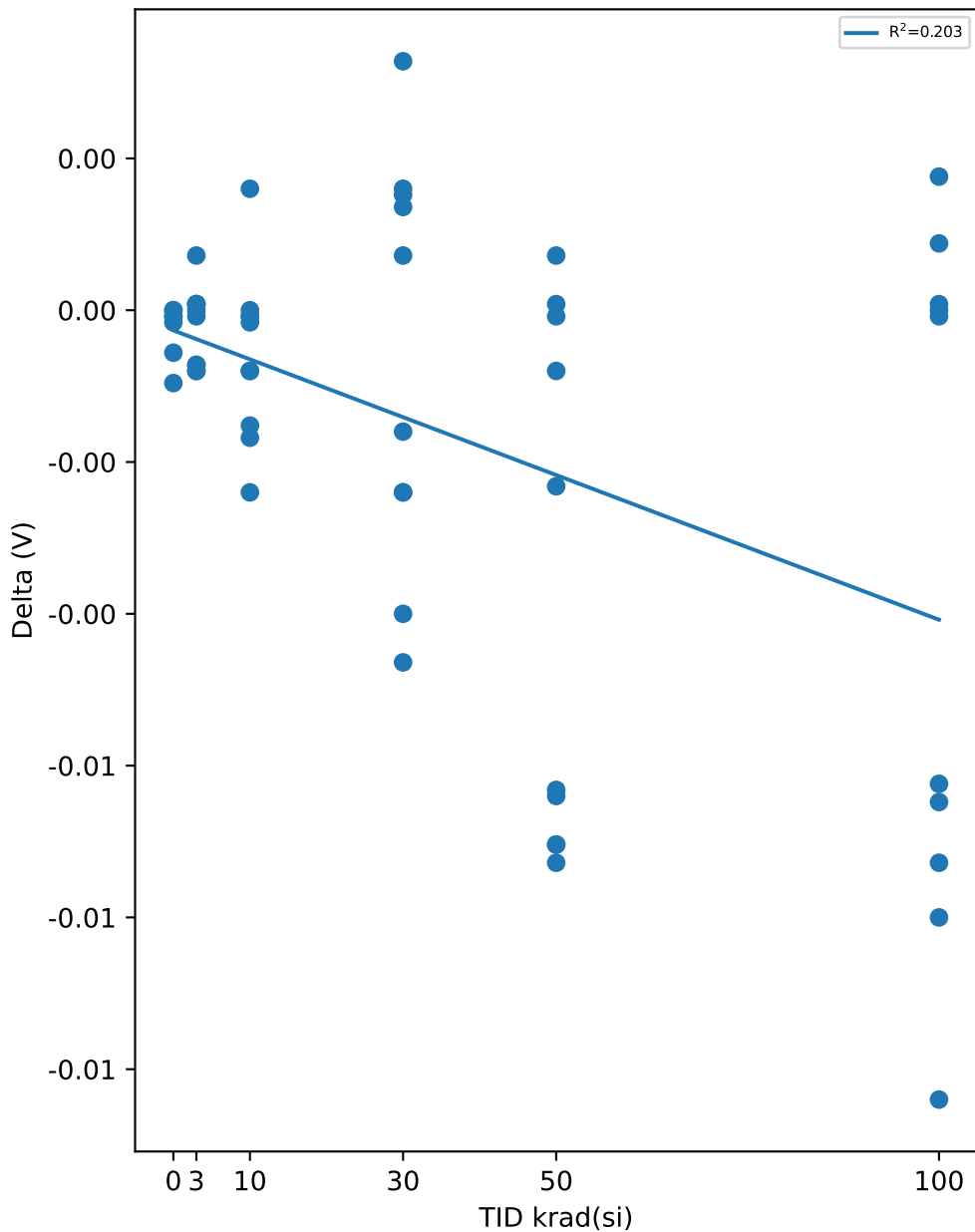
TID vs Result Stats



Test Results (Lower Limit = 0.565, Upper Limit = 0.625 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.6028	0.6029	0.0001
55	3	HDR unbiased	0.6049	0.6058	0.0009
57	3	HDR unbiased	0.5978	0.5979	0.0001
58	3	HDR unbiased	0.6068	0.6069	0.0001
59	3	HDR unbiased	0.6039	0.6038	-0.0001
82	10	HDR unbiased	0.605	0.6048	-0.0002
83	10	HDR unbiased	0.5988	0.5978	-0.001
84	10	HDR unbiased	0.6048	0.6038	-0.001
85	10	HDR unbiased	0.5989	0.6009	0.002
87	10	HDR unbiased	0.6038	0.6038	0
94	30	HDR unbiased	0.5969	0.5986	0.0017
95	30	HDR unbiased	0.5959	0.5968	0.0009
97	30	HDR unbiased	0.6039	0.6059	0.002
98	30	HDR unbiased	0.5958	0.5999	0.0041
99	30	HDR unbiased	0.597	0.5989	0.0019
105	50	HDR unbiased	0.6029	0.6028	-0.0001
107	50	HDR unbiased	0.6029	0.6019	-0.001
108	50	HDR unbiased	0.6039	0.6048	0.0009
109	50	HDR unbiased	0.6029	0.6	-0.0029
110	50	HDR unbiased	0.6038	0.6039	0.0001
121	100	HDR biased	0.6018	0.5888	-0.013
123	100	HDR biased	0.6008	0.5908	-0.01
124	100	HDR biased	0.6037	0.5956	-0.0081
125	100	HDR biased	0.6037	0.5959	-0.0078
126	100	HDR biased	0.6028	0.5937	-0.0091
127	50	HDR biased	0.5998	0.5918	-0.008
128	50	HDR biased	0.6028	0.5937	-0.0091
129	50	HDR biased	0.6067	0.5979	-0.0088
130	50	HDR biased	0.6067	0.5988	-0.0079
132	50	HDR biased	0.6096	0.6008	-0.0088
149	100	HDR unbiased	0.601	0.6009	-0.0001
150	100	HDR unbiased	0.6038	0.6049	0.0011
151	100	HDR unbiased	0.6047	0.6069	0.0022
152	100	HDR unbiased	0.5988	0.5988	0
153	100	HDR unbiased	0.5998	0.5999	0.0001
164	30	HDR biased	0.6006	0.5948	-0.0058
165	30	HDR biased	0.6008	0.5978	-0.003
166	30	HDR biased	0.5998	0.5978	-0.002
168	30	HDR biased	0.6019	0.5969	-0.005
169	30	HDR biased	0.5968	0.5938	-0.003
170	10	HDR biased	0.6058	0.6057	-0.0001
171	10	HDR biased	0.5998	0.5968	-0.003
172	10	HDR biased	0.6038	0.6017	-0.0021
173	10	HDR biased	0.6018	0.6017	-0.0001
174	10	HDR biased	0.5988	0.5969	-0.0019
175	3	HDR biased	0.6037	0.6028	-0.0009
176	3	HDR biased	0.5988	0.5978	-0.001
178	3	HDR biased	0.5988	0.5988	0
179	3	HDR biased	0.6076	0.6067	-0.0009
180	3	HDR biased	0.6007	0.5997	-0.001
187	0	correlation	0.6037	0.6037	0
188	0	correlation	0.5989	0.5988	-0.0001
189	0	correlation	0.6037	0.6036	-0.0001
190	0	correlation	0.5988	0.5988	0
191	0	correlation	0.6049	0.6037	-0.0012
192	0	correlation	0.5986	0.5979	-0.0007
193	0	correlation	0.6059	0.6057	-0.0002

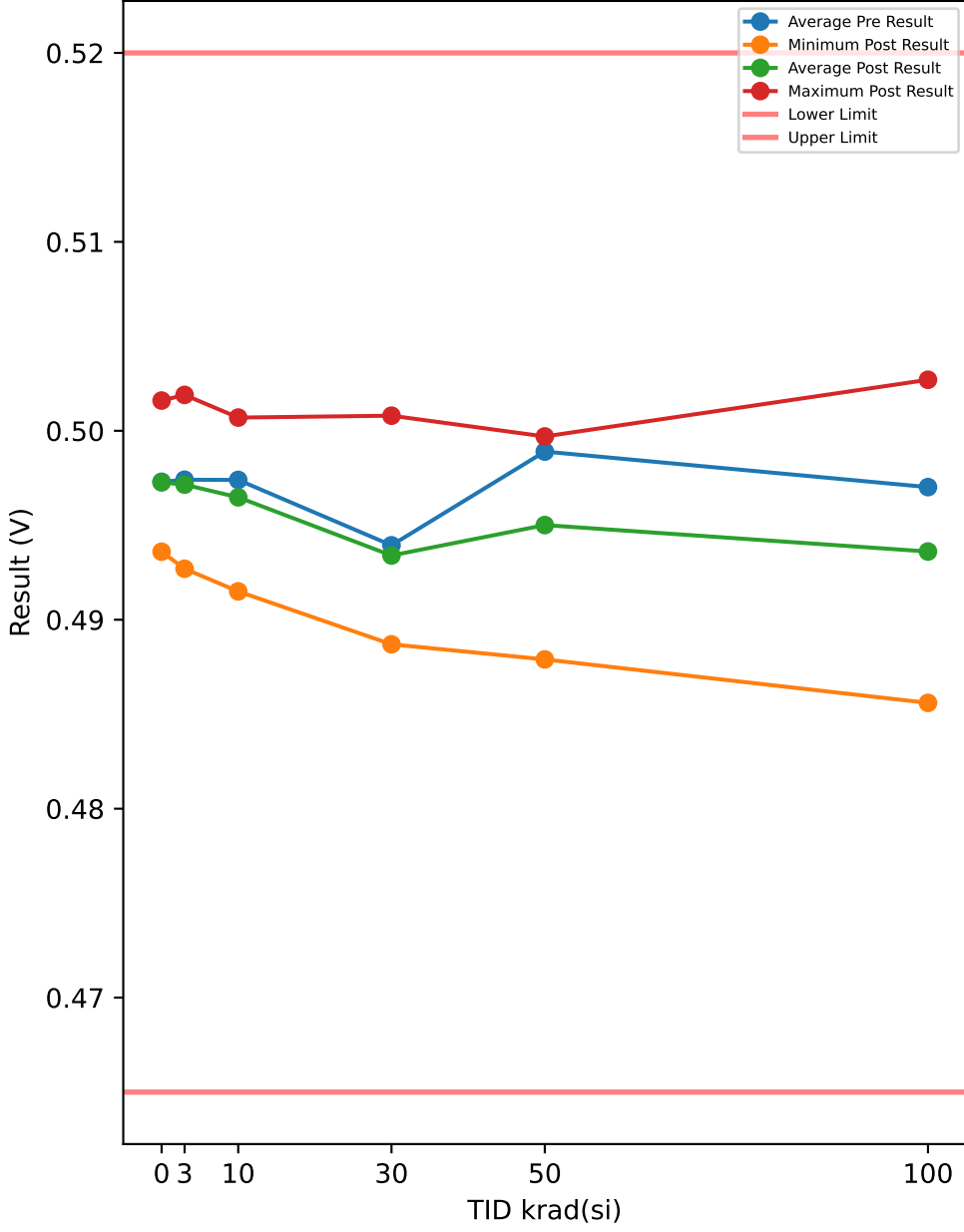
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5986	0.60207	0.6059	0.0031826	0.5979	0.60174	0.6057	0.003132	-0.0012	-0.00032857	0	0.00045356
3	0.5978	0.60258	0.6076	0.0034383	0.5978	0.60231	0.6069	0.0035629	-0.001	-0.00027	0.0009	0.00064472
10	0.5988	0.60213	0.6058	0.0028394	0.5968	0.60139	0.6057	0.0032723	-0.003	-0.00074	0.002	0.0013986
30	0.5958	0.59894	0.6039	0.0028269	0.5938	0.59812	0.6059	0.003294	-0.0058	-0.00082	0.0041	0.0033671
50	0.5998	0.6042	0.6096	0.0027548	0.5918	0.59964	0.6048	0.0042403	-0.0091	-0.00456	0.0009	0.0042999
100	0.5988	0.60209	0.6047	0.0019559	0.5888	0.59762	0.6069	0.005804	-0.013	-0.00447	0.0022	0.0056226

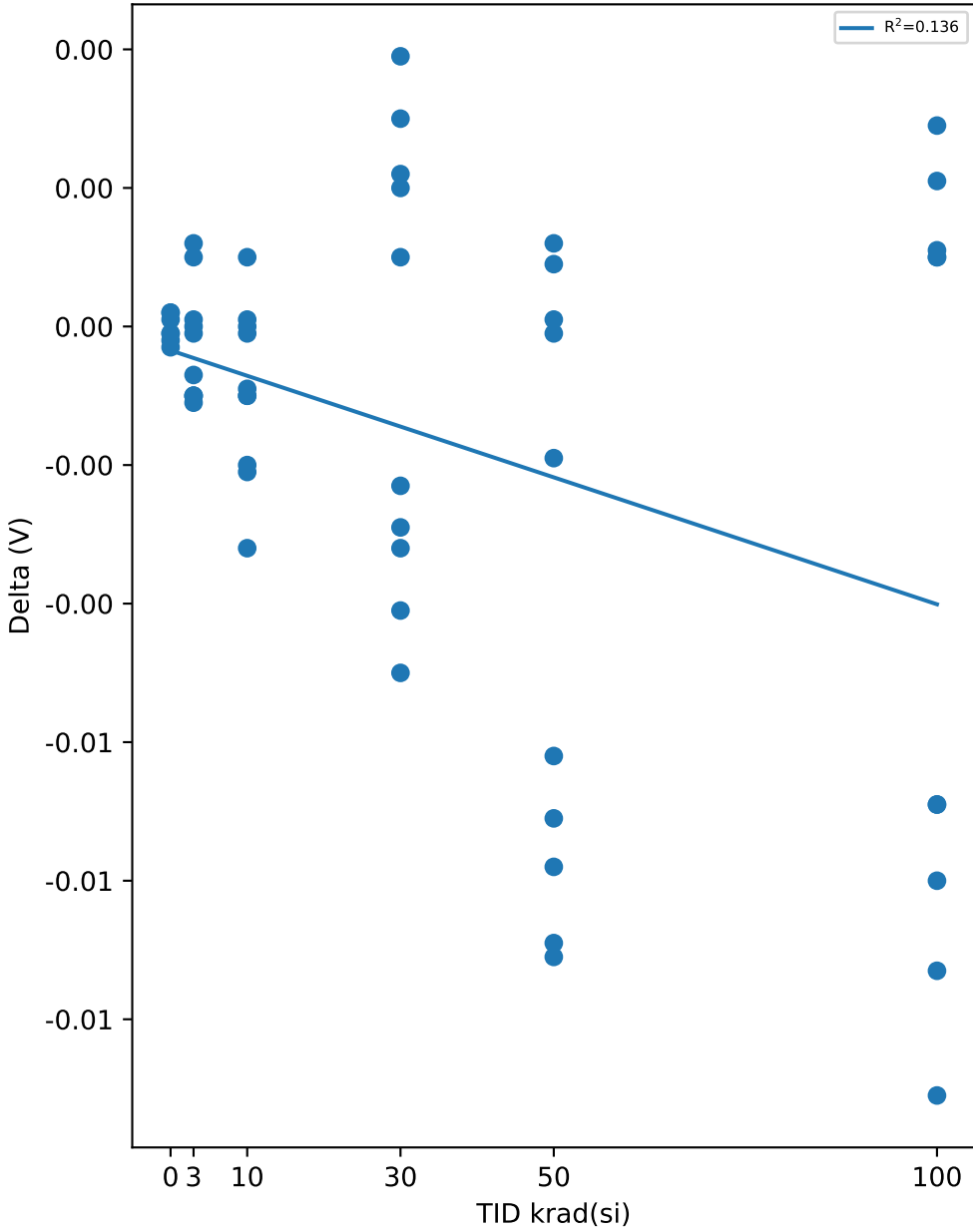
TID vs Result Stats



Test Results (Lower Limit = 0.465, Upper Limit = 0.52 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.4967	0.4977	0.001
55	3	HDR unbiased	0.4998	0.4998	0
57	3	HDR unbiased	0.4928	0.4927	-0.0001
58	3	HDR unbiased	0.5007	0.5019	0.0012
59	3	HDR unbiased	0.4987	0.4988	0.0001
82	10	HDR unbiased	0.4997	0.4996	-0.0001
83	10	HDR unbiased	0.4948	0.4938	-0.001
84	10	HDR unbiased	0.4987	0.4977	-0.001
85	10	HDR unbiased	0.4948	0.4958	0.001
87	10	HDR unbiased	0.4997	0.4997	0
94	30	HDR unbiased	0.4927	0.4949	0.0022
95	30	HDR unbiased	0.4917	0.4927	0.001
97	30	HDR unbiased	0.4988	0.5008	0.002
98	30	HDR unbiased	0.4908	0.4947	0.0039
99	30	HDR unbiased	0.4918	0.4948	0.003
105	50	HDR unbiased	0.4976	0.4977	0.0001
107	50	HDR unbiased	0.4978	0.4977	-0.0001
108	50	HDR unbiased	0.4976	0.4988	0.0012
109	50	HDR unbiased	0.4966	0.4947	-0.0019
110	50	HDR unbiased	0.4988	0.4997	0.0009
121	100	HDR biased	0.4967	0.4856	-0.0111
123	100	HDR biased	0.4957	0.4877	-0.008
124	100	HDR biased	0.4986	0.4917	-0.0069
125	100	HDR biased	0.4986	0.4917	-0.0069
126	100	HDR biased	0.4979	0.4886	-0.0093
127	50	HDR biased	0.4957	0.4879	-0.0078
128	50	HDR biased	0.4986	0.4897	-0.0089
129	50	HDR biased	0.5007	0.4936	-0.0071
130	50	HDR biased	0.5009	0.4947	-0.0062
132	50	HDR biased	0.5047	0.4956	-0.0091
149	100	HDR unbiased	0.4958	0.4968	0.001
150	100	HDR unbiased	0.4987	0.5008	0.0021
151	100	HDR unbiased	0.4998	0.5027	0.0029
152	100	HDR unbiased	0.4937	0.4948	0.0011
153	100	HDR unbiased	0.4947	0.4957	0.001
164	30	HDR biased	0.4957	0.4907	-0.005
165	30	HDR biased	0.4957	0.4925	-0.0032
166	30	HDR biased	0.4949	0.4926	-0.0023
168	30	HDR biased	0.4957	0.4916	-0.0041
169	30	HDR biased	0.4916	0.4887	-0.0029
170	10	HDR biased	0.5006	0.5007	0.0001
171	10	HDR biased	0.4947	0.4915	-0.0032
172	10	HDR biased	0.4987	0.4967	-0.002
173	10	HDR biased	0.4976	0.4967	-0.0009
174	10	HDR biased	0.4947	0.4926	-0.0021
175	3	HDR biased	0.4976	0.4966	-0.001
176	3	HDR biased	0.4949	0.4939	-0.001
178	3	HDR biased	0.4947	0.4936	-0.0011
179	3	HDR biased	0.5016	0.5006	-0.001
180	3	HDR biased	0.4966	0.4959	-0.0007
187	0	correlation	0.4987	0.4989	0.0002
188	0	correlation	0.4946	0.4947	0.0001
189	0	correlation	0.4987	0.4986	-0.0001
190	0	correlation	0.4947	0.4949	0.0002
191	0	correlation	0.4988	0.4986	-0.0002
192	0	correlation	0.4939	0.4936	-0.0003
193	0	correlation	0.5017	0.5016	-0.0001

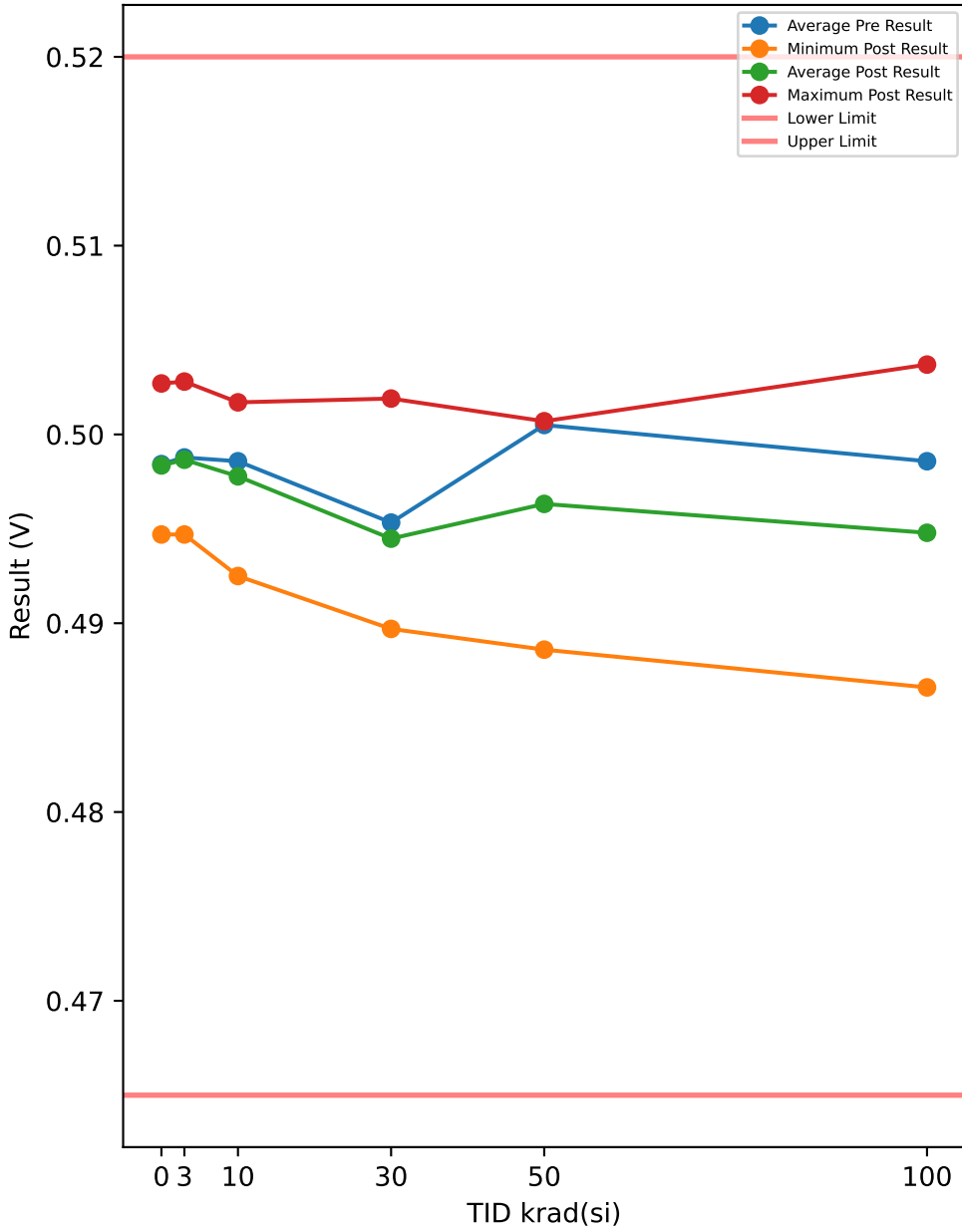
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.4939	0.4973	0.5017	0.0029195	0.4936	0.49727	0.5016	0.002905	-0.0003	-2.8571e-05	0.0002	0.0001976
3	0.4928	0.49741	0.5016	0.0028255	0.4927	0.49715	0.5019	0.0031507	-0.0011	-0.00026	0.0012	0.00084879
10	0.4947	0.4974	0.5006	0.0024115	0.4915	0.49648	0.5007	0.0031091	-0.0032	-0.00092	0.001	0.0012479
30	0.4908	0.49394	0.4988	0.0025885	0.4887	0.4934	0.5008	0.0032527	-0.005	-0.00054	0.0039	0.003281
50	0.4957	0.4989	0.5047	0.0026055	0.4879	0.49501	0.4997	0.0038313	-0.0091	-0.00389	0.0012	0.0042982
100	0.4937	0.49702	0.4998	0.0020016	0.4856	0.49361	0.5027	0.0055953	-0.0111	-0.00341	0.0029	0.0054637

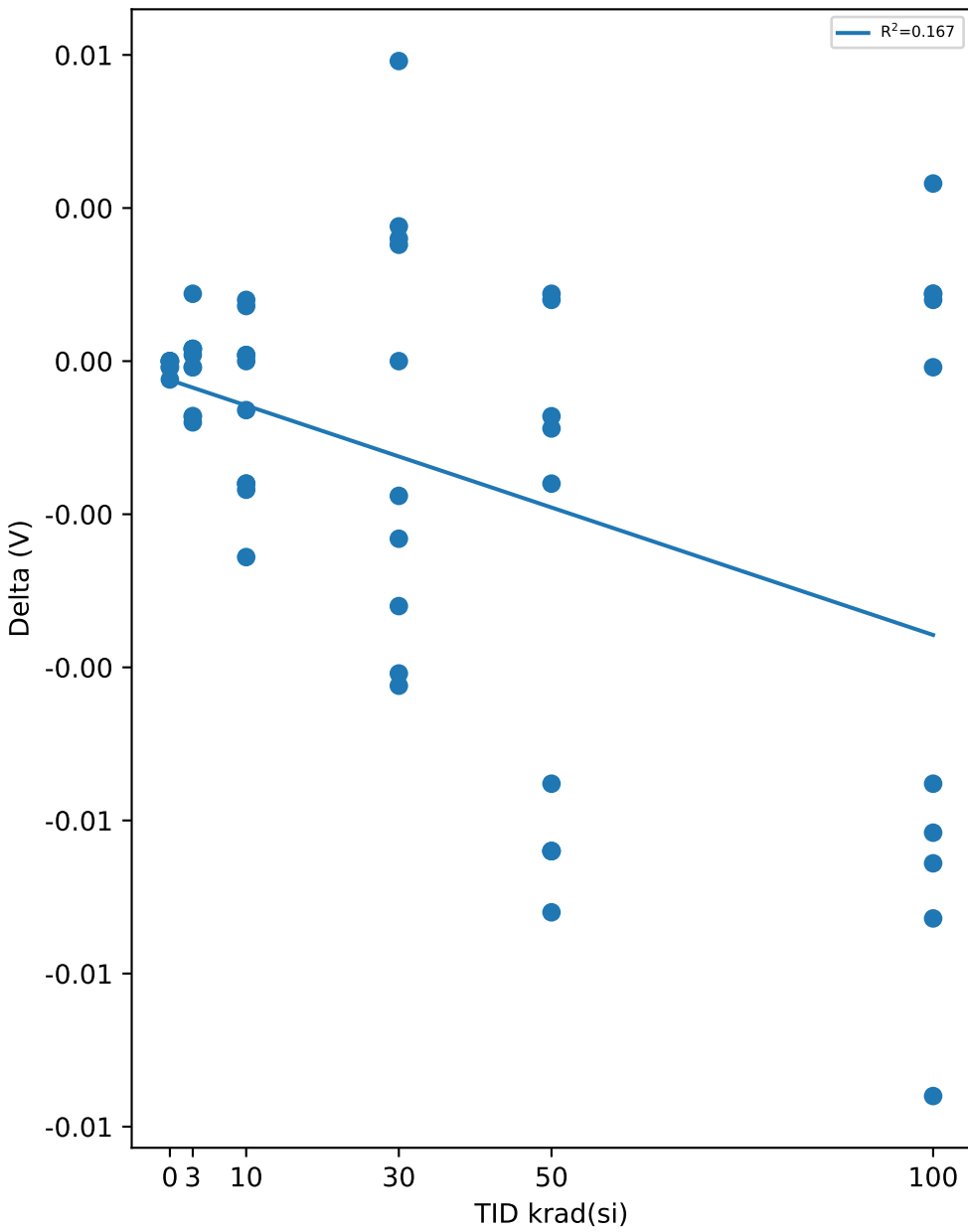
TID vs Result Stats



Test Results (Lower Limit = 0.465, Upper Limit = 0.52 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.4987	0.4989	0.0002
55	3	HDR unbiased	0.5007	0.5018	0.0011
57	3	HDR unbiased	0.4948	0.4947	-0.0001
58	3	HDR unbiased	0.5026	0.5028	0.0002
59	3	HDR unbiased	0.4998	0.4999	0.0001
82	10	HDR unbiased	0.5008	0.5017	0.0009
83	10	HDR unbiased	0.4966	0.4958	-0.0008
84	10	HDR unbiased	0.5008	0.4988	-0.002
85	10	HDR unbiased	0.4957	0.4967	0.001
87	10	HDR unbiased	0.5007	0.5008	0.0001
94	30	HDR unbiased	0.4938	0.4957	0.0019
95	30	HDR unbiased	0.4936	0.4936	0
97	30	HDR unbiased	0.4997	0.5019	0.0022
98	30	HDR unbiased	0.4918	0.4967	0.0049
99	30	HDR unbiased	0.4936	0.4956	0.002
105	50	HDR unbiased	0.4999	0.4988	-0.0011
107	50	HDR unbiased	0.4998	0.4989	-0.0009
108	50	HDR unbiased	0.4997	0.5007	0.001
109	50	HDR unbiased	0.4987	0.4967	-0.002
110	50	HDR unbiased	0.4996	0.5007	0.0011
121	100	HDR biased	0.4986	0.4866	-0.012
123	100	HDR biased	0.4969	0.4887	-0.0082
124	100	HDR biased	0.5006	0.4937	-0.0069
125	100	HDR biased	0.5006	0.4929	-0.0077
126	100	HDR biased	0.4987	0.4896	-0.0091
127	50	HDR biased	0.4966	0.4886	-0.008
128	50	HDR biased	0.4997	0.4907	-0.009
129	50	HDR biased	0.5027	0.4947	-0.008
130	50	HDR biased	0.5026	0.4957	-0.0069
132	50	HDR biased	0.5057	0.4977	-0.008
149	100	HDR unbiased	0.4967	0.4966	-0.0001
150	100	HDR unbiased	0.5007	0.5018	0.0011
151	100	HDR unbiased	0.5008	0.5037	0.0029
152	100	HDR unbiased	0.4956	0.4966	0.001
153	100	HDR unbiased	0.4966	0.4977	0.0011
164	30	HDR biased	0.4969	0.4916	-0.0053
165	30	HDR biased	0.4966	0.4937	-0.0029
166	30	HDR biased	0.4959	0.4937	-0.0022
168	30	HDR biased	0.4977	0.4926	-0.0051
169	30	HDR biased	0.4937	0.4897	-0.004
170	10	HDR biased	0.5016	0.5016	0
171	10	HDR biased	0.4957	0.4925	-0.0032
172	10	HDR biased	0.4996	0.4976	-0.002
173	10	HDR biased	0.4986	0.4987	0.0001
174	10	HDR biased	0.4957	0.4936	-0.0021
175	3	HDR biased	0.4996	0.4987	-0.0009
176	3	HDR biased	0.4956	0.4947	-0.0009
178	3	HDR biased	0.4957	0.4959	0.0002
179	3	HDR biased	0.5027	0.5026	-0.0001
180	3	HDR biased	0.4976	0.4966	-0.001
187	0	correlation	0.4997	0.4994	-0.0003
188	0	correlation	0.4957	0.4957	0
189	0	correlation	0.4997	0.4997	0
190	0	correlation	0.4958	0.4957	-0.0001
191	0	correlation	0.5007	0.5006	-0.0001
192	0	correlation	0.4947	0.4947	0
193	0	correlation	0.5027	0.5027	0

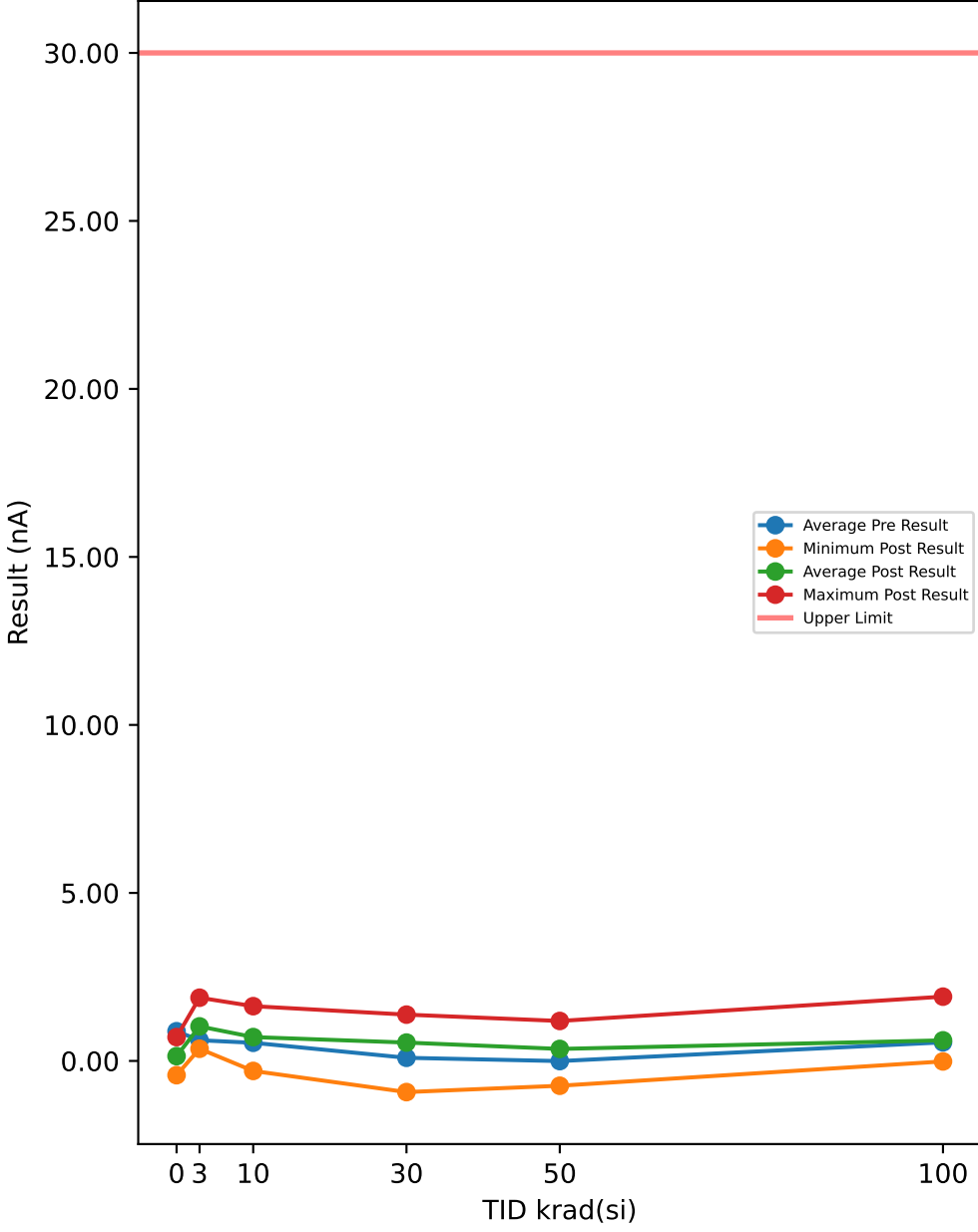
TID vs Post - Pre Exposure Delta



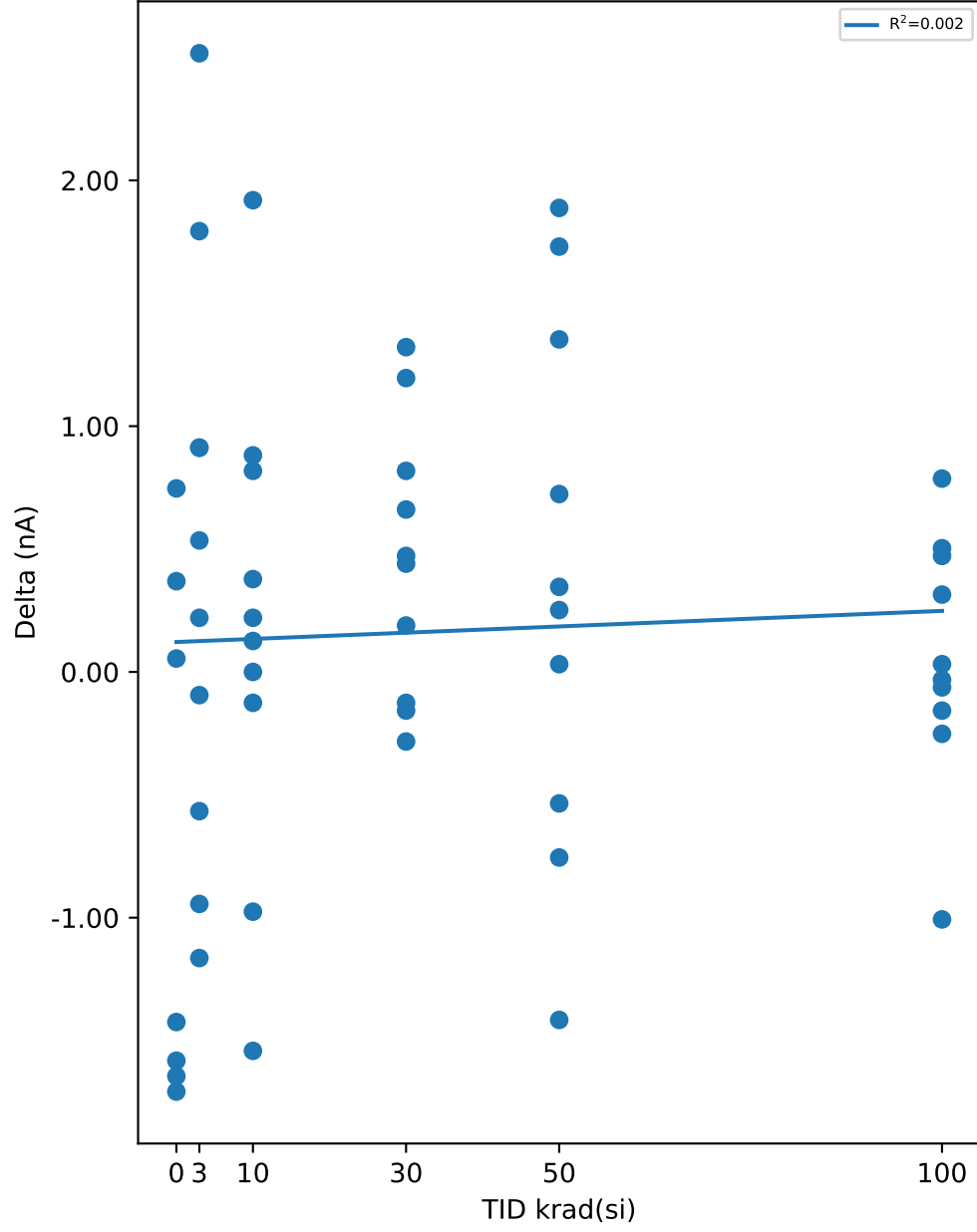
Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.4947	0.49843	0.5027	0.0030247	0.4947	0.49836	0.5027	0.0030077	-0.0003	-7.1429e-05	0	0.00011127
3	0.4948	0.49878	0.5027	0.0028323	0.4947	0.49866	0.5028	0.0031153	-0.001	-0.00012	0.0011	0.00065286
10	0.4957	0.49858	0.5016	0.0024339	0.4925	0.49778	0.5017	0.0031874	-0.0032	-0.0008	0.001	0.0014422
30	0.4918	0.49533	0.4997	0.0024166	0.4897	0.49448	0.5019	0.0033233	-0.0053	-0.00085	0.0049	0.0035369
50	0.4966	0.5005	0.5057	0.0025316	0.4886	0.49632	0.5007	0.0040472	-0.009	-0.00418	0.0011	0.0041381
100	0.4956	0.49858	0.5008	0.0020209	0.4866	0.49479	0.5037	0.0055718	-0.012	-0.00379	0.0029	0.0054686

TID vs Result Stats



TID vs Post - Pre Exposure Delta

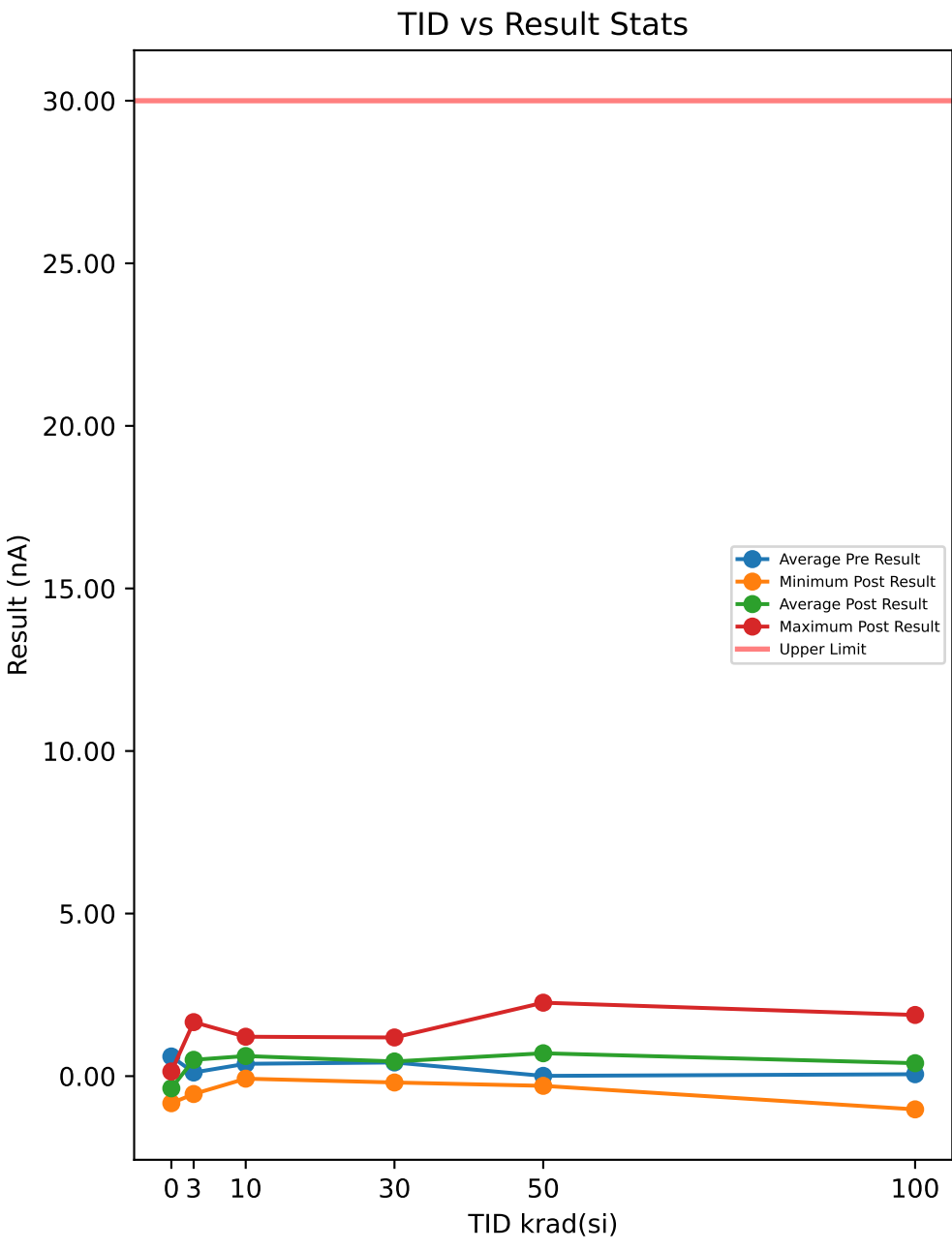


Test Results (Upper Limit = 30.0 (nA))

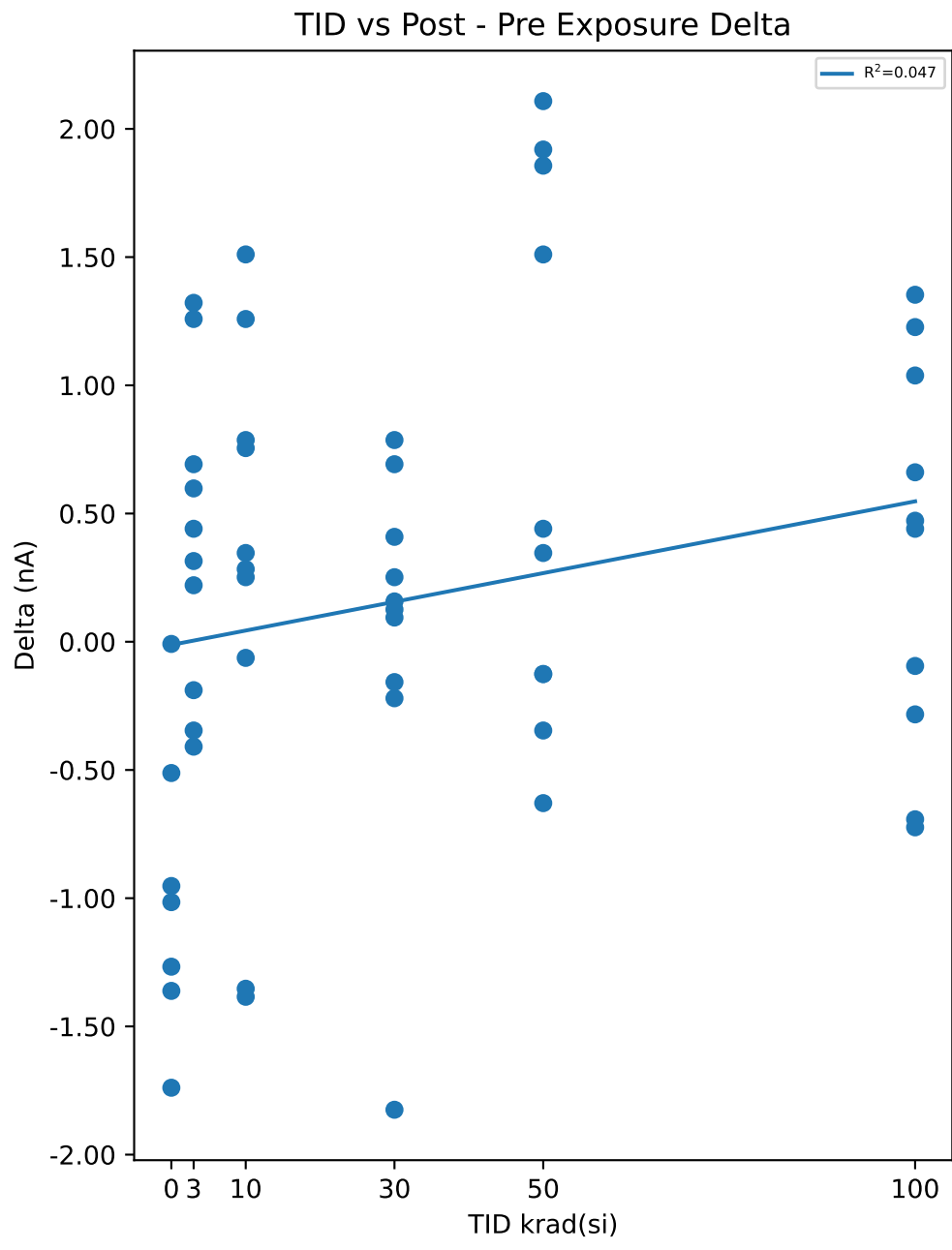
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	2.1646	1.0004	-1.1642
55	3	HDR unbiased	-0.0065	0.906	0.9125
57	3	HDR unbiased	1.6612	1.8814	0.2202
58	3	HDR unbiased	2.0702	1.1262	-0.944
59	3	HDR unbiased	1.6926	1.1262	-0.5664
82	10	HDR unbiased	2.5422	1.0004	-1.5418
83	10	HDR unbiased	1.1577	1.378	0.2203
84	10	HDR unbiased	1.2836	0.3081	-0.9755
85	10	HDR unbiased	1.7555	1.6297	-0.1258
87	10	HDR unbiased	0.4654	1.2836	0.8182
94	30	HDR unbiased	1.0318	0.906	-0.1258
95	30	HDR unbiased	0.5284	0.2452	-0.2832
97	30	HDR unbiased	0.7172	1.378	0.6608
98	30	HDR unbiased	-0.1324	1.0633	1.1957
99	30	HDR unbiased	0.4654	0.6542	0.1888
105	50	HDR unbiased	1.2206	-0.1953	-1.4159
107	50	HDR unbiased	0.4654	1.1892	0.7238
108	50	HDR unbiased	1.2836	0.7486	-0.535
109	50	HDR unbiased	0.0564	0.4025	0.3461
110	50	HDR unbiased	-0.0065	0.2452	0.2517
121	100	HDR biased	-0.0465	-0.015	0.0315
123	100	HDR biased	0.0164	0.3311	0.3147
124	100	HDR biased	-0.2038	0.2996	0.5034
125	100	HDR biased	-0.2982	0.1738	0.472
126	100	HDR biased	-0.2667	0.5199	0.7866
127	50	HDR biased	-1.4624	0.2682	1.7306
128	50	HDR biased	0.1423	0.1738	0.0315
129	50	HDR biased	-0.6443	0.7087	1.353
130	50	HDR biased	-1.1163	0.7716	1.8879
132	50	HDR biased	0.0164	-0.7387	-0.7551
149	100	HDR unbiased	0.8116	0.5598	-0.2518
150	100	HDR unbiased	1.2521	1.2206	-0.0315
151	100	HDR unbiased	1.5668	0.5598	-1.007
152	100	HDR unbiased	1.9758	1.9129	-0.0629
153	100	HDR unbiased	0.7172	0.5598	-0.1574
164	30	HDR biased	0.8031	0.6458	-0.1573
165	30	HDR biased	0.1423	0.9604	0.8181
166	30	HDR biased	-1.1792	0.1423	1.3215
168	30	HDR biased	-0.0779	0.394	0.4719
169	30	HDR biased	-1.368	-0.9275	0.4405
170	10	HDR biased	0.0164	0.394	0.3776
171	10	HDR biased	0.2996	0.2996	0
172	10	HDR biased	-0.8961	-0.015	0.8811
173	10	HDR biased	-0.4241	-0.2982	0.1259
174	10	HDR biased	-0.8017	1.1177	1.9194
175	3	HDR biased	-0.6443	1.1492	1.7935
176	3	HDR biased	-1.0219	1.4953	2.5172
178	3	HDR biased	0.1108	0.6458	0.535
179	3	HDR biased	-0.3297	0.5828	0.9125
180	3	HDR biased	0.457	0.3626	-0.0944
187	0	correlation	1.6297	-0.0779	-1.7076
188	0	correlation	1.6612	0.2367	-1.4245
189	0	correlation	1.6297	0.0479	-1.5818
190	0	correlation	0.3396	0.7087	0.3691
191	0	correlation	0.1822	0.2367	0.0545
192	0	correlation	1.2206	-0.4241	-1.6447
193	0	correlation	-0.4785	0.2682	0.7467

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	-0.4785	0.8835	1.6612	0.86359	-0.4241	0.14231	0.7087	0.34945	-1.7076	-0.74119	0.7467	1.0804
3	-1.0219	0.6154	2.1646	1.1831	0.3626	1.0276	1.8814	0.44514	-1.1642	0.41219	2.5172	1.1752
10	-0.8961	0.53985	2.5422	1.1329	-0.2982	0.70979	1.6297	0.6535	-1.5418	0.16994	1.9194	0.96567
30	-1.368	0.09307	1.0318	0.81233	-0.9275	0.54617	1.378	0.64382	-0.2832	0.4531	1.3215	0.55799
50	-1.4624	-0.00448	1.2836	0.89303	-0.7387	0.35738	1.1892	0.54804	-1.4159	0.36186	1.8879	1.0878
100	-0.2982	0.55247	1.9758	0.83342	-0.015	0.61223	1.9129	0.56185	-1.007	0.05976	0.7866	0.50182



Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	1.1892	1.0004	-0.1888
55	3	HDR unbiased	0.8745	0.5284	-0.3461
57	3	HDR unbiased	1.0633	1.6612	0.5979
58	3	HDR unbiased	0.3396	1.6612	1.3216
59	3	HDR unbiased	1.7241	1.315	-0.4091
82	10	HDR unbiased	1.7241	0.371	-1.3531
83	10	HDR unbiased	2.0073	0.6228	-1.3845
84	10	HDR unbiased	0.8116	1.0633	0.2517
85	10	HDR unbiased	0.843	0.7801	-0.0629
87	10	HDR unbiased	-0.2268	0.5284	0.7552
94	30	HDR unbiased	1.6297	-0.1953	-1.825
95	30	HDR unbiased	1.3465	1.1892	-0.1573
97	30	HDR unbiased	0.3081	0.7172	0.4091
98	30	HDR unbiased	0.9689	1.0633	0.0944
99	30	HDR unbiased	-0.2897	0.4969	0.7866
105	50	HDR unbiased	1.315	0.9689	-0.3461
107	50	HDR unbiased	0.1508	2.259	2.1082
108	50	HDR unbiased	-0.8247	1.0948	1.9195
109	50	HDR unbiased	0.5913	-0.038	-0.6293
110	50	HDR unbiased	0.6542	1.0948	0.4406
121	100	HDR biased	-0.5814	-0.1094	0.472
123	100	HDR biased	-1.2107	0.0164	1.2271
124	100	HDR biased	-0.6129	0.7402	1.3531
125	100	HDR biased	-0.2982	-1.0219	-0.7237
126	100	HDR biased	-1.0219	-0.3611	0.6608
127	50	HDR biased	0.2367	0.1108	-0.1259
128	50	HDR biased	-0.9905	0.866	1.8565
129	50	HDR biased	-0.0465	0.2996	0.3461
130	50	HDR biased	-0.8331	0.6772	1.5103
132	50	HDR biased	-0.1723	-0.2982	-0.1259
149	100	HDR unbiased	1.3465	1.0633	-0.2832
150	100	HDR unbiased	-0.7617	0.2766	1.0383
151	100	HDR unbiased	1.2521	0.5598	-0.6923
152	100	HDR unbiased	1.4409	1.8814	0.4405
153	100	HDR unbiased	1.0318	0.9374	-0.0944
164	30	HDR biased	-0.4241	0.2682	0.6923
165	30	HDR biased	0.0794	-0.1409	-0.2203
166	30	HDR biased	0.0794	0.2367	0.1573
168	30	HDR biased	0.0479	0.2996	0.2517
169	30	HDR biased	0.457	0.5828	0.1258
170	10	HDR biased	0.0479	0.394	0.3461
171	10	HDR biased	-0.6129	0.8975	1.5104
172	10	HDR biased	-0.3611	-0.0779	0.2832
173	10	HDR biased	-0.3926	0.394	0.7866
174	10	HDR biased	-0.0465	1.2121	1.2586
175	3	HDR biased	-1.0534	-0.3611	0.6923
176	3	HDR biased	-0.7702	-0.5499	0.2203
178	3	HDR biased	-1.0534	0.2052	1.2586
179	3	HDR biased	-0.7073	-0.2667	0.4406
180	3	HDR biased	-0.487	-0.1723	0.3147
187	0	correlation	0.906	-0.4555	-1.3615
188	0	correlation	0.906	-0.1094	-1.0154
189	0	correlation	-0.1324	-0.6443	-0.5119
190	0	correlation	1.4094	0.1423	-1.2671
191	0	correlation	0.2452	-0.7073	-0.9525
192	0	correlation	-0.0065	-0.015	-0.0085
193	0	correlation	0.906	-0.8331	-1.7391

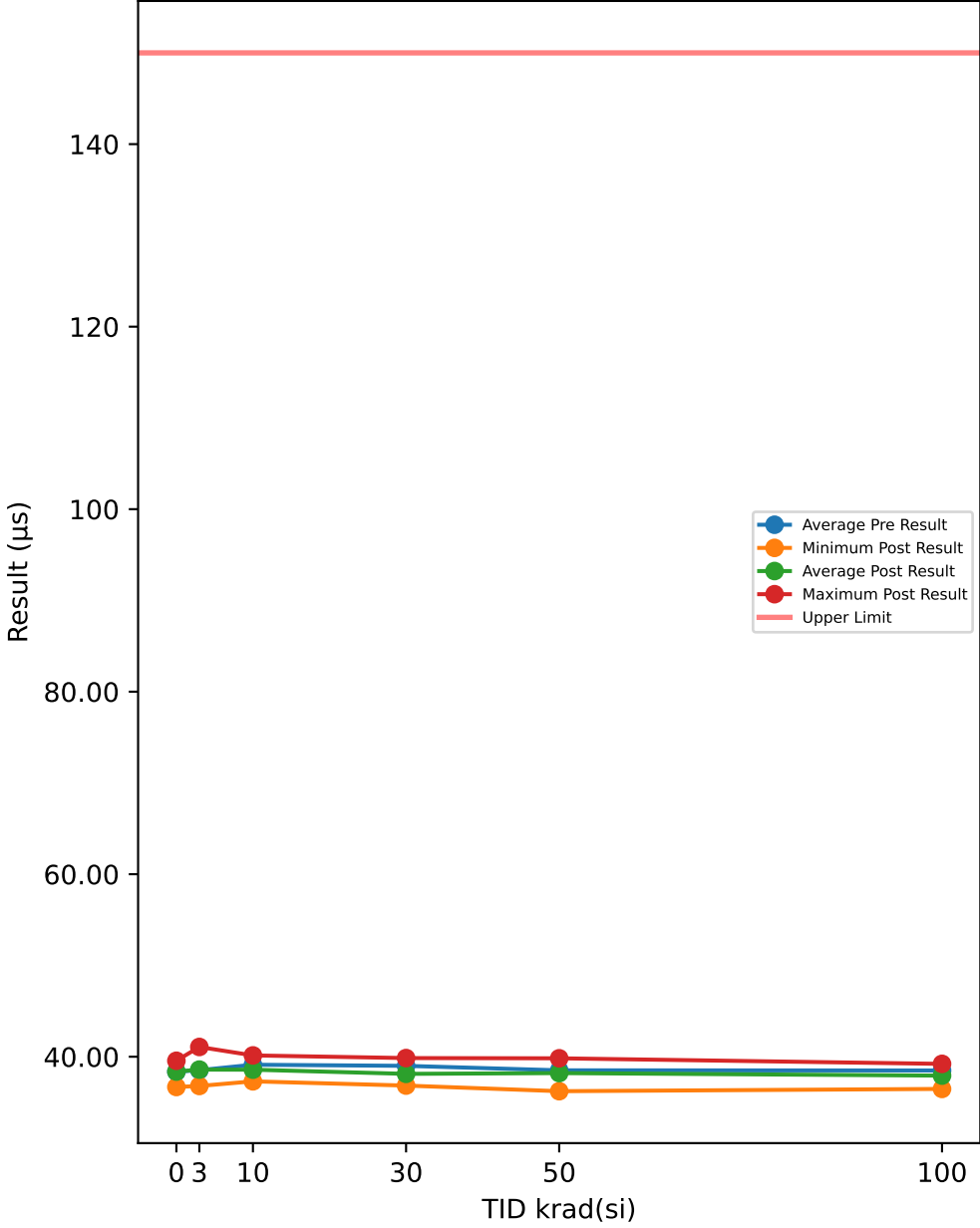


Test Statistics (nA)

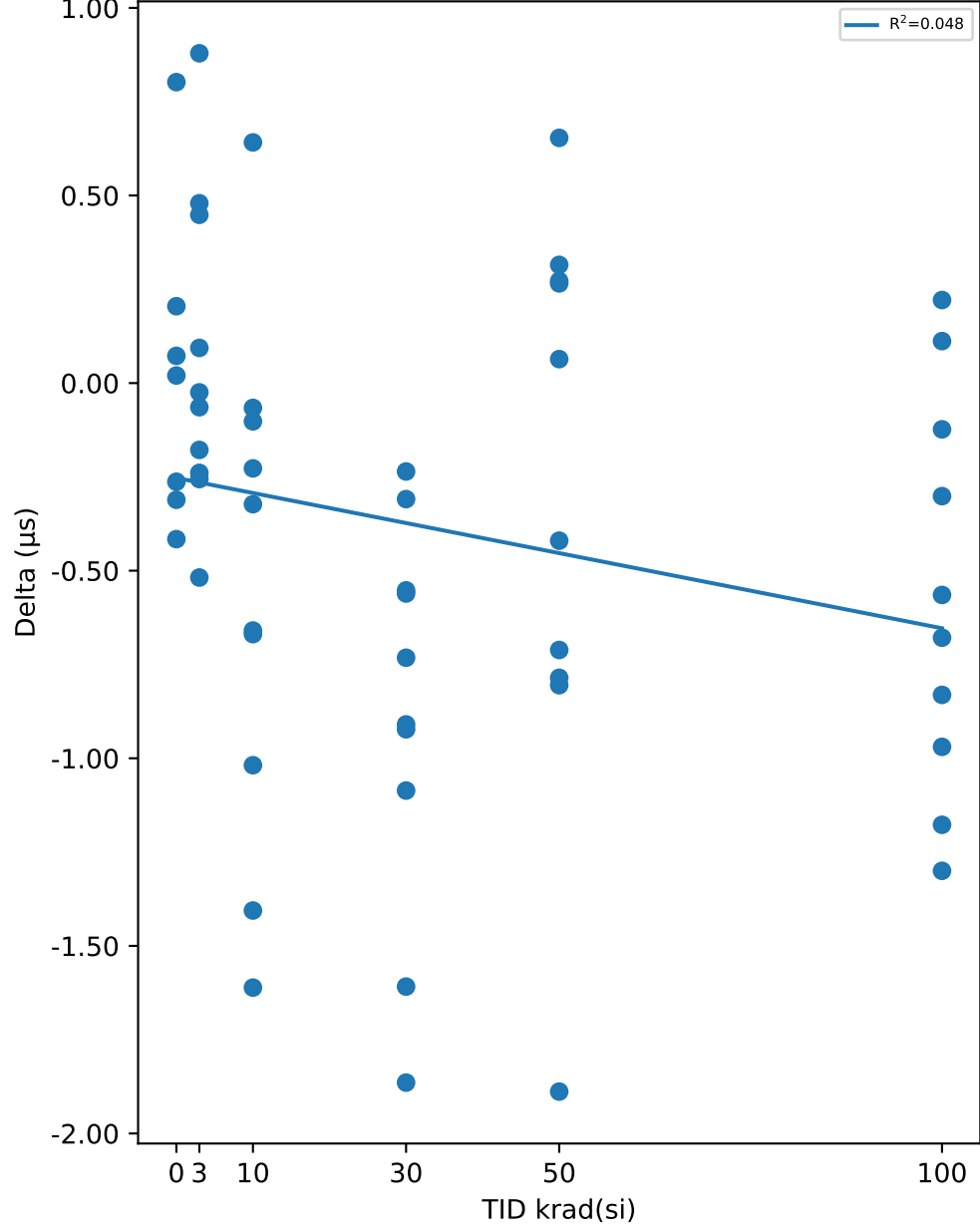
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	-0.1324	0.60481	1.4094	0.57242	-0.8331	-0.37461	0.1423	0.38014	-1.7391	-0.97943	-0.0085	0.57288
3	-1.0534	0.11194	1.7241	1.0447	-0.5499	0.50214	1.6612	0.85522	-0.4091	0.3902	1.3216	0.60639
10	-0.6129	0.3794	2.0073	0.92182	-0.0779	0.61853	1.2121	0.38142	-1.3845	0.23913	1.5104	0.97169
30	-0.4241	0.42031	1.6297	0.68505	-0.1953	0.45177	1.1892	0.4571	-1.825	0.03146	0.7866	0.72818
50	-0.9905	0.00809	1.315	0.74327	-0.2982	0.70349	2.259	0.73719	-0.6293	0.6954	2.1082	1.0479
100	-1.2107	0.05845	1.4409	1.0739	-1.0219	0.39827	1.8814	0.82243	-0.7237	0.33982	1.3531	0.76052

Device Test: 13.24 T_EN_DELAY(THRESHOLD|DELAY/EN/2.25/0.6//10//@T_EN_DELAY)

TID vs Result Stats



TID vs Post - Pre Exposure Delta

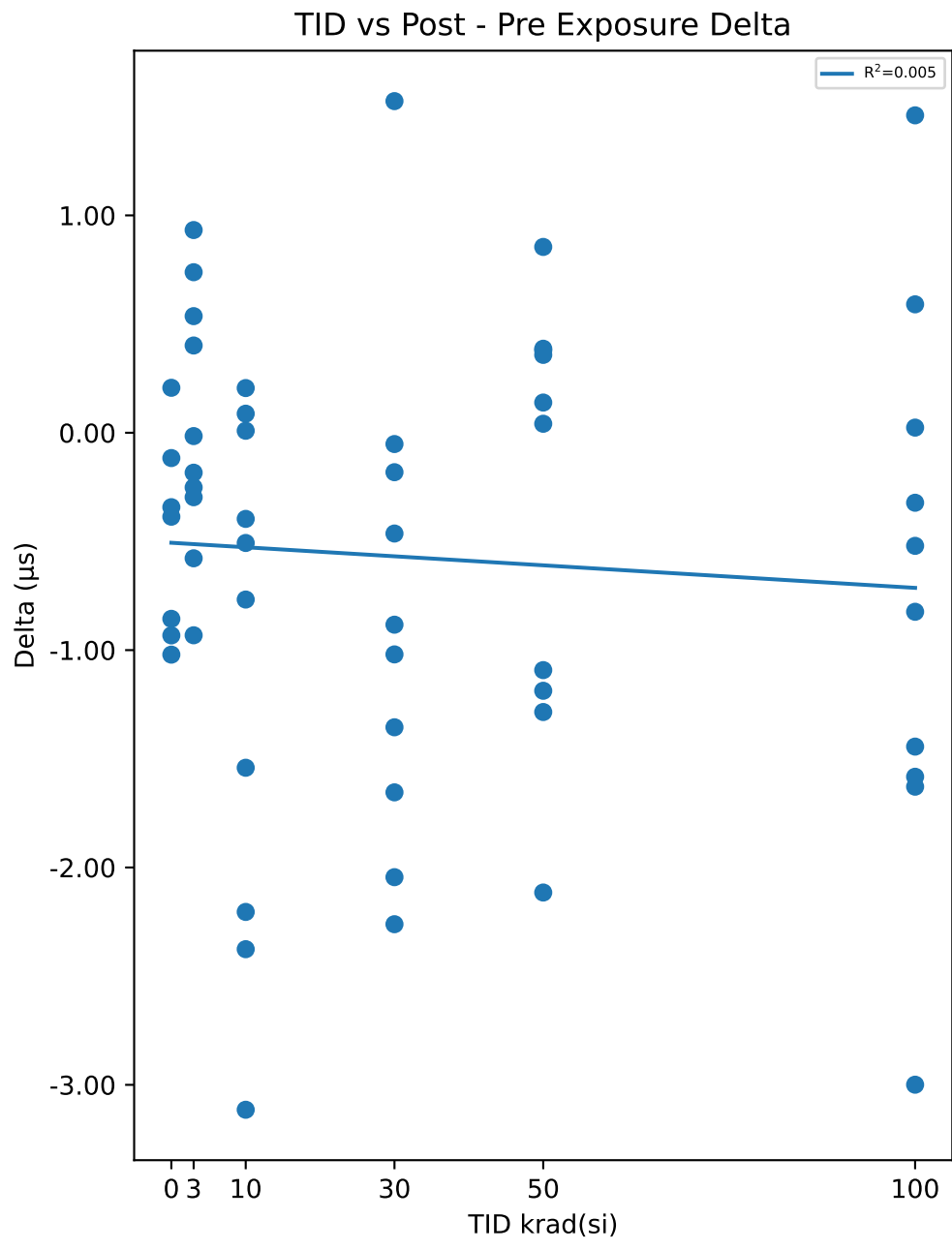
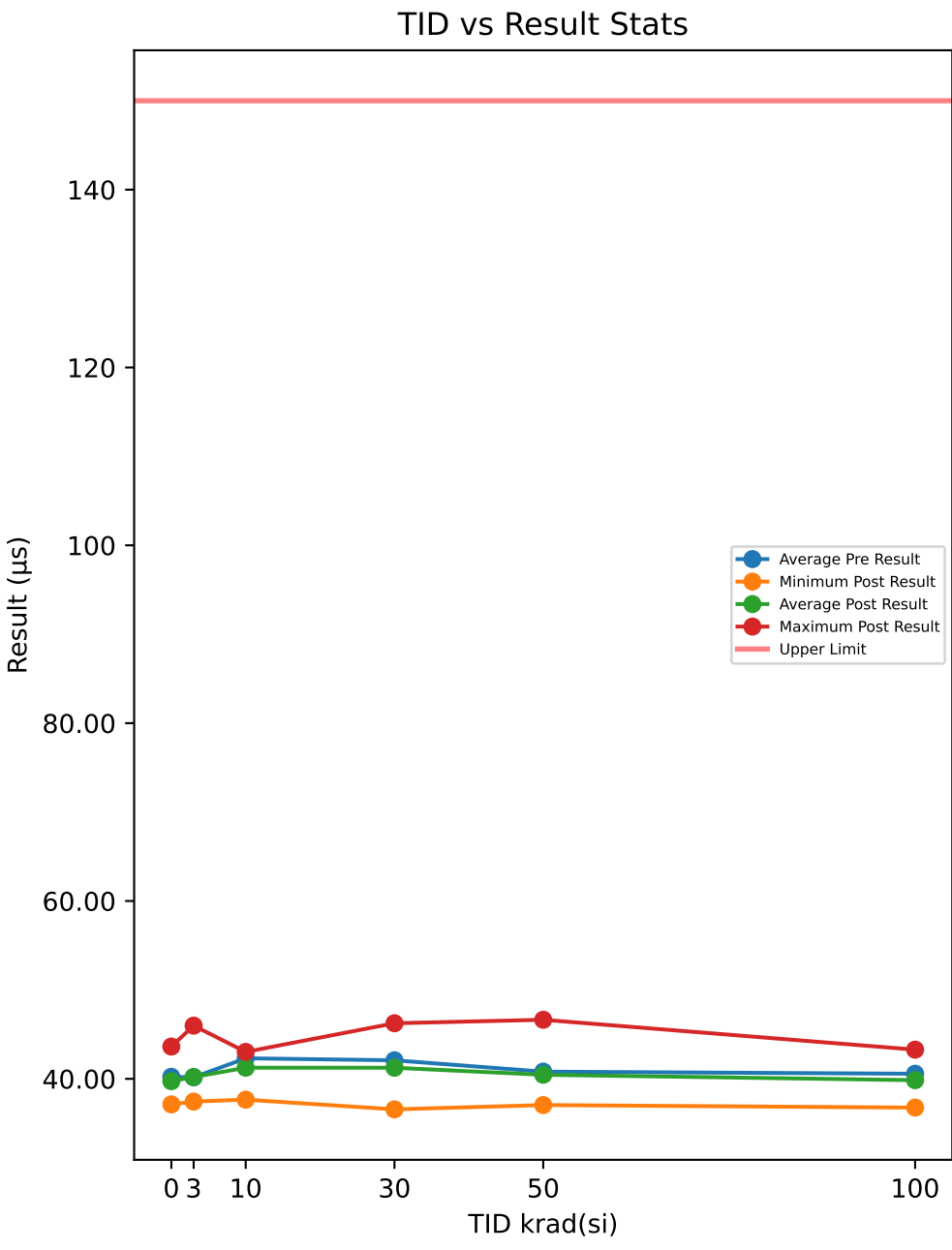


Test Results (Upper Limit = 150.0 (µs))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	40.192	41.071	0.8791
55	3	HDR unbiased	37.051	36.795	-0.2558
57	3	HDR unbiased	38.122	37.604	-0.5182
58	3	HDR unbiased	38.95	38.885	-0.0643
59	3	HDR unbiased	39.466	39.227	-0.2393
82	10	HDR unbiased	38.436	38.37	-0.0661
83	10	HDR unbiased	38.278	37.609	-0.6691
84	10	HDR unbiased	39.619	38.959	-0.6595
85	10	HDR unbiased	40.05	38.644	-1.4058
87	10	HDR unbiased	39.949	38.338	-1.6112
94	30	HDR unbiased	38.01	37.088	-0.9227
95	30	HDR unbiased	40.939	39.853	-1.086
97	30	HDR unbiased	38.703	36.839	-1.8644
98	30	HDR unbiased	40.679	39.071	-1.6085
99	30	HDR unbiased	38.966	38.234	-0.732
105	50	HDR unbiased	38.283	38.937	0.6536
107	50	HDR unbiased	35.951	36.223	0.2721
108	50	HDR unbiased	39.562	39.828	0.2657
109	50	HDR unbiased	38.194	38.509	0.3151
110	50	HDR unbiased	39.02	38.235	-0.7855
121	100	HDR biased	37.782	37.104	-0.6786
123	100	HDR biased	38.414	37.85	-0.5647
124	100	HDR biased	37.772	36.472	-1.3
125	100	HDR biased	39.118	37.941	-1.1773
126	100	HDR biased	39.888	39.057	-0.831
127	50	HDR biased	39.558	38.753	-0.8052
128	50	HDR biased	37.465	36.753	-0.7113
129	50	HDR biased	41.424	39.536	-1.8884
130	50	HDR biased	37.899	37.479	-0.42
132	50	HDR biased	37.75	37.813	0.0639
149	100	HDR unbiased	38.01	37.887	-0.1233
150	100	HDR unbiased	38.587	38.699	0.1119
151	100	HDR unbiased	37.265	37.487	0.2214
152	100	HDR unbiased	38.56	37.591	-0.9695
153	100	HDR unbiased	39.519	39.217	-0.3013
164	30	HDR biased	37.227	36.918	-0.3092
165	30	HDR biased	40.343	39.434	-0.9097
166	30	HDR biased	38.978	38.418	-0.5608
168	30	HDR biased	37.994	37.441	-0.5525
169	30	HDR biased	38.166	37.931	-0.2356
170	10	HDR biased	38.432	39.074	0.6415
171	10	HDR biased	39.774	38.756	-1.0185
172	10	HDR biased	37.531	37.304	-0.2273
173	10	HDR biased	38.917	38.594	-0.3228
174	10	HDR biased	40.246	40.144	-0.102
175	3	HDR biased	38.005	37.98	-0.0247
176	3	HDR biased	39.546	40.026	0.4793
178	3	HDR biased	38.65	39.099	0.4485
179	3	HDR biased	38.032	37.854	-0.1781
180	3	HDR biased	37.256	37.35	0.0938
187	0	correlation	38.41	39.212	0.8022
188	0	correlation	39.351	39.556	0.2049
189	0	correlation	39.209	38.946	-0.2629
190	0	correlation	37.454	37.527	0.0726
191	0	correlation	36.664	36.684	0.0202
192	0	correlation	38.596	38.18	-0.4159
193	0	correlation	38.805	38.494	-0.311

Test Statistics (µs)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	36.664	38.356	39.351	0.97113	36.684	38.371	39.556	1.0046	-0.4159	0.015729	0.8022	0.41398
3	37.051	38.527	40.192	1.0199	36.795	38.589	41.071	1.3171	-0.5182	0.06203	0.8791	0.42186
10	37.531	39.123	40.246	0.92571	37.304	38.579	40.144	0.78476	-1.6112	-0.54408	0.6415	0.67611
30	37.227	39.001	40.939	1.2606	36.839	38.122	39.853	1.0741	-1.8644	-0.87814	-0.2356	0.52883
50	35.951	38.511	41.424	1.4797	36.223	38.207	39.828	1.1571	-1.8884	-0.304	0.6536	0.76484
100	37.265	38.492	39.888	0.82816	36.472	37.93	39.217	0.8593	-1.3	-0.56124	0.2214	0.52742



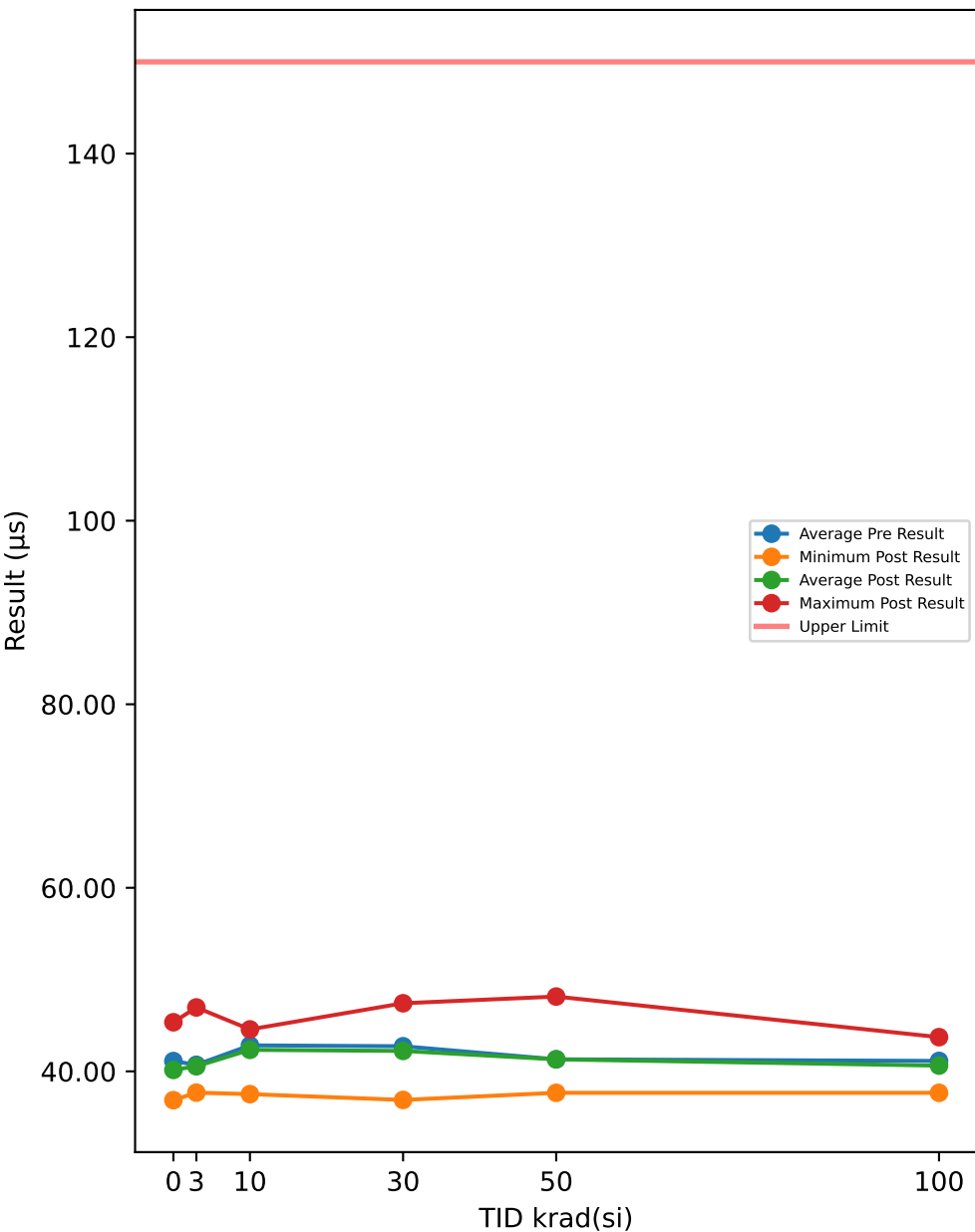
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	46.558	45.98	-0.5776
55	3	HDR unbiased	40.419	39.487	-0.9317
57	3	HDR unbiased	37.907	37.723	-0.1837
58	3	HDR unbiased	40.511	41.25	0.7386
59	3	HDR unbiased	40.025	40.562	0.5365
82	10	HDR unbiased	43.801	42.26	-1.5412
83	10	HDR unbiased	42.073	39.697	-2.3759
84	10	HDR unbiased	42.924	42.156	-0.7673
85	10	HDR unbiased	44.351	42.146	-2.2045
87	10	HDR unbiased	44.839	41.724	-3.1146
94	30	HDR unbiased	39.632	37.977	-1.6544
95	30	HDR unbiased	47.27	46.25	-1.0197
97	30	HDR unbiased	41.867	39.606	-2.261
98	30	HDR unbiased	44.856	43.502	-1.355
99	30	HDR unbiased	44.592	42.548	-2.0446
105	50	HDR unbiased	41.575	41.617	0.0414
107	50	HDR unbiased	39.215	38.028	-1.187
108	50	HDR unbiased	40.136	40.522	0.3866
109	50	HDR unbiased	39.616	40.471	0.8549
110	50	HDR unbiased	43.674	41.559	-2.1152
121	100	HDR biased	38.312	37.792	-0.5203
123	100	HDR biased	38.46	38.484	0.0237
124	100	HDR biased	39.762	36.762	-2.9993
125	100	HDR biased	43.603	43.281	-0.322
126	100	HDR biased	41.147	39.519	-1.6283
127	50	HDR biased	44.497	43.405	-1.092
128	50	HDR biased	36.995	37.374	0.3792
129	50	HDR biased	46.502	46.641	0.139
130	50	HDR biased	37.527	37.885	0.3583
132	50	HDR biased	38.334	37.05	-1.2848
149	100	HDR unbiased	39.764	40.355	0.5908
150	100	HDR unbiased	40.509	39.686	-0.8236
151	100	HDR unbiased	38.47	39.93	1.4603
152	100	HDR unbiased	40.999	39.417	-1.5826
153	100	HDR unbiased	44.671	43.227	-1.4439
164	30	HDR biased	41.78	40.897	-0.883
165	30	HDR biased	42.551	42.499	-0.0519
166	30	HDR biased	41.194	42.719	1.5257
168	30	HDR biased	36.747	36.565	-0.1815
169	30	HDR biased	40.346	39.883	-0.4636
170	10	HDR biased	41.566	41.17	-0.3963
171	10	HDR biased	41.113	41.201	0.0877
172	10	HDR biased	37.452	37.657	0.2056
173	10	HDR biased	41.437	41.446	0.0092
174	10	HDR biased	43.536	43.029	-0.5071
175	3	HDR biased	37.851	37.554	-0.2966
176	3	HDR biased	40.461	41.393	0.9326
178	3	HDR biased	42.44	42.842	0.4014
179	3	HDR biased	37.831	37.815	-0.0153
180	3	HDR biased	37.693	37.441	-0.2516
187	0	correlation	41.275	40.419	-0.8561
188	0	correlation	44.651	43.63	-1.0208
189	0	correlation	41.371	41.578	0.2069
190	0	correlation	38.916	38.573	-0.3424
191	0	correlation	37.241	37.124	-0.1164
192	0	correlation	39.347	38.415	-0.9323
193	0	correlation	38.793	38.407	-0.3862

Test Statistics (μs)

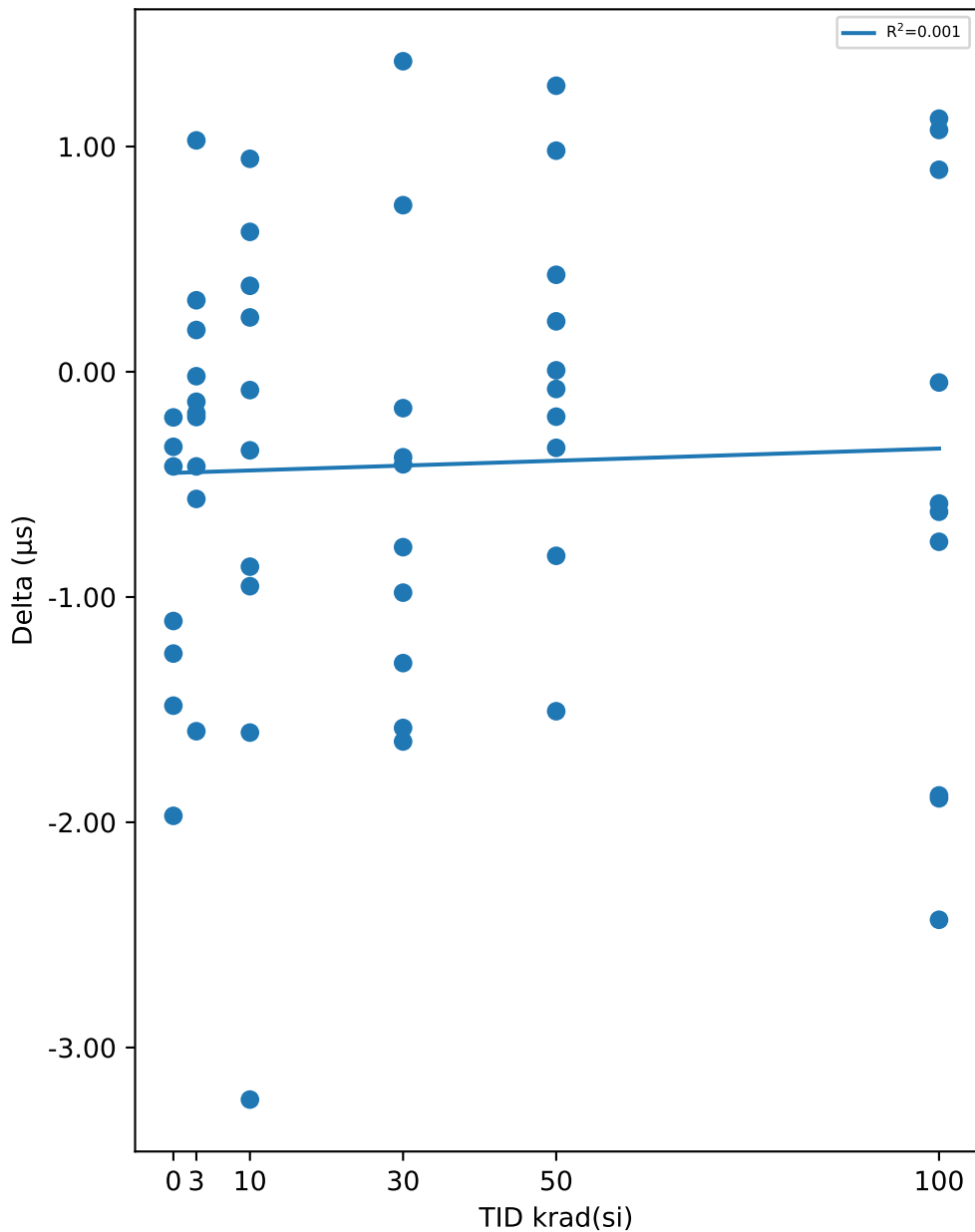
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	37.241	40.228	44.651	2.4306	37.124	39.735	43.63	2.2623	-1.0208	-0.49247	0.2069	0.45992
3	37.693	40.169	46.558	2.7558	37.441	40.205	45.98	2.7886	-0.9317	0.03526	0.9326	0.59988
10	37.452	42.309	44.839	2.1362	37.657	41.249	43.029	1.542	-3.1146	-1.0604	0.2056	1.1732
30	36.747	42.083	47.27	2.9728	36.565	41.245	46.25	2.8446	-2.261	-0.8389	1.5257	1.1168
50	36.995	40.807	46.502	3.1738	37.05	40.455	46.641	3.0389	-2.1152	-0.35196	0.8549	0.98098
100	38.312	40.57	44.671	2.1551	36.762	39.845	43.281	2.0923	-2.9993	-0.72452	1.4603	1.2703

Device Test: 13.26 T_EN_DELAY(THRESHOLD|DELAY/EN/5/0.6//10//@T_EN_DELAY)

TID vs Result Stats



TID vs Post - Pre Exposure Delta

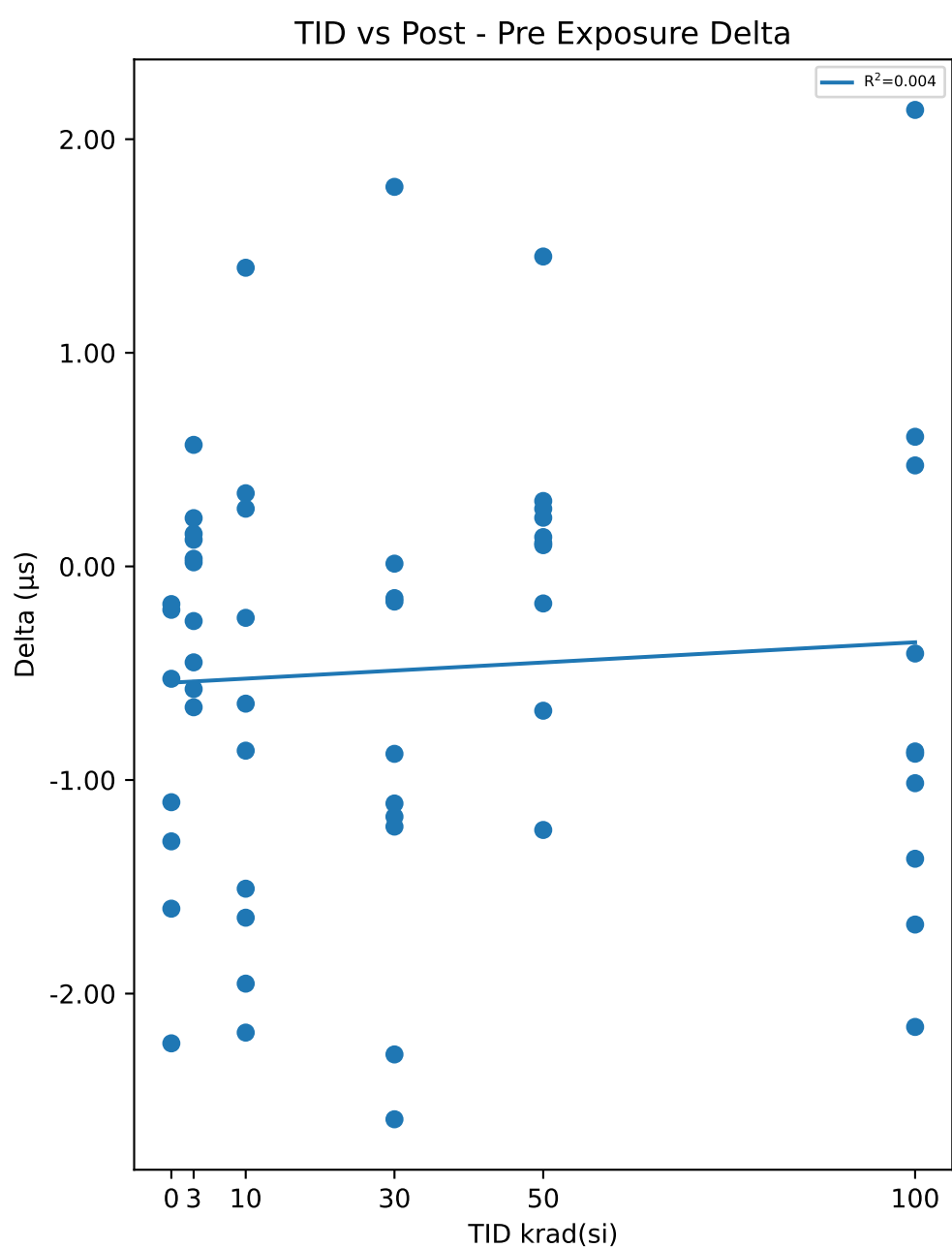
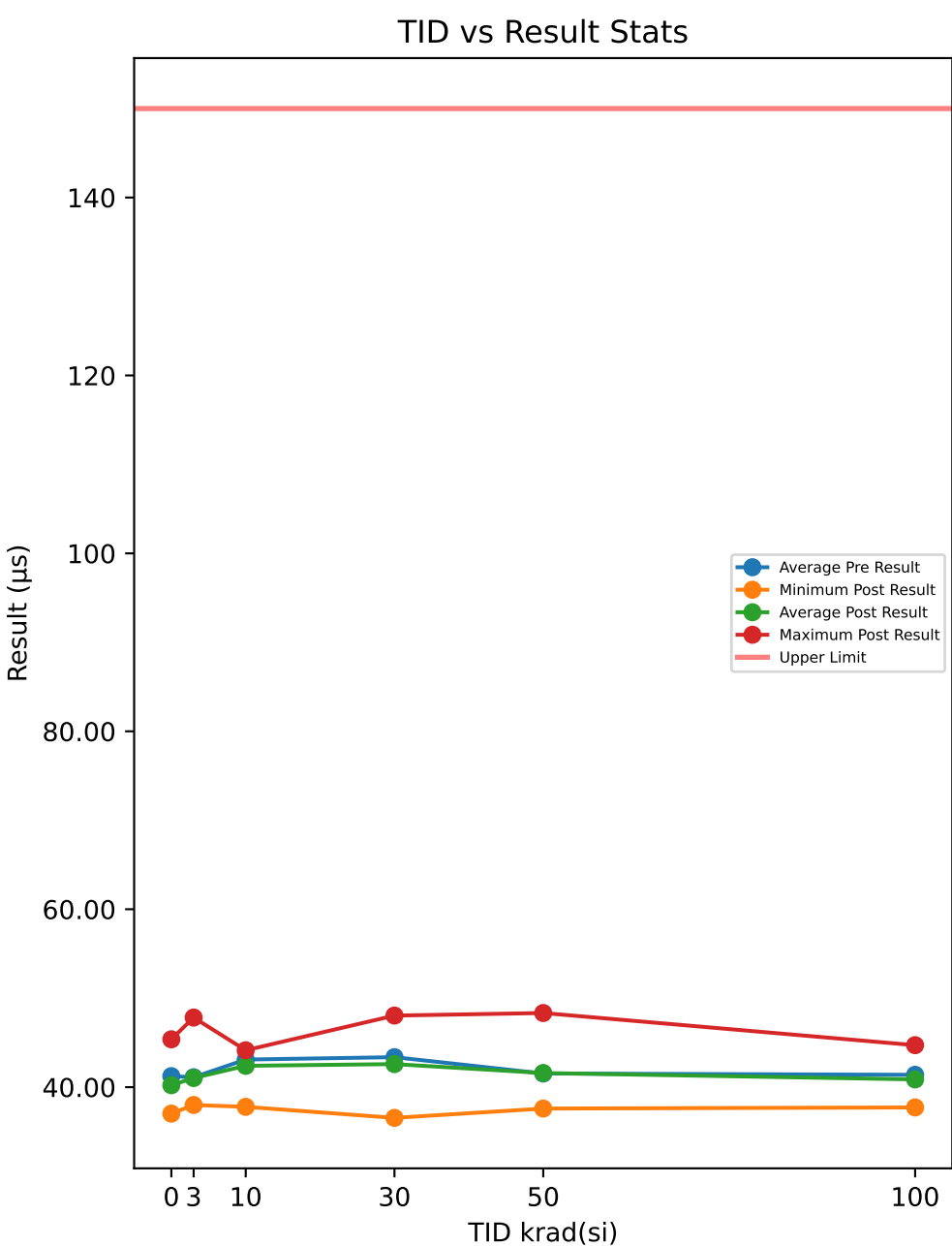


Test Results (Upper Limit = 150.0 (µs))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	46.649	46.967	0.3174
55	3	HDR unbiased	40.66	40.096	-0.5645
57	3	HDR unbiased	38.738	38.318	-0.4202
58	3	HDR unbiased	42.846	41.25	-1.5958
59	3	HDR unbiased	40.684	40.501	-0.1838
82	10	HDR unbiased	44.693	43.741	-0.952
83	10	HDR unbiased	41.837	40.972	-0.8653
84	10	HDR unbiased	43.7	43.619	-0.0813
85	10	HDR unbiased	45.475	43.873	-1.6018
87	10	HDR unbiased	46.171	42.94	-3.2311
94	30	HDR unbiased	40.096	38.454	-1.6414
95	30	HDR unbiased	48.402	47.422	-0.9806
97	30	HDR unbiased	42.79	41.496	-1.2933
98	30	HDR unbiased	45.985	44.404	-1.5812
99	30	HDR unbiased	45.213	44.434	-0.7787
105	50	HDR unbiased	42.987	43.418	0.4306
107	50	HDR unbiased	39.279	39.285	0.0065
108	50	HDR unbiased	41.698	41.36	-0.3377
109	50	HDR unbiased	39.708	40.978	1.2699
110	50	HDR unbiased	43.614	42.797	-0.8171
121	100	HDR biased	39.132	38.511	-0.6215
123	100	HDR biased	38.358	39.255	0.8968
124	100	HDR biased	39.544	37.663	-1.8808
125	100	HDR biased	43.916	43.161	-0.7547
126	100	HDR biased	42.58	40.147	-2.4329
127	50	HDR biased	44.769	43.262	-1.507
128	50	HDR biased	37.74	37.663	-0.0765
129	50	HDR biased	47.17	48.151	0.9816
130	50	HDR biased	38.247	38.471	0.2239
132	50	HDR biased	37.916	37.716	-0.1994
149	100	HDR unbiased	39.816	40.94	1.1238
150	100	HDR unbiased	41.317	41.269	-0.0476
151	100	HDR unbiased	39.736	40.809	1.0734
152	100	HDR unbiased	41.368	40.783	-0.5847
153	100	HDR unbiased	45.622	43.728	-1.8938
164	30	HDR biased	43.6	43.221	-0.3795
165	30	HDR biased	43.018	42.607	-0.4109
166	30	HDR biased	41.382	42.76	1.3786
168	30	HDR biased	37.049	36.887	-0.1615
169	30	HDR biased	39.842	40.582	0.7396
170	10	HDR biased	41.397	42.018	0.6211
171	10	HDR biased	41.229	42.174	0.9455
172	10	HDR biased	37.869	37.52	-0.3488
173	10	HDR biased	41.773	42.014	0.2412
174	10	HDR biased	44.192	44.574	0.3817
175	3	HDR biased	38.112	38.297	0.1854
176	3	HDR biased	40.98	40.779	-0.2011
178	3	HDR biased	42.305	43.332	1.0272
179	3	HDR biased	37.701	37.681	-0.0197
180	3	HDR biased	38.434	38.301	-0.133
187	0	correlation	42.075	40.104	-1.9715
188	0	correlation	45.771	45.351	-0.4202
189	0	correlation	42.787	42.585	-0.2026
190	0	correlation	39.415	39.082	-0.3331
191	0	correlation	38.111	36.86	-1.251
192	0	correlation	40.03	38.923	-1.1065
193	0	correlation	39.676	38.194	-1.4823

Test Statistics (µs)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	38.111	41.124	45.771	2.5999	36.86	40.157	45.351	2.8946	-1.9715	-0.96674	-0.2026	0.66581
3	37.701	40.711	46.649	2.7351	37.681	40.552	46.967	2.8482	-1.5958	-0.15881	1.0272	0.67265
10	37.869	42.834	46.171	2.485	37.52	42.345	44.574	2.0177	-3.2311	-0.48908	0.9455	1.2419
30	37.049	42.738	48.402	3.3192	36.887	42.227	47.422	3.055	-1.6414	-0.51089	1.3786	0.97817
50	37.74	41.313	47.17	3.2476	37.663	41.31	48.151	3.2619	-1.507	-0.00252	1.2699	0.81035
100	38.358	41.139	45.622	2.3093	37.663	40.627	43.728	1.8852	-2.4329	-0.5122	1.1238	1.2884

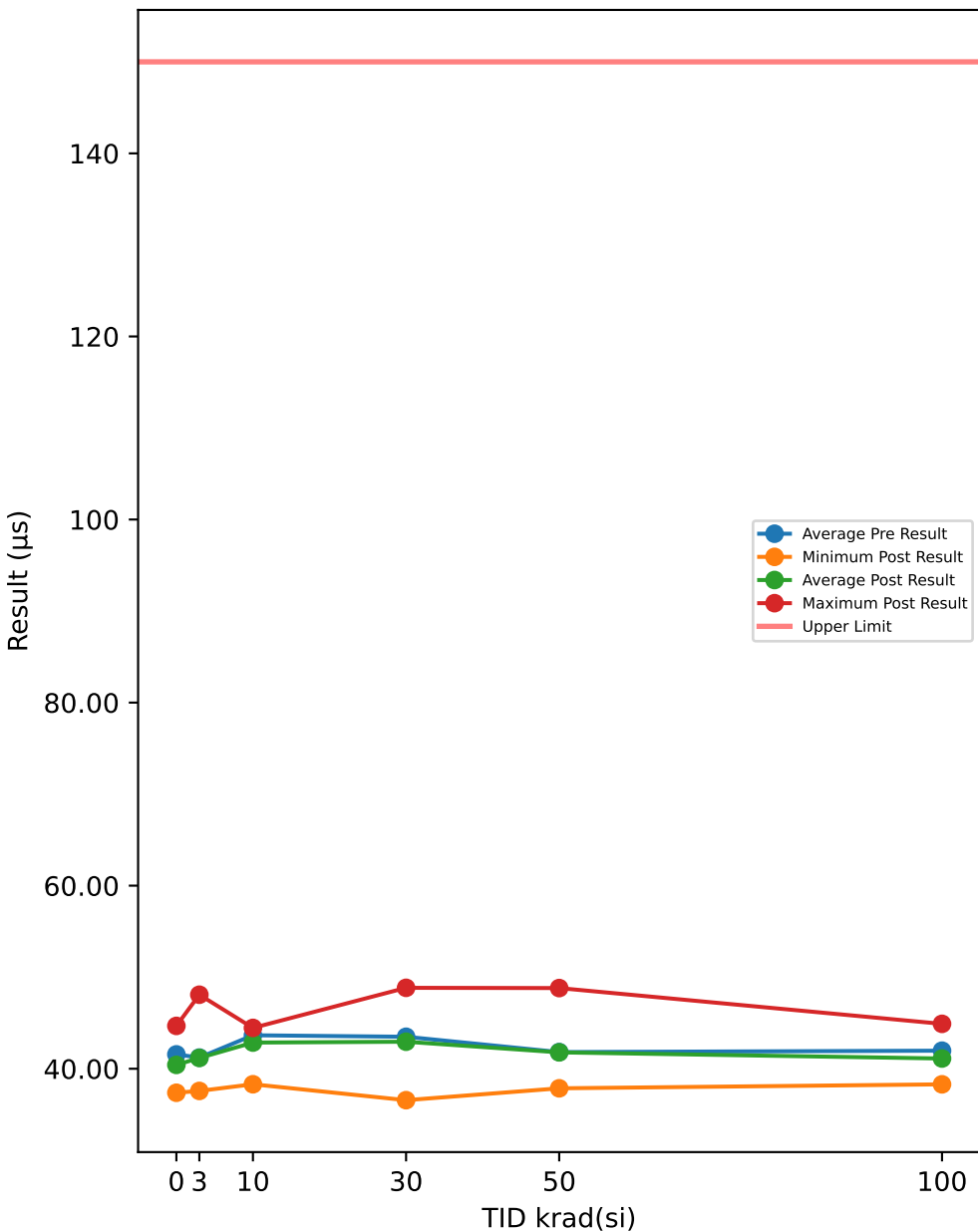


Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	47.256	47.825	0.569
55	3	HDR unbiased	41.211	40.637	-0.5741
57	3	HDR unbiased	38.961	38.512	-0.4492
58	3	HDR unbiased	42.87	42.614	-0.2558
59	3	HDR unbiased	41.421	41.647	0.226
82	10	HDR unbiased	43.804	44.147	0.3425
83	10	HDR unbiased	43.131	41.178	-1.9533
84	10	HDR unbiased	45.068	43.559	-1.5088
85	10	HDR unbiased	45.692	44.047	-1.6446
87	10	HDR unbiased	45.85	43.668	-2.1825
94	30	HDR unbiased	39.762	38.591	-1.1718
95	30	HDR unbiased	49.157	48.047	-1.11
97	30	HDR unbiased	44.054	41.769	-2.2847
98	30	HDR unbiased	46.699	44.11	-2.5883
99	30	HDR unbiased	45.915	44.697	-1.2181
105	50	HDR unbiased	43.798	43.898	0.0995
107	50	HDR unbiased	39.991	40.129	0.1371
108	50	HDR unbiased	41.203	41.509	0.3062
109	50	HDR unbiased	39.422	40.872	1.4508
110	50	HDR unbiased	44.555	43.879	-0.6756
121	100	HDR biased	38.651	38.243	-0.4078
123	100	HDR biased	38.511	39.118	0.6069
124	100	HDR biased	39.397	37.721	-1.6766
125	100	HDR biased	45.357	44.491	-0.8663
126	100	HDR biased	43.1	40.944	-2.156
127	50	HDR biased	44.9	43.666	-1.2339
128	50	HDR biased	37.367	37.595	0.2278
129	50	HDR biased	48.064	48.334	0.2699
130	50	HDR biased	38.292	38.119	-0.1735
132	50	HDR biased	37.761	37.87	0.1093
149	100	HDR unbiased	40.248	40.721	0.4728
150	100	HDR unbiased	41.753	40.384	-1.3686
151	100	HDR unbiased	39.046	41.183	2.1371
152	100	HDR unbiased	42.081	41.204	-0.8769
153	100	HDR unbiased	45.734	44.719	-1.0149
164	30	HDR biased	43.549	43.4	-0.1485
165	30	HDR biased	43.756	43.769	0.0129
166	30	HDR biased	42.596	44.373	1.7769
168	30	HDR biased	36.713	36.549	-0.1646
169	30	HDR biased	41.507	40.629	-0.8775
170	10	HDR biased	42.142	43.541	1.3982
171	10	HDR biased	41.352	41.111	-0.2408
172	10	HDR biased	37.518	37.789	0.2702
173	10	HDR biased	42.566	41.703	-0.8626
174	10	HDR biased	43.901	43.259	-0.6425
175	3	HDR biased	38.079	38.098	0.0191
176	3	HDR biased	41.723	41.063	-0.6594
178	3	HDR biased	43.115	43.24	0.1248
179	3	HDR biased	37.843	37.996	0.1526
180	3	HDR biased	38.616	38.652	0.0358
187	0	correlation	42.643	40.41	-2.2328
188	0	correlation	45.582	45.379	-0.2032
189	0	correlation	42.341	41.054	-1.2872
190	0	correlation	39.663	39.486	-0.1764
191	0	correlation	38.13	37.027	-1.1039
192	0	correlation	40.118	39.592	-0.526
193	0	correlation	40.186	38.584	-1.6023

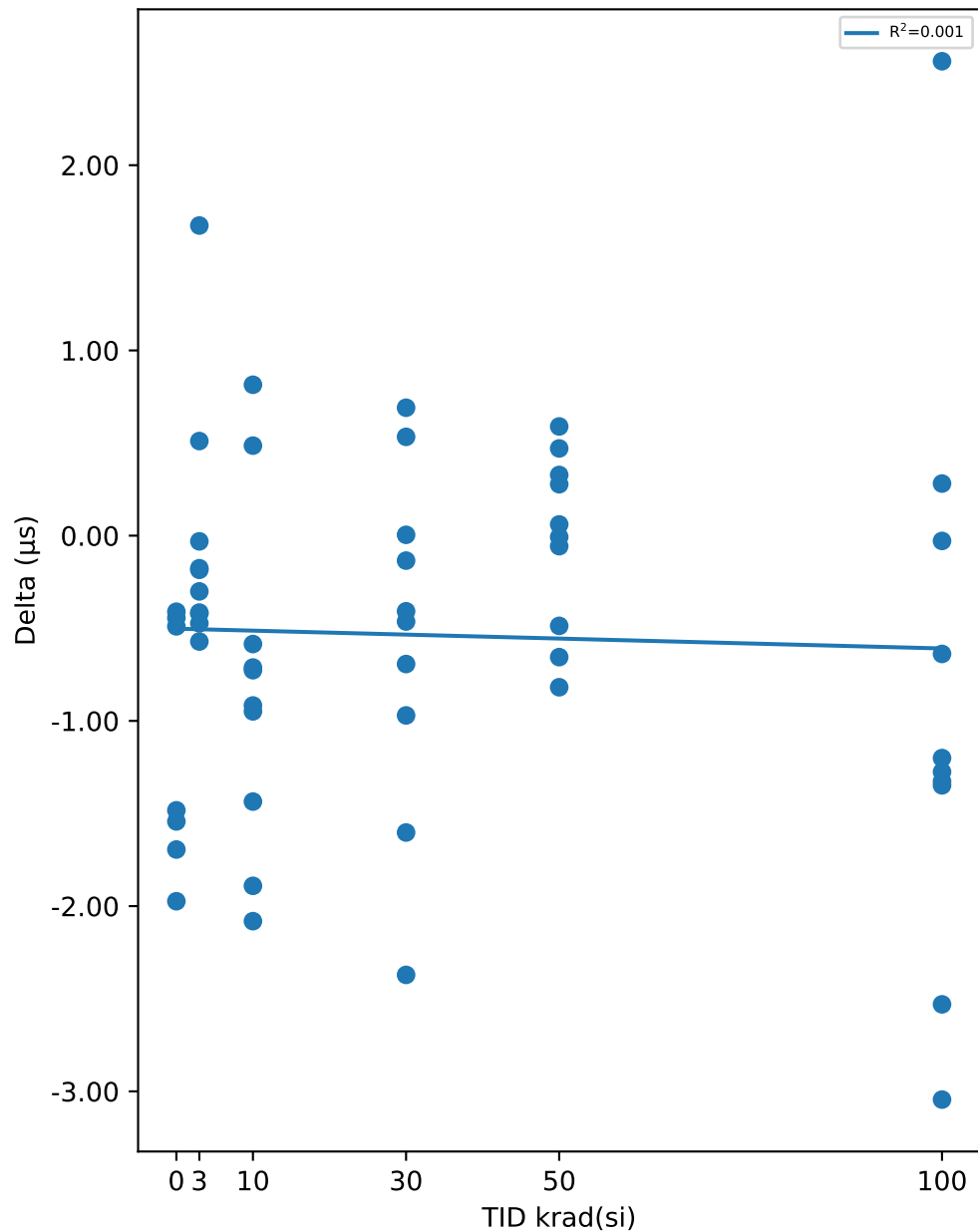
Test Statistics (μs)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	38.13	41.238	45.582	2.4684	37.027	40.219	45.379	2.6189	-2.2328	-1.0188	-0.1764	0.76499
3	37.843	41.109	47.256	2.9072	37.996	41.028	47.825	3.0531	-0.6594	-0.08112	0.569	0.39174
10	37.518	43.103	45.85	2.4655	37.789	42.4	44.147	1.9906	-2.1825	-0.70242	1.3982	1.154
30	36.713	43.371	49.157	3.5449	36.549	42.594	48.047	3.3127	-2.5883	-0.77737	1.7769	1.2446
50	37.367	41.535	48.064	3.6099	37.595	41.587	48.334	3.4134	-1.2339	0.05176	1.4508	0.69492
100	38.511	41.388	45.734	2.6813	37.721	40.873	44.719	2.3163	-2.156	-0.51503	2.1371	1.2717

TID vs Result Stats



TID vs Post - Pre Exposure Delta

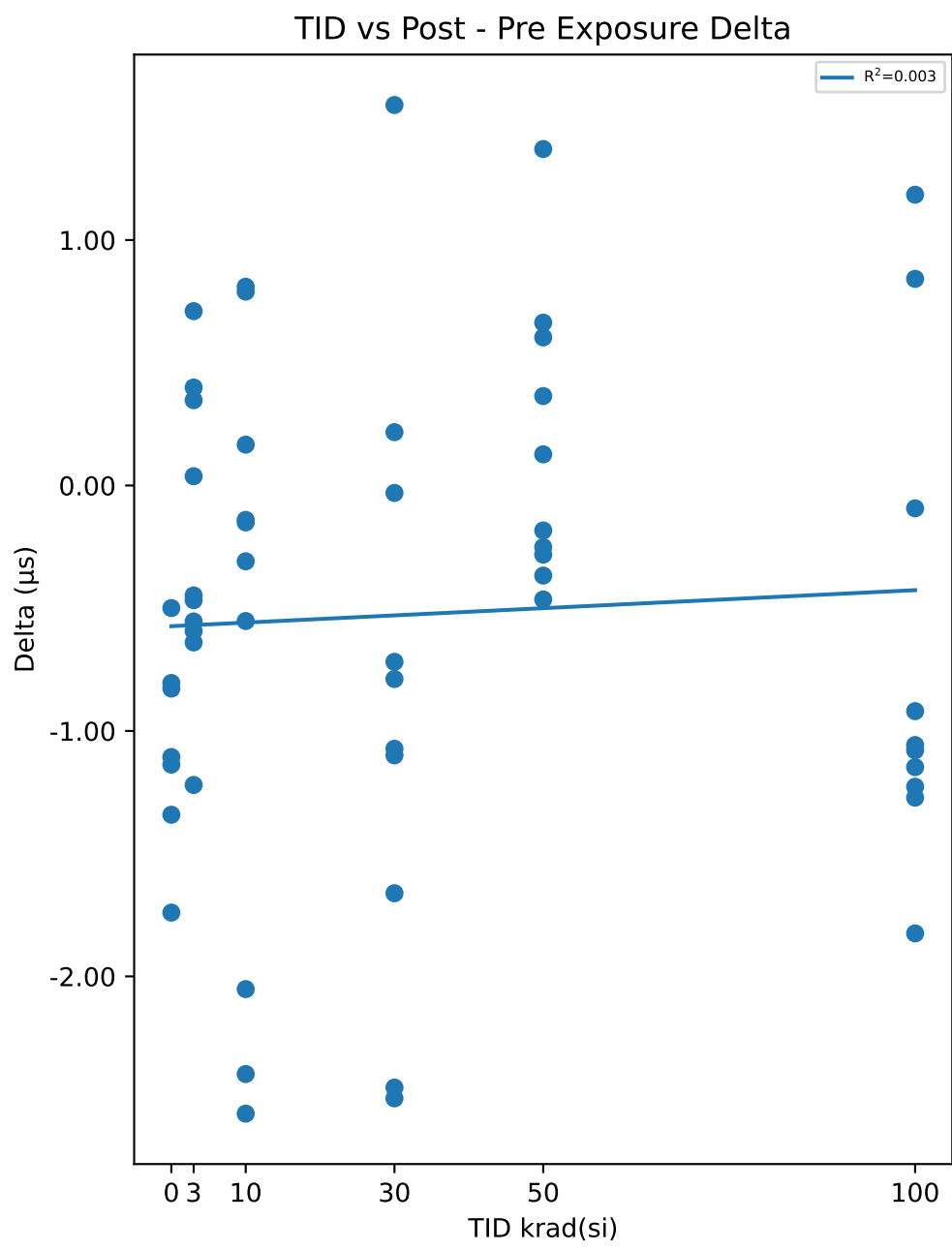
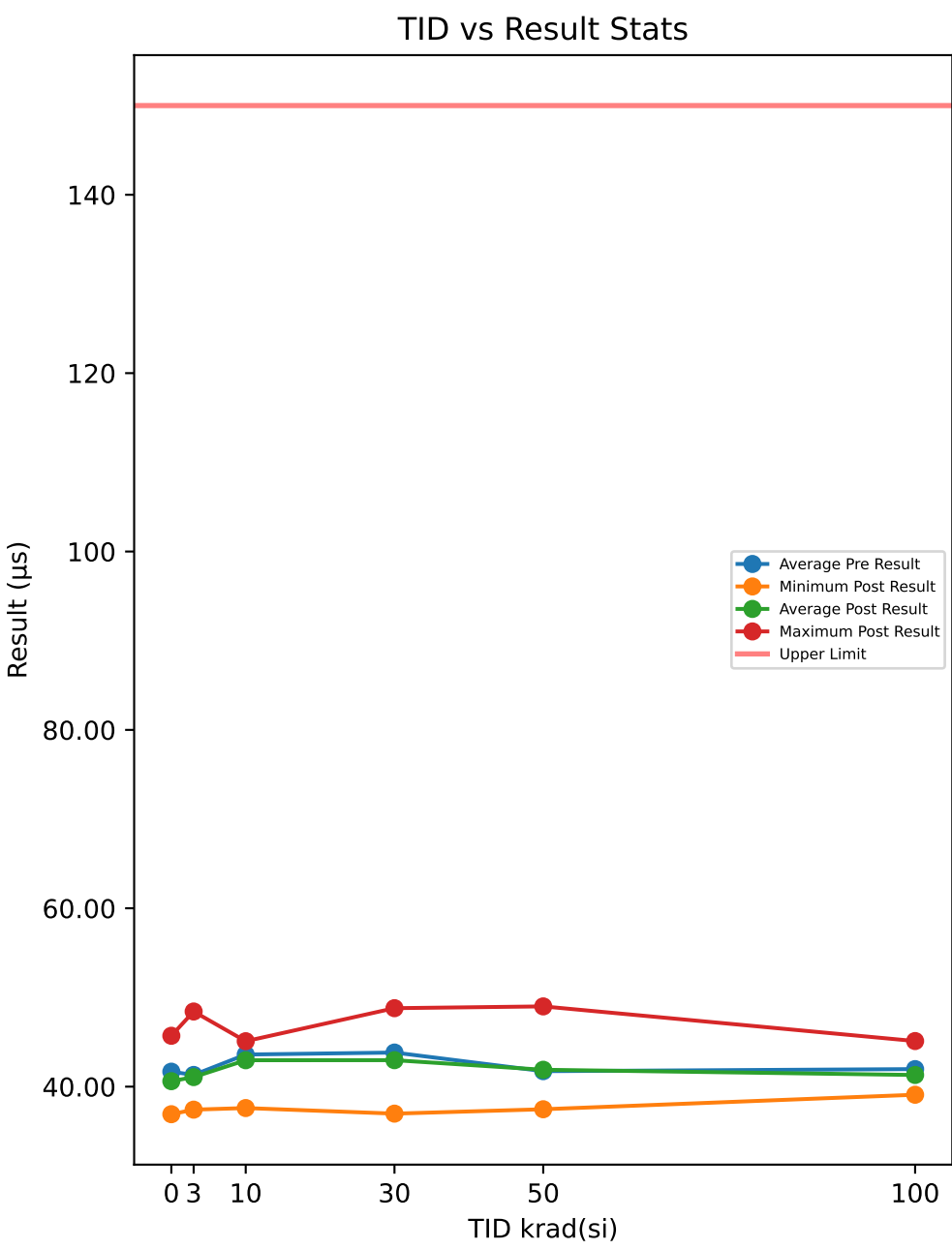


Test Results (Upper Limit = 150.0 (µs))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	48.263	48.087	-0.1758
55	3	HDR unbiased	41.134	40.661	-0.4732
57	3	HDR unbiased	38.548	38.517	-0.0307
58	3	HDR unbiased	42.304	41.884	-0.42
59	3	HDR unbiased	41.201	41.712	0.5108
82	10	HDR unbiased	45.398	44.449	-0.9486
83	10	HDR unbiased	43.504	41.614	-1.8905
84	10	HDR unbiased	45.377	44.46	-0.9168
85	10	HDR unbiased	46.488	44.407	-2.0812
87	10	HDR unbiased	45.467	44.031	-1.4356
94	30	HDR unbiased	40.43	38.828	-1.6026
95	30	HDR unbiased	49.248	48.84	-0.4082
97	30	HDR unbiased	44.432	42.061	-2.3712
98	30	HDR unbiased	46.456	45.485	-0.9704
99	30	HDR unbiased	45.357	44.664	-0.693
105	50	HDR unbiased	44.407	43.752	-0.6557
107	50	HDR unbiased	40.428	40.371	-0.0568
108	50	HDR unbiased	41.187	41.776	0.5895
109	50	HDR unbiased	40.042	40.319	0.2777
110	50	HDR unbiased	44.37	43.883	-0.487
121	100	HDR biased	39.768	38.42	-1.3479
123	100	HDR biased	38.629	38.601	-0.0285
124	100	HDR biased	40.826	38.295	-2.5303
125	100	HDR biased	45.543	44.904	-0.6385
126	100	HDR biased	42.358	41.158	-1.2007
127	50	HDR biased	46.008	45.19	-0.8183
128	50	HDR biased	37.589	37.917	0.3278
129	50	HDR biased	48.342	48.813	0.4709
130	50	HDR biased	37.952	38.013	0.0606
132	50	HDR biased	37.868	37.861	-0.007
149	100	HDR unbiased	40.783	41.064	0.2813
150	100	HDR unbiased	42.332	41.056	-1.2752
151	100	HDR unbiased	39.254	41.815	2.5612
152	100	HDR unbiased	42.51	41.184	-1.3262
153	100	HDR unbiased	47.721	44.677	-3.0444
164	30	HDR biased	43.962	43.499	-0.4636
165	30	HDR biased	43.861	43.866	0.0045
166	30	HDR biased	43.342	44.033	0.6907
168	30	HDR biased	36.7	36.565	-0.1347
169	30	HDR biased	41.142	41.675	0.5335
170	10	HDR biased	42.666	43.481	0.8147
171	10	HDR biased	42.527	41.815	-0.7118
172	10	HDR biased	37.818	38.304	0.4861
173	10	HDR biased	43.297	42.571	-0.7264
174	10	HDR biased	44.031	43.446	-0.5851
175	3	HDR biased	38.502	38.201	-0.301
176	3	HDR biased	41.006	42.68	1.6743
178	3	HDR biased	44.087	43.515	-0.5715
179	3	HDR biased	37.759	37.574	-0.1844
180	3	HDR biased	39.371	38.956	-0.4153
187	0	correlation	41.747	41.337	-0.4106
188	0	correlation	46.654	44.681	-1.9736
189	0	correlation	44.155	42.672	-1.4828
190	0	correlation	40.327	38.785	-1.5427
191	0	correlation	37.865	37.375	-0.4897
192	0	correlation	40.896	39.201	-1.6944
193	0	correlation	39.331	38.887	-0.4437

Test Statistics (µs)

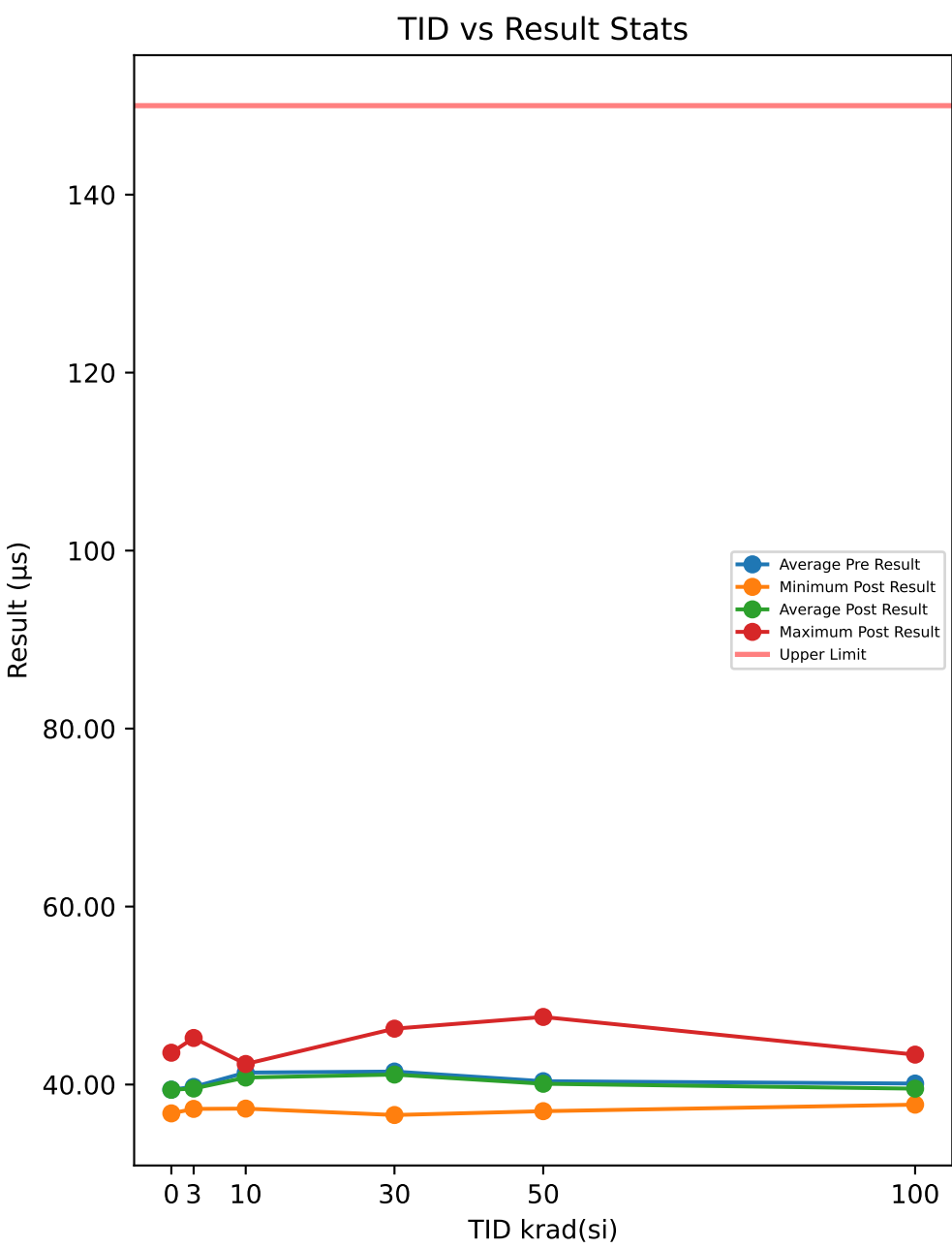
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	37.865	41.568	46.654	2.9805	37.375	40.42	44.681	2.5769	-1.9736	-1.1482	-0.4106	0.67345
3	37.759	41.217	48.263	3.1442	37.574	41.179	48.087	3.1688	-0.5715	-0.03868	1.6743	0.67537
10	37.818	43.657	46.488	2.4479	38.304	42.858	44.46	1.9168	-2.0812	-0.79952	0.8147	0.9184
30	36.7	43.493	49.248	3.4591	36.565	42.951	48.84	3.4407	-2.3712	-0.5415	0.6907	0.93345
50	37.589	41.819	48.342	3.7602	37.861	41.79	48.813	3.6208	-0.8183	-0.02983	0.5895	0.48173
100	38.629	41.972	47.721	2.8387	38.295	41.117	44.904	2.3353	-3.0444	-0.85492	2.5612	1.5653



Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	48.027	48.427	0.3992
55	3	HDR unbiased	42.16	40.941	-1.22
57	3	HDR unbiased	38.881	38.288	-0.5931
58	3	HDR unbiased	42.501	42.539	0.0379
59	3	HDR unbiased	41.516	40.877	-0.6393
82	10	HDR unbiased	45.245	45.095	-0.1503
83	10	HDR unbiased	43.512	41.46	-2.0518
84	10	HDR unbiased	45.045	44.736	-0.3089
85	10	HDR unbiased	46.757	44.198	-2.5591
87	10	HDR unbiased	45.899	43.502	-2.3977
94	30	HDR unbiased	41.122	38.626	-2.4967
95	30	HDR unbiased	49.872	48.799	-1.0726
97	30	HDR unbiased	44.853	42.399	-2.4531
98	30	HDR unbiased	46.334	45.545	-0.7883
99	30	HDR unbiased	46.461	44.8	-1.6612
105	50	HDR unbiased	44.345	43.978	-0.3669
107	50	HDR unbiased	39.932	40.596	0.6636
108	50	HDR unbiased	40.895	41.259	0.3645
109	50	HDR unbiased	39.411	40.782	1.3708
110	50	HDR unbiased	44.556	44.275	-0.2816
121	100	HDR biased	39.186	39.093	-0.093
123	100	HDR biased	38.624	39.466	0.8419
124	100	HDR biased	40.465	39.408	-1.0575
125	100	HDR biased	45.726	44.454	-1.2718
126	100	HDR biased	42.042	40.964	-1.0788
127	50	HDR biased	45.108	44.644	-0.4642
128	50	HDR biased	37.649	37.465	-0.1833
129	50	HDR biased	48.871	48.998	0.127
130	50	HDR biased	38.195	38.799	0.6035
132	50	HDR biased	38.404	38.152	-0.2511
149	100	HDR unbiased	42.228	41.001	-1.2273
150	100	HDR unbiased	42.439	41.292	-1.1473
151	100	HDR unbiased	40.261	41.446	1.1848
152	100	HDR unbiased	42.675	40.85	-1.8248
153	100	HDR unbiased	46.033	45.113	-0.9193
164	30	HDR biased	44.682	43.964	-0.7184
165	30	HDR biased	44.515	43.415	-1.0994
166	30	HDR biased	42.502	44.052	1.5503
168	30	HDR biased	36.758	36.975	0.2174
169	30	HDR biased	41.144	41.114	-0.0303
170	10	HDR biased	43.249	43.415	0.1665
171	10	HDR biased	41.763	42.553	0.7901
172	10	HDR biased	37.741	37.601	-0.1401
173	10	HDR biased	43.332	42.78	-0.5522
174	10	HDR biased	43.463	44.273	0.8099
175	3	HDR biased	38.08	38.428	0.3475
176	3	HDR biased	41.91	41.462	-0.4477
178	3	HDR biased	43.207	43.918	0.7104
179	3	HDR biased	37.889	37.422	-0.4672
180	3	HDR biased	38.97	38.416	-0.5539
187	0	correlation	42.979	41.637	-1.3414
188	0	correlation	46.842	45.705	-1.1371
189	0	correlation	43.922	42.182	-1.7401
190	0	correlation	40.242	39.136	-1.1062
191	0	correlation	37.738	36.911	-0.8272
192	0	correlation	40.429	39.624	-0.8046
193	0	correlation	39.605	39.106	-0.4993

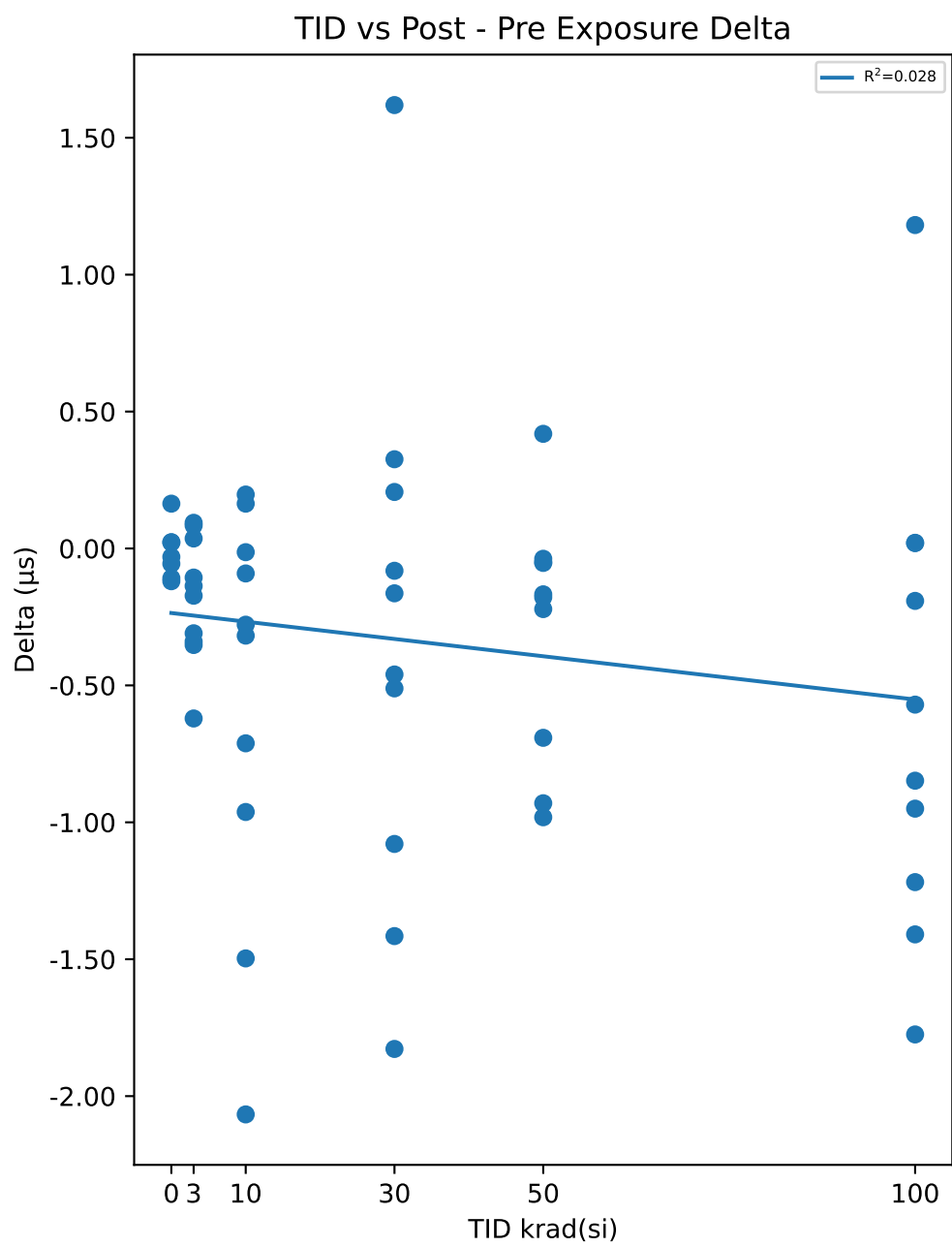
Test Statistics (μs)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	37.738	41.68	46.842	3.0778	36.911	40.614	45.705	2.8453	-1.7401	-1.0651	-0.4993	0.40485
3	37.889	41.314	48.027	3.0692	37.422	41.072	48.427	3.3279	-1.22	-0.24262	0.7104	0.59367
10	37.741	43.601	46.757	2.5379	37.601	42.961	45.095	2.1765	-2.5591	-0.63936	0.8099	1.2548
30	36.758	43.824	49.872	3.6249	36.975	42.969	48.799	3.414	-2.4967	-0.85523	1.5503	1.2313
50	37.649	41.737	48.871	3.7529	37.465	41.895	48.998	3.5678	-0.4642	0.15823	1.3708	0.58768
100	38.624	41.968	46.033	2.4842	39.093	41.309	45.113	2.0203	-1.8248	-0.65931	1.1848	0.98158



Test Results (Upper Limit = 150.0 (μs))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	45.571	45.232	-0.3399
55	3	HDR unbiased	39.422	38.802	-0.6208
57	3	HDR unbiased	37.573	37.264	-0.3097
58	3	HDR unbiased	40.228	39.876	-0.3524
59	3	HDR unbiased	39.135	39.219	0.0839
82	10	HDR unbiased	42.177	42.086	-0.0912
83	10	HDR unbiased	40.082	39.12	-0.9623
84	10	HDR unbiased	41.923	41.211	-0.7115
85	10	HDR unbiased	43.439	41.372	-2.0667
87	10	HDR unbiased	42.661	41.164	-1.497
94	30	HDR unbiased	38.774	37.358	-1.4155
95	30	HDR unbiased	45.953	46.279	0.3259
97	30	HDR unbiased	41.104	39.277	-1.8276
98	30	HDR unbiased	43.346	42.267	-1.079
99	30	HDR unbiased	42.753	42.293	-0.4601
105	50	HDR unbiased	41.95	40.969	-0.9815
107	50	HDR unbiased	37.916	37.863	-0.0527
108	50	HDR unbiased	39.264	39.214	-0.0503
109	50	HDR unbiased	38.296	38.714	0.4187
110	50	HDR unbiased	41.521	41.353	-0.1674
121	100	HDR biased	38.55	37.979	-0.5702
123	100	HDR biased	38.124	38.145	0.0207
124	100	HDR biased	39.149	37.74	-1.4093
125	100	HDR biased	44.209	43.361	-0.848
126	100	HDR biased	41.115	39.896	-1.2184
127	50	HDR biased	44.163	43.233	-0.9304
128	50	HDR biased	37.229	37.008	-0.2213
129	50	HDR biased	47.633	47.596	-0.0376
130	50	HDR biased	37.766	37.588	-0.1783
132	50	HDR biased	38.02	37.329	-0.6914
149	100	HDR unbiased	38.727	38.746	0.0197
150	100	HDR unbiased	39.325	39.134	-0.1914
151	100	HDR unbiased	38.01	39.191	1.1812
152	100	HDR unbiased	39.993	39.043	-0.9501
153	100	HDR unbiased	43.911	42.136	-1.7747
164	30	HDR biased	42.506	41.995	-0.5109
165	30	HDR biased	42.311	42.23	-0.0814
166	30	HDR biased	41.206	42.826	1.6193
168	30	HDR biased	36.74	36.576	-0.1637
169	30	HDR biased	39.905	40.112	0.2064
170	10	HDR biased	41.196	41.393	0.197
171	10	HDR biased	40.894	40.575	-0.3182
172	10	HDR biased	37.574	37.295	-0.2783
173	10	HDR biased	41.186	41.349	0.1637
174	10	HDR biased	42.323	42.309	-0.0135
175	3	HDR biased	37.943	37.771	-0.1725
176	3	HDR biased	40.367	40.403	0.0365
178	3	HDR biased	41.69	41.783	0.0938
179	3	HDR biased	37.473	37.367	-0.1062
180	3	HDR biased	37.936	37.799	-0.137
187	0	correlation	39.865	39.81	-0.0556
188	0	correlation	43.413	43.577	0.1637
189	0	correlation	40.701	40.67	-0.0308
190	0	correlation	38.495	38.375	-0.1195
191	0	correlation	36.738	36.76	0.0219
192	0	correlation	38.56	38.452	-0.1084
193	0	correlation	38.23	38.253	0.023

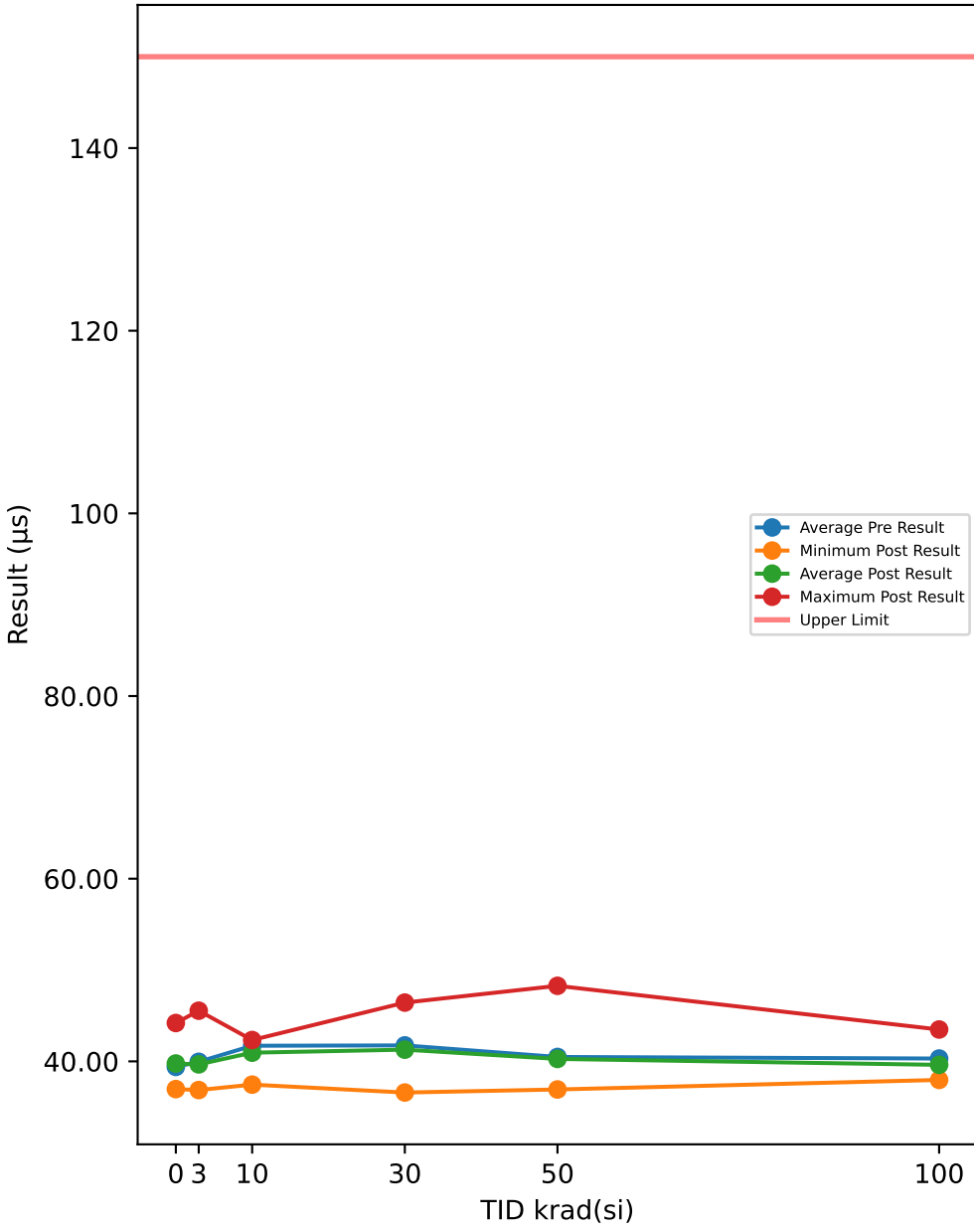


Test Statistics (μs)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	36.738	39.429	43.413	2.1597	36.76	39.414	43.577	2.2157	-0.1195	-0.0151	0.1637	0.096851
3	37.473	39.734	45.571	2.477	37.264	39.551	45.232	2.472	-0.6208	-0.18243	0.0938	0.22735
10	37.574	41.345	43.439	1.6388	37.295	40.788	42.309	1.5044	-2.0667	-0.5578	0.197	0.75173
30	36.74	41.46	45.953	2.5677	36.576	41.121	46.279	2.8563	-1.8276	-0.33866	1.6193	0.97969
50	37.229	40.376	47.633	3.4106	37.008	40.087	47.596	3.3265	-0.9815	-0.28922	0.4187	0.44239
100	38.01	40.111	44.209	2.2734	37.74	39.537	43.361	1.8335	-1.7747	-0.57405	1.1812	0.8631

Device Test: 13.31 T_EN_DELAY(THRESHOLD|DELAY/EN/12/5//10//@T_EN_DELAY)

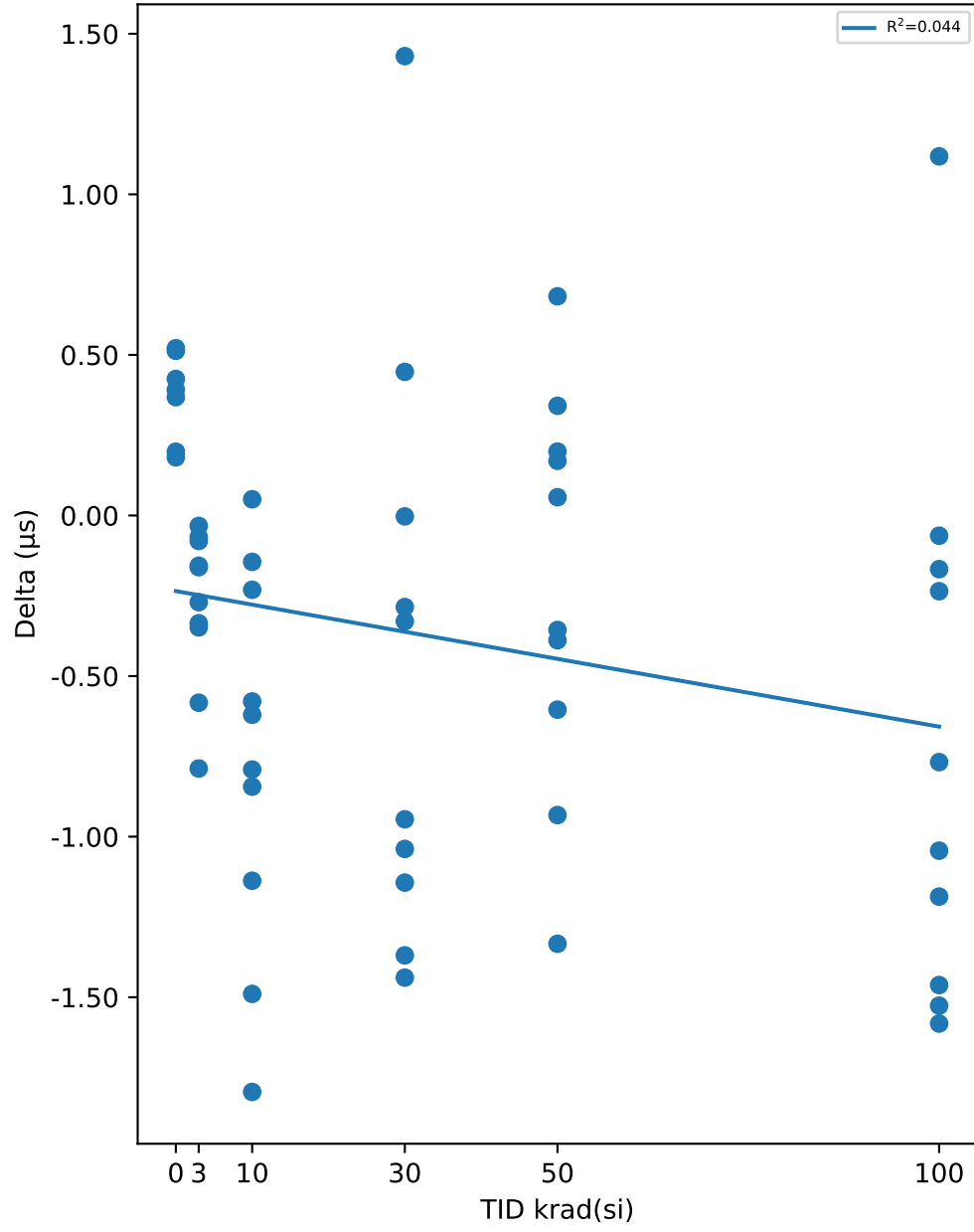
TID vs Result Stats



Test Results (Upper Limit = 150.0 (µs))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	45.614	45.547	-0.0669
55	3	HDR unbiased	38.964	38.629	-0.3355
57	3	HDR unbiased	36.938	36.859	-0.0794
58	3	HDR unbiased	40.567	39.779	-0.7878
59	3	HDR unbiased	39.187	39.155	-0.0324
82	10	HDR unbiased	42.127	41.895	-0.2313
83	10	HDR unbiased	40.055	38.918	-1.1372
84	10	HDR unbiased	42.273	41.429	-0.8443
85	10	HDR unbiased	43.272	41.477	-1.7949
87	10	HDR unbiased	42.852	41.362	-1.4897
94	30	HDR unbiased	38.618	37.179	-1.4389
95	30	HDR unbiased	45.989	46.436	0.4473
97	30	HDR unbiased	40.71	39.341	-1.3696
98	30	HDR unbiased	43.506	42.363	-1.1431
99	30	HDR unbiased	43.075	42.129	-0.946
105	50	HDR unbiased	41.792	41.187	-0.6045
107	50	HDR unbiased	37.39	37.59	0.1991
108	50	HDR unbiased	39.304	39.474	0.1702
109	50	HDR unbiased	38.18	38.862	0.6825
110	50	HDR unbiased	41.51	41.566	0.0569
121	100	HDR biased	38.974	38.206	-0.7679
123	100	HDR biased	38.465	38.298	-0.167
124	100	HDR biased	39.429	37.967	-1.4621
125	100	HDR biased	44.532	43.489	-1.0437
126	100	HDR biased	41.672	40.145	-1.5263
127	50	HDR biased	44.86	43.927	-0.9328
128	50	HDR biased	37.591	37.203	-0.3883
129	50	HDR biased	47.93	48.272	0.3416
130	50	HDR biased	38.023	37.666	-0.3565
132	50	HDR biased	38.257	36.923	-1.3335
149	100	HDR unbiased	38.545	38.482	-0.063
150	100	HDR unbiased	39.363	39.127	-0.2357
151	100	HDR unbiased	37.923	39.041	1.1183
152	100	HDR unbiased	40.165	38.978	-1.1867
153	100	HDR unbiased	44.035	42.453	-1.5819
164	30	HDR biased	43.193	42.154	-1.0383
165	30	HDR biased	42.988	42.703	-0.2851
166	30	HDR biased	41.913	43.344	1.4304
168	30	HDR biased	36.916	36.587	-0.3293
169	30	HDR biased	40.585	40.583	-0.0028
170	10	HDR biased	41.881	41.737	-0.1443
171	10	HDR biased	41.705	41.084	-0.6205
172	10	HDR biased	38.032	37.453	-0.579
173	10	HDR biased	41.775	41.825	0.0505
174	10	HDR biased	43.128	42.337	-0.7909
175	3	HDR biased	38.361	38.013	-0.3484
176	3	HDR biased	40.881	40.72	-0.1609
178	3	HDR biased	42.956	42.373	-0.583
179	3	HDR biased	37.76	37.49	-0.2699
180	3	HDR biased	38.297	38.14	-0.1564
187	0	correlation	39.92	40.288	0.3683
188	0	correlation	43.679	44.2	0.5207
189	0	correlation	40.776	41.167	0.3916
190	0	correlation	38.129	38.555	0.4253
191	0	correlation	36.451	36.964	0.5126
192	0	correlation	38.669	38.85	0.1811
193	0	correlation	38.135	38.333	0.1987

TID vs Post - Pre Exposure Delta

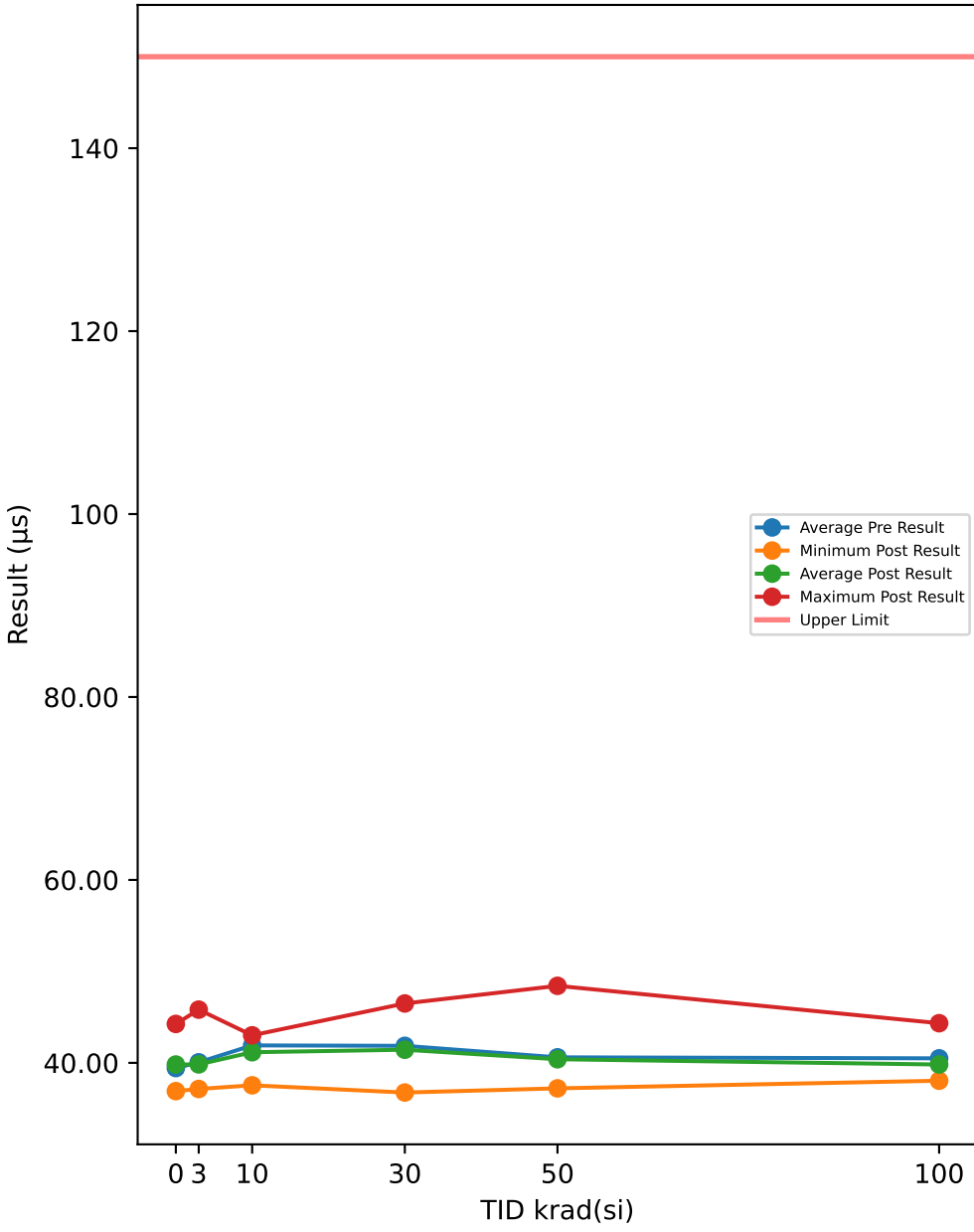


Test Statistics (µs)

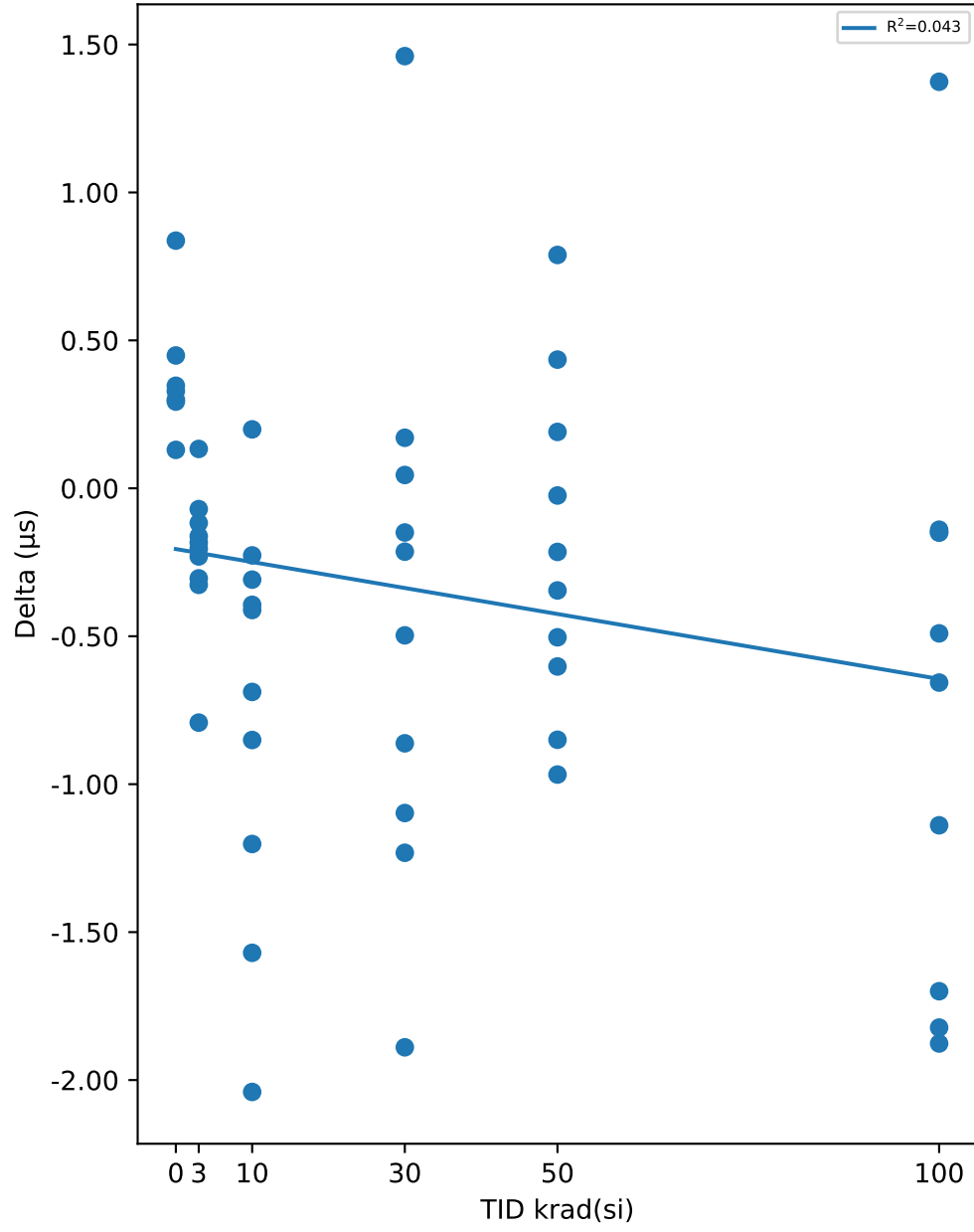
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	36.451	39.394	43.679	2.3423	36.964	39.765	44.2	2.3841	0.1811	0.37119	0.5207	0.13638
3	36.938	39.953	45.614	2.6466	36.859	39.671	45.547	2.6257	-0.7878	-0.28206	-0.0324	0.24356
10	38.032	41.71	43.272	1.5828	37.453	40.952	42.337	1.5369	-1.7949	-0.75816	0.0505	0.58893
30	36.916	41.749	45.989	2.6259	36.587	41.282	46.436	2.9556	-1.4389	-0.46754	1.4304	0.9114
50	37.39	40.484	47.93	3.5437	36.923	40.267	48.272	3.6073	-1.3335	-0.21653	0.6825	0.62157
100	37.923	40.31	44.532	2.3392	37.967	39.619	43.489	1.8864	-1.5819	-0.6916	1.1183	0.85712

Device Test: 13.32 T_EN_DELAY(THRESHOLD|DELAY/EN/14/5//10//@T_EN_DELAY)

TID vs Result Stats



TID vs Post - Pre Exposure Delta

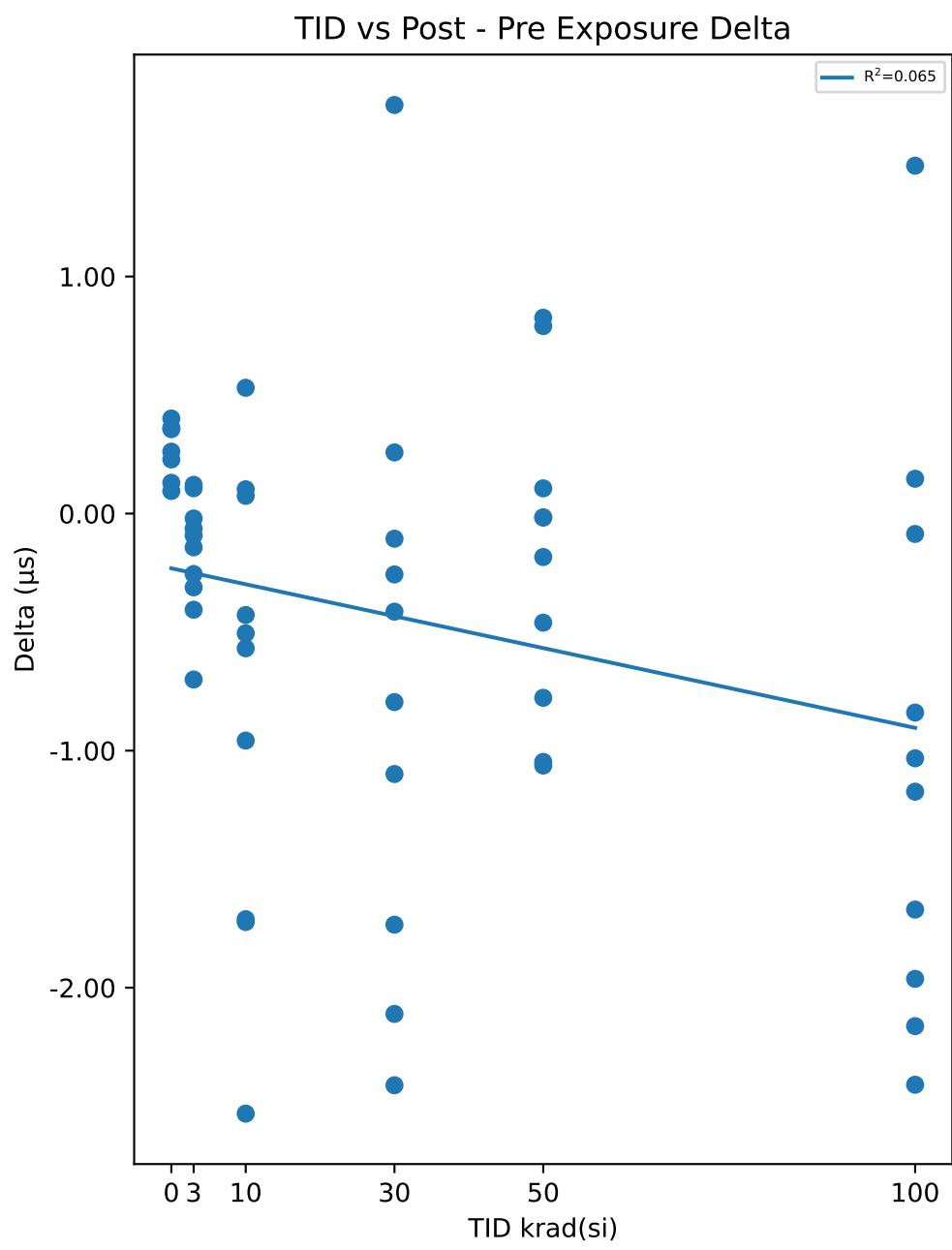
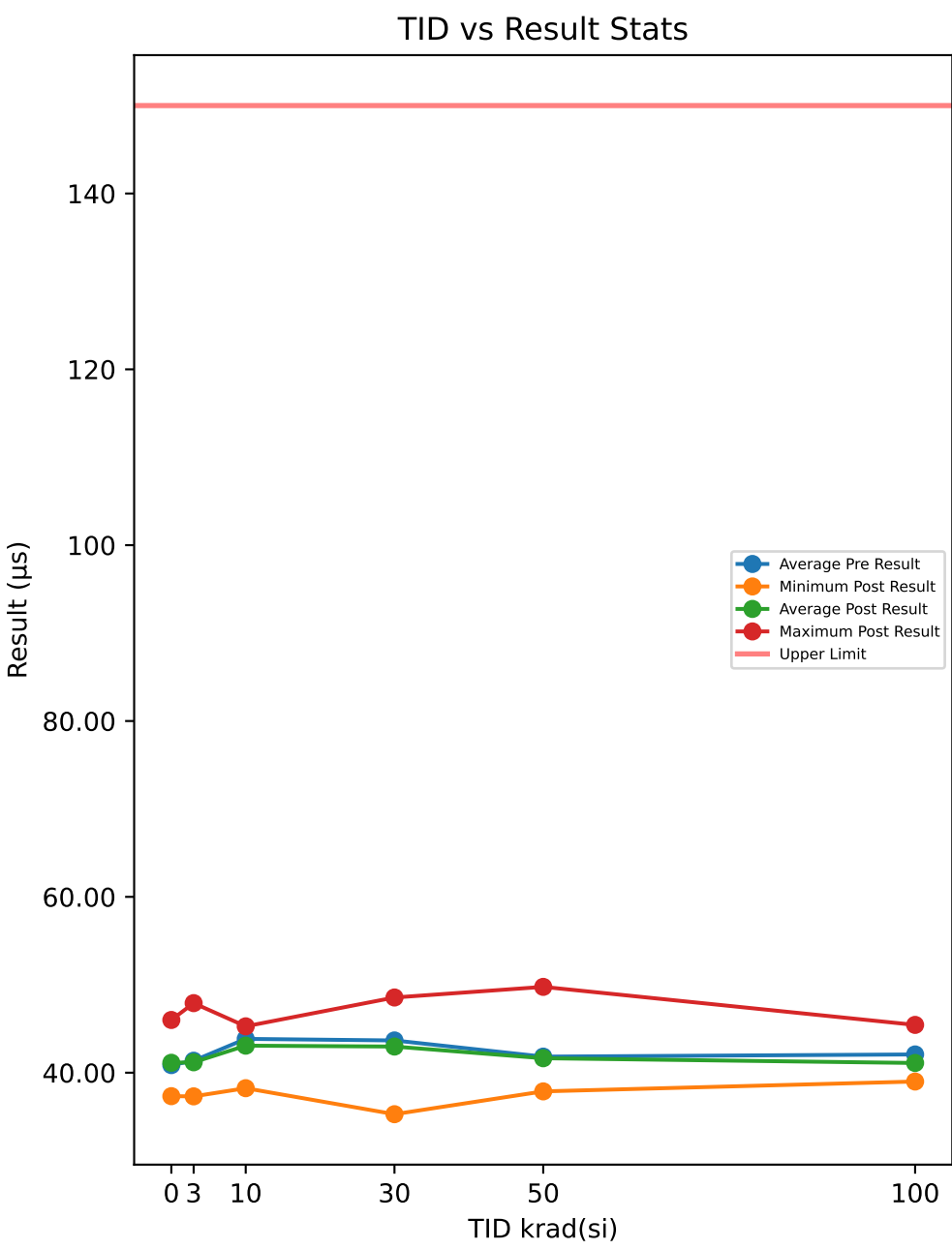


Test Results (Upper Limit = 150.0 (µs))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	45.936	45.819	-0.1173
55	3	HDR unbiased	39.491	38.699	-0.7919
57	3	HDR unbiased	37.329	37.145	-0.1836
58	3	HDR unbiased	40.132	39.806	-0.3263
59	3	HDR unbiased	39.434	39.23	-0.2041
82	10	HDR unbiased	42.296	41.988	-0.3087
83	10	HDR unbiased	40.242	39.039	-1.2022
84	10	HDR unbiased	42.283	41.594	-0.6882
85	10	HDR unbiased	43.613	41.573	-2.0402
87	10	HDR unbiased	43.106	41.536	-1.57
94	30	HDR unbiased	38.521	37.29	-1.2319
95	30	HDR unbiased	46.322	46.492	0.1708
97	30	HDR unbiased	41.139	39.25	-1.8893
98	30	HDR unbiased	43.762	42.664	-1.0975
99	30	HDR unbiased	42.82	42.323	-0.497
105	50	HDR unbiased	42.072	41.105	-0.9675
107	50	HDR unbiased	37.549	37.74	0.1906
108	50	HDR unbiased	38.943	39.378	0.435
109	50	HDR unbiased	38.094	38.883	0.7887
110	50	HDR unbiased	41.792	41.289	-0.5036
121	100	HDR biased	39.036	38.379	-0.6566
123	100	HDR biased	38.597	38.457	-0.1399
124	100	HDR biased	39.87	38.047	-1.8227
125	100	HDR biased	44.826	44.336	-0.4903
126	100	HDR biased	41.995	40.295	-1.6998
127	50	HDR biased	45.008	44.158	-0.8499
128	50	HDR biased	37.558	37.213	-0.3452
129	50	HDR biased	48.446	48.421	-0.0243
130	50	HDR biased	38.184	37.969	-0.215
132	50	HDR biased	38.394	37.792	-0.6022
149	100	HDR unbiased	38.777	38.628	-0.1494
150	100	HDR unbiased	39.371	39.222	-0.1494
151	100	HDR unbiased	37.883	39.257	1.374
152	100	HDR unbiased	40.137	38.998	-1.139
153	100	HDR unbiased	44.448	42.571	-1.8764
164	30	HDR biased	43.406	42.544	-0.8619
165	30	HDR biased	42.966	42.817	-0.1494
166	30	HDR biased	42.004	43.464	1.4607
168	30	HDR biased	36.969	36.755	-0.2142
169	30	HDR biased	40.712	40.757	0.045
170	10	HDR biased	42.064	42.263	0.1992
171	10	HDR biased	41.946	41.095	-0.8507
172	10	HDR biased	37.957	37.546	-0.4114
173	10	HDR biased	42.191	41.964	-0.2267
174	10	HDR biased	43.404	43.011	-0.3937
175	3	HDR biased	38.399	38.095	-0.3044
176	3	HDR biased	41.08	40.918	-0.162
178	3	HDR biased	42.64	42.57	-0.0703
179	3	HDR biased	37.794	37.563	-0.2303
180	3	HDR biased	38.34	38.473	0.1331
187	0	correlation	39.47	40.307	0.8371
188	0	correlation	43.926	44.254	0.3286
189	0	correlation	40.797	41.246	0.449
190	0	correlation	38.329	38.675	0.3466
191	0	correlation	36.608	36.908	0.2996
192	0	correlation	38.677	38.97	0.293
193	0	correlation	38.218	38.348	0.1299

Test Statistics (µs)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	36.608	39.432	43.926	2.3556	36.908	39.815	44.254	2.4019	0.1299	0.3834	0.8371	0.22134
3	37.329	40.057	45.936	2.6089	37.145	39.832	45.819	2.654	-0.7919	-0.22571	0.1331	0.23755
10	37.957	41.91	43.613	1.6788	37.546	41.161	43.011	1.6342	-2.0402	-0.74926	0.1992	0.68041
30	36.969	41.862	46.322	2.6872	36.755	41.436	46.492	2.9714	-1.8893	-0.42647	1.4607	0.9247
50	37.549	40.604	48.446	3.6947	37.213	40.395	48.421	3.544	-0.9675	-0.20934	0.7887	0.56273
100	37.883	40.494	44.826	2.4477	38.047	39.819	44.336	2.0558	-1.8764	-0.67495	1.374	1.0054



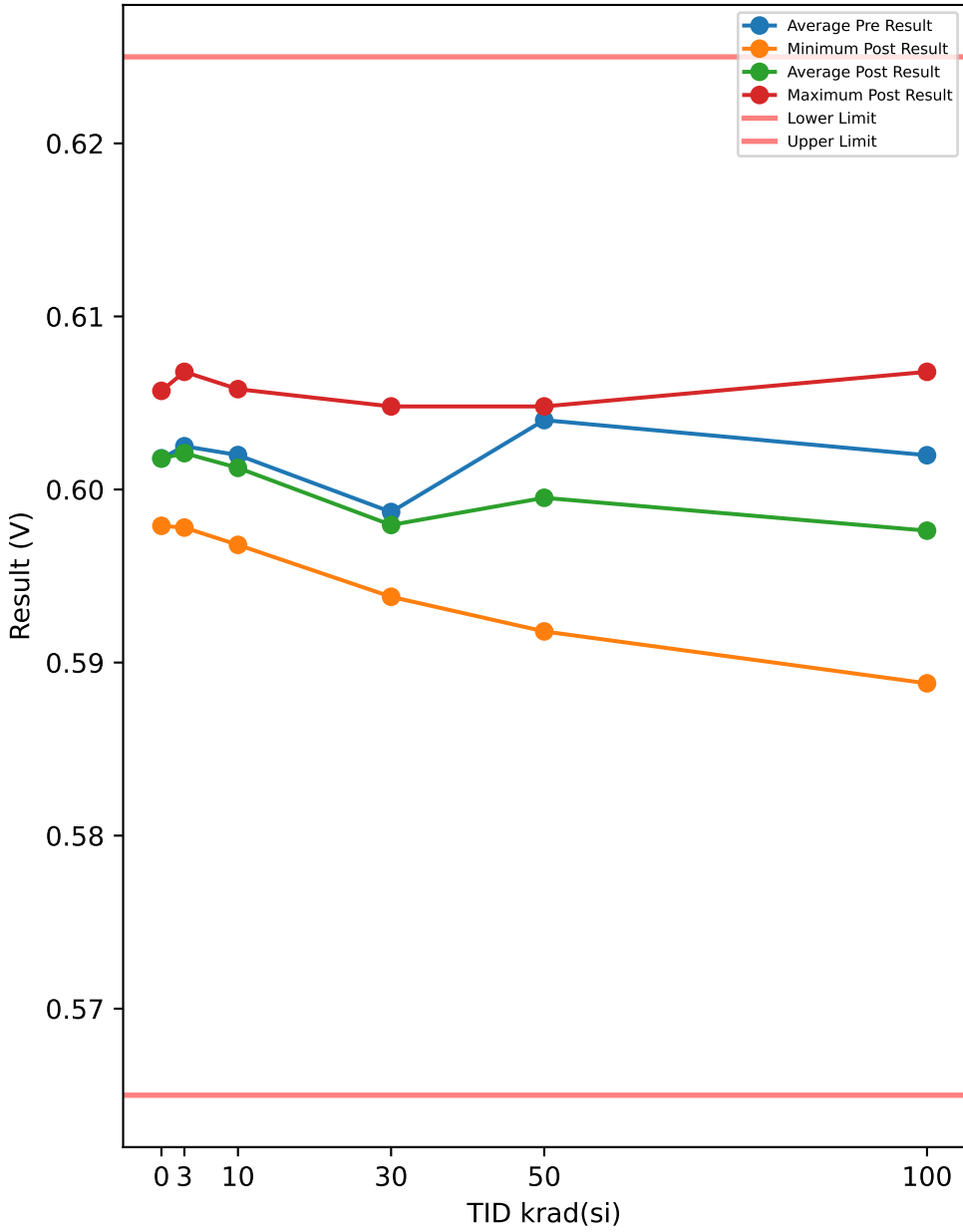
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	47.933	47.912	-0.0206
55	3	HDR unbiased	41.256	40.556	-0.6999
57	3	HDR unbiased	37.62	37.309	-0.3111
58	3	HDR unbiased	41.889	41.483	-0.4055
59	3	HDR unbiased	40.777	40.685	-0.0925
82	10	HDR unbiased	44.348	43.921	-0.4277
83	10	HDR unbiased	42.953	41.23	-1.7227
84	10	HDR unbiased	44.729	43.771	-0.9575
85	10	HDR unbiased	45.976	43.445	-2.5311
87	10	HDR unbiased	45.347	43.636	-1.7109
94	30	HDR unbiased	40.12	38.01	-2.1105
95	30	HDR unbiased	48.967	48.554	-0.4137
97	30	HDR unbiased	43.692	41.281	-2.4114
98	30	HDR unbiased	46.248	44.514	-1.7341
99	30	HDR unbiased	45.511	44.412	-1.0985
105	50	HDR unbiased	43.921	42.858	-1.0628
107	50	HDR unbiased	38.401	39.192	0.791
108	50	HDR unbiased	40.747	40.731	-0.0159
109	50	HDR unbiased	39.148	39.974	0.8262
110	50	HDR unbiased	43.784	43.324	-0.4601
121	100	HDR biased	40.385	39.353	-1.0322
123	100	HDR biased	39.188	39.335	0.147
124	100	HDR biased	41.405	38.996	-2.4093
125	100	HDR biased	46.61	45.437	-1.173
126	100	HDR biased	43.546	41.876	-1.6704
127	50	HDR biased	46.843	46.066	-0.777
128	50	HDR biased	37.891	37.875	-0.0165
129	50	HDR biased	49.655	49.762	0.1065
130	50	HDR biased	38.737	38.554	-0.1832
132	50	HDR biased	39.16	38.112	-1.0473
149	100	HDR unbiased	40.034	39.948	-0.0858
150	100	HDR unbiased	41.152	40.312	-0.8394
151	100	HDR unbiased	39.399	40.867	1.4675
152	100	HDR unbiased	42.366	40.403	-1.9626
153	100	HDR unbiased	46.684	44.522	-2.162
164	30	HDR biased	45.073	44.278	-0.7951
165	30	HDR biased	45.402	45.296	-0.1059
166	30	HDR biased	43.705	45.428	1.7236
168	30	HDR biased	35.535	35.279	-0.2566
169	30	HDR biased	42.425	42.683	0.258
170	10	HDR biased	43.674	44.204	0.5307
171	10	HDR biased	43.801	43.233	-0.5683
172	10	HDR biased	38.742	38.237	-0.5047
173	10	HDR biased	43.724	43.799	0.0748
174	10	HDR biased	45.171	45.274	0.1026
175	3	HDR biased	39.354	39.099	-0.2549
176	3	HDR biased	42.716	42.573	-0.1424
178	3	HDR biased	44.786	44.892	0.1069
179	3	HDR biased	37.554	37.491	-0.0633
180	3	HDR biased	39.731	39.853	0.1213
187	0	correlation	41.688	42.05	0.3625
188	0	correlation	45.641	45.997	0.3561
189	0	correlation	43.029	43.258	0.2283
190	0	correlation	39.913	40.009	0.0953
191	0	correlation	36.929	37.331	0.4011
192	0	correlation	39.894	40.155	0.2613
193	0	correlation	38.967	39.097	0.13

Test Statistics (μs)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	36.929	40.866	45.641	2.8609	37.331	41.128	45.997	2.882	0.0953	0.26209	0.4011	0.11878
3	37.554	41.362	47.933	3.2068	37.309	41.185	47.912	3.2738	-0.6999	-0.1762	0.1213	0.25055
10	38.742	43.847	45.976	2.0131	38.237	43.075	45.274	1.9754	-2.5311	-0.77148	0.5307	0.96175
30	35.535	43.668	48.967	3.7027	35.279	42.973	48.554	3.8802	-2.4114	-0.69442	1.7236	1.2283
50	37.891	41.829	49.655	4.0399	37.875	41.645	49.762	3.8817	-1.0628	-0.18391	0.8262	0.67142
100	39.188	42.077	46.684	2.7463	38.996	41.105	45.437	2.2163	-2.4093	-0.97202	1.4675	1.2019

Device Test: 13.4 VIH_EN(THRESHOLD|RISE/EN/3.3/0.6//10//@VIH_EN)

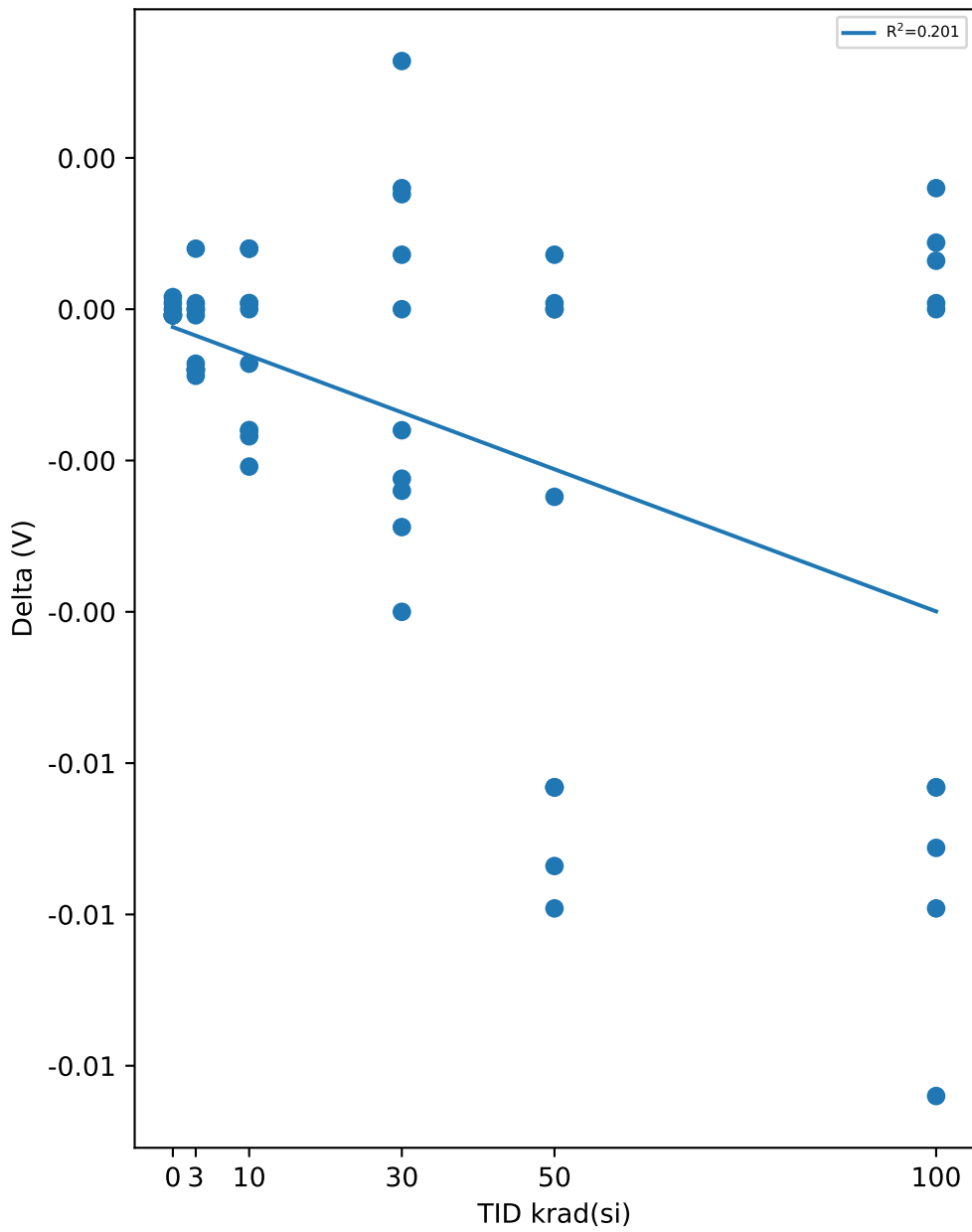
TID vs Result Stats



Test Results (Lower Limit = 0.565, Upper Limit = 0.625 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.6029	0.6018	-0.0011
55	3	HDR unbiased	0.6048	0.6058	0.001
57	3	HDR unbiased	0.5978	0.5979	0.0001
58	3	HDR unbiased	0.6068	0.6068	0
59	3	HDR unbiased	0.6039	0.6038	-0.0001
82	10	HDR unbiased	0.6038	0.6048	0.001
83	10	HDR unbiased	0.5988	0.5979	-0.0009
84	10	HDR unbiased	0.6049	0.6028	-0.0021
85	10	HDR unbiased	0.5989	0.5999	0.001
87	10	HDR unbiased	0.6038	0.6039	0.0001
94	30	HDR unbiased	0.5969	0.5988	0.0019
95	30	HDR unbiased	0.5958	0.5958	0
97	30	HDR unbiased	0.6039	0.6048	0.0009
98	30	HDR unbiased	0.5958	0.5999	0.0041
99	30	HDR unbiased	0.5969	0.5989	0.002
105	50	HDR unbiased	0.6029	0.6029	0
107	50	HDR unbiased	0.6019	0.6019	0
108	50	HDR unbiased	0.6039	0.6048	0.0009
109	50	HDR unbiased	0.6029	0.5998	-0.0031
110	50	HDR unbiased	0.6037	0.6038	0.0001
121	100	HDR biased	0.6018	0.5888	-0.013
123	100	HDR biased	0.6007	0.5908	-0.0099
124	100	HDR biased	0.6036	0.5957	-0.0079
125	100	HDR biased	0.6036	0.5957	-0.0079
126	100	HDR biased	0.6027	0.5938	-0.0089
127	50	HDR biased	0.5997	0.5918	-0.0079
128	50	HDR biased	0.6027	0.5928	-0.0099
129	50	HDR biased	0.6057	0.5978	-0.0079
130	50	HDR biased	0.6067	0.5988	-0.0079
132	50	HDR biased	0.61	0.6008	-0.0092
149	100	HDR unbiased	0.6	0.6008	0.0008
150	100	HDR unbiased	0.6038	0.6049	0.0011
151	100	HDR unbiased	0.6048	0.6068	0.002
152	100	HDR unbiased	0.5988	0.5989	0.0001
153	100	HDR unbiased	0.6	0.6	0
164	30	HDR biased	0.5998	0.5948	-0.005
165	30	HDR biased	0.6006	0.5978	-0.0028
166	30	HDR biased	0.5998	0.5978	-0.002
168	30	HDR biased	0.6007	0.5971	-0.0036
169	30	HDR biased	0.5968	0.5938	-0.003
170	10	HDR biased	0.6058	0.6058	0
171	10	HDR biased	0.5997	0.5971	-0.0026
172	10	HDR biased	0.6037	0.6017	-0.002
173	10	HDR biased	0.6017	0.6018	0.0001
174	10	HDR biased	0.5988	0.5968	-0.002
175	3	HDR biased	0.6037	0.6027	-0.001
176	3	HDR biased	0.5988	0.5978	-0.001
178	3	HDR biased	0.5988	0.5979	-0.0009
179	3	HDR biased	0.6068	0.6068	0
180	3	HDR biased	0.6007	0.5997	-0.001
187	0	correlation	0.6038	0.6037	-0.0001
188	0	correlation	0.5986	0.5988	0.0002
189	0	correlation	0.6038	0.6038	0
190	0	correlation	0.5989	0.5988	-0.0001
191	0	correlation	0.6039	0.6038	-0.0001
192	0	correlation	0.5978	0.5979	0.0001
193	0	correlation	0.6058	0.6057	-0.0001

TID vs Post - Pre Exposure Delta

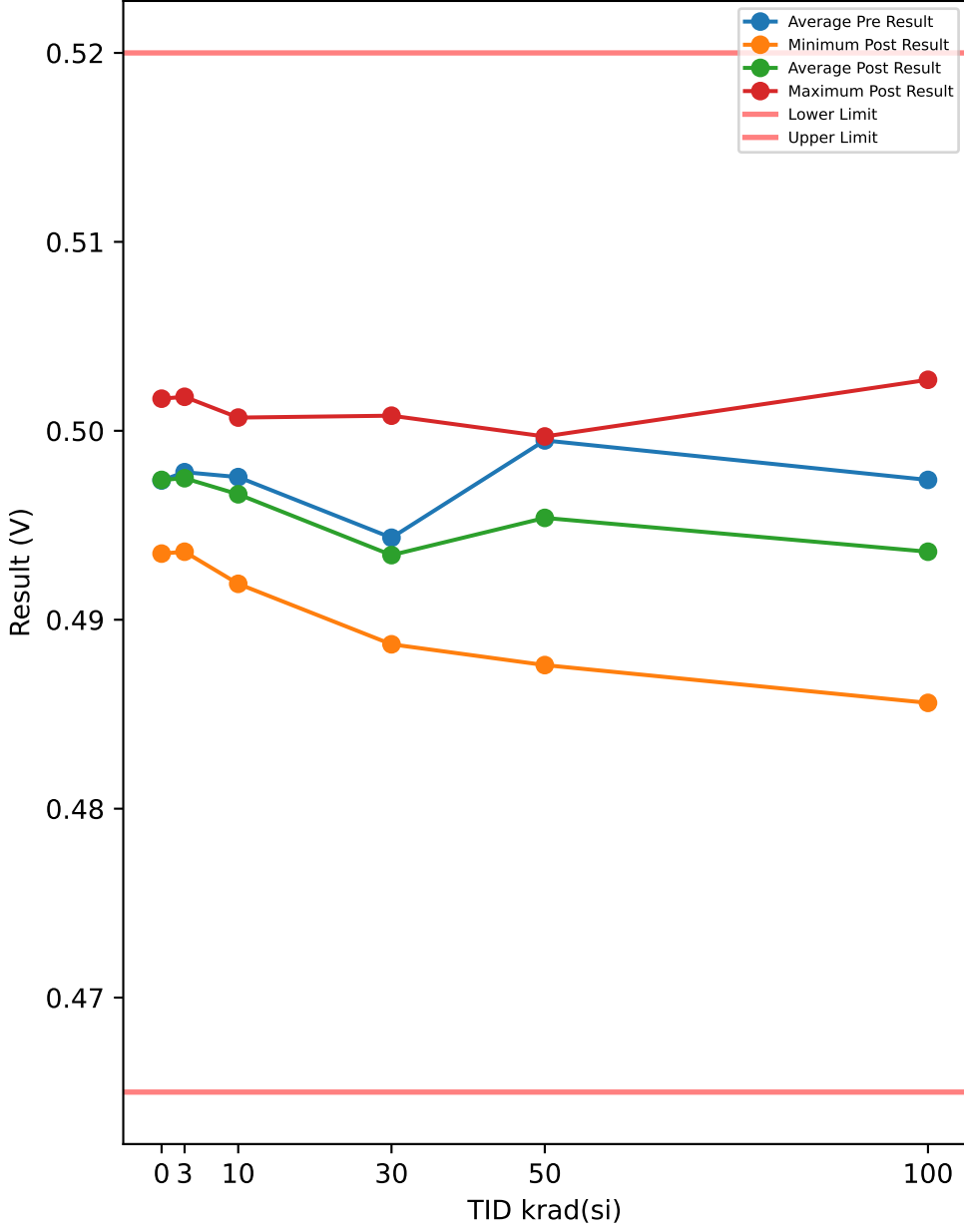


Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5978	0.6018	0.6058	0.0032419	0.5979	0.60179	0.6057	0.003163	-0.0001	-1.4286e-05	0.0002	0.0001215
3	0.5978	0.6025	0.6068	0.0033089	0.5978	0.6021	0.6068	0.0036627	-0.0011	-0.0004	0.001	0.00070238
10	0.5988	0.60199	0.6058	0.0027424	0.5968	0.60125	0.6058	0.0032198	-0.0026	-0.00074	0.001	0.001355
30	0.5958	0.5987	0.6039	0.0026662	0.5938	0.59795	0.6048	0.0030711	-0.005	-0.00075	0.0041	0.0029516
50	0.5997	0.60401	0.61	0.0028536	0.5918	0.59952	0.6048	0.0043873	-0.0099	-0.00449	0.0009	0.0044561
100	0.5988	0.60198	0.6048	0.0020181	0.5888	0.59762	0.6068	0.0057827	-0.013	-0.00436	0.002	0.0056451

Device Test: 13.5 VIL_EN(THRESHOLD|FALL/EN/3.3/0.6//10//@VIL_EN)

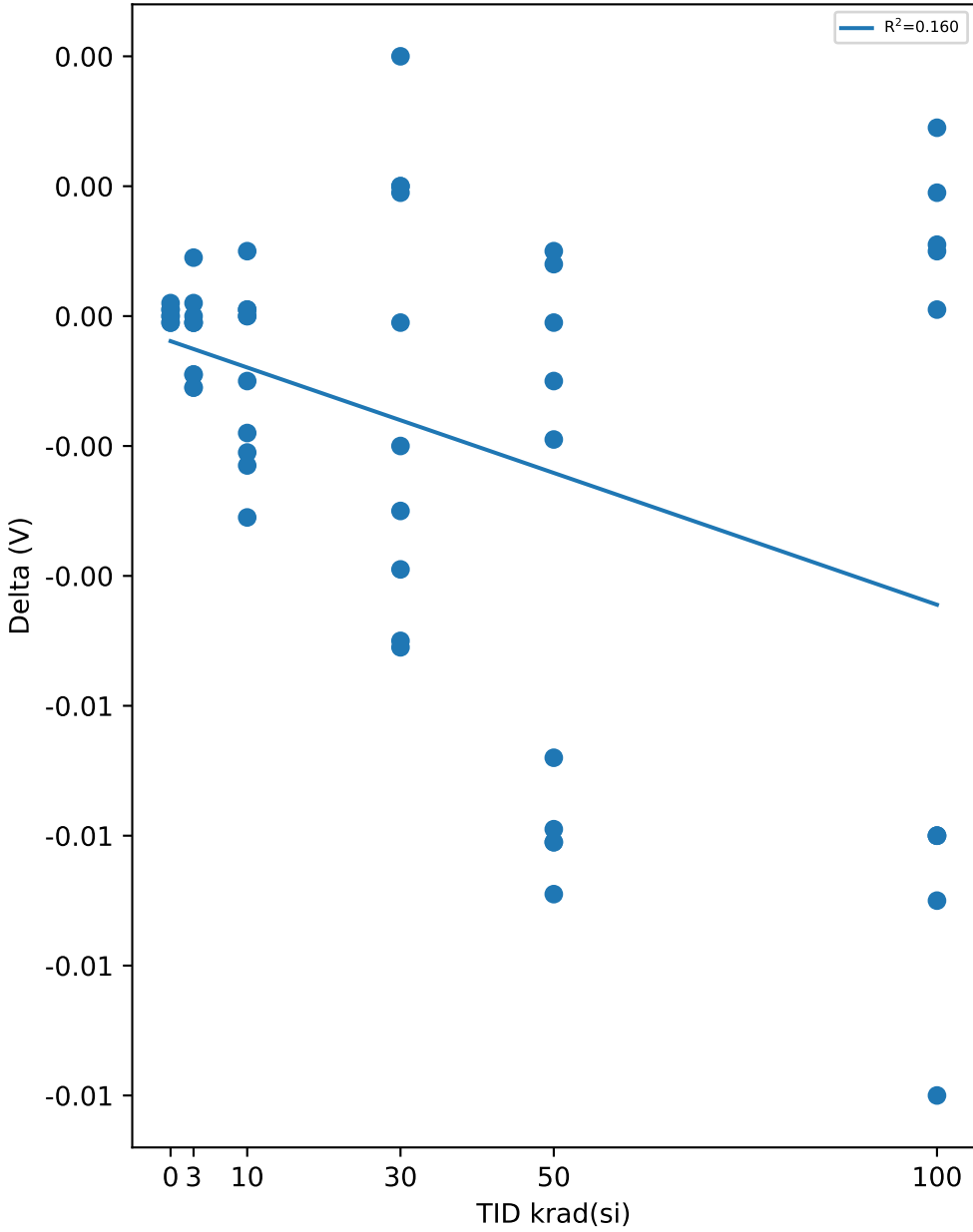
TID vs Result Stats



Test Results (Lower Limit = 0.465, Upper Limit = 0.52 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.4977	0.4976	-0.0001
55	3	HDR unbiased	0.4998	0.5007	0.0009
57	3	HDR unbiased	0.4938	0.4937	-0.0001
58	3	HDR unbiased	0.5016	0.5018	0.0002
59	3	HDR unbiased	0.4989	0.4988	-0.0001
82	10	HDR unbiased	0.4997	0.4998	0.0001
83	10	HDR unbiased	0.4947	0.4937	-0.001
84	10	HDR unbiased	0.4998	0.4977	-0.0021
85	10	HDR unbiased	0.4947	0.4957	0.001
87	10	HDR unbiased	0.4997	0.4997	0
94	30	HDR unbiased	0.4927	0.4947	0.002
95	30	HDR unbiased	0.4928	0.4927	-0.0001
97	30	HDR unbiased	0.4989	0.5008	0.0019
98	30	HDR unbiased	0.4907	0.4947	0.004
99	30	HDR unbiased	0.4927	0.4947	0.002
105	50	HDR unbiased	0.4989	0.4988	-0.0001
107	50	HDR unbiased	0.4987	0.4977	-0.001
108	50	HDR unbiased	0.4989	0.4997	0.0008
109	50	HDR unbiased	0.4976	0.4957	-0.0019
110	50	HDR unbiased	0.4987	0.4997	0.001
121	100	HDR biased	0.4976	0.4856	-0.012
123	100	HDR biased	0.4957	0.4877	-0.008
124	100	HDR biased	0.4996	0.4916	-0.008
125	100	HDR biased	0.4996	0.4916	-0.008
126	100	HDR biased	0.4977	0.4887	-0.009
127	50	HDR biased	0.4957	0.4876	-0.0081
128	50	HDR biased	0.4986	0.4897	-0.0089
129	50	HDR biased	0.5017	0.4936	-0.0081
130	50	HDR biased	0.5015	0.4947	-0.0068
132	50	HDR biased	0.5046	0.4967	-0.0079
149	100	HDR unbiased	0.4958	0.4968	0.001
150	100	HDR unbiased	0.4988	0.5007	0.0019
151	100	HDR unbiased	0.4998	0.5027	0.0029
152	100	HDR unbiased	0.4947	0.4948	0.0001
153	100	HDR unbiased	0.4947	0.4958	0.0011
164	30	HDR biased	0.4957	0.4906	-0.0051
165	30	HDR biased	0.4957	0.4927	-0.003
166	30	HDR biased	0.4947	0.4927	-0.002
168	30	HDR biased	0.4969	0.4919	-0.005
169	30	HDR biased	0.4926	0.4887	-0.0039
170	10	HDR biased	0.5007	0.5007	0
171	10	HDR biased	0.495	0.4919	-0.0031
172	10	HDR biased	0.4987	0.4969	-0.0018
173	10	HDR biased	0.4976	0.4977	0.0001
174	10	HDR biased	0.4949	0.4926	-0.0023
175	3	HDR biased	0.4986	0.4977	-0.0009
176	3	HDR biased	0.4947	0.4936	-0.0011
178	3	HDR biased	0.4947	0.4947	0
179	3	HDR biased	0.5016	0.5007	-0.0009
180	3	HDR biased	0.4967	0.4956	-0.0011
187	0	correlation	0.4987	0.4987	0
188	0	correlation	0.4947	0.4949	0.0002
189	0	correlation	0.4987	0.4987	0
190	0	correlation	0.4946	0.4947	0.0001
191	0	correlation	0.4997	0.4996	-0.0001
192	0	correlation	0.4936	0.4935	-0.0001
193	0	correlation	0.5016	0.5017	0.0001

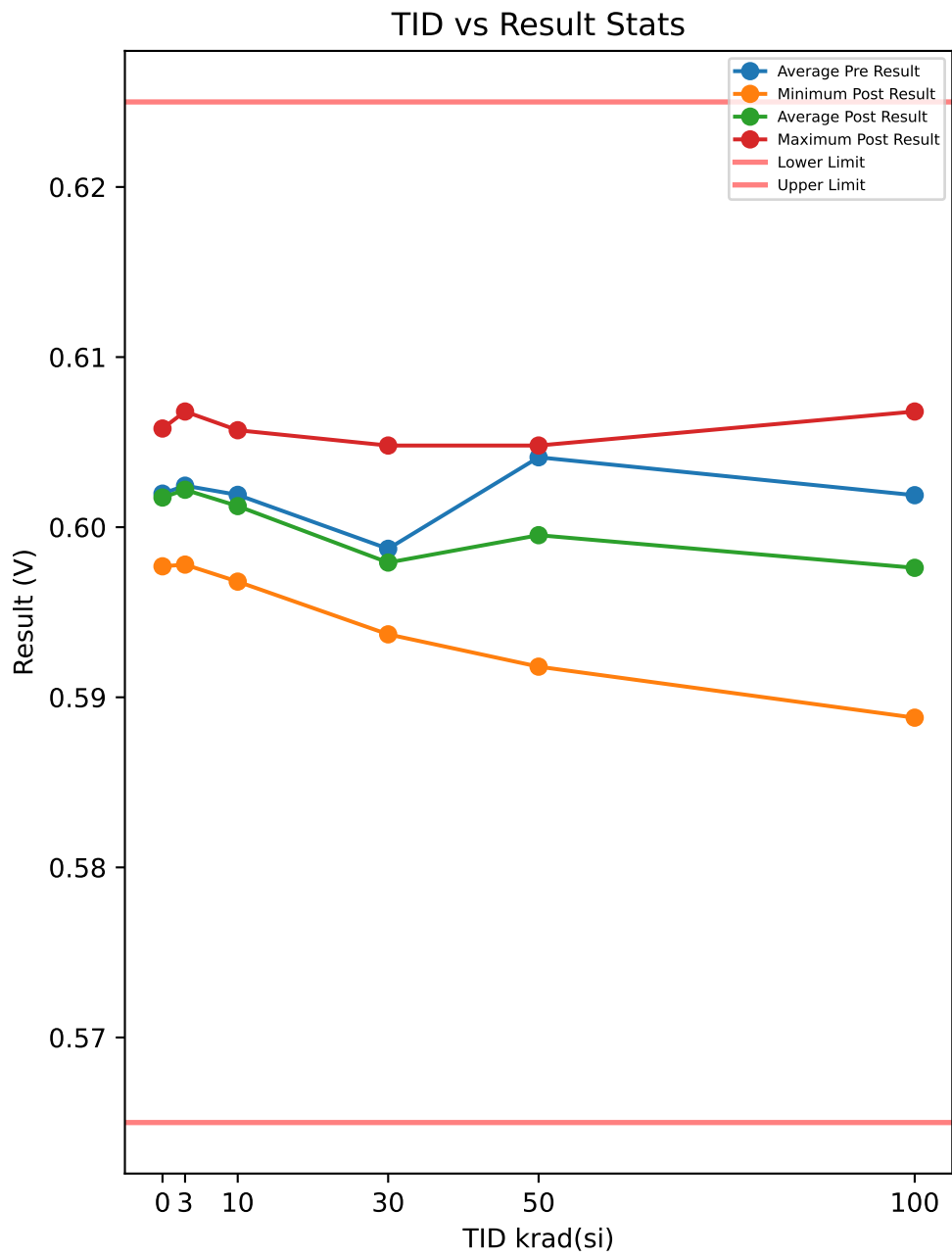
TID vs Post - Pre Exposure Delta



Test Statistics (V)

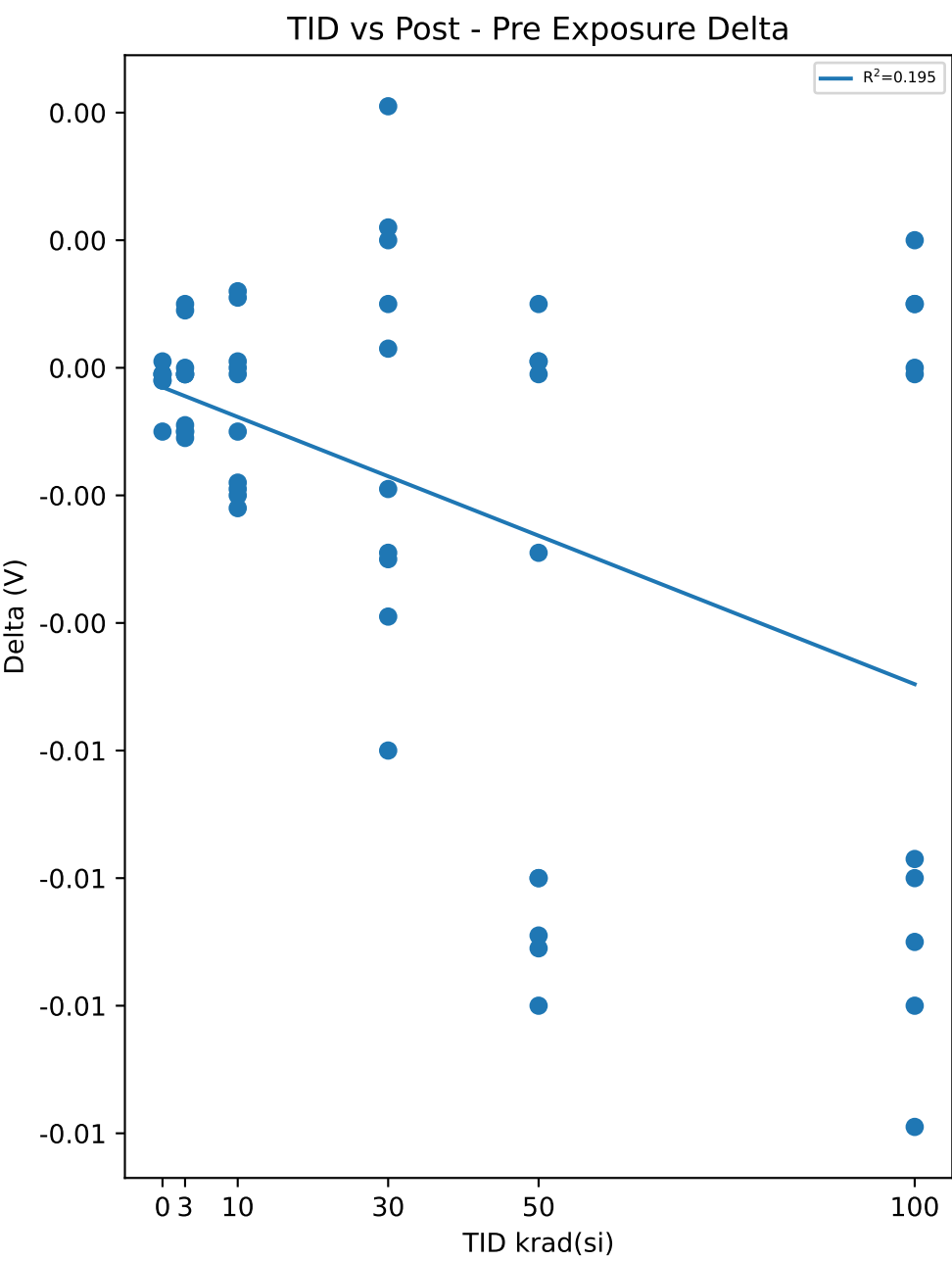
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.4936	0.49737	0.5016	0.0030516	0.4935	0.4974	0.5017	0.0030403	-0.0001	2.8571e-05	0.0002	0.00011127
3	0.4938	0.49781	0.5016	0.0028121	0.4936	0.49749	0.5018	0.0030149	-0.0011	-0.00032	0.0009	0.00065794
10	0.4947	0.49755	0.5007	0.0024794	0.4919	0.49664	0.5007	0.0030995	-0.0031	-0.00091	0.001	0.0013453
30	0.4907	0.49434	0.4989	0.0024766	0.4887	0.49342	0.5008	0.0032228	-0.0051	-0.00092	0.004	0.0033062
50	0.4957	0.49949	0.5046	0.0024879	0.4876	0.49539	0.4997	0.0041186	-0.0089	-0.0041	0.001	0.0041798
100	0.4947	0.4974	0.4998	0.0020429	0.4856	0.4936	0.5027	0.0055833	-0.012	-0.0038	0.0029	0.0056455

Device Test: 13.7 VIH_EN(THRESHOLD|RISE/EN/5/0.6//10//@VIH_EN)



Test Results (Lower Limit = 0.565, Upper Limit = 0.625 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.603	0.6019	-0.0011
55	3	HDR unbiased	0.6049	0.6058	0.0009
57	3	HDR unbiased	0.5979	0.5978	-0.0001
58	3	HDR unbiased	0.6058	0.6068	0.001
59	3	HDR unbiased	0.6039	0.6038	-0.0001
82	10	HDR unbiased	0.6038	0.6049	0.0011
83	10	HDR unbiased	0.5988	0.5978	-0.001
84	10	HDR unbiased	0.6047	0.6029	-0.0018
85	10	HDR unbiased	0.5988	0.6	0.0012
87	10	HDR unbiased	0.6039	0.6039	0
94	30	HDR unbiased	0.5969	0.5989	0.002
95	30	HDR unbiased	0.5956	0.5959	0.0003
97	30	HDR unbiased	0.6038	0.6048	0.001
98	30	HDR unbiased	0.5958	0.5999	0.0041
99	30	HDR unbiased	0.5966	0.5988	0.0022
105	50	HDR unbiased	0.6029	0.6028	-0.0001
107	50	HDR unbiased	0.6018	0.6019	0.0001
108	50	HDR unbiased	0.6038	0.6048	0.001
109	50	HDR unbiased	0.6028	0.5999	-0.0029
110	50	HDR unbiased	0.6038	0.6039	0.0001
121	100	HDR biased	0.6007	0.5888	-0.0119
123	100	HDR biased	0.6007	0.5907	-0.01
124	100	HDR biased	0.6036	0.5959	-0.0077
125	100	HDR biased	0.6037	0.5957	-0.008
126	100	HDR biased	0.6028	0.5938	-0.009
127	50	HDR biased	0.5998	0.5918	-0.008
128	50	HDR biased	0.6028	0.5928	-0.01
129	50	HDR biased	0.6069	0.5978	-0.0091
130	50	HDR biased	0.6068	0.5988	-0.008
132	50	HDR biased	0.6097	0.6008	-0.0089
149	100	HDR unbiased	0.5999	0.6009	0.001
150	100	HDR unbiased	0.6038	0.6048	0.001
151	100	HDR unbiased	0.6048	0.6068	0.002
152	100	HDR unbiased	0.5989	0.5988	-0.0001
153	100	HDR unbiased	0.5999	0.5999	0
164	30	HDR biased	0.6008	0.5948	-0.006
165	30	HDR biased	0.6007	0.5978	-0.0029
166	30	HDR biased	0.5997	0.5978	-0.0019
168	30	HDR biased	0.6007	0.5968	-0.0039
169	30	HDR biased	0.5967	0.5937	-0.003
170	10	HDR biased	0.6058	0.6057	-0.0001
171	10	HDR biased	0.5988	0.5969	-0.0019
172	10	HDR biased	0.6039	0.6017	-0.0022
173	10	HDR biased	0.6017	0.6018	0.0001
174	10	HDR biased	0.5988	0.5968	-0.002
175	3	HDR biased	0.6037	0.6027	-0.001
176	3	HDR biased	0.5989	0.5979	-0.001
178	3	HDR biased	0.5988	0.5988	0
179	3	HDR biased	0.6068	0.6067	-0.0001
180	3	HDR biased	0.6007	0.5998	-0.0009
187	0	correlation	0.6038	0.6037	-0.0001
188	0	correlation	0.5988	0.5987	-0.0001
189	0	correlation	0.6039	0.6037	-0.0002
190	0	correlation	0.5988	0.5978	-0.001
191	0	correlation	0.605	0.6048	-0.0002
192	0	correlation	0.5978	0.5977	-0.0001
193	0	correlation	0.6057	0.6058	0.0001

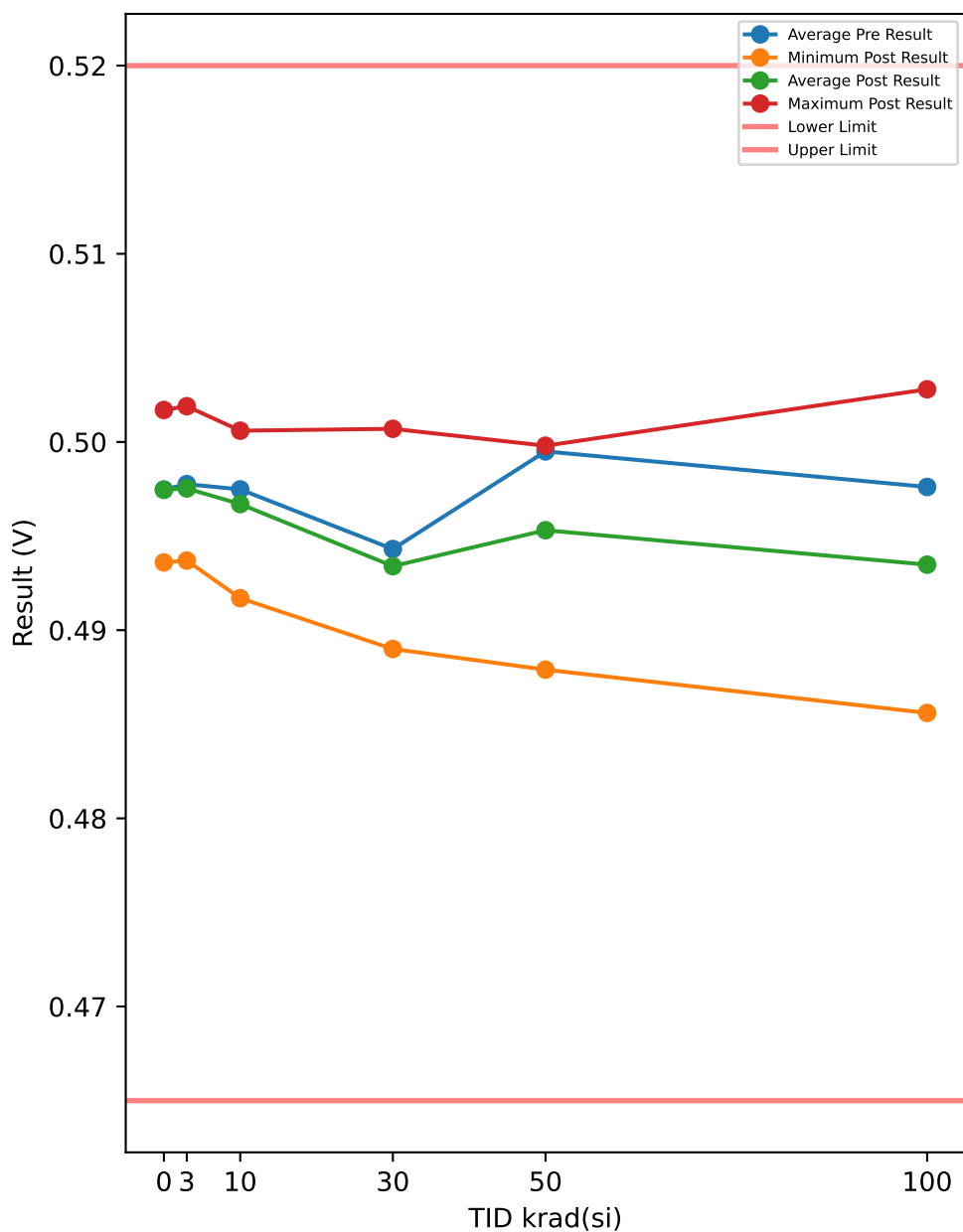


Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5978	0.60197	0.6057	0.0033579	0.5977	0.60174	0.6058	0.0035265	-0.001	-0.00022857	0.0001	0.00035456
3	0.5979	0.60244	0.6068	0.0031588	0.5978	0.6022	0.6068	0.0035346	-0.0011	-0.00024	0.001	0.00076623
10	0.5988	0.6019	0.6058	0.0028507	0.5968	0.60124	0.6057	0.0032586	-0.0022	-0.00066	0.0012	0.0012912
30	0.5956	0.59873	0.6038	0.0027705	0.5937	0.59792	0.6048	0.0030893	-0.006	-0.00081	0.0041	0.0032043
50	0.5998	0.60411	0.6097	0.0028919	0.5918	0.59953	0.6048	0.0043907	-0.01	-0.00458	0.001	0.004591
100	0.5989	0.60188	0.6048	0.0020773	0.5888	0.59761	0.6068	0.0057744	-0.0119	-0.00427	0.002	0.005473

Device Test: 13.8 VIL_EN(THRESHOLD|FALL/EN/5/0.6//10//@VIL_EN)

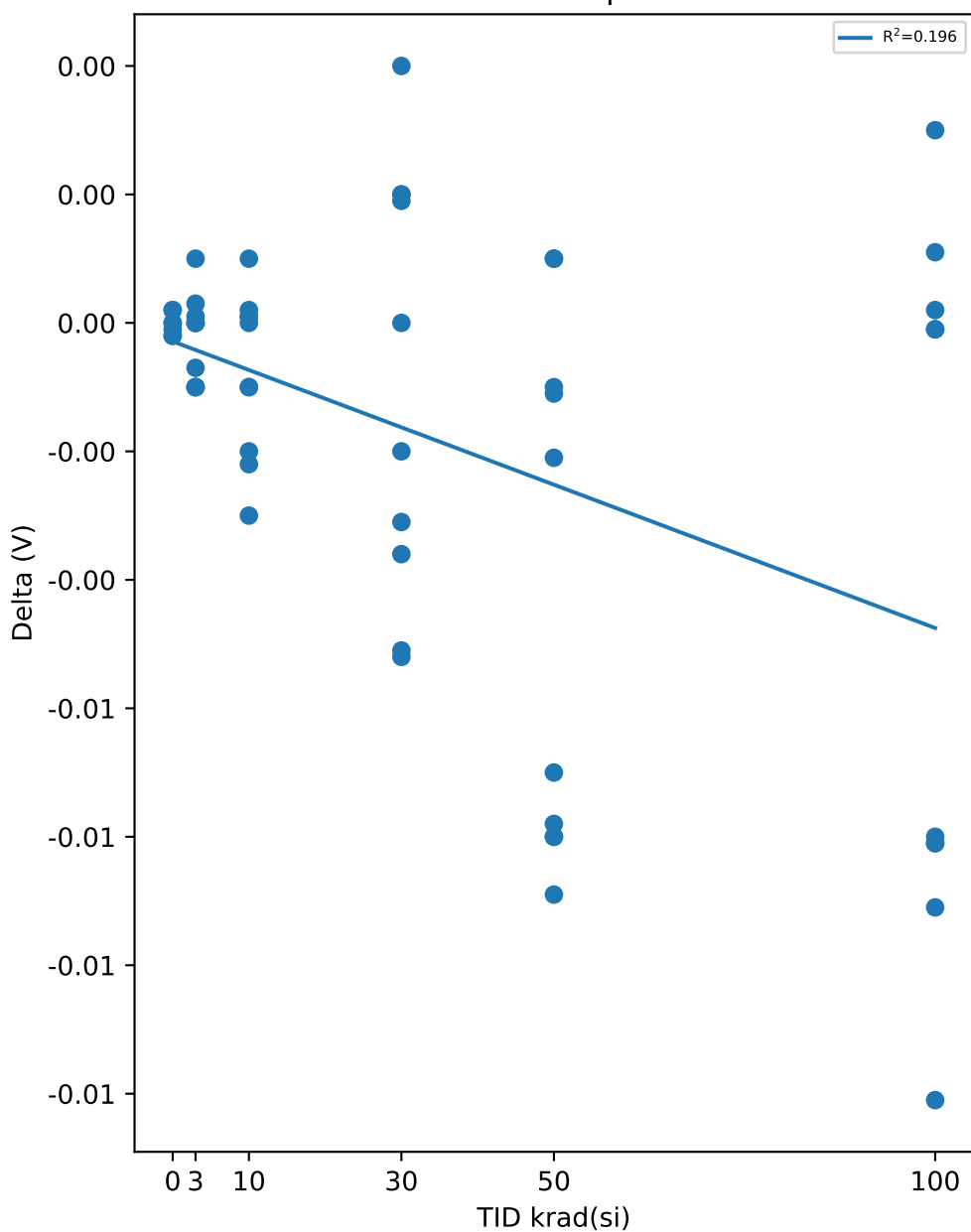
TID vs Result Stats



Test Results (Lower Limit = 0.465, Upper Limit = 0.52 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.4976	0.4977	0.0001
55	3	HDR unbiased	0.4997	0.5007	0.001
57	3	HDR unbiased	0.4937	0.4937	0
58	3	HDR unbiased	0.5016	0.5019	0.0003
59	3	HDR unbiased	0.4988	0.4988	0
82	10	HDR unbiased	0.4996	0.4998	0.0002
83	10	HDR unbiased	0.4947	0.4937	-0.001
84	10	HDR unbiased	0.4997	0.4987	-0.001
85	10	HDR unbiased	0.4947	0.4957	0.001
87	10	HDR unbiased	0.4998	0.4999	0.0001
94	30	HDR unbiased	0.4928	0.4947	0.0019
95	30	HDR unbiased	0.4927	0.4927	0
97	30	HDR unbiased	0.4987	0.5007	0.002
98	30	HDR unbiased	0.4908	0.4948	0.004
99	30	HDR unbiased	0.4927	0.4947	0.002
105	50	HDR unbiased	0.4987	0.4977	-0.001
107	50	HDR unbiased	0.4987	0.4976	-0.0011
108	50	HDR unbiased	0.4988	0.4998	0.001
109	50	HDR unbiased	0.4978	0.4957	-0.0021
110	50	HDR unbiased	0.4988	0.4998	0.001
121	100	HDR biased	0.4977	0.4856	-0.0121
123	100	HDR biased	0.4957	0.4876	-0.0081
124	100	HDR biased	0.4996	0.4916	-0.008
125	100	HDR biased	0.4997	0.4916	-0.0081
126	100	HDR biased	0.4977	0.4886	-0.0091
127	50	HDR biased	0.4957	0.4879	-0.0078
128	50	HDR biased	0.4986	0.4897	-0.0089
129	50	HDR biased	0.5016	0.4936	-0.008
130	50	HDR biased	0.5017	0.4947	-0.007
132	50	HDR biased	0.5046	0.4966	-0.008
149	100	HDR unbiased	0.4958	0.4957	-0.0001
150	100	HDR unbiased	0.4997	0.5008	0.0011
151	100	HDR unbiased	0.4998	0.5028	0.003
152	100	HDR unbiased	0.4946	0.4948	0.0002
153	100	HDR unbiased	0.4958	0.4957	-0.0001
164	30	HDR biased	0.4956	0.4905	-0.0051
165	30	HDR biased	0.4957	0.4926	-0.0031
166	30	HDR biased	0.4946	0.4926	-0.002
168	30	HDR biased	0.4969	0.4917	-0.0052
169	30	HDR biased	0.4926	0.489	-0.0036
170	10	HDR biased	0.5006	0.5006	0
171	10	HDR biased	0.4947	0.4917	-0.003
172	10	HDR biased	0.4987	0.4967	-0.002
173	10	HDR biased	0.4976	0.4977	0.0001
174	10	HDR biased	0.4947	0.4925	-0.0022
175	3	HDR biased	0.4986	0.4979	-0.0007
176	3	HDR biased	0.4947	0.4937	-0.001
178	3	HDR biased	0.4946	0.4946	0
179	3	HDR biased	0.5016	0.5006	-0.001
180	3	HDR biased	0.4967	0.4957	-0.001
187	0	correlation	0.4988	0.4986	-0.0002
188	0	correlation	0.4947	0.4947	0
189	0	correlation	0.4988	0.4987	-0.0001
190	0	correlation	0.4948	0.495	0.0002
191	0	correlation	0.4997	0.4999	0.0002
192	0	correlation	0.4938	0.4936	-0.0002
193	0	correlation	0.5017	0.5017	0

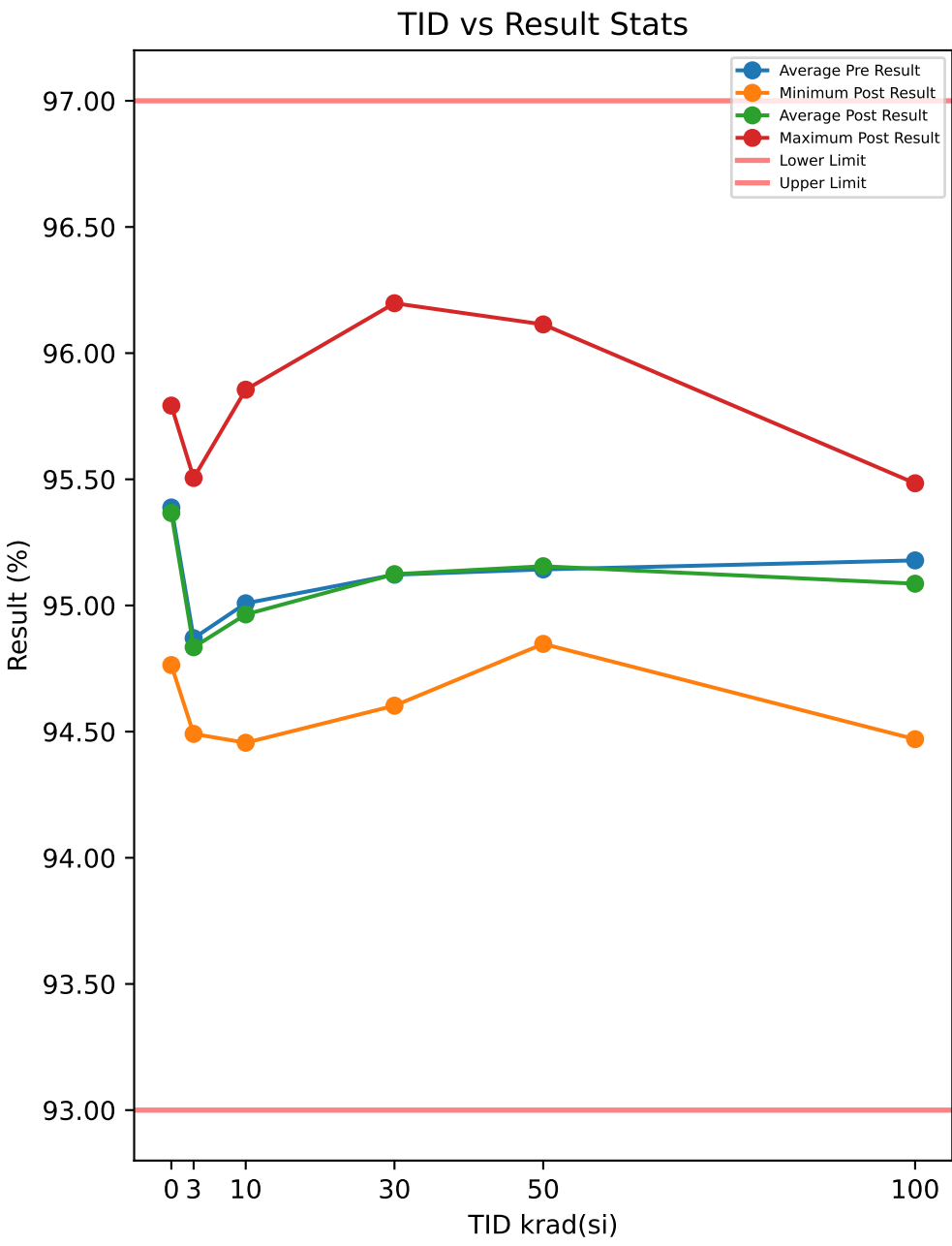
TID vs Post - Pre Exposure Delta



Test Statistics (V)

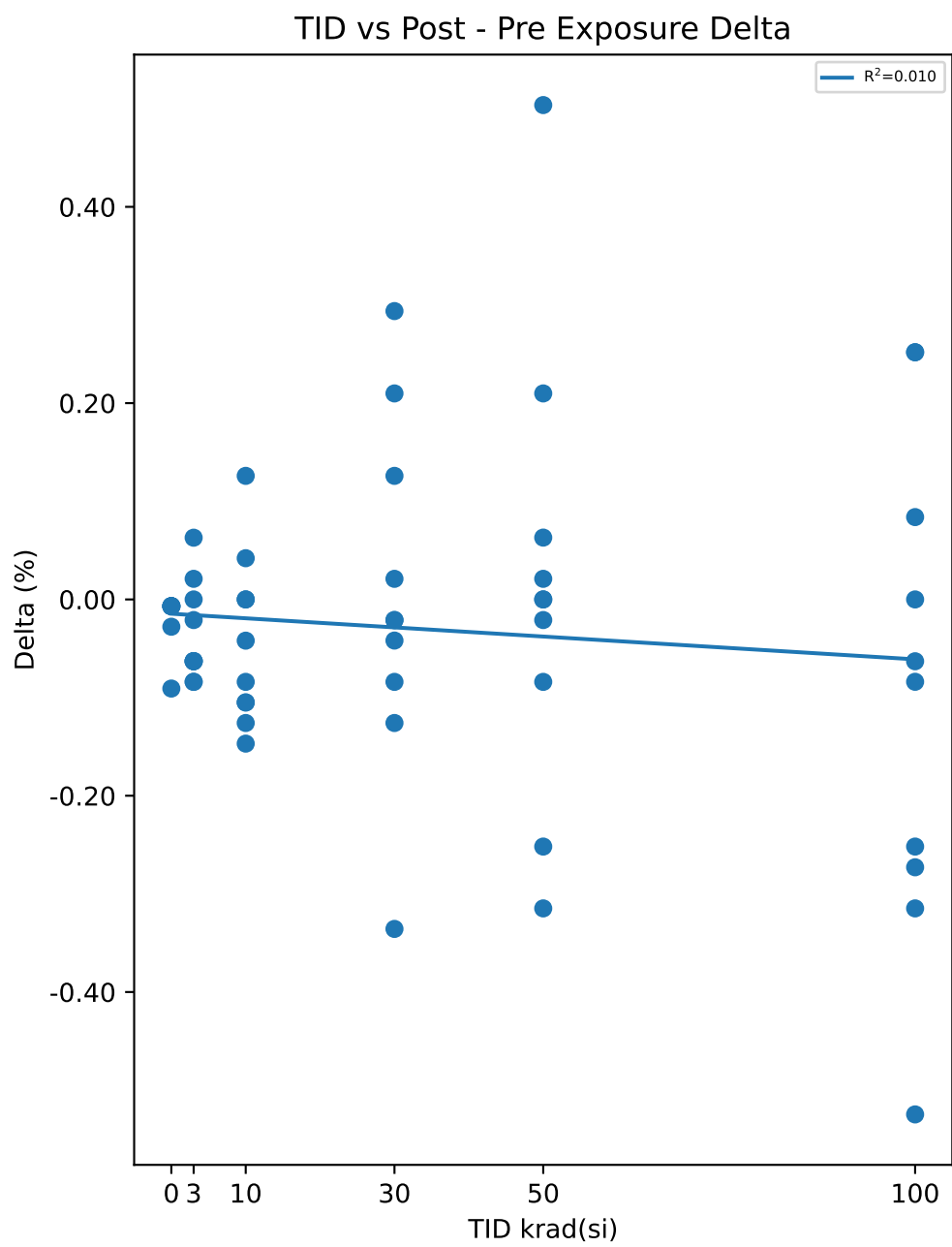
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.4938	0.49747	0.5017	0.0030187	0.4936	0.49746	0.5017	0.0030369	-0.0002	-1.4286e-05	0.0002	0.00016762
3	0.4937	0.49776	0.5016	0.0028289	0.4937	0.49753	0.5019	0.0030115	-0.001	-0.00023	0.001	0.00067173
10	0.4947	0.49748	0.5006	0.0025156	0.4917	0.4967	0.5006	0.0032094	-0.003	-0.00078	0.001	0.0012831
30	0.4908	0.49431	0.4987	0.0024122	0.489	0.4934	0.5007	0.0031808	-0.0052	-0.00091	0.004	0.0033158
50	0.4957	0.4995	0.5046	0.0024869	0.4879	0.49531	0.4998	0.0039829	-0.0089	-0.00419	0.001	0.004084
100	0.4946	0.49761	0.4998	0.0020212	0.4856	0.49348	0.5028	0.0055737	-0.0121	-0.00413	0.003	0.0054175

Device Test: 14.1 VPG_RISE(THRESHOLD|RISE/FB/2.25/0.6//10//@VPG_RISE)



Test Results (Lower Limit = 93.0, Upper Limit = 97.0 (%))

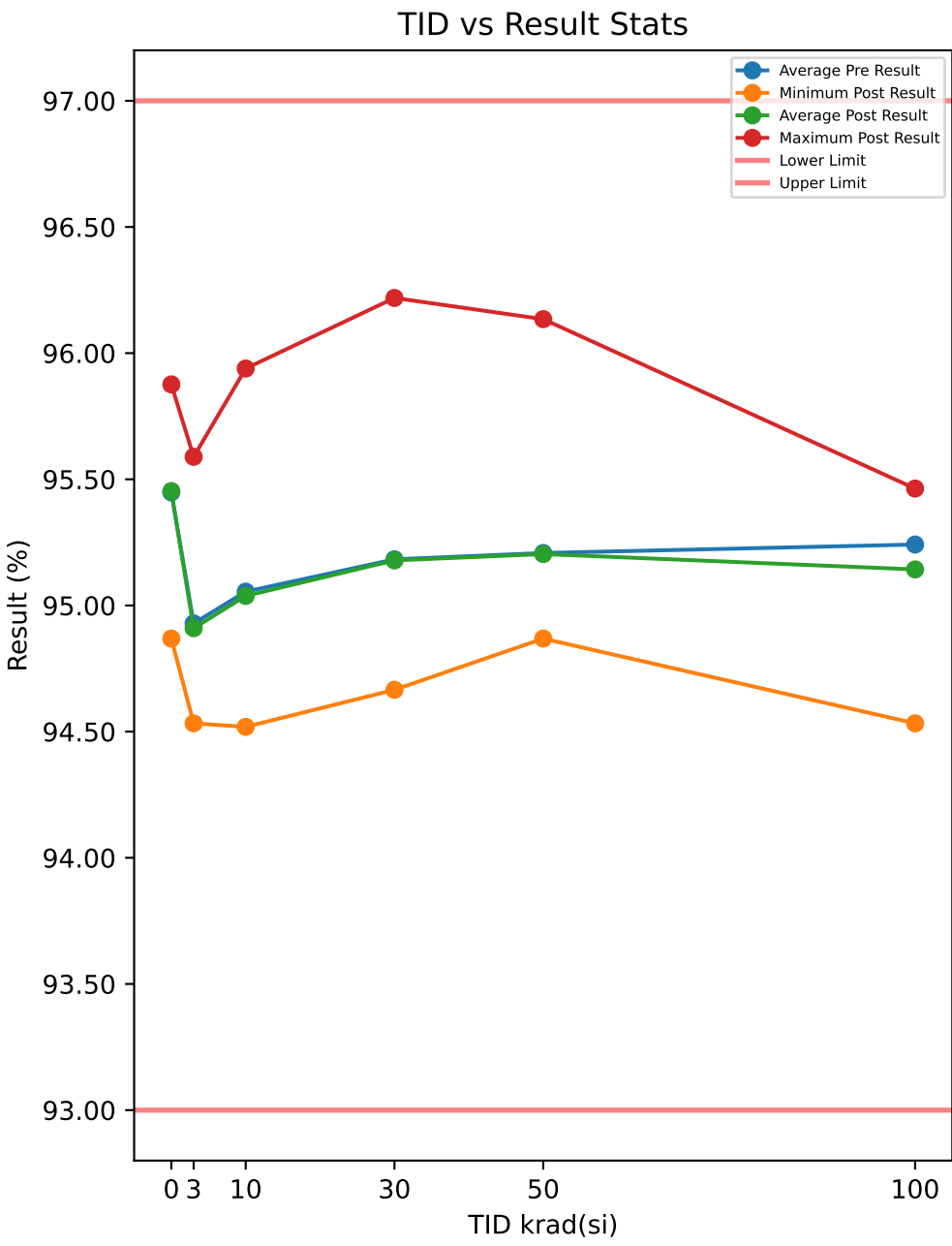
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	94.834	94.771	-0.0629
55	3	HDR unbiased	94.666	94.645	-0.021
57	3	HDR unbiased	95.106	95.106	0
58	3	HDR unbiased	95.568	95.505	-0.0629
59	3	HDR unbiased	95.043	95.106	0.0629
82	10	HDR unbiased	94.981	94.981	0
83	10	HDR unbiased	95.19	95.106	-0.084
84	10	HDR unbiased	94.981	95.106	0.1259
85	10	HDR unbiased	94.561	94.456	-0.1049
87	10	HDR unbiased	94.729	94.582	-0.1469
94	30	HDR unbiased	96.324	96.198	-0.1259
95	30	HDR unbiased	94.939	95.232	0.2938
97	30	HDR unbiased	95.358	95.337	-0.021
98	30	HDR unbiased	94.708	94.918	0.2099
99	30	HDR unbiased	94.645	94.603	-0.0419
105	50	HDR unbiased	95.61	96.114	0.5037
107	50	HDR unbiased	95.106	95.127	0.021
108	50	HDR unbiased	95.043	95.043	0
109	50	HDR unbiased	94.939	95.001	0.063
110	50	HDR unbiased	95.421	95.169	-0.2518
121	100	HDR biased	95.037	95.288	0.2518
123	100	HDR biased	95.288	95.288	0
124	100	HDR biased	95.561	95.037	-0.5247
125	100	HDR biased	94.785	94.47	-0.3148
126	100	HDR biased	95.162	94.911	-0.2518
127	50	HDR biased	94.848	94.848	0
128	50	HDR biased	95.1	95.079	-0.021
129	50	HDR biased	95.351	95.037	-0.3148
130	50	HDR biased	94.911	95.121	0.2099
132	50	HDR biased	95.1	95.016	-0.084
149	100	HDR unbiased	94.918	94.855	-0.063
150	100	HDR unbiased	95.253	95.169	-0.0839
151	100	HDR unbiased	95.169	95.253	0.0839
152	100	HDR unbiased	95.379	95.106	-0.2729
153	100	HDR unbiased	95.232	95.484	0.2519
164	30	HDR biased	95.561	95.687	0.1259
165	30	HDR biased	94.722	94.701	-0.021
166	30	HDR biased	94.995	94.659	-0.3357
168	30	HDR biased	94.785	94.701	-0.084
169	30	HDR biased	95.183	95.204	0.021
170	10	HDR biased	94.638	94.596	-0.042
171	10	HDR biased	95.813	95.855	0.042
172	10	HDR biased	94.722	94.596	-0.1259
173	10	HDR biased	95.498	95.498	0
174	10	HDR biased	94.974	94.869	-0.105
175	3	HDR biased	94.554	94.491	-0.0629
176	3	HDR biased	95.058	94.974	-0.0839
178	3	HDR biased	94.638	94.554	-0.084
179	3	HDR biased	94.596	94.533	-0.063
180	3	HDR biased	94.638	94.659	0.021
187	0	correlation	95.442	95.351	-0.0908
188	0	correlation	95.799	95.792	-0.0069
189	0	correlation	95.547	95.54	-0.0068
190	0	correlation	95.106	95.1	-0.0068
191	0	correlation	95.421	95.393	-0.0278
192	0	correlation	94.771	94.764	-0.0069
193	0	correlation	95.631	95.624	-0.0069



Test Statistics (%)

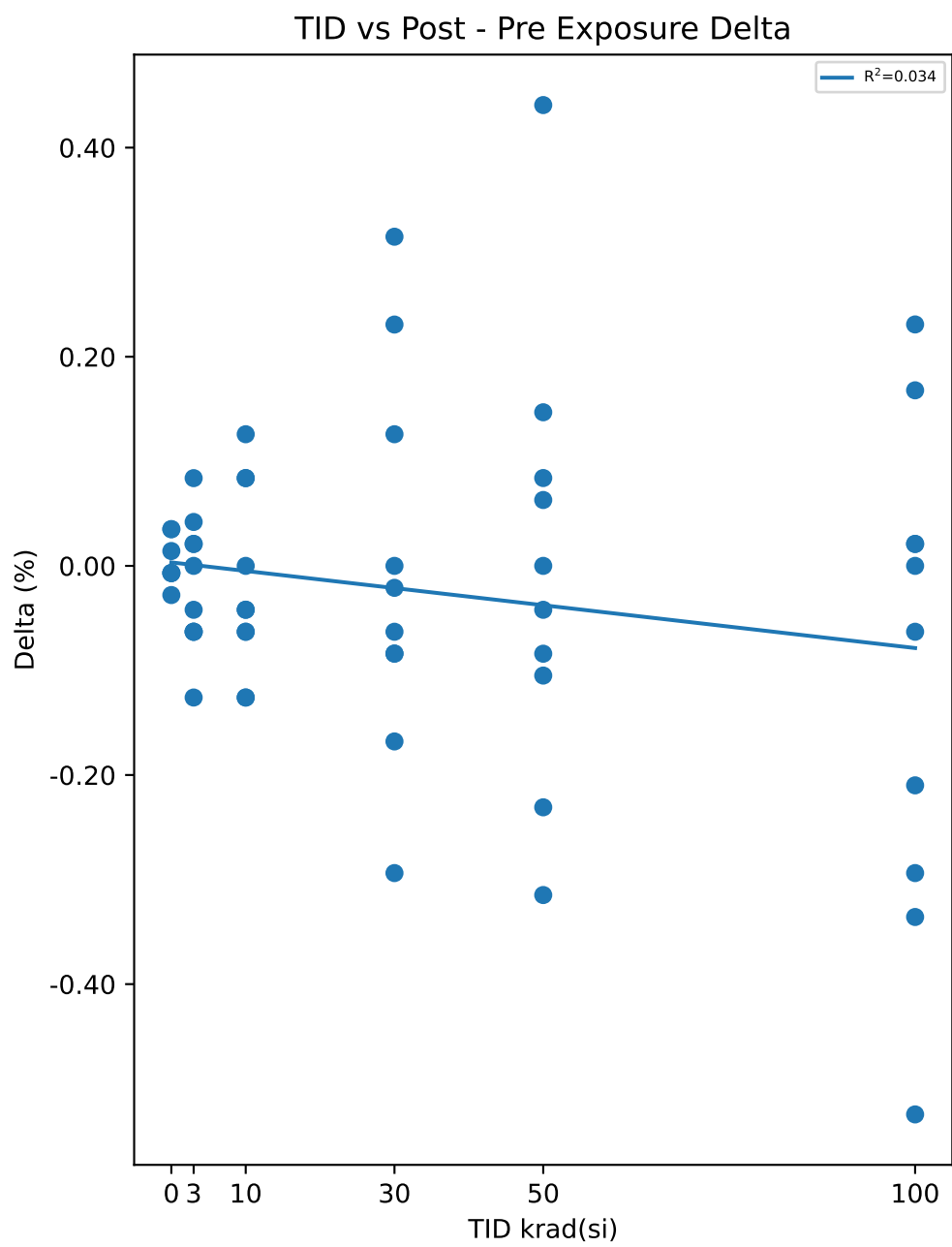
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	94.771	95.388	95.799	0.34586	94.764	95.366	95.792	0.34477	-0.0908	-0.021843	-0.0068	0.031393
3	94.554	94.87	95.568	0.32221	94.491	94.834	95.505	0.32926	-0.084	-0.03567	0.0629	0.049496
10	94.561	95.009	95.813	0.39741	94.456	94.964	95.855	0.44779	-0.1469	-0.04408	0.1259	0.085935
30	94.645	95.122	96.324	0.51851	94.603	95.124	96.198	0.51881	-0.3357	0.00211	0.2938	0.17791
50	94.848	95.143	95.61	0.24427	94.848	95.155	96.114	0.3482	-0.3148	0.0126	0.5037	0.22867
100	94.785	95.179	95.561	0.22385	94.47	95.086	95.484	0.28714	-0.5247	-0.09235	0.2519	0.25208

Device Test: 14.10 VPG_RISE(THRESHOLD|RISE/FB/7/0.6//10//@VPG_RISE)



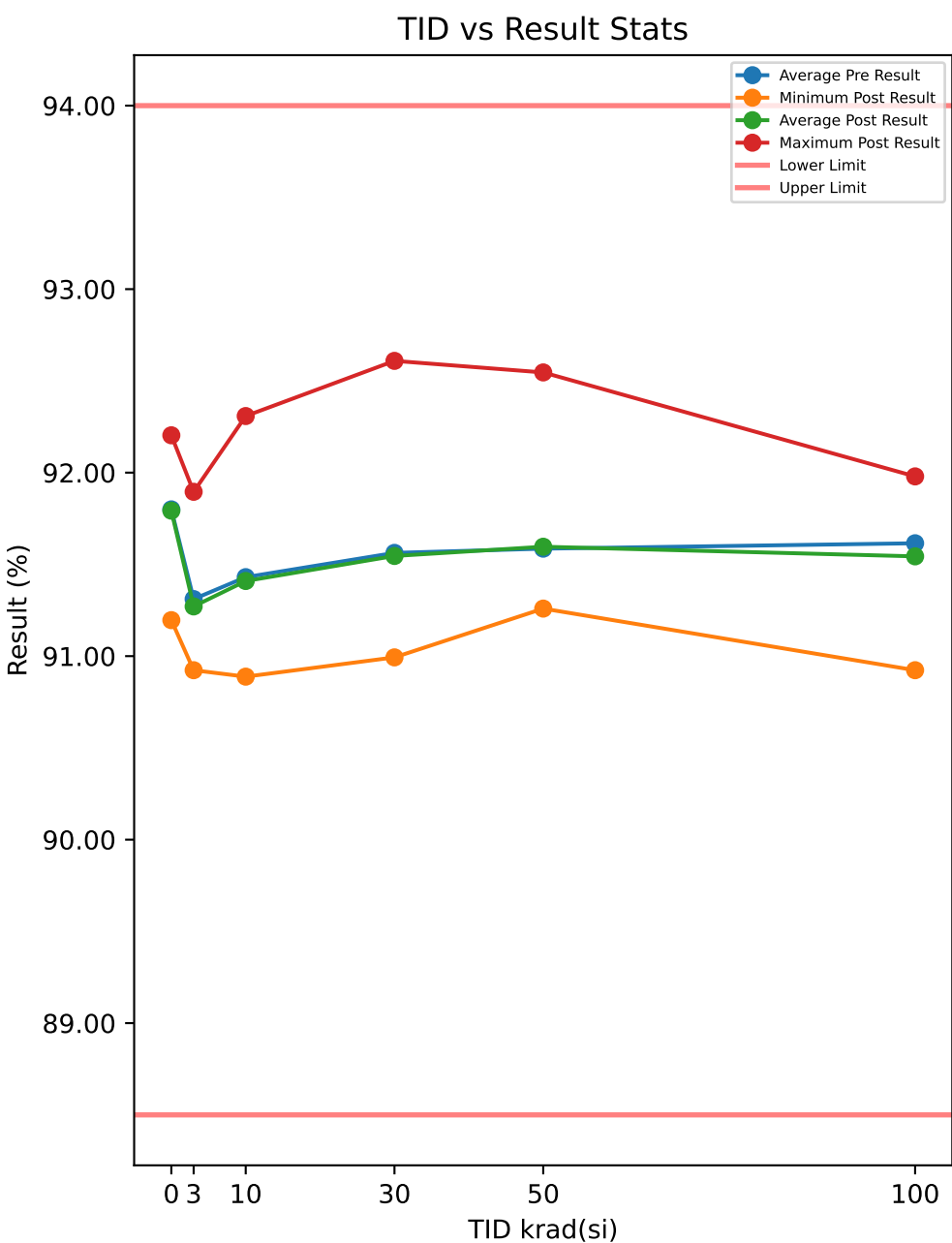
Test Results (Lower Limit = 93.0, Upper Limit = 97.0 (%))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	94.834	94.855	0.021
55	3	HDR unbiased	94.75	94.708	-0.042
57	3	HDR unbiased	95.169	95.253	0.0839
58	3	HDR unbiased	95.547	95.589	0.042
59	3	HDR unbiased	95.169	95.106	-0.063
82	10	HDR unbiased	95.043	95.043	0
83	10	HDR unbiased	95.232	95.19	-0.0419
84	10	HDR unbiased	95.043	95.127	0.0839
85	10	HDR unbiased	94.582	94.519	-0.063
87	10	HDR unbiased	94.792	94.666	-0.1259
94	30	HDR unbiased	96.387	96.219	-0.1679
95	30	HDR unbiased	94.981	95.295	0.3148
97	30	HDR unbiased	95.442	95.358	-0.0839
98	30	HDR unbiased	94.771	95.001	0.2308
99	30	HDR unbiased	94.729	94.666	-0.063
105	50	HDR unbiased	95.694	96.135	0.4407
107	50	HDR unbiased	95.19	95.106	-0.084
108	50	HDR unbiased	95.106	95.106	0
109	50	HDR unbiased	94.981	95.064	0.084
110	50	HDR unbiased	95.463	95.232	-0.2309
121	100	HDR biased	95.141	95.372	0.2309
123	100	HDR biased	95.351	95.372	0.021
124	100	HDR biased	95.624	95.1	-0.5246
125	100	HDR biased	94.869	94.533	-0.3358
126	100	HDR biased	95.204	94.995	-0.2099
127	50	HDR biased	94.911	94.869	-0.042
128	50	HDR biased	95.183	95.246	0.063
129	50	HDR biased	95.414	95.1	-0.3148
130	50	HDR biased	94.974	95.121	0.1469
132	50	HDR biased	95.162	95.058	-0.1049
149	100	HDR unbiased	94.981	94.981	0
150	100	HDR unbiased	95.316	95.253	-0.063
151	100	HDR unbiased	95.211	95.232	0.021
152	100	HDR unbiased	95.421	95.127	-0.2938
153	100	HDR unbiased	95.295	95.463	0.1679
164	30	HDR biased	95.624	95.75	0.1259
165	30	HDR biased	94.785	94.764	-0.021
166	30	HDR biased	95.037	94.743	-0.2938
168	30	HDR biased	94.848	94.764	-0.0839
169	30	HDR biased	95.225	95.225	0
170	10	HDR biased	94.722	94.68	-0.042
171	10	HDR biased	95.813	95.939	0.1259
172	10	HDR biased	94.785	94.659	-0.1259
173	10	HDR biased	95.477	95.561	0.084
174	10	HDR biased	95.058	94.995	-0.063
175	3	HDR biased	94.533	94.533	0
176	3	HDR biased	95.1	95.037	-0.063
178	3	HDR biased	94.722	94.743	0.021
179	3	HDR biased	94.701	94.575	-0.1259
180	3	HDR biased	94.764	94.701	-0.063
187	0	correlation	95.421	95.414	-0.0068
188	0	correlation	95.883	95.876	-0.0068
189	0	correlation	95.652	95.624	-0.0279
190	0	correlation	95.19	95.183	-0.0069
191	0	correlation	95.484	95.519	0.0351
192	0	correlation	94.834	94.869	0.0351
193	0	correlation	95.673	95.687	0.0142



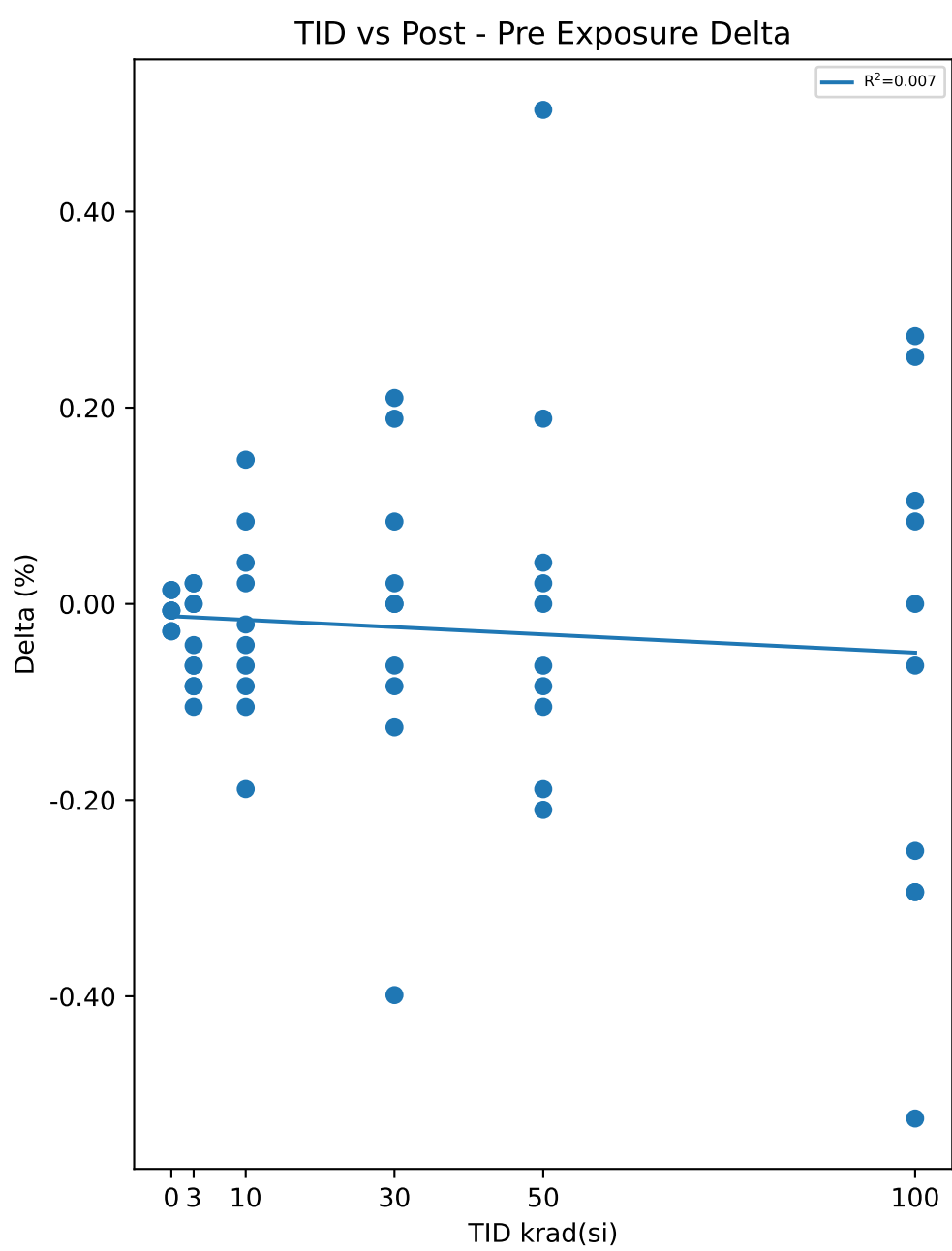
Test Statistics (%)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	94.834	95.448	95.883	0.34816	94.869	95.453	95.876	0.33742	-0.0279	0.0051429	0.0351	0.023801
3	94.533	94.929	95.547	0.30681	94.533	94.91	95.589	0.33397	-0.1259	-0.0189	0.0839	0.062924
10	94.582	95.055	95.813	0.37448	94.519	95.038	95.939	0.44709	-0.1259	-0.01679	0.1259	0.088372
30	94.729	95.183	96.387	0.51877	94.666	95.179	96.219	0.50387	-0.2938	-0.0042	0.3148	0.18289
50	94.911	95.208	95.694	0.24772	94.869	95.204	96.135	0.34303	-0.3148	-0.0042	0.4407	0.21052
100	94.869	95.241	95.624	0.21569	94.533	95.143	95.463	0.26889	-0.5246	-0.09863	0.2309	0.23744



Test Results (Lower Limit = 88.5, Upper Limit = 94.0 (%))

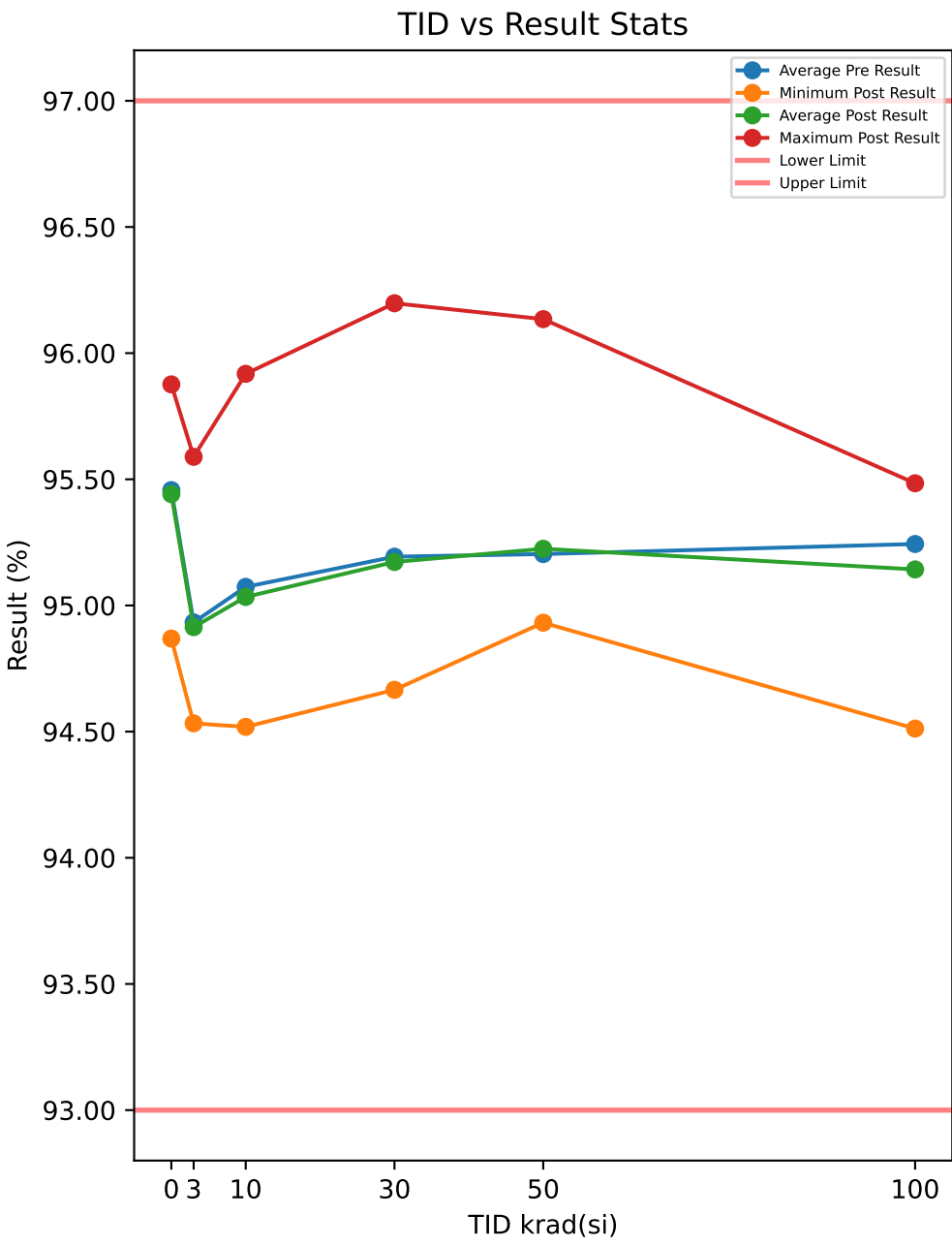
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	91.266	91.203	-0.063
55	3	HDR unbiased	91.077	91.098	0.021
57	3	HDR unbiased	91.581	91.602	0.021
58	3	HDR unbiased	91.98	91.896	-0.0839
59	3	HDR unbiased	91.518	91.518	0
82	10	HDR unbiased	91.434	91.455	0.021
83	10	HDR unbiased	91.581	91.518	-0.063
84	10	HDR unbiased	91.371	91.518	0.1469
85	10	HDR unbiased	90.993	90.888	-0.105
87	10	HDR unbiased	91.119	91.098	-0.021
94	30	HDR unbiased	92.735	92.609	-0.1259
95	30	HDR unbiased	91.413	91.623	0.2098
97	30	HDR unbiased	91.791	91.791	0
98	30	HDR unbiased	91.161	91.35	0.1888
99	30	HDR unbiased	91.077	90.993	-0.0839
105	50	HDR unbiased	92.043	92.546	0.5036
107	50	HDR unbiased	91.581	91.518	-0.063
108	50	HDR unbiased	91.518	91.518	0
109	50	HDR unbiased	91.392	91.434	0.042
110	50	HDR unbiased	91.854	91.644	-0.2099
121	100	HDR biased	91.49	91.763	0.2729
123	100	HDR biased	91.7	91.784	0.084
124	100	HDR biased	91.973	91.448	-0.5246
125	100	HDR biased	91.217	90.923	-0.2938
126	100	HDR biased	91.574	91.322	-0.2518
127	50	HDR biased	91.343	91.259	-0.0839
128	50	HDR biased	91.574	91.595	0.021
129	50	HDR biased	91.7	91.511	-0.1889
130	50	HDR biased	91.343	91.532	0.1889
132	50	HDR biased	91.511	91.406	-0.1049
149	100	HDR unbiased	91.371	91.308	-0.0629
150	100	HDR unbiased	91.644	91.644	0
151	100	HDR unbiased	91.644	91.749	0.105
152	100	HDR unbiased	91.812	91.518	-0.2938
153	100	HDR unbiased	91.728	91.98	0.2518
164	30	HDR biased	92.015	92.099	0.0839
165	30	HDR biased	91.133	91.154	0.021
166	30	HDR biased	91.448	91.049	-0.3988
168	30	HDR biased	91.196	91.133	-0.0629
169	30	HDR biased	91.658	91.658	0
170	10	HDR biased	91.091	91.049	-0.042
171	10	HDR biased	92.225	92.308	0.0839
172	10	HDR biased	91.196	91.007	-0.1888
173	10	HDR biased	91.91	91.952	0.0419
174	10	HDR biased	91.385	91.301	-0.0839
175	3	HDR biased	90.923	90.923	0
176	3	HDR biased	91.448	91.364	-0.084
178	3	HDR biased	91.091	91.028	-0.0629
179	3	HDR biased	91.091	90.986	-0.1049
180	3	HDR biased	91.133	91.091	-0.042
187	0	correlation	91.77	91.763	-0.0068
188	0	correlation	92.21	92.204	-0.0069
189	0	correlation	91.98	91.952	-0.0279
190	0	correlation	91.518	91.511	-0.0069
191	0	correlation	91.854	91.826	-0.0279
192	0	correlation	91.182	91.196	0.0141
193	0	correlation	92.084	92.099	0.0141



Test Statistics (%)

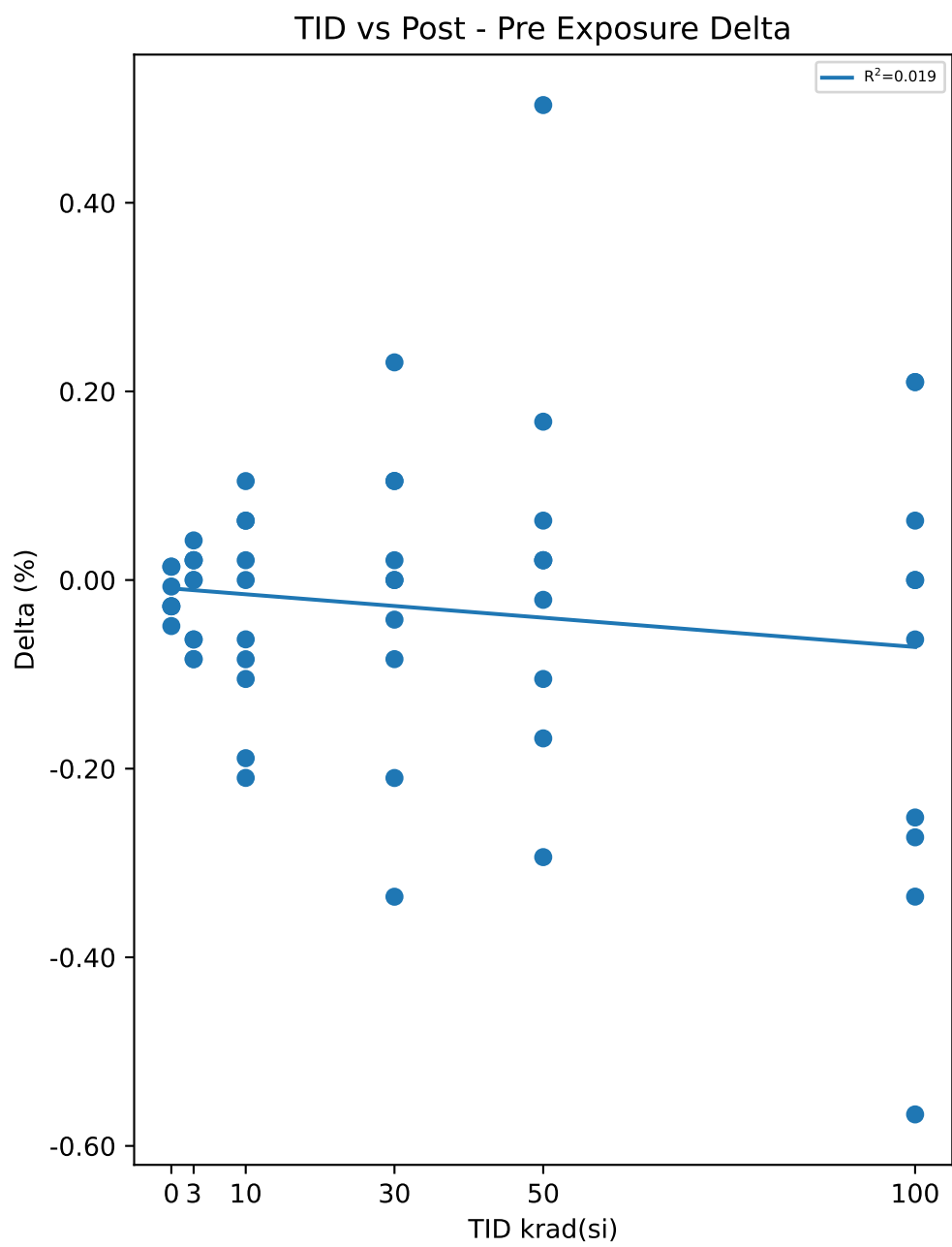
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	91.182	91.8	92.21	0.35282	91.196	91.793	92.204	0.34757	-0.0279	-0.0068857	0.0141	0.017146
3	90.923	91.311	91.98	0.31911	90.923	91.271	91.896	0.31567	-0.1049	-0.03987	0.021	0.046874
10	90.993	91.43	92.225	0.3868	90.888	91.409	92.308	0.44715	-0.1888	-0.021	0.1469	0.097917
30	91.077	91.563	92.735	0.51543	90.993	91.546	92.609	0.51945	-0.3988	-0.0168	0.2098	0.17327
50	91.343	91.586	92.043	0.22588	91.259	91.596	92.546	0.35031	-0.2099	0.01049	0.5036	0.20874
100	91.217	91.615	91.973	0.21688	90.923	91.544	91.98	0.30677	-0.5246	-0.07132	0.2729	0.26253

Device Test: 14.13 VPG_RISE(THRESHOLD|RISE/FB/12/0.6//10//@VPG_RISE)



Test Results (Lower Limit = 93.0, Upper Limit = 97.0 (%))

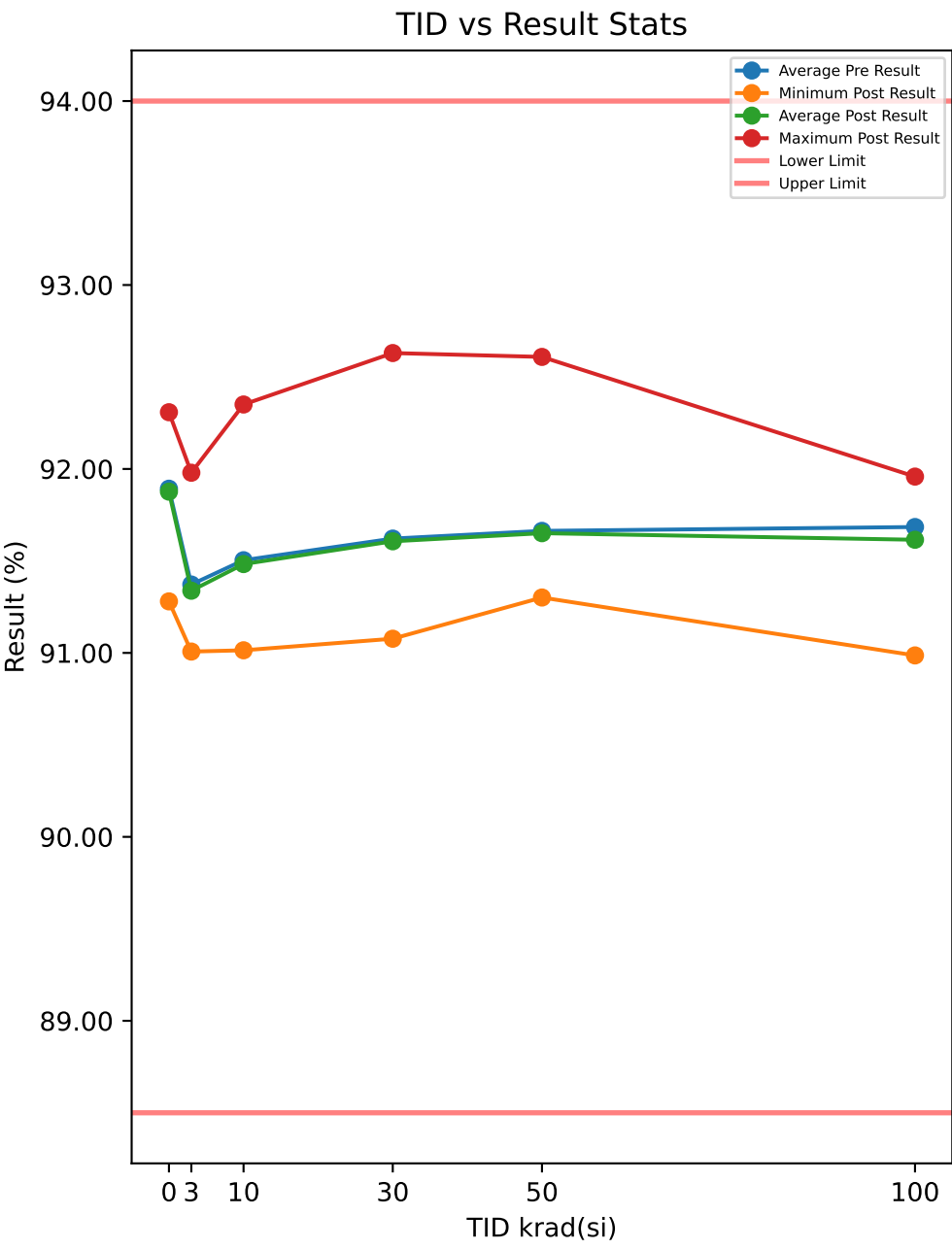
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	94.855	94.855	0
55	3	HDR unbiased	94.708	94.729	0.021
57	3	HDR unbiased	95.253	95.169	-0.0839
58	3	HDR unbiased	95.568	95.589	0.021
59	3	HDR unbiased	95.127	95.169	0.042
82	10	HDR unbiased	95.043	95.064	0.021
83	10	HDR unbiased	95.274	95.169	-0.1049
84	10	HDR unbiased	95.043	95.106	0.0629
85	10	HDR unbiased	94.603	94.519	-0.084
87	10	HDR unbiased	94.834	94.645	-0.1889
94	30	HDR unbiased	96.408	96.198	-0.2099
95	30	HDR unbiased	95.001	95.232	0.2308
97	30	HDR unbiased	95.421	95.442	0.021
98	30	HDR unbiased	94.813	94.918	0.105
99	30	HDR unbiased	94.708	94.666	-0.042
105	50	HDR unbiased	95.631	96.135	0.5036
107	50	HDR unbiased	95.19	95.169	-0.021
108	50	HDR unbiased	95.106	95.127	0.021
109	50	HDR unbiased	94.981	95.043	0.063
110	50	HDR unbiased	95.484	95.316	-0.1679
121	100	HDR biased	95.162	95.372	0.2099
123	100	HDR biased	95.351	95.351	0
124	100	HDR biased	95.624	95.058	-0.5666
125	100	HDR biased	94.848	94.512	-0.3357
126	100	HDR biased	95.225	94.953	-0.2728
127	50	HDR biased	94.911	94.932	0.021
128	50	HDR biased	95.162	95.183	0.021
129	50	HDR biased	95.414	95.121	-0.2938
130	50	HDR biased	94.995	95.162	0.1679
132	50	HDR biased	95.162	95.058	-0.1049
149	100	HDR unbiased	94.981	94.981	0
150	100	HDR unbiased	95.316	95.253	-0.063
151	100	HDR unbiased	95.232	95.295	0.063
152	100	HDR unbiased	95.421	95.169	-0.2518
153	100	HDR unbiased	95.274	95.484	0.2099
164	30	HDR biased	95.624	95.729	0.105
165	30	HDR biased	94.785	94.785	0
166	30	HDR biased	95.058	94.722	-0.3358
168	30	HDR biased	94.869	94.785	-0.0839
169	30	HDR biased	95.246	95.246	0
170	10	HDR biased	94.722	94.722	0
171	10	HDR biased	95.813	95.918	0.1049
172	10	HDR biased	94.869	94.659	-0.2098
173	10	HDR biased	95.498	95.561	0.063
174	10	HDR biased	95.037	94.974	-0.0629
175	3	HDR biased	94.533	94.533	0
176	3	HDR biased	95.1	95.037	-0.063
178	3	HDR biased	94.722	94.743	0.021
179	3	HDR biased	94.701	94.617	-0.0839
180	3	HDR biased	94.764	94.701	-0.063
187	0	correlation	95.442	95.414	-0.0278
188	0	correlation	95.862	95.876	0.0142
189	0	correlation	95.652	95.624	-0.0279
190	0	correlation	95.19	95.162	-0.0279
191	0	correlation	95.484	95.477	-0.0069
192	0	correlation	94.855	94.869	0.0141
193	0	correlation	95.715	95.666	-0.0488



Test Statistics (%)

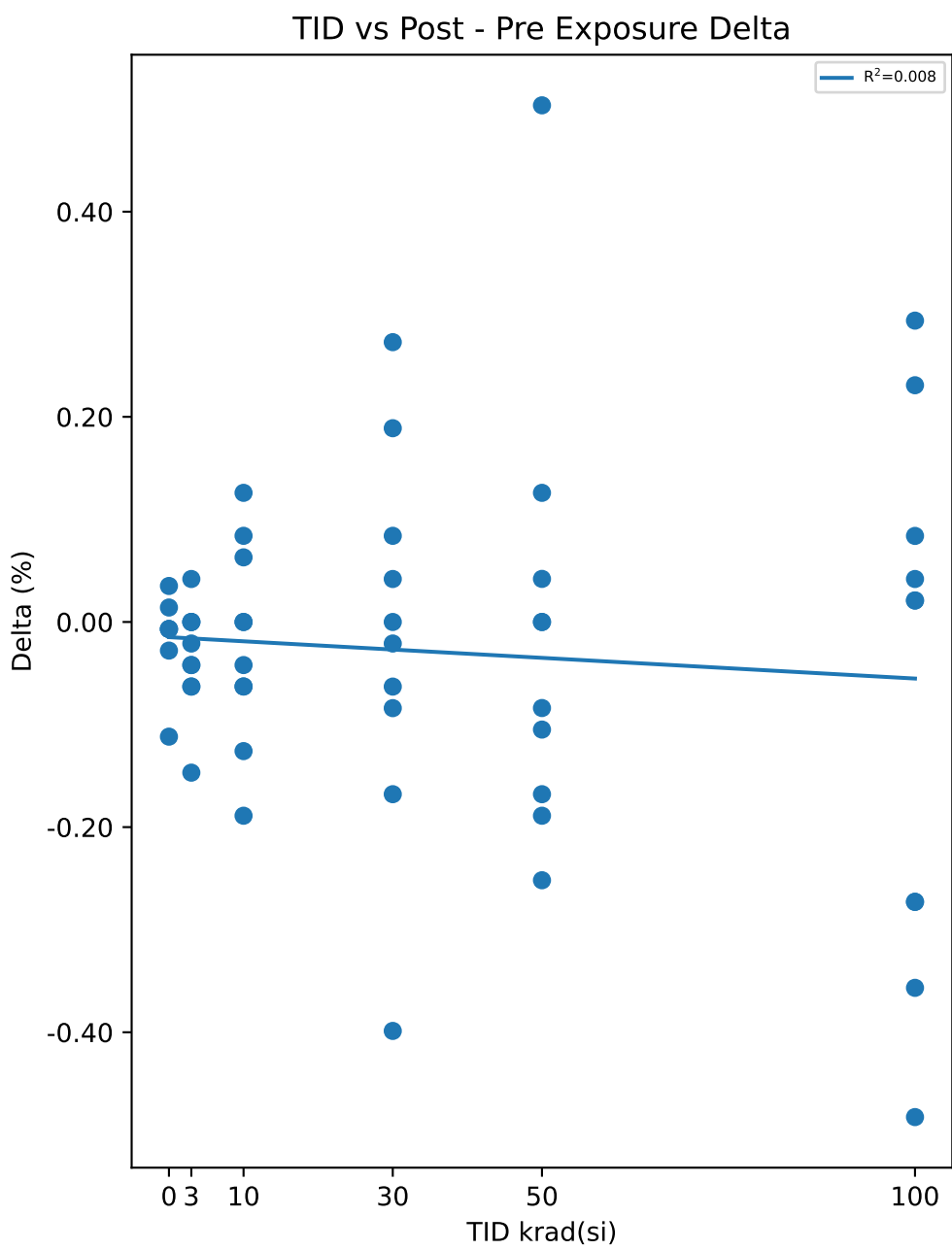
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	94.855	95.457	95.862	0.34242	94.869	95.441	95.876	0.33682	-0.0488	-0.015857	0.0142	0.023801
3	94.533	94.933	95.568	0.31896	94.533	94.914	95.589	0.32445	-0.0839	-0.01888	0.042	0.04892
10	94.603	95.074	95.813	0.36753	94.519	95.034	95.918	0.44005	-0.2098	-0.03987	0.1049	0.10811
30	94.708	95.193	96.408	0.51888	94.666	95.172	96.198	0.50203	-0.3358	-0.02098	0.2308	0.16227
50	94.911	95.204	95.631	0.23527	94.932	95.225	96.135	0.33533	-0.2938	0.02099	0.5036	0.21308
100	94.848	95.244	95.624	0.21788	94.512	95.143	95.484	0.28218	-0.5666	-0.10071	0.2099	0.25082

Device Test: 14.14 VPG_FALL(THRESHOLD|FALL/FB/12/0.6//10//@VPG_FALL)



Test Results (Lower Limit = 88.5, Upper Limit = 94.0 (%))

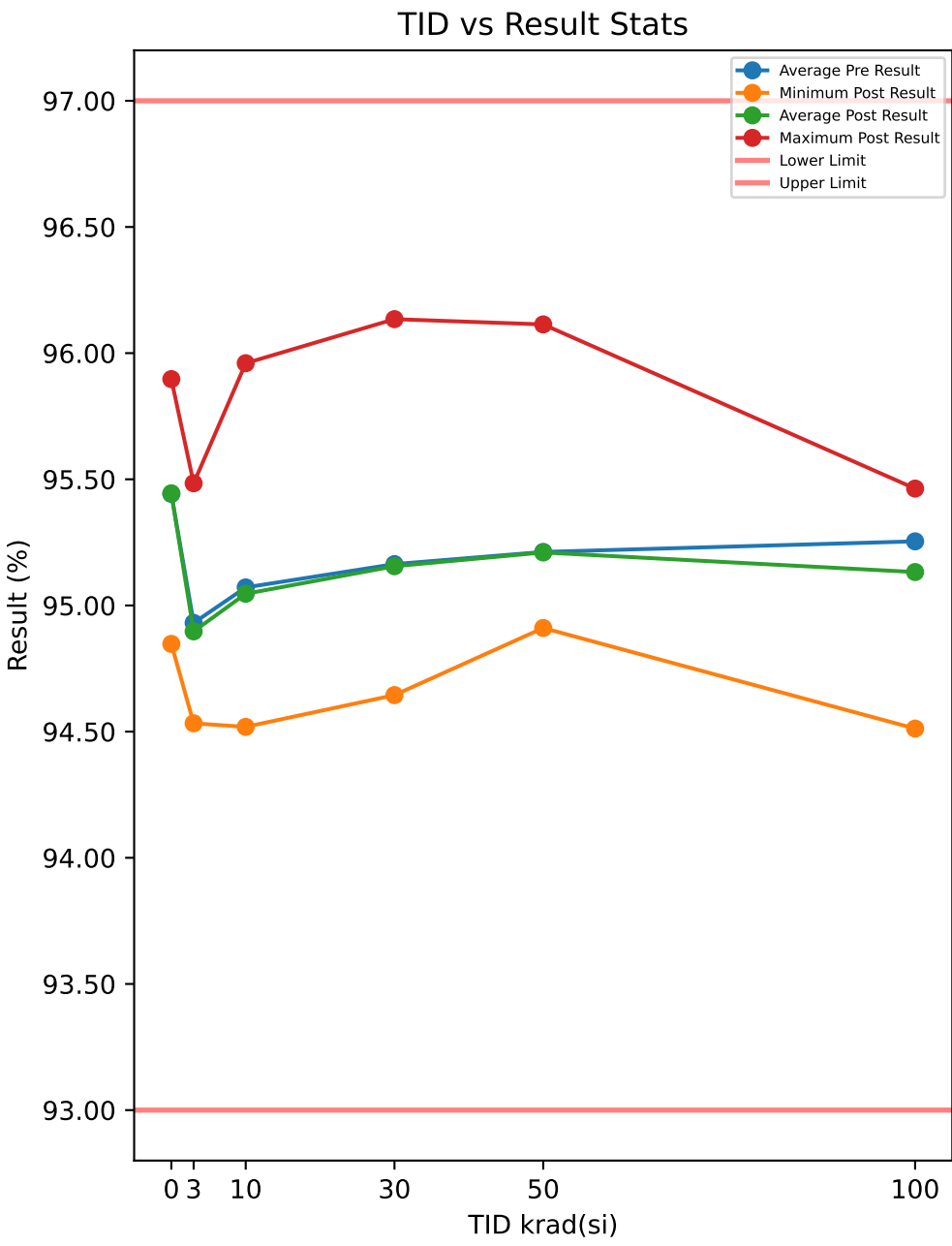
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	91.329	91.266	-0.0629
55	3	HDR unbiased	91.14	91.14	0
57	3	HDR unbiased	91.665	91.623	-0.042
58	3	HDR unbiased	92.022	91.98	-0.042
59	3	HDR unbiased	91.581	91.581	0
82	10	HDR unbiased	91.518	91.518	0
83	10	HDR unbiased	91.644	91.581	-0.0629
84	10	HDR unbiased	91.455	91.581	0.1259
85	10	HDR unbiased	91.077	91.014	-0.0629
87	10	HDR unbiased	91.266	91.14	-0.1259
94	30	HDR unbiased	92.798	92.63	-0.1679
95	30	HDR unbiased	91.455	91.728	0.2728
97	30	HDR unbiased	91.854	91.833	-0.021
98	30	HDR unbiased	91.203	91.392	0.1889
99	30	HDR unbiased	91.14	91.077	-0.063
105	50	HDR unbiased	92.105	92.609	0.5037
107	50	HDR unbiased	91.665	91.56	-0.1049
108	50	HDR unbiased	91.581	91.581	0
109	50	HDR unbiased	91.476	91.518	0.042
110	50	HDR unbiased	91.917	91.728	-0.1889
121	100	HDR biased	91.574	91.868	0.2938
123	100	HDR biased	91.784	91.826	0.0419
124	100	HDR biased	92.036	91.553	-0.4827
125	100	HDR biased	91.343	90.986	-0.3567
126	100	HDR biased	91.658	91.385	-0.2729
127	50	HDR biased	91.385	91.301	-0.0839
128	50	HDR biased	91.637	91.637	0
129	50	HDR biased	91.826	91.574	-0.2518
130	50	HDR biased	91.448	91.574	0.1259
132	50	HDR biased	91.595	91.427	-0.1679
149	100	HDR unbiased	91.455	91.476	0.0209
150	100	HDR unbiased	91.707	91.728	0.021
151	100	HDR unbiased	91.707	91.791	0.0839
152	100	HDR unbiased	91.854	91.581	-0.2728
153	100	HDR unbiased	91.728	91.959	0.2308
164	30	HDR biased	92.099	92.183	0.084
165	30	HDR biased	91.196	91.196	0
166	30	HDR biased	91.532	91.133	-0.3987
168	30	HDR biased	91.28	91.196	-0.084
169	30	HDR biased	91.658	91.7	0.0419
170	10	HDR biased	91.133	91.133	0
171	10	HDR biased	92.287	92.35	0.063
172	10	HDR biased	91.259	91.07	-0.1889
173	10	HDR biased	91.952	92.036	0.084
174	10	HDR biased	91.448	91.406	-0.042
175	3	HDR biased	91.007	91.007	0
176	3	HDR biased	91.511	91.49	-0.021
178	3	HDR biased	91.133	91.07	-0.063
179	3	HDR biased	91.154	91.007	-0.1469
180	3	HDR biased	91.175	91.217	0.0419
187	0	correlation	91.917	91.889	-0.0279
188	0	correlation	92.273	92.308	0.0351
189	0	correlation	92.022	92.036	0.0141
190	0	correlation	91.665	91.553	-0.1118
191	0	correlation	91.917	91.91	-0.0069
192	0	correlation	91.287	91.28	-0.0069
193	0	correlation	92.168	92.162	-0.0069



Test Statistics (%)

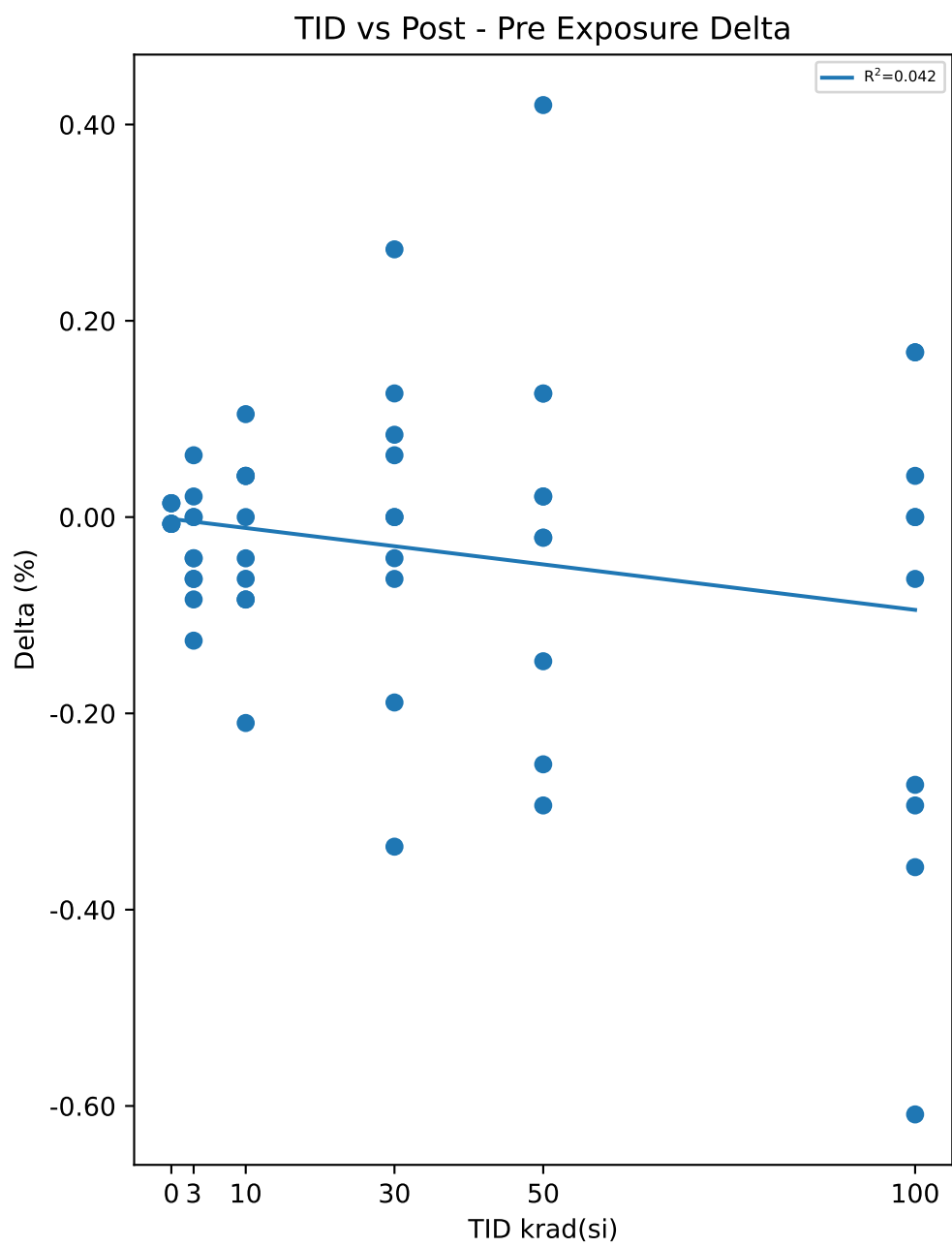
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	91.287	91.893	92.273	0.33102	91.28	91.877	92.308	0.35467	-0.1118	-0.015886	0.0351	0.046699
3	91.007	91.372	92.022	0.31662	91.007	91.338	91.98	0.32042	-0.1469	-0.03359	0.0419	0.051582
10	91.077	91.504	92.287	0.37649	91.014	91.483	92.35	0.43642	-0.1889	-0.02097	0.1259	0.09643
30	91.14	91.621	92.798	0.51716	91.077	91.607	92.63	0.51004	-0.3987	-0.0147	0.2728	0.18719
50	91.385	91.663	92.105	0.22537	91.301	91.651	92.609	0.35583	-0.2518	-0.01258	0.5037	0.21475
100	91.343	91.684	92.036	0.19632	90.986	91.615	91.959	0.2872	-0.4827	-0.06928	0.2938	0.26043

Device Test: 14.16 VPG_RISE(THRESHOLD|RISE/FB/14/0.6//10//@VPG_RISE)



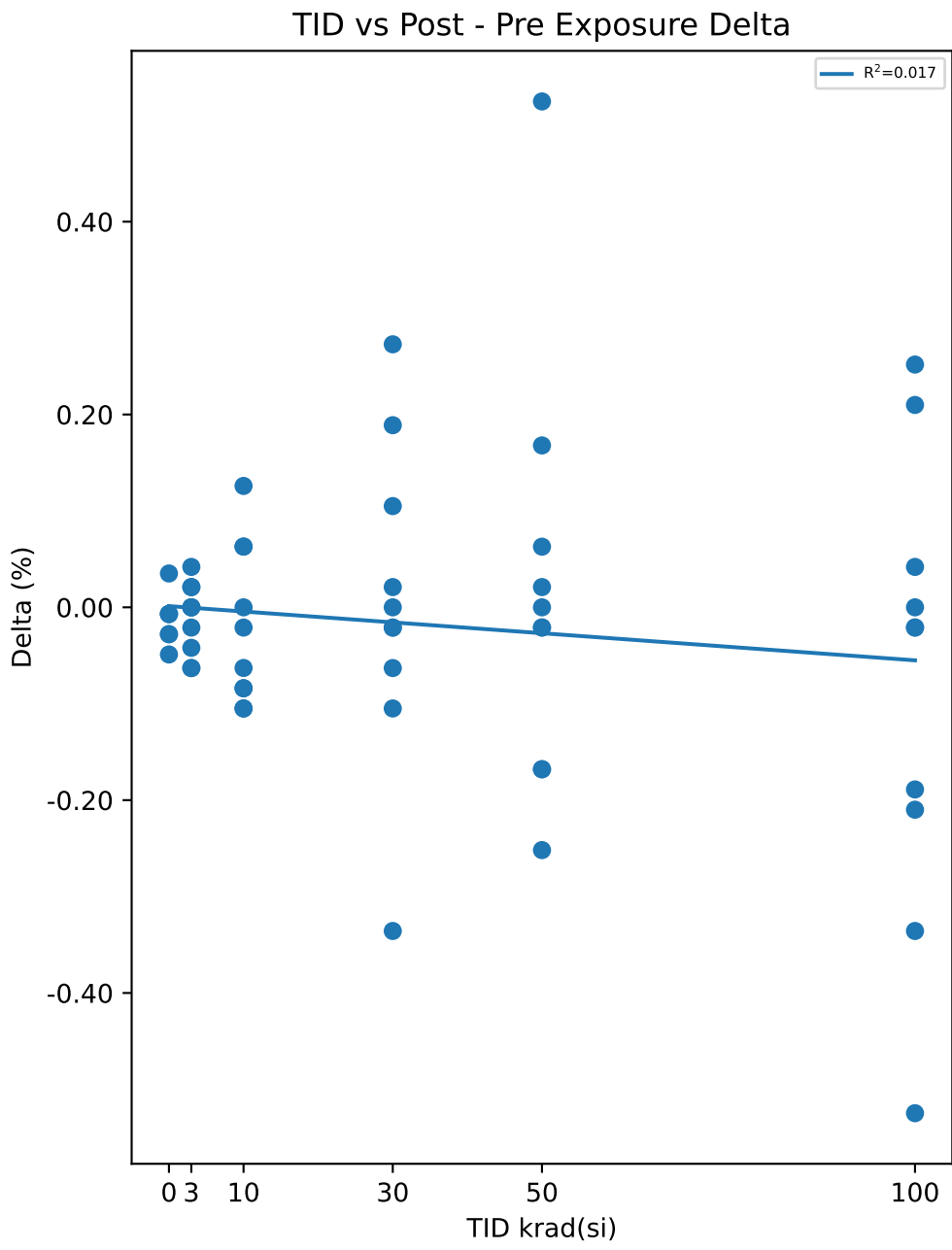
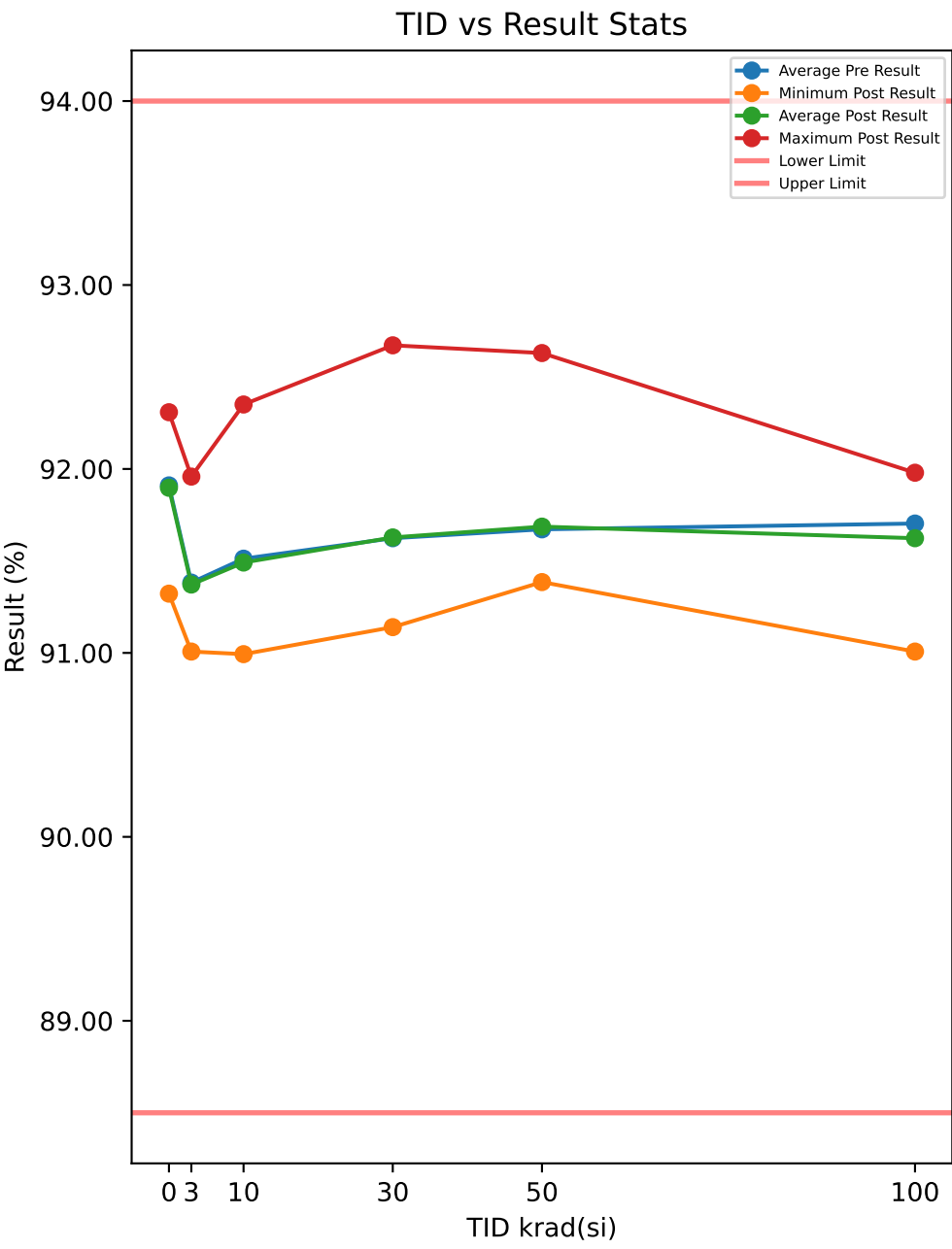
Test Results (Lower Limit = 93.0, Upper Limit = 97.0 (%))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	94.897	94.834	-0.063
55	3	HDR unbiased	94.708	94.708	0
57	3	HDR unbiased	95.232	95.19	-0.0419
58	3	HDR unbiased	95.568	95.484	-0.0839
59	3	HDR unbiased	95.085	95.148	0.063
82	10	HDR unbiased	95.043	95.043	0
83	10	HDR unbiased	95.253	95.169	-0.0839
84	10	HDR unbiased	95.064	95.106	0.0419
85	10	HDR unbiased	94.603	94.519	-0.084
87	10	HDR unbiased	94.792	94.729	-0.0629
94	30	HDR unbiased	96.324	96.135	-0.1889
95	30	HDR unbiased	94.981	95.253	0.2728
97	30	HDR unbiased	95.421	95.379	-0.0419
98	30	HDR unbiased	94.792	94.918	0.126
99	30	HDR unbiased	94.708	94.645	-0.063
105	50	HDR unbiased	95.694	96.114	0.4198
107	50	HDR unbiased	95.169	95.19	0.021
108	50	HDR unbiased	95.106	95.127	0.021
109	50	HDR unbiased	94.981	95.106	0.1259
110	50	HDR unbiased	95.505	95.253	-0.2519
121	100	HDR biased	95.183	95.351	0.1679
123	100	HDR biased	95.351	95.351	0
124	100	HDR biased	95.645	95.037	-0.6086
125	100	HDR biased	94.869	94.512	-0.3567
126	100	HDR biased	95.225	94.953	-0.2728
127	50	HDR biased	94.932	94.911	-0.021
128	50	HDR biased	95.162	95.141	-0.021
129	50	HDR biased	95.435	95.141	-0.2938
130	50	HDR biased	94.974	95.1	0.1259
132	50	HDR biased	95.162	95.016	-0.1469
149	100	HDR unbiased	95.001	95.001	0
150	100	HDR unbiased	95.295	95.232	-0.063
151	100	HDR unbiased	95.253	95.295	0.042
152	100	HDR unbiased	95.421	95.127	-0.2938
153	100	HDR unbiased	95.295	95.463	0.1679
164	30	HDR biased	95.624	95.687	0.063
165	30	HDR biased	94.764	94.764	0
166	30	HDR biased	95.037	94.701	-0.3358
168	30	HDR biased	94.785	94.785	0
169	30	HDR biased	95.204	95.288	0.0839
170	10	HDR biased	94.701	94.743	0.042
171	10	HDR biased	95.855	95.96	0.1049
172	10	HDR biased	94.869	94.659	-0.2098
173	10	HDR biased	95.498	95.54	0.042
174	10	HDR biased	95.037	94.995	-0.042
175	3	HDR biased	94.533	94.533	0
176	3	HDR biased	95.1	95.037	-0.063
178	3	HDR biased	94.722	94.743	0.021
179	3	HDR biased	94.701	94.575	-0.1259
180	3	HDR biased	94.764	94.722	-0.042
187	0	correlation	95.4	95.414	0.0142
188	0	correlation	95.883	95.897	0.0141
189	0	correlation	95.61	95.603	-0.0069
190	0	correlation	95.169	95.183	0.0141
191	0	correlation	95.505	95.498	-0.0069
192	0	correlation	94.855	94.848	-0.0069
193	0	correlation	95.673	95.666	-0.0068



Test Statistics (%)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	94.855	95.442	95.883	0.34183	94.848	95.444	95.897	0.34331	-0.0069	0.0021286	0.0142	0.01123
3	94.533	94.931	95.568	0.31326	94.533	94.897	95.484	0.30627	-0.1259	-0.03357	0.063	0.055265
10	94.603	95.072	95.855	0.38121	94.519	95.046	95.96	0.43737	-0.2098	-0.02518	0.1049	0.090541
30	94.708	95.164	96.324	0.50826	94.645	95.155	96.135	0.48694	-0.3358	-0.00839	0.2728	0.16825
50	94.932	95.212	95.694	0.25276	94.911	95.21	96.114	0.33093	-0.2938	-0.0021	0.4198	0.20575
100	94.869	95.254	95.645	0.21393	94.512	95.132	95.463	0.27596	-0.6086	-0.12171	0.1679	0.25218



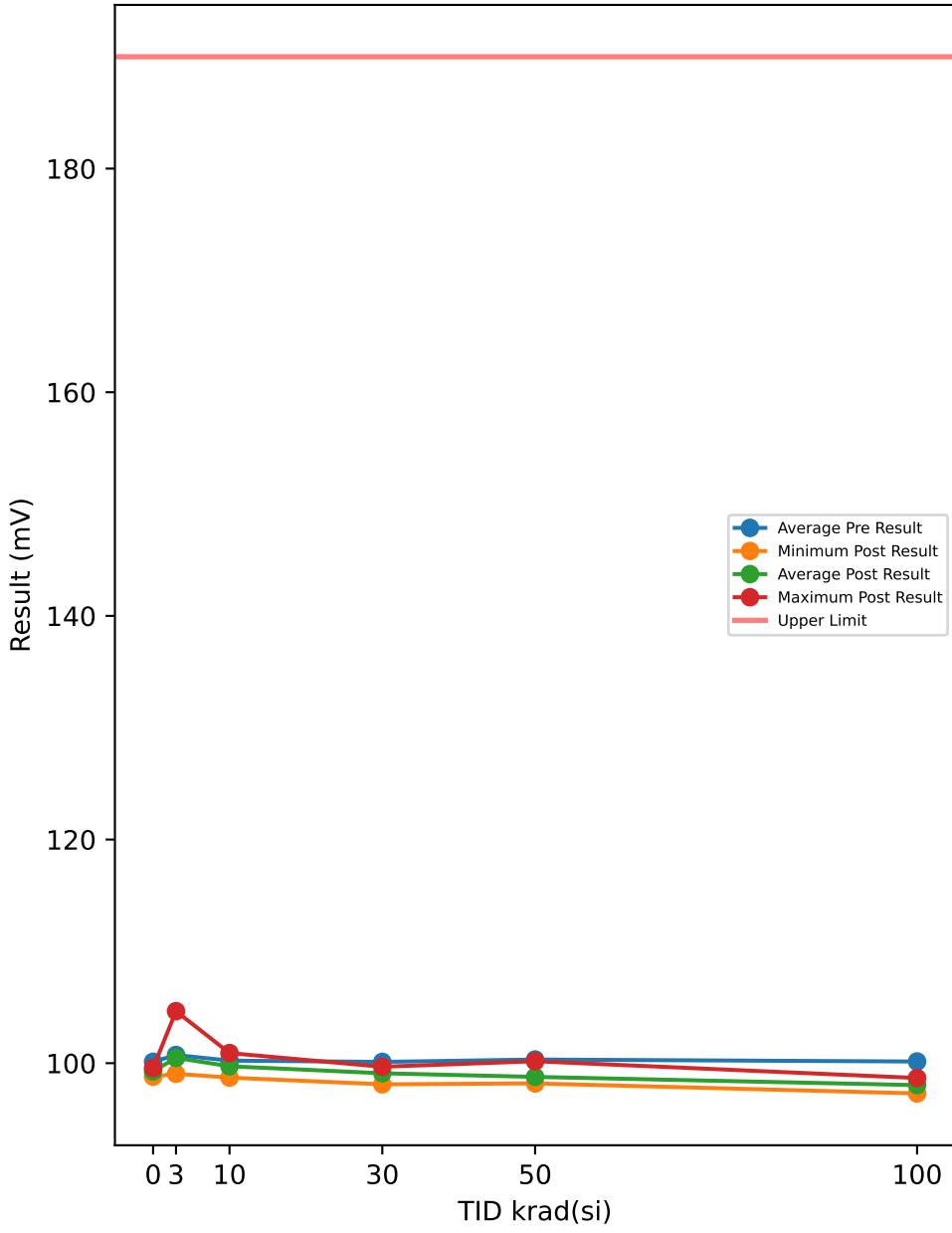
Test Results (Lower Limit = 88.5, Upper Limit = 94.0 (%))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	91.329	91.35	0.021
55	3	HDR unbiased	91.161	91.203	0.0419
57	3	HDR unbiased	91.644	91.644	0
58	3	HDR unbiased	92.022	91.959	-0.063
59	3	HDR unbiased	91.581	91.602	0.021
82	10	HDR unbiased	91.518	91.497	-0.021
83	10	HDR unbiased	91.623	91.623	0
84	10	HDR unbiased	91.455	91.581	0.1259
85	10	HDR unbiased	91.077	90.993	-0.0839
87	10	HDR unbiased	91.245	91.14	-0.1049
94	30	HDR unbiased	92.777	92.672	-0.1049
95	30	HDR unbiased	91.455	91.728	0.2728
97	30	HDR unbiased	91.833	91.833	0
98	30	HDR unbiased	91.203	91.392	0.1889
99	30	HDR unbiased	91.119	91.14	0.021
105	50	HDR unbiased	92.105	92.63	0.5247
107	50	HDR unbiased	91.623	91.644	0.021
108	50	HDR unbiased	91.581	91.581	0
109	50	HDR unbiased	91.455	91.518	0.0629
110	50	HDR unbiased	91.896	91.728	-0.1679
121	100	HDR biased	91.574	91.826	0.2518
123	100	HDR biased	91.847	91.826	-0.021
124	100	HDR biased	92.078	91.553	-0.5247
125	100	HDR biased	91.343	91.007	-0.3357
126	100	HDR biased	91.637	91.448	-0.1889
127	50	HDR biased	91.406	91.385	-0.021
128	50	HDR biased	91.679	91.658	-0.0209
129	50	HDR biased	91.847	91.595	-0.2518
130	50	HDR biased	91.469	91.637	0.1679
132	50	HDR biased	91.658	91.49	-0.168
149	100	HDR unbiased	91.476	91.455	-0.0209
150	100	HDR unbiased	91.728	91.728	0
151	100	HDR unbiased	91.728	91.77	0.0419
152	100	HDR unbiased	91.854	91.644	-0.2099
153	100	HDR unbiased	91.77	91.98	0.2099
164	30	HDR biased	92.099	92.204	0.105
165	30	HDR biased	91.28	91.259	-0.021
166	30	HDR biased	91.49	91.154	-0.3357
168	30	HDR biased	91.259	91.196	-0.063
169	30	HDR biased	91.721	91.7	-0.021
170	10	HDR biased	91.217	91.154	-0.0629
171	10	HDR biased	92.287	92.35	0.063
172	10	HDR biased	91.259	91.154	-0.1049
173	10	HDR biased	91.973	92.036	0.063
174	10	HDR biased	91.469	91.385	-0.084
175	3	HDR biased	91.028	91.007	-0.021
176	3	HDR biased	91.574	91.532	-0.042
178	3	HDR biased	91.133	91.133	0
179	3	HDR biased	91.133	91.07	-0.063
180	3	HDR biased	91.217	91.217	0
187	0	correlation	91.917	91.889	-0.0279
188	0	correlation	92.357	92.308	-0.0489
189	0	correlation	92.022	92.015	-0.0069
190	0	correlation	91.644	91.679	0.0351
191	0	correlation	91.917	91.91	-0.0069
192	0	correlation	91.35	91.322	-0.0278
193	0	correlation	92.168	92.162	-0.0069

Test Statistics (%)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	91.35	91.911	92.357	0.33266	91.322	91.898	92.308	0.32439	-0.0489	-0.012886	0.0351	0.026315
3	91.028	91.382	92.022	0.31296	91.007	91.372	91.959	0.30374	-0.063	-0.01051	0.0419	0.036019
10	91.077	91.512	92.287	0.37151	90.993	91.491	92.35	0.43072	-0.1049	-0.02097	0.1259	0.081576
30	91.119	91.624	92.777	0.50964	91.14	91.628	92.672	0.50763	-0.3357	0.00421	0.2728	0.16665
50	91.406	91.672	92.105	0.22072	91.385	91.686	92.63	0.34557	-0.2518	0.01469	0.5247	0.21767
100	91.343	91.703	92.078	0.20858	91.007	91.624	91.98	0.27589	-0.5247	-0.07975	0.2518	0.23904

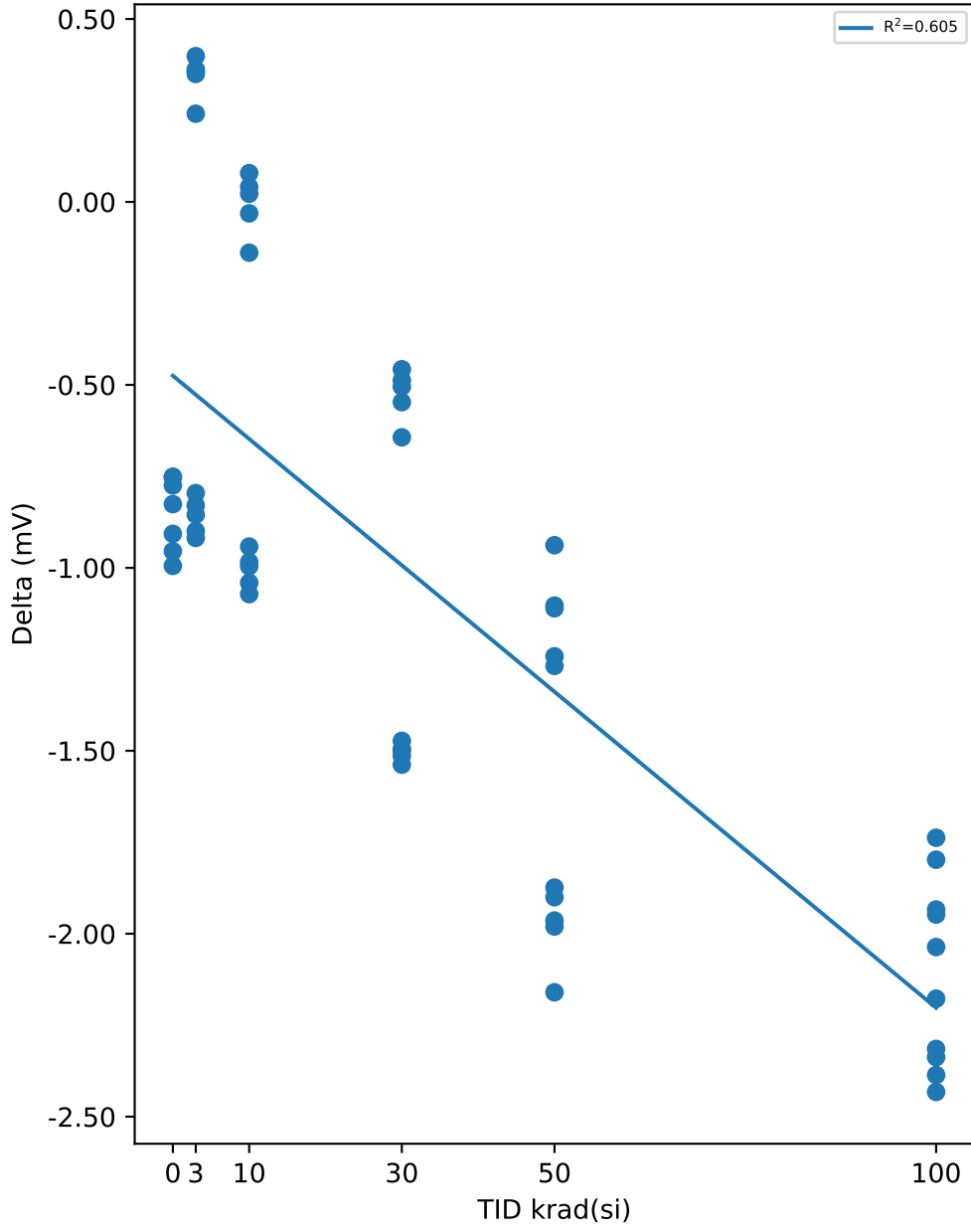
TID vs Result Stats



Test Results (Upper Limit = 190.0 (mV))

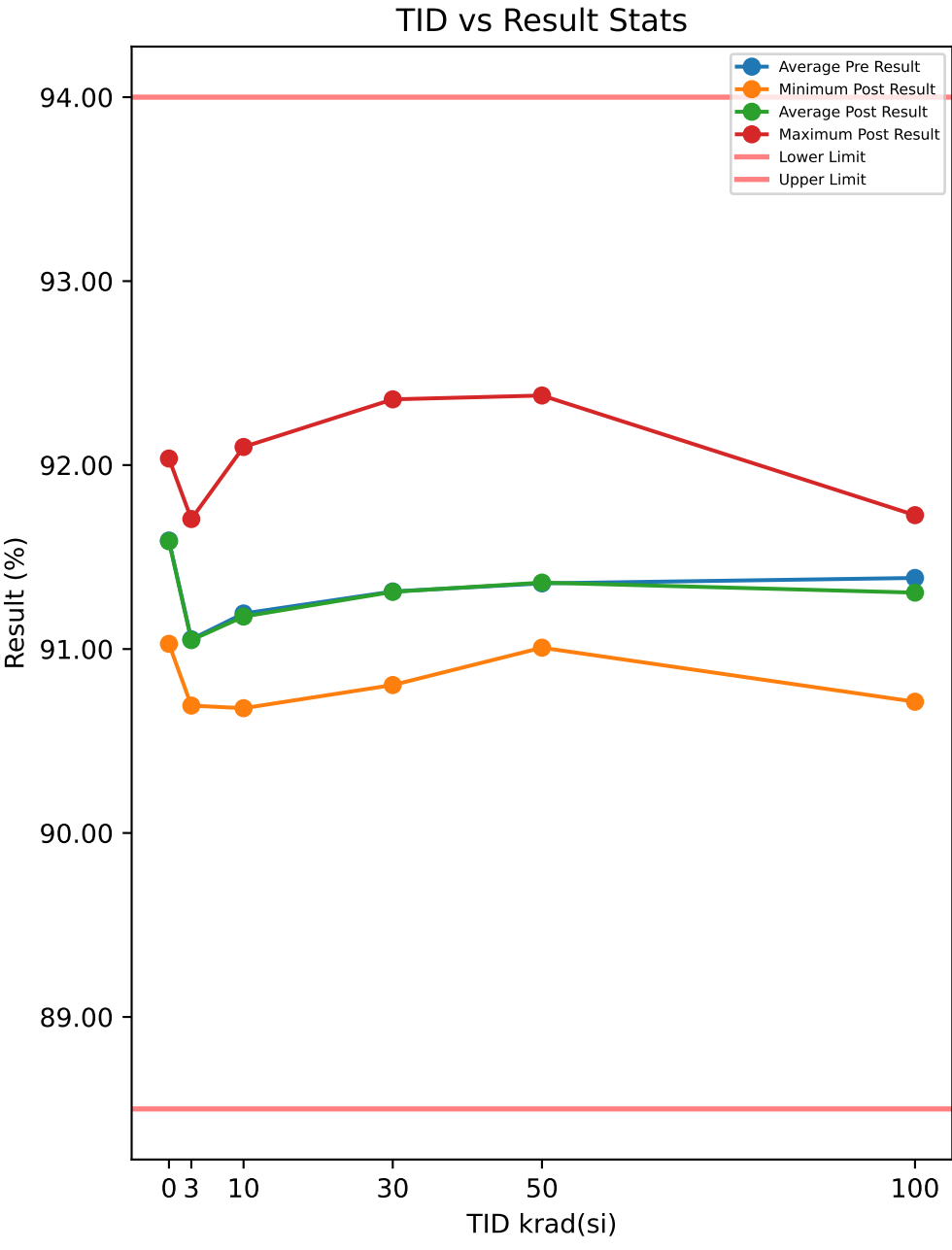
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	99.117	99.467	0.3498
55	3	HDR unbiased	99.507	99.905	0.3985
57	3	HDR unbiased	99.151	99.513	0.3623
58	3	HDR unbiased	99.625	99.983	0.3573
59	3	HDR unbiased	99.044	99.285	0.2411
82	10	HDR unbiased	99.656	99.679	0.0225
83	10	HDR unbiased	99.988	100.07	0.0787
84	10	HDR unbiased	99.542	99.583	0.0412
85	10	HDR unbiased	99.99	99.959	-0.0312
87	10	HDR unbiased	100.17	100.03	-0.1387
94	30	HDR unbiased	100.09	99.547	-0.5472
95	30	HDR unbiased	99.92	99.415	-0.5047
97	30	HDR unbiased	100.17	99.523	-0.6433
98	30	HDR unbiased	99.86	99.403	-0.4573
99	30	HDR unbiased	100.17	99.68	-0.4872
105	50	HDR unbiased	100.2	98.961	-1.2418
107	50	HDR unbiased	101.28	100.17	-1.1106
108	50	HDR unbiased	100.18	99.076	-1.1031
109	50	HDR unbiased	99.879	98.611	-1.268
110	50	HDR unbiased	99.915	98.977	-0.9382
121	100	HDR biased	100.1	97.668	-2.4324
123	100	HDR biased	100.54	98.206	-2.3373
124	100	HDR biased	100.61	98.296	-2.3149
125	100	HDR biased	101.01	98.628	-2.3861
126	100	HDR biased	99.473	97.295	-2.1775
127	50	HDR biased	100.46	98.301	-2.16
128	50	HDR biased	100.54	98.642	-1.9001
129	50	HDR biased	100.41	98.532	-1.8739
130	50	HDR biased	100.17	98.192	-1.9801
132	50	HDR biased	100.23	98.266	-1.9639
149	100	HDR unbiased	99.273	97.325	-1.9476
150	100	HDR unbiased	100.71	98.676	-2.0363
151	100	HDR unbiased	100.15	98.215	-1.9338
152	100	HDR unbiased	100.02	98.286	-1.7377
153	100	HDR unbiased	99.593	97.795	-1.7977
164	30	HDR biased	100.81	99.299	-1.5141
165	30	HDR biased	99.605	98.11	-1.4953
166	30	HDR biased	100.49	99.019	-1.4729
168	30	HDR biased	99.87	98.332	-1.5379
169	30	HDR biased	100.15	98.648	-1.4991
170	10	HDR biased	101.97	100.9	-1.0719
171	10	HDR biased	99.695	98.711	-0.9844
172	10	HDR biased	101.1	100.1	-0.9956
173	10	HDR biased	100.39	99.449	-0.9419
174	10	HDR biased	99.796	98.756	-1.0407
175	3	HDR biased	105.55	104.65	-0.8995
176	3	HDR biased	99.971	99.053	-0.9182
178	3	HDR biased	100.29	99.434	-0.8545
179	3	HDR biased	103.48	102.65	-0.8295
180	3	HDR biased	101.57	100.78	-0.7957
187	0	correlation	99.748	98.793	-0.9546
188	0	correlation	100.38	99.384	-0.9946
189	0	correlation	99.983	99.075	-0.9071
190	0	correlation	100.23	99.401	-0.8259
191	0	correlation	100.28	99.508	-0.7747
192	0	correlation	100.33	99.578	-0.7534
193	0	correlation	99.91	99.159	-0.7509

TID vs Post - Pre Exposure Delta



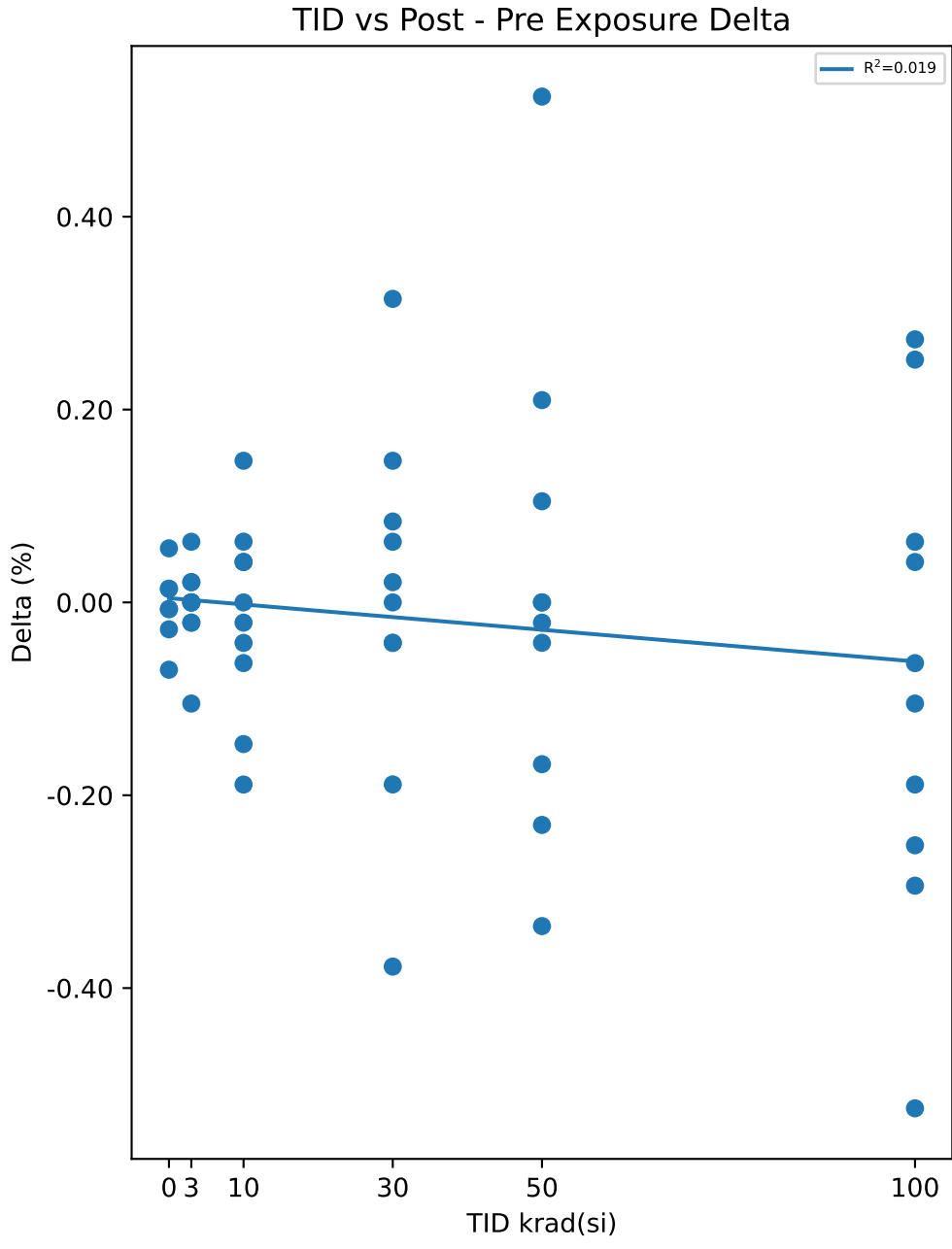
Test Statistics (mV)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	99.748	100.12	100.38	0.24181	98.793	99.271	99.578	0.27659	-0.9946	-0.8516	-0.7509	0.10041
3	99.044	100.73	105.55	2.1847	99.053	100.47	104.65	1.8046	-0.9182	-0.25884	0.3985	0.63524
10	99.542	100.23	101.97	0.76138	98.711	99.723	100.9	0.65481	-1.0719	-0.5062	0.0787	0.53184
30	99.605	100.11	100.81	0.3431	98.11	99.098	99.68	0.55042	-1.5379	-1.0159	-0.4573	0.51685
50	99.879	100.33	101.28	0.39835	98.192	98.773	100.17	0.58207	-2.16	-1.554	-0.9382	0.45914
100	99.273	100.15	101.01	0.57609	97.295	98.039	98.676	0.49426	-2.4324	-2.1101	-1.7377	0.25328



Test Results (Lower Limit = 88.5, Upper Limit = 94.0 (%))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	91.014	90.993	-0.021
55	3	HDR unbiased	90.825	90.888	0.0629
57	3	HDR unbiased	91.329	91.329	0
58	3	HDR unbiased	91.707	91.707	0
59	3	HDR unbiased	91.266	91.266	0
82	10	HDR unbiased	91.161	91.203	0.0419
83	10	HDR unbiased	91.329	91.329	0
84	10	HDR unbiased	91.203	91.266	0.063
85	10	HDR unbiased	90.741	90.678	-0.0629
87	10	HDR unbiased	90.951	90.804	-0.1469
94	30	HDR unbiased	92.546	92.357	-0.1888
95	30	HDR unbiased	91.14	91.455	0.3148
97	30	HDR unbiased	91.56	91.518	-0.042
98	30	HDR unbiased	90.93	91.077	0.1469
99	30	HDR unbiased	90.804	90.804	0
105	50	HDR unbiased	91.854	92.378	0.5246
107	50	HDR unbiased	91.329	91.329	0
108	50	HDR unbiased	91.287	91.266	-0.021
109	50	HDR unbiased	91.119	91.224	0.1049
110	50	HDR unbiased	91.623	91.392	-0.2308
121	100	HDR biased	91.259	91.511	0.2518
123	100	HDR biased	91.469	91.511	0.0419
124	100	HDR biased	91.784	91.259	-0.5247
125	100	HDR biased	91.007	90.713	-0.2938
126	100	HDR biased	91.322	91.07	-0.2519
127	50	HDR biased	91.049	91.007	-0.0419
128	50	HDR biased	91.322	91.322	0
129	50	HDR biased	91.511	91.175	-0.3357
130	50	HDR biased	91.133	91.343	0.2098
132	50	HDR biased	91.343	91.175	-0.1678
149	100	HDR unbiased	91.161	91.098	-0.063
150	100	HDR unbiased	91.476	91.371	-0.1049
151	100	HDR unbiased	91.413	91.476	0.0629
152	100	HDR unbiased	91.518	91.329	-0.1889
153	100	HDR unbiased	91.455	91.728	0.2728
164	30	HDR biased	91.784	91.847	0.0629
165	30	HDR biased	90.86	90.944	0.0839
166	30	HDR biased	91.196	90.818	-0.3777
168	30	HDR biased	90.923	90.881	-0.0419
169	30	HDR biased	91.385	91.406	0.021
170	10	HDR biased	90.881	90.839	-0.042
171	10	HDR biased	91.952	92.099	0.1469
172	10	HDR biased	90.944	90.755	-0.1889
173	10	HDR biased	91.658	91.7	0.0419
174	10	HDR biased	91.112	91.091	-0.021
175	3	HDR biased	90.692	90.713	0.021
176	3	HDR biased	91.217	91.217	0
178	3	HDR biased	90.797	90.818	0.021
179	3	HDR biased	90.797	90.692	-0.1049
180	3	HDR biased	90.881	90.86	-0.021
187	0	correlation	91.581	91.553	-0.0279
188	0	correlation	92.043	92.036	-0.0069
189	0	correlation	91.728	91.742	0.0141
190	0	correlation	91.329	91.259	-0.0698
191	0	correlation	91.644	91.658	0.0142
192	0	correlation	90.972	91.028	0.0561
193	0	correlation	91.833	91.826	-0.0069

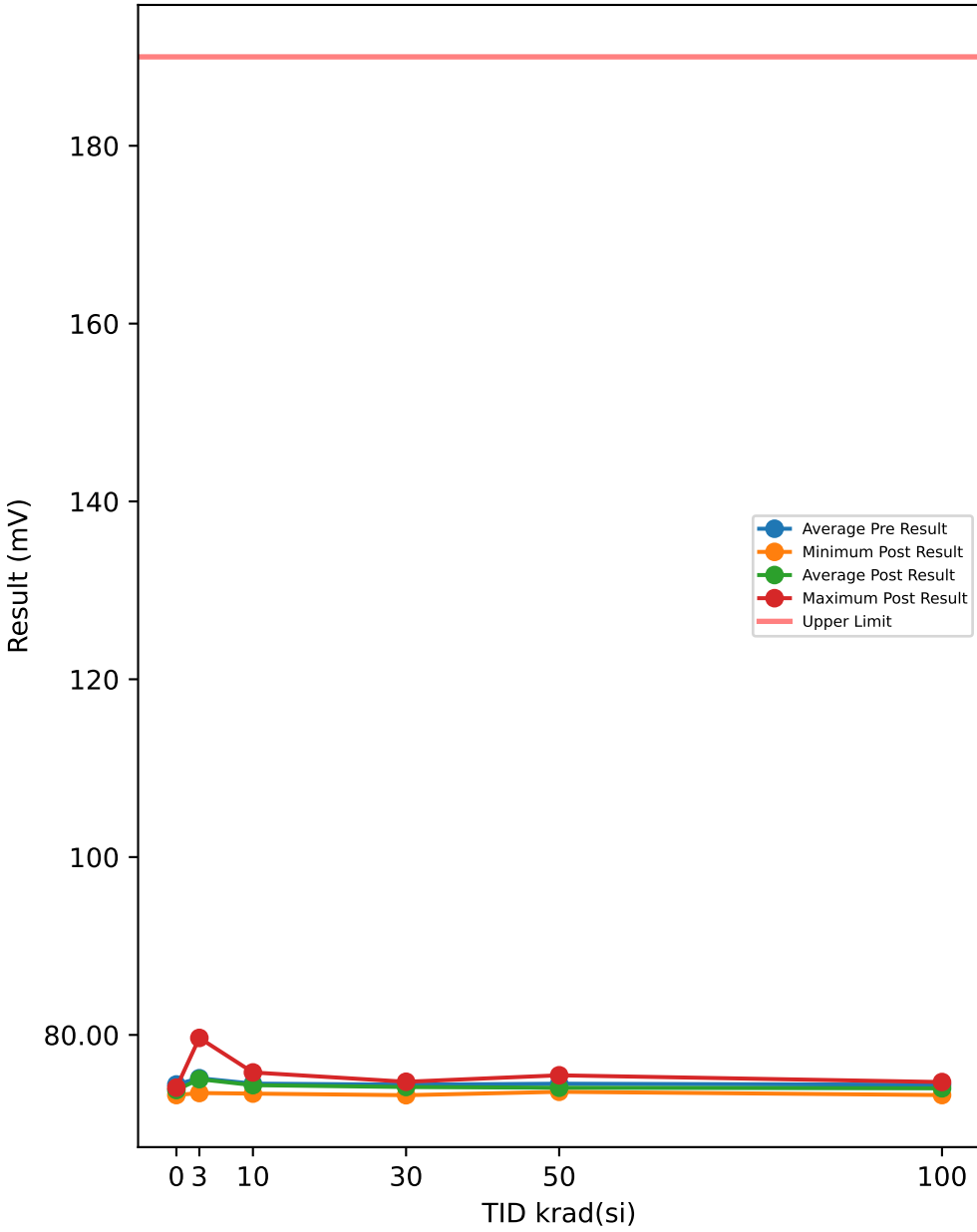


Test Statistics (%)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	90.972	91.59	92.043	0.35009	91.028	91.586	92.036	0.34352	-0.0698	-0.0038714	0.0561	0.039133
3	90.692	91.053	91.707	0.31958	90.692	91.048	91.707	0.3238	-0.1049	-0.0042	0.0629	0.04288
10	90.741	91.193	91.952	0.37106	90.678	91.176	92.099	0.45225	-0.1889	-0.0168	0.1469	0.099812
30	90.804	91.313	92.546	0.53892	90.804	91.311	92.357	0.50852	-0.3777	-0.00209	0.3148	0.18675
50	91.049	91.357	91.854	0.24708	91.007	91.361	92.378	0.37423	-0.3357	0.00421	0.5246	0.24184
100	91.007	91.386	91.784	0.21349	90.713	91.307	91.728	0.28818	-0.5247	-0.07978	0.2728	0.24847

Device Test: 14.20 VPG_OL(LEVELS|VOL/PG/14/////@VPG_OL)

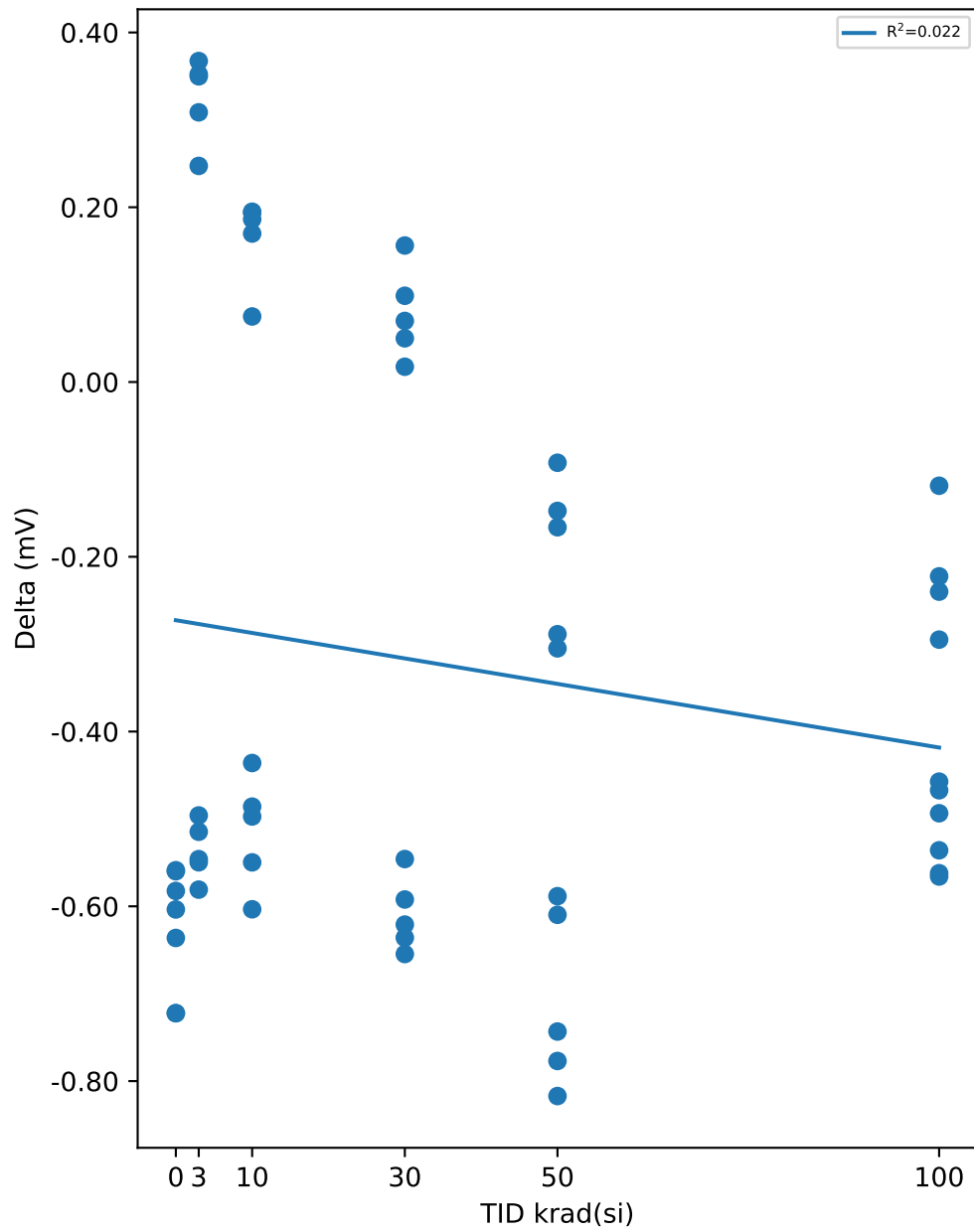
TID vs Result Stats



Test Results (Upper Limit = 190.0 (mV))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	73.553	73.862	0.3086
55	3	HDR unbiased	73.878	74.245	0.3673
57	3	HDR unbiased	73.636	73.988	0.3523
58	3	HDR unbiased	73.942	74.291	0.3498
59	3	HDR unbiased	73.643	73.89	0.2473
82	10	HDR unbiased	74.018	74.212	0.1937
83	10	HDR unbiased	74.351	74.546	0.1949
84	10	HDR unbiased	73.939	74.125	0.1862
85	10	HDR unbiased	74.306	74.476	0.1699
87	10	HDR unbiased	74.395	74.47	0.075
94	30	HDR unbiased	74.681	74.731	0.05
95	30	HDR unbiased	74.285	74.384	0.0987
97	30	HDR unbiased	74.383	74.4	0.0175
98	30	HDR unbiased	74.218	74.374	0.1562
99	30	HDR unbiased	74.376	74.446	0.0699
105	50	HDR unbiased	74.391	74.087	-0.3048
107	50	HDR unbiased	75.606	75.458	-0.1475
108	50	HDR unbiased	74.551	74.385	-0.1662
109	50	HDR unbiased	74.009	73.721	-0.2886
110	50	HDR unbiased	74.083	73.99	-0.0924
121	100	HDR biased	74.307	73.745	-0.5621
123	100	HDR biased	74.83	74.294	-0.5359
124	100	HDR biased	74.551	74.058	-0.4935
125	100	HDR biased	75.162	74.596	-0.5659
126	100	HDR biased	73.703	73.236	-0.4672
127	50	HDR biased	74.534	73.717	-0.8171
128	50	HDR biased	74.567	73.958	-0.6097
129	50	HDR biased	74.432	73.844	-0.5884
130	50	HDR biased	74.344	73.6	-0.7433
132	50	HDR biased	74.603	73.827	-0.777
149	100	HDR unbiased	73.519	73.297	-0.2224
150	100	HDR unbiased	75.157	74.7	-0.4573
151	100	HDR unbiased	74.329	74.034	-0.2948
152	100	HDR unbiased	74.328	74.209	-0.1187
153	100	HDR unbiased	74.014	73.774	-0.2399
164	30	HDR biased	75.191	74.57	-0.6209
165	30	HDR biased	73.766	73.221	-0.5459
166	30	HDR biased	74.636	74.044	-0.5922
168	30	HDR biased	74.096	73.46	-0.6359
169	30	HDR biased	74.41	73.755	-0.6546
170	10	HDR biased	76.383	75.779	-0.6034
171	10	HDR biased	73.886	73.4	-0.4859
172	10	HDR biased	75.318	74.821	-0.4972
173	10	HDR biased	74.531	74.095	-0.436
174	10	HDR biased	74.111	73.562	-0.5497
175	3	HDR biased	80.213	79.663	-0.5496
176	3	HDR biased	74.045	73.464	-0.5809
178	3	HDR biased	74.442	73.896	-0.546
179	3	HDR biased	78.038	77.523	-0.5147
180	3	HDR biased	75.916	75.421	-0.496
187	0	correlation	73.958	73.236	-0.7223
188	0	correlation	74.566	73.844	-0.7223
189	0	correlation	74.335	73.699	-0.6362
190	0	correlation	74.618	74.014	-0.6036
191	0	correlation	74.61	74.028	-0.5824
192	0	correlation	74.627	74.069	-0.5587
193	0	correlation	74.273	73.713	-0.5599

TID vs Post - Pre Exposure Delta

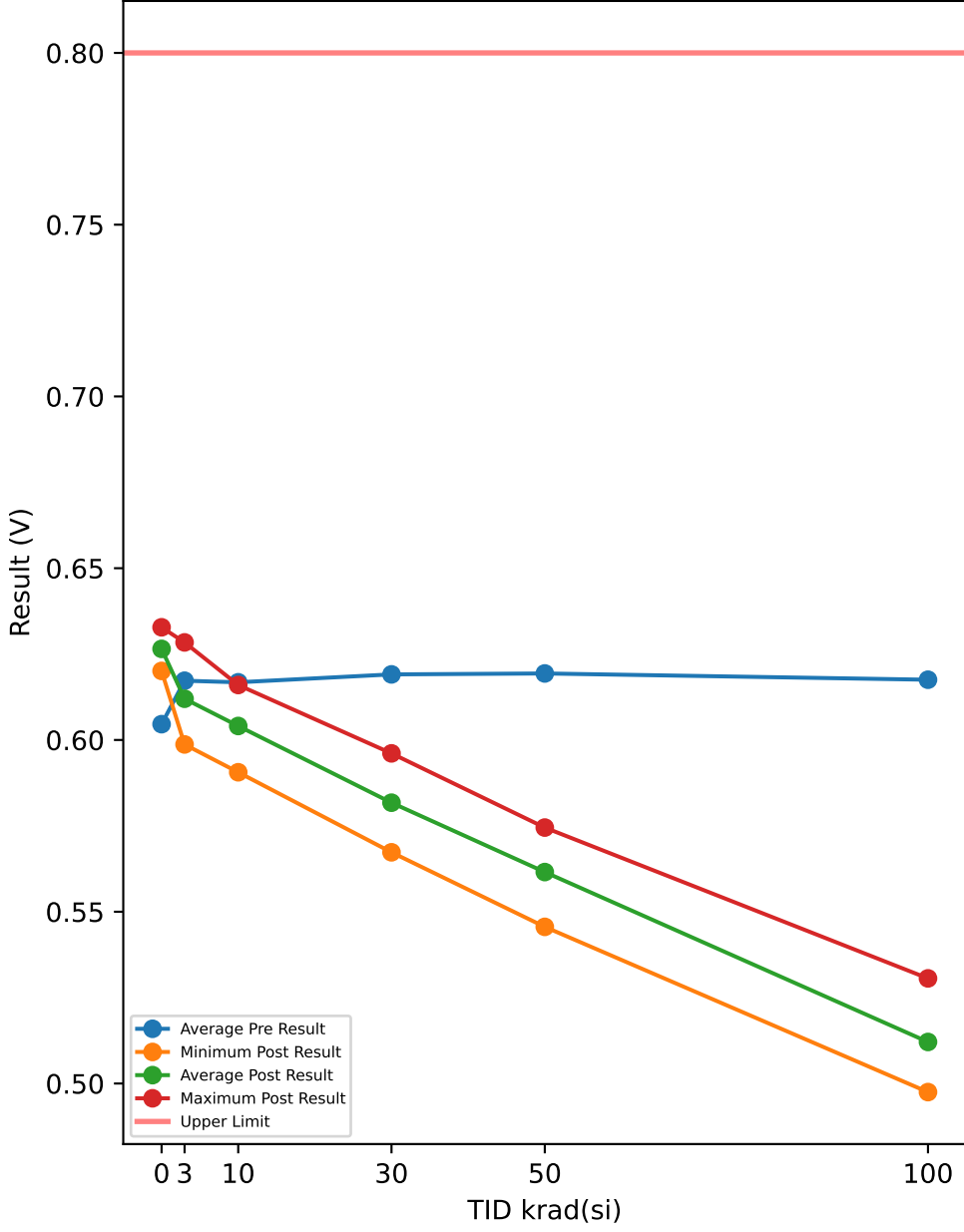


Test Statistics (mV)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	73.958	74.427	74.627	0.25221	73.236	73.8	74.069	0.291	-0.7223	-0.62649	-0.5587	0.070653
3	73.553	75.131	80.213	2.2723	73.464	75.024	79.663	2.0133	-0.5809	-0.10619	0.3673	0.45626
10	73.886	74.524	76.383	0.77126	73.4	74.349	75.779	0.66589	-0.6034	-0.17525	0.1949	0.36166
30	73.766	74.404	75.191	0.38016	73.221	74.139	74.731	0.50269	-0.6546	-0.26572	0.1562	0.36558
50	74.009	74.512	75.606	0.4341	73.6	74.059	75.458	0.53979	-0.8171	-0.4535	-0.0924	0.28271
100	73.519	74.39	75.162	0.55673	73.236	73.994	74.7	0.49143	-0.5659	-0.39577	-0.1187	0.16193

Device Test: 14.21 VIN_MIN_PG(VIN|MIN_PG/PG/0.4/////@VIN_MIN_PG)

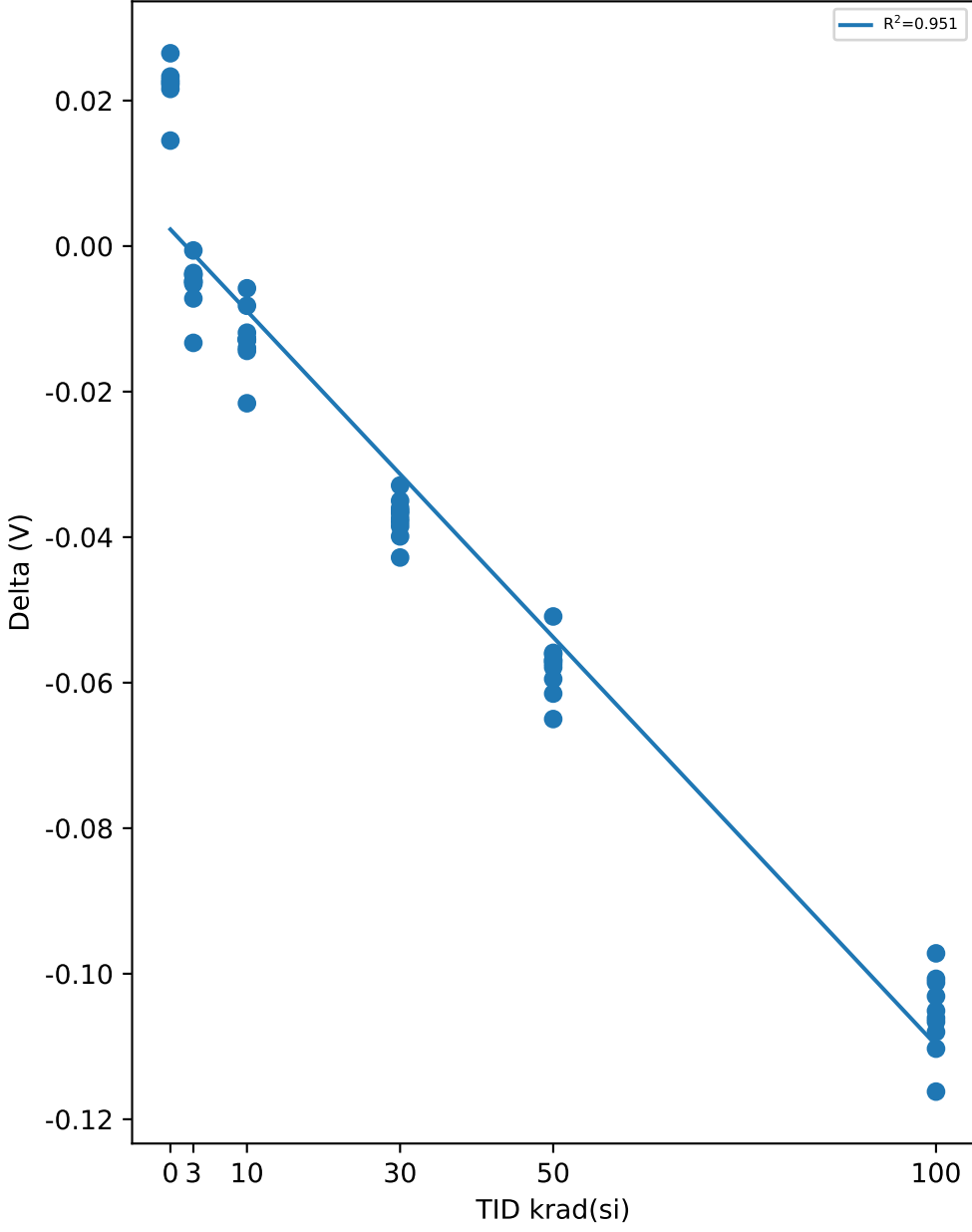
TID vs Result Stats



Test Results (Upper Limit = 0.8 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.6065	0.6017	-0.0048
55	3	HDR unbiased	0.6105	0.6066	-0.0039
57	3	HDR unbiased	0.6055	0.6007	-0.0048
58	3	HDR unbiased	0.6084	0.6047	-0.0037
59	3	HDR unbiased	0.6037	0.5987	-0.005
82	10	HDR unbiased	0.6075	0.5956	-0.0119
83	10	HDR unbiased	0.6094	0.5967	-0.0127
84	10	HDR unbiased	0.6046	0.5906	-0.014
85	10	HDR unbiased	0.6065	0.5936	-0.0129
87	10	HDR unbiased	0.6116	0.5987	-0.0129
94	30	HDR unbiased	0.6047	0.5673	-0.0374
95	30	HDR unbiased	0.6075	0.5725	-0.035
97	30	HDR unbiased	0.6075	0.5715	-0.036
98	30	HDR unbiased	0.6047	0.5683	-0.0364
99	30	HDR unbiased	0.6095	0.5766	-0.0329
105	50	HDR unbiased	0.6095	0.5516	-0.0579
107	50	HDR unbiased	0.6105	0.5546	-0.0559
108	50	HDR unbiased	0.6017	0.5456	-0.0561
109	50	HDR unbiased	0.6075	0.5506	-0.0569
110	50	HDR unbiased	0.6075	0.5566	-0.0509
121	100	HDR biased	0.6318	0.5156	-0.1162
123	100	HDR biased	0.6239	0.5232	-0.1007
124	100	HDR biased	0.6367	0.5306	-0.1061
125	100	HDR biased	0.633	0.5227	-0.1103
126	100	HDR biased	0.6288	0.5222	-0.1066
127	50	HDR biased	0.6276	0.5702	-0.0574
128	50	HDR biased	0.6365	0.5715	-0.065
129	50	HDR biased	0.6315	0.5745	-0.057
130	50	HDR biased	0.6344	0.5729	-0.0615
132	50	HDR biased	0.6269	0.5674	-0.0595
149	100	HDR unbiased	0.6055	0.4975	-0.108
150	100	HDR unbiased	0.6007	0.4995	-0.1012
151	100	HDR unbiased	0.6106	0.5055	-0.1051
152	100	HDR unbiased	0.6027	0.4996	-0.1031
153	100	HDR unbiased	0.6017	0.5045	-0.0972
164	30	HDR biased	0.6328	0.5943	-0.0385
165	30	HDR biased	0.63	0.5933	-0.0367
166	30	HDR biased	0.6284	0.5885	-0.0399
168	30	HDR biased	0.6318	0.589	-0.0428
169	30	HDR biased	0.634	0.5961	-0.0379
170	10	HDR biased	0.6286	0.6142	-0.0144
171	10	HDR biased	0.6201	0.6143	-0.0058
172	10	HDR biased	0.6324	0.6108	-0.0216
173	10	HDR biased	0.6242	0.616	-0.0082
174	10	HDR biased	0.623	0.6102	-0.0128
175	3	HDR biased	0.6186	0.618	-0.0006
176	3	HDR biased	0.6287	0.6247	-0.004
178	3	HDR biased	0.6318	0.6185	-0.0133
179	3	HDR biased	0.6252	0.618	-0.0072
180	3	HDR biased	0.6336	0.6284	-0.0052
187	0	correlation	0.6056	0.6201	0.0145
188	0	correlation	0.6065	0.6287	0.0222
189	0	correlation	0.6027	0.6255	0.0228
190	0	correlation	0.6027	0.6252	0.0225
191	0	correlation	0.6095	0.6328	0.0233
192	0	correlation	0.6046	0.6262	0.0216
193	0	correlation	0.6006	0.6271	0.0265

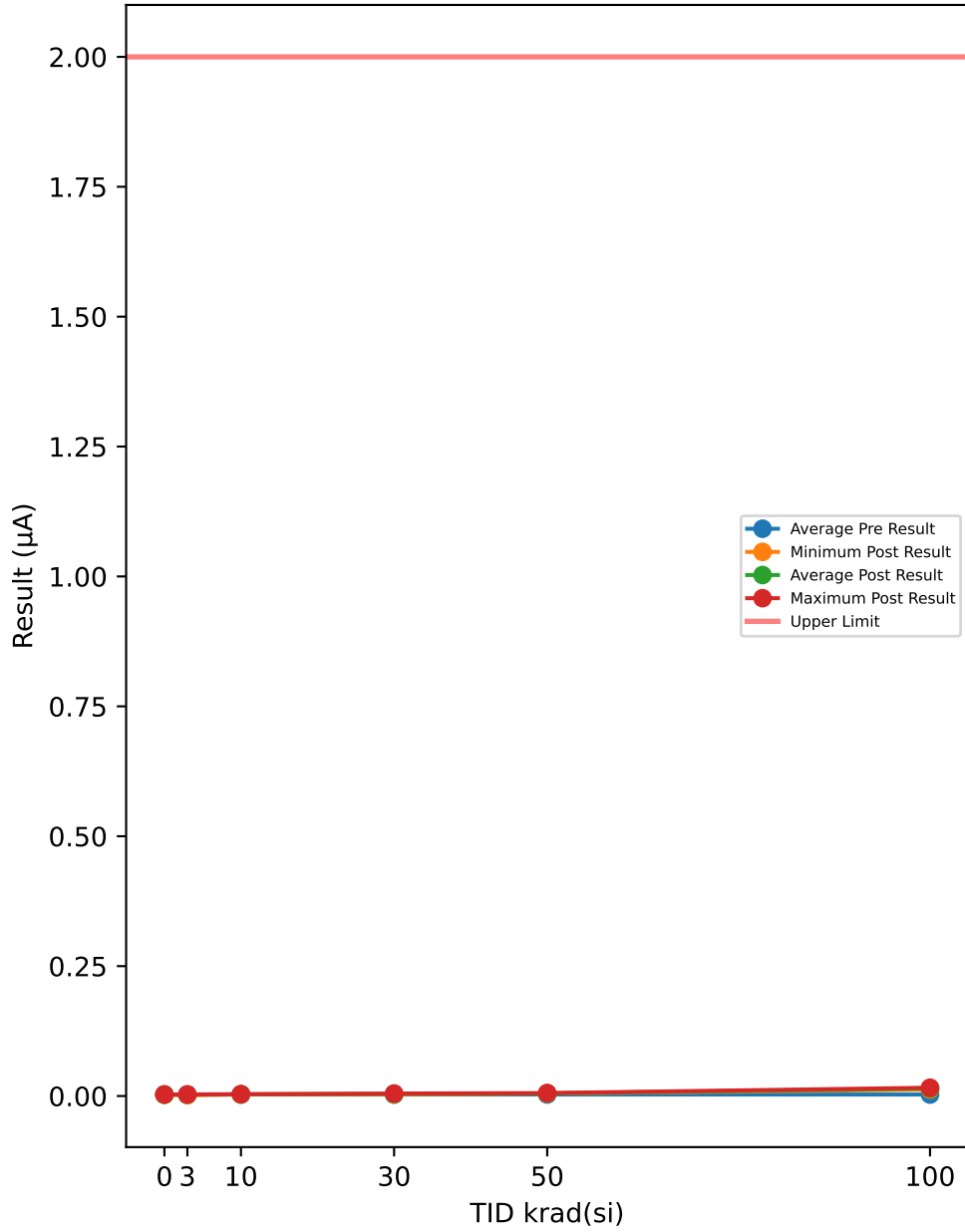
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.6006	0.6046	0.6095	0.0029394	0.6201	0.62651	0.6328	0.0038434	0.0145	0.021914	0.0265	0.0036338
3	0.6037	0.61725	0.6336	0.01172	0.5987	0.612	0.6284	0.010737	-0.0133	-0.00525	-0.0006	0.0032742
10	0.6046	0.61679	0.6324	0.010055	0.5906	0.60407	0.616	0.0098794	-0.0216	-0.01272	-0.0058	0.0041147
30	0.6047	0.61909	0.634	0.013133	0.5673	0.58174	0.5961	0.011556	-0.0428	-0.03735	-0.0329	0.0027143
50	0.6017	0.61936	0.6365	0.01317	0.5456	0.56155	0.5745	0.010805	-0.065	-0.05781	-0.0509	0.0037141
100	0.6007	0.61754	0.6367	0.014623	0.4975	0.51209	0.5306	0.012118	-0.1162	-0.10545	-0.0972	0.005392

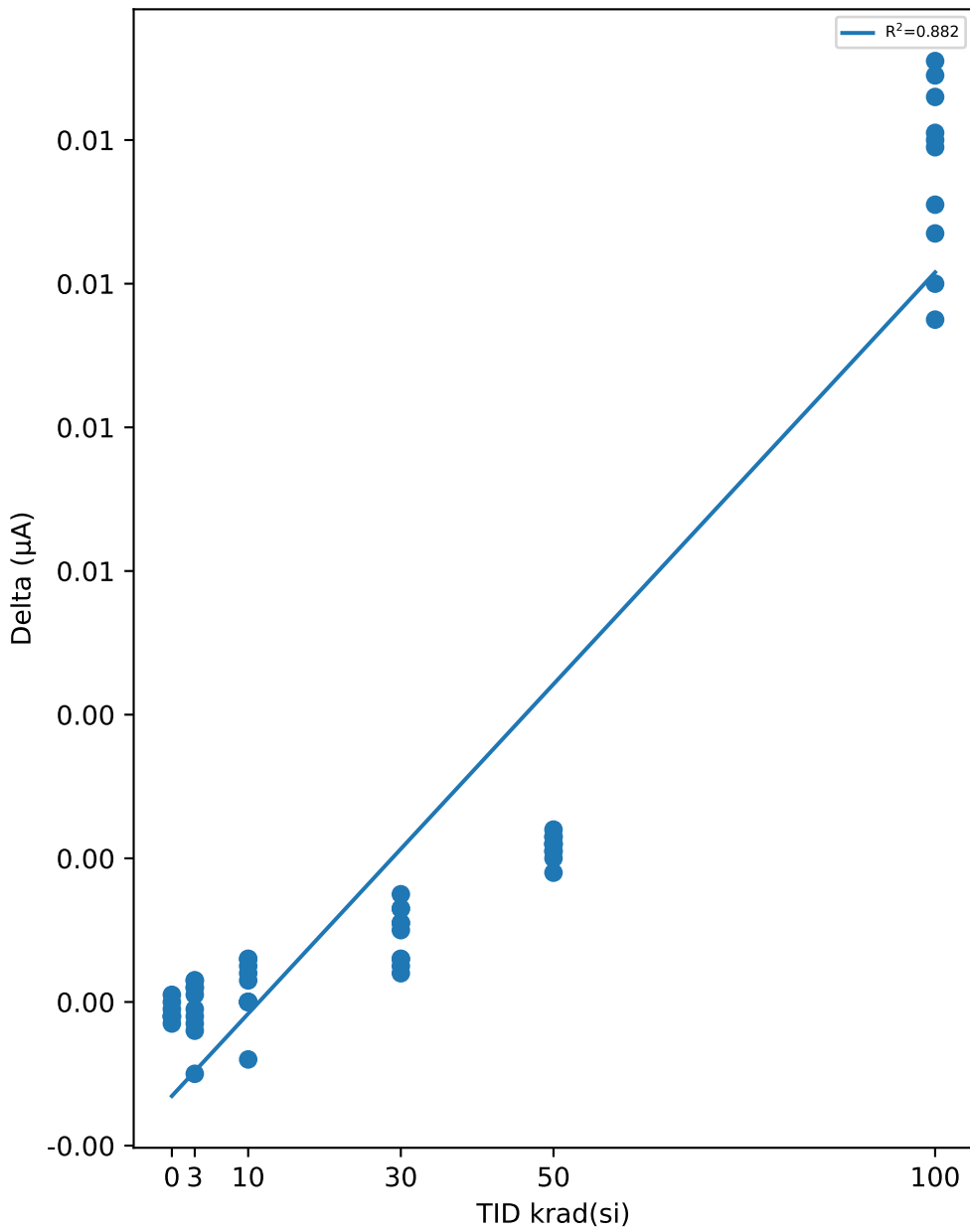
TID vs Result Stats



Test Results (Upper Limit = 2.0 (µA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.0028	0.0027	-0.0001
55	3	HDR unbiased	0.0028	0.0026	-0.0002
57	3	HDR unbiased	0.003	0.0026	-0.0004
58	3	HDR unbiased	0.0029	0.0026	-0.0003
59	3	HDR unbiased	0.0026	0.0028	0.0002
82	10	HDR unbiased	0.0029	0.0029	0
83	10	HDR unbiased	0.0029	0.0029	0
84	10	HDR unbiased	0.0029	0.0033	0.0004
85	10	HDR unbiased	0.0031	0.0031	0
87	10	HDR unbiased	0.0031	0.0031	0
94	30	HDR unbiased	0.0028	0.0038	0.001
95	30	HDR unbiased	0.0033	0.0038	0.0005
97	30	HDR unbiased	0.0029	0.0035	0.0006
98	30	HDR unbiased	0.0027	0.0038	0.0011
99	30	HDR unbiased	0.0029	0.0035	0.0006
105	50	HDR unbiased	0.0029	0.005	0.0021
107	50	HDR unbiased	0.0034	0.0052	0.0018
108	50	HDR unbiased	0.0036	0.0057	0.0021
109	50	HDR unbiased	0.0028	0.0052	0.0024
110	50	HDR unbiased	0.0026	0.0049	0.0023
121	100	HDR biased	0.0027	0.0148	0.0121
123	100	HDR biased	0.0029	0.0155	0.0126
124	100	HDR biased	0.0027	0.0134	0.0107
125	100	HDR biased	0.0029	0.016	0.0131
126	100	HDR biased	0.0028	0.0139	0.0111
127	50	HDR biased	0.0027	0.0049	0.0022
128	50	HDR biased	0.0026	0.0048	0.0022
129	50	HDR biased	0.0028	0.005	0.0022
130	50	HDR biased	0.0028	0.0051	0.0023
132	50	HDR biased	0.0029	0.0049	0.002
149	100	HDR unbiased	0.003	0.0159	0.0129
150	100	HDR unbiased	0.003	0.0149	0.0119
151	100	HDR unbiased	0.0029	0.0129	0.01
152	100	HDR unbiased	0.0029	0.0149	0.012
153	100	HDR unbiased	0.0029	0.0124	0.0095
164	30	HDR biased	0.0027	0.004	0.0013
165	30	HDR biased	0.0026	0.003	0.0004
166	30	HDR biased	0.0037	0.0048	0.0011
168	30	HDR biased	0.0027	0.0042	0.0015
169	30	HDR biased	0.0027	0.004	0.0013
170	10	HDR biased	0.0043	0.0035	-0.0008
171	10	HDR biased	0.0033	0.0036	0.0003
172	10	HDR biased	0.0027	0.0033	0.0006
173	10	HDR biased	0.0027	0.0033	0.0006
174	10	HDR biased	0.0029	0.0034	0.0005
175	3	HDR biased	0.0028	0.0031	0.0003
176	3	HDR biased	0.0027	0.003	0.0003
178	3	HDR biased	0.0026	0.0016	-0.001
179	3	HDR biased	0.0027	0.0029	0.0002
180	3	HDR biased	0.0028	0.0029	0.0001
187	0	correlation	0.0028	0.0025	-0.0003
188	0	correlation	0.0026	0.0026	0
189	0	correlation	0.0029	0.0027	-0.0002
190	0	correlation	0.0028	0.0029	0.0001
191	0	correlation	0.0031	0.003	-0.0001
192	0	correlation	0.0029	0.0027	-0.0002
193	0	correlation	0.003	0.0028	-0.0002

TID vs Post - Pre Exposure Delta

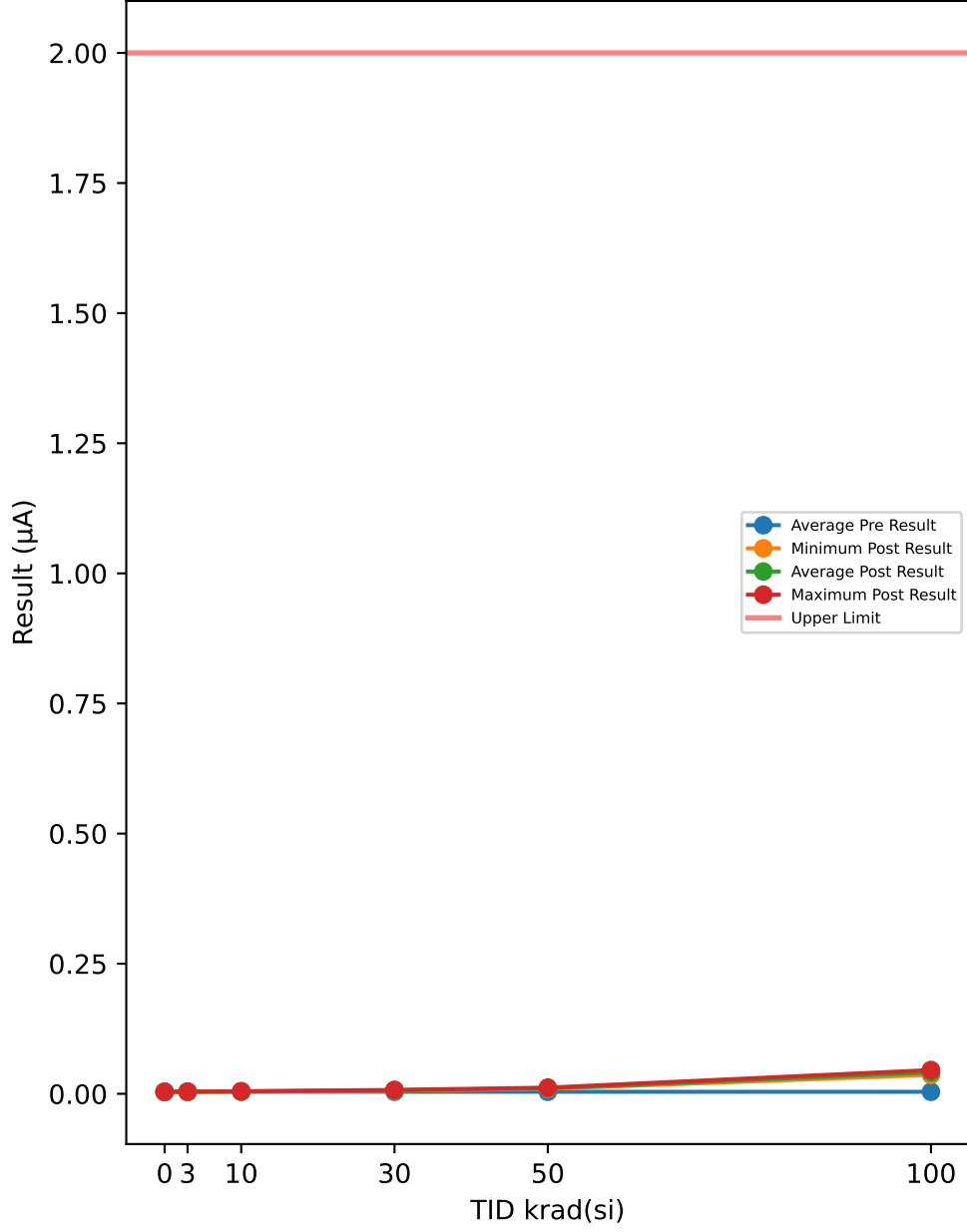


Test Statistics (µA)

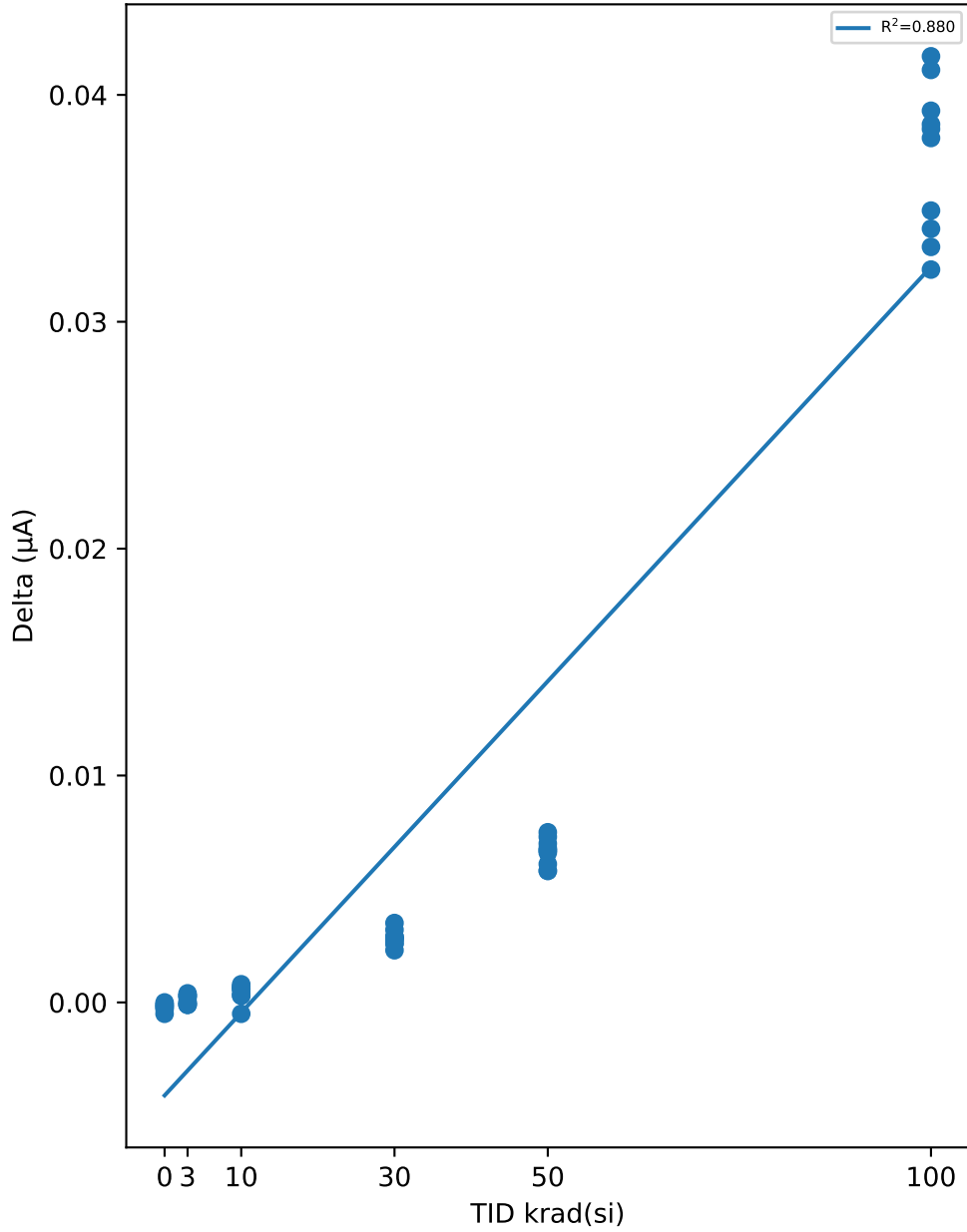
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.0026	0.0028714	0.0031	0.00016036	0.0025	0.0027429	0.003	0.00017182	-0.0003	-0.00012857	0.0001	0.00013801
3	0.0026	0.00277	0.003	0.00012517	0.0016	0.00268	0.0031	0.00041846	-0.001	-9e-05	0.0003	0.00040675
10	0.0027	0.00308	0.0043	0.00046619	0.0029	0.00324	0.0036	0.00023664	-0.0008	0.00016	0.0006	0.00042216
30	0.0026	0.0029	0.0037	0.00034319	0.003	0.00384	0.0048	0.00047656	0.0004	0.00094	0.0015	0.00038644
50	0.0026	0.00291	0.0036	0.00033149	0.0048	0.00507	0.0057	0.00025841	0.0018	0.00216	0.0024	0.00017127
100	0.0027	0.00287	0.003	0.00010593	0.0124	0.01446	0.016	0.0012536	0.0095	0.01159	0.0131	0.0012233

Device Test: 14.23 IPG_LKG(LEAK|LEAKAGE/PG/14/0.6//0//@IPG_LKG)

TID vs Result Stats



TID vs Post - Pre Exposure Delta



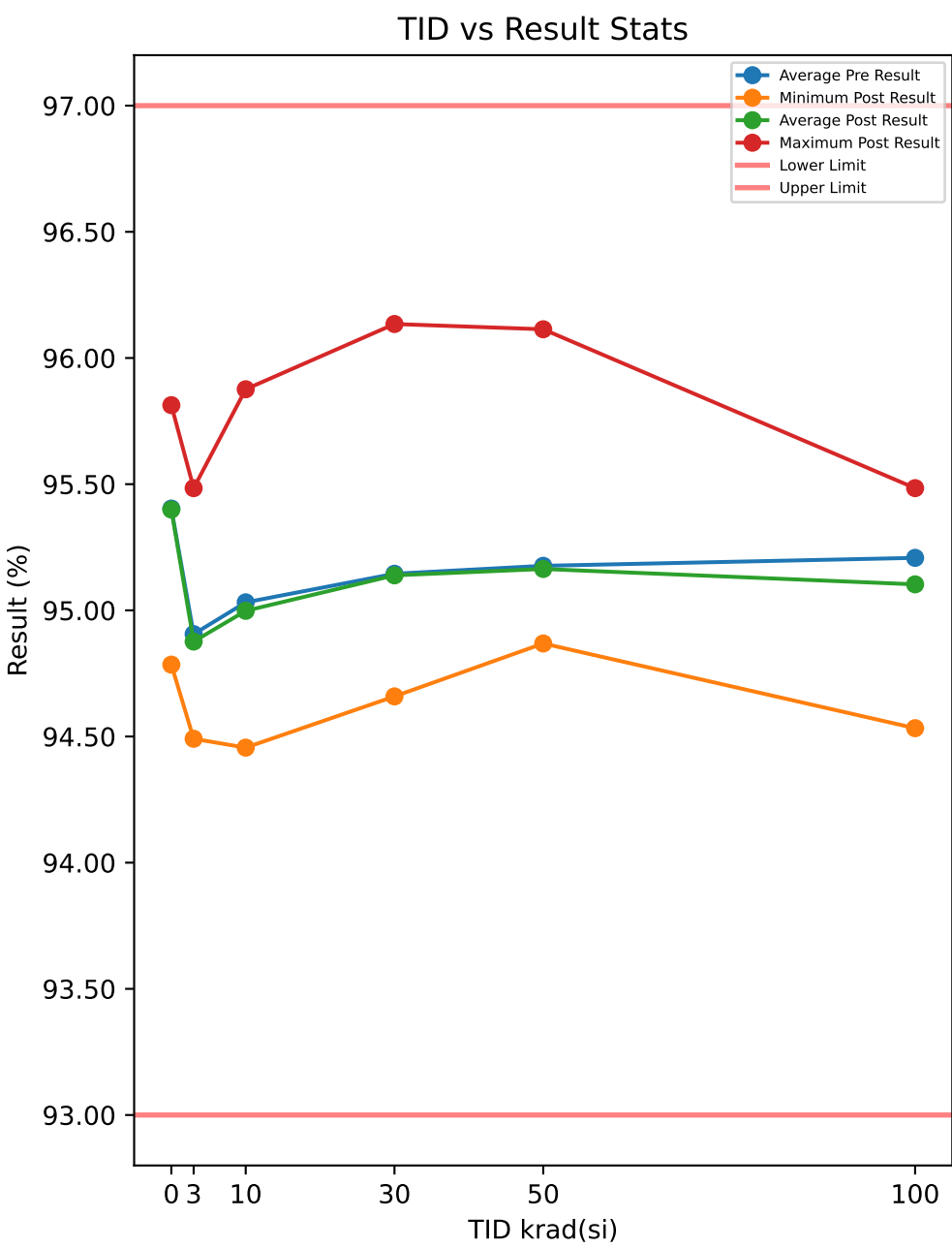
Test Results (Upper Limit = 2.0 (µA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.0037	0.004	0.0003
55	3	HDR unbiased	0.0038	0.0037	-0.0001
57	3	HDR unbiased	0.0037	0.0037	0
58	3	HDR unbiased	0.0037	0.0036	-0.0001
59	3	HDR unbiased	0.0039	0.0039	0
82	10	HDR unbiased	0.0037	0.0043	0.0006
83	10	HDR unbiased	0.0038	0.0042	0.0004
84	10	HDR unbiased	0.004	0.0043	0.0003
85	10	HDR unbiased	0.0037	0.0043	0.0006
87	10	HDR unbiased	0.004	0.0043	0.0003
94	30	HDR unbiased	0.004	0.0066	0.0026
95	30	HDR unbiased	0.0042	0.0068	0.0026
97	30	HDR unbiased	0.0036	0.0064	0.0028
98	30	HDR unbiased	0.0039	0.0067	0.0028
99	30	HDR unbiased	0.0037	0.006	0.0023
105	50	HDR unbiased	0.0037	0.0107	0.007
107	50	HDR unbiased	0.0046	0.0104	0.0058
108	50	HDR unbiased	0.0044	0.0119	0.0075
109	50	HDR unbiased	0.0038	0.0111	0.0073
110	50	HDR unbiased	0.0037	0.0095	0.0058
121	100	HDR biased	0.0037	0.043	0.0393
123	100	HDR biased	0.0039	0.0424	0.0385
124	100	HDR biased	0.0036	0.0385	0.0349
125	100	HDR biased	0.004	0.0457	0.0417
126	100	HDR biased	0.0039	0.038	0.0341
127	50	HDR biased	0.0036	0.0103	0.0067
128	50	HDR biased	0.0038	0.0106	0.0068
129	50	HDR biased	0.0038	0.0104	0.0066
130	50	HDR biased	0.0039	0.0106	0.0067
132	50	HDR biased	0.0038	0.0099	0.0061
149	100	HDR unbiased	0.0041	0.0452	0.0411
150	100	HDR unbiased	0.004	0.0427	0.0387
151	100	HDR unbiased	0.0036	0.0369	0.0333
152	100	HDR unbiased	0.0038	0.0419	0.0381
153	100	HDR unbiased	0.004	0.0363	0.0323
164	30	HDR biased	0.0038	0.0066	0.0028
165	30	HDR biased	0.0037	0.0072	0.0035
166	30	HDR biased	0.0046	0.0075	0.0029
168	30	HDR biased	0.0039	0.0071	0.0032
169	30	HDR biased	0.0037	0.0066	0.0029
170	10	HDR biased	0.0052	0.0047	-0.0005
171	10	HDR biased	0.0042	0.005	0.0008
172	10	HDR biased	0.0037	0.0044	0.0007
173	10	HDR biased	0.0038	0.0044	0.0006
174	10	HDR biased	0.0039	0.0046	0.0007
175	3	HDR biased	0.0039	0.0042	0.0003
176	3	HDR biased	0.0037	0.0041	0.0004
178	3	HDR biased	0.004	0.0039	-0.0001
179	3	HDR biased	0.0038	0.0041	0.0003
180	3	HDR biased	0.0038	0.004	0.0002
187	0	correlation	0.0038	0.0033	-0.0005
188	0	correlation	0.0036	0.0036	0
189	0	correlation	0.0039	0.0037	-0.0002
190	0	correlation	0.0037	0.0036	-0.0001
191	0	correlation	0.0041	0.0039	-0.0002
192	0	correlation	0.0038	0.0035	-0.0003
193	0	correlation	0.0039	0.0038	-0.0001

Test Statistics (µA)

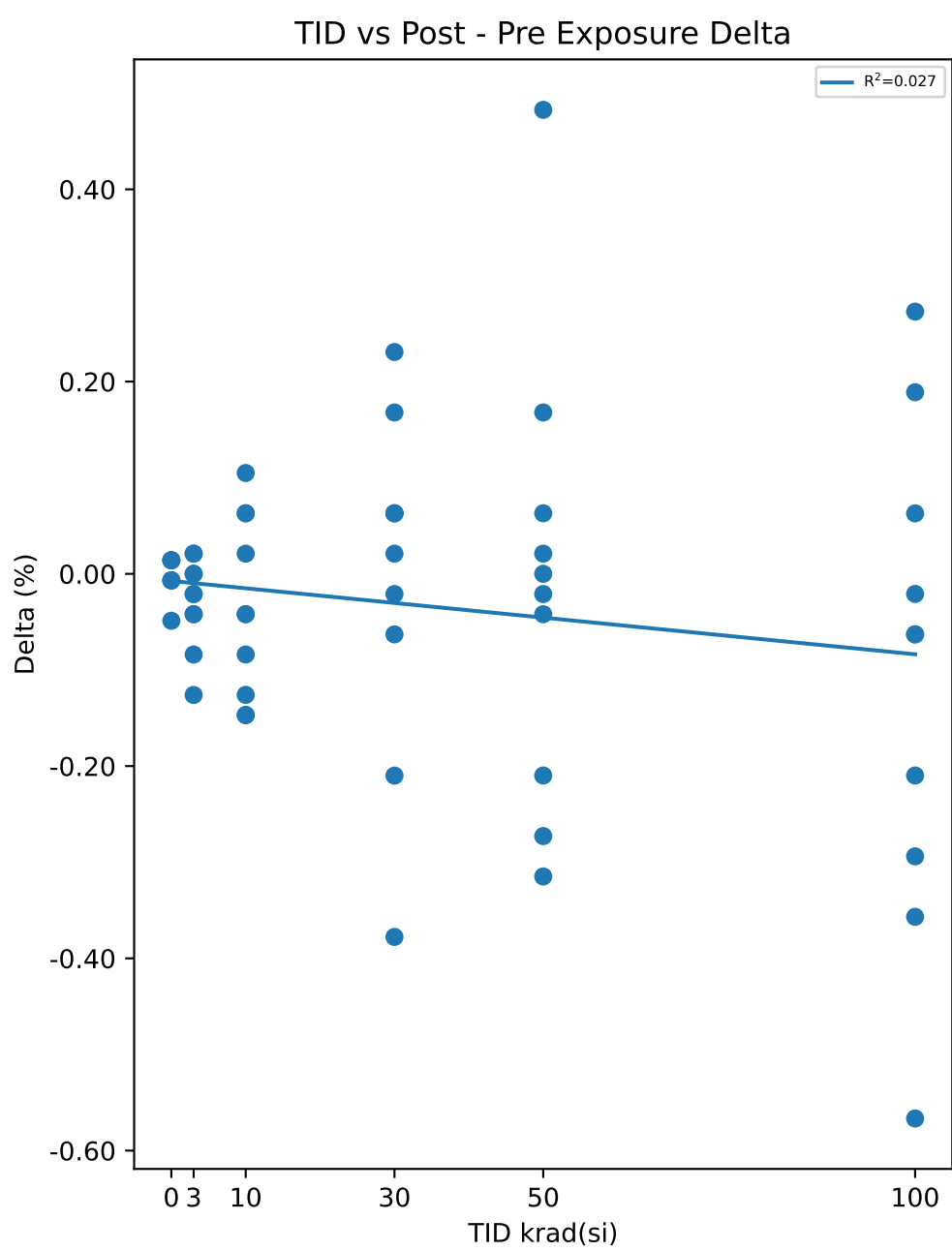
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.0036	0.0038286	0.0041	0.00016036	0.0033	0.0036286	0.0039	0.0001976	-0.0005	-0.0002	0	0.0001633
3	0.0037	0.0038	0.004	0.00010541	0.0036	0.00392	0.0042	0.00019889	-0.0001	0.00012	0.0004	0.00019889
10	0.0037	0.004	0.0052	0.00045216	0.0042	0.00445	0.005	0.00024608	-0.0005	0.00045	0.0008	0.00037491
30	0.0036	0.00391	0.0046	0.00029981	0.006	0.00675	0.0075	0.00042753	0.0023	0.00284	0.0035	0.00033066
50	0.0036	0.00391	0.0046	0.00032472	0.0095	0.01054	0.0119	0.00064842	0.0058	0.00663	0.0075	0.00058128
100	0.0036	0.00386	0.0041	0.00017764	0.0363	0.04106	0.0457	0.0033912	0.0323	0.0372	0.0417	0.0033123

Device Test: 14.4 VPG_RISE(THRESHOLD|RISE/FB/3.3/0.6//10//@VPG_RISE)



Test Results (Lower Limit = 93.0, Upper Limit = 97.0 (%))

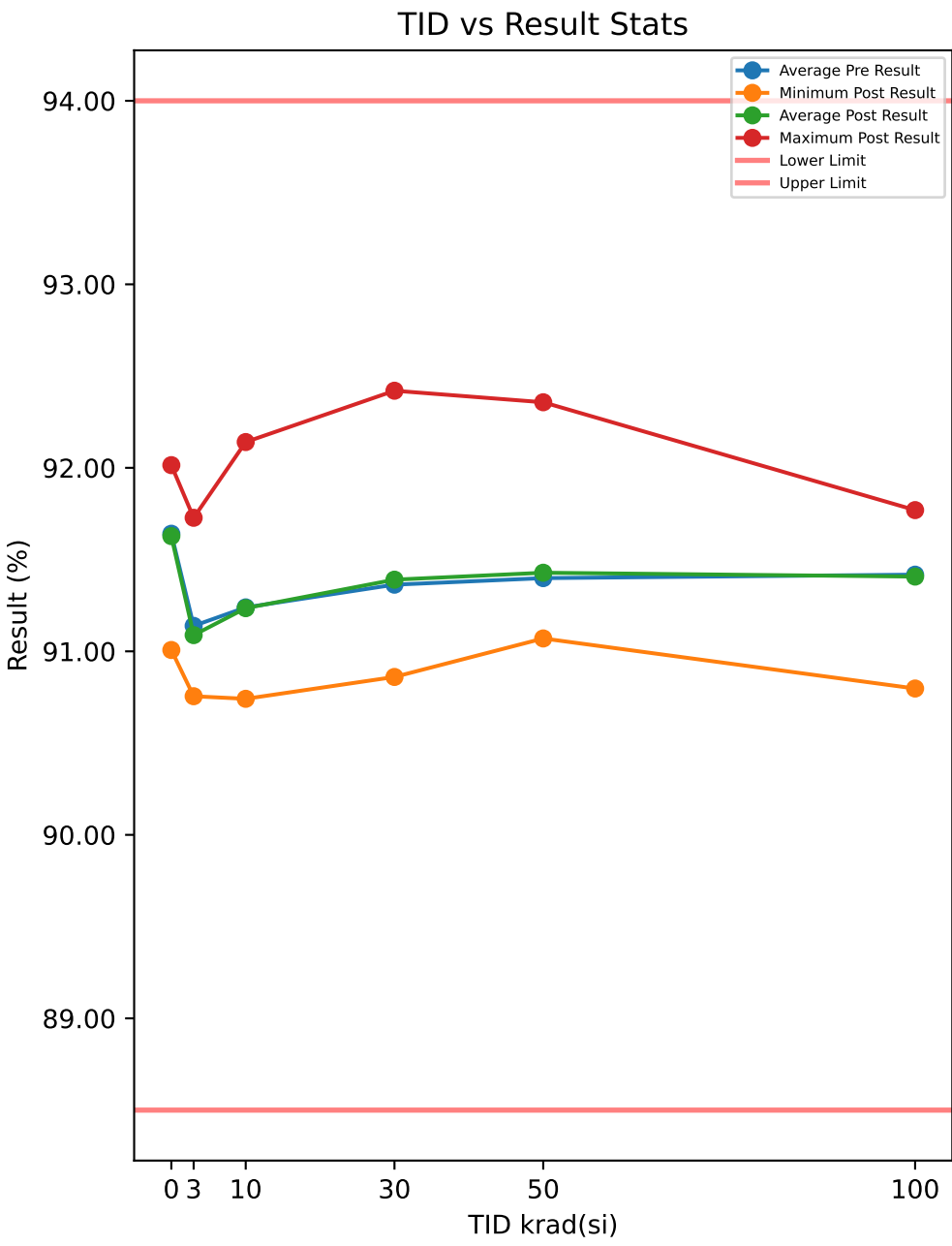
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	94.834	94.834	0
55	3	HDR unbiased	94.75	94.729	-0.021
57	3	HDR unbiased	95.169	95.169	0
58	3	HDR unbiased	95.568	95.484	-0.0839
59	3	HDR unbiased	95.106	95.127	0.021
82	10	HDR unbiased	95.043	95.064	0.021
83	10	HDR unbiased	95.148	95.106	-0.042
84	10	HDR unbiased	95.001	95.106	0.1049
85	10	HDR unbiased	94.603	94.456	-0.1469
87	10	HDR unbiased	94.792	94.666	-0.1259
94	30	HDR unbiased	96.345	96.135	-0.2099
95	30	HDR unbiased	95.001	95.232	0.2308
97	30	HDR unbiased	95.358	95.337	-0.021
98	30	HDR unbiased	94.792	94.96	0.1679
99	30	HDR unbiased	94.645	94.666	0.021
105	50	HDR unbiased	95.631	96.114	0.4827
107	50	HDR unbiased	95.148	95.106	-0.042
108	50	HDR unbiased	95.127	95.106	-0.021
109	50	HDR unbiased	94.981	95.043	0.063
110	50	HDR unbiased	95.421	95.148	-0.2728
121	100	HDR biased	95.1	95.372	0.2728
123	100	HDR biased	95.351	95.288	-0.063
124	100	HDR biased	95.582	95.016	-0.5666
125	100	HDR biased	94.89	94.533	-0.3568
126	100	HDR biased	95.141	94.932	-0.2098
127	50	HDR biased	94.848	94.869	0.021
128	50	HDR biased	95.162	95.162	0
129	50	HDR biased	95.351	95.037	-0.3148
130	50	HDR biased	94.911	95.079	0.1679
132	50	HDR biased	95.183	94.974	-0.2098
149	100	HDR unbiased	94.939	94.918	-0.0209
150	100	HDR unbiased	95.232	95.169	-0.0629
151	100	HDR unbiased	95.169	95.232	0.0629
152	100	HDR unbiased	95.379	95.085	-0.2939
153	100	HDR unbiased	95.295	95.484	0.1889
164	30	HDR biased	95.624	95.687	0.063
165	30	HDR biased	94.701	94.764	0.063
166	30	HDR biased	95.037	94.659	-0.3777
168	30	HDR biased	94.785	94.722	-0.063
169	30	HDR biased	95.162	95.225	0.063
170	10	HDR biased	94.701	94.659	-0.0419
171	10	HDR biased	95.813	95.876	0.063
172	10	HDR biased	94.785	94.638	-0.1469
173	10	HDR biased	95.435	95.498	0.063
174	10	HDR biased	94.995	94.911	-0.0839
175	3	HDR biased	94.533	94.491	-0.0419
176	3	HDR biased	95.058	95.037	-0.021
178	3	HDR biased	94.638	94.659	0.021
179	3	HDR biased	94.659	94.533	-0.126
180	3	HDR biased	94.743	94.701	-0.042
187	0	correlation	95.421	95.414	-0.0068
188	0	correlation	95.799	95.813	0.0141
189	0	correlation	95.568	95.582	0.0141
190	0	correlation	95.106	95.121	0.0142
191	0	correlation	95.421	95.414	-0.0068
192	0	correlation	94.834	94.785	-0.0488
193	0	correlation	95.673	95.666	-0.0068



Test Statistics (%)

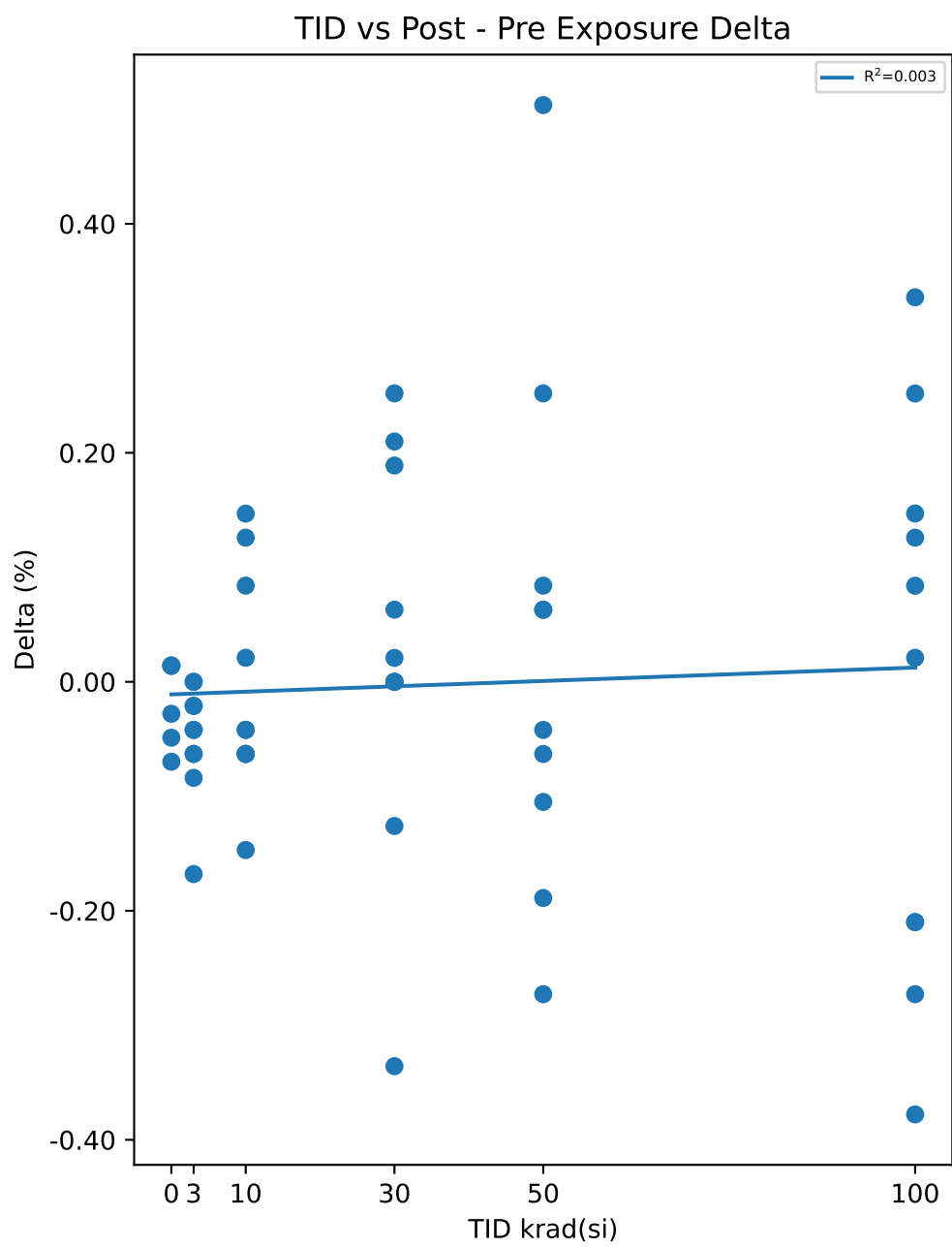
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	94.834	95.403	95.799	0.33412	94.785	95.399	95.813	0.3492	-0.0488	-0.0038286	0.0142	0.022423
3	94.533	94.906	95.568	0.31611	94.491	94.876	95.484	0.31837	-0.126	-0.02938	0.021	0.046627
10	94.603	95.032	95.813	0.36539	94.456	94.998	95.876	0.43536	-0.1469	-0.03356	0.1049	0.092909
30	94.645	95.145	96.345	0.52165	94.659	95.139	96.135	0.48865	-0.3777	-0.00629	0.2308	0.17781
50	94.848	95.176	95.631	0.23985	94.869	95.164	96.114	0.34488	-0.3148	-0.01258	0.4827	0.23184
100	94.89	95.208	95.582	0.2081	94.533	95.103	95.484	0.27286	-0.5666	-0.10493	0.2728	0.25627

Device Test: 14.5 VPG_FALL(THRESHOLD|FALL/FB/3.3/0.6//10//@VPG_FALL)



Test Results (Lower Limit = 88.5, Upper Limit = 94.0 (%))

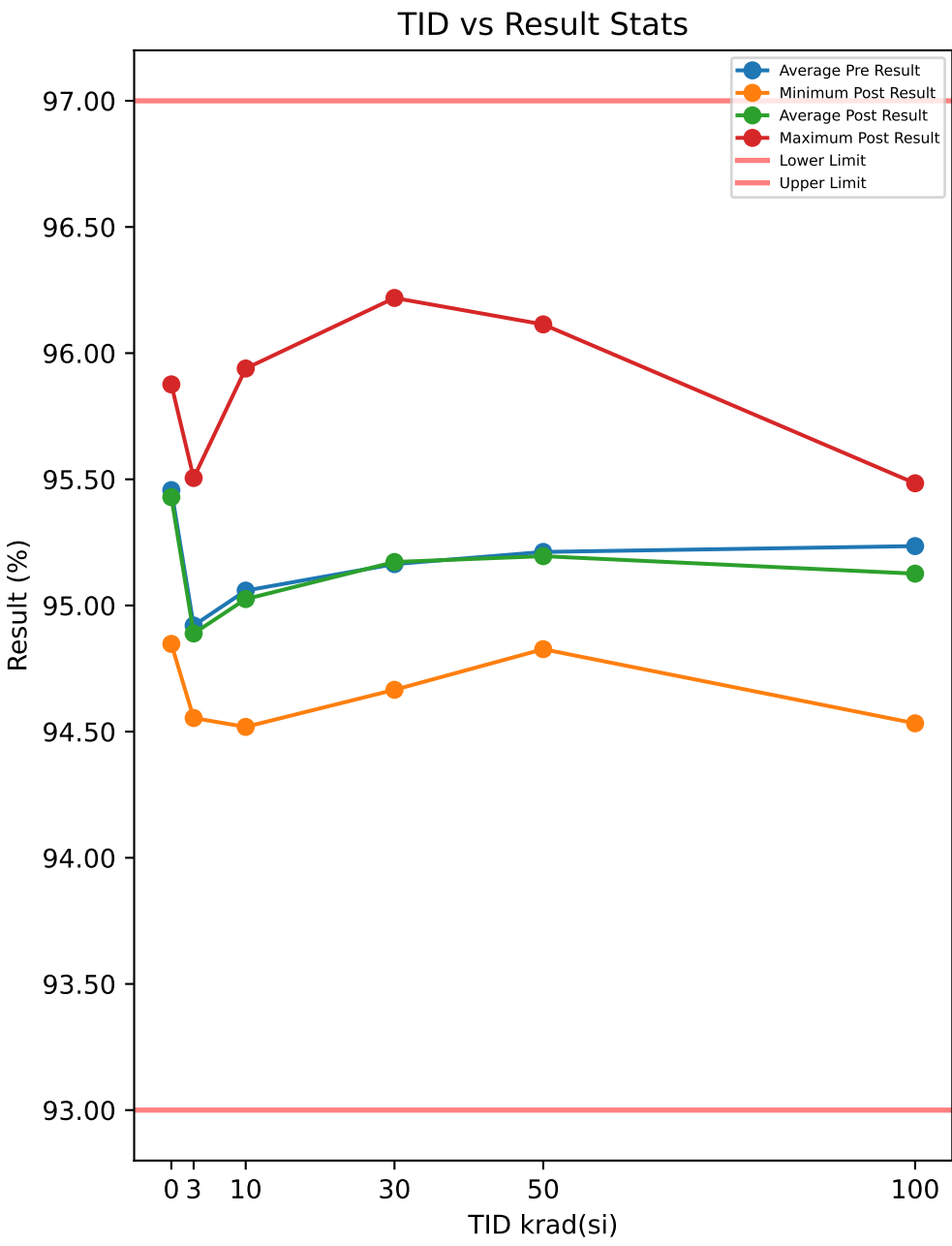
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	91.098	91.014	-0.0839
55	3	HDR unbiased	90.888	90.888	0
57	3	HDR unbiased	91.413	91.392	-0.021
58	3	HDR unbiased	91.791	91.728	-0.0629
59	3	HDR unbiased	91.329	91.329	0
82	10	HDR unbiased	91.203	91.287	0.084
83	10	HDR unbiased	91.392	91.329	-0.063
84	10	HDR unbiased	91.224	91.35	0.1259
85	10	HDR unbiased	90.804	90.741	-0.063
87	10	HDR unbiased	90.93	90.867	-0.0629
94	30	HDR unbiased	92.546	92.42	-0.1259
95	30	HDR unbiased	91.203	91.455	0.2519
97	30	HDR unbiased	91.644	91.644	0
98	30	HDR unbiased	90.93	91.14	0.2099
99	30	HDR unbiased	90.888	90.888	0
105	50	HDR unbiased	91.854	92.357	0.5037
107	50	HDR unbiased	91.413	91.308	-0.1049
108	50	HDR unbiased	91.329	91.413	0.084
109	50	HDR unbiased	91.224	91.287	0.063
110	50	HDR unbiased	91.623	91.434	-0.1888
121	100	HDR biased	91.322	91.658	0.3358
123	100	HDR biased	91.511	91.658	0.147
124	100	HDR biased	91.763	91.385	-0.3778
125	100	HDR biased	91.07	90.797	-0.2728
126	100	HDR biased	91.385	91.175	-0.2098
127	50	HDR biased	91.133	91.07	-0.063
128	50	HDR biased	91.322	91.385	0.0629
129	50	HDR biased	91.595	91.322	-0.2728
130	50	HDR biased	91.196	91.448	0.2519
132	50	HDR biased	91.301	91.259	-0.042
149	100	HDR unbiased	91.119	91.203	0.0839
150	100	HDR unbiased	91.476	91.497	0.021
151	100	HDR unbiased	91.434	91.56	0.1259
152	100	HDR unbiased	91.581	91.371	-0.2099
153	100	HDR unbiased	91.518	91.77	0.2518
164	30	HDR biased	91.805	91.994	0.1889
165	30	HDR biased	90.944	91.007	0.063
166	30	HDR biased	91.196	90.86	-0.3357
168	30	HDR biased	91.007	91.007	0
169	30	HDR biased	91.469	91.49	0.0209
170	10	HDR biased	90.944	90.902	-0.042
171	10	HDR biased	91.994	92.141	0.1469
172	10	HDR biased	91.007	90.86	-0.1469
173	10	HDR biased	91.7	91.721	0.021
174	10	HDR biased	91.196	91.154	-0.0419
175	3	HDR biased	90.797	90.755	-0.042
176	3	HDR biased	91.259	91.196	-0.063
178	3	HDR biased	90.902	90.86	-0.0419
179	3	HDR biased	90.965	90.797	-0.1679
180	3	HDR biased	90.944	90.923	-0.021
187	0	correlation	91.644	91.658	0.0142
188	0	correlation	92.043	92.015	-0.0279
189	0	correlation	91.812	91.763	-0.0488
190	0	correlation	91.329	91.343	0.0141
191	0	correlation	91.665	91.679	0.0141
192	0	correlation	91.077	91.007	-0.0698
193	0	correlation	91.917	91.931	0.0141



Test Statistics (%)

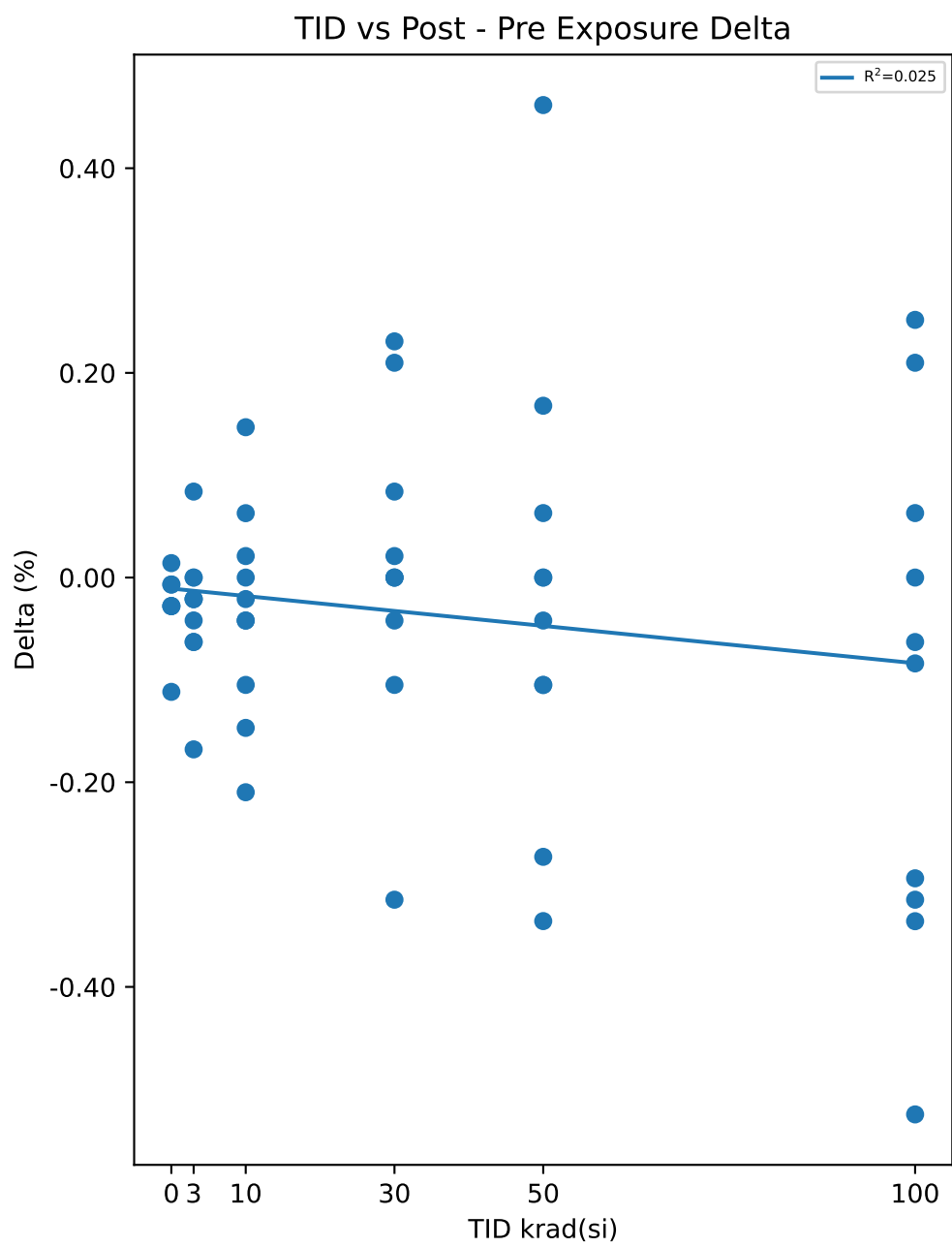
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	91.077	91.641	92.043	0.3372	91.007	91.628	92.015	0.34862	-0.0698	-0.012857	0.0142	0.03576
3	90.797	91.139	91.791	0.3083	90.755	91.088	91.728	0.31458	-0.1679	-0.05036	0	0.04966
10	90.804	91.239	91.994	0.37019	90.741	91.235	92.141	0.4368	-0.1469	-0.00419	0.1469	0.095304
30	90.888	91.363	92.546	0.52206	90.86	91.391	92.42	0.51552	-0.3357	0.0273	0.2519	0.17279
50	91.133	91.399	91.854	0.22562	91.07	91.428	92.357	0.3445	-0.2728	0.0294	0.5037	0.22368
100	91.07	91.418	91.763	0.20768	90.797	91.407	91.77	0.29012	-0.3778	-0.01049	0.3358	0.24158

Device Test: 14.7 VPG_RISE(THRESHOLD|RISE/FB/5/0.6//10//@VPG_RISE)



Test Results (Lower Limit = 93.0, Upper Limit = 97.0 (%))

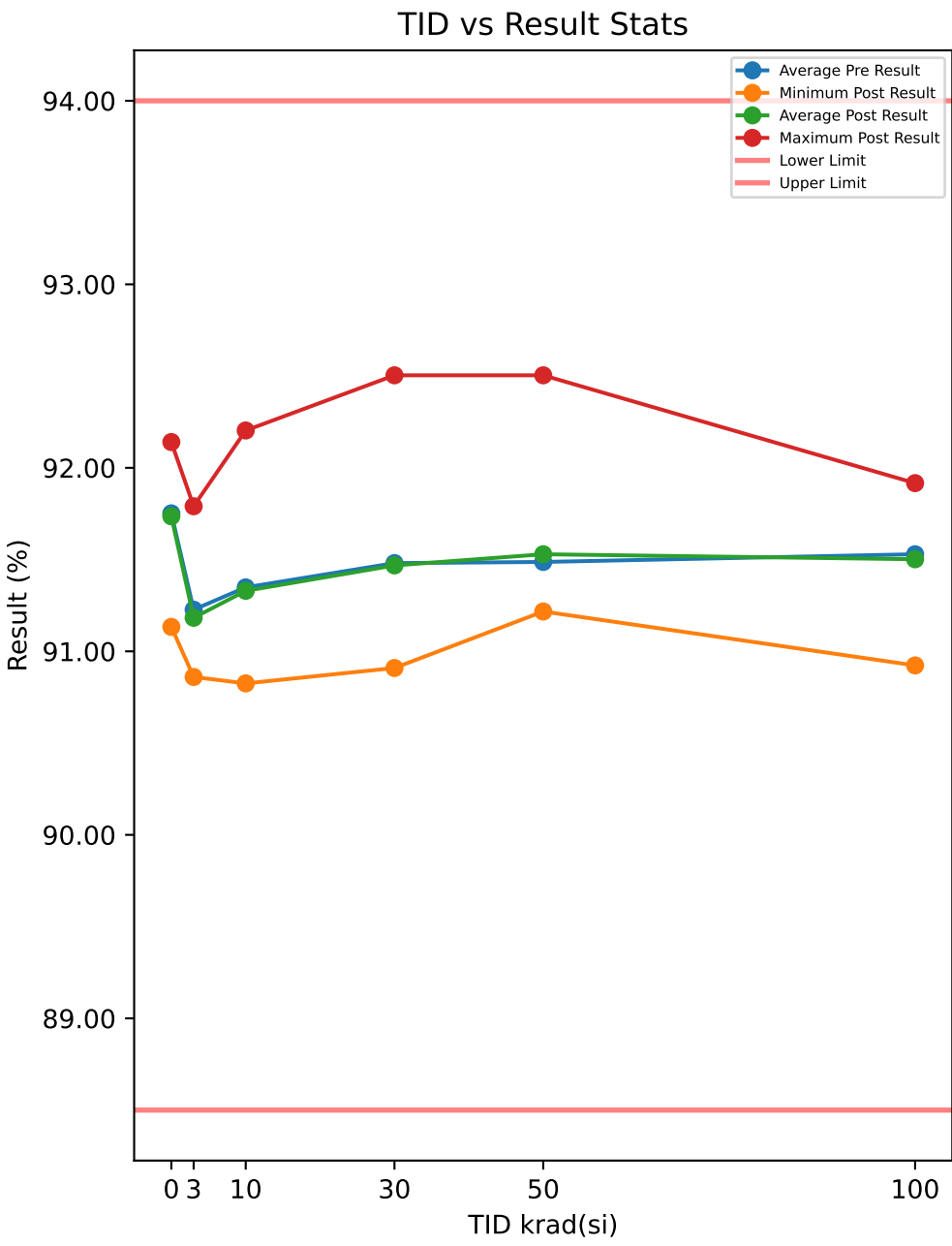
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	94.855	94.834	-0.021
55	3	HDR unbiased	94.729	94.708	-0.021
57	3	HDR unbiased	95.148	95.148	0
58	3	HDR unbiased	95.568	95.505	-0.0629
59	3	HDR unbiased	95.085	95.169	0.084
82	10	HDR unbiased	95.064	95.043	-0.021
83	10	HDR unbiased	95.148	95.169	0.021
84	10	HDR unbiased	95.043	95.106	0.0629
85	10	HDR unbiased	94.561	94.519	-0.042
87	10	HDR unbiased	94.792	94.645	-0.1469
94	30	HDR unbiased	96.324	96.219	-0.1049
95	30	HDR unbiased	95.001	95.232	0.2308
97	30	HDR unbiased	95.379	95.379	0
98	30	HDR unbiased	94.792	95.001	0.2099
99	30	HDR unbiased	94.708	94.666	-0.042
105	50	HDR unbiased	95.652	96.114	0.4617
107	50	HDR unbiased	95.148	95.106	-0.042
108	50	HDR unbiased	95.127	95.127	0
109	50	HDR unbiased	94.981	95.043	0.063
110	50	HDR unbiased	95.484	95.211	-0.2729
121	100	HDR biased	95.079	95.33	0.2518
123	100	HDR biased	95.351	95.351	0
124	100	HDR biased	95.645	95.121	-0.5246
125	100	HDR biased	94.848	94.533	-0.3148
126	100	HDR biased	95.246	94.911	-0.3358
127	50	HDR biased	94.932	94.827	-0.105
128	50	HDR biased	95.162	95.162	0
129	50	HDR biased	95.456	95.121	-0.3357
130	50	HDR biased	95.016	95.183	0.1679
132	50	HDR biased	95.162	95.058	-0.1049
149	100	HDR unbiased	95.001	94.918	-0.0839
150	100	HDR unbiased	95.295	95.232	-0.063
151	100	HDR unbiased	95.232	95.295	0.063
152	100	HDR unbiased	95.379	95.085	-0.2939
153	100	HDR unbiased	95.274	95.484	0.2099
164	30	HDR biased	95.624	95.708	0.084
165	30	HDR biased	94.785	94.785	0
166	30	HDR biased	95.037	94.722	-0.3148
168	30	HDR biased	94.785	94.785	0
169	30	HDR biased	95.204	95.225	0.021
170	10	HDR biased	94.743	94.638	-0.1049
171	10	HDR biased	95.792	95.939	0.1469
172	10	HDR biased	94.869	94.659	-0.2098
173	10	HDR biased	95.54	95.54	0
174	10	HDR biased	95.037	94.995	-0.042
175	3	HDR biased	94.575	94.554	-0.021
176	3	HDR biased	95.1	95.037	-0.063
178	3	HDR biased	94.701	94.659	-0.0419
179	3	HDR biased	94.743	94.575	-0.1679
180	3	HDR biased	94.701	94.701	0
187	0	correlation	95.421	95.414	-0.0068
188	0	correlation	95.883	95.876	-0.0068
189	0	correlation	95.652	95.624	-0.0279
190	0	correlation	95.19	95.162	-0.0279
191	0	correlation	95.526	95.414	-0.1117
192	0	correlation	94.834	94.848	0.0141
193	0	correlation	95.694	95.666	-0.0278



Test Statistics (%)

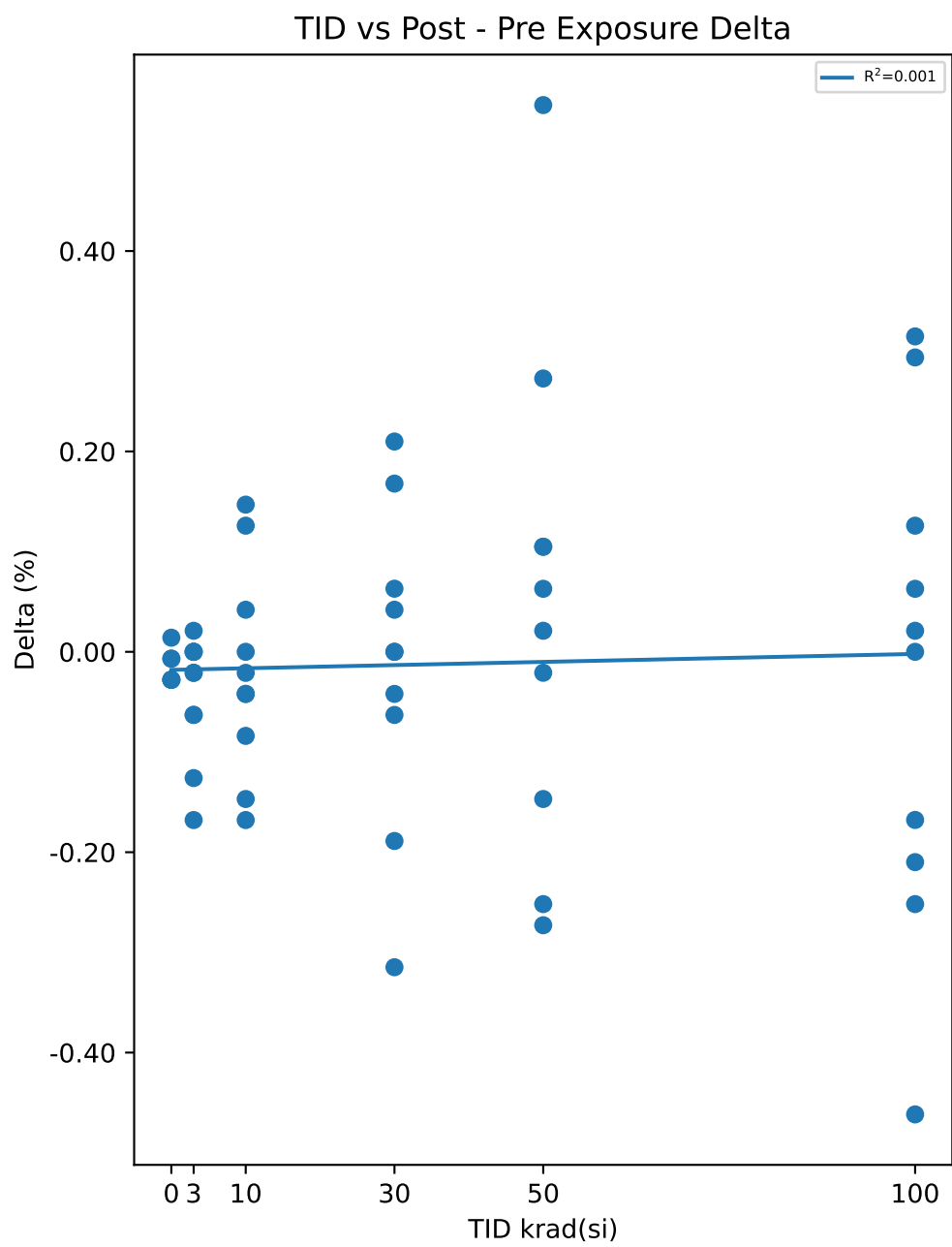
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	94.834	95.457	95.883	0.35152	94.848	95.429	95.876	0.34245	-0.1117	-0.027829	0.0141	0.04016
3	94.575	94.92	95.568	0.30171	94.554	94.889	95.505	0.31317	-0.1679	-0.03147	0.084	0.063549
10	94.561	95.059	95.792	0.37025	94.519	95.025	95.939	0.449	-0.2098	-0.03358	0.1469	0.10289
30	94.708	95.164	96.324	0.50349	94.666	95.172	96.219	0.49671	-0.3148	0.0084	0.2308	0.15491
50	94.932	95.212	95.652	0.23905	94.827	95.195	96.114	0.34011	-0.3357	-0.01679	0.4617	0.22447
100	94.848	95.235	95.645	0.22034	94.533	95.126	95.484	0.2797	-0.5246	-0.10913	0.2518	0.25316

Device Test: 14.8 VPG_FALL(THRESHOLD|FALL/FB/5/0.6//10//@VPG_FALL)



Test Results (Lower Limit = 88.5, Upper Limit = 94.0 (%))

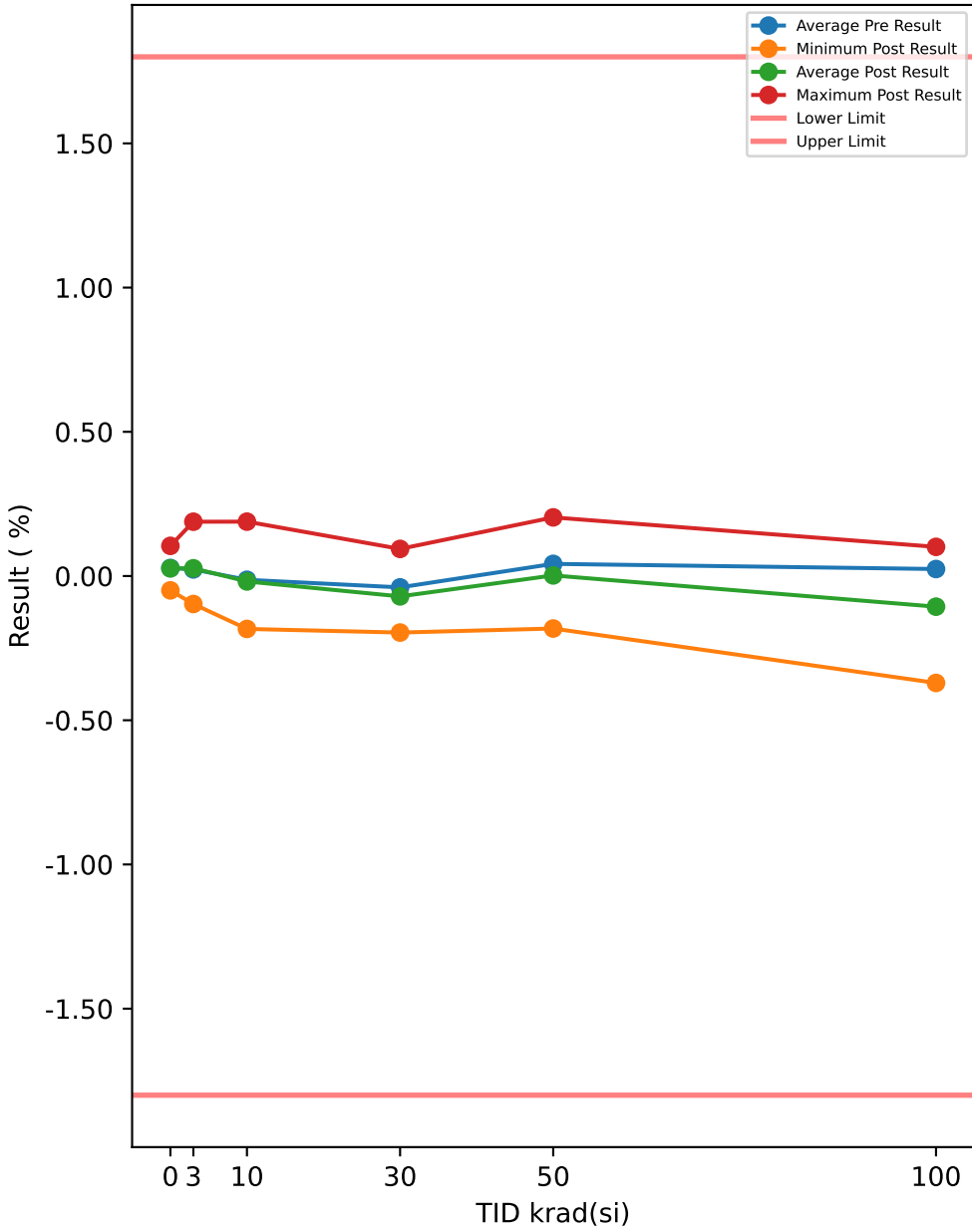
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	91.14	91.14	0
55	3	HDR unbiased	90.993	90.972	-0.021
57	3	HDR unbiased	91.476	91.455	-0.0209
58	3	HDR unbiased	91.917	91.791	-0.126
59	3	HDR unbiased	91.455	91.455	0
82	10	HDR unbiased	91.329	91.371	0.042
83	10	HDR unbiased	91.518	91.476	-0.042
84	10	HDR unbiased	91.308	91.455	0.1469
85	10	HDR unbiased	90.867	90.825	-0.042
87	10	HDR unbiased	91.077	90.93	-0.1469
94	30	HDR unbiased	92.693	92.504	-0.1888
95	30	HDR unbiased	91.35	91.56	0.2099
97	30	HDR unbiased	91.728	91.728	0
98	30	HDR unbiased	91.077	91.245	0.1679
99	30	HDR unbiased	90.972	90.909	-0.063
105	50	HDR unbiased	91.959	92.504	0.5457
107	50	HDR unbiased	91.476	91.455	-0.0209
108	50	HDR unbiased	91.371	91.476	0.1049
109	50	HDR unbiased	91.266	91.371	0.1049
110	50	HDR unbiased	91.791	91.539	-0.2518
121	100	HDR biased	91.406	91.7	0.2938
123	100	HDR biased	91.679	91.7	0.021
124	100	HDR biased	91.91	91.448	-0.4617
125	100	HDR biased	91.133	90.923	-0.2099
126	100	HDR biased	91.49	91.322	-0.1678
127	50	HDR biased	91.196	91.217	0.021
128	50	HDR biased	91.448	91.511	0.0629
129	50	HDR biased	91.658	91.385	-0.2729
130	50	HDR biased	91.259	91.532	0.2728
132	50	HDR biased	91.448	91.301	-0.1469
149	100	HDR unbiased	91.266	91.329	0.0629
150	100	HDR unbiased	91.581	91.581	0
151	100	HDR unbiased	91.518	91.644	0.1259
152	100	HDR unbiased	91.707	91.455	-0.2518
153	100	HDR unbiased	91.602	91.917	0.3148
164	30	HDR biased	91.973	92.015	0.042
165	30	HDR biased	91.07	91.07	0
166	30	HDR biased	91.322	91.007	-0.3148
168	30	HDR biased	91.112	91.07	-0.042
169	30	HDR biased	91.511	91.574	0.063
170	10	HDR biased	91.007	91.007	0
171	10	HDR biased	92.078	92.204	0.1259
172	10	HDR biased	91.112	90.944	-0.1679
173	10	HDR biased	91.847	91.826	-0.021
174	10	HDR biased	91.343	91.259	-0.0839
175	3	HDR biased	90.86	90.86	0
176	3	HDR biased	91.385	91.322	-0.0629
178	3	HDR biased	91.007	90.944	-0.063
179	3	HDR biased	91.028	90.86	-0.1679
180	3	HDR biased	91.007	91.028	0.021
187	0	correlation	91.749	91.721	-0.0279
188	0	correlation	92.168	92.141	-0.0279
189	0	correlation	91.938	91.91	-0.0278
190	0	correlation	91.455	91.448	-0.0069
191	0	correlation	91.77	91.763	-0.0068
192	0	correlation	91.161	91.133	-0.0279
193	0	correlation	92.022	92.036	0.0141



Test Statistics (%)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	91.161	91.752	92.168	0.34597	91.133	91.736	92.141	0.349	-0.0279	-0.015871	0.0141	0.01652
3	90.86	91.227	91.917	0.32438	90.86	91.183	91.791	0.31122	-0.1679	-0.04407	0.021	0.061363
10	90.867	91.349	92.078	0.3783	90.825	91.33	92.204	0.43713	-0.1679	-0.01889	0.1469	0.1035
30	90.972	91.481	92.693	0.53141	90.909	91.468	92.504	0.51102	-0.3148	-0.01258	0.2099	0.15523
50	91.196	91.487	91.959	0.24625	91.217	91.529	92.504	0.35819	-0.2729	0.04197	0.5457	0.24515
100	91.133	91.529	91.91	0.22349	90.923	91.502	91.917	0.27463	-0.4617	-0.02728	0.3148	0.24653

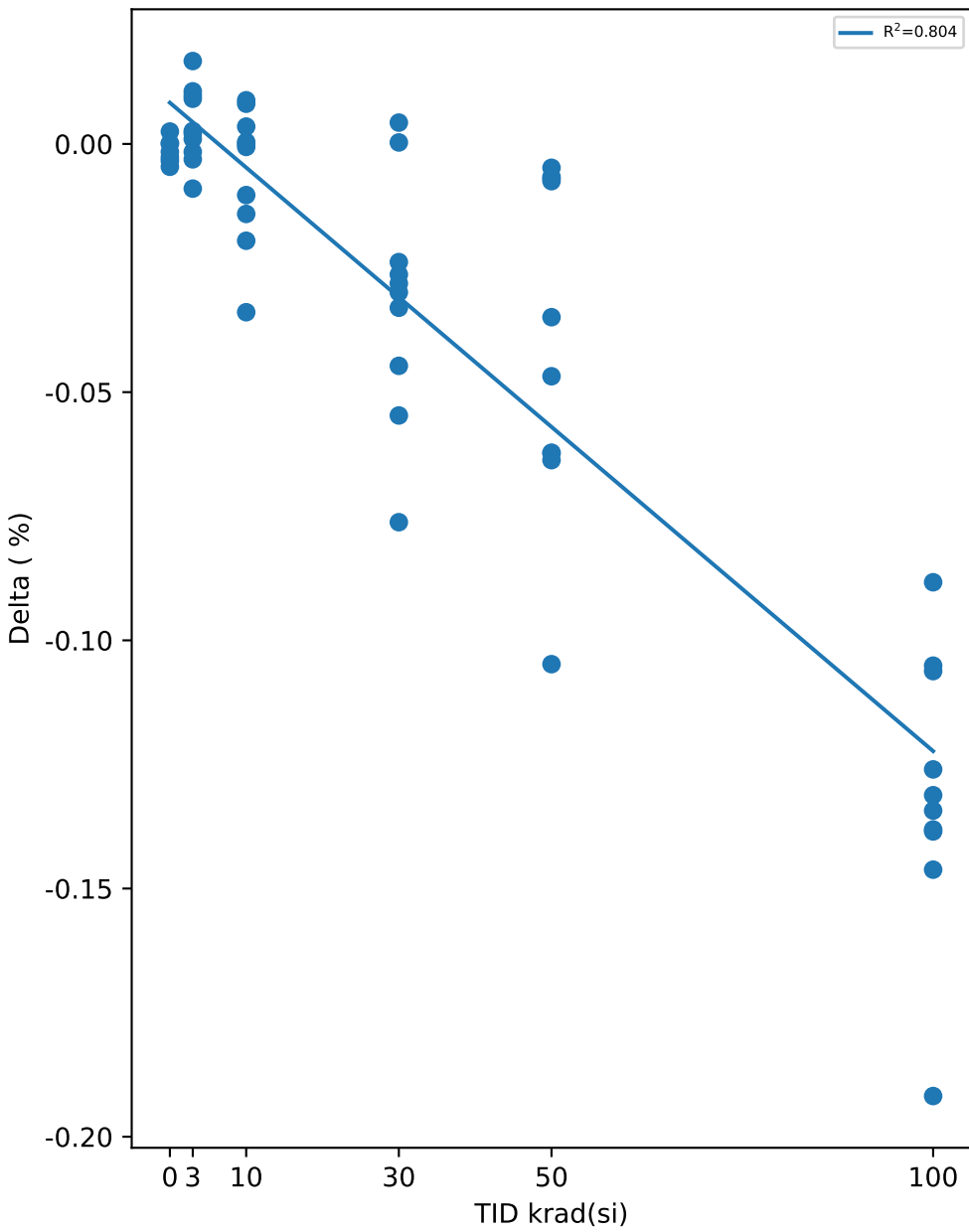
TID vs Result Stats



Test Results (Lower Limit = -1.8, Upper Limit = 1.8 (%))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	-0.0019	-0.0009	0.001
55	3	HDR unbiased	-0.0435	-0.0451	-0.0016
57	3	HDR unbiased	0.0731	0.0898	0.0167
58	3	HDR unbiased	-0.0528	-0.0422	0.0106
59	3	HDR unbiased	-0.0939	-0.097	-0.0031
82	10	HDR unbiased	0.05	0.0588	0.0088
83	10	HDR unbiased	0.175	0.175	0
84	10	HDR unbiased	-0.1027	-0.113	-0.0103
85	10	HDR unbiased	-0.129	-0.1431	-0.0141
87	10	HDR unbiased	-0.0517	-0.0513	0.0004
94	30	HDR unbiased	0.1203	0.094	-0.0263
95	30	HDR unbiased	-0.1711	-0.1708	0.0003
97	30	HDR unbiased	0.0322	-0.0008	-0.033
98	30	HDR unbiased	-0.1555	-0.1793	-0.0238
99	30	HDR unbiased	-0.0807	-0.1088	-0.0281
105	50	HDR unbiased	0.0168	-0.0181	-0.0349
107	50	HDR unbiased	0.2229	0.1181	-0.1048
108	50	HDR unbiased	0.0304	-0.0164	-0.0468
109	50	HDR unbiased	0.2656	0.2033	-0.0623
110	50	HDR unbiased	0.0686	0.0049	-0.0637
121	100	HDR biased	-0.0086	-0.0969	-0.0883
123	100	HDR biased	0.2354	0.1011	-0.1343
124	100	HDR biased	0.1198	0.0147	-0.1051
125	100	HDR biased	-0.1207	-0.2269	-0.1062
126	100	HDR biased	-0.1128	-0.2388	-0.126
127	50	HDR biased	-0.1228	-0.1298	-0.007
128	50	HDR biased	0.0817	0.0742	-0.0075
129	50	HDR biased	-0.1754	-0.182	-0.0066
130	50	HDR biased	0.095	0.0328	-0.0622
132	50	HDR biased	-0.0612	-0.066	-0.0048
149	100	HDR unbiased	0.1088	-0.0293	-0.1381
150	100	HDR unbiased	0.1698	0.0313	-0.1385
151	100	HDR unbiased	0.0562	-0.1356	-0.1918
152	100	HDR unbiased	0.0197	-0.1115	-0.1312
153	100	HDR unbiased	-0.2245	-0.3707	-0.1462
164	30	HDR biased	-0.0763	-0.072	0.0043
165	30	HDR biased	-0.1661	-0.196	-0.0299
166	30	HDR biased	0.0434	-0.0328	-0.0762
168	30	HDR biased	0.007	-0.0377	-0.0447
169	30	HDR biased	0.0535	-0.0012	-0.0547
170	10	HDR biased	0.0289	0.0283	-0.0006
171	10	HDR biased	0.0192	0.0273	0.0081
172	10	HDR biased	0.2224	0.1885	-0.0339
173	10	HDR biased	-0.1558	-0.1753	-0.0195
174	10	HDR biased	-0.1869	-0.1834	0.0035
175	3	HDR biased	-0.0479	-0.0381	0.0098
176	3	HDR biased	0.1077	0.0987	-0.009
178	3	HDR biased	0.0437	0.0458	0.0021
179	3	HDR biased	0.0657	0.0683	0.0026
180	3	HDR biased	0.1792	0.1883	0.0091
187	0	correlation	-0.0498	-0.0497	0.0001
188	0	correlation	-0.035	-0.0325	0.0025
189	0	correlation	0.0861	0.0834	-0.0027
190	0	correlation	0.0822	0.0823	0.0001
191	0	correlation	0.1092	0.1046	-0.0046
192	0	correlation	0.0482	0.0448	-0.0034
193	0	correlation	-0.0457	-0.0473	-0.0016

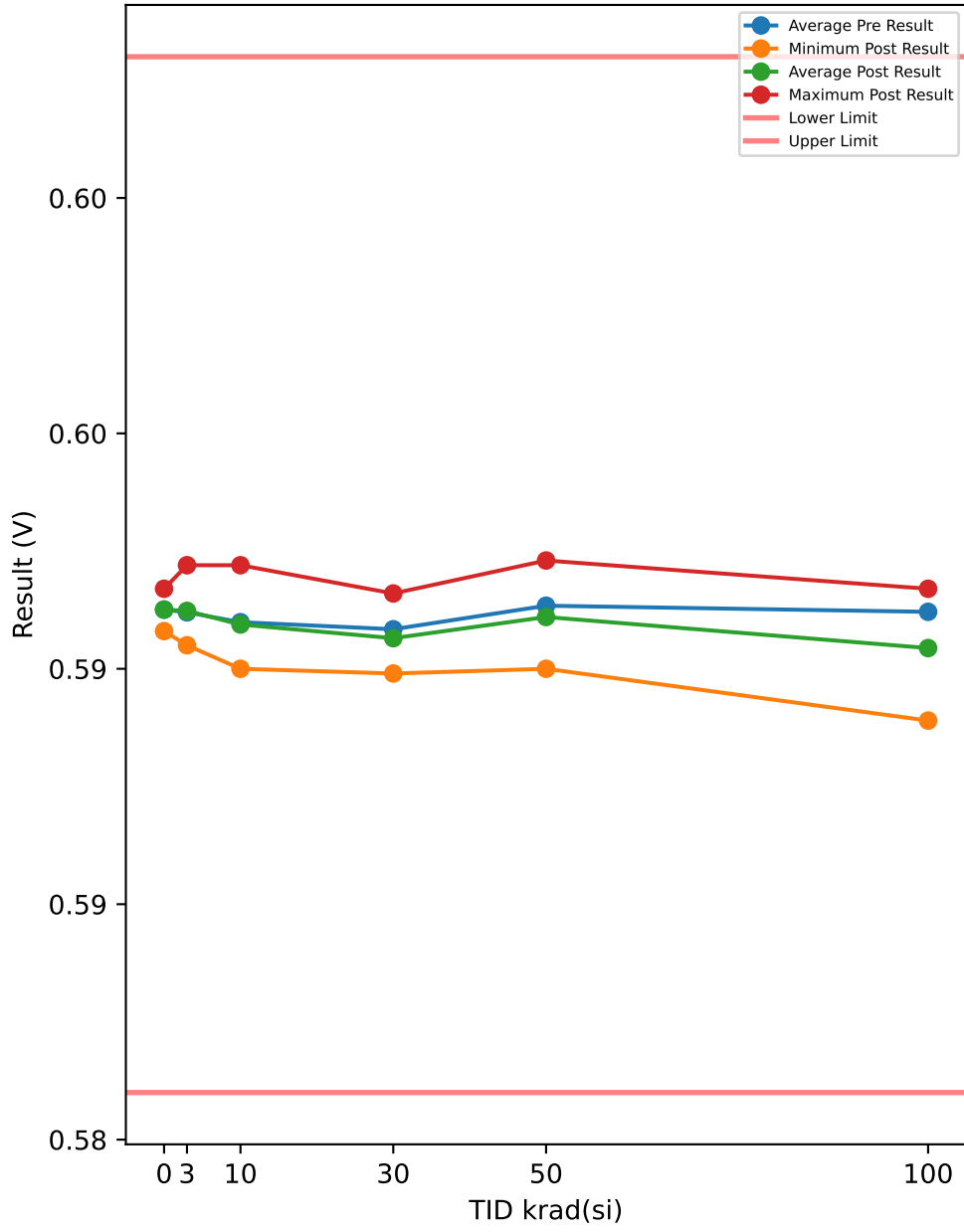
TID vs Post - Pre Exposure Delta



Test Statistics (%)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	-0.0498	0.027886	0.1092	0.069244	-0.0497	0.026514	0.1046	0.067724	-0.0046	-0.0013714	0.0025	0.0024384
3	-0.0939	0.02294	0.1792	0.085515	-0.097	0.02676	0.1883	0.086628	-0.009	0.00382	0.0167	0.0076704
10	-0.1869	-0.01306	0.2224	0.1379	-0.1834	-0.01882	0.1885	0.13657	-0.0339	-0.00576	0.0088	0.013575
30	-0.1711	-0.03933	0.1203	0.10446	-0.196	-0.07054	0.094	0.093295	-0.0762	-0.03121	0.0043	0.023817
50	-0.1754	0.04216	0.2656	0.13891	-0.182	0.0021	0.2033	0.1139	-0.1048	-0.04006	-0.0048	0.033867
100	-0.2245	0.02431	0.2354	0.1437	-0.3707	-0.10626	0.1011	0.14357	-0.1918	-0.13057	-0.0883	0.02824

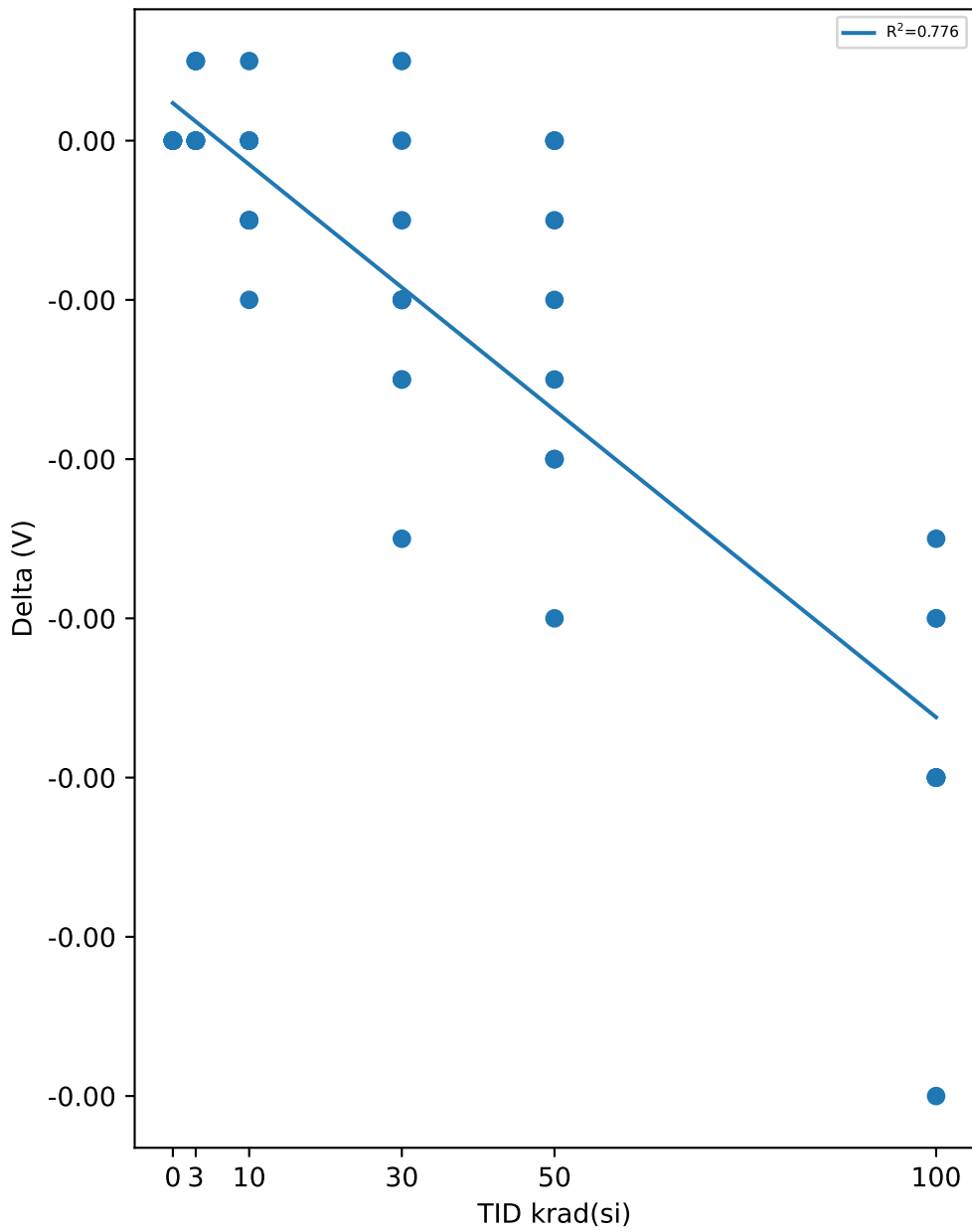
TID vs Result Stats



Test Results (Lower Limit = 0.586, Upper Limit = 0.608 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.5961	0.5961	0
55	3	HDR unbiased	0.5958	0.5958	0
57	3	HDR unbiased	0.5965	0.5966	0.0001
58	3	HDR unbiased	0.5957	0.5958	0.0001
59	3	HDR unbiased	0.5955	0.5955	0
82	10	HDR unbiased	0.5964	0.5964	0
83	10	HDR unbiased	0.5971	0.5971	0
84	10	HDR unbiased	0.5954	0.5954	0
85	10	HDR unbiased	0.5953	0.5952	-0.0001
87	10	HDR unbiased	0.5958	0.5957	-0.0001
94	30	HDR unbiased	0.5968	0.5966	-0.0002
95	30	HDR unbiased	0.595	0.5951	0.0001
97	30	HDR unbiased	0.5963	0.5961	-0.0002
98	30	HDR unbiased	0.5951	0.595	-0.0001
99	30	HDR unbiased	0.5956	0.5954	-0.0002
105	50	HDR unbiased	0.5962	0.596	-0.0002
107	50	HDR unbiased	0.5974	0.5968	-0.0006
108	50	HDR unbiased	0.5963	0.596	-0.0003
109	50	HDR unbiased	0.5977	0.5973	-0.0004
110	50	HDR unbiased	0.5965	0.5961	-0.0004
121	100	HDR biased	0.596	0.5955	-0.0005
123	100	HDR biased	0.5975	0.5967	-0.0008
124	100	HDR biased	0.5968	0.5962	-0.0006
125	100	HDR biased	0.5953	0.5947	-0.0006
126	100	HDR biased	0.5954	0.5946	-0.0008
127	50	HDR biased	0.5953	0.5953	0
128	50	HDR biased	0.5966	0.5965	-0.0001
129	50	HDR biased	0.595	0.595	0
130	50	HDR biased	0.5967	0.5963	-0.0004
132	50	HDR biased	0.5957	0.5957	0
149	100	HDR unbiased	0.5967	0.5959	-0.0008
150	100	HDR unbiased	0.5971	0.5963	-0.0008
151	100	HDR unbiased	0.5964	0.5952	-0.0012
152	100	HDR unbiased	0.5962	0.5954	-0.0008
153	100	HDR unbiased	0.5947	0.5939	-0.0008
164	30	HDR biased	0.5956	0.5956	0
165	30	HDR biased	0.5951	0.5949	-0.0002
166	30	HDR biased	0.5964	0.5959	-0.0005
168	30	HDR biased	0.5961	0.5958	-0.0003
169	30	HDR biased	0.5964	0.5961	-0.0003
170	10	HDR biased	0.5963	0.5962	-0.0001
171	10	HDR biased	0.5962	0.5962	0
172	10	HDR biased	0.5974	0.5972	-0.0002
173	10	HDR biased	0.5951	0.595	-0.0001
174	10	HDR biased	0.5949	0.595	0.0001
175	3	HDR biased	0.5958	0.5958	0
176	3	HDR biased	0.5967	0.5967	0
178	3	HDR biased	0.5963	0.5963	0
179	3	HDR biased	0.5965	0.5965	0
180	3	HDR biased	0.5971	0.5972	0.0001
187	0	correlation	0.5958	0.5958	0
188	0	correlation	0.5959	0.5959	0
189	0	correlation	0.5966	0.5966	0
190	0	correlation	0.5966	0.5966	0
191	0	correlation	0.5967	0.5967	0
192	0	correlation	0.5964	0.5964	0
193	0	correlation	0.5958	0.5958	0

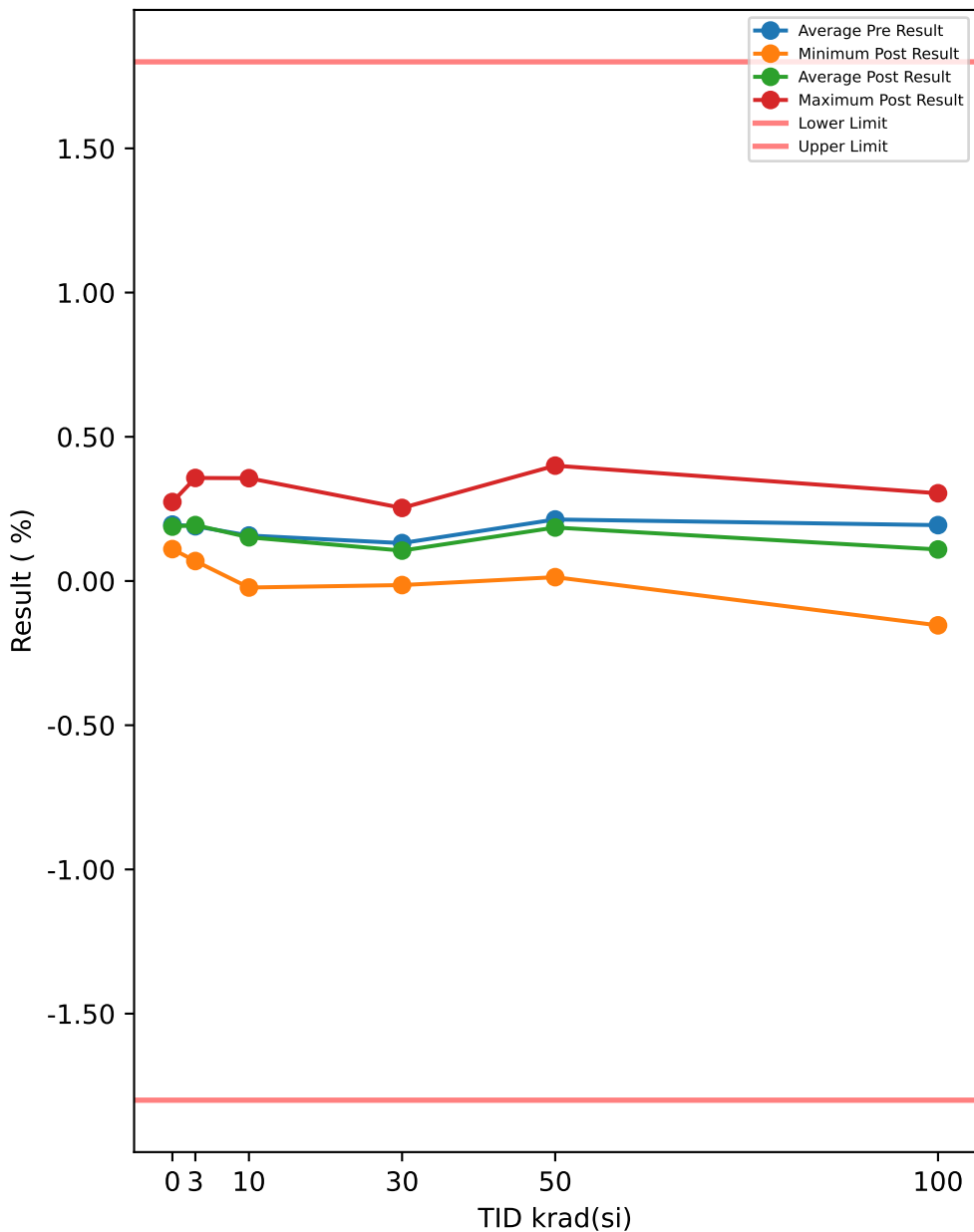
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5958	0.59626	0.5967	0.00040766	0.5958	0.59626	0.5967	0.00040766	0	0	0	0
3	0.5955	0.5962	0.5971	0.00050772	0.5955	0.59623	0.5972	0.00052504	0	3e-05	0.0001	4.8305e-05
10	0.5949	0.59599	0.5974	0.00084123	0.595	0.59594	0.5972	0.00081268	-0.0002	-5e-05	0.0001	8.4984e-05
30	0.595	0.59584	0.5968	0.00064498	0.5949	0.59565	0.5966	0.00055227	-0.0005	-0.00019	0.0001	0.00016633
50	0.595	0.59634	0.5977	0.0008501	0.595	0.5961	0.5973	0.00067987	-0.0006	-0.00024	0	0.00021187
100	0.5947	0.59621	0.5975	0.0008749	0.5939	0.59544	0.5967	0.00086948	-0.0012	-0.00077	-0.0005	0.00018886

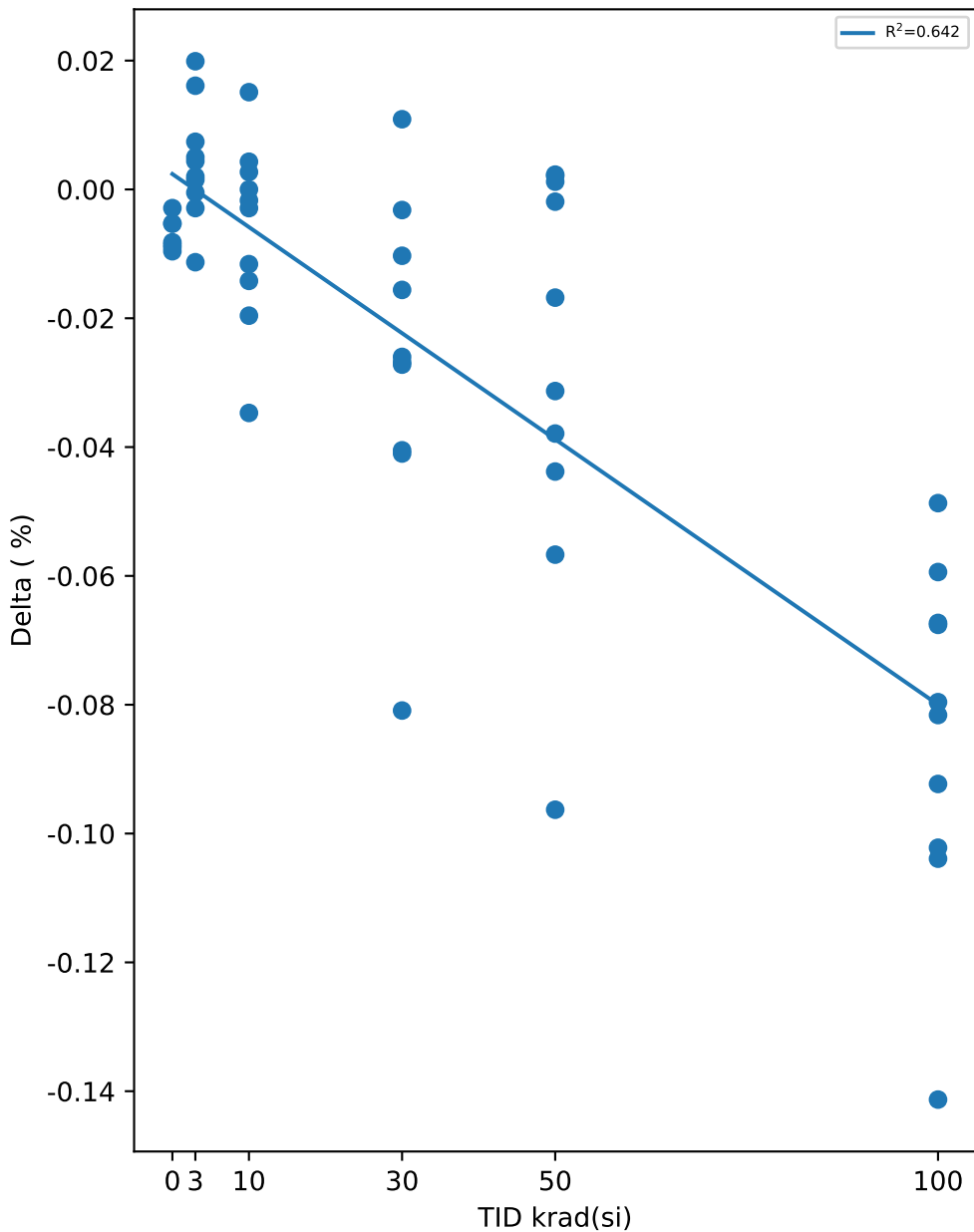
TID vs Result Stats



Test Results (Lower Limit = -1.8, Upper Limit = 1.8 (%))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.1688	0.1762	0.0074
55	3	HDR unbiased	0.1242	0.1262	0.002
57	3	HDR unbiased	0.2306	0.2467	0.0161
58	3	HDR unbiased	0.1159	0.1358	0.0199
59	3	HDR unbiased	0.0677	0.0692	0.0015
82	10	HDR unbiased	0.226	0.2411	0.0151
83	10	HDR unbiased	0.3522	0.3565	0.0043
84	10	HDR unbiased	0.0615	0.0586	-0.0029
85	10	HDR unbiased	0.0471	0.0329	-0.0142
87	10	HDR unbiased	0.1252	0.1252	0
94	30	HDR unbiased	0.2801	0.2533	-0.0268
95	30	HDR unbiased	-0.0032	0.0077	0.0109
97	30	HDR unbiased	0.2043	0.1771	-0.0272
98	30	HDR unbiased	0.0096	-0.0007	-0.0103
99	30	HDR unbiased	0.0918	0.0762	-0.0156
105	50	HDR unbiased	0.1882	0.1714	-0.0168
107	50	HDR unbiased	0.3994	0.3031	-0.0963
108	50	HDR unbiased	0.1928	0.1615	-0.0313
109	50	HDR unbiased	0.4379	0.4	-0.0379
110	50	HDR unbiased	0.2409	0.1971	-0.0438
121	100	HDR biased	0.1658	0.1171	-0.0487
123	100	HDR biased	0.3965	0.3042	-0.0923
124	100	HDR biased	0.3084	0.2411	-0.0673
125	100	HDR biased	0.0532	-0.0062	-0.0594
126	100	HDR biased	0.0573	-0.0223	-0.0796
127	50	HDR biased	0.0539	0.0562	0.0023
128	50	HDR biased	0.2511	0.2492	-0.0019
129	50	HDR biased	0.0112	0.0133	0.0021
130	50	HDR biased	0.2574	0.2007	-0.0567
132	50	HDR biased	0.1007	0.1019	0.0012
149	100	HDR unbiased	0.2691	0.2015	-0.0676
150	100	HDR unbiased	0.3335	0.2313	-0.1022
151	100	HDR unbiased	0.2162	0.0749	-0.1413
152	100	HDR unbiased	0.1869	0.1053	-0.0816
153	100	HDR unbiased	-0.0498	-0.1537	-0.1039
164	30	HDR biased	0.1053	0.1021	-0.0032
165	30	HDR biased	0.0119	-0.0141	-0.026
166	30	HDR biased	0.2243	0.1434	-0.0809
168	30	HDR biased	0.1645	0.1235	-0.041
169	30	HDR biased	0.2258	0.1853	-0.0405
170	10	HDR biased	0.2023	0.1907	-0.0116
171	10	HDR biased	0.1833	0.186	0.0027
172	10	HDR biased	0.3879	0.3532	-0.0347
173	10	HDR biased	0.0126	-0.007	-0.0196
174	10	HDR biased	-0.0209	-0.0226	-0.0017
175	3	HDR biased	0.1143	0.1193	0.005
176	3	HDR biased	0.2807	0.2694	-0.0113
178	3	HDR biased	0.215	0.2145	-0.0005
179	3	HDR biased	0.2267	0.2238	-0.0029
180	3	HDR biased	0.3529	0.3573	0.0044
187	0	correlation	0.1188	0.1106	-0.0082
188	0	correlation	0.1352	0.1323	-0.0029
189	0	correlation	0.2447	0.2394	-0.0053
190	0	correlation	0.2522	0.2432	-0.009
191	0	correlation	0.2825	0.2739	-0.0086
192	0	correlation	0.2145	0.2092	-0.0053
193	0	correlation	0.1211	0.1115	-0.0096

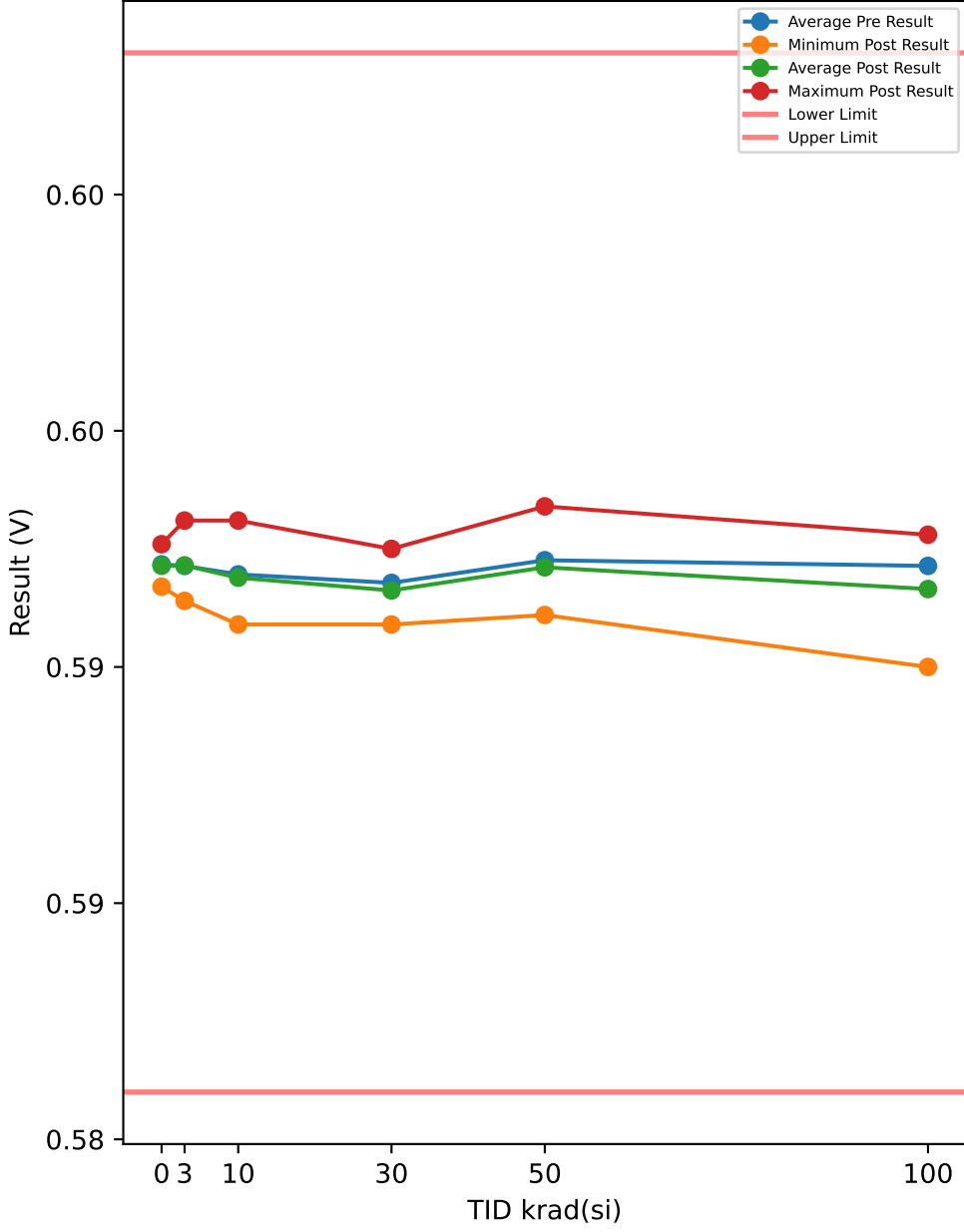
TID vs Post - Pre Exposure Delta



Test Statistics (%)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.1188	0.19557	0.2825	0.069065	0.1106	0.18859	0.2739	0.068872	-0.0096	-0.0069857	-0.0029	0.0024949
3	0.0677	0.18968	0.3529	0.087775	0.0692	0.19384	0.3573	0.085566	-0.0113	0.00416	0.0199	0.0089684
10	-0.0209	0.15772	0.3879	0.1389	-0.0226	0.15146	0.3565	0.13836	-0.0347	-0.00626	0.0151	0.014133
30	-0.0032	0.13144	0.2801	0.10303	-0.0141	0.10538	0.2533	0.088893	-0.0809	-0.02606	0.0109	0.025138
50	0.0112	0.21335	0.4379	0.13711	0.0133	0.18544	0.4	0.1147	-0.0963	-0.02791	0.0023	0.032198
100	-0.0498	0.19371	0.3965	0.14082	-0.1537	0.10932	0.3042	0.14135	-0.1413	-0.08439	-0.0487	0.026879

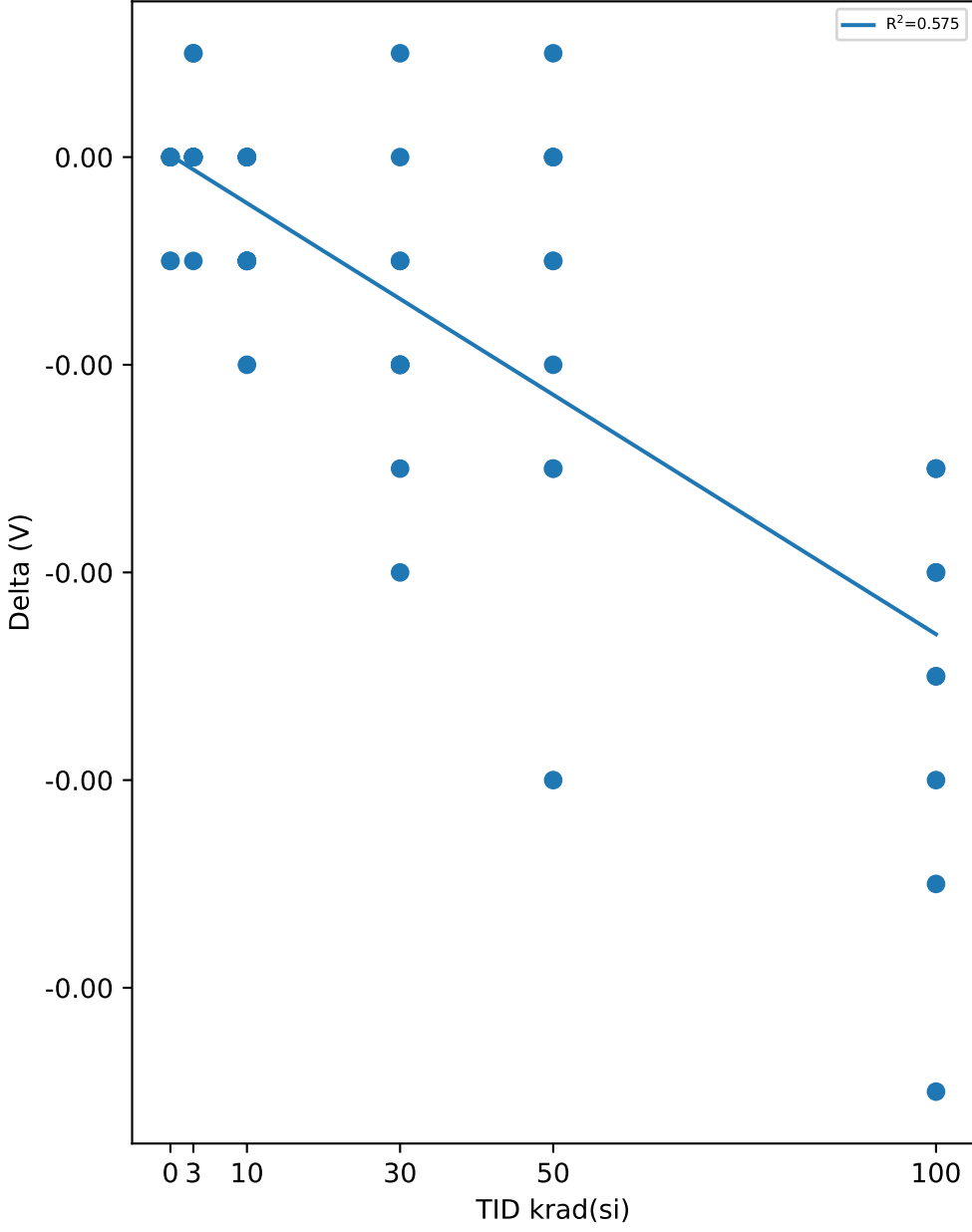
TID vs Result Stats



Test Results (Lower Limit = 0.586, Upper Limit = 0.608 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.597	0.597	0
55	3	HDR unbiased	0.5967	0.5967	0
57	3	HDR unbiased	0.5974	0.5975	0.0001
58	3	HDR unbiased	0.5967	0.5968	0.0001
59	3	HDR unbiased	0.5964	0.5964	0
82	10	HDR unbiased	0.5974	0.5974	0
83	10	HDR unbiased	0.5981	0.5981	0
84	10	HDR unbiased	0.5964	0.5963	-0.0001
85	10	HDR unbiased	0.5963	0.5962	-0.0001
87	10	HDR unbiased	0.5968	0.5967	-0.0001
94	30	HDR unbiased	0.5977	0.5975	-0.0002
95	30	HDR unbiased	0.596	0.5961	0.0001
97	30	HDR unbiased	0.5972	0.597	-0.0002
98	30	HDR unbiased	0.5961	0.596	-0.0001
99	30	HDR unbiased	0.5965	0.5964	-0.0001
105	50	HDR unbiased	0.5971	0.597	-0.0001
107	50	HDR unbiased	0.5984	0.5978	-0.0006
108	50	HDR unbiased	0.5971	0.597	-0.0001
109	50	HDR unbiased	0.5986	0.5984	-0.0002
110	50	HDR unbiased	0.5975	0.5972	-0.0003
121	100	HDR biased	0.597	0.5967	-0.0003
123	100	HDR biased	0.5983	0.5978	-0.0005
124	100	HDR biased	0.5978	0.5975	-0.0003
125	100	HDR biased	0.5963	0.596	-0.0003
126	100	HDR biased	0.5963	0.5959	-0.0004
127	50	HDR biased	0.5963	0.5963	0
128	50	HDR biased	0.5975	0.5975	0
129	50	HDR biased	0.596	0.5961	0.0001
130	50	HDR biased	0.5975	0.5972	-0.0003
132	50	HDR biased	0.5966	0.5966	0
149	100	HDR unbiased	0.5976	0.5972	-0.0004
150	100	HDR unbiased	0.598	0.5974	-0.0006
151	100	HDR unbiased	0.5973	0.5964	-0.0009
152	100	HDR unbiased	0.5971	0.5966	-0.0005
153	100	HDR unbiased	0.5957	0.595	-0.0007
164	30	HDR biased	0.5966	0.5966	0
165	30	HDR biased	0.5961	0.5959	-0.0002
166	30	HDR biased	0.5973	0.5969	-0.0004
168	30	HDR biased	0.597	0.5967	-0.0003
169	30	HDR biased	0.5973	0.5971	-0.0002
170	10	HDR biased	0.5972	0.5971	-0.0001
171	10	HDR biased	0.5971	0.5971	0
172	10	HDR biased	0.5983	0.5981	-0.0002
173	10	HDR biased	0.5961	0.596	-0.0001
174	10	HDR biased	0.5959	0.5959	0
175	3	HDR biased	0.5967	0.5967	0
176	3	HDR biased	0.5977	0.5976	-0.0001
178	3	HDR biased	0.5973	0.5973	0
179	3	HDR biased	0.5974	0.5974	0
180	3	HDR biased	0.5981	0.5981	0
187	0	correlation	0.5967	0.5967	0
188	0	correlation	0.5968	0.5968	0
189	0	correlation	0.5975	0.5975	0
190	0	correlation	0.5975	0.5975	0
191	0	correlation	0.5977	0.5976	-0.0001
192	0	correlation	0.5973	0.5972	-0.0001
193	0	correlation	0.5967	0.5967	0

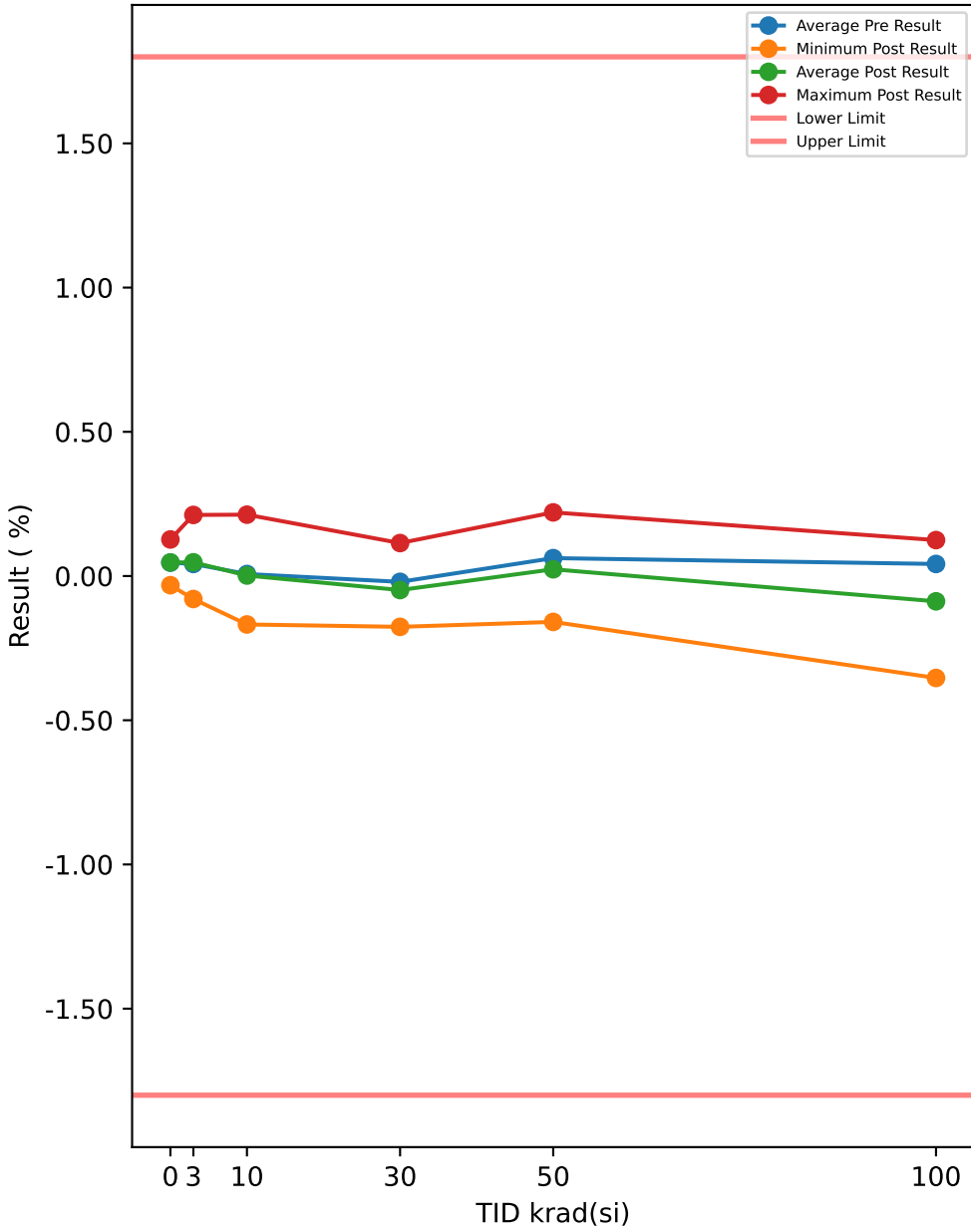
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5967	0.59717	0.5977	0.00042706	0.5967	0.59714	0.5976	0.00040356	-0.0001	-2.8571e-05	0	4.8795e-05
3	0.5964	0.59714	0.5981	0.00053166	0.5964	0.59715	0.5981	0.00051908	-0.0001	1e-05	0.0001	5.6765e-05
10	0.5959	0.59696	0.5983	0.00081677	0.5959	0.59689	0.5981	0.00081028	-0.0002	-7e-05	0	6.7495e-05
30	0.596	0.59678	0.5977	0.00060148	0.5959	0.59662	0.5975	0.00052239	-0.0004	-0.00016	0.0001	0.00014298
50	0.596	0.59726	0.5986	0.00083427	0.5961	0.59711	0.5984	0.00068872	-0.0006	-0.00015	0.0001	0.00020683
100	0.5957	0.59714	0.5983	0.00083427	0.595	0.59665	0.5978	0.00086185	-0.0009	-0.00049	-0.0003	0.00019692

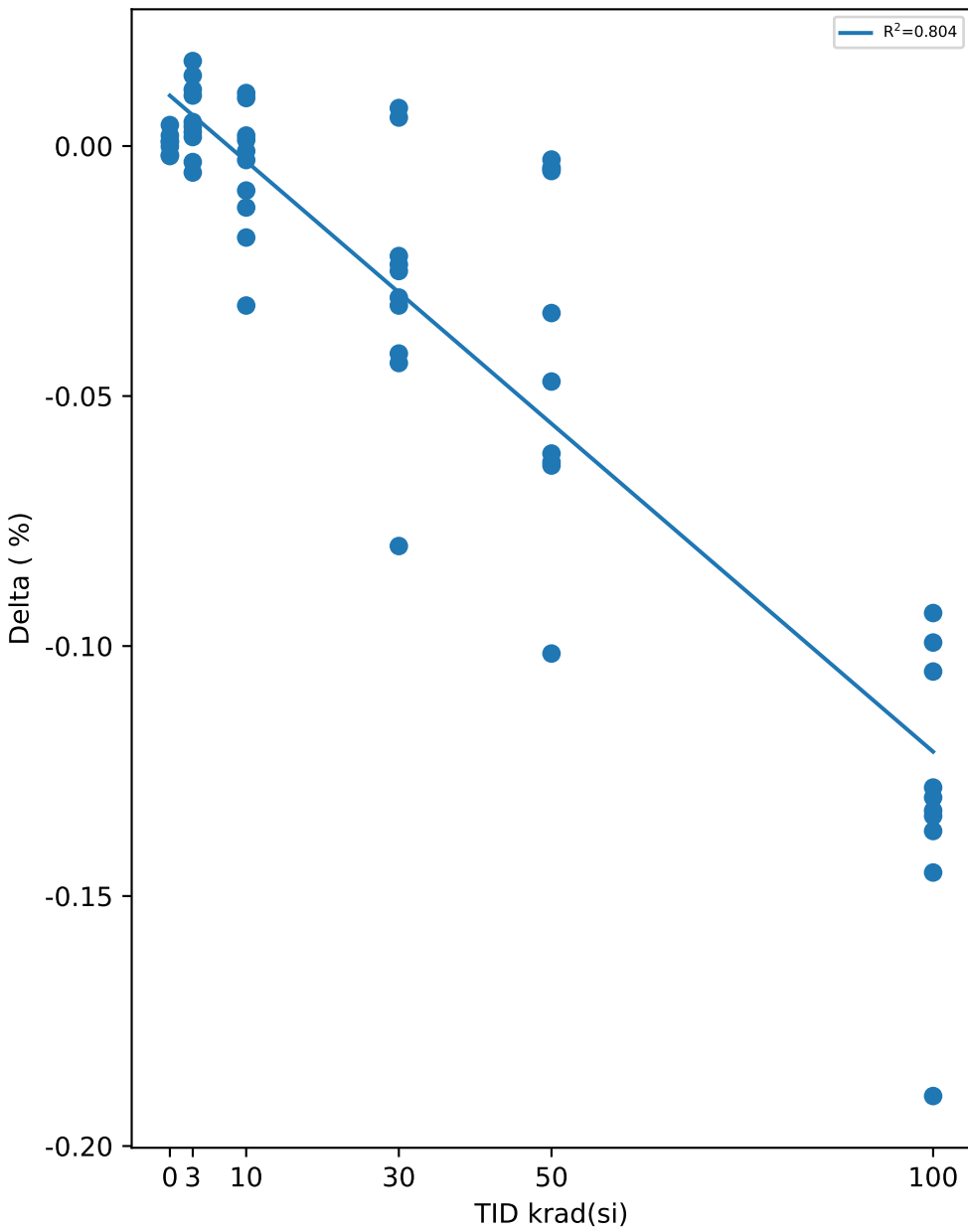
TID vs Result Stats



Test Results (Lower Limit = -1.8, Upper Limit = 1.8 (%))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.0165	0.0193	0.0028
55	3	HDR unbiased	-0.0236	-0.0218	0.0018
57	3	HDR unbiased	0.0921	0.1091	0.017
58	3	HDR unbiased	-0.0363	-0.0222	0.0141
59	3	HDR unbiased	-0.0764	-0.0796	-0.0032
82	10	HDR unbiased	0.0727	0.0833	0.0106
83	10	HDR unbiased	0.1962	0.1974	0.0012
84	10	HDR unbiased	-0.0869	-0.0958	-0.0089
85	10	HDR unbiased	-0.111	-0.1233	-0.0123
87	10	HDR unbiased	-0.0318	-0.0328	-0.001
94	30	HDR unbiased	0.138	0.1143	-0.0237
95	30	HDR unbiased	-0.1536	-0.146	0.0076
97	30	HDR unbiased	0.0549	0.0246	-0.0303
98	30	HDR unbiased	-0.1409	-0.1629	-0.022
99	30	HDR unbiased	-0.0647	-0.0897	-0.025
105	50	HDR unbiased	0.0369	0.0035	-0.0334
107	50	HDR unbiased	0.2461	0.1446	-0.1015
108	50	HDR unbiased	0.0496	0.0025	-0.0471
109	50	HDR unbiased	0.2845	0.2206	-0.0639
110	50	HDR unbiased	0.0854	0.0222	-0.0632
121	100	HDR biased	0.0108	-0.0826	-0.0934
123	100	HDR biased	0.2549	0.1246	-0.1303
124	100	HDR biased	0.1415	0.0364	-0.1051
125	100	HDR biased	-0.1074	-0.2067	-0.0993
126	100	HDR biased	-0.0979	-0.2262	-0.1283
127	50	HDR biased	-0.1059	-0.1105	-0.0046
128	50	HDR biased	0.1035	0.0992	-0.0043
129	50	HDR biased	-0.1541	-0.1591	-0.005
130	50	HDR biased	0.117	0.0555	-0.0615
132	50	HDR biased	-0.042	-0.0447	-0.0027
149	100	HDR unbiased	0.1245	-0.0125	-0.137
150	100	HDR unbiased	0.1876	0.0536	-0.134
151	100	HDR unbiased	0.0731	-0.1169	-0.19
152	100	HDR unbiased	0.0392	-0.0937	-0.1329
153	100	HDR unbiased	-0.2081	-0.3534	-0.1453
164	30	HDR biased	-0.0544	-0.0487	0.0057
165	30	HDR biased	-0.1443	-0.1762	-0.0319
166	30	HDR biased	0.0666	-0.0134	-0.08
168	30	HDR biased	0.0241	-0.0193	-0.0434
169	30	HDR biased	0.0725	0.031	-0.0415
170	10	HDR biased	0.0536	0.0508	-0.0028
171	10	HDR biased	0.0389	0.0485	0.0096
172	10	HDR biased	0.2446	0.2127	-0.0319
173	10	HDR biased	-0.1364	-0.1547	-0.0183
174	10	HDR biased	-0.17	-0.1679	0.0021
175	3	HDR biased	-0.0309	-0.0196	0.0113
176	3	HDR biased	0.1251	0.1198	-0.0053
178	3	HDR biased	0.0643	0.0682	0.0039
179	3	HDR biased	0.0857	0.0905	0.0048
180	3	HDR biased	0.2017	0.2118	0.0101
187	0	correlation	-0.0317	-0.0318	-0.0001
188	0	correlation	-0.0192	-0.015	0.0042
189	0	correlation	0.1029	0.105	0.0021
190	0	correlation	0.1029	0.1039	0.001
191	0	correlation	0.1288	0.1268	-0.002
192	0	correlation	0.0691	0.0699	0.0008
193	0	correlation	-0.0275	-0.0293	-0.0018

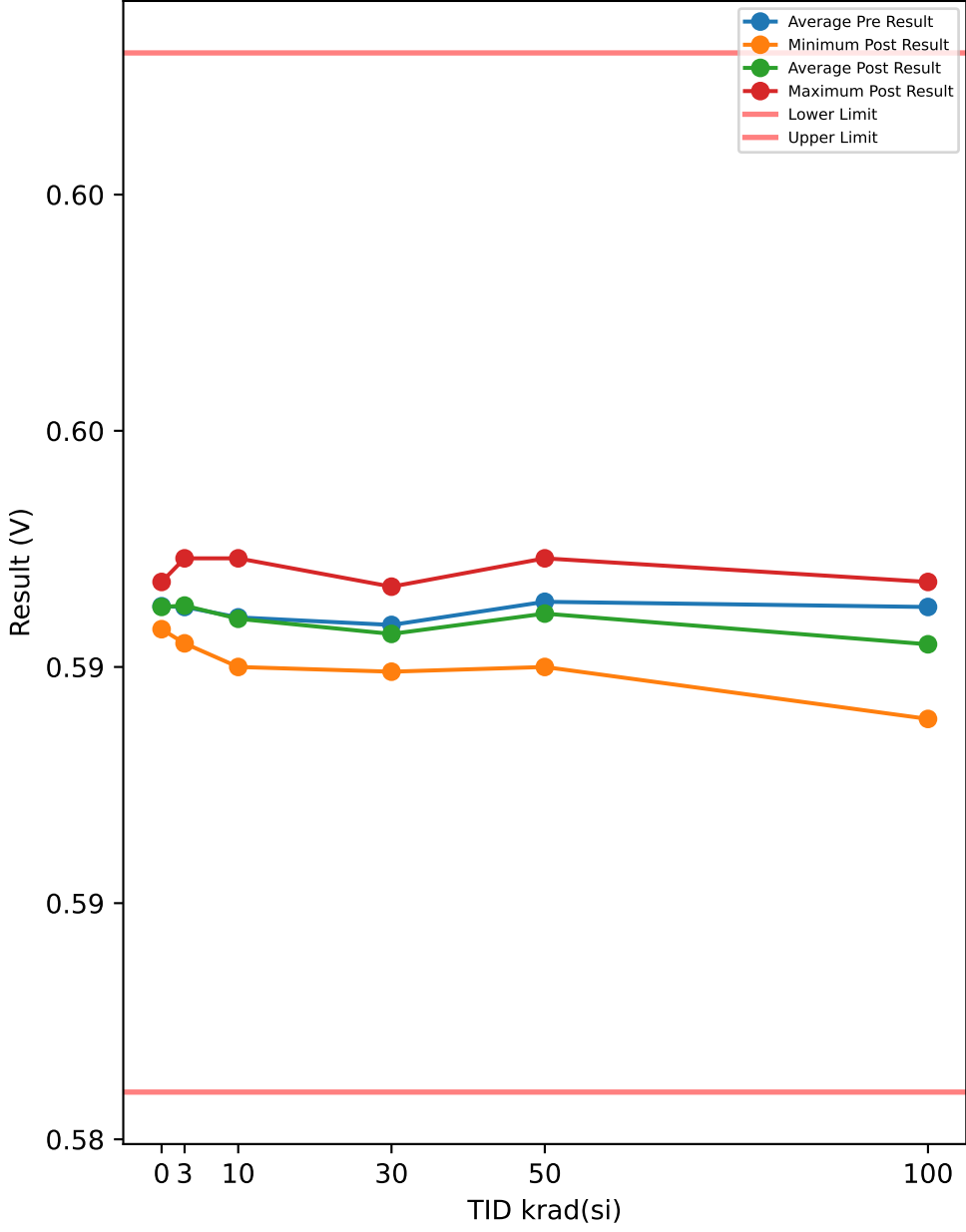
TID vs Post - Pre Exposure Delta



Test Statistics (%)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	-0.0317	0.046471	0.1288	0.070183	-0.0318	0.047071	0.1268	0.069963	-0.002	0.0006	0.0042	0.0021764
3	-0.0764	0.04182	0.2017	0.086759	-0.0796	0.04755	0.2118	0.087817	-0.0053	0.00573	0.017	0.0072789
10	-0.17	0.00699	0.2446	0.1398	-0.1679	0.00182	0.2127	0.13889	-0.0319	-0.00517	0.0106	0.013059
30	-0.1536	-0.02018	0.138	0.10524	-0.1762	-0.04863	0.1143	0.094781	-0.08	-0.02845	0.0076	0.024963
50	-0.1541	0.0621	0.2845	0.13952	-0.1591	0.02338	0.2206	0.11405	-0.1015	-0.03872	-0.0027	0.034279
100	-0.2081	0.04182	0.2549	0.14515	-0.3534	-0.08774	0.1246	0.14566	-0.19	-0.12956	-0.0934	0.027509

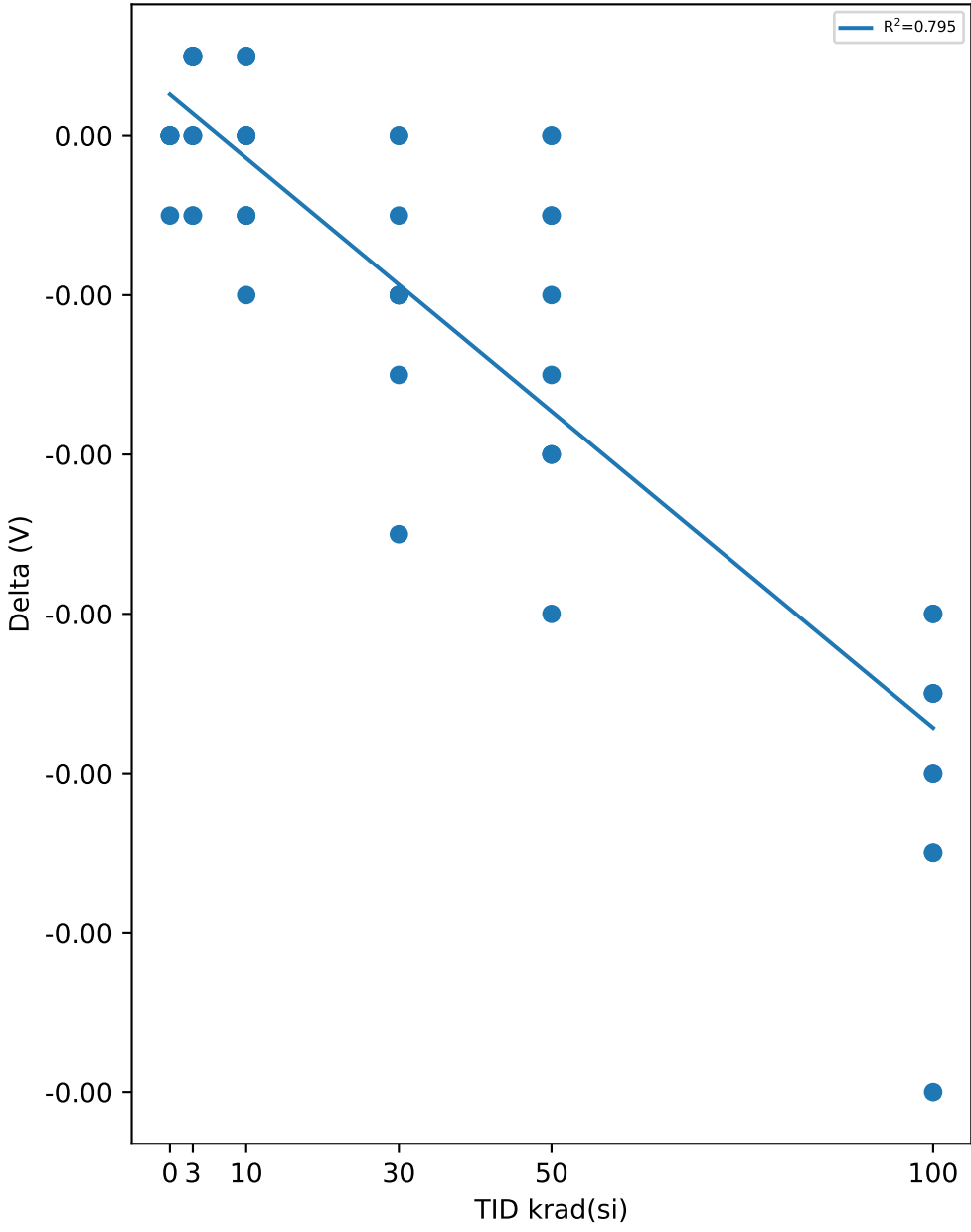
TID vs Result Stats



Test Results (Lower Limit = 0.586, Upper Limit = 0.608 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.5961	0.5961	0
55	3	HDR unbiased	0.5959	0.5959	0
57	3	HDR unbiased	0.5966	0.5967	0.0001
58	3	HDR unbiased	0.5958	0.5959	0.0001
59	3	HDR unbiased	0.5956	0.5955	-0.0001
82	10	HDR unbiased	0.5964	0.5965	0.0001
83	10	HDR unbiased	0.5972	0.5972	0
84	10	HDR unbiased	0.5955	0.5954	-0.0001
85	10	HDR unbiased	0.5954	0.5953	-0.0001
87	10	HDR unbiased	0.5958	0.5958	0
94	30	HDR unbiased	0.5969	0.5967	-0.0002
95	30	HDR unbiased	0.5951	0.5951	0
97	30	HDR unbiased	0.5964	0.5961	-0.0003
98	30	HDR unbiased	0.5952	0.595	-0.0002
99	30	HDR unbiased	0.5956	0.5955	-0.0001
105	50	HDR unbiased	0.5962	0.596	-0.0002
107	50	HDR unbiased	0.5975	0.5969	-0.0006
108	50	HDR unbiased	0.5963	0.596	-0.0003
109	50	HDR unbiased	0.5977	0.5973	-0.0004
110	50	HDR unbiased	0.5965	0.5961	-0.0004
121	100	HDR biased	0.5961	0.5955	-0.0006
123	100	HDR biased	0.5975	0.5968	-0.0007
124	100	HDR biased	0.5969	0.5962	-0.0007
125	100	HDR biased	0.5954	0.5948	-0.0006
126	100	HDR biased	0.5954	0.5947	-0.0007
127	50	HDR biased	0.5954	0.5954	0
128	50	HDR biased	0.5966	0.5966	0
129	50	HDR biased	0.5951	0.595	-0.0001
130	50	HDR biased	0.5967	0.5963	-0.0004
132	50	HDR biased	0.5958	0.5957	-0.0001
149	100	HDR unbiased	0.5968	0.5959	-0.0009
150	100	HDR unbiased	0.5971	0.5963	-0.0008
151	100	HDR unbiased	0.5965	0.5953	-0.0012
152	100	HDR unbiased	0.5962	0.5954	-0.0008
153	100	HDR unbiased	0.5948	0.5939	-0.0009
164	30	HDR biased	0.5957	0.5957	0
165	30	HDR biased	0.5951	0.5949	-0.0002
166	30	HDR biased	0.5964	0.5959	-0.0005
168	30	HDR biased	0.5961	0.5959	-0.0002
169	30	HDR biased	0.5964	0.5962	-0.0002
170	10	HDR biased	0.5963	0.5963	0
171	10	HDR biased	0.5962	0.5963	0.0001
172	10	HDR biased	0.5975	0.5973	-0.0002
173	10	HDR biased	0.5952	0.5951	-0.0001
174	10	HDR biased	0.595	0.595	0
175	3	HDR biased	0.5958	0.5959	0.0001
176	3	HDR biased	0.5968	0.5967	-0.0001
178	3	HDR biased	0.5964	0.5964	0
179	3	HDR biased	0.5965	0.5966	0.0001
180	3	HDR biased	0.5972	0.5973	0.0001
187	0	correlation	0.5958	0.5958	0
188	0	correlation	0.5959	0.5959	0
189	0	correlation	0.5966	0.5966	0
190	0	correlation	0.5966	0.5966	0
191	0	correlation	0.5968	0.5968	0
192	0	correlation	0.5964	0.5964	0
193	0	correlation	0.5959	0.5958	-0.0001

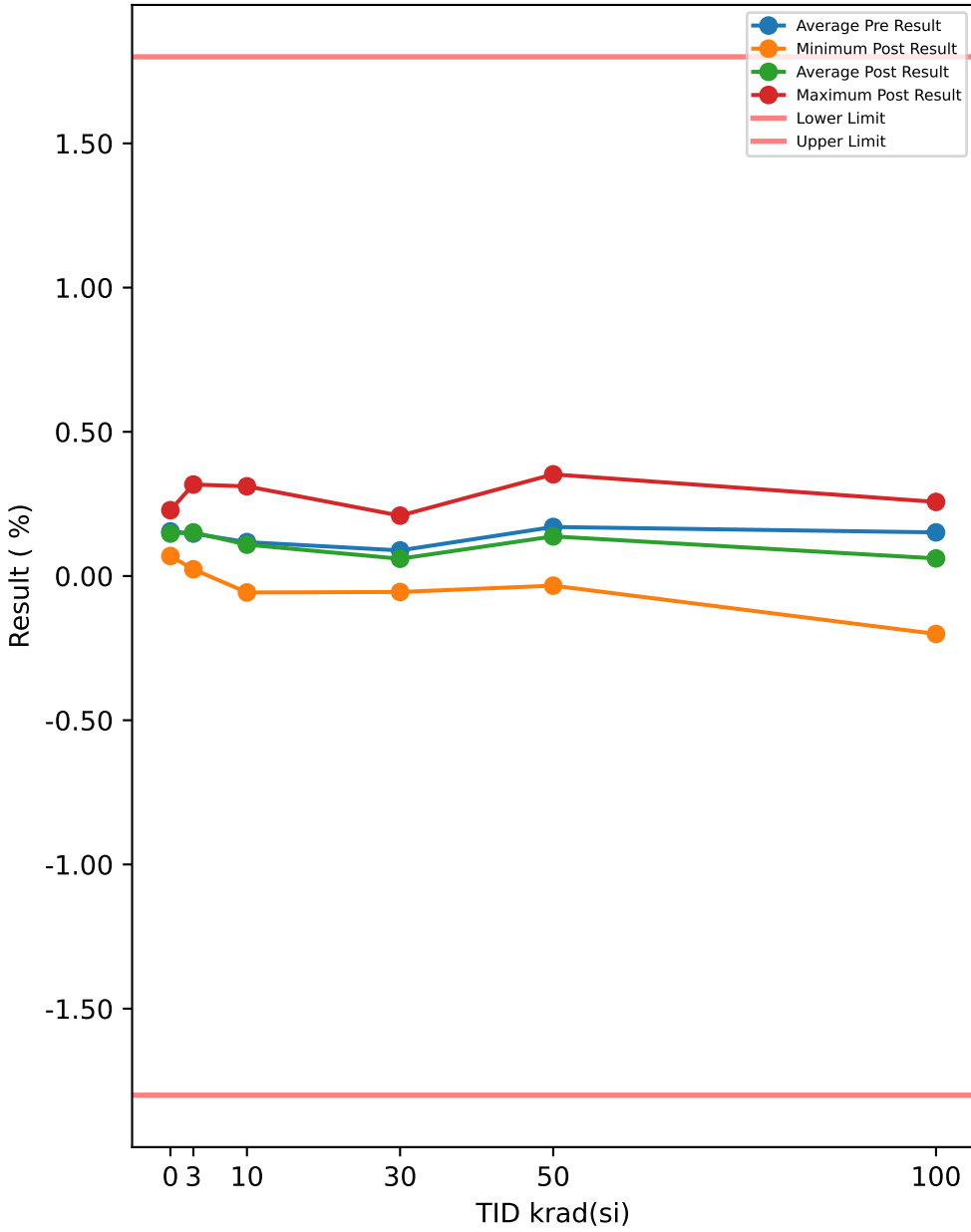
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5958	0.59629	0.5968	0.00040999	0.5958	0.59627	0.5968	0.00042706	-0.0001	-1.4286e-05	0	3.7796e-05
3	0.5956	0.59627	0.5972	0.00051435	0.5955	0.5963	0.5973	0.00053541	-0.0001	3e-05	0.0001	8.2327e-05
10	0.595	0.59605	0.5975	0.000833	0.595	0.59602	0.5973	0.00083373	-0.0002	-3e-05	0.0001	9.4868e-05
30	0.5951	0.59589	0.5969	0.00064023	0.5949	0.5957	0.5967	0.00057927	-0.0005	-0.00019	0	0.00014491
50	0.5951	0.59638	0.5977	0.0008257	0.595	0.59613	0.5973	0.00068646	-0.0006	-0.00025	0	0.00020138
100	0.5948	0.59627	0.5975	0.000859	0.5939	0.59548	0.5968	0.00086384	-0.0012	-0.00079	-0.0006	0.0001792

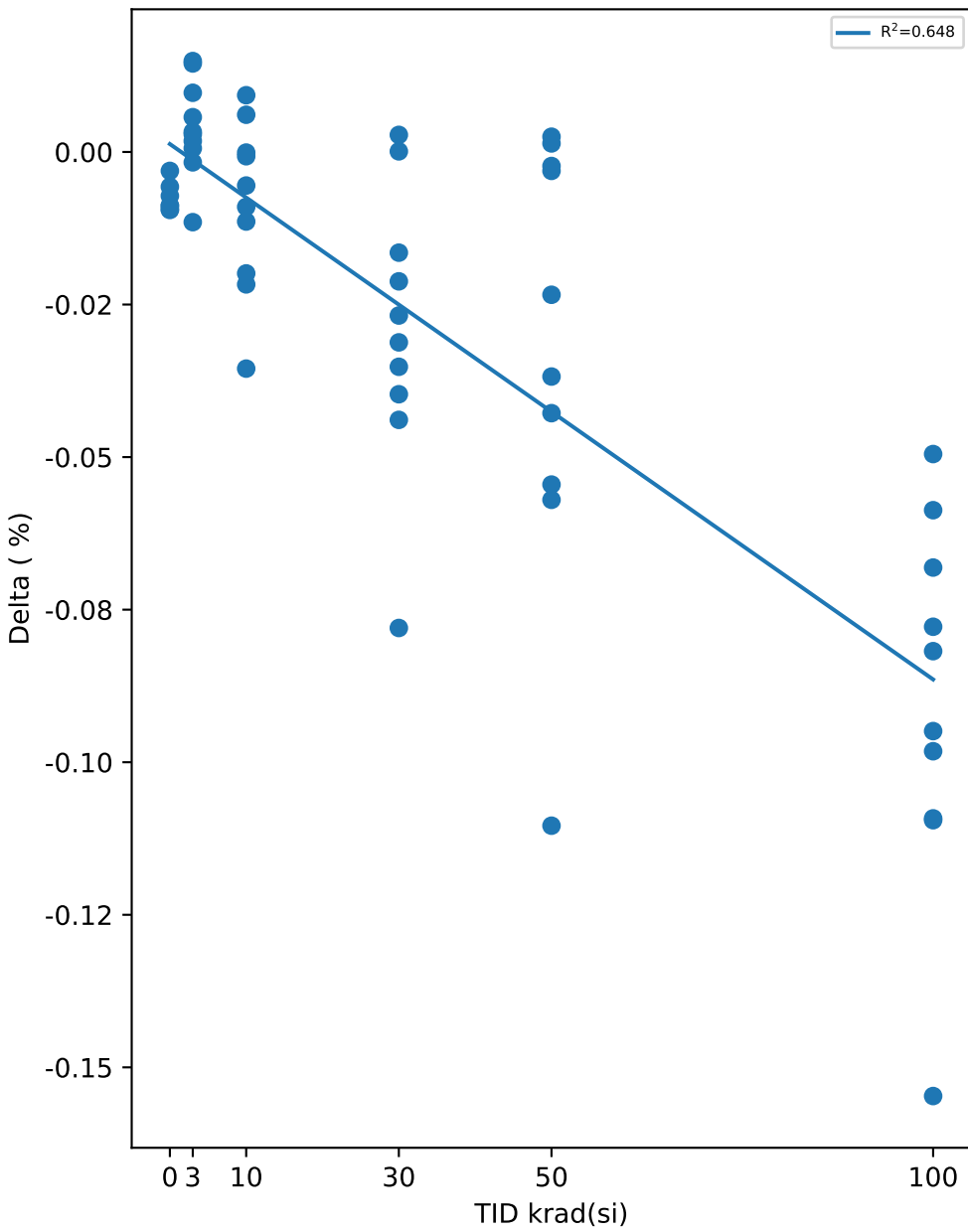
TID vs Result Stats



Test Results (Lower Limit = -1.8, Upper Limit = 1.8 (%))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.1286	0.1319	0.0033
55	3	HDR unbiased	0.0755	0.0784	0.0029
57	3	HDR unbiased	0.1919	0.2068	0.0149
58	3	HDR unbiased	0.0735	0.088	0.0145
59	3	HDR unbiased	0.0251	0.0234	-0.0017
82	10	HDR unbiased	0.1849	0.1942	0.0093
83	10	HDR unbiased	0.3086	0.3085	-0.0001
84	10	HDR unbiased	0.0221	0.0131	-0.009
85	10	HDR unbiased	0.0079	-0.012	-0.0199
87	10	HDR unbiased	0.0832	0.0777	-0.0055
94	30	HDR unbiased	0.2405	0.2093	-0.0312
95	30	HDR unbiased	-0.0378	-0.035	0.0028
97	30	HDR unbiased	0.1623	0.1271	-0.0352
98	30	HDR unbiased	-0.0269	-0.0434	-0.0165
99	30	HDR unbiased	0.048	0.0268	-0.0212
105	50	HDR unbiased	0.1459	0.1225	-0.0234
107	50	HDR unbiased	0.356	0.2456	-0.1104
108	50	HDR unbiased	0.1507	0.1139	-0.0368
109	50	HDR unbiased	0.3953	0.3525	-0.0428
110	50	HDR unbiased	0.2013	0.1468	-0.0545
121	100	HDR biased	0.1148	0.0653	-0.0495
123	100	HDR biased	0.3551	0.2569	-0.0982
124	100	HDR biased	0.2563	0.1882	-0.0681
125	100	HDR biased	0.0076	-0.0511	-0.0587
126	100	HDR biased	0.0182	-0.0596	-0.0778
127	50	HDR biased	0.0102	0.0116	0.0014
128	50	HDR biased	0.2031	0.2008	-0.0023
129	50	HDR biased	-0.0303	-0.0334	-0.0031
130	50	HDR biased	0.2132	0.1562	-0.057
132	50	HDR biased	0.055	0.0575	0.0025
149	100	HDR unbiased	0.2365	0.1547	-0.0818
150	100	HDR unbiased	0.2915	0.1823	-0.1092
151	100	HDR unbiased	0.178	0.0233	-0.1547
152	100	HDR unbiased	0.1462	0.0513	-0.0949
153	100	HDR unbiased	-0.0913	-0.2008	-0.1095
164	30	HDR biased	0.0543	0.0544	0.0001
165	30	HDR biased	-0.0285	-0.0553	-0.0268
166	30	HDR biased	0.1781	0.1001	-0.078
168	30	HDR biased	0.1166	0.0769	-0.0397
169	30	HDR biased	0.1816	0.1377	-0.0439
170	10	HDR biased	0.1599	0.1485	-0.0114
171	10	HDR biased	0.1426	0.1487	0.0061
172	10	HDR biased	0.3465	0.311	-0.0355
173	10	HDR biased	-0.0238	-0.0455	-0.0217
174	10	HDR biased	-0.0563	-0.057	-0.0007
175	3	HDR biased	0.0698	0.0755	0.0057
176	3	HDR biased	0.2438	0.2323	-0.0115
178	3	HDR biased	0.1749	0.1767	0.0018
179	3	HDR biased	0.1817	0.1823	0.0006
180	3	HDR biased	0.3075	0.3172	0.0097
187	0	correlation	0.0811	0.0723	-0.0088
188	0	correlation	0.0974	0.0902	-0.0072
189	0	correlation	0.2051	0.202	-0.0031
190	0	correlation	0.2103	0.2046	-0.0057
191	0	correlation	0.2376	0.2282	-0.0094
192	0	correlation	0.1734	0.1639	-0.0095
193	0	correlation	0.0781	0.0693	-0.0088

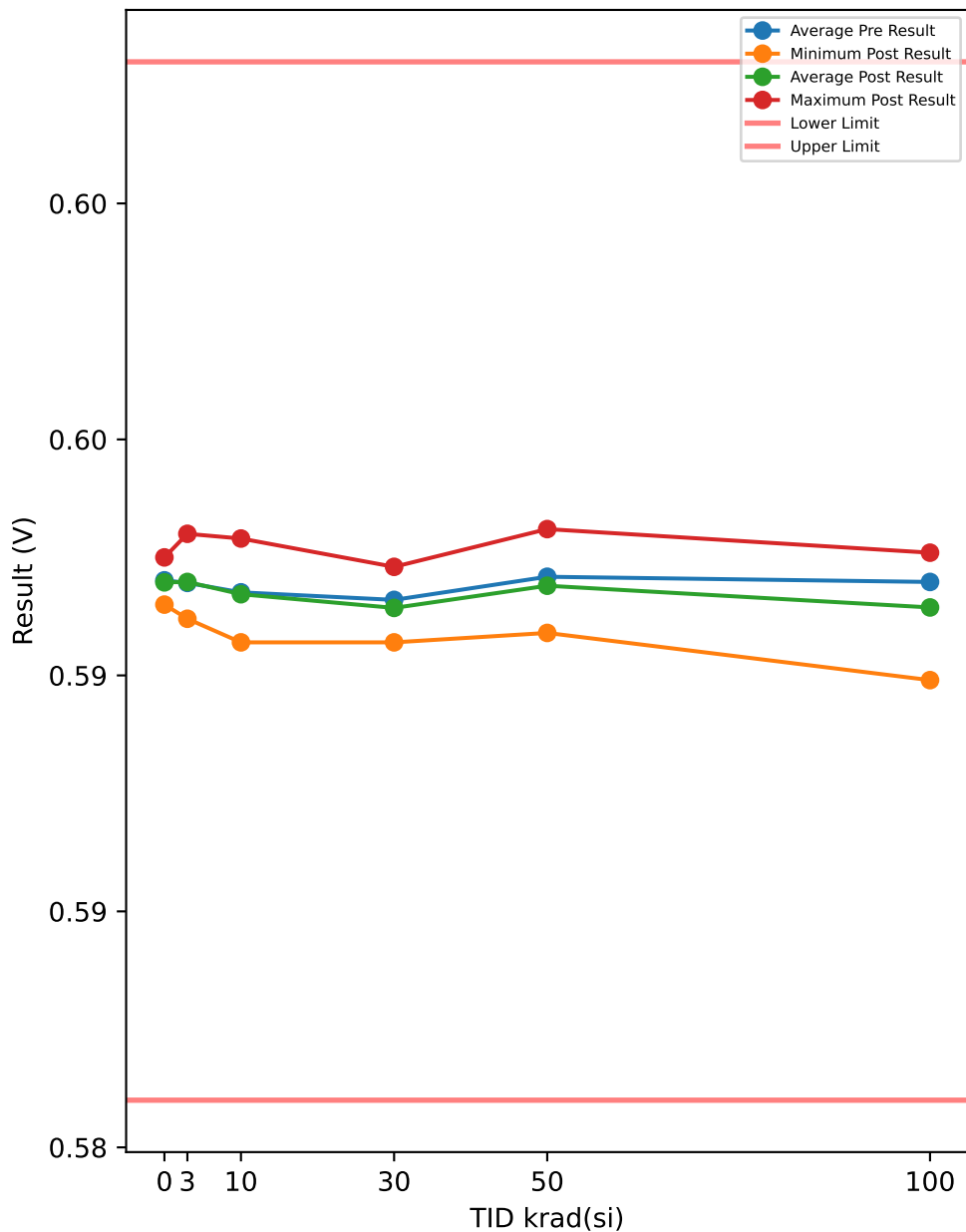
TID vs Post - Pre Exposure Delta



Test Statistics (%)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.0781	0.15471	0.2376	0.067604	0.0693	0.14721	0.2282	0.068392	-0.0095	-0.0075	-0.0031	0.0023692
3	0.0251	0.14723	0.3075	0.088695	0.0234	0.15125	0.3172	0.088551	-0.0115	0.00402	0.0149	0.0078548
10	-0.0563	0.11756	0.3465	0.13679	-0.057	0.10872	0.311	0.13632	-0.0355	-0.00884	0.0093	0.013788
30	-0.0378	0.08882	0.2405	0.101	-0.0553	0.05986	0.2093	0.087476	-0.078	-0.02896	0.0028	0.02324
50	-0.0303	0.17004	0.3953	0.13709	-0.0334	0.1374	0.3525	0.11284	-0.1104	-0.03264	0.0025	0.035762
100	-0.0913	0.15129	0.3551	0.14094	-0.2008	0.06105	0.2569	0.13954	-0.1547	-0.09024	-0.0495	0.030444

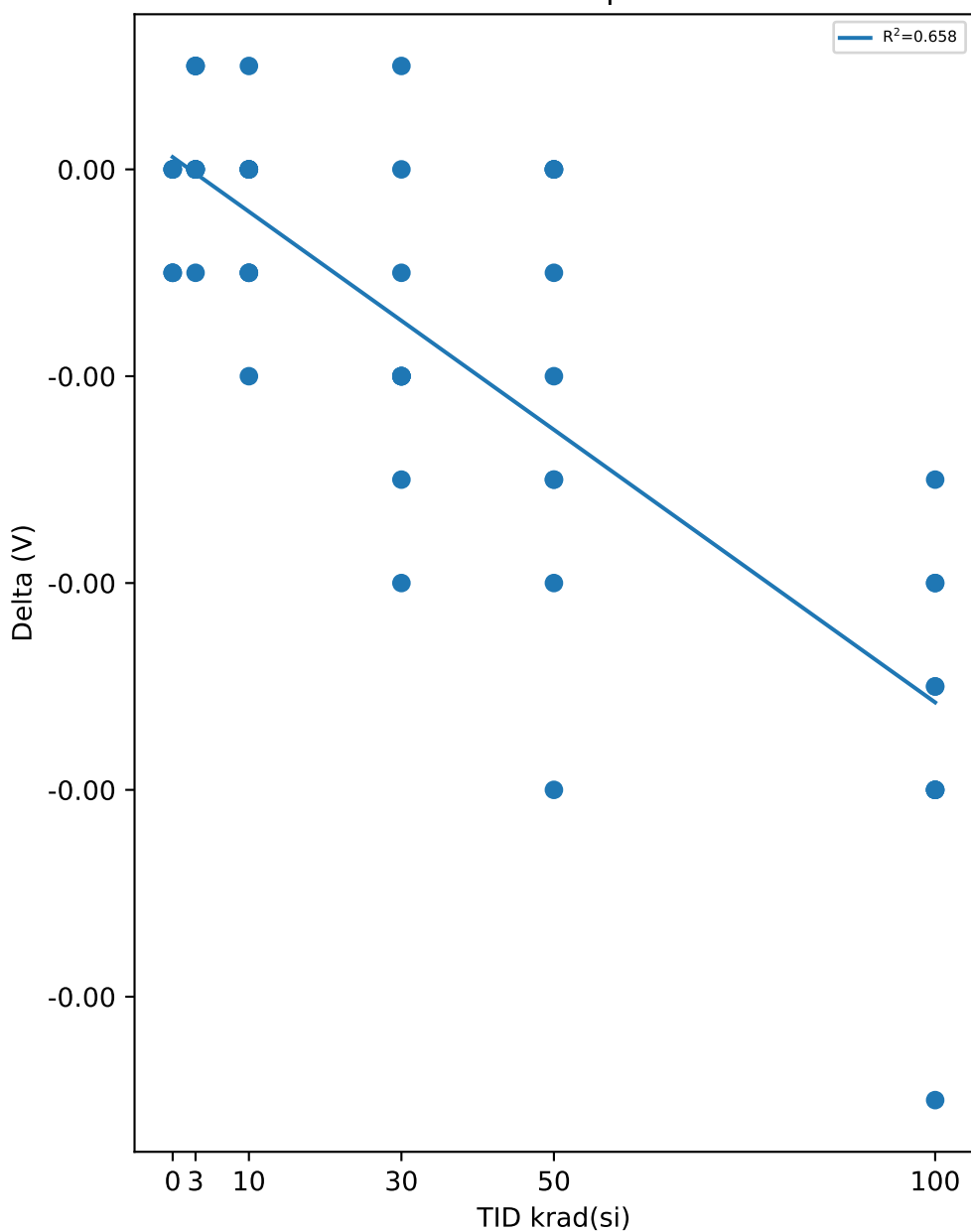
TID vs Result Stats



Test Results (Lower Limit = 0.586, Upper Limit = 0.608 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.5969	0.5969	0
55	3	HDR unbiased	0.5966	0.5965	-0.0001
57	3	HDR unbiased	0.5972	0.5973	0.0001
58	3	HDR unbiased	0.5965	0.5966	0.0001
59	3	HDR unbiased	0.5962	0.5962	0
82	10	HDR unbiased	0.5972	0.5972	0
83	10	HDR unbiased	0.5979	0.5979	0
84	10	HDR unbiased	0.5962	0.5962	0
85	10	HDR unbiased	0.5961	0.596	-0.0001
87	10	HDR unbiased	0.5966	0.5965	-0.0001
94	30	HDR unbiased	0.5975	0.5973	-0.0002
95	30	HDR unbiased	0.5958	0.5959	0.0001
97	30	HDR unbiased	0.597	0.5968	-0.0002
98	30	HDR unbiased	0.5959	0.5958	-0.0001
99	30	HDR unbiased	0.5964	0.5962	-0.0002
105	50	HDR unbiased	0.5969	0.5968	-0.0001
107	50	HDR unbiased	0.5982	0.5976	-0.0006
108	50	HDR unbiased	0.597	0.5968	-0.0002
109	50	HDR unbiased	0.5984	0.5981	-0.0003
110	50	HDR unbiased	0.5973	0.597	-0.0003
121	100	HDR biased	0.5968	0.5964	-0.0004
123	100	HDR biased	0.5982	0.5976	-0.0006
124	100	HDR biased	0.5976	0.5972	-0.0004
125	100	HDR biased	0.5961	0.5958	-0.0003
126	100	HDR biased	0.5962	0.5957	-0.0005
127	50	HDR biased	0.5961	0.5961	0
128	50	HDR biased	0.5973	0.5973	0
129	50	HDR biased	0.5959	0.5959	0
130	50	HDR biased	0.5974	0.597	-0.0004
132	50	HDR biased	0.5964	0.5964	0
149	100	HDR unbiased	0.5975	0.597	-0.0005
150	100	HDR unbiased	0.5978	0.5972	-0.0006
151	100	HDR unbiased	0.5971	0.5962	-0.0009
152	100	HDR unbiased	0.597	0.5964	-0.0006
153	100	HDR unbiased	0.5955	0.5949	-0.0006
164	30	HDR biased	0.5964	0.5964	0
165	30	HDR biased	0.5959	0.5957	-0.0002
166	30	HDR biased	0.5971	0.5967	-0.0004
168	30	HDR biased	0.5968	0.5966	-0.0002
169	30	HDR biased	0.5972	0.5969	-0.0003
170	10	HDR biased	0.597	0.597	0
171	10	HDR biased	0.5969	0.597	0.0001
172	10	HDR biased	0.5981	0.5979	-0.0002
173	10	HDR biased	0.5959	0.5958	-0.0001
174	10	HDR biased	0.5957	0.5957	0
175	3	HDR biased	0.5965	0.5965	0
176	3	HDR biased	0.5975	0.5975	0
178	3	HDR biased	0.5971	0.5971	0
179	3	HDR biased	0.5972	0.5972	0
180	3	HDR biased	0.5979	0.598	0.0001
187	0	correlation	0.5966	0.5965	-0.0001
188	0	correlation	0.5967	0.5966	-0.0001
189	0	correlation	0.5973	0.5973	0
190	0	correlation	0.5973	0.5973	0
191	0	correlation	0.5975	0.5975	0
192	0	correlation	0.5971	0.5971	0
193	0	correlation	0.5966	0.5965	-0.0001

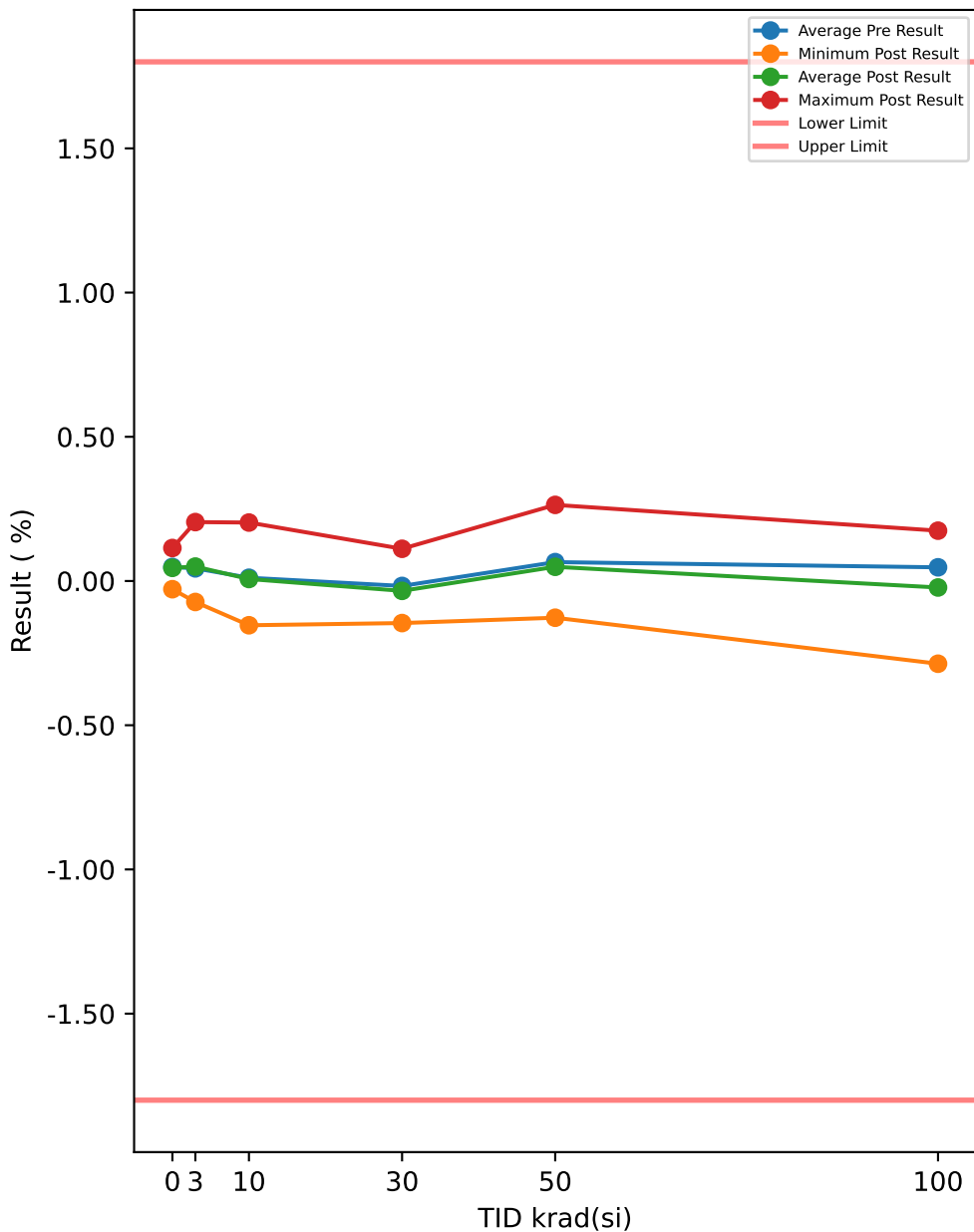
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5966	0.59701	0.5975	0.00037607	0.5965	0.59697	0.5975	0.00042706	-0.0001	-4.2857e-05	0	5.3452e-05
3	0.5962	0.59696	0.5979	0.00052111	0.5962	0.59698	0.598	0.00054732	-0.0001	2e-05	0.0001	6.3246e-05
10	0.5957	0.59676	0.5981	0.00081677	0.5957	0.59672	0.5979	0.00080939	-0.0002	-4e-05	0.0001	8.4327e-05
30	0.5958	0.5966	0.5975	0.00060736	0.5957	0.59643	0.5973	0.00052504	-0.0004	-0.00017	0.0001	0.00014181
50	0.5959	0.59709	0.5984	0.00081982	0.5959	0.5969	0.5981	0.00066833	-0.0006	-0.00019	0	0.0002079
100	0.5955	0.59698	0.5982	0.00084564	0.5949	0.59644	0.5976	0.00083026	-0.0009	-0.00054	-0.0003	0.00016465

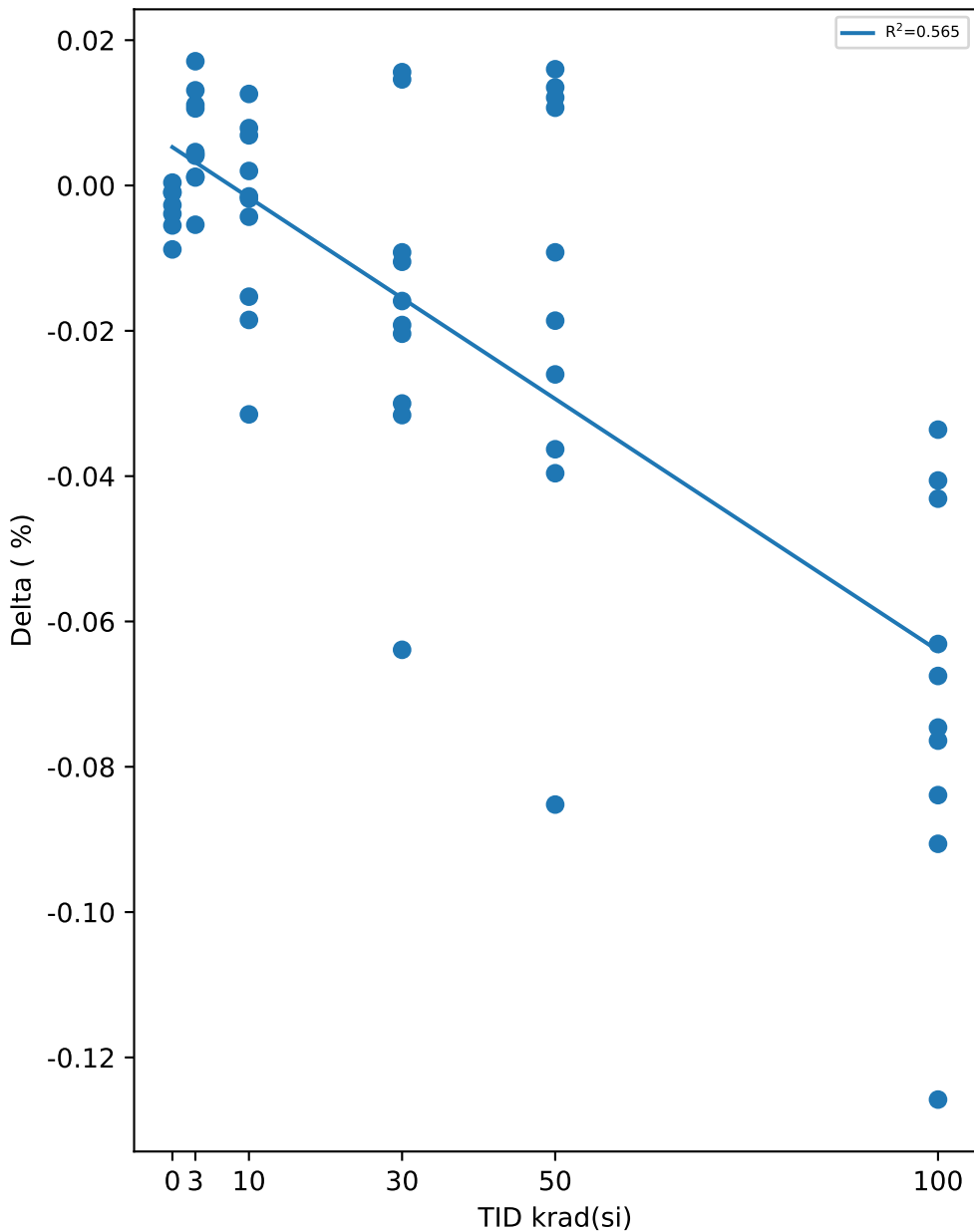
TID vs Result Stats



Test Results (Lower Limit = -1.8, Upper Limit = 1.8 (%))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.0297	0.0343	0.0046
55	3	HDR unbiased	-0.0239	-0.0198	0.0041
57	3	HDR unbiased	0.0934	0.1065	0.0131
58	3	HDR unbiased	-0.0275	-0.0104	0.0171
59	3	HDR unbiased	-0.0739	-0.0727	0.0012
82	10	HDR unbiased	0.0803	0.0929	0.0126
83	10	HDR unbiased	0.1914	0.1934	0.002
84	10	HDR unbiased	-0.0783	-0.0826	-0.0043
85	10	HDR unbiased	-0.0979	-0.1132	-0.0153
87	10	HDR unbiased	-0.0214	-0.0232	-0.0018
94	30	HDR unbiased	0.1276	0.1117	-0.0159
95	30	HDR unbiased	-0.1454	-0.1308	0.0146
97	30	HDR unbiased	0.0501	0.0297	-0.0204
98	30	HDR unbiased	-0.1278	-0.1383	-0.0105
99	30	HDR unbiased	-0.0588	-0.068	-0.0092
105	50	HDR unbiased	0.0439	0.0347	-0.0092
107	50	HDR unbiased	0.239	0.1538	-0.0852
108	50	HDR unbiased	0.0489	0.0303	-0.0186
109	50	HDR unbiased	0.2899	0.2639	-0.026
110	50	HDR unbiased	0.0918	0.0555	-0.0363
121	100	HDR biased	0.0155	-0.0181	-0.0336
123	100	HDR biased	0.2509	0.1745	-0.0764
124	100	HDR biased	0.1451	0.102	-0.0431
125	100	HDR biased	-0.0984	-0.139	-0.0406
126	100	HDR biased	-0.0761	-0.1436	-0.0675
127	50	HDR biased	-0.0917	-0.0757	0.016
128	50	HDR biased	0.1029	0.115	0.0121
129	50	HDR biased	-0.138	-0.1273	0.0107
130	50	HDR biased	0.11	0.0704	-0.0396
132	50	HDR biased	-0.0417	-0.0282	0.0135
149	100	HDR unbiased	0.1335	0.0704	-0.0631
150	100	HDR unbiased	0.183	0.0991	-0.0839
151	100	HDR unbiased	0.0729	-0.0529	-0.1258
152	100	HDR unbiased	0.0445	-0.0301	-0.0746
153	100	HDR unbiased	-0.1962	-0.2868	-0.0906
164	30	HDR biased	-0.0615	-0.0459	0.0156
165	30	HDR biased	-0.1266	-0.1458	-0.0192
166	30	HDR biased	0.0723	0.0084	-0.0639
168	30	HDR biased	0.022	-0.0096	-0.0316
169	30	HDR biased	0.0769	0.0469	-0.03
170	10	HDR biased	0.0503	0.0488	-0.0015
171	10	HDR biased	0.0438	0.0517	0.0079
172	10	HDR biased	0.2342	0.2027	-0.0315
173	10	HDR biased	-0.129	-0.1475	-0.0185
174	10	HDR biased	-0.1603	-0.1534	0.0069
175	3	HDR biased	-0.0364	-0.0253	0.0111
176	3	HDR biased	0.1412	0.1358	-0.0054
178	3	HDR biased	0.0656	0.0699	0.0043
179	3	HDR biased	0.0768	0.0779	0.0011
180	3	HDR biased	0.1937	0.2043	0.0106
187	0	correlation	-0.022	-0.0229	-0.0009
188	0	correlation	-0.0058	-0.0054	0.0004
189	0	correlation	0.1044	0.1034	-0.001
190	0	correlation	0.0971	0.0932	-0.0039
191	0	correlation	0.1199	0.1144	-0.0055
192	0	correlation	0.0673	0.0646	-0.0027
193	0	correlation	-0.0196	-0.0284	-0.0088

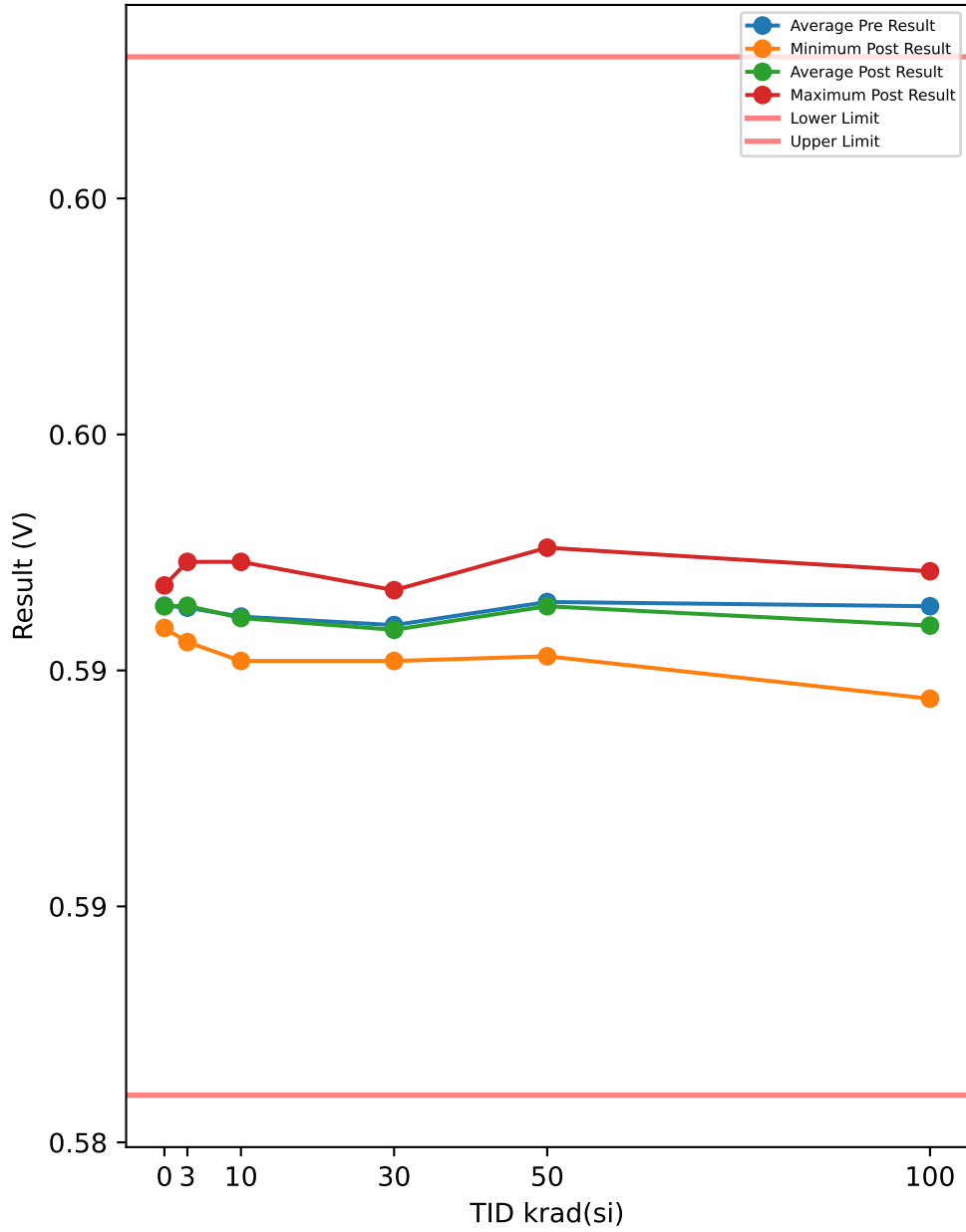
TID vs Post - Pre Exposure Delta



Test Statistics (%)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	-0.022	0.048757	0.1199	0.062575	-0.0284	0.045557	0.1144	0.062544	-0.0088	-0.0032	0.0004	0.0031749
3	-0.0739	0.04387	0.1937	0.085721	-0.0727	0.05005	0.2043	0.085003	-0.0054	0.00618	0.0171	0.006716
10	-0.1603	0.01131	0.2342	0.13317	-0.1534	0.00696	0.2027	0.13214	-0.0315	-0.00435	0.0126	0.013647
30	-0.1454	-0.01712	0.1276	0.09901	-0.1458	-0.03417	0.1117	0.087095	-0.0639	-0.01705	0.0156	0.023007
50	-0.138	0.0655	0.2899	0.13453	-0.1273	0.04924	0.2639	0.11312	-0.0852	-0.01626	0.016	0.032157
100	-0.1962	0.04747	0.2509	0.13916	-0.2868	-0.02245	0.1745	0.14017	-0.1258	-0.06992	-0.0336	0.027407

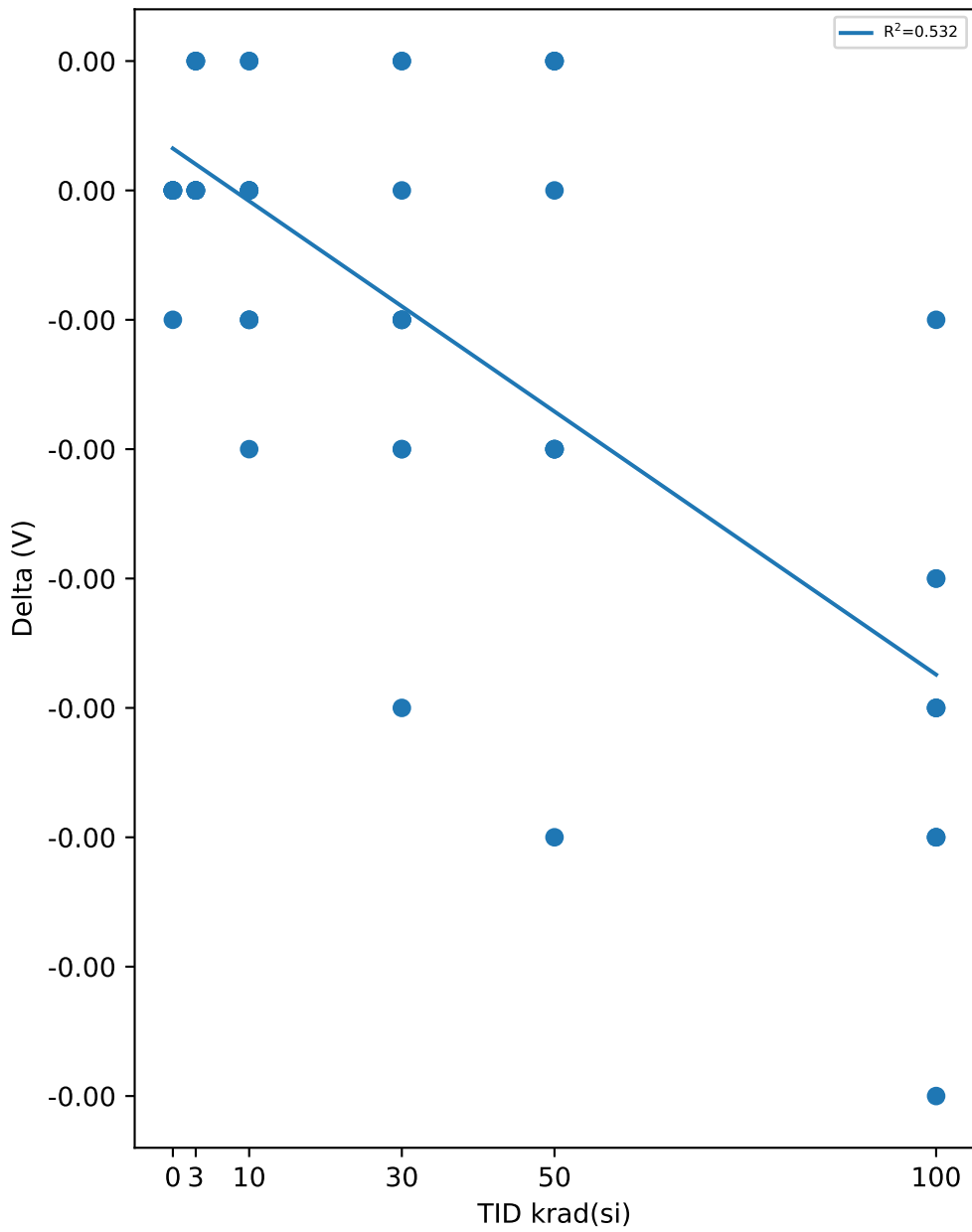
TID vs Result Stats



Test Results (Lower Limit = 0.586, Upper Limit = 0.608 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.5963	0.5963	0
55	3	HDR unbiased	0.5959	0.5959	0
57	3	HDR unbiased	0.5966	0.5967	0.0001
58	3	HDR unbiased	0.5959	0.596	0.0001
59	3	HDR unbiased	0.5956	0.5956	0
82	10	HDR unbiased	0.5966	0.5966	0
83	10	HDR unbiased	0.5972	0.5972	0
84	10	HDR unbiased	0.5956	0.5955	-0.0001
85	10	HDR unbiased	0.5955	0.5954	-0.0001
87	10	HDR unbiased	0.5959	0.5959	0
94	30	HDR unbiased	0.5968	0.5967	-0.0001
95	30	HDR unbiased	0.5952	0.5953	0.0001
97	30	HDR unbiased	0.5964	0.5962	-0.0002
98	30	HDR unbiased	0.5953	0.5952	-0.0001
99	30	HDR unbiased	0.5957	0.5957	0
105	50	HDR unbiased	0.5963	0.5963	0
107	50	HDR unbiased	0.5975	0.597	-0.0005
108	50	HDR unbiased	0.5964	0.5962	-0.0002
109	50	HDR unbiased	0.5978	0.5976	-0.0002
110	50	HDR unbiased	0.5966	0.5964	-0.0002
121	100	HDR biased	0.5961	0.596	-0.0001
123	100	HDR biased	0.5976	0.5971	-0.0005
124	100	HDR biased	0.597	0.5967	-0.0003
125	100	HDR biased	0.5955	0.5952	-0.0003
126	100	HDR biased	0.5956	0.5952	-0.0004
127	50	HDR biased	0.5955	0.5956	0.0001
128	50	HDR biased	0.5967	0.5968	0.0001
129	50	HDR biased	0.5952	0.5953	0.0001
130	50	HDR biased	0.5967	0.5965	-0.0002
132	50	HDR biased	0.5958	0.5959	0.0001
149	100	HDR unbiased	0.5969	0.5965	-0.0004
150	100	HDR unbiased	0.5972	0.5967	-0.0005
151	100	HDR unbiased	0.5965	0.5958	-0.0007
152	100	HDR unbiased	0.5963	0.5959	-0.0004
153	100	HDR unbiased	0.5949	0.5944	-0.0005
164	30	HDR biased	0.5957	0.5958	0.0001
165	30	HDR biased	0.5953	0.5952	-0.0001
166	30	HDR biased	0.5965	0.5961	-0.0004
168	30	HDR biased	0.5962	0.596	-0.0002
169	30	HDR biased	0.5965	0.5964	-0.0001
170	10	HDR biased	0.5964	0.5964	0
171	10	HDR biased	0.5963	0.5964	0.0001
172	10	HDR biased	0.5975	0.5973	-0.0002
173	10	HDR biased	0.5953	0.5952	-0.0001
174	10	HDR biased	0.5951	0.5952	0.0001
175	3	HDR biased	0.5959	0.5959	0
176	3	HDR biased	0.5969	0.5969	0
178	3	HDR biased	0.5965	0.5965	0
179	3	HDR biased	0.5965	0.5966	0.0001
180	3	HDR biased	0.5972	0.5973	0.0001
187	0	correlation	0.5959	0.5959	0
188	0	correlation	0.596	0.596	0
189	0	correlation	0.5967	0.5967	0
190	0	correlation	0.5967	0.5967	0
191	0	correlation	0.5968	0.5968	0
192	0	correlation	0.5965	0.5965	0
193	0	correlation	0.596	0.5959	-0.0001

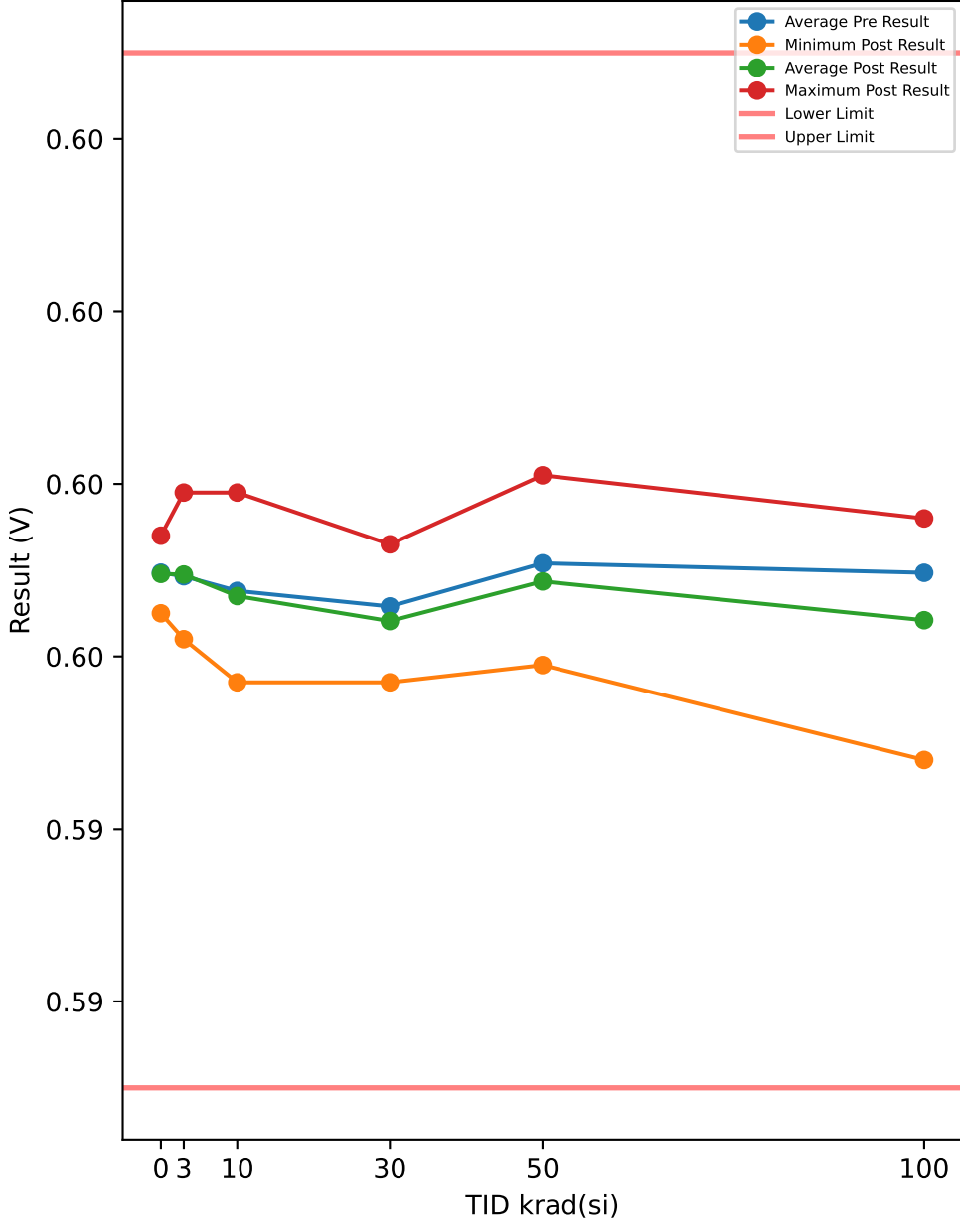
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5959	0.59637	0.5968	0.00039036	0.5959	0.59636	0.5968	0.00040766	-0.0001	-1.4286e-05	0	3.7796e-05
3	0.5956	0.59633	0.5972	0.00050563	0.5956	0.59637	0.5973	0.00052715	0	4e-05	0.0001	5.164e-05
10	0.5951	0.59614	0.5975	0.00080443	0.5952	0.59611	0.5973	0.00078804	-0.0002	-3e-05	0.0001	9.4868e-05
30	0.5952	0.59596	0.5968	0.00058916	0.5952	0.59586	0.5967	0.00051683	-0.0004	-0.0001	0.0001	0.00014907
50	0.5952	0.59645	0.5978	0.00081548	0.5953	0.59636	0.5976	0.00067528	-0.0005	-9e-05	0.0001	0.00020248
100	0.5949	0.59636	0.5976	0.00084879	0.5944	0.59595	0.5971	0.00083699	-0.0007	-0.00041	-0.0001	0.00015951

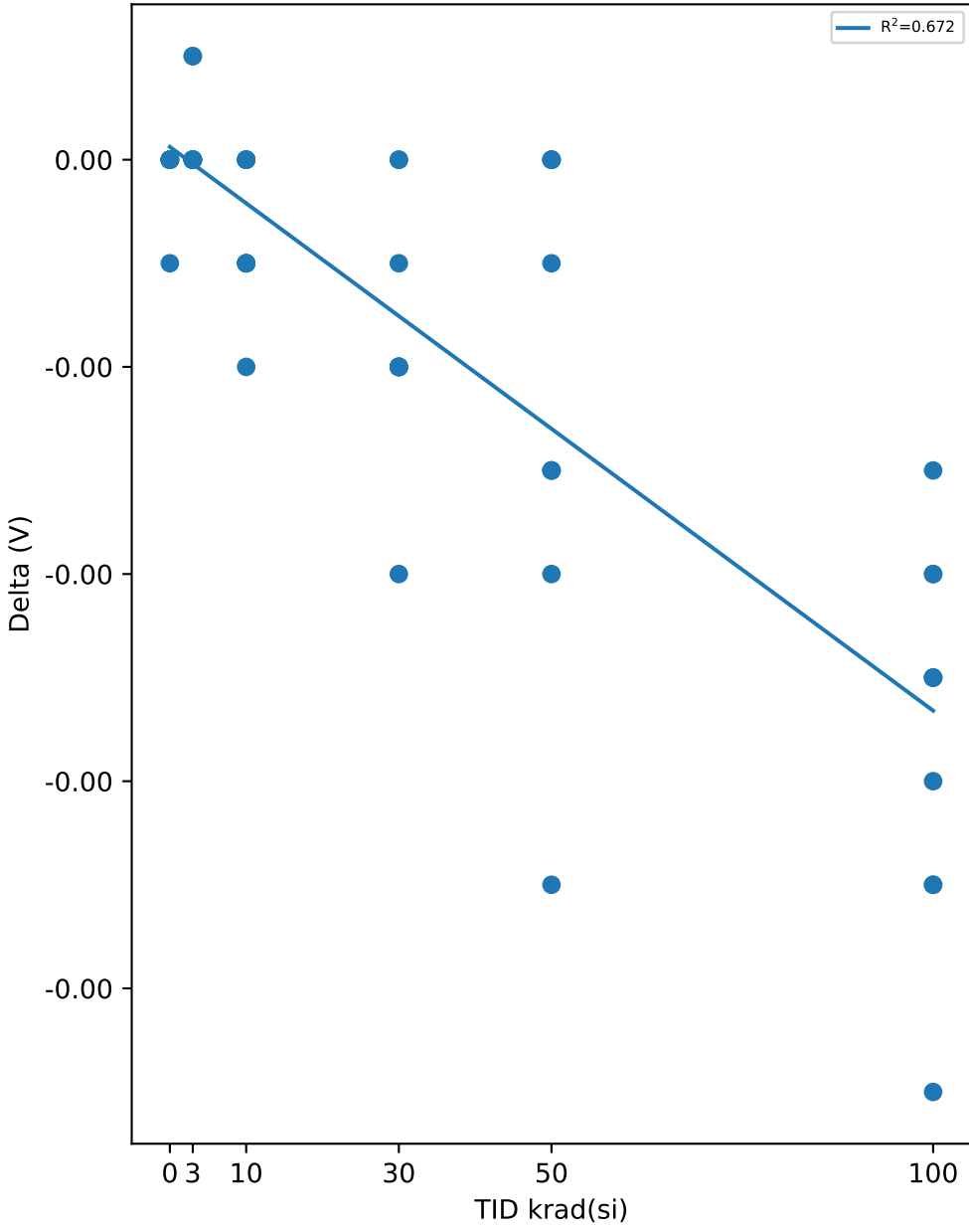
TID vs Result Stats



Test Results (Lower Limit = 0.591, Upper Limit = 0.603 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.5968	0.5968	0
55	3	HDR unbiased	0.5965	0.5965	0
57	3	HDR unbiased	0.5972	0.5973	0.0001
58	3	HDR unbiased	0.5965	0.5966	0.0001
59	3	HDR unbiased	0.5962	0.5962	0
82	10	HDR unbiased	0.5972	0.5972	0
83	10	HDR unbiased	0.5979	0.5979	0
84	10	HDR unbiased	0.5962	0.5961	-0.0001
85	10	HDR unbiased	0.5961	0.596	-0.0001
87	10	HDR unbiased	0.5966	0.5965	-0.0001
94	30	HDR unbiased	0.5975	0.5973	-0.0002
95	30	HDR unbiased	0.5958	0.5958	0
97	30	HDR unbiased	0.597	0.5968	-0.0002
98	30	HDR unbiased	0.5959	0.5958	-0.0001
99	30	HDR unbiased	0.5964	0.5962	-0.0002
105	50	HDR unbiased	0.5969	0.5968	-0.0001
107	50	HDR unbiased	0.5982	0.5975	-0.0007
108	50	HDR unbiased	0.597	0.5967	-0.0003
109	50	HDR unbiased	0.5984	0.5981	-0.0003
110	50	HDR unbiased	0.5973	0.5969	-0.0004
121	100	HDR biased	0.5968	0.5964	-0.0004
123	100	HDR biased	0.5982	0.5976	-0.0006
124	100	HDR biased	0.5976	0.5972	-0.0004
125	100	HDR biased	0.5961	0.5958	-0.0003
126	100	HDR biased	0.5962	0.5957	-0.0005
127	50	HDR biased	0.5961	0.5961	0
128	50	HDR biased	0.5973	0.5973	0
129	50	HDR biased	0.5959	0.5959	0
130	50	HDR biased	0.5973	0.597	-0.0003
132	50	HDR biased	0.5964	0.5964	0
149	100	HDR unbiased	0.5975	0.597	-0.0005
150	100	HDR unbiased	0.5978	0.5971	-0.0007
151	100	HDR unbiased	0.5971	0.5962	-0.0009
152	100	HDR unbiased	0.5969	0.5964	-0.0005
153	100	HDR unbiased	0.5955	0.5948	-0.0007
164	30	HDR biased	0.5964	0.5964	0
165	30	HDR biased	0.5959	0.5957	-0.0002
166	30	HDR biased	0.5971	0.5967	-0.0004
168	30	HDR biased	0.5967	0.5965	-0.0002
169	30	HDR biased	0.5971	0.5969	-0.0002
170	10	HDR biased	0.597	0.597	0
171	10	HDR biased	0.5969	0.5969	0
172	10	HDR biased	0.5981	0.5979	-0.0002
173	10	HDR biased	0.5959	0.5958	-0.0001
174	10	HDR biased	0.5957	0.5957	0
175	3	HDR biased	0.5965	0.5965	0
176	3	HDR biased	0.5975	0.5975	0
178	3	HDR biased	0.5971	0.5971	0
179	3	HDR biased	0.5971	0.5971	0
180	3	HDR biased	0.5979	0.5979	0
187	0	correlation	0.5965	0.5965	0
188	0	correlation	0.5966	0.5966	0
189	0	correlation	0.5973	0.5973	0
190	0	correlation	0.5973	0.5973	0
191	0	correlation	0.5975	0.5974	-0.0001
192	0	correlation	0.5971	0.5971	0
193	0	correlation	0.5965	0.5965	0

TID vs Post - Pre Exposure Delta

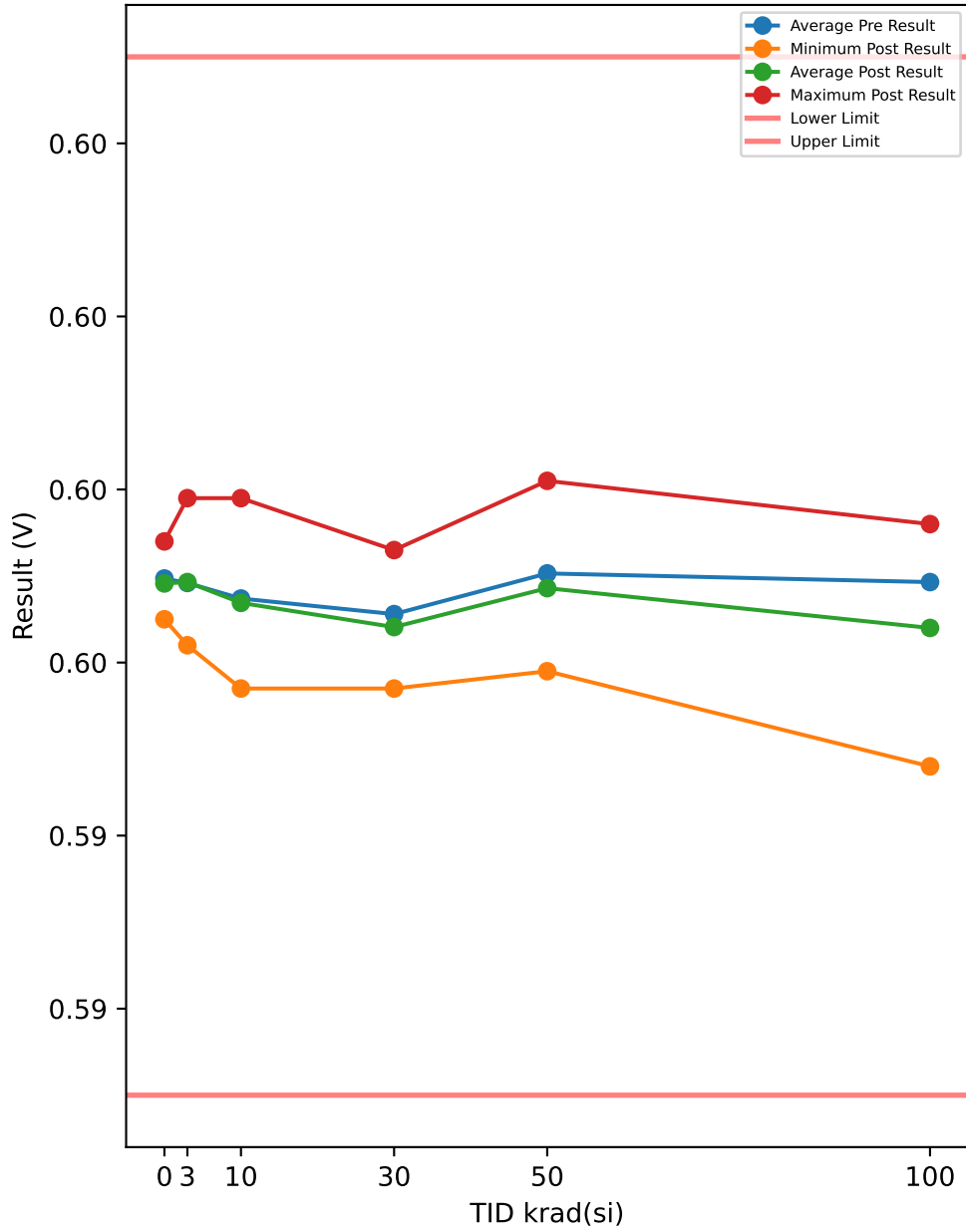


Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5965	0.59697	0.5975	0.00042706	0.5965	0.59696	0.5974	0.00040766	-0.0001	-1.4286e-05	0	3.7796e-05
3	0.5962	0.59693	0.5979	0.00052715	0.5962	0.59695	0.5979	0.00052546	0	2e-05	0.0001	4.2164e-05
10	0.5957	0.59676	0.5981	0.00081677	0.5957	0.5967	0.5979	0.00081377	-0.0002	-6e-05	0	6.9921e-05
30	0.5958	0.59658	0.5975	0.00059404	0.5957	0.59641	0.5973	0.00053427	-0.0004	-0.00017	0	0.00011595
50	0.5959	0.59708	0.5984	0.00081622	0.5959	0.59687	0.5981	0.00065836	-0.0007	-0.00021	0	0.0002331
100	0.5955	0.59697	0.5982	0.00084597	0.5948	0.59642	0.5976	0.00084169	-0.0009	-0.00055	-0.0003	0.00017795

Device Test: 15.40 VFB_25C(OUTPUT|VFB_25C/FB/5/0.6//10//@VFB_25C)

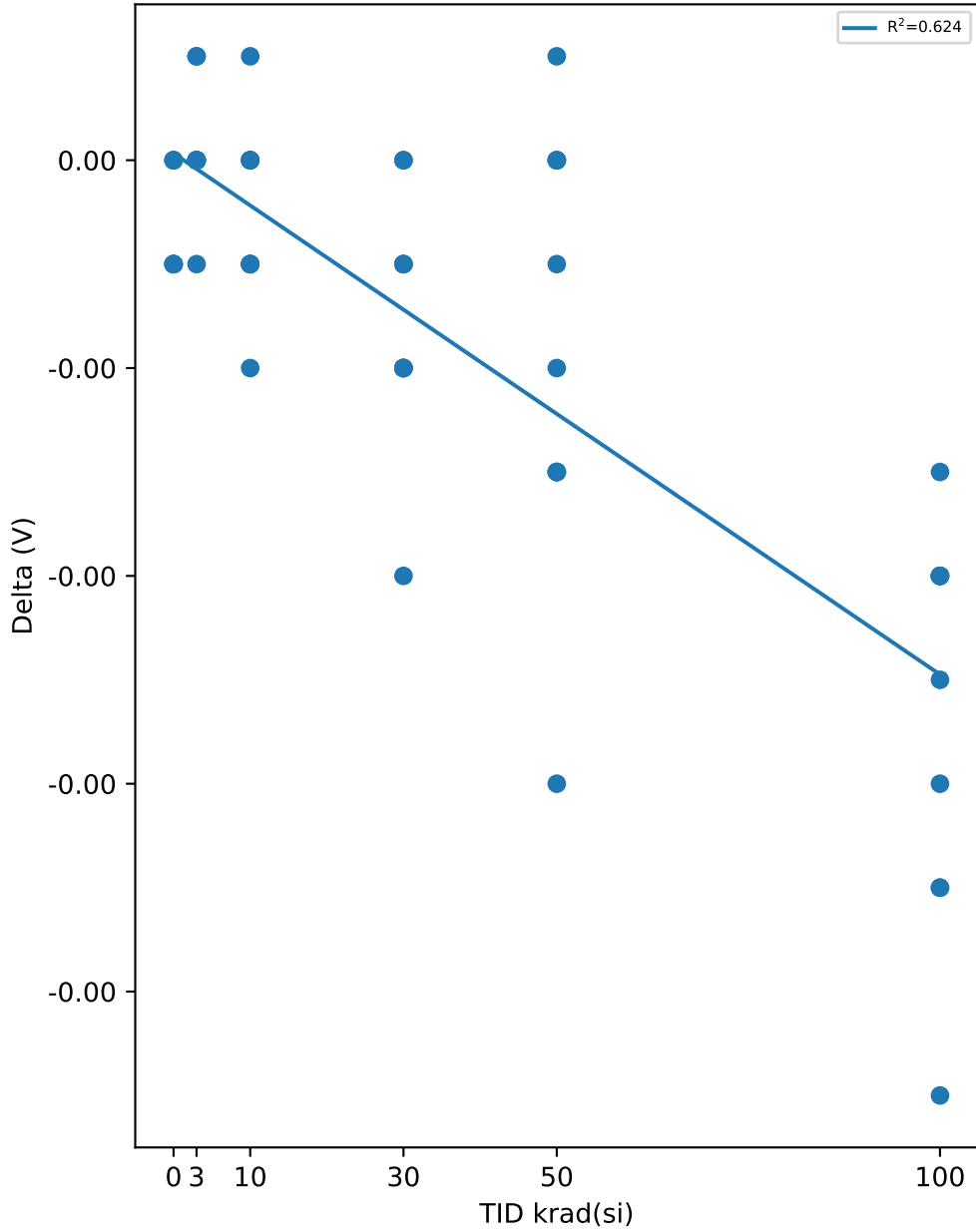
TID vs Result Stats



Test Results (Lower Limit = 0.591, Upper Limit = 0.603 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.5968	0.5968	0
55	3	HDR unbiased	0.5965	0.5965	0
57	3	HDR unbiased	0.5972	0.5972	0
58	3	HDR unbiased	0.5965	0.5966	0.0001
59	3	HDR unbiased	0.5962	0.5962	0
82	10	HDR unbiased	0.5971	0.5972	0.0001
83	10	HDR unbiased	0.5979	0.5979	0
84	10	HDR unbiased	0.5962	0.5961	-0.0001
85	10	HDR unbiased	0.5961	0.596	-0.0001
87	10	HDR unbiased	0.5965	0.5965	0
94	30	HDR unbiased	0.5975	0.5973	-0.0002
95	30	HDR unbiased	0.5958	0.5958	0
97	30	HDR unbiased	0.597	0.5968	-0.0002
98	30	HDR unbiased	0.5959	0.5958	-0.0001
99	30	HDR unbiased	0.5963	0.5962	-0.0001
105	50	HDR unbiased	0.5969	0.5968	-0.0001
107	50	HDR unbiased	0.5981	0.5975	-0.0006
108	50	HDR unbiased	0.5969	0.5967	-0.0002
109	50	HDR unbiased	0.5984	0.5981	-0.0003
110	50	HDR unbiased	0.5972	0.5969	-0.0003
121	100	HDR biased	0.5967	0.5964	-0.0003
123	100	HDR biased	0.5981	0.5976	-0.0005
124	100	HDR biased	0.5976	0.5972	-0.0004
125	100	HDR biased	0.5961	0.5957	-0.0004
126	100	HDR biased	0.5961	0.5957	-0.0004
127	50	HDR biased	0.5961	0.5961	0
128	50	HDR biased	0.5972	0.5972	0
129	50	HDR biased	0.5958	0.5959	0.0001
130	50	HDR biased	0.5973	0.597	-0.0003
132	50	HDR biased	0.5964	0.5964	0
149	100	HDR unbiased	0.5974	0.597	-0.0004
150	100	HDR unbiased	0.5978	0.5971	-0.0007
151	100	HDR unbiased	0.5971	0.5962	-0.0009
152	100	HDR unbiased	0.5969	0.5963	-0.0006
153	100	HDR unbiased	0.5955	0.5948	-0.0007
164	30	HDR biased	0.5964	0.5964	0
165	30	HDR biased	0.5958	0.5957	-0.0001
166	30	HDR biased	0.5971	0.5967	-0.0004
168	30	HDR biased	0.5967	0.5965	-0.0002
169	30	HDR biased	0.5971	0.5969	-0.0002
170	10	HDR biased	0.597	0.5969	-0.0001
171	10	HDR biased	0.5969	0.5969	0
172	10	HDR biased	0.5981	0.5979	-0.0002
173	10	HDR biased	0.5959	0.5958	-0.0001
174	10	HDR biased	0.5957	0.5957	0
175	3	HDR biased	0.5964	0.5965	0.0001
176	3	HDR biased	0.5975	0.5974	-0.0001
178	3	HDR biased	0.5971	0.5971	0
179	3	HDR biased	0.5971	0.5971	0
180	3	HDR biased	0.5979	0.5979	0
187	0	correlation	0.5965	0.5965	0
188	0	correlation	0.5966	0.5966	0
189	0	correlation	0.5973	0.5972	-0.0001
190	0	correlation	0.5973	0.5972	-0.0001
191	0	correlation	0.5975	0.5974	-0.0001
192	0	correlation	0.5971	0.597	-0.0001
193	0	correlation	0.5965	0.5965	0

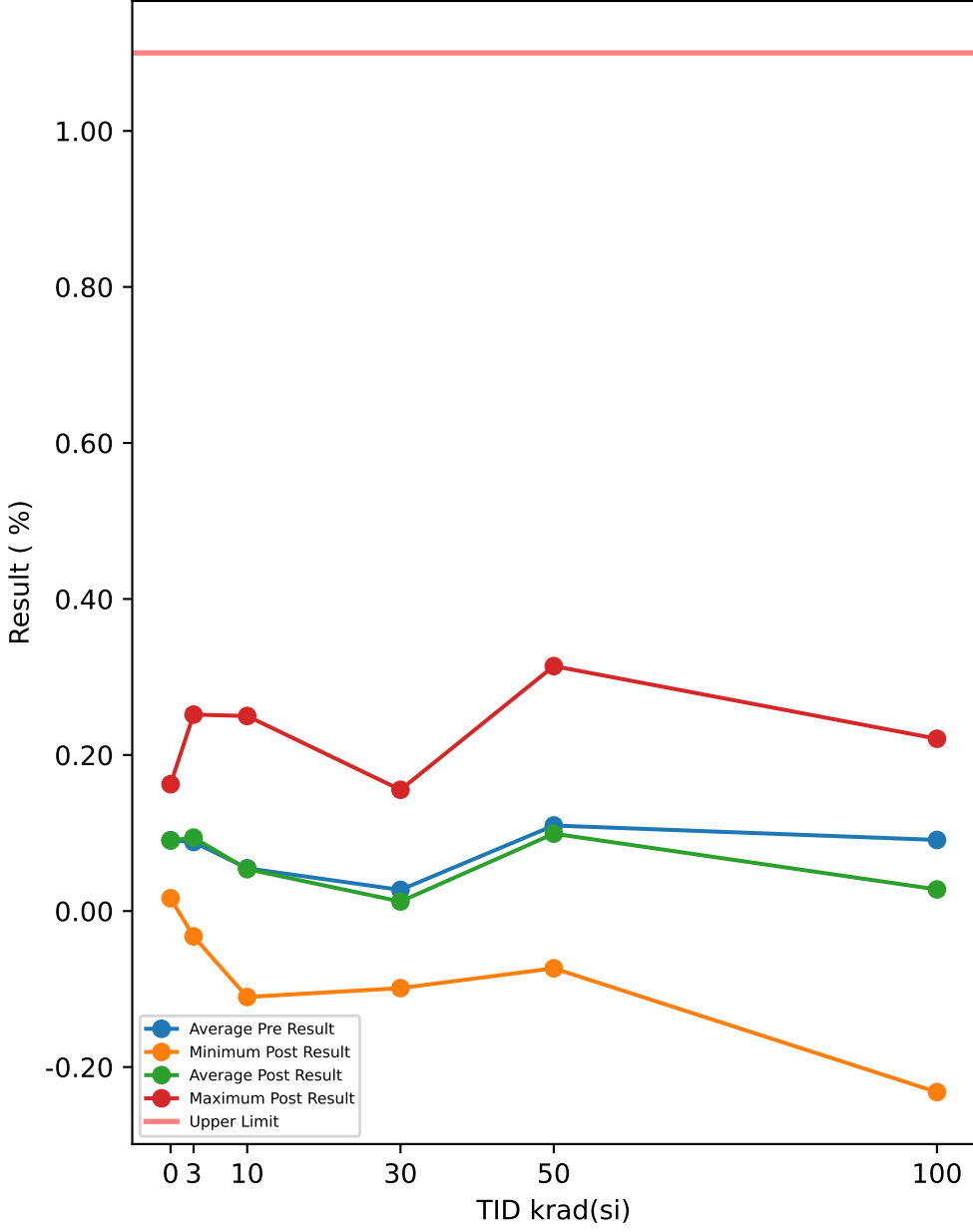
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5965	0.59697	0.5975	0.00042706	0.5965	0.59691	0.5974	0.00037607	-0.0001	-5.7143e-05	0	5.3452e-05
3	0.5962	0.59692	0.5979	0.00053707	0.5962	0.59693	0.5979	0.00050783	-0.0001	1e-05	0.0001	5.6765e-05
10	0.5957	0.59674	0.5981	0.00081404	0.5957	0.59669	0.5979	0.00081028	-0.0002	-5e-05	0.0001	8.4984e-05
30	0.5958	0.59656	0.5975	0.00061137	0.5957	0.59641	0.5973	0.00053427	-0.0004	-0.00015	0	0.00011785
50	0.5958	0.59703	0.5984	0.00081384	0.5959	0.59686	0.5981	0.00065184	-0.0006	-0.00017	0.0001	0.00021108
100	0.5955	0.59693	0.5981	0.00083673	0.5948	0.5964	0.5976	0.00085114	-0.0009	-0.00053	-0.0003	0.00018886

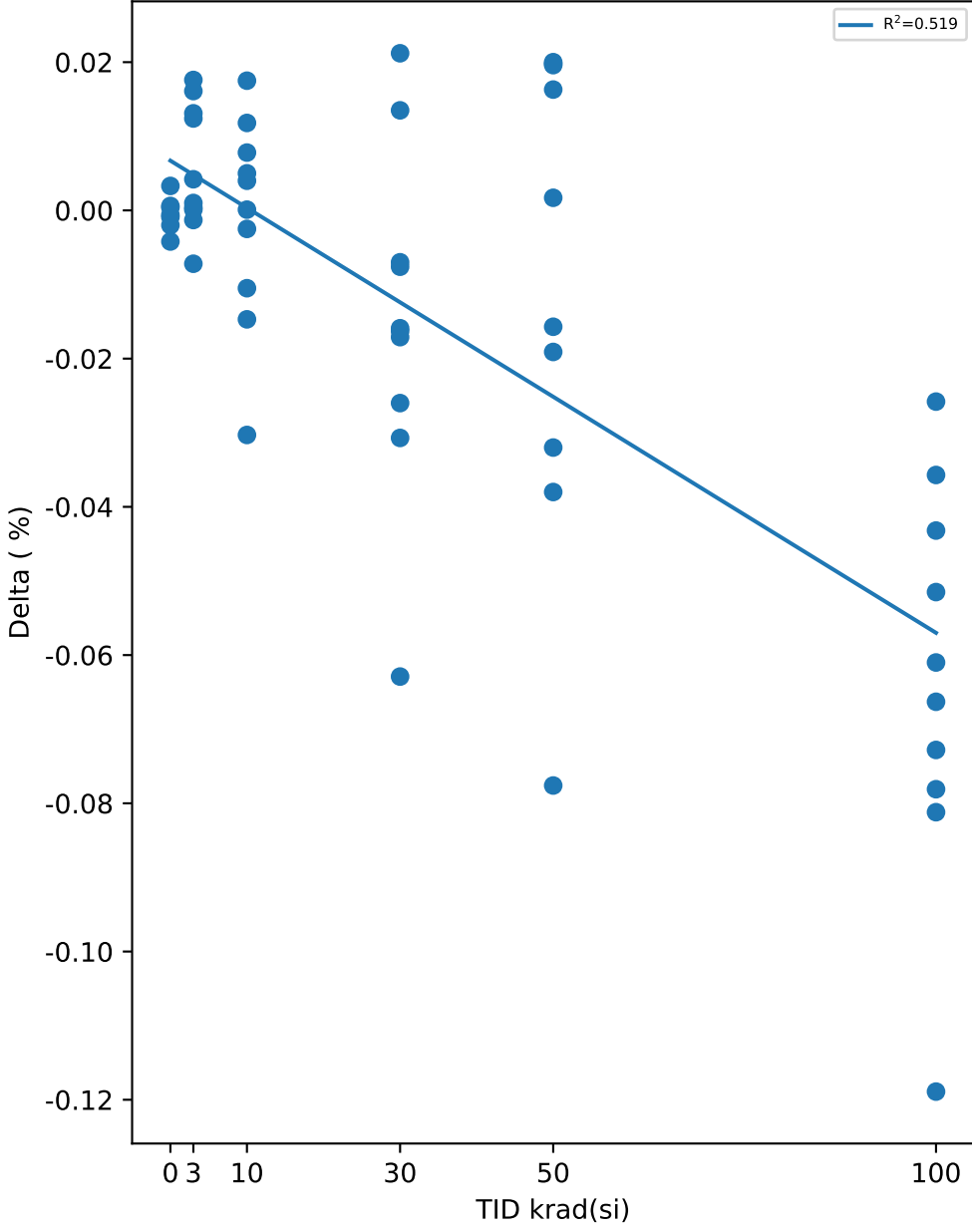
TID vs Result Stats



Test Results (Upper Limit = 1.1 (%))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.0782	0.0824	0.0042
55	3	HDR unbiased	0.0232	0.0236	0.0004
57	3	HDR unbiased	0.1321	0.1497	0.0176
58	3	HDR unbiased	0.0181	0.0342	0.0161
59	3	HDR unbiased	-0.0312	-0.0325	-0.0013
82	10	HDR unbiased	0.1275	0.145	0.0175
83	10	HDR unbiased	0.2362	0.244	0.0078
84	10	HDR unbiased	-0.0394	-0.0419	-0.0025
85	10	HDR unbiased	-0.0547	-0.0652	-0.0105
87	10	HDR unbiased	0.0193	0.0233	0.004
94	30	HDR unbiased	0.1713	0.1554	-0.0159
95	30	HDR unbiased	-0.1031	-0.0819	0.0212
97	30	HDR unbiased	0.0939	0.0768	-0.0171
98	30	HDR unbiased	-0.0871	-0.0947	-0.0076
99	30	HDR unbiased	-0.0134	-0.0204	-0.007
105	50	HDR unbiased	0.0875	0.0892	0.0017
107	50	HDR unbiased	0.2862	0.2086	-0.0776
108	50	HDR unbiased	0.0892	0.0735	-0.0157
109	50	HDR unbiased	0.3331	0.314	-0.0191
110	50	HDR unbiased	0.1374	0.1054	-0.032
121	100	HDR biased	0.0575	0.0317	-0.0258
123	100	HDR biased	0.2936	0.2208	-0.0728
124	100	HDR biased	0.1981	0.1549	-0.0432
125	100	HDR biased	-0.0532	-0.0889	-0.0357
126	100	HDR biased	-0.0361	-0.0971	-0.061
127	50	HDR biased	-0.046	-0.026	0.02
128	50	HDR biased	0.1489	0.1652	0.0163
129	50	HDR biased	-0.093	-0.0734	0.0196
130	50	HDR biased	0.1554	0.1174	-0.038
132	50	HDR biased	-0.0021	0.0177	0.0198
149	100	HDR unbiased	0.1749	0.1234	-0.0515
150	100	HDR unbiased	0.2257	0.1476	-0.0781
151	100	HDR unbiased	0.1154	-0.0035	-0.1189
152	100	HDR unbiased	0.0862	0.0199	-0.0663
153	100	HDR unbiased	-0.1509	-0.2321	-0.0812
164	30	HDR biased	-0.0138	-0.0003	0.0135
165	30	HDR biased	-0.0825	-0.0988	-0.0163
166	30	HDR biased	0.1212	0.0583	-0.0629
168	30	HDR biased	0.0585	0.0325	-0.026
169	30	HDR biased	0.1256	0.0949	-0.0307
170	10	HDR biased	0.0952	0.0953	0.0001
171	10	HDR biased	0.085	0.0968	0.0118
172	10	HDR biased	0.2803	0.25	-0.0303
173	10	HDR biased	-0.086	-0.1007	-0.0147
174	10	HDR biased	-0.1152	-0.1102	0.005
175	3	HDR biased	0.0036	0.016	0.0124
176	3	HDR biased	0.1886	0.1814	-0.0072
178	3	HDR biased	0.112	0.113	0.001
179	3	HDR biased	0.1213	0.1214	0.0001
180	3	HDR biased	0.2387	0.2518	0.0131
187	0	correlation	0.0197	0.0188	-0.0009
188	0	correlation	0.0394	0.0427	0.0033
189	0	correlation	0.1456	0.1436	-0.002
190	0	correlation	0.1392	0.1396	0.0004
191	0	correlation	0.162	0.1626	0.0006
192	0	correlation	0.1095	0.1089	-0.0006
193	0	correlation	0.0206	0.0164	-0.0042

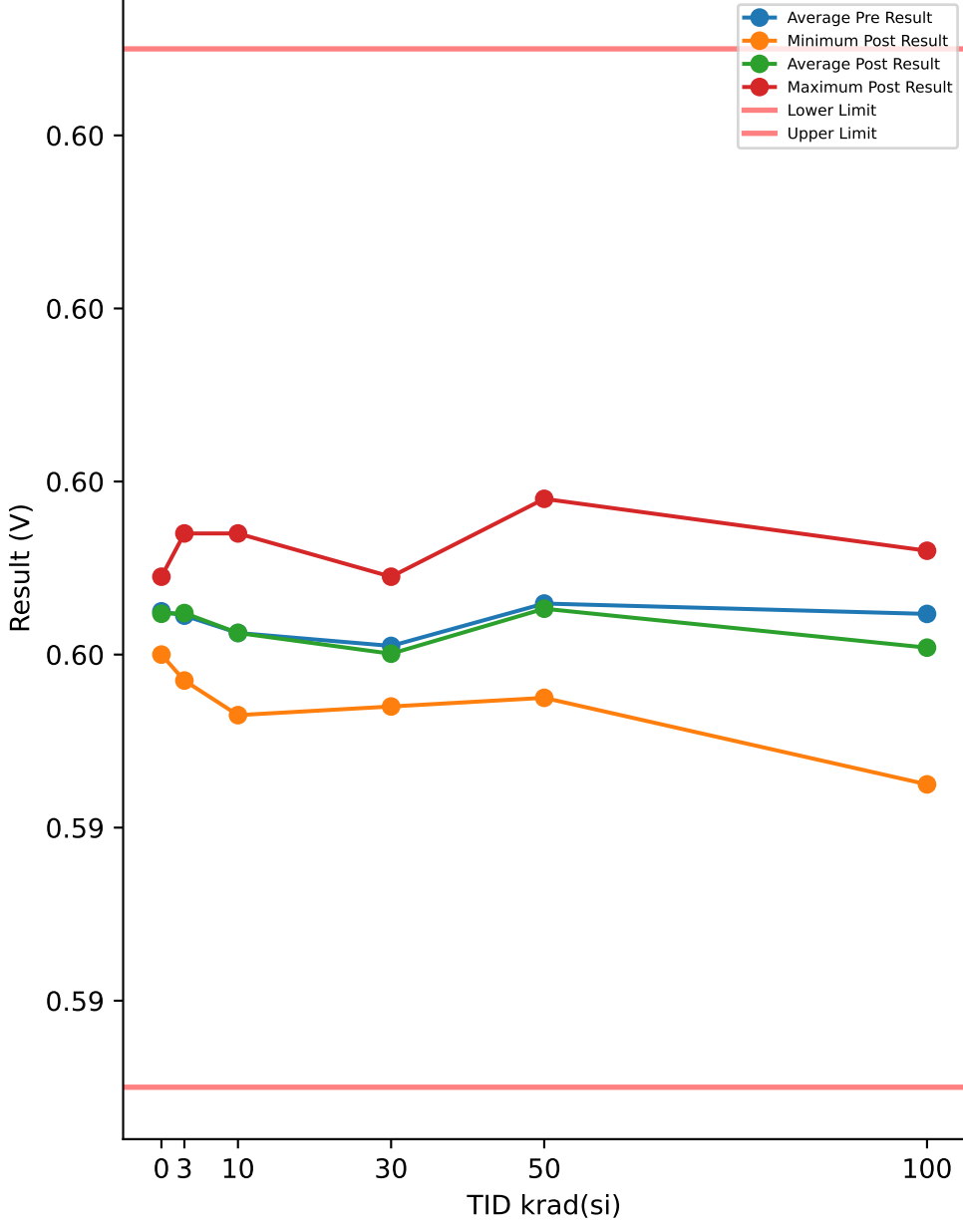
TID vs Post - Pre Exposure Delta



Test Statistics (%)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.0197	0.090857	0.162	0.062437	0.0164	0.090371	0.1626	0.062828	-0.0042	-0.00048571	0.0033	0.0023298
3	-0.0312	0.08846	0.2387	0.086263	-0.0325	0.0941	0.2518	0.086607	-0.0072	0.00564	0.0176	0.0084891
10	-0.1152	0.05482	0.2803	0.13434	-0.1102	0.05364	0.25	0.13399	-0.0303	-0.00118	0.0175	0.01408
30	-0.1031	0.02706	0.1713	0.10007	-0.0988	0.01218	0.1554	0.086845	-0.0629	-0.01488	0.0212	0.023357
50	-0.093	0.10966	0.3331	0.13507	-0.0734	0.09916	0.314	0.11338	-0.0776	-0.0105	0.02	0.032392
100	-0.1509	0.09112	0.2936	0.13941	-0.2321	0.02767	0.2208	0.13933	-0.1189	-0.06345	-0.0258	0.026763

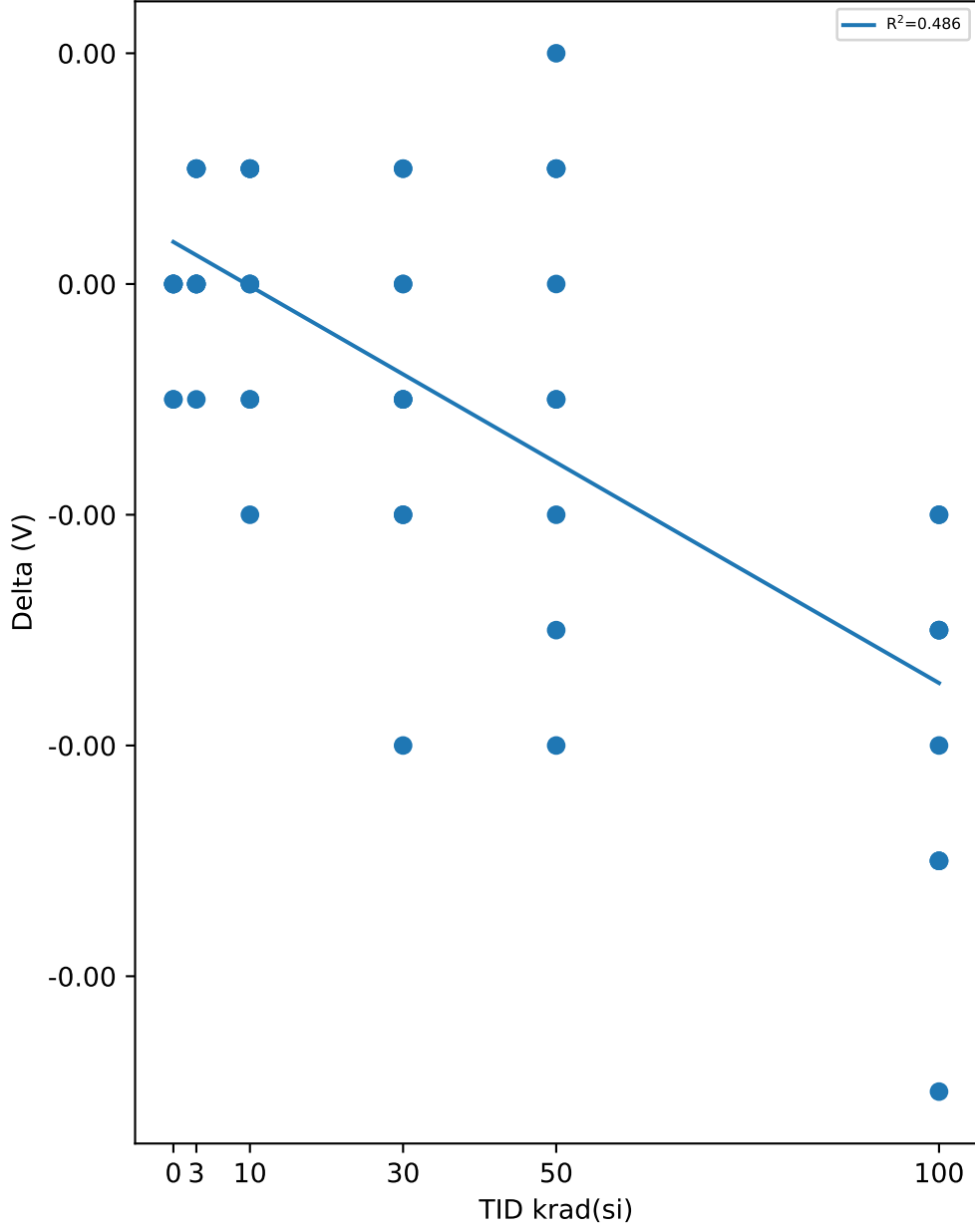
TID vs Result Stats



Test Results (Lower Limit = 0.591, Upper Limit = 0.603 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.5964	0.5964	0
55	3	HDR unbiased	0.5961	0.5961	0
57	3	HDR unbiased	0.5967	0.5968	0.0001
58	3	HDR unbiased	0.596	0.5961	0.0001
59	3	HDR unbiased	0.5958	0.5957	-0.0001
82	10	HDR unbiased	0.5967	0.5968	0.0001
83	10	HDR unbiased	0.5973	0.5974	0.0001
84	10	HDR unbiased	0.5957	0.5957	0
85	10	HDR unbiased	0.5956	0.5955	-0.0001
87	10	HDR unbiased	0.5961	0.5961	0
94	30	HDR unbiased	0.597	0.5969	-0.0001
95	30	HDR unbiased	0.5953	0.5954	0.0001
97	30	HDR unbiased	0.5965	0.5964	-0.0001
98	30	HDR unbiased	0.5954	0.5954	0
99	30	HDR unbiased	0.5959	0.5958	-0.0001
105	50	HDR unbiased	0.5965	0.5965	0
107	50	HDR unbiased	0.5976	0.5972	-0.0004
108	50	HDR unbiased	0.5965	0.5964	-0.0001
109	50	HDR unbiased	0.5979	0.5978	-0.0001
110	50	HDR unbiased	0.5968	0.5966	-0.0002
121	100	HDR biased	0.5963	0.5961	-0.0002
123	100	HDR biased	0.5977	0.5972	-0.0005
124	100	HDR biased	0.5971	0.5968	-0.0003
125	100	HDR biased	0.5956	0.5954	-0.0002
126	100	HDR biased	0.5957	0.5954	-0.0003
127	50	HDR biased	0.5956	0.5958	0.0002
128	50	HDR biased	0.5968	0.5969	0.0001
129	50	HDR biased	0.5954	0.5955	0.0001
130	50	HDR biased	0.5969	0.5966	-0.0003
132	50	HDR biased	0.5959	0.596	0.0001
149	100	HDR unbiased	0.597	0.5967	-0.0003
150	100	HDR unbiased	0.5973	0.5968	-0.0005
151	100	HDR unbiased	0.5966	0.5959	-0.0007
152	100	HDR unbiased	0.5964	0.596	-0.0004
153	100	HDR unbiased	0.595	0.5945	-0.0005
164	30	HDR biased	0.5958	0.5959	0.0001
165	30	HDR biased	0.5954	0.5954	0
166	30	HDR biased	0.5967	0.5963	-0.0004
168	30	HDR biased	0.5963	0.5961	-0.0002
169	30	HDR biased	0.5967	0.5965	-0.0002
170	10	HDR biased	0.5965	0.5965	0
171	10	HDR biased	0.5964	0.5965	0.0001
172	10	HDR biased	0.5976	0.5974	-0.0002
173	10	HDR biased	0.5954	0.5953	-0.0001
174	10	HDR biased	0.5952	0.5953	0.0001
175	3	HDR biased	0.5959	0.596	0.0001
176	3	HDR biased	0.597	0.597	0
178	3	HDR biased	0.5966	0.5966	0
179	3	HDR biased	0.5966	0.5967	0.0001
180	3	HDR biased	0.5974	0.5974	0
187	0	correlation	0.5961	0.596	-0.0001
188	0	correlation	0.5962	0.5962	0
189	0	correlation	0.5968	0.5968	0
190	0	correlation	0.5968	0.5968	0
191	0	correlation	0.5969	0.5969	0
192	0	correlation	0.5966	0.5966	0
193	0	correlation	0.5961	0.596	-0.0001

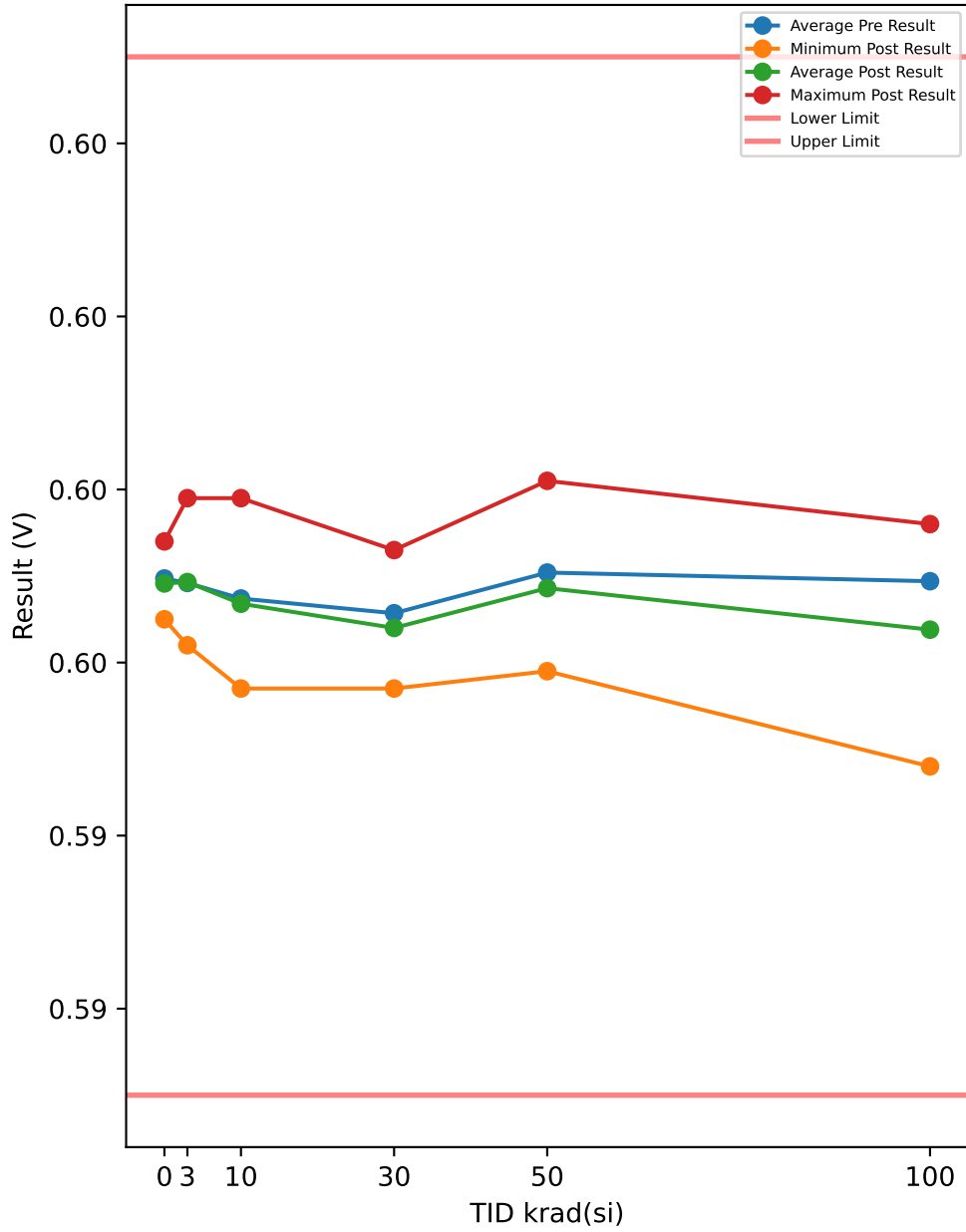
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5961	0.5965	0.5969	0.0003559	0.596	0.59647	0.5969	0.00039461	-0.0001	-2.8571e-05	0	4.8795e-05
3	0.5958	0.59645	0.5974	0.00051262	0.5957	0.59648	0.5974	0.00051812	-0.0001	3e-05	0.0001	6.7495e-05
10	0.5952	0.59625	0.5976	0.00080173	0.5953	0.59625	0.5974	0.00080035	-0.0002	1.1102e-17	0.0001	0.00010541
30	0.5953	0.5961	0.597	0.00062183	0.5954	0.59601	0.5969	0.00052164	-0.0004	-9e-05	0.0001	0.00015239
50	0.5954	0.59659	0.5979	0.0008034	0.5955	0.59653	0.5978	0.00067503	-0.0004	-6e-05	0.0002	0.00019551
100	0.595	0.59647	0.5977	0.00084597	0.5945	0.59608	0.5972	0.0008257	-0.0007	-0.00039	-0.0002	0.00015951

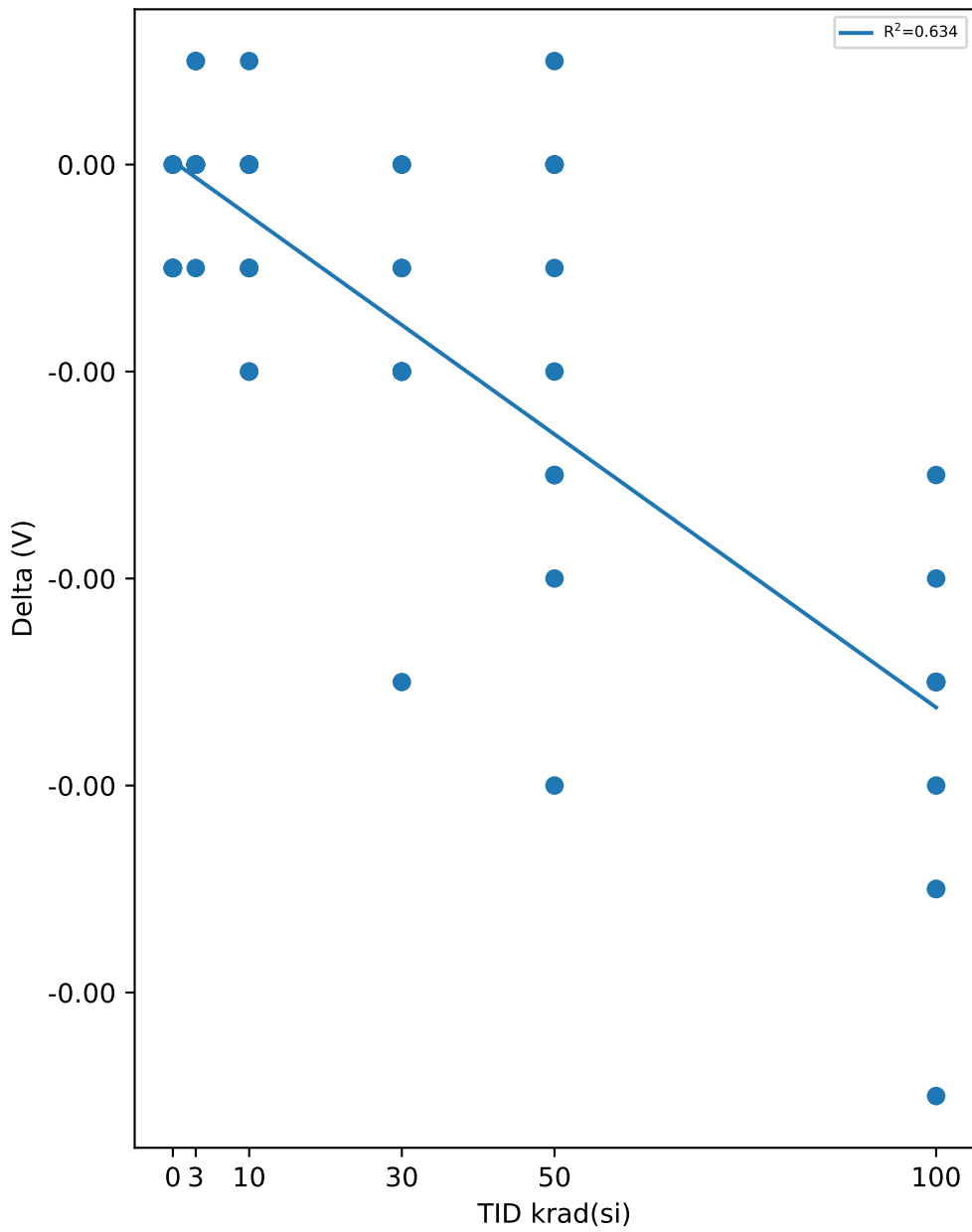
TID vs Result Stats



Test Results (Lower Limit = 0.591, Upper Limit = 0.603 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.5968	0.5968	0
55	3	HDR unbiased	0.5965	0.5965	0
57	3	HDR unbiased	0.5972	0.5972	0
58	3	HDR unbiased	0.5965	0.5966	0.0001
59	3	HDR unbiased	0.5962	0.5962	0
82	10	HDR unbiased	0.5971	0.5972	0.0001
83	10	HDR unbiased	0.5979	0.5979	0
84	10	HDR unbiased	0.5962	0.5961	-0.0001
85	10	HDR unbiased	0.5961	0.596	-0.0001
87	10	HDR unbiased	0.5965	0.5965	0
94	30	HDR unbiased	0.5975	0.5973	-0.0002
95	30	HDR unbiased	0.5958	0.5958	0
97	30	HDR unbiased	0.597	0.5968	-0.0002
98	30	HDR unbiased	0.5959	0.5958	-0.0001
99	30	HDR unbiased	0.5964	0.5962	-0.0002
105	50	HDR unbiased	0.5969	0.5968	-0.0001
107	50	HDR unbiased	0.5981	0.5975	-0.0006
108	50	HDR unbiased	0.5969	0.5967	-0.0002
109	50	HDR unbiased	0.5984	0.5981	-0.0003
110	50	HDR unbiased	0.5973	0.5969	-0.0004
121	100	HDR biased	0.5967	0.5964	-0.0003
123	100	HDR biased	0.5981	0.5976	-0.0005
124	100	HDR biased	0.5976	0.5971	-0.0005
125	100	HDR biased	0.5961	0.5957	-0.0004
126	100	HDR biased	0.5961	0.5956	-0.0005
127	50	HDR biased	0.5961	0.5961	0
128	50	HDR biased	0.5972	0.5972	0
129	50	HDR biased	0.5958	0.5959	0.0001
130	50	HDR biased	0.5973	0.597	-0.0003
132	50	HDR biased	0.5964	0.5964	0
149	100	HDR unbiased	0.5975	0.597	-0.0005
150	100	HDR unbiased	0.5978	0.5971	-0.0007
151	100	HDR unbiased	0.5971	0.5962	-0.0009
152	100	HDR unbiased	0.5969	0.5963	-0.0006
153	100	HDR unbiased	0.5955	0.5948	-0.0007
164	30	HDR biased	0.5964	0.5964	0
165	30	HDR biased	0.5958	0.5957	-0.0001
166	30	HDR biased	0.5971	0.5966	-0.0005
168	30	HDR biased	0.5967	0.5965	-0.0002
169	30	HDR biased	0.5971	0.5969	-0.0002
170	10	HDR biased	0.597	0.5969	-0.0001
171	10	HDR biased	0.5969	0.5969	0
172	10	HDR biased	0.5981	0.5979	-0.0002
173	10	HDR biased	0.5959	0.5957	-0.0002
174	10	HDR biased	0.5957	0.5957	0
175	3	HDR biased	0.5964	0.5965	0.0001
176	3	HDR biased	0.5975	0.5974	-0.0001
178	3	HDR biased	0.5971	0.5971	0
179	3	HDR biased	0.5971	0.5971	0
180	3	HDR biased	0.5979	0.5979	0
187	0	correlation	0.5965	0.5965	0
188	0	correlation	0.5966	0.5966	0
189	0	correlation	0.5973	0.5972	-0.0001
190	0	correlation	0.5973	0.5972	-0.0001
191	0	correlation	0.5975	0.5974	-0.0001
192	0	correlation	0.5971	0.597	-0.0001
193	0	correlation	0.5965	0.5965	0

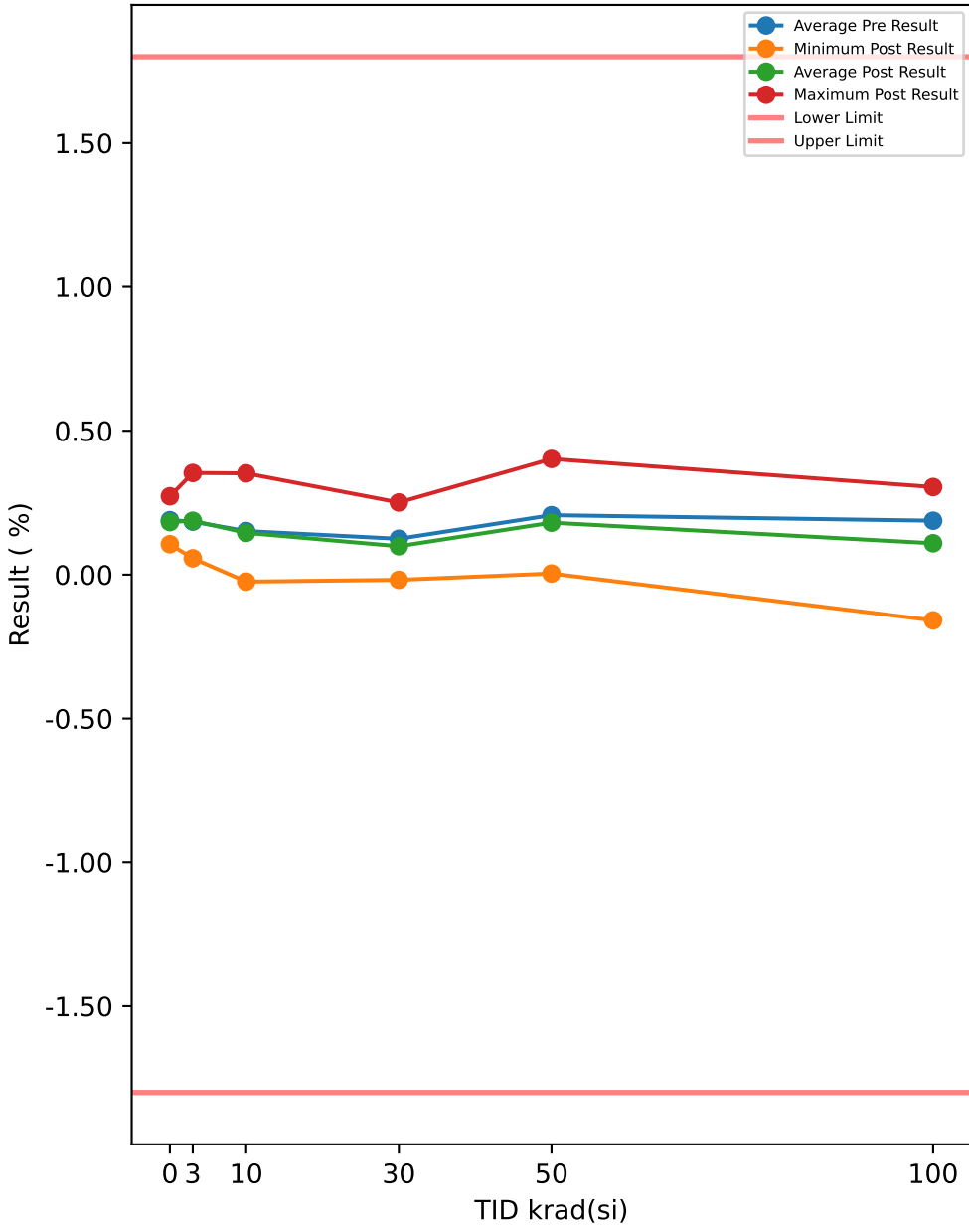
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5965	0.59697	0.5975	0.00042706	0.5965	0.59691	0.5974	0.00037607	-0.0001	-5.7143e-05	0	5.3452e-05
3	0.5962	0.59692	0.5979	0.00053707	0.5962	0.59693	0.5979	0.00050783	-0.0001	1e-05	0.0001	5.6765e-05
10	0.5957	0.59674	0.5981	0.00081404	0.5957	0.59668	0.5979	0.000823	-0.0002	-6e-05	0.0001	9.6609e-05
30	0.5958	0.59657	0.5975	0.00060745	0.5957	0.5964	0.5973	0.00052915	-0.0005	-0.00017	0	0.00014181
50	0.5958	0.59704	0.5984	0.00081677	0.5959	0.59686	0.5981	0.00065184	-0.0006	-0.00018	0.0001	0.0002201
100	0.5955	0.59694	0.5981	0.00084354	0.5948	0.59638	0.5976	0.00085088	-0.0009	-0.00056	-0.0003	0.00017127

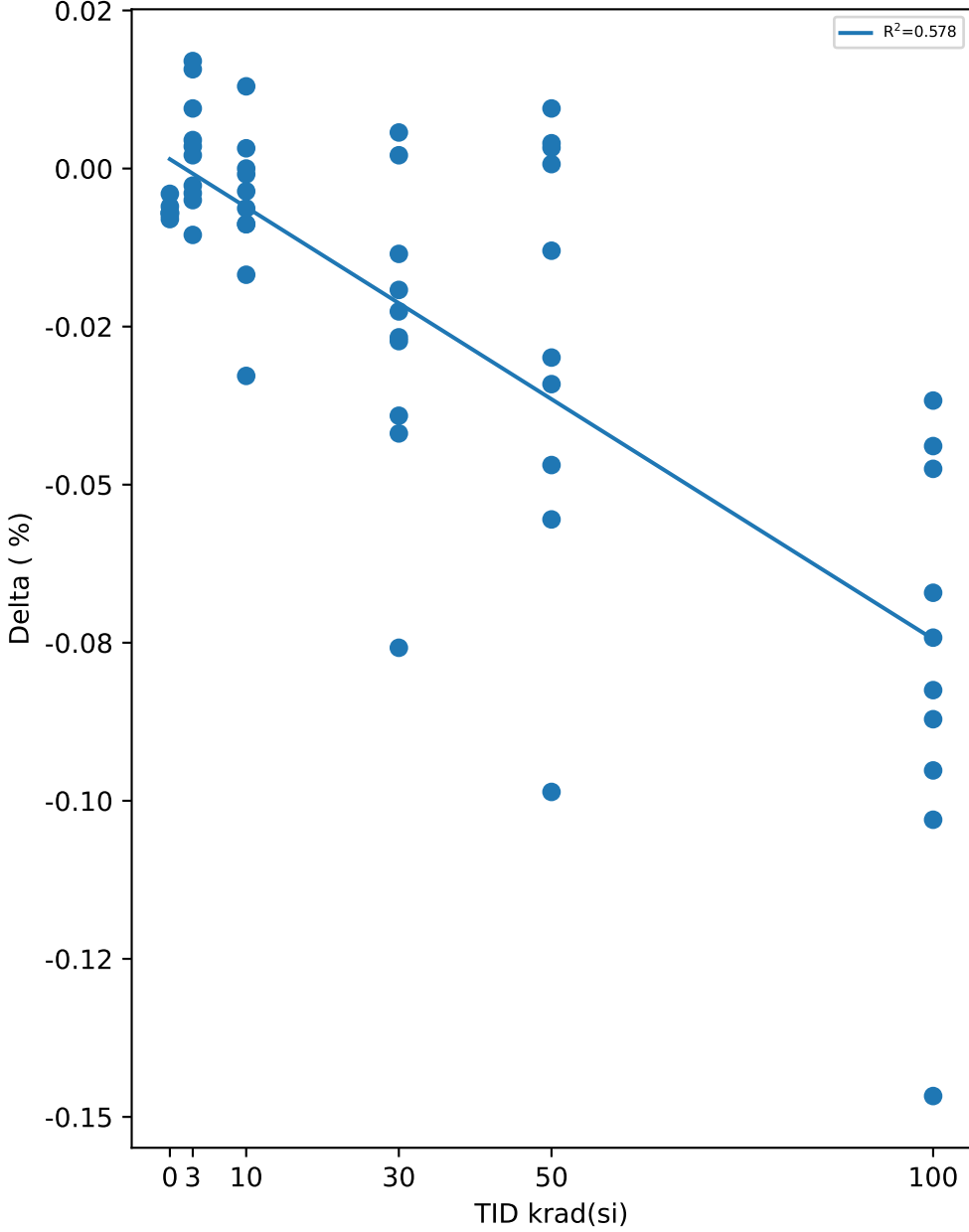
TID vs Result Stats



Test Results (Lower Limit = -1.8, Upper Limit = 1.8 (%))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.1608	0.1629	0.0021
55	3	HDR unbiased	0.1133	0.1168	0.0035
57	3	HDR unbiased	0.2294	0.2464	0.017
58	3	HDR unbiased	0.1116	0.1273	0.0157
59	3	HDR unbiased	0.0617	0.0567	-0.005
82	10	HDR unbiased	0.2191	0.2321	0.013
83	10	HDR unbiased	0.3474	0.3465	-0.0009
84	10	HDR unbiased	0.0554	0.0491	-0.0063
85	10	HDR unbiased	0.0383	0.0295	-0.0088
87	10	HDR unbiased	0.1179	0.1143	-0.0036
94	30	HDR unbiased	0.2781	0.2508	-0.0273
95	30	HDR unbiased	-0.0055	0.0002	0.0057
97	30	HDR unbiased	0.1949	0.1682	-0.0267
98	30	HDR unbiased	0.0057	-0.0078	-0.0135
99	30	HDR unbiased	0.0839	0.0647	-0.0192
105	50	HDR unbiased	0.1775	0.1645	-0.013
107	50	HDR unbiased	0.3925	0.2939	-0.0986
108	50	HDR unbiased	0.1884	0.1585	-0.0299
109	50	HDR unbiased	0.4362	0.4021	-0.0341
110	50	HDR unbiased	0.2381	0.1912	-0.0469
121	100	HDR biased	0.1565	0.1198	-0.0367
123	100	HDR biased	0.3915	0.3044	-0.0871
124	100	HDR biased	0.2977	0.2502	-0.0475
125	100	HDR biased	0.0411	-0.0028	-0.0439
126	100	HDR biased	0.05	-0.0171	-0.0671
127	50	HDR biased	0.0412	0.0507	0.0095
128	50	HDR biased	0.2435	0.2442	0.0007
129	50	HDR biased	0.0005	0.0038	0.0033
130	50	HDR biased	0.2552	0.1997	-0.0555
132	50	HDR biased	0.0938	0.0978	0.004
149	100	HDR unbiased	0.2717	0.1975	-0.0742
150	100	HDR unbiased	0.3278	0.2326	-0.0952
151	100	HDR unbiased	0.2125	0.0658	-0.1467
152	100	HDR unbiased	0.1812	0.0987	-0.0825
153	100	HDR unbiased	-0.0559	-0.1589	-0.103
164	30	HDR biased	0.0886	0.0907	0.0021
165	30	HDR biased	0.0044	-0.0182	-0.0226
166	30	HDR biased	0.2128	0.137	-0.0758
168	30	HDR biased	0.163	0.1239	-0.0391
169	30	HDR biased	0.2199	0.178	-0.0419
170	10	HDR biased	0.1924	0.1836	-0.0088
171	10	HDR biased	0.1747	0.1779	0.0032
172	10	HDR biased	0.3848	0.352	-0.0328
173	10	HDR biased	0.0082	-0.0086	-0.0168
174	10	HDR biased	-0.0243	-0.0243	0
175	3	HDR biased	0.1095	0.114	0.0045
176	3	HDR biased	0.2801	0.2696	-0.0105
178	3	HDR biased	0.2093	0.2054	-0.0039
179	3	HDR biased	0.2227	0.22	-0.0027
180	3	HDR biased	0.3438	0.3533	0.0095
187	0	correlation	0.1131	0.1057	-0.0074
188	0	correlation	0.125	0.121	-0.004
189	0	correlation	0.2405	0.2335	-0.007
190	0	correlation	0.2443	0.2373	-0.007
191	0	correlation	0.2783	0.2723	-0.006
192	0	correlation	0.2099	0.2019	-0.008
193	0	correlation	0.1137	0.1067	-0.007

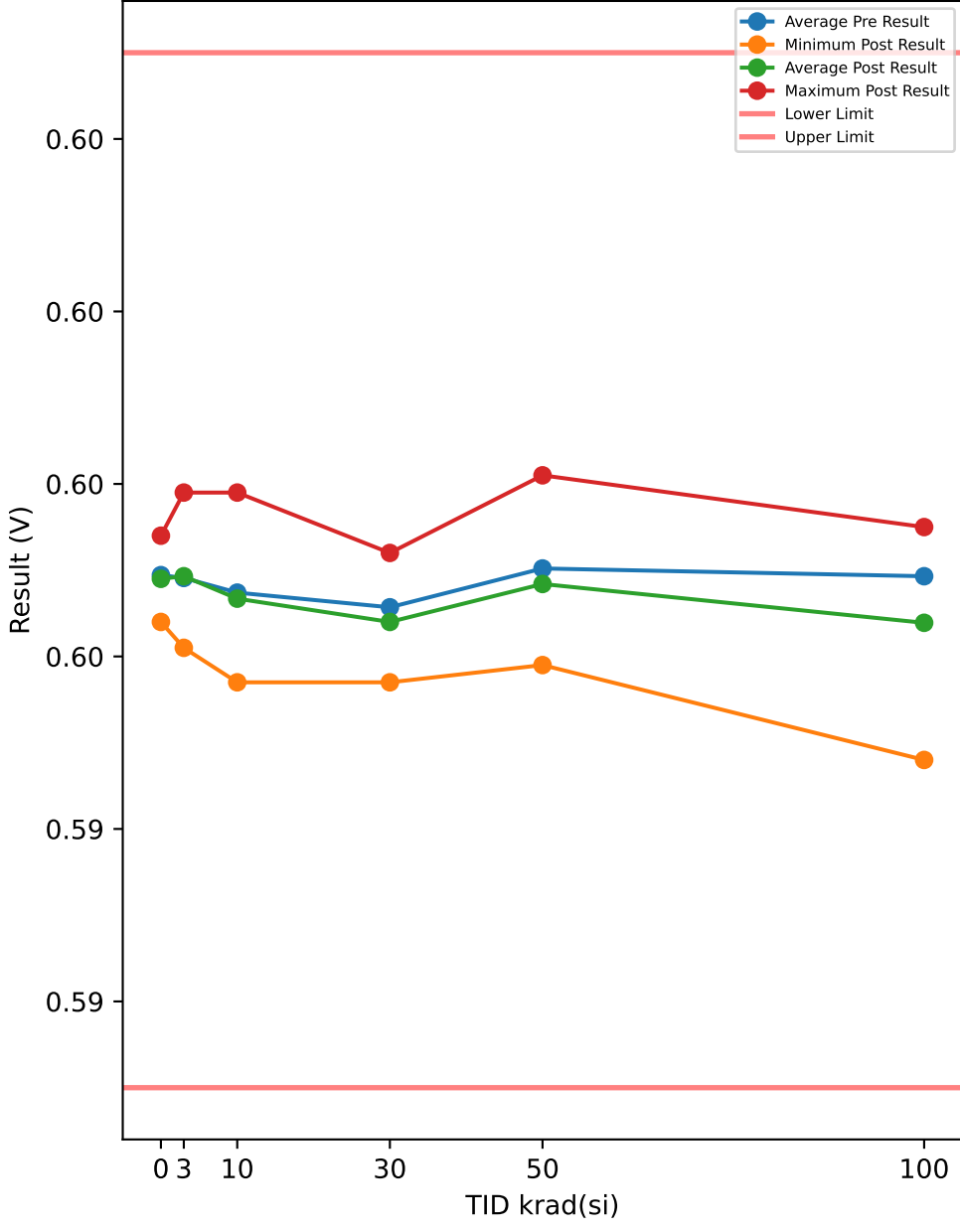
TID vs Post - Pre Exposure Delta



Test Statistics (%)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.1131	0.18926	0.2783	0.070295	0.1057	0.18263	0.2723	0.070084	-0.008	-0.0066286	-0.004	0.0013035
3	0.0617	0.18422	0.3438	0.088353	0.0567	0.18724	0.3533	0.088703	-0.0105	0.00302	0.017	0.0090012
10	-0.0243	0.15139	0.3848	0.13913	-0.0243	0.14521	0.352	0.13717	-0.0328	-0.00618	0.013	0.01231
30	-0.0055	0.12458	0.2781	0.1029	-0.0182	0.09875	0.2508	0.08962	-0.0758	-0.02583	0.0057	0.023369
50	0.0005	0.20669	0.4362	0.13973	0.0038	0.18064	0.4021	0.1165	-0.0986	-0.02605	0.0095	0.034253
100	-0.0559	0.18741	0.3915	0.1421	-0.1589	0.10902	0.3044	0.14278	-0.1467	-0.07839	-0.0367	0.032786

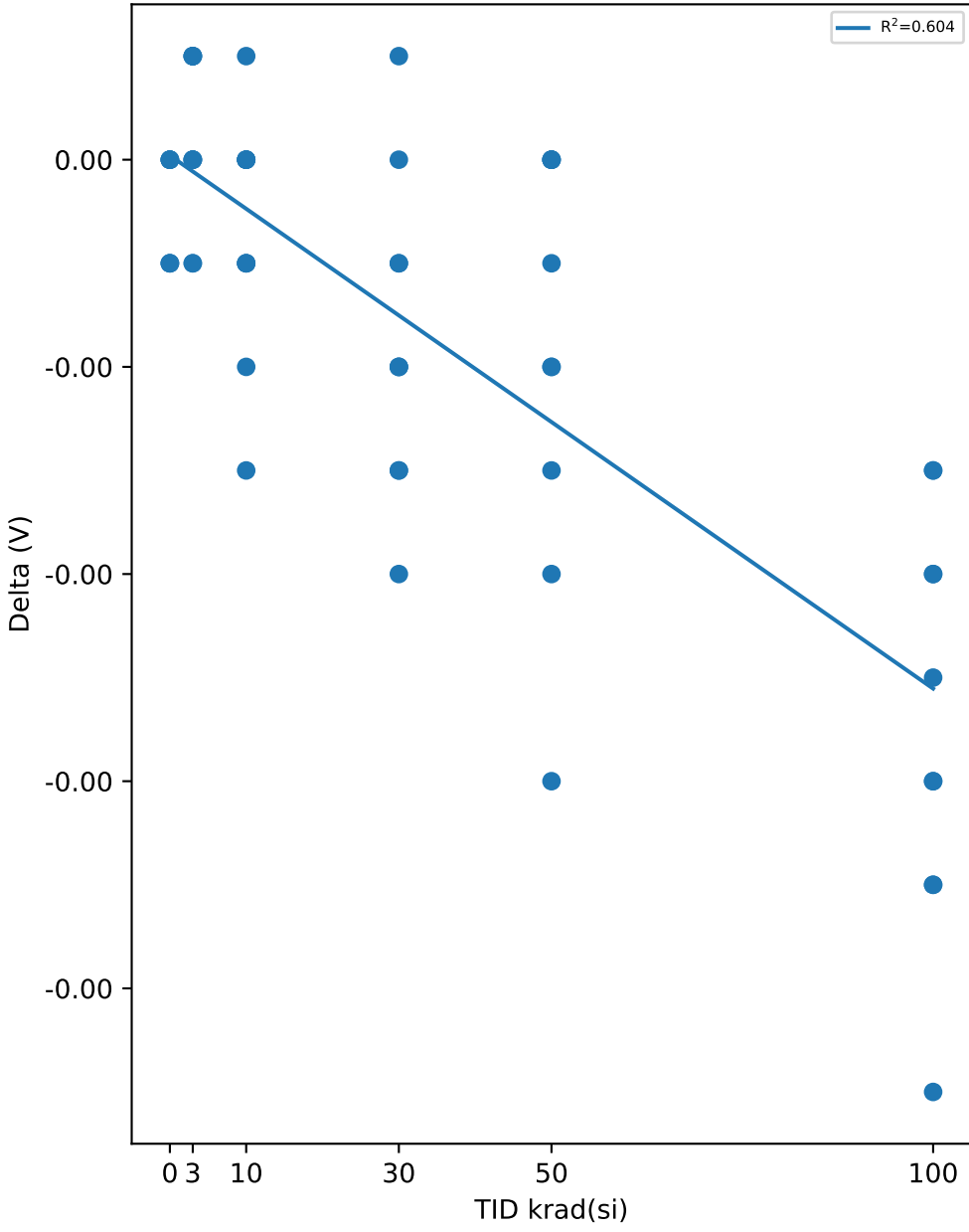
TID vs Result Stats



Test Results (Lower Limit = 0.591, Upper Limit = 0.603 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.5968	0.5969	0.0001
55	3	HDR unbiased	0.5965	0.5965	0
57	3	HDR unbiased	0.5971	0.5972	0.0001
58	3	HDR unbiased	0.5965	0.5966	0.0001
59	3	HDR unbiased	0.5962	0.5961	-0.0001
82	10	HDR unbiased	0.5971	0.5972	0.0001
83	10	HDR unbiased	0.5979	0.5979	0
84	10	HDR unbiased	0.5962	0.5961	-0.0001
85	10	HDR unbiased	0.5961	0.596	-0.0001
87	10	HDR unbiased	0.5965	0.5965	0
94	30	HDR unbiased	0.5975	0.5972	-0.0003
95	30	HDR unbiased	0.5958	0.5959	0.0001
97	30	HDR unbiased	0.597	0.5968	-0.0002
98	30	HDR unbiased	0.5959	0.5958	-0.0001
99	30	HDR unbiased	0.5963	0.5962	-0.0001
105	50	HDR unbiased	0.5969	0.5968	-0.0001
107	50	HDR unbiased	0.5981	0.5975	-0.0006
108	50	HDR unbiased	0.5969	0.5967	-0.0002
109	50	HDR unbiased	0.5983	0.5981	-0.0002
110	50	HDR unbiased	0.5972	0.5969	-0.0003
121	100	HDR biased	0.5967	0.5964	-0.0003
123	100	HDR biased	0.5981	0.5975	-0.0006
124	100	HDR biased	0.5976	0.5971	-0.0005
125	100	HDR biased	0.5961	0.5958	-0.0003
126	100	HDR biased	0.5961	0.5957	-0.0004
127	50	HDR biased	0.5961	0.5961	0
128	50	HDR biased	0.5972	0.5972	0
129	50	HDR biased	0.5959	0.5959	0
130	50	HDR biased	0.5973	0.5969	-0.0004
132	50	HDR biased	0.5963	0.5963	0
149	100	HDR unbiased	0.5974	0.597	-0.0004
150	100	HDR unbiased	0.5978	0.5971	-0.0007
151	100	HDR unbiased	0.5971	0.5962	-0.0009
152	100	HDR unbiased	0.5969	0.5963	-0.0006
153	100	HDR unbiased	0.5955	0.5948	-0.0007
164	30	HDR biased	0.5964	0.5964	0
165	30	HDR biased	0.5959	0.5957	-0.0002
166	30	HDR biased	0.5971	0.5967	-0.0004
168	30	HDR biased	0.5967	0.5964	-0.0003
169	30	HDR biased	0.5971	0.5969	-0.0002
170	10	HDR biased	0.597	0.5969	-0.0001
171	10	HDR biased	0.5969	0.5969	0
172	10	HDR biased	0.5981	0.5978	-0.0003
173	10	HDR biased	0.5959	0.5957	-0.0002
174	10	HDR biased	0.5957	0.5957	0
175	3	HDR biased	0.5964	0.5965	0.0001
176	3	HDR biased	0.5975	0.5974	-0.0001
178	3	HDR biased	0.5971	0.5971	0
179	3	HDR biased	0.5971	0.5971	0
180	3	HDR biased	0.5979	0.5979	0
187	0	correlation	0.5965	0.5965	0
188	0	correlation	0.5966	0.5966	0
189	0	correlation	0.5973	0.5972	-0.0001
190	0	correlation	0.5973	0.5972	-0.0001
191	0	correlation	0.5974	0.5974	0
192	0	correlation	0.597	0.597	0
193	0	correlation	0.5965	0.5964	-0.0001

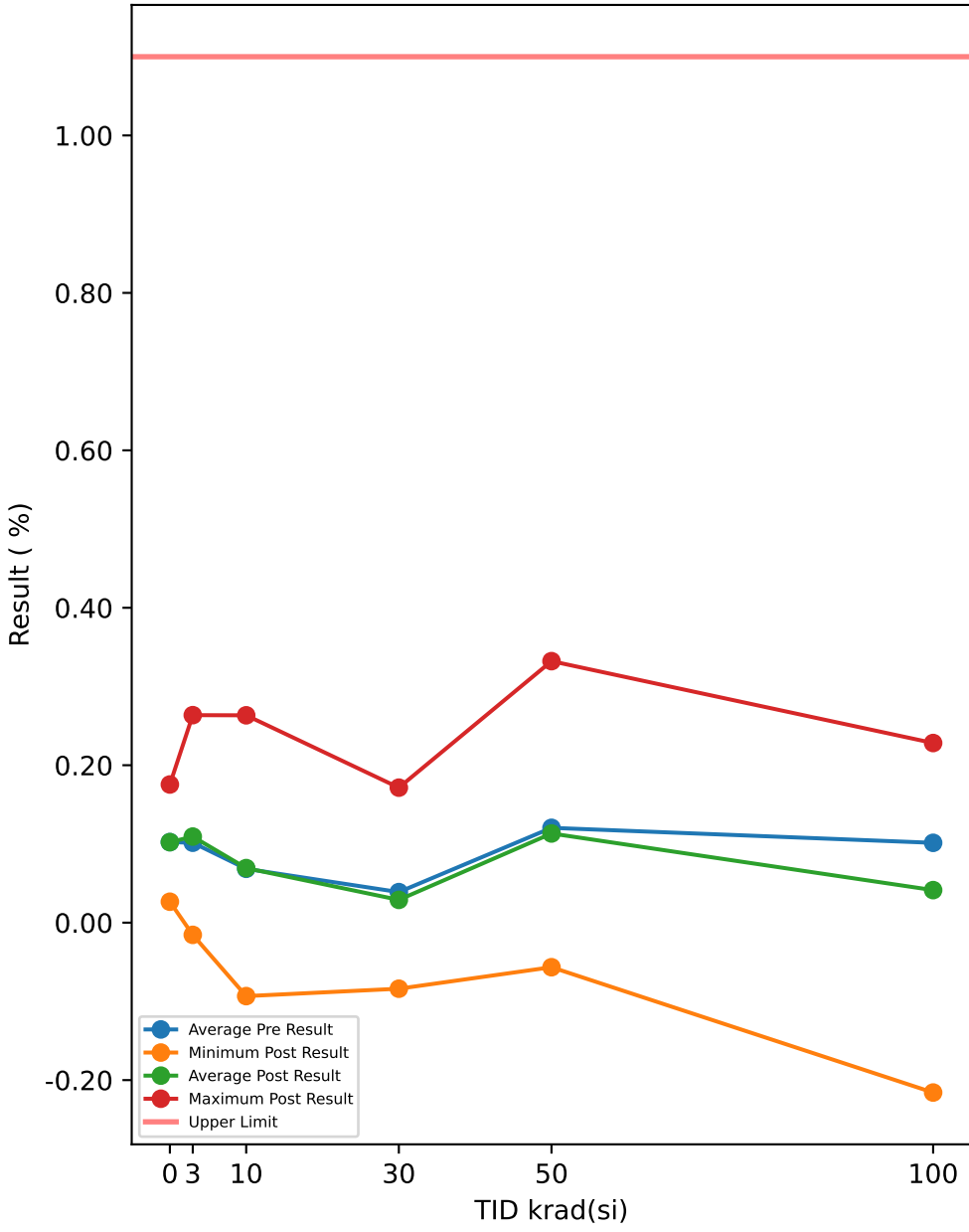
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5965	0.59694	0.5974	0.00040356	0.5964	0.5969	0.5974	0.00039581	-0.0001	-4.2857e-05	0	5.3452e-05
3	0.5962	0.59691	0.5979	0.00053219	0.5961	0.59693	0.5979	0.00052292	-0.0001	2e-05	0.0001	7.8881e-05
10	0.5957	0.59674	0.5981	0.00081404	0.5957	0.59667	0.5979	0.00080698	-0.0003	-7e-05	0.0001	0.00011595
30	0.5958	0.59657	0.5975	0.00059824	0.5957	0.5964	0.5972	0.00050332	-0.0004	-0.00017	0.0001	0.00014944
50	0.5959	0.59702	0.5983	0.00078853	0.5959	0.59684	0.5981	0.00065862	-0.0006	-0.00018	0	0.0002044
100	0.5955	0.59693	0.5981	0.00083673	0.5948	0.59639	0.5975	0.00081711	-0.0009	-0.00054	-0.0003	0.00019551

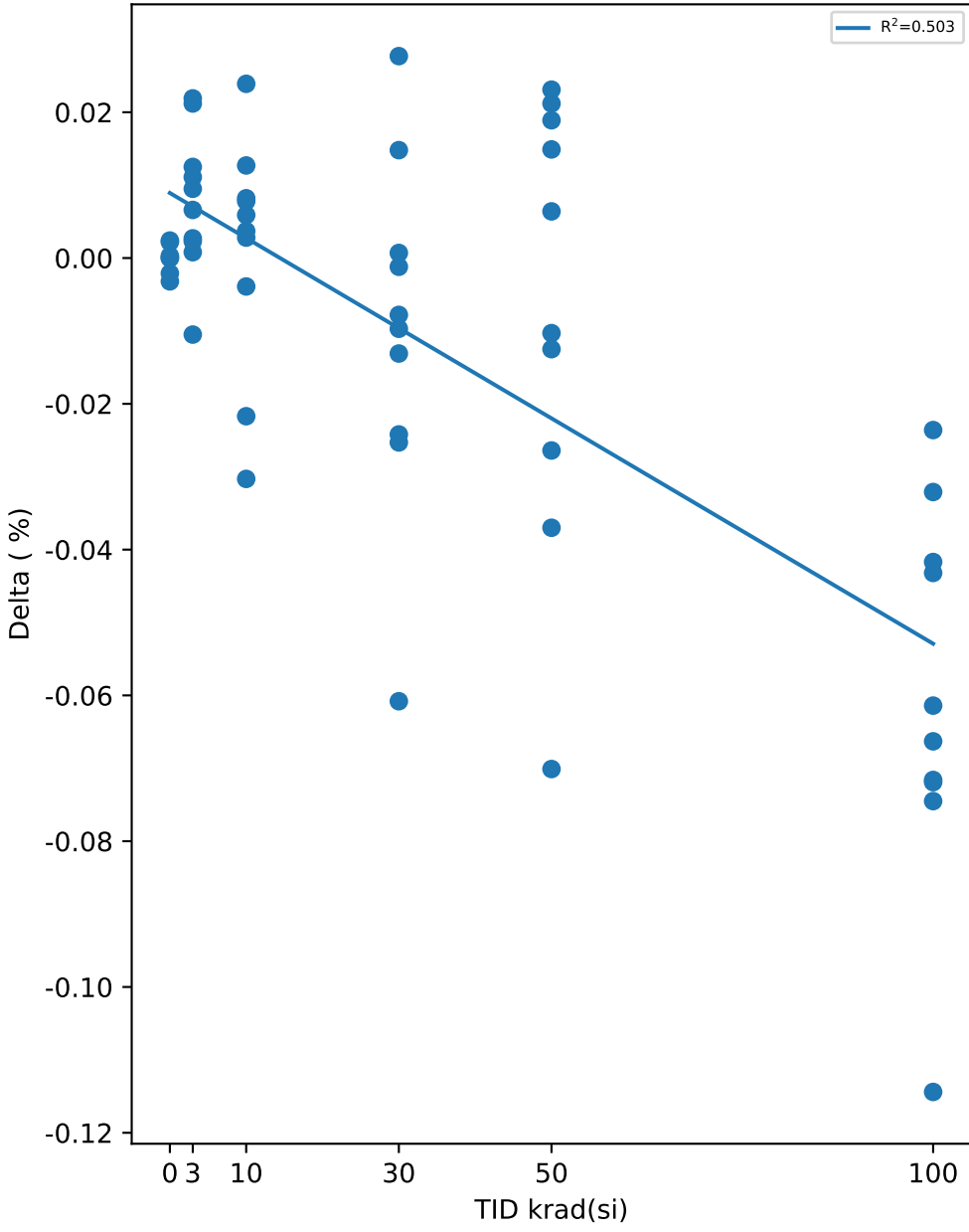
TID vs Result Stats



Test Results (Upper Limit = 1.1 (%))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.0936	0.1061	0.0125
55	3	HDR unbiased	0.0299	0.0394	0.0095
57	3	HDR unbiased	0.1418	0.163	0.0212
58	3	HDR unbiased	0.0286	0.0505	0.0219
59	3	HDR unbiased	-0.0182	-0.0155	0.0027
82	10	HDR unbiased	0.1395	0.1634	0.0239
83	10	HDR unbiased	0.2507	0.2634	0.0127
84	10	HDR unbiased	-0.0271	-0.0234	0.0037
85	10	HDR unbiased	-0.0427	-0.0466	-0.0039
87	10	HDR unbiased	0.0318	0.0396	0.0078
94	30	HDR unbiased	0.1793	0.1715	-0.0078
95	30	HDR unbiased	-0.0868	-0.0591	0.0277
97	30	HDR unbiased	0.1079	0.0982	-0.0097
98	30	HDR unbiased	-0.0742	-0.0735	0.0007
99	30	HDR unbiased	0.0017	0.0005	-0.0012
105	50	HDR unbiased	0.1017	0.1081	0.0064
107	50	HDR unbiased	0.2936	0.2235	-0.0701
108	50	HDR unbiased	0.1015	0.0912	-0.0103
109	50	HDR unbiased	0.3447	0.3322	-0.0125
110	50	HDR unbiased	0.1513	0.1249	-0.0264
121	100	HDR biased	0.0661	0.0425	-0.0236
123	100	HDR biased	0.3001	0.2282	-0.0719
124	100	HDR biased	0.2078	0.1646	-0.0432
125	100	HDR biased	-0.0411	-0.0732	-0.0321
126	100	HDR biased	-0.0237	-0.0851	-0.0614
127	50	HDR biased	-0.0357	-0.0126	0.0231
128	50	HDR biased	0.158	0.1729	0.0149
129	50	HDR biased	-0.0755	-0.0566	0.0189
130	50	HDR biased	0.1614	0.1244	-0.037
132	50	HDR biased	0.0036	0.0248	0.0212
149	100	HDR unbiased	0.1829	0.1412	-0.0417
150	100	HDR unbiased	0.2366	0.165	-0.0716
151	100	HDR unbiased	0.1248	0.0104	-0.1144
152	100	HDR unbiased	0.1019	0.0356	-0.0663
153	100	HDR unbiased	-0.1413	-0.2158	-0.0745
164	30	HDR biased	0.0012	0.016	0.0148
165	30	HDR biased	-0.0708	-0.0839	-0.0131
166	30	HDR biased	0.1323	0.0715	-0.0608
168	30	HDR biased	0.062	0.0378	-0.0242
169	30	HDR biased	0.1356	0.1103	-0.0253
170	10	HDR biased	0.1067	0.1095	0.0028
171	10	HDR biased	0.1013	0.1095	0.0082
172	10	HDR biased	0.289	0.2587	-0.0303
173	10	HDR biased	-0.0659	-0.0876	-0.0217
174	10	HDR biased	-0.0992	-0.0933	0.0059
175	3	HDR biased	0.0157	0.0268	0.0111
176	3	HDR biased	0.2053	0.1948	-0.0105
178	3	HDR biased	0.1293	0.1301	0.0008
179	3	HDR biased	0.1324	0.1347	0.0023
180	3	HDR biased	0.257	0.2636	0.0066
187	0	correlation	0.0317	0.0296	-0.0021
188	0	correlation	0.0526	0.055	0.0024
189	0	correlation	0.1563	0.1563	0
190	0	correlation	0.1502	0.1524	0.0022
191	0	correlation	0.1752	0.1755	0.0003
192	0	correlation	0.1204	0.1204	0
193	0	correlation	0.0298	0.0266	-0.0032

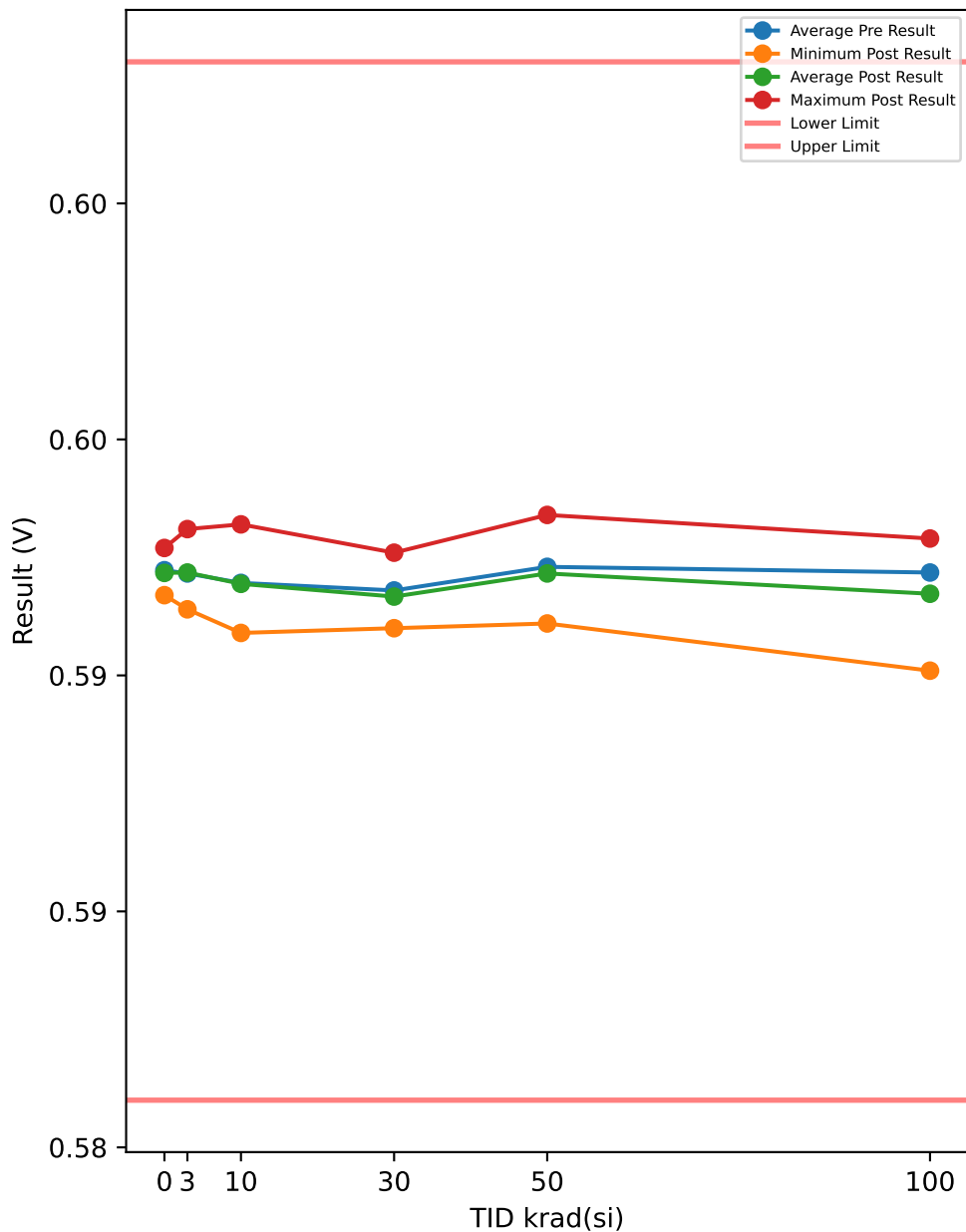
TID vs Post - Pre Exposure Delta



Test Statistics (%)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.0298	0.10231	0.1752	0.062667	0.0266	0.10226	0.1755	0.063725	-0.0032	-5.7143e-05	0.0024	0.0020541
3	-0.0182	0.10154	0.257	0.088506	-0.0155	0.10935	0.2636	0.085515	-0.0105	0.00781	0.0219	0.0097515
10	-0.0992	0.06841	0.289	0.13268	-0.0933	0.06932	0.2634	0.13317	-0.0303	0.00091	0.0239	0.016031
30	-0.0868	0.03882	0.1793	0.098043	-0.0839	0.02893	0.1715	0.085364	-0.0608	-0.00989	0.0277	0.024173
50	-0.0755	0.12046	0.3447	0.13394	-0.0566	0.11328	0.3322	0.11399	-0.0701	-0.00718	0.0231	0.030423
100	-0.1413	0.10141	0.3001	0.13839	-0.2158	0.04134	0.2282	0.13808	-0.1144	-0.06007	-0.0236	0.026263

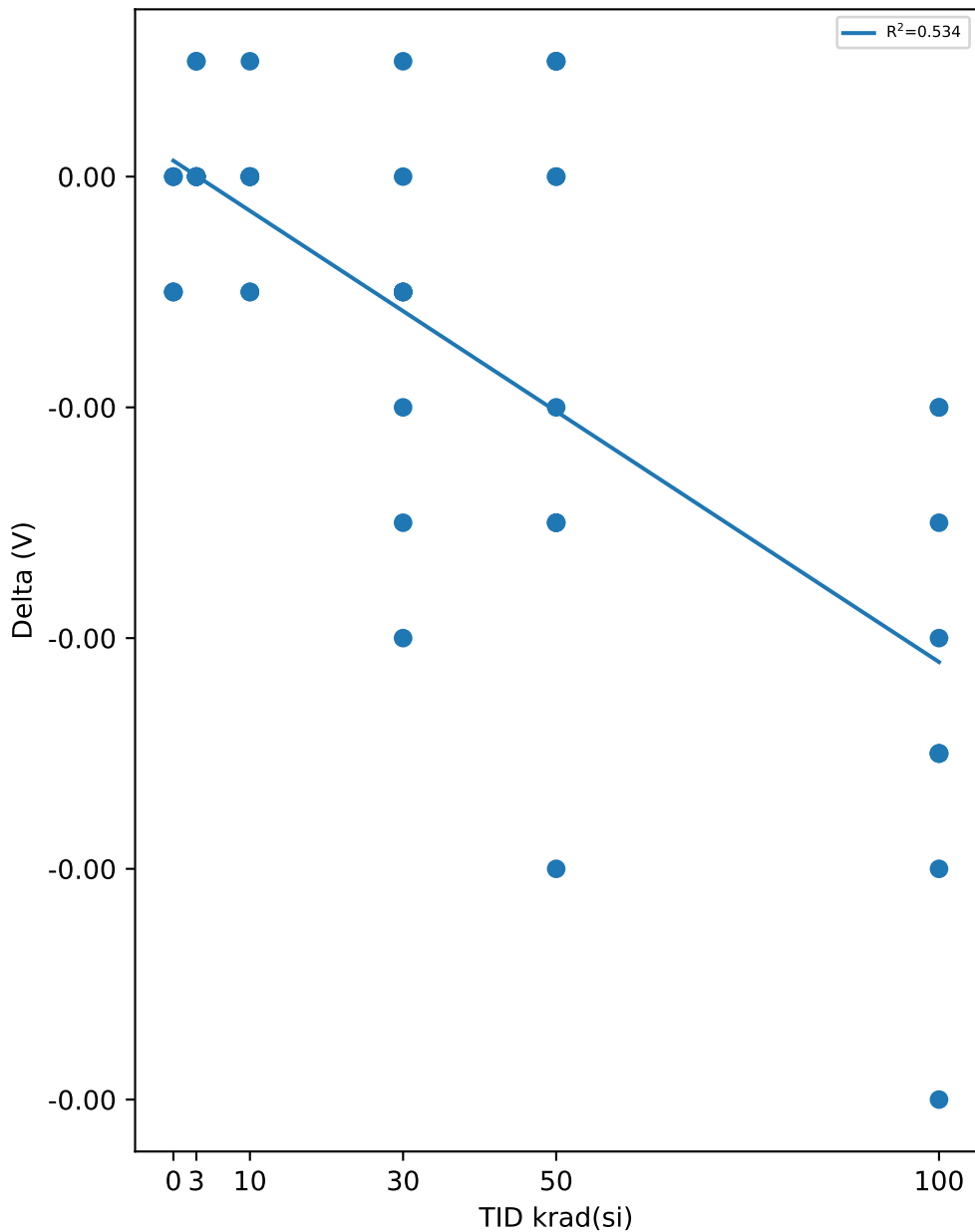
TID vs Result Stats



Test Results (Lower Limit = 0.586, Upper Limit = 0.608 (V))

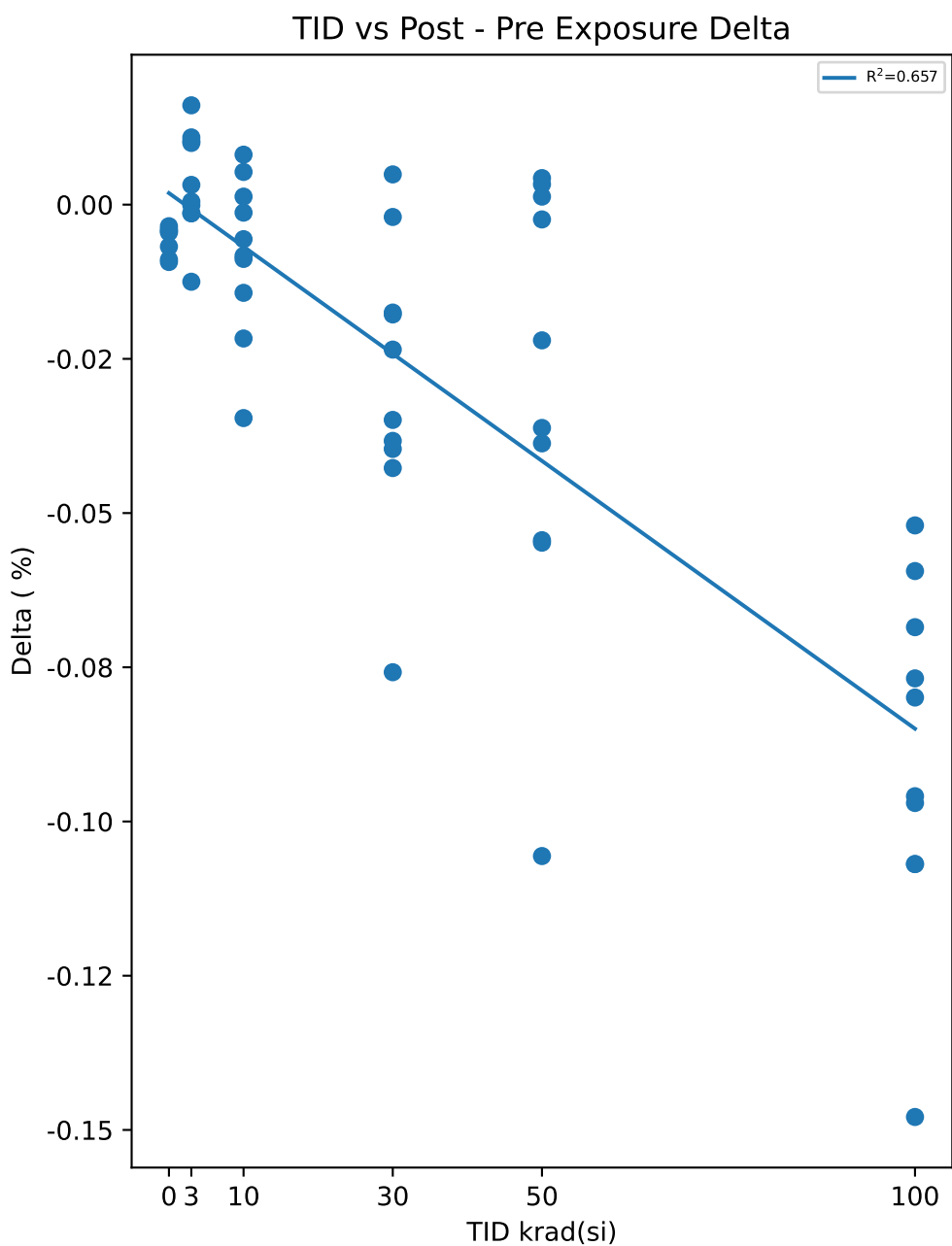
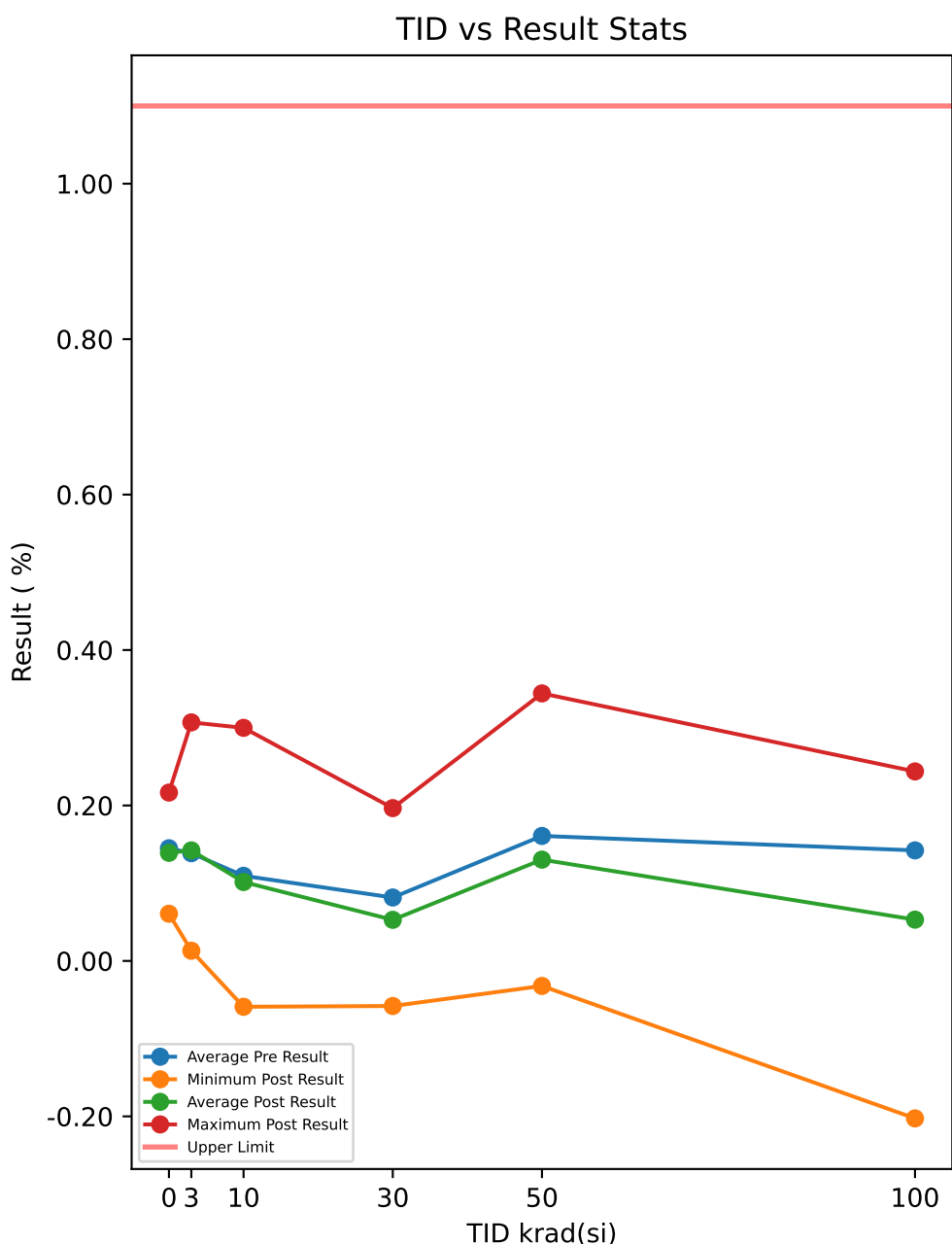
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.597	0.597	0
55	3	HDR unbiased	0.5968	0.5968	0
57	3	HDR unbiased	0.5975	0.5975	0
58	3	HDR unbiased	0.5967	0.5968	0.0001
59	3	HDR unbiased	0.5964	0.5964	0
82	10	HDR unbiased	0.5974	0.5975	0.0001
83	10	HDR unbiased	0.5981	0.5981	0
84	10	HDR unbiased	0.5964	0.5964	0
85	10	HDR unbiased	0.5963	0.5962	-0.0001
87	10	HDR unbiased	0.5968	0.5968	0
94	30	HDR unbiased	0.5977	0.5976	-0.0001
95	30	HDR unbiased	0.596	0.5961	0.0001
97	30	HDR unbiased	0.5972	0.5971	-0.0001
98	30	HDR unbiased	0.5961	0.596	-0.0001
99	30	HDR unbiased	0.5966	0.5965	-0.0001
105	50	HDR unbiased	0.5971	0.5971	0
107	50	HDR unbiased	0.5984	0.5978	-0.0006
108	50	HDR unbiased	0.5972	0.597	-0.0002
109	50	HDR unbiased	0.5987	0.5984	-0.0003
110	50	HDR unbiased	0.5975	0.5972	-0.0003
121	100	HDR biased	0.597	0.5968	-0.0002
123	100	HDR biased	0.5984	0.5979	-0.0005
124	100	HDR biased	0.5978	0.5976	-0.0002
125	100	HDR biased	0.5963	0.596	-0.0003
126	100	HDR biased	0.5964	0.596	-0.0004
127	50	HDR biased	0.5963	0.5964	0.0001
128	50	HDR biased	0.5975	0.5976	0.0001
129	50	HDR biased	0.5961	0.5961	0
130	50	HDR biased	0.5976	0.5973	-0.0003
132	50	HDR biased	0.5966	0.5967	0.0001
149	100	HDR unbiased	0.5977	0.5972	-0.0005
150	100	HDR unbiased	0.598	0.5975	-0.0005
151	100	HDR unbiased	0.5973	0.5965	-0.0008
152	100	HDR unbiased	0.5972	0.5967	-0.0005
153	100	HDR unbiased	0.5957	0.5951	-0.0006
164	30	HDR biased	0.5966	0.5966	0
165	30	HDR biased	0.5961	0.596	-0.0001
166	30	HDR biased	0.5973	0.5969	-0.0004
168	30	HDR biased	0.597	0.5968	-0.0002
169	30	HDR biased	0.5974	0.5971	-0.0003
170	10	HDR biased	0.5972	0.5972	0
171	10	HDR biased	0.5971	0.5971	0
172	10	HDR biased	0.5983	0.5982	-0.0001
173	10	HDR biased	0.5961	0.596	-0.0001
174	10	HDR biased	0.5959	0.5959	0
175	3	HDR biased	0.5967	0.5968	0.0001
176	3	HDR biased	0.5977	0.5977	0
178	3	HDR biased	0.5973	0.5973	0
179	3	HDR biased	0.5974	0.5974	0
180	3	HDR biased	0.5981	0.5981	0
187	0	correlation	0.5968	0.5967	-0.0001
188	0	correlation	0.5968	0.5968	0
189	0	correlation	0.5975	0.5975	0
190	0	correlation	0.5976	0.5975	-0.0001
191	0	correlation	0.5978	0.5977	-0.0001
192	0	correlation	0.5973	0.5973	0
193	0	correlation	0.5968	0.5967	-0.0001

TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5968	0.59723	0.5978	0.00042706	0.5967	0.59717	0.5977	0.00042706	-0.0001	-5.7143e-05	0	5.3452e-05
3	0.5964	0.59716	0.5981	0.00052957	0.5964	0.59718	0.5981	0.00051164	0	2e-05	0.0001	4.2164e-05
10	0.5959	0.59696	0.5983	0.00081677	0.5959	0.59694	0.5982	0.00082758	-0.0001	-2e-05	0.0001	6.3246e-05
30	0.596	0.5968	0.5977	0.00060736	0.596	0.59667	0.5976	0.00053344	-0.0004	-0.00013	0.0001	0.00014181
50	0.5961	0.5973	0.5987	0.00083799	0.5961	0.59716	0.5984	0.00067528	-0.0006	-0.00014	0.0001	0.00023664
100	0.5957	0.59718	0.5984	0.00084564	0.5951	0.59673	0.5979	0.00086416	-0.0008	-0.00045	-0.0002	0.00018409

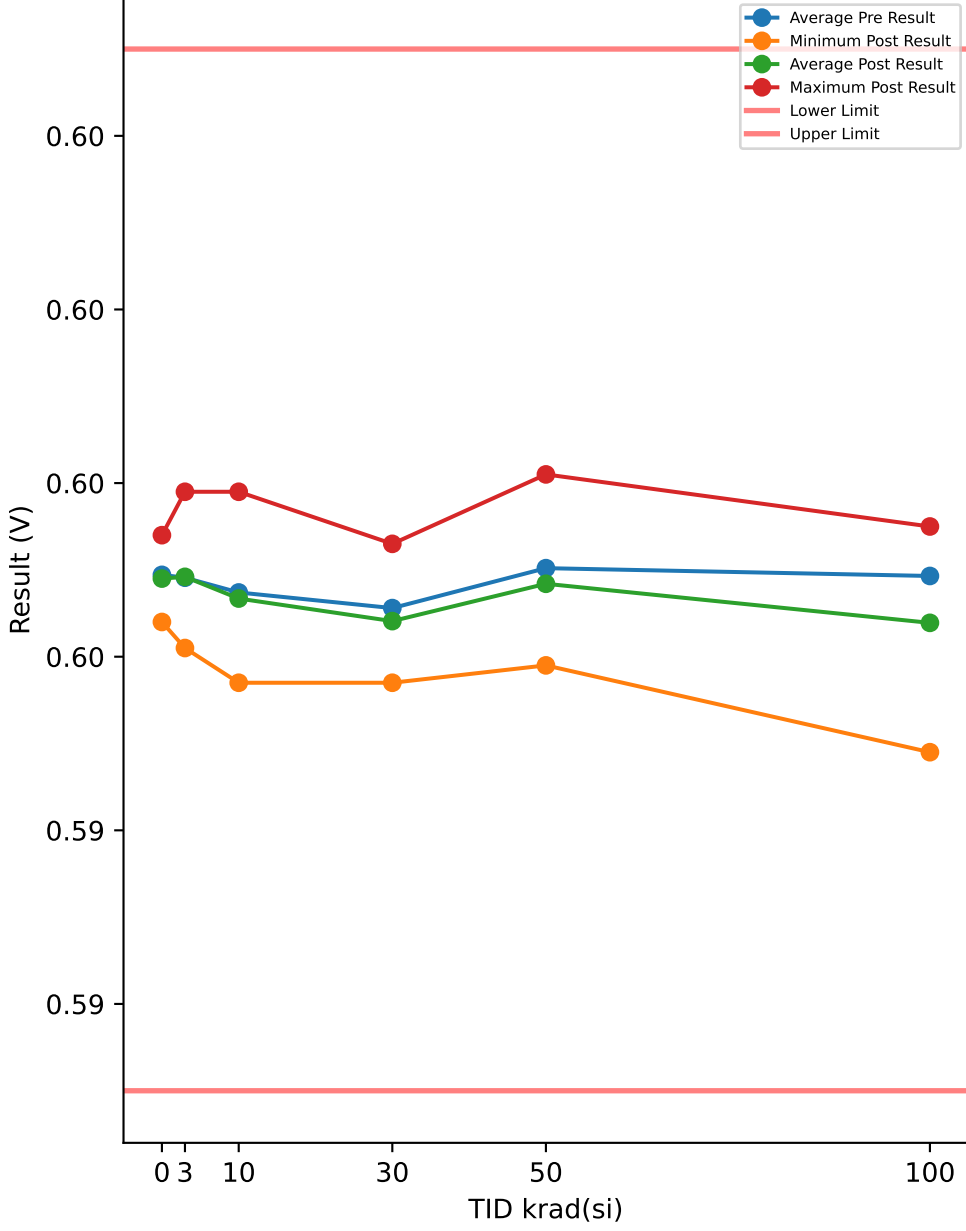


Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.126	0.1292	0.0032
55	3	HDR unbiased	0.0668	0.0673	0.0005
57	3	HDR unbiased	0.1814	0.1917	0.0103
58	3	HDR unbiased	0.0673	0.0834	0.0161
59	3	HDR unbiased	0.0145	0.0131	-0.0014
82	10	HDR unbiased	0.1798	0.1879	0.0081
83	10	HDR unbiased	0.3012	0.2999	-0.0013
84	10	HDR unbiased	0.0153	0.0065	-0.0088
85	10	HDR unbiased	-0.0016	-0.0159	-0.0143
87	10	HDR unbiased	0.075	0.0694	-0.0056
94	30	HDR unbiased	0.2315	0.1966	-0.0349
95	30	HDR unbiased	-0.0395	-0.0346	0.0049
97	30	HDR unbiased	0.1548	0.1152	-0.0396
98	30	HDR unbiased	-0.0315	-0.0493	-0.0178
99	30	HDR unbiased	0.0435	0.026	-0.0175
105	50	HDR unbiased	0.1388	0.1168	-0.022
107	50	HDR unbiased	0.3474	0.2418	-0.1056
108	50	HDR unbiased	0.1392	0.103	-0.0362
109	50	HDR unbiased	0.3829	0.3442	-0.0387
110	50	HDR unbiased	0.1948	0.14	-0.0548
121	100	HDR biased	0.1048	0.0528	-0.052
123	100	HDR biased	0.3397	0.2438	-0.0959
124	100	HDR biased	0.2482	0.1797	-0.0685
125	100	HDR biased	0.0057	-0.0537	-0.0594
126	100	HDR biased	0.0105	-0.0694	-0.0799
127	50	HDR biased	0.0049	0.0092	0.0043
128	50	HDR biased	0.1913	0.1889	-0.0024
129	50	HDR biased	-0.0355	-0.0322	0.0033
130	50	HDR biased	0.2005	0.1461	-0.0544
132	50	HDR biased	0.0439	0.0452	0.0013
149	100	HDR unbiased	0.2251	0.1483	-0.0768
150	100	HDR unbiased	0.2797	0.1728	-0.1069
151	100	HDR unbiased	0.1651	0.0172	-0.1479
152	100	HDR unbiased	0.1392	0.0422	-0.097
153	100	HDR unbiased	-0.0957	-0.2026	-0.1069
164	30	HDR biased	0.0476	0.0456	-0.002
165	30	HDR biased	-0.0345	-0.058	-0.0235
166	30	HDR biased	0.1717	0.0959	-0.0758
168	30	HDR biased	0.0966	0.0583	-0.0383
169	30	HDR biased	0.1758	0.1331	-0.0427
170	10	HDR biased	0.1514	0.1431	-0.0083
171	10	HDR biased	0.1356	0.1409	0.0053
172	10	HDR biased	0.3304	0.2958	-0.0346
173	10	HDR biased	-0.0317	-0.0534	-0.0217
174	10	HDR biased	-0.0603	-0.059	0.0013
175	3	HDR biased	0.0558	0.0658	0.01
176	3	HDR biased	0.2382	0.2257	-0.0125
178	3	HDR biased	0.1696	0.1695	-0.0001
179	3	HDR biased	0.1706	0.1692	-0.0014
180	3	HDR biased	0.296	0.3069	0.0109
187	0	correlation	0.0701	0.0633	-0.0068
188	0	correlation	0.0919	0.0874	-0.0045
189	0	correlation	0.1996	0.1956	-0.004
190	0	correlation	0.1981	0.1938	-0.0043
191	0	correlation	0.2259	0.2166	-0.0093
192	0	correlation	0.1595	0.156	-0.0035
193	0	correlation	0.0696	0.0607	-0.0089

Test Statistics (%)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.0696	0.14496	0.2259	0.066672	0.0607	0.13906	0.2166	0.067133	-0.0093	-0.0059	-0.0035	0.0024242
3	0.0145	0.13862	0.296	0.088923	0.0131	0.14218	0.3069	0.088042	-0.0125	0.00356	0.0161	0.0083536
10	-0.0603	0.10951	0.3304	0.13503	-0.059	0.10152	0.2999	0.13394	-0.0346	-0.00799	0.0081	0.012948
30	-0.0395	0.0816	0.2315	0.099213	-0.058	0.05288	0.1966	0.084339	-0.0758	-0.02872	0.0049	0.023039
50	-0.0355	0.16082	0.3829	0.13551	-0.0322	0.1303	0.3442	0.11116	-0.1056	-0.03052	0.0043	0.035163
100	-0.0957	0.14223	0.3397	0.13765	-0.2026	0.05311	0.2438	0.13703	-0.1479	-0.08912	-0.052	0.028124

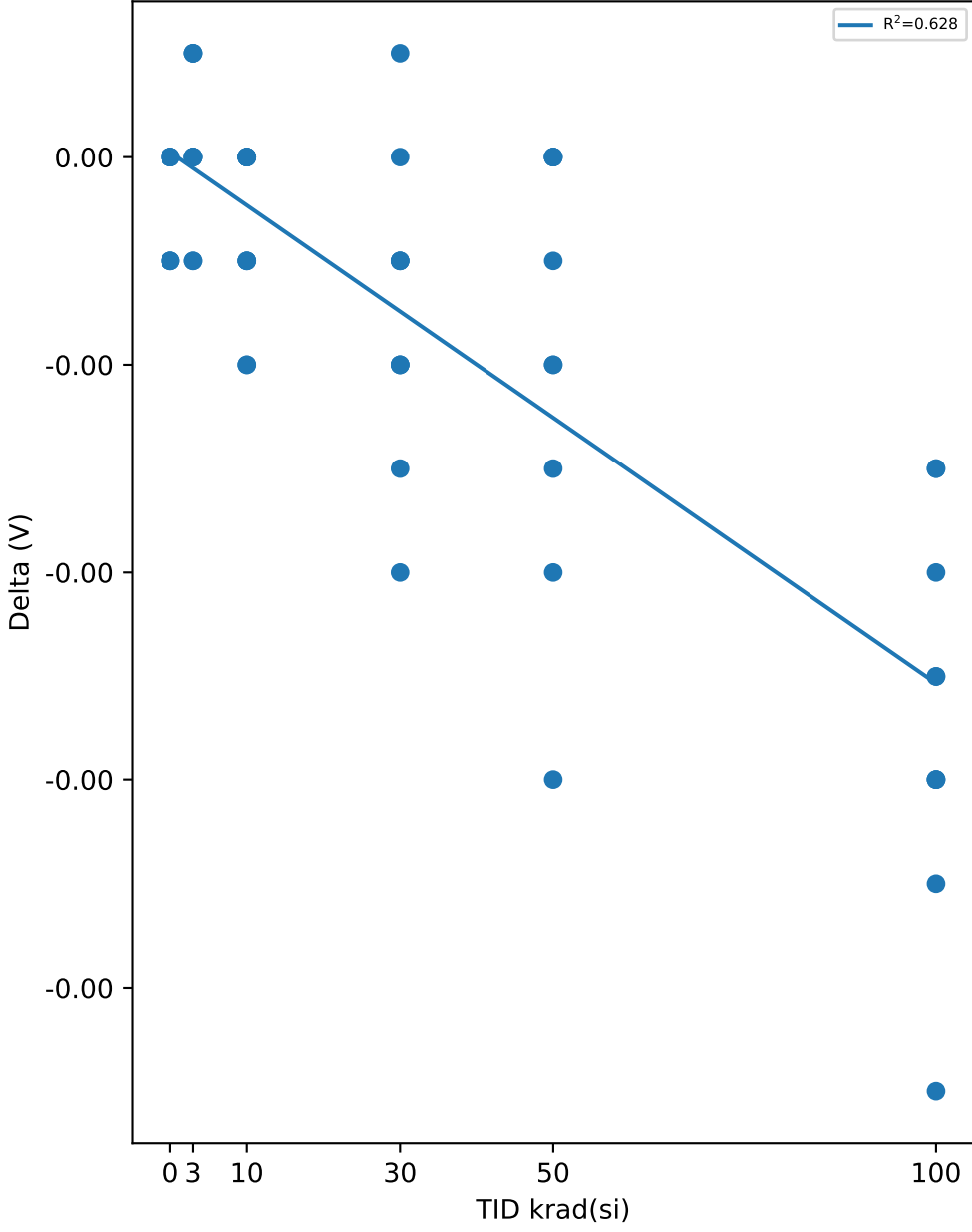
TID vs Result Stats



Test Results (Lower Limit = 0.591, Upper Limit = 0.603 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.5968	0.5968	0
55	3	HDR unbiased	0.5965	0.5965	0
57	3	HDR unbiased	0.5971	0.5972	0.0001
58	3	HDR unbiased	0.5965	0.5966	0.0001
59	3	HDR unbiased	0.5962	0.5961	-0.0001
82	10	HDR unbiased	0.5972	0.5972	0
83	10	HDR unbiased	0.5979	0.5979	0
84	10	HDR unbiased	0.5962	0.5961	-0.0001
85	10	HDR unbiased	0.5961	0.596	-0.0001
87	10	HDR unbiased	0.5965	0.5965	0
94	30	HDR unbiased	0.5975	0.5973	-0.0002
95	30	HDR unbiased	0.5958	0.5959	0.0001
97	30	HDR unbiased	0.597	0.5968	-0.0002
98	30	HDR unbiased	0.5959	0.5958	-0.0001
99	30	HDR unbiased	0.5963	0.5962	-0.0001
105	50	HDR unbiased	0.5969	0.5968	-0.0001
107	50	HDR unbiased	0.5981	0.5975	-0.0006
108	50	HDR unbiased	0.5969	0.5967	-0.0002
109	50	HDR unbiased	0.5983	0.5981	-0.0002
110	50	HDR unbiased	0.5972	0.5969	-0.0003
121	100	HDR biased	0.5967	0.5964	-0.0003
123	100	HDR biased	0.5981	0.5975	-0.0006
124	100	HDR biased	0.5976	0.5971	-0.0005
125	100	HDR biased	0.5961	0.5958	-0.0003
126	100	HDR biased	0.5961	0.5956	-0.0005
127	50	HDR biased	0.5961	0.5961	0
128	50	HDR biased	0.5972	0.5972	0
129	50	HDR biased	0.5959	0.5959	0
130	50	HDR biased	0.5973	0.5969	-0.0004
132	50	HDR biased	0.5963	0.5963	0
149	100	HDR unbiased	0.5974	0.597	-0.0004
150	100	HDR unbiased	0.5978	0.5971	-0.0007
151	100	HDR unbiased	0.5971	0.5962	-0.0009
152	100	HDR unbiased	0.5969	0.5963	-0.0006
153	100	HDR unbiased	0.5955	0.5949	-0.0006
164	30	HDR biased	0.5964	0.5964	0
165	30	HDR biased	0.5958	0.5957	-0.0001
166	30	HDR biased	0.5971	0.5967	-0.0004
168	30	HDR biased	0.5967	0.5964	-0.0003
169	30	HDR biased	0.5971	0.5969	-0.0002
170	10	HDR biased	0.597	0.5969	-0.0001
171	10	HDR biased	0.5969	0.5969	0
172	10	HDR biased	0.598	0.5978	-0.0002
173	10	HDR biased	0.5959	0.5957	-0.0002
174	10	HDR biased	0.5957	0.5957	0
175	3	HDR biased	0.5964	0.5965	0.0001
176	3	HDR biased	0.5975	0.5974	-0.0001
178	3	HDR biased	0.5971	0.5971	0
179	3	HDR biased	0.5971	0.5971	0
180	3	HDR biased	0.5979	0.5979	0
187	0	correlation	0.5965	0.5965	0
188	0	correlation	0.5966	0.5966	0
189	0	correlation	0.5973	0.5972	-0.0001
190	0	correlation	0.5973	0.5972	-0.0001
191	0	correlation	0.5974	0.5974	0
192	0	correlation	0.597	0.597	0
193	0	correlation	0.5965	0.5964	-0.0001

TID vs Post - Pre Exposure Delta

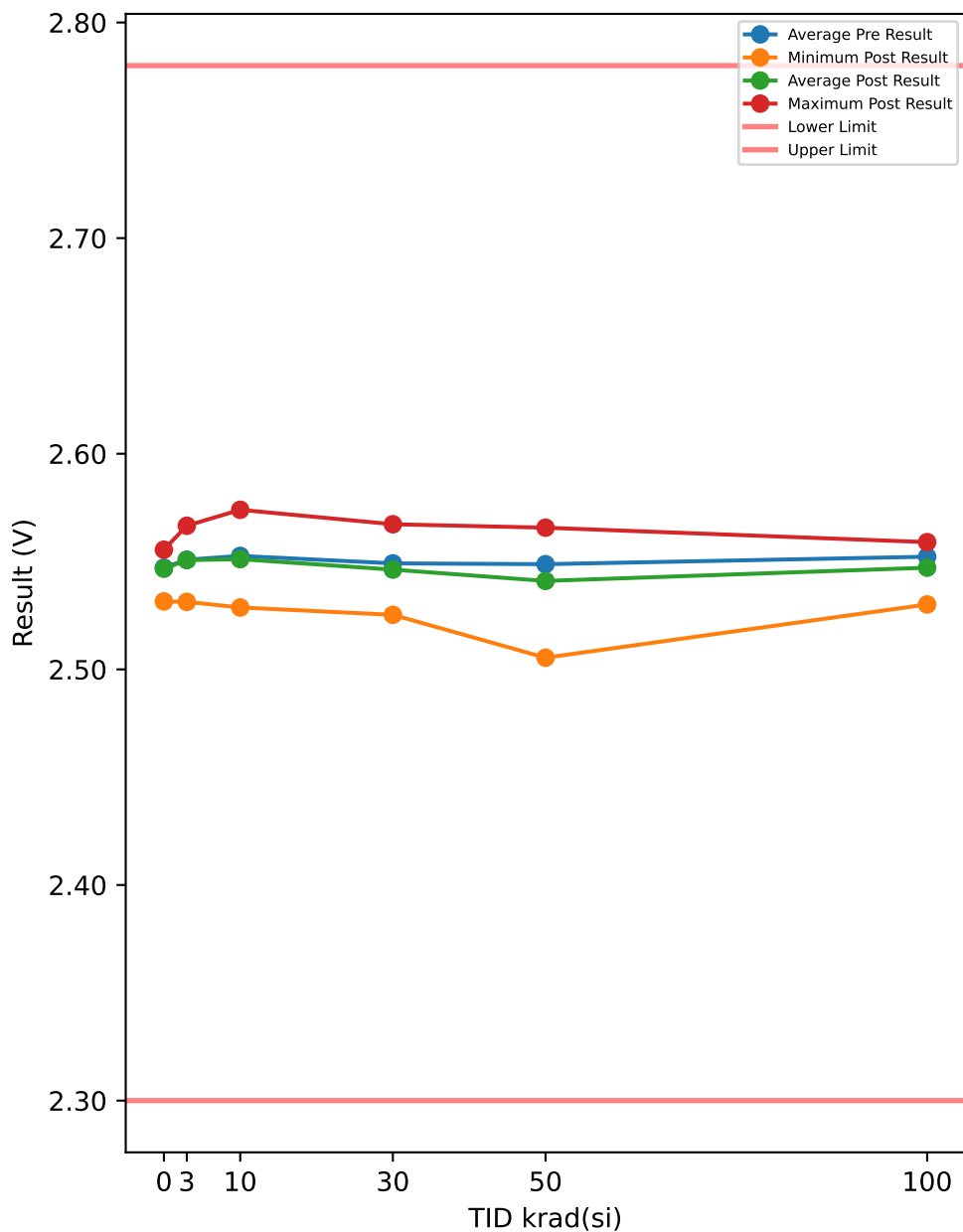


Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5965	0.59694	0.5974	0.00040356	0.5964	0.5969	0.5974	0.00039581	-0.0001	-4.2857e-05	0	5.3452e-05
3	0.5962	0.59691	0.5979	0.00053219	0.5961	0.59692	0.5979	0.00052451	-0.0001	1e-05	0.0001	7.3786e-05
10	0.5957	0.59674	0.598	0.00080166	0.5957	0.59667	0.5979	0.00080698	-0.0002	-7e-05	0	8.2327e-05
30	0.5958	0.59656	0.5975	0.00061137	0.5957	0.59641	0.5973	0.00052164	-0.0004	-0.00015	0.0001	0.00014337
50	0.5959	0.59702	0.5983	0.00078853	0.5959	0.59684	0.5981	0.00065862	-0.0006	-0.00018	0	0.0002044
100	0.5955	0.59693	0.5981	0.00083673	0.5949	0.59639	0.5975	0.00080616	-0.0009	-0.00054	-0.0003	0.00018379

Device Test: 15.64 V_VLDO(OUTPUT|VLDO/VLDO/14/0.6//10//@V_VLDO)

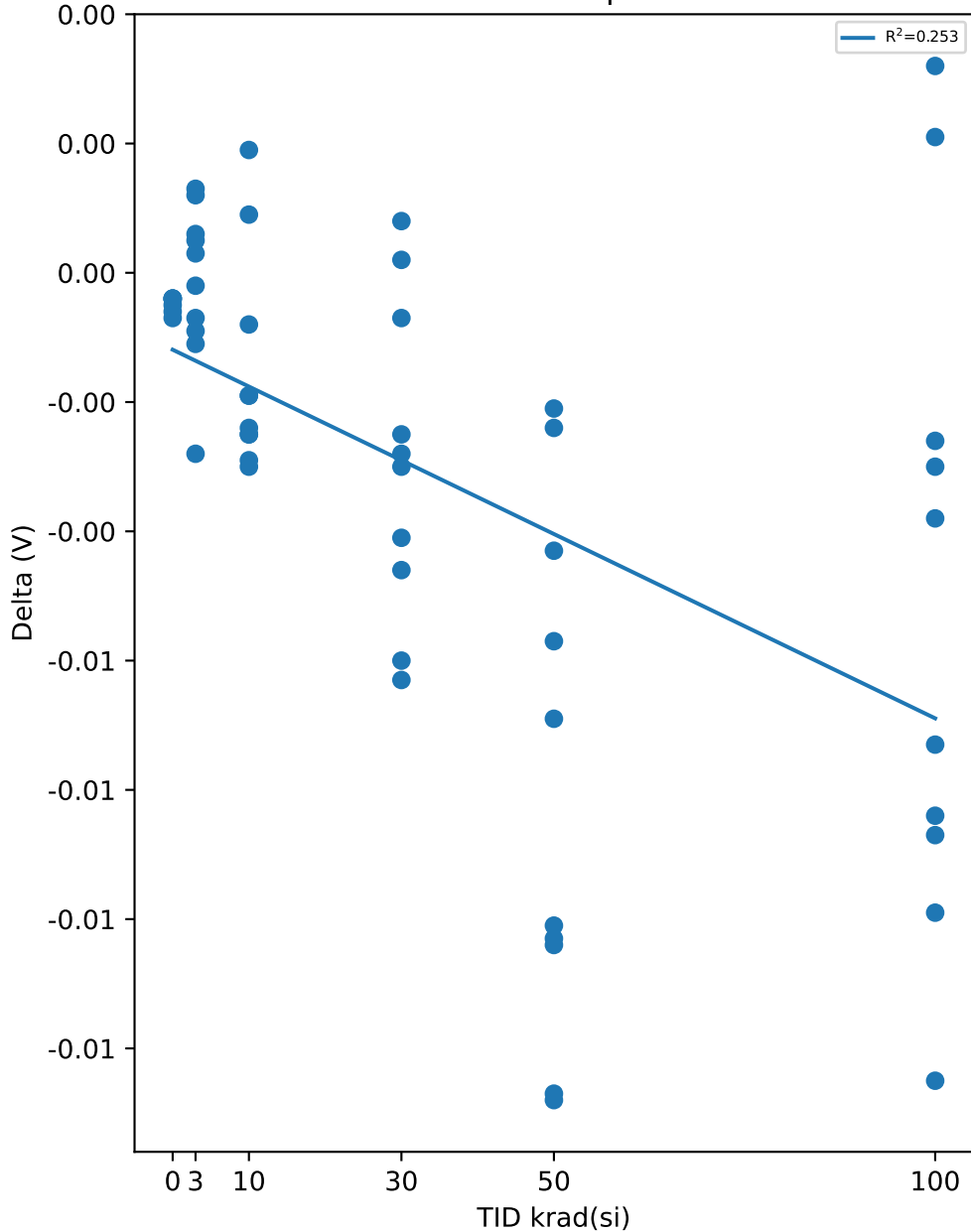
TID vs Result Stats



Test Results (Lower Limit = 2.3, Upper Limit = 2.78 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	2.5462	2.5465	0.0003
55	3	HDR unbiased	2.5517	2.5523	0.0006
57	3	HDR unbiased	2.5565	2.5537	-0.0028
58	3	HDR unbiased	2.5502	2.5507	0.0005
59	3	HDR unbiased	2.5535	2.5547	0.0012
82	10	HDR unbiased	2.5453	2.5424	-0.0029
83	10	HDR unbiased	2.5552	2.5527	-0.0025
84	10	HDR unbiased	2.5681	2.5657	-0.0024
85	10	HDR unbiased	2.5411	2.5386	-0.0025
87	10	HDR unbiased	2.5509	2.549	-0.0019
94	30	HDR unbiased	2.5439	2.5447	0.0008
95	30	HDR unbiased	2.5283	2.5253	-0.003
97	30	HDR unbiased	2.556	2.5553	-0.0007
98	30	HDR unbiased	2.5465	2.5424	-0.0041
99	30	HDR unbiased	2.5466	2.5406	-0.006
105	50	HDR unbiased	2.5352	2.5295	-0.0057
107	50	HDR unbiased	2.5386	2.5365	-0.0021
108	50	HDR unbiased	2.5686	2.5643	-0.0043
109	50	HDR unbiased	2.5665	2.5538	-0.0127
110	50	HDR unbiased	2.5487	2.5418	-0.0069
121	100	HDR biased	2.5434	2.5335	-0.0099
123	100	HDR biased	2.5388	2.5301	-0.0087
124	100	HDR biased	2.5466	2.5436	-0.003
125	100	HDR biased	2.5632	2.5507	-0.0125
126	100	HDR biased	2.5576	2.5503	-0.0073
127	50	HDR biased	2.5374	2.527	-0.0104
128	50	HDR biased	2.5182	2.5054	-0.0128
129	50	HDR biased	2.5512	2.5411	-0.0101
130	50	HDR biased	2.5681	2.5657	-0.0024
132	50	HDR biased	2.5553	2.545	-0.0103
149	100	HDR unbiased	2.5598	2.5572	-0.0026
150	100	HDR unbiased	2.5495	2.5527	0.0032
151	100	HDR unbiased	2.5628	2.559	-0.0038
152	100	HDR unbiased	2.5492	2.5513	0.0021
153	100	HDR unbiased	2.5515	2.5431	-0.0084
164	30	HDR biased	2.5378	2.5315	-0.0063
165	30	HDR biased	2.5601	2.5555	-0.0046
166	30	HDR biased	2.5701	2.5673	-0.0028
168	30	HDR biased	2.5584	2.5559	-0.0025
169	30	HDR biased	2.5439	2.5441	0.0002
170	10	HDR biased	2.5637	2.5629	-0.0008
171	10	HDR biased	2.5465	2.5446	-0.0019
172	10	HDR biased	2.577	2.574	-0.003
173	10	HDR biased	2.5506	2.5525	0.0019
174	10	HDR biased	2.5278	2.5287	0.0009
175	3	HDR biased	2.5668	2.5666	-0.0002
176	3	HDR biased	2.5322	2.5313	-0.0009
178	3	HDR biased	2.5347	2.536	0.0013
179	3	HDR biased	2.5617	2.561	-0.0007
180	3	HDR biased	2.555	2.5539	-0.0011
187	0	correlation	2.542	2.5414	-0.0006
188	0	correlation	2.5463	2.5456	-0.0007
189	0	correlation	2.5533	2.5529	-0.0004
190	0	correlation	2.5458	2.5453	-0.0005
191	0	correlation	2.5319	2.5315	-0.0004
192	0	correlation	2.5559	2.5555	-0.0004
193	0	correlation	2.555	2.5546	-0.0004

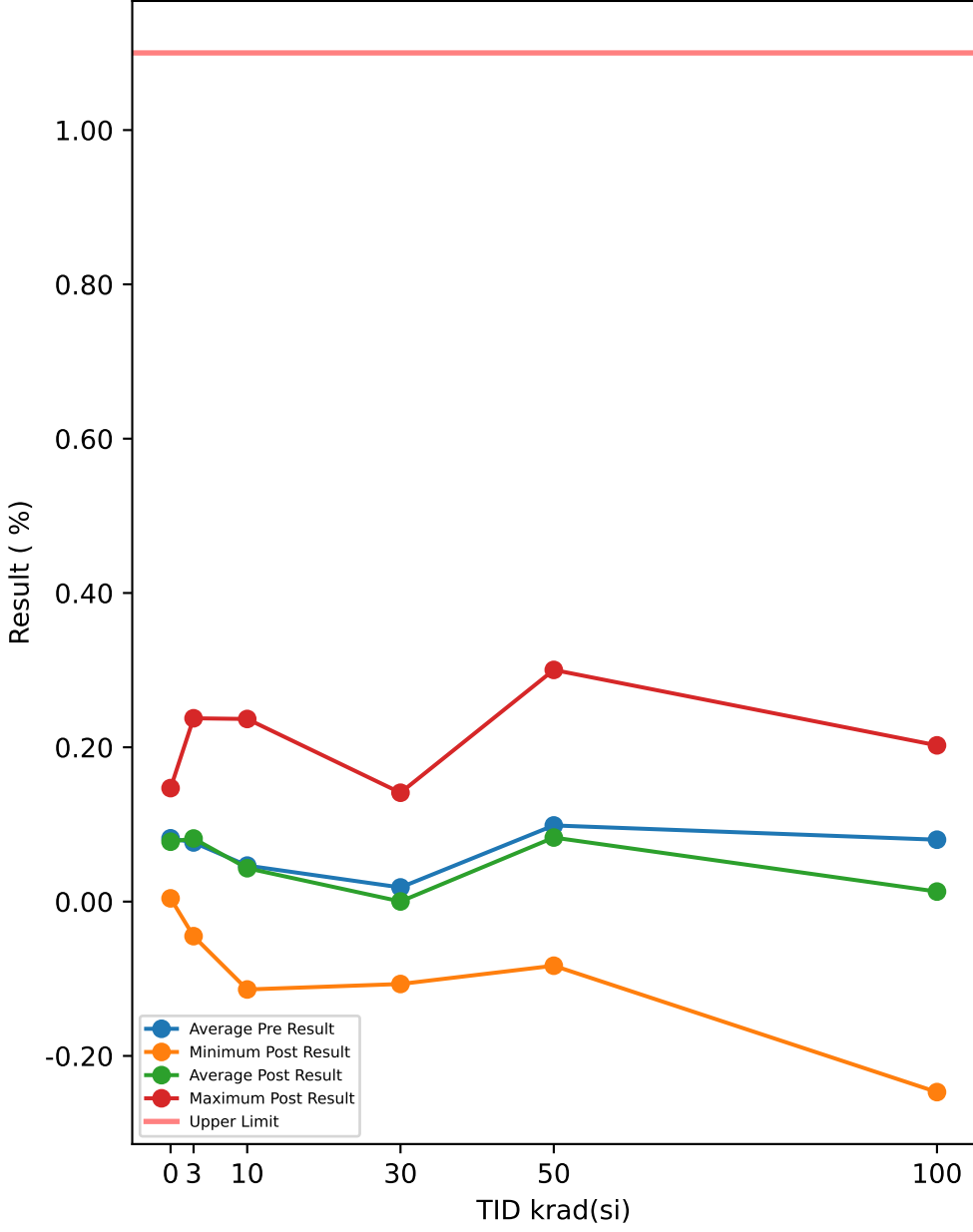
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.5319	2.5472	2.5559	0.0085404	2.5315	2.5467	2.5555	0.0085692	-0.0007	-0.00048571	-0.0004	0.0001215
3	2.5322	2.5509	2.5668	0.010851	2.5313	2.5507	2.5666	0.010577	-0.0028	-0.00018	0.0013	0.0012426
10	2.5278	2.5526	2.577	0.014182	2.5287	2.5511	2.574	0.013588	-0.003	-0.00151	0.0019	0.0016716
30	2.5283	2.5492	2.5701	0.012127	2.5253	2.5463	2.5673	0.012534	-0.0063	-0.0029	0.0008	0.0024454
50	2.5182	2.5488	2.5686	0.016604	2.5054	2.541	2.5657	0.018103	-0.0128	-0.00777	-0.0021	0.0040335
100	2.5388	2.5522	2.5632	0.008336	2.5301	2.5471	2.559	0.0095336	-0.0125	-0.00509	0.0032	0.0051593

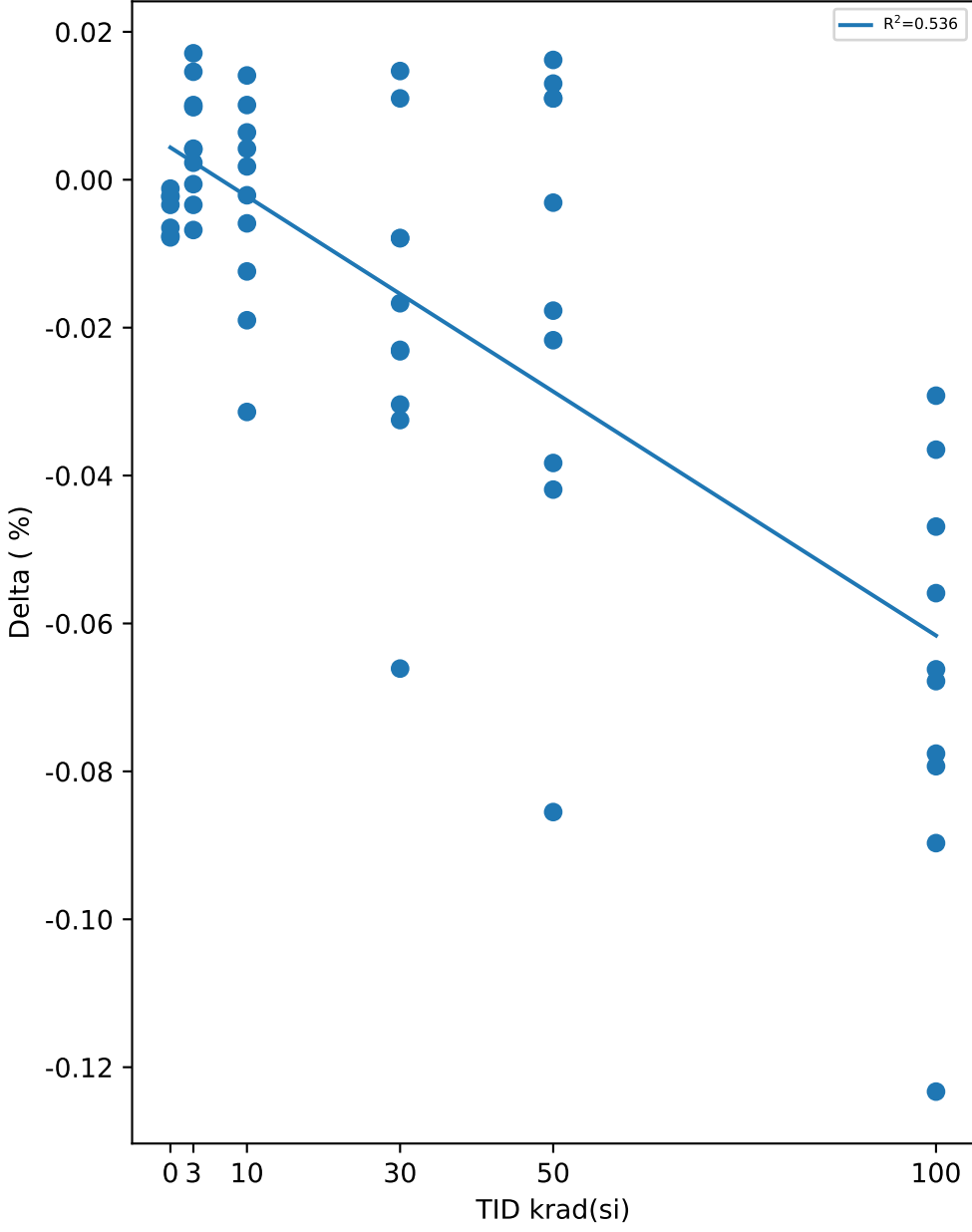
TID vs Result Stats



Test Results (Upper Limit = 1.1 (%))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.0699	0.0722	0.0023
55	3	HDR unbiased	0.0068	0.0062	-0.0006
57	3	HDR unbiased	0.1171	0.1342	0.0171
58	3	HDR unbiased	0.0077	0.0223	0.0146
59	3	HDR unbiased	-0.0414	-0.0448	-0.0034
82	10	HDR unbiased	0.1157	0.1298	0.0141
83	10	HDR unbiased	0.2303	0.2367	0.0064
84	10	HDR unbiased	-0.042	-0.0479	-0.0059
85	10	HDR unbiased	-0.0626	-0.075	-0.0124
87	10	HDR unbiased	0.0106	0.0124	0.0018
94	30	HDR unbiased	0.1643	0.1411	-0.0232
95	30	HDR unbiased	-0.1029	-0.0882	0.0147
97	30	HDR unbiased	0.0838	0.0608	-0.023
98	30	HDR unbiased	-0.0921	-0.1	-0.0079
99	30	HDR unbiased	-0.0204	-0.0283	-0.0079
105	50	HDR unbiased	0.0767	0.0736	-0.0031
107	50	HDR unbiased	0.2735	0.188	-0.0855
108	50	HDR unbiased	0.0786	0.0609	-0.0177
109	50	HDR unbiased	0.322	0.3003	-0.0217
110	50	HDR unbiased	0.1329	0.0946	-0.0383
121	100	HDR biased	0.0427	0.0135	-0.0292
123	100	HDR biased	0.2801	0.2025	-0.0776
124	100	HDR biased	0.1815	0.1346	-0.0469
125	100	HDR biased	-0.0578	-0.0943	-0.0365
126	100	HDR biased	-0.0382	-0.1044	-0.0662
127	50	HDR biased	-0.0574	-0.0412	0.0162
128	50	HDR biased	0.1328	0.1438	0.011
129	50	HDR biased	-0.0961	-0.0831	0.013
130	50	HDR biased	0.1396	0.0977	-0.0419
132	50	HDR biased	-0.0153	-0.0043	0.011
149	100	HDR unbiased	0.165	0.1091	-0.0559
150	100	HDR unbiased	0.212	0.1327	-0.0793
151	100	HDR unbiased	0.1011	-0.0222	-0.1233
152	100	HDR unbiased	0.0731	0.0053	-0.0678
153	100	HDR unbiased	-0.1572	-0.2469	-0.0897
164	30	HDR biased	-0.0243	-0.0133	0.011
165	30	HDR biased	-0.0901	-0.1068	-0.0167
166	30	HDR biased	0.1095	0.0434	-0.0661
168	30	HDR biased	0.0425	0.0121	-0.0304
169	30	HDR biased	0.1134	0.0809	-0.0325
170	10	HDR biased	0.0842	0.0821	-0.0021
171	10	HDR biased	0.0757	0.0858	0.0101
172	10	HDR biased	0.2672	0.2358	-0.0314
173	10	HDR biased	-0.0943	-0.1133	-0.019
174	10	HDR biased	-0.1181	-0.1139	0.0042
175	3	HDR biased	-0.0073	0.0028	0.0101
176	3	HDR biased	0.1777	0.1709	-0.0068
178	3	HDR biased	0.1039	0.108	0.0041
179	3	HDR biased	0.1043	0.1085	0.0042
180	3	HDR biased	0.2278	0.2376	0.0098
187	0	correlation	0.012	0.0042	-0.0078
188	0	correlation	0.0329	0.0307	-0.0022
189	0	correlation	0.1364	0.133	-0.0034
190	0	correlation	0.129	0.1278	-0.0012
191	0	correlation	0.1547	0.1471	-0.0076
192	0	correlation	0.0966	0.0943	-0.0023
193	0	correlation	0.0128	0.0063	-0.0065

TID vs Post - Pre Exposure Delta

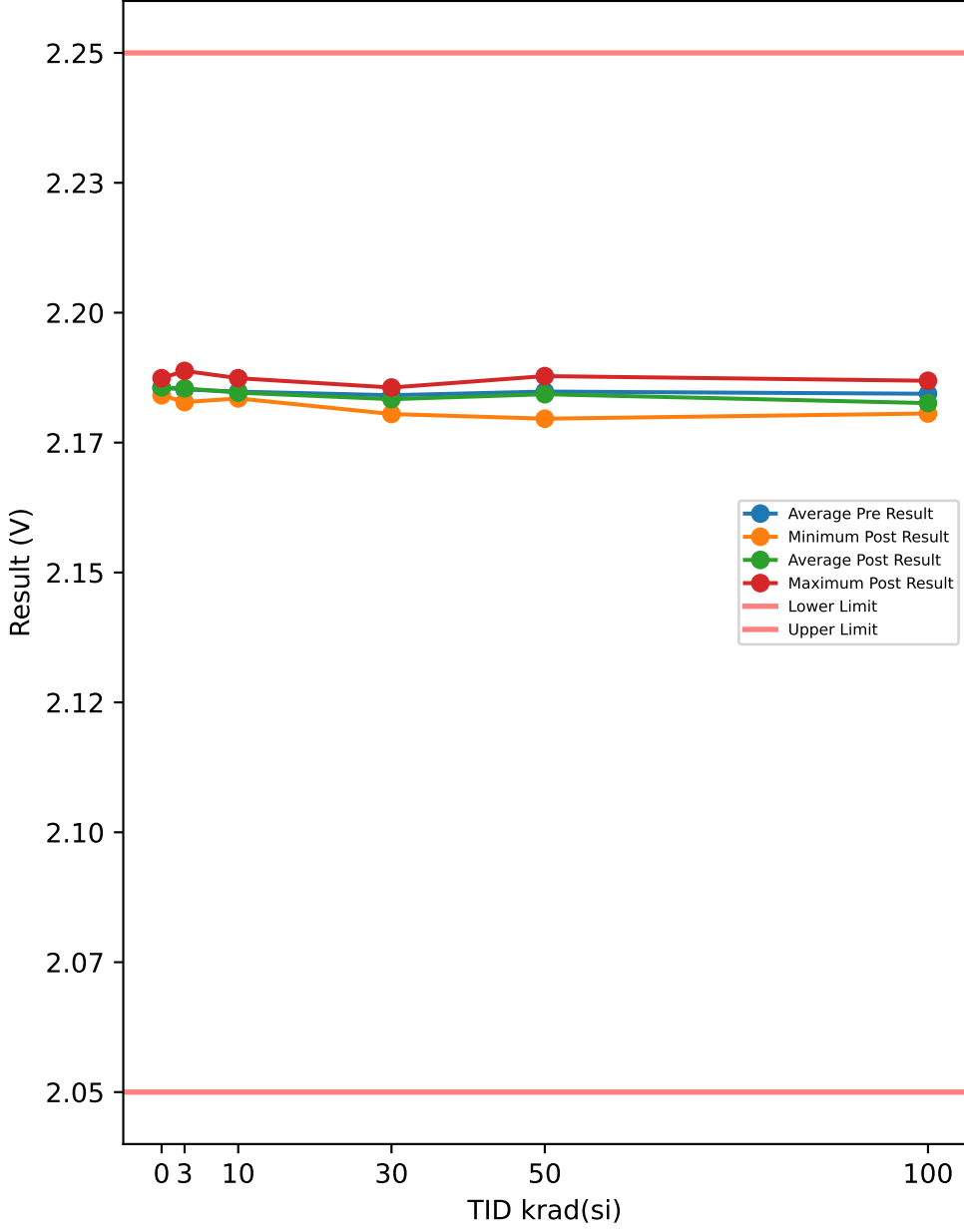


Test Statistics (%)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.012	0.082057	0.1547	0.061598	0.0042	0.077629	0.1471	0.062409	-0.0078	-0.0044286	-0.0012	0.0027897
3	-0.0414	0.07665	0.2278	0.086193	-0.0448	0.08179	0.2376	0.086906	-0.0068	0.00514	0.0171	0.0077268
10	-0.1181	0.04667	0.2672	0.13229	-0.1139	0.04325	0.2367	0.1324	-0.0314	-0.00342	0.0141	0.014086
30	-0.1029	0.01837	0.1643	0.097464	-0.1068	0.00017	0.1411	0.083229	-0.0661	-0.0182	0.0147	0.023203
50	-0.0961	0.09873	0.322	0.13359	-0.0831	0.08303	0.3003	0.1123	-0.0855	-0.0157	0.0162	0.032549
100	-0.1572	0.08023	0.2801	0.13585	-0.2469	0.01299	0.2025	0.13679	-0.1233	-0.06724	-0.0292	0.027559

Device Test: 15.7 V_VLDO_VIN_2p25(OUTPUT|VLDO/VLDO/2.25/0.6//10//@V_VLDO_VIN_2p25)

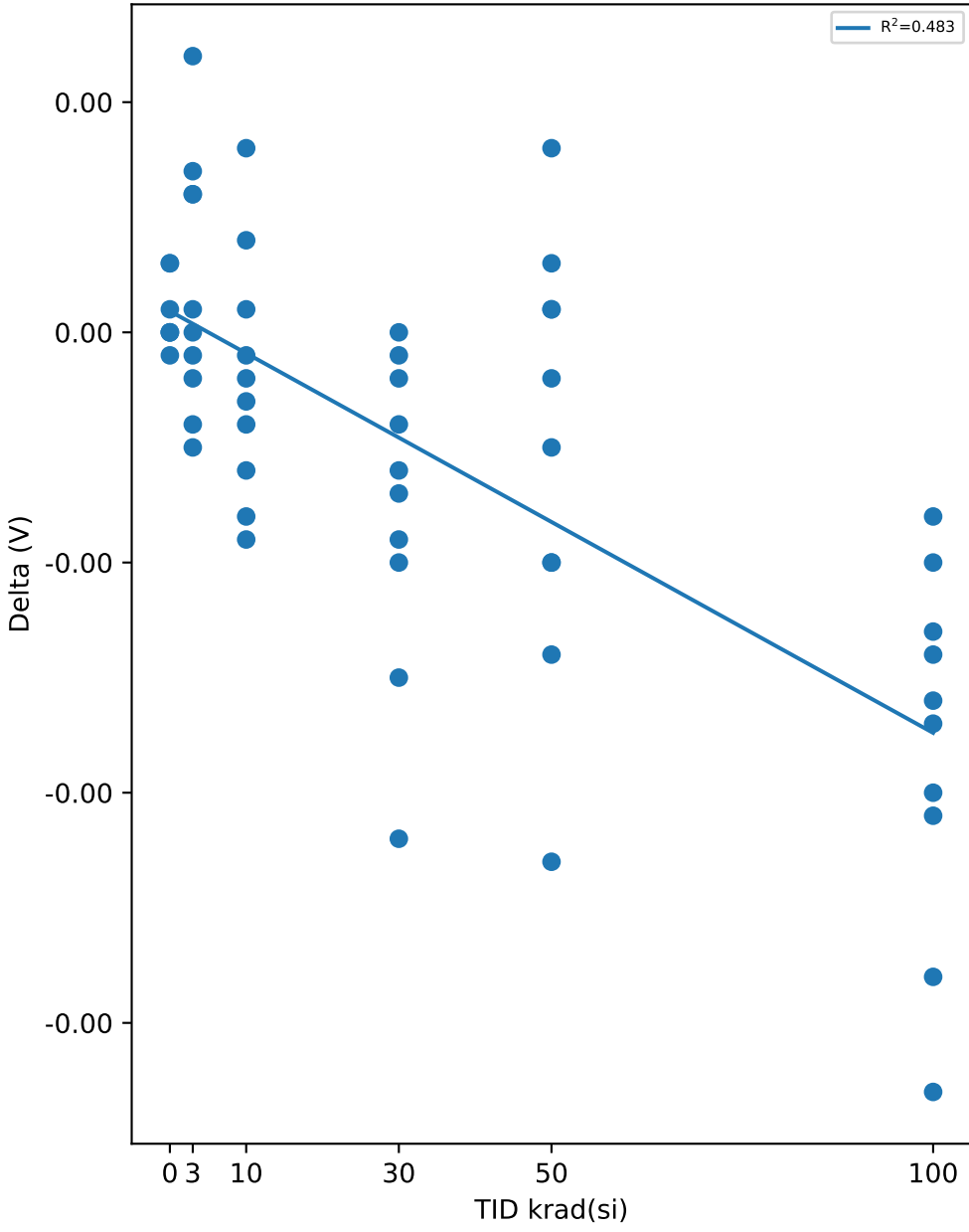
TID vs Result Stats



Test Results (Lower Limit = 2.05, Upper Limit = 2.25 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	2.1866	2.1865	-0.0001
55	3	HDR unbiased	2.1832	2.1828	-0.0004
57	3	HDR unbiased	2.185	2.1848	-0.0002
58	3	HDR unbiased	2.1849	2.1844	-0.0005
59	3	HDR unbiased	2.1874	2.1875	0.0001
82	10	HDR unbiased	2.185	2.1842	-0.0008
83	10	HDR unbiased	2.1837	2.1835	-0.0002
84	10	HDR unbiased	2.186	2.1854	-0.0006
85	10	HDR unbiased	2.1845	2.1836	-0.0009
87	10	HDR unbiased	2.1837	2.1836	-0.0001
94	30	HDR unbiased	2.184	2.1833	-0.0007
95	30	HDR unbiased	2.1854	2.1839	-0.0015
97	30	HDR unbiased	2.1814	2.1805	-0.0009
98	30	HDR unbiased	2.1869	2.1847	-0.0022
99	30	HDR unbiased	2.1836	2.183	-0.0006
105	50	HDR unbiased	2.186	2.1863	0.0003
107	50	HDR unbiased	2.183	2.182	-0.001
108	50	HDR unbiased	2.1883	2.1878	-0.0005
109	50	HDR unbiased	2.186	2.1868	0.0008
110	50	HDR unbiased	2.1852	2.1838	-0.0014
121	100	HDR biased	2.1826	2.1806	-0.002
123	100	HDR biased	2.186	2.1844	-0.0016
124	100	HDR biased	2.1827	2.181	-0.0017
125	100	HDR biased	2.1822	2.1808	-0.0014
126	100	HDR biased	2.189	2.1869	-0.0021
127	50	HDR biased	2.183	2.1831	0.0001
128	50	HDR biased	2.1845	2.1835	-0.001
129	50	HDR biased	2.1819	2.1796	-0.0023
130	50	HDR biased	2.1858	2.1859	0.0001
132	50	HDR biased	2.1845	2.1843	-0.0002
149	100	HDR unbiased	2.1843	2.1815	-0.0028
150	100	HDR unbiased	2.1856	2.1848	-0.0008
151	100	HDR unbiased	2.1825	2.1815	-0.001
152	100	HDR unbiased	2.1847	2.1814	-0.0033
153	100	HDR unbiased	2.1844	2.1831	-0.0013
164	30	HDR biased	2.1817	2.1807	-0.001
165	30	HDR biased	2.1857	2.1856	-0.0001
166	30	HDR biased	2.1829	2.1829	0
168	30	HDR biased	2.1854	2.185	-0.0004
169	30	HDR biased	2.1842	2.184	-0.0002
170	10	HDR biased	2.1829	2.1837	0.0008
171	10	HDR biased	2.1854	2.1855	0.0001
172	10	HDR biased	2.1859	2.1856	-0.0003
173	10	HDR biased	2.184	2.1836	-0.0004
174	10	HDR biased	2.187	2.1874	0.0004
175	3	HDR biased	2.1843	2.1849	0.0006
176	3	HDR biased	2.1876	2.1888	0.0012
178	3	HDR biased	2.1846	2.1852	0.0006
179	3	HDR biased	2.1853	2.186	0.0007
180	3	HDR biased	2.1835	2.1835	0
187	0	correlation	2.1858	2.1861	0.0003
188	0	correlation	2.1856	2.1857	0.0001
189	0	correlation	2.1853	2.1856	0.0003
190	0	correlation	2.1841	2.1841	0
191	0	correlation	2.1842	2.1841	-0.0001
192	0	correlation	2.1864	2.1864	0
193	0	correlation	2.1874	2.1874	0

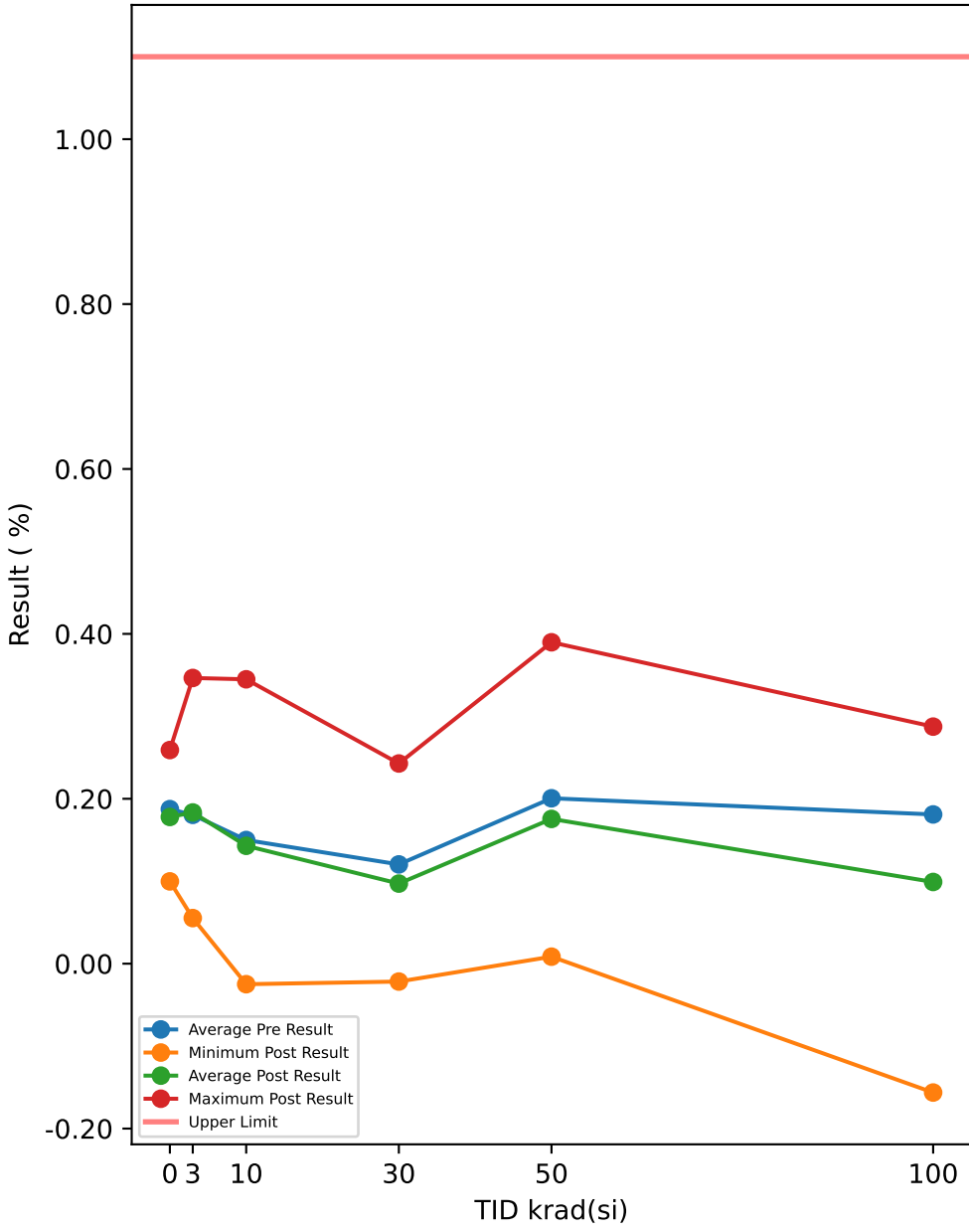
TID vs Post - Pre Exposure Delta



Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.1841	2.1855	2.1874	0.0011688	2.1841	2.1856	2.1874	0.0011996	-0.0001	8.5714e-05	0.0003	0.00015736
3	2.1832	2.1852	2.1876	0.0015182	2.1828	2.1854	2.1888	0.0018118	-0.0005	0.0002	0.0012	0.00054975
10	2.1829	2.1848	2.187	0.0012758	2.1835	2.1846	2.1874	0.001311	-0.0009	-0.0002	0.0008	0.00052915
30	2.1814	2.1841	2.1869	0.0017806	2.1805	2.1834	2.1856	0.0016933	-0.0022	-0.00076	0	0.00068183
50	2.1819	2.1848	2.1883	0.0018665	2.1796	2.1843	2.1878	0.0024669	-0.0023	-0.00051	0.0008	0.0009243
100	2.1822	2.1844	2.189	0.002104	2.1806	2.1826	2.1869	0.0021208	-0.0033	-0.0018	-0.0008	0.00078031

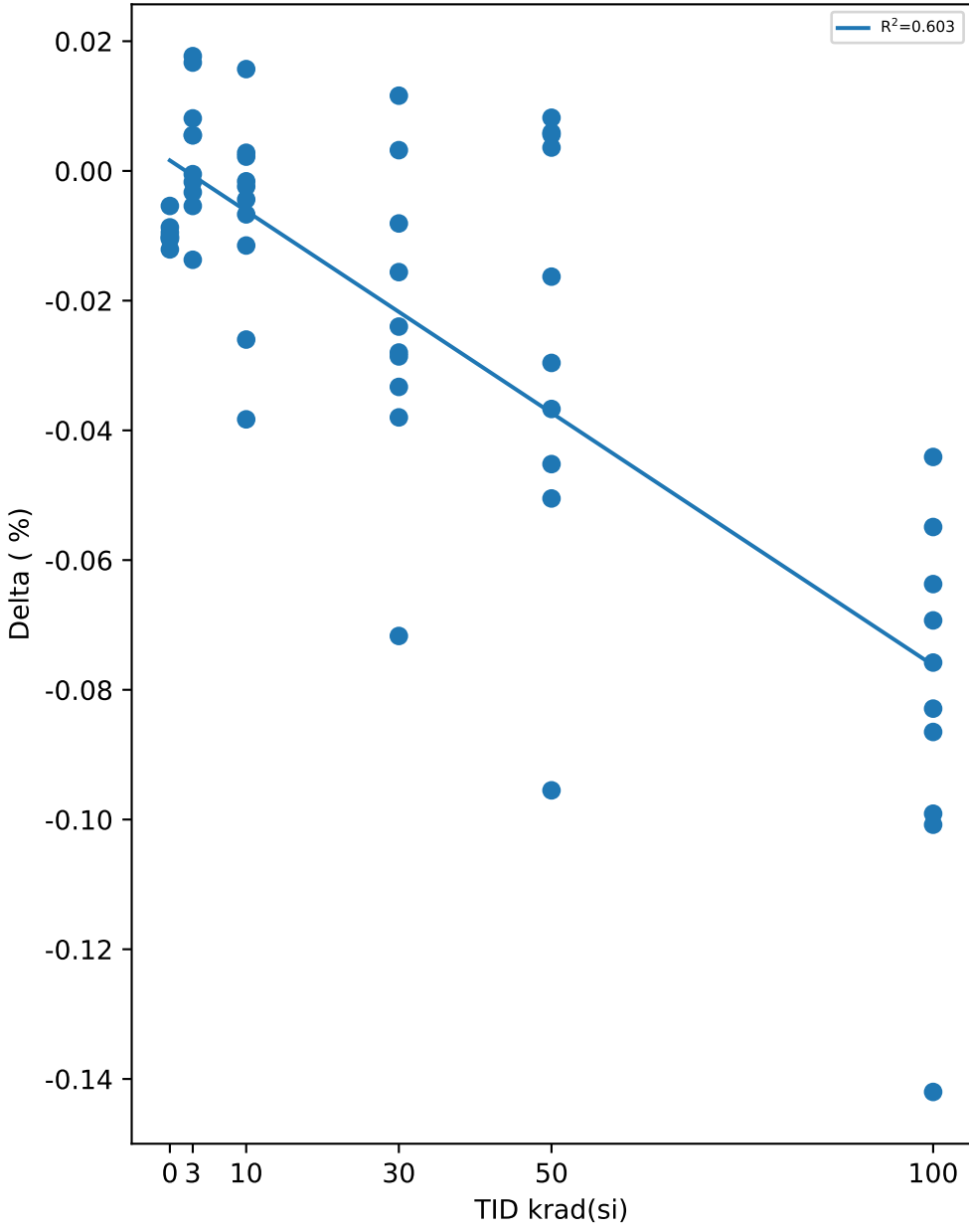
TID vs Result Stats



Test Results (Upper Limit = 1.1 (%))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.1683	0.1764	0.0081
55	3	HDR unbiased	0.1167	0.1162	-0.0005
57	3	HDR unbiased	0.2189	0.2356	0.0167
58	3	HDR unbiased	0.1086	0.1263	0.0177
59	3	HDR unbiased	0.057	0.0553	-0.0017
82	10	HDR unbiased	0.221	0.2367	0.0157
83	10	HDR unbiased	0.3421	0.3449	0.0028
84	10	HDR unbiased	0.0515	0.0471	-0.0044
85	10	HDR unbiased	0.0412	0.0297	-0.0115
87	10	HDR unbiased	0.1183	0.1159	-0.0024
94	30	HDR unbiased	0.2708	0.2428	-0.028
95	30	HDR unbiased	-0.0019	0.0097	0.0116
97	30	HDR unbiased	0.1959	0.1673	-0.0286
98	30	HDR unbiased	0.0019	-0.0062	-0.0081
99	30	HDR unbiased	0.084	0.0684	-0.0156
105	50	HDR unbiased	0.1827	0.1664	-0.0163
107	50	HDR unbiased	0.3874	0.2919	-0.0955
108	50	HDR unbiased	0.1813	0.1517	-0.0296
109	50	HDR unbiased	0.4265	0.3898	-0.0367
110	50	HDR unbiased	0.2352	0.19	-0.0452
121	100	HDR biased	0.1442	0.1001	-0.0441
123	100	HDR biased	0.374	0.2875	-0.0865
124	100	HDR biased	0.2876	0.2239	-0.0637
125	100	HDR biased	0.041	-0.0139	-0.0549
126	100	HDR biased	0.0443	-0.0315	-0.0758
127	50	HDR biased	0.0404	0.0486	0.0082
128	50	HDR biased	0.2308	0.2364	0.0056
129	50	HDR biased	0.0026	0.0085	0.0059
130	50	HDR biased	0.2383	0.1878	-0.0505
132	50	HDR biased	0.0809	0.0845	0.0036
149	100	HDR unbiased	0.2639	0.1946	-0.0693
150	100	HDR unbiased	0.3213	0.2222	-0.0991
151	100	HDR unbiased	0.2078	0.0658	-0.142
152	100	HDR unbiased	0.1814	0.0985	-0.0829
153	100	HDR unbiased	-0.0555	-0.1563	-0.1008
164	30	HDR biased	0.0906	0.0938	0.0032
165	30	HDR biased	0.0023	-0.0217	-0.024
166	30	HDR biased	0.2119	0.1402	-0.0717
168	30	HDR biased	0.135	0.1017	-0.0333
169	30	HDR biased	0.2134	0.1754	-0.038
170	10	HDR biased	0.1894	0.1827	-0.0067
171	10	HDR biased	0.177	0.1792	0.0022
172	10	HDR biased	0.3735	0.3352	-0.0383
173	10	HDR biased	0.009	-0.017	-0.026
174	10	HDR biased	-0.0233	-0.0249	-0.0016
175	3	HDR biased	0.0983	0.1038	0.0055
176	3	HDR biased	0.2762	0.2625	-0.0137
178	3	HDR biased	0.2098	0.2044	-0.0054
179	3	HDR biased	0.2102	0.2069	-0.0033
180	3	HDR biased	0.341	0.3465	0.0055
187	0	correlation	0.1126	0.1005	-0.0121
188	0	correlation	0.136	0.1306	-0.0054
189	0	correlation	0.2407	0.2312	-0.0095
190	0	correlation	0.2401	0.2296	-0.0105
191	0	correlation	0.2692	0.2591	-0.0101
192	0	correlation	0.2035	0.1948	-0.0087
193	0	correlation	0.1101	0.0998	-0.0103

TID vs Post - Pre Exposure Delta

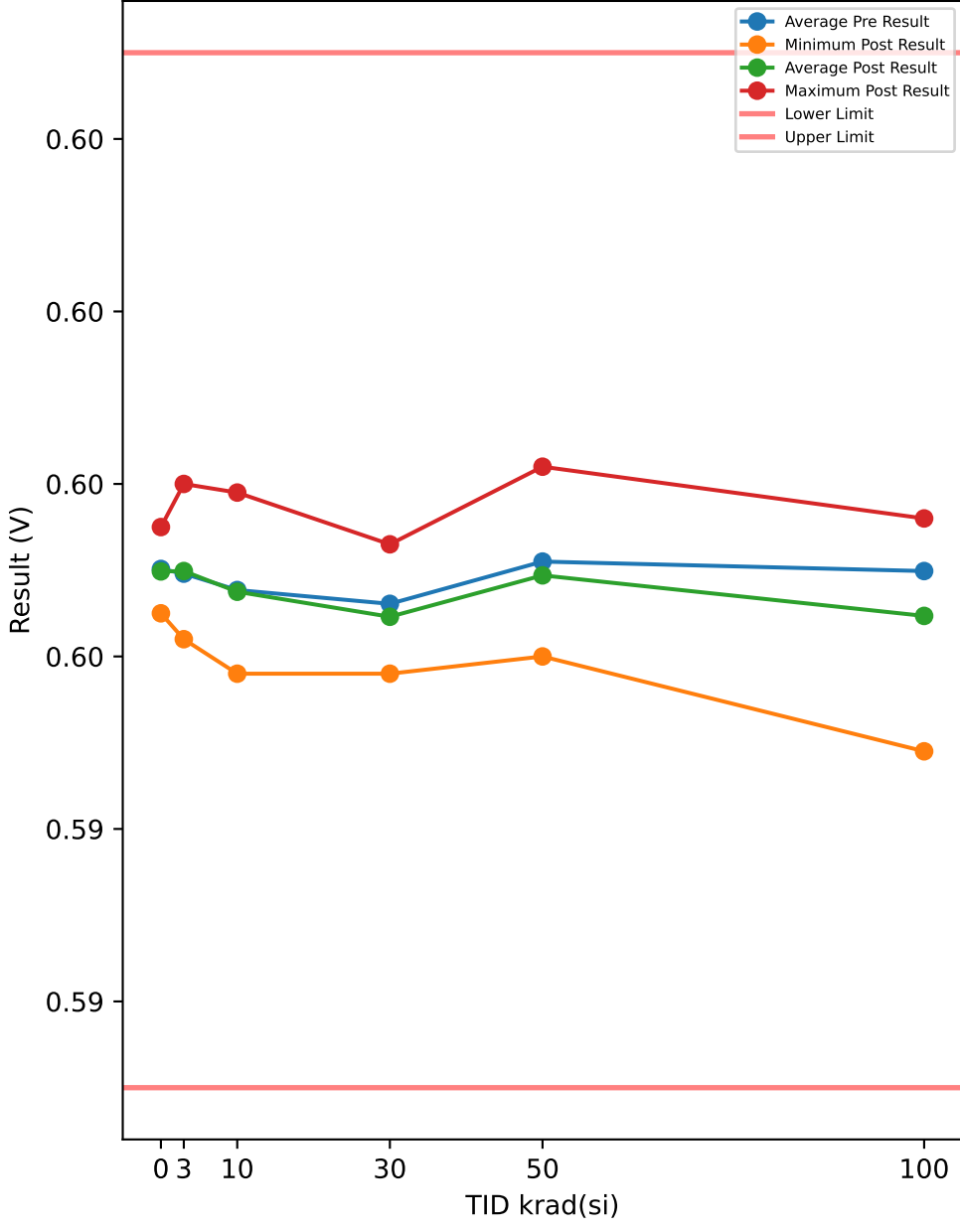


Test Statistics (%)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.1101	0.18746	0.2692	0.066809	0.0998	0.17794	0.2591	0.066734	-0.0121	-0.0095143	-0.0054	0.00209
3	0.057	0.1805	0.341	0.087896	0.0553	0.18339	0.3465	0.086376	-0.0137	0.00289	0.0177	0.0098073
10	-0.0233	0.14997	0.3735	0.13607	-0.0249	0.14295	0.3449	0.13578	-0.0383	-0.00702	0.0157	0.015326
30	-0.0019	0.12039	0.2708	0.1004	-0.0217	0.09714	0.2428	0.086554	-0.0717	-0.02325	0.0116	0.023381
50	0.0026	0.20061	0.4265	0.13717	0.0085	0.17556	0.3898	0.11376	-0.0955	-0.02505	0.0082	0.033456
100	-0.0555	0.181	0.374	0.13803	-0.1563	0.09909	0.2875	0.13805	-0.142	-0.08191	-0.0441	0.027833

Device Test: 15.74 VFB_25C(FB|VFB/FB/14/13.9//10//@VFB_25C)

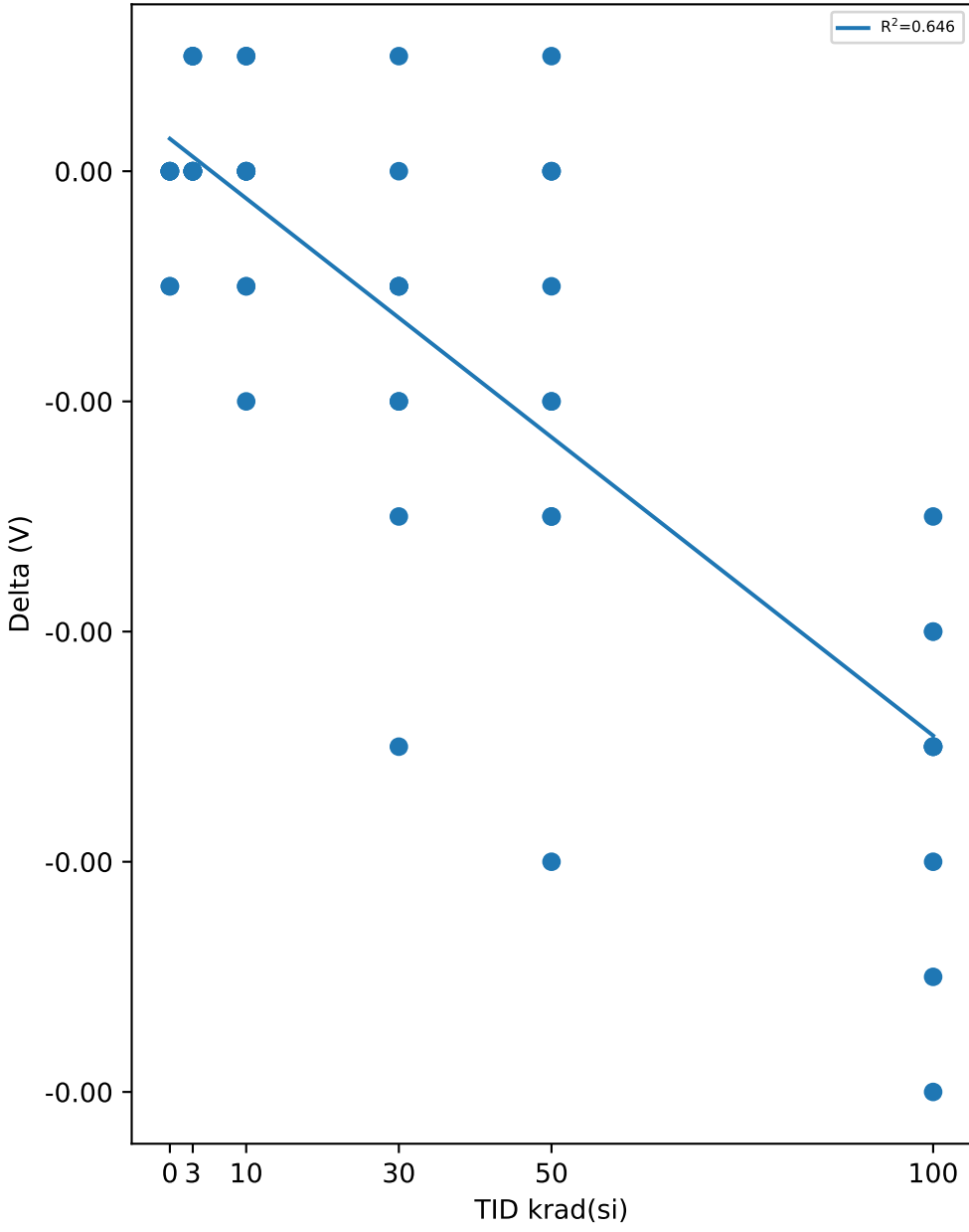
TID vs Result Stats



Test Results (Lower Limit = 0.591, Upper Limit = 0.603 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.5969	0.5969	0
55	3	HDR unbiased	0.5966	0.5966	0
57	3	HDR unbiased	0.5972	0.5973	0.0001
58	3	HDR unbiased	0.5965	0.5966	0.0001
59	3	HDR unbiased	0.5962	0.5962	0
82	10	HDR unbiased	0.5972	0.5973	0.0001
83	10	HDR unbiased	0.5979	0.5979	0
84	10	HDR unbiased	0.5962	0.5962	0
85	10	HDR unbiased	0.5961	0.596	-0.0001
87	10	HDR unbiased	0.5966	0.5966	0
94	30	HDR unbiased	0.5975	0.5973	-0.0002
95	30	HDR unbiased	0.5959	0.5959	0
97	30	HDR unbiased	0.597	0.5969	-0.0001
98	30	HDR unbiased	0.5959	0.5958	-0.0001
99	30	HDR unbiased	0.5964	0.5963	-0.0001
105	50	HDR unbiased	0.597	0.5969	-0.0001
107	50	HDR unbiased	0.5982	0.5976	-0.0006
108	50	HDR unbiased	0.597	0.5968	-0.0002
109	50	HDR unbiased	0.5984	0.5982	-0.0002
110	50	HDR unbiased	0.5973	0.597	-0.0003
121	100	HDR biased	0.5968	0.5965	-0.0003
123	100	HDR biased	0.5981	0.5976	-0.0005
124	100	HDR biased	0.5976	0.5972	-0.0004
125	100	HDR biased	0.5962	0.5958	-0.0004
126	100	HDR biased	0.5962	0.5957	-0.0005
127	50	HDR biased	0.5962	0.5962	0
128	50	HDR biased	0.5973	0.5973	0
129	50	HDR biased	0.5959	0.596	0.0001
130	50	HDR biased	0.5973	0.597	-0.0003
132	50	HDR biased	0.5964	0.5964	0
149	100	HDR unbiased	0.5975	0.597	-0.0005
150	100	HDR unbiased	0.5978	0.5972	-0.0006
151	100	HDR unbiased	0.5971	0.5963	-0.0008
152	100	HDR unbiased	0.597	0.5965	-0.0005
153	100	HDR unbiased	0.5956	0.5949	-0.0007
164	30	HDR biased	0.5964	0.5965	0.0001
165	30	HDR biased	0.5959	0.5958	-0.0001
166	30	HDR biased	0.5972	0.5967	-0.0005
168	30	HDR biased	0.5967	0.5965	-0.0002
169	30	HDR biased	0.5972	0.5969	-0.0003
170	10	HDR biased	0.597	0.597	0
171	10	HDR biased	0.5969	0.597	0.0001
172	10	HDR biased	0.5981	0.5979	-0.0002
173	10	HDR biased	0.5959	0.5958	-0.0001
174	10	HDR biased	0.5958	0.5958	0
175	3	HDR biased	0.5965	0.5965	0
176	3	HDR biased	0.5975	0.5975	0
178	3	HDR biased	0.5971	0.5971	0
179	3	HDR biased	0.5972	0.5972	0
180	3	HDR biased	0.5979	0.598	0.0001
187	0	correlation	0.5966	0.5965	-0.0001
188	0	correlation	0.5967	0.5967	0
189	0	correlation	0.5973	0.5973	0
190	0	correlation	0.5973	0.5973	0
191	0	correlation	0.5975	0.5975	0
192	0	correlation	0.5971	0.5971	0
193	0	correlation	0.5966	0.5965	-0.0001

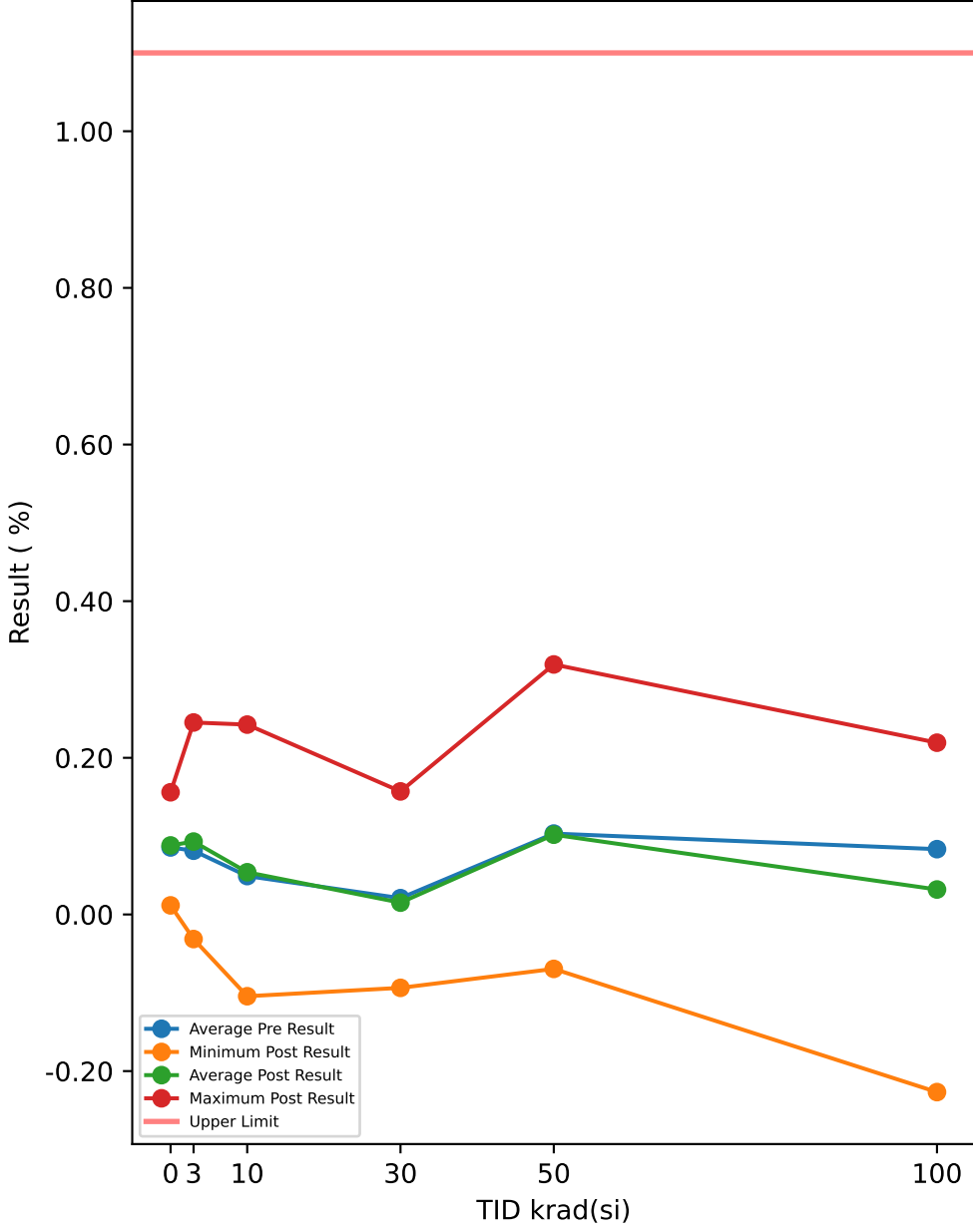
TID vs Post - Pre Exposure Delta



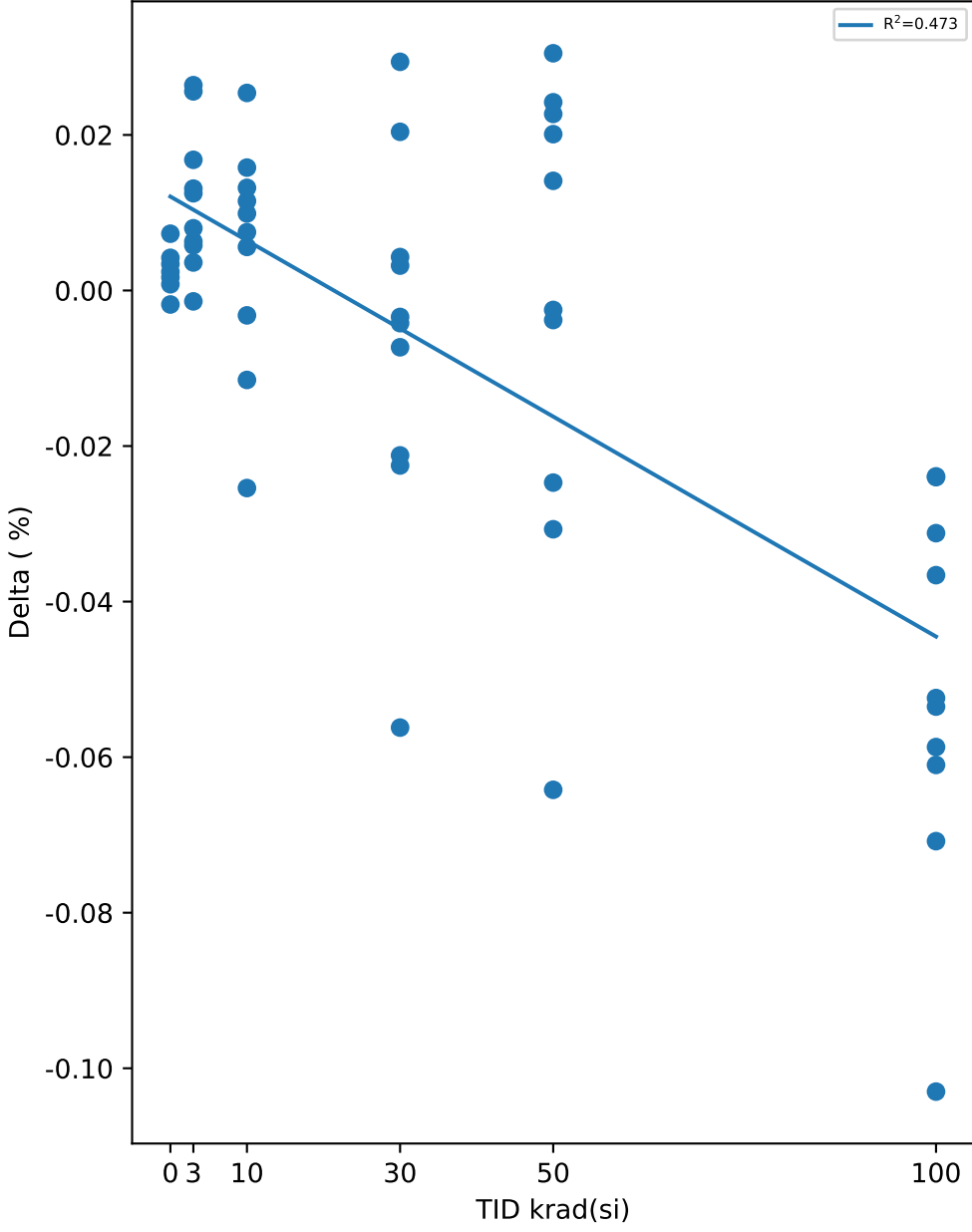
Test Statistics (V)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.5966	0.59701	0.5975	0.00037607	0.5965	0.59699	0.5975	0.00041404	-0.0001	-2.8571e-05	0	4.8795e-05
3	0.5962	0.59696	0.5979	0.00052111	0.5962	0.59699	0.598	0.00053841	0	3e-05	0.0001	4.8305e-05
10	0.5958	0.59677	0.5981	0.00080284	0.5958	0.59675	0.5979	0.00080035	-0.0002	-2e-05	0.0001	9.1894e-05
30	0.5959	0.59661	0.5975	0.00060083	0.5958	0.59646	0.5973	0.00051251	-0.0005	-0.00015	0.0001	0.00016499
50	0.5959	0.5971	0.5984	0.00080139	0.596	0.59694	0.5982	0.00065862	-0.0006	-0.00016	0.0001	0.00020656
100	0.5956	0.59699	0.5981	0.00079924	0.5949	0.59647	0.5976	0.00082738	-0.0008	-0.00052	-0.0003	0.00014757

TID vs Result Stats



TID vs Post - Pre Exposure Delta



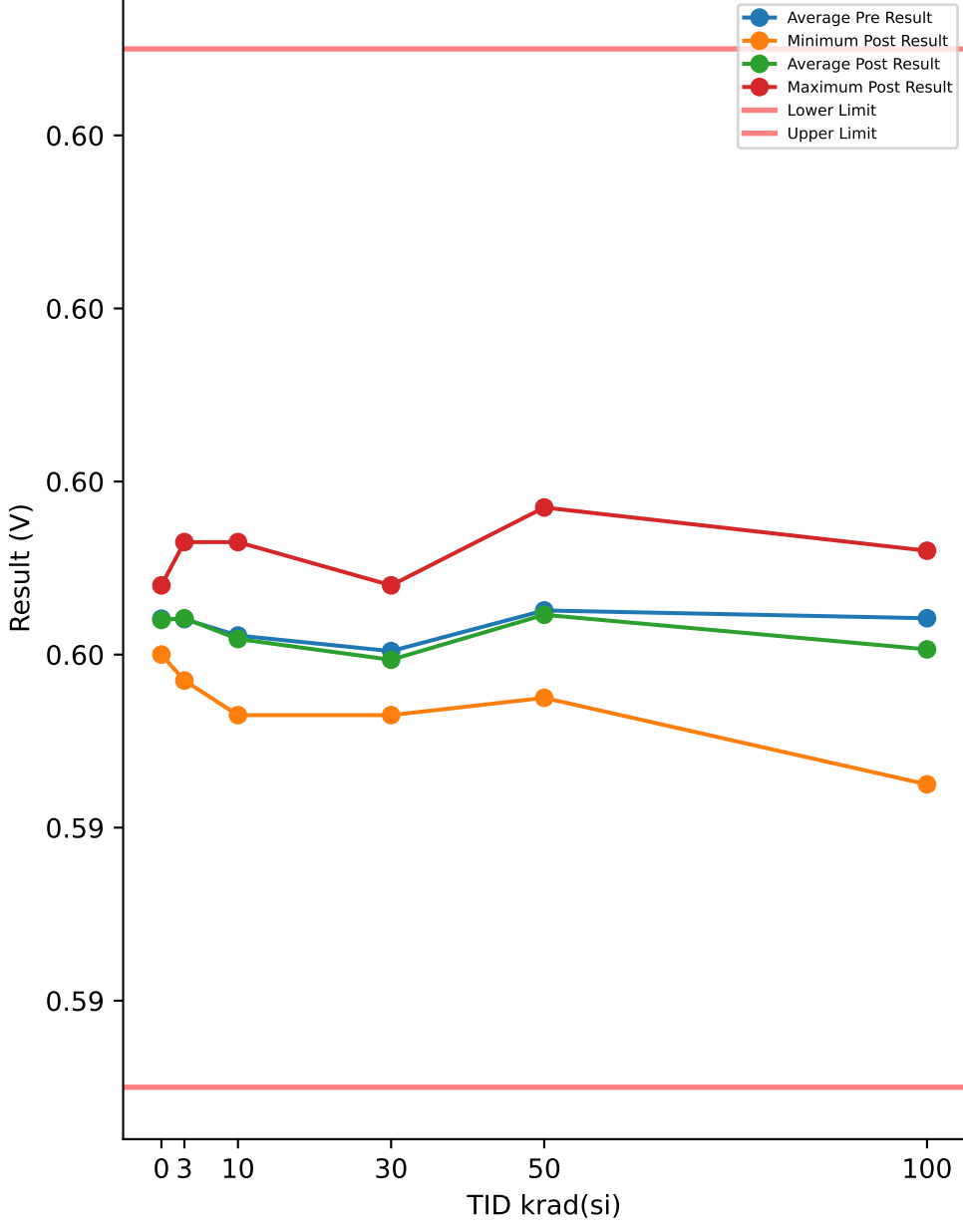
Test Results (Upper Limit = 1.1 (%))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.0767	0.0892	0.0125
55	3	HDR unbiased	0.0163	0.0221	0.0058
57	3	HDR unbiased	0.1259	0.1515	0.0256
58	3	HDR unbiased	0.0102	0.0366	0.0264
59	3	HDR unbiased	-0.035	-0.0314	0.0036
82	10	HDR unbiased	0.1254	0.1508	0.0254
83	10	HDR unbiased	0.2266	0.2424	0.0158
84	10	HDR unbiased	-0.0447	-0.0372	0.0075
85	10	HDR unbiased	-0.0619	-0.0651	-0.0032
87	10	HDR unbiased	0.012	0.0235	0.0115
94	30	HDR unbiased	0.1613	0.1571	-0.0042
95	30	HDR unbiased	-0.1023	-0.0729	0.0294
97	30	HDR unbiased	0.0853	0.0819	-0.0034
98	30	HDR unbiased	-0.0902	-0.0859	0.0043
99	30	HDR unbiased	-0.0167	-0.0135	0.0032
105	50	HDR unbiased	0.0823	0.0964	0.0141
107	50	HDR unbiased	0.274	0.2098	-0.0642
108	50	HDR unbiased	0.0829	0.0804	-0.0025
109	50	HDR unbiased	0.323	0.3192	-0.0038
110	50	HDR unbiased	0.1356	0.1109	-0.0247
121	100	HDR biased	0.053	0.029	-0.024
123	100	HDR biased	0.278	0.2193	-0.0587
124	100	HDR biased	0.1856	0.1544	-0.0312
125	100	HDR biased	-0.0591	-0.083	-0.0239
126	100	HDR biased	-0.0373	-0.0897	-0.0524
127	50	HDR biased	-0.0536	-0.0231	0.0305
128	50	HDR biased	0.1435	0.1636	0.0201
129	50	HDR biased	-0.0922	-0.0695	0.0227
130	50	HDR biased	0.1468	0.1161	-0.0307
132	50	HDR biased	-0.0096	0.0146	0.0242
149	100	HDR unbiased	0.1657	0.1291	-0.0366
150	100	HDR unbiased	0.2172	0.1562	-0.061
151	100	HDR unbiased	0.1059	0.0029	-0.103
152	100	HDR unbiased	0.0807	0.0272	-0.0535
153	100	HDR unbiased	-0.156	-0.2268	-0.0708
164	30	HDR biased	-0.0213	-0.0009	0.0204
165	30	HDR biased	-0.0864	-0.0937	-0.0073
166	30	HDR biased	0.1139	0.0577	-0.0562
168	30	HDR biased	0.0478	0.0266	-0.0212
169	30	HDR biased	0.1169	0.0944	-0.0225
170	10	HDR biased	0.0876	0.0932	0.0056
171	10	HDR biased	0.0811	0.0943	0.0132
172	10	HDR biased	0.2665	0.2411	-0.0254
173	10	HDR biased	-0.0882	-0.0997	-0.0115
174	10	HDR biased	-0.1143	-0.1044	0.0099
175	3	HDR biased	-0.007	0.0098	0.0168
176	3	HDR biased	0.1812	0.1798	-0.0014
178	3	HDR biased	0.1026	0.1106	0.008
179	3	HDR biased	0.111	0.1173	0.0063
180	3	HDR biased	0.232	0.2451	0.0131
187	0	correlation	0.0162	0.0186	0.0024
188	0	correlation	0.036	0.0433	0.0073
189	0	correlation	0.1438	0.1455	0.0017
190	0	correlation	0.1337	0.1379	0.0042
191	0	correlation	0.1552	0.156	0.0008
192	0	correlation	0.1006	0.104	0.0034
193	0	correlation	0.0134	0.0116	-0.0018

Test Statistics (%)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.0134	0.085557	0.1552	0.062262	0.0116	0.088129	0.156	0.062353	-0.0018	0.0025714	0.0073	0.00285
3	-0.035	0.08139	0.232	0.086049	-0.0314	0.09306	0.2451	0.085382	-0.0014	0.01167	0.0264	0.0091456
10	-0.1143	0.04901	0.2665	0.13129	-0.1044	0.05389	0.2424	0.13131	-0.0254	0.00488	0.0254	0.014668
30	-0.1023	0.02083	0.1613	0.096998	-0.0937	0.01508	0.1571	0.084142	-0.0562	-0.00575	0.0294	0.02398
50	-0.0922	0.10327	0.323	0.13266	-0.0695	0.10184	0.3192	0.11356	-0.0642	-0.00143	0.0305	0.030384
100	-0.156	0.08337	0.278	0.13606	-0.2268	0.03186	0.2193	0.13776	-0.103	-0.05151	-0.0239	0.024321

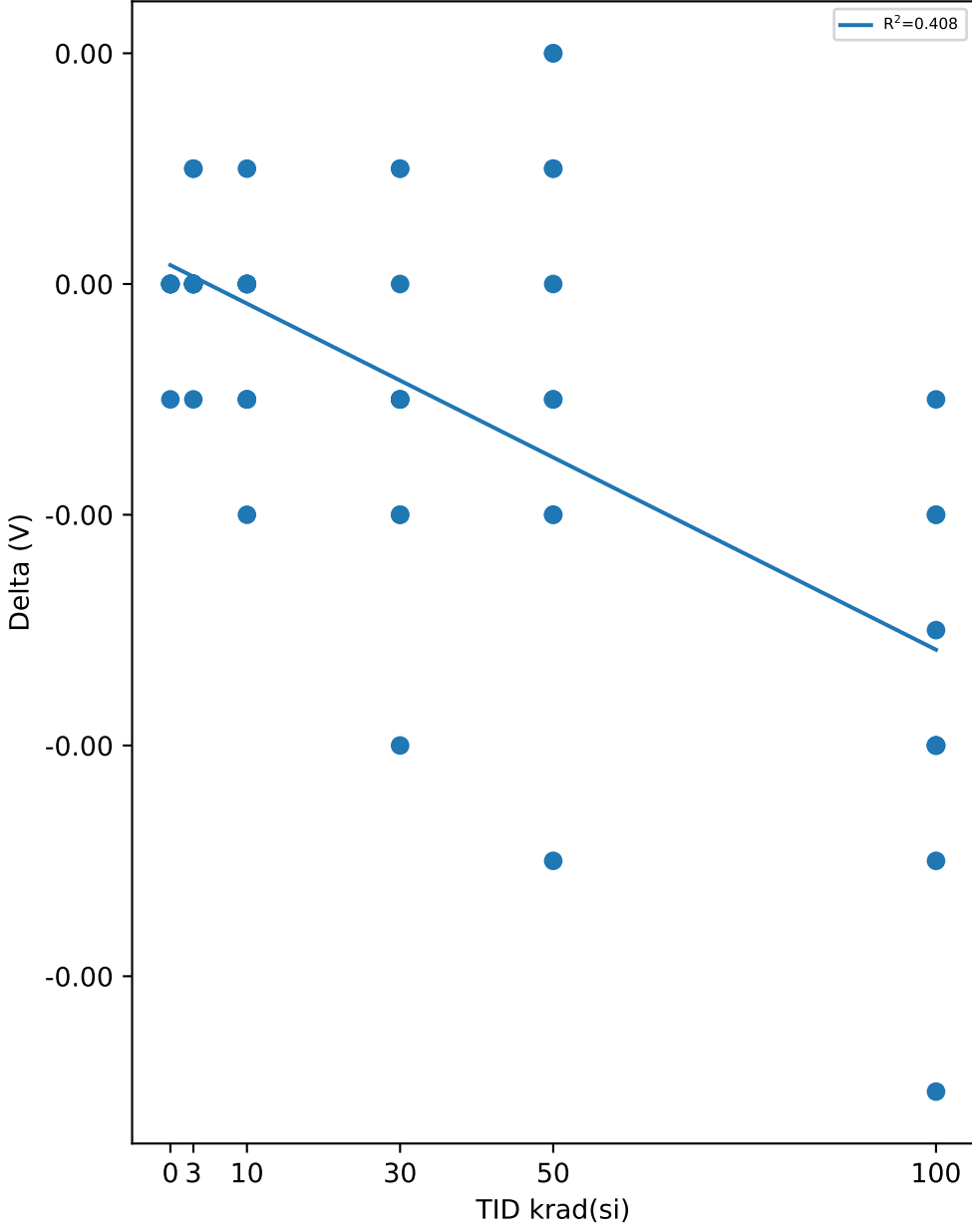
TID vs Result Stats



Test Results (Lower Limit = 0.591, Upper Limit = 0.603 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.5964	0.5964	0
55	3	HDR unbiased	0.596	0.596	0
57	3	HDR unbiased	0.5967	0.5968	0.0001
58	3	HDR unbiased	0.596	0.5961	0.0001
59	3	HDR unbiased	0.5957	0.5957	0
82	10	HDR unbiased	0.5967	0.5967	0
83	10	HDR unbiased	0.5973	0.5973	0
84	10	HDR unbiased	0.5957	0.5956	-0.0001
85	10	HDR unbiased	0.5956	0.5955	-0.0001
87	10	HDR unbiased	0.596	0.596	0
94	30	HDR unbiased	0.5969	0.5968	-0.0001
95	30	HDR unbiased	0.5953	0.5954	0.0001
97	30	HDR unbiased	0.5964	0.5963	-0.0001
98	30	HDR unbiased	0.5954	0.5953	-0.0001
99	30	HDR unbiased	0.5958	0.5958	0
105	50	HDR unbiased	0.5964	0.5964	0
107	50	HDR unbiased	0.5976	0.5971	-0.0005
108	50	HDR unbiased	0.5964	0.5963	-0.0001
109	50	HDR unbiased	0.5978	0.5977	-0.0001
110	50	HDR unbiased	0.5967	0.5965	-0.0002
121	100	HDR biased	0.5962	0.5961	-0.0001
123	100	HDR biased	0.5976	0.5972	-0.0004
124	100	HDR biased	0.597	0.5968	-0.0002
125	100	HDR biased	0.5956	0.5954	-0.0002
126	100	HDR biased	0.5957	0.5953	-0.0004
127	50	HDR biased	0.5956	0.5957	0.0001
128	50	HDR biased	0.5967	0.5968	0.0001
129	50	HDR biased	0.5953	0.5955	0.0002
130	50	HDR biased	0.5968	0.5966	-0.0002
132	50	HDR biased	0.5958	0.596	0.0002
149	100	HDR unbiased	0.5969	0.5966	-0.0003
150	100	HDR unbiased	0.5972	0.5968	-0.0004
151	100	HDR unbiased	0.5966	0.5959	-0.0007
152	100	HDR unbiased	0.5964	0.596	-0.0004
153	100	HDR unbiased	0.595	0.5945	-0.0005
164	30	HDR biased	0.5958	0.5959	0.0001
165	30	HDR biased	0.5954	0.5953	-0.0001
166	30	HDR biased	0.5966	0.5962	-0.0004
168	30	HDR biased	0.5962	0.596	-0.0002
169	30	HDR biased	0.5966	0.5964	-0.0002
170	10	HDR biased	0.5964	0.5964	0
171	10	HDR biased	0.5964	0.5964	0
172	10	HDR biased	0.5975	0.5973	-0.0002
173	10	HDR biased	0.5954	0.5953	-0.0001
174	10	HDR biased	0.5952	0.5953	0.0001
175	3	HDR biased	0.5959	0.5959	0
176	3	HDR biased	0.597	0.5969	-0.0001
178	3	HDR biased	0.5965	0.5965	0
179	3	HDR biased	0.5966	0.5966	0
180	3	HDR biased	0.5973	0.5973	0
187	0	correlation	0.596	0.596	0
188	0	correlation	0.5961	0.5961	0
189	0	correlation	0.5968	0.5967	-0.0001
190	0	correlation	0.5967	0.5967	0
191	0	correlation	0.5968	0.5968	0
192	0	correlation	0.5965	0.5965	0
193	0	correlation	0.596	0.596	0

TID vs Post - Pre Exposure Delta

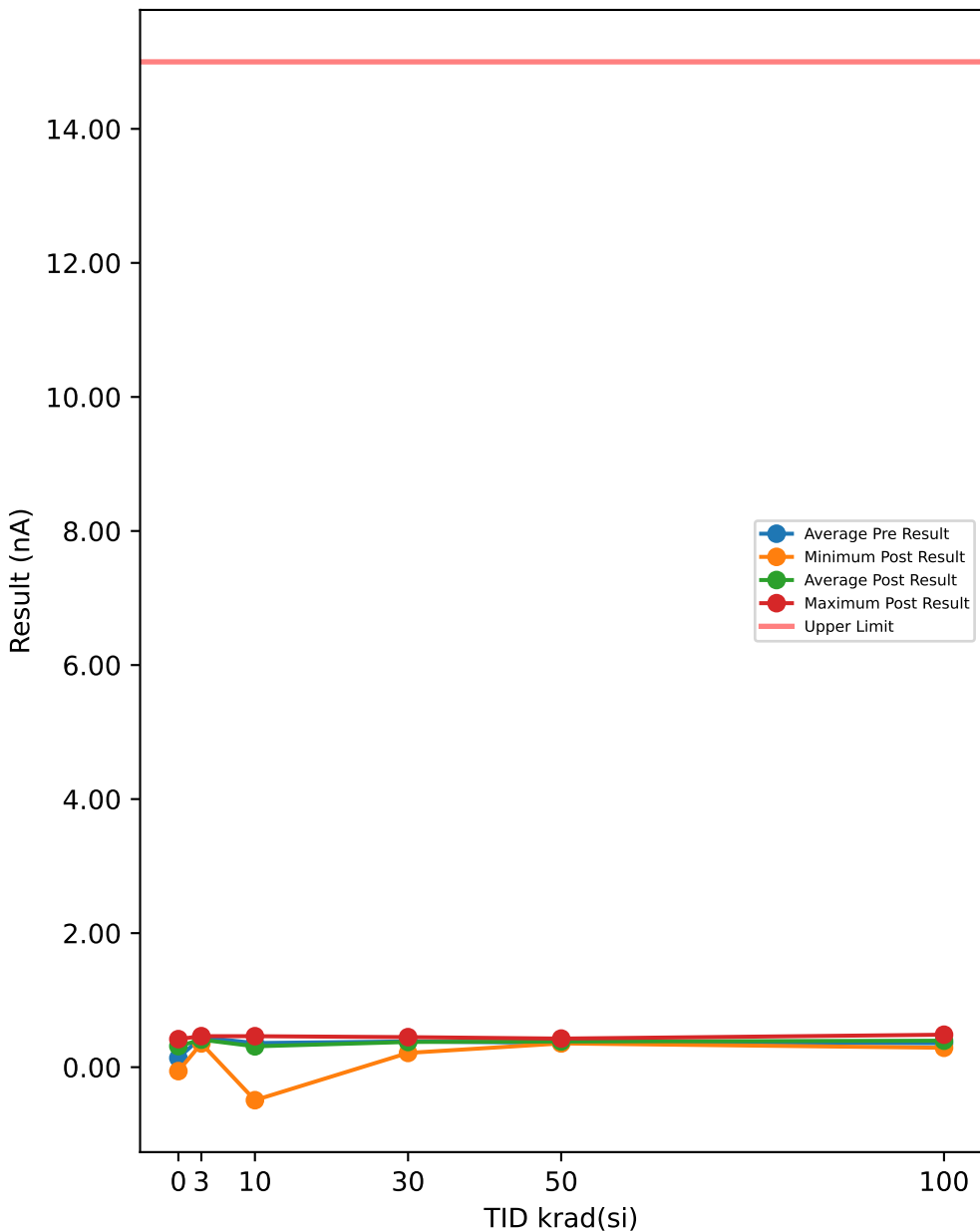


Test Statistics (V)

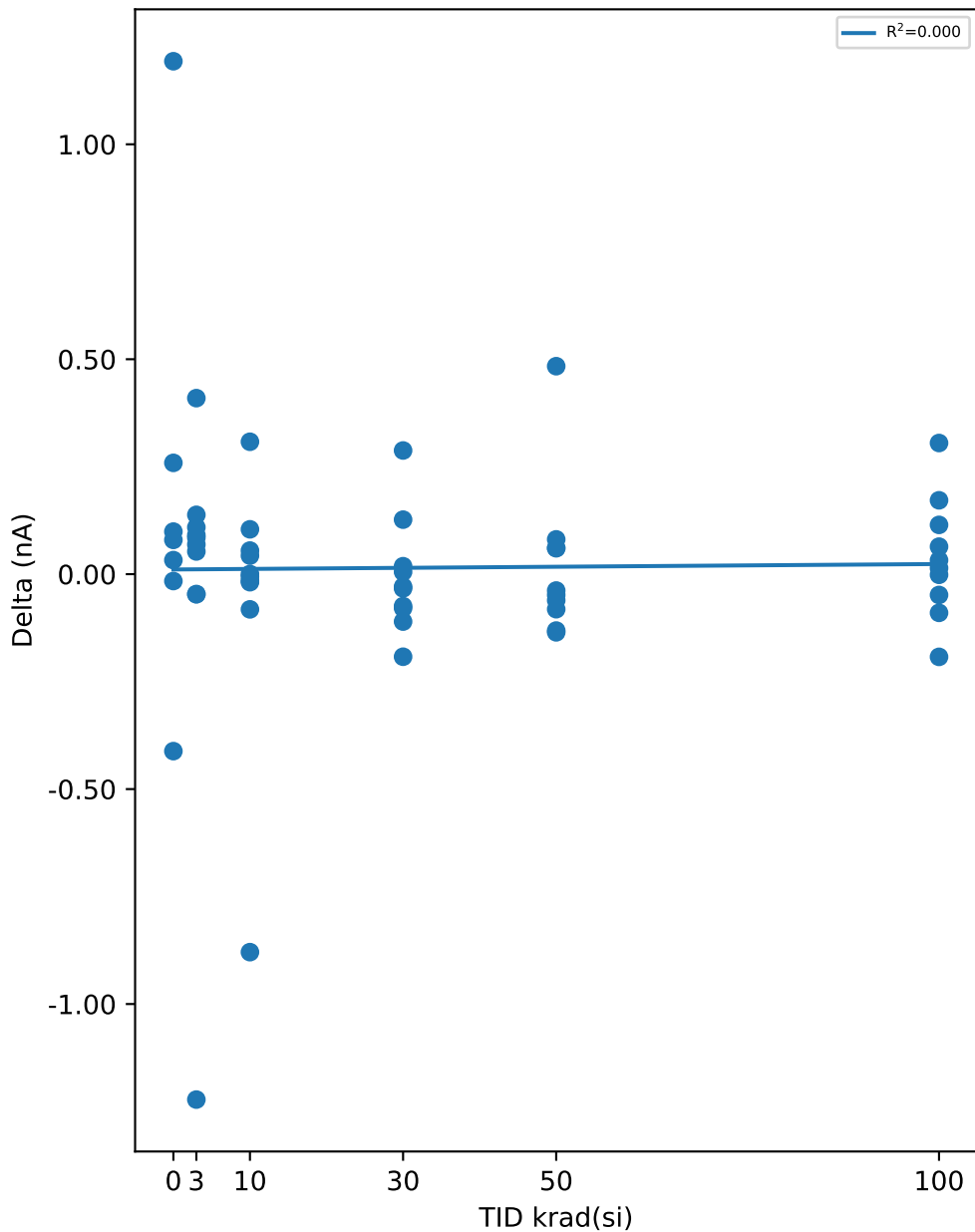
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.596	0.59641	0.5968	0.00037161	0.596	0.5964	0.5968	0.0003559	-0.0001	-1.4286e-05	0	3.7796e-05
3	0.5957	0.59641	0.5973	0.00051305	0.5957	0.59642	0.5973	0.00050067	-0.0001	1e-05	0.0001	5.6765e-05
10	0.5952	0.59622	0.5975	0.00078287	0.5953	0.59618	0.5973	0.0007642	-0.0002	-4e-05	0.0001	8.4327e-05
30	0.5953	0.59604	0.5969	0.00057774	0.5953	0.59594	0.5968	0.00050376	-0.0004	-0.0001	0.0001	0.00014907
50	0.5953	0.59651	0.5978	0.00080478	0.5955	0.59646	0.5977	0.00065184	-0.0005	-5e-05	0.0002	0.00021731
100	0.595	0.59642	0.5976	0.00080664	0.5945	0.59606	0.5972	0.00082758	-0.0007	-0.00036	-0.0001	0.00017127

Device Test: 15.80 I_FB(LEAK|CURRENT/FB/5/////@I_FB)

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 15.0 (nA))

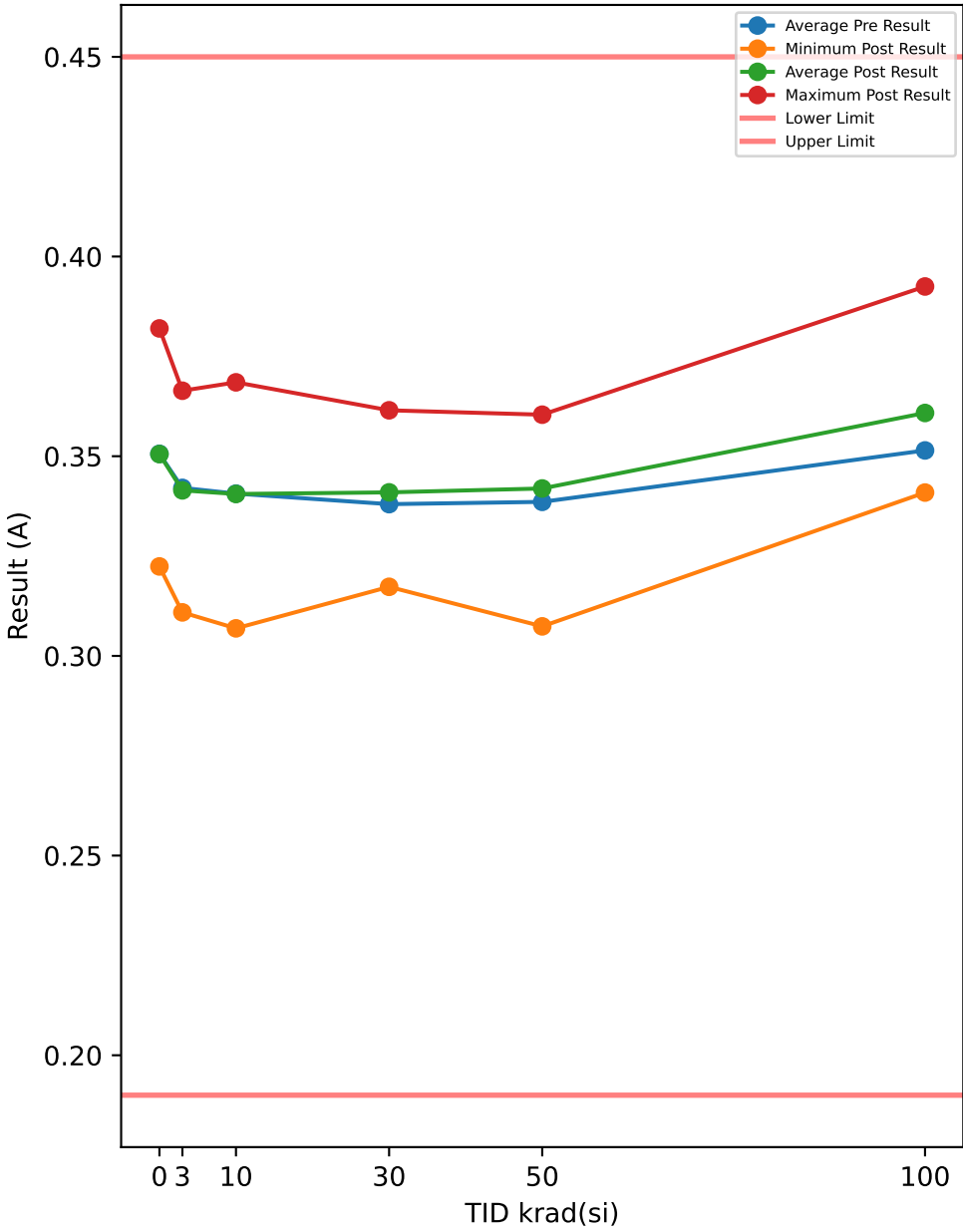
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.3058	0.3908	0.085
55	3	HDR unbiased	0.2852	0.3542	0.069
57	3	HDR unbiased	0.3227	0.4607	0.138
58	3	HDR unbiased	0.0162	0.4257	0.4095
59	3	HDR unbiased	0.3099	0.4189	0.109
82	10	HDR unbiased	0.3736	0.368	-0.0056
83	10	HDR unbiased	0.3192	0.3623	0.0431
84	10	HDR unbiased	0.348	0.4029	0.0549
85	10	HDR unbiased	0.3767	0.3614	-0.0153
87	10	HDR unbiased	0.1162	0.4242	0.308
94	30	HDR unbiased	0.3661	0.3714	0.0053
95	30	HDR unbiased	0.3005	0.4273	0.1268
97	30	HDR unbiased	0.119	0.4067	0.2877
98	30	HDR unbiased	0.3886	0.3595	-0.0291
99	30	HDR unbiased	0.3876	0.4061	0.0185
105	50	HDR unbiased	0.3111	0.372	0.0609
107	50	HDR unbiased	0.4788	0.4179	-0.0609
108	50	HDR unbiased	0.4173	0.3792	-0.0381
109	50	HDR unbiased	0.3458	0.4267	0.0809
110	50	HDR unbiased	0.3286	0.3889	0.0603
121	100	HDR biased	0.5797	0.3873	-0.1924
123	100	HDR biased	0.3014	0.416	0.1146
124	100	HDR biased	0.0956	0.4007	0.3051
125	100	HDR biased	0.3795	0.2895	-0.09
126	100	HDR biased	0.4445	0.3961	-0.0484
127	50	HDR biased	0.4538	0.3723	-0.0815
128	50	HDR biased	0.4898	0.3545	-0.1353
129	50	HDR biased	-0.1184	0.3654	0.4838
130	50	HDR biased	0.4941	0.3629	-0.1312
132	50	HDR biased	0.4382	0.3898	-0.0484
149	100	HDR unbiased	0.3127	0.4845	0.1718
150	100	HDR unbiased	0.3904	0.3889	-0.0015
151	100	HDR unbiased	0.3408	0.4048	0.064
152	100	HDR unbiased	0.3389	0.353	0.0141
153	100	HDR unbiased	0.3992	0.4317	0.0325
164	30	HDR biased	0.4254	0.3511	-0.0743
165	30	HDR biased	0.4048	0.2127	-0.1921
166	30	HDR biased	0.4838	0.4048	-0.079
168	30	HDR biased	0.4813	0.4482	-0.0331
169	30	HDR biased	0.4854	0.3751	-0.1103
170	10	HDR biased	0.4448	0.4451	0.0003
171	10	HDR biased	0.4585	0.4398	-0.0187
172	10	HDR biased	0.387	-0.4923	-0.8793
173	10	HDR biased	0.4167	0.3348	-0.0819
174	10	HDR biased	0.358	0.4623	0.1043
175	3	HDR biased	0.4254	0.3789	-0.0465
176	3	HDR biased	0.372	0.4629	0.0909
178	3	HDR biased	0.3492	0.402	0.0528
179	3	HDR biased	0.4192	0.3726	-0.0466
180	3	HDR biased	1.6611	0.4388	-1.2223
187	0	correlation	-0.7962	0.397	1.1932
188	0	correlation	0.2733	0.353	0.0797
189	0	correlation	0.3705	0.3545	-0.016
190	0	correlation	0.3858	0.4185	0.0327
191	0	correlation	0.0912	0.3501	0.2589
192	0	correlation	0.353	-0.0587	-0.4117
193	0	correlation	0.2836	0.3826	0.099

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	-0.7962	0.13731	0.3858	0.4235	-0.0587	0.31386	0.4185	0.16628	-0.4117	0.17654	1.1932	0.49321
3	0.0162	0.44667	1.6611	0.44177	0.3542	0.41055	0.4629	0.037168	-1.2223	-0.03612	0.4095	0.4355
10	0.1162	0.35987	0.4585	0.095773	-0.4923	0.31085	0.4623	0.28539	-0.8793	-0.04902	0.308	0.31039
30	0.119	0.38425	0.4854	0.11026	0.2127	0.37629	0.4482	0.065066	-0.1921	-0.00796	0.2877	0.1339
50	-0.1184	0.36391	0.4941	0.1824	0.3545	0.38296	0.4267	0.023534	-0.1353	0.01905	0.4838	0.18074
100	0.0956	0.35827	0.5797	0.1223	0.2895	0.39525	0.4845	0.050462	-0.1924	0.03698	0.3051	0.13939

Device Test: 16.1 I_LIM_MIN(THRESHOLD|CL_MIN/CL/3.3/////@I_LIM_MIN)

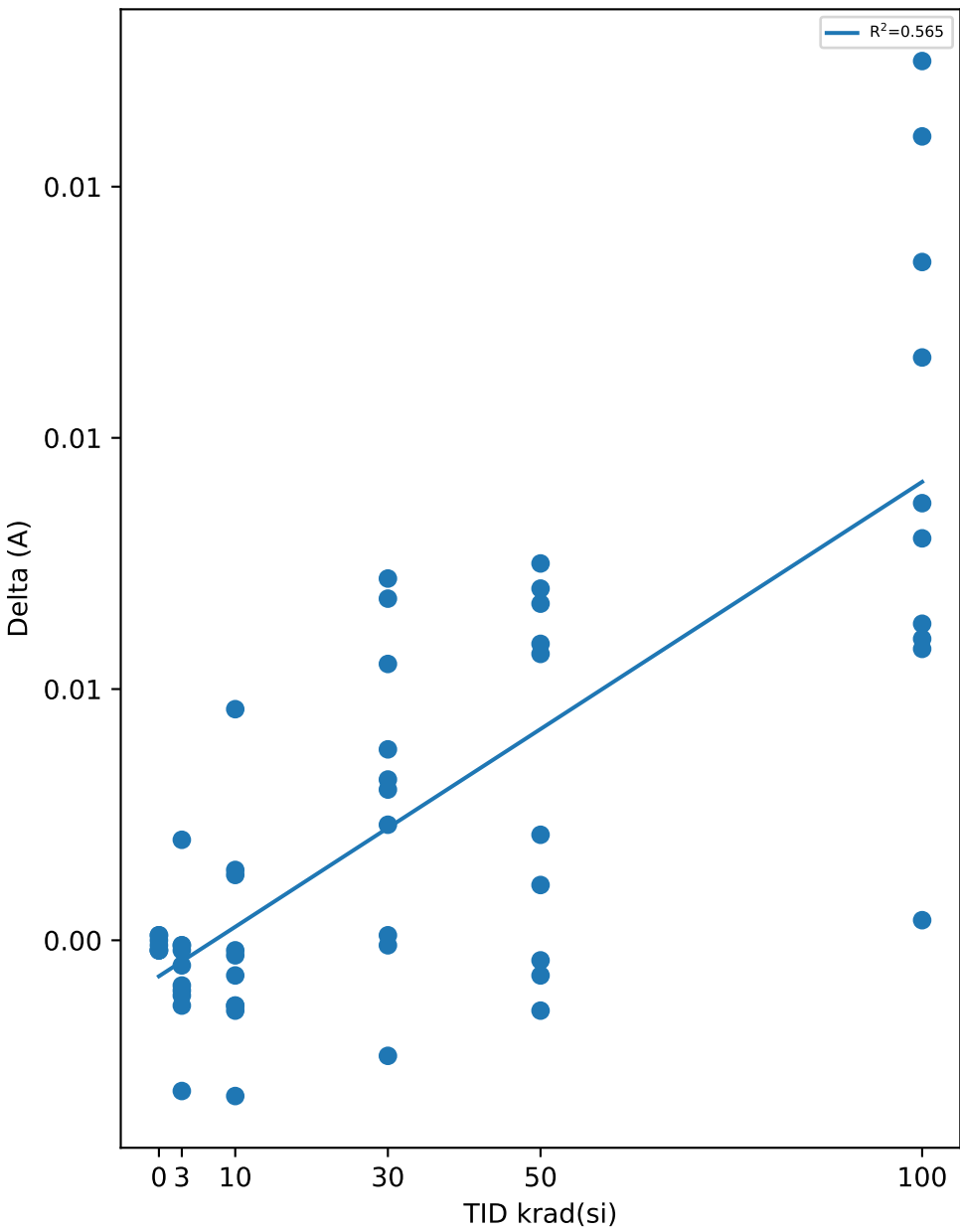
TID vs Result Stats



Test Results (Lower Limit = 0.19, Upper Limit = 0.45 (A))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.311	0.3109	-0.0001
55	3	HDR unbiased	0.3259	0.3257	-0.0002
57	3	HDR unbiased	0.3498	0.3489	-0.0009
58	3	HDR unbiased	0.3462	0.3457	-0.0005
59	3	HDR unbiased	0.3415	0.3404	-0.0011
82	10	HDR unbiased	0.31	0.3069	-0.0031
83	10	HDR unbiased	0.3479	0.3493	0.0014
84	10	HDR unbiased	0.3333	0.333	-0.0003
85	10	HDR unbiased	0.3409	0.3455	0.0046
87	10	HDR unbiased	0.3569	0.3582	0.0013
94	30	HDR unbiased	0.3277	0.3278	0.0001
95	30	HDR unbiased	0.3135	0.3173	0.0038
97	30	HDR unbiased	0.3323	0.33	-0.0023
98	30	HDR unbiased	0.3583	0.3615	0.0032
99	30	HDR unbiased	0.3477	0.3476	-0.0001
105	50	HDR unbiased	0.3386	0.3407	0.0021
107	50	HDR unbiased	0.3088	0.3074	-0.0014
108	50	HDR unbiased	0.3546	0.3542	-0.0004
109	50	HDR unbiased	0.3547	0.3604	0.0057
110	50	HDR unbiased	0.3576	0.3569	-0.0007
121	100	HDR biased	0.3377	0.3464	0.0087
123	100	HDR biased	0.3366	0.3526	0.016
124	100	HDR biased	0.3525	0.3605	0.008
125	100	HDR biased	0.3274	0.3409	0.0135
126	100	HDR biased	0.3548	0.3611	0.0063
127	50	HDR biased	0.3219	0.3286	0.0067
128	50	HDR biased	0.3538	0.3549	0.0011
129	50	HDR biased	0.3372	0.3442	0.007
130	50	HDR biased	0.3126	0.3185	0.0059
132	50	HDR biased	0.3459	0.3534	0.0075
149	100	HDR unbiased	0.3452	0.3568	0.0116
150	100	HDR unbiased	0.3581	0.3641	0.006
151	100	HDR unbiased	0.3436	0.3494	0.0058
152	100	HDR unbiased	0.3921	0.3925	0.0004
153	100	HDR unbiased	0.3665	0.384	0.0175
164	30	HDR biased	0.327	0.3325	0.0055
165	30	HDR biased	0.3382	0.345	0.0068
166	30	HDR biased	0.3461	0.3491	0.003
168	30	HDR biased	0.3467	0.3539	0.0072
169	30	HDR biased	0.3425	0.3448	0.0023
170	10	HDR biased	0.3175	0.3173	-0.0002
171	10	HDR biased	0.3698	0.3685	-0.0013
172	10	HDR biased	0.347	0.3463	-0.0007
173	10	HDR biased	0.3394	0.3381	-0.0013
174	10	HDR biased	0.3437	0.3423	-0.0014
175	3	HDR biased	0.3587	0.3557	-0.003
176	3	HDR biased	0.3677	0.3664	-0.0013
178	3	HDR biased	0.3376	0.3366	-0.001
179	3	HDR biased	0.3506	0.3526	0.002
180	3	HDR biased	0.3317	0.3316	-0.0001
187	0	correlation	0.3225	0.3224	-0.0001
188	0	correlation	0.3353	0.3351	-0.0002
189	0	correlation	0.3482	0.3483	0.0001
190	0	correlation	0.3685	0.3685	0
191	0	correlation	0.3512	0.351	-0.0002
192	0	correlation	0.3466	0.3464	-0.0002
193	0	correlation	0.3819	0.382	0.0001

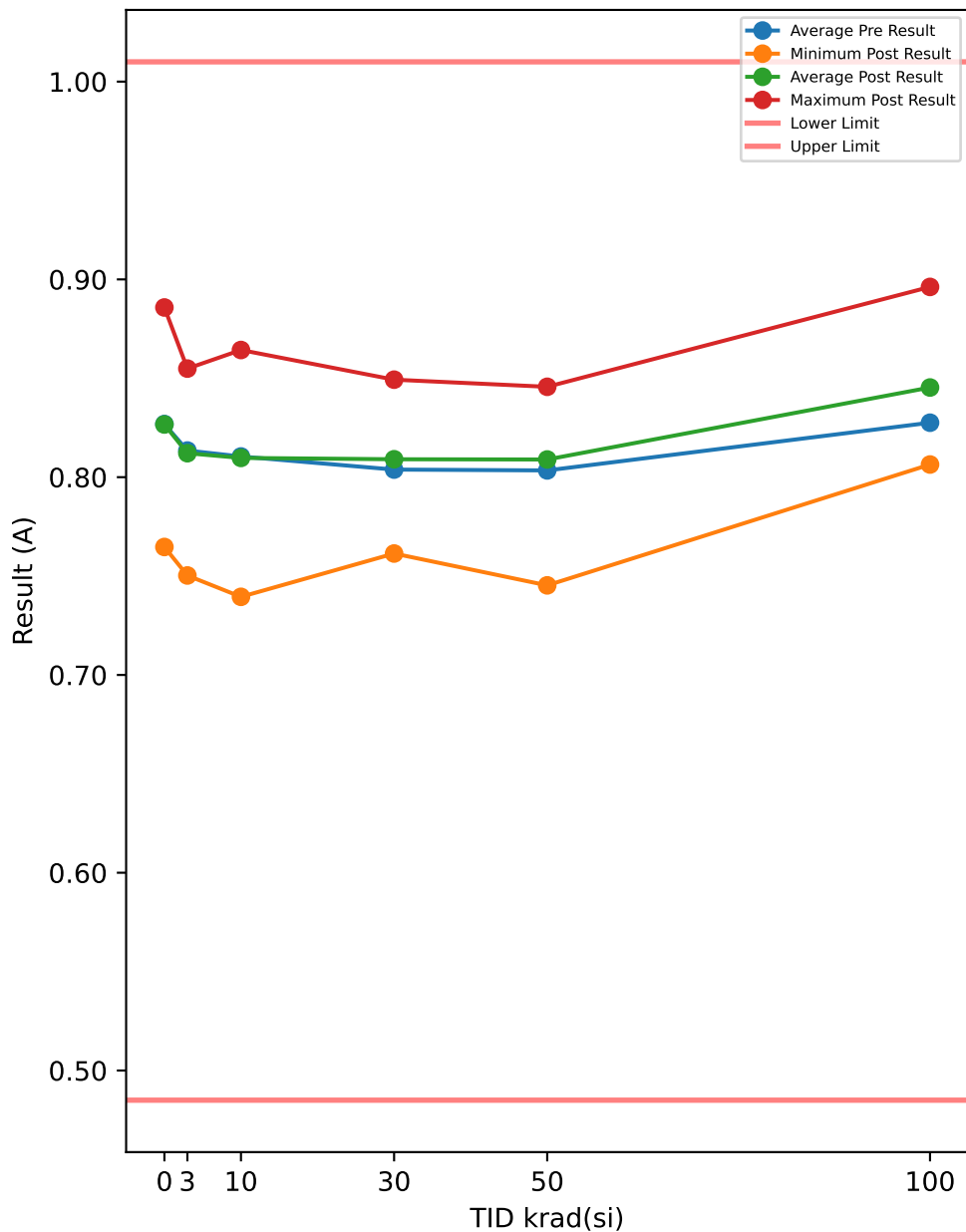
TID vs Post - Pre Exposure Delta



Test Statistics (A)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.3225	0.3506	0.3819	0.019773	0.3224	0.35053	0.382	0.019853	-0.0002	-7.1429e-05	0.0001	0.00013801
3	0.311	0.34207	0.3677	0.016458	0.3109	0.34145	0.3664	0.016078	-0.003	-0.00062	0.002	0.001255
10	0.31	0.34064	0.3698	0.01747	0.3069	0.34054	0.3685	0.018153	-0.0031	-0.0001	0.0046	0.0021156
30	0.3135	0.338	0.3583	0.013028	0.3173	0.34095	0.3615	0.013562	-0.0023	0.00295	0.0072	0.0030837
50	0.3088	0.33857	0.3576	0.018274	0.3074	0.34192	0.3604	0.018078	-0.0014	0.00335	0.0075	0.0035504
100	0.3274	0.35145	0.3921	0.018331	0.3409	0.36083	0.3925	0.01623	0.0004	0.00938	0.0175	0.0052535

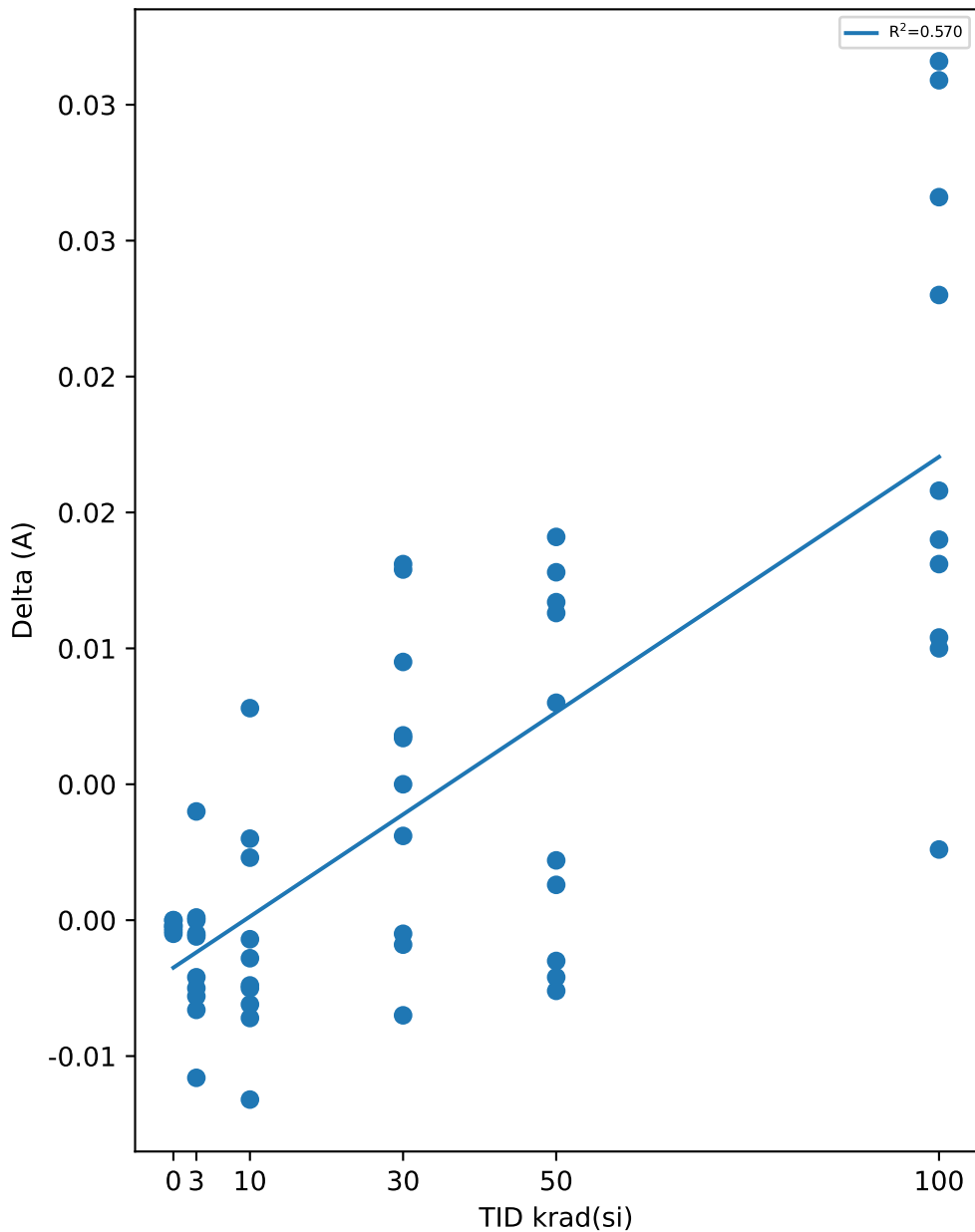
TID vs Result Stats



Test Results (Lower Limit = 0.485, Upper Limit = 1.01 (A))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.7509	0.7503	-0.0006
55	3	HDR unbiased	0.783	0.7831	0.0001
57	3	HDR unbiased	0.8183	0.8158	-0.0025
58	3	HDR unbiased	0.814	0.8135	-0.0005
59	3	HDR unbiased	0.8147	0.8119	-0.0028
82	10	HDR unbiased	0.7461	0.7395	-0.0066
83	10	HDR unbiased	0.834	0.837	0.003
84	10	HDR unbiased	0.7942	0.7928	-0.0014
85	10	HDR unbiased	0.8091	0.8169	0.0078
87	10	HDR unbiased	0.8398	0.8421	0.0023
94	30	HDR unbiased	0.782	0.7811	-0.0009
95	30	HDR unbiased	0.7546	0.7614	0.0068
97	30	HDR unbiased	0.7896	0.7861	-0.0035
98	30	HDR unbiased	0.8426	0.8493	0.0067
99	30	HDR unbiased	0.821	0.8205	-0.0005
105	50	HDR unbiased	0.8058	0.808	0.0022
107	50	HDR unbiased	0.7479	0.7453	-0.0026
108	50	HDR unbiased	0.8392	0.8377	-0.0015
109	50	HDR unbiased	0.8377	0.8457	0.008
110	50	HDR unbiased	0.8432	0.8411	-0.0021
121	100	HDR biased	0.8014	0.8154	0.014
123	100	HDR biased	0.7946	0.8255	0.0309
124	100	HDR biased	0.8332	0.849	0.0158
125	100	HDR biased	0.7798	0.8064	0.0266
126	100	HDR biased	0.8314	0.8445	0.0131
127	50	HDR biased	0.767	0.7787	0.0117
128	50	HDR biased	0.8337	0.835	0.0013
129	50	HDR biased	0.7935	0.8076	0.0141
130	50	HDR biased	0.7487	0.76	0.0113
132	50	HDR biased	0.8175	0.8303	0.0128
149	100	HDR unbiased	0.8195	0.8425	0.023
150	100	HDR unbiased	0.8529	0.8633	0.0104
151	100	HDR unbiased	0.8148	0.8248	0.01
152	100	HDR unbiased	0.8936	0.8962	0.0026
153	100	HDR unbiased	0.8542	0.8858	0.0316
164	30	HDR biased	0.7848	0.7943	0.0095
165	30	HDR biased	0.8068	0.8197	0.0129
166	30	HDR biased	0.8234	0.8284	0.005
168	30	HDR biased	0.8153	0.8284	0.0131
169	30	HDR biased	0.8183	0.8214	0.0031
170	10	HDR biased	0.7595	0.7588	-0.0007
171	10	HDR biased	0.8674	0.8643	-0.0031
172	10	HDR biased	0.8343	0.8318	-0.0025
173	10	HDR biased	0.8083	0.8059	-0.0024
174	10	HDR biased	0.8119	0.8083	-0.0036
175	3	HDR biased	0.8583	0.8525	-0.0058
176	3	HDR biased	0.8582	0.8549	-0.0033
178	3	HDR biased	0.8018	0.7997	-0.0021
179	3	HDR biased	0.8369	0.8409	0.004
180	3	HDR biased	0.7986	0.7986	0
187	0	correlation	0.7649	0.7647	-0.0002
188	0	correlation	0.7937	0.7932	-0.0005
189	0	correlation	0.8105	0.8105	0
190	0	correlation	0.8624	0.8622	-0.0002
191	0	correlation	0.8406	0.8402	-0.0004
192	0	correlation	0.8302	0.8299	-0.0003
193	0	correlation	0.8858	0.8858	0

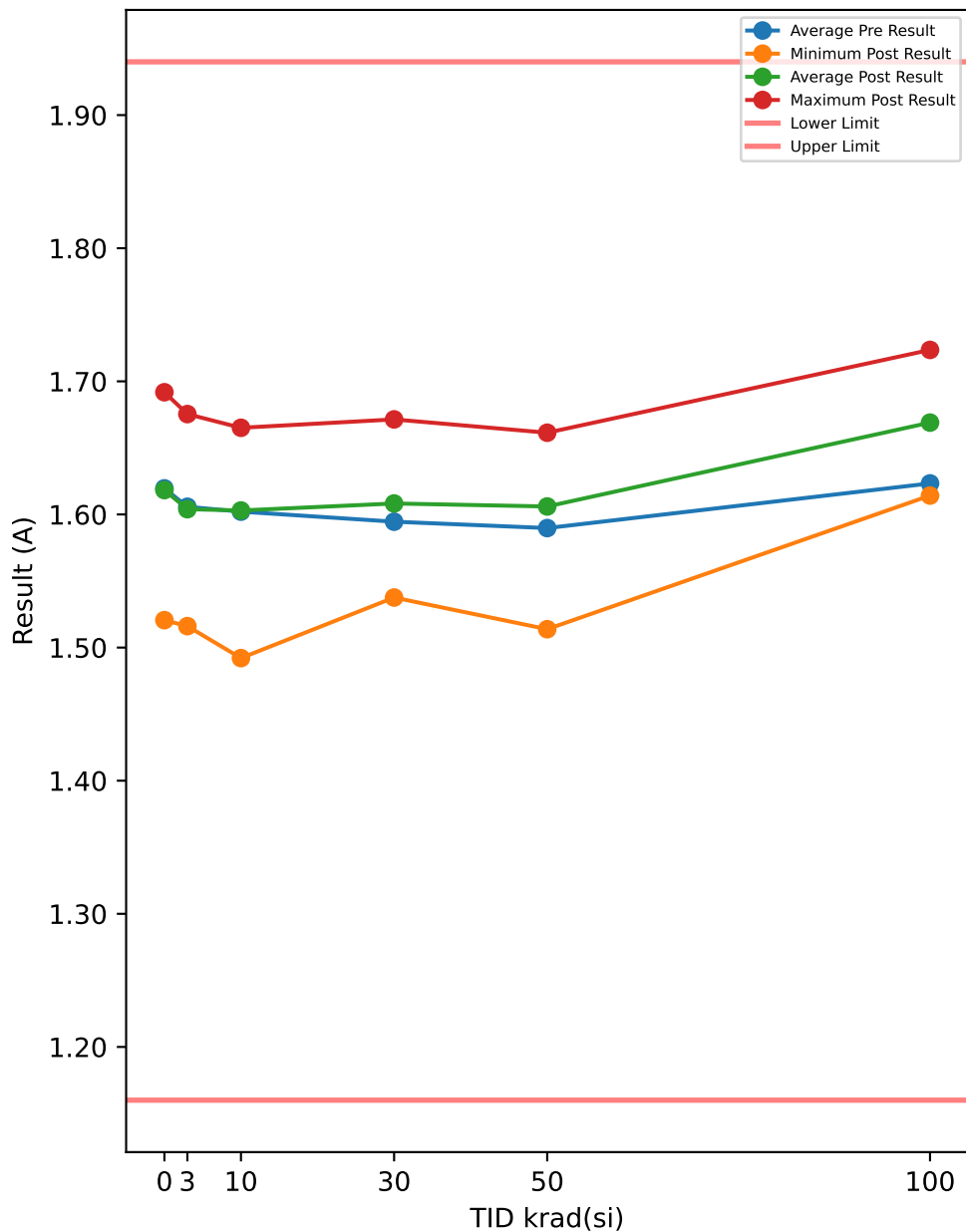
TID vs Post - Pre Exposure Delta



Test Statistics (A)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.7649	0.82687	0.8858	0.041116	0.7647	0.82664	0.8858	0.041179	-0.0005	-0.00022857	0	0.00018898
3	0.7509	0.81347	0.8583	0.032974	0.7503	0.81212	0.8549	0.032155	-0.0058	-0.00135	0.004	0.0026125
10	0.7461	0.81046	0.8674	0.036875	0.7395	0.80974	0.8643	0.038206	-0.0066	-0.00072	0.0078	0.0040898
30	0.7546	0.80384	0.8426	0.02581	0.7614	0.80906	0.8493	0.027002	-0.0035	0.00522	0.0131	0.0057236
50	0.7479	0.80342	0.8432	0.037506	0.7453	0.80894	0.8457	0.036072	-0.0026	0.00552	0.0141	0.0067204
100	0.7798	0.82754	0.8936	0.033399	0.8064	0.84534	0.8962	0.029433	0.0026	0.0178	0.0316	0.0097394

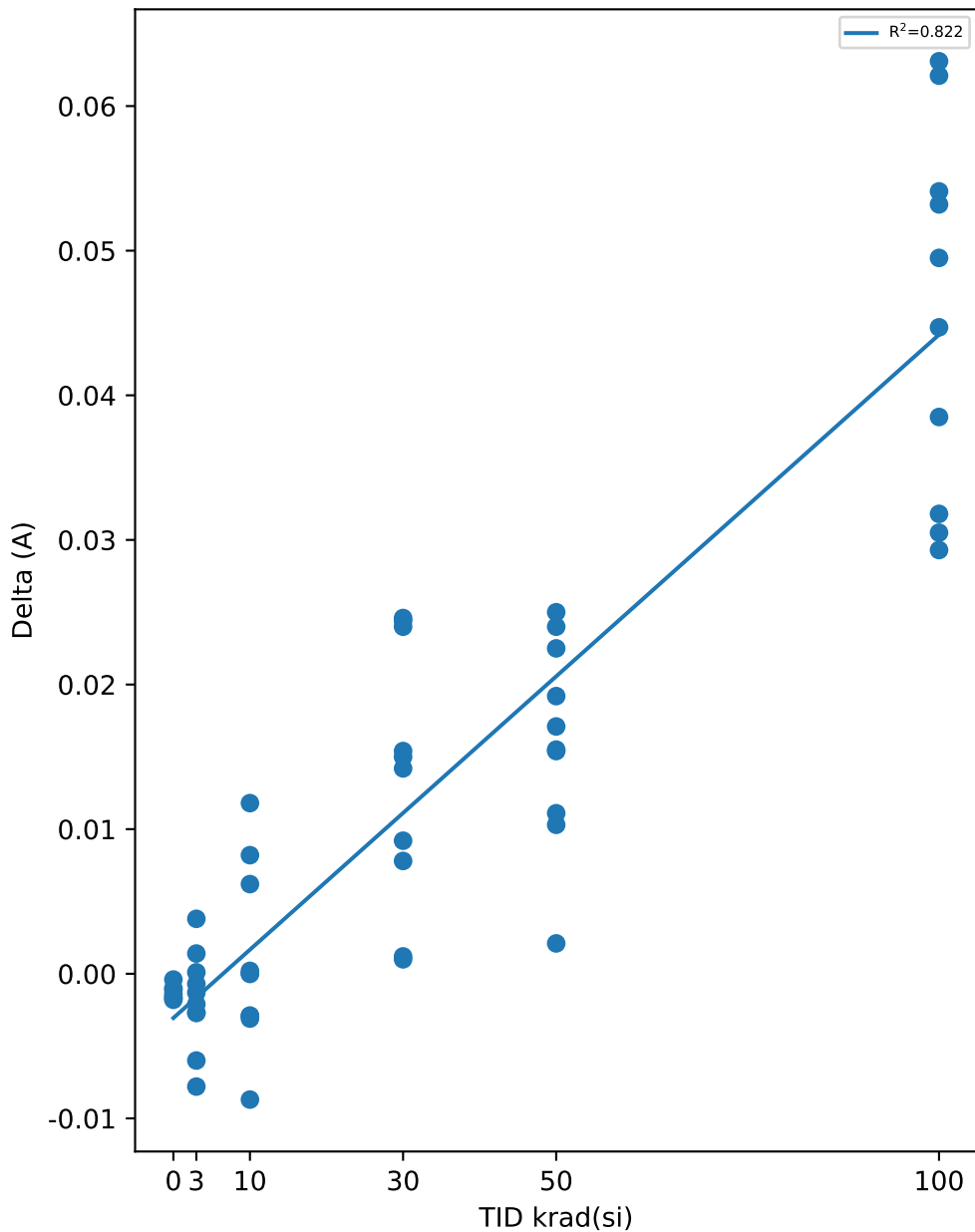
TID vs Result Stats



Test Results (Lower Limit = 1.16, Upper Limit = 1.94 (A))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	1.5168	1.5161	-0.0007
55	3	HDR unbiased	1.5684	1.5698	0.0014
57	3	HDR unbiased	1.5935	1.5914	-0.0021
58	3	HDR unbiased	1.5998	1.5999	0.0001
59	3	HDR unbiased	1.6156	1.6129	-0.0027
82	10	HDR unbiased	1.5008	1.4921	-0.0087
83	10	HDR unbiased	1.6489	1.6571	0.0082
84	10	HDR unbiased	1.5847	1.5847	0
85	10	HDR unbiased	1.6059	1.6177	0.0118
87	10	HDR unbiased	1.6515	1.6577	0.0062
94	30	HDR unbiased	1.5666	1.5676	0.001
95	30	HDR unbiased	1.5226	1.5376	0.015
97	30	HDR unbiased	1.5782	1.5794	0.0012
98	30	HDR unbiased	1.647	1.6714	0.0244
99	30	HDR unbiased	1.616	1.6238	0.0078
105	50	HDR unbiased	1.5984	1.6095	0.0111
107	50	HDR unbiased	1.5117	1.5138	0.0021
108	50	HDR unbiased	1.6377	1.6532	0.0155
109	50	HDR unbiased	1.6383	1.6554	0.0171
110	50	HDR unbiased	1.6511	1.6614	0.0103
121	100	HDR biased	1.591	1.6295	0.0385
123	100	HDR biased	1.564	1.6271	0.0631
124	100	HDR biased	1.6385	1.688	0.0495
125	100	HDR biased	1.561	1.6142	0.0532
126	100	HDR biased	1.6153	1.66	0.0447
127	50	HDR biased	1.5334	1.5584	0.025
128	50	HDR biased	1.6353	1.6507	0.0154
129	50	HDR biased	1.5712	1.5952	0.024
130	50	HDR biased	1.5182	1.5374	0.0192
132	50	HDR biased	1.6024	1.6249	0.0225
149	100	HDR unbiased	1.6211	1.6752	0.0541
150	100	HDR unbiased	1.6721	1.7039	0.0318
151	100	HDR unbiased	1.6162	1.6467	0.0305
152	100	HDR unbiased	1.6924	1.7217	0.0293
153	100	HDR unbiased	1.6615	1.7236	0.0621
164	30	HDR biased	1.5684	1.5838	0.0154
165	30	HDR biased	1.5966	1.6206	0.024
166	30	HDR biased	1.6309	1.6451	0.0142
168	30	HDR biased	1.5973	1.6219	0.0246
169	30	HDR biased	1.622	1.6312	0.0092
170	10	HDR biased	1.5224	1.5193	-0.0031
171	10	HDR biased	1.668	1.6651	-0.0029
172	10	HDR biased	1.6465	1.6465	0
173	10	HDR biased	1.598	1.5982	0.0002
174	10	HDR biased	1.5943	1.5914	-0.0029
175	3	HDR biased	1.6814	1.6754	-0.006
176	3	HDR biased	1.6566	1.6488	-0.0078
178	3	HDR biased	1.5847	1.582	-0.0027
179	3	HDR biased	1.644	1.6478	0.0038
180	3	HDR biased	1.5968	1.5955	-0.0013
187	0	correlation	1.5216	1.5206	-0.001
188	0	correlation	1.5723	1.5706	-0.0017
189	0	correlation	1.5809	1.5791	-0.0018
190	0	correlation	1.6682	1.6666	-0.0016
191	0	correlation	1.6584	1.657	-0.0014
192	0	correlation	1.6435	1.6424	-0.0011
193	0	correlation	1.6922	1.6918	-0.0004

TID vs Post - Pre Exposure Delta

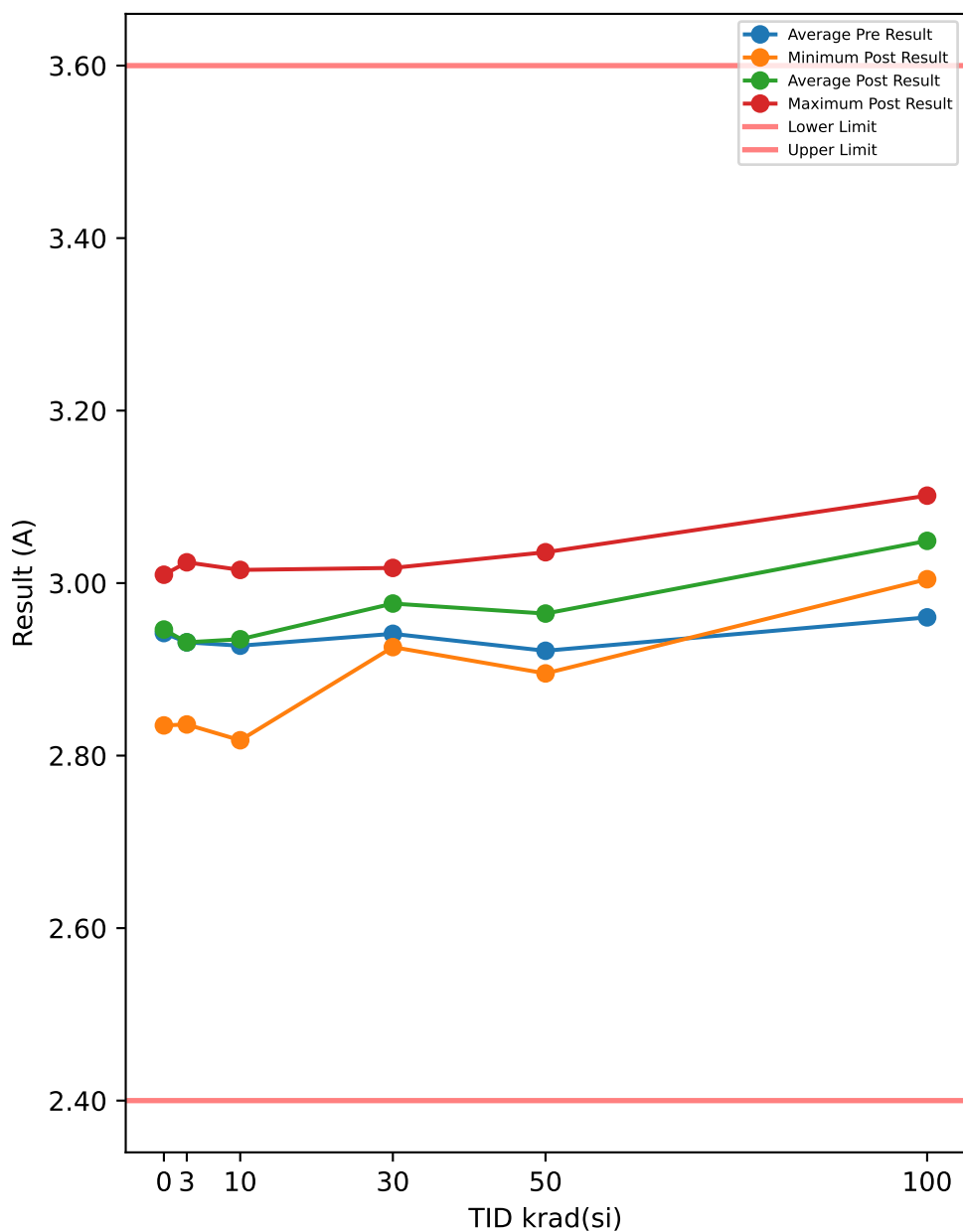


Test Statistics (A)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.5216	1.6196	1.6922	0.061979	1.5206	1.6183	1.6918	0.062143	-0.0018	-0.0012857	-0.0004	0.00049135
3	1.5168	1.6058	1.6814	0.047004	1.5161	1.604	1.6754	0.04562	-0.0078	-0.0018	0.0038	0.0033668
10	1.5008	1.6021	1.668	0.055731	1.4921	1.603	1.6651	0.05933	-0.0087	0.00088	0.0118	0.0061404
30	1.5226	1.5946	1.647	0.036828	1.5376	1.6082	1.6714	0.040176	0.001	0.01368	0.0246	0.0089245
50	1.5117	1.5898	1.6511	0.053188	1.5138	1.606	1.6614	0.053431	0.0021	0.01622	0.025	0.0070596
100	1.561	1.6233	1.6924	0.043978	1.6142	1.669	1.7236	0.039823	0.0293	0.04568	0.0631	0.012732

Device Test: 16.4 I_LIM_MAX(THRESHOLD|CL_MAX/CL/3.3/////@I_LIM_MAX)

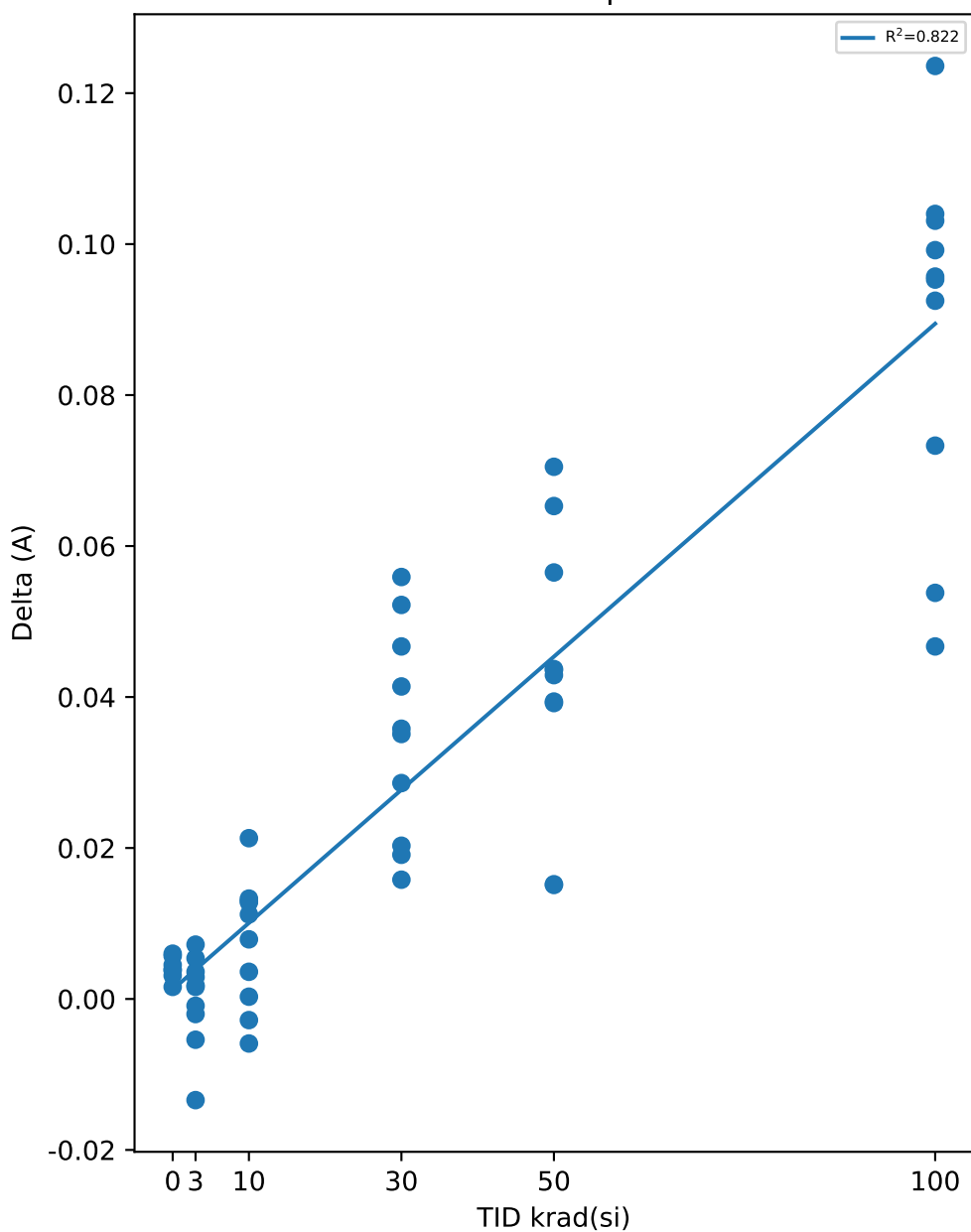
TID vs Result Stats



Test Results (Lower Limit = 2.4, Upper Limit = 3.6 (A))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	2.8415	2.8361	-0.0054
55	3	HDR unbiased	2.9142	2.9196	0.0054
57	3	HDR unbiased	2.8987	2.8978	-0.0009
58	3	HDR unbiased	2.9162	2.918	0.0018
59	3	HDR unbiased	2.9707	2.9687	-0.002
82	10	HDR unbiased	2.8175	2.8178	0.0003
83	10	HDR unbiased	2.9786	2.9919	0.0133
84	10	HDR unbiased	2.9092	2.9128	0.0036
85	10	HDR unbiased	2.9481	2.9694	0.0213
87	10	HDR unbiased	3.0023	3.0153	0.013
94	30	HDR unbiased	2.9789	2.9992	0.0203
95	30	HDR unbiased	2.8844	2.9258	0.0414
97	30	HDR unbiased	2.9653	2.9844	0.0191
98	30	HDR unbiased	2.9654	3.0176	0.0522
99	30	HDR unbiased	2.9414	2.97	0.0286
105	50	HDR unbiased	2.9372	2.9524	0.0152
107	50	HDR unbiased	2.8516	2.8953	0.0437
108	50	HDR unbiased	2.9509	2.9903	0.0394
109	50	HDR unbiased	2.9461	2.9612	0.0151
110	50	HDR unbiased	2.9929	3.0358	0.0429
121	100	HDR biased	2.9531	3.0488	0.0957
123	100	HDR biased	2.8851	3.0087	0.1236
124	100	HDR biased	2.9712	3.0752	0.104
125	100	HDR biased	2.9099	3.013	0.1031
126	100	HDR biased	2.9092	3.0045	0.0953
127	50	HDR biased	2.8693	2.9398	0.0705
128	50	HDR biased	2.9591	3.0156	0.0565
129	50	HDR biased	2.9021	2.9674	0.0653
130	50	HDR biased	2.8852	2.9244	0.0392
132	50	HDR biased	2.921	2.9646	0.0436
149	100	HDR unbiased	2.9397	3.0389	0.0992
150	100	HDR unbiased	3.0186	3.0724	0.0538
151	100	HDR unbiased	2.9934	3.0401	0.0467
152	100	HDR unbiased	3.0136	3.0869	0.0733
153	100	HDR unbiased	3.0089	3.1014	0.0925
164	30	HDR biased	2.9338	2.9897	0.0559
165	30	HDR biased	2.9161	2.9519	0.0358
166	30	HDR biased	2.9656	3.0007	0.0351
168	30	HDR biased	2.8994	2.9461	0.0467
169	30	HDR biased	2.9618	2.9776	0.0158
170	10	HDR biased	2.8876	2.8817	-0.0059
171	10	HDR biased	2.9729	2.9701	-0.0028
172	10	HDR biased	2.9418	2.953	0.0112
173	10	HDR biased	2.9086	2.9214	0.0128
174	10	HDR biased	2.9077	2.9156	0.0079
175	3	HDR biased	3.0225	3.0241	0.0016
176	3	HDR biased	2.9525	2.9391	-0.0134
178	3	HDR biased	2.9012	2.9048	0.0036
179	3	HDR biased	2.9893	2.9922	0.0029
180	3	HDR biased	2.9064	2.9136	0.0072
187	0	correlation	2.8293	2.835	0.0057
188	0	correlation	2.8804	2.8843	0.0039
189	0	correlation	2.9024	2.904	0.0016
190	0	correlation	2.9941	2.9986	0.0045
191	0	correlation	3.0041	3.0079	0.0038
192	0	correlation	2.9806	2.9837	0.0031
193	0	correlation	3.0037	3.0097	0.006

TID vs Post - Pre Exposure Delta

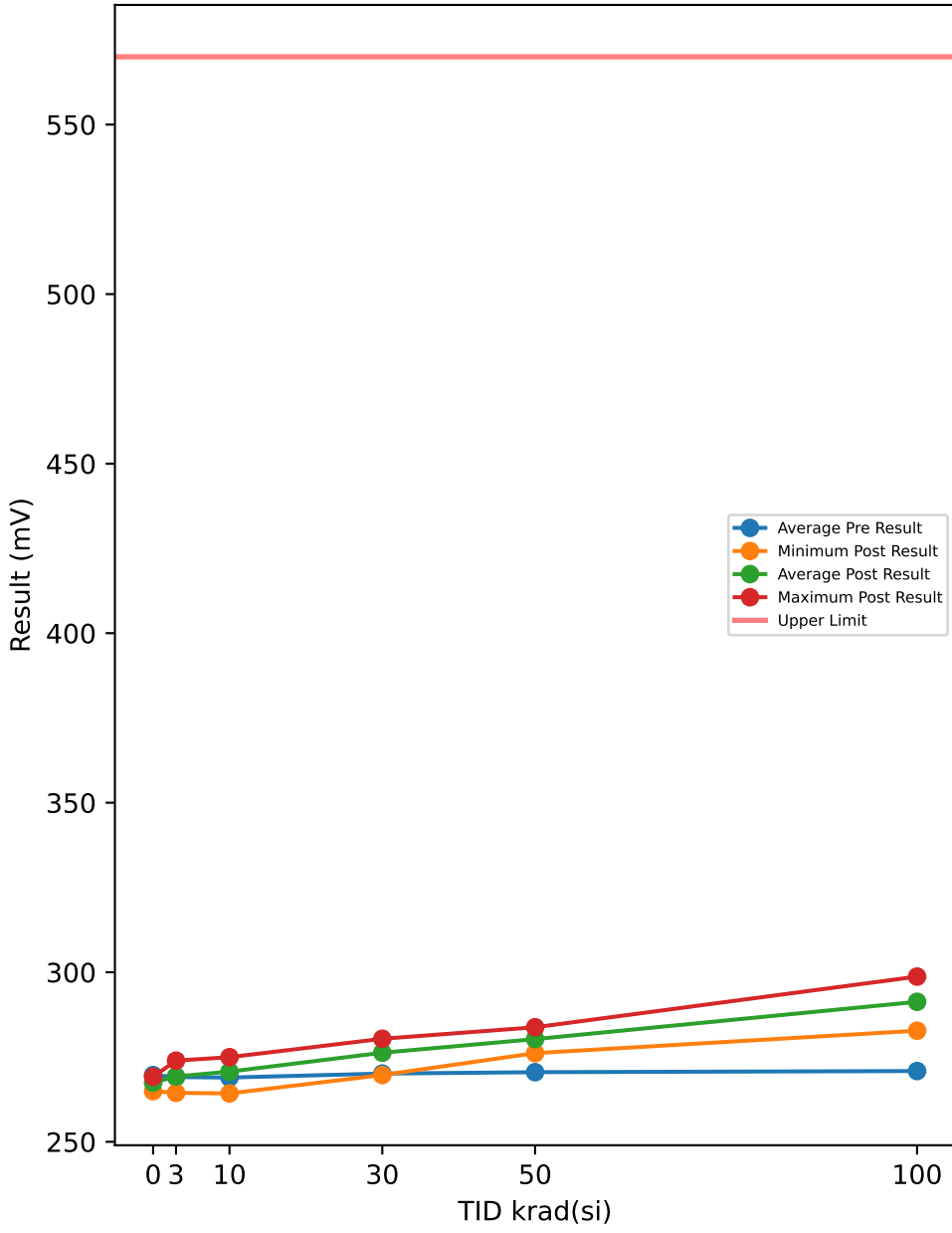


Test Statistics (A)

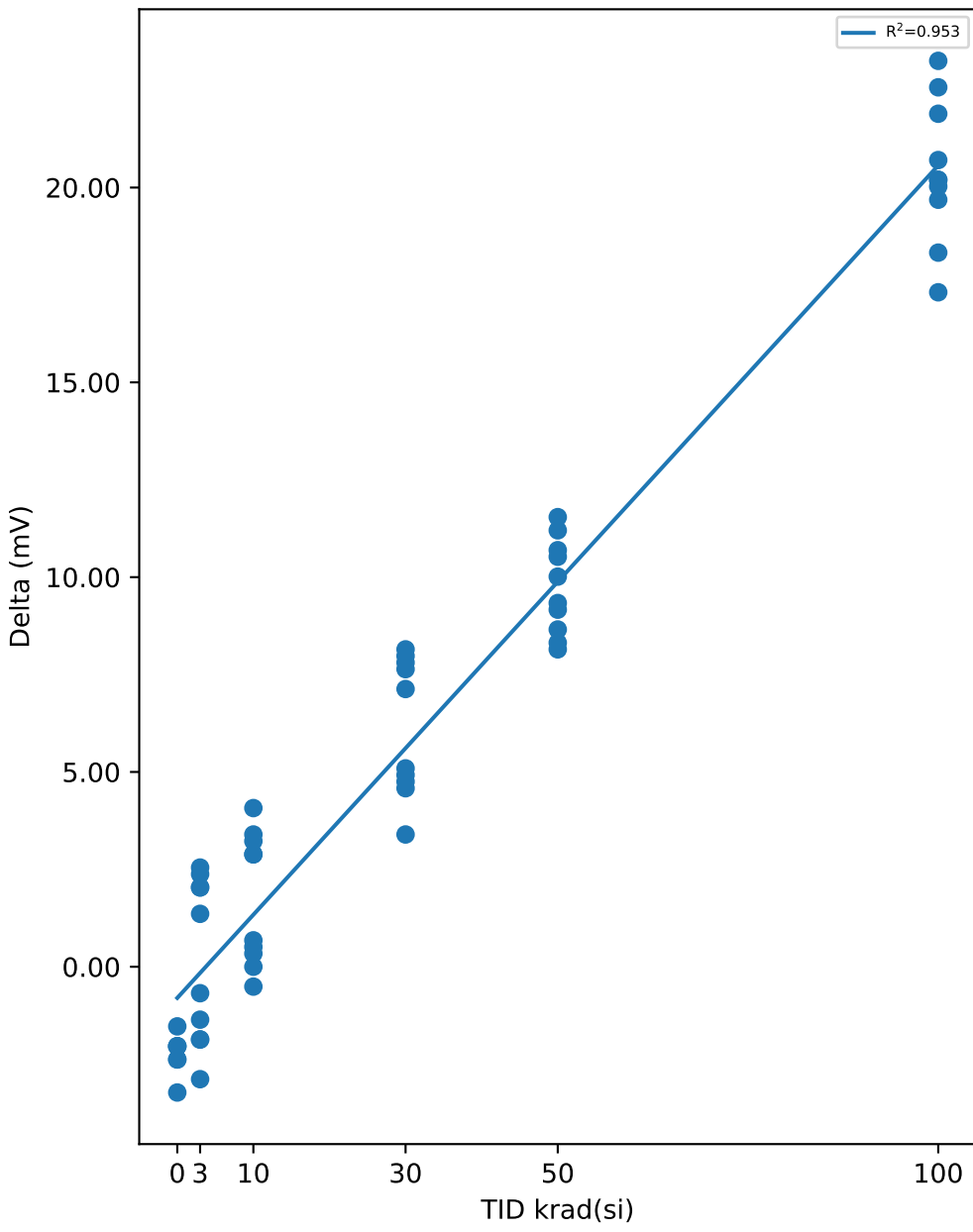
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.8293	2.9421	3.0041	0.07063	2.835	2.9462	3.0097	0.070674	0.0016	0.0040857	0.006	0.0015115
3	2.8415	2.9313	3.0225	0.052553	2.8361	2.9314	3.0241	0.053014	-0.0134	8e-05	0.0072	0.0059781
10	2.8175	2.9274	3.0023	0.053409	2.8178	2.9349	3.0153	0.057789	-0.0059	0.00747	0.0213	0.0084916
30	2.8844	2.9412	2.9789	0.032086	2.9258	2.9763	3.0176	0.028225	0.0158	0.03509	0.0559	0.014101
50	2.8516	2.9215	2.9929	0.044137	2.8953	2.9647	3.0358	0.041543	0.0151	0.04314	0.0705	0.018303
100	2.8851	2.9603	3.0186	0.048418	3.0045	3.049	3.1014	0.034153	0.0467	0.08872	0.1236	0.023795

Device Test: 17.12 VDO_1A_LV(VIN|DROPOUT/OUT//2.25//1000//@VDO_1A_LV)

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Upper Limit = 570.0 (mV))

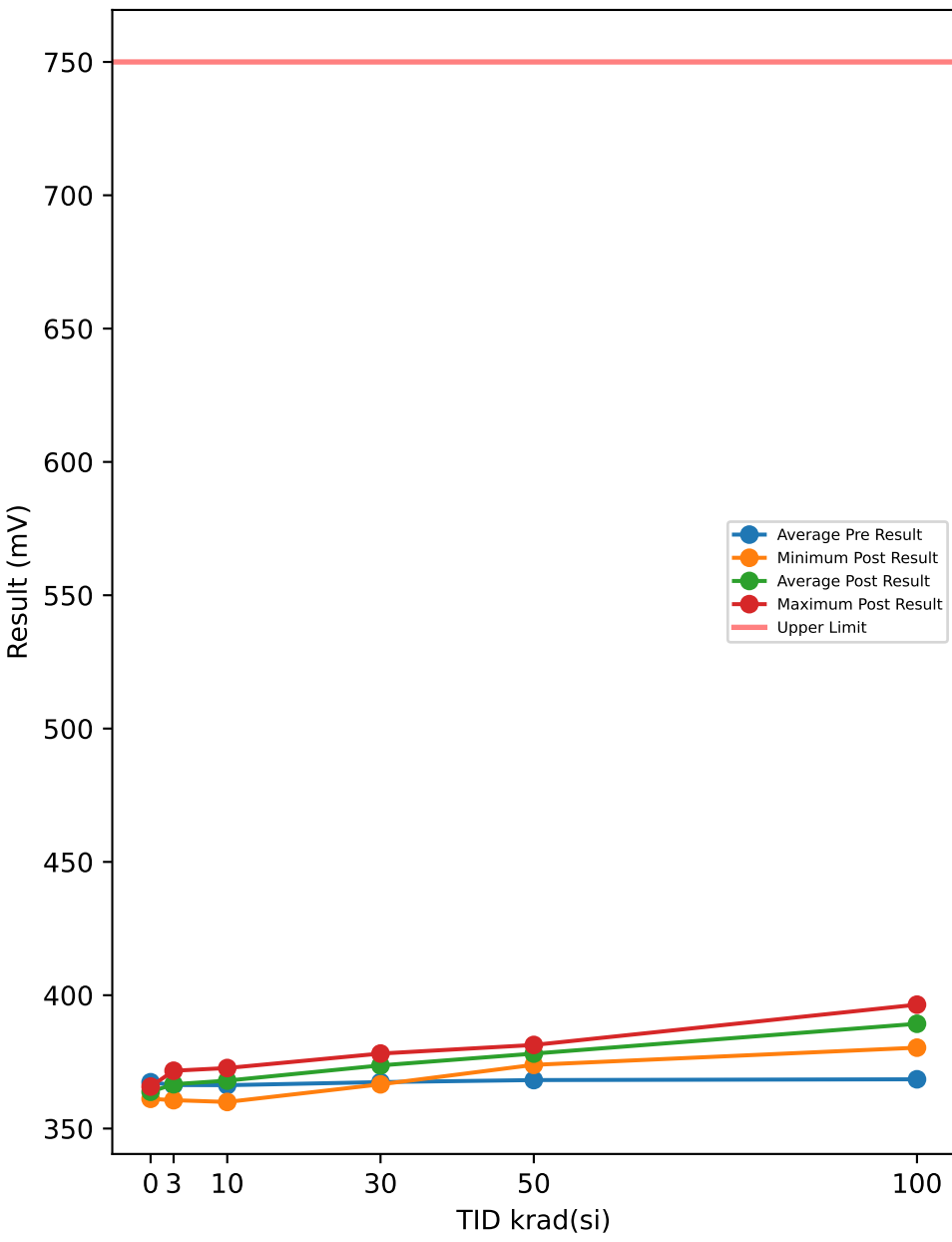
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	270.03	272.58	2.5463
55	3	HDR unbiased	271.9	273.94	2.0366
57	3	HDR unbiased	269.7	271.73	2.0373
58	3	HDR unbiased	269.69	272.07	2.3766
59	3	HDR unbiased	268.51	269.86	1.3583
82	10	HDR unbiased	270.71	273.6	2.8856
83	10	HDR unbiased	268.17	271.39	3.2248
84	10	HDR unbiased	269.69	273.09	3.395
85	10	HDR unbiased	269.52	273.6	4.0729
87	10	HDR unbiased	272.07	274.96	2.8856
94	30	HDR unbiased	264.44	272.41	7.9767
95	30	HDR unbiased	265.96	273.6	7.6387
97	30	HDR unbiased	269.36	277.16	7.8075
98	30	HDR unbiased	270.88	279.03	8.1467
99	30	HDR unbiased	272.58	279.71	7.1287
105	50	HDR unbiased	271.22	281.24	10.014
107	50	HDR unbiased	264.61	276.15	11.541
108	50	HDR unbiased	267.83	279.03	11.202
109	50	HDR unbiased	270.55	281.07	10.524
110	50	HDR unbiased	271.9	282.6	10.693
121	100	HDR biased	272.92	293.11	20.198
123	100	HDR biased	265.45	282.76	17.312
124	100	HDR biased	272.24	292.27	20.028
125	100	HDR biased	271.39	291.59	20.198
126	100	HDR biased	271.56	289.89	18.33
127	50	HDR biased	272.92	281.57	8.6565
128	50	HDR biased	272.41	281.57	9.1653
129	50	HDR biased	274.44	283.78	9.3356
130	50	HDR biased	268	276.14	8.147
132	50	HDR biased	271.39	279.71	8.317
149	100	HDR unbiased	275.47	298.72	23.252
150	100	HDR unbiased	265.11	285.82	20.706
151	100	HDR unbiased	271.9	294.48	22.573
152	100	HDR unbiased	270.71	292.61	21.894
153	100	HDR unbiased	271.9	291.59	19.688
164	30	HDR biased	266.3	269.69	3.395
165	30	HDR biased	275.46	280.38	4.9219
166	30	HDR biased	272.58	277.16	4.5819
168	30	HDR biased	271.9	276.65	4.752
169	30	HDR biased	271.73	276.82	5.0917
170	10	HDR biased	267.15	267.83	0.6783
171	10	HDR biased	268.84	269.35	0.5086
172	10	HDR biased	264.77	264.26	-0.5095
173	10	HDR biased	270.54	270.88	0.3388
174	10	HDR biased	267.99	267.99	0.0003
175	3	HDR biased	267.82	265.96	-1.8668
176	3	HDR biased	271.9	270.03	-1.8671
178	3	HDR biased	269.18	266.3	-2.8856
179	3	HDR biased	265.79	264.43	-1.358
180	3	HDR biased	266.47	265.79	-0.6788
187	0	correlation	270.71	267.49	-3.2277
188	0	correlation	270.03	267.99	-2.0397
189	0	correlation	267.66	265.28	-2.379
190	0	correlation	271.39	269.01	-2.3792
191	0	correlation	266.98	264.94	-2.0396
192	0	correlation	269.7	268.17	-1.5305
193	0	correlation	271.22	269.18	-2.0392

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	266.98	269.67	271.39	1.7261	264.94	267.44	269.18	1.6961	-3.2277	-2.2336	-1.5305	0.52249
3	265.79	269.1	271.9	2.0313	264.43	269.27	273.94	3.3816	-2.8856	0.16988	2.5463	2.0973
10	264.77	268.95	272.07	2.0682	264.26	270.7	274.96	3.3329	-0.5095	1.748	4.0729	1.69
30	264.44	270.12	275.46	3.5244	269.69	276.26	280.38	3.3942	3.395	6.1441	8.1467	1.7599
50	264.61	270.53	274.44	2.9146	276.14	280.29	283.78	2.5512	8.147	9.7594	11.541	1.2111
100	265.11	270.87	275.47	3.2072	282.76	291.28	298.72	4.4237	17.312	20.418	23.252	1.8175

Device Test: 17.15 VDO_1P5A_LV(VIN|DROPOUT/OUT//2.5//1500//@VDO_1P5A_LV)

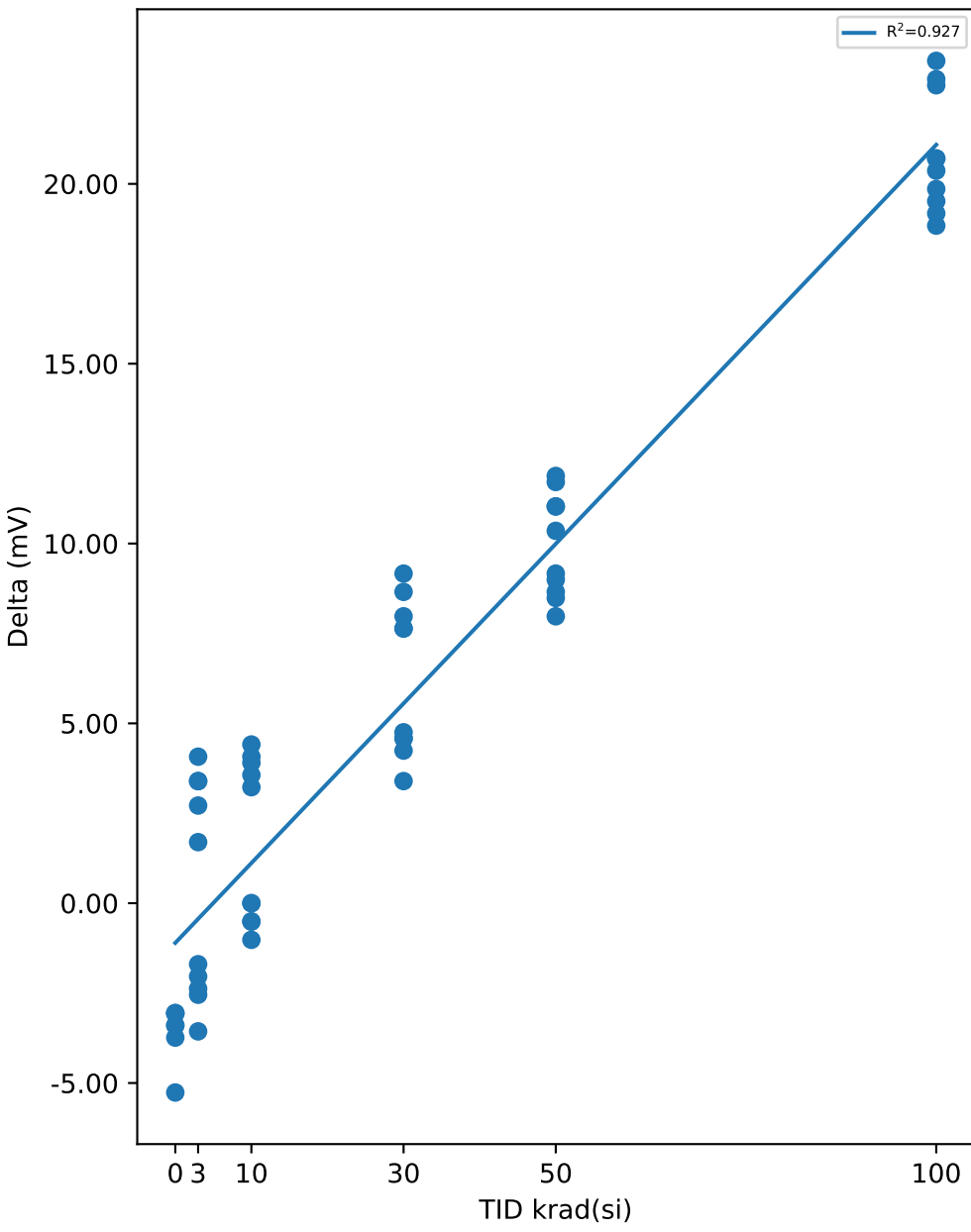
TID vs Result Stats



Test Results (Upper Limit = 750.0 (mV))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	366.93	370.32	3.3946
55	3	HDR unbiased	368.96	371.68	2.7152
57	3	HDR unbiased	366.76	370.83	4.0731
58	3	HDR unbiased	366.25	369.64	3.3949
59	3	HDR unbiased	365.4	367.09	1.6976
82	10	HDR unbiased	368.45	371.68	3.2248
83	10	HDR unbiased	365.74	369.64	3.9034
84	10	HDR unbiased	367.09	371.17	4.0739
85	10	HDR unbiased	366.92	371.34	4.4124
87	10	HDR unbiased	369.13	372.7	3.5641
94	30	HDR unbiased	360.31	369.47	9.1643
95	30	HDR unbiased	362.68	371.34	8.6558
97	30	HDR unbiased	366.25	374.22	7.9765
98	30	HDR unbiased	369.64	377.28	7.6375
99	30	HDR unbiased	370.49	378.13	7.637
105	50	HDR unbiased	368.28	379.32	11.032
107	50	HDR unbiased	362.01	373.89	11.88
108	50	HDR unbiased	365.23	376.94	11.71
109	50	HDR unbiased	368.29	378.64	10.353
110	50	HDR unbiased	369.81	380.84	11.031
121	100	HDR biased	370.66	391.36	20.706
123	100	HDR biased	361.49	380.33	18.839
124	100	HDR biased	370.83	390.69	19.858
125	100	HDR biased	369.64	389.15	19.518
126	100	HDR biased	369.3	388.48	19.179
127	50	HDR biased	371.5	379.48	7.9766
128	50	HDR biased	369.98	379.14	9.165
129	50	HDR biased	372.69	381.35	8.656
130	50	HDR biased	365.23	374.22	8.9953
132	50	HDR biased	368.79	377.27	8.4862
149	100	HDR unbiased	373.55	396.46	22.912
150	100	HDR unbiased	362.18	382.88	20.705
151	100	HDR unbiased	369.3	392.72	23.421
152	100	HDR unbiased	367.77	390.52	22.742
153	100	HDR unbiased	369.98	390.34	20.367
164	30	HDR biased	363.19	366.58	3.3948
165	30	HDR biased	373.37	378.12	4.7521
166	30	HDR biased	370.15	374.73	4.5812
168	30	HDR biased	368.79	373.03	4.2429
169	30	HDR biased	369.3	373.88	4.5821
170	10	HDR biased	364.72	364.21	-0.5088
171	10	HDR biased	366.75	366.75	0.0002
172	10	HDR biased	360.98	359.97	-1.0186
173	10	HDR biased	367.77	367.77	-0.001
174	10	HDR biased	365.05	364.54	-0.51
175	3	HDR biased	365.39	362.85	-2.5461
176	3	HDR biased	369.3	367.26	-2.0373
178	3	HDR biased	367.09	363.53	-3.5641
179	3	HDR biased	363.02	360.64	-2.3763
180	3	HDR biased	364.04	362.34	-1.697
187	0	correlation	368.96	363.7	-5.264
188	0	correlation	367.94	364.88	-3.0584
189	0	correlation	365.23	361.49	-3.7372
190	0	correlation	368.79	365.73	-3.0589
191	0	correlation	364.21	361.15	-3.0585
192	0	correlation	367.6	364.21	-3.397
193	0	correlation	368.79	365.39	-3.3972

TID vs Post - Pre Exposure Delta

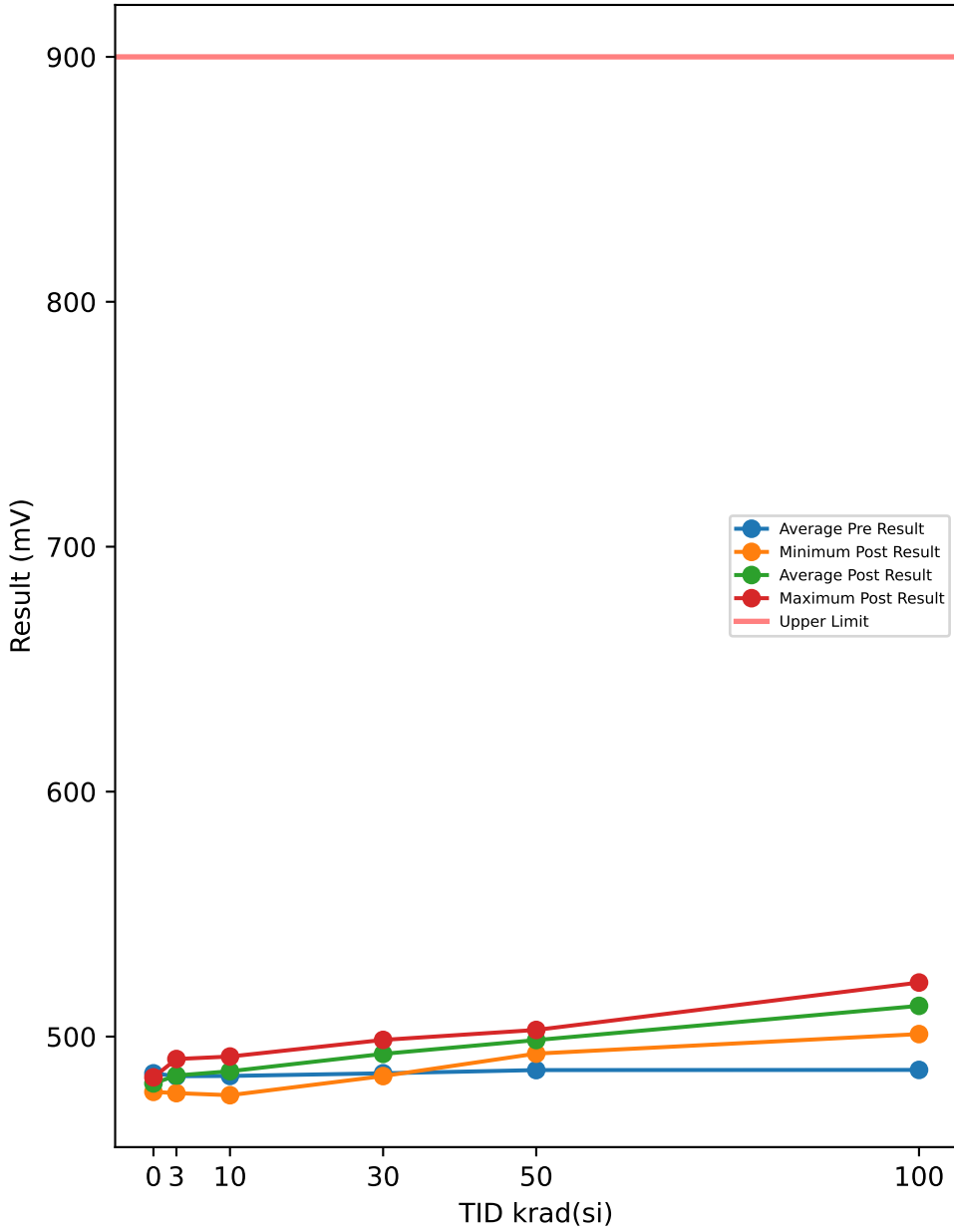


Test Statistics (mV)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	364.21	367.36	368.96	1.894	361.15	363.79	365.73	1.8245	-5.264	-3.5673	-3.0584	0.78972
3	363.02	366.31	369.3	1.9672	360.64	366.62	371.68	4.0078	-3.5641	0.30546	4.0731	2.9967
10	360.98	366.26	369.13	2.3251	359.97	367.98	372.7	4.1085	-1.0186	1.714	4.4124	2.275
30	360.31	367.42	373.37	4.1492	366.58	373.68	378.13	3.7694	3.3948	6.2624	9.1643	2.137
50	362.01	368.18	372.69	3.2188	373.89	378.11	381.35	2.5313	7.9766	9.9286	11.88	1.436
100	361.49	368.47	373.55	3.7988	380.33	389.29	396.46	4.6429	18.839	20.825	23.421	1.6433

Device Test: 17.18 VDO_2A_LV(VIN|DROPOUT/OUT//2.5//2000//@VDO_2A_LV)

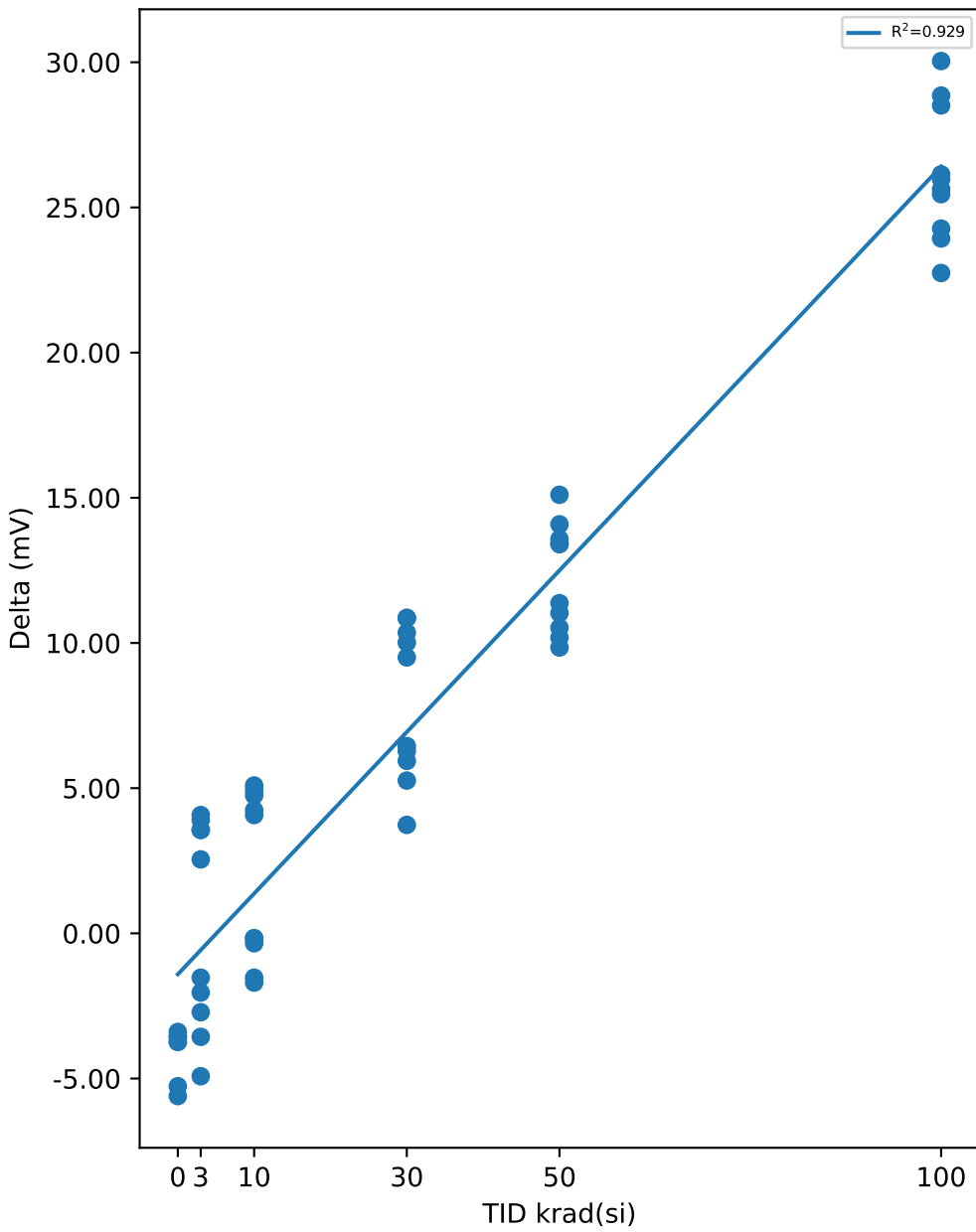
TID vs Result Stats



Test Results (Upper Limit = 900.0 (mV))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	485.06	488.96	3.9034
55	3	HDR unbiased	487.27	490.83	3.5636
57	3	HDR unbiased	484.55	488.63	4.0729
58	3	HDR unbiased	484.38	487.95	3.5634
59	3	HDR unbiased	482.51	485.06	2.5459
82	10	HDR unbiased	486.59	490.66	4.0739
83	10	HDR unbiased	483.2	487.95	4.7526
84	10	HDR unbiased	484.55	489.47	4.9224
85	10	HDR unbiased	484.72	489.81	5.091
87	10	HDR unbiased	487.61	491.85	4.2427
94	30	HDR unbiased	476.92	487.78	10.861
95	30	HDR unbiased	479.12	489.98	10.862
97	30	HDR unbiased	483.36	493.38	10.014
98	30	HDR unbiased	487.61	497.96	10.353
99	30	HDR unbiased	489.13	498.64	9.5036
105	50	HDR unbiased	486.59	500	13.408
107	50	HDR unbiased	477.94	493.04	15.104
108	50	HDR unbiased	483.19	496.77	13.578
109	50	HDR unbiased	485.57	499.66	14.087
110	50	HDR unbiased	488.46	501.87	13.408
121	100	HDR biased	488.79	514.93	26.138
123	100	HDR biased	478.27	501.02	22.743
124	100	HDR biased	488.79	514.76	25.968
125	100	HDR biased	488.45	512.38	23.931
126	100	HDR biased	486.75	511.02	24.271
127	50	HDR biased	490.15	500.33	10.184
128	50	HDR biased	488.29	499.66	11.371
129	50	HDR biased	491.68	502.71	11.032
130	50	HDR biased	482.85	493.38	10.523
132	50	HDR biased	488.45	498.3	9.8453
149	100	HDR unbiased	492.02	522.06	30.042
150	100	HDR unbiased	478.61	504.07	25.458
151	100	HDR unbiased	487.61	516.46	28.853
152	100	HDR unbiased	486.25	514.76	28.513
153	100	HDR unbiased	488.28	513.91	25.628
164	30	HDR biased	480.14	483.87	3.7346
165	30	HDR biased	492.02	498.3	6.2795
166	30	HDR biased	488.11	494.56	6.4485
168	30	HDR biased	486.59	491.85	5.2617
169	30	HDR biased	487.1	493.04	5.9402
170	10	HDR biased	482	481.66	-0.3402
171	10	HDR biased	484.55	484.38	-0.1696
172	10	HDR biased	477.59	476.06	-1.5282
173	10	HDR biased	485.57	485.4	-0.171
174	10	HDR biased	482.85	481.15	-1.6964
175	3	HDR biased	482.68	479.12	-3.5641
176	3	HDR biased	487.61	484.89	-2.7165
178	3	HDR biased	484.89	479.97	-4.9212
179	3	HDR biased	478.95	476.91	-2.0375
180	3	HDR biased	480.31	478.78	-1.5276
187	0	correlation	486.59	480.99	-5.6033
188	0	correlation	485.91	482.17	-3.7381
189	0	correlation	482.69	477.42	-5.266
190	0	correlation	487.1	483.36	-3.7372
191	0	correlation	480.99	477.42	-3.5674
192	0	correlation	485.23	481.83	-3.397
193	0	correlation	486.42	482.85	-3.5665

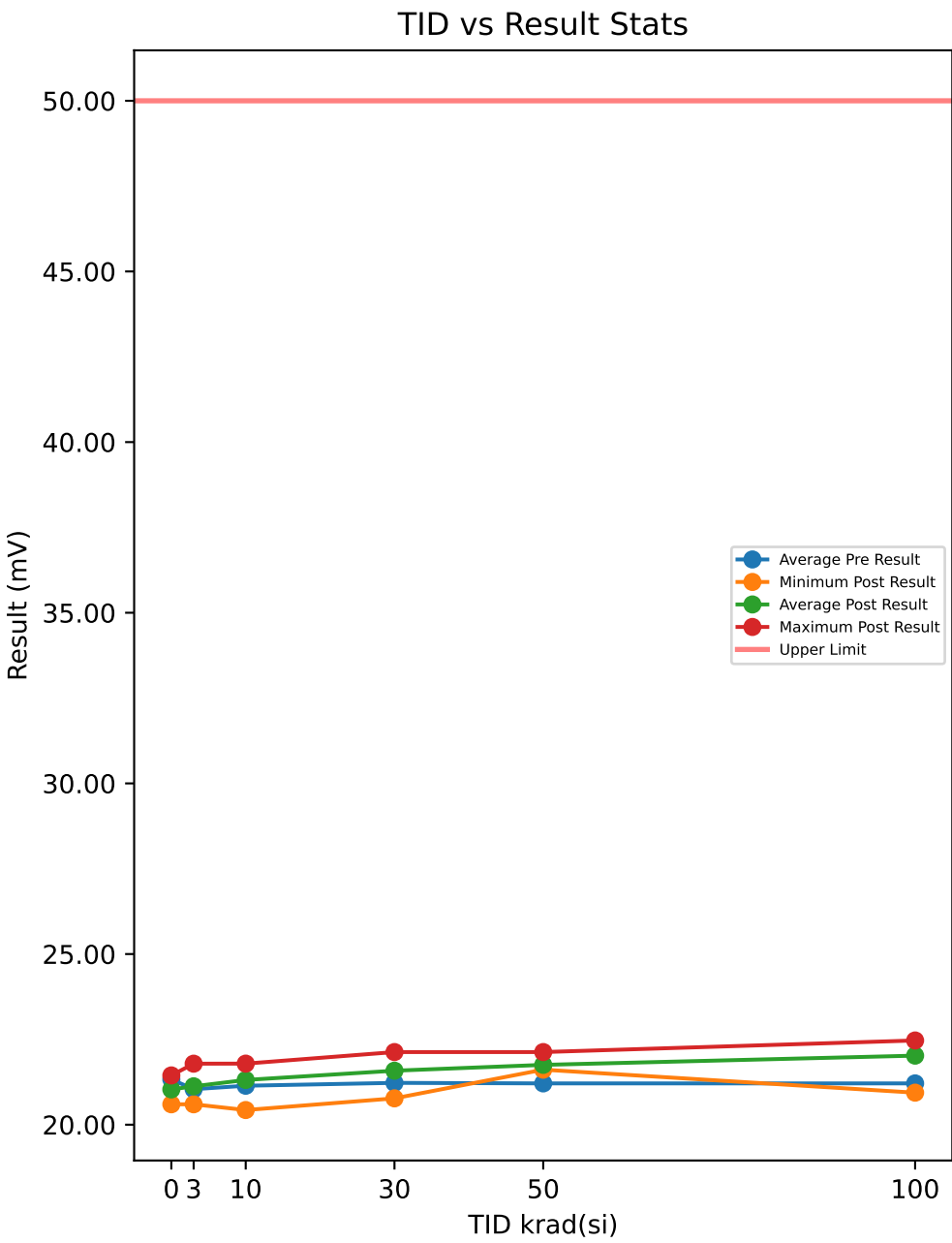
TID vs Post - Pre Exposure Delta



Test Statistics (mV)

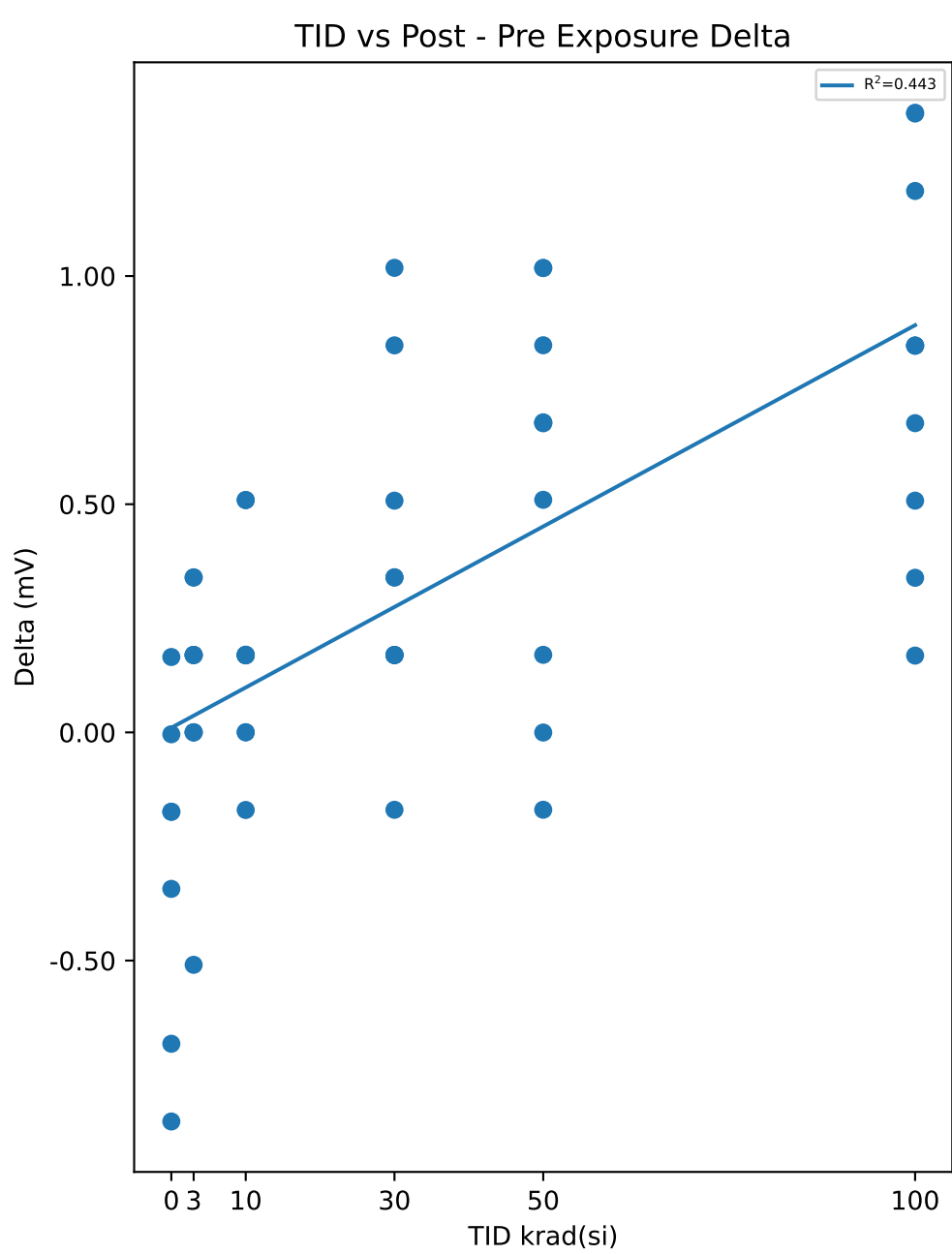
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	480.99	484.99	487.1	2.2824	477.42	480.86	483.36	2.4684	-5.6033	-4.1251	-3.397	0.90739
3	478.95	483.82	487.61	2.7652	476.91	484.11	490.83	5.0296	-4.9212	0.28823	4.0729	3.5537
10	477.59	483.92	487.61	2.7936	476.06	485.84	491.85	5.0562	-1.6964	1.9177	5.091	2.9048
30	476.92	485.01	492.02	4.8988	483.87	492.93	498.64	4.8077	3.7346	7.9259	10.862	2.6559
50	477.94	486.32	491.68	4.0693	493.04	498.57	502.71	3.2721	9.8453	12.254	15.104	1.8636
100	478.27	486.38	492.02	4.4607	501.02	512.54	522.06	6.0587	22.743	26.155	30.042	2.3305

Device Test: 17.21 VDO_100MA(VIN|DROPOUT/OUT//3//100//@VDO_100MA)



Test Results (Upper Limit = 50.0 (mV))

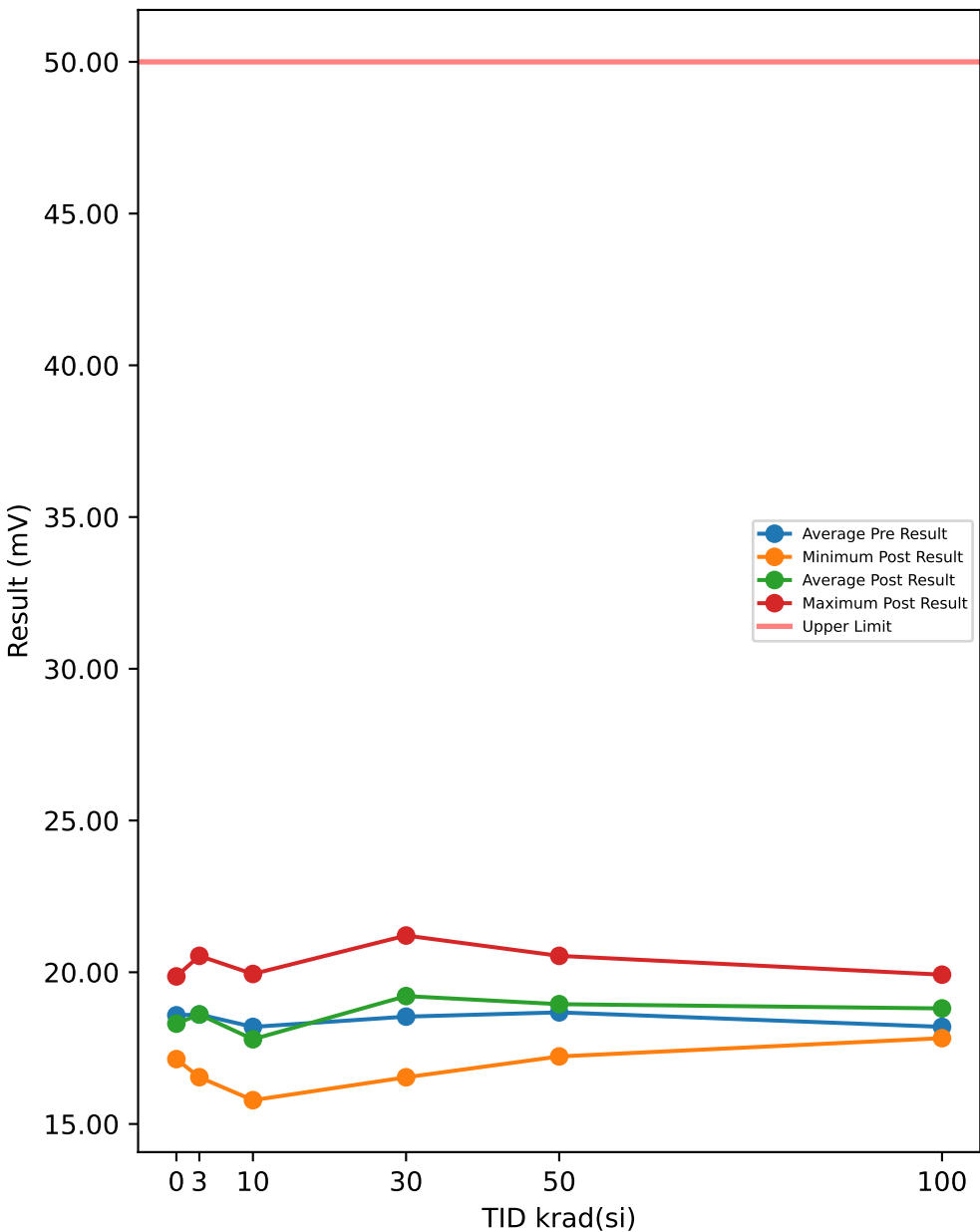
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	21.279	21.279	0.0002
55	3	HDR unbiased	21.788	21.788	0
57	3	HDR unbiased	21.111	21.45	0.3398
58	3	HDR unbiased	21.109	21.279	0.1697
59	3	HDR unbiased	20.938	20.938	0.0003
82	10	HDR unbiased	21.62	21.789	0.1695
83	10	HDR unbiased	21.112	21.282	0.1696
84	10	HDR unbiased	20.768	21.277	0.509
85	10	HDR unbiased	21.447	21.616	0.169
87	10	HDR unbiased	21.618	21.618	0.0002
94	30	HDR unbiased	20.941	20.772	-0.1696
95	30	HDR unbiased	20.937	21.277	0.34
97	30	HDR unbiased	21.28	22.128	0.8481
98	30	HDR unbiased	21.786	21.955	0.1696
99	30	HDR unbiased	21.617	21.787	0.1698
105	50	HDR unbiased	21.449	21.619	0.17
107	50	HDR unbiased	21.113	21.79	0.6774
108	50	HDR unbiased	20.77	21.618	0.8483
109	50	HDR unbiased	21.114	21.792	0.6783
110	50	HDR unbiased	21.111	22.128	1.0176
121	100	HDR biased	20.935	22.293	1.3578
123	100	HDR biased	20.77	20.938	0.1683
124	100	HDR biased	21.108	21.956	0.8475
125	100	HDR biased	21.443	22.291	0.8475
126	100	HDR biased	21.613	21.952	0.3388
127	50	HDR biased	21.613	21.613	-0.0003
128	50	HDR biased	21.276	21.786	0.5097
129	50	HDR biased	21.782	21.612	-0.1695
130	50	HDR biased	20.598	21.615	1.0176
132	50	HDR biased	21.274	21.954	0.6795
149	100	HDR unbiased	21.62	22.468	0.8476
150	100	HDR unbiased	21.112	21.62	0.5078
151	100	HDR unbiased	20.94	22.127	1.1864
152	100	HDR unbiased	20.94	22.296	1.3561
153	100	HDR unbiased	21.615	22.292	0.6776
164	30	HDR biased	20.935	21.104	0.1695
165	30	HDR biased	21.443	21.782	0.3392
166	30	HDR biased	21.276	21.784	0.5078
168	30	HDR biased	21.275	21.445	0.1693
169	30	HDR biased	20.767	21.785	1.018
170	10	HDR biased	21.106	21.107	0.0003
171	10	HDR biased	20.936	21.446	0.5093
172	10	HDR biased	20.6	20.43	-0.17
173	10	HDR biased	21.104	21.272	0.1688
174	10	HDR biased	21.102	21.273	0.1703
175	3	HDR biased	20.596	20.765	0.1691
176	3	HDR biased	21.107	20.598	-0.5093
178	3	HDR biased	20.767	21.106	0.3392
179	3	HDR biased	20.937	21.107	0.1698
180	3	HDR biased	20.769	20.939	0.1697
187	0	correlation	21.279	21.105	-0.174
188	0	correlation	21.279	21.275	-0.0041
189	0	correlation	21.45	20.768	-0.6823
190	0	correlation	21.281	21.107	-0.1738
191	0	correlation	21.451	20.598	-0.8526
192	0	correlation	21.28	20.937	-0.3429
193	0	correlation	21.279	21.444	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	21.279	21.328	21.451	0.083419	20.598	21.033	21.444	0.29063	-0.8526	-0.29493	0.1652	0.36262
3	20.596	21.04	21.788	0.33271	20.598	21.125	21.788	0.34477	-0.5093	0.08485	0.3398	0.24334
10	20.6	21.141	21.62	0.33818	20.43	21.311	21.789	0.37387	-0.17	0.1696	0.5093	0.21168
30	20.767	21.226	21.786	0.33014	20.772	21.582	22.128	0.42138	-0.1696	0.35617	1.018	0.35266
50	20.598	21.21	21.782	0.35784	21.612	21.753	22.128	0.17617	-0.1695	0.54286	1.0176	0.41389
100	20.77	21.21	21.62	0.3305	20.938	22.023	22.468	0.45327	0.1683	0.81354	1.3578	0.40644

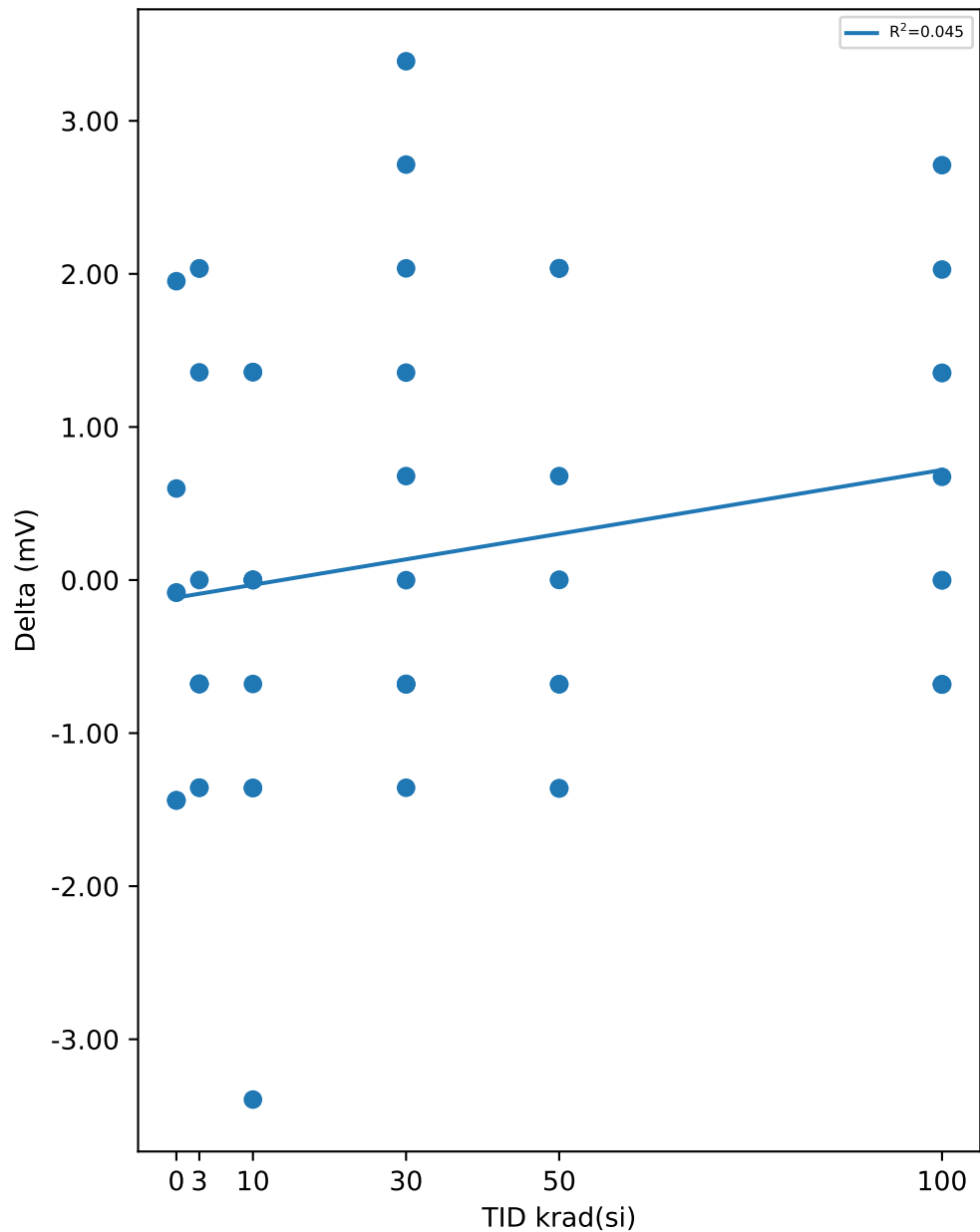
TID vs Result Stats



Test Results (Upper Limit = 50.0 (mV))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	19.26	18.581	-0.679
55	3	HDR unbiased	17.221	16.541	-0.679
57	3	HDR unbiased	19.941	18.585	-1.3561
58	3	HDR unbiased	19.935	19.257	-0.6781
59	3	HDR unbiased	17.896	17.896	0
82	10	HDR unbiased	18.584	19.943	1.3589
83	10	HDR unbiased	18.59	18.591	0.0009
84	10	HDR unbiased	17.218	17.218	0
85	10	HDR unbiased	17.895	16.537	-1.358
87	10	HDR unbiased	18.578	17.899	-0.679
94	30	HDR unbiased	18.586	19.265	0.679
95	30	HDR unbiased	19.929	18.572	-1.357
97	30	HDR unbiased	19.941	19.259	-0.6818
98	30	HDR unbiased	17.214	19.25	2.0361
99	30	HDR unbiased	17.219	16.539	-0.68
105	50	HDR unbiased	19.261	18.581	-0.68
107	50	HDR unbiased	19.272	17.91	-1.3619
108	50	HDR unbiased	19.94	19.259	-0.6809
109	50	HDR unbiased	17.917	19.953	2.0361
110	50	HDR unbiased	18.585	17.225	-1.3599
121	100	HDR biased	19.856	19.854	-0.0019
123	100	HDR biased	18.511	17.828	-0.6828
124	100	HDR biased	19.183	18.502	-0.681
125	100	HDR biased	19.17	18.489	-0.6809
126	100	HDR biased	17.135	18.488	1.3532
127	50	HDR biased	17.813	17.814	0.001
128	50	HDR biased	18.503	20.54	2.037
129	50	HDR biased	19.168	19.847	0.679
130	50	HDR biased	18.502	20.537	2.0352
132	50	HDR biased	17.815	17.816	0.001
149	100	HDR unbiased	18.585	18.584	-0.0009
150	100	HDR unbiased	17.91	18.584	0.6743
151	100	HDR unbiased	17.226	19.255	2.0285
152	100	HDR unbiased	17.223	18.577	1.3532
153	100	HDR unbiased	17.21	19.92	2.7103
164	30	HDR biased	21.888	21.21	-0.6781
165	30	HDR biased	16.454	19.168	2.7142
166	30	HDR biased	16.465	19.855	3.3893
168	30	HDR biased	18.497	19.853	1.3551
169	30	HDR biased	19.179	19.178	-0.0009
170	10	HDR biased	19.178	15.784	-3.3941
171	10	HDR biased	17.819	17.821	0.0019
172	10	HDR biased	19.189	17.83	-1.359
173	10	HDR biased	17.132	17.131	-0.0009
174	10	HDR biased	17.808	19.166	1.358
175	3	HDR biased	19.853	18.496	-1.357
176	3	HDR biased	19.183	20.54	1.357
178	3	HDR biased	17.144	19.179	2.0351
179	3	HDR biased	17.822	19.858	2.0361
180	3	HDR biased	17.829	17.151	-0.678
187	0	correlation	17.221	17.137	-0.083
188	0	correlation	19.937	18.496	-1.4401
189	0	correlation	18.584	18.503	-0.0811
190	0	correlation	20.621	19.182	-1.4391
191	0	correlation	19.264	19.862	0.598
192	0	correlation	15.869	17.821	1.9522
193	0	correlation	18.577	17.137	-1.4391

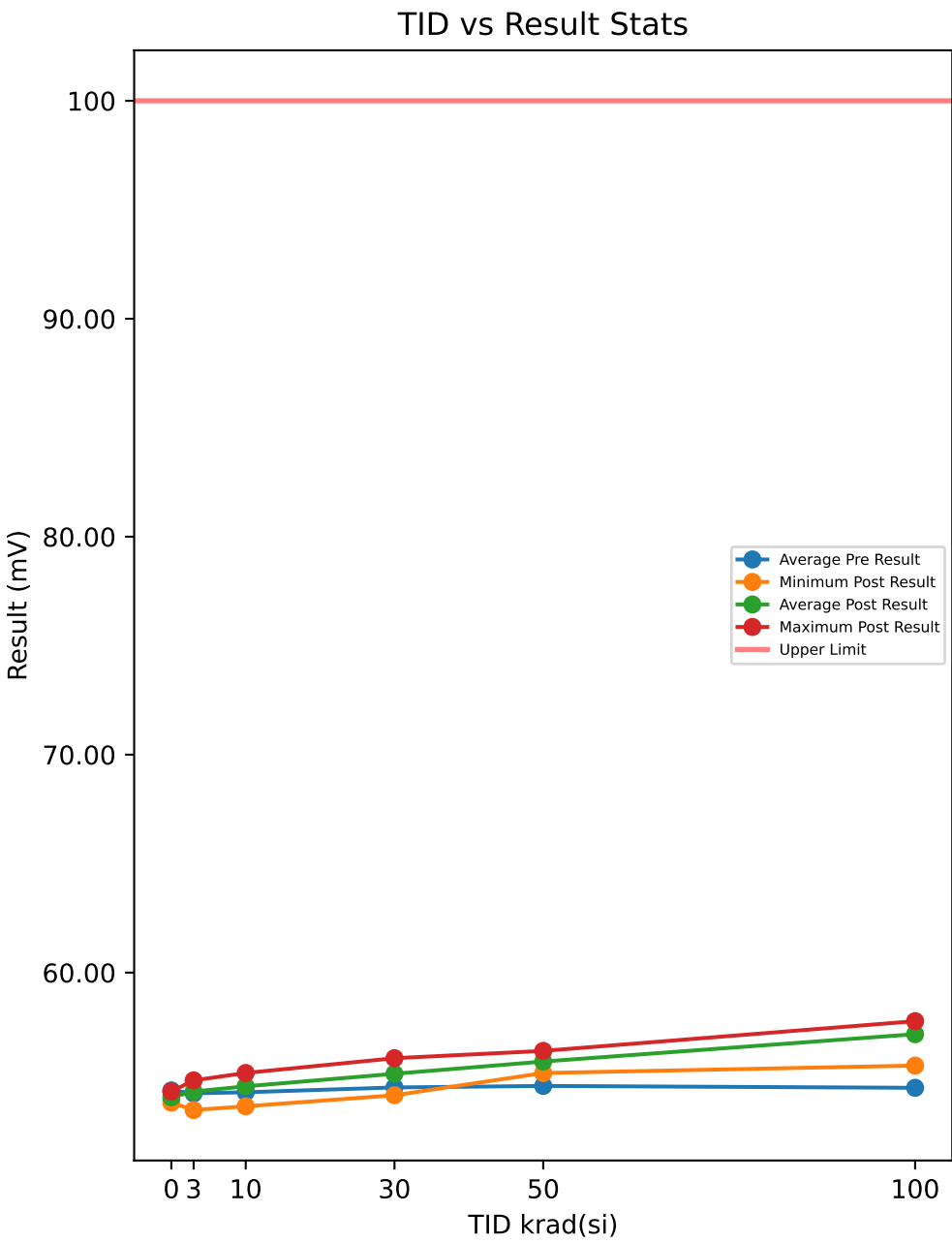
TID vs Post - Pre Exposure Delta



Test Statistics (mV)

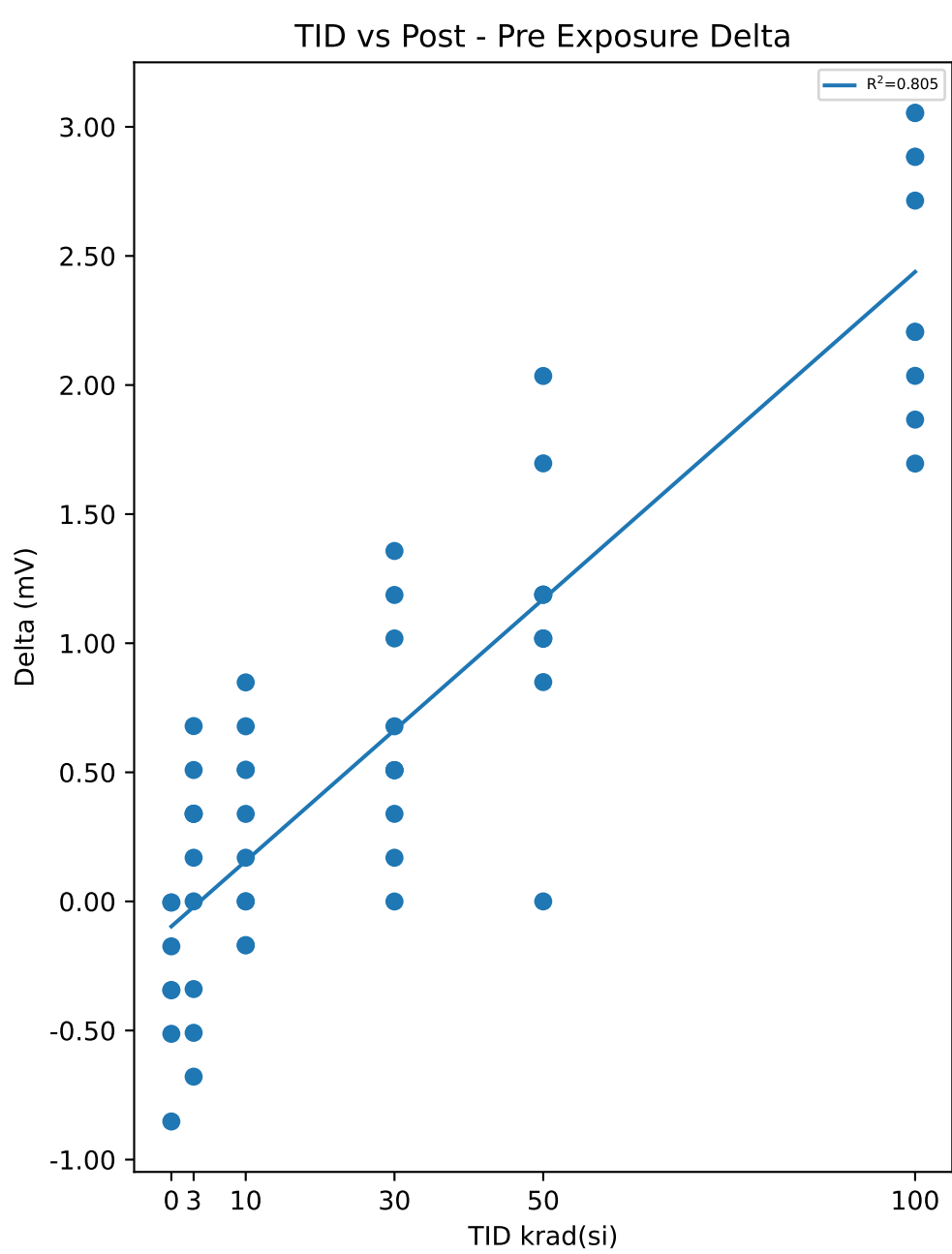
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	15.869	18.582	20.621	1.6162	17.137	18.306	19.862	1.019	-1.4401	-0.27603	1.9522	1.2822
3	17.144	18.608	19.941	1.1374	16.541	18.608	20.54	1.1999	-1.357	0.0001	2.0361	1.3187
10	17.132	18.199	19.189	0.73601	15.784	17.792	19.943	1.2266	-3.3941	-0.40713	1.3589	1.4026
30	16.454	18.537	21.888	1.7536	16.539	19.215	21.21	1.1729	-1.357	0.67759	3.3893	1.6308
50	17.813	18.678	19.94	0.72038	17.225	18.948	20.54	1.2349	-1.3619	0.27066	2.037	1.3661
100	17.135	18.201	19.856	0.99966	17.828	18.808	19.92	0.6618	-0.6828	0.6072	2.7103	1.2149

Device Test: 17.27 VDO_250MA(VIN|DROPOUT/OUT//3//250//@VDO_250MA)



Test Results (Upper Limit = 100.0 (mV))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	54.208	54.887	0.6791
55	3	HDR unbiased	54.716	55.056	0.34
57	3	HDR unbiased	54.378	54.718	0.3395
58	3	HDR unbiased	54.546	55.055	0.509
59	3	HDR unbiased	54.376	54.715	0.3388
82	10	HDR unbiased	55.057	55.058	0.0005
83	10	HDR unbiased	54.38	55.059	0.6783
84	10	HDR unbiased	54.376	55.224	0.8483
85	10	HDR unbiased	54.885	54.885	-0.0002
87	10	HDR unbiased	54.886	55.395	0.5098
94	30	HDR unbiased	53.531	54.718	1.1869
95	30	HDR unbiased	54.714	55.733	1.0185
97	30	HDR unbiased	54.887	55.396	0.5087
98	30	HDR unbiased	55.563	55.563	-0.0003
99	30	HDR unbiased	54.716	56.073	1.3573
105	50	HDR unbiased	55.057	56.075	1.0185
107	50	HDR unbiased	53.533	55.568	2.0351
108	50	HDR unbiased	54.378	56.075	1.6966
109	50	HDR unbiased	54.381	55.57	1.1882
110	50	HDR unbiased	54.888	56.076	1.1876
121	100	HDR biased	55.392	57.598	2.2058
123	100	HDR biased	53.698	55.734	2.0356
124	100	HDR biased	55.224	57.43	2.2061
125	100	HDR biased	54.202	57.257	3.0546
126	100	HDR biased	55.221	56.917	1.6959
127	50	HDR biased	55.899	55.899	0
128	50	HDR biased	55.224	56.242	1.0186
129	50	HDR biased	55.22	56.408	1.1885
130	50	HDR biased	54.375	55.393	1.0173
132	50	HDR biased	55.051	55.901	0.8495
149	100	HDR unbiased	55.058	57.773	2.7144
150	100	HDR unbiased	53.871	56.755	2.8841
151	100	HDR unbiased	54.548	57.601	3.0532
152	100	HDR unbiased	54.717	57.601	2.8839
153	100	HDR unbiased	55.223	57.089	1.8661
164	30	HDR biased	54.033	54.372	0.3392
165	30	HDR biased	55.56	56.068	0.5083
166	30	HDR biased	54.884	55.392	0.5081
168	30	HDR biased	54.883	55.052	0.1691
169	30	HDR biased	54.544	55.223	0.6783
170	10	HDR biased	54.035	53.865	-0.1699
171	10	HDR biased	54.544	55.053	0.5095
172	10	HDR biased	53.698	53.867	0.1692
173	10	HDR biased	54.541	54.88	0.339
174	10	HDR biased	54.71	54.541	-0.1695
175	3	HDR biased	54.542	53.864	-0.6788
176	3	HDR biased	55.224	54.715	-0.509
178	3	HDR biased	54.544	54.544	0.0002
179	3	HDR biased	54.035	53.695	-0.3395
180	3	HDR biased	54.037	54.206	0.1691
187	0	correlation	54.717	54.373	-0.3438
188	0	correlation	54.717	54.543	-0.174
189	0	correlation	54.209	54.205	-0.0039
190	0	correlation	54.888	54.545	-0.3435
191	0	correlation	54.04	54.036	-0.0043
192	0	correlation	54.548	54.035	-0.5129
193	0	correlation	55.055	54.203	-0.8524

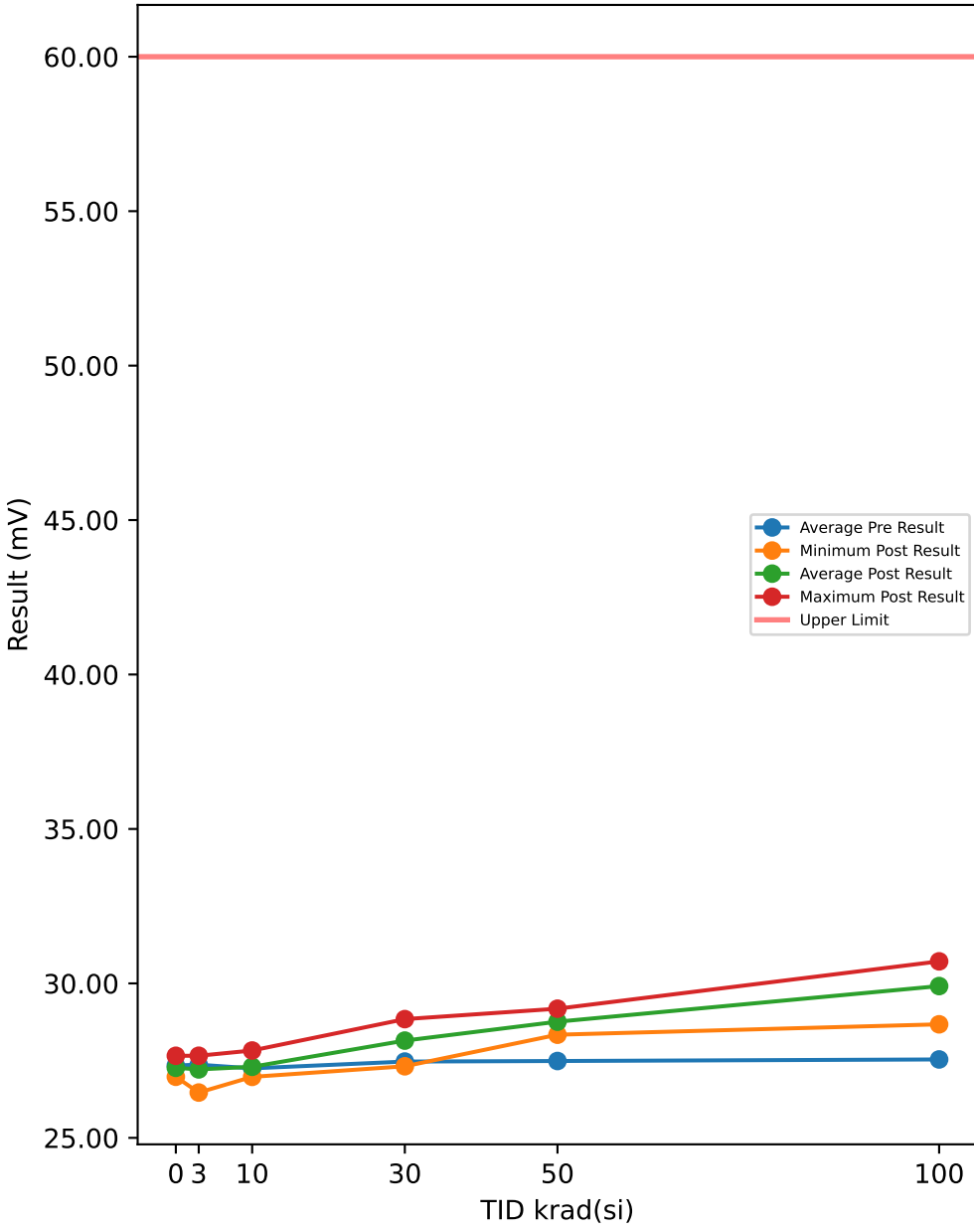


Test Statistics (mV)

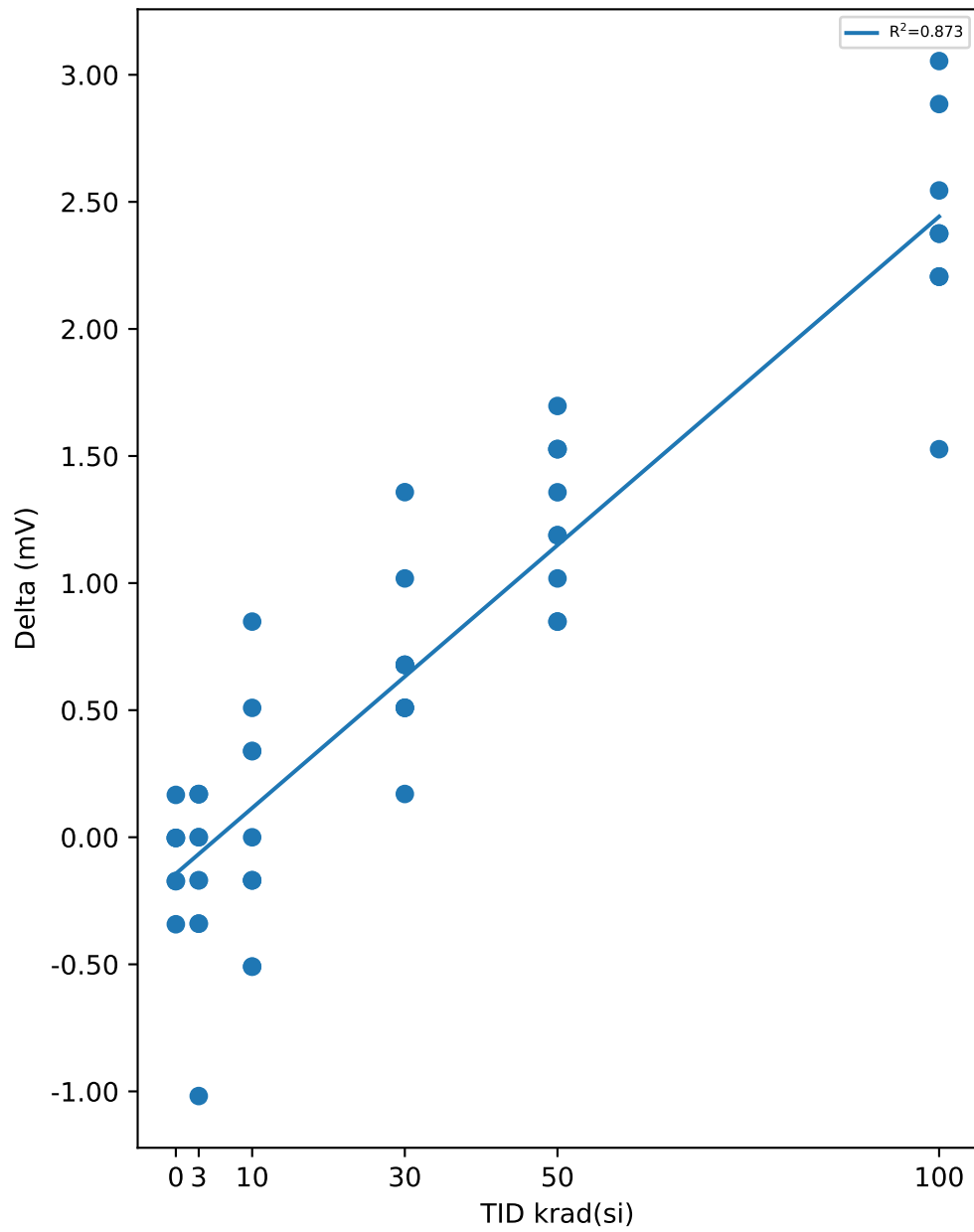
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	54.04	54.596	55.055	0.36216	54.035	54.277	54.545	0.21564	-0.8524	-0.31926	-0.0039	0.30074
3	54.035	54.461	55.224	0.35069	53.695	54.546	55.056	0.47459	-0.6788	0.08484	0.6791	0.45432
10	53.698	54.511	55.057	0.41408	53.865	54.783	55.395	0.53266	-0.1699	0.2715	0.8483	0.35951
30	53.531	54.731	55.563	0.6157	54.372	55.359	56.073	0.54707	-0.0003	0.62741	1.3573	0.43855
50	53.533	54.801	55.899	0.6533	55.393	55.921	56.408	0.32327	0	1.12	2.0351	0.53151
100	53.698	54.715	55.392	0.61337	55.734	57.175	57.773	0.60538	1.6959	2.46	3.0546	0.51375

Device Test: 17.3 VDO_100MA_LV(VIN|DROPOUT/OUT//2.25//100//@VDO_100MA_LV)

TID vs Result Stats



TID vs Post - Pre Exposure Delta

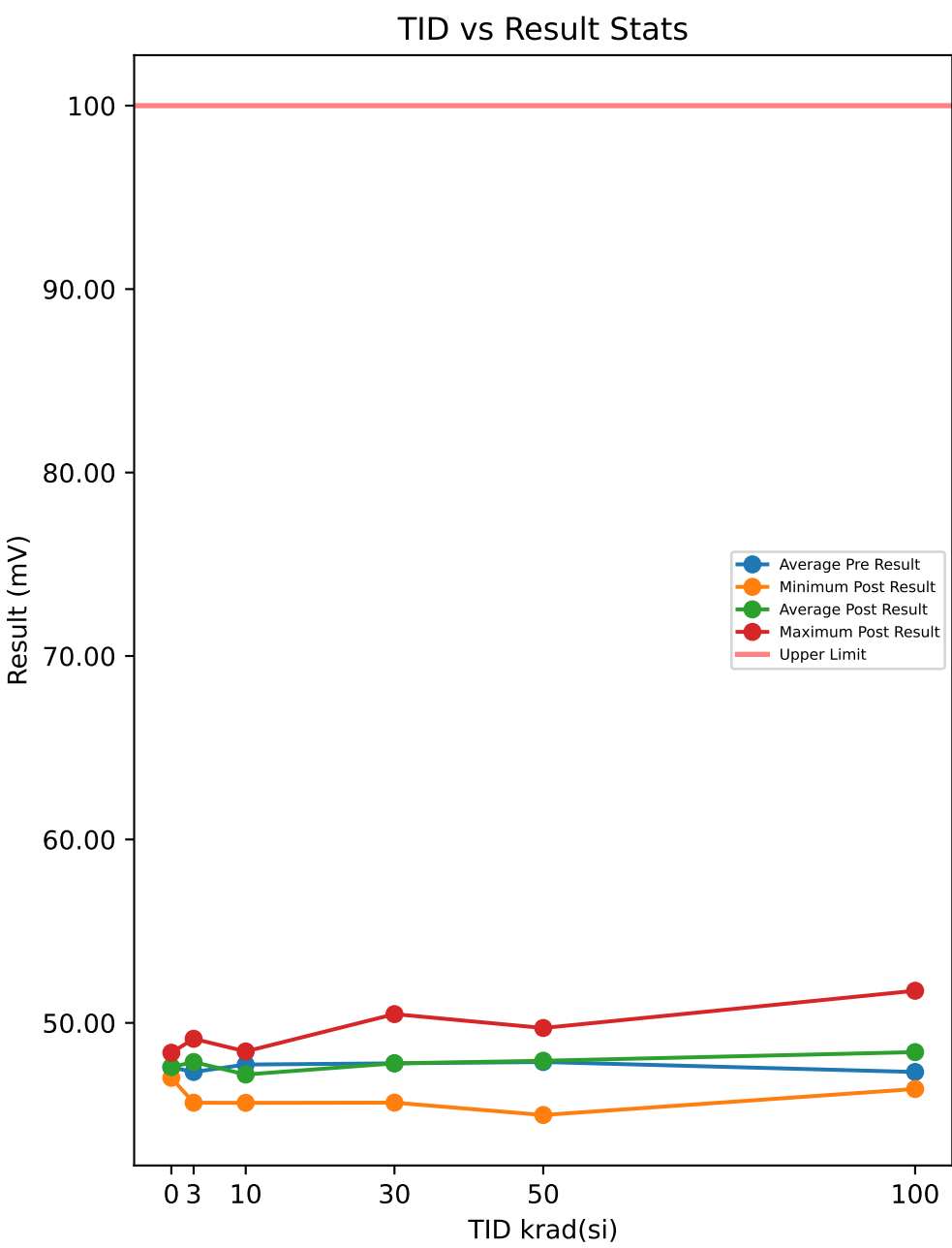


Test Results (Upper Limit = 60.0 (mV))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	27.319	27.488	0.169
55	3	HDR unbiased	27.658	27.658	0
57	3	HDR unbiased	27.319	27.489	0.1698
58	3	HDR unbiased	26.809	26.979	0.1703
59	3	HDR unbiased	27.148	26.978	-0.1697
82	10	HDR unbiased	27.489	27.32	-0.1693
83	10	HDR unbiased	26.812	27.66	0.8485
84	10	HDR unbiased	27.487	27.318	-0.1695
85	10	HDR unbiased	27.148	27.487	0.3386
87	10	HDR unbiased	27.319	27.828	0.509
94	30	HDR unbiased	26.641	27.999	1.3578
95	30	HDR unbiased	26.808	27.317	0.5093
97	30	HDR unbiased	27.489	28.507	1.0183
98	30	HDR unbiased	27.317	27.995	0.6785
99	30	HDR unbiased	27.657	28.167	0.5095
105	50	HDR unbiased	27.319	28.846	1.5273
107	50	HDR unbiased	26.812	28.339	1.5266
108	50	HDR unbiased	26.979	28.676	1.6969
109	50	HDR unbiased	27.661	28.679	1.0183
110	50	HDR unbiased	27.828	28.677	0.8485
121	100	HDR biased	27.825	30.201	2.3758
123	100	HDR biased	26.3	28.675	2.3749
124	100	HDR biased	28.336	30.542	2.2061
125	100	HDR biased	27.654	29.86	2.2063
126	100	HDR biased	27.824	29.351	1.5268
127	50	HDR biased	27.654	28.842	1.1883
128	50	HDR biased	28.165	29.014	0.8488
129	50	HDR biased	27.654	29.181	1.5275
130	50	HDR biased	27.147	28.504	1.3573
132	50	HDR biased	27.654	28.843	1.1885
149	100	HDR unbiased	27.829	30.714	2.8849
150	100	HDR unbiased	26.811	29.017	2.2053
151	100	HDR unbiased	27.828	30.373	2.5449
152	100	HDR unbiased	27.319	30.373	3.0541
153	100	HDR unbiased	27.656	30.031	2.3751
164	30	HDR biased	27.485	27.655	0.1702
165	30	HDR biased	27.823	28.332	0.5092
166	30	HDR biased	27.995	28.673	0.6781
168	30	HDR biased	27.316	27.994	0.6785
169	30	HDR biased	28.165	28.844	0.6785
170	10	HDR biased	27.656	27.147	-0.509
171	10	HDR biased	27.825	27.316	-0.5091
172	10	HDR biased	26.979	26.979	-0.0002
173	10	HDR biased	27.144	26.974	-0.1698
174	10	HDR biased	26.635	26.974	0.3395
175	3	HDR biased	27.485	26.467	-1.0183
176	3	HDR biased	27.996	27.656	-0.34
178	3	HDR biased	27.656	27.316	-0.3398
179	3	HDR biased	27.147	27.147	0.0002
180	3	HDR biased	27.148	26.979	-0.1693
187	0	correlation	27.488	27.315	-0.1728
188	0	correlation	27.318	27.315	-0.0028
189	0	correlation	26.98	27.147	0.1666
190	0	correlation	27.829	27.656	-0.1726
191	0	correlation	27.32	26.978	-0.3424
192	0	correlation	27.319	27.316	-0.0027
193	0	correlation	27.148	27.146	-0.0026

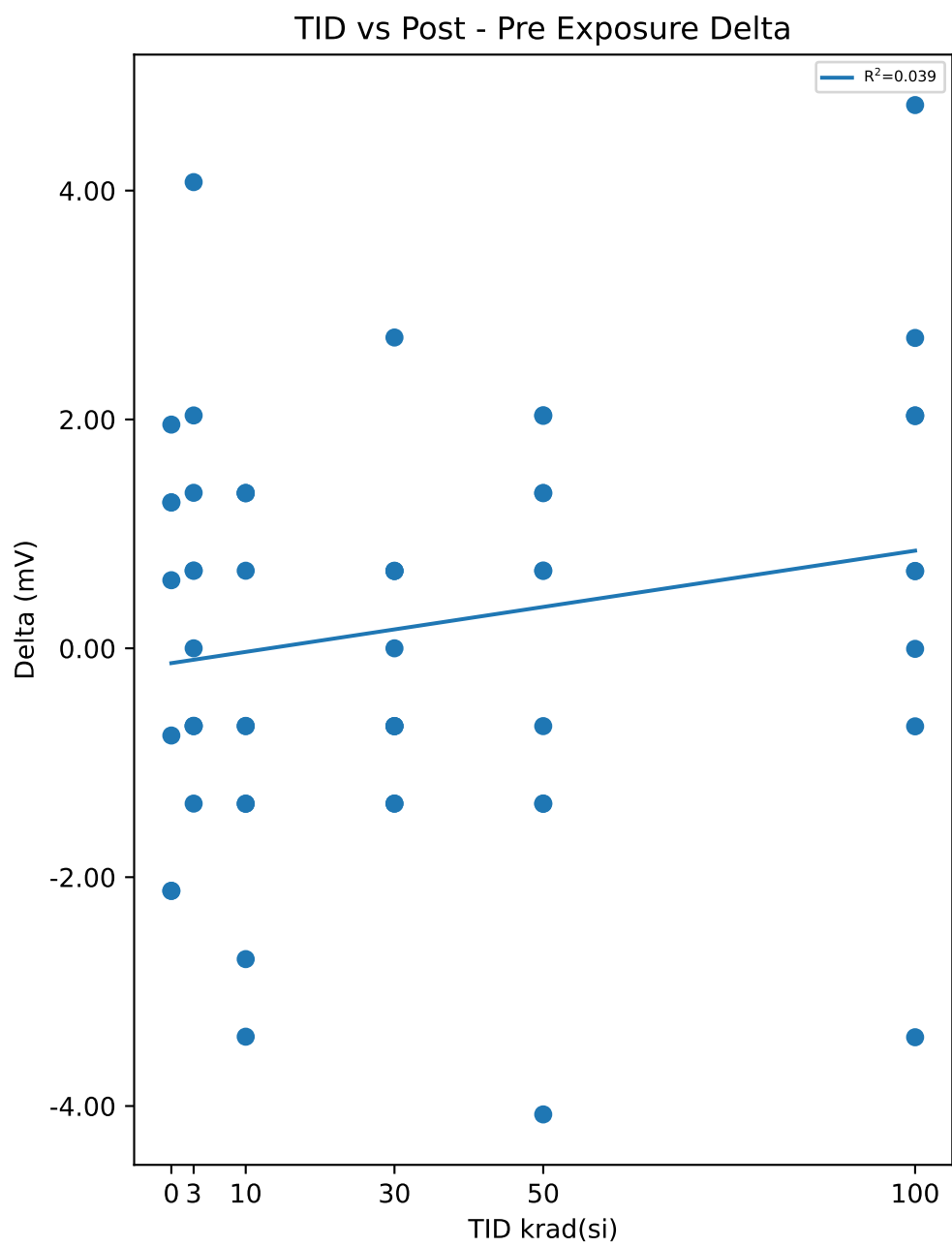
Test Statistics (mV)

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	26.98	27.343	27.829	0.26723	26.978	27.268	27.656	0.21278	-0.3424	-0.075614	0.1666	0.16565
3	26.809	27.368	27.996	0.33973	26.467	27.216	27.658	0.37757	-1.0183	-0.15278	0.1703	0.36185
10	26.635	27.249	27.825	0.37707	26.974	27.3	27.828	0.29491	-0.5091	0.05087	0.8485	0.44566
30	26.641	27.47	28.165	0.48219	27.317	28.148	28.844	0.46263	0.1702	0.67879	1.3578	0.31992
50	26.812	27.487	28.165	0.41467	28.339	28.76	29.181	0.24178	0.8485	1.2728	1.6969	0.30182
100	26.3	27.538	28.336	0.58727	28.675	29.914	30.714	0.68405	1.5268	2.3754	3.0541	0.4157



Test Results (Upper Limit = 100.0 (mV))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	46.414	48.45	2.0351
55	3	HDR unbiased	47.09	47.767	0.6771
57	3	HDR unbiased	45.059	49.133	4.0741
58	3	HDR unbiased	47.768	48.448	0.68
59	3	HDR unbiased	48.445	47.765	-0.6799
82	10	HDR unbiased	48.454	47.774	-0.68
83	10	HDR unbiased	48.459	47.781	-0.6781
84	10	HDR unbiased	47.087	48.444	1.3571
85	10	HDR unbiased	49.122	46.406	-2.7161
87	10	HDR unbiased	47.769	46.411	-1.358
94	30	HDR unbiased	47.097	47.097	0
95	30	HDR unbiased	47.762	50.478	2.7161
97	30	HDR unbiased	47.094	47.772	0.6772
98	30	HDR unbiased	49.119	47.762	-1.3571
99	30	HDR unbiased	50.481	49.802	-0.679
105	50	HDR unbiased	47.094	48.45	1.3562
107	50	HDR unbiased	45.747	47.778	2.0313
108	50	HDR unbiased	47.772	46.413	-1.359
109	50	HDR unbiased	47.786	47.106	-0.68
110	50	HDR unbiased	47.096	47.772	0.6761
121	100	HDR biased	47.688	49.723	2.0352
123	100	HDR biased	44.306	47.018	2.7123
124	100	HDR biased	48.374	50.408	2.0342
125	100	HDR biased	47.682	47	-0.6819
126	100	HDR biased	47.004	51.751	4.7474
127	50	HDR biased	50.397	49.041	-1.3561
128	50	HDR biased	49.051	44.978	-4.0732
129	50	HDR biased	48.358	49.038	0.6799
130	50	HDR biased	47.692	49.049	1.3571
132	50	HDR biased	47.685	49.722	2.037
149	100	HDR unbiased	47.098	47.774	0.6761
150	100	HDR unbiased	49.816	46.417	-3.3989
151	100	HDR unbiased	47.774	49.803	2.0285
152	100	HDR unbiased	47.093	47.768	0.6742
153	100	HDR unbiased	46.401	46.396	-0.0047
164	30	HDR biased	48.363	47.006	-1.357
165	30	HDR biased	48.359	47.679	-0.68
166	30	HDR biased	46.333	47.009	0.6752
168	30	HDR biased	47.009	47.686	0.6771
169	30	HDR biased	46.333	45.652	-0.6809
170	10	HDR biased	46.331	47.689	1.3571
171	10	HDR biased	49.047	45.652	-3.3941
172	10	HDR biased	47.022	48.377	1.3551
173	10	HDR biased	47	45.642	-1.358
174	10	HDR biased	46.999	47.677	0.678
175	3	HDR biased	47.006	45.649	-1.3571
176	3	HDR biased	48.373	47.694	-0.679
178	3	HDR biased	48.369	48.369	0
179	3	HDR biased	47.69	49.049	1.359
180	3	HDR biased	47.019	46.342	-0.6771
187	0	correlation	46.411	47.006	0.5951
188	0	correlation	45.734	47.008	1.2741
189	0	correlation	45.738	47.693	1.9551
190	0	correlation	49.133	48.371	-0.762
191	0	correlation	47.097	48.373	1.276
192	0	correlation	49.81	47.69	-2.12
193	0	correlation	49.126	47.007	-2.1191

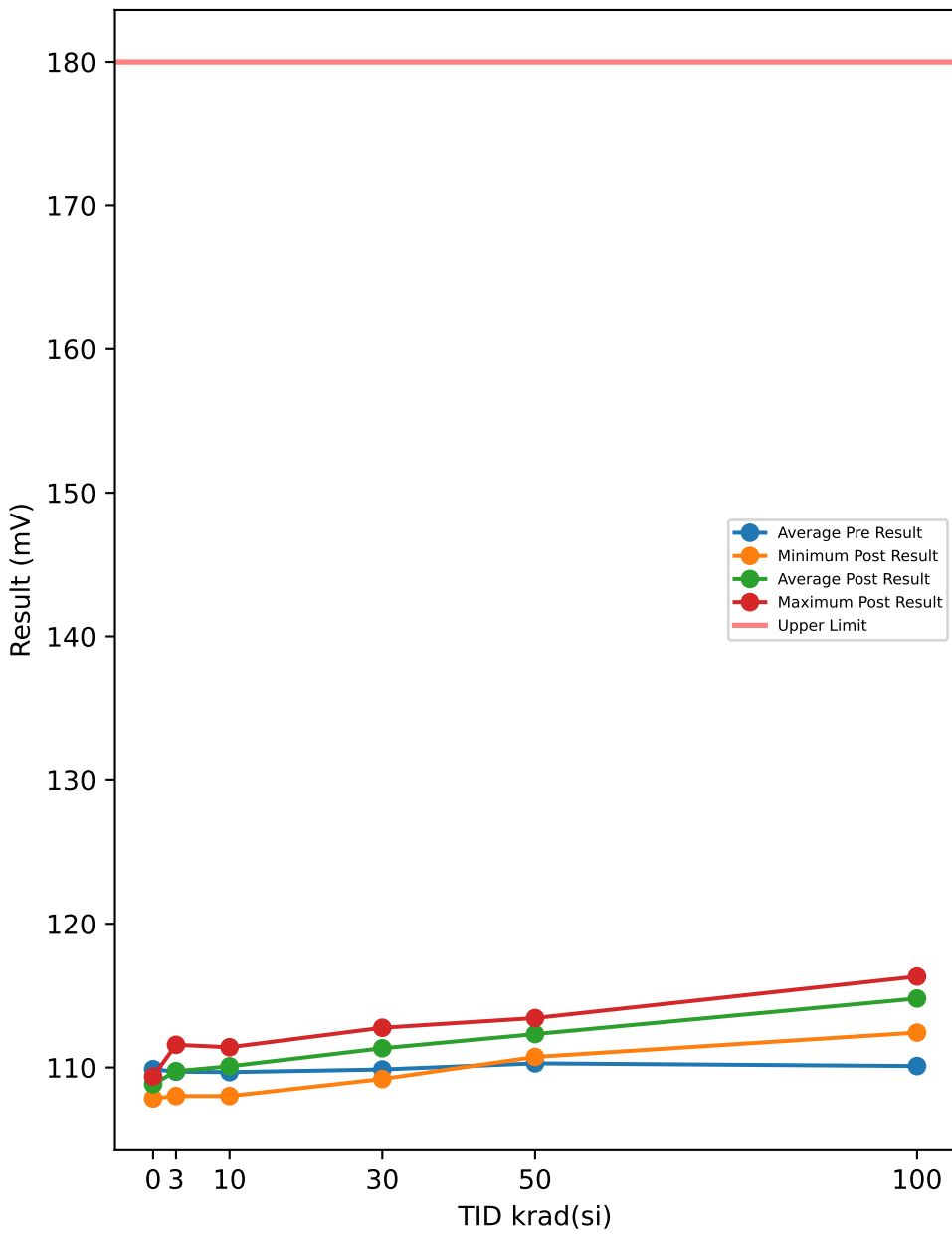


Test Statistics (mV)

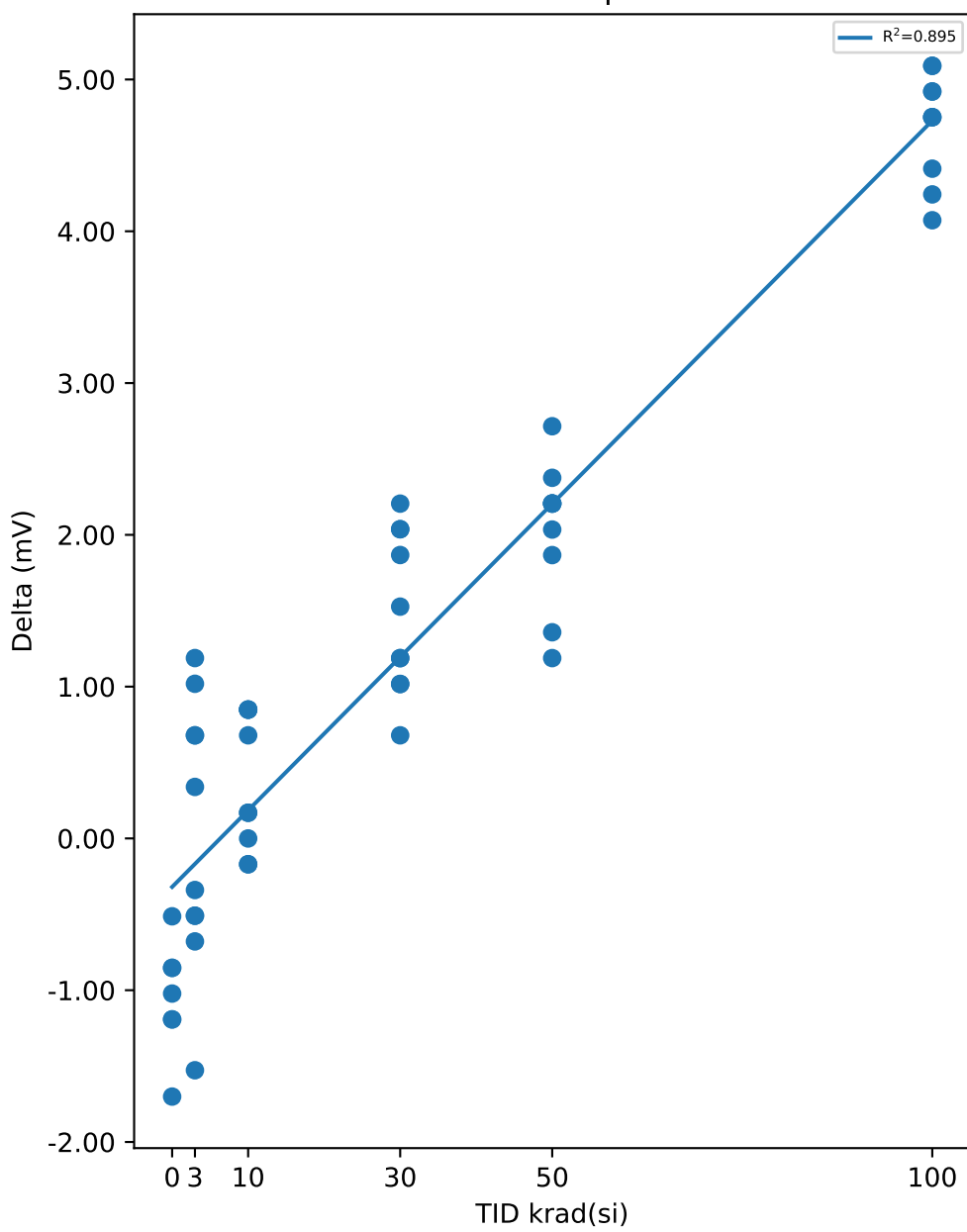
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	45.734	47.578	49.81	1.7406	47.006	47.593	48.373	0.61448	-2.12	0.014171	1.9551	1.6829
3	45.059	47.323	48.445	1.0534	45.649	47.867	49.133	1.1169	-1.3571	0.54322	4.0741	1.6255
10	46.331	47.729	49.122	0.98132	45.642	47.185	48.444	1.0615	-3.3941	-0.5437	1.3571	1.7169
30	46.333	47.795	50.481	1.3114	45.652	47.794	50.478	1.3973	-1.3571	-0.00084	2.7161	1.2392
50	45.747	47.868	50.397	1.2387	44.978	47.935	49.722	1.4505	-4.0732	0.06693	2.037	1.9313
100	44.306	47.324	49.816	1.412	46.396	48.406	51.751	1.8734	-3.3989	1.0822	4.7474	2.1986

Device Test: 17.33 VDO_500MA(VIN|DROPOUT/OUT//3//500//@VDO_500MA)

TID vs Result Stats



TID vs Post - Pre Exposure Delta



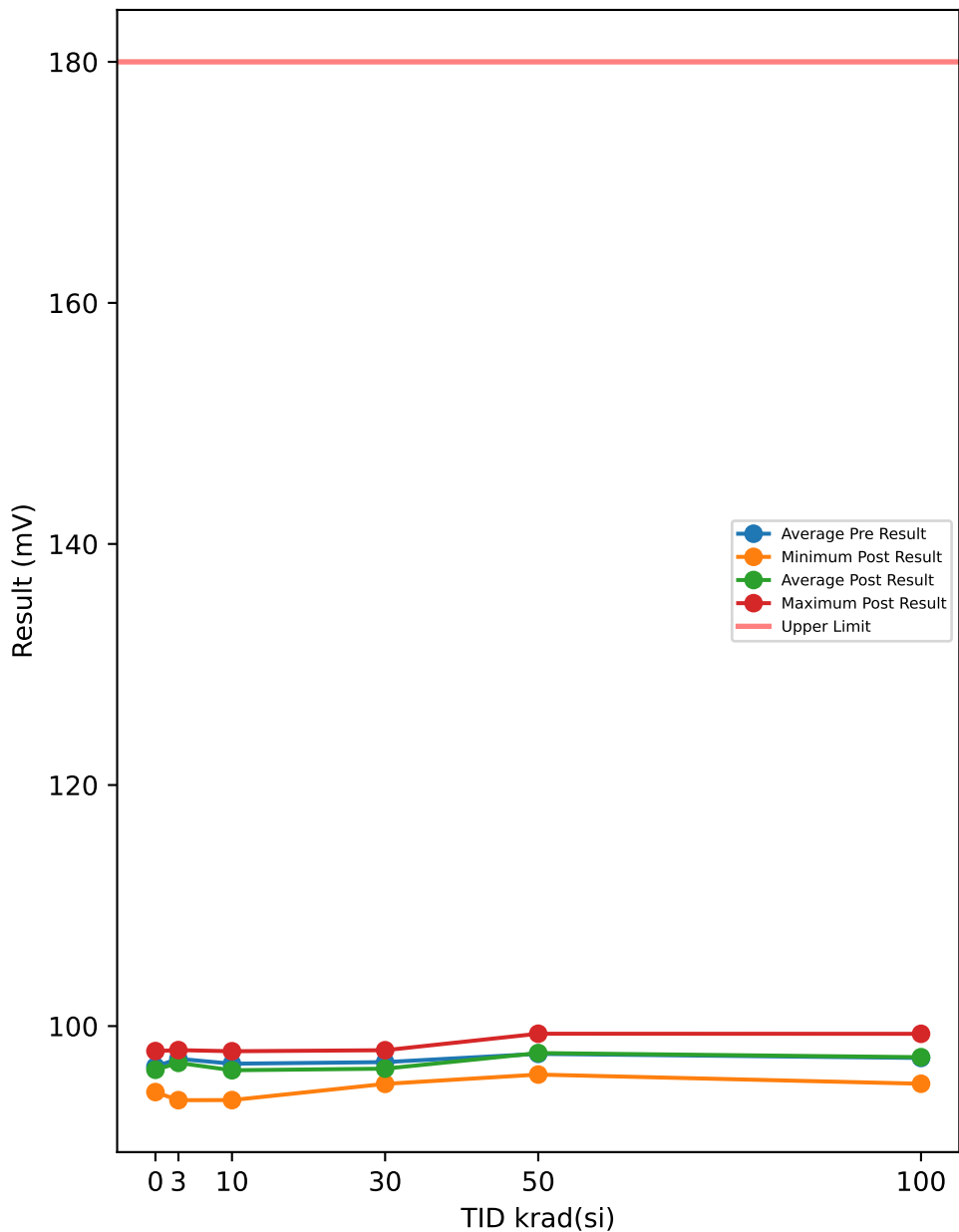
Test Results (Upper Limit = 180.0 (mV))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	109.71	110.9	1.1882
55	3	HDR unbiased	110.56	111.58	1.0188
57	3	HDR unbiased	109.71	110.39	0.6793
58	3	HDR unbiased	109.71	110.39	0.679
59	3	HDR unbiased	109.71	110.05	0.3393
82	10	HDR unbiased	109.71	110.56	0.8486
83	10	HDR unbiased	109.71	110.56	0.8488
84	10	HDR unbiased	110.05	110.9	0.8488
85	10	HDR unbiased	109.88	110.73	0.8487
87	10	HDR unbiased	110.73	111.41	0.6793
94	30	HDR unbiased	107.85	110.05	2.2056
95	30	HDR unbiased	109.2	111.24	2.0373
97	30	HDR unbiased	109.37	111.41	2.0368
98	30	HDR unbiased	111.24	112.42	1.1881
99	30	HDR unbiased	110.9	112.77	1.8671
105	50	HDR unbiased	109.88	112.6	2.7156
107	50	HDR unbiased	108.7	110.73	2.0349
108	50	HDR unbiased	109.54	111.92	2.3758
109	50	HDR unbiased	110.22	112.43	2.2061
110	50	HDR unbiased	110.39	112.6	2.2061
121	100	HDR biased	110.73	115.14	4.4124
123	100	HDR biased	108.35	112.43	4.0727
124	100	HDR biased	110.73	115.48	4.7514
125	100	HDR biased	110.55	114.8	4.2429
126	100	HDR biased	110.05	114.8	4.7515
127	50	HDR biased	111.23	113.44	2.207
128	50	HDR biased	110.9	112.76	1.8666
129	50	HDR biased	111.57	112.76	1.188
130	50	HDR biased	109.71	111.91	2.2059
132	50	HDR biased	110.72	112.08	1.3582
149	100	HDR unbiased	111.58	116.33	4.7522
150	100	HDR unbiased	108.19	113.11	4.9205
151	100	HDR unbiased	110.56	115.65	5.0897
152	100	HDR unbiased	110.05	114.97	4.9214
153	100	HDR unbiased	110.22	115.31	5.0905
164	30	HDR biased	108.52	109.2	0.6792
165	30	HDR biased	110.89	112.08	1.1878
166	30	HDR biased	110.56	111.57	1.0168
168	30	HDR biased	109.88	110.89	1.018
169	30	HDR biased	110.22	111.74	1.527
170	10	HDR biased	109.2	109.37	0.169
171	10	HDR biased	110.05	109.88	-0.1697
172	10	HDR biased	108.18	108.01	-0.1707
173	10	HDR biased	109.87	110.04	0.1693
174	10	HDR biased	109.37	109.37	-0.0002
175	3	HDR biased	109.37	108.86	-0.5088
176	3	HDR biased	110.39	110.05	-0.3398
178	3	HDR biased	110.39	108.86	-1.5273
179	3	HDR biased	108.52	108.01	-0.5095
180	3	HDR biased	109.03	108.35	-0.6785
187	0	correlation	110.39	108.69	-1.7008
188	0	correlation	109.88	109.37	-0.5131
189	0	correlation	109.37	108.52	-0.8526
190	0	correlation	110.22	109.37	-0.8528
191	0	correlation	109.03	107.84	-1.1921
192	0	correlation	109.88	108.69	-1.1924
193	0	correlation	110.39	109.37	-1.0221

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	109.03	109.88	110.39	0.51765	107.84	108.83	109.37	0.57436	-1.7008	-1.0466	-0.5131	0.37212
3	108.52	109.71	110.56	0.63522	108.01	109.74	111.58	1.1654	-1.5273	0.03407	1.1882	0.87577
10	108.18	109.68	110.73	0.66826	108.01	110.08	111.41	0.98026	-0.1707	0.40719	0.8488	0.4472
30	107.85	109.86	111.24	1.1148	109.2	111.34	112.77	1.077	0.6792	1.4764	2.2056	0.53113
50	108.7	110.29	111.57	0.86326	110.73	112.32	113.44	0.72383	1.188	2.0364	2.7156	0.45953
100	108.19	110.1	111.58	1.0607	112.43	114.8	116.33	1.1755	4.0727	4.7005	5.0905	0.34883

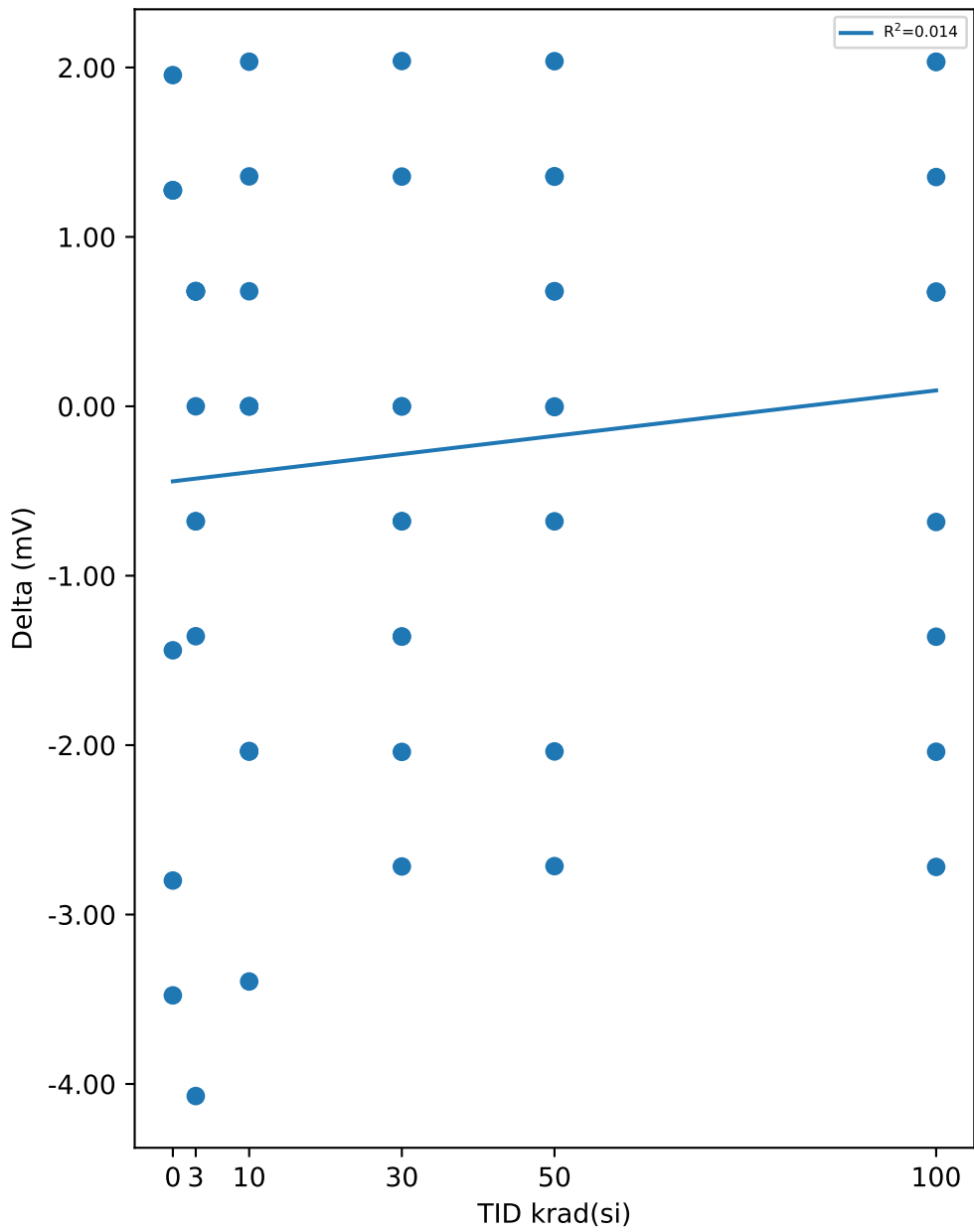
TID vs Result Stats



Test Results (Upper Limit = 180.0 (mV))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	97.328	98.007	0.679
55	3	HDR unbiased	97.324	97.324	0
57	3	HDR unbiased	95.974	96.654	0.6799
58	3	HDR unbiased	98.682	97.325	-1.3571
59	3	HDR unbiased	97.322	98.001	0.679
82	10	HDR unbiased	97.331	95.295	-2.036
83	10	HDR unbiased	97.337	97.337	0
84	10	HDR unbiased	97.322	97.321	-0.0009
85	10	HDR unbiased	95.285	97.32	2.0342
87	10	HDR unbiased	95.966	97.323	1.3571
94	30	HDR unbiased	93.94	95.296	1.3561
95	30	HDR unbiased	98.676	97.998	-0.678
97	30	HDR unbiased	96.65	96.649	-0.0009
98	30	HDR unbiased	98.677	97.318	-1.359
99	30	HDR unbiased	98.002	97.323	-0.679
105	50	HDR unbiased	97.328	98.686	1.358
107	50	HDR unbiased	95.983	95.978	-0.0048
108	50	HDR unbiased	95.97	96.649	0.679
109	50	HDR unbiased	98.022	97.343	-0.679
110	50	HDR unbiased	98.011	99.366	1.3552
121	100	HDR biased	96.564	97.241	0.6771
123	100	HDR biased	95.9	95.217	-0.6828
124	100	HDR biased	95.215	97.249	2.0342
125	100	HDR biased	99.274	97.914	-1.36
126	100	HDR biased	99.276	96.557	-2.7189
127	50	HDR biased	97.238	97.917	0.679
128	50	HDR biased	97.249	99.286	2.0371
129	50	HDR biased	99.951	97.237	-2.7142
130	50	HDR biased	97.928	97.927	-0.0009
132	50	HDR biased	99.278	97.24	-2.0371
149	100	HDR unbiased	98.691	96.652	-2.039
150	100	HDR unbiased	95.979	98.011	2.0323
151	100	HDR unbiased	98.688	99.359	0.6714
152	100	HDR unbiased	97.328	98.002	0.6742
153	100	HDR unbiased	96.636	97.989	1.3533
164	30	HDR biased	95.881	97.92	2.038
165	30	HDR biased	95.878	95.878	0
166	30	HDR biased	97.247	95.207	-2.0399
168	30	HDR biased	97.921	95.205	-2.7161
169	30	HDR biased	97.247	95.888	-1.359
170	10	HDR biased	96.567	94.532	-2.0352
171	10	HDR biased	97.246	97.247	0.0009
172	10	HDR biased	97.256	93.861	-3.3951
173	10	HDR biased	97.236	95.198	-2.038
174	10	HDR biased	97.234	97.913	0.679
175	3	HDR biased	99.278	95.206	-4.0712
176	3	HDR biased	97.252	97.93	0.6781
178	3	HDR biased	98.604	97.926	-0.6781
179	3	HDR biased	94.532	93.853	-0.679
180	3	HDR biased	96.576	97.255	0.6791
187	0	correlation	95.967	97.241	1.2741
188	0	correlation	95.968	97.243	1.2751
189	0	correlation	96.652	97.928	1.276
190	0	correlation	98.01	96.57	-1.4401
191	0	correlation	98.011	94.534	-3.4771
192	0	correlation	94.615	96.57	1.955
193	0	correlation	97.324	94.525	-2.7991

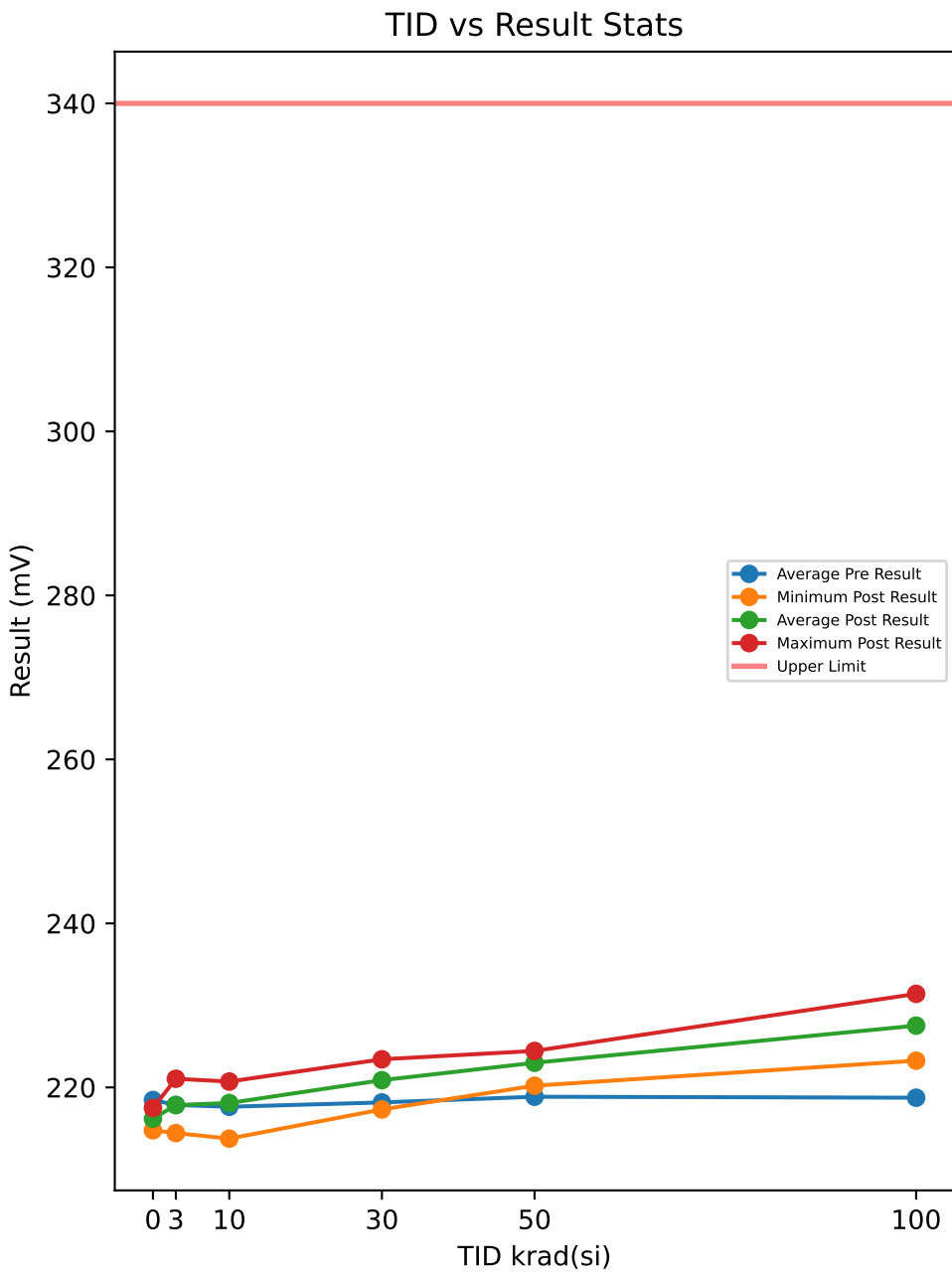
TID vs Post - Pre Exposure Delta



Test Statistics (mV)

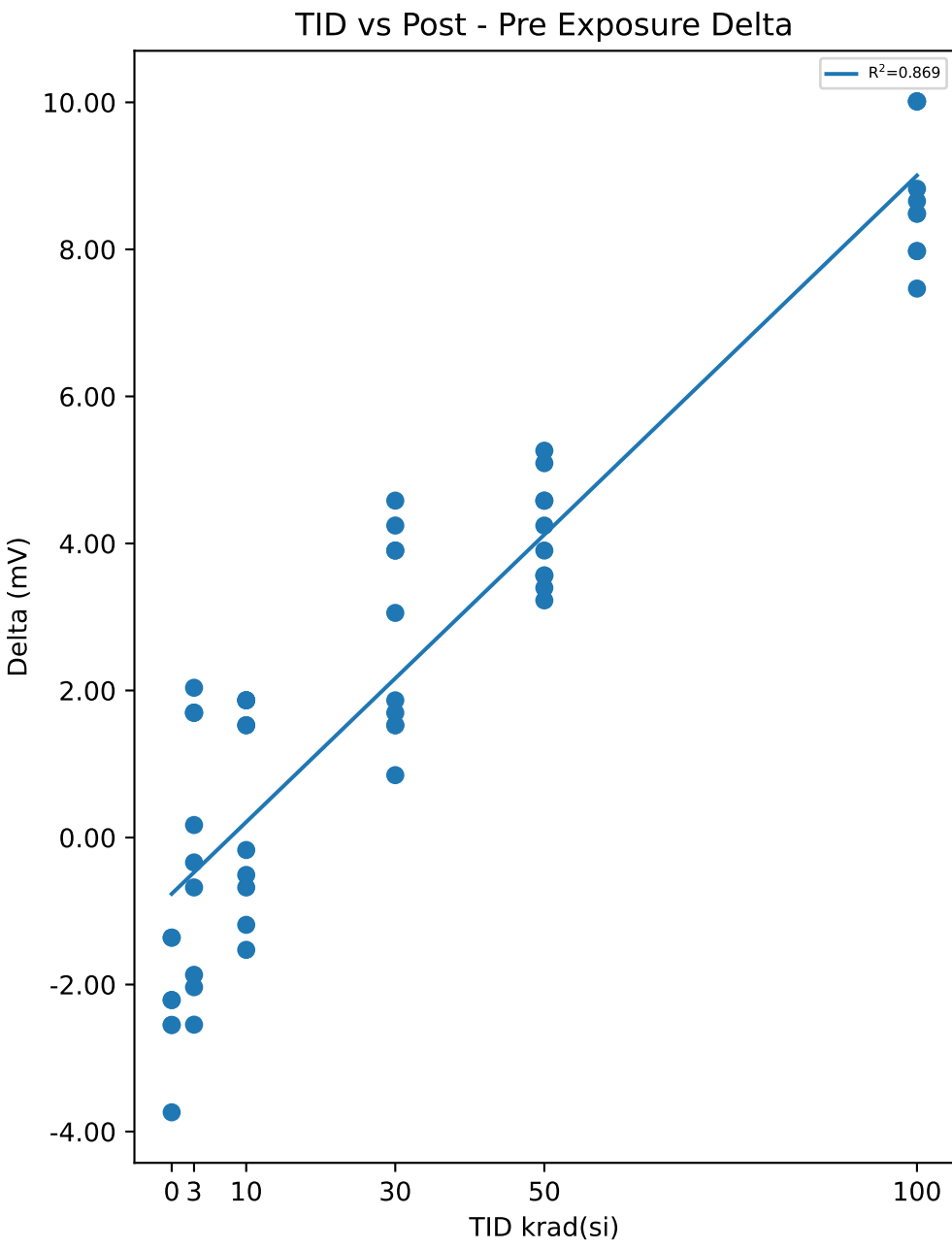
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	94.615	96.65	98.011	1.2402	94.525	96.373	97.928	1.3419	-3.4771	-0.27659	1.955	2.2421
3	94.532	97.287	99.278	1.3932	93.853	96.948	98.007	1.3835	-4.0712	-0.33903	0.6799	1.509
10	95.285	96.878	97.337	0.71565	93.861	96.335	97.913	1.4526	-3.3951	-0.5434	2.0342	1.7466
30	93.94	97.012	98.677	1.4754	95.205	96.468	97.998	1.1143	-2.7161	-0.54378	2.038	1.4602
50	95.97	97.696	99.951	1.2607	95.978	97.763	99.366	1.1029	-2.7142	0.06723	2.0371	1.516
100	95.215	97.355	99.276	1.5154	95.217	97.419	99.359	1.1189	-2.7189	0.06418	2.0342	1.6762

Device Test: 17.39 VDO_1A(VIN|DROPOUT/OUT//3//1000//@VDO_1A)



Test Results (Upper Limit = 340.0 (mV))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	218.17	219.87	1.6973
55	3	HDR unbiased	219.35	221.05	1.6975
57	3	HDR unbiased	217.83	219.53	1.6976
58	3	HDR unbiased	217.15	219.19	2.037
59	3	HDR unbiased	217.49	217.66	0.17
82	10	HDR unbiased	218.34	220.21	1.867
83	10	HDR unbiased	217.83	219.36	1.5273
84	10	HDR unbiased	217.83	219.35	1.5276
85	10	HDR unbiased	217.66	219.52	1.8666
87	10	HDR unbiased	218.85	220.71	1.8669
94	30	HDR unbiased	214.44	219.02	4.5824
95	30	HDR unbiased	215.79	220.03	4.2436
97	30	HDR unbiased	217.15	221.05	3.9029
98	30	HDR unbiased	219.69	222.75	3.0551
99	30	HDR unbiased	219.52	223.43	3.9038
105	50	HDR unbiased	218.68	223.26	4.5822
107	50	HDR unbiased	215.62	220.21	4.5815
108	50	HDR unbiased	218	223.26	5.2616
109	50	HDR unbiased	218.85	223.09	4.2428
110	50	HDR unbiased	219.36	224.45	5.0919
121	100	HDR biased	219.86	228.52	8.6563
123	100	HDR biased	215.79	223.26	7.4668
124	100	HDR biased	219.86	228.35	8.4862
125	100	HDR biased	219.52	227.5	7.977
126	100	HDR biased	219.18	227.16	7.9761
127	50	HDR biased	220.03	223.93	3.9036
128	50	HDR biased	220.03	223.6	3.5644
129	50	HDR biased	220.88	224.27	3.3956
130	50	HDR biased	217.66	221.22	3.5637
132	50	HDR biased	219.52	222.75	3.2254
149	100	HDR unbiased	221.39	231.41	10.013
150	100	HDR unbiased	215.62	224.11	8.485
151	100	HDR unbiased	218.85	228.86	10.012
152	100	HDR unbiased	218.17	228.18	10.013
153	100	HDR unbiased	219.18	228.01	8.8244
164	30	HDR biased	216.47	217.31	0.8483
165	30	HDR biased	220.71	222.23	1.5275
166	30	HDR biased	219.86	221.39	1.5269
168	30	HDR biased	218.67	220.37	1.6969
169	30	HDR biased	219.35	221.22	1.8661
170	10	HDR biased	216.47	216.3	-0.17
171	10	HDR biased	217.99	217.49	-0.5088
172	10	HDR biased	215.28	213.75	-1.528
173	10	HDR biased	218.5	217.82	-0.6793
174	10	HDR biased	217.65	216.46	-1.1878
175	3	HDR biased	217.82	215.79	-2.0361
176	3	HDR biased	219.18	218.51	-0.6791
178	3	HDR biased	218.67	216.13	-2.5458
179	3	HDR biased	216.3	214.43	-1.8673
180	3	HDR biased	216.64	216.3	-0.3392
187	0	correlation	219.36	215.62	-3.7377
188	0	correlation	218.85	217.48	-1.3616
189	0	correlation	217.49	215.28	-2.2106
190	0	correlation	218.68	217.32	-1.3618
191	0	correlation	216.98	214.77	-2.2104
192	0	correlation	218.68	216.13	-2.5494
193	0	correlation	219.19	216.64	-2.5499

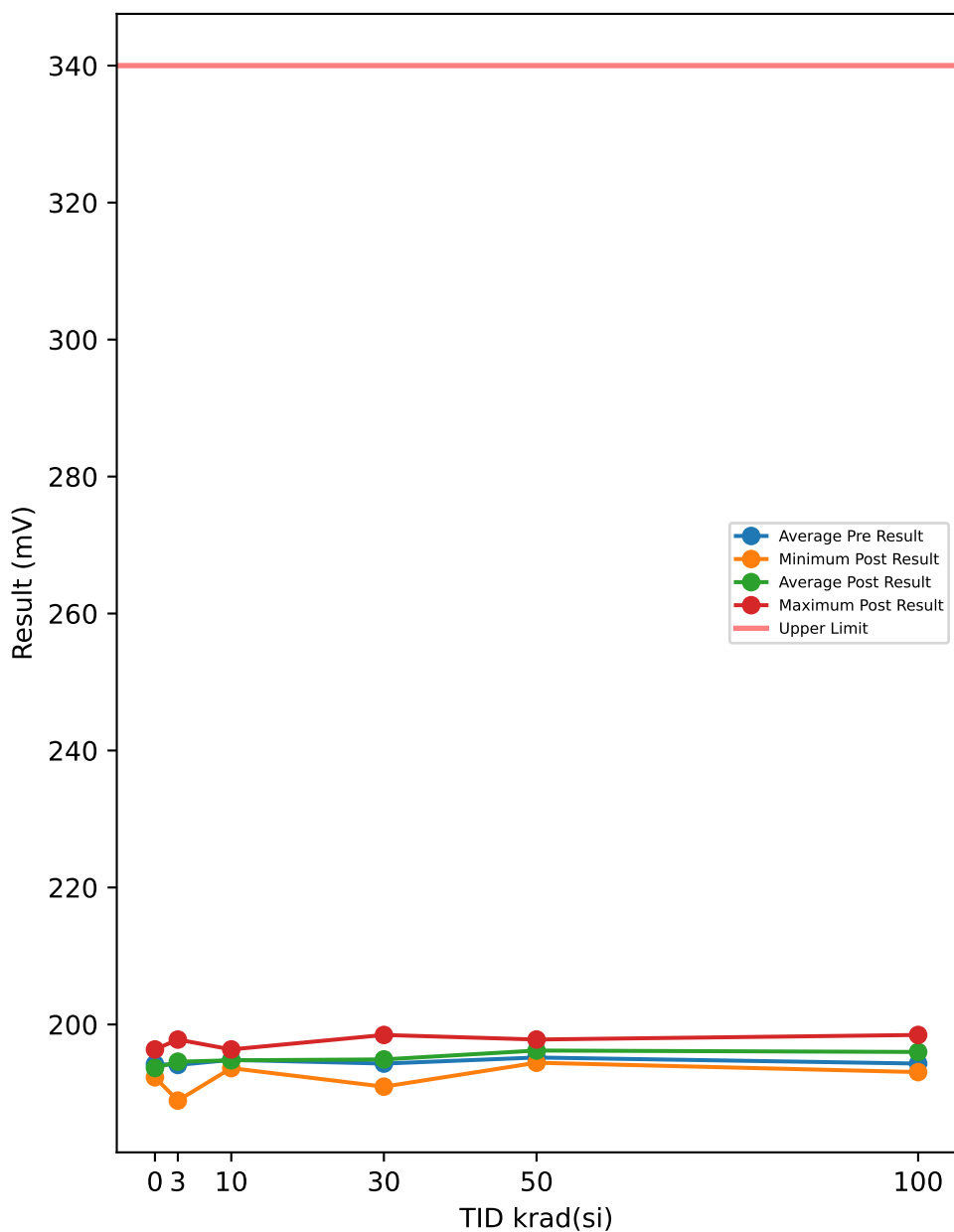


Test Statistics (mV)

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	216.98	218.46	219.36	0.88494	214.77	216.18	217.48	1.026	-3.7377	-2.2831	-1.3616	0.81307
3	216.3	217.86	219.35	1.0178	214.43	217.84	221.05	2.1264	-2.5458	-0.01681	2.037	1.7483
10	215.28	217.64	218.85	1.0444	213.75	218.1	220.71	2.1528	-1.528	0.45815	1.867	1.3951
30	214.44	218.17	220.71	2.0729	217.31	220.88	223.43	1.8069	0.8483	2.7154	4.5824	1.3674
50	215.62	218.86	220.88	1.4975	220.21	223	224.45	1.3385	3.2254	4.1413	5.2616	0.72073
100	215.62	218.74	221.39	1.8043	223.26	227.53	231.41	2.3378	7.4668	8.7911	10.013	0.92888

Device Test: 17.42 VDO_1A(VIN|DROPOUT/OUT//13.3//1000//@VDO_1A)

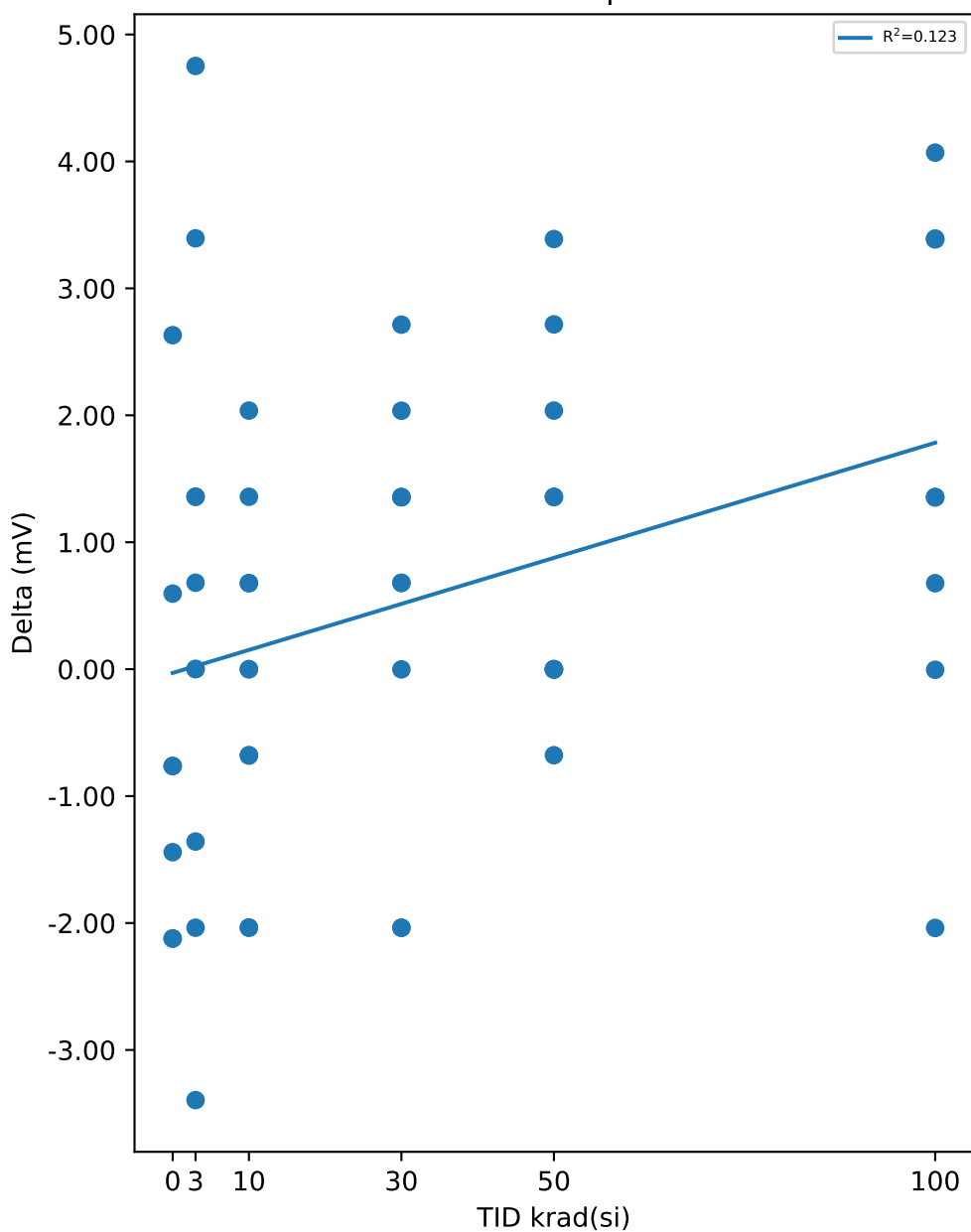
TID vs Result Stats



Test Results (Upper Limit = 340.0 (mV))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	195.08	196.44	1.359
55	3	HDR unbiased	194.4	197.79	3.3942
57	3	HDR unbiased	194.41	195.09	0.6809
58	3	HDR unbiased	193.72	193.72	0.001
59	3	HDR unbiased	191.68	196.43	4.7521
82	10	HDR unbiased	196.44	194.41	-2.0361
83	10	HDR unbiased	194.41	193.74	-0.6771
84	10	HDR unbiased	193.04	195.08	2.0371
85	10	HDR unbiased	196.43	195.75	-0.681
87	10	HDR unbiased	194.4	195.76	1.3581
94	30	HDR unbiased	192.37	195.09	2.7142
95	30	HDR unbiased	194.39	195.07	0.6809
97	30	HDR unbiased	192.37	194.4	2.036
98	30	HDR unbiased	195.07	195.75	0.679
99	30	HDR unbiased	197.11	198.47	1.3561
105	50	HDR unbiased	194.4	197.12	2.7161
107	50	HDR unbiased	194.42	197.8	3.3885
108	50	HDR unbiased	197.12	197.12	-0.0019
109	50	HDR unbiased	192.38	194.42	2.0371
110	50	HDR unbiased	195.09	196.44	1.3552
121	100	HDR biased	194.32	195.67	1.3561
123	100	HDR biased	192.97	197.04	4.0694
124	100	HDR biased	193.65	197.04	3.3922
125	100	HDR biased	195.67	193.63	-2.0389
126	100	HDR biased	195.67	197.02	1.3532
127	50	HDR biased	196.35	195.67	-0.678
128	50	HDR biased	195	196.36	1.358
129	50	HDR biased	194.99	194.99	0
130	50	HDR biased	195.68	195.68	-0.0028
132	50	HDR biased	196.35	196.35	0
149	100	HDR unbiased	194.41	195.09	0.6771
150	100	HDR unbiased	193.05	193.05	-0.0048
151	100	HDR unbiased	195.09	198.47	3.3856
152	100	HDR unbiased	195.08	196.44	1.3542
153	100	HDR unbiased	193.03	196.42	3.3893
164	30	HDR biased	192.96	190.92	-2.0371
165	30	HDR biased	196.35	194.31	-2.0371
166	30	HDR biased	195.68	197.03	1.3542
168	30	HDR biased	192.28	192.28	-0.0019
169	30	HDR biased	194.32	195.68	1.3552
170	10	HDR biased	192.96	193.64	0.6781
171	10	HDR biased	196.36	196.36	0
172	10	HDR biased	193.65	193.65	-0.001
173	10	HDR biased	194.99	195.67	0.6771
174	10	HDR biased	195.67	193.63	-2.0361
175	3	HDR biased	192.28	188.89	-3.3951
176	3	HDR biased	197.04	195.68	-1.358
178	3	HDR biased	195.68	195.68	0.001
179	3	HDR biased	192.29	193.64	1.3581
180	3	HDR biased	194.33	192.29	-2.0371
187	0	correlation	193.72	192.96	-0.763
188	0	correlation	193.72	196.35	2.6312
189	0	correlation	194.41	192.97	-1.442
190	0	correlation	194.41	192.29	-2.121
191	0	correlation	193.05	193.65	0.5951
192	0	correlation	195.76	193.64	-2.1228
193	0	correlation	194.4	193.64	-0.7629

TID vs Post - Pre Exposure Delta

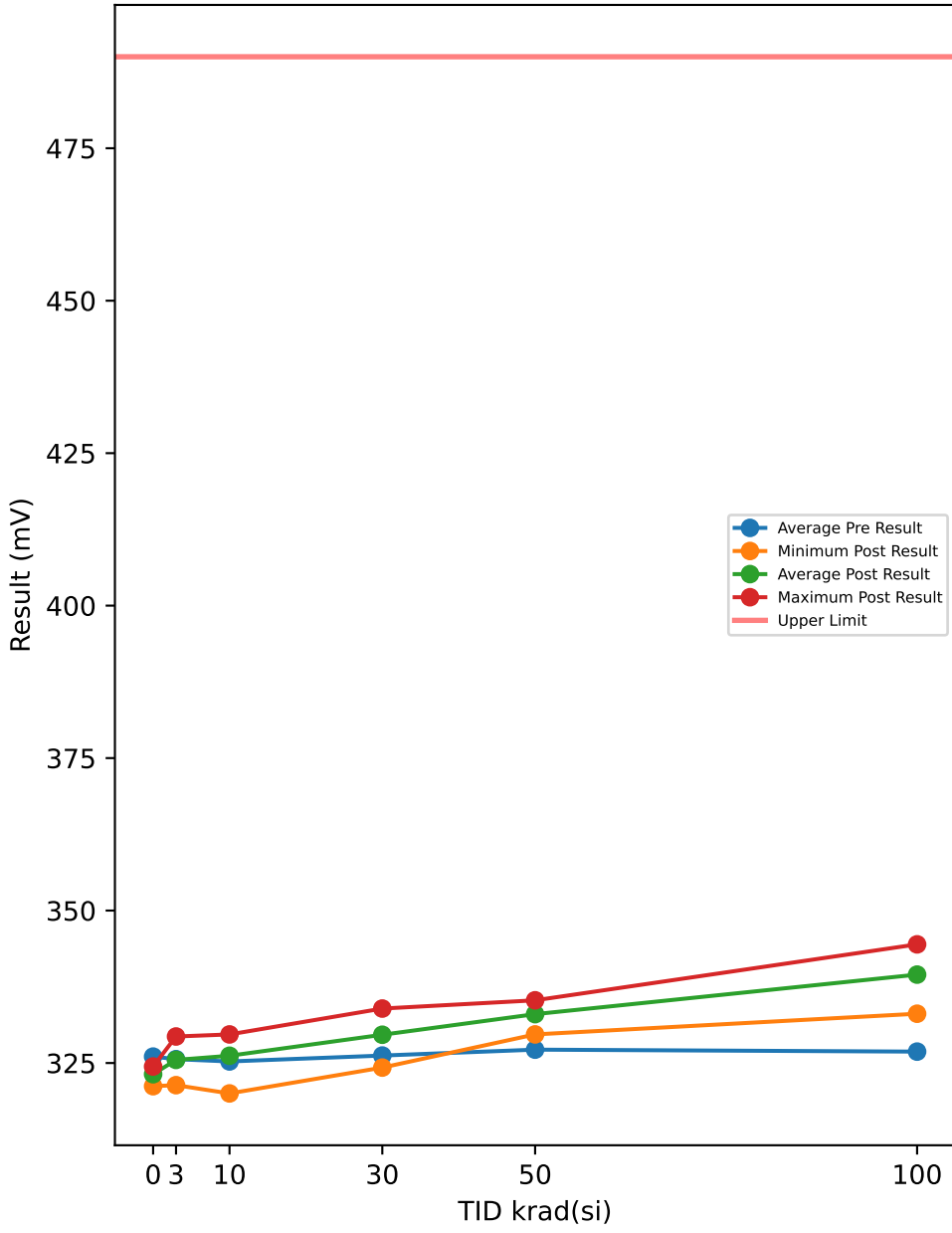


Test Statistics (mV)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	193.05	194.21	195.76	0.85156	192.29	193.64	196.35	1.2985	-2.1228	-0.56934	2.6312	1.6959
3	191.68	194.09	197.04	1.6646	188.89	194.57	197.79	2.5644	-3.3951	0.47561	4.7521	2.4385
10	192.96	194.84	196.44	1.3611	193.63	194.77	196.36	1.0743	-2.0361	-0.06809	2.0371	1.3367
30	192.28	194.29	197.11	1.762	190.92	194.9	198.47	2.16	-2.0371	0.60995	2.7142	1.582
50	192.38	195.18	197.12	1.3272	194.42	196.2	197.8	1.0307	-0.678	1.0172	3.3885	1.3663
100	192.97	194.29	195.67	1.0721	193.05	195.99	198.47	1.665	-2.0389	1.6933	4.0694	1.8992

Device Test: 17.45 VDO_1P5A(VIN|DROPOUT/OUT//3//1500//@VDO_1P5A)

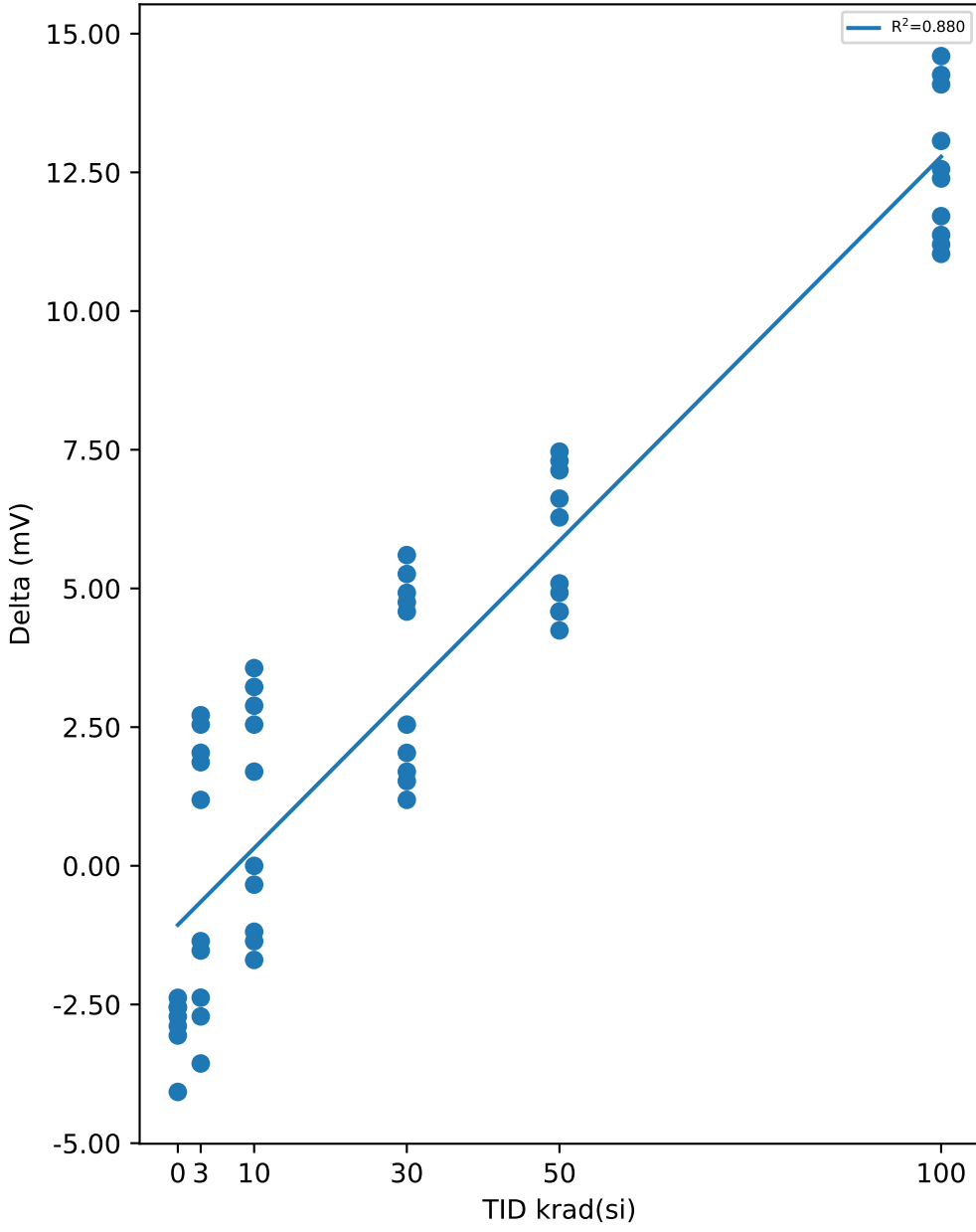
TID vs Result Stats



Test Results (Upper Limit = 490.0 (mV))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	326.29	329.01	2.7149
55	3	HDR unbiased	327.31	329.35	2.0368
57	3	HDR unbiased	325.45	327.99	2.5456
58	3	HDR unbiased	325.28	327.14	1.8668
59	3	HDR unbiased	324.6	325.78	1.188
82	10	HDR unbiased	327.31	329.01	1.6973
83	10	HDR unbiased	325.28	328.16	2.8858
84	10	HDR unbiased	325.27	328.5	3.2244
85	10	HDR unbiased	324.77	328.33	3.5638
87	10	HDR unbiased	327.14	329.69	2.5458
94	30	HDR unbiased	321.2	326.47	5.2604
95	30	HDR unbiased	322.56	328.16	5.6012
97	30	HDR unbiased	324.77	329.52	4.7517
98	30	HDR unbiased	328.33	332.91	4.5826
99	30	HDR unbiased	329.01	333.93	4.9212
105	50	HDR unbiased	326.97	333.25	6.2801
107	50	HDR unbiased	322.22	329.69	7.4664
108	50	HDR unbiased	325.45	332.74	7.2978
109	50	HDR unbiased	326.47	333.6	7.1285
110	50	HDR unbiased	327.99	334.61	6.6187
121	100	HDR biased	328.33	340.72	12.389
123	100	HDR biased	322.05	333.08	11.031
124	100	HDR biased	328.67	340.04	11.371
125	100	HDR biased	327.99	339.7	11.71
126	100	HDR biased	327.99	339.19	11.201
127	50	HDR biased	329.85	334.44	4.5829
128	50	HDR biased	328.67	333.25	4.5824
129	50	HDR biased	330.36	335.28	4.9222
130	50	HDR biased	325.44	330.53	5.0908
132	50	HDR biased	328.5	332.74	4.2434
149	100	HDR unbiased	330.2	344.46	14.256
150	100	HDR unbiased	322.22	335.29	13.068
151	100	HDR unbiased	327.31	341.4	14.086
152	100	HDR unbiased	326.12	340.72	14.596
153	100	HDR unbiased	327.82	340.38	12.558
164	30	HDR biased	323.06	324.25	1.1892
165	30	HDR biased	329.68	332.23	2.5451
166	30	HDR biased	328.5	330.53	2.0358
168	30	HDR biased	327.31	329.01	1.6973
169	30	HDR biased	327.82	329.35	1.5273
170	10	HDR biased	324.09	323.75	-0.3397
171	10	HDR biased	326.46	325.27	-1.1883
172	10	HDR biased	321.37	320.01	-1.3588
173	10	HDR biased	325.95	325.95	-0.0007
174	10	HDR biased	324.93	323.23	-1.6968
175	3	HDR biased	324.93	322.22	-2.7151
176	3	HDR biased	328.33	325.95	-2.3775
178	3	HDR biased	327.14	323.58	-3.5636
179	3	HDR biased	322.9	321.37	-1.5278
180	3	HDR biased	324.09	322.73	-1.3585
187	0	correlation	326.8	322.73	-4.0765
188	0	correlation	326.8	324.25	-2.5502
189	0	correlation	324.6	321.71	-2.8897
190	0	correlation	326.8	324.42	-2.3801
191	0	correlation	324.26	321.2	-3.0589
192	0	correlation	326.29	323.75	-2.5491
193	0	correlation	326.8	324.08	-2.7185

TID vs Post - Pre Exposure Delta

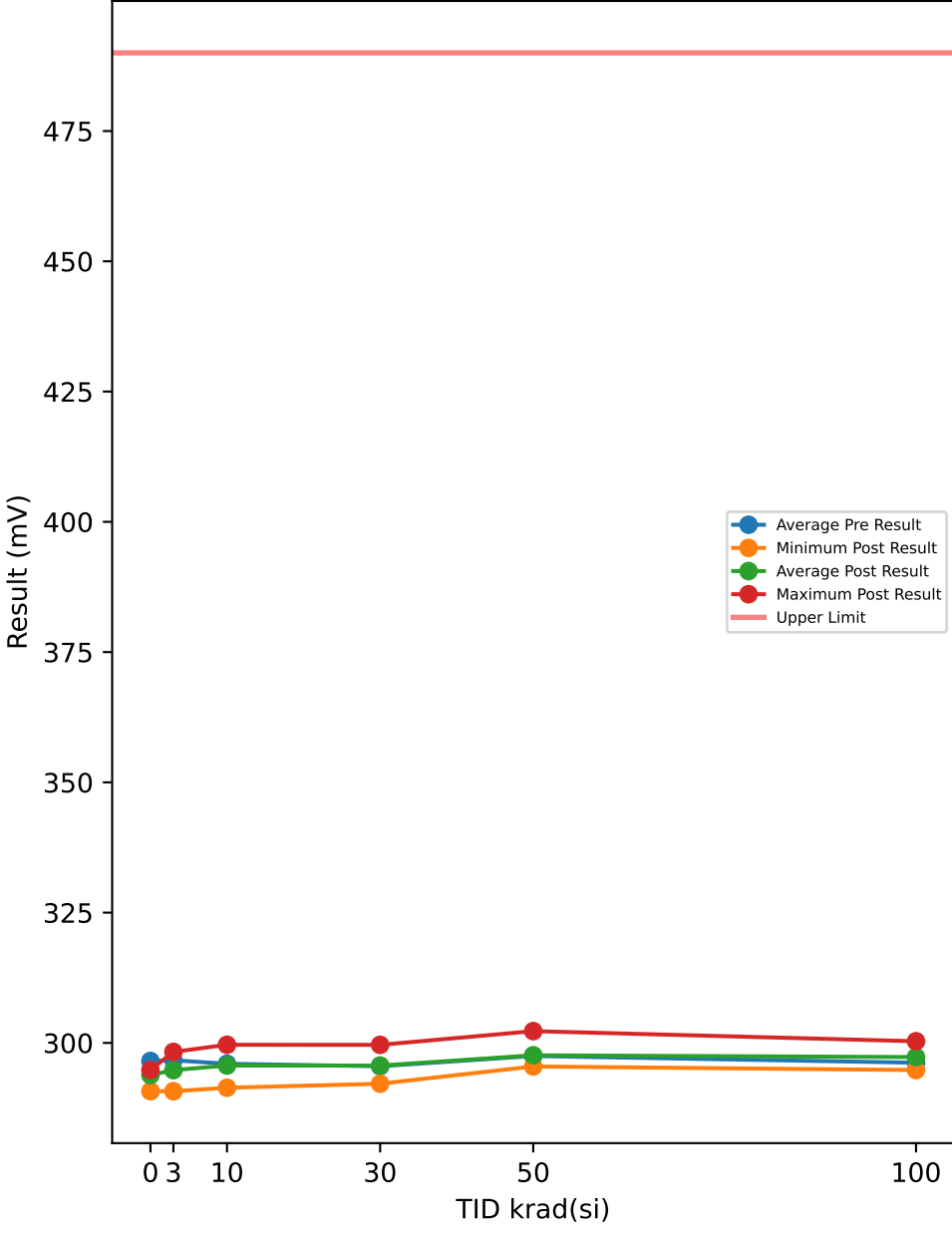


Test Statistics (mV)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	324.26	326.05	326.8	1.1286	321.2	323.16	324.42	1.2989	-4.0765	-2.889	-2.3801	0.57117
3	322.9	325.63	328.33	1.6466	321.37	325.51	329.35	2.8973	-3.5636	-0.11904	2.7149	2.4188
10	321.37	325.26	327.31	1.7169	320.01	326.19	329.69	3.1229	-1.6968	0.93328	3.5638	2.0637
30	321.2	326.22	329.68	3.0512	324.25	329.64	333.93	2.9514	1.1892	3.4112	5.6012	1.7553
50	322.22	327.19	330.36	2.4268	329.69	333.01	335.28	1.7486	4.2434	5.8213	7.4664	1.2624
100	322.05	326.87	330.2	2.6957	333.08	339.5	344.46	3.1839	11.031	12.627	14.596	1.3296

Device Test: 17.48 VDO_1P5A(VIN|DROPOUT/OUT//13.3//1500//@VDO_1P5A)

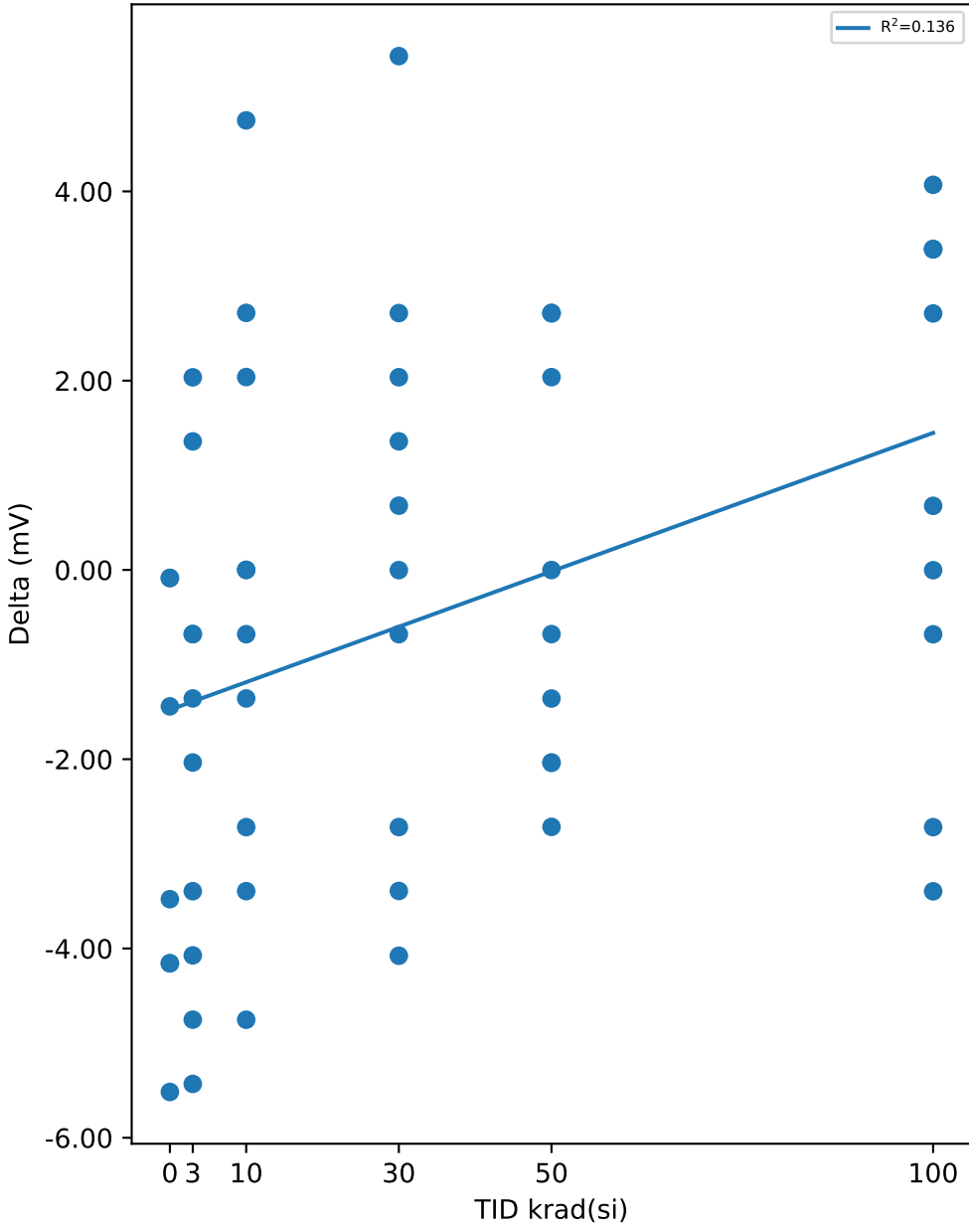
TID vs Result Stats



Test Results (Upper Limit = 490.0 (mV))

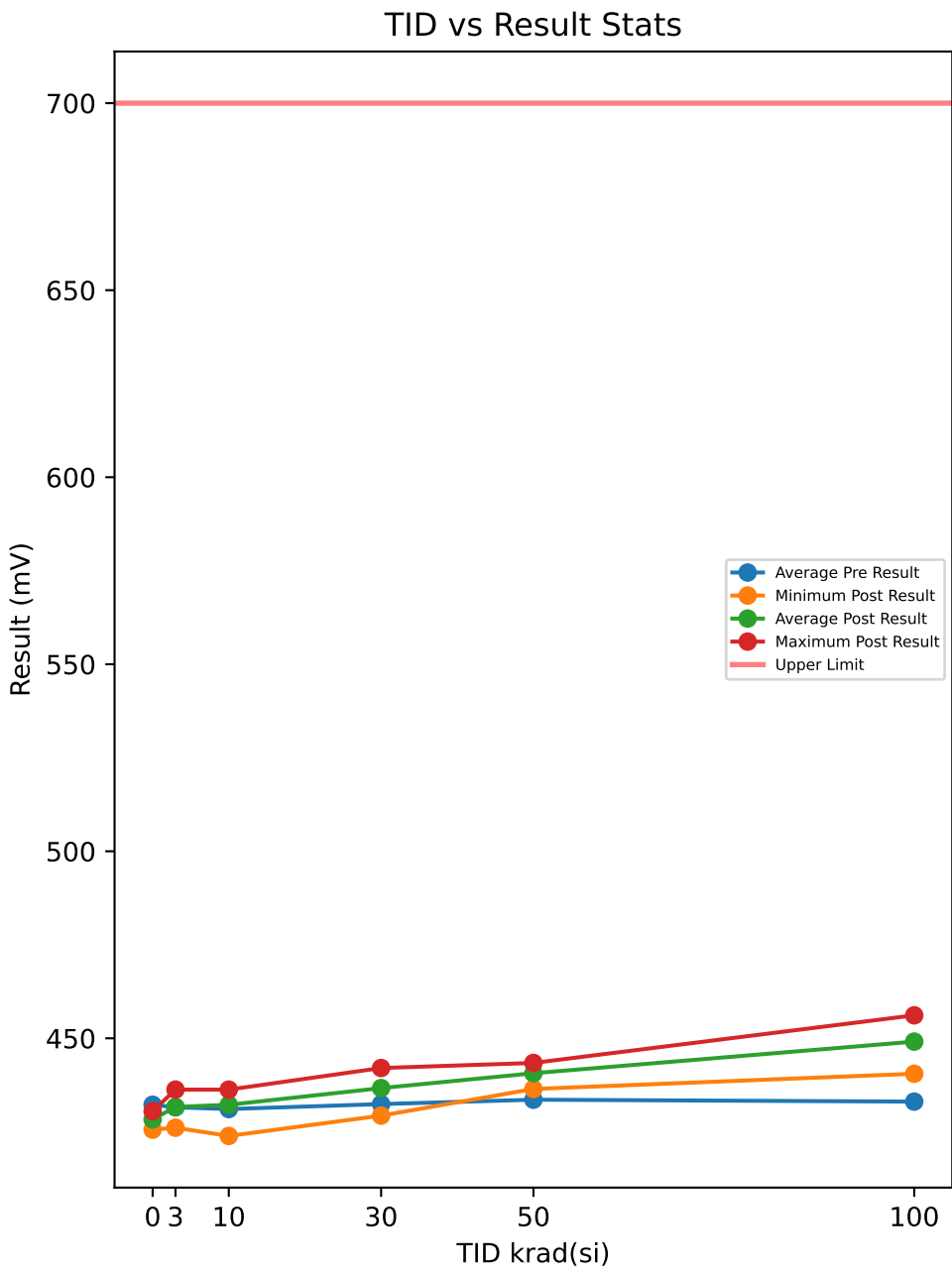
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	296.24	298.27	2.0351
55	3	HDR unbiased	294.88	294.2	-0.6781
57	3	HDR unbiased	296.24	297.6	1.358
58	3	HDR unbiased	296.91	294.88	-2.0351
59	3	HDR unbiased	299.62	295.55	-4.0731
82	10	HDR unbiased	297.6	299.63	2.038
83	10	HDR unbiased	294.89	297.6	2.7161
84	10	HDR unbiased	295.55	295.55	0.001
85	10	HDR unbiased	292.84	297.59	4.7503
87	10	HDR unbiased	296.23	296.23	0
94	30	HDR unbiased	292.85	298.28	5.4293
95	30	HDR unbiased	294.19	295.55	1.3589
97	30	HDR unbiased	292.16	292.16	-0.0019
98	30	HDR unbiased	296.91	299.62	2.7141
99	30	HDR unbiased	296.91	298.95	2.0361
105	50	HDR unbiased	295.56	298.27	2.7151
107	50	HDR unbiased	294.21	296.92	2.7113
108	50	HDR unbiased	294.88	297.59	2.7142
109	50	HDR unbiased	296.93	296.93	-0.001
110	50	HDR unbiased	299.63	298.28	-1.359
121	100	HDR biased	295.47	296.15	0.6772
123	100	HDR biased	294.81	294.8	-0.0028
124	100	HDR biased	295.48	294.8	-0.68
125	100	HDR biased	298.18	294.78	-3.3961
126	100	HDR biased	301.58	298.86	-2.718
127	50	HDR biased	299.54	296.82	-2.7151
128	50	HDR biased	296.16	295.48	-0.678
129	50	HDR biased	298.18	296.14	-2.0342
130	50	HDR biased	299.55	297.51	-2.0389
132	50	HDR biased	300.22	302.26	2.0371
149	100	HDR unbiased	296.92	300.31	3.3922
150	100	HDR unbiased	293.53	296.92	3.3903
151	100	HDR unbiased	294.2	297.59	3.3864
152	100	HDR unbiased	294.88	298.95	4.0693
153	100	HDR unbiased	296.9	299.61	2.7103
164	30	HDR biased	296.82	293.43	-3.3923
165	30	HDR biased	296.14	296.82	0.679
166	30	HDR biased	298.19	294.11	-4.077
168	30	HDR biased	294.11	293.44	-0.679
169	30	HDR biased	296.83	294.12	-2.717
170	10	HDR biased	294.8	293.44	-1.358
171	10	HDR biased	300.23	296.83	-3.3942
172	10	HDR biased	294.81	292.09	-2.7179
173	10	HDR biased	296.14	291.39	-4.7531
174	10	HDR biased	296.82	296.14	-0.679
175	3	HDR biased	293.43	292.75	-0.678
176	3	HDR biased	299.55	296.16	-3.3951
178	3	HDR biased	298.87	293.44	-5.4312
179	3	HDR biased	295.48	290.72	-4.7522
180	3	HDR biased	295.48	294.12	-1.358
187	0	correlation	296.91	292.76	-4.1561
188	0	correlation	294.88	294.79	-0.0839
189	0	correlation	294.88	294.8	-0.0858
190	0	correlation	296.24	294.8	-1.442
191	0	correlation	296.24	290.73	-5.5161
192	0	correlation	298.28	294.12	-4.1571
193	0	correlation	298.27	294.79	-3.479

TID vs Post - Pre Exposure Delta

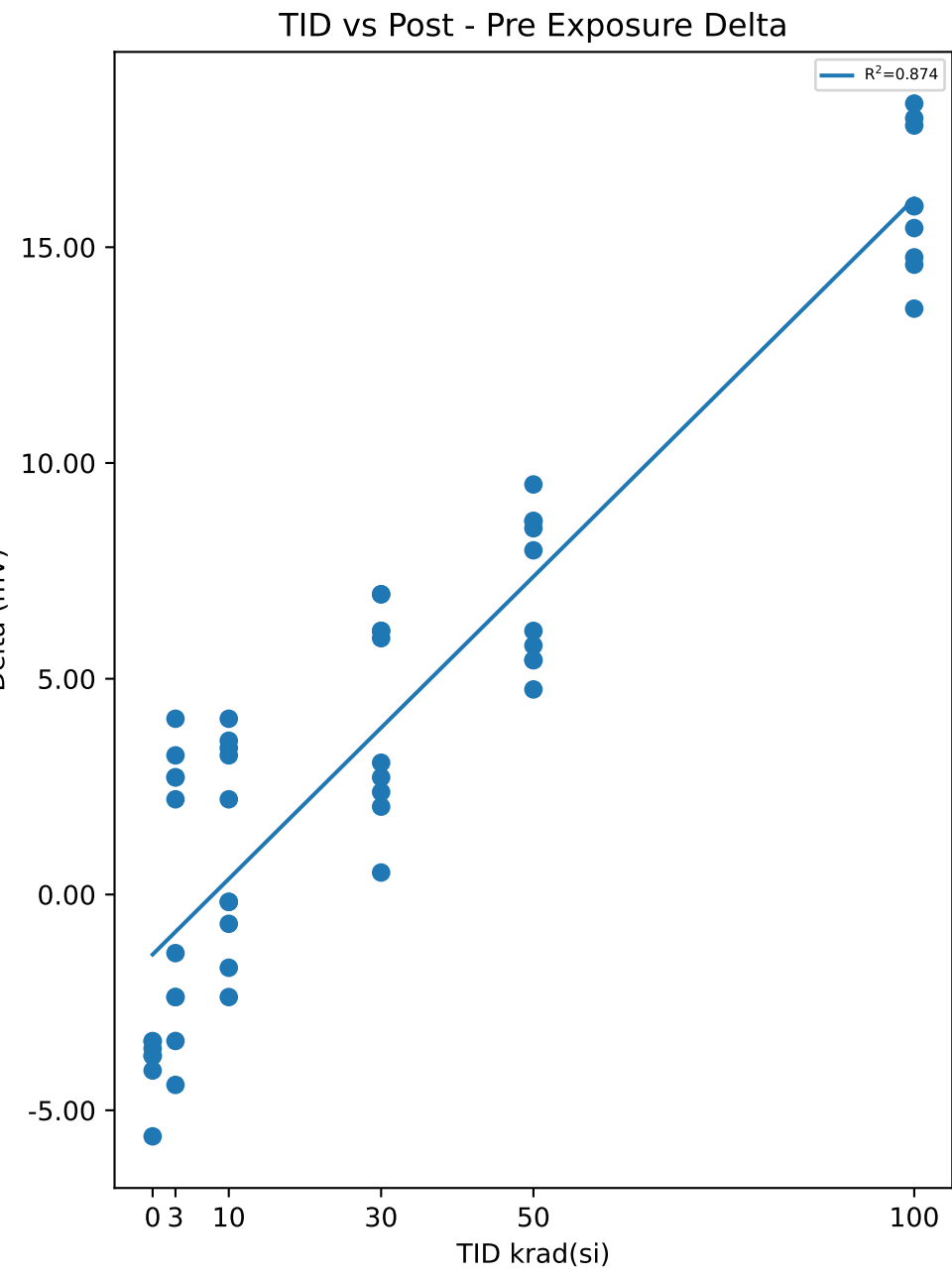


Test Statistics (mV)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	294.88	296.53	298.28	1.4041	290.73	293.83	294.8	1.5597	-5.5161	-2.7029	-0.0839	2.1618
3	293.43	296.67	299.62	2.0775	290.72	294.77	298.27	2.2548	-5.4312	-1.9008	2.0351	2.5157
10	292.84	295.99	300.23	1.9856	291.39	295.65	299.63	2.6069	-4.7531	-0.33968	4.7503	2.9202
30	292.16	295.51	298.19	2.0262	292.16	295.65	299.62	2.6164	-4.077	0.13502	5.4293	2.9644
50	294.21	297.49	300.22	2.22	295.48	297.62	302.26	1.8478	-2.7151	0.13515	2.7151	2.2118
100	293.53	296.19	301.58	2.3497	294.78	297.28	300.31	2.1064	-3.3961	1.0829	4.0693	2.718



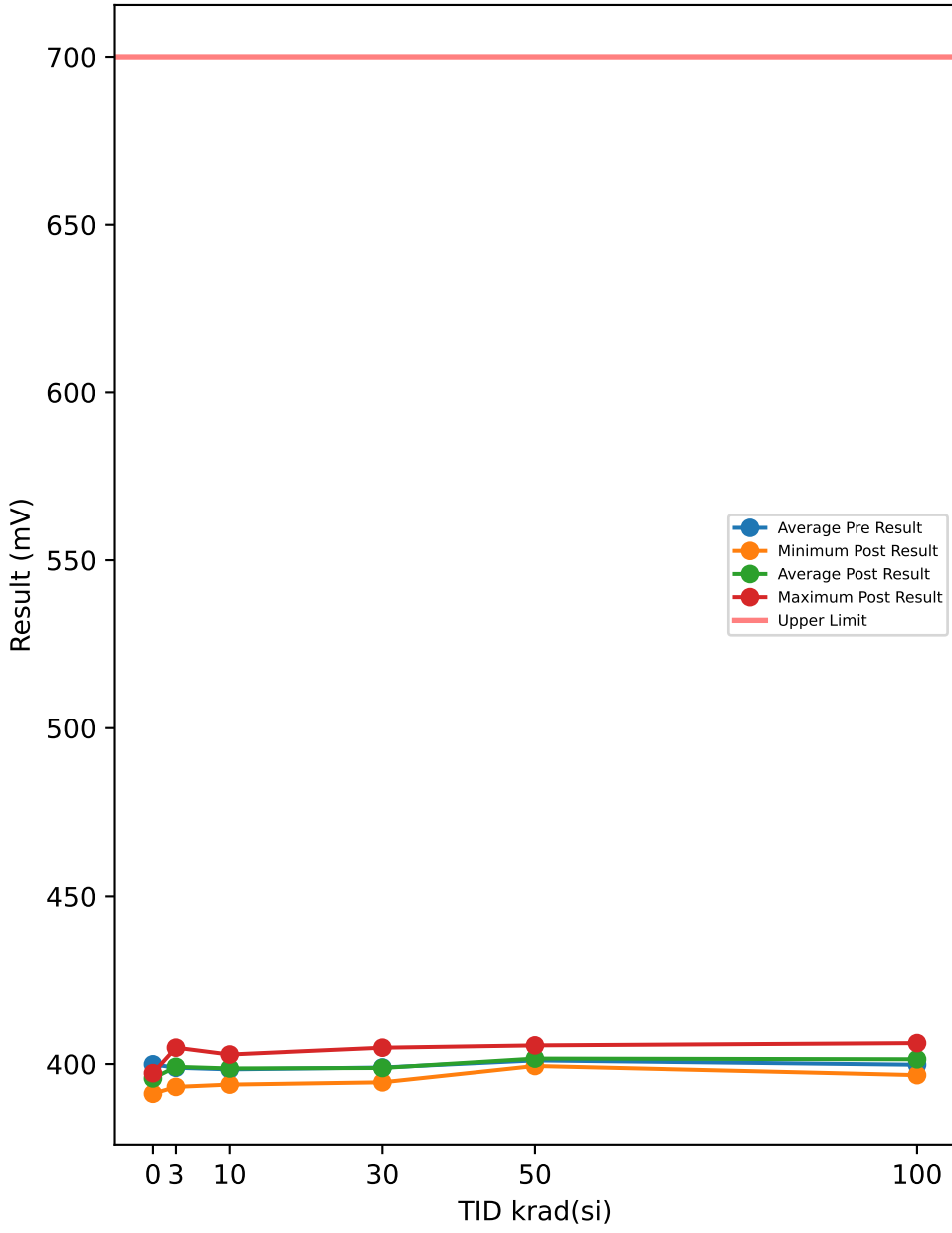
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	432.55	435.26	2.7149
55	3	HDR unbiased	433.57	436.28	2.7156
57	3	HDR unbiased	431.36	435.43	4.0733
58	3	HDR unbiased	430.68	433.91	3.2246
59	3	HDR unbiased	430.17	432.38	2.2063
82	10	HDR unbiased	433.74	435.94	2.2063
83	10	HDR unbiased	430.68	434.76	4.0734
84	10	HDR unbiased	431.7	435.26	3.5639
85	10	HDR unbiased	431.19	434.58	3.3942
87	10	HDR unbiased	433.06	436.28	3.2244
94	30	HDR unbiased	425.59	432.55	6.9575
95	30	HDR unbiased	428.3	435.26	6.9582
97	30	HDR unbiased	430.51	436.45	5.9399
98	30	HDR unbiased	435.09	441.2	6.1095
99	30	HDR unbiased	435.94	442.05	6.1094
105	50	HDR unbiased	432.89	441.37	8.487
107	50	HDR unbiased	426.95	436.45	9.5022
108	50	HDR unbiased	431.7	440.36	8.6551
109	50	HDR unbiased	432.72	440.7	7.9765
110	50	HDR unbiased	434.76	443.41	8.6546
121	100	HDR biased	434.75	450.7	15.953
123	100	HDR biased	426.95	440.52	13.577
124	100	HDR biased	434.92	450.37	15.444
125	100	HDR biased	434.58	449.17	14.595
126	100	HDR biased	434.41	449.18	14.765
127	50	HDR biased	436.79	442.22	5.4307
128	50	HDR biased	435.6	441.03	5.4311
129	50	HDR biased	437.46	443.23	5.7704
130	50	HDR biased	431.36	437.47	6.109
132	50	HDR biased	435.6	440.35	4.7527
149	100	HDR unbiased	437.81	456.14	18.329
150	100	HDR unbiased	426.95	442.9	15.952
151	100	HDR unbiased	433.57	451.56	17.989
152	100	HDR unbiased	432.38	450.2	17.82
153	100	HDR unbiased	434.41	450.36	15.953
164	30	HDR biased	428.81	429.32	0.5095
165	30	HDR biased	437.29	440.35	3.0542
166	30	HDR biased	434.75	437.47	2.7142
168	30	HDR biased	433.56	435.94	2.3756
169	30	HDR biased	434.24	436.28	2.0359
170	10	HDR biased	429.49	429.32	-0.1705
171	10	HDR biased	432.04	431.36	-0.6788
172	10	HDR biased	426.27	423.89	-2.3763
173	10	HDR biased	432.03	431.86	-0.171
174	10	HDR biased	430.67	428.98	-1.6968
175	3	HDR biased	431.19	427.79	-3.3941
176	3	HDR biased	434.92	432.55	-2.3773
178	3	HDR biased	433.39	428.98	-4.4117
179	3	HDR biased	428.47	426.1	-2.3765
180	3	HDR biased	429.15	427.79	-1.358
187	0	correlation	433.23	427.62	-5.604
188	0	correlation	433.06	429.66	-3.3986
189	0	correlation	430.68	426.6	-4.078
190	0	correlation	433.91	430.51	-3.3987
191	0	correlation	429.32	425.59	-3.7379
192	0	correlation	432.55	428.81	-3.7372
193	0	correlation	432.89	429.32	-3.5675



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	429.32	432.23	433.91	1.6256	425.59	428.3	430.51	1.7661	-5.604	-3.9317	-3.3986	0.77398
3	428.47	431.55	434.92	2.0515	426.1	431.65	436.28	3.6963	-4.4117	0.10171	4.0733	3.1733
10	426.27	431.09	433.74	2.0867	423.89	432.22	436.28	3.9551	-2.3763	1.1369	4.0734	2.4083
30	425.59	432.41	437.29	3.8532	429.32	436.69	442.05	3.9072	0.5095	4.2764	6.9582	2.3717
50	426.95	433.58	437.46	3.1365	436.45	440.66	443.41	2.2447	4.7527	7.0769	9.5022	1.736
100	426.95	433.07	437.81	3.5005	440.52	449.11	456.14	4.4039	13.577	16.038	18.329	1.5764

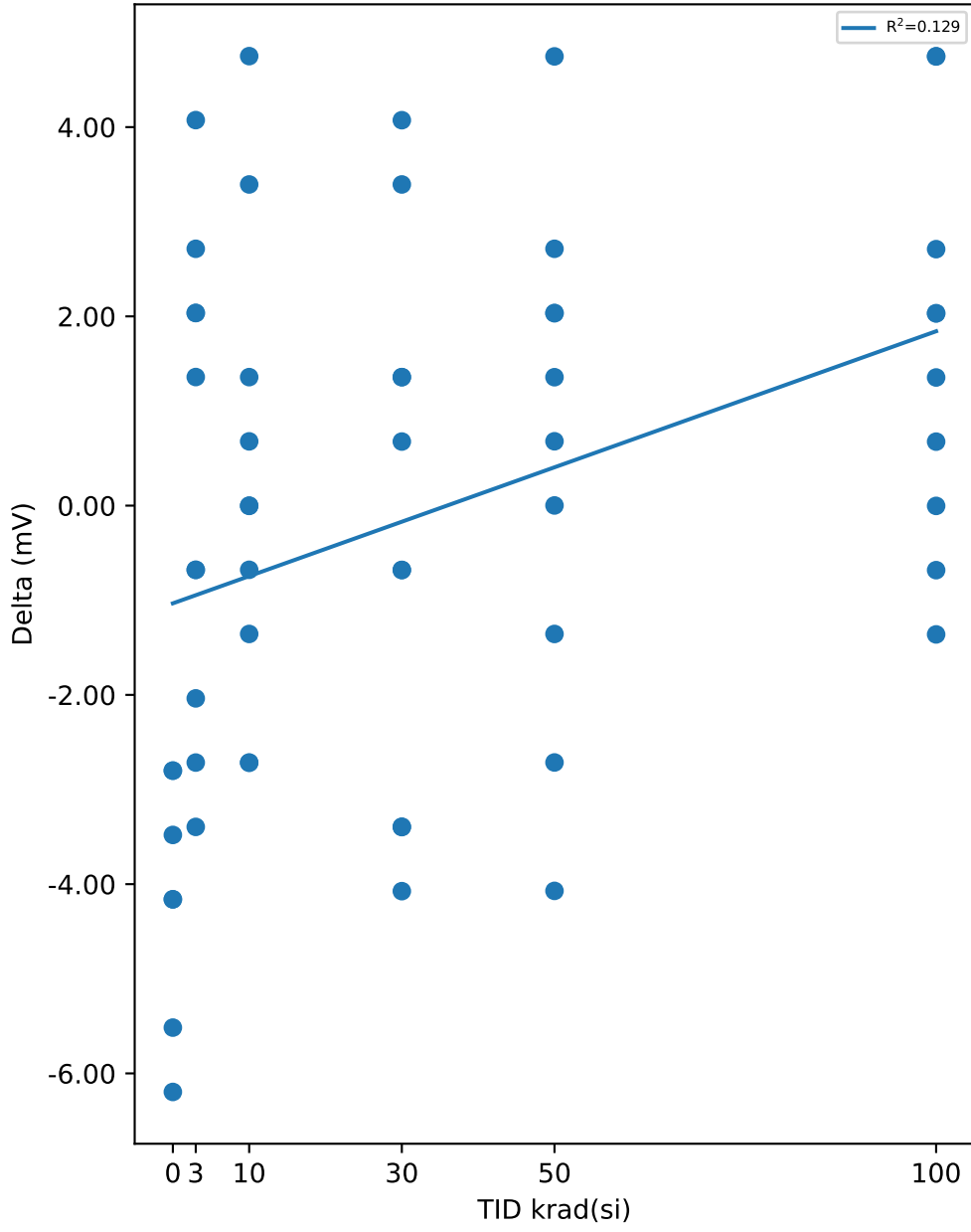
TID vs Result Stats



Test Results (Upper Limit = 700.0 (mV))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	402.14	404.85	2.7142
55	3	HDR unbiased	398.74	400.78	2.0361
57	3	HDR unbiased	398.75	400.11	1.3589
58	3	HDR unbiased	396.03	400.1	4.0741
59	3	HDR unbiased	399.42	401.45	2.0352
82	10	HDR unbiased	401.46	402.82	1.358
83	10	HDR unbiased	398.08	401.47	3.3941
84	10	HDR unbiased	398.74	399.42	0.679
85	10	HDR unbiased	397.38	402.13	4.7502
87	10	HDR unbiased	398.74	398.74	0
94	30	HDR unbiased	394.68	396.04	1.358
95	30	HDR unbiased	396.7	400.77	4.0731
97	30	HDR unbiased	395.35	396.03	0.6771
98	30	HDR unbiased	402.13	401.45	-0.679
99	30	HDR unbiased	401.46	404.85	3.3941
105	50	HDR unbiased	401.46	402.14	0.68
107	50	HDR unbiased	394.68	399.43	4.7474
108	50	HDR unbiased	400.1	402.14	2.0352
109	50	HDR unbiased	400.12	401.48	1.3571
110	50	HDR unbiased	402.82	405.54	2.7142
121	100	HDR biased	399.34	400.01	0.6762
123	100	HDR biased	396.64	398.67	2.0332
124	100	HDR biased	400.03	399.34	-0.6819
125	100	HDR biased	402.05	400.69	-1.3609
126	100	HDR biased	403.41	403.4	-0.0029
127	50	HDR biased	402.05	400.69	-1.3562
128	50	HDR biased	400.7	400.7	0.0019
129	50	HDR biased	404.08	400.01	-4.0712
130	50	HDR biased	401.38	403.41	2.0333
132	50	HDR biased	403.41	400.69	-2.7142
149	100	HDR unbiased	401.47	406.22	4.7493
150	100	HDR unbiased	394	396.71	2.7104
151	100	HDR unbiased	399.43	404.17	4.7464
152	100	HDR unbiased	400.1	402.14	2.0313
153	100	HDR unbiased	401.45	402.8	1.3542
164	30	HDR biased	397.98	394.58	-3.3932
165	30	HDR biased	400.69	402.05	1.358
166	30	HDR biased	401.38	397.98	-3.397
168	30	HDR biased	400.7	396.62	-4.0741
169	30	HDR biased	398.66	397.98	-0.681
170	10	HDR biased	396.62	393.91	-2.7151
171	10	HDR biased	400.7	399.34	-1.3561
172	10	HDR biased	395.28	395.27	-0.0028
173	10	HDR biased	397.97	395.26	-2.7171
174	10	HDR biased	399.33	398.65	-0.678
175	3	HDR biased	397.98	397.3	-0.6781
176	3	HDR biased	402.06	400.02	-2.037
178	3	HDR biased	400.7	400.02	-0.6791
179	3	HDR biased	395.95	393.23	-2.7152
180	3	HDR biased	397.31	393.92	-3.3951
187	0	correlation	398.74	395.94	-2.8
188	0	correlation	402.14	396.62	-5.5161
189	0	correlation	400.79	396.63	-4.16
190	0	correlation	400.11	395.95	-4.1608
191	0	correlation	397.39	391.2	-6.196
192	0	correlation	399.43	396.63	-2.801
193	0	correlation	400.78	397.3	-3.48

TID vs Post - Pre Exposure Delta

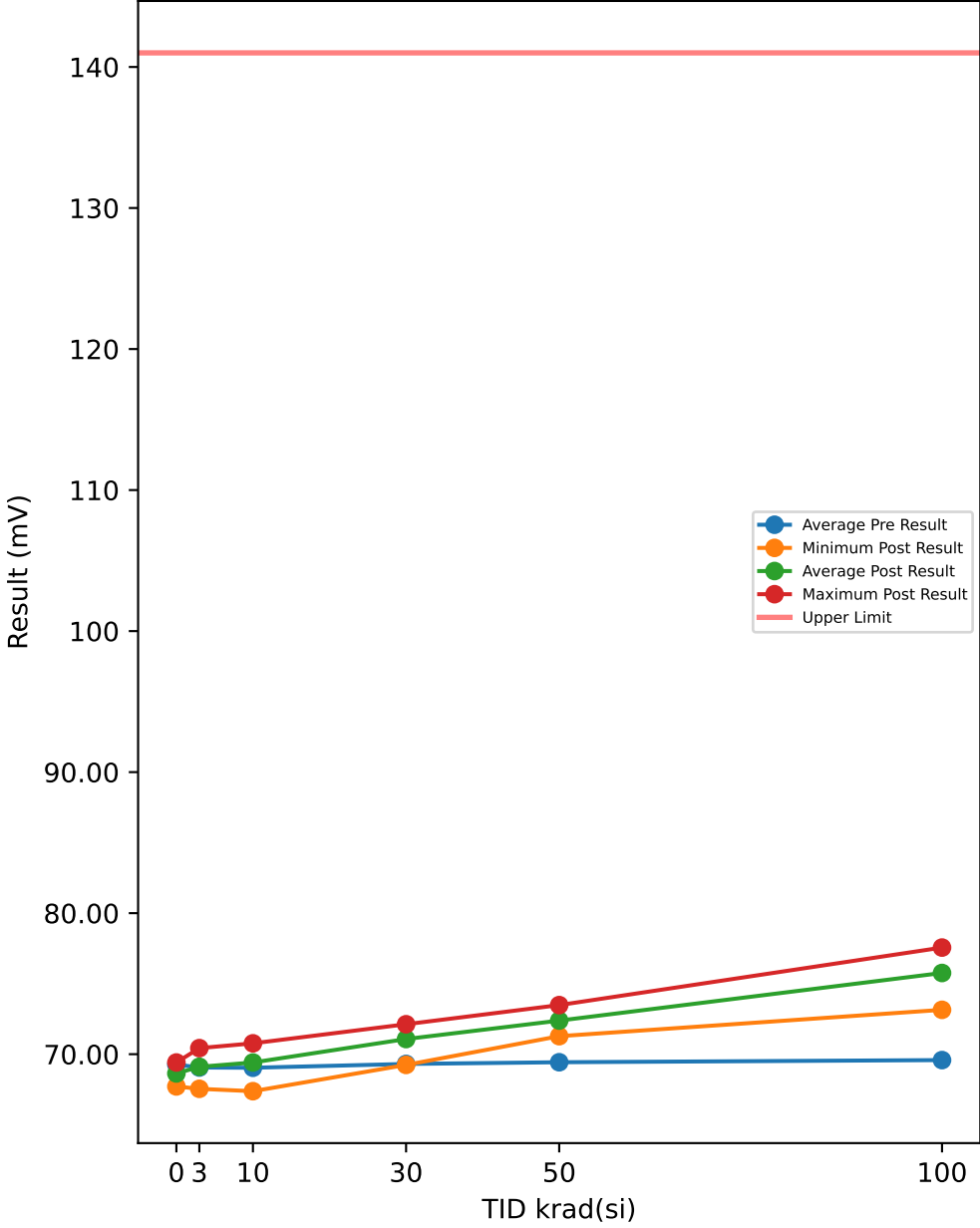


Test Statistics (mV)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	397.39	399.91	402.14	1.5523	391.2	395.75	397.3	2.0615	-6.196	-4.1591	-2.8	1.3002
3	395.95	398.91	402.14	2.2207	393.23	399.18	404.85	3.4908	-3.3951	0.2714	4.0741	2.5239
10	395.28	398.43	401.46	1.8253	393.91	398.7	402.82	3.0536	-2.7171	0.27122	4.7502	2.42
30	394.68	398.97	402.13	2.7004	394.58	398.84	404.85	3.2867	-4.0741	-0.1364	4.0731	2.8411
50	394.68	401.08	404.08	2.6151	399.43	401.62	405.54	1.797	-4.0712	0.54275	4.7474	2.6525
100	394	399.79	403.41	2.7417	396.71	401.42	406.22	2.8571	-1.3609	1.6255	4.7493	2.0783

Device Test: 17.6 VDO_250MA_LV(VIN|DROPOUT/OUT//2.25//250//@VDO_250MA_LV)

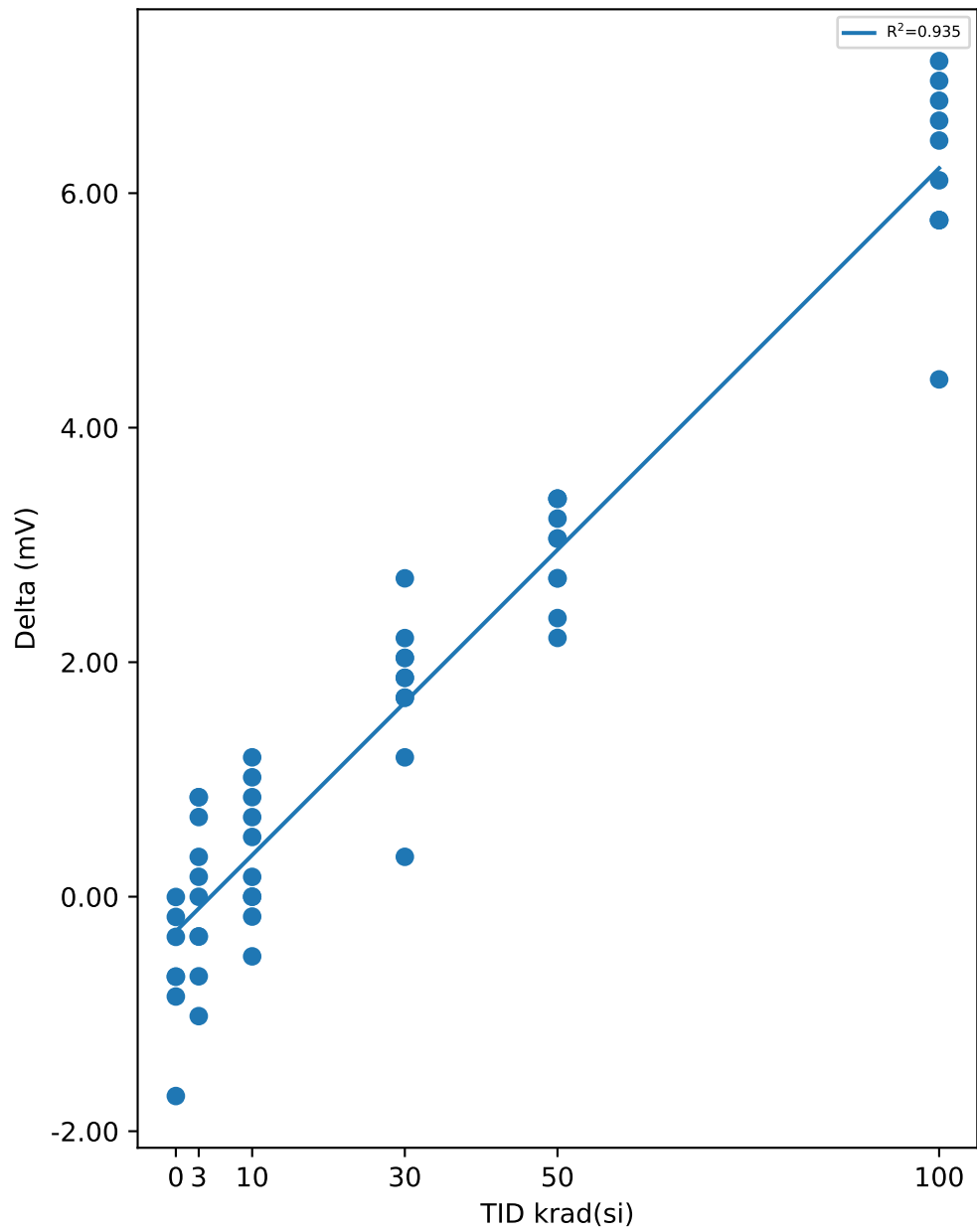
TID vs Result Stats



Test Results (Upper Limit = 141.0 (mV))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	69.243	70.091	0.8483
55	3	HDR unbiased	69.582	70.431	0.8486
57	3	HDR unbiased	69.074	69.753	0.6793
58	3	HDR unbiased	69.751	69.921	0.1698
59	3	HDR unbiased	68.902	69.242	0.3395
82	10	HDR unbiased	69.753	70.432	0.6785
83	10	HDR unbiased	68.566	69.415	0.8488
84	10	HDR unbiased	69.072	69.581	0.5093
85	10	HDR unbiased	69.412	70.43	1.0183
87	10	HDR unbiased	69.582	70.77	1.1885
94	30	HDR unbiased	68.056	69.923	1.867
95	30	HDR unbiased	68.392	70.09	1.6975
97	30	HDR unbiased	68.734	71.45	2.7151
98	30	HDR unbiased	69.92	71.957	2.037
99	30	HDR unbiased	69.921	71.788	1.8668
105	50	HDR unbiased	69.413	72.808	3.3949
107	50	HDR unbiased	68.227	71.281	3.0541
108	50	HDR unbiased	68.565	71.959	3.3943
109	50	HDR unbiased	69.586	72.64	3.0548
110	50	HDR unbiased	69.753	73.147	3.3942
121	100	HDR biased	70.258	76.029	5.7707
123	100	HDR biased	68.734	73.145	4.4117
124	100	HDR biased	70.091	75.861	5.7702
125	100	HDR biased	69.748	75.858	6.1097
126	100	HDR biased	69.239	75.688	6.449
127	50	HDR biased	70.088	72.464	2.3761
128	50	HDR biased	69.751	72.976	3.2248
129	50	HDR biased	70.766	73.482	2.7159
130	50	HDR biased	68.563	71.278	2.7149
132	50	HDR biased	69.579	71.786	2.2071
149	100	HDR unbiased	70.602	77.56	6.9582
150	100	HDR unbiased	68.057	73.827	5.7698
151	100	HDR unbiased	69.753	76.88	7.1268
152	100	HDR unbiased	69.753	76.371	6.6183
153	100	HDR unbiased	69.58	76.368	6.7887
164	30	HDR biased	68.9	69.24	0.34
165	30	HDR biased	70.427	72.124	1.6973
166	30	HDR biased	69.581	71.786	2.2056
168	30	HDR biased	69.919	71.107	1.1882
169	30	HDR biased	69.241	71.277	2.0361
170	10	HDR biased	68.562	68.562	0
171	10	HDR biased	69.071	69.071	0
172	10	HDR biased	67.885	67.376	-0.5088
173	10	HDR biased	69.409	69.578	0.169
174	10	HDR biased	69.068	68.899	-0.1695
175	3	HDR biased	69.24	68.221	-1.0185
176	3	HDR biased	69.242	69.242	-0.0007
178	3	HDR biased	69.071	68.732	-0.3395
179	3	HDR biased	68.223	67.883	-0.3392
180	3	HDR biased	68.224	67.545	-0.6791
187	0	correlation	69.921	68.221	-1.7
188	0	correlation	69.582	68.73	-0.8513
189	0	correlation	68.565	67.883	-0.6816
190	0	correlation	69.753	69.411	-0.3426
191	0	correlation	68.395	67.713	-0.6819
192	0	correlation	69.243	69.241	-0.0026
193	0	correlation	69.412	69.24	-0.1724

TID vs Post - Pre Exposure Delta

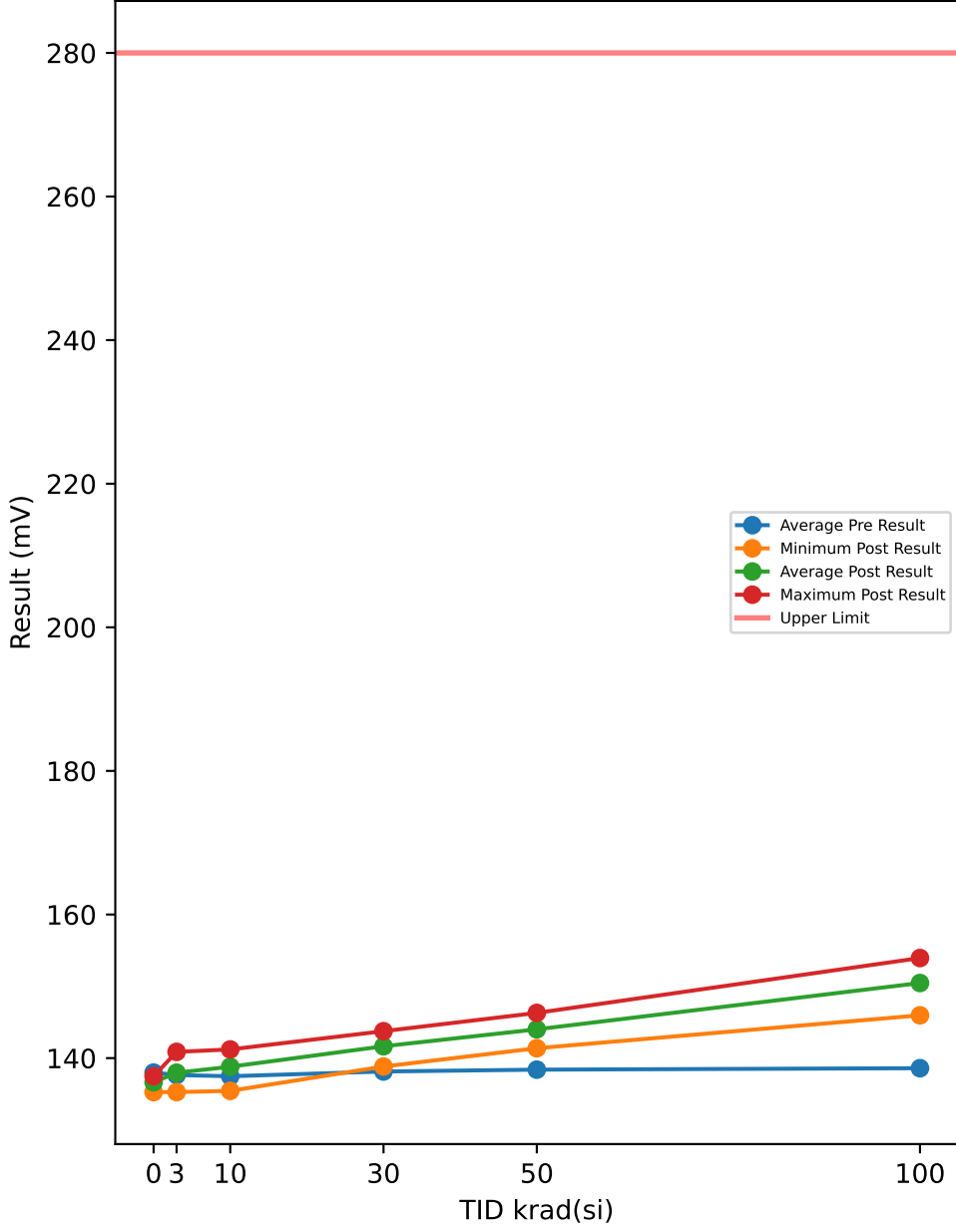


Test Statistics (mV)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	68.395	69.267	69.921	0.58277	67.713	68.634	69.411	0.69864	-1.7	-0.6332	-0.0026	0.56047
3	68.223	69.055	69.751	0.50279	67.545	69.106	70.431	0.98329	-1.0185	0.05085	0.8486	0.64535
10	67.885	69.038	69.753	0.56439	67.376	69.411	70.77	1.0124	-0.5088	0.37341	1.1885	0.55892
30	68.056	69.309	70.427	0.7714	69.24	71.074	72.124	0.98549	0.34	1.7651	2.7151	0.63574
50	68.227	69.429	70.766	0.77588	71.278	72.382	73.482	0.77224	2.2071	2.9531	3.3949	0.43221
100	68.057	69.581	70.602	0.74584	73.145	75.759	77.56	1.3296	4.4117	6.1773	7.1268	0.80087

Device Test: 17.9 VDO_500MA_LV(VIN|DROPOUT/OUT//2.25//500//@VDO_500MA_LV)

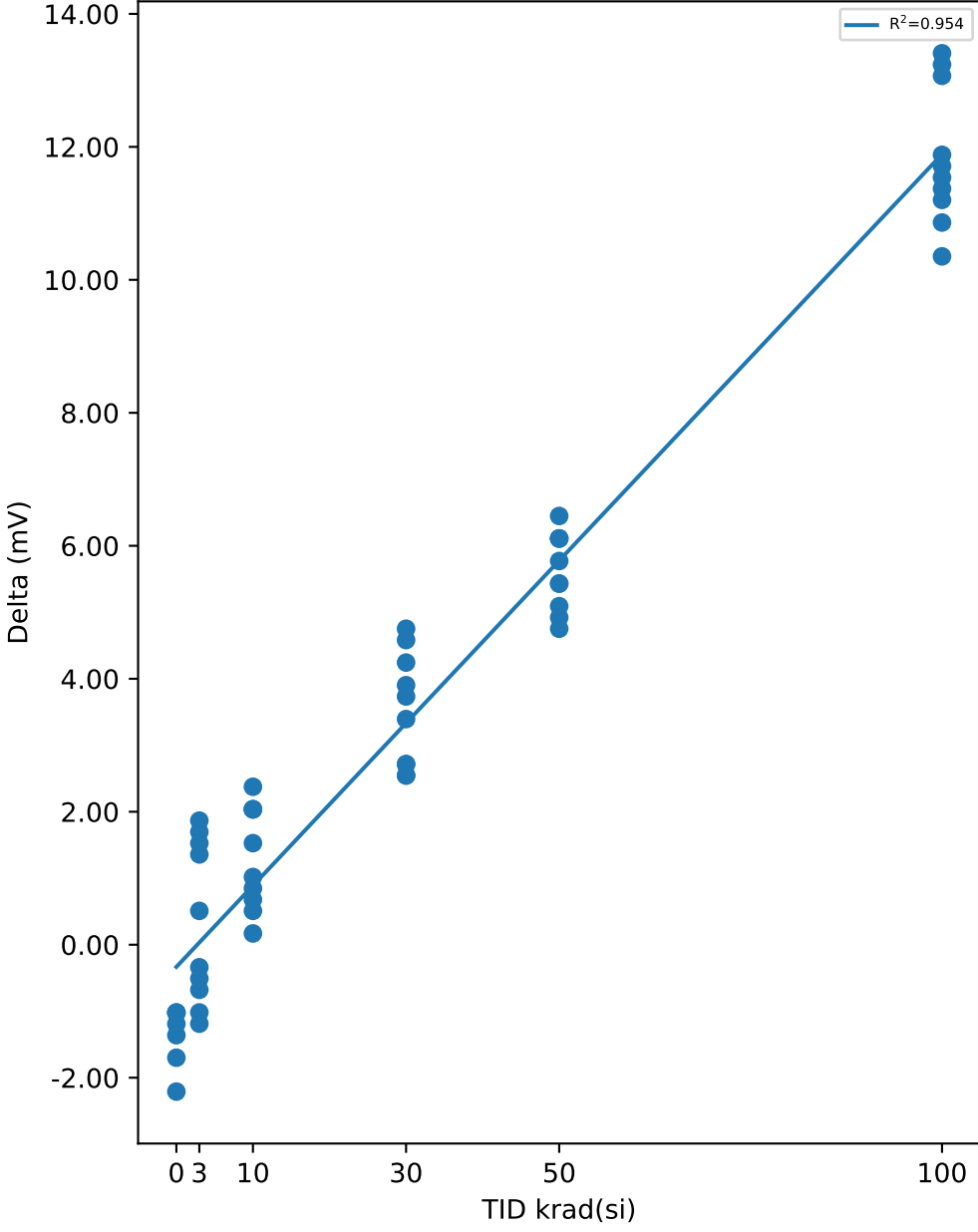
TID vs Result Stats



Test Results (Upper Limit = 280.0 (mV))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	138.33	139.68	1.3578
55	3	HDR unbiased	139.17	140.87	1.697
57	3	HDR unbiased	137.82	139.34	1.5275
58	3	HDR unbiased	137.65	139.51	1.8665
59	3	HDR unbiased	137.64	138.15	0.5091
82	10	HDR unbiased	138.67	140.19	1.5278
83	10	HDR unbiased	137.31	139.35	2.0366
84	10	HDR unbiased	138.15	140.53	2.3758
85	10	HDR unbiased	137.98	140.02	2.0363
87	10	HDR unbiased	139.17	141.21	2.0368
94	30	HDR unbiased	135.27	139.17	3.9036
95	30	HDR unbiased	135.78	140.53	4.7524
97	30	HDR unbiased	137.65	142.23	4.5824
98	30	HDR unbiased	139	143.25	4.2437
99	30	HDR unbiased	139.34	143.08	3.7334
105	50	HDR unbiased	138.49	144.27	5.7712
107	50	HDR unbiased	135.44	141.89	6.448
108	50	HDR unbiased	137.14	143.25	6.1102
109	50	HDR unbiased	138.16	144.27	6.11
110	50	HDR unbiased	139.17	145.28	6.1097
121	100	HDR biased	139.85	151.56	11.711
123	100	HDR biased	135.61	145.96	10.353
124	100	HDR biased	139.68	150.88	11.202
125	100	HDR biased	138.83	150.2	11.372
126	100	HDR biased	139	149.86	10.862
127	50	HDR biased	139.85	144.94	5.0919
128	50	HDR biased	139.68	145.11	5.4317
129	50	HDR biased	140.87	146.3	5.4312
130	50	HDR biased	136.46	141.38	4.9217
132	50	HDR biased	138.66	143.41	4.7526
149	100	HDR unbiased	140.87	153.94	13.068
150	100	HDR unbiased	135.61	147.15	11.54
151	100	HDR unbiased	139	152.24	13.237
152	100	HDR unbiased	138.5	151.9	13.408
153	100	HDR unbiased	139	150.88	11.88
164	30	HDR biased	136.11	138.83	2.7161
165	30	HDR biased	141.04	143.75	2.7154
166	30	HDR biased	139.17	142.57	3.3937
168	30	HDR biased	138.83	141.38	2.5458
169	30	HDR biased	139.17	141.72	2.5454
170	10	HDR biased	136.12	137.13	1.0181
171	10	HDR biased	137.3	137.81	0.5093
172	10	HDR biased	134.76	135.44	0.6791
173	10	HDR biased	138.15	139	0.8485
174	10	HDR biased	137.13	137.3	0.1698
175	3	HDR biased	136.96	136.29	-0.6785
176	3	HDR biased	139	137.98	-1.0186
178	3	HDR biased	137.64	136.46	-1.1878
179	3	HDR biased	135.61	135.27	-0.3392
180	3	HDR biased	136.63	136.12	-0.5093
187	0	correlation	138.83	136.62	-2.2092
188	0	correlation	138.66	137.3	-1.3608
189	0	correlation	136.46	135.27	-1.1906
190	0	correlation	138.5	137.47	-1.0209
191	0	correlation	136.46	135.44	-1.0209
192	0	correlation	137.82	136.8	-1.0209
193	0	correlation	139.17	137.47	-1.6995

TID vs Post - Pre Exposure Delta

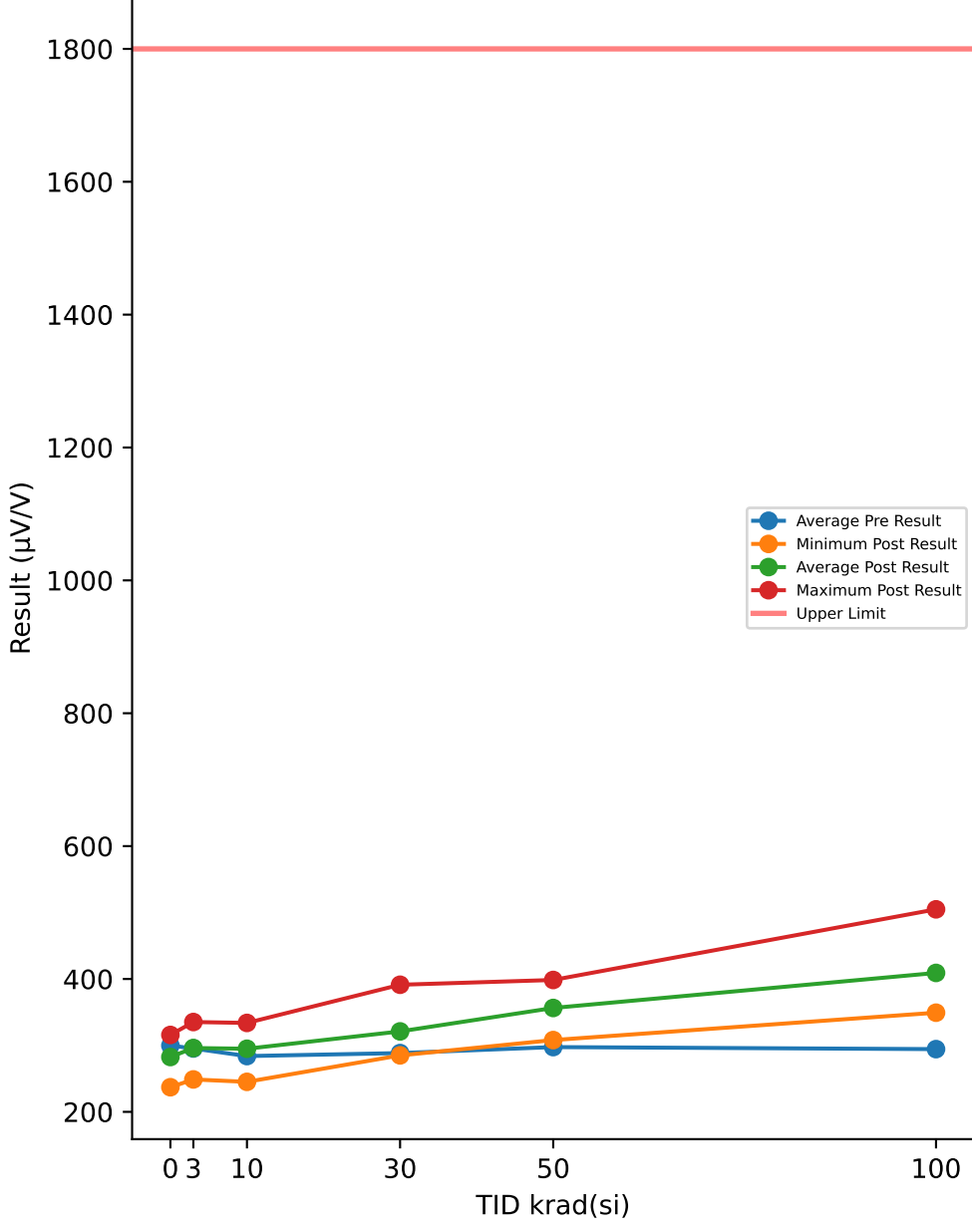


Test Statistics (mV)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	136.46	137.99	139.17	1.1211	135.27	136.63	137.47	0.92924	-2.2092	-1.3604	-1.0209	0.44908
3	135.61	137.65	139.17	1.071	135.27	137.97	140.87	1.8711	-1.1878	0.32245	1.8665	1.2038
10	134.76	137.47	139.17	1.2853	135.44	138.8	141.21	1.8213	0.1698	1.3238	2.3758	0.77478
30	135.27	138.14	141.04	1.8661	138.83	141.65	143.75	1.6858	2.5454	3.5132	4.7524	0.85453
50	135.44	138.39	140.87	1.6558	141.38	144.01	146.3	1.543	4.7526	5.6178	6.448	0.57914
100	135.61	138.6	140.87	1.7101	145.96	150.46	153.94	2.3697	10.353	11.863	13.408	1.0444

Device Test: 18.4 LINE_REG_2p25(VIN|REGULATION/OUT/2.25/0.6//10//@LINE_REG_2p25)

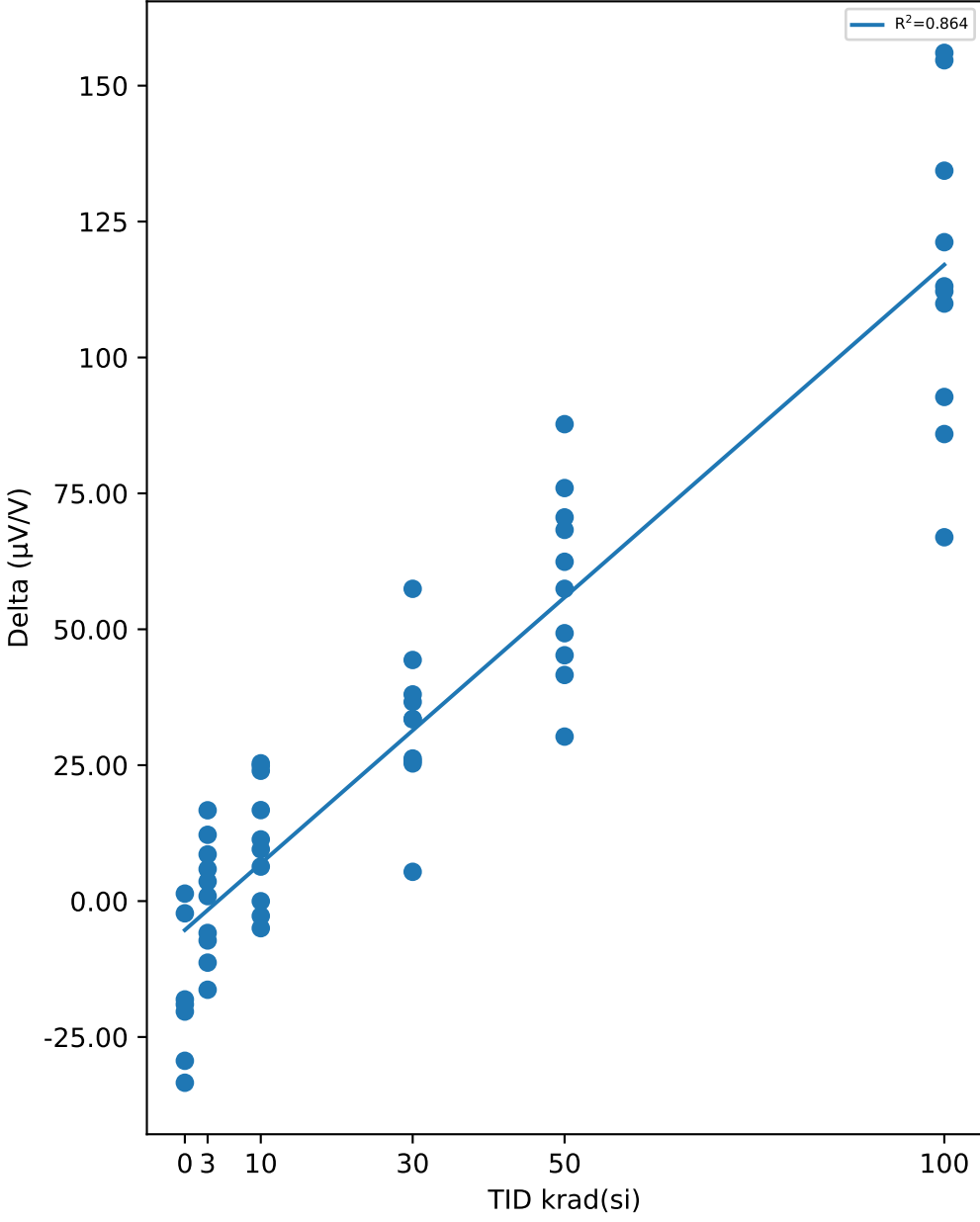
TID vs Result Stats



Test Results (Upper Limit = 1800.0 (µV/V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	242.92	248.8	5.8813
55	3	HDR unbiased	301.73	305.34	3.6155
57	3	HDR unbiased	295.38	289.52	-5.8607
58	3	HDR unbiased	304.45	305.36	0.9144
59	3	HDR unbiased	263.27	271.86	8.5886
82	10	HDR unbiased	268.25	292.22	23.975
83	10	HDR unbiased	299.89	311.23	11.348
84	10	HDR unbiased	290.85	300.38	9.5256
85	10	HDR unbiased	284.54	309.44	24.898
87	10	HDR unbiased	296.28	321.63	25.341
94	30	HDR unbiased	289.51	333.86	44.35
95	30	HDR unbiased	246.99	285	38.018
97	30	HDR unbiased	292.24	328.87	36.632
98	30	HDR unbiased	284.54	310.33	25.785
99	30	HDR unbiased	257.39	314.83	57.445
105	50	HDR unbiased	284.99	326.58	41.595
107	50	HDR unbiased	330.23	398.51	68.285
108	50	HDR unbiased	283.62	359.6	75.979
109	50	HDR unbiased	324.34	394.92	70.58
110	50	HDR unbiased	268.72	356.45	87.73
121	100	HDR biased	330.24	464.6	134.36
123	100	HDR biased	322.58	408.49	85.912
124	100	HDR biased	350.18	504.85	154.67
125	100	HDR biased	270.09	380	109.91
126	100	HDR biased	282.32	349.25	66.927
127	50	HDR biased	274.62	332.06	57.444
128	50	HDR biased	334.77	379.99	45.221
129	50	HDR biased	258.78	308.06	49.277
130	50	HDR biased	323.05	353.31	30.257
132	50	HDR biased	291.79	354.21	62.419
149	100	HDR unbiased	277.31	390.4	113.09
150	100	HDR unbiased	304	416.18	112.17
151	100	HDR unbiased	283.19	375.92	92.734
152	100	HDR unbiased	275.49	396.7	121.21
153	100	HDR unbiased	248.81	404.85	156.04
164	30	HDR biased	291.34	317.57	26.231
165	30	HDR biased	265.54	299.02	33.48
166	30	HDR biased	298.14	303.52	5.3855
168	30	HDR biased	357.85	391.32	33.468
169	30	HDR biased	301.31	326.63	25.322
170	10	HDR biased	285.47	302.2	16.736
171	10	HDR biased	267.82	262.84	-4.983
172	10	HDR biased	327.53	333.87	6.3425
173	10	HDR biased	271	270.98	-0.0282
174	10	HDR biased	247.91	245.18	-2.7394
175	3	HDR biased	325.3	313.98	-11.321
176	3	HDR biased	280.49	297.19	16.703
178	3	HDR biased	296.78	280.48	-16.309
179	3	HDR biased	342.47	335.22	-7.2476
180	3	HDR biased	300.87	313.06	12.193
187	0	correlation	297.21	298.59	1.3736
188	0	correlation	268.72	249.73	-18.996
189	0	correlation	270.5	237.08	-33.416
190	0	correlation	275.51	273.26	-2.2475
191	0	correlation	345.15	315.78	-29.377
192	0	correlation	325.7	307.61	-18.091
193	0	correlation	316.17	295.85	-20.321

TID vs Post - Pre Exposure Delta

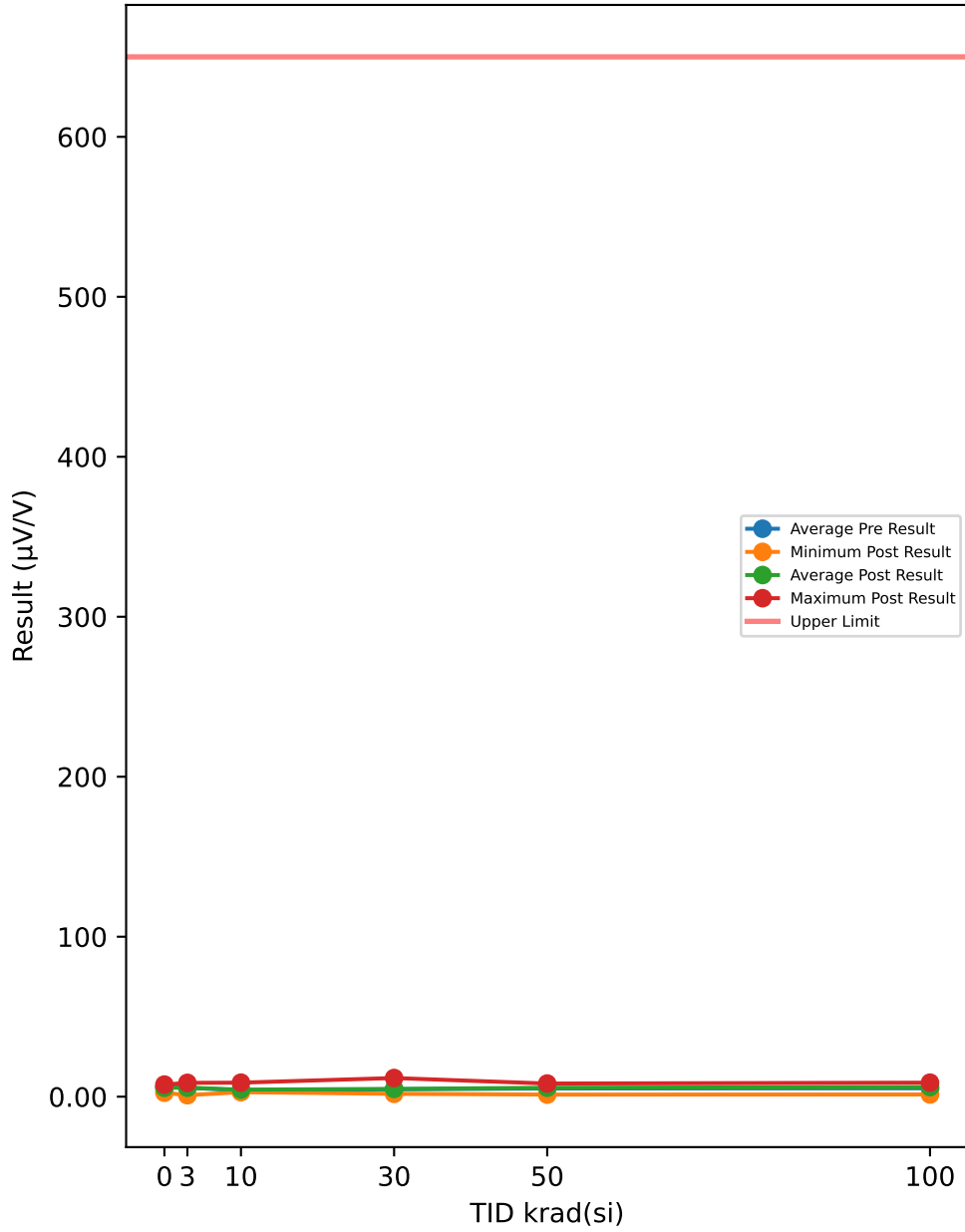


Test Statistics (µV/V)

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	268.72	299.85	345.15	30.047	237.08	282.55	315.78	29.992	-33.416	-17.296	1.3736	12.868
3	242.92	295.37	342.47	28.426	248.8	296.08	335.22	24.546	-16.309	0.71572	16.703	10.676
10	247.91	283.96	327.53	21.929	245.18	295	333.87	27.637	-4.983	11.042	25.341	11.498
30	246.99	288.48	357.85	30.412	285	321.1	391.32	28.775	5.3855	32.612	57.445	13.675
50	258.78	297.49	334.77	28.019	308.06	356.37	398.51	29.166	30.257	58.879	87.73	17.517
100	248.81	294.42	350.18	31.398	349.25	409.13	504.85	45.154	66.927	114.7	156.04	28.598

Device Test: 18.5 LINE_REG(VIN|REGULATION/OUT/14/0.6//10//@LINE_REG)

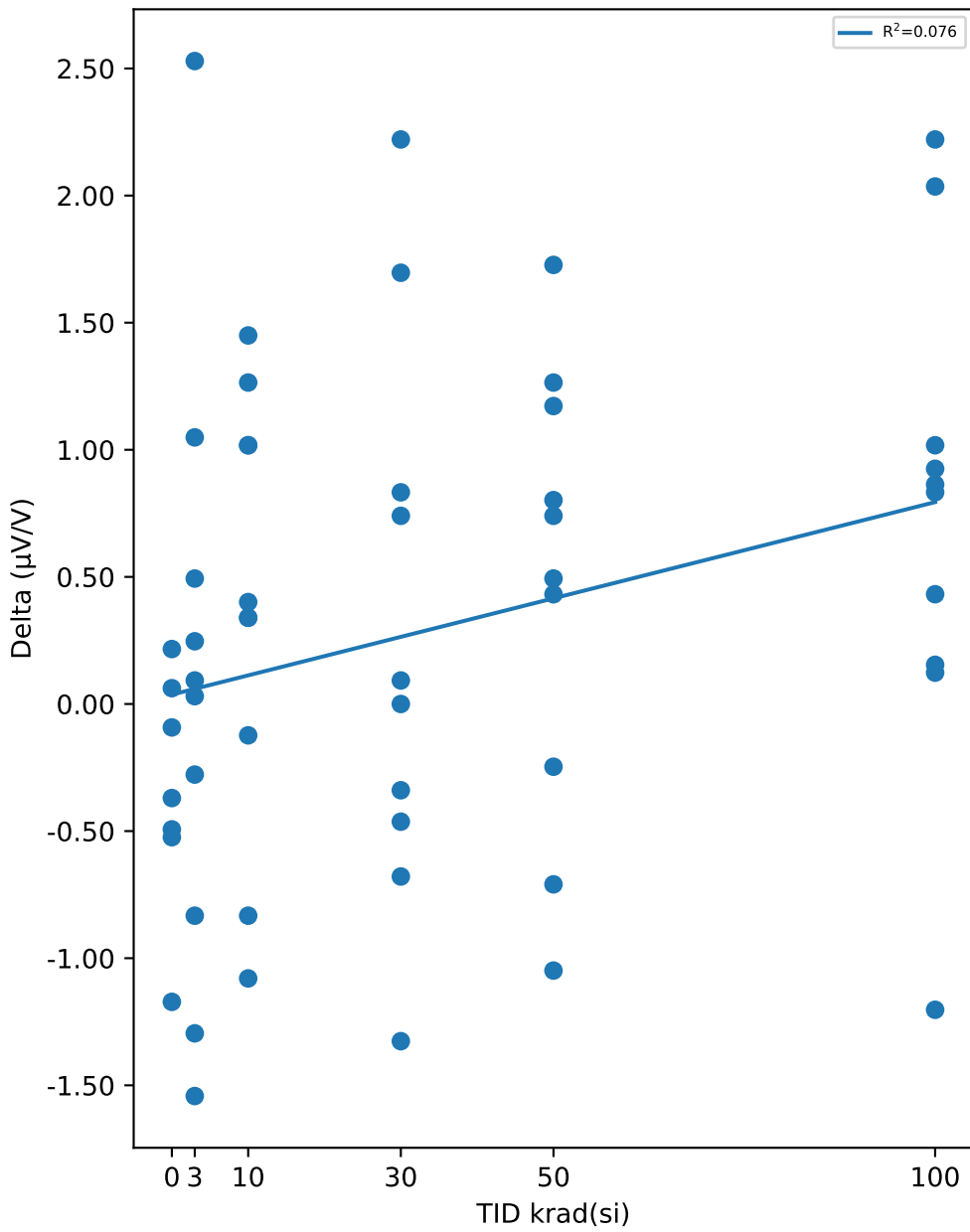
TID vs Result Stats



Test Results (Upper Limit = 650.0 (µV/V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	2.4675	0.9253	-1.5422
55	3	HDR unbiased	5.8912	5.9219	0.0307
57	3	HDR unbiased	7.5875	8.6362	1.0487
58	3	HDR unbiased	4.935	5.1817	0.2467
59	3	HDR unbiased	6.2304	6.7238	0.4934
82	10	HDR unbiased	3.1152	2.9919	-0.1233
83	10	HDR unbiased	4.2872	5.5517	1.2645
84	10	HDR unbiased	5.3667	4.2872	-1.0795
85	10	HDR unbiased	3.6395	2.8067	-0.8328
87	10	HDR unbiased	4.0096	4.3489	0.3393
94	30	HDR unbiased	5.9836	6.8163	0.8327
95	30	HDR unbiased	1.6964	1.7889	0.0925
97	30	HDR unbiased	4.8424	7.0631	2.2207
98	30	HDR unbiased	2.3441	3.0843	0.7402
99	30	HDR unbiased	3.2077	3.2077	0
105	50	HDR unbiased	3.7321	4.9965	1.2644
107	50	HDR unbiased	3.3928	5.12	1.7272
108	50	HDR unbiased	7.9576	7.2481	-0.7095
109	50	HDR unbiased	7.3099	6.2612	-1.0487
110	50	HDR unbiased	4.5956	5.0892	0.4936
121	100	HDR biased	7.0944	7.9272	0.8328
123	100	HDR biased	8.6368	8.76	0.1232
124	100	HDR biased	5.2745	6.2923	1.0178
125	100	HDR biased	1.203	1.3572	0.1542
126	100	HDR biased	4.1949	6.2307	2.0358
127	50	HDR biased	2.2826	2.0358	-0.2468
128	50	HDR biased	6.7243	7.4645	0.7402
129	50	HDR biased	0.4935	1.2955	0.802
130	50	HDR biased	6.8785	8.0505	1.172
132	50	HDR biased	7.7731	8.2047	0.4316
149	100	HDR unbiased	6.7546	5.5517	-1.2029
150	100	HDR unbiased	6.3537	7.2172	0.8635
151	100	HDR unbiased	5.4901	5.9219	0.4318
152	100	HDR unbiased	4.5031	6.7238	2.2207
153	100	HDR unbiased	2.961	3.8862	0.9252
164	30	HDR biased	2.591	4.2874	1.6964
165	30	HDR biased	4.1024	3.4238	-0.6786
166	30	HDR biased	3.7631	3.4238	-0.3393
168	30	HDR biased	12.122	11.659	-0.463
169	30	HDR biased	5.1203	3.7939	-1.3264
170	10	HDR biased	2.992	3.3312	0.3392
171	10	HDR biased	3.8866	4.9043	1.0177
172	10	HDR biased	8.359	8.7599	0.4009
173	10	HDR biased	2.8377	3.8557	1.018
174	10	HDR biased	1.789	3.2388	1.4498
175	3	HDR biased	7.557	7.6496	0.0926
176	3	HDR biased	5.0586	4.2258	-0.8328
178	3	HDR biased	2.4368	4.966	2.5292
179	3	HDR biased	7.9581	6.6625	-1.2956
180	3	HDR biased	5.4288	5.1511	-0.2777
187	0	correlation	4.3181	3.9481	-0.37
188	0	correlation	2.2515	2.4676	0.2161
189	0	correlation	5.1816	5.0894	-0.0922
190	0	correlation	7.4949	6.3232	-1.1717
191	0	correlation	7.7109	7.1869	-0.524
192	0	correlation	7.4948	7.557	0.0622
193	0	correlation	6.8781	6.3849	-0.4932

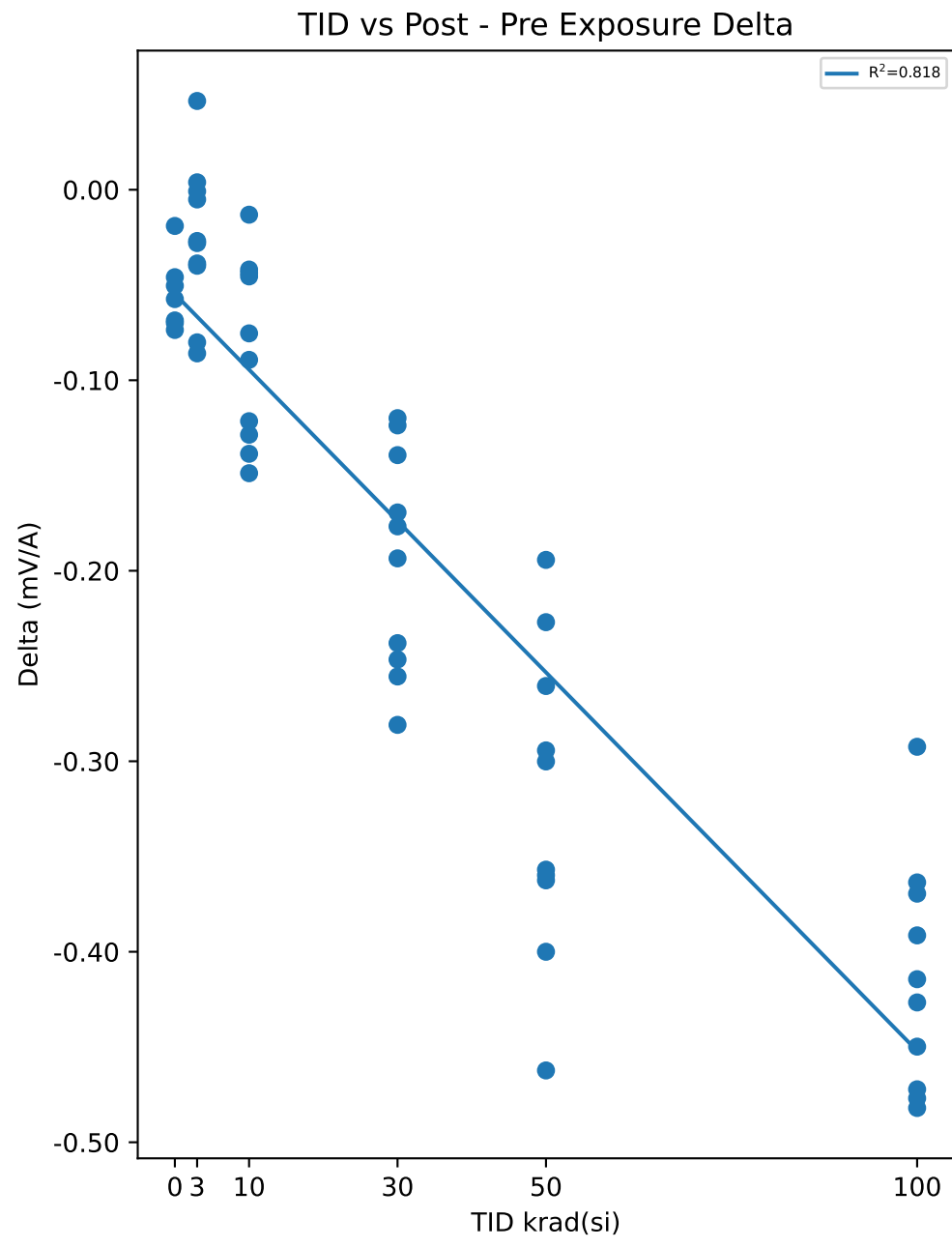
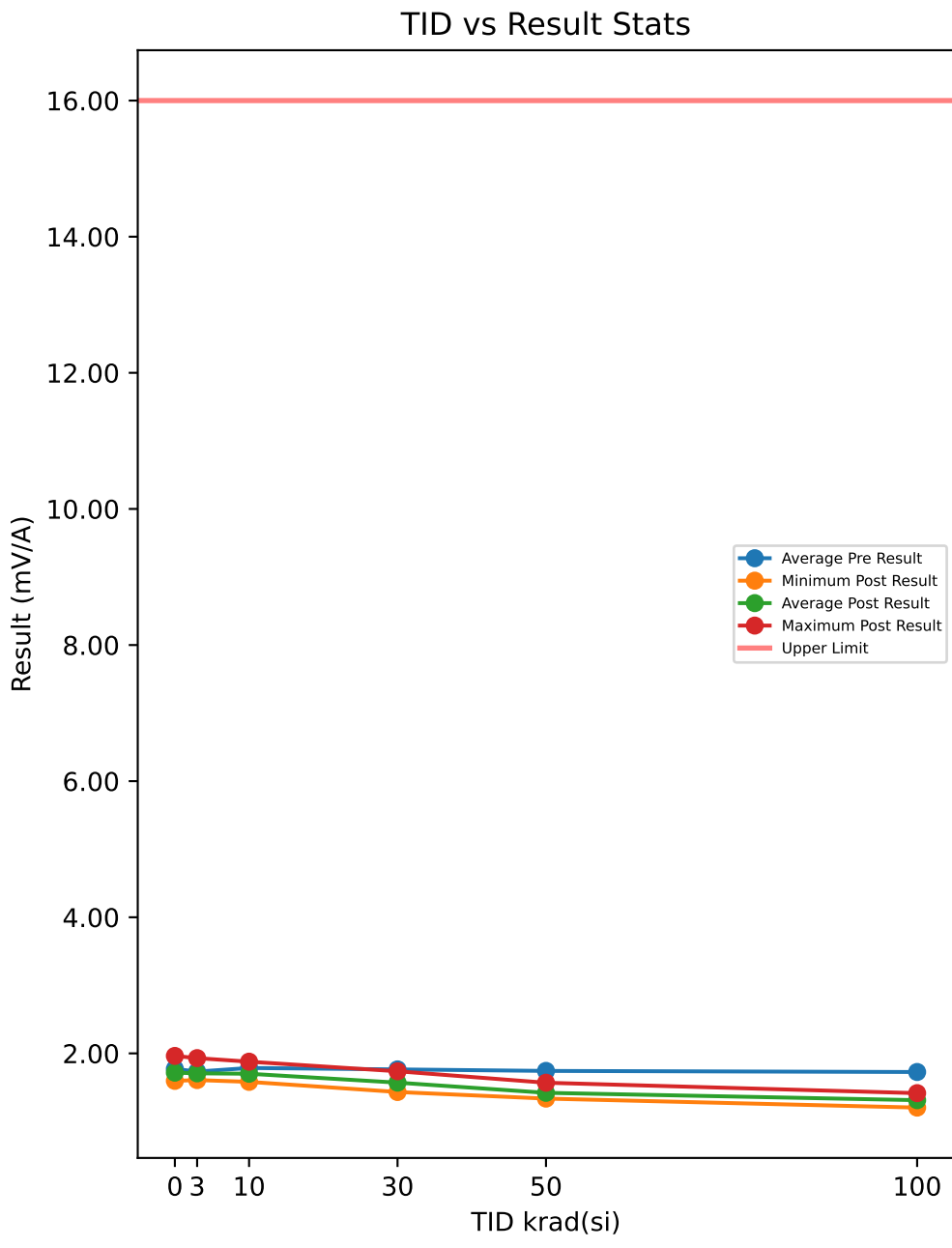
TID vs Post - Pre Exposure Delta



Test Statistics (µV/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	2.2515	5.9043	7.7109	2.0677	2.4676	5.5653	7.557	1.8385	-1.1717	-0.33897	0.2161	0.46231
3	2.4368	5.5551	7.9581	1.9546	0.9253	5.6044	8.6362	2.1196	-1.5422	0.0493	2.5292	1.1839
10	1.789	4.0282	8.359	1.7989	2.8067	4.4076	8.7599	1.7611	-1.0795	0.37938	1.4498	0.85626
30	1.6964	4.5773	12.122	2.9677	1.7889	4.8548	11.659	2.9024	-1.3264	0.27752	2.2207	1.0974
50	0.4935	5.114	7.9576	2.5861	1.2955	5.5766	8.2047	2.3922	-1.0487	0.4626	1.7272	0.88823
100	1.203	5.2466	8.6368	2.1525	1.3572	5.9868	8.76	2.1004	-1.2029	0.74021	2.2207	0.97755

Device Test: 19.5 LOAD_REG(VOUT|REGULATION/OUT/5/3.3////@LOAD_REG)

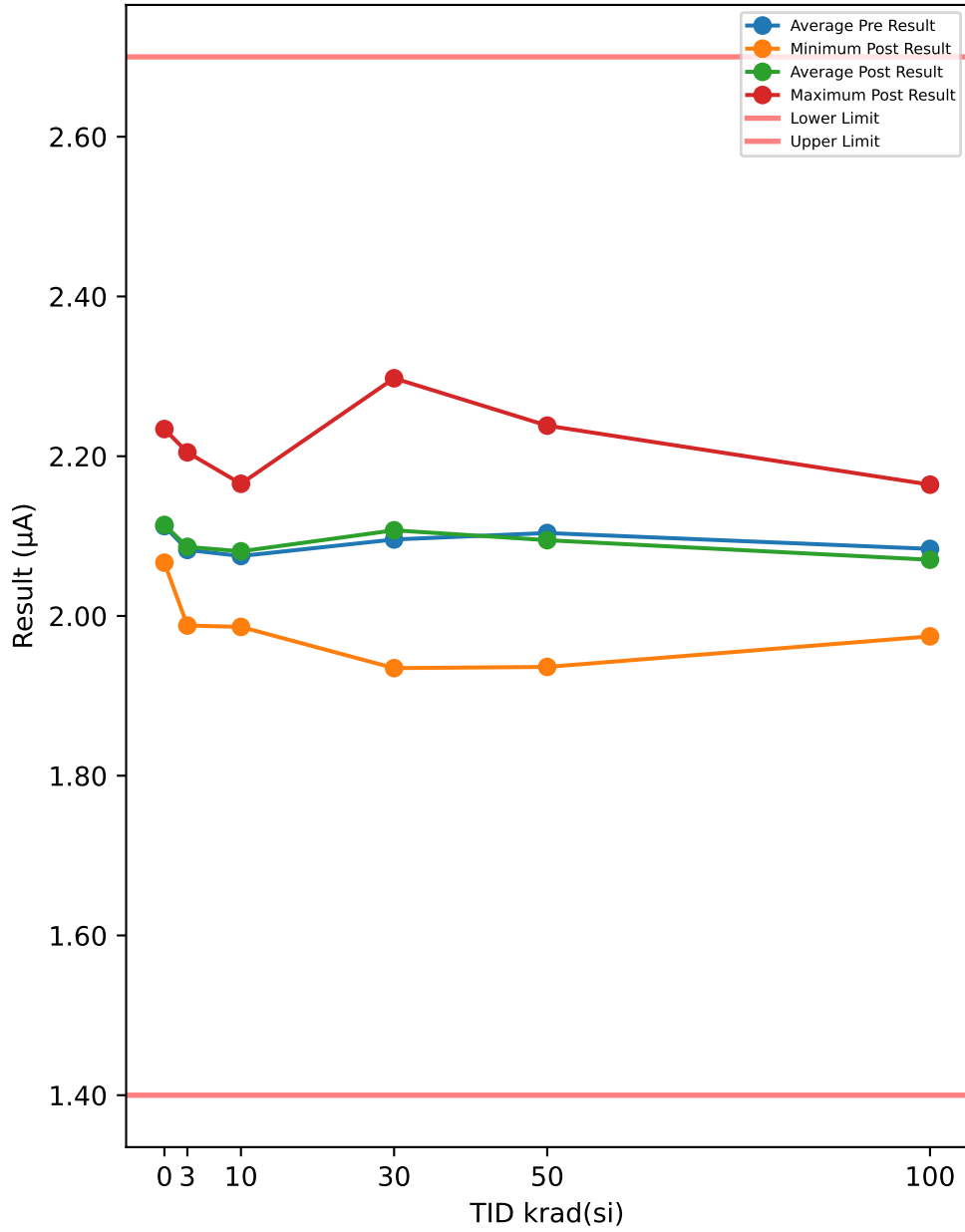


Test Results (Upper Limit = 16.0 (mV/A))					
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	1.635	1.6081	-0.0269
55	3	HDR unbiased	1.6779	1.7245	0.0466
57	3	HDR unbiased	1.6399	1.6119	-0.028
58	3	HDR unbiased	1.6569	1.6608	0.0039
59	3	HDR unbiased	1.6486	1.6099	-0.0387
82	10	HDR unbiased	1.712	1.6665	-0.0455
83	10	HDR unbiased	2.0066	1.878	-0.1286
84	10	HDR unbiased	1.6819	1.6065	-0.0754
85	10	HDR unbiased	1.7607	1.7476	-0.0131
87	10	HDR unbiased	1.8179	1.776	-0.0419
94	30	HDR unbiased	1.8919	1.6453	-0.2466
95	30	HDR unbiased	1.714	1.5941	-0.1199
97	30	HDR unbiased	1.8654	1.6099	-0.2555
98	30	HDR unbiased	1.7112	1.5345	-0.1767
99	30	HDR unbiased	1.7602	1.5667	-0.1935
105	50	HDR unbiased	1.6955	1.3357	-0.3598
107	50	HDR unbiased	1.9535	1.4912	-0.4623
108	50	HDR unbiased	1.763	1.363	-0.4
109	50	HDR unbiased	1.7151	1.3526	-0.3625
110	50	HDR unbiased	1.7652	1.5382	-0.227
121	100	HDR biased	1.7105	1.3191	-0.3914
123	100	HDR biased	1.7021	1.3326	-0.3695
124	100	HDR biased	1.7793	1.4157	-0.3636
125	100	HDR biased	1.8177	1.3408	-0.4769
126	100	HDR biased	1.4959	1.2035	-0.2924
127	50	HDR biased	1.6825	1.3824	-0.3001
128	50	HDR biased	1.6865	1.426	-0.2605
129	50	HDR biased	1.7631	1.5688	-0.1943
130	50	HDR biased	1.7359	1.379	-0.3569
132	50	HDR biased	1.6631	1.3688	-0.2943
149	100	HDR unbiased	1.7114	1.2616	-0.4498
150	100	HDR unbiased	1.7988	1.3844	-0.4144
151	100	HDR unbiased	1.7107	1.2385	-0.4722
152	100	HDR unbiased	1.7663	1.2843	-0.482
153	100	HDR unbiased	1.771	1.3444	-0.4266
164	30	HDR biased	2.018	1.7371	-0.2809
165	30	HDR biased	1.5985	1.4592	-0.1393
166	30	HDR biased	1.7811	1.5431	-0.238
168	30	HDR biased	1.5563	1.4326	-0.1237
169	30	HDR biased	1.7491	1.5797	-0.1694
170	10	HDR biased	1.8607	1.7119	-0.1488
171	10	HDR biased	1.7467	1.6081	-0.1386
172	10	HDR biased	1.8169	1.7732	-0.0437
173	10	HDR biased	1.7811	1.6596	-0.1215
174	10	HDR biased	1.6708	1.5815	-0.0893
175	3	HDR biased	1.8329	1.747	-0.0859
176	3	HDR biased	1.6572	1.6521	-0.0051
178	3	HDR biased	1.8549	1.7748	-0.0801
179	3	HDR biased	1.7892	1.7493	-0.0399
180	3	HDR biased	1.931	1.9302	-0.0008
187	0	correlation	1.6468	1.5964	-0.0504
188	0	correlation	1.6732	1.6542	-0.019
189	0	correlation	1.7439	1.6753	-0.0686
190	0	correlation	1.8447	1.7711	-0.0736
191	0	correlation	2.0324	1.9625	-0.0699
192	0	correlation	1.759	1.7131	-0.0459
193	0	correlation	1.704	1.6466	-0.0574

Test Statistics (mV/A)												
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.6468	1.772	2.0324	0.13173	1.5964	1.717	1.9625	0.12138	-0.0736	-0.054971	-0.019	0.018968
3	1.635	1.7323	1.931	0.10912	1.6081	1.7069	1.9302	0.10084	-0.0859	-0.02549	0.0466	0.039593
10	1.6708	1.7855	2.0066	0.098887	1.5815	1.7009	1.878	0.09381	-0.1488	-0.08464	-0.0131	0.047818
30	1.5563	1.7646	2.018	0.13642	1.4326	1.5702	1.7371	0.087565	-0.2809	-0.19435	-0.1199	0.058085
50	1.6631	1.7423	1.9535	0.082949	1.3357	1.4206	1.5688	0.082885	-0.4623	-0.32177	-0.1943	0.081932
100	1.4959	1.7264	1.8177	0.090922	1.2035	1.3125	1.4157	0.065684	-0.482	-0.41388	-0.2924	0.06076

Device Test: 20.1 I_SS(TIMING|CURRENT/SS/2.25/0.6//10//@I_SS)

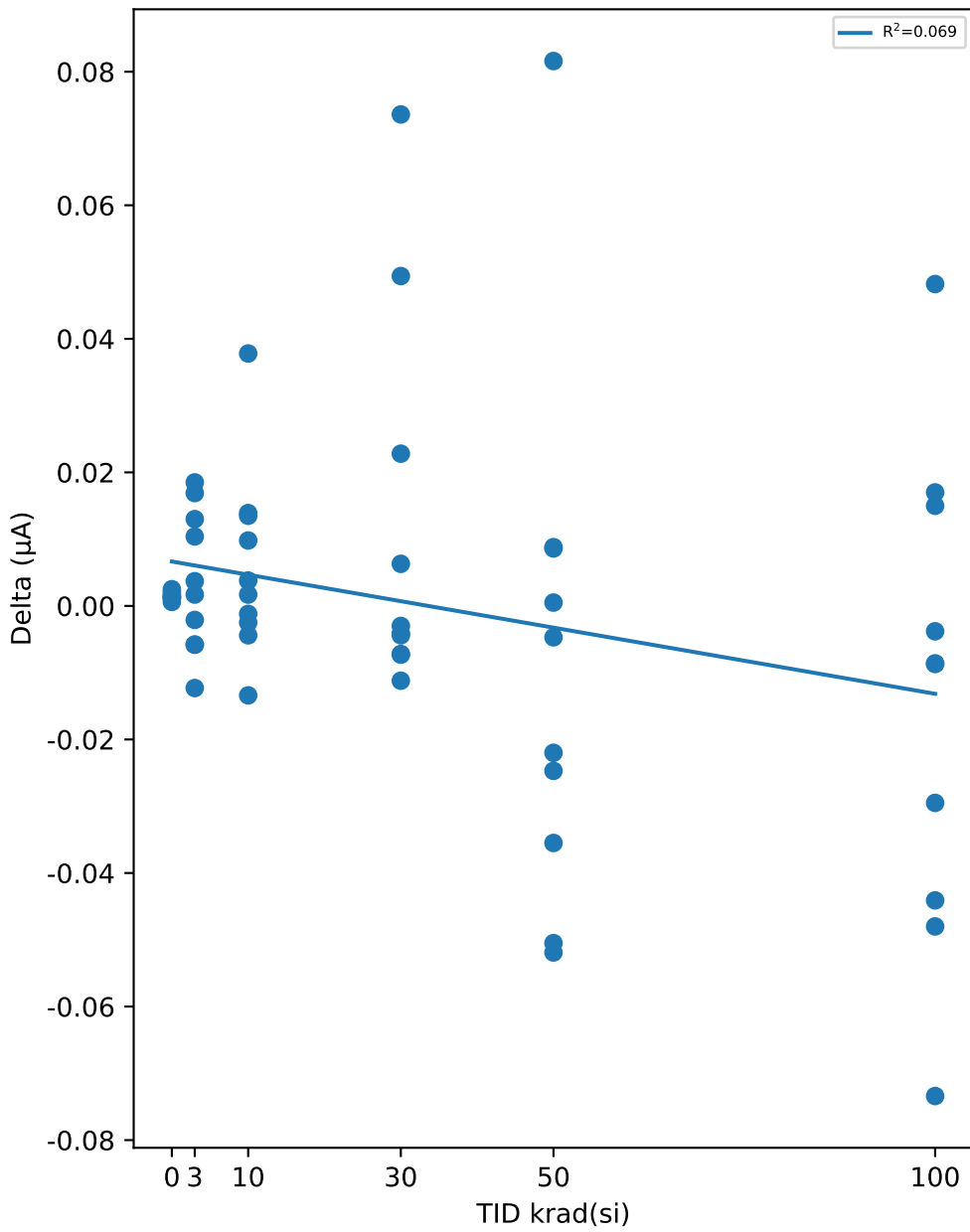
TID vs Result Stats



Test Results (Lower Limit = 1.4, Upper Limit = 2.7 (µA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	2.0668	2.0647	-0.0021
55	3	HDR unbiased	2.2031	2.2048	0.0017
57	3	HDR unbiased	2.1061	2.0938	-0.0123
58	3	HDR unbiased	2.1654	2.1839	0.0185
59	3	HDR unbiased	2.0053	1.9995	-0.0058
82	10	HDR unbiased	2.1516	2.1655	0.0139
83	10	HDR unbiased	2.121	2.1166	-0.0044
84	10	HDR unbiased	2.0487	2.0353	-0.0134
85	10	HDR unbiased	2.1382	2.1517	0.0135
87	10	HDR unbiased	2.0687	2.0662	-0.0025
94	30	HDR unbiased	2.1321	2.1209	-0.0112
95	30	HDR unbiased	2.0617	2.0845	0.0228
97	30	HDR unbiased	2.164	2.1703	0.0063
98	30	HDR unbiased	1.9962	2.0698	0.0736
99	30	HDR unbiased	2.1752	2.1679	-0.0073
105	50	HDR unbiased	2.1581	2.1076	-0.0505
107	50	HDR unbiased	2.2486	2.2266	-0.022
108	50	HDR unbiased	1.9609	1.9362	-0.0247
109	50	HDR unbiased	2.0929	2.041	-0.0519
110	50	HDR unbiased	2.154	2.1626	0.0086
121	100	HDR biased	2.071	2.0415	-0.0295
123	100	HDR biased	2.0419	2.0381	-0.0038
124	100	HDR biased	2.1306	2.122	-0.0086
125	100	HDR biased	2.1731	2.1644	-0.0087
126	100	HDR biased	1.9595	1.9745	0.015
127	50	HDR biased	2.0402	2.0047	-0.0355
128	50	HDR biased	2.0984	2.0937	-0.0047
129	50	HDR biased	2.1567	2.2383	0.0816
130	50	HDR biased	2.0852	2.0857	0.0005
132	50	HDR biased	2.0436	2.0524	0.0088
149	100	HDR unbiased	2.1104	2.1274	0.017
150	100	HDR unbiased	2.1295	2.0561	-0.0734
151	100	HDR unbiased	2.1181	2.0701	-0.048
152	100	HDR unbiased	2.0425	2.0907	0.0482
153	100	HDR unbiased	2.0632	2.0191	-0.0441
164	30	HDR biased	2.2482	2.2976	0.0494
165	30	HDR biased	1.9377	1.9347	-0.003
166	30	HDR biased	2.1142	2.1098	-0.0044
168	30	HDR biased	2.0701	2.066	-0.0041
169	30	HDR biased	2.0582	2.051	-0.0072
170	10	HDR biased	2.1088	2.1076	-0.0012
171	10	HDR biased	1.9927	2.0025	0.0098
172	10	HDR biased	2.0236	2.0274	0.0038
173	10	HDR biased	2.1125	2.1503	0.0378
174	10	HDR biased	1.9846	1.9863	0.0017
175	3	HDR biased	2.0994	2.1124	0.013
176	3	HDR biased	1.9938	1.988	-0.0058
178	3	HDR biased	2.0274	2.0311	0.0037
179	3	HDR biased	2.0643	2.0747	0.0104
180	3	HDR biased	2.0952	2.1121	0.0169
187	0	correlation	2.0768	2.0782	0.0014
188	0	correlation	2.0908	2.0923	0.0015
189	0	correlation	2.0802	2.0808	0.0006
190	0	correlation	2.2315	2.234	0.0025
191	0	correlation	2.1739	2.1751	0.0012
192	0	correlation	2.0687	2.0707	0.002
193	0	correlation	2.0655	2.0667	0.0012

TID vs Post - Pre Exposure Delta

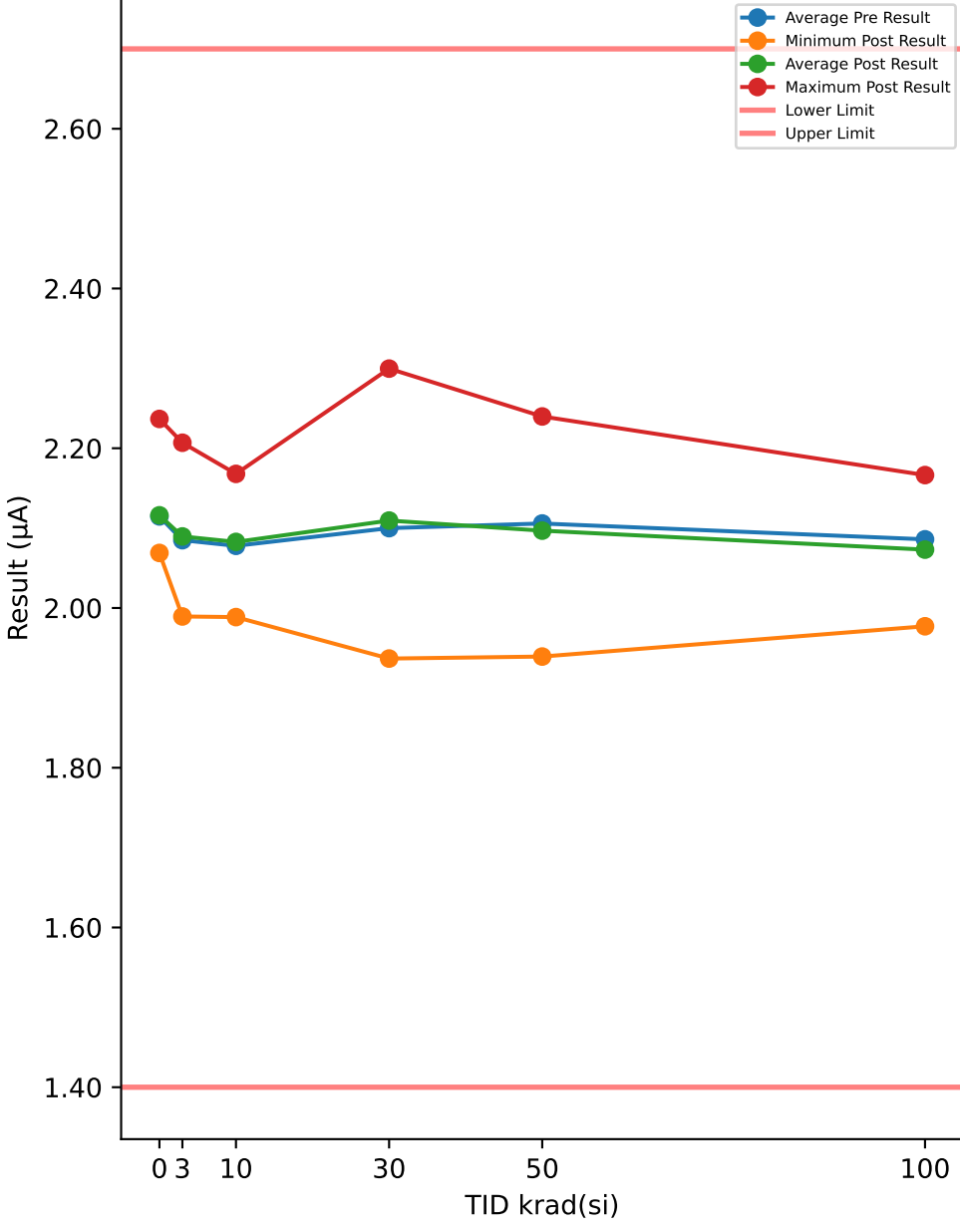


Test Statistics (µA)

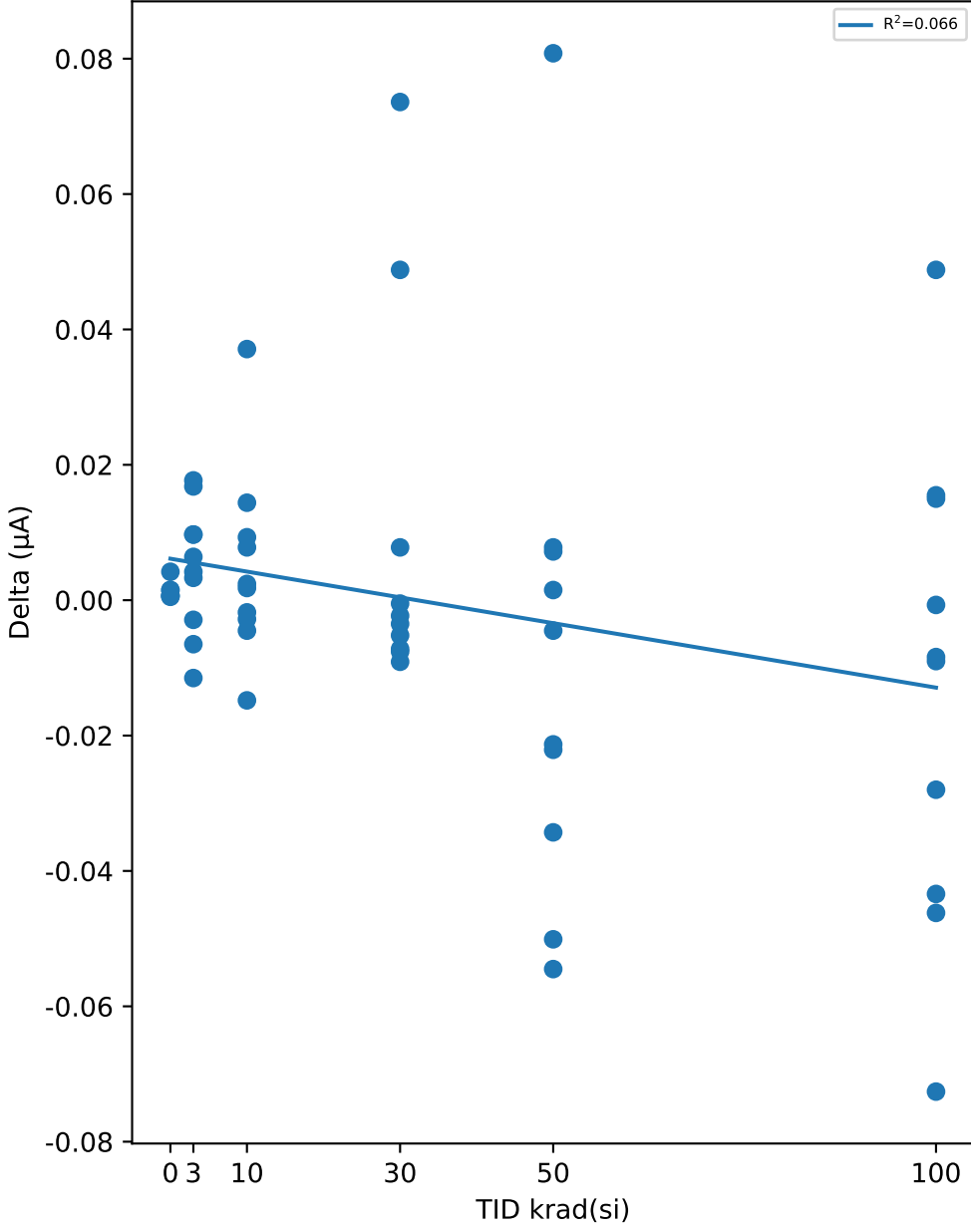
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.0655	2.1125	2.2315	0.064352	2.0667	2.114	2.234	0.064679	0.0006	0.0014857	0.0025	0.00061218
3	1.9938	2.0827	2.2031	0.066551	1.988	2.0865	2.2048	0.071349	-0.0123	0.00382	0.0185	0.010534
10	1.9846	2.075	2.1516	0.060411	1.9863	2.0809	2.1655	0.066019	-0.0134	0.0059	0.0378	0.014048
30	1.9377	2.0958	2.2482	0.090671	1.9347	2.1072	2.2976	0.094657	-0.0112	0.01149	0.0736	0.028621
50	1.9609	2.1039	2.2486	0.080151	1.9362	2.0949	2.2383	0.094735	-0.0519	-0.00898	0.0816	0.038907
100	1.9595	2.084	2.1731	0.061135	1.9745	2.0704	2.1644	0.056834	-0.0734	-0.01359	0.0482	0.035995

Device Test: 20.2 I_SS(TIMING|CURRENT/SS/14/13.3//10//@I_SS)

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 1.4, Upper Limit = 2.7 (µA))

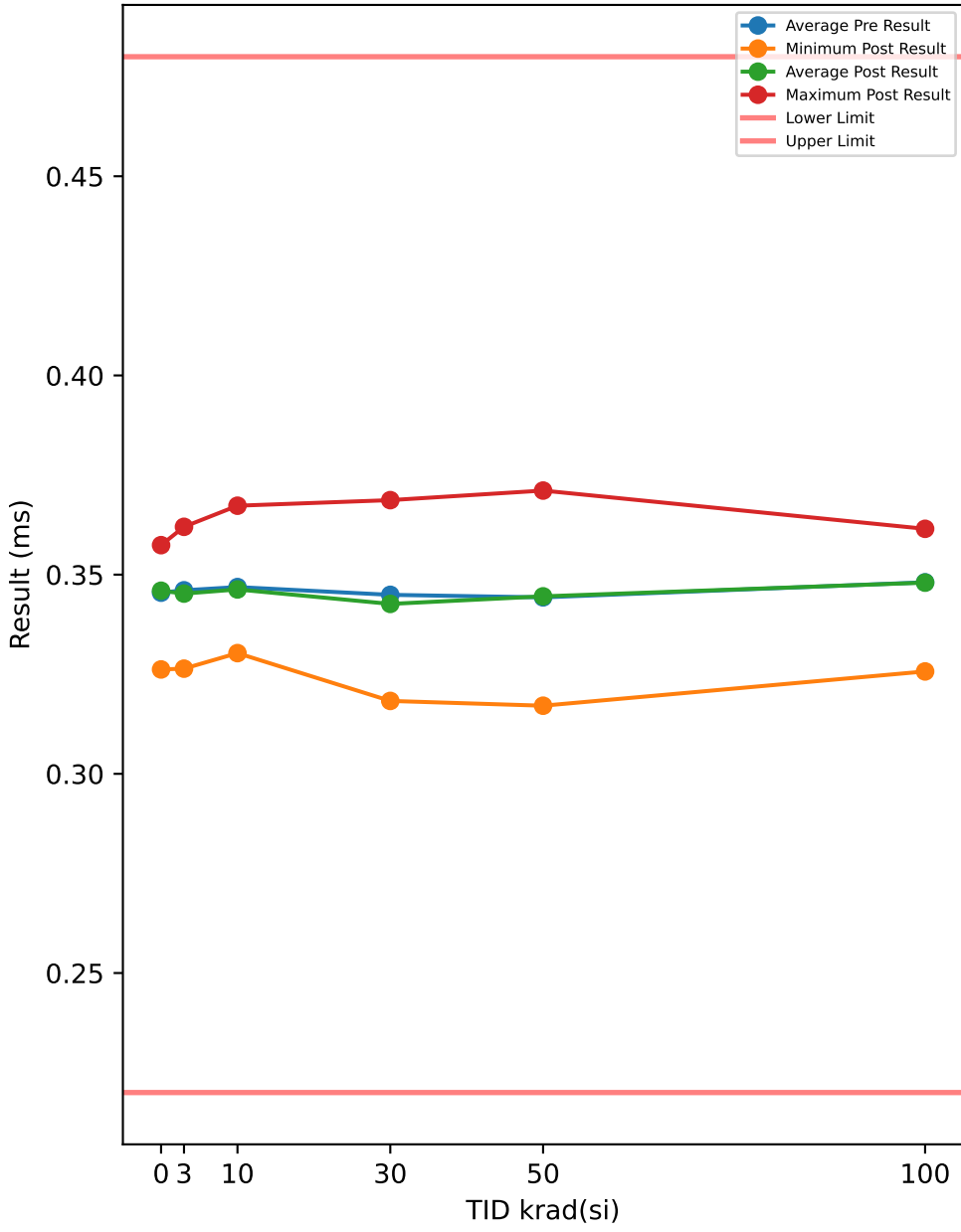
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	2.0699	2.067	-0.0029
55	3	HDR unbiased	2.2036	2.2069	0.0033
57	3	HDR unbiased	2.1082	2.0967	-0.0115
58	3	HDR unbiased	2.1693	2.1861	0.0168
59	3	HDR unbiased	2.0074	2.0138	0.0064
82	10	HDR unbiased	2.1535	2.1679	0.0144
83	10	HDR unbiased	2.1234	2.1189	-0.0045
84	10	HDR unbiased	2.0519	2.0371	-0.0148
85	10	HDR unbiased	2.1438	2.1531	0.0093
87	10	HDR unbiased	2.0717	2.0689	-0.0028
94	30	HDR unbiased	2.1325	2.1234	-0.0091
95	30	HDR unbiased	2.0874	2.0869	-0.0005
97	30	HDR unbiased	2.1656	2.1734	0.0078
98	30	HDR unbiased	1.9981	2.0717	0.0736
99	30	HDR unbiased	2.1772	2.17	-0.0072
105	50	HDR unbiased	2.1597	2.1096	-0.0501
107	50	HDR unbiased	2.2506	2.2293	-0.0213
108	50	HDR unbiased	1.9613	1.9392	-0.0221
109	50	HDR unbiased	2.0957	2.0412	-0.0545
110	50	HDR unbiased	2.1574	2.1646	0.0072
121	100	HDR biased	2.0723	2.0443	-0.028
123	100	HDR biased	2.0428	2.0421	-0.0007
124	100	HDR biased	2.1323	2.1239	-0.0084
125	100	HDR biased	2.1754	2.1664	-0.009
126	100	HDR biased	1.9616	1.9771	0.0155
127	50	HDR biased	2.043	2.0087	-0.0343
128	50	HDR biased	2.0997	2.0952	-0.0045
129	50	HDR biased	2.159	2.2398	0.0808
130	50	HDR biased	2.0856	2.0871	0.0015
132	50	HDR biased	2.0458	2.0536	0.0078
149	100	HDR unbiased	2.1128	2.1278	0.015
150	100	HDR unbiased	2.1314	2.0588	-0.0726
151	100	HDR unbiased	2.1202	2.074	-0.0462
152	100	HDR unbiased	2.0451	2.0939	0.0488
153	100	HDR unbiased	2.0657	2.0223	-0.0434
164	30	HDR biased	2.2509	2.2997	0.0488
165	30	HDR biased	1.939	1.9367	-0.0023
166	30	HDR biased	2.1175	2.1123	-0.0052
168	30	HDR biased	2.0715	2.068	-0.0035
169	30	HDR biased	2.0601	2.0525	-0.0076
170	10	HDR biased	2.1103	2.1085	-0.0018
171	10	HDR biased	1.995	2.0028	0.0078
172	10	HDR biased	2.0269	2.0293	0.0024
173	10	HDR biased	2.1149	2.152	0.0371
174	10	HDR biased	1.9868	1.9886	0.0018
175	3	HDR biased	2.1027	2.1124	0.0097
176	3	HDR biased	1.9959	1.9894	-0.0065
178	3	HDR biased	2.028	2.0322	0.0042
179	3	HDR biased	2.0677	2.0774	0.0097
180	3	HDR biased	2.0961	2.1138	0.0177
187	0	correlation	2.0792	2.0798	0.0006
188	0	correlation	2.0934	2.0941	0.0007
189	0	correlation	2.0824	2.0829	0.0005
190	0	correlation	2.2325	2.2367	0.0042
191	0	correlation	2.1761	2.1776	0.0015
192	0	correlation	2.0714	2.0721	0.0007
193	0	correlation	2.0674	2.0689	0.0015

Test Statistics (µA)

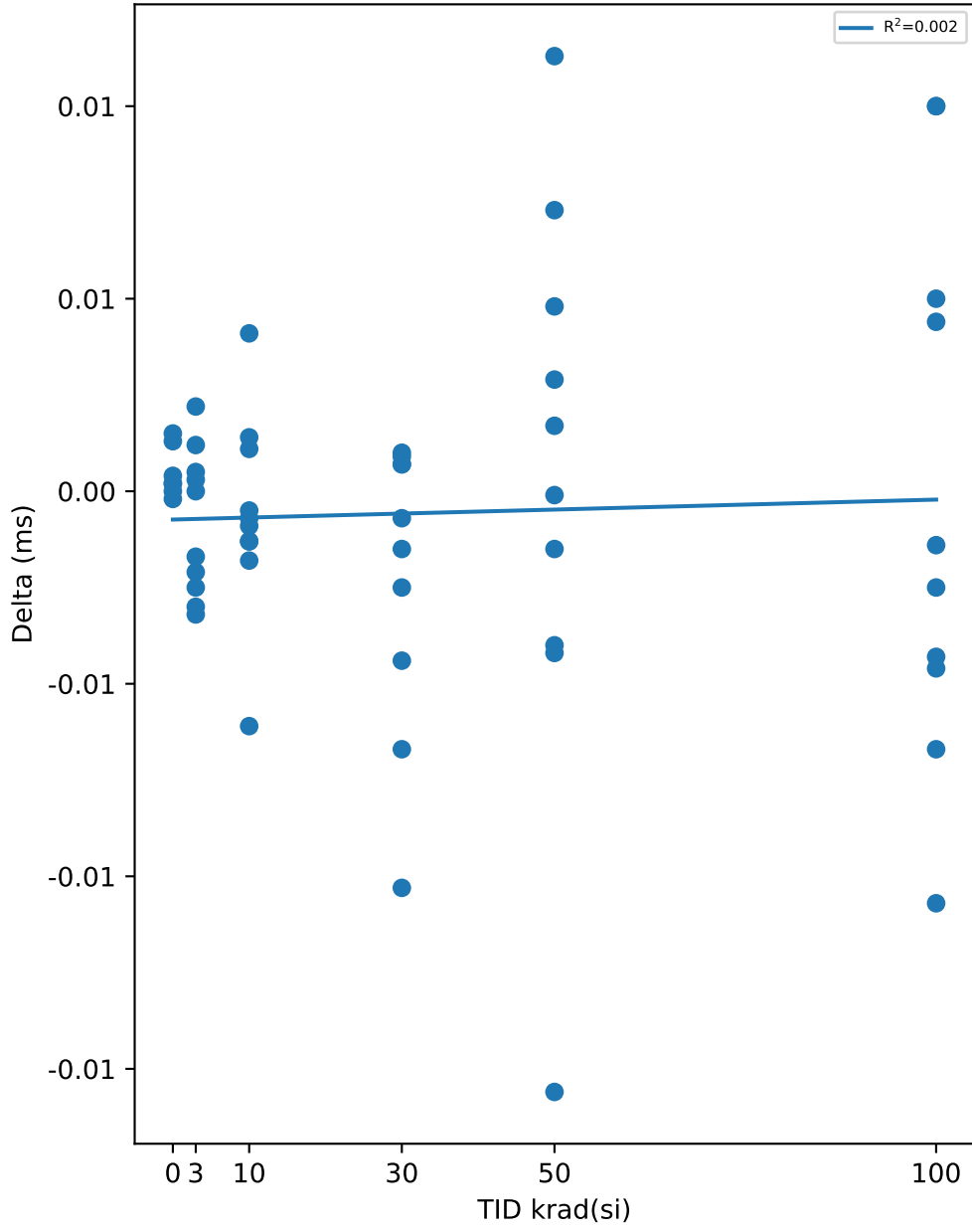
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.0674	2.1146	2.2325	0.063922	2.0689	2.116	2.2367	0.065057	0.0005	0.0013857	0.0042	0.0013095
3	1.9959	2.0849	2.2036	0.06657	1.9894	2.0896	2.2069	0.069895	-0.0115	0.00469	0.0177	0.0095228
10	1.9868	2.0778	2.1535	0.060584	1.9886	2.0827	2.1679	0.066126	-0.0148	0.00489	0.0371	0.01395
30	1.939	2.1	2.2509	0.090224	1.9367	2.1095	2.2997	0.094805	-0.0091	0.00948	0.0736	0.02828
50	1.9613	2.1058	2.2506	0.08051	1.9392	2.0968	2.2398	0.094528	-0.0545	-0.00895	0.0808	0.038675
100	1.9616	2.086	2.1754	0.061191	1.9771	2.0731	2.1664	0.056276	-0.0726	-0.0129	0.0488	0.035602

Device Test: 20.3 TSS_1NF(LEVEL|TIMING/SS/5/3.3//10//@TSS_1NF)

TID vs Result Stats



TID vs Post - Pre Exposure Delta



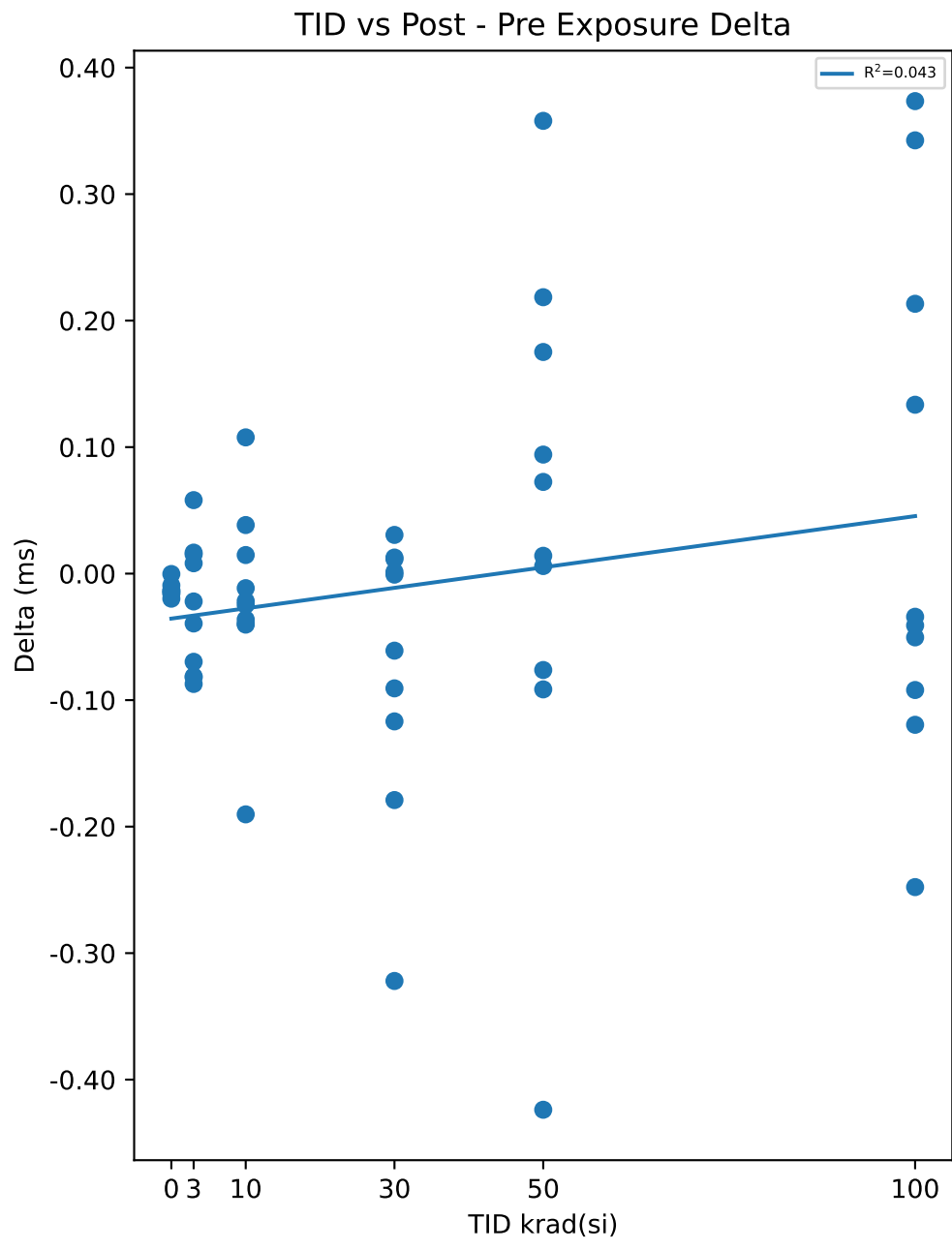
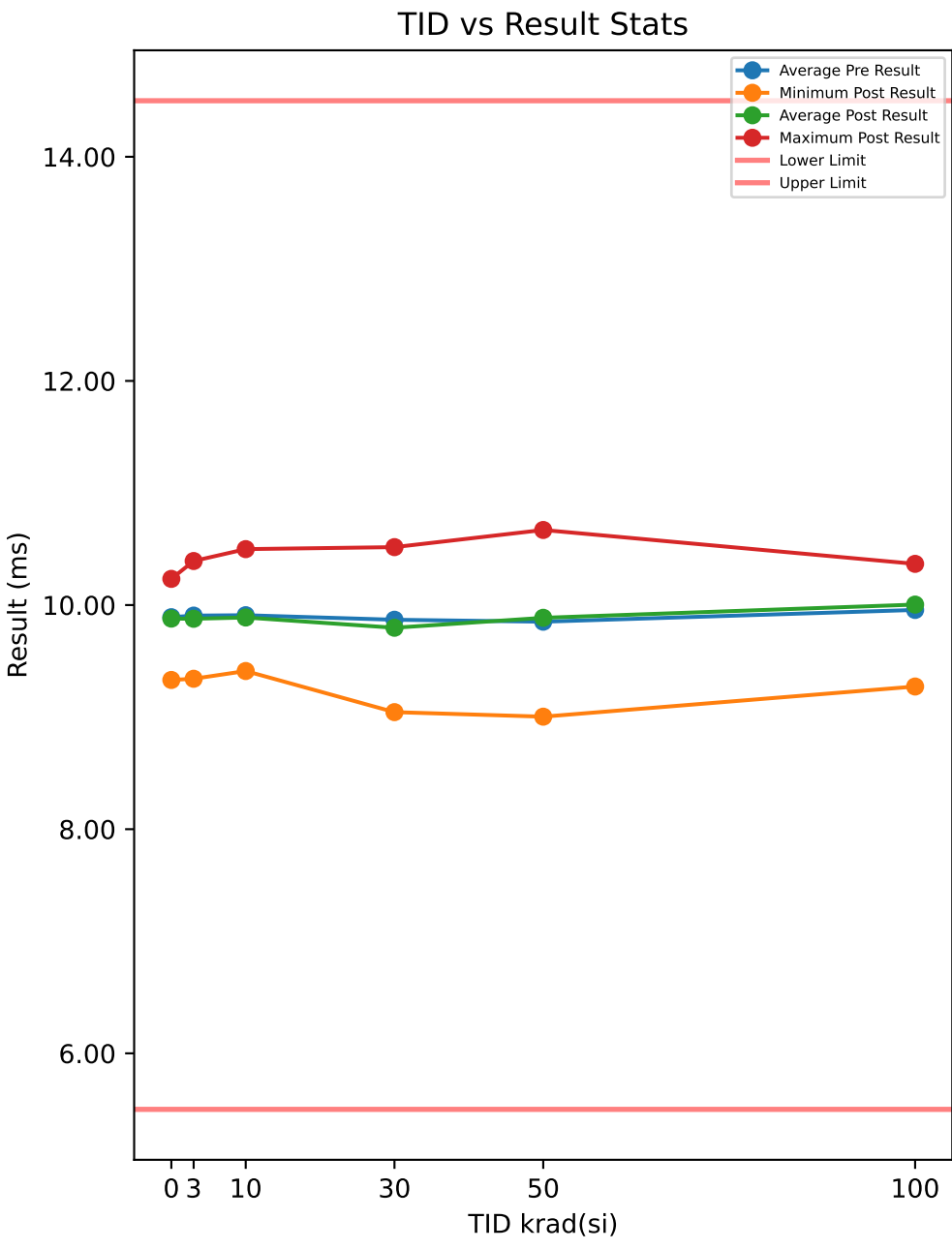
Test Results (Lower Limit = 0.22, Upper Limit = 0.48 (ms))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	0.3414	0.3417	0.0003
55	3	HDR unbiased	0.3264	0.3264	0
57	3	HDR unbiased	0.3451	0.3473	0.0022
58	3	HDR unbiased	0.3377	0.3347	-0.003
59	3	HDR unbiased	0.3608	0.362	0.0012
82	10	HDR unbiased	0.3325	0.3307	-0.0018
83	10	HDR unbiased	0.3408	0.3422	0.0014
84	10	HDR unbiased	0.3492	0.3533	0.0041
85	10	HDR unbiased	0.331	0.3303	-0.0007
87	10	HDR unbiased	0.3442	0.3453	0.0011
94	30	HDR unbiased	0.3518	0.3525	0.0007
95	30	HDR unbiased	0.3446	0.3421	-0.0025
97	30	HDR unbiased	0.3364	0.3357	-0.0007
98	30	HDR unbiased	0.3554	0.3451	-0.0103
99	30	HDR unbiased	0.3262	0.3272	0.001
105	50	HDR unbiased	0.3374	0.3487	0.0113
107	50	HDR unbiased	0.3232	0.3249	0.0017
108	50	HDR unbiased	0.3682	0.3711	0.0029
109	50	HDR unbiased	0.344	0.3513	0.0073
110	50	HDR unbiased	0.3366	0.3326	-0.004
121	100	HDR biased	0.3516	0.356	0.0044
123	100	HDR biased	0.3563	0.3549	-0.0014
124	100	HDR biased	0.3447	0.3404	-0.0043
125	100	HDR biased	0.3282	0.3257	-0.0025
126	100	HDR biased	0.3682	0.3615	-0.0067
127	50	HDR biased	0.35	0.3548	0.0048
128	50	HDR biased	0.3468	0.3467	-0.0001
129	50	HDR biased	0.3327	0.3171	-0.0156
130	50	HDR biased	0.3474	0.3459	-0.0015
132	50	HDR biased	0.3566	0.3524	-0.0042
149	100	HDR unbiased	0.3419	0.3373	-0.0046
150	100	HDR unbiased	0.3406	0.3506	0.01
151	100	HDR unbiased	0.3442	0.3492	0.005
152	100	HDR unbiased	0.3558	0.3451	-0.0107
153	100	HDR unbiased	0.3492	0.3592	0.01
164	30	HDR biased	0.325	0.3183	-0.0067
165	30	HDR biased	0.3678	0.3687	0.0009
166	30	HDR biased	0.3403	0.3359	-0.0044
168	30	HDR biased	0.3494	0.3479	-0.0015
169	30	HDR biased	0.3524	0.3531	0.0007
170	10	HDR biased	0.3404	0.3395	-0.0009
171	10	HDR biased	0.3678	0.3673	-0.0005
172	10	HDR biased	0.3551	0.3538	-0.0013
173	10	HDR biased	0.346	0.3399	-0.0061
174	10	HDR biased	0.3618	0.3605	-0.0013
175	3	HDR biased	0.3435	0.3414	-0.0021
176	3	HDR biased	0.3608	0.3613	0.0005
178	3	HDR biased	0.3521	0.3504	-0.0017
179	3	HDR biased	0.3489	0.3464	-0.0025
180	3	HDR biased	0.344	0.3408	-0.0032
187	0	correlation	0.3507	0.3507	0
188	0	correlation	0.3486	0.3488	0.0002
189	0	correlation	0.3503	0.3505	0.0002
190	0	correlation	0.3264	0.3262	-0.0002
191	0	correlation	0.3382	0.3386	0.0004
192	0	correlation	0.3482	0.3495	0.0013
193	0	correlation	0.3559	0.3574	0.0015

Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.3264	0.34547	0.3559	0.0099435	0.3262	0.34596	0.3574	0.010321	-0.0002	0.00048571	0.0015	0.00065429
3	0.3264	0.34607	0.3608	0.010376	0.3264	0.34524	0.362	0.010975	-0.0032	-0.00083	0.0022	0.0019009
10	0.331	0.34688	0.3678	0.011921	0.3303	0.34628	0.3673	0.012258	-0.0061	-0.0006	0.0041	0.0026196
30	0.325	0.34493	0.3678	0.013325	0.3183	0.34265	0.3687	0.014315	-0.0103	-0.00228	0.001	0.0038026
50	0.3232	0.34429	0.3682	0.012726	0.3171	0.34455	0.3711	0.015717	-0.0156	0.00026	0.0113	0.007408
100	0.3282	0.34807	0.3682	0.01086	0.3257	0.34799	0.3615	0.011083	-0.0107	-8e-05	0.01	0.0070831

Device Test: 20.4 TSS_33NF(LEVEL|TIMING/SS/5/3.3//10//@TSS_33NF)



Test Results (Lower Limit = 5.5, Upper Limit = 14.5 (ms))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
54	3	HDR unbiased	9.7122	9.7274	0.0152
55	3	HDR unbiased	9.3257	9.3423	0.0166
57	3	HDR unbiased	9.9442	10.002	0.0581
58	3	HDR unbiased	9.6206	9.5387	-0.0819
59	3	HDR unbiased	10.385	10.393	0.0082
82	10	HDR unbiased	9.4723	9.4361	-0.0362
83	10	HDR unbiased	9.769	9.8074	0.0384
84	10	HDR unbiased	9.9902	10.098	0.1077
85	10	HDR unbiased	9.4508	9.4113	-0.0395
87	10	HDR unbiased	9.8528	9.8675	0.0147
94	30	HDR unbiased	10.155	10.167	0.0115
95	30	HDR unbiased	9.8398	9.7491	-0.0907
97	30	HDR unbiased	9.6867	9.6258	-0.0609
98	30	HDR unbiased	10.181	9.8585	-0.322
99	30	HDR unbiased	9.3196	9.3188	-0.0008
105	50	HDR unbiased	9.6136	9.9715	0.3579
107	50	HDR unbiased	9.2191	9.2916	0.0725
108	50	HDR unbiased	10.576	10.67	0.0941
109	50	HDR unbiased	9.8787	10.097	0.2185
110	50	HDR unbiased	9.5888	9.4973	-0.0915
121	100	HDR biased	10.061	10.275	0.2133
123	100	HDR biased	10.251	10.217	-0.0341
124	100	HDR biased	9.826	9.7756	-0.0504
125	100	HDR biased	9.3141	9.2731	-0.041
126	100	HDR biased	10.487	10.368	-0.1195
127	50	HDR biased	9.9516	10.127	0.1752
128	50	HDR biased	10.005	10.011	0.006
129	50	HDR biased	9.4278	9.004	-0.4238
130	50	HDR biased	9.9809	9.995	0.0141
132	50	HDR biased	10.273	10.197	-0.0762
149	100	HDR unbiased	9.8088	9.7168	-0.092
150	100	HDR unbiased	9.7425	10.085	0.3425
151	100	HDR unbiased	9.932	10.066	0.1335
152	100	HDR unbiased	10.181	9.9337	-0.2478
153	100	HDR unbiased	9.9593	10.333	0.3735
164	30	HDR biased	9.2235	9.0445	-0.179
165	30	HDR biased	10.504	10.517	0.0127
166	30	HDR biased	9.6872	9.5704	-0.1168
168	30	HDR biased	10.038	10.04	0.0014
169	30	HDR biased	10.054	10.085	0.0306
170	10	HDR biased	9.67	9.6483	-0.0217
171	10	HDR biased	10.511	10.499	-0.0115
172	10	HDR biased	10.214	10.189	-0.0247
173	10	HDR biased	9.8578	9.6675	-0.1903
174	10	HDR biased	10.306	10.265	-0.0403
175	3	HDR biased	9.8527	9.783	-0.0697
176	3	HDR biased	10.329	10.307	-0.022
178	3	HDR biased	10.021	9.982	-0.0394
179	3	HDR biased	10.046	9.9652	-0.0813
180	3	HDR biased	9.8209	9.7337	-0.0872
187	0	correlation	10.009	9.9945	-0.015
188	0	correlation	9.9167	9.9008	-0.0159
189	0	correlation	10.012	9.9992	-0.0132
190	0	correlation	9.3513	9.3315	-0.0198
191	0	correlation	9.7282	9.7147	-0.0135
192	0	correlation	9.9882	9.9789	-0.0093
193	0	correlation	10.234	10.234	-0.0003

Test Statistics (ms)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	9.3513	9.8915	10.234	0.28114	9.3315	9.879	10.234	0.28599	-0.0198	-0.012429	-0.0003	0.0062133
3	9.3257	9.9058	10.385	0.31774	9.3423	9.8775	10.393	0.32281	-0.0872	-0.02834	0.0581	0.051352
10	9.4508	9.9093	10.511	0.3499	9.4113	9.889	10.499	0.36438	-0.1903	-0.02034	0.1077	0.075333
30	9.2235	9.8689	10.504	0.39873	9.0445	9.7975	10.517	0.4318	-0.322	-0.0714	0.0306	0.11133
50	9.2191	9.8514	10.576	0.40254	9.004	9.8861	10.67	0.48658	-0.4238	0.03468	0.3579	0.21151
100	9.3141	9.9563	10.487	0.32105	9.2731	10.004	10.368	0.34042	-0.2478	0.0478	0.3735	0.20731

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